# **APPENDIX D-3**

# BIOLOGICAL RESOURCES AQUATIC RESOURCES DELINEATION, FOOTHILL, 2017



#### DEPARTMENT OF THE ARMY

U.S. ARMY CORPS OF ENGINEERS, SACRAMENTO DISTRICT 1325 J STREET SACRAMENTO CA 95814-2922

July 7, 2017

Regulatory Division (SPK-2006-00794)

Epick Homes, Inc. Attn: Mr. Pete Giampaoli 901 Bruce Road, Suite 100 Chico, California 95928

Dear Mr. Giampaoli:

We are responding to your June 17, 2016, request for verification of an Aquatic Resource delineation for the Stonegate Property as amended or revised on July 21, 2016, December 5, 2016, February 22, 2017, and May 25, 2017. The approximately 320-acre project site is located on Crouch Creek and the Little Chico-Butte Creek Diversion, Latitude 39.72°, Longitude -121.784°, Chico, Butte County, California.

Based on available information, we concur with your aquatic resources delineation for the site, which consists of approximately 20.19 acres of streams and wetlands as depicted on the enclosed May 25, 2017, drawing titled, "Aquatic Resources Delineation Map." This verification letter does not constitute a determination of jurisdiction (JD). A jurisdictional determination is not required to process an application for a Department of the Army permit. If you do not require a JD for the site, your permit application may be processed sooner. You may request a JD for this site at any time prior to starting work in aquatic resources, including after a permit decision is made. To request a JD for this site, complete the enclosed *Request for Jurisdictional Determination Form* and return it to this office at the address listed below.

Please refer to identification number SPK-2006-00794 in any correspondence concerning this verification (other ID numbers have been assigned through time to portions of this review area and a permit application may be reviewed under one of these ID numbers). If you have any questions, please contact me by email at <code>James.T.Robb@usace.army.mil</code>, or telephone at (916) 557-7610. For program information or to complete our Customer Survey, visit our website at <a href="https://www.spk.usace.army.mil/Missions/Regulatory.aspx">www.spk.usace.army.mil/Missions/Regulatory.aspx</a>.

Sincerely,

Jámes T. Robb Wetlands Specialist

**Enclosures** 

CC:

Mr. David Bise, Foothill Associates, <a href="mailto:dbise@foothill.com">dbise@foothill.com</a> Mr. Jason Brush, USEPA, Brush.Jason@epa.gov

#### REQUEST FOR AQUATIC RESOURCES DELINEATION VERIFICATION

#### **OR JURISDICTIONAL DETERMINATION**

A separate jurisdictional determination (JD) is not necessary to process a permit. An Approved Jurisdictional Determination (AJD) is required to definitively determine the extent of waters of the U.S. and is generally used to disclaim jurisdiction over aquatic resources that are not waters of the U.S., in cases where the review area contains no aquatic resources, and in cases when the recipient wishes to challenge the water of the U.S. determination on appeal. Either an Aquatic Resources Delineation Verification or a Preliminary Jurisdictional Determination (PJD) may be used when the recipient wishes to assume that aquatic resources are waters of the U.S. for the purposes of permitting. In some circumstances an AJD may require more information, a greater level of effort, and more time to produce. If you are unsure which product to request, please speak with your project manager or call the Sacramento District's general information line at (916) 557-5250.

I am requesting the product indicated below from the U.S. Army Corps of Engineers, Sacramento District, for the review area located at:

T		
Street Address: State: Zip: Section: Townshi	City:	County:
State: Zip: Section: Townshi	p: Range:	_
Latitude (decimal degrees): Longitude (decimal degrees)	mal degrees):	<del></del>
The approximate size of the review area for the JD is	_ acres. <b>(Please attach loc</b> a	ation map)
Choose one:	Choose one product:	
I own the review area		quatic Resources Delineation Verification
I hold an easement or development rights over the review are		
I lease the review area	I am requesting a Pre	
I plan to purchase the review area		tional information to inform my decision
I am an agent/consultant acting on behalf of the requestor	about which produc	
Other:	about willon produc	or to request
Reason for request: (check all that apply)		
I need information concerning aquatic resources within the re	view area for planning nurno	242
I intend to construct/develop a project or perform activities in		
resources.	and review area miner weara	be designed to dvoid an addate
I intend to construct/develop a project or perform activities in	his review area which would	be designed to avoid those aquatic
resources determined to be waters of the U.S.		9
I intend to construct/develop a project or perform activities in	his review area which may re	equire authorization from the Corps; this
request is accompanied by my permit application.	Ţ	
I intend to construct/develop a project or perform activities in	a navigable water of the U.S.	which is included on the district's list of
navigable waters under Section 10 of the Rivers and Harbo	rs Act of 1899 and/or is subje	ect to the ebb and flow of the tide.
My lender, insurer, investors, local unit of government, etc. ha	s indicated that an aquatic re	esources delineation verification is
inadequate and is requiring a jurisdictional determination.		
I intend to contest jurisdiction over particular aquatic resource	s and request the Corps con	firm that these aquatic resources are or
are not waters of the U.S.		
I believe that the review area may be comprised entirely of dr	y land.	
Other:		
Attached Information:		
Maps depicting the general location and aquatic resources wi		nt with Map and Drawing Standards for
the South Pacific Division Regulatory Program (Public Notice		
http://www.spd.usace.army.mil/Missions/Regulatory/Public-	Notices-and-References/Arti	icle/651327/updated-map-and-drawing-
standards/)		
Aquatic Resources Delineation Report, if available, consisten	t with the Sacramento Distric	t's Minimum Standards for Acceptance
(Public Notice January 2016, http://1.usa.gov/1V68IYa)		
By signing below, you are indicating that you have the authority		
such authority, to and do hereby grant Corps personnel right of		
affirmation that you possess the requisite property rights for this	request on the subject proper	erty.
*O:	D-4	
*Signature: Comp	Jate:	
Name: Comp	any name:	
Address:		
Telephone: Email:		
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\*Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Program of the U.S. Army Corps of Engineers; Final Rule for 33 CFR Parts 320-332.

Principal Purpose: The information that you provide will be used in evaluating your request to determine whether there are any aquatic resources within the project area subject to federal jurisdiction under the regulatory authorities referenced above.

Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public, and may be made available as part of a public notice as required by federal law. Your name and property location where federal jurisdiction is to be determined will be included in the approved jurisdictional determination (AJD), which will be made available to the public on the District's website and on the Headquarters USACE website.

Disclosure: Submission of requested information is voluntary; however, if information is not provided, the request for an AJD cannot be evaluated nor can an AJD be issued.

# **Aquatic Resources Delineation Report**

Stonegate Property ±320-Acre Site Chico, Butte County, California

# **Prepared for:**

U.S. Army Corps of Engineers

# Contracted by:

Epick Homes, Inc.

June 17, 2016

Revised July 13, 2016

Revised May 25, 2017

Prepared by:



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# Acronyms and Abbreviations

CWA Clean Water Act

Corps U.S. Army Corps of Engineers

FAC Facultative plants

FACU Facultative upland plants
FACW Facultative wetland plants
GIS Geographic Information System
GPS Global Positioning System

MCV A Manual of California Vegetation

MSL mean sea level

NAD North American Datum

NRCS Natural Resource Conservation Service

NWI National Wetland Inventory
NWPL National Wetland Plant Inventory

OBL Obligate wetland plants
OHWM Ordinary High Water Mark
PEM palustrine emergent
PFO palustrine forested
PSS palustrine scrub-shrub

RWQCB Regional Water Quality Control Board

ROW right-of-way
SR State Route
UPL upland

U.S. United States

USDA U.S. Department of Agriculture USFWS U.S. Fish and Wildlife Service

USGS U.S. Geological Survey

UTM Universal Transverse Mercator coordinate system

WRIA Water Resource Inventory Area

# **Executive Summary**

This report presents the results of a delineation of the aquatic resources conducted within the approximate 320-acre Stonegate Property (Site), located in the City of Chico, Butte County, California. Aquatic resources were identified and delineated following the technical guidelines provided in the *Corps of Engineers Wetlands Delineation Manual* (Corps Manual) (Environmental Laboratory 1987) and the U.S. Army Corps of Engineers (Corps) *Arid West Regional Supplement* (Supplement) (Corps 2008). The Supplement presents wetland indicators, delineation guidance, and other information that is specific to the Arid West Region. The jurisdictional boundaries for other waters of the U.S. were identified based on the presence of an ordinary high water mark (OHWM), as defined in 33 C.F.R. 328.3(e).

A total of 20.19 acres of potential waters of the United States and non-jurisdictional waters occur within the Site. Potentially jurisdictional waters include: 4.02 acres of depressional seasonal wetland, 1.24 acres of depressional perennial marsh, 3.83 acres of vernal pool, 4.74 acres of riverine seasonal wetland, 0.30 acres of ephemeral drainage, 0.48 acres of intermittent drainage, 5.12 acres of perennial drainage, 0.39 acre of ditch/canal, and 0.07 acre of excavated pit.

## 1.0 INTRODUCTION

The purpose of this report is to present the results of a formal delineation of jurisdictional waters of the United States (U.S.), including wetlands, on the ±320-acre Stonegate Property, located within the City of Chico, Butte County, California (Figure 1). This report was prepared in accordance with the *Minimum Standards for Acceptance of Aquatic Resources Delineation Reports* (Corps 2016) and presents the results of Foothill Associates' review of available literature, aerial photographs, soil surveys (Figure 2), and fieldwork within the Site. The delineation methodology is described in this report, followed by the results of the delineation. Contact information and directions to the Site are provided in **Appendix A**. Site access notification information is provided in **Appendix B**. Details regarding soils, topography, hydrology, and vegetation are summarized herein and routine wetland determination data forms are provided in **Appendix C**. A detailed delineation map that illustrates potential waters of the U.S. within the Site is included in **Figure 3**.

## 2.0 REGULATORY BACKGROUND

The Corps regulates discharge of dredged or fill material into waters of the United States under Section 404 of the Clean Water Act (CWA). "Discharges of fill material" is defined as the addition of fill material into waters of the U.S., including, but not limited to the following: placement of fill that is necessary for the construction of any structure, or impoundment requiring rock, sand, dirt, or other material for its construction; site-development fills for recreational, industrial, commercial, residential, and other uses; causeways or road fills; fill for intake and outfall pipes; and subaqueous utility lines [33 C.F.R. §328.2(f)].

Section 401 of the CWA (33 U.S.C. 1341) requires any applicant for a Federal license or permit to conduct any activity that may result in a discharge of a pollutant into waters of the United States to obtain a certification that the discharge will comply with the applicable effluent limitations and water quality standards.

Section 404 of the CWA requires approval prior to discharging dredged or fill material into the waters of the United States. Typical activities requiring Section 404 permits are:

- Depositing of fill or dredged material in waters of the U.S. or adjacent wetlands;
- Site development fill for residential, commercial, or recreational developments;
- Construction of revetments, groins, breakwaters, levees, dams, dikes, and weirs; and
- Placement of riprap and road fills.

Section 10 of the Rivers and Harbors Act of 1899 requires approval prior to the accomplishment of any work in or over navigable waters of the United States, or which affects the course, location, condition, or capacity of such waters. Typical activities requiring Section 10 permits are:

- Construction of piers, wharves, bulkheads, dolphins, marinas, ramps, floats intake structures, and cable or pipeline crossings; and
- Dredging and excavation.

Any person, firm, or agency (including Federal, state, and local government agencies) planning to work in navigable waters of the United States, or dump or place dredged or fill material in waters of the United States, must first obtain a permit from the Corps. Permits, licenses, variances, or similar authorization may also be required by other federal, State, and local statutes.

## 2.1. Waters of the United States

Waters of the United States were defined in a Federal Rule published on June 29, 2015 and which went into effect on August 28, 2015. The term "waters of the United States" includes (a) traditional navigable waters, (b) interstate waters, (c) territorial seas, (d) impoundments of jurisdictional waters, and (e) their tributaries. Tributaries must have a bed and bank and

ordinary high water mark and may have ephemeral, intermittent, or perennial flow. Additionally, the rule defines "adjacent waters" as jurisdictional due to their significant nexus with a jurisdictional water in class (a) through (e). Adjacent waters include any waters located in whole or part within 100 feet of a jurisdictional water in class (a) through (e); any waters located within the 100-year floodplain and within 1,500 feet of a jurisdictional water in class (a) through (e); and any waters within 1,500 feet (f) the ordinary high water mark of a traditionally navigable water, territorial sea, or the Great Lakes. Five classes of waters, prairie potholes, Carolina bays and Delmarva bays, pocosins, western vernal pools, and Texas coastal prairie wetlands, were determined to be jurisdictional due to their nexus with jurisdictional waters when considered in combination with similarly situated waters. Other waters not previously defined as jurisdictional that are located within the 100-year floodplain of a traditionally navigable water, interstate water, or territorial sea or are within 4,000 feet of the ordinary high water mark of a jurisdictional water in class (a) through (e) are evaluated on a case-specific basis.

The rule specifically exempts the following types of features from Federal jurisdiction: waste treatment systems, including ponds or lagoons designed to meet the requirements of the Clean Water Act, prior converted cropland, ditches with ephemeral or intermittent flow that are not a relocated tributary, excavated in a tributary, or drain wetlands, ditches that do not flow directly or indirectly into a jurisdictional water, artificially irrigated areas that would revert to dry land should irrigation cease, artificial constructed lakes, ponds, reflecting pools, or swimming pools constructed in uplands, water filled depressions created in uplands incidental to mining or construction activity, erosional features, puddles, and stormwater control features and wastewater recycling structures constructed in uplands [33 C.F.R. § 328.3].

The new rule was challenged in court and on October 9, 2015 the U.S. Court of Appeals for the Sixth Circuit stayed the new rule nationwide. Until a final ruling is made, the Corps will continue to operate pursuant to the Supreme Court's decision in the consolidated cases Rapanos v. United States and Carabell v. United States (126 S. Ct. 2208) and agency guidance subsequent to this decision. Under these rules, the Corps will assert jurisdiction over wetlands adjacent to traditional navigable waters, relatively permanent non-navigable tributaries (i.e., waters that have a continuous flow at least three months out of the year), and wetlands that abut relatively permanent tributaries. The Corps will determine jurisdiction over waters that are non-navigable tributaries that are not relatively permanent, and wetlands adjacent to these tributaries, by making a determination whether such waters "significantly affect the chemical, physical, and biological integrity of other jurisdictional waters more readily understood as "navigable." Finally, the Corps generally does not consider the following to be "waters of the United States": swales or erosional features (e.g., gullies, small washes characterized by low volume, infrequent or short duration flow) and ditches "wholly in and draining only uplands...which do not carry a relatively permanent flow of water." Navigable waters of the United States are defined as waters that have been used in the past, are now used, or are susceptible to use as a means to transport interstate or foreign commerce up to the head of navigation.

Section 10 and/or Section 404 permits are required for construction activities in these waters. Boundaries between jurisdictional waters and uplands are determined in a variety of ways depending on which type of water is present. Methods for delineating wetlands and non-tidal waters are described below.

Wetlands are defined as "those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" [33 C.F.R. §328.3(b)]. Presently, to be a wetland, a site must exhibit positive indicators of three wetland criteria: hydrophytic vegetation, hydric soils, and wetland hydrology existing under the "normal circumstances" for the site.

The lateral regulatory extent of non-tidal waters is determined by delineating the ordinary high water mark (OHWM) [33 C.F.R. §328.4(c)(1)]. The OHWM is defined by the Corps as "that line on shore established by the fluctuations of water and indicated by physical character of the soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas" [33 C.F.R. §328.3(e)].

## 3.0 METHODS

# 3.1. Site-Specific References

Available information pertaining to the natural resources of the region was reviewed. All references reviewed for this delineation are listed in **Section 6.0**. Pertinent site-specific reports and general references utilized for the delineation include the following:

- Baldwin. G., D. Goldman, D. Keil, R. Patterson, and T.J. Rosatti. 2012. The Jepson Manual, 2<sup>nd</sup> Edition. Vascular Plants of California. ISBN: 9780520253124. January 12, 2013;
- Environmental Laboratory. 1987. *Corps of Engineers Wetlands Delineation Manual*. U.S. Army Corps of Engineers Waterways Experiment Station. Vicksburg, MS;
- GretagMacbeth. 2000. Munsell Soil Color Charts. New Windsor, NY;
- Lichvar, R.W., D.L. Banks, W.N. Kirchner, and N.C. Melvin. 2016. *The National Wetland Plant List: 2016 Wetland Ratings*. Phytoneuron 2016-30: 1-17. Published 28 April 2016. ISSN 2153 733X;
- U.S. Army Corps of Engineers (Corps). 2008. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0). September 2008;
- U.S. Department of Agriculture (USDA), Natural Resource Conservation Service (NRCS).
   2006. Soil Survey of Butte Area, California, Parts of Butte and Plumas Counties. U.S.
   Department of Agriculture;
- USDA, NRCS. 2010. Field Indicators of Hydric Soils in the United States, Version 7. G.W. Hurt, P.M. Whited, and R.F. Pringle (Eds). USDA, NRCS in cooperation with the National Committee for Hydric Soils. Fort Worth, TX;
- USDA, NRCS. 2016a. Web Soil Survey. Available online at: <a href="http://websoilsurvey.sc.egov.usda.gov/App/HomePage.html">http://websoilsurvey.sc.egov.usda.gov/App/HomePage.html</a>. Accessed [04/28/2016];
- USDA, NRCS. 2016b. National Hydric Soils List by State. Available online at: <a href="http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/use/hydric/">http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/use/hydric/</a>. Last updated December 2015. Accessed [04/28/2016]; and
- U.S. Geological Survey (USGS). 1950. *Chico, California*. 7.5 -minute series topographic quadrangle. U.S. Department of the Interior.

# 3.2. Research and Field Methodology

This delineation utilized the Corps' 1987 three-parameter (vegetation, hydrology, and soils) methodology to delineate aquatic resources. The Supplement was also used in conjunction with the Corps Manual for applications in the Arid West Region. Where differences in the two documents occur, the Supplement takes precedence over the Corps Manual.

The Arid West Region consists of all or significant portions of 11 states, including California (Corps 2008). This region is differentiated from other surrounding areas by having a predominantly dry climate and long summer dry season. Vegetation characteristics of the Arid West Region include little to no forest cover consisting of mainly annual grasslands, shrublands, hardwood savannas, deciduous woodlands, and pinyon/juniper woodlands. The Arid West Supplement was used on this Site because it is located in the *Mediterranean California* Land Resource Region (LRR C), which is characterized by warm, wet winters and dry summers.

The three-parameter methodology requires the collection of data on soils, vegetation, and hydrology at several locations to establish the jurisdictional boundary of wetlands. Additional methods to identify and delineate other waters of the U.S. (e.g., streams, drainages, lakes) were used as applicable. The method typically used for delineation of non-wetland waters of the U.S. is the delineation of the OHWM. The OHWM was mapped as the top of bank.

A review of historic and recent aerial photographs, topographic maps, and soil survey data was conducted before delineating the Site on February 15, and 23, 2016, March 3, 17, 18, and 30, 2016, April 30, 2016, May 3, 2016 and March 28 and April 21, 2017. The weather during the Site visits ranged from sunny with clear skies to heavy rain. Biologists visually inspected the entire Site and collected representative data at points within potential wetland areas and corresponding uplands. The location of each data point is depicted in **Figure 3** and corresponding routine wetland determination data forms are provided in **Appendix C**.

Correlations were developed between the three parameters (vegetation, hydrology, and soils) to make wetland determinations. Specifically, plots at data point locations were evaluated to determine the composition and identification of dominant plant species. The indicator status of all dominant plant species [as determined by the U.S. Fish and Wildlife Service National List of Plant Species that Occur in Wetlands: 1988 California (Region 0)] was applied and evaluated as part of the vegetation assessment portion of the wetland determination process. The plant indicator status includes the following categories:

Obligate wetland plants (OBL): Occur almost always under natural wetland conditions

(estimated probability > 99%).

Facultative wetland plants (FACW): Usually occur in wetlands, but occasionally found in non-

wetlands (67-99%).

Facultative plants (FAC): Equally likely to occur in wetlands and non-wetlands (34-

66%).

Facultative upland plants (FACU): Usually occur in non-wetlands, but occasionally found in

wetlands (1-33%).

Upland (UPL): Occur almost always under natural conditions in non-

wetlands (>99%); may occur in wetlands in other regions.

The absolute cover was estimated for each vegetation stratum; these strata include tree, sapling/shrub, herb, and woody vine. Species that are dominant in more than one stratum were counted multiple times. Some wetland plant communities may fail a test based only on dominant species. Where indicators of hydric soils and hydrology are present and vegetation is not dominated by hydrophytes, the vegetation was re-evaluated with the prevalence index, which takes into consideration all plant species in the community, not just the subset of dominant species.

The onsite soils were examined for hydric indicators. Hydric soil indicators are described in the *Field Indicators of Hydric Soils in the U.S.*, Version 6.0 (USDA, NRCS 2006). If one or more of these indicators are present, then the soil is hydric. Nearly all hydric soils exhibit characteristic morphologies that are caused by anaerobic, reduced soil conditions due to prolonged soil saturation. The most commonly observed indicators are related to iron (Fe) and manganese (Mn) redox concentrations or depletions. Less commonly observed indicators include gleyed matrix and black histic (low amounts of Fn-Mn and accumulations of organic carbon).

Observations were made and recorded for both primary and secondary wetland hydrology indicators, if present. Without monitoring or direct observation of inundation/saturation, indirect indicators of wetland hydrology are typically used and include primary indicators such as water marks, drift lines, and sediment deposits, or secondary indicators such as crayfish burrows or the FAC-neutral test. The Site was visited during the wet season, so saturation and inundation were the most commonly observed hydrologic indicators.

# 3.3. GPS Data Integration

Boundaries of wetlands and other waters of the U.S. within the Site were surveyed and mapped with a Trimble GeoXT Global Positioning System (GPS) hand-held unit. This is a mapping-grade GPS unit capable of real-time differential correction and sub-meter accuracy. The GPS data were downloaded from the unit and differentially corrected utilizing Trimble Pathfinder Office software and appropriate base station data, and then converted to ESRI® shape file format. Data are typically exported to the Geographic Information System (GIS) software in the State Plane coordinate system (NAD 83) with units as "survey feet." Within the GIS, data are edited and linear features are built into polygons using recorded width information. All wetland shape files are merged to create a single wetland file with calculated acreages. These results are presented in **Figure 3**.

## 4.0 RESULTS

#### 4.1. Site Location and Land Use

#### 4.1.1. Site Location

The ±320-acre Site is located in eastern Butte County approximately 0.64 miles east of California State Route 99. The Site is bordered by Skyway Avenue to the southeast, a vacant parcel comprised of non-native annual grassland to the southwest, residential development to the west, East 20<sup>th</sup> Street to the northwest, Doe Mill Road to the northeast, and a paved bike path to the east. The Site is located within portions of Sections 31 and 32 of Township 22 North and Range 2 East on the USGS *Chico, California* 7.5-minute quadrangle map. The approximate location of the Site is 39° 43′ 12.325″ North, 121° 47′ 1.669″ West (**Figure 1**).

#### 4.1.2. Land Use

The majority of the Site is comprised of non-native annual grassland. The Site does not appear to have been grazed in over ten years. Local land uses surrounding the Site include commercial development to the south, residential development to the north and west, and non-native annual grassland to the east beyond the paved bike path.

## 4.1.3. Site History

The soils within the Site appear to support wetlands based on a review of the August 1998 aerial photography (GoogleEarth 2016).

## 4.2. Physical Features

#### 4.2.1. Soils

The Natural Resource Conservation Service (NRCS) has identified and mapped five soils occurring within the Site (Figure 2): Clearhayes-Hamslough Complex, 0 to 2 Percent Slopes, Doemill-Jokerst Complex, 3 to 8 Percent Slopes, Redsluff Gravelly Loam, 0 to 2 Percent Slopes, Redtough-Redswale Complex, 0 to 2 Percent Slopes, and WaFap-Hamslough Complex, 0 to 2 Percent Slopes. The general characteristics and properties associated with these soils are described below (USDA, NRCS, 2016a).

- **(675)** Clearhayes-Hamslough Complex, 0 to 2 Percent Slopes: This soil unit is a sandy and gravelly clay loam found on toeslopes and treads on strath terraces. The parent material for this soil unit is fine-loamy alluvium derived from volcanic rock over gravelly alluvium derived from andesite. This soil unit is somewhat poorly drained with a high runoff class. The hydric soils list for the Butte County area identifies the Hamslough, clay, Anita, gravelly duripan, and unnamed, frequent long ponding soil components of this soil type as being hydric within strath terraces (USDA, NRCS, 2016b).
- **(615) Doemill-Jokerst Complex, 3 to 8 Percent Slopes**: This soil unit is a gravely loam somewhat poorly drained with a very high runoff class formed in residuum from volcanic mudflow breccia. The soil unit is found on mounds or convex areas on ridgetops

and side slopes, and experiences frequent long ponding. The vegetation in uncultivated areas consists of annual grasses and forbs. The hydric soils list for Butte County area identifies unnamed, frequent long ponding soil component of this soil type as being hydric within ridges (USDA, NRCS, 2016b).

- (300) Redsluff Gravelly Loam, 0 to 2 Percent Slopes: This soil unit occurs on low terraces on the eastside of the northern Sacramento Valley at elevations between 175 to 400 feet above mean sea level (MSL). The Redsluff gravelly loam is a moderately drained soil derived for various rock sources. Water permeability is moderately slow and available water capacity is moderate. The hydric soils list for the Butte County area identifies the Anita, gravelly duripan component of this soil type as being hydric within fan terraces (USDA, NRCS, 2016b).
- (302) Redtough-Redswale Complex, 0 to 2 Percent Slopes: This soil unit consists of somewhat poorly drained loamy alluvium over cemented cobbly and gravelly alluvium derived from volcanic rock. This soil unit has a high runoff class and is usually found on fan terraces. Frequent long ponding occurs within this soil unit. The hydric soils list for the Butte County area identifies the Anita, gravelly duripan and unnamed, frequent long ponding soil components of this soil type as being hydric within fan terraces (USDA, NRCS, 2016b).
- (301) WaFap-Hamslough Complex, 0 to 2 Percent Slopes: This soil complex is located on low stream terraces on the eastside of Sacramento Valley at elevations between 150 and 440 feet above MSL. This soil complex was derived from alluvium that developed from volcanic rock. Water permeability is unknown and available water capacity is low. This is a somewhat poorly drained soil complex. The hydric soils list for the Butte County area identifies the Hamslough, clay, Anita, gravelly duripan, and unnamed, frequent long ponding soil components of this soil type as being hydric within fan and stream terraces (USDA, NRCS, 2016b).

### 4.2.2. Topography

The Site is comprised of gently rolling hills and flat areas. Slopes are dominantly convex and incised by many shallow drainageways and depressions. The slopes throughout the Site range from approximately less than one percent to six percent.

#### 4.2.3. Regional Hydrology

The Site occurs within the Lower Butte Watershed. The Site occurs within Hydrologic Unit Code (HUC): 18020105.

### 4.2.4. Site-Specific Hydrology

Depressional seasonal wetland, depressional perennial marsh, vernal pool, riverine seasonal wetland, ephemeral drainage, intermittent drainage, perennial drainage, ditch/canal, and excavated pit occur within the Site (**Figure 3**). Diagnostic characteristics of the features mapped on the Site are defined and discussed in **Section 4.4**. The depressional seasonal wetlands, vernal

pools, and depressional perennial marsh are predominantly re-charged by precipitation as well as the natural sheeting effect of rainfall conveyed by surrounding upland topography.

A riverine seasonal wetland flows north to southwest through the Site, is culverted beneath Bruce Road, continues southwest, then exits the Site. The feature continues southwest to commercial development, where it has been channelized. Water flows north to south through the Site through a perennial drainage known as the Little Chico Butte Creek Diversion Channel. Little Chico Butte Creek Diversion Channel is tributary to Butte Creek. Butte Creek is tributary to the Sacramento River. Annual average precipitation is approximately 26 inches and primarily falls between October through April, with the largest amount of rain per month occurring in January (U.S. Climate Data 2016).

## 4.3. Vegetation

California annual grassland alliance and disturbed areas are the terrestrial vegetation communities present within the Site. Aquatic vegetation assemblages are discussed further in **Section 4.4**. A list of all plants observed within the Site is included in **Appendix D**.

#### 4.3.1. California Annual Grassland

California annual grassland consists of a myriad of native and non-native annual plant species and occurs in a majority of the State of California at elevations from sea level to approximately 4,000 feet above MSL. Composition of this vegetation community varies depending on distribution, geographic location, and land use. Dominant vegetation present within the California annual grassland within the Site includes: soft brome (*Bromus hordeaceus*), oat (*Avena* sp.), mouse-tail grass (*Vulpia myuros*), medusahead (*Elymus caput-medusae*), longbeaked filaree (*Erodium botrys*), barley (*Hordeum murinum*), and royal larkspur (*Delphinium variegatum* ssp. *variegatum*).

#### 4.3.2. Disturbed

Disturbed areas occur within the Site and are comprised of graded fire and levee roads. Minimal vegetation occurs within the disturbed/developed areas includes: medusahead, barley, and soft brome.

## 4.4. Classification of Aquatic Resources

As previously discussed, aquatic resources are classified into multiple types based on topography, edaphics (soils), vegetation, and hydrologic regime. Primarily, the Corps establishes two distinctions: wetland and non-wetland waters, which are commonly referred to as other waters.

Wetland types delineated within the Site include: depressional seasonal wetland, depressional perennial marsh, vernal pool, and riverine seasonal wetland. Other aquatic resources delineated within the Site include: ephemeral drainage, intermittent drainage, perennial drainage, ditch/canal, and excavated pit. A description of all of the features delineated within the Site is provided in the following sections. Wetland data sheets are included in **Appendix C**. Representative photographs of aquatic features are included in **Appendix E**.

A number of upland swales cross the Site. While some of these features contain wetlands within portions of the swales, the remainder of the features are not included on the aquatic resources delineation map because they neither exhibit an ordinary high water mark nor meet wetland criteria. These features are located at data points 13B, 14B, and 15B on **Figure 3** and in **Appendix C**, but are not further discussed in this report.

#### 4.4.1. Depressional Seasonal Wetland

A total of **4.02 acres** of depressional seasonal wetlands has been delineated within the Site. Depressional seasonal wetlands exhibit a hydrologic regime dominated by saturation, rather than inundation. Depressional seasonal wetlands within the Site occur as depressions within the topography with a hydrologic regime dominated by saturation and capable of supporting hydrophytic plant species and hydric soils. Dominant vegetation within the depressional seasonal wetlands includes: spikerush, ryegrass (*Festuca perennis*), rattail sixweeks grass (*Festuca myuros*), rabbitfoot grass (*Polypogon monspeliensis*), and Mediterranean barley (*Hordeum marinum* ssp. *gussoneanum*).

## 4.4.2. Depressional Perennial Marsh

A total of **1.24 acres** of depressional perennial marsh has been delineated within the Site. Depressional perennial marshes can occur as the result of natural and/or artificial water flows associated with agricultural or residential water uses. Depressional perennial marshes are dominated by inundation. Typically, depressional perennial marshes remain inundated or saturated throughout the year. The persistence of inundation/saturation throughout the year permits the growth of warm-season wetland grasses and perennial herbaceous plant species. Within the Great Central Valley, depressional perennial marshes typically occur in association with the lowland terminus of local riverine watersheds or as the result of artificial excavation activities in low lying areas exhibiting historic hydric soils conditions, often resulting in artificially created impoundments, such as ponds or reservoirs. Dominant vegetation within the depressional perennial marsh includes: curly dock (*Rumex crispus*), Himalayan blackberry (*Rubus armeniacus*), narrow leaf cattail (*Typha angustifolia*), common rush (*Juncus effusus*), nut-sedge (*Cyperus* sp.), and spikerush (*Eleocharis macrostachya*).

#### 4.4.3. Vernal Pool

A total of **3.83 acres** of vernal pools has been delineated within the Site. Vernal pools are shallow, seasonally inundated depressional wetlands that form in soils with a subsurface layer that restricts the downward flow of water. The vernal pools within the Site are northern hardpan vernal pools. Northern hardpan vernal pools occur within depressions on cemented soils such as the Corning, Red Bluff, Redding, and San Joaquin soil series within and around the Great Central Valley. Dominant vegetation within the vernal pools includes: coyote thistle (*Eryngium vaseyi*), spikerush, hedge-hyssop (*Gratiola ebracteata*), annual hairgrass (*Deschampsia danthonioides*), and woolly marbles (*Psilocarphus brevissimus*).

#### 4.4.4. Riverine Seasonal Wetland

A total of **4.74** acres of riverine seasonal wetlands has been delineated within the Site over approximately 24,247 linear feet. Riverine seasonal wetlands are defined by a hydrologic regime dominated by unidirectional flow of water. Riverine seasonal wetlands typically occur in topographic folds or swales and represent natural drainages that convey sufficient water to support wetland vegetation. Riverine seasonal wetlands typically convey water during and shortly after storm events. Dominant vegetation within the riverine seasonal wetlands includes: ryegrass, spikerush, and Mediterranean barley.

## 4.4.5. Ephemeral Drainage

A total of **0.30** acre of ephemeral drainage has been delineated within the Site over approximately 1,164 linear feet. Ephemeral drainages are features that do not meet the three-parameter criteria for vegetation, hydrology and soils, but do convey water and exhibit an "ordinary high water mark." Ephemeral drainages are primarily fed by stormwater runoff. These features convey flows during and immediately after storm events but may stop flowing or begin to dry if the interval between storm events is long enough. Typically, these features exhibit a defined bed and bank and often show signs of scouring as a result of rapid flow events. Within ephemeral drainages, topographic depressions in the bed of the feature may exhibit vegetation patterns commonly associated with vernal pools or depressional seasonal wetlands. Often these features are lightly vegetated due to seasonal rapid-flow events resulting in a scoured channel, bed and bank. Dominant vegetation within the bed and along the banks of the ephemeral drainages include upland species including common vetch, filaree, slender oat, wild oat, medusa head, and soft chess.

#### 4.4.6. Intermittent Drainage

A total of **0.48 acre** of intermittent drainage has been delineated within the Site over approximately 1,776 linear feet. Intermittent drainages, as in ephemeral drainages, are features that do not meet the three-parameter criteria for vegetation, hydrology, and soils but do convey water and exhibit an "ordinary high water mark." Water flows within intermittent drainages are fed primarily by a seasonally perched groundwater table and supplemented by precipitation and stormwater runoff. After the initial onset of rains these features have persistent flows throughout and past the end of the rainy season. Typically, these features exhibit a defined bed and bank and show signs of scouring as a result of rapid flow events. The bed of intermittent drainages consists of cobble often interrupted with bedrock. Water was present during the field delineations. Dominant vegetation along the banks of the intermittent drainages includes blue oak (*Quercus douglasii*), valley oak (*Quercus lobata*), American wild mint (*Mentha arvensis*), common rush, ryegrass, wild oat, medusa head, and soft chess.

#### 4.4.7. Perennial Drainage

A total of **5.12 acres** of perennial drainage (Little Chico Butte Creek Diversion Channel) has been delineated within the Site over approximately 6,212 linear feet. Perennial drainages are features that may not meet the three-parameter criteria for vegetation, hydrology, and soils but do convey water and exhibit an "ordinary high water mark." Perennial drainages generally

convey unidirectional water flows throughout the entire year. Perennial drainages typically consist of a channel, bed, and bank and are devoid of vegetation due to the scouring effect of flowing water. Perennial drainages are often bordered by wetland vegetation communities of various composition and cover depending on flow rates, duration of flows, and soil types. Water was observed flowing during the field delineations. Dominant vegetation observed along the banks of the perennial drainage includes ryegrass, arroyo willow (*Salix lasiolepis*), narrow leaf cattail, rabbitfoot grass, soft chess, and ripgut brome.

#### 4.4.8. Ditch/Canal

A total of **0.39** acre of ditch/canal has been delineated within the Site over 2,332 linear feet. The ditches/canals contained water at the time of the field delineations. Dominant vegetation along the banks of the ditches/canals are comprised of upland vegetation including soft chess, ripgut brome, and medusa head.

#### 4.4.9. Excavated Pit

A total **0.07** acre of excavated pit has been delineated within the Site. The pits were excavated to obtain information on soils within the Site. The excavated pits contained water at the time of the field delineations and lacked vegetation.

## 5.0 CONCLUSIONS

The aquatic features mapped within the Site include: depressional seasonal wetland, depressional perennial marsh, vernal pool, riverine seasonal wetland, ephemeral drainage, intermittent drainage, perennial drainage, ditch/canal, and excavated pit.

The ditch/canal within the western portion of the Site was constructed in uplands and drains only uplands and is, therefore, not likely regulated by the Corps. The excavated pits were wholly excavated in uplands and are supplied by surface runoff and direct precipitation events, and therefore, are not jurisdictional features. However, the Corps' determination of jurisdiction is on a case-by-case basis and will be determined during the verification process. Areas deemed jurisdictional will then be subject to the regulatory requirements of the Federal Clean Water Act including permitting and mitigation, as required.

**Table 1** summarizes the acreage per class of aquatic feature found within the Site. Detailed information on each feature is included in **Appendix F**.

Table 1 — Aquatic Features by Resource Classification and Size

Aquatic Resource Type	Aquatic Resources Classification	Aquatic Resource Size (acres)	Aquatic Resource Size (linear feet)
Depressional Seasonal Wetland	PEM2B	4.02	
Depressional Perennial Marsh	PEM1F	1.24	
Vernal Pool	PEM2C	3.83	
Riverine Seasonal Wetland	PEM2B	4.74	24,247
Ephemeral Drainage	R4SB	0.30	1,164
Intermittent Drainage	R4SB	0.48	1,776
Perennial Drainage	R2UB	5.12	6,212
Ditch/Canal	R4SB5	0.39	2,332
Excavated Pit	POW	0.07	
Total		20.19	35,731

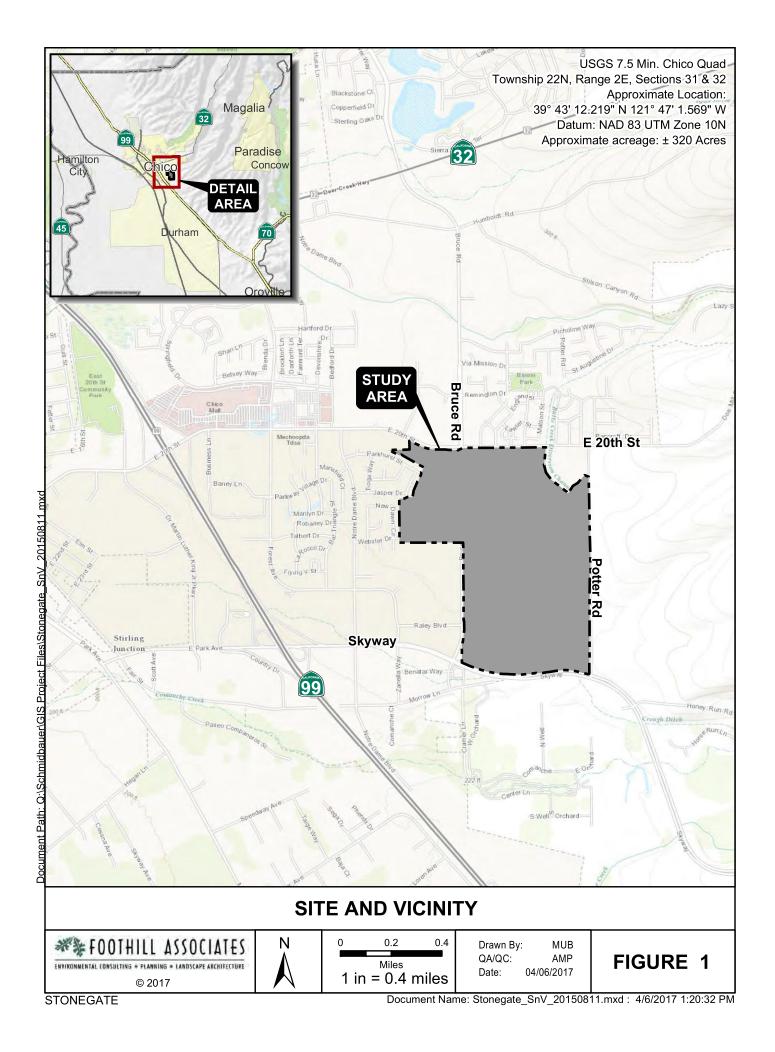
## 6.0 REFERENCES

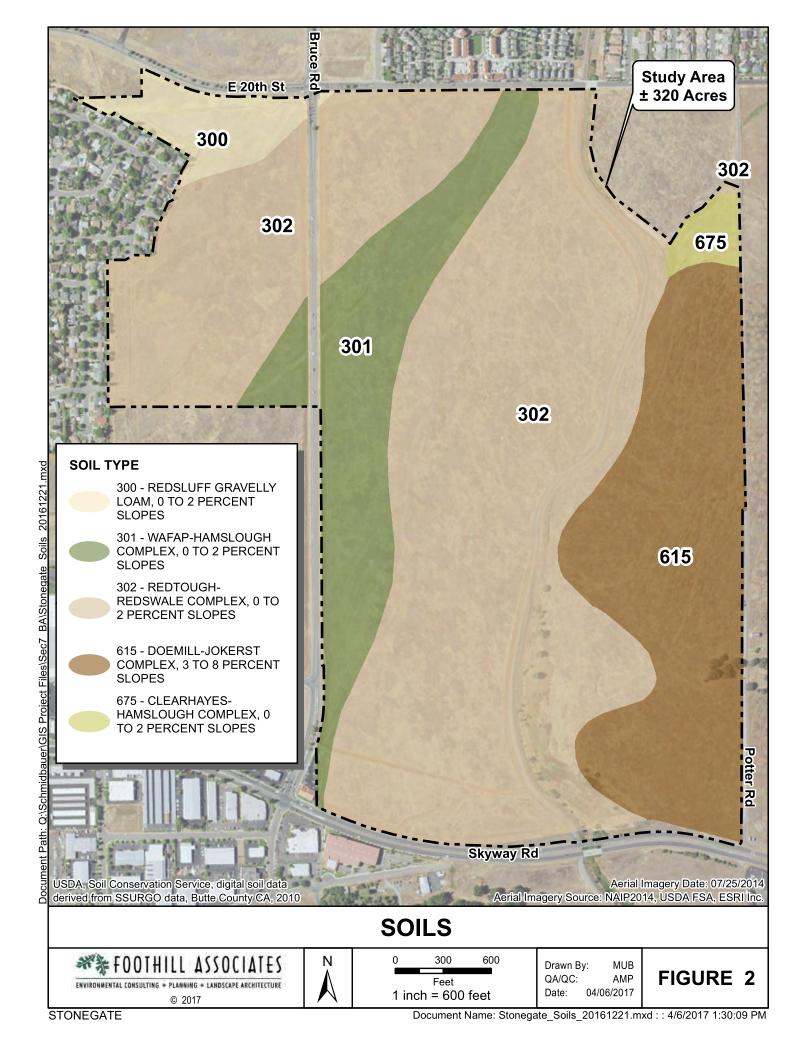
- Baldwin. G., D. Goldman, D. Keil, R. Patterson, and T.J. Rosatti. 2012. *The Jepson Manual, 2<sup>nd</sup> Edition. Vascular Plants of California*. ISBN: 9780520253124. January 12, 2013. 1,600 pp.
- Environmental Laboratory. 1987. *Corps of Engineers Wetlands Delineation Manual*. Vicksburg, MS: U.S. Army Corps of Engineers Waterways Experiment Station.
- GoogleEarth. 2016. Aerial photographs ranging from 1993 2016.
- Gregtag Macbeth. 2000. Munsell Soil Color Charts. New Windsor, NY.
- Hitchcock, A. 1935. *Manual of the Grasses of the United States*. Washington, D.C.: United States Government Printing Office.
- Lichvar, Robert W. and Shawn McColley. 2008. A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States. Vicksburg, MS: U.S. Army Corps of Engineers Research and Development Center.
- Lichvar, R.W., D.L. Banks, W.N. Kirchner, and N.C. Melvin. 2016. *The National Wetland Plant List: 2016 wetland ratings*. Phytoneuron 2016-30: 1-17. Published 28 April 2016. ISSN 2153 733X.
- Mason, H. 1957. *A Flora of the Marshes of California*. Berkeley, CA: University of California Press.
- Munz, P. 1968. A California Flora and Supplement. Berkeley, CA: University of California Press.
- National Research Council. 1995. *Wetlands: Characteristics and Boundaries*. Washington, D.C.: National Academy Press.
- Reed, P. 1988. *National List of Plant Species That Occur in Wetlands: California (Regional O)*. St. Petersburg, FL: U.S. Fish and Wildlife Service.
- Sawyer, J., & Keeler-Wolf, T. 1995. *A Manual of California Vegetation*. Sacramento, CA: California Native Plant Society.
- U.S. Army Corps of Engineers (Corps). 2005. *Technical Standard for Water-Table Monitoring of Potential Wetland Sites. Wetlands Regulatory Assistance Program (ERDC TN-WRAP-05-02)*. Retrieved from http://el.erdc.usace.army.mil/wrap/pdf/tnwrap05-2.pdf.
- Corps. 2008. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0). September 2008.
- Corps. 2016. *Minimum Standards for Acceptance of Aquatic Resources Delineation Reports*. January 2016. Available online at:

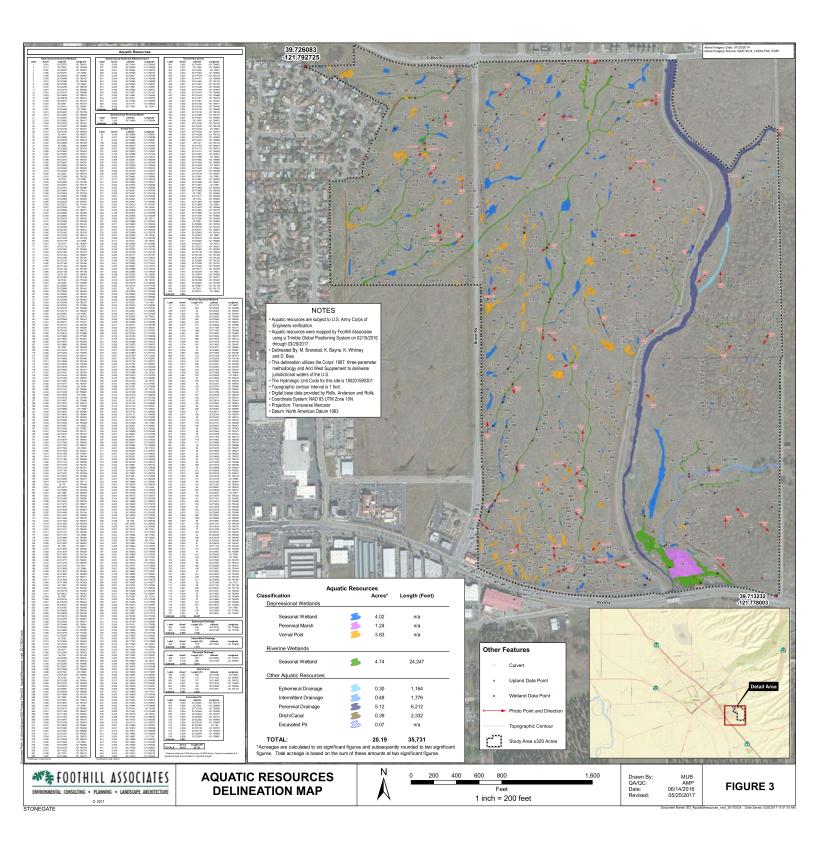
- http://www.spk.usace.army.mil/Portals/12/documents/regulatory/jd/minimum-standards/Minimum Standards for Delineation with Template-final.pdf.
- U.S. Climate Data. 2016. U.S. Climate Data. Version 2.2. Available online at:

  <a href="http://www.usclimatedata.com/climate/willows/california/united-states/usca1244">http://www.usclimatedata.com/climate/willows/california/united-states/usca1244</a>.

  Accessed [04/28/2016].
- U.S. Department of Agriculture (USDA), Natural Resource Conservation Service (NRCS). 2006. Soil Survey of Butte Area, California, Parts of Butte and Plumas Counties. U.S. Department of Agriculture.
- USDA, NRCS. 2010. Field Indicators of Hydric Soils in the United States, Version 7. G.W. Hurt, P.M. Whited, and R.F. Pringle (Eds). USDA, NRCS in cooperation with the National Committee for Hydric Soils. Fort Worth, TX.
- USDA, NRCS. 2016a. Web Soil Survey. Available online at: <a href="http://websoilsurvey.sc.egov.usda.gov/App/HomePage.html">http://websoilsurvey.sc.egov.usda.gov/App/HomePage.html</a>. Accessed [04/28/2016].
- USDA, NRCS. 2016b. *National Hydric Soils List by State*. Available online at: <a href="http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/use/hydric/">http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/use/hydric/</a>. Last updated December 2015. Accessed [04/28/2016].







# **Appendix A** — Contact Information and Directions

Client Contact Information: Pete Giampaoli

Epick Homes, Inc.

901 Bruce Road, Suite 100

Chico, CA 95928

Phone Number: (530) 891-4757 Email: <a href="mailto:pete@epickhomes.com">pete@epickhomes.com</a>

Delineation Conducted By: Kenneth D. Whitney, Ph.D.

David Bise

Meredith Branstad

Kelly Bayne

Foothill Associates 590 Menlo Drive, Suite 5

Rocklin, CA 95765

Phone Number: (916) 435-1202

dbise@foothill.com

Directions to the Project Site: From Sacramento, take Interstate 5 (I-5)

North, merge onto CA-99 N, turn right onto State Highway 70/9<sup>th</sup> Street, turn left onto CA-70/B Street, continue onto CA-149 North, merge onto CA-99 N, exit Skyway Road, turn right, and drive for 0.7

miles to the project site.

# Appendix B — Signed Statement Form Property Owner(s) Allowing Access

In the event the U.S. Army Corps of Engineers determined that a site request the USACE to first contact Foothill Associates ( David Bise schedule a date and time to enter the property described in this replocked, the owner or proponent must obtain permission from the acceptance of the schedule of the	) at (916) 435-1202 to ort. If the property is land- djacent property owner(s) in
order to provide access. I understand that this may delay the USACI	E's jurisdictional
determination and the USACE's issuance of a determination letter.	June 17,2016
Signature of Property Owner (s)	Date
George Schmidbauer Printed Name Road Agrociates L.P.	
Druce Kord Agsociates	
Signature of Property Owner (s)	Date
##CONTACT OF CONTROL OF THE CONTROL	

Printed Name

Appendix C — Routine Wetland Determination Data Forms	<u>;</u>

# WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Stonegate Property	(	City/Count	y: <u>Chico/ B</u>	utte	Sampling Date:(	02/15/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	Sampling Point:	1B
Investigator(s): Meredith Branstad, Marisa Brilts	;	Section, T	ownship, Raı	nge: <u>Sections 31 &amp; 32</u> ,	, Township 22Nor	th, Range 2E
Landform (hillslope, terrace, etc.): terrace		Local relie	ef (concave, o	convex, none): convex	Slope	e (%):
Subregion (LRR): C	Lat: <u>39.</u>	725		Long: <u>-121.79</u>	Datum	: NAD83
Soil Map Unit Name: Redsluff Gravelly Loam, 0 to 2 P	ercent Slop	es		NWI classific	cation: <u>UPL</u>	
Are climatic / hydrologic conditions on the site typical for th	is time of yea	ar? Yes_	✓ No _	(If no, explain in F	Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed?	? Are "	'Normal Circumstances" p	present? Yes <u>√</u>	No
Are Vegetation, Soil, or Hydrology	naturally pro	blematic?	(If ne	eeded, explain any answe	ers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map	showing	sampli	ng point le	ocations, transects	s, important fea	tures, etc.
Hydrophytic Vegetation Present? Yes 1	Vo <u> </u>	le f	the Sampled	ΙΔτορ		
Hydric Soil Present? Yes 1			hin a Wetlan		No <u>√</u>	
Wetland Hydrology Present? Yes I	Vo <u>√</u>					
Remarks:						
VEGETATION – Use scientific names of plan	nts.					
		Dominar	nt Indicator	Dominance Test work	sheet:	
Tree Stratum (Plot size:)	% Cover	Species'	? Status	Number of Dominant S		
1				That Are OBL, FACW,	or FAC:1	(A)
2				Total Number of Domir		
3				Species Across All Stra	ata: <u>2</u>	(B)
4				Percent of Dominant S		(4/5)
Sapling/Shrub Stratum (Plot size:)		- Total O	Over	That Are OBL, FACW,	or FAC:50_	(A/B)
1		-		Prevalence Index wor	ksheet:	
2				Total % Cover of:		-
3					x 1 =	
4				FACW species 0		
5				FAC species 60 FACU species 5	x 3 =1	
Herb Stratum (Plot size:)		= rotar C	over	UPL species 35		
1. Festuca perennis	60	Yes	FAC	Column Totals: 10		75 (B)
2. Avena fatua	30	Yes	<u>UPL</u>		( )	(-)
3. Erodium botrys	5	No	FACU		c = B/A =3.7	<u>5</u>
4. Vicia sp.		No	<u>UPL</u>	Hydrophytic Vegetation		
5. Lupin sp.		No	<u>UPL</u>	Dominance Test is		
6				Prevalence Index i	ıs ≤3.01 aptations¹ (Provide si	unnorting
7					s or on a separate s	
8		= Total C		Problematic Hydro	phytic Vegetation <sup>1</sup> (I	Explain)
Woody Vine Stratum (Plot size:)		- Total C	over			
1				<sup>1</sup> Indicators of hydric so		
2		-		be present, unless distr	urbed or problemation	). 
	0	= Total C	over	Hydrophytic		
% Bare Ground in Herb Stratum % Cove	er of Biotic Cı	ust		Vegetation Present? Ye	es No_ <b>√</b>	<u>′</u>
Remarks:				1		

US Army Corps of Engineers Arid West – Version 2.0

SOIL Sampling Point: 1B

	cription: (Describe	to the dep				or confirm	the absence o	f indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Feature:	s Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
1-8	7.5YR 2.5/3	50	7.5YR 4/3	50	.,,,,		· catalo	. torraino
1-0	7.511( 2.5/5		7.511(4/5					
		<del></del>						
				-				
		<del></del>						-
1- 0.0							2,	U. D. D. Li i M. M. M.
	oncentration, D=Dep Indicators: (Applic					ed Sand Gr		tion: PL=Pore Lining, M=Matrix. or Problematic Hydric Soils <sup>3</sup> :
-	,	able to all			eu.)			•
Histosol	oipedon (A2)		Sandy Red Stripped Ma	. ,				ick (A9) ( <b>LRR C</b> ) ick (A10) ( <b>LRR B</b> )
Black Hi			Loamy Muc		I (F1)			d Vertic (F18)
	en Sulfide (A4)		Loamy Gley	-	. ,			ent Material (TF2)
	d Layers (A5) ( <b>LRR</b>	C)	Depleted M		,		<del></del>	explain in Remarks)
1 cm Mu	ıck (A9) ( <b>LRR D</b> )		Redox Dark	Surface (	(F6)			
Depleted	d Below Dark Surfac	e (A11)	Depleted D	ark Surfac	e (F7)			
	ark Surface (A12)		Redox Dep		F8)			f hydrophytic vegetation and
	Mucky Mineral (S1)		Vernal Poo	ls (F9)				ydrology must be present,
	Bleyed Matrix (S4)  Layer (if present):						uniess ais	turbed or problematic.
•••	ahaa):		<del></del> ;				Hudria Cail B	resent? Yes No ✓
	ches):		<del></del>				Hydric Soil P	resent? Yes No
Remarks:								
No mode	ling. Manganes	se black	particles.					
			•					
HYDROLO	GY							
Wetland Hy	drology Indicators:							
Primary Indic	cators (minimum of o	one required	d; check all that appl	y)			Second	ary Indicators (2 or more required)
Surface	Water (A1)		Salt Crust	(B11)			Wa	ter Marks (B1) ( <b>Riverine</b> )
High Wa	ater Table (A2)		Biotic Crus	st (B12)			Sec	diment Deposits (B2) (Riverine)
Saturation	on (A3)		Aquatic In	vertebrate	s (B13)		Drif	ft Deposits (B3) ( <b>Riverine</b> )
Water M	larks (B1) ( <b>Nonrive</b> r	ine)	Hydrogen	Sulfide O	dor (C1)		Dra	ninage Patterns (B10)
Sedimer	nt Deposits (B2) ( <b>No</b>	nriverine)	Oxidized F	Rhizosphe	res along	Living Roo	ts (C3) Dry	y-Season Water Table (C2)
Drift Dep	oosits (B3) ( <b>Nonrive</b>	rine)	Presence	of Reduce	ed Iron (C4	1)	Cra	ayfish Burrows (C8)
Surface	Soil Cracks (B6)		Recent Iro	n Reducti	on in Tille	d Soils (C6	) Sat	turation Visible on Aerial Imagery (C9)
Inundati	on Visible on Aerial	Imagery (B	7) Thin Muck	Surface (	(C7)		Sha	allow Aquitard (D3)
Water-S	tained Leaves (B9)		Other (Exp	olain in Re	emarks)		FA	C-Neutral Test (D5)
Field Obser			_					
Surface Water	er Present?	'es	No <u> </u>	ches):		_		
Water Table	Present?	'es	No <u>√</u> Depth (in	ches):		_		
Saturation P	resent? Y	'es	No 🖌 Depth (in	ches):		Wetla	and Hydrology	Present? Yes No <u>√</u>
(includes cap	oillary fringe) corded Data (stream	aguag ma	unitaring wall parial	nhotos pr	ovious ins	nootions)	if available:	
Describe Re	corded Data (Stream	i gauge, inc	ornitoring well, aerial	priotos, pr	evious ilis	pections), i	ii avallable.	
Domarka								
Remarks:								

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# WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Stonegate Property	Ci	ty/County: Chico/ E	Sampling Date:02/15/2016		
Applicant/Owner: Epick Homes, Inc.			Sampling Point:2b		
Investigator(s): Meredith Branstad, Marisa Brilts	Se	ection, Township, Ra	ange: <b>Sections 31 &amp; 3</b> 2	2, Township 22North, Range 2	
Landform (hillslope, terrace, etc.): terrace	L	ocal relief (concave,	convex, none): concar	ve Slope (%):2	
Subregion (LRR): C	Lat: 39.72	24	_ Long: <u>-121.79</u>	Datum: NAD83	
Soil Map Unit Name: Redtough-Redswale Complex, C	to 2 Percent	Slopes	NWI classi	fication:	
Are climatic / hydrologic conditions on the site typical for tl	nis time of year	? Yes <u>√</u> No _	(If no, explain in	Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly di	sturbed? Are	"Normal Circumstances"	" present? Yes <u>√</u> No	
Are Vegetation, Soil, or Hydrology	naturally probl	ematic? (If n	eeded, explain any answ	vers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map	showing s	ampling point	locations, transect	ts, important features, etc	
Hydrophytic Vegetation Present? Yes   Hydric Soil Present? Yes   Welland Hydrology Present? Yes   Welland Hydrology Present? Yes	No	Is the Sampled within a Wetla		No <u>✓</u>	
Wetland Hydrology Present? Yes  Remarks:	No <u> </u>				
VECETATION . Has a significant and a significant					
VEGETATION – Use scientific names of pla		Dominant Indicator	Dominance Test wo	rkchoot	
Tree Stratum (Plot size:)		Species? Status	Number of Dominant		
1			That Are OBL, FACW		
2			Total Number of Dom		
3			Species Across All St	irata: <u>1</u> (B)	
4		Total Cover	Percent of Dominant	Species /, or FAC:100 (A/B)	
Sapling/Shrub Stratum (Plot size:)		10101 00101			
1			Prevalence Index wo		
2				: Multiply by:	
3				x 1 = <u>0</u> x 2 = <u>0</u>	
5				x 3 =0	
		Total Cover		x 4 =0	
Herb Stratum (Plot size:)	400			x 5 =	
1. Festuca perennis			Column Totals:	0 (A) 0 (B)	
2			Prevalence Inde	ex = B/A = <u>NaN</u>	
4			Hydrophytic Vegeta	<u> </u>	
5.			✓ Dominance Test	is >50%	
6.			Prevalence Index	$cis \le 3.0^{1}$	
7			Morphological Ac	daptations <sup>1</sup> (Provide supporting	
8				rks or on a separate sheet) rophytic Vegetation <sup>1</sup> (Explain)	
Woody Vine Stratum (Plot size:)	100=	Total Cover	Problematic Hydr	opriyiic vegetation (Explain)	
1				soil and wetland hydrology must sturbed or problematic.	
		Total Cover	Hydrophytic		
% Bare Ground in Herb Stratum % Cov	·		Vegetation Present?	/es_ <b>√</b> No	
Remarks:	or or blotte cru	J	i resent:	<u> </u>	
Nomarks.					
I .					

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SOIL Sampling Point: 2b

Depth	Matrix			ox Feature	:S			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	Remarks
1-6	10YR 3/3	80	5YR 5/6		<u>C</u>	_M		
	-							
				_				
<sup>1</sup> Type: C=C	oncentration, D=De	pletion, RM	I=Reduced Matrix, C	S=Covere	d or Coate	ed Sand Gr		tion: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Appli	cable to al	I LRRs, unless othe	rwise not	ed.)		Indicators for	or Problematic Hydric Soils <sup>3</sup> :
Histoso	` '		Sandy Red					ck (A9) ( <b>LRR C</b> )
	pipedon (A2)		Stripped M					ck (A10) (LRR B)
	istic (A3)		Loamy Mu					Vertic (F18)
	en Sulfide (A4)	<b>C</b> )	Loamy Gle	-	( (F2)			ent Material (TF2)
	d Layers (A5) ( <b>LRR</b> uck (A9) ( <b>LRR D</b> )	C)	Depleted N Redox Dar		(E4)		Other (E	xplain in Remarks)
	d Below Dark Surfa	co (Δ11)	Redox Dar Depleted D					
	ark Surface (A12)	cc (ATT)	Redox Dep				<sup>3</sup> Indicators of	hydrophytic vegetation and
	Mucky Mineral (S1)		Vernal Poo		,			rdrology must be present,
	Gleyed Matrix (S4)		<del>_</del>	. ,			-	urbed or problematic.
Restrictive	Layer (if present):							
Туре:								
Depth (in	ches):						Hydric Soil P	resent? Yes No _✓
Remarks:							1	
N.A								
Modeling								
Soft mass	ses							
HYDROLO	NCV							
_	drology Indicators							
-		one require	ed; check all that app	-				ary Indicators (2 or more required)
	Water (A1)		Salt Crus	` '				ter Marks (B1) (Riverine)
	ater Table (A2)		Biotic Cru					liment Deposits (B2) (Riverine)
Saturati			Aquatic Ir		, ,			t Deposits (B3) ( <b>Riverine</b> )
· <del></del>	Marks (B1) ( <b>Nonrive</b>		Hydrogen					inage Patterns (B10)
	nt Deposits (B2) (No			-	_	Living Roo	=	-Season Water Table (C2)
	posits (B3) (Nonrive	erine)	Presence					yfish Burrows (C8)
	Soil Cracks (B6)		Recent Ire			d Soils (C6		uration Visible on Aerial Imagery (C9)
	ion Visible on Aerial			k Surface				allow Aquitard (D3)
	Stained Leaves (B9)		Other (Ex	plain in Re	emarks)		FAC	C-Neutral Test (D5)
Field Obser			,					
Surface Wat			No _ V Depth (ir					
Water Table	Present?	Yes	No <u>✓</u> Depth (ir	nches):				
Saturation P		Yes	No ✓ Depth (ir	nches):		Wetla	and Hydrology I	Present? Yes No _✓
(includes ca	pillary fringe)						16	
Describe Re	ecorded Data (strear	n gauge, m	onitoring well, aerial	pnotos, pr	evious ins	spections),	if available:	
Remarks:								

Project/Site: Stonegate Property	City/	County: <u>Chico/ B</u>	Sampling Date:	02/15/2016	
Applicant/Owner: Epick Homes, Inc.			State: CA	Sampling Point:	3a
Investigator(s): Meredith Branstad, Marisa Brilts	Sec	tion, Township, Ra	nge: <b>Sections 31 &amp;</b> 3	2, Township 22N	orth, Range 2E
Landform (hillslope, terrace, etc.): terrace	Loc	al relief (concave,	convex, none): conca	ave Slo	ope (%):
Subregion (LRR): C	Lat: 39.725		_ Long: <u>-121.789</u>	Dati	um: NAD83
Soil Map Unit Name: Redsluff Gravelly Loam, 0 to 2 F					
Are climatic / hydrologic conditions on the site typical for the		_			
Are Vegetation, Soil, or Hydrology	_		"Normal Circumstances		<b>√</b> No
Are Vegetation, Soil, or Hydrology			eeded, explain any ans	•	
SUMMARY OF FINDINGS – Attach site map					eatures, etc.
	No No	Is the Sampleo			
Wetland Hydrology Present? Yes ✓		within a Wetla	nd? Yes	<b>√</b> No	_
Remarks:					
VEGETATION – Use scientific names of pla					
Tree Stratum (Plot size:)		minant Indicator ecies? Status	Dominance Test wo		
1			Number of Dominant That Are OBL, FACV		1 (A)
2					
3			Total Number of Dor Species Across All S		1 (B)
4			Percent of Dominant		
Condition/Charle Charles (Plat also	= T	otal Cover	That Are OBL, FACV		00 (A/B)
Sapling/Shrub Stratum (Plot size:)			Prevalence Index w	orksheet:	
1 2			Total % Cover o		olv bv:
3.			OBL species	•	
4.			FACW species		
5			FAC species	x 3 =	0
	0 = T	otal Cover	FACU species	x 4 =	0
Herb Stratum (Plot size:)	00 V-	- 546	UPL species		
Festuca perennis     Hordeum marinum			Column Totals:	0 (A)	0 (B)
3			Prevalence Ind	ex = B/A =	JaN
4			Hydrophytic Vegeta		
5.			✓ Dominance Test	t is >50%	
6.			Prevalence Inde	$x \text{ is } \le 3.0^{1}$	
7			Morphological A	daptations <sup>1</sup> (Provide	supporting
8			Problematic Hyd	arks or on a separate	
Manda Vina Chatan (District	= T	otal Cover	Problematic Hyd	iropriyiic vegetation	(Explain)
Woody Vine Stratum (Plot size:)			<sup>1</sup> Indicators of hydric	soil and wetland hvo	drology must
1 2			be present, unless d		
2.			Hydrophytic		
OV Dans Consum d in Hank Chraham			Vegetation	V / N-	
% Bare Ground in Herb Stratum 0 % Cov	ei oi biotic Crust		Present?	Yes <u>√</u> No _	
Remarks:					

SOIL Sampling Point: 3a

Depth (inches)	Matrix Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
	7.5YR 3/2	95		5		PL	clay	
			magnes.					
			magnes.	_				
				_			-	
				_				
Type: C=Co	ncentration D=De	letion RM=		S=Covere	d or Coate	d Sand G	rains <sup>2</sup> Lo	cation: PL=Pore Lining, M=Matrix.
			LRRs, unless othe			od Sand O		for Problematic Hydric Soils <sup>3</sup> :
Histosol (			Sandy Red		·			Muck (A9) (LRR C)
	ipedon (A2)		Stripped M					Muck (A10) (LRR B)
Black His			Loamy Mu	-				ced Vertic (F18)
	Sulfide (A4)		Loamy Gle	-	(F2)			arent Material (TF2)
	Layers (A5) (LRR	C)	Depleted N		(F ( )		Other	(Explain in Remarks)
	ck (A9) ( <b>LRR D</b> ) Below Dark Surfac	re (Δ11)	✓ Redox Dar Depleted D					
- •	rk Surface (A12)	ce (ATT)	Redox Dep				<sup>3</sup> Indicators	of hydrophytic vegetation and
	ucky Mineral (S1)		Vernal Poo		,			hydrology must be present,
-	eyed Matrix (S4)		<del></del>					listurbed or problematic.
Restrictive La	ayer (if present):							
Type: <u>har</u>	dnan							
1 ype. <u>-1141</u>	арап							
Depth (incl			<u> </u>				Hydric Soil	Present? Yes <u>√</u> No
	hes): <u>6</u>						Hydric Soil	Present? Yes <u>√</u> No
Depth (incl Remarks: modeling	hes): <u>6</u> 3%						Hydric Soil	Present? Yes No
Depth (incl Remarks: modeling (	hes): <u>6</u> 3% GY						Hydric Soil	Present? Yes <u>√</u> No
Depth (incl Remarks: modeling ( IYDROLOC Wetland Hyd	hes): <u>6</u> 3%  GY rology Indicators		to chock all that ann	Ivo.				
Depth (incl Remarks: modeling : IYDROLOC Wetland Hyd Primary Indica	hes): 6  3%  GY  rology Indicators ators (minimum of		d; check all that app	-			Secol	ndary Indicators (2 or more required)
Depth (incl Remarks: modeling : IYDROLOC Wetland Hyd Primary Indica Surface V	3%  GY  rology Indicators ators (minimum of Water (A1)		Salt Crust	t (B11)			<u>Seco</u> l	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> )
Depth (incl Remarks:  modeling :  IYDROLOC Wetland Hyde Primary Indica Surface V High Wat	3%  GY  rology Indicators ators (minimum of a Water (A1) er Table (A2)		Salt Crust	t (B11) st (B12)	ne (R13)		<u>Seco</u> V S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> )
Depth (incl Remarks:  modeling :  IYDROLOC  Wetland Hyd  Primary Indica  Surface V  High Watt  Saturation	GY rology Indicators ators (minimum of a Water (A1) er Table (A2) n (A3)	one required	Salt Crusi ✓ Biotic Cru Aquatic Ir	t (B11) ist (B12) ivertebrate			Secon V S E	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine)
Depth (incl Remarks:  modeling (IVDROLOC)  Wetland Hydit Primary Indication High Water Mater Mater Water Mater	And the second s	one required	Salt Crusi ✓ Biotic Cru Aquatic Ir Hydrogen	t (B11) ast (B12) avertebrate a Sulfide O	dor (C1)	Living Ro	Secol V S E	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10)
Depth (incl Remarks:  modeling :  IYDROLOC Wetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment	And the solution of the soluti	one required rine) onriverine)	Salt Crusi  ✓ Biotic Cru  Aquatic Ir  Hydrogen  Oxidized	t (B11) est (B12) evertebrate e Sulfide O Rhizosphe	dor (C1) res along	_	Secol V C C C ots (C3) C	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2)
Depth (incl Remarks:  MODELING S  IYDROLOC Wetland Hydi Primary Indica Surface V High Wate Saturation Water Mate Sediment Drift Depo	GY rology Indicators ators (minimum of an	one required rine) onriverine)	Salt Crusi  ✓ Biotic Cru  Aquatic Ir  Hydrogen  Oxidized  Presence	t (B11) ast (B12) avertebrate a Sulfide O	dor (C1) res along ed Iron (C	4)	Secoi V S C ots (C3) C	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8)
Depth (incl Remarks:  modeling :  IYDROLOC  Wetland Hyde Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo	And the second s	one required rine) onriverine) erine)	Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Iro	t (B11)  Ist (B12)  Invertebrate  Sulfide Or  Rhizosphe  of Reduce  In Reduction	dor (C1) res along ed Iron (Co on in Tille	4)	Secon V S C C cots (C3) C C6) S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9
Depth (incl Remarks:  modeling :  IYDROLOC  Wetland Hyd Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Surface S Inundatio	GY rology Indicators ators (minimum of an	one required rine) onriverine) erine)	Salt Crust  Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Thin Mucl	t (B11) ist (B12) nvertebrate Sulfide O Rhizosphe of Reduce	dor (C1) res along ed Iron (Co on in Tille (C7)	4)	Secon V S C C C C C C C C C C C C C C C S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8)
Depth (incl Remarks:  modeling :  IYDROLOC  Wetland Hyd Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Surface S Inundatio	GY rology Indicators ators (minimum of a Water (A1) er Table (A2) n (A3) arks (B1) (Nonrive t Deposits (B2) (No osits (B3) (Nonrive Soil Cracks (B6) in Visible on Aerial ained Leaves (B9)	one required rine) onriverine) erine)	Salt Crust  Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Thin Mucl	t (B11) ust (B12) uvertebrate u Sulfide O Rhizosphe of Reduce on Reducti k Surface (	dor (C1) res along ed Iron (Co on in Tille (C7)	4)	Secon V S C C C C C C C C C C C C C C C S	ndary Indicators (2 or more required)  Vater Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
Depth (incl Remarks:  modeling :  IYDROLOC  Wetland Hyd Primary Indica Surface V High Water Ma Sediment Drift Depo Surface S Inundatio Water-Sta	And the second s	rine) onriverine) erine) Imagery (B	Salt Crust  Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Thin Mucl	t (B11) ast (B12) avertebrate a Sulfide O Rhizosphe of Reduce on Reducti k Surface ( plain in Re	dor (C1) ares along ed Iron (C- on in Tille (C7) emarks)	4) d Soils (C	Secon V S C C C C C C C C C C C C C C C S	ndary Indicators (2 or more required)  Vater Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
Depth (incl Remarks:  modeling :  IYDROLOC  Wetland Hydi Primary Indica Surface V High Water Mater Mat	And the sheet is a second of the sheet is a se	rine) onriverine) erine) Imagery (B	Salt Crusi Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Irc Thin Mucl Other (Ex	t (B11) list (B12) livertebrate l Sulfide Or Rhizosphe of Reduce on Reducti k Surface ( plain in Re	dor (C1) res along ed Iron (C- on in Tille (C7) emarks)	4) d Soils (C	Secon V S C C C C C C C C C C C C C C C S	ndary Indicators (2 or more required)  Vater Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
Depth (incl Remarks:  modeling :  IYDROLOC  Wetland Hyde Primary Indica Surface V High Water Saturation Water Ma Sediment Drift Depo Surface S Inundatio Water-Sta  Field Observ Surface Water	arks (B1) (Nonriver Deposits (B3) (Nonriver Caches (B4) (Nonriver	rine) Imagery (B:	Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Thin Mucl Other (Ex	t (B11) ist (B12) ivertebrate i Sulfide O Rhizosphe of Reduce on Reducti k Surface ( plain in Re inches):	dor (C1) res along ed Iron (C- on in Tille (C7) emarks)	4) d Soils (Co	Secon — V — S — C — C — C — C — C — C — C — C — C	ndary Indicators (2 or more required)  Vater Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
Depth (incl Remarks:  modeling :  IYDROLOC  Wetland Hyde Primary Indica Surface V High Water Saturation Water Ma Sediment Drift Depo Surface S Inundatio Water-Sta  Field Observe Surface Water Water Table F Saturation Pre (includes capi	And the second s	rine)  priverine)  Imagery (B:  /es	Salt Crust  ✓ Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Other (Ex  No ✓ Depth (ir  No Depth (ir	t (B11) ast (B12) avertebrate a Sulfide O Rhizosphe of Reduce on Reducti k Surface ( plain in Re aches): aches): 6 aches): 6	dor (C1) wres along ed Iron (Coon in Tille (C7) emarks)	4) d Soils (Co	Secon V Secon Seco	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Ghallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (incl Remarks:  modeling :  IYDROLOC  Wetland Hyde Primary Indica Surface V High Water Saturation Water Ma Sediment Drift Depo Surface S Inundatio Water-Sta  Field Observe Surface Water Water Table F Saturation Pre (includes capi	And the second s	rine)  priverine)  Imagery (B:  /es	Salt Crust  ✓ Biotic Cru  Aquatic Ir  Hydrogen  Oxidized  Presence  Recent Ir  Thin Mucl  Other (Ex	t (B11) ast (B12) avertebrate a Sulfide O Rhizosphe of Reduce on Reducti k Surface ( plain in Re aches): aches): 6 aches): 6	dor (C1) wres along ed Iron (Coon in Tille (C7) emarks)	4) d Soils (Co	Secon V Secon Seco	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Ghallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (incl Remarks:  modeling :  IYDROLOC  Wetland Hydl Primary Indica Surface V High Water Saturation Water Ma Sediment Drift Depo Surface S Inundatio Water-Sta  Field Observ. Surface Water Water Table F Saturation Pre (includes capi Describe Reco	And the second s	rine)  priverine)  Imagery (B:  /es	Salt Crust  ✓ Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Other (Ex  No ✓ Depth (ir  No Depth (ir	t (B11) ast (B12) avertebrate a Sulfide O Rhizosphe of Reduce on Reducti k Surface ( plain in Re aches): aches): 6 aches): 6	dor (C1) wres along ed Iron (Coon in Tille (C7) emarks)	4) d Soils (Co	Secon V Secon Seco	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Ghallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (incl Remarks:  modeling :  IYDROLOC  Wetland Hyde Primary Indica Surface V High Water Saturation Water Ma Sediment Drift Depo Surface S Inundatio Water-Sta  Field Observe Surface Water Water Table F Saturation Pre (includes capi	And the second s	rine)  priverine)  Imagery (B:  /es	Salt Crust  ✓ Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Other (Ex  No ✓ Depth (ir  No Depth (ir	t (B11) ast (B12) avertebrate a Sulfide O Rhizosphe of Reduce on Reducti k Surface ( plain in Re aches): aches): 6 aches): 6	dor (C1) wres along ed Iron (Coon in Tille (C7) emarks)	4) d Soils (Co	Secon V Secon Seco	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Ghallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (incl Remarks:  modeling :  IYDROLOC  Wetland Hydl Primary Indica Surface V High Water Saturation Water Ma Sediment Drift Depo Surface S Inundatio Water-Sta  Field Observ. Surface Water Water Table F Saturation Pre (includes capi Describe Reco	And the second s	rine)  priverine)  Imagery (B:  /es	Salt Crust  ✓ Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Other (Ex  No ✓ Depth (ir  No Depth (ir	t (B11) ast (B12) avertebrate a Sulfide O Rhizosphe of Reduce on Reducti k Surface ( plain in Re aches): aches): 6 aches): 6	dor (C1) wres along ed Iron (Coon in Tille (C7) emarks)	4) d Soils (Co	Secon V Secon Seco	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Ghallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (incl Remarks: modeling :  IYDROLOC Wetland Hydi Primary Indica Surface V High Water Mater	And the second s	rine)  priverine)  Imagery (B:  /es	Salt Crust  ✓ Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Other (Ex  No ✓ Depth (ir  No Depth (ir	t (B11) ast (B12) avertebrate a Sulfide O Rhizosphe of Reduce on Reducti k Surface ( plain in Re aches): aches): 6 aches): 6	dor (C1) wres along ed Iron (Coon in Tille (C7) emarks)	4) d Soils (Co	Secon V Secon Seco	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Ghallow Aquitard (D3) FAC-Neutral Test (D5)

Project/Site: Stonegate Property		City/County: Chico/ Butte				ate: <u>02/1</u>	5/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	Sampling Po	oint:	3b
Investigator(s): Meredith Branstad, Marisa Brilts		Section,	Township, Ra	nge: <b>Sections 31 &amp; 3</b>	2, Township 2	2North, R	tange 2E
Landform (hillslope, terrace, etc.): terrace		Local re	lief (concave,	convex, none): conca	ve	Slope (%)	:
Subregion (LRR): C	Lat: 39.	725		Long: <u>-121.789</u>		Datum: NA	\D83
Soil Map Unit Name: Redsluff Gravelly Loam, 0 to 2 P	ercent Slop	es		NWI class	fication: UPL		
Are climatic / hydrologic conditions on the site typical for th	is time of yea	ar? Yes	_ <b>✓</b> No	(If no, explain in	Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly	disturbed	d? Are	'Normal Circumstances	" present? Yes	s <u> </u>	10
Are Vegetation, Soil, or Hydrology	naturally pro	blematic	:? (If ne	eeded, explain any ansv	wers in Remarks	s.)	
SUMMARY OF FINDINGS – Attach site map	showing	sampl	ling point l	ocations, transec	ts, importar	nt feature	es, etc.
Hydrophytic Vegetation Present? Yes <u>✓</u> I		Is	the Sampled	l Area			
Hydric Soil Present? Yes [			vithin a Wetlar		No	<u>✓</u>	
Wetland Hydrology Present? Yes I  Remarks:	Vo <u> </u>						
Remarks.							
VEGETATION – Use scientific names of plan	nts.						
Taga Chadana (Districe			ant Indicator	Dominance Test wo	rksheet:		
Tree Stratum (Plot size:)			s? Status	Number of Dominant That Are OBL, FACV		1	<b>(\\)</b>
1							. (A)
3.				Total Number of Don Species Across All S		1	(B)
4.							. (5)
	0			Percent of Dominant That Are OBL, FACV		100	(A/B)
Sapling/Shrub Stratum (Plot size:)							
1				Prevalence Index w  Total % Cover of		ultiply by:	
2.				OBL species			
3				FACW species			
5.				FAC species			
	0	= Total	Cover	FACU species	x 4 =	0	
Herb Stratum (Plot size:)	0.0		540	UPL species	x 5 =	0	
1. Festuca perennis		Yes	FAC	Column Totals:	<u>0</u> (A)	0	(B)
2. Hordeum marinum		<u>No</u> No	<u>FAC</u> UPL	Prevalence Ind	ex = B/A =	NaN	
3. Vicia sp.				Hydrophytic Vegeta			
4.         5.				✓ Dominance Test			
6.				Prevalence Inde			
7.				Morphological A	daptations¹ (Pro	vide suppo	rting
8					rks or on a sepa		
	100	= Total	Cover	Problematic Hyd	ropnytic vegeta	tion" (Expia	in)
Woody Vine Stratum (Plot size:)				<sup>1</sup> Indicators of hydric s	coil and wotland	hydrology	must
1				be present, unless di			must
2				Hydrophytic			
	·-	=		Vegetation	. /		
% Bare Ground in Herb Stratum 0	er of Riotic C	rust		Present?	Yes <u>√</u> N	lo	
Remarks:							

SOIL Sampling Point: 3b

Depth Matrix	to document the malcator of	confirm the absence of indicators.)
	Redox Features	
(inches) Color (moist) % Color (r	noist) % Type <sup>1</sup>	Loc <sup>2</sup> Texture Remarks
1-8 7.5YR 2.5/3 100		Clay
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced N	Matrix CS-Covered or Coated	Sand Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LRRs, unle		Indicators for Problematic Hydric Soils <sup>3</sup> :
	ndy Redox (S5)	1 cm Muck (A9) (LRR C)
	ripped Matrix (S6)	2 cm Muck (A10) (LRR B)
	amy Mucky Mineral (F1)	Reduced Vertic (F18)
	amy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C) De	pleted Matrix (F3)	Other (Explain in Remarks)
	edox Dark Surface (F6)	
	pleted Dark Surface (F7)	2
	edox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and
	rnal Pools (F9)	wetland hydrology must be present, unless disturbed or problematic.
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):		uniess disturbed of problematic.
Type:		Hudria Sail Drasant? Van Na /
Depth (inches):		Hydric Soil Present? Yes No _✓
Remarks:		
no bright modeling		
some manganese nodules 3%		
HYDROLOGY		
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; check all	that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	alt Crust (B11)	Water Marks (B1) (Riverine)
High Water Table (A2)	liotic Crust (B12)	Sediment Deposits (B2) (Riverine)
Saturation (A3)	quatic Invertebrates (B13)	
	quatic Invertebrates (B13) lydrogen Sulfide Odor (C1)	Drift Deposits (B3) (Riverine)
Water Marks (B1) (Nonriverine) F	lydrogen Sulfide Odor (C1)	
Water Marks (B1) (Nonriverine) F Sediment Deposits (B2) (Nonriverine) C	lydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv	<ul><li>Drift Deposits (B3) (Riverine)</li><li>Drainage Patterns (B10)</li></ul>
Water Marks (B1) (Nonriverine) F Sediment Deposits (B2) (Nonriverine) C Drift Deposits (B3) (Nonriverine) F	lydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4)	Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Water Marks (B1) (Nonriverine) F Sediment Deposits (B2) (Nonriverine) C Drift Deposits (B3) (Nonriverine) F Surface Soil Cracks (B6) F	lydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv	Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Water Marks (B1) (Nonriverine) F Sediment Deposits (B2) (Nonriverine) C Drift Deposits (B3) (Nonriverine) F Surface Soil Cracks (B6) F Inundation Visible on Aerial Imagery (B7) T	lydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liversence of Reduced Iron (C4) Recent Iron Reduction in Tilled S	Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Uning Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9)
Water Marks (B1) (Nonriverine) F Sediment Deposits (B2) (Nonriverine) C Drift Deposits (B3) (Nonriverine) F Surface Soil Cracks (B6) F Inundation Visible on Aerial Imagery (B7) T	lydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Phin Muck Surface (C7)	Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Water Marks (B1) (Nonriverine) F Sediment Deposits (B2) (Nonriverine) C Drift Deposits (B3) (Nonriverine) F Surface Soil Cracks (B6) F Inundation Visible on Aerial Imagery (B7) T Water-Stained Leaves (B9) C Field Observations:	lydrogen Sulfide Odor (C1) Dxidized Rhizospheres along Liversence of Reduced Iron (C4) Recent Iron Reduction in Tilled Schin Muck Surface (C7) Other (Explain in Remarks)	Drift Deposits (B3) (Riverine) Drainage Patterns (B10) wing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Water Marks (B1) (Nonriverine) F Sediment Deposits (B2) (Nonriverine) C Drift Deposits (B3) (Nonriverine) F Surface Soil Cracks (B6) F Inundation Visible on Aerial Imagery (B7) T Water-Stained Leaves (B9) C Field Observations: Surface Water Present? Yes No✓	lydrogen Sulfide Odor (C1) Dixidized Rhizospheres along Liveresence of Reduced Iron (C4) Recent Iron Reduction in Tilled Shin Muck Surface (C7) Other (Explain in Remarks) Depth (inches):	Drift Deposits (B3) (Riverine) Drainage Patterns (B10) wing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Water Marks (B1) (Nonriverine) For the second s	lydrogen Sulfide Odor (C1) Dxidized Rhizospheres along Liveresence of Reduced Iron (C4) Recent Iron Reduction in Tilled Shin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches):	Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Water Marks (B1) (Nonriverine) For the second s	lydrogen Sulfide Odor (C1) Dxidized Rhizospheres along Liveresence of Reduced Iron (C4) Recent Iron Reduction in Tilled Shin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No✓
Water Marks (B1) (Nonriverine) For the second s	lydrogen Sulfide Odor (C1) Dxidized Rhizospheres along Liveresence of Reduced Iron (C4) Recent Iron Reduction in Tilled Shin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No✓
Water Marks (B1) (Nonriverine) For the second s	lydrogen Sulfide Odor (C1) Dxidized Rhizospheres along Liveresence of Reduced Iron (C4) Recent Iron Reduction in Tilled Shin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No✓
Water Marks (B1) (Nonriverine) For the second s	lydrogen Sulfide Odor (C1) Dxidized Rhizospheres along Liveresence of Reduced Iron (C4) Recent Iron Reduction in Tilled Shin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No✓
Water Marks (B1) (Nonriverine) For the second of the second o	lydrogen Sulfide Odor (C1) Dxidized Rhizospheres along Liveresence of Reduced Iron (C4) Recent Iron Reduction in Tilled Shin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No✓
Water Marks (B1) (Nonriverine) For the second of the second o	lydrogen Sulfide Odor (C1) Dxidized Rhizospheres along Liveresence of Reduced Iron (C4) Recent Iron Reduction in Tilled Shin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No✓
Water Marks (B1) (Nonriverine) For the second of the second o	lydrogen Sulfide Odor (C1) Dxidized Rhizospheres along Liveresence of Reduced Iron (C4) Recent Iron Reduction in Tilled Shin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No✓

Project/Site: Stonegate Property	City/County: Chico/ Butte				Sampling Da	ate: <u>02/1</u>	.5/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	Sampling Po	oint:	4a
Investigator(s): Meredith Branstad, Marisa Brilts		Section,	Township, Ra	nge: <b>Sections 31 &amp; 3</b>	2, Township 2	2North, F	Range 2E
Landform (hillslope, terrace, etc.): terrace		Local re	elief (concave,	convex, none): conca	ıve	Slope (%)	):
Subregion (LRR): C	Lat: <u>39.</u>	724		_ Long: <u>-121.789</u>		Datum: NA	4D83
Soil Map Unit Name: Redtough-Redswale Complex, 0	to 2 Perce	nt Slope	es	NWI class	ification: DSW		
Are climatic / hydrologic conditions on the site typical for th	is time of ye	ar? Yes	_ <b>√</b> _ No_	(If no, explain in	ı Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly	disturbe	d? Are	"Normal Circumstances	" present? Yes	s_ <b>√</b> _ N	۷o
Are Vegetation, Soil, or Hydrology	naturally pro	blematic	:? (If ne	eeded, explain any ansv	wers in Remarks	s.)	
SUMMARY OF FINDINGS – Attach site map	showing	samp	ling point l	ocations, transec	ts, importar	nt feature	es, etc.
	No No		s the Sampled vithin a Wetlar		√ No		
Photo 59							
VEGETATION – Use scientific names of plan	nts.						
7. 0. 1. (0.1.1.)			ant Indicator	Dominance Test wo	rksheet:		
Tree Stratum (Plot size:)			es? Status	Number of Dominant That Are OBL, FACV		2	(4)
1 2							_ (A)
3.				Total Number of Don Species Across All S		2	(B)
4.				Percent of Dominant			- (-)
Continue/Charle Charles (District	0	_ = Total	Cover	That Are OBL, FACV		100	(A/B)
Sapling/Shrub Stratum (Plot size:)  1				Prevalence Index w	orksheet:		
2.				Total % Cover of		ultiply by:	
3.				OBL species			
4.				FACW species			
5.				FAC species			
	0	= Total	Cover	FACU species	x 4 =	0	
Herb Stratum (Plot size:)				UPL species	x 5 =	0	
1. Festuca perennis		Yes	<u>FAC</u>	Column Totals:	0 (A)	0	(B)
2. <u>Hordeum marinum</u>		Yes	<u>FAC</u>		544	NI - NI	
3. Eleocharis macrostachya	5	No	FACW		ex = B/A =		_
4. Blennosperma nanum		No	<u>FAC</u>	Hydrophytic Vegeta		<b>;</b> :	
5. Avena fatua		No	UPL UPL	✓ Dominance Test			
6. Vicia sp.			UPL	Prevalence Inde			
7				Morphological Adda in Rema	daptations (Pro irks or on a sepa	vide suppo arate sheet	rung )
8				Problematic Hyd	•		
Woody Vine Stratum (Plot size:)	100	_ = Total	Cover				
1				<sup>1</sup> Indicators of hydric s be present, unless di			must
2	0			Hydrophytic			
% Bare Ground in Herb Stratum0 % Cove		_		Vegetation	Yes ✓ N	lo	
Remarks:	, or blotte C	. 431		i resent:	103 <u>*</u> N	<u> </u>	
INGITIALNO.							

SOIL Sampling Point: 4a

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix			Feature		1 2	T	Demonio
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>†</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	7.5YR 3/2	95	2.5YR 3/6	_5	<u>C</u>	PL	<u>clay</u>	
								_
-								
				-				
<sup>1</sup> Type: C=C	oncentration, D=De	oletion, RM	=Reduced Matrix, CS	=Covere	d or Coate	ed Sand G	rains. <sup>2</sup> Locatio	on: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Appli	cable to al	LRRs, unless other	wise no	ted.)		Indicators for	r Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Sandy Redo	x (S5)			1 cm Muc	k (A9) (LRR C)
	oipedon (A2)		Stripped Mat					k (A10) ( <b>LRR B</b> )
	stic (A3)		Loamy Muck	-				Vertic (F18)
_ , ,	en Sulfide (A4)	۵)	Loamy Gleye					nt Material (TF2)
	d Layers (A5) (LRR	C)	Depleted Ma				Other (Ex	plain in Remarks)
	uck (A9) ( <b>LRR D</b> ) d Below Dark Surfa	co (Λ11)	✓ Redox Dark Depleted Da					
-	ark Surface (A12)	ce (ATT)	Redox Depre				<sup>3</sup> Indicators of h	hydrophytic vegetation and
	Mucky Mineral (S1)		Vernal Pools		(. 0)			drology must be present,
	Gleyed Matrix (S4)		<del></del>	,			-	urbed or problematic.
Restrictive	Layer (if present):							
Туре:								
Depth (in	ches):						Hydric Soil Pro	esent? Yes No
Remarks:								
HYDROLO	GY							
Wetland Hy	drology Indicators	:						
Primary India	cators (minimum of	one require	d; check all that apply	')			Seconda	ry Indicators (2 or more required)
Surface	Water (A1)		Salt Crust (	(B11)			Wate	er Marks (B1) ( <b>Riverine</b> )
High Wa	ater Table (A2)		✓ Biotic Crust	t (B12)			Sedi	ment Deposits (B2) (Riverine)
Saturati	on (A3)		Aquatic Inv	ertebrate	es (B13)		Drift	Deposits (B3) (Riverine)
Water M	larks (B1) ( <b>Nonrive</b>	rine)	Hydrogen S	Sulfide O	dor (C1)		Drair	nage Patterns (B10)
Sedime	nt Deposits (B2) ( <b>N</b> o	nriverine)	Oxidized R	hizosphe	eres along	Living Ro	ots (C3) Dry-	Season Water Table (C2)
Drift Dep	oosits (B3) ( <b>Nonriv</b> e	erine)	Presence o	f Reduc	ed Iron (C	4)	Cray	fish Burrows (C8)
Surface	Soil Cracks (B6)		Recent Iron	n Reduct	ion in Tille	d Soils (C	6) <u> </u>	ration Visible on Aerial Imagery (C9)
	on Visible on Aerial	Imagery (E						low Aquitard (D3)
	tained Leaves (B9)		Other (Exp	lain in Re	emarks)		FAC	-Neutral Test (D5)
Field Obser								
Surface Wat			No <u>✓</u> Depth (inc					
Water Table		_	No <u>✓</u> Depth (inc					
Saturation P		res <u>√</u>	No Depth (inc	hes): <u>6</u>		Wet	land Hydrology P	resent? Yes <u>√</u> No
(includes cap Describe Re		n gauge, m	onitoring well, aerial p	hotos, p	revious ins	pections).	, if available:	
		99-7				-   , ,	,	
Remarks:								

Project/Site: Stonegate Property	Cit	y/County: Chico/ B	utte	Sampling Date: 02/	<u>′15/2016</u>	
Applicant/Owner: Epick Homes, Inc.			State: CA	Sampling Point:	5b	
Investigator(s): Meredith Branstad, Marisa B	rilts Se	ection, Township, Ra	nge: <u>Sections 31 &amp; 32</u>	Township 22North,	Range 2E	
Landform (hillslope, terrace, etc.): terrace	Lo	ocal relief (concave, convex, none): <u>CONVEX</u> Slope (%):				
Subregion (LRR): C	Lat: 39.72	3	Long: -121.789	Datum: N	IAD83	
Soil Map Unit Name: Redtough-Redswale Cor						
Are climatic / hydrologic conditions on the site typ		_				
Are Vegetation, Soil, or Hydrology	_		"Normal Circumstances"		No	
Are Vegetation, Soil, or Hydrology			eeded, explain any answe			
SUMMARY OF FINDINGS – Attach si					res, etc.	
Hydrophytic Vegetation Present? Yes _	✓ No					
	No ✓	Is the Sampled		No <u></u> ✓		
	No <u></u> ✓	within a Wetlar	na? Yes	NO <u></u>		
Remarks:						
VECETATION Lies scientific names	of plants					
VEGETATION – Use scientific names		Dominant Indicator	Dominance Test work	 (sheet:		
Tree Stratum (Plot size:)		Species? Status	Number of Dominant S	pecies		
1			That Are OBL, FACW,	or FAC: 1	(A)	
2			Total Number of Domir		(D)	
3 4			Species Across All Stra		(B)	
	0 =	Total Cover	Percent of Dominant S That Are OBL, FACW,		(A/B)	
Sapling/Shrub Stratum (Plot size:						
1			Prevalence Index wor  Total % Cover of:			
2			OBL species			
3 4			FACW species			
5			FAC species			
			FACU species			
Herb Stratum (Plot size:)			UPL species	x 5 =0		
1. Festuca perennis		<u>fac</u>	Column Totals:	) (A) <u>0</u>	(B)	
2. Bromus hordeaceus		No FACU	Daniela a calleda	. D/A NaN		
3. <u>Triteleia laxa</u>	<u>5</u>	No FAC	Hydrophytic Vegetati	c = B/A = NaN		
4. <u>Senecio vulgaris</u>		No FACU	✓ Dominance Test is			
5			Prevalence Index			
6			Morphological Ada		oortina	
8			data in Remark	s or on a separate shee	et)	
- C		Total Cover	Problematic Hydro	phytic Vegetation <sup>1</sup> (Exp	olain)	
Woody Vine Stratum (Plot size:			1			
1			'Indicators of hydric so be present, unless dist	il and wetland hydrolog urbed or problematic.	y must	
2		Total Cover	Hydrophytic	<u> </u>		
% Bare Ground in Herb Stratum0			Vegetation	es _ <b>√</b> No		
Remarks:	70 COVEL OF BIOLIC CIU:	ot	FIESCHE: YE	·3 <u>▼                                    </u>	-	
Remarks:						

SOIL Sampling Point: 5b

Depth	cription: (Describe Matrix		Redo	x Features	S			·
(inches)	Color (moist)	%	Color (moist)	%	Type'	Loc <sup>2</sup>	<u>Texture</u>	Remarks
1-6	7.5YR 3/3	100						
				-				
	-							
	-							
	-							
	-						- <u> </u>	
<sup>1</sup> Type: C=C	concentration, D=De	pletion, RM=	Reduced Matrix, CS	S=Covered	d or Coate	ed Sand G	rains. <sup>2</sup> Locati	ion: PL=Pore Lining, M=Matrix.
	Indicators: (Appli							r Problematic Hydric Soils <sup>3</sup> :
Histoso	I (A1)		Sandy Red	ox (S5)			1 cm Mud	ck (A9) ( <b>LRR C</b> )
	pipedon (A2)		Stripped Ma					ck (A10) ( <b>LRR B</b> )
	istic (A3)		Loamy Muc		l (F1)			Vertic (F18)
Hydrog	en Sulfide (A4)		Loamy Gley	ed Matrix	(F2)		Red Pare	ent Material (TF2)
	d Layers (A5) ( <b>LRR</b>	C)	Depleted M	atrix (F3)			Other (Ex	plain in Remarks)
	uck (A9) ( <b>LRR D</b> )		Redox Dark					
•	d Below Dark Surfa	ce (A11)	Depleted D				3	
	ark Surface (A12)		Redox Dep		-8)			hydrophytic vegetation and
_	Mucky Mineral (S1) Gleyed Matrix (S4)		Vernal Pool	S (F9)			_	drology must be present, urbed or problematic.
	Layer (if present):						uniess disti	arbed or problematic.
	Layer (ii presenty.							
٠	iches):						Hydric Soil Dr	resent? Yes No
Remarks:	iches):						Hydric Soil Pi	esent: YesNO
IYDROLC	)GY							
Wetland Hy	drology Indicators	:						
Primary Indi	cators (minimum of	one required	; check all that appl	y)			<u>Seconda</u>	ry Indicators (2 or more required)
Surface	Water (A1)		Salt Crust	(B11)			Wat	er Marks (B1) ( <b>Riverine</b> )
High W	ater Table (A2)		Biotic Crus	st (B12)			Sed	iment Deposits (B2) (Riverine)
Saturati	ion (A3)		Aquatic In	vertebrate	s (B13)		Drift	Deposits (B3) (Riverine)
Water N	Marks (B1) ( <b>Nonrive</b>	rine)	Hydrogen	Sulfide Od	dor (C1)		Drai	nage Patterns (B10)
Sedime	nt Deposits (B2) (No	onriverine)	Oxidized F	Rhizosphe	res along	Living Roo	ots (C3) Dry-	Season Water Table (C2)
Drift De	posits (B3) ( <b>Nonriv</b> e	erine)	Presence	of Reduce	d Iron (C	4)	Cray	yfish Burrows (C8)
Surface	Soil Cracks (B6)		Recent Iro	n Reduction	on in Tille	d Soils (Co	6) <u> </u>	ration Visible on Aerial Imagery (C9)
Inundat	ion Visible on Aerial	Imagery (B7	) Thin Muck	Surface (	C7)		Sha	llow Aquitard (D3)
Water-S	Stained Leaves (B9)		Other (Exp	olain in Re	marks)		FAC	-Neutral Test (D5)
Field Obse	rvations:							
Surface Wa	ter Present?	Yes N	Jo <u>√</u> Depth (in	ches):				
Water Table	Present?	Yes N	lo <u>√</u> Depth (in	ches):				
Saturation F			lo <u>√</u> Depth (in				and Hydrology P	Present? Yes No _✓_
(includes ca	pillary fringe)							
Describe Re	ecorded Data (strear	n gauge, mo	nitoring well, aerial	photos, pr	evious ins	spections),	if available:	
Remarks:								

Project/Site: Stonegate Property	(	City/County	y: <u>Chico / B</u>	Butte	Sampling Date: _	02/23/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	Sampling Point: _	6b
Investigator(s): Meredith Branstad/ Marisa Brilts	<	Section, To	ownship, Rar	nge: <u>Sections 31 &amp; 32,</u>	, Township 22No	rth, Range 2E
Landform (hillslope, terrace, etc.): terrace		Local relie	f (concave, c	convex, none): convex	Slop	oe (%): <b>&lt;1</b>
Subregion (LRR): C	Lat: 39.7	722		Long: -121.786	Datur	n: NAD83
Soil Map Unit Name: WaFap-Hamslough Complex, 0 to						
Are climatic / hydrologic conditions on the site typical for this						
Are Vegetation, Soil, or Hydrology signs.	_			Normal Circumstances" p		No
Are Vegetation, Soil, or Hydrology na				eded, explain any answe		
				· · · ·		aturas ata
SUMMARY OF FINDINGS – Attach site map s	nowing	Sampin	ig point it		, important lea	atures, etc.
Hydrophytic Vegetation Present? Yes <u>✓</u> No		ls th	ne Sampled	Area		
Hydric Soil Present? Yes No			nin a Wetlan		No <u> </u>	
Wetland Hydrology Present? Yes <u>✓</u> No	<u>' — — </u>					
Remarks:						
VEGETATION – Use scientific names of plant	s.					
Total Charles (Phys. 1	Absolute		t Indicator	Dominance Test work	(sheet:	
	% Cover	•		Number of Dominant S		(4)
1				That Are OBL, FACW,	or FAC:I	(A)
2 3				Total Number of Domin Species Across All Stra		(B)
4						(b)
	0			Percent of Dominant Sp That Are OBL, FACW,		0 (A/B)
Sapling/Shrub Stratum (Plot size:)						<u> </u>
1				Prevalence Index wor		
2				Total % Cover of:		
3				OBL species		
4.       5.				FAC species		
	0			FACU species		
Herb Stratum (Plot size:)		- rotar ot	JVCI	UPL species		0
1. Festuca perennis		Yes	FAC	Column Totals: 0	) (A)	0 (B)
2. Eleocharis macrostachya		No	OBL			
3. Hordeum murinum					( = B/A = <u>Na</u>	<u> IIV                                   </u>
4				Hydrophytic Vegetatio		
5				<ul><li>✓ Dominance Test is</li><li>✓ Prevalence Index is</li></ul>		
6				Morphological Ada		supporting
7 8				data in Remark:	s or on a separate	sheet)
0		= Total Co		Problematic Hydro	phytic Vegetation <sup>1</sup>	(Explain)
Woody Vine Stratum (Plot size:)		Total of	3 7 31			
1				<sup>1</sup> Indicators of hydric soi be present, unless distu		
2						
	0	= Total Co	over	Hydrophytic Vegetation		
% Bare Ground in Herb Stratum % Cover	of Biotic Cr	ust		Present? Ye	es_√ No_	
Remarks:						

SOIL Sampling Point: 6b

Depth	Matrix			ox Feature	es .			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-6	10YR 3/4	98		_ 2	<u>C</u>	<u>M</u>	clay	mang. concentrations
					_			
				_	-			
	-				-			
				<del>-</del>			-	
					-	· <del></del>		
	-			_				
			Reduced Matrix, C			ed Sand G		cation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Appli	cable to all	LRRs, unless othe	erwise not	ted.)		Indicators	s for Problematic Hydric Soils <sup>3</sup> :
Histoso			Sandy Red					Muck (A9) (LRR C)
	pipedon (A2)		Stripped M					Muck (A10) (LRR B)
	istic (A3)		Loamy Muc	-				ced Vertic (F18)
	en Sulfide (A4)	C)	Loamy Gle	-	( (F2)			Parent Material (TF2)
	d Layers (A5) ( <b>LRR</b> uck (A9) ( <b>LRR D</b> )	C)	Depleted M Redox Dar		(E6)		Other	(Explain in Remarks)
	d Below Dark Surfa	ce (A11)	Depleted D					
	ark Surface (A12)	00 (/////	Redox Dep				3Indicators	of hydrophytic vegetation and
	Mucky Mineral (S1)		Vernal Poo		` ,			hydrology must be present,
	Gleyed Matrix (S4)							disturbed or problematic.
Restrictive	Layer (if present):							
Туре:								
Depth (in	ches):						Hydric Soi	I Present? Yes No _✓
Remarks:							l	
IVDDOLO	OCV.							
HYDROLC								
-	drology Indicators		d. aleaal, all that awa	1. A			Cooo	ndon Indiantoro (2 or more required)
		one required	d; check all that app					ndary Indicators (2 or more required)
	Water (A1)		Salt Crust	, ,				Water Marks (B1) (Riverine)
	ater Table (A2)		Biotic Cru		- (D12)			Sediment Deposits (B2) (Riverine)
✓ Saturati		-i a\	Aquatic Ir					Orift Deposits (B3) (Riverine)
	Marks (B1) (Nonrive		Hydrogen Oxidized			Living Do		Orainage Patterns (B10)
	nt Deposits (B2) (Ne				_	•		Ory-Season Water Table (C2)
	posits (B3) (Nonrive	erine)	Presence					Crayfish Burrows (C8)
	Soil Cracks (B6)	Imagony (P	Recent Iro			iu solis (C		Saturation Visible on Aerial Imagery (C9)
	ion Visible on Aerial							Shallow Aquitard (D3) FAC-Neutral Test (D5)
Field Obser	Stained Leaves (B9)		Other (Ex	piaiii iii K	emarks)			-AC-Neutral Test (D3)
		V	No. / Double (in	- al- a a\.				
Surface Wat			No Depth (ir					
Water Table			No <u> </u>					,
Saturation F	resent? pillary fringe)	Yes <u>√</u>	No Depth (ir	nches): <u>6</u>		Wet	land Hydrolog	yy Present? Yes No
Describe Re	corded Data (stream	n gauge, mo	onitoring well, aerial	photos, pi	revious ins	spections),	if available:	
Remarks:								

Project/Site: Stonegate Property	(	City/Count	y: <u>Chico/ B</u> ı	utte	Sampling Date:	02/23/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	Sampling Point:	: <u>7a</u>
Investigator(s): Meredith Branstad, Marisa Brilts	<	Section, To	ownship, Rar	nge: <u>Sections 31 &amp; 32,</u>	Township 22N	Iorth, Range 2
Landform (hillslope, terrace, etc.): terrace		Local relie	ef (concave, o	convex, none): concave	<u>e</u> si	ope (%):
Subregion (LRR): C	Lat: 39.7	722		Long: -121.786	Dat	:um: NAD83
Soil Map Unit Name: WaFap-Hamslough Complex, 0 to						
Are climatic / hydrologic conditions on the site typical for this			_			
Are Vegetation, Soil, or Hydrology signature.	_			Normal Circumstances" p		✓ No
Are Vegetation, Soil, or Hydrology na				eded, explain any answe		
				· · ·		footures etc
SUMMARY OF FINDINGS – Attach site map s	nowing	Sampin	ig point it	——————————————————————————————————————	, important i	eatures, etc.
Hydrophytic Vegetation Present? Yes No		ls ti	he Sampled	Area		
Hydric Soil Present? Yes ✓ No			hin a Wetlan	,	No	
Wetland Hydrology Present? Yes <u>√</u> No						
Remarks:						
VEGETATION – Use scientific names of plant	s.					
	Absolute	Dominan	t Indicator	Dominance Test work	sheet:	
Tree Stratum (Plot size:)	% Cover	Species?	Status_	Number of Dominant S		_
1				That Are OBL, FACW,	or FAC:	<u>2</u> (A)
2				Total Number of Domin		•
3				Species Across All Stra	ıta:	2 (B)
4	0			Percent of Dominant Sp		100 (1/2)
Sapling/Shrub Stratum (Plot size:)		- Total Ci	ovei	That Are OBL, FACW,	or FAC:1	L00 (A/B)
1				Prevalence Index wor	ksheet:	
2				Total % Cover of:		
3				OBL species		
4				FACW species		
5				FAC species		
Herb Stratum (Plot size:)	0	= Total Co	over	FACU species		_
1. Eleocharis macrostachya	50	Yes	FACW	UPL species  Column Totals: 0		
2. Festuca perennis		Yes	FAC	Column rotals	<u>/(A)</u>	(B)
3. Hordeum marinum		No		Prevalence Index	: = B/A =	NaN
4. Blennosperma nanum	1	No	FACW	Hydrophytic Vegetation	on Indicators:	
5				✓ Dominance Test is		
6				Prevalence Index is		
7				Morphological Ada	iptations' (Provid s or on a separat	e supporting
8				Problematic Hydro	•	
Woody Vine Stratum (Plot size:)	100	= Total Co	over		py g	(=:::
1				<sup>1</sup> Indicators of hydric soi	il and wetland hy	drology must
2.				be present, unless distu	urbed or problem	atic.
	0			Hydrophytic		
% Bare Ground in Herb Stratum 0	of Biotic Cr	าเรา		Vegetation Present? Ye	es_ <mark>√</mark> No_	
Remarks:				. resent: re	<u> </u>	
TOTIGING.						
1						

SOIL Sampling Point: 7a

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redo	x Feature %	es Type <sup>1</sup>	Loc²	Texture	Remarks
								Kemarks
1-6	10YR 3/2	90	2.5YR 3/6	10	<u>C</u>	PL	clay/sand	
					_			
				-	-	_		
				-	_			
			-					
	-							
			=Reduced Matrix, CS			ed Sand G		on: PL=Pore Lining, M=Matrix.
•		cable to al	LRRs, unless othe		ted.)			Problematic Hydric Soils <sup>3</sup> :
Histosol	, ,		Sandy Red					k (A9) (LRR C)
Histic Ep	oipedon (A2)		Stripped Ma Loamy Mud		ol (E1)			k (A10) ( <b>LRR B</b> ) Vertic (F18)
	en Sulfide (A4)		Loamy Gle	-				nt Material (TF2)
	d Layers (A5) ( <b>LRR</b>	C)	Depleted M					plain in Remarks)
	ick (A9) ( <b>LRR D</b> )	,	✓ Redox Dark				` '	,
Depleted	d Below Dark Surfa	ce (A11)	Depleted D	ark Surfa	ce (F7)			
	ark Surface (A12)		Redox Dep		(F8)			nydrophytic vegetation and
-	flucky Mineral (S1)		Vernal Poo	s (F9)			•	rology must be present,
	Gleyed Matrix (S4)						uniess distu	rbed or problematic.
	_ayer (if present):							
Type:	ah a a \.						Undria Cail Dra	acout? Vac / No
Depth (inc	cnes):						Hydric Soil Pre	esent? Yes No
IYDROLO								
	drology Indicators							
	•	one require	d; check all that appl				· ·	ry Indicators (2 or more required)
	Water (A1)		Salt Crust					er Marks (B1) ( <b>Riverine</b> )
	iter Table (A2)		Biotic Cru		<b>/</b>			ment Deposits (B2) (Riverine)
✓ Saturation			Aquatic In					Deposits (B3) (Riverine)
	larks (B1) (Nonrive		Hydrogen			. Liuina Da		nage Patterns (B10)
	nt Deposits (B2) ( <b>N</b> oosits (B3) ( <b>Nonriv</b> e			-	-	g Living Ro	=	Season Water Table (C2)
	Soil Cracks (B6)	erme)	Presence			ed Soils (C	-	fish Burrows (C8) ration Visible on Aerial Imagery (C9)
	on Visible on Aerial	Imagery (F				eu Solis (Ci		ow Aquitard (D3)
	tained Leaves (B9)	5 5 .	Other (Ex					Neutral Test (D5)
Field Obser								
Surface Wate		Yes	No <u>✓</u> Depth (in	ches):				
Water Table			No ✓ Depth (in					
Saturation Pr	resent?		No Depth (in				land Hydrology Pi	resent? Yes No
(includes cap Describe Re	oillary fringe) Corded Data (streat	m dalide m	onitoring well, aerial	nhotos n	revious in	spections)	if available:	
Describe Ne	corded Data (Stream	n gaage, m	ormoring well, deridi	рпотоз, р	revious in	13pcction 13),	, ii available.	
Remarks:								

Project/Site: Stonegate Property		City/Cou	nty: Chico/ B	utte	Sampling Da	ate: <u>02/2</u>	3/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	Sampling Po	oint:	7b
Investigator(s): Meredith Branstad, Maris Brilts		Section,	Township, Ra	nge: <b>Sections 31 &amp; 3</b>	2, Township 2	2North, F	Range 2E
Landform (hillslope, terrace, etc.): terrace		Local re	elief (concave,	convex, none): conve	X	Slope (%)	):
Subregion (LRR): C	Lat: <u>39.</u>	722		_ Long: <u>-121.786</u>		Datum: NA	4D83
Soil Map Unit Name: WaFap-Hamslough Complex, 0	to 2 Percen	t Slopes	S	NWI class	ification: UPL		
Are climatic / hydrologic conditions on the site typical for the	nis time of yea	ar? Yes	_ <b>✓</b> No	(If no, explain ir	Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly	disturbed	d? Are	"Normal Circumstances	" present? Yes	s_ <b>√</b> _ N	۷o
Are Vegetation, Soil, or Hydrology	naturally pro	blematic	:? (If ne	eeded, explain any ansv	wers in Remarks	s.)	
SUMMARY OF FINDINGS - Attach site map	showing	samp	ling point l	ocations, transec	ts, importar	nt feature	es, etc.
Hydrophytic Vegetation Present? Yes✓		Is	s the Sampled	I Area			
Hydric Soil Present? Yes  Wetland Hydrology Present? Yes		w	ithin a Wetlaı	nd? Yes	No	✓	
Remarks:							
VEGETATION - Use scientific names of pla	nts.						
Tue Class (DL)			ant Indicator	Dominance Test wo	orksheet:		
Tree Stratum (Plot size:)			s? Status	Number of Dominant That Are OBL, FACV		1	(A)
1							_ (A)
3.				Total Number of Don Species Across All S		1	(B)
4.							_ (5)
	0			Percent of Dominant That Are OBL, FACV		100	(A/B)
Sapling/Shrub Stratum (Plot size:)				Prevalence Index w			
1				Total % Cover or		ultiply by:	
2				OBL species			
4				FACW species			
5.				FAC species			
	0	_ = Total	Cover	FACU species	x 4 =	0	_
Herb Stratum (Plot size:)	00	V	FAC	UPL species			
Festuca perennis     Eleocharis macrostachya		Yes No	<u>FAC</u> OBL	Column Totals:	<u>0</u> (A)	0	(B)
Centaurea solstitialis		No	UPL	Prevalence Ind	ex = B/A =	NaN	
Hordeum murinum			UPL	Hydrophytic Vegeta			
5.				✓ Dominance Test	is >50%		
6.				Prevalence Inde	x is $\le 3.0^{1}$		
7				Morphological A	daptations <sup>1</sup> (Pro irks or on a sepa	vide suppo	orting
8				Problematic Hyd			
Woody Vino Stratum (Dlot size)	90	_ = Total	Cover	Troblematic riyu	Topriyile vegeta	tion (Expic	all 1 <i>)</i>
Woody Vine Stratum (Plot size:)  1				<sup>1</sup> Indicators of hydric s	soil and wetland	hydrology	must
2.				be present, unless di			
	0			Hydrophytic			
% Bare Ground in Herb Stratum 10 % Cov				Vegetation Present?	Yes ✓ N	lo	
Remarks:	S. S. BIORIC O			. 1000111.	. 33 <u> </u>		
Normal Ro.							
1							

SOIL Sampling Point: 7b

Profile Desc	ription: (Describe	e to the depth	needed to document the indicator or o	confirm the absence of indicators.)	
Depth	Matrix		Redox Features		
(inches)	Color (moist)	%	Color (moist) % Type <sup>1</sup> L	_oc <sup>2</sup> Texture Remarks	
<u>0-6</u>	7.5YR 2/3	100		clay/silt	
					_
<del></del>					_
					—
<sup>1</sup> Type: C=Co	oncentration D=De	nletion RM=R	educed Matrix, CS=Covered or Coated S	and Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.	
			RRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :	
Histosol			Sandy Redox (S5)	1 cm Muck (A9) (LRR C)	
	pipedon (A2)		Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)	
Black His			Loamy Mucky Mineral (F1)	Reduced Vertic (F18)	
	n Sulfide (A4)		Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)	
Stratified	l Layers (A5) ( <b>LRR</b>	C)	Depleted Matrix (F3)	Other (Explain in Remarks)	
	ick (A9) ( <b>LRR D</b> )		Redox Dark Surface (F6)		
	Below Dark Surfa	ce (A11)	Depleted Dark Surface (F7)	2	
	ark Surface (A12)		Redox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and	
	lucky Mineral (S1) sleyed Matrix (S4)		Vernal Pools (F9)	wetland hydrology must be present,	
	_ayer (if present):			unless disturbed or problematic.	
J				Hardria Cail Duananto Van Na /	
-	ches):		<u> </u>	Hydric Soil Present? Yes No _✓	
Remarks:					
3% mang.	. concentratio	ns			
J					
HYDROLO	GY				
	drology Indicators	·			
_			check all that apply)	Secondary Indicators (2 or more required)	
Surface		one required, t			_
	iter Table (A2)		Salt Crust (B11) Biotic Crust (B12)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)	
_				Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)	
Saturatio	лт (АЗ) arks (В1) ( <b>Nonriv</b> e	rino)	<ul><li>Aquatic Invertebrates (B13)</li><li>Hydrogen Sulfide Odor (C1)</li></ul>	Drainage Patterns (B10)	
	arks (B1) (Nonrive nt Deposits (B2) (No	•	Oxidized Rhizospheres along Livi		
·	oosits (B3) ( <b>Nonriv</b>	-	Presence of Reduced Iron (C4)	Crayfish Burrows (C8)	
	Soil Cracks (B6)	erine)	Recent Iron Reduction in Tilled So	-	`0\
	on Visible on Aerial	Imagery (R7)	Thin Muck Surface (C7)	Shallow Aquitard (D3)	,,,
	tained Leaves (B9)	3 3 . ,	Other (Explain in Remarks)	FAC-Neutral Test (D5)	
Field Observ			Other (Explain in Nemarks)	1710 Neutral Test (B5)	
Surface Wate		Voc No	o_ <b>√</b> Depth (inches):		
Water Table		· · · · · · · · · · · · · · · · · · ·	Depth (inches):		
				W. W. T. W. T. T. B. T. W. W. T. W. W. T. W. W. T. W. T. W. T. W. T. W. T. W. T. W. W. W. T. W.	,
Saturation Pr (includes cap		Yes No	Depth (inches):	Wetland Hydrology Present? Yes No	—
		n gauge, moni	toring well, aerial photos, previous inspec	itions), if available:	
Remarks:					

Project/Site: Stonegate Property	(	City/County	r: <u>Chico/ B</u> ı	utte	_ Sampling Dat	e: <u>02/23</u>	3/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	_ Sampling Poir	nt: <u>8</u>	За
Investigator(s): Meredith Branstad, Marisa Brilts	:	Section, To	wnship, Rar	nge: <u>Sections 31 &amp; 32</u> ,	, Township 22	<u> North, Ra</u>	ange 2E
Landform (hillslope, terrace, etc.): <u>terrace</u>		Local relie	f (concave, c	convex, none): concav	<u>e</u> :	Slope (%):	<1
Subregion (LRR): C	_ Lat: 39.	721		Long: <u>-121.787</u>	D	atum: NAE	283
Soil Map Unit Name: WaFap-Hamslough Complex, 0 to	2 Percen	t Slopes		NWI classific	cation: VP		
Are climatic / hydrologic conditions on the site typical for this	time of yea	ar? Yes	<b>√</b> No _	(If no, explain in F	Remarks.)		
Are Vegetation, Soil, or Hydrologysi	ignificantly :	disturbed?	Are "	Normal Circumstances"	present? Yes	✓ No	o
Are Vegetation, Soil, or Hydrology na				eded, explain any answe			
SUMMARY OF FINDINGS – Attach site map s							s, etc.
Hydrophytic Vegetation Present? Yes <u>✓</u> No		le th	ne Sampled	Δτοα			
Hydric Soil Present? Yes No			nin a Wetlan		′ No		
Wetland Hydrology Present? Yes   ✓ No	)						
Remarks:							
VEGETATION – Use scientific names of plant	ts.						
		Dominant		Dominance Test work	ksheet:		
	% Cover	•		Number of Dominant S			
1				That Are OBL, FACW,	or FAC:	2	(A)
2				Total Number of Domir		2	(D)
3				Species Across All Stra	ata:	2	(B)
7.	0			Percent of Dominant S That Are OBL, FACW,		100	(A/D)
Sapling/Shrub Stratum (Plot size:)		. Foral of					(A/D)
1		-		Prevalence Index wor			
2				Total % Cover of:			
3				OBL species			
4				FACW species FAC species			
5	0			FACU species			_
Herb Stratum (Plot size:)		_ = 10ta1 Ct	7701	UPL species			_
1. Festuca Perennis		Yes	FAC	Column Totals: 0			_ _ (B)
2. Eleocharis macrostachya		Yes	OBL		5.4	NI - NI	
3. <u>Hordeum marinum</u>		No	<u>FAC</u>	Prevalence Index			
4				Hydrophytic Vegetation ✓ Dominance Test is			
5				Prevalence Index			
6				Morphological Ada		ide support	tina
8				data in Remark	ks or on a separ	ate sheet)	
		= Total Co	over	Problematic Hydro	ophytic Vegetati	on¹ (Explai	n)
Woody Vine Stratum (Plot size:)		-		1			
1				<sup>1</sup> Indicators of hydric so be present, unless dist			nust
2				•			
	0			Hydrophytic Vegetation	,		
% Bare Ground in Herb Stratum 25	of Biotic Cr	rust		Present? Ye	es <u>√</u> No		
Remarks:							

SOIL Sampling Point: 8a

	ription: (Describe	to the dep				or confirm	n the absence	e of indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	ox Feature %	s Type <sup>1</sup>	_Loc <sup>2</sup>	Texture	Remarks
	-							Kellidiks
1-6	10YR 3/2	_ 95	2.5YR 3/6	5		<u>PL</u>	clay/silt	·
								<del></del>
							-	·
								- <u></u>
							-	
1 <sub>Typo: C-C</sub>	oncentration, D=Dep	- ——— Notion PM-	- Poducod Matrix C	S-Covere	d or Coate	d Sand Gr	rains <sup>2</sup> Lo	ocation: PL=Pore Lining, M=Matrix.
	Indicators: (Applic					a Sana Gi		s for Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Red		,			Muck (A9) (LRR C)
	pipedon (A2)		Stripped M					Muck (A10) (LRR B)
Black Hi			Loamy Mu	cky Minera	al (F1)			ced Vertic (F18)
	n Sulfide (A4)		Loamy Gle		(F2)			Parent Material (TF2)
	Layers (A5) (LRR	C)	Depleted M				Other	r (Explain in Remarks)
	ick (A9) (LRR D)	o (A11)	✓ Redox Dar					
	d Below Dark Surfac ark Surface (A12)	.e (A11)	Depleted D Redox Dep				3Indicators	s of hydrophytic vegetation and
	lucky Mineral (S1)		Vernal Poo		1 0)			d hydrology must be present,
-	ileyed Matrix (S4)			(* *)				disturbed or problematic.
Restrictive I	_ayer (if present):							
Туре:								
Depth (inc	ches):						Hydric So	il Present? Yes <u>√</u> No
Remarks:							- I	
dark curf	ace/veg .5"							
	. •							
2% black	spors							
HYDROLO	GY							
	drology Indicators:	<del> </del>						
-	cators (minimum of c		to chack all that ann	lv)			Sacc	ondary Indicators (2 or more required)
	Water (A1)	<u>Jile required</u>	<u>s, crieck all triat app</u> Salt Crust	-				
	iter Table (A2)		Salt Crush	, ,				Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> )
Saturatio			Aquatic Ir		s (B13)			Drift Deposits (B3) (Riverine)
· · · · · · · · · · · · · · · · · · ·	arks (B1) ( <b>Nonriver</b>	rine)	Hydrogen					Drainage Patterns (B10)
· · · · · · · · · · · · · · · · · · ·	nt Deposits (B2) ( <b>No</b>					Livina Roc	· · · · · · · · · · · · · · · · · · ·	Dry-Season Water Table (C2)
	oosits (B3) (Nonrive		Presence		_	-		Crayfish Burrows (C8)
	Soil Cracks (B6)	,	Recent Iro				· · · · · · · · · · · · · · · · · · ·	Saturation Visible on Aerial Imagery (C9)
	on Visible on Aerial	Imagery (B		k Surface				Shallow Aquitard (D3)
Water-S	tained Leaves (B9)			plain in Re			_	FAC-Neutral Test (D5)
Field Observ	vations:							
Surface Wate	er Present? Y	′es 1	No <u>√</u> Depth (ir	nches):				
Water Table	Present? Y	/es 1	No <u>√</u> Depth (ir	nches):				
Saturation Pr		′es <u>√</u> 1	No Depth (ir	nches): 2		Wetla	and Hydrolog	gy Present? Yes No
Describe Rec	corded Data (stream	n gauge, mc	nitoring well, aerial	photos, pr	evious ins	pections),	if available:	
Remarks:								
water fille	ed fast in hole							
water fill	a last III HOIC							

Project/Site: Stonegate Property	(	City/County	y: <u>Chico/ B</u>	utte	_ Sampling Date: _	02/23/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	_ Sampling Point: _	9a
Investigator(s): Meredith Branstad, Marisa Brilts	:	Section, To	ownship, Raı	nge: <u>Sections 31 &amp; 32</u>	, Township 22No	orth, Range 2E
Landform (hillslope, terrace, etc.): <u>terrace</u>		Local relie	f (concave, o	convex, none): concav	e Slop	pe (%):
Subregion (LRR): C	Lat: 39.	719		_ Long: <u>-121.786</u>	Datui	m: NAD83
Soil Map Unit Name: Redtough-Redswale Complex, 0 t	o 2 Percer	nt Slopes		NWI classifi	cation: VP	
Are climatic / hydrologic conditions on the site typical for this	s time of yea	ar? Yes _	<b>√</b> No _	(If no, explain in F	Remarks.)	
Are Vegetation, Soil, or Hydrologysi	ignificantly i	disturbed?	Are "	"Normal Circumstances"	present? Yes✓	/ No
Are Vegetation, Soil, or Hydrologyn				eeded, explain any answe		
SUMMARY OF FINDINGS – Attach site map s						atures, etc.
Hydrophytic Vegetation Present? Yes <u>✓</u> No	0	le ti	he Sampled	I Aroa		
Hydric Soil Present? Yes <u>✓</u> No	0		hin a Wetlan		′ No	
Wetland Hydrology Present? Yes <u>✓</u> No	0		iii a wetiai	103		
Remarks:						
VEGETATION – Use scientific names of plant	ts.					
		Dominan	t Indicator	Dominance Test work	ksheet:	
	% Cover			Number of Dominant S		
1				That Are OBL, FACW,	or FAC:1	(A)
2				Total Number of Domir		
3				Species Across All Stra	ata: <u>1</u>	(B)
4	0			Percent of Dominant S		)(A/D)
Sapling/Shrub Stratum (Plot size:)		_ Total of	3401	That Are OBL, FACW,	or FAC: 10	<u>U</u> (A/B)
1				Prevalence Index wor		
2				Total % Cover of:		
3				OBL species		
4				FACW species FAC species		
5	0			FACU species		
Herb Stratum (Plot size:)		= TOTAL C	Jvei	UPL species		
1. Eleocharis macrostachya	82	Yes	OBL	Column Totals: (		
2. Blennosperma nanum		No	FACW			
3. <u>Hordeum marinum</u>		No	FAC		x = B/A = <u>Na</u>	<u>aN</u>
4. <u>Trifolium sp.</u>		<u>No</u>	<u>UPL</u>	Hydrophytic Vegetati		
5				<ul><li>✓ Dominance Test is</li><li>✓ Prevalence Index</li></ul>		
6				Morphological Ada		supporting
7			-	data in Remark	s or on a separate	sheet)
8		= Total Co	ovor	Problematic Hydro	ophytic Vegetation <sup>1</sup>	(Explain)
Woody Vine Stratum (Plot size:)	100	_ Total Ci	JVCI			
1		-		<sup>1</sup> Indicators of hydric so be present, unless dist		
2				'		IIC.
	0	= Total C	over	Hydrophytic Vegetation		
% Bare Ground in Herb Stratum	of Biotic Cr	rust		Present? Ye	es_ <b>√</b> No	
Remarks:				<u></u>		
photo 21						

SOIL Sampling Point: 9a

Profile Desc	ription: (Describ	e to the de	pth needed to docu	ment the	indicato	or confirn	n the absence	e of indicators.)
Depth (inches)	Color (moist)	%	Color (moist)	ox Feature %	es Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	7.5YR 3/2	 95	2.5YR 3/6		C	PL	clay	Kemarks
0-0	7.5TK 3/2		2.51K 3/0		<u> </u>	_ <u> </u>	Clay	
			-	_				· <del></del>
					-			·
				_		_		
					-			
1 <sub>Typo: C-Co</sub>	ncontration D_Dc	nlotion DA	1-Poducod Matrix C	S-Covere	d or Coat	od Sand Ci	rains <sup>2</sup> Lo	ocation: DL -Dara Lining M-Matrix
			1=Reduced Matrix, C I LRRs, unless othe			eu Sanu Gi		s for Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Red		,			Muck (A9) (LRR C)
	pipedon (A2)		Stripped M					Muck (A10) (LRR B)
Black Hi			Loamy Mu	cky Minera			Redu	ced Vertic (F18)
	n Sulfide (A4)		Loamy Gle		(F2)		·	Parent Material (TF2)
	Layers (A5) (LRR	? C)	Depleted N		(E ()		Other	(Explain in Remarks)
	ick (A9) ( <b>LRR D</b> ) d Below Dark Surfa	oco (A11)	✓ Redox Dar Depleted D					
	ark Surface (A12)	ice (ATT)	Redox Dep				3Indicator	s of hydrophytic vegetation and
	lucky Mineral (S1)		Vernal Poo		,			hydrology must be present,
	leyed Matrix (S4)						unless	disturbed or problematic.
	_ayer (if present):							
Type: <u>ha</u>								
Depth (inc	ches): <u>6</u>						Hydric So	il Present? Yes No
Remarks:								
very cobb	nlv							
very cobb	, i y							
HYDROLO	GY							
Wetland Hyd	drology Indicators	S:						
_			ed; check all that app	oly)			Seco	ondary Indicators (2 or more required)
-	Water (A1)	•	Salt Crus	-				Water Marks (B1) (Riverine)
	iter Table (A2)		Biotic Cru					Sediment Deposits (B2) (Riverine)
Saturatio			Aquatic II		es (B13)			Drift Deposits (B3) (Riverine)
Water M	arks (B1) ( <b>Nonriv</b> e	erine)	Hydroger	n Sulfide O	dor (C1)		✓	Drainage Patterns (B10)
Sedimer	nt Deposits (B2) ( <b>N</b>	onriverine)	Oxidized	Rhizosphe	eres alonç	g Living Roo	ots (C3)	Dry-Season Water Table (C2)
Drift Dep	oosits (B3) ( <b>Nonriv</b>	erine)	<del></del>	of Reduce			·	Crayfish Burrows (C8)
	Soil Cracks (B6)		<del></del>			ed Soils (C	· —	Saturation Visible on Aerial Imagery (C9)
' <del></del> '	on Visible on Aeria	0 , .	· —	k Surface				Shallow Aquitard (D3)
	tained Leaves (B9)	)	✓ Other (E)	plain in Re	emarks)			FAC-Neutral Test (D5)
Field Observ			/ "					
Surface Water			No <u>✓</u> Depth (ii					
Water Table			No <u>✓</u> Depth (ii					
Saturation Pr (includes cap		Yes	No <u>✓</u> Depth (ii	nches):		WetI	land Hydrolog	gy Present? Yes✓ No
		m gauge, m	nonitoring well, aerial	photos, pi	revious in	spections),	if available:	
Remarks:								
matted ve	ρg							
	-0							

Project/Site: Stonegate Property		City/Cou	unty: <u>Chico/ B</u>	utte	_ Sampling [	)ate: <u>02/</u>	23/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	_ Sampling F	oint:	9b
Investigator(s): Meredith Branstad, Marisa Brilts		Section	, Township, Ra	nge: <u>Sections 31 &amp; 3</u>	2, Township	22North,	Range 2E
Landform (hillslope, terrace, etc.): terrace		Local re	elief (concave,	convex, none): conve	Х	_ Slope (%	ó):
Subregion (LRR): C	Lat: 39.	719		_ Long: <u>-121.786</u>		Datum: N	AD83
Soil Map Unit Name: Redtough-Redswale Complex, C	to 2 Perce	nt Slop	es	NWI classi	fication: UPL		
Are climatic / hydrologic conditions on the site typical for the	nis time of yea	ar? Yes	s_ <b>√</b> _ No_	(If no, explain in	Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly	disturbe	ed? Are	"Normal Circumstances	" present? Ye	es 🗸	No
Are Vegetation, Soil, or Hydrology	naturally pro	blematio	c? (If ne	eeded, explain any ansv	vers in Remarl	ks.)	
SUMMARY OF FINDINGS – Attach site map	showing	samp	oling point l	ocations, transec	ts, importa	nt featur	es, etc.
Hydrophytic Vegetation Present? Yes <u>√</u>		l:	s the Sampled	I Area			
Hydric Soil Present? Yes			vithin a Wetla		No	✓	
Wetland Hydrology Present? Yes  Remarks:	No <u> </u>			<u> </u>			
Remarks.							
VEGETATION – Use scientific names of pla	nts.						
		Domin	nant Indicator	Dominance Test wo	rksheet:		
Tree Stratum (Plot size:)			es? Status	Number of Dominant			
1				That Are OBL, FACW	/, or FAC:	2	_ (A)
2				Total Number of Dom		2	
3				Species Across All St	irata:	2	(B)
4	0			Percent of Dominant		100	(A /D)
Sapling/Shrub Stratum (Plot size:)		10tai	i Covci	That Are OBL, FACW	/, or FAC:	100	_ (A/B)
1				Prevalence Index w			
2				Total % Cover of			
3				OBL species			
4				FACW species FAC species			
5		Total	L Cover	FAC species			
Herb Stratum (Plot size:)		_ = 10(a)	i Covei	UPL species			
1. Eleocharis macrostachya	35	Yes	OBL	Column Totals:			(B)
2. Hordeum marinum	25	Yes	FAC				` ′
3. Hordeum murinum	15	No	<u>FACU</u>	Prevalence Inde			
4. <u>Avena fatua</u>		No	UPL	Hydrophytic Vegeta		s:	
5. Senecio vulgaris		No	UPL	✓ Dominance Test			
6. Centaurea solstitialis		No No	UPL	Prevalence Index Morphological Ad		rovido supr	orting
7. <u>Leontodon saxatilis</u>		<u>No</u>	<u>UPL</u>	data in Rema	rks or on a sep	parate shee	et)
8		= Total	L Covor	Problematic Hyd	rophytic Veget	ation <sup>1</sup> (Exp	olain)
Woody Vine Stratum (Plot size:)		_ = 10tai	i Covei				
1				<sup>1</sup> Indicators of hydric s			y must
2				be present, unless di	sturbed or proi	——————————————————————————————————————	
	0	_ = Total	l Cover	Hydrophytic Vegetation			
% Bare Ground in Herb Stratum 0	er of Biotic C	rust		Present?	∕es <u>√</u>	No	<u>.</u>
Remarks:				I			

SOIL Sampling Point: 9b

(inches) 1-4			Redox Features	1 2	_	
1-4	Color (moist)	%	Color (moist) % Type	Loc <sup>2</sup>	<u>Texture</u>	Remarks
	7.5YR 3/3	_ 100			Clay	
	-					
	-					
1Type: C-C	oncentration D-De	nletion PM-P	educed Matrix, CS=Covered or Coa	— ——— ated Sand Gr	rains <sup>2</sup> Locatio	on: PL=Pore Lining, M=Matrix.
			RRs, unless otherwise noted.)	atea Sana Gi		Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Redox (S5)			k (A9) ( <b>LRR C</b> )
	pipedon (A2)		Stripped Matrix (S6)			k (A10) ( <b>LRR B</b> )
	istic (A3)		Loamy Mucky Mineral (F1)			Vertic (F18)
Hydroge	en Sulfide (A4)		Loamy Gleyed Matrix (F2)		Red Parei	nt Material (TF2)
Stratifie	d Layers (A5) ( <b>LRR</b>	C)	Depleted Matrix (F3)		Other (Ex	plain in Remarks)
1 cm Mı	uck (A9) ( <b>LRR D</b> )		Redox Dark Surface (F6)			
Deplete	d Below Dark Surfa	ce (A11)	Depleted Dark Surface (F7)			
Thick D	ark Surface (A12)		Redox Depressions (F8)			nydrophytic vegetation and
_	Mucky Mineral (S1)		Vernal Pools (F9)		-	rology must be present,
	Gleyed Matrix (S4)				unless distu	rbed or problematic.
Restrictive	Layer (if present):					
- · · · · · · · · · · · · · · · · · · ·						
Depth (in	ches):		<u> </u>		Hydric Soil Pre	esent? Yes No
Remarks:						
na radav						
no redox						
photo 20						
HYDROLO	ic.					
IIDROLO						
Wotland Hy						
-			shock all that apply)		Cocondo	ay Indicators (2 or more required)
Primary Indi	cators (minimum of		check all that apply)			ry Indicators (2 or more required)
Primary Indi	cators (minimum of Water (A1)		Salt Crust (B11)		Wate	er Marks (B1) ( <b>Riverine</b> )
Primary India Surface High Wa	cators (minimum of Water (A1) ater Table (A2)		Salt Crust (B11) Biotic Crust (B12)		Wate	er Marks (B1) ( <b>Riverine</b> ) ment Deposits (B2) ( <b>Riverine</b> )
Primary India Surface High Wa Saturati	cators (minimum of Water (A1) ater Table (A2) on (A3)	one required; c	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)		Wate Sedii Drift	er Marks (B1) ( <b>Riverine</b> ) ment Deposits (B2) ( <b>Riverine</b> ) Deposits (B3) ( <b>Riverine</b> )
Primary India Surface High Wa Saturati Water M	cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive	one required; c	<ul><li>Salt Crust (B11)</li><li>Biotic Crust (B12)</li><li>Aquatic Invertebrates (B13)</li><li>Hydrogen Sulfide Odor (C1)</li></ul>	)	Wate Sedii Drift Drair	er Marks (B1) ( <b>Riverine</b> ) ment Deposits (B2) ( <b>Riverine</b> ) Deposits (B3) ( <b>Riverine</b> ) nage Patterns (B10)
Primary India Surface High Wa Saturati Water M	cators (minimum of Water (A1) ater Table (A2) on (A3)	one required; c	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres alor</li> </ul>	) ng Living Roc	Wate Sedil Drift Drair ots (C3) Dry-s	er Marks (B1) ( <b>Riverine</b> ) ment Deposits (B2) ( <b>Riverine</b> ) Deposits (B3) ( <b>Riverine</b> ) nage Patterns (B10) Season Water Table (C2)
Primary India Surface High Wa Saturati Water M	cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive	one required; o rine) onriverine)	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres alor</li> <li>Presence of Reduced Iron (</li> </ul>	) ng Living Roc (C4)	Wate Sedii Drift Drair ots (C3) Dry-5	er Marks (B1) ( <b>Riverine</b> ) ment Deposits (B2) ( <b>Riverine</b> ) Deposits (B3) ( <b>Riverine</b> ) nage Patterns (B10)
Primary India Surface High Wa Saturati Water M Sedime Drift De	cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (No	one required; o rine) onriverine)	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres alor</li> </ul>	) ng Living Roc (C4)	Wate Sedii Drift Drair ots (C3) Dry-5	er Marks (B1) ( <b>Riverine</b> ) ment Deposits (B2) ( <b>Riverine</b> ) Deposits (B3) ( <b>Riverine</b> ) nage Patterns (B10) Season Water Table (C2)
Primary India Surface High Wa Saturati Water M Sedime Drift De Surface	cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (No posits (B3) (Nonrive	one required; o rine) onriverine) erine)	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres alor</li> <li>Presence of Reduced Iron (</li> </ul>	) ng Living Roc (C4)	Wate Sedii Drift Drair ots (C3) Cray Cray Satu	er Marks (B1) ( <b>Riverine</b> ) ment Deposits (B2) ( <b>Riverine</b> ) Deposits (B3) ( <b>Riverine</b> ) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8)
Surface High Wa Saturati Water M Sedime Drift De Surface	cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6)	one required; or rine) onriverine) erine) Imagery (B7)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alor Presence of Reduced Iron ( Recent Iron Reduction in Ti	) ng Living Roc (C4) Iled Soils (C6	Wate   Sedin   Sedin   Drift   Drain   Drain   Cray   Cray   Satur   Shall	er Marks (B1) ( <b>Riverine</b> ) ment Deposits (B2) ( <b>Riverine</b> ) Deposits (B3) ( <b>Riverine</b> ) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9)
Primary India Surface High Wa Saturati Water M Sedime Drift De Surface Inundati	cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (Noposits (B3) (Nonrive Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9)	one required; or rine) onriverine) erine) Imagery (B7)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alor Presence of Reduced Iron ( Recent Iron Reduction in Ti Thin Muck Surface (C7)	) ng Living Roc (C4) Iled Soils (C6	Wate   Sedin   Sedin   Drift   Drain   Drain   Cray   Cray   Satur   Shall	er Marks (B1) ( <b>Riverine</b> ) ment Deposits (B2) ( <b>Riverine</b> ) Deposits (B3) ( <b>Riverine</b> ) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9)
Primary India Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S	cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) vations:	one required; o rine) onriverine) erine) Imagery (B7)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alor Presence of Reduced Iron ( Recent Iron Reduction in Ti Thin Muck Surface (C7) Other (Explain in Remarks)	) ng Living Roc (C4) Iled Soils (C6	Wate   Sedin   Sedin   Drift   Drain   Drain   Cray   Cray   Satur   Shall	er Marks (B1) ( <b>Riverine</b> ) ment Deposits (B2) ( <b>Riverine</b> ) Deposits (B3) ( <b>Riverine</b> ) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9)
Primary India Surface High Wa Saturati Water N Sedime Drift De Surface Inundati Water-S Field Obser	cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (Nonrive Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) vations:	one required; contine) conriverine) erine) Imagery (B7) Yes No	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alor Presence of Reduced Iron ( Recent Iron Reduction in Ti Thin Muck Surface (C7) Other (Explain in Remarks)	) ng Living Roc (C4) Iled Soils (C6	Wate   Sedin   Sedin   Drift   Drain   Drain   Cray   Cray   Satur   Shall	er Marks (B1) ( <b>Riverine</b> ) ment Deposits (B2) ( <b>Riverine</b> ) Deposits (B3) ( <b>Riverine</b> ) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9)
Primary India Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table	cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (Nonrive Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) vations:  ter Present?  Present?	one required; contine) porriverine) erine) Imagery (B7) Yes No	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alor Presence of Reduced Iron ( Recent Iron Reduction in Ti Thin Muck Surface (C7) Other (Explain in Remarks)	) ng Living Roo (C4) Iled Soils (C6	Wate Sedii Drift Drair ots (C3) Cray Cray Satui Shall FAC-	er Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ow Aquitard (D3) Neutral Test (D5)
Primary India Surface High Wa Saturati Water N Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca	cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6) ion Visible on Aerial stained Leaves (B9) rvations: are Present? Present? pillary fringe)	one required; one required; one required; one required; one remains one required; one remains one required; one re	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alor Presence of Reduced Iron ( Recent Iron Reduction in Ti Thin Muck Surface (C7) Other (Explain in Remarks)  ✓ Depth (inches): ✓ Depth (inches):	ng Living Roc (C4) Iled Soils (C6	Wate Sedin Drift Drain Ots (C3) Cray Satu Shall FAC	er Marks (B1) ( <b>Riverine</b> ) ment Deposits (B2) ( <b>Riverine</b> ) Deposits (B3) ( <b>Riverine</b> ) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9)
Primary India Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca	cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6) ion Visible on Aerial stained Leaves (B9) rvations: are Present? Present? pillary fringe)	one required; one required; one required; one required; one remains one required; one remains one required; one re	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alor Presence of Reduced Iron ( Recent Iron Reduction in Ti Thin Muck Surface (C7) Other (Explain in Remarks)	ng Living Roc (C4) Iled Soils (C6	Wate Sedin Drift Drain Ots (C3) Cray Satu Shall FAC	er Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ow Aquitard (D3) Neutral Test (D5)
Primary India Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca	cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6) ion Visible on Aerial stained Leaves (B9) rvations: are Present? Present? pillary fringe)	one required; one required; one required; one required; one remains one required; one remains one required; one re	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alor Presence of Reduced Iron ( Recent Iron Reduction in Ti Thin Muck Surface (C7) Other (Explain in Remarks)  ✓ Depth (inches): ✓ Depth (inches):	ng Living Roc (C4) Iled Soils (C6	Wate Sedin Drift Drain Ots (C3) Cray Satu Shall FAC	er Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ow Aquitard (D3) Neutral Test (D5)
Primary India Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca	cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6) ion Visible on Aerial stained Leaves (B9) rvations: are Present? Present? pillary fringe)	one required; one required; one required; one required; one remains one required; one remains one required; one re	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alor Presence of Reduced Iron ( Recent Iron Reduction in Ti Thin Muck Surface (C7) Other (Explain in Remarks)  ✓ Depth (inches): ✓ Depth (inches):	ng Living Roc (C4) Iled Soils (C6	Wate Sedin Drift Drain Ots (C3) Cray Satu Shall FAC	er Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ow Aquitard (D3) Neutral Test (D5)
Primary India Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca) Describe Re	cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6) ion Visible on Aerial stained Leaves (B9) rvations: are Present? Present? pillary fringe)	one required; one required; one required; one required; one remains one required; one remains one required; one re	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alor Presence of Reduced Iron ( Recent Iron Reduction in Ti Thin Muck Surface (C7) Other (Explain in Remarks)  ✓ Depth (inches): ✓ Depth (inches):	ng Living Roc (C4) Iled Soils (C6	Wate Sedin Drift Drain Ots (C3) Cray Satu Shall FAC	er Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ow Aquitard (D3) Neutral Test (D5)
Primary India Surface High Wa Saturati Water N Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes cal	cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6) ion Visible on Aerial stained Leaves (B9) rvations: are Present? Present? pillary fringe)	one required; one required; one required; one required; one remains one required; one remains one required; one re	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alor Presence of Reduced Iron ( Recent Iron Reduction in Ti Thin Muck Surface (C7) Other (Explain in Remarks)  ✓ Depth (inches): ✓ Depth (inches):	ng Living Roc (C4) Iled Soils (C6	Wate Sedin Drift Drain Ots (C3) Cray Satu Shall FAC	er Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ow Aquitard (D3) Neutral Test (D5)
Primary India Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca) Describe Re	cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6) ion Visible on Aerial stained Leaves (B9) rvations: are Present? Present? pillary fringe)	one required; one required; one required; one required; one remains one required; one remains one required; one re	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alor Presence of Reduced Iron ( Recent Iron Reduction in Ti Thin Muck Surface (C7) Other (Explain in Remarks)  ✓ Depth (inches): ✓ Depth (inches):	ng Living Roc (C4) Iled Soils (C6	Wate Sedin Drift Drain Ots (C3) Cray Satu Shall FAC	er Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ow Aquitard (D3) Neutral Test (D5)

Project/Site: Stonegate Property		City/Cour	nty: <u>Chico/ B</u>	utte	Sampling D	ate: <u>02/2</u>	3/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	Sampling P	oint:	10b
Investigator(s): Meredith Branstad, Marisa Brilts		Section,	Township, Ra	nge: <b>Sections 31 &amp; 3</b>	2, Township 2	22North, R	lange 2E
Landform (hillslope, terrace, etc.): terrace		Local rel	lief (concave,	convex, none): conca	ıve	Slope (%)	:
Subregion (LRR): C	Lat: <u>39.</u>	721		_ Long: <u>-121.785</u>		Datum: NA	\D83
Soil Map Unit Name: Redtough-Redswale Complex, 0	to 2 Perce	nt Slope	es	NWI class	ification: UPL		
Are climatic / hydrologic conditions on the site typical for th	is time of year	ar? Yes	_ <b>√</b> _ No_	(If no, explain ir	ı Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly	disturbed	d? Are	"Normal Circumstances	" present? Ye	s_ <b>√</b> _ N	10
Are Vegetation, Soil, or Hydrology	naturally pro	blematic	? (If ne	eeded, explain any ansv	wers in Remark	s.)	
SUMMARY OF FINDINGS – Attach site map	showing	sampl	ling point l	ocations, transec	ts, importar	nt feature	es, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:  Yes   Yes   Yes   Remarks:			the Sampled		No	✓_	
VEGETATION – Use scientific names of plan  Tree Stratum (Plot size:)	Absolute % Cover	Species	ant Indicator s? Status	Dominance Test wo	Species	2	(0)
1				That Are OBL, FACV	V, or FAC:	2	_ (A)
3.				Total Number of Don Species Across All S		2	(B)
4.							. (-)
Continue/Observe Observes /Distrator	0	= Total	Cover	Percent of Dominant That Are OBL, FACV		100	(A/B)
Sapling/Shrub Stratum (Plot size:)  1				Prevalence Index w	orksheet:		
2.				Total % Cover o		lultiply by:	
3.				OBL species			
4.				FACW species			
5.				FAC species			
	0	= Total	Cover	FACU species	x 4 =	0	
Herb Stratum (Plot size:)				UPL species	x 5 =	0	
1. Eleocharis macrostachya		Yes	<u>OBL</u>	Column Totals:	<u>0</u> (A)	0	(B)
2. Festuca perennis			<u>FAC</u>	Prevalence Ind	ov D/A	NaN	
3. Hordeum marinum			<u>FAC</u>	Hydrophytic Vegeta			
4				✓ Dominance Test		o.	
5				Prevalence Inde			
6				Morphological A		ovide sunno	rtina
7				data in Rema	irks or on a sep	arate sheet)	)
8		= Total	Cover	Problematic Hyd	rophytic Vegeta	ation <sup>1</sup> (Expla	ain)
Woody Vine Stratum (Plot size:)		_ = 10tar	Covei				
1				<sup>1</sup> Indicators of hydric s be present, unless di			must
2	0			Hydrophytic			
% Bare Ground in Herb Stratum % Cove				Vegetation	Yes <u>√</u> N	lo	
Remarks:	or Diotic C	. 431		i resent:	103 <u>*</u> I		
INGITIALNS.							

SOIL Sampling Point: 10b

Profile Desc	ription: (Describe	to the dept	h needed to docun	nent the	indicator	or confirr	m the absence	e of indicators.)
Depth	Matrix			x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-6	7.5YR 2.5/3	98		2	С	М	silt/clay	soft masses, no mottles
					-			
-					-			
	-							·
				-		. ——		
	-							
1							. 2.	
			Reduced Matrix, CS			ed Sand G		ocation: PL=Pore Lining, M=Matrix.
-		cable to all I	_RRs, unless other		iea.)			s for Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Redo					Muck (A9) (LRR C)
	pipedon (A2)		Stripped Ma					Muck (A10) (LRR B)
Black His			Loamy Muc					ced Vertic (F18)
	n Sulfide (A4)		Loamy Gley		(F2)			Parent Material (TF2)
	l Layers (A5) ( <b>LRR</b>	C)	Depleted Ma				Other	(Explain in Remarks)
	ck (A9) ( <b>LRR D</b> )		Redox Dark					
•	Below Dark Surfac	ce (A11)	Depleted Da				3	
	rk Surface (A12)		Redox Depr		(F8)			s of hydrophytic vegetation and
	lucky Mineral (S1)		Vernal Pool	s (F9)				hydrology must be present,
	leyed Matrix (S4)						unless	disturbed or problematic.
Restrictive L	_ayer (if present):							
Туре:								
Depth (inc	ches):						Hydric Soi	I Present? Yes No _✓
Remarks:							· ·	
HYDROLO(	GY							
Wetland Hyd	drology Indicators							
Primary Indic	ators (minimum of	one required	; check all that apply	y)			Seco	endary Indicators (2 or more required)
Surface	Water (A1)		Salt Crust	(B11)			\	Water Marks (B1) (Riverine)
	ter Table (A2)		Biotic Crus					Sediment Deposits (B2) (Riverine)
✓ Saturatio			Aquatic Inv		es (B13)			Orift Deposits (B3) ( <b>Riverine</b> )
	arks (B1) ( <b>Nonrive</b> i	rino)	Hydrogen					Orainage Patterns (B10)
	nt Deposits (B2) ( <b>No</b>	•				Living Do		Dry-Season Water Table (C2)
		•	Presence	-	_	_		- I
	oosits (B3) ( <b>Nonrive</b>	:iiie)						Crayfish Burrows (C8)
	Soil Cracks (B6)	. (D.	Recent Iro			:a Solis (C		Saturation Visible on Aerial Imagery (C9)
	on Visible on Aerial	Imagery (B)					·	Shallow Aquitard (D3)
	tained Leaves (B9)		Other (Exp	lain in R	emarks)			FAC-Neutral Test (D5)
Field Observ								
Surface Water		· · · · · · · · · · · · · · · · · · ·	lo <u>√</u> Depth (ind	-				
Water Table	Present?	/es N	No 🚺 Depth (ind	ches):				
Saturation Pr	resent?	∕es <u>√</u> N	No Depth (inc	ches): <u>1</u>		Wetl	land Hydrolog	gy Present? Yes <u>√</u> No
(includes cap							16 11 11	
Describe Red	corded Data (strean	n gauge, mo	nitoring well, aerial p	ohotos, p	revious ins	spections),	, if available:	
Remarks:								

Project/Site: Stonegate Property		City/Cour	nty: <u>Chico/ B</u>	utte	Sampling D	ate: 02/2	3/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	Sampling P	oint:	11b
Investigator(s): Meredith Branstad, Marisa Brilts		Section,	Township, Ra	nge: <u>Sections 31 &amp; 3</u>	2, Township 2	22North, R	lange 2E
Landform (hillslope, terrace, etc.): terrace		Local rel	ief (concave,	convex, none): conca	ıve	Slope (%)	:
Subregion (LRR): C	Lat: <u>39.</u>	720		_ Long: <u>-121.785</u>		Datum: NA	\D83
Soil Map Unit Name: Redtough-Redswale Complex, 0	to 2 Perce	nt Slope	S	NWI class	ification: UPL		
Are climatic / hydrologic conditions on the site typical for th	is time of year	ar? Yes	<b>√</b> No_	(If no, explain ir	ı Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly	disturbed	l? Are	'Normal Circumstances	" present? Ye	s_ <b>√</b> _ N	10
Are Vegetation, Soil, or Hydrology	naturally pro	blematic1	? (If ne	eeded, explain any ansv	wers in Remark	s.)	
SUMMARY OF FINDINGS – Attach site map	showing	sampl	ing point l	ocations, transec	ts, importar	nt feature	es, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:  Yes ✓  Yes ✓  Remarks:			the Sampled		No	<u>√</u>	
VEGETATION – Use scientific names of plan  Tree Stratum (Plot size:)	Absolute % Cover	Species	int Indicator 6? Status	Dominance Test wo	Species	2	(4)
1				That Are OBL, FACV			_ (A)
3.				Total Number of Don Species Across All S		2	(B)
4				Percent of Dominant			,
Conding/Charle Charles / Diet eine	0	_ = Total (	Cover	That Are OBL, FACV		100	(A/B)
Sapling/Shrub Stratum (Plot size:)  1				Prevalence Index w	orksheet:		
2.				Total % Cover o		lultiply by:	
3.				OBL species			
4.				FACW species			
5.				FAC species			
	0	_ = Total (	Cover	FACU species	x 4 =	0	
Herb Stratum (Plot size:)				UPL species	x 5 =	0	
1. Eleocharis macrostachya		Yes	OBL	Column Totals:	0 (A)	0	(B)
2. Festuca perennis		Yes	<u>FAC</u>	Decorded to the	D/A	NaN	
3. Hordeum marinum			<u>FAC</u>		ex = B/A =		
4. <u>Hordeum murinum</u>			<u>FACU</u>	Hydrophytic Vegeta		s:	
5				<ul><li>✓ Dominance Test</li><li>✓ Prevalence Inde</li></ul>			
6				Morphological A		ovido cuppo	ortina
7				data in Rema	irks or on a sep	arate sheet)	)
8				Problematic Hyd	rophytic Vegeta	ation¹ (Expla	ain)
Woody Vine Stratum (Plot size:)		_ = Total (	Cover				
1.				<sup>1</sup> Indicators of hydric s be present, unless di			must
2	0			Hydrophytic			
0/ Para Craund in Horb Stratum				Vegetation	Vac	do.	
% Bare Ground in Herb Stratum % Cove	et of Riotic C	rust		Present?	Yes <u>√</u> N	10	
Remarks:							

SOIL Sampling Point: 11b

Depth	Matrix			x Feature:	5			
(inches)	Color (moist)	%	Color (moist)	%	Type'	Loc <sup>2</sup>	<u>Texture</u>	Remarks
1-6	7.5YR 2.5/2	100					silt/clay	
			_	<u> </u>				
							-	
<sup>1</sup> Type: C=C	oncentration, D=De	pletion, RM	=Reduced Matrix, CS	S=Covered	d or Coate	d Sand G	rains. <sup>2</sup> Loca	ation: PL=Pore Lining, M=Matrix.
			LRRs, unless othe					for Problematic Hydric Soils <sup>3</sup> :
Histoso	I (A1)		Sandy Red	ox (S5)			1 cm M	uck (A9) ( <b>LRR C</b> )
Histic E	pipedon (A2)		Stripped Ma					uck (A10) ( <b>LRR B</b> )
Black H	istic (A3)		Loamy Mud	ky Minera	l (F1)		Reduce	ed Vertic (F18)
	en Sulfide (A4)		Loamy Gley		(F2)			rent Material (TF2)
	d Layers (A5) ( <b>LRR</b>	C)	Depleted M				Other (I	Explain in Remarks)
	uck (A9) ( <b>LRR D</b> )	4	Redox Darl					
	d Below Dark Surfa	ce (A11)	Depleted D				31	. Charles also the constaller and
	ark Surface (A12)		Redox Dep Vernal Poo		-8)			of hydrophytic vegetation and nydrology must be present,
	Mucky Mineral (S1) Gleyed Matrix (S4)		vernai Poo	IS (F9)				sturbed or problematic.
_	Layer (if present):						unicss un	starbed or problematic.
	<b></b> ( <b>p</b> . eee).							
J	iches):						Hydric Soil I	Present? Yes No _✓
Remarks:							Tiyune 30ii i	rieseit: Tes NO
IYDROLC								
Wetland Hy	drology Indicators	s:						
Primary Indi	cators (minimum of	one require	d; check all that appl	y)			<u>Second</u>	dary Indicators (2 or more required)
Surface	Water (A1)		Salt Crust	(B11)			W	ater Marks (B1) ( <b>Riverine</b> )
High Wa	ater Table (A2)		✓ Biotic Crus	st (B12)			Se	ediment Deposits (B2) (Riverine)
Saturati	ion (A3)		Aquatic In	vertebrate	s (B13)		Dr	ift Deposits (B3) (Riverine)
Water N	Marks (B1) ( <b>Nonrive</b>	erine)	Hydrogen	Sulfide O	dor (C1)		<u></u> ✓ Dr	ainage Patterns (B10)
	nt Deposits (B2) (Ne		Oxidized F	Rhizosphe	res along	Living Ro	ots (C3) Dr	y-Season Water Table (C2)
Drift De	posits (B3) (Nonriv	erine)	Presence					ayfish Burrows (C8)
Surface	Soil Cracks (B6)		Recent Iro	n Reducti	on in Tille	d Soils (C	6) <u> </u>	ituration Visible on Aerial Imagery (C9)
Inundat	ion Visible on Aerial	Imagery (B	7) Thin Muck	Surface (	C7)		Sh	nallow Aquitard (D3)
Water-S	Stained Leaves (B9)		Other (Exp	olain in Re	marks)		FA	AC-Neutral Test (D5)
Field Obser	rvations:							
Surface Wat	ter Present?	Yes	No Depth (in	ches):		_		
Water Table	Present?	Yes	No Depth (in	ches):		_		
Saturation F	Present?	Yes <u>√</u>	No Depth (in	ches): 2		Wet	land Hydrology	Present? Yes No
(includes ca	pillary fringe)							
Describe Re	ecorded Data (strear	m gauge, m	onitoring well, aerial	photos, pr	evious ins	pections),	if available:	
Remarks:								
Nomans.								

Project/Site: Stonegate Property	C	ity/County: <u>Chico/ E</u>	Butte	Sampling Date:	02/23/2016
Applicant/Owner: Epick Homes, Inc.			State: CA	Sampling Point: _	12a
Investigator(s): Meredith Branstad, Marisa Brilts	S	ection, Township, Ra	ange: <b>Sections 31 &amp; 32,</b>	Township 22Nor	th, Range 2E
Landform (hillslope, terrace, etc.): terrace	L	ocal relief (concave,	convex, none): concave	e Slop	e (%): <u>&lt;1</u>
Subregion (LRR): C	Lat: <u>39.7</u>	17	Long: -121.787	Datum	n: NAD83
Soil Map Unit Name: Redtough-Redswale Complex,					
Are climatic / hydrologic conditions on the site typical for					
Are Vegetation, Soil, or Hydrology	_		"Normal Circumstances" p	_	No
Are Vegetation, Soil, or Hydrology			needed, explain any answe		
SUMMARY OF FINDINGS - Attach site ma			· · · · ·		ıtures, etc.
Hydrophytic Vegetation Present? Yes <u>√</u>	No				
Hydric Soil Present? Yes   ✓		Is the Sample within a Wetla		No	
Wetland Hydrology Present? Yes <u>✓</u>	No	within a wetta	ilid: Yes <u>▼</u>	NO	
Remarks:					
VECETATION . Her actions the manner of the					
VEGETATION – Use scientific names of pla			T5 : T		
Tree Stratum (Plot size:)		Dominant Indicator Species? Status	Dominance Test work		
1			Number of Dominant S That Are OBL, FACW,		(A)
2			Total Number of Domin	ant	
3			. Species Across All Stra		(B)
4			Percent of Dominant S	necies	
Conling/Chrub Strotum (Diotoizo	:	= Total Cover	That Are OBL, FACW,		(A/B)
Sapling/Shrub Stratum (Plot size:)			Prevalence Index wor	·ksheet·	
1 2			Total % Cover of:		bv:
3.			OBL species		
4.			FACW species		
5			FAC species	x 3 =	0
	=	= Total Cover	FACU species	x 4 =	0
Herb Stratum (Plot size:)	72	V	UPL species		0
1. Festuca perennis		Yes FAC	Column Totals:0	<u> </u>	<u>0</u> (B)
Eleocharis macrostachya     Hordeum marinum		Yes OBL No FAC	.   Prevalence Index	x = B/A = Na	N
4. Limnanthes sp.		No OBL	Hydrophytic Vegetation		
5			✓ Dominance Test is		
6.			Prevalence Index i	s ≤3.0 <sup>1</sup>	
7.			Morphological Ada	ptations <sup>1</sup> (Provide s	upporting
8				s or on a separate s	
		= Total Cover	Problematic Hydro	phytic Vegetation' (	Explain)
Woody Vine Stratum (Plot size:)			<sup>1</sup> Indicators of hydric soi	il and watland bydre	dogy must
1			be present, unless dist		
2		Total Cover	Hydrophytic		
			Vegetation		
% Bare Ground in Herb Stratum % Co	ver of Biotic Cru	ıst	Present? Ye	es No	_
Remarks:					

SOIL Sampling Point: 12a

Profile Desc	ription: (Describe	to the depth	needed to docu	ment the i	ndicator	or confirn	n the absence	e of indicators.)
Depth	Matrix			x Features	5			
<u>(inches)</u>	Color (moist)	<u> %</u> _	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
1-6	10YR 3/2	95 2	2.5YR 4/6	5	<u>C</u>	PL	clay	yes
	-							
								_
<del></del>								
<sup>1</sup> Type: C=Co	oncentration, D=Dep	oletion, RM=F	Reduced Matrix, C	S=Covered	or Coate	d Sand G	rains. <sup>2</sup> Lo	ocation: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators: (Applic	able to all L	RRs, unless othe	rwise note	ed.)			s for Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Sandy Red	ox (S5)			1 cm	Muck (A9) (LRR C)
	pipedon (A2)		Stripped Ma					Muck (A10) (LRR B)
Black His	stic (A3)		Loamy Mud	ky Mineral	l (F1)		Redu	ced Vertic (F18)
Hydroge	n Sulfide (A4)		Loamy Gle	yed Matrix	(F2)		Red F	Parent Material (TF2)
Stratified	l Layers (A5) ( <b>LRR</b>	C)	Depleted IV	atrix (F3)			Other	(Explain in Remarks)
	ck (A9) ( <b>LRR D</b> )		✓ Redox Darl					
	Below Dark Surfac	e (A11)	Depleted D				_	
	rk Surface (A12)		Redox Dep		-8)			s of hydrophytic vegetation and
_	lucky Mineral (S1)		Vernal Poo	ls (F9)				l hydrology must be present,
	leyed Matrix (S4)						unless	disturbed or problematic.
	_ayer (if present):							
Type: <u>ha</u> ı			<u> </u>					_
Depth (inc	ches): <u>6</u>						Hydric Soi	I Present? Yes No
Remarks:							•	
HYDROLO	GY							
Wetland Hyd	drology Indicators:	:						
Primary Indic	ators (minimum of o	one required;	check all that app	y)			Seco	ndary Indicators (2 or more required)
Surface	Water (A1)		Salt Crust	(B11)			\	Water Marks (B1) ( <b>Riverine</b> )
	ter Table (A2)		Biotic Cru				· · · · · · · · · · · · · · · · · · ·	Sediment Deposits (B2) (Riverine)
✓ Saturation			Aquatic In		s (B13)			Orift Deposits (B3) (Riverine)
	arks (B1) ( <b>Nonrive</b> r	ine)	Hydrogen					Orainage Patterns (B10)
	nt Deposits (B2) ( <b>No</b>	•				Livina Roc		Dry-Season Water Table (C2)
	oosits (B3) ( <b>Nonriv</b> e		Presence			•	· · · —	Crayfish Burrows (C8)
-	Soil Cracks (B6)		Recent Iro					Saturation Visible on Aerial Imagery (C9)
	on Visible on Aerial	Imagery (R7)				a 50115 (O		Shallow Aquitard (D3)
	tained Leaves (B9)	illiagery (b7)	Other (Ex					FAC-Neutral Test (D5)
			Officer (EX	Jiaiii iii Ke	IIIai KS)		'	-AC-Neutral Test (D3)
Field Observ		,	1 5 4 4					
Surface Wate			o Depth (in					
Water Table	Present?	'es N	o 🗹 Depth (in	ches):				
Saturation Pr		′es <u> </u>	o Depth (in	ches): <u>1</u>		WetI	land Hydrolog	gy Present? Yes No
(includes cap		2 001100	itoring well assist	nhotes ==	laua != -	nootiess)	if ovoilable:	
Describe Rec	corded Data (stream	ı gauge, mon	inoring well, aerial	pnotos, pre	evious ins	pections),	ıı avallable:	
Remarks:								

Project/Site: Stonegate Property		City/Cour	nty: <u>Chico/ B</u>	Sampling Date:02/23/2016			
Applicant/Owner: Epick Homes, Inc.				Sampling P	oint:	13a	
Investigator(s): Meredith Branstad, Marisa Brilts		Section,	Township, Ra	nge: <b>Sections 31 &amp; 3</b>	2, Township	22North, F	Range 2E
Landform (hillslope, terrace, etc.): terrace		Local rel	ief (concave,	convex, none): conca	ve	_ Slope (%)	): <u>&lt;1</u>
Subregion (LRR): C	Lat: 39.	39.717		Long: <u>-121.787</u>	_	Datum: NA	4D83
Soil Map Unit Name: Redtough-Redswale Complex, 0	to 2 Perce	nt Slope	S	NWI classi	ification: DSW		
Are climatic / hydrologic conditions on the site typical for th	is time of ye	ar? Yes	<b>√</b> No_	(If no, explain in	Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly	disturbed	l? Are	'Normal Circumstances	" present? Ye	es_ <b>√</b> _ N	۷o
Are Vegetation, Soil, or Hydrology	naturally pro	blematic	? (If ne	eeded, explain any ansv	wers in Remark	(s.)	
SUMMARY OF FINDINGS - Attach site map	showing	sampl	ing point l	ocations, transec	ts, importa	nt feature	es, etc.
	No No No		the Sampled		✓ No		
VEGETATION – Use scientific names of plar  Tree Stratum (Plot size:)	Absolute		int Indicator Status	Dominance Test wo			
1				That Are OBL, FACV		2	_ (A)
2.				Total Number of Dom		2	(D)
3 4				Species Across All S	trata:	2	_ (B)
	0			Percent of Dominant That Are OBL, FACW		100	(A/R)
Sapling/Shrub Stratum (Plot size:)							_ (/ (/ / / / / / / / / / / / / / / / /
1				Prevalence Index w  Total % Cover of		Aultiply by	
2				OBL species			
3 4				FACW species			
5				FAC species			
- S	0	= Total (	Cover	FACU species			_
Herb Stratum (Plot size:)		_ rotar	00101	UPL species			_
1. Eleocharis macrostachya	65	Yes	OBL	Column Totals:			(B)
2. Hordeum marinum	20	Yes	<u>FAC</u>				
3. <u>Festuca perennis</u>	15	No	<u>FAC</u>	Prevalence Inde	·		
4				Hydrophytic Vegeta		s:	
5				✓ Dominance Test			
6		-		Prevalence Inde			
7	_			Morphological Adda in Rema	daptations' (Pr irks or on a sep	ovide suppo parate sheet	irting )
8				Problematic Hyd			
Woody Vine Stratum (Plot size:)	100	_ = Total (	Cover		1 5 5	· · · · · · · · · · · · · · · · · · ·	,
1				<sup>1</sup> Indicators of hydric s be present, unless di			must
2.	0			Hydrophytic			
% Bare Ground in Herb Stratum0  % Cove		_		Vegetation	Yes <u>√</u> ľ	No	
Remarks:		-		1			
cobbles							

SOIL Sampling Point: 13a

Profile Desc	ription: (Describe	to the dep	th needed to docu	ment the	indicator	or confirn	n the absence o	f indicators.)
Depth	Matrix			ox Feature	!S			
<u>(inches)</u>	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
1-6	7.5YR 3/2	90	2.5YR 3/6	10	C	PL	clay	
				_			<u> </u>	
·	-							
	-		-		·			
			=Reduced Matrix, C			ed Sand G		tion: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators: (Applic	able to all	LRRs, unless othe	rwise not	ed.)		Indicators for	or Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Sandy Red					ick (A9) (LRR C)
	oipedon (A2)		Stripped M					ick (A10) ( <b>LRR B</b> )
Black His			Loamy Mud	-				d Vertic (F18)
	n Sulfide (A4)		Loamy Gle	-	(F2)			ent Material (TF2)
	Layers (A5) (LRR	C)	Depleted M				✓ Other (E	xplain in Remarks)
	ck (A9) ( <b>LRR D</b> )	(0.4.4)	✓ Redox Dar					
-	Below Dark Surfac	e (ATT)	Depleted D				31	
	ork Surface (A12)		Redox Dep		(F8)			f hydrophytic vegetation and ydrology must be present,
_	lucky Mineral (S1) leyed Matrix (S4)		Vernal Poo	115 (F9)			_	turbed or problematic.
	_ayer (if present):						uniess dis	turbed of problematic.
Type: ha								
							Unidada Call D	mananta Van / Na
Depth (inc	cnes): <u>b</u>		<u></u>				Hydric Soil P	resent? Yes No
Remarks:								
cobbly al	gae matting, n	natted d	own veg					
cobbiy, ai	5ac matting, n	natica a	own veg					
HYDROLO(	CV							
_	drology Indicators:							
		one require	d; check all that app	ly)				ary Indicators (2 or more required)
Surface	Water (A1)		Salt Crust	t (B11)				ter Marks (B1) (Riverine)
High Wa	ter Table (A2)		✓ Biotic Cru	st (B12)			Sec	diment Deposits (B2) (Riverine)
✓ Saturation	on (A3)		Aquatic Ir	vertebrate	es (B13)		Drif	t Deposits (B3) (Riverine)
Water M	arks (B1) ( <b>Nonrive</b> r	rine)	Hydrogen	Sulfide O	dor (C1)		Dra	inage Patterns (B10)
Sedimen	nt Deposits (B2) ( <b>No</b>	nriverine)	Oxidized	Rhizosphe	eres along	Living Roo	ots (C3) Dry	-Season Water Table (C2)
Drift Dep	osits (B3) ( <b>Nonrive</b>	rine)	Presence	of Reduce	ed Iron (C	4)	Cra	yfish Burrows (C8)
Surface	Soil Cracks (B6)		Recent Iro	on Reducti	ion in Tille	d Soils (Cé	6) <u> </u>	uration Visible on Aerial Imagery (C9)
Inundatio	on Visible on Aerial	Imagery (B	7) Thin Mucl	k Surface	(C7)		Sha	allow Aquitard (D3)
Water-St	tained Leaves (B9)		Other (Ex	plain in Re	emarks)		FA	C-Neutral Test (D5)
Field Observ	vations:							
Surface Wate	er Present?	'es	No <u>√</u> Depth (ir	nches):				
Water Table			No <u>✓</u> Depth (in					
Saturation Pr			No Depth (ir				land Hydrology	Present? Yes No
(includes cap	oillary fringe)							103 <u>¥</u> 100
		n gauge, mo	onitoring well, aerial	photos, pr	evious ins	spections),	if available:	
Remarks:								
curfoco de	amn							
surface da	amp							

Project/Site: Stonegate Property		City/Cour	Sampling Date:02/23/2016				
Applicant/Owner: Epick Homes, Inc.				Sampling P	oint:1	13b	
Investigator(s): Meredith Branstad, Marisa Brilts		Section, -	Township, Ra	nge: Sections 31 & 3	2, Township	22North, R	lange 2E
Landform (hillslope, terrace, etc.): terrace		Local reli	ief (concave,	convex, none): conca	ve	_ Slope (%)	: <1
Subregion (LRR): C	Lat: 39.	717		Long: <u>-121.787</u>		Datum: NA	\D83
Soil Map Unit Name: Redtough-Redswale Complex, 0	to 2 Perce	nt Slope	S	NWI class	fication:		
Are climatic / hydrologic conditions on the site typical for th	is time of yea	ar? Yes_	<b>√</b> No_	(If no, explain in	Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly	disturbed	? Are	'Normal Circumstances	" present? Ye	sN	10
Are Vegetation, Soil, or Hydrology	naturally pro	blematic?	? (If ne	eeded, explain any ansv	vers in Remark	(s.)	
SUMMARY OF FINDINGS – Attach site map	showing	sampli	ing point l	ocations, transec	ts, importai	nt feature	es, etc.
Hydrophytic Vegetation Present? Yes ↑ Hydric Soil Present? Yes ↑			the Sampled				
Wetland Hydrology Present? Yes 1		Wi	thin a Wetlar	na? Yes	No		
Remarks:		•					
VEGETATION – Use scientific names of plan	nts.						
7. 0. 1. (0.1.1.			nt Indicator	Dominance Test wo	rksheet:		
Tree Stratum (Plot size:)			S? Status	Number of Dominant That Are OBL, FACV		1	(4)
1							_ (A)
3.				Total Number of Don Species Across All S		1	(B)
4				Percent of Dominant			,
Continue/Observe Observes /Distrator	0	= Total (	Cover	That Are OBL, FACV		100	(A/B)
Sapling/Shrub Stratum (Plot size:)  1				Prevalence Index w	orksheet:		
2.				Total % Cover of		fultiply by:	
3.				OBL species			
4				FACW species	x 2 =	0	_
5				FAC species			
Herb Stratum (Plot size:)	0	_ = Total (	Cover	FACU species			_
1. Festuca perennis	90	Yes	FAC	UPL species Column Totals:			(B)
2. Hordeum murinum		No	FACU	Coldifiii Totals.	<u> </u>		_ (D)
3. Eleocharis macrostachya	2	No	OBL	Prevalence Ind			_
4				Hydrophytic Vegeta		s:	
5				✓ Dominance Test			
6				Prevalence Inde Morphological A		ovido suppo	rtina
7				data in Rema	rks or on a sep	arate sheet)	)
8		= Total (	Cover	Problematic Hyd	rophytic Vegeta	ation <sup>1</sup> (Expla	ain)
Woody Vine Stratum (Plot size:)		_ rotar t	30101				
1				<sup>1</sup> Indicators of hydric s be present, unless di			must
2				'			
	0	=		Hydrophytic Vegetation	,		
% Bare Ground in Herb Stratum % Cove	er of Biotic C	rust		Present?	/es <u>√</u>	No	
Remarks:							

SOIL Sampling Point: 13b

Profile Desc	cription: (Describe	to the dept	h needed to docu	ment the	indicator	or confirm	m the absence	of indicators.)
Depth	Matrix			ox Feature	S T 1	. 2	·	5
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	<u>Loc</u> <sup>2</sup>		Remarks
1-4	7.5YR 3/2	<u>99</u>	2.5YR 3/6	1	<u>C</u>	PL	clay silt	
	-							
							<u> </u>	
	-							
	-						-	
1							. 2.	
	oncentration, D=Dep					ed Sand G		ation: PL=Pore Lining, M=Matrix.
_	Indicators: (Applic	cable to all L			.ea.)			for Problematic Hydric Soils <sup>3</sup> :
Histosol	` '		Sandy Red					luck (A9) (LRR C)
	pipedon (A2)		Stripped M		.1 /⊏1\			luck (A10) (LRR B)
l —	istic (A3) en Sulfide (A4)		Loamy Mud Loamy Gle	-				ed Vertic (F18) arent Material (TF2)
	d Layers (A5) ( <b>LRR</b>	C)	Depleted M	-	(FZ)			Explain in Remarks)
l —	uck (A9) ( <b>LRR D</b> )	0)	Redox Dar		(F6)		Other (	Explain in Kemarks)
	d Below Dark Surfac	e (A11)	Depleted D					
	ark Surface (A12)	(	Redox Dep				<sup>3</sup> Indicators	of hydrophytic vegetation and
	Jucky Mineral (S1)		Vernal Poo					nydrology must be present,
	Gleyed Matrix (S4)						unless di	sturbed or problematic.
Restrictive	Layer (if present):							
Type:								
Depth (in	ches):						Hydric Soil	Present? Yes No
Remarks:								
HYDROLO	GY							
Wetland Hy	drology Indicators:	:						
Primary India	cators (minimum of o	one required	; check all that app	ly)			Secon	dary Indicators (2 or more required)
Surface	Water (A1)		Salt Crust	(B11)			W	ater Marks (B1) ( <b>Riverine</b> )
High Wa	ater Table (A2)		Biotic Cru	st (B12)			Se	ediment Deposits (B2) (Riverine)
Saturati	on (A3)		Aquatic Ir	vertebrate	es (B13)		Dı	rift Deposits (B3) (Riverine)
Water M	Marks (B1) (Nonriver	rine)	Hydrogen				Di	rainage Patterns (B10)
	nt Deposits (B2) (No					Living Ro		ry-Season Water Table (C2)
	posits (B3) (Nonrive		Presence	-	_	_		rayfish Burrows (C8)
	Soil Cracks (B6)	,	Recent Iro					aturation Visible on Aerial Imagery (C9)
	on Visible on Aerial	Imagery (B7				,		nallow Aquitard (D3)
	Stained Leaves (B9)	3 , .	Other (Ex					AC-Neutral Test (D5)
Field Obser					· · ·			. ,
Surface Wat	er Present?	es N	lo <u>√</u> Depth (ir	iches):				
Water Table			lo ✓ Depth (ir					
Saturation P			lo <u>√</u> Depth (ir				land Hydrology	/ Present? Yes No _✓
(includes cap		e2 I	io 🔻 Depiii (ii	iches)		_   wet	iana nyarology	resent: res Nov_
Describe Re	corded Data (stream	n gauge, moi	nitoring well, aerial	photos, pr	evious in:	spections)	, if available:	
Remarks:								
1								

WETLAND DETER	MINATIO	ON DAT	A FORM	– Arid West Region		
Project/Site: Stonegate Property		City/Count	ty: <u>Chico/ I</u>	Buttes	Sampling Date: 2/15/16	6
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u> S	Sampling Point: 14b	
Investigator(s): Kelly Bayne, Charlotte Marks		Section, T	ownship, Ra	nge: Sec 31&32, Towr	nship 22North, Ran	ge 2E
Landform (hillslope, terrace, etc.): Hillslope						
Subregion (LRR): C						
Soil Map Unit Name: Redtough-Redswale Complex,						
Are climatic / hydrologic conditions on the site typical for this t						
Are Vegetation, Soil, or Hydrology sig						
Are Vegetation, Soil, or Hydrology na						
SUMMARY OF FINDINGS – Attach site map s						, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No Remarks:			he Sampled	l Area nd? Yes	_ No <u>√</u>	
	Absolute % Cover		nt Indicator	Dominance Test worksh		
1				That Are OBL, FACW, or		(A)
2 3				Total Number of Dominar Species Across All Strata		(B)
4Total Cover: Sapling/Shrub Stratum				Percent of Dominant Spe That Are OBL, FACW, or		(A/B)
1				Prevalence Index works		
2				Total % Cover of:		
3				OBL species		
4				FACW species FAC species		
5Total Cover:				FACU species		-
Herb Stratum				UPL species		-
1. Avena fatua	70	Y	UPL	Column Totals:		
2. <u>Vicia villosa</u>			UPL			
3. Geranium molle			_ <u>UPL</u>		= B/A =	
4. <u>Erodium botrys</u>			_ FACU	Hydrophytic Vegetation  Dominance Test is >:		
5				Prevalence Index is :		
6 7				Morphological Adapta		ina
8.				data in Remarks of	or on a separate sheet)	
Total Cover:				Problematic Hydroph	ytic Vegetation <sup>1</sup> (Explair	1)
Woody Vine Stratum						
1				<sup>1</sup> Indicators of hydric soil a be present.	ınd wetland hydrology m	iust
2				'		
Total Cover:				Hydrophytic Vegetation		
% Bare Ground in Herb Stratum0 % Cover of	of Biotic Cr	ust		Present? Yes	No <u>√</u>	
Remarks:						

SOIL Sampling Point: 14b

	cription: (Describe t	o the depth				or confirm	n the absence o	f indicators.)
Depth (inches)	Matrix Color (moist)	<del></del> _		ox Features %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
<u>0-12</u>	7.5YR 2.5/2	100			-		<u>Clay</u>	
<sup>1</sup> Type: C=C	oncentration, D=Depl	etion RM=R	educed Matrix	2l ocation	· PI =Poi	e Lining R	C=Root Channe	el M=Matrix
	Indicators: (Applica					C Lilling, I		or Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Red		,			uck (A9) ( <b>LRR C</b> )
	pipedon (A2)		Stripped M					uck (A10) (LRR B)
	istic (A3)		Loamy Mu	, ,	l (F1)			d Vertic (F18)
Hydroge	en Sulfide (A4)		Loamy Gle				Red Par	rent Material (TF2)
Stratifie	d Layers (A5) ( <b>LRR C</b>	:)	Depleted N	/latrix (F3)			Other (E	Explain in Remarks)
1 cm Mi	uck (A9) ( <b>LRR D</b> )		Redox Dar	k Surface (	F6)			
	d Below Dark Surface	e (A11)	Depleted D		` '			
	ark Surface (A12)		Redox Dep		F8)		Q	
	Mucky Mineral (S1)		Vernal Poo	ds (F9)				f hydrophytic vegetation and
	Gleyed Matrix (S4)						wetland n	nydrology must be present.
	Layer (if present):							
							1	
	ches):		<del></del>				Hydric Soil F	Present? Yes No
Remarks:								
HYDROLO	GY							
Wetland Hy	drology Indicators:						Second	dary Indicators (2 or more required)
	cators (any one indica	ator is sufficie	ent)					ater Marks (B1) (Riverine)
Surface	Water (A1)		Salt Crus	t (B11)				diment Deposits (B2) (Riverine)
	ater Table (A2)		Biotic Cru	, ,				ft Deposits (B3) (Riverine)
Saturati	` '		Aquatic Ir	, ,	s (R13)			ainage Patterns (B10)
	/arks (B1) ( <b>Nonriveri</b>	ne)	Hydroger					y-Season Water Table (C2)
	nt Deposits (B2) ( <b>Nor</b>	<i>'</i>				Living Roc		in Muck Surface (C7)
	posits (B3) (Nonriver		Presence		_	-	· / —	ayfish Burrows (C8)
	Soil Cracks (B6)	,	Recent In		,			turation Visible on Aerial Imagery (C9)
	ion Visible on Aerial Ir	magery (B7)	Other (Ex			,000 00115 (		allow Aquitard (D3)
_	Stained Leaves (B9)	nagor <b>j</b> (Dr.)	0.1101 (2.51	piairi iir ree	mamoj			C-Neutral Test (D5)
Field Obser								O Wedital Test (BS)
Surface Wat		ae Me	Depth (ir	ochec).				
						1		
Water Table			Depth (ir					D 10 Y
Saturation P	resent? Ye pillary fringe)	es No	Depth (ir	nches):		Weti	and Hydrology	Present? Yes No
	corded Data (stream	gauge, moni	toring well, aerial	photos, pr	evious ins	spections),	if available:	
	,			, , ,		, ,		
Remarks:								

WETLAND DETER	RMINATIO	ON DA	TA FORM	– Arid West Region	on		
Project/Site: Stonegate Property	(	City/Cour	nty: Chico/	Butte	Sampling I	Date: <u>2/15/</u>	16
Applicant/Owner: Epick Homes, Inc.							
Investigator(s): Kelly Bayne, Charlottte Marks							
Landform (hillslope, terrace, etc.): Grassland					-		-
Subregion (LRR): C							
Soil Map Unit Name: Redtough-Redswale Complex							
Are climatic / hydrologic conditions on the site typical for this	time of yea	ar? Yes	√ No	(If no, explain ir	n Remarks.)		
Are Vegetation, Soil, or Hydrologys				"Normal Circumstances		es <b>√</b> N	lo
Are Vegetation, Soil, or Hydrology n							
SUMMARY OF FINDINGS - Attach site map							s etc
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:  Yes   ✓ No N	o	Is	the Sample	·			
VEGETATION	Absolute	Domina	nt Indicator	Dominance Test we	orksheet:		
<u>Tree Stratum</u> (Use scientific names.)  1.	% Cover	Species	s? Status	Number of Dominant That Are OBL, FACM	t Species	1	(A)
2				Total Number of Dor Species Across All S		1	(B)
Total Cover Sapling/Shrub Stratum	0			Percent of Dominant That Are OBL, FAC	: Species V, or FAC: _	100	(A/B)
1				Prevalence Index w			
2				Total % Cover o			
3				OBL species			
4				FAC species			
Total Cover				FACU species			_
Herb Stratum				UPL species			
1. Festuca perennis		<u>Y</u>		Column Totals:	(A)		(B)
2. Rumex crispus			FAC	Prevalence Inc	lev = R/Δ =		
3				Hydrophytic Vegeta			_
4				✓ Dominance Test			
6				Prevalence Inde			
7				Morphological A data in Rema	daptations <sup>1</sup> (Parks or on a se	parate sheet)	)
Total Cover				Problematic Hyd	drophytic Vege	tation (Expla	in)
Woody Vine Stratum  1				<sup>1</sup> Indicators of hydric be present.	soil and wetlar	nd hydrology	must
2Total Cover				Hydrophytic			
% Bare Ground in Herb Stratum35 % Cover	of Biotic Ci	rust _	0_	Vegetation Present?	Yes <u></u> ✓	No _	
Remarks:			_ <del></del>				

SOIL Sampling Point: 15a

Profile Desc	ription: (Describe t	o the dept				or confirm	n the absence	of indicators.)
Depth (inches)	Matrix Color (moist)	%	Redo Color (moist)	<u>x Features</u> %	Type <sup>1</sup>	Loc <sup>2</sup>	Tevture	Remarks
								Remarks
<u>0-12</u>	7.5YR 3/2	<u>95</u>	5YR 3/4	5	<u>C</u>	<u> </u>	<u>Clay</u>	
<sup>1</sup> Type: C=Co	oncentration, D=Deple	etion, RM=	Reduced Matrix.	<sup>2</sup> Location	: PL=Po	re Lining, F	RC=Root Chan	nel, M=Matrix.
Hydric Soil	ndicators: (Applica	ble to all	LRRs, unless othe	rwise note	ed.)		Indicators	for Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Sandy Red	ox (S5)				Muck (A9) (LRR C)
	pipedon (A2)		Stripped Ma					Muck (A10) (LRR B)
Black Hi	, ,		Loamy Mud	_				ed Vertic (F18)
	n Sulfide (A4)		Loamy Gley		(F2)			arent Material (TF2)
	l Layers (A5) (LRR C	)	Depleted M  ✓ Redox Dark		EG)		Other	(Explain in Remarks)
	ck (A9) ( <b>LRR D</b> ) d Below Dark Surface	(Δ11)	Depleted D	,	,			
	ark Surface (A12)	(/ (/ 1)	Redox Dep					
	lucky Mineral (S1)		Vernal Poo		-,		<sup>3</sup> Indicators	of hydrophytic vegetation and
	Sleyed Matrix (S4)		_	` ,				l hydrology must be present.
Restrictive I	ayer (if present):							
Type:								
Depth (inc	ches):						Hydric Soil	Present? Yes No
Remarks:								
HYDROLO	cv							
							0	adam i Indiaatawa (2 au maaya ya sujiyad)
_	drology Indicators:	4 :	-:4>				•	ndary Indicators (2 or more required)
	ators (any one indica	tor is suffi						Vater Marks (B1) (Riverine)
_	Water (A1)		Salt Crust	, ,				Sediment Deposits (B2) (Riverine)
	ter Table (A2)		<u>✓</u> Biotic Cru					Orift Deposits (B3) (Riverine)
Saturation			Aquatic In					Orainage Patterns (B10)
	arks (B1) (Nonriverii		Hydrogen		` ′			Pry-Season Water Table (C2)
	nt Deposits (B2) (Non	,	<del></del>		_	-	· / —	hin Muck Surface (C7)
	oosits (B3) (Nonriveri	ne)	Presence		,			Crayfish Burrows (C8)
	Soil Cracks (B6)	(D	Recent Iro			wed Soils (		Saturation Visible on Aerial Imagery (C9)
	on Visible on Aerial In	nagery (B <i>i</i>	') Other (Ex	olain in Re	marks)			Shallow Aquitard (D3)
	tained Leaves (B9)						<u></u>	AC-Neutral Test (D5)
Field Obser								
Surface Wat			No Depth (in					
Water Table			No <u>✓</u> Depth (in					,
Saturation P	resent? Ye	s I	No <u>√</u> Depth (in	ches):		Wetl	and Hydrolog	y Present? Yes <u>√</u> No
(includes cap	olliary tringe) corded Data (stream :	nauge mo	nitoring well aerial	nhotos pri	evious in	spections)	if available:	
Besomberte	sorava Bata (strvati)	gaago, me	antoning won, donar	priotos, pri	0 110 0 0 111	<b>5</b> 000000113),	ii availabio.	
Domorko:								
Remarks:								

WETLAND DETERI	MINATIO	ON DAT	A FORM	– Arid West Region		
Project/Site: Stonegate Property		City/Count	y: <u>Chico/</u>	Butte :	Sampling Date: <u>2/15/1</u> 0	6
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u>	Sampling Point: 15b	
Investigator(s): Kelly Bayne, Charlottte Marks		Section, T	ownship, Ra	nge: Sec 31&32, Tow	nship 22North, Ran	ige 2E
Landform (hillslope, terrace, etc.): Hillslope						_
Subregion (LRR): C						
Soil Map Unit Name: Redtough-Redswale Complex,						
Are climatic / hydrologic conditions on the site typical for this t						
Are Vegetation, Soil, or Hydrology sig						
Are Vegetation, Soil, or Hydrology nat						'
SUMMARY OF FINDINGS – Attach site map s						s, etc.
-			3		•	,
Hydrophytic Vegetation Present? Yes No		ls t	he Sampled	d Area		
Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	<u></u>	wit	hin a Wetlaı	nd? Yes	No <u></u> ✓	
Remarks:	<u> </u>					
Tromano.						
VEGETATION						
	Absolute		t Indicator	Dominance Test works	heet:	
			? Status	Number of Dominant Spo		
1				That Are OBL, FACW, or	· FAC:U	(A)
2				Total Number of Domina		(D)
4				Species Across All Strate	1	(D)
Total Cover:				Percent of Dominant Spe That Are OBL, FACW, or		(A/R)
Sapling/Shrub Stratum						(~0)
1				Prevalence Index works		
2				Total % Cover of:		
3				OBL species		
4				FAC species		
5Total Cover:				FACU species		-
Herb Stratum				UPL species		
1. Avena fatua		Y_	<u>UPL</u>	Column Totals:		
2. <u>Vicia villosa</u>			<u>UPL</u>			
3. Geranium molle			<u>UPL</u>		= B/A =	
4. <u>Erodium botrys</u>			FACU_	Hydrophytic Vegetation		
5				Dominance Test is > Prevalence Index is		
6				Morphological Adapt		ina
7 8				data in Remarks	or on a separate sheet)	9
Total Cover:				Problematic Hydroph	nytic Vegetation¹ (Explair	า)
Woody Vine Stratum						
1				<sup>1</sup> Indicators of hydric soil : be present.	and wetland hydrology m	ıust
2				'		
Total Cover:	0			Hydrophytic Vegetation		
% Bare Ground in Herb Stratum0 % Cover of	of Biotic Cr	ust		Present? Yes	No <u></u> ✓	
Remarks:						

SOIL Sampling Point: 15b

	cription: (Describe t	o the depth				or confirm	n the absence o	f indicators.)
Depth (inches)	Matrix Color (moist)	<del></del> _		ox Features %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
<u>0-12</u>	7.5YR 2.5/2	100			-		<u>Clay</u>	
<sup>1</sup> Type: C=C	oncentration, D=Depl	etion RM=R	educed Matrix	2l ocation	· PI =Poi	e Lining R	C=Root Channe	el M=Matrix
	Indicators: (Applica					C Lilling, I		or Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Red		,			uck (A9) ( <b>LRR C</b> )
	pipedon (A2)		Stripped M					uck (A10) (LRR B)
	istic (A3)		Loamy Mu	, ,	l (F1)			d Vertic (F18)
Hydroge	en Sulfide (A4)		Loamy Gle				Red Par	rent Material (TF2)
Stratifie	d Layers (A5) ( <b>LRR C</b>	:)	Depleted N	/latrix (F3)			Other (E	Explain in Remarks)
1 cm Mi	uck (A9) ( <b>LRR D</b> )		Redox Dar	k Surface (	F6)			
	d Below Dark Surface	e (A11)	Depleted D		` '			
	ark Surface (A12)		Redox Dep		F8)		Q	
	Mucky Mineral (S1)		Vernal Poo	ds (F9)				f hydrophytic vegetation and
	Gleyed Matrix (S4)						wetland n	nydrology must be present.
	Layer (if present):							
							1	
	ches):		<del></del>				Hydric Soil F	Present? Yes No
Remarks:								
HYDROLO	GY							
Wetland Hy	drology Indicators:						Second	dary Indicators (2 or more required)
	cators (any one indica	ator is sufficie	ent)					ater Marks (B1) (Riverine)
Surface	Water (A1)		Salt Crus	t (B11)				diment Deposits (B2) (Riverine)
	ater Table (A2)		Biotic Cru	, ,				ft Deposits (B3) (Riverine)
Saturati	` '		Aquatic Ir	, ,	s (R13)			ainage Patterns (B10)
	/arks (B1) ( <b>Nonriveri</b>	ne)	Hydroger					y-Season Water Table (C2)
	nt Deposits (B2) ( <b>Nor</b>	<i>'</i>				Living Roc		in Muck Surface (C7)
	posits (B3) (Nonriver		Presence		_	-	· / —	ayfish Burrows (C8)
	Soil Cracks (B6)	,	Recent In		,			turation Visible on Aerial Imagery (C9)
	ion Visible on Aerial Ir	magery (B7)	Other (Ex			,000 00115 (		allow Aquitard (D3)
_	Stained Leaves (B9)	nagor <b>j</b> (Dr.)	0.1101 (2.51	piairi iir ree	mamoj			C-Neutral Test (D5)
Field Obser								O Weditar Fest (B5)
Surface Wat		ae Me	Depth (ir	ochec).				
						1		
Water Table			Depth (ir					D 10 Y
Saturation P	resent? Ye pillary fringe)	es No	Depth (ir	nches):		Weti	and Hydrology	Present? Yes No
	corded Data (stream	gauge, moni	toring well, aerial	photos, pr	evious ins	spections),	if available:	
	,			, , ,		, ,		
Remarks:								

WETLAND DETER	MINATIO	ON DATA	A FORM	– Arid West Region
Project/Site: Stonegate Property	(	City/County	: Chico/	Butte Sampling Date: 2/15/16
Applicant/Owner: Epick Homes, Inc.				
Investigator(s): Kelly Bayne, Charlottte Marks				
Landform (hillslope, terrace, etc.): Grassland				
Subregion (LRR): C	_ Lat: <u>39.</u>	723077		Long: -121.790472 Datum:
Soil Map Unit Name: Redtough-Redswale Complex				
Are climatic / hydrologic conditions on the site typical for this			,	
Are Vegetation, Soil, or Hydrology si				
Are Vegetation, Soil, or Hydrology na				
SUMMARY OF FINDINGS – Attach site map s	showing	samplin	g point l	ocations, transects, important features, etc
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:  Yes   ✓ No No No			ne Samplec nin a Wetlan	d Area nd? Yes <u>√</u> No
VEGETATION				
Two Chrohims (Has asimhifis manna)	Absolute		Indicator	Dominance Test worksheet:
Tree Stratum (Use scientific names.)  1	<u>% Cover</u>			Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2.				
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				Percent of Dominant Species
Total Cover: Sapling/Shrub Stratum	0			That Are OBL, FACW, or FAC: 100 (A/B)
1				Prevalence Index worksheet:
2.				Total % Cover of: Multiply by:
3				OBL species x 1 =
4				FACW species x 2 =
5				FAC species x 3 =
Total Cover:	0			FACU species x 4 =
Eleochaeris macrostachya	60	Y	OBL	UPL species x 5 =
2. Blennosperma nanum				Column Totals: (A) (B)
3.				Prevalence Index = B/A =
4				Hydrophytic Vegetation Indicators:
5				✓ Dominance Test is >50%
6				Prevalence Index is ≤3.0 <sup>1</sup>
7				Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8Total Cover:				Problematic Hydrophytic Vegetation (Explain)
Woody Vine Stratum				
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2				be present.
Total Cover:	0			Hydrophytic Vegetation
% Bare Ground in Herb Stratum	of Biotic Cr	ust	0_	Present? Yes _ ✓ No
Remarks:				

SOIL Sampling Point: 16a

	cription: (Describe t	to the dep				or confirn	n the absenc	e of indicators.)
Depth (inches)	Matrix Color (moist)	%		ox Features %	_Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-12	7.5YR 3/2							
0 12	7.011(0/2		0111 0/0			<u> </u>	Olay	
						·		
	oncentration, D=Depl Indicators: (Applica					re Lining, F		nnel, M=Matrix. rs for Problematic Hydric Soils³:
Histosol			Sandy Rec		,			Muck (A9) (LRR C)
	pipedon (A2)		Stripped M					Muck (A10) ( <b>LRR B</b> )
	istic (A3)		Loamy Mu		(F1)			uced Vertic (F18)
Hydroge	en Sulfide (A4)		Loamy Gle				Red	Parent Material (TF2)
	d Layers (A5) ( <b>LRR C</b>	<b>;</b> )	Depleted N	/latrix (F3)			Othe	r (Explain in Remarks)
	uck (A9) ( <b>LRR D</b> )		✓ Redox Dar	,	,			
	d Below Dark Surface	e (A11)	Depleted D					
	ark Surface (A12)		Redox Dep		-8)		31	
	Mucky Mineral (S1) Gleyed Matrix (S4)		Vernal Poo	NS (F9)				rs of hydrophytic vegetation and nd hydrology must be present.
	Layer (if present):						Wellal	na frydrology mast be present.
	Euyer (ii present).							
	ches):						Hudria Sa	oil Present? Yes ✓ No
Remarks:	Cites)		<del></del>				Hydric 30	mi Fresent? Tes No
Remarks.								
HYDROLO								
Wetland Hy	drology Indicators:							ondary Indicators (2 or more required)
Primary Indi	cators (any one indica	ator is suffi	cient)					Water Marks (B1) (Riverine)
Surface	Water (A1)		Salt Crust	t (B11)			_	Sediment Deposits (B2) (Riverine)
High Wa	ater Table (A2)		✓ Biotic Cru	ıst (B12)			_	Drift Deposits (B3) (Riverine)
Saturati	on (A3)		Aquatic Ir		` ′			Drainage Patterns (B10)
	farks (B1) ( <b>Nonriveri</b>		Hydrogen		` '			Dry-Season Water Table (C2)
	nt Deposits (B2) ( <b>Nor</b>				-	-	—	Thin Muck Surface (C7)
	posits (B3) ( <b>Nonriver</b>	ine)	Presence					Crayfish Burrows (C8)
	Soil Cracks (B6)		Recent Ir			wed Soils (		Saturation Visible on Aerial Imagery (C9)
_	ion Visible on Aerial Ir	magery (B	7) Other (Ex	plain in Re	marks)			Shallow Aquitard (D3)
	Stained Leaves (B9)						_	FAC-Neutral Test (D5)
Field Obser			,					
Surface Wat			No <u>✓</u> Depth (ir					
Water Table			No <u>✓</u> Depth (ir					,
Saturation P		es	No <u>✓</u> Depth (ir	nches):		Wetl	and Hydrolo	gy Present? Yes <u>√</u> No
	pillary fringe) corded Data (stream	dalide mo	nitoring well aerial	nhotos nre	evious in	enections)	if available:	
Describe ive	corded Data (Stream	guuge, m	mioning wen, dendi	priotos, pri	3 VIOG 3 III	<b>5</b> pcction3),	ii a valiable.	
Remarks:								
Nomans.								

WETLAND DETERI	MINATIO	ON DAT	TA FORM	– Arid West Region	
Project/Site: Stonegate Property	(	City/Coun	ty: Chico/ I	Butte Sampling Date: 2/15/16	3
Applicant/Owner: Epick Homes, Inc.					
Investigator(s): Kelly Bayne, Charlottte Marks					
Landform (hillslope, terrace, etc.): terrace				·	_
Subregion (LRR): C					
Soil Map Unit Name: Redtough-Redswale Complex,					
Are climatic / hydrologic conditions on the site typical for this t					
Are Vegetation, Soil, or Hydrology sig					
Are Vegetation, Soil, or Hydrology nat					
SUMMARY OF FINDINGS – Attach site map s	howing	sampli	ng point l	ocations, transects, important features	, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes ✓ No Remarks:  Ponded water caused by disturbance of the solution of the soluti		wit	the Sampled thin a Wetlar	nd? Yes No <u>√</u>	
VEGETATION					
Tree Stratum (Use scientific names.)		Species	nt Indicator S? Status	Dominance Test worksheet:  Number of Dominant Species That Are OBL, FACW, or FAC:0	(A)
1				That Are Obl., FACW, or FAC.	(A)
3				Total Number of Dominant Species Across All Strata: 3	(B)
4.					(=)
Total Cover:	0			Percent of Dominant Species That Are OBL, FACW, or FAC:0	(A/B)
Sapling/Shrub Stratum					
1				Prevalence Index worksheet:	
2				OBL species x 1 =	
4				FACW species x 2 =	
5				FAC species x 3 =	
Total Cover:				FACU species x 4 =	
Herb Stratum				UPL species x 5 =	_
1. <u>Vicia villosa</u>		Y_	_	Column Totals: (A)	(B)
2. <u>Erodium botrys</u>				B 1 1 1 B	
3. Avena sativa				Prevalence Index = B/A =	
4. Geranium molle		N_		Hydrophytic Vegetation Indicators:	
5				Dominance Test is >50% Prevalence Index is ≤3.01	
6				Morphological Adaptations <sup>1</sup> (Provide supporting)	na
7				data in Remarks or on a separate sheet)	.9
8Total Cover:				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain	i)
Woody Vine Stratum	100				
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology mu	ust
2				be present.	
Total Cover:	0			Hydrophytic Vegetation	
% Bare Ground in Herb Stratum0 % Cover of	of Biotic Cr	ust		Present? Yes No _✓	
Remarks:					

SOIL Sampling Point: 16b

Profile Desc	ription: (Describe t	o the depth	needed to docui	nent the ii	ndicator	or confirn	n the absen	ce of indicators.)
Depth	Matrix			x Features	5			
(inches)	Color (moist)	%	Color (moist)	%	Type'	Loc <sup>2</sup>	Texture	Remarks
<u>0-10</u>	7.5YR 3/4	100					<u>Clay</u>	_
-								<del></del>
<sup>1</sup> Type: C=Cd	oncentration, D=Depl	etion, RM=R	educed Matrix.	<sup>2</sup> Location	: PL=Por	e Lining, F	RC=Root Cha	annel, M=Matrix.
Hydric Soil I	Indicators: (Applica	ble to all LF	Rs, unless othe	rwise note	ed.)		Indicato	rs for Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Sandy Red	ox (S5)			1 cm	n Muck (A9) (LRR C)
Histic Ep	pipedon (A2)		Stripped Ma	atrix (S6)			2 cm	n Muck (A10) ( <b>LRR B</b> )
Black Hi	stic (A3)		Loamy Mud	ky Mineral	(F1)		Red	uced Vertic (F18)
Hydroge	n Sulfide (A4)		Loamy Gle	yed Matrix	(F2)		Red	Parent Material (TF2)
Stratified	d Layers (A5) ( <b>LRR C</b>	:)	Depleted M	atrix (F3)			Othe	er (Explain in Remarks)
	ck (A9) ( <b>LRR D</b> )		Redox Dark	•	· ·			
	d Below Dark Surface	(A11)	Depleted D					
_	ark Surface (A12)		Redox Dep		<del>-</del> 8)		3	
	flucky Mineral (S1)		Vernal Poo	ls (F9)				ors of hydrophytic vegetation and
	Gleyed Matrix (S4)						wetia	nd hydrology must be present.
	_ayer (if present):							
Type:								,
Depth (inc	ches):		_				Hydric S	oil Present? Yes No
Remarks:								
HYDROLO	GY							
Wetland Hyd	drology Indicators:						Sec	condary Indicators (2 or more required)
Primary India	ators (any one indica	tor is sufficie	ent)					Water Marks (B1) (Riverine)
✓ Surface	Water (A1)		Salt Crust	(B11)				Sediment Deposits (B2) (Riverine)
	ter Table (A2)		Biotic Cru	` '			_	Drift Deposits (B3) (Riverine)
✓ Saturation	` '		Aquatic In		s (B13)		_	Drainage Patterns (B10)
	arks (B1) ( <b>Nonriveri</b>	ne)	Hydrogen					Dry-Season Water Table (C2)
_	nt Deposits (B2) ( <b>Nor</b>	*			` '	Living Poo		Thin Muck Surface (C7)
	posits (B3) (Nonriver		Oxidized i	•	_	-	—	Crayfish Burrows (C8)
	Soil Cracks (B6)	III <i>e)</i>	Recent Iro		,			Saturation Visible on Aerial Imagery (C9)
_	, ,	no ann ( P7)	Other (Ex			reu Solis (		
_	on Visible on Aerial Ir	nagery (br)	Other (Ex	חווווווווווווווווווווווווווווווווווווו	marks)		_	Shallow Aquitard (D3)
	tained Leaves (B9)							FAC-Neutral Test (D5)
Field Obser		,						
Surface Wate			Depth (in			_		
Water Table	Present? Ye	esNo	Depth (in	ches): <u>3</u>				,
Saturation Pr		es <u>   √    </u> No	Depth (in	ches): <u>10</u>	)	Wetl	and Hydrolo	ogy Present? Yes <u>√</u> No
(includes cap								
Describe Re	corded Data (stream	gauge, monit	oring well, aerial	photos, pre	evious ins	pections),	if available:	
Remarks:								

WETLAND DETER	MINATIO	ON DAT	A FORM	– Arid West Region
Project/Site: Stonegate Property	(	Dity/Count	y: <u>Chico/</u>	Butte Sampling Date: 2/15/16
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u> Sampling Point: <u>17b</u>
Investigator(s): Kelly Bayne, Charlottte Marks		Section, T	ownship, Ra	ange: Sec 31&32, Township 22North, Range 2
Landform (hillslope, terrace, etc.): Hillslope				
Subregion (LRR): C				
Soil Map Unit Name: Redtough-Redswale Complex				
Are climatic / hydrologic conditions on the site typical for this				
Are Vegetation, Soil, or Hydrology sig				
Are Vegetation, Soil, or Hydrology na				
SUMMARY OF FINDINGS – Attach site map s				
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No Remarks:			he Sampled hin a Wetlar	d Area nd? Yes No <u>√</u>
<u>Tree Stratum</u> (Use scientific names.)		Species?	t Indicator ≥ Status	Dominance Test worksheet:  Number of Dominant Species
1				That Are OBL, FACW, or FAC:0 (A)
3				Total Number of Dominant Species Across All Strata:3(B)
4Total Cover: Sapling/Shrub Stratum	0			Percent of Dominant Species That Are OBL, FACW, or FAC:0 (A/B)
1				Prevalence Index worksheet:
2				OBL species x 1 =
3. 4				FACW species x 2 =
5				FAC species x 3 =
Total Cover:				FACU species x 4 =
Herb Stratum				UPL species x 5 =
1. <u>Vicia villosa</u>		<u>Y</u>	<u>UPL</u>	Column Totals: (A) (B)
2. <u>Centauria solstitialis</u>		<u>Y</u>	UPL	Droyalanaa Inday - B/A -
3. Avena fatua		<u>Y</u>	UPL	Prevalence Index = B/A =  Hydrophytic Vegetation Indicators:
4. Erodium botrys		N	FACU_	Dominance Test is >50%
5. Elymus caput-medusae			<u>UPL</u>	— Prevalence Index is ≤3.0¹
6 7				Morphological Adaptations <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
Total Cover:				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum				
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present.
2				'
Total Cover:	0			Hydrophytic Vegetation
% Bare Ground in Herb Stratum 0 % Cover of	of Biotic Cr	rust		Present? Yes No _✓
Remarks:				

SOIL Sampling Point: 17b

Profile Desc	cription: (Descri	be to the depth	n needed to docu	ment the i	indicator	or confirn	n the absence	of indicators.)
Depth	Matrix		Redo	x Feature	s			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-12	7.5YR 3/4	100					<u>Clay</u>	
				_	·			
				_				
17			Dealer and Makein	21+:				al BA-BA-tuire
			Reduced Matrix.  RRs, unless othe			e Lining, F		for Problematic Hydric Soils <sup>3</sup> :
-	`	ilicable to all L	•		eu.,			
Histosol			Sandy Rec					luck (A9) (LRR C)
	pipedon (A2)		Stripped M		1.754		_	luck (A10) (LRR B)
	istic (A3)		Loamy Mu					ed Vertic (F18)
	en Sulfide (A4)		Loamy Gle		(F2)		_	arent Material (TF2)
	d Layers (A5) (LR	RC)	Depleted N	` '			Other (	Explain in Remarks)
	uck (A9) ( <b>LRR D</b> )		Redox Dar		` '			
	d Below Dark Sur		Depleted D					
_	ark Surface (A12)		Redox Dep		F8)		3r . r . r	
	Mucky Mineral (S1		Vernal Poo	is (F9)				of hydrophytic vegetation and
	Gleyed Matrix (S4)						wetiand	hydrology must be present.
	Layer (if present)							
Type:								,
Depth (in	ches):						Hydric Soil	Present? Yes No
Remarks:							•	
HYDROLO	GY							
Wetland Hy	drology Indicato	rs:					Secon	dary Indicators (2 or more required)
Primary Indi	cators (any one in	dicator is suffic	ient)				w	ater Marks (B1) ( <b>Riverine</b> )
Surface			Salt Crust	· (B11)				ediment Deposits (B2) ( <b>Riverine</b> )
_	ater Table (A2)		Biotic Cru					rift Deposits (B3) (Riverine)
	` '		_	` ′	- (D42)			
Saturati			Aquatic Ir		` ′		· · · · · · · · · · · · · · · · · · ·	rainage Patterns (B10)
	/larks (B1) ( <b>Nonri</b> v		Hydrogen					ry-Season Water Table (C2)
	nt Deposits (B2) (I		<del></del>		_	_	ots (C3) Th	nin Muck Surface (C7)
Drift De	posits (B3) ( <b>Nonri</b>	verine)	Presence	of Reduce	ed Iron (C	4)	Cı	rayfish Burrows (C8)
Surface	Soil Cracks (B6)		Recent Ire	on Reducti	on in Plov	ved Soils (	C6) Sa	aturation Visible on Aerial Imagery (C9)
Inundati	ion Visible on Aeri	al Imagery (B7)	Other (Ex	plain in Re	emarks)		si	nallow Aquitard (D3)
Water-S	Stained Leaves (B	9)					FA	AC-Neutral Test (D5)
Field Obser	vations:							
Surface Wat	ter Present?	Yes N	o <u>√</u> Depth (ir	iches):				
Water Table			o <u>✓</u> Depth (ir			1		
							and Hudualan	. Ducasent 2 Van No ./
Saturation P	resent? pillary fringe)	resN	o <u>✓</u> Depth (ir	icnes):		_   well	and Hydrology	Present? Yes No
		am gauge, mor	itoring well, aerial	photos, pr	evious ins	spections).	if available:	
Remarks:								
ivernarks.								

WETLAND DETER	MINATIO	ON DAT	A FORM	– Arid West Region	ı	
Project/Site: Stonegate Property		City/County	r: Chico/	Butte	Sampling Date: 2/15/1	16
Applicant/Owner: Epick Homes, Inc.						
Investigator(s): Kelly Bayne/ Charlotte Marks						
Landform (hillslope, terrace, etc.): terrace						<1
Subregion (LRR): C						
Soil Map Unit Name: Redtough-Redswale Complex						
Are climatic / hydrologic conditions on the site typical for this					_	
Are Vegetation, Soil, or Hydrology sign						٥
Are Vegetation, Soil, or Hydrology na	turally prol	blematic?	(If ne	eeded, explain any answe	rs in Remarks.)	
SUMMARY OF FINDINGS - Attach site map s	howing	samplir	ig point l	ocations, transects	, important feature	s, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:  Yes   ✓ No No No			ne Sampled nin a Wetlar	I Area nd? Yes <u>√</u>	No	
	Absolute		Indicator	Dominance Test work	sheet:	
1				Number of Dominant S That Are OBL, FACW,	pecies or FAC:3	(A)
2				Total Number of Domin Species Across All Stra		(B)
4Total Cover: Sapling/Shrub Stratum					or FAC:100	(A/B)
1				Prevalence Index work		
2					Multiply by:	
3					x 1 = x 2 =	
4					x 3 =	
5Total Cover:				FACU species		_
Herb Stratum					x 5 =	_
1. Blennosperma nanum	40	Y	FACW		(A)	
Lepidium latifolium			FAC			
3. <u>Hordeum marinum</u>					= B/A =	
4. <u>Crssula sp.</u>				Hydrophytic Vegetation		
5				✓ Dominance Test is		
6				Prevalence Index is	s ≤3.0° ptations¹ (Provide suppor	. (:
7				data in Remarks	s or on a separate sheet)	ung
8			·	Problematic Hydro	phytic Vegetation¹ (Expla	in)
Total Cover:	95					
1					il and wetland hydrology r	must
2				be present.		
Total Cover:	0			Hydrophytic		
% Bare Ground in Herb Stratum5 % Cover of	of Biotic Cr	rust		Vegetation Present? Ye	s ✓ No	
Remarks:				1		

SOIL Sampling Point: 18a

	cription: (Describe t	o the dep				or confirm	the absence	e of indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	ox Features %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	7.5YR 3/2	90						Rocky
	7.0110/2		7.01100/0			<u> </u>	Oldy	HOOKY
						-		
	oncentration, D=Depl Indicators: (Applica					re Lining, R		nel, M=Matrix. s for Problematic Hydric Soils <sup>3</sup> :
Histosol		abie to all	Sandy Red		, a.,			Muck (A9) (LRR C)
	oipedon (A2)		Stripped M					Muck (A10) (LRR B)
	istic (A3)		Loamy Muc		(F1)			ced Vertic (F18)
	en Sulfide (A4)		Loamy Gle	-				Parent Material (TF2)
	d Layers (A5) ( <b>LRR C</b>	:)	Depleted M				Other	(Explain in Remarks)
1 cm Mu	ıck (A9) ( <b>LRR D</b> )		✓ Redox Dar	k Surface (	F6)			
	d Below Dark Surface	e (A11)	Depleted D					
	ark Surface (A12)		Redox Dep		<del>-</del> 8)		3	
	Mucky Mineral (S1)		Vernal Poc	ls (F9)				of hydrophytic vegetation and
	Bleyed Matrix (S4)  Layer (if present):						wetian	d hydrology must be present.
	-1 ) .						Usadata Cat	1 B
	ches):		<del></del>				Hydric Soi	I Present? Yes No
Remarks:								
HYDROLO	GY							
Wetland Hy	drology Indicators:						Seco	ndary Indicators (2 or more required)
Primary Indi	cators (any one indica	ator is suffi	cient)				\	Water Marks (B1) ( <b>Riverine</b> )
Surface	Water (A1)		Salt Crust	(B11)			;	Sediment Deposits (B2) (Riverine)
High Wa	ater Table (A2)		✓ Biotic Cru	st (B12)			'	Orift Deposits (B3) ( <b>Riverine</b> )
Saturati	on (A3)		Aquatic In	vertebrates	s (B13)		[	Drainage Patterns (B10)
Water N	larks (B1) ( <b>Nonriveri</b>	ne)	Hydrogen	Sulfide Oc	dor (C1)		[	Dry-Season Water Table (C2)
Sedime	nt Deposits (B2) ( <b>Nor</b>	nriverine)	Oxidized	Rhizospher	es along	Living Roo	ots (C3)	Thin Muck Surface (C7)
Drift De	oosits (B3) ( <b>Nonriver</b>	ine)	Presence	of Reduce	d Iron (C	4)	(	Crayfish Burrows (C8)
Surface	Soil Cracks (B6)		Recent Iro	on Reductio	on in Ploy	wed Soils (0	C6) {	Saturation Visible on Aerial Imagery (C9)
Inundati	on Visible on Aerial Ir	magery (B	7) Other (Ex	plain in Re	marks)		;	Shallow Aquitard (D3)
Water-S	tained Leaves (B9)						'	FAC-Neutral Test (D5)
Field Obser	vations:							
Surface Wat	er Present? Ye	es	No <u>  √    </u> Depth (ir	iches):				
Water Table	Present? Ye	es	No <u>√</u> Depth (ir	iches):				
Saturation P	resent? Ye	es	No <u>√</u> Depth (ir	iches):		Wetla	and Hydrolog	gy Present? Yes No
	oillary fringe)						is a called a	
Describe Re	corded Data (stream	gauge, mo	onitoring well, aerial	pnotos, pre	evious in:	spections),	if available:	
Demonstra								
Remarks:								

WETLAND DETERMI	INATIO	ON DA	TA FOR	RM – Arid V	Vest Reg	ion		
Project/Site: Stonegate Property	(	City/Cou	ınty: <u>Chi</u> o	co/ Butte		Sampl	ing Date: <u>2/15</u>	/16
Applicant/Owner: Epick Homes, Inc.								
Investigator(s): Kelly Bayne, Charlotte Marks								
Landform (hillslope, terrace, etc.): terrace								
Subregion (LRR): C L								
Soil Map Unit Name: Redtough-Redswale Complex, 0								
Are climatic / hydrologic conditions on the site typical for this time								
Are Vegetation, Soil, or Hydrology signif							·/ ? Yes <u>√</u>	No
Are Vegetation, Soil, or Hydrology natur								
SUMMARY OF FINDINGS – Attach site map sho	owing	samp	ling poi	nt location	s, transe	cts, impo	ortant featur	es, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No Remarks:	✓			pled Area (etland?	Yes_	N	lo <u>√</u>	
VEGETATION At	solute	Domin	ant Indica	ator Domina	ance Test v	vorksheet:		
1				- Mailinei	of Domina e OBL, FAC		0	_ (A)
2				Total Nu	umber of Do Across All		2	_ (B)
4	0				of Dominar e OBL, FAC		0	_ (A/B)
1				Prevale	nce Index	worksheet:	:	
2				Tot	al % Cover	of:	Multiply by:	
3				OBL sp	ecies	:	x 1 =	
4							x 2 =	
							x 3 =	
Total Cover:	0							
1. Avena barbata	50	Υ	UPL				x 5 =	
2. Hordeum murinum				— Column	lotals:	(	(A)	— (B)
3. Erodium botrys			FACU	J Pr	evalence In	dex = B/A	=	
4.					hytic Vege	tation Indic	cators:	
5					minance Te			
6				Pre	valence Ind			
7				Moi	rphological . data in Rem	Adaptations	6 <sup>1</sup> (Provide supp a separate shee	orling t)
8							egetation¹ (Expl	
Woody Vine Stratum	100					,		
1				1Indicate	ors of hydric	soil and we	etland hydrology	/ must
2.				be pres				
Total Cover:				Hydrop				
% Bare Ground in Herb Stratum0 % Cover of I				Vegetat Present		Voc	No _ <b>√</b>	
Remarks:	2,000 01			1163611		.03	_ 140	

SOIL Sampling Point: 18b

Profile Desc	cription: (Describ	e to the depth	n needed to docu	ment the i	ndicator	or confirm	n the absence	of indicators.)
Depth	Matrix		Redo	x Feature	s			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks Remarks
0-13	7.5YR 3/4	100					Clav loam	Rocky
	-							
	-							
1- 0.0				2,				
			Reduced Matrix.  RRs, unless othe			e Lining, R		nei, M=Matrix. for Problematic Hydric Soils³:
_		ilicable to all L	•		eu.)			
Histosol	. ,		Sandy Red					Muck (A9) (LRR C)
	pipedon (A2)		Stripped M					Muck (A10) (LRR B)
	istic (A3)		Loamy Mu					ed Vertic (F18)
	en Sulfide (A4)		Loamy Gle	="	(F2)			arent Material (TF2)
	d Layers (A5) (LRI	₹ <b>C</b> )	Depleted N				Other	(Explain in Remarks)
_	ıck (A9) ( <b>LRR D</b> )	(4.44)	Redox Dar		` ′			
	d Below Dark Surf	ace (A11)	Depleted D		. ,			
_	ark Surface (A12)		Redox Dep	,	F8)		31	-6 h
	Mucky Mineral (S1)		Vernal Poc	IS (F9)				of hydrophytic vegetation and
	Gleyed Matrix (S4)	_					wetiand	hydrology must be present.
	Layer (if present)							
								,
Depth (in	ches):						Hydric Soil	Present? Yes No✓
Remarks:								
HYDROLO	GY							
Wetland Hy	drology Indicator	s:					Secor	ndary Indicators (2 or more required)
Primary Indi	cators (any one inc	dicator is suffic	ient)				V	Vater Marks (B1) ( <b>Riverine</b> )
Surface			Salt Crust	(B11)				Sediment Deposits (B2) (Riverine)
_	ater Table (A2)		Biotic Cru					Orift Deposits (B3) (Riverine)
	* /		<del></del>	, ,	- (D42)			. , , , , , , , , , , , , , , , , , , ,
Saturati			Aquatic In					Orainage Patterns (B10)
	1arks (B1) ( <b>Nonriv</b>		Hydrogen					ry-Season Water Table (C2)
	nt Deposits (B2) (N		<del></del>		_	_	ots (C3) T	hin Muck Surface (C7)
Drift De	posits (B3) ( <b>Nonri</b>	verine)	Presence	of Reduce	ed Iron (C	4)	<	Crayfish Burrows (C8)
Surface	Soil Cracks (B6)		Recent Iro	n Reducti	on in Plov	ved Soils (		Saturation Visible on Aerial Imagery (C9)
Inundati	on Visible on Aeria	al Imagery (B7)	Other (Ex	plain in Re	marks)		s	Shallow Aquitard (D3)
Water-S	Stained Leaves (B9	)					F	AC-Neutral Test (D5)
Field Obser	vations:							
Surface Wat	er Present?	Yes N	o <u>√</u> Depth (in	ches):				
Water Table	Present?		o ✓ Depth (in					
Saturation P						1	and Hudralaa	y Present? Yes No _✓
	pillary fringe)	162 14	o <u>✓</u> Depth (in	cites)		_   well	and Hydrolog	y Flesent? Tes NO _▼
		ım gauge, mon	nitoring well, aerial	photos, pr	evious ins	spections),	if available:	
Remarks:								
rtemants.								

WETLAND DETER	VIINATIO	ON DATA	A FORM	– Arid West Region		
Project/Site: Stonegate Property	(	City/County	: Chico/	Butte Sa	ampling Date: <u>2/15/16</u>	3
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u> Sa	mpling Point: 19b	
Investigator(s): Kelly Bayne, Charlotte Marks		Section, To	wnship, Ra	nge: Sec 31&32, Towns	ship 22North, Rang	ge 2E
Landform (hillslope, terrace, etc.): terrace					-	_
Subregion (LRR): C						
Soil Map Unit Name: Redtough-Redswale Complex,						
Are climatic / hydrologic conditions on the site typical for this t						
Are Vegetation, Soil, or Hydrology sig						
Are Vegetation, Soil, or Hydrology nat						
SUMMARY OF FINDINGS – Attach site map sl						. etc.
			g pome.		- iportant roataros,	, 0.0.
Hydrophytic Vegetation Present? Yes No		ls th	ne Sampled	l Area		
Hydric Soil Present? Yes No		with	in a Wetlar	nd? Yes	No <u>√</u>	
Wetland Hydrology Present? Yes No Remarks:						
Upland						
Opiarid						
VEGETATION						
,	Absolute	Dominant	Indicator	Dominance Test workshe	et:	
		Species?		Number of Dominant Spec		
1				That Are OBL, FACW, or F	AC:(	(A)
2				Total Number of Dominant	2	
3				Species Across All Strata:	3(	(B)
4 Total Cover:	_			Percent of Dominant Speci		(A (D)
Sapling/Shrub Stratum				That Are OBL, FACW, or F	AC:(	(A/B)
1				Prevalence Index worksh	eet:	
2				Total % Cover of:		
3				OBL species		
4				FACW species		
5				FAC species		
Total Cover: _				UPL species		
1. <u>Vicia villosa</u>	30	Y	UPL	Column Totals:		
2. Avena barbata	30	Y	UPL	Ocidinii Potaro.	_ ( ' '	(5)
3. Elymus caput-medusae	30	Y	<u>UPL</u>		B/A =	-
4. Festuca perennis	10	N	FAC	Hydrophytic Vegetation I		
5				Dominance Test is >50		
6				Prevalence Index is ≤3		
7				Morphological Adaptat data in Remarks or	tions" (Provide supportin on a separate sheet)	ıg
8				Problematic Hydrophy	tic Vegetation¹ (Explain)	)
Total Cover: _ <u>Woody Vine Stratum</u>	100_					
1				<sup>1</sup> Indicators of hydric soil an	d wetland hydrology mu	ust
2				be present.		
Total Cover: _				Hydrophytic		
% Bare Ground in Herb Stratum0 % Cover o	of Biotic Cr	ust		Vegetation Present? Yes	No <u></u> ✓	
Remarks:				_		

SOIL Sampling Point: 19b

Profile Description: (Describe to the depth needs  Depth <u>Matrix</u>	Redox Features	i			·
(inches) Color (moist) % Color	r (moist) %	_Type <sup>1</sup> _	Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-127.5YR 3/4 100				Clay loa	·
					-
17	21 11				
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduce Hydric Soil Indicators: (Applicable to all LRRs, u			Lining, F		nnel, M=Matrix. s for Problematic Hydric Soils³:
	Sandy Redox (S5)	,			Muck (A9) (LRR C)
<u> </u>	Stripped Matrix (S6)				Muck (A10) (LRR B)
	Loamy Mucky Mineral	(F1)			ced Vertic (F18)
	Loamy Gleyed Matrix	(F2)			Parent Material (TF2)
	Depleted Matrix (F3)	<b>-0</b> )		Other	(Explain in Remarks)
	Redox Dark Surface ( Depleted Dark Surface				
· ·	Redox Depressions (F	. ,			
<del></del>	Vernal Pools (F9)	-,		3Indicators	s of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)				wetlan	d hydrology must be present.
Restrictive Layer (if present):					
Type:					,
				Hydric Soi	il Present? Yes No _√_
Type: Depth (inches): Remarks:				Hydric Soi	il Present? Yes No <u>√</u>
Type: Depth (inches): Remarks:					
Type: Depth (inches):  Remarks:  IYDROLOGY  Wetland Hydrology Indicators:				Seco	ondary Indicators (2 or more required)
Type: Depth (inches): Remarks:	Salt Crust (B11)			<u>Secc</u>	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> )
Type: Depth (inches):  Remarks:  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)	Salt Crust (B11) Biotic Crust (B12)			<u>Secc</u>	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> )
Type: Depth (inches):  Remarks:  IYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)	• • • • • • • • • • • • • • • • • • • •	s (B13)		<u>Secc</u>	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> )
Type: Depth (inches):  Remarks:  IYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)	Biotic Crust (B12)	. ,		Seco \ \	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Type:	Biotic Crust (B12) Aquatic Invertebrates Hydrogen Sulfide Od Oxidized Rhizospher	lor (C1) es along L		Second Se	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7)
Type:	Biotic Crust (B12) Aquatic Invertebrates Hydrogen Sulfide Od Oxidized Rhizospher Presence of Reduce	lor (C1) es along L d Iron (C4)	)	Second Se	wondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8)
Type:	Biotic Crust (B12) Aquatic Invertebrates Hydrogen Sulfide Od Oxidized Rhizospher Presence of Reduced Recent Iron Reduction	lor (C1) res along L d Iron (C4) on in Plowe	)	Seccion Seccio	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS
Type:	Biotic Crust (B12) Aquatic Invertebrates Hydrogen Sulfide Od Oxidized Rhizospher Presence of Reduce	lor (C1) res along L d Iron (C4) on in Plowe	)	Seccion Seccio	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3)
Type:	Biotic Crust (B12) Aquatic Invertebrates Hydrogen Sulfide Od Oxidized Rhizospher Presence of Reduced Recent Iron Reduction	lor (C1) res along L d Iron (C4) on in Plowe	)	Seccion Seccio	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS
Type:	Biotic Crust (B12) Aquatic Invertebrates Hydrogen Sulfide Od Oxidized Rhizospher Presence of Reduce Recent Iron Reductic Other (Explain in Rei	or (C1) es along L d Iron (C4) on in Plowe marks)	) ed Soils (	Seccion Seccio	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3)
Type:	Biotic Crust (B12) Aquatic Invertebrates Hydrogen Sulfide Od Oxidized Rhizospher Presence of Reduced Recent Iron Reduction Other (Explain in Reduction Depth (inches):	or (C1) es along L d Iron (C4) on in Plowe marks)	) ed Soils (	Seccion Seccio	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3)
Type:	Biotic Crust (B12) Aquatic Invertebrates Hydrogen Sulfide Od Oxidized Rhizospher Presence of Reduce Recent Iron Reductio Other (Explain in Rei  Depth (inches):  Depth (inches):	or (C1) es along L d Iron (C4) on in Plowe marks)	) ed Soils (	Secondary Second	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type:	Biotic Crust (B12) Aquatic Invertebrates Hydrogen Sulfide Od Oxidized Rhizospher Presence of Reduces Recent Iron Reductic Other (Explain in Res  Depth (inches): Depth (inches):	or (C1) es along L d Iron (C4) on in Plowe marks)	) ed Soils (	Second Se	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3)
Type:	Biotic Crust (B12) Aquatic Invertebrates Hydrogen Sulfide Od Oxidized Rhizospher Presence of Reduces Recent Iron Reductic Other (Explain in Res  Depth (inches): Depth (inches):	or (C1) es along L d Iron (C4) on in Plowe marks)	) ed Soils (	Second Se	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type:	Biotic Crust (B12) Aquatic Invertebrates Hydrogen Sulfide Od Oxidized Rhizospher Presence of Reduces Recent Iron Reductic Other (Explain in Res  Depth (inches): Depth (inches):	or (C1) es along L d Iron (C4) on in Plowe marks)	) ed Soils (	Second Se	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type:	Biotic Crust (B12) Aquatic Invertebrates Hydrogen Sulfide Od Oxidized Rhizospher Presence of Reduces Recent Iron Reductic Other (Explain in Res  Depth (inches): Depth (inches):	or (C1) es along L d Iron (C4) on in Plowe marks)	) ed Soils (	Second Se	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type:	Biotic Crust (B12) Aquatic Invertebrates Hydrogen Sulfide Od Oxidized Rhizospher Presence of Reduces Recent Iron Reductic Other (Explain in Res  Depth (inches): Depth (inches):	or (C1) es along L d Iron (C4) on in Plowe marks)	) ed Soils (	Second Se	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5)

WETLAND DETER	MINATIO	ON DAT	A FORM	– Arid West Region
Project/Site: Stonegate Property	(	City/Count	y: <u>Butte C</u>	County Sampling Date: 2/23/16
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u> Sampling Point: <u>20b</u>
Investigator(s): Kelly Bayne				
Landform (hillslope, terrace, etc.): terrace				
Subregion (LRR): C				
Soil Map Unit Name: Redtough-Redswale Complex				
Are climatic / hydrologic conditions on the site typical for this				
Are Vegetation, Soil, or Hydrology sig				
Are Vegetation, Soil, or Hydrology na				
SUMMARY OF FINDINGS – Attach site map s				
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No Remarks:	_ ✓	ls t	he Sampled	•
<u>Tree Stratum</u> (Use scientific names.)		Species?	t Indicator Status	Dominance Test worksheet:  Number of Dominant Species
1				That Are OBL, FACW, or FAC:1 (A)
2				Total Number of Dominant Species Across All Strata:3 (B)
4Total Cover: Sapling/Shrub Stratum				Percent of Dominant Species That Are OBL, FACW, or FAC:33 (A/B)
1				Prevalence Index worksheet:
2				Total % Cover of:Multiply by:
3				OBL species x 1 = FACW species x 2 =
4				FAC species x 2 =
5Total Cover:				FACU species x 4 =
Herb Stratum				UPL species x 5 =
1. Avena fatua		Y	<u>UPL</u>	Column Totals: (A) (B)
2. <u>Fastuca perennis</u>			FAC	
3. <u>Hordeum marinum</u>			UPL	Prevalence Index = B/A =
4. <u>Erodium botrys</u>			<u>FACU</u>	Hydrophytic Vegetation Indicators:
5				Dominance Test is >50% Prevalence Index is ≤3.0¹
6				Morphological Adaptations <sup>1</sup> (Provide supporting
7				data in Remarks or on a separate sheet)
8Total Cover:				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum	100			
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2				be present.
Total Cover:	0			Hydrophytic Vegetation
% Bare Ground in Herb Stratum0 % Cover of	of Biotic Cr	rust		Present? Yes No
Remarks:				

SOIL Sampling Point: 20b

Profile Desc	cription: (Describ	e to the depth	needed to docu	ment the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redo	x Feature	s			
(inches)	Color (moist)	%	Color (moist)	%	_Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks Remarks
0-12	7.5YR3/3	100		_	·			
				-				
				_				
				_				
				_				
				_				
<sup>1</sup> Type: C=C	oncentration, D=D	epletion, RM=F	Reduced Matrix.	<sup>2</sup> Location	: PL=Por	e Lining, R	C=Root Chani	nel, M=Matrix.
Hydric Soil	Indicators: (Appl	icable to all L	RRs, unless othe	rwise not	ed.)		Indicators	for Problematic Hydric Soils <sup>3</sup> :
Histosol	I (A1)		Sandy Red	ox (S5)			1 cm N	Muck (A9) (LRR C)
	pipedon (A2)		Stripped M					Muck (A10) (LRR B)
Black Hi	istic (A3)		Loamy Mud	ky Minera	l (F1)		Reduc	ed Vertic (F18)
Hydroge	en Sulfide (A4)		Loamy Gle	yed Matrix	(F2)		Red Pa	arent Material (TF2)
Stratified	d Layers (A5) ( <b>LR</b> f	R C)	Depleted M	latrix (F3)			Other	(Explain in Remarks)
1 cm Mu	uck (A9) ( <b>LRR D</b> )		Redox Dar	k Surface	(F6)			
Deplete	d Below Dark Surfa	ace (A11)	Depleted D	ark Surfac	e (F7)			
Thick Da	ark Surface (A12)		Redox Dep	ressions (	F8)			
	Mucky Mineral (S1)		Vernal Poo	ls (F9)				of hydrophytic vegetation and
	Gleyed Matrix (S4)						wetland	hydrology must be present.
Restrictive	Layer (if present):	:						
Type:								
Depth (in	ches):						Hydric Soil	Present? Yes No✓
Remarks:								
<b>HYDROLO</b>	GY							
Wetland Hy	drology Indicator	s:					Secor	ndary Indicators (2 or more required)
_	cators (any one inc		ient)					Vater Marks (B1) (Riverine)
	•	ilcator 13 3dillo		(D44)				, , ,
_	Water (A1)		Salt Crust					Sediment Deposits (B2) (Riverine)
	ater Table (A2)		Biotic Cru	` ′	(540)			Orift Deposits (B3) (Riverine)
Saturati			Aquatic In				<del></del>	Orainage Patterns (B10)
	larks (B1) ( <b>Nonriv</b>		Hydrogen					Pry-Season Water Table (C2)
	nt Deposits (B2) ( <b>N</b>				_	_		hin Muck Surface (C7)
	posits (B3) ( <b>Nonri</b> v	verine)	Presence					Crayfish Burrows (C8)
_	Soil Cracks (B6)		Recent Iro			ved Soils (C		Saturation Visible on Aerial Imagery (C9)
Inundati	ion Visible on Aeria	ıl Imagery (B7)	Other (Ex	plain in Re	marks)		s	Shallow Aquitard (D3)
Water-S	Stained Leaves (B9	)					F	AC-Neutral Test (D5)
Field Obser	vations:							
Surface Wat	er Present?	Yes N	o <u>√</u> Depth (ir	iches):				
Water Table	Present?	Yes N	o <u>√</u> Depth (in	iches):				
Saturation P			o <mark>✓</mark> Depth (ir			1	and Hydrolog	y Present? Yes No _✓_
	pillary fringe)	1031	O Boptii (ii			_   *****	and my droidg	, 11050iii. 105 110 <u></u>
Describe Re	corded Data (strea	m gauge, mon	itoring well, aerial	photos, pr	evious ins	pections),	if available:	
Remarks:								

WETLAND DETERI	VIINATIO	ON DATA	A FORM	– Arid West Region
Project/Site: Stonegate Property		City/County	: Chico/	Butte Sampling Date: <u>2/15/16</u>
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u> Sampling Point: <u>21a</u>
Investigator(s): Kelly Bayne, Charlotte Marks		Section, To	wnship, Ra	nge: Sec 31&32, Township 22North, Range
Landform (hillslope, terrace, etc.):				
Subregion (LRR): C				
Soil Map Unit Name: Redtough-Redswale Complex,				
Are climatic / hydrologic conditions on the site typical for this t				
Are Vegetation, Soil, or Hydrology sig				
Are Vegetation, Soil, or Hydrology nat				
SUMMARY OF FINDINGS – Attach site map sl				
Attach site map si	ilovvillg	Jampini	g pomit i	——————————————————————————————————————
Hydrophytic Vegetation Present? Yes ✓ No Hydric Soil Present? Yes ✓ No Wetland Hydrology Present? Yes ✓ No Remarks:		I	ne Sampled nin a Wetlar	d Area nd? Yes <u>√</u> No
	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:  Number of Dominant Species
1				That Are OBL, FACW, or FAC:3 (A)
3				Total Number of Dominant Species Across All Strata:3 (B)
4 Total Cover:				Percent of Dominant Species That Are OBL, FACW, or FAC:100 (A/E
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species x 1 =
4				FACW species x 2 =
5				FAC species x 3 =
Total Cover: _ Herb Stratum				FACU species x 4 = UPL species x 5 =
1. Hordeum marinum	40	Y	FAC	Column Totals: (A) (B
2. Plagiobothrys stipitatus	20	Y	FACW	(5)
3. Festuca perennis	20	Y	FAC	Prevalence Index = B/A =
4. Blennosperma nanum	15	N	FACW	Hydrophytic Vegetation Indicators:
5				✓ Dominance Test is >50%
6				Prevalence Index is ≤3.01
7				Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Total Cover: Woody Vine Stratum	95_			
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2				be present.
Total Cover:				Hydrophytic
% Bare Ground in Herb Stratum5 % Cover of	of Biotic Cr	ust	0_	Vegetation Present? Yes ✓ No
Remarks:				

SOIL Sampling Point: 21a

Depth (inches)	Matrix Color (moist)	%	Color (moist)	ox Features %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-10	7.5YR 3/2		7.5YR 2.5/1	30				Tromano
0-10	1.318 3/2	00_					Clay	
			7.5YR 4/6	10_	<u>C</u>	<u> PL                                   </u>		
				_				
						_		
1Tuma: 0-0		otion DM	- Daduard Metrix	21 eastion			O-Bast Chan	and Manufacture
	oncentration, D=Deple Indicators: (Applica					ore Lining, i		for Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Red		· · · · · ·			Muck (A9) (LRR C)
	pipedon (A2)		Stripped M					Muck (A10) (LRR B)
Black Hi			Loamy Mud	, ,	(F1)			ed Vertic (F18)
Hydroge	n Sulfide (A4)		Loamy Gle	yed Matrix	(F2)		Red Pa	arent Material (TF2)
	d Layers (A5) (LRR C	;)	Depleted M				Other	(Explain in Remarks)
	ck (A9) (LRR D)	(A44)	✓ Redox Darl	,	,			
	d Below Dark Surface ark Surface (A12)	(ATT)	Depleted D Redox Dep		` ′			
	fucky Mineral (S1)		Vernal Poo		0)		3Indicators	of hydrophytic vegetation and
	Gleyed Matrix (S4)		<del></del>	` /				hydrology must be present.
Restrictive I	_ayer (if present):							
Type:								
Depth (inc	ches):						Hydric Soil	Present? Yes No
Remarks:								
HYDROLO	GY							
							Secor	ndary Indicators (2 or more required)
Wetland Hyd	drology Indicators:	ator is suffi	cient)				· · · · · · · · · · · · · · · · · · ·	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> )
Wetland Hyd	drology Indicators: cators (any one indica	ator is suffi		(B11)			\	vater Marks (B1) ( <b>Riverine</b> )
Wetland Hyd Primary Indic	drology Indicators: cators (any one indica Water (A1)	ator is suffi	Salt Crust	. ,			w s	vater Marks (B1) ( <b>Riverine</b> ) rediment Deposits (B2) ( <b>Riverine</b> )
Wetland Hyd Primary Indic Surface High Wa	drology Indicators: cators (any one indica Water (A1) ter Table (A2)	ator is suffi		st (B12)	s (B13)		W S D	Vater Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine)
Wetland Hyd Primary India Surface High Wa Saturatio	drology Indicators: cators (any one indica Water (A1) ter Table (A2)		Salt Crust ✓ Biotic Cru	st (B12) vertebrate			W S D	vater Marks (B1) ( <b>Riverine</b> ) rediment Deposits (B2) ( <b>Riverine</b> )
Wetland Hyd Primary Indic  Surface High Wa  ✓ Saturatic Water M	drology Indicators: eators (any one indica Water (A1) tter Table (A2) on (A3)	ne)	Salt Crust ✓ Biotic Cru Aquatic In Hydrogen	st (B12) vertebrate Sulfide Oc	lor (C1)	g Living Ro	W s d d	vater Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10)
Wetland Hyd Primary India  Surface High Wa ✓ Saturatia Water M Sedimer	drology Indicators: eators (any one indica Water (A1) tter Table (A2) on (A3) arks (B1) (Nonriveria	ne) nriverine)	Salt Crust ✓ Biotic Cru Aquatic In Hydrogen	st (B12) vertebrate Sulfide Od Rhizosphei	lor (C1) es along		W S D D ots (C3) T	vater Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) rry-Season Water Table (C2)
Wetland Hyd Primary India  Surface High Wa ✓ Saturatia Water M Sedimer Drift Dep	drology Indicators: cators (any one indicators) Water (A1) Iter Table (A2) Iter Table (A3) Iarks (B1) (Nonriveriator) Iter Deposits (B2) (Nonriveriator)	ne) nriverine)	Salt Crust  ✓ Biotic Cru  — Aquatic In  — Hydrogen — Oxidized I	st (B12) vertebrate Sulfide Od Rhizospher of Reduce	lor (C1) es along d Iron (C	24)	W S D D D D tots (C3) T	water Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7)
Wetland Hyd Primary Indic  Surface High Wa ✓ Saturatic Water M Sedimer Drift Dep Surface Inundatic	drology Indicators: cators (any one indicators) Water (A1) Iter Table (A2) In (A3) Iarks (B1) (Nonriveriant Deposits (B2) (Nonriveriant Cator) Soil Cracks (B6) In Visible on Aerial In	ne) nriverine) ine)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Iro	st (B12) vertebrates Sulfide Od Rhizosphel of Reduce on Reduction	lor (C1) es along d Iron (C on in Plo	24)	W S D D D D C(C3) T C C6) S	Water Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rhin Muck Surface (C7) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9) rhallow Aquitard (D3)
Wetland Hyd Primary Indic Surface High Wa ✓ Saturatic Water M Sedimer Drift Dep Surface Inundatic Water-S	drology Indicators: cators (any one indicators) Water (A1) Iter Table (A2) In (A3) Iarks (B1) (Nonriveriant Deposits (B2) (Nonriveriant Caracks (B6) In Visible on Aerial Intained Leaves (B9)	ne) nriverine) ine)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Iro	st (B12) vertebrates Sulfide Od Rhizosphel of Reduce on Reduction	lor (C1) es along d Iron (C on in Plo	24)	W S D D D D C(C3) T C C6) S	Water Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9)
Wetland Hyd Primary India  Surface High Wa ✓ Saturatia Water M Sedimer Drift Dep Surface Inundatia Water-S Field Observ	drology Indicators: cators (any one indicators) Water (A1) Inter Table (A2) Inter Table (A2) Inter Table (A2) Inter Table (B1) (Nonriveriant Deposits (B2) (Nonriveriant Deposits (B3) (Nonriveriant Cracks (B6) Inter Table (B3) (Nonriveriant (B3) (Nonriveriant (B3) (Nonriveriant (B3) (Nonriveriant (B4)) Inter Table (B4) Inter Tab	ne) nriverine) ine) magery (B'	Salt Crust  ✓ Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Ird Other (Ex	st (B12) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction	lor (C1) res along d Iron (C on in Plo marks)	c4) wed Soils (	W S D D D D C(C3) T C C6) S	Water Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rhin Muck Surface (C7) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9) rhallow Aquitard (D3)
Wetland Hyd Primary India  Surface High Wa ✓ Saturatia Water M Sedimer Drift Dep Surface Inundatia Water-S Field Observ Surface Water	drology Indicators: cators (any one indicators) Water (A1) Inter Table (A2) Inter Table (A2) Inter Table (B1) (Nonrivering to Deposits (B2) (Nonrivering to Deposits (B3) (Nonrivering to	ne) nriverine) ine) magery (B'	Salt Crust  ✓ Biotic Cru  — Aquatic In  — Hydrogen  — Oxidized I  — Presence  — Recent Iro  7) Other (Ex	st (B12) vertebrate: Sulfide Oc Rhizosphei of Reduce on Reduction plain in Re	lor (C1) es along d Iron (C on in Plo marks)	c4) wed Soils (	W S D D D D C(C3) T C C6) S	Water Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rhin Muck Surface (C7) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9) rhallow Aquitard (D3)
Wetland Hyd Primary India  Surface High Wa ✓ Saturatia Water M Sedimer Drift Dep Surface Inundatia Water-S Field Observ	drology Indicators: cators (any one indicators) Water (A1) Ater Table (A2) On (A3) Iarks (B1) (Nonrivering) Ater Deposits (B2) (Nonrivering) Soil Cracks (B6) On Visible on Aerial Intained Leaves (B9) vations: er Present? Yes	ne) nriverine) ine) magery (B'	Salt Crust  ✓ Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Ird Other (Ex	st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re sches): ches):	dor (C1) res along d Iron (C on in Plo marks)	e4) wed Soils (	Ots (C3) T C6) S F	Water Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) rry-Season Water Table (C2) rhin Muck Surface (C7) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9) rhallow Aquitard (D3) AC-Neutral Test (D5)
Wetland Hyd Primary India  Surface High Wa ✓ Saturatia Water M Sedimer Drift Dep Surface Inundatia Water-S Field Obsert Surface Water Water Table Saturation Pi	drology Indicators: cators (any one indicators) Water (A1) Ater Table (A2) On (A3) Iarks (B1) (Nonrivering) At Deposits (B2) (Nonrivering) Soil Cracks (B6) On Visible on Aerial Intained Leaves (B9) Vations: er Present? Present? Yes	ne) nriverine) ine) magery (B'	Salt Crust  ✓ Biotic Cru  — Aquatic In  — Hydrogen  — Oxidized I  — Presence  — Recent Iro  7) Other (Ex	st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re sches): ches):	dor (C1) res along d Iron (C on in Plo marks)	e4) wed Soils (	Ots (C3) T C6) S F	Water Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rhin Muck Surface (C7) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9) rhallow Aquitard (D3)
Wetland Hyd Primary Indic  Surface  High Wa ✓ Saturatic  Water M  Sedimer  Drift Dep  Surface Inundatic  Water-S Field Observ Surface Water  Water Table Saturation Principudes cap	drology Indicators: cators (any one indicators) Water (A1) Ater Table (A2) On (A3) Iarks (B1) (Nonrivering) Int Deposits (B2) (Nonrivering) Soil Cracks (B6) Ion Visible on Aerial Intained Leaves (B9) Vations: Ier Present?  Present?  Yeresent?  Yeresent?  Yeresent?  Yeresent?  Yeresent?  Yeresent?  Yeresent?	ne) nriverine) ine) magery (B'	Salt Crust  ✓ Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex  No ✓ Depth (in  No ✓ Depth (in	st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re uches): uches): uches): 6	dor (C1) res along d Iron (C on in Plo marks)	wed Soils (	W   S   S   S   S   S   S   S   S   S	Water Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) rry-Season Water Table (C2) rhin Muck Surface (C7) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9) rhallow Aquitard (D3) AC-Neutral Test (D5)
Wetland Hyd Primary Indic  Surface  High Wa ✓ Saturatic  Water M  Sedimer  Drift Dep  Surface Inundatic  Water-S Field Observ Surface Water  Water Table Saturation Principudes cap	drology Indicators: cators (any one indicators) Water (A1) Ater Table (A2) On (A3) Iarks (B1) (Nonrivering) At Deposits (B2) (Nonrivering) Soil Cracks (B6) On Visible on Aerial Intained Leaves (B9) Vations: er Present? Present? Yes	ne) nriverine) ine) magery (B'	Salt Crust  ✓ Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex  No ✓ Depth (in  No ✓ Depth (in	st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re uches): uches): uches): 6	dor (C1) res along d Iron (C on in Plo marks)	wed Soils (	W   S   S   S   S   S   S   S   S   S	Water Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) rry-Season Water Table (C2) rhin Muck Surface (C7) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9) rhallow Aquitard (D3) AC-Neutral Test (D5)
Wetland Hyd Primary Indic  Surface  High Wa ✓ Saturatic  Water M  Sedimer  Drift Dep  Surface Inundatic  Water-S Field Observ Surface Water  Water Table Saturation Principudes cap	drology Indicators: cators (any one indicators) Water (A1) Ater Table (A2) On (A3) Iarks (B1) (Nonrivering) Int Deposits (B2) (Nonrivering) Soil Cracks (B6) Ion Visible on Aerial Intained Leaves (B9) Vations: Ier Present?  Present?  Yeresent?  Yeresent?  Yeresent?  Yeresent?  Yeresent?  Yeresent?  Yeresent?	ne) nriverine) ine) magery (B'	Salt Crust  ✓ Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex  No ✓ Depth (in  No ✓ Depth (in	st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re uches): uches): uches): 6	dor (C1) res along d Iron (C on in Plo marks)	wed Soils (	W   S   S   S   S   S   S   S   S   S	Water Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) rry-Season Water Table (C2) rhin Muck Surface (C7) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9) rhallow Aquitard (D3) AC-Neutral Test (D5)
Wetland Hyd Primary India  Surface High Wa ✓ Saturatia Water M Sedimer Drift Dep Surface Inundatia Water-S Field Observ Surface Water Water Table Saturation Projection Cludes cap Describe Red	drology Indicators: cators (any one indicators) Water (A1) Ater Table (A2) On (A3) Iarks (B1) (Nonrivering) Int Deposits (B2) (Nonrivering) Soil Cracks (B6) Ion Visible on Aerial Intained Leaves (B9) Vations: Ier Present?  Present?  Yeresent?  Yeresent?  Yeresent?  Yeresent?  Yeresent?  Yeresent?  Yeresent?	ne) nriverine) ine) magery (B'	Salt Crust  ✓ Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex  No ✓ Depth (in  No ✓ Depth (in	st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re uches): uches): uches): 6	dor (C1) res along d Iron (C on in Plo marks)	wed Soils (	W   S   S   S   S   S   S   S   S   S	Water Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) rry-Season Water Table (C2) rhin Muck Surface (C7) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9) rhallow Aquitard (D3) AC-Neutral Test (D5)
Wetland Hyd Primary India  Surface High Wa ✓ Saturatia Water M Sedimer Drift Dep Surface Inundatia Water-S Field Observ Surface Water Water Table Saturation Projection Cludes cap Describe Red	drology Indicators: cators (any one indicators) Water (A1) Ater Table (A2) On (A3) Iarks (B1) (Nonrivering) Int Deposits (B2) (Nonrivering) Soil Cracks (B6) Ion Visible on Aerial Intained Leaves (B9) Vations: Ier Present?  Present?  Yeresent?  Yeresent?  Yeresent?  Yeresent?  Yeresent?  Yeresent?  Yeresent?	ne) nriverine) ine) magery (B'	Salt Crust  ✓ Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex  No ✓ Depth (in  No ✓ Depth (in	st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re uches): uches): uches): 6	dor (C1) res along d Iron (C on in Plo marks)	wed Soils (	W   S   S   S   S   S   S   S   S   S	Water Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) rry-Season Water Table (C2) rhin Muck Surface (C7) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9) rhallow Aquitard (D3) AC-Neutral Test (D5)
Wetland Hyd Primary India  Surface High Wa ✓ Saturatia Water M Sedimer Drift Dep Surface Inundatia Water-S Field Observ Surface Water Water Table Saturation Projection Cludes cap Describe Red	drology Indicators: cators (any one indicators) Water (A1) Ater Table (A2) On (A3) Iarks (B1) (Nonrivering) Int Deposits (B2) (Nonrivering) Soil Cracks (B6) Ion Visible on Aerial Intained Leaves (B9) Vations: Ier Present?  Present?  Yeresent?  Yeresent?  Yeresent?  Yeresent?  Yeresent?  Yeresent?  Yeresent?	ne) nriverine) ine) magery (B'	Salt Crust  ✓ Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex  No ✓ Depth (in  No ✓ Depth (in	st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re uches): uches): uches): 6	dor (C1) res along d Iron (C on in Plo marks)	wed Soils (	W   S   S   S   S   S   S   S   S   S	Water Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) rry-Season Water Table (C2) rhin Muck Surface (C7) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9) rhallow Aquitard (D3) AC-Neutral Test (D5)

WETLAND DETER	MINATIO	ON DAT	A FORM	– Arid West Region		
Project/Site: Stonegate Property	(	City/County	r: Chico/	Butte :	Sampling Date: 2/23/1	6
Applicant/Owner: Epick Homes, Inc.						
Investigator(s): Kelly Bayne, Charlotte Marks						
Landform (hillslope, terrace, etc.): Terrace						
Subregion (LRR): C						
Soil Map Unit Name: Redtough-Redswale Complex						
Are climatic / hydrologic conditions on the site typical for this					· ·	
Are Vegetation, Soil, or Hydrology signature sig						٥
						4_
SUMMARY OF FINDINGS – Attach site map s	nowing	sampiir	ig point i	ocations, transects,	Important reature	s, etc.
Hydrophytic Vegetation Present? Yes No		le th	ne Sampleo	l Δroa		
Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	<u>√</u>			nd? Yes	No ✓	
Remarks:						
VEGETATION						
	Absolute % Cover		Indicator	Dominance Test works		
1				Number of Dominant Spo That Are OBL, FACW, or		(A)
2.						(7 ()
3.				Total Number of Domina Species Across All Strata		(B)
4						(5)
Total Cover:	0			Percent of Dominant Spe That Are OBL, FACW, or		(A/B)
Sapling/Shrub Stratum						()
1				Prevalence Index works		
2				Total % Cover of:		
3				OBL species		
4				FAC species		
5Total Cover:			· ——	FACU species		_
Herb Stratum				UPL species		_
1. Elymus caput-medusae	<u>55</u>	Y	<u>UPL</u>	Column Totals:		
2. Avena sp.	30					
3. Festuca perennis	10	N			= B/A =	
4				Hydrophytic Vegetation		
5				Dominance Test is >		
6				Prevalence Index is		
7				Morphological Adapt data in Remarks	or on a separate sheet)	ling
8				Problematic Hydroph		
Total Cover:	95					
1				<sup>1</sup> Indicators of hydric soil	and wetland hydrology r	nust
2.				be present.		
Total Cover:				Hydrophytic		
% Bare Ground in Herb Stratum5 % Cover of	of Biotic Cr	ust		Vegetation Present? Yes	No _✓	
Remarks:						
Tromand.						

SOIL Sampling Point: 21b

Depth				<u>lox Feature</u>		. 1		
(inches)	Color (moist)	%		%	Type <sup>1</sup>	Loc <sup>2</sup>		Remarks
0-13	7.5YR 3/3	100					<u>Clay</u>	
				_				
	-	· —— –		_			-	_
				_				
	-			_			-	-
Type: C=C	oncentration, D=Depl	letion, RM=F	Reduced Matrix.	<sup>2</sup> Location	n: PL=Por	e Lining, F		
Hydric Soil	Indicators: (Application	able to all L	RRs, unless oth	erwise not	ed.)		Indicator	rs for Problematic Hydric Soils <sup>3</sup> :
Histosol	l (A1)		Sandy Re	dox (S5)			1 cm	Muck (A9) (LRR C)
Histic E	pipedon (A2)		Stripped N	Matrix (S6)			2 cm	Muck (A10) (LRR B)
Black H	istic (A3)		Loamy Mu	icky Minera	ıl (F1)		Redu	uced Vertic (F18)
Hydroge	en Sulfide (A4)		Loamy Gle	eyed Matrix	(F2)		Red	Parent Material (TF2)
	d Layers (A5) ( <b>LRR C</b>	<b>C</b> )	Depleted I	Matrix (F3)			Othe	r (Explain in Remarks)
1 cm Mu	uck (A9) ( <b>LRR D</b> )		Redox Da	rk Surface	(F6)			
	d Below Dark Surface	e (A11)		Dark Surfac				
	ark Surface (A12)			pressions (	F8)			
	Mucky Mineral (S1)		Vernal Po	ols (F9)				rs of hydrophytic vegetation and
	Gleyed Matrix (S4)						wetlan	nd hydrology must be present.
	Layer (if present):							
Restrictive Type: <u>R</u>								
Туре: <u>R</u>			_				Hydric So	oil Present? Yes No _ ✓
Type: <u>R</u> Depth (in Remarks:	ock	sed thro	ughout soil	profile.			Hydric So	oil Present? Yes No <u>√</u>
Type: <u>R</u> Depth (in Remarks: <b>Large r</b> o	ock ches): <u>13</u> ocks interspers	sed thro	ughout soil	profile.			Hydric So	oil Present? Yes No <u>√</u>
Type: R Depth (in Remarks: Large ro	ock ches): 13 ocks interspers	sed thro	ughout soil	profile.				
Type: R Depth (in Remarks: Large ro	ock ches): 13 ocks interspers oGY drology Indicators:			profile.			Seco	ondary Indicators (2 or more required)
Type: R Depth (in Remarks: Large ro  IYDROLO Wetland Hy Primary Indi	ock ches): 13 ocks interspers oGY drology Indicators: cators (any one indicators)		ent)				Seco-	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> )
Type: R Depth (in Remarks: Large ro YDROLO Wetland Hy Primary Indi-	ock ches): 13 ocks interspers oGY drology Indicators: cators (any one indicators) Water (A1)		ent) Salt Crus	st (B11)				ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> )
Type: R Depth (in Remarks: Large ro  IYDROLO Wetland Hy Primary Indi Surface High Wa	ock ches): 13 ocks interspers oGY drology Indicators: cators (any one indicators) Water (A1) ater Table (A2)		ent) Salt Crus Biotic Cru	st (B11) ust (B12)			<u>Sec</u>	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Type: R Depth (in Remarks: Large ro  YDROLO Wetland Hy Primary Indi Surface High Wa Saturati	ock ches): 13  ocks interspers  ogy drology Indicators: cators (any one indicators): Water (A1) ater Table (A2) on (A3)	ator is suffici	ent) Salt Crus Biotic Cru Aquatic I	st (B11) ust (B12) nvertebrate			<u>Seco</u>	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10)
Type: R Depth (in Remarks: Large ro  YDROLO Wetland Hy Primary Indi Surface High Wa Saturati	ock ches): 13 ocks interspers oGY drology Indicators: cators (any one indicators) Water (A1) ater Table (A2)	ator is suffici	ent) Salt Crus Biotic Cru	st (B11) ust (B12) nvertebrate			<u>Seco</u>	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Type: R Depth (in Remarks: Large ro  IYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M	ock ches): 13  ocks interspers  ogy drology Indicators: cators (any one indicators): Water (A1) ater Table (A2) on (A3)	ator is suffici	ent) Salt Crus Biotic Cru Aquatic I	st (B11) ust (B12) nvertebrate n Sulfide Or	dor (C1)	Living Ro	<u>Seco</u>	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10)
Type: R Depth (in Remarks: Large ro  YDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime	ock ches): 13  ocks interspers  ogy drology Indicators: cators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveria	ator is suffici ine) nriverine)	ent) Salt Crus Biotic Cru Aquatic I	st (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe	dor (C1) res along			ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
Type: R Depth (in Remarks: Large ro  YDROLO Wetland Hy Primary Indi Surface High Water M Sedimed Drift De	ock ches): 13  ocks interspers  oGY  drology Indicators: cators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriverint Deposits (B2) (B2) (B2) (B2) (B2) (B2) (B2) (B2)	ator is suffici ine) nriverine)	ent) Salt Crus Biotic Cru Aquatic I Hydrogel Oxidized	st (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe e of Reduce	dor (C1) res along ed Iron (C4	+)	Second Se	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7)
Type: R Depth (in Remarks: Large ro  IYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimel Drift De Surface	ock ches): 13  ocks interspers  ocks int	ator is suffici ine) nriverine) rine)	ent)  Salt Crus Biotic Cru Aquatic I Hydrogel Oxidized Presence Recent Ir	st (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduce ron Reducti	dor (C1) res along ed Iron (C4 ion in Plow	+)	Secondary Second	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8)
Type: R Depth (in Remarks: Large ro  IYDROLO  Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface Inundati	ock ches): 13  ocks interspers  ocators (any one indicators: cators (any one indicators: ocators (any one indicators): ocators (any one indicators): ocators (any one indicators): ocators (any one indicators): ocators (any one indica	ator is suffici ine) nriverine) rine)	ent)  Salt Crus Biotic Cru Aquatic I Hydrogel Oxidized Presence Recent Ir	st (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduce ron Reducti	dor (C1) res along ed Iron (C4 ion in Plow	+)	Sec. ————————————————————————————————————	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8)
Type: R Depth (in Remarks: Large ro  IYDROLO  Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface Inundati	ock ches): 13  ocks interspers  ocks int	ator is suffici ine) nriverine) rine)	ent)  Salt Crus Biotic Cru Aquatic I Hydrogel Oxidized Presence Recent Ir	st (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduce ron Reducti	dor (C1) res along ed Iron (C4 ion in Plow	+)	Sec. ————————————————————————————————————	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Type: R Depth (in Remarks: Large ro  IYDROLO Wetland Hy Primary India Surface High Wa Saturati Water M Sedimel Drift Del Surface Inundati Water-S Field Obser	ock ches): 13  ocks interspers  cators (any one indicators: cators (any one indicators)  water (A1) ater Table (A2) on (A3)  Marks (B1) (Nonriverient Deposits (B2) (Nonriverient Deposits (B3) (Nonriversoil Cracks (B6) ion Visible on Aerial Instained Leaves (B9)  ovations:	ator is suffici ine) nriverine) rine) magery (B7)	ent)  Salt Crus Biotic Cru Aquatic I Hydrogel Oxidized Presence Recent Ir	st (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe e of Reduce ron Reducti xplain in Re	dor (C1) eres along ed Iron (C4 don in Plow emarks)	ed Soils (	Sec. ————————————————————————————————————	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Type: R Depth (in Remarks: Large ro  IYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimel Drift Del Surface Inundati Water-S Field Obser	ock ches): 13  ocks interspers  cators (any one indicators: cators (any one indicators)  vater (A1) ater Table (A2) on (A3)  farks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriversoil Cracks (B6) ion Visible on Aerial Instained Leaves (B9)  vations: ere Present?	ator is suffici	ent)  Salt Crus Biotic Cru Aquatic II Hydrogel Oxidized Presence Recent Ir Other (E:	st (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe e of Reduce on Reducti xplain in Re	dor (C1) eres along ed Iron (C4 on in Plow emarks)	ed Soils (	Sec. ————————————————————————————————————	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Type: R Depth (in Remarks: Large ro  IYDROLO  Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimel Drift Del Inundati Water-S Field Obser Surface Water Table	ock ches): 13  ocks interspers  ocators (any one indicators: cators (any one indicators: ocators (any one indicators) oca	ator is suffici	ent)  Salt Crus Biotic Cru Aquatic I Hydrogei Oxidized Presence Recent Ir Other (Ex	st (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe e of Reduce ron Reducti xplain in Re nches):	dor (C1) eres along ed Iron (C4 on in Plow emarks)	e) red Soils (	Secondary Second	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type: R Depth (in Remarks: Large ro  IYDROLO  Wetland Hy Primary India Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P	ocks interspers ocks intersper	ator is suffici	ent)  Salt Crus Biotic Cru Aquatic II Hydrogel Oxidized Presence Recent Ir Other (E:	st (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe e of Reduce ron Reducti xplain in Re nches):	dor (C1) eres along ed Iron (C4 on in Plow emarks)	e) red Soils (	Secondary Second	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Type: R Depth (in Remarks: Large ro  IYDROLO  Wetland Hy Primary India Surface High Wa Saturati Water M Sedime Drift De Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca	ock ches): 13  ocks interspers  cators (any one indicators: cators (any one indicators)  on (A3)  Marks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B3) (Nonriverint Deposits (B4)	ator is suffici	ent)  Salt Crus Biotic Cru Aquatic I Hydrogel Oxidized Presence Recent Ir Other (Ex	st (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe e of Reduce con Reducti xplain in Re nches):	dor (C1) eres along ed Iron (C4 on in Plow emarks)	red Soils (	Second Se	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type: R Depth (in Remarks: Large ro  IYDROLO  Wetland Hy Primary India Surface High Wa Saturati Water M Sedime Drift De Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca	ocks interspers ocks intersper	ator is suffici	ent)  Salt Crus Biotic Cru Aquatic I Hydrogel Oxidized Presence Recent Ir Other (Ex	st (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe e of Reduce con Reducti xplain in Re nches):	dor (C1) eres along ed Iron (C4 on in Plow emarks)	red Soils (	Second Se	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type: R Depth (in Remarks: Large ro  IYDROLO  Wetland Hy Primary India Surface High Wa Saturati Water M Sedimer Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes cal Describe Re	ock ches): 13  ocks interspers  cators (any one indicators: cators (any one indicators)  on (A3)  Marks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B3) (Nonriverint Deposits (B4)	ator is suffici	ent)  Salt Crus Biotic Cru Aquatic I Hydrogel Oxidized Presence Recent Ir Other (Ex	st (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe e of Reduce con Reducti xplain in Re nches):	dor (C1) eres along ed Iron (C4 on in Plow emarks)	red Soils (	Second Se	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type: R Depth (in Remarks: Large ro  IYDROLO  Wetland Hy Primary India Surface High Wa Saturati Water M Sedime Drift De Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca	ock ches): 13  ocks interspers  cators (any one indicators: cators (any one indicators)  on (A3)  Marks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B3) (Nonriverint Deposits (B4)	ator is suffici	ent)  Salt Crus Biotic Cru Aquatic I Hydrogel Oxidized Presence Recent Ir Other (Ex	st (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe e of Reduce con Reducti xplain in Re nches):	dor (C1) eres along ed Iron (C4 on in Plow emarks)	red Soils (	Second Se	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type: R Depth (in Remarks: Large ro  IYDROLO  Wetland Hy Primary India Surface High Wa Saturati Water M Sedimer Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes cal Describe Re	ock ches): 13  ocks interspers  cators (any one indicators: cators (any one indicators)  on (A3)  Marks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B3) (Nonriverint Deposits (B4)	ator is suffici	ent)  Salt Crus Biotic Cru Aquatic I Hydrogel Oxidized Presence Recent Ir Other (Ex	st (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe e of Reduce con Reducti xplain in Re nches):	dor (C1) eres along ed Iron (C4 on in Plow emarks)	red Soils (	Second Se	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type: R Depth (in Remarks: Large ro  IYDROLO  Wetland Hy Primary India Surface High Wa Saturati Water M Sedimer Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes cal Describe Re	ock ches): 13  ocks interspers  cators (any one indicators: cators (any one indicators)  on (A3)  Marks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B3) (Nonriverint Deposits (B4)	ator is suffici	ent)  Salt Crus Biotic Cru Aquatic I Hydrogel Oxidized Presence Recent Ir Other (Ex	st (B11) ust (B12) nvertebrate n Sulfide Oi Rhizosphe e of Reduce ron Reducti xplain in Re nches):	dor (C1) eres along ed Iron (C4 on in Plow emarks)	red Soils (	Second Se	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)

Project/Site   Stonegate   Property   Chico   Butte   Sampling Date   2/23/16	WETLAND DETERI	MINATIO	ON DAT	A FORM	– Arid West Region		
Section, Township, Range:   Section, Township, Range:   Sec 318.32, Township   22North, Range   22	Project/Site: Stonegate Property		City/County	r: Chico/	Butte	Sampling Date: 2/23/1	6
Local relief (concave, convex, none)	Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u>	Sampling Point: 22b	
Local relief (concave, convex, none)	Investigator(s): Kelly Bayne, Charlotte Marks		Section, To	wnship, Ra	nge: Sec 31&32, Tov	wnship 22North, Rai	nge 2E
Description   Care   Care   Substitute   Care   Care   Substitute   Care   Ca							_
Soliding Unit Name:							
Are climatic / hydrologic conditions on the site typical for this time of year? Yes							
Are Vegetation	·		-	,			
Soliman							•
SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc.  Hydrophylic Vegetation Present? Yes No V within a Wetland? Yes No V Wes No V No							<i></i>
Hydrophytic Vegetation Present?							s. etc.
No	-			9		,	
Number of Dominant Species   Number of Dom			Is th	ne Sampled	d Area		
Number of Dominant Species   Number of Domi	Hydric Soil Present? Yes No	<b>-√</b>	with	nin a Wetlar	nd? Yes	No <u></u>	
Absolute   Dominant Indicator   Species   Status   Species   Status   Species   Spe							
Absolute   Dominant Indicator   Species   Status   Number of Dominant Species   Number of Dominant Sp	Tromanto.						
Absolute   Dominant Indicator   Species   Status   Number of Dominant Species   Number of Dominant Sp							
Absolute   Dominant Indicator   Species   Status   Number of Dominant Species   Number of Dominant Sp							
Absolute   Dominant Indicator   Species   Status   Number of Dominant Species   Number of Dominant Sp	VEGETATION						
Tree Stratum (Use scientific names.)   % Cover   Species?   Status   Number of Dominant Species   That Are OBL, FACW, or FAC:   0   (A)		Absolute	Dominant	Indicator	Dominance Test work	sheet:	
That Are OBL, FACW, or FAC:							
3.	1						(A)
A					Total Number of Domin	ant	
Total Cover: 0	3				Species Across All Stra	ta: <u>2</u>	(B)
Sapling/Shrub Stratum							
Prevalence Index worksheet:   Total % Cover of:    Multiply by:					That Are OBL, FACW, o	or FAC:0	(A/B)
2					Prevalence Index worl	ksheet:	
3					Total % Cover of:	Multiply by:	_
5					OBL species	x 1 =	_
Total Cover: 0	4				FACW species	x 2 =	_
Herb Stratum	5						_
1. Avena fatua 60 Y UPL 2. Erodium botrys 20 Y FACU 3. Elymus caput-medusae 15 N Prevalence Index = B/A =		0					_
2. Erodium botrys 3. Elymus caput-medusae 4. Matricaria discoidea 5 N Hydrophytic Vegetation Indicators: 5		60	V	LIDI			
3. Elymus caput-medusae 4. Matricaria discoidea 5 N Hydrophytic Vegetation Indicators: 5 Dominance Test is >50% 6 Prevalence Index is ≤3.0¹ 7 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 8 Problematic Hydrophytic Vegetation¹ (Explain)  Woody Vine Stratum 1 1Indicators of hydric soil and wetland hydrology must be present.  Total Cover: 0  We Bare Ground in Herb Stratum 0 % Cover of Biotic Crust Present? Yes No✓					Column Totals:	(A)	_ (B)
4. Matricaria discoidea 5 N Hydrophytic Vegetation Indicators:  5 Dominance Test is >50%  6 Prevalence Index is ≤3.0¹  7 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  8 Problematic Hydrophytic Vegetation¹ (Explain)  Woody Vine Stratum  1 O					Prevalence Index	= B/A =	
5	· ·						
6 Prevalence Index is ≤3.0¹  7 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  8 Total Cover: 100					Dominance Test is	>50%	
7					Prevalence Index is	s ≤3.0 <sup>1</sup>	
Total Cover:100					Morphological Adap	plations <sup>1</sup> (Provide suppor	ling
Total Cover:100	8					·	
1	Total Cover:				Problematic Hydrop	onytic vegetation (Explai	ın)
2					Indicators of hydric call	l on duration dibudual and r	na at
Total Cover: 0 Hydrophytic Vegetation % Bare Ground in Herb Stratum 0 % Cover of Biotic Crust Present? Yes No ✓						i and wetland nydrology r	nust
% Bare Ground in Herb Stratum 0 % Cover of Biotic Crust Present? Yes No ✓				·	Hydrophytic		
					Vegetation		
Remarks:		of Biotic Cr	ust		Present? Yes	s No_ <u></u> ✓	
	Remarks:						

SOIL Sampling Point: 22b

Profile Desc	ription: (Describe t	o the depth	needed to docui	nent the i	ndicator	or confirm	the absence	e of indicators.)
Depth	Matrix			x Features		12	T t	Demonder
(inches)	Color (moist)		Color (moist)		_ iype _	Loc <sup>2</sup>	Texture	Remarks
<u>0-12</u>	7.5YR 3/3	100					Loamy 👍	·
								· ·
								· <del></del>
-	-							· <del></del>
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion RM=Re	educed Matrix	<sup>2</sup> Location	 PI =Por	e Linina R	C=Root Char	nnel M=Matrix
	Indicators: (Applica					C Lilling, IV		s for Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Red		,			Muck (A9) (LRR C)
_	pipedon (A2)		Stripped Ma					Muck (A10) (LRR B)
Black Hi			Loamy Mud	, ,	(F1)			ced Vertic (F18)
Hydroge	n Sulfide (A4)		Loamy Gle					Parent Material (TF2)
Stratified	d Layers (A5) ( <b>LRR C</b>	)	Depleted M	atrix (F3)			Other	(Explain in Remarks)
1 cm Mu	ck (A9) ( <b>LRR D</b> )		Redox Dark	Surface (	F6)			
	d Below Dark Surface	(A11)	Depleted D					
_	ark Surface (A12)		Redox Dep		F8)		3	
	Mucky Mineral (S1)		Vernal Poo	IS (F9)				s of hydrophytic vegetation and
	ayer (if present):						wellan	d hydrology must be present.
Type: R							l	
	ches): <u>12</u>		<u> </u>				Hydric Soi	I Present? Yes No✓
Remarks:	(		(					
Rocks in	terspersed the	rougnou	soli profile					
HYDROLO	GY							
Wetland Hv	drology Indicators:						Seco	ondary Indicators (2 or more required)
_	ators (any one indica	tor is sufficie	ent)					Water Marks (B1) ( <b>Riverine</b> )
	Water (A1)		Salt Crust	(B11)				Sediment Deposits (B2) (Riverine)
_	iter Table (A2)		Biotic Crus					Drift Deposits (B3) (Riverine)
Saturation	* *		Aquatic In	. ,	e (B13)			Drainage Patterns (B10)
	arks (B1) ( <b>Nonriveri</b> i	ne)	Hydrogen					Dry-Season Water Table (C2)
	nt Deposits (B2) ( <b>Non</b>				` '	Living Roc		Thin Muck Surface (C7)
_	oosits (B3) ( <b>Nonrive</b> ri	,	Presence		_	-	—	Crayfish Burrows (C8)
	Soil Cracks (B6)	110)	Recent Iro					Saturation Visible on Aerial Imagery (C9)
_	on Visible on Aerial Ir	nagery (B7)	Other (Ex			rea cons (		Shallow Aguitard (D3)
	tained Leaves (B9)	ilagery (Dr)	Outer (Ex	Jidiii iii iko	manks)		_	FAC-Neutral Test (D5)
Field Obser	. , ,							The real at rest (B5)
Surface Wate		s No	✓ Depth (in	oboo):				
						I		
Water Table			Depth (in					- 10 11
Saturation Pi	resent? Ye nillary fringe)	s No	Depth (in	ches):		_   Weti:	and Hydrolog	gy Present? Yes No _✓
	corded Data (stream	gauge, monit	oring well, aerial	photos, pre	evious ins	pections),	if available:	
		<i>3 3</i> ,	<b>J</b>	, , ,		. ,,		
Remarks:								
Kemarks.								

Project/Site: Stonegate Property	(	City/Cour	nty: <u>Chico/Bu</u>	utte	_ Sampling Da	te: 02/25	5/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	_ Sampling Po	int:2	.3b
Investigator(s): Meredith Branstad, Marisa Brilts	:	Section, -	Township, Ra	nge: <u>Sections 31 &amp; 32</u>	, Township 2	2North, Ra	ange 2E
Landform (hillslope, terrace, etc.): terrace		Local reli	ief (concave,	convex, none): convex	(	Slope (%):	
Subregion (LRR): C	Lat: <u>39.</u>	713		_ Long: <u>-121.778</u>	[	)atum: <u>NA</u> l	D83
Soil Map Unit Name: Redtough-Redswale Complex, 0	to 2 Percer	nt Slope	S	NWI classifi	ication: <u>UPL</u>		
Are climatic / hydrologic conditions on the site typical for the	nis time of yea	ar? Yes_	<b>√</b> No_	(If no, explain in I	Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly	disturbed	? Are	"Normal Circumstances"	present? Yes	N	0
Are Vegetation, Soil, or Hydrology	naturally pro	blematic?	? (If ne	eeded, explain any answ	ers in Remarks	.)	
SUMMARY OF FINDINGS – Attach site map	showing	sampli	ing point l	ocations, transects	s, importan	t feature	s, etc.
Hydrophytic Vegetation Present? Yes	No <u>√</u>	Is	the Sampled	d Area			
Hydric Soil Present? Yes I	No		thin a Wetlar		No	_	
Wetland Hydrology Present? Yes   Remarks:	No <u> </u>						
Remarks.							
VEGETATION - Use scientific names of plan	nts.						
T. O (D			nt Indicator	Dominance Test wor	ksheet:		
Tree Stratum (Plot size:)			S? Status	Number of Dominant S		1	(4)
1 2				That Are OBL, FACW,		1	(A)
3				Total Number of Domi Species Across All Str		1	(B)
4							(D)
	0			Percent of Dominant S That Are OBL, FACW,		100	(A/B)
Sapling/Shrub Stratum (Plot size:)							
1				Prevalence Index wo  Total % Cover of:		ultiply by:	
2				OBL species			
3 4				FACW species			
5				FAC species			
	0			FACU species			_
Herb Stratum (Plot size:)				UPL species	x 5 = _	0	_
1. Avena fatua		Yes	UPL	Column Totals:	<u>0</u> (A)	0	_ (B)
2. Geranium sp.		No No	<u>FAC</u>	Prevalence Inde	v - R/Δ -	NaN	
Senecio vulgaris     Hordeum murinum		<u>No</u> No	<u>FACU</u> FACU	Hydrophytic Vegetati			
5. Vicia sp.		No	UPL	✓ Dominance Test is			
6				Prevalence Index			
7				Morphological Ada	aptations <sup>1</sup> (Prov	vide suppor	ting
8.				data in Remark			
		= Total (	Cover	Problematic Hydro	ophytic Vegetat	ion' (Explai	in)
Woody Vine Stratum (Plot size:)				<sup>1</sup> Indicators of hydric so	all and watland	hudrologu, r	······································
1				be present, unless dis			IIuSt
2				Hydrophytic			
0/ Para Craund in Harb Stratum				Vegetation	N	_ /	
% Bare Ground in Herb Stratum % Cove	ei oi biotic Ci	uSI		Present? Yo	es No	<u></u>	
Remarks:							

SOIL Sampling Point: 23b

Profile Description: (Describe to the depth needs	ed to document the indicator or confir	rm the absence of indicators.)
Depth <u>Matrix</u>	Redox Features	_
(inches) Color (moist) % Color	(moist) % Type <sup>1</sup> Loc <sup>2</sup>	Texture Remarks
<u>1-6</u> <u>5YR 3/2</u> <u>100</u>		Clay
<del></del>		
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduce		
Hydric Soil Indicators: (Applicable to all LRRs, u	nless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
	Stripped Matrix (S6)	2 cm Muck (A10) ( <b>LRR B</b> )
	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
	Depleted Matrix (F3)	Other (Explain in Remarks)
	Redox Dark Surface (F6)	
	Depleted Dark Surface (F7)	3 Indicators of hydronhytic vegetation and
	Redox Depressions (F8) Vernal Pools (F9)	<sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present,
Sandy Mucky Milleral (31) Sandy Gleyed Matrix (S4)	vernai Foois (F9)	unless disturbed or problematic.
Restrictive Layer (if present):		unicas disturbed of problematic.
Type:		Herdrie Cell December 1997
Depth (inches):		Hydric Soil Present? Yes No _✓
Remarks:		
no redox / moss growing, small patch,	and worms	
HYDROLOGY		
Wetland Hydrology Indicators:		
	- II 41 4 I. A	(2
Primary Indicators (minimum of one required; check		Secondary Indicators (2 or more required)
	Salt Crust (B11)	Water Marks (B1) (Riverine)
	Biotic Crust (B12)	Sediment Deposits (B2) (Riverine)
	Aquatic Invertebrates (B13)	Drift Deposits (B3) ( <b>Riverine</b> )
	Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
The state of the s		oots (C3) Dry-Season Water Table (C2)
	Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
	Recent Iron Reduction in Tilled Soils (C	C6) Saturation Visible on Aerial Imagery (C9)
Inundation Visible on Aerial Imagery (B7)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Other (Explain in Remarks)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes No _✓	_ Depth (inches):	
Water Table Present? Yes No _✓	Depth (inches):	
		tland Hydrology Present? Yes No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring	well, aerial photos, previous inspections)	), if available:
Remarks:		

Project/Site: Stonegate Property		City/Cour	nty: <u>Chico/ B</u>	utte	Sampling D	oate: 02/2	5/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	Sampling P	oint:	24a
Investigator(s): Meredith Branstad, Marisa Brilts		Section,	Township, Ra	nge: <b>Sections 31 &amp; 3</b>	32, Township	22North, F	Range 2E
Landform (hillslope, terrace, etc.): terrace		Local rel	lief (concave,	convex, none): conca	ave	_ Slope (%)	):
Subregion (LRR): C	Lat: 39.	713		_ Long: <u>-121.78</u>		Datum: NA	\D83
Soil Map Unit Name: Redtough-Redswale Complex, 0	to 2 Perce	nt Slope	!S	NWI class	ification: VP		
Are climatic / hydrologic conditions on the site typical for th	is time of ye	ar? Yes	<b>√</b> No_	(If no, explain ir	n Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly	disturbed	l? Are	"Normal Circumstances	s" present? Ye	es_ <b>√</b> _ N	۷o
Are Vegetation, Soil, or Hydrology	naturally pro	blematic1	? (If ne	eeded, explain any ans	wers in Remark	(s.)	
SUMMARY OF FINDINGS – Attach site map	showing	sampl	ing point l	ocations, transec	ts, importa	nt feature	es, etc.
	No No No		the Sampled		<b>√</b> No		
VEGETATION – Use scientific names of plan  Tree Stratum (Plot size:)	Absolute % Cover	Species	ant Indicator s? Status	Dominance Test wo	t Species		
1				That Are OBL, FACV	V, or FAC:	2	_ (A)
2				Total Number of Dor Species Across All S		2	(B)
4							_ (D)
	0			Percent of Dominant That Are OBL, FACV		100	(A/B)
Sapling/Shrub Stratum (Plot size:)				Prevalence Index w			
1				Total % Cover o		/Jultiply by:	
3.				OBL species			
4				FACW species			
5.				FAC species			
	0	= Total (	Cover	FACU species			
Herb Stratum (Plot size:)				UPL species	x 5 =	0	
1. Eleocharis macrostachya		Yes	<u>OBL</u>	Column Totals:	0 (A)	0	(B)
2. Festuca perennis		<u>Yes</u>	<u>FAC</u>	Dravalance Ind	Joy D/A	NaN	
3. Hordeum murinum			<u>FACU</u>	Hydrophytic Vegeta	dex = B/A =		_
4				✓ Dominance Test		5:	
5				Prevalence Inde			
6				Morphological A		ovida sunnc	ortina
7				data in Rema	arks or on a sep	parate sheet	)
8		= Total (	Cover	Problematic Hyd	drophytic Veget	ation¹ (Expla	ain)
Woody Vine Stratum (Plot size:)  1		_		<sup>1</sup> Indicators of hydric			must
2				be present, unless d	isturbed or prot		
% Bare Ground in Herb Stratum0	0 er of Biotic C	_		Hydrophytic Vegetation Present?	Yes_ <mark>√</mark>	No	
Remarks:							
1							

SOIL Sampling Point: 24a

Profile Desc	ription: (Describe	e to the de	pth needed to docu	ment the	indicator	or confirm	the absence	ce of indicators.)
Depth	Matrix Color (moist)	%	Color (moist)	ox Feature	s Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Domorko
(inches)				%			<u>rexture</u>	
1-12	7.5YR 3/2	85	2.5YR 3/6	_ <u>15</u>	<u>C</u>	PL		clay
				_	<u> </u>			
				_				
	-	_		_	·			
			-					<u> </u>
			1=Reduced Matrix, C			ed Sand Gr		ocation: PL=Pore Lining, M=Matrix.
_		cable to al	I LRRs, unless othe		ea.)			rs for Problematic Hydric Soils <sup>3</sup> :
Histosol	(AT) pipedon (A2)		Sandy Red Stripped M					n Muck (A9) (LRR C) n Muck (A10) (LRR B)
Black His			Loamy Mu		al (F1)			uced Vertic (F18)
	n Sulfide (A4)		Loamy Gle					Parent Material (TF2)
	Layers (A5) (LRR	C)	Depleted N				Othe	er (Explain in Remarks)
	ck (A9) ( <b>LRR D</b> )		✓ Redox Dar					
	Below Dark Surfa	ce (A11)	Depleted [				3	
	rk Surface (A12) lucky Mineral (S1)		Redox Dep Vernal Poo		F8)			rs of hydrophytic vegetation and d hydrology must be present,
_	leyed Matrix (S4)		vemai Foo	015 (17)				disturbed or problematic.
_	ayer (if present):						T	
Туре:								
Depth (inc	ches):						Hydric So	oil Present? Yes No
Remarks:	·						1 -	
	70/							
mang. @								
soft mass	es							
HYDROLO	CV							
_	drology Indicators			. I. A			C	
-		one require	ed; check all that app	-				ondary Indicators (2 or more required)
Surface	ter Table (A2)		Salt Crus					Water Marks (B1) (Riverine)
High wa			Biotic Cru Aquatic Ir		se (D12)			Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
· · · · · · · · · · · · · · · · · · ·	arks (B1) ( <b>Nonriv</b> e	rine)	Aquatic II Hydroger					Drainage Patterns (B10)
	nt Deposits (B2) (No					n Livina Roo		Dry-Season Water Table (C2)
	oosits (B3) ( <b>Nonriv</b>			of Reduce				Crayfish Burrows (C8)
	Soil Cracks (B6)	,	<del></del>			ed Soils (C6	· · · · · · · · · · · · · · · · · · ·	Saturation Visible on Aerial Imagery (C9)
Inundation	on Visible on Aerial	Imagery (I	37) Thin Muc	k Surface	(C7)			Shallow Aquitard (D3)
Water-S	tained Leaves (B9)		Other (Ex	plain in Re	emarks)			FAC-Neutral Test (D5)
Field Observ	vations:							
Surface Wate	er Present?	Yes	No <u>√</u> Depth (ir	nches):				
Water Table	Present?	Yes	No <u>√</u> Depth (ir	nches):				
Saturation Pr (includes cap	esent?		No Depth (in				and Hydrolo	ogy Present? Yes No
Describe Red	corded Data (stream	m gauge, m	nonitoring well, aerial	photos, pr	evious in	spections),	if available:	
Remarks:								
water fille	ed fast to 2"							

Project/Site: Stonegate Property	(	City/Coun	ty: <u>Chico/ B</u>	utte	_ Sampling Date: <u>0</u>	2/25/2016
Applicant/Owner: Epick Homes, Inc.	State: <u>CA</u> Samp					24b
Investigator(s): Meredith Branstad, Marisa Brilts	:	Section, T	ownship, Ra	nge: <u>Sections 31 &amp; 32</u>	, Township 22Nort	h, Range 2E
Landform (hillslope, terrace, etc.): terrace		Local reli	ef (concave, o	convex, none): convex	Slope	(%):
Subregion (LRR): C	Lat: 39.	716		_ Long: <u>-121.78</u>	Datum:	NAD83
Soil Map Unit Name: Redtough-Redswale Complex, 0	to 2 Percer	nt Slopes	<b>i</b>	NWI classifi	cation: <u>UPL</u>	
Are climatic / hydrologic conditions on the site typical for th	is time of yea	ar? Yes_	✓ No	(If no, explain in F	Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly (	disturbed?	? Are "	'Normal Circumstances"	present? Yes	No
Are Vegetation, Soil, or Hydrology				eeded, explain any answe		
SUMMARY OF FINDINGS – Attach site map	showing	sampli	ng point l	ocations, transects	s, important feat	ures, etc.
Hydrophytic Vegetation Present? Yes <u>√</u> N	Vo	Ist	the Sampled	Area		
Hydric Soil Present? Yes N			thin a Wetlar		No <u>√</u> _	
Wetland Hydrology Present? Yes N	Vo <u> </u>					
Remarks:						
VEGETATION – Use scientific names of plan	nts.					
	Absolute	Dominar	nt Indicator	Dominance Test work	ksheet:	
Tree Stratum (Plot size:)			? Status	Number of Dominant S		
1				That Are OBL, FACW,	or FAC: 2	(A)
2				Total Number of Domir		(D)
3				Species Across All Stra	ata: <u>2</u>	(B)
T	0			Percent of Dominant S That Are OBL, FACW,		(A/R)
Sapling/Shrub Stratum (Plot size:)		,				(A/D)
1				Prevalence Index wor		
2				Total % Cover of:		_
3				OBL species		
4.         5.				FAC species		
J	0			FACU species		
Herb Stratum (Plot size:)				UPL species		
1. Festuca perennis		Yes	FAC	Column Totals:	<u>)</u> (A) <u> </u>	) (B)
2. Hordeum marinum		Yes	<u>FAC</u>	Dravalanca Indox	x = B/A = <b>N</b> aN	ı
3. Avena fatua		No No	UPL TAG	Hydrophytic Vegetati	<u> </u>	<u> </u>
4. Rumex crispus 5. Vicia sp.	1	<u>No</u> No	_ <u>FAC</u> UPL	✓ Dominance Test is		
6. Plantago erecta		No	UPL	Prevalence Index		
7				Morphological Ada	aptations <sup>1</sup> (Provide su	upporting
8.					ks or on a separate sh	
	100	= Total C	Cover	Problematic Hydro	ophytic Vegetation' (E	Explain)
Woody Vine Stratum (Plot size:)				<sup>1</sup> Indicators of hydric so	all and watland bydral	oav must
1				be present, unless dist		
2	0		`ovor	Hydrophytic		
				Vegetation	/	
% Bare Ground in Herb Stratum % Cove	er of Biotic Cr	ust		Present? Ye	es No	
Remarks:						

SOIL Sampling Point: 24b

Depth	Matrix		Redox Features	1 2		
(inches)	Color (moist)	%	Color (moist) % Type	Loc <sup>2</sup>	<u>Texture</u>	Remarks
1-6	7.5YR 3/3	100				
			-			
	-		<del></del>			
	-					
	-					
<sup>1</sup> Type: C=Co	oncentration, D=De	oletion, RM=I	Reduced Matrix, CS=Covered or Co	— ——— ated Sand Gr	rains. <sup>2</sup> Locati	ion: PL=Pore Lining, M=Matrix.
			RRs, unless otherwise noted.)			r Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Sandy Redox (S5)		1 cm Mud	ck (A9) (LRR C)
	pipedon (A2)		Stripped Matrix (S6)			ck (A10) ( <b>LRR B</b> )
Black His	•		Loamy Mucky Mineral (F1)			Vertic (F18)
Hydroge	n Sulfide (A4)		Loamy Gleyed Matrix (F2)		Red Pare	ent Material (TF2)
	d Layers (A5) ( <b>LRR</b>	C)	Depleted Matrix (F3)		Other (E)	plain in Remarks)
	ıck (A9) ( <b>LRR D</b> )		Redox Dark Surface (F6)			
•	d Below Dark Surfac	ce (A11)	Depleted Dark Surface (F7)		3	
	ark Surface (A12)		Redox Depressions (F8)			hydrophytic vegetation and
_	Mucky Mineral (S1) Gleyed Matrix (S4)		Vernal Pools (F9)		-	drology must be present, urbed or problematic.
	_ayer (if present):				unless disti	arbed or problematic.
	zayor (ii prosoniy.					
J	ches):				Hydric Soil Dr	esent? Yes No
Remarks:	Liles):				nyuric 30ii Pi	esent: YesNO
IYDROLO	GY					
Wetland Hyd	drology Indicators		check all that apply)		Seconda	ary Indicators (2 or more required)
Wetland Hyd Primary Indic	drology Indicators cators (minimum of		check all that apply)			ary Indicators (2 or more required)
Wetland Hyd Primary Indic Surface	drology Indicators cators (minimum of Water (A1)		Salt Crust (B11)		Wat	er Marks (B1) (Riverine)
Wetland Hyd Primary Indic Surface ' High Wa	drology Indicators cators (minimum of Water (A1) Iter Table (A2)		Salt Crust (B11) Biotic Crust (B12)		Wat Sed	er Marks (B1) ( <b>Riverine</b> ) iment Deposits (B2) ( <b>Riverine</b> )
Wetland Hyd Primary Indic Surface Surface High Wa	drology Indicators cators (minimum of Water (A1) uter Table (A2) on (A3)	one required;	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)		Wat Sed Drift	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine)
Wetland Hyd Primary Indic Surface High Wa Saturatic Water M	drology Indicators eators (minimum of Water (A1) hter Table (A2) on (A3) larks (B1) (Nonrive	one required; rine)	<ul><li>Salt Crust (B11)</li><li>Biotic Crust (B12)</li><li>Aquatic Invertebrates (B13)</li><li>Hydrogen Sulfide Odor (C1</li></ul>	)	Wat Sed Drift Drai	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10)
Wetland Hyd Primary Indic Surface High Wa Saturatio Water M Sedimen	drology Indicators cators (minimum of a Water (A1) ater Table (A2) on (A3) larks (B1) (Nonrive at Deposits (B2) (No	one required; rine) onriverine)	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1</li> <li>Oxidized Rhizospheres alor</li> </ul>	) ng Living Roo	Wat Sed Drift Drai ots (C3) Dry-	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2)
Wetland Hyd Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep	cators (minimum of other (A1) where (A1) where Table (A2) on (A3) larks (B1) (Nonrive ont Deposits (B2) (No	one required; rine) onriverine)	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1</li> <li>Oxidized Rhizospheres alor</li> <li>Presence of Reduced Iron</li> </ul>	) ng Living Roo (C4)	Wat Sed Drift Drai ots (C3) Dry- Cray	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8)
Wetland Hyd Primary Indic Surface High Wa Saturatio Water M Sedimen Drift Dep Surface	cators (minimum of exators (minimum of exators (minimum of exators (A1))  Inter Table (A2)  Inter Tabl	one required; rine) onriverine) erine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 Oxidized Rhizospheres alor Presence of Reduced Iron Recent Iron Reduction in Ti	) ng Living Roo (C4)	Wat Sed Drift Drai ots (C3) Dry Cray o) Satu	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) uration Visible on Aerial Imagery (C9)
Wetland Hyd Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Surface Inundation	cators (minimum of other (A1)  Inter Table (A2)  In (A3)  Iarks (B1) (Nonrive  In Deposits (B2) (Noncive  In Desits (B3) (Nonrive  In Desits (B4)	one required; rine) onriverine) erine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 Oxidized Rhizospheres alor Presence of Reduced Iron Recent Iron Reduction in Ti Thin Muck Surface (C7)	) ng Living Roo (C4)	Wat Sed Drift Drai ots (C3) Dry- Cray o) Satu Sha	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3)
Wetland Hyc Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Surface Inundatic Water-Si	drology Indicators eators (minimum of other (A1) Inter Table (A2) Inter Ta	one required; rine) onriverine) erine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 Oxidized Rhizospheres alor Presence of Reduced Iron Recent Iron Reduction in Ti	) ng Living Roo (C4)	Wat Sed Drift Drai ots (C3) Dry- Cray o) Satu Sha	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) uration Visible on Aerial Imagery (C9)
Wetland Hyd Primary Indic Surface High Wa Saturatio Water M Sedimen Drift Dep Surface Inundatio Water-Si	drology Indicators cators (minimum of other (A1) ater Table (A2) on (A3) larks (B1) (Nonrive at Deposits (B2) (No cosits (B3) (Nonrive Soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations:	one required; rine) onriverine) erine) Imagery (B7)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 Oxidized Rhizospheres alor Presence of Reduced Iron Recent Iron Reduction in Ti Thin Muck Surface (C7) Other (Explain in Remarks)	) ng Living Roo C4) Iled Soils (C6	Wat Sed Drift Drai ots (C3) Dry- Cray o) Satu Sha	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3)
Wetland Hyd Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Surface Inundatic Water-Si Field Observ Surface Water	drology Indicators cators (minimum of a Water (A1) Ater Table (A2) On (A3) Alarks (B1) (Nonrive At Deposits (B2) (No cosits (B3) (Nonrive Soil Cracks (B6) On Visible on Aerial tained Leaves (B9) vations: er Present?	one required; rine) onriverine) erine) Imagery (B7)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 Oxidized Rhizospheres alor Presence of Reduced Iron Recent Iron Reduction in Ti Thin Muck Surface (C7) Other (Explain in Remarks)	) ng Living Roo (C4) Illed Soils (C6	Wat Sed Drift Drai ots (C3) Dry- Cray o) Satu Sha	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3)
Primary Indice Surface High Wa Saturatio Water M Sedimen Drift Dep Surface Inundatio Water-Si Field Observ Surface Water	drology Indicators eators (minimum of other (A1) ster Table (A2) on (A3) larks (B1) (Nonrive nt Deposits (B2) (No cosits (B3) (Nonrive Soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations: er Present?	one required; rine) onriverine) erine) Imagery (B7) Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 Oxidized Rhizospheres alor Presence of Reduced Iron Recent Iron Reduction in Ti Thin Muck Surface (C7) Other (Explain in Remarks)	ng Living Roo (C4) Illed Soils (C6	Wat Sed Drift Drai ots (C3) Cray Cray o) Satu Sha FAC	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3) S-Neutral Test (D5)
Wetland Hyd Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Surface Inundatic Water-Si Field Observ Surface Water Saturation Pr	drology Indicators eators (minimum of other (A1) ster Table (A2) on (A3) larks (B1) (Nonrive nt Deposits (B2) (No cosits (B3) (Nonrive Soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations: er Present?	one required; rine) onriverine) erine) Imagery (B7) Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 Oxidized Rhizospheres alor Presence of Reduced Iron Recent Iron Reduction in Ti Thin Muck Surface (C7) Other (Explain in Remarks)	ng Living Roo (C4) Illed Soils (C6	Wat Sed Drift Drai ots (C3) Cray Cray o) Satu Sha FAC	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3)
Wetland Hyd Primary Indice Surface High Wa Saturatic Water M Sedimen Drift Dep Surface Inundatic Water-Si Field Observ Surface Water Table Saturation Pr (includes cap	drology Indicators eators (minimum of or	rine) porriverine) erine) Imagery (B7)  Yes N Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 Oxidized Rhizospheres alor Presence of Reduced Iron Recent Iron Reduction in Ti Thin Muck Surface (C7) Other (Explain in Remarks)	ng Living Roo (C4) Illed Soils (C6	Wat  Wat  Sed  Drift  Drai  ots (C3) Cray  Satu  FAC	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3) S-Neutral Test (D5)
Primary Indic  Surface High Wa Saturatic Water M Sedimen Drift Dep Surface Inundatic Water-Si Field Observ Surface Water Table Saturation Pr (includes cap	drology Indicators eators (minimum of or	rine) porriverine) erine) Imagery (B7)  Yes N Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 Oxidized Rhizospheres alor Presence of Reduced Iron Recent Iron Reduction in Ti Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches): Depth (inches):	ng Living Roo (C4) Illed Soils (C6	Wat  Wat  Sed  Drift  Drai  ots (C3) Cray  Satu  FAC	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3) S-Neutral Test (D5)
Wetland Hyden Primary Indice Surface High Wa Saturatio Water M Sedimen Drift Dep Surface Inundatio Water-Sield Observ Surface Water Table Saturation Pr (includes cap	drology Indicators eators (minimum of or	rine) porriverine) erine) Imagery (B7)  Yes N Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 Oxidized Rhizospheres alor Presence of Reduced Iron Recent Iron Reduction in Ti Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches): Depth (inches):	ng Living Roo (C4) Illed Soils (C6	Wat  Wat  Sed  Drift  Drai  ots (C3) Cray  Satu  FAC	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3) S-Neutral Test (D5)
Wetland Hyc Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Surface Inundatic Water-Si Field Observ Surface Water Water Table Saturation Pr (includes cap	drology Indicators eators (minimum of or	rine) porriverine) erine) Imagery (B7)  Yes N Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 Oxidized Rhizospheres alor Presence of Reduced Iron Recent Iron Reduction in Ti Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches): Depth (inches):	ng Living Roo (C4) Illed Soils (C6	Wat  Wat  Sed  Drift  Drai  ots (C3) Cray  Satu  FAC	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3) S-Neutral Test (D5)
Wetland Hyc Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Surface Inundatic Water-Si Field Observ Surface Water Water Table Saturation Pr (includes cap	drology Indicators eators (minimum of or	rine) porriverine) erine) Imagery (B7)  Yes N Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 Oxidized Rhizospheres alor Presence of Reduced Iron Recent Iron Reduction in Ti Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches): Depth (inches):	ng Living Roo (C4) Illed Soils (C6	Wat  Wat  Sed  Drift  Drai  ots (C3) Cray  Satu  FAC	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3) S-Neutral Test (D5)
Wetland Hyc Primary Indic Surface High Wa Saturatio Water M Sedimen Drift Dep Surface Inundatio Water-Si Field Observ Surface Water Water Table Saturation Pr (includes cap	drology Indicators eators (minimum of or	rine) porriverine) erine) Imagery (B7)  Yes N Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 Oxidized Rhizospheres alor Presence of Reduced Iron Recent Iron Reduction in Ti Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches): Depth (inches):	ng Living Roo (C4) Illed Soils (C6	Wat  Wat  Sed  Drift  Drai  ots (C3) Cray  Satu  FAC	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3) S-Neutral Test (D5)

Project/Site: Stonegate Property		City/Cou	inty: <u>Chico/ B</u>	Sampling Date: 02/25/2016			
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u>	Sampling P	oint:	25b
Investigator(s): Meredith Branstad, Marisa Brilts		Section,	Township, Ra	nge: <b>Sections 31 &amp;</b> 3	32, Township	22North, F	Range 2E
Landform (hillslope, terrace, etc.): terrace		Local re	elief (concave,	convex, none): conca	ave	_ Slope (%)	):
Subregion (LRR): C	Lat: 39.	713		_ Long: <u>-121.78</u>		Datum: NA	\D83
Soil Map Unit Name: Doemill-Jokerst Complex, 3 to 8	Percent Sl	opes		NWI class	ification: UPL		
Are climatic / hydrologic conditions on the site typical for th	is time of ye	ar? Yes	<b>✓</b> No	(If no, explain ir	n Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly	disturbed	d? Are	'Normal Circumstances	s" present? Ye	es_ <b>√</b> _ N	۷o
Are Vegetation, Soil, or Hydrology	naturally pro	blematic	:? (If ne	eeded, explain any ans	wers in Remark	(s.)	
SUMMARY OF FINDINGS – Attach site map	showing	samp	ling point l	ocations, transec	ts, importa	nt feature	es, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:  Yes   ✓ I  Yes   ✓ I  Yes   ✓ I			s the Sampled vithin a Wetlar		No	<u>✓</u>	
Photo 2 NW							
VEGETATION – Use scientific names of plan	nts.						
	Absolute		ant Indicator	Dominance Test we	orksheet:		
Tree Stratum (Plot size:)	<u> </u>		es? Status	Number of Dominan		2	(4)
1 2				That Are OBL, FACV	v, or FAC:	2	_ (A)
3				Total Number of Dor Species Across All S		2	(B)
4.							_ (D)
	0			Percent of Dominant That Are OBL, FAC		100	(A/B)
Sapling/Shrub Stratum (Plot size:)				Prevalence Index w	orkshoot:		
1				Total % Cover o		/lultiply by:	
3.				OBL species			
4.				FACW species			
5.				FAC species			
	0	= Total	Cover	FACU species	x 4 =	0	
Herb Stratum (Plot size:)				UPL species	x 5 =	0	
1. Festuca perennis		Yes	<u>FAC</u>	Column Totals:	0 (A)	0	(B)
2. <u>Eleocharis macrostachya</u>			OBL_	Drovolongo Ind	lex = B/A =	NaN	
3. Geranium sp.			<u>UPL</u>	Hydrophytic Vegeta			<del>_</del>
4				✓ Dominance Tes		5.	
5				Prevalence Inde			
6				Morphological A		ovide suppc	ortina
7 8				data in Rema	arks or on a sep	parate sheet	)
0		= Total	Cover	Problematic Hyd	Irophytic Veget	ation¹ (Expla	ain)
Woody Vine Stratum (Plot size:)  1		_		<sup>1</sup> Indicators of hydric			must
2				be present, unless d	isturbed of prot	леттанс.	
% Bare Ground in Herb Stratum 70 % Cove	0 er of Biotic C			Hydrophytic Vegetation Present?	Yes <u>√</u> I	No	
Remarks:							
Tomario.							

SOIL Sampling Point: 25b

Profile Desc	ription: (Describe	to the dep	oth needed to docu	ment the	indicator	or confirm	n the absence of indi	cators.)
Depth	Matrix			x Feature				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	Remarks
1-4	7.5YR 3/3	95	5YR 4/6	5	<u>C</u>		clay/loam_	
4-6	7.5YR 5/8	95	10YR 3/3	5				
					-			
		<del></del>		<del>-</del>	<del>-</del>			
	-							
					_			
<sup>1</sup> Type: C=Co	oncentration D=Der	letion RM	=Reduced Matrix, C	S=Covere	d or Coate	ed Sand G	rains <sup>2</sup> Location:	PL=Pore Lining, M=Matrix.
			LRRs, unless othe			ca Sana S		oblematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Red		·		1 cm Muck (A	•
	pipedon (A2)		Stripped M				2 cm Muck (A	
Black His			Loamy Mud		al (F1)		Reduced Vert	
Hydroge	n Sulfide (A4)		Loamy Gle	yed Matrix	k (F2)		Red Parent M	aterial (TF2)
	l Layers (A5) ( <b>LRR</b>	C)	Depleted M	latrix (F3)			Other (Explain	ı in Remarks)
	ick (A9) ( <b>LRR D</b> )		Redox Dari					
•	d Below Dark Surfac	e (A11)	Depleted D				3	
	ark Surface (A12)		Redox Dep		(F8)			ophytic vegetation and
-	lucky Mineral (S1)		Vernal Poo	IS (F9)			-	gy must be present, d or problematic.
	leyed Matrix (S4)  ayer (if present):						uniess disturbed	1 or problematic.
Type:	Luyer (ii present).							
j							Hudria Sail Drasar	nt? Yes No ✓
	ches):		<del></del>				Hydric Soil Preser	nt? Yes No
Remarks:								
Mn @ 5%	5 1-6"							
soft mass								
5010111455								
HYDROLO	GY							
Wetland Hyd	drology Indicators:	:						
			ed; check all that app	lv)			Secondary In	dicators (2 or more required)
Surface '	•	•	Salt Crust					arks (B1) (Riverine)
	ter Table (A2)		Biotic Cru	` '				t Deposits (B2) ( <b>Riverine</b> )
Saturatio			Aquatic In		es (B13)			osits (B3) ( <b>Riverine</b> )
	arks (B1) ( <b>Nonriver</b>	ine)	Hydrogen				·	e Patterns (B10)
	nt Deposits (B2) ( <b>No</b>					Livina Roc	ots (C3) Dry-Seas	
	oosits (B3) ( <b>Nonrive</b>		Presence					Burrows (C8)
	Soil Cracks (B6)		Recent Iro					n Visible on Aerial Imagery (C9)
	on Visible on Aerial	Imagery (B					Shallow	
	tained Leaves (B9)	magory (E	Other (Ex					utral Test (D5)
Field Observ				piani iii it				
Surface Water		/es	No <u>✓</u> Depth (in	iches).				
Water Table			No ✓ Depth (in					
			No ✓ Depth (in				land Hudrology Proce	ent? Yes _ ✓ No
Saturation Pr (includes cap		es	No <u>v</u> Deptii (iii	iches):		_   well	ianu nyurology Prese	int: Yes <u>v</u> No
		n gauge, m	onitoring well, aerial	photos, p	revious ins	spections),	if available:	
Remarks:								
matted do	own veg							
	J							

Project/Site: Stonegate Property		City/Cou	ınty: <u>Chico/ B</u>	Sampling Date: 02/25/2016			
Applicant/Owner: Epick Homes, Inc.				Sampling P	oint:	25c	
Investigator(s): Meredith Branstad/ Marisa Brilts		Section,	Township, Ra	nge: <b>Sections 31 &amp; 3</b>	2, Township	22North, F	Range 2E
Landform (hillslope, terrace, etc.): terrace		Local re	elief (concave,	convex, none): conca	ive	_ Slope (%)	):
Subregion (LRR): C	Lat: <u>39.</u>	713		_ Long: <u>-121.78</u>		Datum: NA	4D83
Soil Map Unit Name: Doemill-Jokerst Complex, 3 to 8	Percent Sl	opes		NWI class	ification: UPL		
Are climatic / hydrologic conditions on the site typical for th	is time of ye	ar? Yes	No	(If no, explain ir	n Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly	disturbe	d? Are	"Normal Circumstances	s″ present? Y∈	es <u>/</u> 1	Vo
Are Vegetation, Soil, or Hydrology	naturally pro	blematic	:? (If ne	eeded, explain any ans	wers in Remark	(s.)	
SUMMARY OF FINDINGS – Attach site map	showing	samp	ling point l	ocations, transec	ts, importa	nt feature	es, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:  Yes  ✓  Yes  ✓  Remarks:			s the Sampled vithin a Wetlai		No	<u>✓</u>	
Photo 2 NW							
VEGETATION – Use scientific names of plan	nts.						
· .	Absolute		ant Indicator	Dominance Test wo	orksheet:		
Tree Stratum (Plot size:)			es? Status	Number of Dominant		2	(4)
1 2				That Are OBL, FACV	v, or FAC:	2	_ (A)
3.				Total Number of Dor Species Across All S		2	(B)
4.							_ (D)
	0			Percent of Dominant That Are OBL, FACV		100	_ (A/B)
Sapling/Shrub Stratum (Plot size:)				Prevalence Index w	orkshoot:		
1 2				Total % Cover o		Aultiply by:	
3.				OBL species			
4.				FACW species			
5.				FAC species			
	0	= Total	Cover	FACU species	x 4 =	. 0	
Herb Stratum (Plot size:)				UPL species	x 5 =	· <u> </u>	
1. Festuca perennis		Yes	<u>FAC</u>	Column Totals:	0 (A)	0	(B)
2. Eleocharis macrostachya		Yes	OBL_	Prevalence Ind	lov D/A	NaN	
3. Geranium sp.			UPL	Hydrophytic Vegeta			
4				✓ Dominance Test		S:	
5				Prevalence Inde			
6				Morphological A		nvide sunnr	ortina
7			<del></del>	data in Rema	arks or on a sep	parate sheet	.)
8		= Total	Cover	Problematic Hyd	Irophytic Veget	ation <sup>1</sup> (Expl	ain)
Woody Vine Stratum (Plot size:)  1		_		<sup>1</sup> Indicators of hydric			must
2				be present, unless d	sturbed or prod	Diematic.	
00	0	<del>-</del> '		Hydrophytic Vegetation			
% Bare Ground in Herb Stratum 80 % Cove	er ot Biotic C	rust		Present?	Yes <u>√</u> I	No	
Remarks:							

SOIL Sampling Point: 25c

Profile Desc	ription: (Describe	to the de	oth needed to docu	ment the	indicator	or confirm	n the absence of indi	cators.)
Depth	Matrix			x Feature		. 2		
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
1-4	7.5YR 3/3	95	5YR 4/6	5	_ <u>C</u>		<u>clay/loam</u>	
4-6	7.5YR 5/8	95	10YR 3/3	_5				
				<del>-</del>		·		
					-			
	-							
					_			
<sup>1</sup> Type: C=Co	oncentration, D=Der	letion. RM	=Reduced Matrix, C	S=Covere	d or Coate	ed Sand G	rains. <sup>2</sup> Location:	PL=Pore Lining, M=Matrix.
			LRRs, unless othe					oblematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Sandy Red	ox (S5)			1 cm Muck (A	9) (LRR C)
	oipedon (A2)		Stripped M				2 cm Muck (A	
Black His	stic (A3)		Loamy Mud	cky Minera	al (F1)		Reduced Vert	ic (F18)
	n Sulfide (A4)		Loamy Gle				Red Parent M	
	l Layers (A5) ( <b>LRR</b>	C)	Depleted M				Other (Explain	ı in Remarks)
· —	ick (A9) ( <b>LRR D</b> )		Redox Dar					
•	Below Dark Surfac	e (A11)	Depleted D				3	
	ark Surface (A12)		Redox Dep		(F8)		-	ophytic vegetation and
-	lucky Mineral (S1) leyed Matrix (S4)		Vernal Poo	15 (F9)			-	gy must be present, d or problematic.
	_ayer (if present):						uniess disturbed	To problematic.
Type:	-ayer ( p. eeey.							
j	ches):						Hydric Soil Preser	nt? Yes No ✓
Remarks:							Tryulic 3011 Fresei	it: res No
Remarks.								
Mn @ 5%	5 1-6"							
soft mass	es							
HYDROLO(	GY							
Wetland Hyd	drology Indicators:	:						
Primary Indic	cators (minimum of o	one require	ed; check all that app	ly)			Secondary In	dicators (2 or more required)
Surface	Water (A1)		Salt Crust	(B11)			Water M	arks (B1) (Riverine)
High Wa	ter Table (A2)		Biotic Cru	st (B12)				it Deposits (B2) (Riverine)
Saturatio			Aquatic In		es (B13)			oosits (B3) (Riverine)
	arks (B1) (Nonriver	rine)	Hydrogen					e Patterns (B10)
	nt Deposits (B2) (No		Oxidized I	Rhizosphe	eres along	Living Roo	ots (C3) Dry-Seas	
Drift Dep	oosits (B3) (Nonrive	rine)	Presence					Burrows (C8)
	Soil Cracks (B6)		Recent Iro	n Reduct	ion in Tille	ed Soils (Co	-	on Visible on Aerial Imagery (C9)
Inundatio	on Visible on Aerial	lmagery (E						Aquitard (D3)
	tained Leaves (B9)		Other (Ex					utral Test (D5)
Field Observ	vations:							
Surface Wate	er Present?	'es	No <u>✓</u> Depth (in	iches):				
Water Table			No ✓ Depth (in					
Saturation Pr			No <u>✓</u> Depth (in				land Hydrology Prese	ent? Yes✓ No
(includes cap	oillary fringe)							##: 165 <u>-</u> 146
Describe Rec	corded Data (stream	n gauge, m	onitoring well, aerial	photos, p	revious ins	spections),	if available:	
Remarks:								
matted do	own veg							
	-							

Project/Site: Stonegate Property	(	City/Count	y: <u>Chico/ B</u>	utte	Sampling Date: <u>02/25/2016</u>		
Applicant/Owner: Epick Homes, Inc.			State: CA	Sampling Point:	26b		
Investigator(s): Meredith Branstad, Marisa Brilts	:	Section, To	ownship, Rai	nge: <u>Sections 31 &amp; 32,</u>	Township 22Nort	h, Range 2E	
Landform (hillslope, terrace, etc.): terrace		Local relie	ef (concave, o	convex, none):	Slope	(%):	
Subregion (LRR): C	Lat: 39.713			Long: <u>-121.718</u>	Datum:	NAD83	
Soil Map Unit Name: Doemill-Jokerst Complex, 3 to 8	Percent Slo	pes		NWI classific	cation: <u>UPL</u>		
Are climatic / hydrologic conditions on the site typical for th	is time of yea	ar? Yes _	<b>√</b> No _	(If no, explain in R	≀emarks.)		
Are Vegetation, Soil, or Hydrology	significantly	disturbed?	Are "	"Normal Circumstances" p	present? Yes	No	
Are Vegetation, Soil, or Hydrology	naturally pro	blematic?	(If ne	eeded, explain any answe	ers in Remarks.)		
SUMMARY OF FINDINGS – Attach site map	showing	samplir	ng point le	ocations, transects	s, important feat	ures, etc.	
Hydrophytic Vegetation Present? Yes 1	Vo <u>√</u>	ls t	he Sampled	l Area			
Hydric Soil Present? Yes 1			hin a Wetlar		No <u>√</u> _		
Wetland Hydrology Present? Yes 1  Remarks:	Vo <u> </u>						
Remarks.							
VEGETATION – Use scientific names of plan	nts.						
To a Charles (District			t Indicator	Dominance Test work	(sheet:		
Tree Stratum (Plot size:)  1	% Cover	•		Number of Dominant S That Are OBL, FACW,		(4)	
2					·	(A)	
3				Total Number of Domin Species Across All Stra		(B)	
4.					·	(5)	
	0			Percent of Dominant Spath That Are OBL, FACW,		(A/B)	
Sapling/Shrub Stratum (Plot size:)				Prevalence Index wor			
1				Total % Cover of:		W.	
2				OBL species 0		-	
4				FACW species 0			
5				FAC species 35			
	0			FACU species 70	x 4 =28	30	
Herb Stratum (Plot size:)	60		54011	UPL species 5	x 5 =2!	5	
1. Geranium molle		Yes	FACU	Column Totals:11	<u>.0</u> (A) <u>41</u>	LO (B)	
Festuca perennis     Hordeum marinum		<u>Yes</u> No	FAC FAC	Prevalence Index	c = B/A = <u>3.727272</u>	272 <b>7</b> 6	
A Assess fature	_	No	UPL	Hydrophytic Vegetation			
4. Avena ratua 5				Dominance Test is			
6				Prevalence Index i			
7.				Morphological Ada	nptations <sup>1</sup> (Provide su	ipporting	
8					s or on a separate sh		
	100	= Total Co	over	Problematic Hydro	pnytic vegetation (E	.xpiain)	
Woody Vine Stratum (Plot size:)				<sup>1</sup> Indicators of hydric soi	il and wetland hydrol	oav must	
1 2				be present, unless dist			
2.	0		over	Hydrophytic			
Of Danie Craward in Hards Chartering				Vegetation			
% Bare Ground in Herb Stratum	er of Blotic Cr	ust		Present? Ye	es No		
Remarks:							

SOIL Sampling Point: 26b

Profile Desc	ription: (Describe	to the depth	needed to document the indicator or o	confirm the absence of indicators.)
Depth	Matrix		Redox Features	
(inches)	Color (moist)	%	Color (moist) % Type <sup>1</sup> L	_oc <sup>2</sup> Texture Remarks
1-6	7.5YR 3/2	<u>99                                   </u>		<u>Clay</u>
				<del></del>
<sup>1</sup> Type: C=Co	oncentration D=De	nletion RM=R	reduced Matrix, CS=Covered or Coated S	Sand Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
			RRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
	oipedon (A2)		Stripped Matrix (S6)	2 cm Muck (A10) ( <b>LRR B</b> )
Black Hi			Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydroge	n Sulfide (A4)		Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
	l Layers (A5) ( <b>LRR</b>	C)	Depleted Matrix (F3)	Other (Explain in Remarks)
	ick (A9) ( <b>LRR D</b> )		Redox Dark Surface (F6)	
	Below Dark Surfa	ce (A11)	Depleted Dark Surface (F7)	3
	ark Surface (A12) lucky Mineral (S1)		<pre> Redox Depressions (F8) Vernal Pools (F9)</pre>	<sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present,
	ileyed Matrix (S4)		Vernai Pools (F9)	unless disturbed or problematic.
	_ayer (if present):			diffess distarbed of problematic.
J	ches):			Hydric Soil Present? Yes No _✓
Remarks:			<del></del> .	Tryune son Tresent. Tes No
Kemarks.				
1% Mn cc	ncentrations			
HYDROLO	GY			
Wetland Hyd	drology Indicators	 ::		
_			check all that apply)	Secondary Indicators (2 or more required)
Surface	-		Salt Crust (B11)	Water Marks (B1) (Riverine)
	ter Table (A2)		Biotic Crust (B12)	Sediment Deposits (B2) (Riverine)
Saturatio			Aquatic Invertebrates (B13)	Drift Deposits (B3) (Riverine)
<del></del>	arks (B1) ( <b>Nonrive</b>	rine)	Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
	nt Deposits (B2) (No	•	Oxidized Rhizospheres along Livi	
· · · · · · · · · · · · · · · · · · ·	oosits (B3) (Nonrive	· ·	Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
	Soil Cracks (B6)	,	Recent Iron Reduction in Tilled So	
	on Visible on Aerial	Imagery (B7)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
— Water-S	tained Leaves (B9)	3 3 . ,	Other (Explain in Remarks)	FAC-Neutral Test (D5)
Field Observ				
Surface Wate		Yes No	Depth (inches):	
Water Table		·	Depth (inches):	
Saturation Pr			Depth (inches):	Wetland Hydrology Present? Yes No
(includes cap		163 NC	Deptir (inches).	wettand riyurology riesent: res No
		n gauge, moni	toring well, aerial photos, previous inspec	ctions), if available:
Remarks:				

Project/Site: Stonegate Property	(	City/Coun	ty: <u>Chico/ B</u>	utte	Sampling Date: <u>02/25/2016</u>		
Applicant/Owner: Epick Homes, Inc.				Sampling F	oint:	27a	
Investigator(s): Meredith Branstad, Marisa Brilts	;	Section, T	ownship, Ra	nge: <u>Sections 31 &amp; 3</u>	32, Township	22North, F	Range 2E
Landform (hillslope, terrace, etc.): terrace		Local relie	ef (concave,	convex, none): conca	ave	Slope (%)	): <u>3</u>
Subregion (LRR): C	Lat: 39.7	713		_ Long: <u>-121.78</u>		Datum: NA	4D83
Soil Map Unit Name: Redtough-Redswale Complex, C							
Are climatic / hydrologic conditions on the site typical for the	nis time of yea	ar? Yes	<b>√</b> No	(If no, explain ir	n Remarks.)		
Are Vegetation, Soil, or Hydrology	-			"Normal Circumstances		es ✓ N	Vo
Are Vegetation, Soil, or Hydrology				eeded, explain any ans	•		
SUMMARY OF FINDINGS – Attach site map				, ,			es, etc.
	No		<u> </u>		<u> </u>		
	No		the Sampled		/		
Wetland Hydrology Present? Yes   ✓		Wit	thin a Wetlai	nd? Yes	✓ No		
Remarks:		'					
VEGETATION – Use scientific names of pla	ntc						
VEGETATION – USE SCIENTIFIC Harries of pla		Dominar	nt Indicator	Dominance Test we	orkehoot:		
Tree Stratum (Plot size:)			? Status	Number of Dominan			
1				That Are OBL, FAC		1	(A)
2				Total Number of Dor	minant		
3				Species Across All S		1	_ (B)
4				Percent of Dominant	t Species		
Sapling/Shrub Stratum (Plot size:)	0	= Total C	Cover	That Are OBL, FAC\	N, or FAC:	100	_ (A/B)
1				Prevalence Index w	orksheet:		
2.				Total % Cover of	of:1	Multiply by:	
3				OBL species			
4				FACW species			
5				FAC species			
Herb Stratum (Plot size:)	0	= Total C	Cover	FACU species			
1. Blennosperma nanum	75	Yes	FACW	UPL species Column Totals:			(B)
2. Eleocharis macrostachya				Column rotals.	<u> </u>		(b)
3				Prevalence Inc	dex = B/A = _	NaN	
4				Hydrophytic Vegeta		rs:	
5				✓ Dominance Tes			
6				Prevalence Inde			
7				Morphological A data in Rema	arks or on a se	parate suppo	orting :)
8			<u> </u>	Problematic Hyd	drophytic Vege	tation <sup>1</sup> (Expl	ain)
Woody Vine Stratum (Plot size:)	77	= rotar C	over				
1		-		<sup>1</sup> Indicators of hydric			must
2				be present, unless d	isturbed or pro	blematic.	
	0			Hydrophytic			
% Bare Ground in Herb Stratum 23 % Cov	er of Biotic Cr	ust		Vegetation Present?	Yes <u>√</u>	No	
Remarks:			-	1			

SOIL Sampling Point: 27a

Depth	Matrix			ox Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		Remarks
1-6	2.5YR 3/2	_ <u>90</u>	2.5YR 3/6	_ <u>10</u>	_ <u>C</u>	<u>PL</u>	Clay	
	-						<del></del> .	
					-		<del></del> -	
	-				-		·	
	-							
			I=Reduced Matrix, C			ed Sand G		ation: PL=Pore Lining, M=Matrix.
•		cable to al	I LRRs, unless other		ted.)			for Problematic Hydric Soils <sup>3</sup> :
Histoso			Sandy Red					uck (A9) (LRR C)
	pipedon (A2)		Stripped M		J /E1)			uck (A10) ( <b>LRR B</b> )
	istic (A3) en Sulfide (A4)		Loamy Mu Loamy Gle	-				ed Vertic (F18) rent Material (TF2)
	d Layers (A5) ( <b>LRR</b>	C)	Loanly Gle	-	( (FZ)			Explain in Remarks)
·	uck (A9) ( <b>LRR D</b> )	0)	✓ Redox Dar		(F6)		Office (1	zxpiaiii iii Remarksy
·	d Below Dark Surfa	ce (A11)	Depleted D					
-	ark Surface (A12)	. ,	Redox Dep				<sup>3</sup> Indicators of	of hydrophytic vegetation and
Sandy N	Mucky Mineral (S1)		Vernal Poo	ols (F9)			wetland h	ydrology must be present,
	Gleyed Matrix (S4)						unless dis	sturbed or problematic.
Restrictive	Layer (if present):							
J								_
Depth (in	ches):						Hydric Soil I	Present? Yes <u>√</u> No
Remarks:							•	
Mn 7% m								
_	drology Indicators		d, check all that ann	.h.d			Socon	dary Indicators (2 or more required)
		one require	ed; check all that app	-				dary Indicators (2 or more required)
	Water (A1)		Salt Crus	, ,				ater Marks (B1) ( <b>Riverine</b> )
	ater Table (A2)		✓ Biotic Cru		oo (D12)			ediment Deposits (B2) (Riverine)
✓ Saturati		rino)	Aquatic Ir Hydrogen					ift Deposits (B3) ( <b>Riverine</b> ) ainage Patterns (B10)
	Marks (B1) (Nonrive					Living Do	· · · · · · · · · · · · · · · · · · ·	y-Season Water Table (C2)
	nt Deposits (B2) ( <b>No</b> posits (B3) ( <b>Nonriv</b> e		Oxidized Presence	-	_	_		ayfish Burrows (C8)
	Soil Cracks (B6)	eririe)	Recent Ire				· · · · · · · · · · · · · · · · · · ·	ituration Visible on Aerial Imagery (C9)
·	ion Visible on Aerial	Imagery (F		k Surface		u 30113 (C		nallow Aquitard (D3)
·	Stained Leaves (B9)			plain in Re				AC-Neutral Test (D5)
Field Obser			Other (Ex	.piaiii iii ik	- Ciriai K3)			No-Neutral Test (D3)
Surface Wat		Voc	No <u>✓</u> Depth (ir	achoe).				
			No <u>✓</u> Depth (ir					
Water Table			· · · · · · · · · · · · · · · · · · ·					D 10 V / N
Saturation P (includes ca	resent? pillary fringe)	yes <u>√</u>	No Depth (ir	ncnes): <u>4</u>		_   weti	iand Hydrology	Present? Yes No
Describe Re	corded Data (strear	n gauge, m	onitoring well, aerial	photos, pi	revious in:	spections),	if available:	
Remarks:								

Project/Site: Stonegate Property	Ci	ty/County: <u>Chico/</u>	Butte	Sampling Date: <u>02/25/2016</u>		
Applicant/Owner: Epick Homes, Inc.			State: CA	Sampling Point: 27b		
Investigator(s): Meredith Branstad, Marisa Brilts	S	ection, Township, F	Range: <u>Sections 31 &amp; 32,</u>	Township 22North, Range 2E		
Landform (hillslope, terrace, etc.): terrace	L	ocal relief (concave	e, convex, none): convex	Slope (%):1		
Subregion (LRR): C	Lat: <u>39.7</u> 2	13	Long: <u>-121.78</u>	Datum: NAD83		
Soil Map Unit Name: Redtough-Redswale Complex,	0 to 2 Percent	Slopes	NWI classific	ation: UPL		
Are climatic / hydrologic conditions on the site typical for	this time of year	? Yes <u>√</u> No	(If no, explain in R	emarks.)		
Are Vegetation, Soil, or Hydrology	_ significantly di	sturbed? Ar	e "Normal Circumstances" p	oresent? Yes No		
Are Vegetation, Soil, or Hydrology	_ naturally probl	ematic? (If	needed, explain any answe	rs in Remarks.)		
SUMMARY OF FINDINGS - Attach site ma	p showing s	ampling point	t locations, transects	, important features, etc.		
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes	No	Is the Sampl within a Wet		No <u> </u>		
Remarks:  VEGETATION – Use scientific names of pla	ants					
		Dominant Indicato	r Dominance Test work	sheet:		
Tree Stratum (Plot size:) 1	% Cover	Species? Status	Number of Dominant S			
2			Total Number of Domin Species Across All Stra			
4		Total Cover	Percent of Dominant Sp That Are OBL, FACW,	pecies or FAC: 50 (A/B)		
1			Prevalence Index wor	ksheet:		
2.			Total % Cover of:	Multiply by:		
3.			OBL species	x 1 =0		
4			FACW species	x 2 =0		
5			_ FAC species <u>75</u>	x 3 = <u>225</u>		
	=	Total Cover	FACU species			
Herb Stratum (Plot size:)	75	Vac.		x 5 = <u>125</u>		
Festuca perennis     Avena fatua		<u>Yes</u> <u>FAC</u> Yes <u>U</u> PL	<ul><li>Column Totals: <u>10</u></li></ul>	<u>0</u> (A) <u>350</u> (B)		
3			<ul><li>Prevalence Index</li></ul>	= B/A =3.5		
4			Hydrophytic Vegetation			
5			Dominance Test is	>50%		
6.			Prevalence Index is	s ≤3.0 <sup>1</sup>		
7				ptations <sup>1</sup> (Provide supporting		
8				s or on a separate sheet) phytic Vegetation <sup>1</sup> (Explain)		
Woody Vino Stratum (Plot cizo:	100=	Total Cover	rroblematic rrydroj	priytic vegetation (Explain)		
Woody Vine Stratum (Plot size:)  1			Indicators of hydric soi be present, unless distu	l and wetland hydrology must urbed or problematic.		
2		Total Cover	- Hydrophytic			
% Bare Ground in Herb Stratum 0	·		Vegetation	s No		
Remarks:			I			

SOIL Sampling Point: 27b

Profile Desc	ription: (Describe	to the depth	needed to docum	nent the indicator o	or confirm	the absence of indicators.)	
Depth	Matrix			Features			
<u>(inches)</u>	Color (moist)	%	Color (moist)	% Type <sup>1</sup>	Loc <sup>2</sup>	Texture Remark	<u>S</u>
1-4	10YR 4/2	100				clay/loam_	
<del></del>							
-							
1						. 2	
				=Covered or Coated	d Sand Gra		
_		cable to all L	RRs, unless other			Indicators for Problematic Hydr	IC SOIIS :
Histosol			Sandy Redo			1 cm Muck (A9) (LRR C)	
HISTIC EP	ipedon (A2)		Stripped Ma	ky Mineral (F1)		2 cm Muck (A10) (LRR B) Reduced Vertic (F18)	
	n Sulfide (A4)			ed Matrix (F2)		Red Parent Material (TF2)	
	Layers (A5) ( <b>LRR</b>	C)	Depleted Ma			Other (Explain in Remarks)	
	ck (A9) ( <b>LRR D</b> )	0)		Surface (F6)		Other (Explain in Remarks)	
	Below Dark Surfa	ce (A11)		rk Surface (F7)			
-	rk Surface (A12)	( ,	Redox Depr			<sup>3</sup> Indicators of hydrophytic vegetati	on and
	lucky Mineral (S1)		Vernal Pools			wetland hydrology must be pres	
Sandy G	leyed Matrix (S4)					unless disturbed or problematic	
Restrictive L	ayer (if present):						
Туре:							
Depth (inc	ches):					Hydric Soil Present? Yes	No <u>√</u>
Remarks:					i		
no redox							
HYDROLO	GY						
Wetland Hyd	drology Indicators	:					
Primary Indic	ators (minimum of	one required;	check all that apply	<b>'</b> )		Secondary Indicators (2 or m	ore required)
Surface	Water (A1)		Salt Crust	(B11)		Water Marks (B1) (River	rine)
	ter Table (A2)		Biotic Crus			Sediment Deposits (B2)	
Saturation				ertebrates (B13)		Drift Deposits (B3) (Rive	
	arks (B1) ( <b>Nonrive</b>	rine)	•	Sulfide Odor (C1)		Drainage Patterns (B10)	
	it Deposits (B2) ( <b>N</b> o	•			ivina Root	rs (C3) Dry-Season Water Table	
	osits (B3) ( <b>Nonriv</b> e			of Reduced Iron (C4	_	Crayfish Burrows (C8)	, (32)
	Soil Cracks (B6)	Sililo)		n Reduction in Tilled			rial Imagery (C9)
·	on Visible on Aerial	Imagery (B7)			1 30113 (00)	Shallow Aquitard (D3)	iai imagery (07)
	tained Leaves (B9)	inagery (b7)		lain in Remarks)		FAC-Neutral Test (D5)	
Field Observ			Other (Exp	lain in Remarks)		17/6 Nedital rest (55)	
Surface Wate		Voc N	Donth (inc	:hes):			
Water Table				:hes):			
Saturation Pr (includes cap		Yes N	o <u></u> Depth (inc	:hes):	_   Wetla	nd Hydrology Present? Yes	No <u></u> ✓
		n gauge, mon	itoring well, aerial p	hotos, previous insp	pections), if	f available:	
Remarks:							

## WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Stonegate Property	City/County: Chico/				
Applicant/Owner: Epick Homes, Inc.		State: <u>CA</u>			
Investigator(s): Meredith Branstad, Marisa Brilts	Section, Township, R	ange: Sections 31 & 3	2, Township 22North, Range 2E		
Landform (hillslope, terrace, etc.): terrace	Local relief (concave	, convex, none): conca	ve Slope (%):		
Subregion (LRR): C	Lat: <u>39.713</u>	Long: <u>-121.78</u>	Datum: NAD83		
Soil Map Unit Name: Redtough-Redswale Complex, C	to 2 Percent Slopes	NWI classi	fication: RSW		
Are climatic / hydrologic conditions on the site typical for the	his time of year? Yes No_	(If no, explain in	Remarks.)		
Are Vegetation, Soil, or Hydrology	_ significantly disturbed? Are	"Normal Circumstances	" present? Yes <u>√</u> No		
Are Vegetation, Soil, or Hydrology	_ naturally problematic? (If r	needed, explain any ansv	vers in Remarks.)		
SUMMARY OF FINDINGS - Attach site map	showing sampling point	locations, transec	ts, important features, etc.		
/	No Is the Sample No within a Wetla		No		
photo 11 S					
VEGETATION – Use scientific names of pla	ints.				
To Children (Dille)	Absolute Dominant Indicator		rksheet:		
Tree Stratum (Plot size:)	% Cover Species? Status	<ul> <li>Number of Dominant</li> <li>That Are OBL, FACW</li> </ul>			
1 2					
3.		<ul><li>Total Number of Dom</li><li>Species Across All St</li></ul>			
4.		Percent of Dominant			
Continue Charles Charles (Diet also	= Total Cover		/, or FAC:100 (A/B)		
Sapling/Shrub Stratum (Plot size:)  1		Prevalence Index w	orksheet:		
2.		-	: Multiply by:		
3.		<b>-</b>	x 1 =0		
4.		- I	x 2 =0		
5		FAC species	x 3 =		
	= Total Cover	FACU species	x 4 =0		
Herb Stratum (Plot size:)	400 1/ 001	UPL species	x 5 =0		
1. Eleocharis macrostachya		- Column Totals:	0 (A) 0 (B)		
2		- Prevalence Inde	ex = B/A = NaN		
4		- Hydrophytic Vegeta	<u></u>		
5.		✓ Dominance Test			
6.		Prevalence Index	x is ≤3.0 <sup>1</sup>		
7		Morphological Ad	daptations <sup>1</sup> (Provide supporting		
8.			rks or on a separate sheet)		
	= Total Cover	Problematic Hydi	rophytic Vegetation <sup>1</sup> (Explain)		
Woody Vine Stratum (Plot size:)  1			soil and wetland hydrology must sturbed or problematic.		
2		•	· · · · · · · · · · · · · · · · · · ·		
% Bare Ground in Herb Stratum 0 % Cov	= Total Cover ver of Biotic Crust	Hydrophytic Vegetation Present?	/es_ <b>√</b> No		
Remarks:					
I .					

SOIL Sampling Point: 28a

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix			ox Feature			_	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>†</sup>	Loc <sup>2</sup>	<u>Texture</u>	
1-6	7.5YR 3/2	95	2.5YR 2.5/4	_ 5	<u></u>	PL	clay / silt	
	- · · -		· · ·		_			
					_			
	· -			_	_		-	
	_	_	· -		_			_
	_							
		_		_				
Type: C=0	Concentration D=De	nletion RM	1=Reduced Matrix, C	S=Covere	ed or Coat	ed Sand G	rains <sup>2</sup> I	
			I LRRs, unless other					ors for Problematic Hydric Soils <sup>3</sup> :
Histoso			Sandy Rec		·			n Muck (A9) (LRR C)
	Epipedon (A2)		Stripped M					n Muck (A10) (LRR B)
	Histic (A3)		Loamy Mu		al (F1)			luced Vertic (F18)
Hydrog	jen Sulfide (A4)		Loamy Gle	yed Matri	x (F2)		Red	Parent Material (TF2)
Stratifie	ed Layers (A5) ( <b>LRR</b>	(C)	Depleted N	/latrix (F3)	ı		Othe	er (Explain in Remarks)
	luck (A9) ( <b>LRR D</b> )		✓ Redox Dar					
	ed Below Dark Surfa	ice (A11)	Depleted D				2	
	Dark Surface (A12)		Redox Dep		(F8)			ors of hydrophytic vegetation and
	Mucky Mineral (S1)		Vernal Poo	ols (F9)				nd hydrology must be present,
-	Gleyed Matrix (S4)  Layer (if present):						uniess	s disturbed or problematic.
	-							
Type:	nahas).						Undria Ca	oil Drocont2 Voc / No
	nches):						пуште за	oil Present? Yes No
Remarks:								
YDROLO	OGY							
	ydrology Indicators	<u> </u>						
	-		ed; check all that app	dv)			Sec	condary Indicators (2 or more required)
	e Water (A1)	one require	Salt Crus	-				Water Marks (B1) (Riverine)
	/ater Table (A2)		Salt Crus				_	Sediment Deposits (B2) (Riverine)
⊓igi1 w ✓ Saturat			Aquatic Ir		oc (D12)		_	Drift Deposits (B3) (Riverine)
		rino)						
	Marks (B1) ( <b>Nonrive</b>		Hydroger			a Livina Do		Drainage Patterns (B10)
	ent Deposits (B2) (N		Oxidized Presence		-	-		Dry-Season Water Table (C2) Crayfish Burrows (C8)
	eposits (B3) ( <b>Nonriv</b>	erine)				ed Soils (C		
	e Soil Cracks (B6)	l Imaganı (f	<del></del>			eu 30lis (C		Saturation Visible on Aerial Imagery (C9)
	tion Visible on Aeria	0 , .	· —					Shallow Aquitard (D3)
water-	Stained Leaves (B9)	1	Other (Ex	ріантін к	emarks)			FAC-Neutral Test (D5)
		Voc	No <u>✓</u> Depth (ir	nches).				
			No ✓ Depth (ir					
Water Table							l	P
Saturation I (includes ca	Present? apillary fringe)	Yes <u>√</u>	No Depth (in	nches): <u>4</u>		Wet	land Hydrold	ogy Present? Yes <u>√</u> No
Describe R	ecorded Data (strea	m gauge, m	nonitoring well, aerial	photos, p	revious in	spections),	, if available:	
Remarks:								

				– Arid West Region	
Project/Site: Stonegate Property					
•				State: <u>CA</u> Sampling Point: <u>29a</u>	
Investigator(s): Charlotte Marks	;	Section, To	wnship, Ra	nge: Sec 31&32, Township 22North, R	ange 2l
Landform (hillslope, terrace, etc.): depression		Local relief	(concave,	convex, none): <u>CONCAVE</u> Slope (%	): <u>1</u>
Subregion (LRR):	_ Lat: <u>39.</u>	713931		Long: <u>-121.781339</u>	
Soil Map Unit Name: Redtough-Redswale Complex	<u>, 0 to 2 F</u>	Percent S	Slopes	NWI classification: RSW	
Are climatic / hydrologic conditions on the site typical for this	time of yea	ar? Yes	✓ No_	(If no, explain in Remarks.)	
Are Vegetation, Soil, or Hydrology sign	gnificantly	disturbed?	Are '	"Normal Circumstances" present? Yes	No
Are Vegetation, Soil, or Hydrology na	aturally prof	blematic?	(If ne	eeded, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map s	howing	samplin	g point l	ocations, transects, important featur	es, etc
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:  Yes   ✓ No  No			e Sampled in a Wetlar		
VEGETATION					
	Absolute <u>% Cover</u>	Species?	Status	Dominance Test worksheet:  Number of Dominant Species That Are OBL, FACW, or FAC: 1	(A)
2				Total Number of Dominant Species Across All Strata:1	_ (B)
4Total Cover:				Percent of Dominant Species That Are OBL, FACW, or FAC: 100	_ (A/B)
Sapling/Shrub Stratum				Prevalence Index worksheet:	
1				Total % Cover of: Multiply by:	
2				OBL species x 1 =	
4				FACW species x 2 =	
5				FAC species x 3 =	
Total Cover:	_			FACU species x 4 =	
Herb Stratum				UPL species x 5 =	
1. <u>Eryngium vaseyi</u>				Column Totals: (A)	(B)
2				Prevalence Index = B/A =	
3				Hydrophytic Vegetation Indicators:	
4 5				✓ Dominance Test is >50%	
6				Prevalence Index is ≤3.0 <sup>1</sup>	
7				Morphological Adaptations <sup>1</sup> (Provide supp data in Remarks or on a separate shee	orting t)
8				Problematic Hydrophytic Vegetation <sup>1</sup> (Exp	ain)
Woody Vine Stratum  1				<sup>1</sup> Indicators of hydric soil and wetland hydrology	must
2				be present.	
Total Cover:				Hydrophytic Vegetation	
% Bare Ground in Herb Stratum % Cover	of Biotic Cr	ust		Present? Yes _ ✓ No	
Remarks: Bare ground and small to medium size	d rocks	cover	remaini	ng substrate	

SOIL Sampling Point: 29a

Depth (inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Text</u> uı	reRemarks
0-6	7.5 Y/R 3/2	90	2.5 Y/R 4/6	10_	С	PL		
	Concentration, D=Depl					e Lining, F		
	I Indicators: (Applica	able to all			ed.)			tors for Problematic Hydric Soils <sup>3</sup> :
Histos	` '		Sandy Red					cm Muck (A9) (LRR C)
	Epipedon (A2) Histic (A3)		Stripped M Loamy Mu		(E1)			cm Muck (A10) ( <b>LRR B</b> ) educed Vertic (F18)
_	gen Sulfide (A4)		Loamy Gle	-				edded vertic (1 10) ed Parent Material (TF2)
	ed Layers (A5) ( <b>LRR 0</b>	2)	Depleted N		(12)			ther (Explain in Remarks)
	/luck (A9) ( <b>LRR D</b> )	-/	✓ Redox Dar		F6)		_ `	and (Explain in Normanio)
	ed Below Dark Surface	e (A11)	_	ark Surfac	,			
	Dark Surface (A12)	- ( )		ressions (F	, ,			
	Mucky Mineral (S1)		Vernal Poo		,		<sup>3</sup> Indica	ators of hydrophytic vegetation and
	Gleyed Matrix (S4)		_	` ′				tland hydrology must be present.
Restrictive	Layer (if present):							
Туре: <u>-</u>	Rock							
							1	
Depth (i							Hydric	Soil Present? Yes ✓ No
Remarks:	nches): <u>6 inches</u> and medium siz	zed roc	ks interspers	ed thro	ughou	t soil p		Soil Present? Yes ✓ No
Remarks: _arge a	nches): <u>6 inches</u> and medium siz	zed roc	ks interspers	ed thro	ughou	t soil p		Soil Present? Yes <u>√</u> No
Remarks: _arge a	nches): <u>6 inches</u> and medium siz	zed rocl	ks interspers	ed thro	ughou	t soil p	rofile	Soil Present? Yes   ✓ No   ——————————————————————————————————
Remarks:  _arge a  YDROLO  Wetland H	nches): <u>6 inches</u> and medium siz			ed thro	ughou	t soil p	rofile	
Remarks:  _arge a  YDROLO Wetland H Primary Inc	nches): 6 inches  and medium siz  OGY  ydrology Indicators: dicators (any one indicators				ughou	t soil p	rofile	Secondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> )
Remarks:  _arge a  YDROLO  Vetland H  Primary Ind  Surface	nches): 6 inches  and medium siz  OGY  ydrology Indicators: dicators (any one indicated)		cient) Salt Crus	t (B11)	ughou	t soil p	rofile	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)
Remarks: _arge a  YDROLO Wetland H Primary Inco ✓ Surfac ✓ High W	nches): 6 inches  and medium siz  OGY ydrology Indicators: dicators (any one indicate e Water (A1) Vater Table (A2)		cient) Salt Crus Biotic Cru	t (B11)		t soil p	rofile	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)
YDROLO Wetland H Primary Inc  ✓ Surfac  ✓ High W	nches): 6 inches  and medium siz  OGY ydrology Indicators: dicators (any one indicate e Water (A1) Vater Table (A2) tion (A3)	ator is suffi	cient) Salt Crus Biotic Cru Aquatic Ir	t (B11) est (B12) overtebrate:	s (B13)	t soil p	rofile <u>§</u>	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)
YDROLO Wetland H Primary Inc ✓ Surfac ✓ High W ✓ Satura _ Water	ogy ydrology Indicators: dicators (any one indicator (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriveri	ator is suffi	cient) Salt Crus Biotic Cru Aquatic Ir Hydroger	t (B11) ist (B12) ivertebrate: Sulfide Oc	s (B13) dor (C1)		rofile	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)
YDROLO Wetland H Primary Inc ✓ Surfac ✓ High W ✓ Satura — Water — Sedim	onches): 6 inches  and medium size  OGY  ydrology Indicators: dicators (any one indicate e Water (A1) Vater Table (A2) tion (A3)  Marks (B1) (Nonriveriate ent Deposits (B2) (Nor	ator is suffi ne) nriverine)	cient) Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized	t (B11) ist (B12) nvertebrates i Sulfide Oc Rhizosphei	s (B13) dor (C1) res along	Living Roc	rofile <u>§</u>	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)
YDROLO Wetland H Primary Inc ✓ Surfac ✓ High W ✓ Satura  Water Sedim Drift D	onches): 6 inches  and medium size  oncomparison of the size of th	ator is suffi ne) nriverine)	cient)  Salt Crus Biotic Cru Aquatic Ir Hydroger V Oxidized Presence	t (B11) ist (B12) ivertebrates Sulfide Oc Rhizospher of Reduce	s (B13) dor (C1) res along d Iron (Ca	Living Roo	rofile	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)
YDROLO Wetland H Primary Inc ✓ Surfac ✓ High W ✓ Satura Water Sedim Drift D Surfac	onches): 6 inches  and medium size  oncomparison of the size of th	ator is suffi ne) nriverine) ine)	cient)  Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir	t (B11) ist (B12) ivertebrates Sulfide Oc Rhizospher of Reduce on Reduction	s (B13) dor (C1) res along d Iron (Co	Living Roo	rofile	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)
YDROLO YDROLO Wetland H Primary Inc Y Surfac Y High W Y Satura Water Sedim Drift D Surfac	ogy  ydrology Indicators: dicators (any one indicator (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriverient Deposits (B2) (Nonrivere Soil Cracks (B6) ution Visible on Aerial In	ator is suffi ne) nriverine) ine)	cient)  Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir	t (B11) ist (B12) ivertebrates Sulfide Oc Rhizospher of Reduce	s (B13) dor (C1) res along d Iron (Co	Living Roo	rofile	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)
YDROLO Wetland H Primary Inc Surfac High W Satura Water Sedim Drift D Surfac Inunda Water-	onches): 6 inches  and medium size  oncomparison of the size of th	ator is suffi ne) nriverine) ine)	cient)  Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir	t (B11) ist (B12) ivertebrates Sulfide Oc Rhizospher of Reduce on Reduction	s (B13) dor (C1) res along d Iron (Co	Living Roo	rofile	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)
YDROLO Wetland H Primary Inc ✓ Surfac ✓ High W ✓ Satura — Water — Sedim — Drift D — Surfac Inunda — Water- Field Obse	orgy  ydrology Indicators: dicators (any one indicators (any one indicators)  Water Table (A2) tion (A3) Marks (B1) (Nonriverient Deposits (B2) (Nonriveries) es Soil Cracks (B6) tion Visible on Aerial Instained Leaves (B9) ervations:	ne) nriverine) rine) magery (B7	cient)  Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir 7) Other (Ex	t (B11) ist (B12) ivertebrate: i Sulfide Oc Rhizospher of Reduce on Reduction	s (B13) dor (C1) res along d Iron (C4 on in Plow marks)	Living Roo	rofile	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)
YDROLO  YDROLO  Wetland H  Primary Inc  ✓ Surfac  ✓ High W  ✓ Satura  Water  Sedim  Drift D  Surfac  Inunda  Water-  Field Obse	onches): 6 inches  and medium size  oncy  ydrology Indicators: dicators (any one indicate e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriveriate ent Deposits (B2) (Norriveriate e Soil Cracks (B6) attion Visible on Aerial In Stained Leaves (B9)  ervations: ater Present?	ne) nriverine) ine) magery (Bi	cient)  Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir 7) Other (Ex	t (B11) ist (B12) invertebrates i Sulfide Oc Rhizospher of Reduce on Reduction plain in Re	s (B13) dor (C1) res along d Iron (Co on in Plow marks)	Living Roo 4) ved Soils (	rofile	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)
YDROLO  YDROLO  Wetland H  Primary Inc  ✓ Surfac  ✓ High W  ✓ Satura  Water  Sedim  Drift D  Surfac  Inunda  Water- Field Obse	onches): 6 inches  and medium size  onches  and medium size  onches  and medium size  onches	ne) nriverine) magery (Ba	cient)  Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir 7) Other (Ex	t (B11) st (B12) nvertebrates Sulfide Oc Rhizospher of Reduce on Reduction plain in Re	s (B13) dor (C1) res along d Iron (Ca on in Plov marks)	Living Roo 4) yed Soils (	rofile	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
YDROLO  YDROLO  Wetland H  Primary Inc  ✓ Surfac  ✓ High W  ✓ Satura  Water  Sedim  Drift D  Surfac  Inunda  Water- Field Obse	ogy ydrology Indicators: dicators (any one indicater (A1) Water Table (A2) tion (A3) Marks (B1) (Nonriverient Deposits (B2) (Nonriverient Deposits (B3) (Nonriverient Oracks (B6) tion Visible on Aerial Instained Leaves (B9) ervations: ater Present? Present?  Yeresent?	ne) nriverine) magery (Ba	cient)  Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir 7) Other (Ex	t (B11) st (B12) nvertebrates Sulfide Oc Rhizospher of Reduce on Reduction plain in Re	s (B13) dor (C1) res along d Iron (Ca on in Plov marks)	Living Roo 4) yed Soils (	rofile	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)
YDROLO  YDROLO  Wetland H  Primary Inc  ✓ Surfac  ✓ High W  ✓ Satura  Water  Sedim  Drift D  Surfac  Inunda  Water- Field Obse  Surface Water Table  Saturation includes c	onches): 6 inches  and medium size  onches  and medium size  onches  and medium size  onches	ne) nriverine) ine) magery (B7	cient)  Salt Crus Biotic Cru Aquatic Ir Hydroger ✓ Oxidized Presence Recent Ir Other (Ex	t (B11) st (B12) nvertebrates i Sulfide Oc Rhizospher of Reduce on Reduction plain in Re inches): 0.8	s (B13) dor (C1) res along d Iron (Co on in Plov marks)	Living Roo 4) ved Soils (	rofile	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
YDROLO Wetland H Primary Inc ✓ Surfac ✓ High W ✓ Satura — Water — Sedim — Drift D — Surface Inunda — Water- Field Obse Surface Water- Table Saturation (includes concernibe Reserved)	orches): 6 inches  and medium size  orgy  ydrology Indicators: dicators (any one indicate) e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriveriant Deposits (B2) (Noriveriant Deposits (B3) (Nonriveriant Deposits (B6) ation Visible on Aerial Instained Leaves (B9) ervations: ater Present? Present?  Present?  your product of the present of the present organism o	ne) nriverine) ine) magery (B7	cient)  Salt Crus Biotic Cru Aquatic Ir Hydroger ✓ Oxidized Presence Recent Ir Other (Ex	t (B11) st (B12) nvertebrates i Sulfide Oc Rhizospher of Reduce on Reduction plain in Re inches): 0.8	s (B13) dor (C1) res along d Iron (Co on in Plov marks)	Living Roo 4) ved Soils (	rofile	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
YDROLO Wetland H Primary Inc ✓ Surfac ✓ High W ✓ Satura Water — Sedim — Drift D — Surfac — Inunda — Water- Field Obse Surface Water Tabl Saturation (includes c	orches): 6 inches  and medium size  orgy  ydrology Indicators: dicators (any one indicate) e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriveriant Deposits (B2) (Noriveriant Deposits (B3) (Nonriveriant Deposits (B6) ation Visible on Aerial Instained Leaves (B9) ervations: ater Present? Present?  Present?  your product of the present of the present organism o	ne) nriverine) ine) magery (B7	cient)  Salt Crus Biotic Cru Aquatic Ir Hydroger ✓ Oxidized Presence Recent Ir Other (Ex	t (B11) st (B12) nvertebrates i Sulfide Oc Rhizospher of Reduce on Reduction plain in Re inches): 0.8	s (B13) dor (C1) res along d Iron (Co on in Plov marks)	Living Roo 4) ved Soils (	rofile	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
YDROLO Wetland H Primary Inc ✓ Surfac ✓ High W ✓ Satura — Water — Sedim — Drift D — Surface Inunda — Water- Field Obse Surface Water- Table Saturation (includes concernibe Reserved)	orches): 6 inches  and medium size  orgy  ydrology Indicators: dicators (any one indicate) e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriveriant Deposits (B2) (Noriveriant Deposits (B3) (Nonriveriant Deposits (B6) ation Visible on Aerial Instained Leaves (B9) ervations: ater Present? Present?  Present?  your product of the present of the present organism o	ne) nriverine) ine) magery (B7	cient)  Salt Crus Biotic Cru Aquatic Ir Hydroger ✓ Oxidized Presence Recent Ir Other (Ex	t (B11) st (B12) nvertebrates i Sulfide Oc Rhizospher of Reduce on Reduction plain in Re inches): 0.8	s (B13) dor (C1) res along d Iron (Co on in Plov marks)	Living Roo 4) ved Soils (	rofile	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
YDROLO  YDROLO  YDROLO  YDROLO  YETIAND H  Primary Inc  ✓ Surface  ✓ High W  ✓ Satura  — Water  — Sedim  — Drift D  — Surface Water-  Field Obseseriace Water Table  Saturation includes corposeribe R	orches): 6 inches  and medium size  orgy  ydrology Indicators: dicators (any one indicate) e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriveriant Deposits (B2) (Noriveriant Deposits (B3) (Nonriveriant Deposits (B6) ation Visible on Aerial Instained Leaves (B9) ervations: ater Present? Present?  Present?  your product of the present of the present organism o	ne) nriverine) ine) magery (B7	cient)  Salt Crus Biotic Cru Aquatic Ir Hydroger ✓ Oxidized Presence Recent Ir Other (Ex	t (B11) st (B12) nvertebrates i Sulfide Oc Rhizospher of Reduce on Reduction plain in Re inches): 0.8	s (B13) dor (C1) res along d Iron (Co on in Plov marks)	Living Roo 4) ved Soils (	rofile	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C  Shallow Aquitard (D3)  FAC-Neutral Test (D5)

WEILAND DEIER	IVIINATIO	ON DA I	A FORIVI	– Arid West Region		
Project/Site: Stonegate Property	(	City/County	Sampling Date: <u>2/25/16</u>			
pplicant/Owner: <u>Epick Homes, Inc.</u>				State: <u>CA</u> Sampling Point: <u>29b</u>		
Investigator(s): Charlotte Marks	Charlotte Marks Section, Township, Range:			nge:		
Landform (hillslope, terrace, etc.): hilltop		Local relie	f (concave,	convex, none): CONVEX	Slope (%): <u>1</u>	
Subregion (LRR):	Lat: <u>39.</u>	714796		Long: <u>-121.781851</u>	Datum:	
Soil Map Unit Name: Redtough-Redswale Complex, 0 to 2 Percent Slopes						
Are climatic / hydrologic conditions on the site typical for this						
Are Vegetation, Soil, or Hydrology si						
Are Vegetation, Soil, or Hydrology na						
SUMMARY OF FINDINGS – Attach site map s						
		<u> </u>	<u> </u>	•		
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No		Is th	ne Sampled			
Wetland Hydrology Present? Yes No	, <del>v</del>	with	in a Wetlar	nd? Yes	No <u>√</u>	
Remarks:	<u></u>					
VEGETATION						
	Absolute			Dominance Test work	sheet:	
	% Cover			Number of Dominant S		
1 2				mat Are OBL, FACW,	or FAC: (A)	
3.				Total Number of Domir Species Across All Stra		
4				Species Across Air otra	(D)	
Total Cover:	0			Percent of Dominant S	pecies or FAC: (A/B)	
Sapling/Shrub Stratum					· · · · ·	
1				Prevalence Index wor		
2				Total % Cover of:		
3					) x 1 = 0 x 2 = 0	
4					x = 0	
5Total Cover:	_			FACU species		
Herb Stratum				UPL species 10	00 x 5 = 500	
1. Centaurea solstitialis	60	YES_	<u>UPL</u>	Column Totals: 10		
2. Avena fatua			<u>UPL</u>			
3. Elymus caput-medusae			<u>UPL</u>	Prevalence Index		
4				Hydrophytic Vegetation		
5				Dominance Test is Prevalence Index i		
6					s 55.0 ptations <sup>1</sup> (Provide supporting	
7				data in Remark	s or on a separate sheet)	
8Total Cover:				Problematic Hydro	phytic Vegetation <sup>1</sup> (Explain)	
Woody Vine Stratum	100					
1				<sup>1</sup> Indicators of hydric so be present.	il and wetland hydrology must	
2				'		
Total Cover:	0			Hydrophytic Vegetation		
% Bare Ground in Herb Stratum0 % Cover	of Biotic Ci	rust		Present? Ye	s No	
Remarks:				1		

SOIL Sampling Point: 29b

Profile Desc	cription: (Describ	e to the deptl	n needed to docu	ment the i	indicator	or confirm	the absence	e of indicators.)
Depth	Matrix		Redo	ox Feature	s ,			
(inches)	Color (moist)	%	Color (moist)	%	_Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks Remarks
<u>0-13</u>	7.5 Y/R 3/4	100						Loamy clay
					· ——			· · <del>· · · · · · · · · · · · · · · · · </del>
					· ——			· · · · · · · · · · · · · · · · · · ·
<sup>1</sup> Type: C=C	oncentration, D=D	epletion, RM=l	Reduced Matrix.	<sup>2</sup> Location	n: PL=Por	e Lining, R		
Hydric Soil	Indicators: (App	licable to all L	RRs, unless othe	rwise not	ed.)		Indicators	s for Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Sandy Rec	lox (S5)			1 cm	Muck (A9) (LRR C)
Histic E	pipedon (A2)		Stripped M					Muck (A10) (LRR B)
Black Hi	istic (A3)		Loamy Mu	cky Minera	l (F1)		Redu	ced Vertic (F18)
Hydroge	en Sulfide (A4)		Loamy Gle	yed Matrix	(F2)		Red F	Parent Material (TF2)
Stratified	d Layers (A5) ( <b>LR</b> I	R C)	Depleted N	latrix (F3)			Other	(Explain in Remarks)
	uck (A9) ( <b>LRR D</b> )		Redox Dar	k Surface	(F6)			
	d Below Dark Surf	ace (A11)	Depleted D					
	ark Surface (A12)		Redox Dep		F8)			
	Mucky Mineral (S1)		Vernal Poo	ls (F9)				of hydrophytic vegetation and
	Gleyed Matrix (S4)						wetland	d hydrology must be present.
	Layer (if present)	:						
Type: R								
Depth (in	ches): <u>13 inche</u>	S					Hydric Soi	I Present? Yes No✓
Remarks:							1	
HYDROLO	GY							
Wetland Hy	drology Indicator	s:					<u>Seco</u>	ndary Indicators (2 or more required)
Primary India	cators (any one inc	dicator is suffic	ient)				\	Nater Marks (B1) (Riverine)
Surface	Water (A1)		Salt Crust	(B11)				Sediment Deposits (B2) (Riverine)
_	ater Table (A2)		Biotic Cru	` '				Orift Deposits (B3) (Riverine)
Saturati	* *		Aquatic Ir		s (B13)			Drainage Patterns (B10)
	/arks (B1) ( <b>Nonriv</b>	erine)	Hydrogen		` ′			Dry-Season Water Table (C2)
	nt Deposits (B2) (N					Livina Roo		Thin Muck Surface (C7)
	posits (B3) ( <b>Nonri</b> '		Presence		_	_		Crayfish Burrows (C8)
	Soil Cracks (B6)	verifie)	Recent Ire					Saturation Visible on Aerial Imagery (C9)
_	` ,	ol Impo gon / (DZ)				veu sons (C		
_	ion Visible on Aeria		Other (Ex	piain in Re	emarks)			Shallow Aquitard (D3)
	Stained Leaves (B9	")					'	FAC-Neutral Test (D5)
Field Obser								
Surface Wat	er Present?		lo _✓ Depth (ir					
Water Table	Present?	Yes N	lo <u>√</u> Depth (ir	iches):		_		
Saturation P	resent?	Yes N	lo <u>√</u> Depth (ir	iches):		Wetla	and Hydrolog	gy Present? Yes No <u>√</u>
	pillary fringe)							
Describe Re	corded Data (strea	am gauge, mor	nitoring well, aerial	pnotos, pr	evious ins	spections),	it available:	
Remarks:								

WETLAND DETERI	MINATIC	ON DAT	A FORIVI	– Arid West Region	
Project/Site: Stonegate Property	City/County: Chico/ Butte				Sampling Date: <u>2/25/16</u>
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u>	Sampling Point: 30b
Investigator(s): Charlotte Marks	8	Section, To	ownship, Ra	nge: <u>Sec 31&amp;32, To</u> v	wnship 22North, Range 2E
Landform (hillslope, terrace, etc.): hummock		Local relie	f (concave,	convex, none): CONVEX	Slope (%): <u>1.5</u>
Subregion (LRR): C	Lat: <u>39.</u> 7	714703		_ Long: <u>-121.780844</u>	Datum:
Soil Map Unit Name: Redtough-Redswale Complex,	, 0 to 2 F	Percent S	Slopes	NWI classific	ation: N/A
Are climatic / hydrologic conditions on the site typical for this	time of yea	r? Yes _	✓ No_	(If no, explain in R	emarks.)
Are Vegetation, Soil, or Hydrology sig	gnificantly c	disturbed?	Are '	"Normal Circumstances" p	oresent? Yes <u>√</u> No
Are Vegetation, Soil, or Hydrology na	turally prot	olematic?	(If ne	eeded, explain any answe	rs in Remarks.)
SUMMARY OF FINDINGS – Attach site map s	howing	samplir	ng point l	ocations, transects	, important features, etc.
Hydrophytic Vegetation Present? Yes No	<b>✓</b>				
Hydric Soil Present? Yes No	<b>√</b>		he Sampled hin a Wetlar		No. d
Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	<b>✓</b>	With	iiri a vvetiar	id? Yes	NO <u>v</u>
Remarks:					
VEGETATION					
	Absolute <u>% Cover</u>	Species?	Status_	Number of Dominant S	
2					
3				Total Number of Domin Species Across All Stra	
4Total Cover:	0			Percent of Dominant Sp That Are OBL, FACW,	oecies O (A/B)
Sapling/Shrub Stratum				Prevalence Index wor	ksheet:
1 2				Total % Cover of:	
3					x 1 =0
4.					x 2 =0
5					x 3 =0
Total Cover:	_			FACU species15	5 x 4 = <u>60</u>
Herb Stratum	10		FACIL		5 x 5 = 425
1. Erodium botrys			<u>FACU</u>	Column Totals:10	<u>0</u> (A) <u>485</u> (B)
Avena fatua     Elymus caput-medusae		YES	UPL	Prevalence Index	= B/A = <u>4.85</u>
Dichelostemma capitatum				Hydrophytic Vegetation	
5				Dominance Test is	>50%
6				Prevalence Index is	
7				Morphological Ada	ptations <sup>1</sup> (Provide supporting
8					s or on a separate sheet) phytic Vegetation <sup>1</sup> (Explain)
Total Cover:	100			Froblematic Hydrol	mytic vegetation (Explain)
1				Indicators of hydric soi	I and wetland hydrology must
2			-	be present.	
Total Cover:			-	Hydrophytic	
% Bare Ground in Herb Stratum % Cover of		ust		Vegetation Present? Ye	s No_√_
Remarks:					

SOIL Sampling Point: 30b

Depth	Matrix			ox Feature		. 1		
(inches)	Color (moist)			%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	
0-12	7.5 Y/R 3/4	<u> 100</u> _					<u>clay loam</u>	
				_				
							· -	
								<u></u>
1Type: C=C	oncentration, D=Depl	letion DM-E	Peduced Matrix	2l ocation	· DI -Dor	a Linina I	PC=Post Char	nel M-Matrix
	Indicators: (Application)					c Lilling, i		s for Problematic Hydric Soils <sup>3</sup> :
Histoso			Sandy Red		,			Muck (A9) (LRR C)
	pipedon (A2)		Stripped M					Muck (A10) (LRR B)
	istic (A3)			icky Minera	ıl (F1)			ced Vertic (F18)
Hydrog	en Sulfide (A4)			eyed Matrix			Red F	Parent Material (TF2)
Stratifie	d Layers (A5) ( <b>LRR 0</b>	<b>C</b> )	Depleted N	Matrix (F3)			Other	(Explain in Remarks)
1 cm M	uck (A9) ( <b>LRR D</b> )		Redox Dai	rk Surface	(F6)			
	d Below Dark Surface	e (A11)		Dark Surfac				
	ark Surface (A12)			pressions (	F8)		9	
	Mucky Mineral (S1)		Vernal Poo	ols (F9)				s of hydrophytic vegetation and
	Gleyed Matrix (S4)						wetlan	d hydrology must be present.
Restrictive	Layer (if present):							
	امماد							
Туре: <u>R</u>								
Depth (in	ches): 12 inches		_				Hydric Soi	il Present? Yes No _ ✓
Depth (in			ut soil profile	)			Hydric Soi	il Present? Yes No <u>✓</u>
Depth (ir Remarks: Rocks ir	nterspersed th		 ut soil profile	)			Hydric Soi	il Present? Yes No <u>√</u>
Depth (in Remarks: Rocks in	nterspersed th		ut soil profile	)			,	
Depth (in Remarks: Rocks in	nterspersed th		ut soil profile	)			,	il Present? Yes No ✓
Depth (in Remarks: Rocks in Indianal In	nterspersed th	roughou		)			Secc	
Depth (in Remarks: Rocks in Indiana)  IYDROLO Wetland Hy Primary India	nterspersed th	roughou					Seco	ondary Indicators (2 or more required)
Depth (ir Remarks: ROCKS II IYDROLO Wetland Hy Primary Indi	nterspersed the	roughou	ient)	ot (B11)			<u>Secc</u>	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> )
Depth (in Remarks: Rocks in IYDROLC Wetland Hy Primary Indiage)	nterspersed the order of the or	roughou	ient) Salt Crus	st (B11) ust (B12)	es (B13)		<u>Secc</u>	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> )
Depth (in Remarks: ROCKS is STANDED LOCKS IN LOC	nterspersed the order of the or	roughou	ient) Salt Crus Biotic Cru	st (B11) ust (B12) nvertebrate			<u>Secc</u>	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Depth (in Remarks: ROCKS is STANDED LOCKS IS STANDED LOCKS IS STANDED LOCKS IS STANDED LOCKS IN THE PROPERTY OF THE PROPERTY IN THE PROPERTY OF THE PROPERTY O	nterspersed the discovery cators (any one indicators (Water (A1) ater Table (A2) (on (A3)	roughou	ient) Salt Crus Biotic Cru Aquatic In	st (B11) ust (B12) nvertebrate n Sulfide Or	dor (C1)	Living Ro	<u>Secc</u>	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Depth (in Remarks: ROCKS is STANDED LOCKS IS STANDED LOCKS IS SUPPRINTED LOCKS IN THE PROPERTY OF THE PROPERTY	nterspersed the order of the or	roughou ator is suffici	ient) Salt Crus Biotic Cru Aquatic In	st (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe	dor (C1) res along		Seccion	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
Depth (in Remarks: ROCKS is STANDED LOCKS IS STANDED LOCK	nterspersed the drology Indicators: cators (any one indicators (Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriverint Deposits (B2) (Norriverial cators (B2) (Norriver	roughou ator is suffici	ient)  Salt Crus Biotic Cru Aquatic II Hydroger Oxidized	ot (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe e of Reduce	dor (C1) res along ed Iron (C4	+)	Seccion Seccio	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7)
Depth (in Remarks: ROCKS is STANDED LOCKS is STANDED LOCK	nterspersed the drology Indicators: cators (any one indicators (A1) ater Table (A2) fon (A3) Marks (B1) (Nonriverint Deposits (B2) (Nonrivering posits (B3) (Nonrivering at (B3)	roughou ator is suffici ine) nriverine)	ient)  Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir	ot (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduce on Reducti	dor (C1) res along ed Iron (C4 on in Plow	+)	Seccion Seccio	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8)
Depth (ir Remarks: ROCKS II IYDROLO Wetland Hy Primary Indi Surface High W Saturati Water M Sedime Drift De Surface Inundat	nterspersed the drology Indicators: cators (any one indicators water (A1) ater Table (A2) fon (A3) Marks (B1) (Nonriverint Deposits (B2) (Nonrivers Soil Cracks (B6)	roughou ator is suffici ine) nriverine)	ient)  Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir	ot (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduce on Reducti	dor (C1) res along ed Iron (C4 on in Plow	+)	Seccion Seccio	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C5)
Depth (in Remarks: ROCKS is STOCKS i	odes): 12 inches Interspersed the Interspersed the Interspersed the Interspersed the Interspersed the Interspersed Intersp	roughou ator is suffici ine) nriverine)	ient)  Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir	ot (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduce on Reducti	dor (C1) res along ed Iron (C4 on in Plow	+)	Seccion Seccio	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
Depth (in Remarks: ROCKS is STOCKS i	drology Indicators: cators (any one indicators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveriant Deposits (B2) (Norivers) Soil Cracks (B6) ion Visible on Aerial Instained Leaves (B9) rvations:	roughou ator is suffici ine) nriverine) rine) magery (B7)	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Other (Ex	ot (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe e of Reduce on Reducti	dor (C1) eres along ed Iron (C4 don in Plow emarks)	ed Soils (	Seccion Seccio	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
Depth (in Remarks: ROCKS is Section 1) Primary Indi Section 1) Section 1) Section 1) Section 2) Section 2) Section 2) Section 2) Section 3) Sec	nterspersed the open content of the open conte	roughou ator is suffici ine) riverine) rine) magery (B7)	Salt Crus Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Other (Ex	st (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe e of Reduce ron Reducti xplain in Re	dor (C1) eres along ed Iron (C4 on in Plow emarks)	ed Soils (	Seccion Seccio	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
Depth (in Remarks: ROCKS is RO	nterspersed the drology Indicators: cators (any one indicators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3)	roughou ator is suffici ine) nriverine) rine) magery (B7) es N es N	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Other (Ex	st (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe e of Reduce con Reducti xplain in Re nches):	dor (C1) eres along ed Iron (C4 on in Plow emarks)	ed Soils (	Seccion Seccio	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C5) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (in Remarks: ROCKS is ROCKS is Primary Indian Surface United Section 1997) Indian Section 1997 Indian Indi	nterspersed the drology Indicators: cators (any one indicators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3)	roughou ator is suffici ine) nriverine) rine) magery (B7) es N es N	Salt Crus Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Other (Ex	st (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe e of Reduce con Reducti xplain in Re nches):	dor (C1) eres along ed Iron (C4 on in Plow emarks)	ed Soils (	Seccion Seccio	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
Depth (in Remarks: ROCKS is RO	nterspersed the description of the spersed the description of the spersed the description of the sperse of the specific of the spe	roughou ator is suffici nriverine) rine) magery (B7) es N es N	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Other (Ex	ot (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe e of Reduce con Reducti xplain in Re nches):	dor (C1) eres along ed Iron (C4 on in Plow emarks)	ed Soils (	Seccion   Seccio	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C5) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (in Remarks: ROCKS is RO	ches): 12 inches  nterspersed th  drology Indicators: cators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B4) (	roughou ator is suffici nriverine) rine) magery (B7) es N es N	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Other (Ex	ot (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe e of Reduce con Reducti xplain in Re nches):	dor (C1) eres along ed Iron (C4 on in Plow emarks)	ed Soils (	Seccion   Seccio	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C5) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (in Remarks: ROCKS is RO	ches): 12 inches  nterspersed th  drology Indicators: cators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B4) (	roughou ator is suffici nriverine) rine) magery (B7) es N es N	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Other (Ex	ot (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe e of Reduce con Reducti xplain in Re nches):	dor (C1) eres along ed Iron (C4 on in Plow emarks)	ed Soils (	Seccion   Seccio	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C5) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (in Remarks: ROCKS in Remarks and Remarks	ches): 12 inches  nterspersed th  drology Indicators: cators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B4) (	roughou ator is suffici nriverine) rine) magery (B7) es N es N	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Other (Ex	ot (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe e of Reduce con Reducti xplain in Re nches):	dor (C1) eres along ed Iron (C4 on in Plow emarks)	ed Soils (	Seccion   Seccio	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C5) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (in Remarks: ROCKS in Remarks and Remarks	ches): 12 inches  nterspersed th  drology Indicators: cators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B4) (	roughou ator is suffici nriverine) rine) magery (B7) es N es N	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Other (Ex	ot (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe e of Reduce con Reducti xplain in Re nches):	dor (C1) eres along ed Iron (C4 on in Plow emarks)	ed Soils (	Seccion   Seccio	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C5) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (in Remarks: ROCKS is RO	ches): 12 inches  nterspersed th  drology Indicators: cators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (	roughou ator is suffici nriverine) rine) magery (B7) es N es N	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Other (Ex	ot (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe e of Reduce con Reducti xplain in Re nches):	dor (C1) eres along ed Iron (C4 on in Plow emarks)	ed Soils (	Seccion   Seccio	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C5) Shallow Aquitard (D3) FAC-Neutral Test (D5)

WEILAND DEIER	KIVIINATI	JN DATA	A FURIVI	– Aria vvest Region	
Project/Site: Stonegate Property	(	City/County	: Chico/	Butte	Sampling Date: <u>2/29/16</u>
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u>	Sampling Point: 31a
Investigator(s): Charlotte Marks		Section, To	wnship, Ra	nge: <u>Sec 31&amp;32, To</u> v	wnship 22North, Range 2E
Landform (hillslope, terrace, etc.): depression		Local relief	(concave,	convex, none): CONCAV	e Slope (%): <u>0.5</u>
Subregion (LRR):	_ Lat: <u>39.</u>	714446		_ Long: <u>-121.781519</u>	Datum:
Soil Map Unit Name: Redtough-Redswale Complex	Slopes	NWI classific	cation: DPM		
Are climatic / hydrologic conditions on the site typical for this	s time of yea	ar? Yes'	✓ No_	(If no, explain in R	Remarks.)
Are Vegetation, Soil, or Hydrology s	ignificantly	disturbed?	Are '	"Normal Circumstances" p	present? Yes No
Are Vegetation, Soil, or Hydrology n					
SUMMARY OF FINDINGS – Attach site map	showina	samplin	a point l	ocations, transects	s. important features, etc.
<u> </u>			9   0		,portant roataros, etc.
Hydrophytic Vegetation Present? Yes ✓ NHydric Soil Present? Yes ✓ NHydric Soil Present?	°	Is th	e Sampled	l Area	
Hydric Soil Present? Yes ✓ N Wetland Hydrology Present? Yes ✓ N		with	in a Wetlar	nd? Yes <u>√</u>	No
Remarks:					
VEGETATION					
	Absolute	Dominant	Indicator	Dominance Test work	(sheet:
<u>Tree Stratum</u> (Use scientific names.)	% Cover	Species?	<u>Status</u>	Number of Dominant S	
1				That Are OBL, FACW,	or FAC: (A)
2				Total Number of Domin	_
3				Species Across All Stra	ata: <u>2</u> (B)
4Total Cover				Percent of Dominant S	pecies or FAC: <u>100</u> (A/B)
Sapling/Shrub Stratum				That Are OBL, FACVV,	or FAC:(A/B)
1				Prevalence Index wor	
2				Total % Cover of:	
3					$\frac{5}{0}$ x 1 = $\frac{45}{20}$
4.       5.				FAC species3	
Total Cover					2 x 4 = 8
Herb Stratum				UPL species3	x 5 =15
1. <u>Triphysaria eriantha</u>			<u>UPL</u>	Column Totals: 95	<u>5</u> (A) <u>193</u> (B)
2. Blennosperma nanum		YES	FACW	Dravalance Indev	z = B/A =2.03
<ul><li>3. <u>Eleocharis macrostachya</u></li><li>4. <u>Erodium botrys</u></li></ul>		155	FACU	Hydrophytic Vegetation	
Crassula connata		YES		✓ Dominance Test is	
6				✓ Prevalence Index i	
7.				Morphological Ada	ptations <sup>1</sup> (Provide supporting
8					s or on a separate sheet)  phytic Vegetation¹ (Explain)
Total Cover	95			Problematic Hydro	priytic vegetation (Explain)
Woody Vine Stratum  1				1Indicators of hydric soi	il and wetland hydrology must
2				be present.	,, ,
Total Cover				Hydrophytic	
% Bare Ground in Herb Stratum				Vegetation	es✓ No
Remarks:	OI BIOLIC CI			Freschi: Te	3
Nemarks.					

SOIL Sampling Point: 31a

Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Stripped Matrix (S6) Stripped Matrix (S6) Stripped Sulfide (A4)	A.u.
Gley 2 2.5/5B	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix.    Location: PL=Pore Lining, RC=Root lydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)    Histosol (A1)	Loamy Clay
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)	Manganese concentrations
Indicators: (Applicable to all LRRs, unless otherwise noted.)   Indicators: (Applicable to all LRs, unless otherwise noted.)   Indic	
ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)	
Indicators: (Applicable to all LRRs, unless otherwise noted.)   Indicators: (Applicable to all LRs, unless otherwise noted.)   Indica	
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)	
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)	
Histosol (A1)	
Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F2) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F2) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Fedox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Sind Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Westrictive Layer (If present):  Type: Rock Depth (inches): 6 inches Phydrogen Surface (A12) Salt Crust (B11) Salt Crust (B12) Salt Crust (B12) Salt Crust (B13) Salt Crust (B14) Salt Crust (B15) Salt Crust (B16) Salt Crust (B17) Salt Crust (B17) Salt Crust (B18) Salt Crust (B18) Salt Crust (B19) Salt	icators for Problematic Hydric Soils <sup>3</sup> :
Black Histic (A3)	1 cm Muck (A9) (LRR C)
Hydrogen Sulfide (A4)	2 cm Muck (A10) (LRR B)
Stratified Layers (A5) (LRR C) Depleted Matrix (F3) —  1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (A12) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Restrictive Layer (If present): Type: Rock Depth (inches): 6 inches Hydri Remarks:    Vernal Pools (F9)	Reduced Vertic (F18)
and the Muck (A9) (LRR D)	Red Parent Material (TF2)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Rock Depth (inches): 6 inches  Primary Indicators (any one indicator is sufficient) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Drift Deposits (B3) (Nonriverine) Surface Water (A1) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Water Table Present? Yes No Depth (inches): Depth (inches): Water Deposits (B2) (Nonriverine) Surface Water Present? Yes No Depth (inches): Water Deposits (B2) (Nonriverine) Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Wetland Hydrogen Surface (B4) Wetland Hydrogen Surface (B4) Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Wetland Hydrogen Surface (B4)	Other (Explain in Remarks)
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Setrictive Layer (if present): Type: Rock Depth (inches): 6 inches  Primary Indicators (any one indicator is sufficient) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water Table Present? Water Table Present? Water Table Present? Surface Water (B1) Surface Soil Cracks (B9) Surface Soil Cracks (B9) Surface Soil Cracks (B9) Surface Soil Cracks (B9) Surface Water Present? Surface Wate	
Sandy Mucky Mineral (S1) Vernal Pools (F9)	
Restrictive Layer (if present): Type: Rock Depth (inches): 6 inches  Primary Indicators (any one indicator is sufficient) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inducation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations: Surface Water (Path (Pa	dicators of hydrophytic vegetation and
Restrictive Layer (if present): Type: Rock Depth (inches): 6 inches  Remarks:  Primary Indicators (any one indicator is sufficient) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Water Table Present? Yes No Depth (inches): Wetland Hydrology Wetland Hydrology Wetland Hydrology Wetland Hydrology Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Yes No Depth (inches): Wetland Hydrology Wet	wetland hydrology must be present.
Poppth (inches): 6 inches  Primary Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water Stained Leaves (B9)  Presence Water Present?  Water Table Present?  Yes  No  Depth (inches):  Wetland Hydrogen Surfine)  Wetland Hydrogen Surfine  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils (C6)  Other (Explain in Remarks)  Water-Stained Leaves (B9)  Wetland Hydrogen Surfines  Wetland Hydrogen Surfines  Depth (inches):  Wetland Hydrogen Surfines  Wetla	
YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water Table Present?  Yes  No  Depth (inches):  Settration Present?  Yes  No  Depth (inches):  Settration Previous inspections), if availal in a validation of the visible previous inspections), if availal in a validation in previous inspections), if availal in a validation in previous inspections), if availation in a validation in previous inspections), if availation previous inspections in previous inspections), if availation previous inspections in previou	
YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water Table Present?  Yes  No  Depth (inches):  Settration Present?  Yes  No  Depth (inches):  Settration Previous inspections), if availal in a validation of the visible previous inspections), if availal in a validation in previous inspections), if availal in a validation in previous inspections), if availation in a validation in previous inspections), if availation previous inspections in previous inspections), if availation previous inspections in previou	ric Soil Present? Yes No
Wetland Hydrology Indicators:         Primary Indicators (any one indicator is sufficient)         Surface Water (A1)       Salt Crust (B11)         High Water Table (A2)       Biotic Crust (B12)         Saturation (A3)       Aquatic Invertebrates (B13)         Water Marks (B1) (Nonriverine)       Hydrogen Sulfide Odor (C1)         Sediment Deposits (B2) (Nonriverine)       Oxidized Rhizospheres along Living Roots (C3)         Drift Deposits (B3) (Nonriverine)       Presence of Reduced Iron (C4)         Surface Soil Cracks (B6)       Recent Iron Reduction in Plowed Soils (C6)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)         Water-Stained Leaves (B9)       Depth (inches):         Field Observations:       No Depth (inches):         Saturation Present?       Yes No Depth (inches):	
Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Plowed Soils (C6) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Yes No ✓ Depth (inches): Water Table Present? Yes No ✓ Depth (inches): Water Table Present? Yes No ✓ Depth (inches): Wetland Hydrological Preservations in Present? Yes No ✓ Depth (inches): Wetland Hydrological Preservations in Present? Yes No ✓ Depth (inches): Wetland Hydrological Preservations in Preserva	Secondary Indicators (2 or more required)
High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Plowed Soils (C6) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Water-Stained Leaves (B9) Water-Stained Leaves (B9) Ves No ✓ Depth (inches): Water Table Present? Yes No ✓ Depth (inches): Saturation Present? Yes No ✓ Depth (inches): Wetland Hydrological Preservious Inspections), if availating the Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if availating the properties of the prope	Water Marks (B1) (Riverine)
High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Plowed Soils (C6) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Water-Stained Leaves (B9) Water-Stained Leaves (B9) Ves No ✓ Depth (inches): Water Table Present? Yes No ✓ Depth (inches): Saturation Present? Yes No ✓ Depth (inches): Wetland Hydrological Preservious Inspections), if availating the Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if availating the properties of the prope	Sediment Deposits (B2) (Riverine)
Saturation (A3)	Drift Deposits (B3) (Riverine)
Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1)  Sediment Deposits (B2) (Nonriverine) Presence of Reduced Iron (C4)  Surface Soil Cracks (B6) Recent Iron Reduction in Plowed Soils (C6)  Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes No Depth (inches):   Water Table Present? Yes No Depth (inches):   Saturation Present? Yes No Depth (inches):   Saturation Present? Yes No Depth (inches):   Sectional Remarks	Drainage Patterns (B10)
Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Plowed Soils (C6) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Yes No Depth (inches): Baturation Present? Yes No Depth (inches): Wetland Hydelian Includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if availating the property of the property of the present includes and photos, previous inspections), if availating the property of the prop	Dry-Season Water Table (C2)
Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Plowed Soils (C6) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes No _ ✓ Depth (inches): Water Table Present? Yes No _ ✓ Depth (inches): Wetland Hydical Exercise Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if availating a content of the present includes capillary fringe)	
Surface Soil Cracks (B6) Recent Iron Reduction in Plowed Soils (C6) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Water-Stained Leaves (B9) Surface Water Present? Yes No ✓ Depth (inches): Water Table Present? Yes No ✓ Depth (inches): Saturation Present? Yes No ✓ Depth (inches): Wetland Hydical Surface Water Present? Yes No ✓ Depth (inches): Yes No Yes No	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes No _ ✓ Depth (inches): Water Table Present? Yes No _ ✓ Depth (inches): Saturation Present? Yes No _ ✓ Depth (inches): Wetland Hydical Includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if availating the provided results of the provided Pata (stream gauge, monitoring well, aerial photos, previous inspections), if availating the provided Pata (stream gauge, monitoring well, aerial photos, previous inspections)	Crayfish Burrows (C8)
Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes No _ ✓ Depth (inches):  Water Table Present? Yes No _ ✓ Depth (inches):  Saturation Present? Yes No _ ✓ Depth (inches):  Simplify fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if availating the content of the content	Saturation Visible on Aerial Imagery (C
Field Observations:  Surface Water Present? Yes No _ ✓ Depth (inches):  Water Table Present? Yes No _ ✓ Depth (inches):  Saturation Present? Yes No _ ✓ Depth (inches): Wetland Hydincludes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if availa	Shallow Aquitard (D3)
Surface Water Present? Yes No _ ✓ _ Depth (inches):  Water Table Present? Yes No _ ✓ _ Depth (inches):  Saturation Present? Yes No _ ✓ _ Depth (inches): Wetland Hydinches capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if availa	FAC-Neutral Test (D5)
Water Table Present?  Yes No Depth (inches): Wetland Hydinches applied to the properties of the properti	
Saturation Present? Yes No ✓ _ Depth (inches): Wetland Hydincludes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if availa	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if availa	
	rdrology Present? Yes <u>√</u> No
Remarks:	able:

WETLAND DETER	MOITANIN	DATA FORM	<ul> <li>Arid West Region</li> </ul>	
Project/Site: Stonegate Property	City/0	County: Chico/	Butte s	ampling Date: <u>2/25/16</u>
Applicant/Owner: Epick Homes, Inc.			State: <u>CA</u> Sa	ampling Point: 31b
Investigator(s): Charlotte Marks	Secti	ion, Township, Ra	nge: Sec 31&32, Town	ship 22North, Range 2E
Landform (hillslope, terrace, etc.): terrace				
Subregion (LRR):		•	· · · · · · · · · · · · · · · · · · ·	
Soil Map Unit Name: Redtough-Redswale Complex,				
Are climatic / hydrologic conditions on the site typical for this t				
Are Vegetation, Soil, or Hydrology sig				
Are Vegetation, Soil, or Hydrology nat				
SUMMARY OF FINDINGS – Attach site map sl				
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No Remarks:		Is the Sampled within a Wetlar	d Area nd? Yes	_ No
		minant Indicator	Dominance Test worksh	eet:
1			Number of Dominant Spec That Are OBL, FACW, or F	cies FAC: 0 (A)
2			Total Number of Dominant Species Across All Strata:	
Sapling/Shrub Stratum  1	0 23 2 50 25	UPL UPL /ES UPL UPL	Prevalence Index workst  Total % Cover of:  OBL species 0  FACW species 0  FAC species 0  UPL species 100  Column Totals: 100  Prevalence Index =  Hydrophytic Vegetation  Dominance Test is >5  Prevalence Index is ≤  Morphological Adapta data in Remarks of the problematic Hydrophy	heet:  Multiply by:  x 1 = 0  x 2 = 0  x 3 = 0  x 4 = 0  x 5 = 500  (A) 500  B/A = 5.00  Indicators:  50%  13.01  Altions (Provide supporting r on a separate sheet)
Z Total Cover: _	0		Hydrophytic Vegetation	/
% Bare Ground in Herb Stratum0 % Cover o	of Biotic Crust _		Present? Yes_	No <u></u>
Remarks:				

SOIL Sampling Point: 31b

	cription: (Describ	e to the depti				or confire	m the absend	ce of indicators.)
Depth (inches)	Matrix Color (moist)	<del></del> -		ox Feature %	sType1	Loc <sup>2</sup>	Texture	Remarks
<u>0-14</u>	7.5 Y/R 3/4	<u>100</u> _						Loamy clay
				_				
								_
				_				
<del></del>	· -						-	
	oncentration, D=De					e Lining, F		
Hydric Soil	Indicators: (Appli	icable to all L	.RRs, unless othe	rwise not	ed.)		Indicato	rs for Problematic Hydric Soils <sup>3</sup> :
Histosol	` '		Sandy Red	lox (S5)				n Muck (A9) (LRR C)
	pipedon (A2)		Stripped M					n Muck (A10) ( <b>LRR B</b> )
	istic (A3)		Loamy Mu	-				uced Vertic (F18)
	en Sulfide (A4)		Loamy Gle		(F2)			Parent Material (TF2)
	d Layers (A5) (LRF	(C)	Depleted N				Othe	er (Explain in Remarks)
	uck (A9) ( <b>LRR D</b> )		Redox Dar		` ′			
	d Below Dark Surfa	ice (A11)	Depleted D					
	ark Surface (A12)		Redox Dep		F8)		31	
	Mucky Mineral (S1)		Vernal Poo	ols (F9)				ors of hydrophytic vegetation and
	Gleyed Matrix (S4)						wetiai	nd hydrology must be present.
	Layer (if present):							
Type: <u>R</u>								,
Depth (in	iches): <u>14 inche</u> s	<u>S</u>					Hydric So	oil Present? Yes No <u></u> ✓
Remarks:								
HYDROLO	)GY							
	drology Indicators						San	condary Indicators (2 or more required)
	0.		:4)					
	cators (any one ind	icator is suπic						Water Marks (B1) (Riverine)
Surface	` '		Salt Crus	` ′				Sediment Deposits (B2) (Riverine)
	ater Table (A2)		Biotic Cru	st (B12)				Drift Deposits (B3) (Riverine)
Saturati	on (A3)		Aquatic Ir					Drainage Patterns (B10)
Water N	Marks (B1) ( <b>Nonriv</b> e	erine)	Hydrogen	Sulfide O	dor (C1)		_	Dry-Season Water Table (C2)
Sedime	nt Deposits (B2) ( <b>N</b>	onriverine)	Oxidized	Rhizosphe	res along	Living Ro	ots (C3)	Thin Muck Surface (C7)
Drift De	posits (B3) ( <b>Nonriv</b>	erine)	Presence	of Reduce	ed Iron (C	4)	_	Crayfish Burrows (C8)
Surface	Soil Cracks (B6)		Recent Ire	on Reducti	on in Plov	ved Soils (	(C6)	Saturation Visible on Aerial Imagery (C9)
Inundati	ion Visible on Aeria	l Imagery (B7	Other (Ex	plain in Re	marks)			Shallow Aquitard (D3)
Water-S	Stained Leaves (B9)	)			,			FAC-Neutral Test (D5)
Field Obser		·						
Surface Wat		Yes N	lo <u>√</u> Depth (ir	rches):				
Water Table			lo Depth (ir					/
Saturation P		Yes N	lo <u>✓</u> Depth (ir	nches):		_   Wet	land Hydrolo	ogy Present? Yes No _✓
	pillary fringe) corded Data (strea	m galige mor	nitoring well serial	photos pr	evious ins	pections)	if available:	
Dossibo No		gaago, 11101	omig won, donar	priotos, pr	CVIOGO IIIC	, p 00010113)	, a validato.	
Remarks:								

Project/Ste   Stonegate   Property   City/County   Chico/ Butte   Sampling Date   2/29/16   Applicant/Covers   Epick Homes   Inc.   Sate   CA   Sampling Point   32a   Investigatorys   Mereddith Branslad   Kelly Bayne   Section   Township, Range   Sec   31a.   Za   Za   Za   Za   Za   Za   Za	WETLAND DETERM	/INATION	I DATA	FORM -	– Arid West Region	
Applicant/Owner: Epick Homes, Inc.  Investigator(s): Mercdith Branstad, Kelly Bayne  Section, Township, Range: Section, Sci 18.32, Township 22North, Range 2  Local relief (concave, convex, none): DONCAVE  Subregion (LRR): C  Local relief (concave, convex, none): DONCAVE  Subregion (LRR): C  Soit Map Unit Name: Redtough-Redswale Complex, 10 to 2 Percent Slopes  Are Vegetation Protection on the site typical for this time of year? Yes \( \times \) No.  Are Vegetation Soil or Hydrology significantly disturbed? Are Thomal Circumstances' present? Yes \( \times \) No.  Are Vegetation Soil or Hydrology inatural physicial proteins time of year? Yes \( \times \) No.  By Control of Hydrology in the site Hy	Project/Site: Stonegate Property	City	y/County	: Chico/ E	Butte s	ampling Date: <u>2/29/16</u>
Section   Township   Range   Section   Township   Range   Sec 318.32   Township   22North   Range   2 Landform (fillilitope, termoe, etc.)   Efface   Leat 39,713617   Long: -121.782119   Datum:   Soli Map Unit Name:   Redtough-Redswale Complex   0 to 2 Percent Slopes   NNI classification:   excavated ditch   Are climated / hydrologic conditions on the site typical for this time of year? Yes						
Local relief (concave, convex, none): CONCAVE Subregion (LRR): C Lat: 39.713517 Long: _121.782119 Datum  Soli Map Unit Name: Redfough-Redswale Complex, 0 to 2 Percent Slopes NM dassification: excavated ditch Are dimatic / hydrologic conditions on the site hybrid for this time of year? Yes _V No	•					
Subtrepion (LRR): C Let: 39.713517 Long: -121.782119 Deturn:  Soil Map Unit Name Redtough-Redswale Complex, 0 to 2 Percent Slopes NuM classification: execuvated ditch—  Are climatic / hydrologic conditions on the site hybrid for this time of year? Yes _ No ((fine, explain in Remarks.))  Are Vegetation Soil						-
Soil Map Unit Name: Redtough-Redswale Complex, 0 to 2 Percent Slopes  Are climate / hydrologic conditions on the site typical for this time of year? Yes						
Are dimatic / hydrologic conditions on the site typical for this time of year? Yes						
Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No						
Are Vegetation Soil or Hydrology naturally problematic?		-				,
SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc.  Hydrophylic Vegetation Present? Yes V No Within a Wetland? Yes No No Within a Wetland? Yes No No Within a Wetland? Yes No						
Hydrophytic Vegetation Present?						
Hydro Soil Present?   Yes   V   No	Solving Trindings - Attach site map sit	lowing sa		g politi i	ocations, transects, i	inportant reatures, etc.
Dominance Test worksheet:   Number of Dominant Species   That Are OBL, FACW, or FAC:   1 (A)	Hydric Soil Present? Yes   Wetland Hydrology Present? Yes   ✓ No  No					_ No
That Are OBL, FACW, or FAC: 1 (A)  2.	A					
3.	1					
Total Cover: 0   Percent of Dominant Species   That Are OBL, FACW, or FAC: 100 (A/B)						t1 (B)
Total % Cover of:    Multiply by:	Total Cover:	0			Percent of Dominant Spec That Are OBL, FACW, or I	sies FAC: <u>100</u> (A/B)
3.	1				Prevalence Index worksl	neet:
4	2				Total % Cover of:	Multiply by:
Total Cover: 0						
Total Cover: 0						
Herb Stratum   1. Eryngium vaseyi   25						
1. Eryngium vaseyi						
2	Eryngium vaseyi	<u> 25 </u> _	<u>Y</u>	<u>FACW</u>		
Hydrophytic Vegetation Indicators:  5.						
Dominance Test is >50%   Prevalence Index is ≤3.0¹   Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)   Problematic Hydrophytic Vegetation¹ (Explain)   Problematic Hydrophytic Vegetation¹ (Explain)   Indicators of hydric soil and wetland hydrology must be present.   Hydrophytic Vegetation						
6 Prevalence Index is ≤3.0¹ 7 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Noody Vine Stratum  1 1Indicators of hydric soil and wetland hydrology must be present.  Total Cover: 0 Hydrophytic  Bare Ground in Herb Stratum 75 % Cover of Biotic Crust Prevalence Index is ≤3.0¹  — Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  — Problematic Hydrophytic Vegetation¹ (Explain)  **Hydrophytic Vegetation Present? Yes✓ No					1 7 7 7	
7 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)  Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)						
8						
Total Cover:25					data in Remarks o	r on a separate sheet)
Woody Vine Stratum   1					Problematic Hydrophy	tic Vegetation <sup>1</sup> (Explain)
2	Woody Vine Stratum				1	
2						nd wetland hydrology must
% Bare Ground in Herb Stratum					,	
					Vegetation	
Remarks:		f Biotic Crus	t		Present? Yes_	No
	Remarks:					

SOIL Sampling Point: 32a

m   11						
Depth Matrix (inches) Color (moist) %	Redox F Color (moist)	eatures %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-4 7.5YR 3/2 96 7		2				
	7.5YR 2.5/1	2		M		soft masses
	.011(2.0/1					<u>ook madddd</u>
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=R				re Lining, F		
Hydric Soil Indicators: (Applicable to all LI			d.)			for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Histic Epipedon (A2)	Sandy Redox Stripped Matri:					Muck (A9) ( <b>LRR C</b> ) Muck (A10) ( <b>LRR B</b> )
Black Histic (A3)	Loamy Mucky		(F1)			ced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed					Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matr				Other	(Explain in Remarks)
1 cm Muck (A9) (LRR D)	✓ Redox Dark S	,	,			
Depleted Below Dark Surface (A11) Thick Dark Surface (A12)	Depleted Dark Redox Depres					
Sandy Mucky Mineral (S1)	Vernal Pools (		• /		3Indicators	of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)					wetland	d hydrology must be present.
Restrictive Layer (if present):						
Type:	_					,
Depth (inches):	<u> </u>				Hydric Soi	I Present? Yes No
Remarks:						
Cobbley						
HYDROLOGY						
HYDROLOGY Wetland Hydrology Indicators:					Seco	ndary Indicators (2 or more required)
	ent)				\	Vater Marks (B1) (Riverine)
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficiently Surface Water (A1)	Salt Crust (B				\	Water Marks (B1) ( <b>Riverine</b> ) Gediment Deposits (B2) ( <b>Riverine</b> )
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficiently Surface Water (A1)  High Water Table (A2)	Salt Crust (B Biotic Crust (	B12)	(0.40)		\ :	Water Marks (B1) ( <b>Riverine</b> ) Gediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> )
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient of the surface Water (A1)  High Water Table (A2)  Saturation (A3)	Salt Crust (B Biotic Crust ( Aquatic Inver	B12) rtebrates			\ ? [ t	Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10)
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient of the sum of th	Salt Crust (B Biotic Crust ( Aquatic Inver	B12) rtebrates ılfide Od	or (C1)	Living Roc		Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2)
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient of the surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)	Salt Crust (B Biotic Crust ( Aquatic Inver Hydrogen Su Oxidized Rhi	B12) rtebrates ilfide Od zospher	or (C1) es along			Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7)
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient of the sum of th	Salt Crust (B Biotic Crust ( Aquatic Inver Hydrogen Su Oxidized Rhi Presence of	B12) rtebrates ilfide Od zospher Reduce	or (C1) es along d Iron (C	4)		Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2)
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient of the surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)	Salt Crust (B Biotic Crust ( Aquatic Inver Hydrogen Su Oxidized Rhi Presence of Recent Iron F	B12) rtebrates ulfide Od zospher Reducei Reductio	or (C1) es along d Iron (C on in Ploy	4)		Water Marks (B1) ( <b>Riverine</b> ) Gediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8)
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) ✓ Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	Salt Crust (B Biotic Crust ( Aquatic Inver Hydrogen Su Oxidized Rhi Presence of Recent Iron F	B12) rtebrates ulfide Od zospher Reducei Reductio	or (C1) es along d Iron (C on in Ploy	4)		Water Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Drayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9)
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  ✓ Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:	Salt Crust (B Biotic Crust ( Aquatic Inver Hydrogen Su Oxidized Rhi Presence of Recent Iron F Other (Explai	B12) rtebrates ulfide Od zospher Reduces Reduction in Rer	or (C1) es along d Iron (C on in Ploy marks)	4) wed Soils (		Water Marks (B1) (Riverine)  Gediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Gaturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient of the surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  ✓ Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes No.	Salt Crust (B Biotic Crust ( Aquatic Inver Hydrogen Su Oxidized Rhi Presence of Recent Iron F Other (Explain	B12) rtebrates ulfide Od zospher Reduces Reduction in Res es):	or (C1) es along d Iron (C on in Ploy marks)	4) wed Soils (		Water Marks (B1) (Riverine)  Gediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Gaturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient of the surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  ✓ Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes Note that water Table Present? Yes Note that water Table Present?	Salt Crust (B Biotic Crust ( Aquatic Inver Hydrogen Su Oxidized Rhi Presence of Recent Iron F Other (Explain	B12) rtebrates ulfide Od zospher Reducei Reductic in in Rer es):es):	or (C1) es along d Iron (C on in Ploy marks)	4) wed Soils (		Water Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Drayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Ghallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient of the surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  ✓ Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes Notest of the surface water Present?	Salt Crust (B Biotic Crust ( Aquatic Inver Hydrogen Su Oxidized Rhi Presence of Recent Iron F Other (Explain	B12) rtebrates ulfide Od zospher Reducei Reductic in in Rer es):es):	or (C1) es along d Iron (C on in Ploy marks)	4) wed Soils (		Water Marks (B1) (Riverine)  Gediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Gaturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient of the surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  ✓ Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes Note that water Table Present? Yes Note that water Table Present?	Salt Crust (B Biotic Crust ( Aquatic Inver Hydrogen Su Oxidized Rhi Presence of Recent Iron F Other (Explain	B12) rtebrates ulfide Od zospher Reduceic Reductic in in Rer es):es):es):es):	or (C1) es along d Iron (C on in Plov narks)	4) wed Soils (		Water Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Drayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Ghallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient of the sufficient	Salt Crust (B Biotic Crust ( Aquatic Inver Hydrogen Su Oxidized Rhi Presence of Recent Iron F Other (Explain	B12) rtebrates ulfide Od zospher Reduceic Reductic in in Rer es):es):es):es):	or (C1) es along d Iron (C on in Plov narks)	4) wed Soils (		Water Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Drayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Ghallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient of the sufficient	Salt Crust (B Biotic Crust ( Aquatic Inver Hydrogen Su Oxidized Rhi Presence of Recent Iron F Other (Explain	B12) rtebrates ulfide Od zospher Reduceic Reductic in in Rer es):es):es):es):	or (C1) es along d Iron (C on in Plov narks)	4) wed Soils (		Water Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Drayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Ghallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient of the sufficient	Salt Crust (B Biotic Crust ( Aquatic Inver Hydrogen Su Oxidized Rhi Presence of Recent Iron F Other (Explai	B12) rtebrates ulfide Od izospher Reducei Reductic in in Rer es): es): otos, pre	or (C1) es along d Iron (C on in Ploy marks)	4) wed Soils (		Water Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Drayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Ghallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient of Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  ✓ Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes Note of Saturation Present? Yes Note of Saturati	Salt Crust (B Biotic Crust ( Aquatic Inver Hydrogen Su Oxidized Rhi Presence of Recent Iron F Other (Explai	B12) rtebrates ulfide Od izospher Reducei Reductic in in Rer es): es): otos, pre	or (C1) es along d Iron (C on in Ploy marks)	4) wed Soils (		Water Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Drayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Ghallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient of the sufficient	Salt Crust (B Biotic Crust ( Aquatic Inver Hydrogen Su Oxidized Rhi Presence of Recent Iron F Other (Explai	B12) rtebrates ulfide Od izospher Reducei Reductic in in Rer es): es): otos, pre	or (C1) es along d Iron (C on in Ploy marks)	4) wed Soils (		Water Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Drayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Ghallow Aquitard (D3) FAC-Neutral Test (D5)

WETLAND DETER	MINATIO	ON DATA	FORM -	– Arid West Region
Project/Site: Stonegate Property	(	City/County	: Chico/	Butte Sampling Date: 2/23/16
Applicant/Owner: Epick Homes, Inc.				State: CA Sampling Point: 33a
Investigator(s): Kelly Bayne, Meredith Branstad				
Landform (hillslope, terrace, etc.): terrace				
Subregion (LRR): C				
Soil Map Unit Name: Redtough-Redswale Complex				
Are climatic / hydrologic conditions on the site typical for this				
Are Vegetation, Soil, or Hydrology signature and the state of the				
Are Vegetation, Soil, or Hydrology na				
SUMMARY OF FINDINGS – Attach site map s	howing	samplin	g point l	ocations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:  Yes   ✓ No  No		I	e Sampled in a Wetlar	d Area nd? Yes <u>√</u> No
VEGETATION	Absolute	Dominant	Indicator	Dominance Test worksheet:
1		Species?	<u>Status</u>	Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
2				Total Number of Dominant Species Across All Strata:1 (B)
4Total Cover: Sapling/Shrub Stratum				Percent of Dominant Species That Are OBL, FACW, or FAC:100 (A/B)
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species x 1 = FACW species x 2 =
4				FAC species x 3 =
5Total Cover:				FACU species x 4 =
Herb Stratum				UPL species x 5 =
1. Hordeum marinum		Y	FAC	Column Totals: (A) (B)
2. Avena fatua				5 1 1 50
3				Prevalence Index = B/A =
4				Hydrophytic Vegetation Indicators:  ✓ Dominance Test is >50%
5				Prevalence Index is ≤3.01
6 7				Morphological Adaptations¹ (Provide supporting
8				data in Remarks or on a separate sheet)
Total Cover:				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum				
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present.
2				<u>'</u>
Total Cover:	0			Hydrophytic Vegetation
% Bare Ground in Herb Stratum0 % Cover	of Biotic Cr	ust		Present? Yes _ ✓ No
Remarks:				

SOIL Sampling Point: 33a

Profile Desc	cription: (Describe	to the dept				or confi	rm the absenc	e of indicators.)
Depth	<u>Matrix</u>		Redo	x Feature	s _	. 🤈		
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
<u>0-6</u>	7.5YR 2.5/2		7.5YR 5/8	5	<u>C</u>	<u>M</u>	<u>Clay</u>	
			7.5YR 2/1		С	<u>M</u>	_	Prominent mottling, soft mas
								_
						-		
							_	
							_	
	oncentration, D=Dep					ore Lining,		
_	Indicators: (Applic	able to all	ŕ		ea.)			rs for Problematic Hydric Soils <sup>3</sup> :
Histosol	· /		Sandy Red					Muck (A9) (LRR C)
	pipedon (A2)		Stripped Ma		1754)			Muck (A10) (LRR B)
Black H			Loamy Muc	-				uced Vertic (F18)
	en Sulfide (A4) d Layers (A5) ( <b>LRR (</b>	-1	Loamy Gley Depleted M		(F2)		_	Parent Material (TF2) er (Explain in Remarks)
	uck (A9) ( <b>LRR D</b> )	-)	✓ Redox Dark		(F6)		Otile	(Explain in Remarks)
	d Below Dark Surfac	e (A11)	Depleted D					
	ark Surface (A12)	• (* 1.17)	Redox Depi					
	Mucky Mineral (S1)		Vernal Pool		,		<sup>3</sup> Indicato	rs of hydrophytic vegetation and
	Gleyed Matrix (S4)						wetlar	nd hydrology must be present.
Restrictive	Layer (if present):							
Type:								
Depth (in	ches):						Hydric Sc	oil Present? Yes <u>√</u> No
Remarks:								
HYDROLO	GY							
Wetland Hy	drology Indicators:						<u>Sec</u>	ondary Indicators (2 or more required)
Primary Indi	cators (any one indic	ator is suffi	cient)					Water Marks (B1) (Riverine)
Surface	Water (A1)		Salt Crust	(B11)				Sediment Deposits (B2) (Riverine)
High Wa	ater Table (A2)		Biotic Crus	st (B12)				Drift Deposits (B3) (Riverine)
Saturati	on (A3)		Aquatic In	vertebrate	s (B13)		✓	Drainage Patterns (B10)
Water N	Marks (B1) ( <b>Nonrive</b> ri	ine)	Hydrogen	Sulfide O	dor (C1)			Dry-Season Water Table (C2)
Sedime	nt Deposits (B2) ( <b>No</b> i	nriverine)	Oxidized F	Rhizosphe	res along	Living R	oots (C3)	Thin Muck Surface (C7)
	posits (B3) ( <b>Nonrive</b> i		Presence					Crayfish Burrows (C8)
	Soil Cracks (B6)	ŕ	Recent Iro					Saturation Visible on Aerial Imagery (C9)
	ion Visible on Aerial I	magery (B7						Shallow Aquitard (D3)
_	Stained Leaves (B9)		<i>,</i> — · · ·		,			FAC-Neutral Test (D5)
Field Obser	vations:							, ,
Surface Wat	ter Present? Y	es l	No <u>√</u> Depth (in	ches):				
Water Table			No <u>✓</u> Depth (in					
							Hand Hydrala	ogy Present? Yes ✓ No
Saturation P	pillary fringe)	es i	No _✓ Depth (in	cnes)		vve	tianu nyururu	ogy Fresent? Tes_▼ NO
	corded Data (stream	gauge, mo	nitoring well, aerial	photos, pr	evious in	spections	), if available:	
Remarks:								
Mottod	vocatation							
ivialled	vegetation							

WETLAND DETERMI	INATIO	ON DA	ATA F	ORM	– Arid West Regio	n		
Project/Site: Stonegate Property		City/Cou	unty: _(	Chico/	Butte	_ Samplin	g Date: <u>2/23/</u>	16
Applicant/Owner: Epick Homes, Inc.								
Investigator(s): Kelly Bayne, Meredith Branstad								
Landform (hillslope, terrace, etc.): terrace						=		_
Subregion (LRR): C L								
Soil Map Unit Name: <u>Redtough-Redswale Complex, C</u>								
				-			-	
Are climatic / hydrologic conditions on the site typical for this tim								-
Are Vegetation, Soil, or Hydrology signif					"Normal Circumstances"			lo
Are Vegetation, Soil, or Hydrology natur	ally prol	blematio	c?	(If ne	eeded, explain any answ	ers in Rem	narks.)	
SUMMARY OF FINDINGS – Attach site map sho	owing	samp	ling	point I	ocations, transect	ts, impor	tant feature	es, etc.
Hydrophytic Vegetation Present? Yes No	$\checkmark$			Sampled a Wetlar	d Area nd? Yes	No		
VEGETATION At	solute	Domin	nant In	dicator	Dominance Test wo	rksheet:		
1					Number of Dominant That Are OBL, FACW		0	(A)
2					Total Number of Dom Species Across All St		1	(B)
4	0				Percent of Dominant That Are OBL, FACW		0	(A/B)
1					Prevalence Index w	orksheet:		
2					Total % Cover of	<u>:                                    </u>	Multiply by:	_
3					OBL species	x	1 =	_
4					FACW species			
5					FAC species			_
Total Cover:	0				FACU species			_
1. Hordeum marinum	90	Y	, U	PL	UPL species			
2. Avena fatua					Column Totals:	(A	.)	— (B)
3. Centaurea solstitialis					Prevalence Inde	ex = B/A =	-	
4					Hydrophytic Vegeta	tion Indica	tors:	
5					Dominance Test	is >50%		
6					Prevalence Index			
7					Morphological Ad	Japtations <sup>1</sup>	(Provide suppor separate sheet)	rling
8					Problematic Hydi			
Woody Vine Stratum	100				i robiemano riyar	opitytio vo	догалон (ширга	,
1					<sup>1</sup> Indicators of hydric s	oil and wet	land hydrology	must
2					be present.		,	
Total Cover:					Hydrophytic			
					Vegetation		No. d	
% Bare Ground in Herb Stratum 0 % Cover of I	SIONE Cr	ust			Present?	A2	No <u>√</u>	
Remarks:								

SOIL Sampling Point: 33b

Profile Desc	cription: (Describe	to the dep	th needed to docu	ment the i	ndicator	or confirm	n the absence	of indicators.)
Depth	Matrix		Redo	x Features	5			
(inches)	Color (moist)	%	Color (moist)	%	_Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-4	5YR 3/4	93	Manganese	7	С	M	Silty clay	
			nodules					
			Hodules					
17 0-0		leties DM	Dealers and Makeier	21+:	. DI -D-			
	oncentration, D=Dep Indicators: (Applic					re Lining, r		for Problematic Hydric Soils <sup>3</sup> :
_	`	able to all	ŕ		su. <i>)</i>			
Histosol	, ,		Sandy Red					Muck (A9) (LRR C)
	oipedon (A2)		Stripped M	, ,	1754)			Muck (A10) (LRR B)
	istic (A3)		Loamy Muc				_	ed Vertic (F18)
	en Sulfide (A4)	<b>~</b> \	Loamy Gle	=	(F2)		_	arent Material (TF2)
	d Layers (A5) (LRR (	<b>L</b> )	Depleted M		F6\		Other	(Explain in Remarks)
	ick (A9) ( <b>LRR D</b> )	- (Add)	Redox Dari	,				
	d Below Dark Surfac	e (ATT)	Depleted D Redox Dep					
	ark Surface (A12) /lucky Mineral (S1)		Kedox Dep Vernal Poo		-0)		3In diagtors	of hydrophytic vegetation and
	Gleyed Matrix (S4)		vernai Foc	15 (ГЭ)				hydrology must be present.
	Layer (if present):						Wettarru	Trydrology mast be present.
Depth (in	ches):						Hydric Soil	Present? Yes No
Remarks:								
HYDROLO	GY							
Wetland Hy	drology Indicators:						<u>Secor</u>	ndary Indicators (2 or more required)
Primary India	cators (any one indic	ator is suff	icient)				v	Vater Marks (B1) ( <b>Riverine</b> )
Surface	Water (A1)		Salt Crust	(B11)			s	rediment Deposits (B2) (Riverine)
	ater Table (A2)		Biotic Cru					prift Deposits (B3) (Riverine)
Saturation	` ′		Aquatic In	, ,	s (R13)			prainage Patterns (B10)
	on (AS) farks (B1) ( <b>Nonrive</b> r	ino\	Hydrogen					ry-Season Water Table (C2)
						Livina Da		
	nt Deposits (B2) ( <b>No</b>			•		_		hin Muck Surface (C7)
	posits (B3) (Nonrive	rine)	Presence					rayfish Burrows (C8)
_	Soil Cracks (B6)		Recent Ire			wed Soils (		aturation Visible on Aerial Imagery (C9)
_	on Visible on Aerial	lmagery (B	7) Other (Ex	plain in Re	marks)			hallow Aquitard (D3)
	tained Leaves (B9)						F	AC-Neutral Test (D5)
Field Obser	vations:							
Surface Wat	er Present? Y	es	No <u>√</u> Depth (ir	iches):				
Water Table	Present? Y	'es	No <u>√</u> Depth (in	iches):				
Saturation P	resent? Y	'es	No <u>✓</u> Depth (in	iches):		Wetl	land Hydrolog	y Present? Yes No _✓
(includes car	oillary fringe)							
Describe Re	corded Data (stream	gauge, mo	onitoring well, aerial	photos, pre	evious in	spections),	, if available:	
Remarks:								

WETLAND DETERI	MINATIO	ON DATA	A FORM	– Arid West Region
Project/Site: Stonegate Property	(	Dity/County	: Chico/	Butte Sampling Date: 2/25/16
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u> Sampling Point: <u>34a</u>
Investigator(s): Meredith Branstad, Charlotte Marks				
Landform (hillslope, terrace, etc.):				-
Subregion (LRR): C				
Soil Map Unit Name: Doemill-Jokerst Complex, 3 to				
Are climatic / hydrologic conditions on the site typical for this t		-	,	
Are Vegetation, Soil, or Hydrology sig				"Normal Circumstances" present? Yes✓_ No
Are Vegetation, Soil, or Hydrology nai				eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s	nowing	sampiin	g point i	ocations, transects, important features, et
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes   ✓ No  Yes  ✓ No  Remarks:			ne Sampled iin a Wetlar	d Area nd? Yes <u>√</u> No
	Absolute		Indicator	Dominance Test worksheet:
1				Number of Dominant Species That Are OBL, FACW, or FAC:3 (A)
2				Total Number of Dominant Species Across All Strata:3 (B)
4 Total Cover: Sapling/Shrub Stratum				Percent of Dominant Species That Are OBL, FACW, or FAC:100 (A/B
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species x 1 =
4				FACW species x 2 = FAC species x 3 =
5Total Cover:				FACU species x 4 =
Herb Stratum				UPL species x 5 =
1. Hordeum marinum	40	Y	FAC	Column Totals: (A) (B)
2. Plagiobothrys stipitatus	20	Y	FACW	
3. <u>Festuca perennis</u>			FAC	Prevalence Index = B/A =
4. Blennosperma nanum			FACW	Hydrophytic Vegetation Indicators:
5				✓ Dominance Test is >50%
6				<ul> <li>Prevalence Index is ≤3.0¹</li> <li>Morphological Adaptations¹ (Provide supporting</li> </ul>
7				data in Remarks or on a separate sheet)
8Total Cover:				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum	95			
1				Indicators of hydric soil and wetland hydrology must
2				be present.
Total Cover:	0			Hydrophytic
% Bare Ground in Herb Stratum	of Biotic Cr	ust	0	Vegetation Present? Yes ✓ No
Remarks:				

SOIL Sampling Point: 34a

Donth								
Depth (inches)	Matrix Color (moist)	%	Color (moist)	<u>x Features</u> %	_Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-10	7.5YR 3/2		7.5YR 2.5/1		<u> </u>			Terrans
0-10	1.31K 3/2						<u>Clay</u>	
			7.5YR 4/6		<u>C</u>	<u> PL</u>		
							-	
							-	
1T. mai. C-Ca	oncentration, D=Deple	otion DM	-Dadused Metrix	21 eastion		ro Linina F	O-Boot Chan	and Manufacturity
	indicators: (Applica					re Lining, r		for Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Red		,			Muck (A9) (LRR C)
_	pipedon (A2)		Stripped M					Muck (A10) ( <b>LRR B</b> )
Black His			Loamy Mud		(F1)			ed Vertic (F18)
Hydroger	n Sulfide (A4)		Loamy Gle	yed Matrix	(F2)		Red Pa	arent Material (TF2)
	Layers (A5) (LRR C	;)	Depleted M				Other (	Explain in Remarks)
	ck (A9) (LRR D)	(A44)	✓ Redox Darl	,	,			
	d Below Dark Surface ark Surface (A12)	(ATT)	Depleted D Redox Dep		` ′			
_	lucky Mineral (S1)		Vernal Poo		0)		3Indicators	of hydrophytic vegetation and
	Sleyed Matrix (S4)		<del>_</del>	,				hydrology must be present.
Restrictive L	ayer (if present):							
Type:								
Depth (inc	ches):						Hydric Soil	Present? Yes No
Remarks:								
HYDROLO	GY							
							Secon	idary Indicators (2 or more required)
Wetland Hyd	drology Indicators:	ator is suffi	cient)				· · · · · · · · · · · · · · · · · · ·	idary Indicators (2 or more required) /ater Marks (B1) ( <b>Riverine</b> )
Wetland Hyd	drology Indicators: ators (any one indica	ator is suffi		(B11)			\	/ater Marks (B1) (Riverine)
Wetland Hyden Primary Indice	drology Indicators: ators (any one indica Water (A1)	ator is suffi	Salt Crust	. ,			\ \s	/ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> )
Wetland Hyden Primary Indice Surface Manual High Wa	drology Indicators: eators (any one indica Water (A1) ter Table (A2)	ator is suffi		st (B12)	s (B13)		W S D	/ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> ) rift Deposits (B3) ( <b>Riverine</b> )
Wetland Hyd Primary Indic Surface N High Wa Saturatio	drology Indicators: eators (any one indica Water (A1) ter Table (A2)		Salt Crust ✓ Biotic Cru	st (B12) vertebrate			W S D	/ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> )
Wetland Hyd Primary Indic Surface N High Wa ✓ Saturatic Water M	drology Indicators: eators (any one indica Water (A1) ter Table (A2) on (A3)	ne)	Salt Crust ✓ Biotic Cru Aquatic In Hydrogen	st (B12) vertebrate Sulfide Oc	lor (C1)	J Living Ro	W s D D	/ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10)
Wetland Hyd Primary Indic  Surface N High Wa ✓ Saturatic Water M: Sedimen	drology Indicators: eators (any one indica Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverii	ne) nriverine)	Salt Crust ✓ Biotic Cru Aquatic In Hydrogen	st (B12) vertebrate Sulfide Od Rhizosphel	lor (C1) es along	-	W S D D D ots (C3) Ti	vater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> ) rift Deposits (B3) ( <b>Riverine</b> ) rainage Patterns (B10) ry-Season Water Table (C2)
Wetland Hyd Primary Indic Surface N High Wa ✓ Saturatio Water M Sedimen Drift Dep	drology Indicators: cators (any one indicators) Water (A1) ter Table (A2) on (A3) arks (B1) (Nonrivering)	ne) nriverine)	Salt Crust  ✓ Biotic Cru  Aquatic In  Hydrogen  Oxidized I	st (B12) vertebrate Sulfide Od Rhizospher of Reduce	lor (C1) es along d Iron (C	(4)	W S D D D ots (C3) TI	/ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> ) rift Deposits (B3) ( <b>Riverine</b> ) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7)
Wetland Hyd Primary Indic Surface N High Wa ✓ Saturatic Water M Sedimen Drift Dep Surface S Inundation	drology Indicators: cators (any one indicators) water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveriator) to Deposits (B2) (Nonriveriator) societs (B3) (Nonriveriator) Soil Cracks (B6) on Visible on Aerial In	ne) nriverine) ine)	Salt Crust  ✓ Biotic Cru  — Aquatic In  — Hydrogen  — Oxidized I  — Presence  — Recent Iro	st (B12) vertebrates Sulfide Oc Rhizosphel of Reduce on Reduction	lor (C1) es along d Iron (C on in Plo	(4)	W S D D D D C(C3) TI C C6) S	/ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3)
Wetland Hyd Primary Indic Surface N High Wa ✓ Saturatio Water M Sedimen Drift Dep Surface S Inundatio Water-St	drology Indicators: cators (any one indicators) water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveriatoriato (B3) (Nonriveriatoriato (B3) (Nonriveriatoriato (B3) (Nonriveriatoriato (B3) (Nonriveriatoriato (B4))	ne) nriverine) ine)	Salt Crust  ✓ Biotic Cru  — Aquatic In  — Hydrogen  — Oxidized I  — Presence  — Recent Iro	st (B12) vertebrates Sulfide Oc Rhizosphel of Reduce on Reduction	lor (C1) es along d Iron (C on in Plo	(4)	W S D D D D C(C3) TI C C6) S	vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9)
Wetland Hyd Primary Indic  Surface N High Wa ✓ Saturatio Water Mi Sedimen Drift Dep Surface S Inundatio Water-St	drology Indicators: cators (any one indicators) water (A1) ter Table (A2) on (A3) arks (B1) (Nonrivering) to Deposits (B2) (Nonrivering) cosits (B3) (Nonrivering) cosits (B3) (Nonrivering) con Visible on Aerial Intained Leaves (B9) contained Servering	ne) nriverine) ine) magery (B'	Salt Crust  ✓ Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Ird Other (Ex	st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction	lor (C1) res along d Iron (C on in Plo marks)	(4) wed Soils (	W S D D D D C(C3) TI C C6) S	/ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3)
Wetland Hyd  Primary Indic  Surface V  High Wa  Saturatio  Water Mi  Sedimen  Drift Dep  Surface S  Inundatio  Water-St  Field Observ  Surface Water	drology Indicators: cators (any one indicators) water (A1) ter Table (A2) on (A3) arks (B1) (Nonrivering) to Deposits (B2) (Nonrivering) soil Cracks (B6) on Visible on Aerial Intained Leaves (B9) vations: er Present?	ne) nriverine) ine) magery (B'	Salt Crust  ✓ Biotic Cru  — Aquatic In  — Hydrogen  — Oxidized I  — Presence  — Recent Iro  7) Other (Ex	st (B12) vertebrate: Sulfide Oc Rhizosphei of Reduce on Reduction plain in Re	lor (C1) res along d Iron (C on in Plo marks)	wed Soils (	W S D D D D C(C3) TI C C6) S	/ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3)
Wetland Hyd Primary Indic  Surface N High Wa ✓ Saturatio Water Mi Sedimen Drift Dep Surface S Inundatio Water-St	drology Indicators: cators (any one indicators) water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverination Deposits (B2) (Nonriverination Deposits (B3) (Nonriverination Cracks (B6) on Visible on Aerial Intained Leaves (B9) vations: er Present? Yee	ne) nriverine) ine) magery (B'	Salt Crust  ✓ Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Iro Other (Ex	st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re ches): ches):	lor (C1) res along d Iron (C on in Plo marks)	4) wed Soils (	W S D D D D C(C3) TI C C6) S F.	/ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
Wetland Hyde Primary Indice Surface N High Wa ✓ Saturatio Water Ma Sedimen Drift Dep Surface S Inundatio Water-St Field Observ Surface Water Water Table Saturation Pr	drology Indicators: cators (any one indicators) water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverinator) to Deposits (B2) (Nonriverinator) Soil Cracks (B6) on Visible on Aerial Intained Leaves (B9) vations: er Present? Yesent? Yesent?	ne) nriverine) ine) magery (B'	Salt Crust  ✓ Biotic Cru  — Aquatic In  — Hydrogen  — Oxidized I  — Presence  — Recent Iro  7) Other (Ex	st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re ches): ches):	lor (C1) res along d Iron (C on in Plo marks)	4) wed Soils (	W S D D D D C(C3) TI C C6) S F.	/ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3)
Wetland Hyden Primary Indice Surface Water Manager Surface Surface Surface Surface Water Stried Observator Table Saturation Principulation Saturation Principulation Surface Water Table Saturation Principulation Surface Surface Water Table Saturation Principulation Surface Surface Surface Water Table Saturation Principulation Surface	drology Indicators: cators (any one indicators) water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverination Deposits (B2) (Nonriverination Deposits (B3) (Nonriverination Deposits (B6) on Visible on Aerial Intained Leaves (B9) vations: er Present? Present? Yesent? Yesent? Yesent? Yesent?	ne) nriverine) ine) magery (B'	Salt Crust  ✓ Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex  No ✓ Depth (in  No _ Depth (in	st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re ches): ches): ches):	lor (C1) res along d Iron (C on in Plo marks)	wed Soils (	W   S   S   S   S   S   S   S   S   S	/ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
Wetland Hyden Primary Indice Surface Water Manager Surface Surface Surface Surface Water Stried Observator Table Saturation Principulation Saturation Principulation Surface Water Table Saturation Principulation Surface Surface Water Table Saturation Principulation Surface Surface Surface Water Table Saturation Principulation Surface	drology Indicators: cators (any one indicators) water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverinator) to Deposits (B2) (Nonriverinator) Soil Cracks (B6) on Visible on Aerial Intained Leaves (B9) vations: er Present? Yesent? Yesent?	ne) nriverine) ine) magery (B'	Salt Crust  ✓ Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex  No ✓ Depth (in  No _ Depth (in	st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re ches): ches): ches):	lor (C1) res along d Iron (C on in Plo marks)	wed Soils (	W   S   S   S   S   S   S   S   S   S	/ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
Wetland Hyden Primary Indice Surface Water Manager Surface Surface Surface Surface Water Stried Observator Table Saturation Principulation Saturation Principulation Surface Water Table Saturation Principulation Surface Surface Water Table Saturation Principulation Surface Surface Surface Water Table Saturation Principulation Surface	drology Indicators: cators (any one indicators) water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverination Deposits (B2) (Nonriverination Deposits (B3) (Nonriverination Deposits (B6) on Visible on Aerial Intained Leaves (B9) vations: er Present? Present? Yesent? Yesent? Yesent? Yesent?	ne) nriverine) ine) magery (B'	Salt Crust  ✓ Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex  No ✓ Depth (in  No _ Depth (in	st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re ches): ches): ches):	lor (C1) res along d Iron (C on in Plo marks)	wed Soils (	W   S   S   S   S   S   S   S   S   S	/ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
Wetland Hyden Primary Indices Surface Water Mandatices Water-St Field Observ Surface Water Table Saturation Pr (includes caped Describe Received Surface Surface Water Table Saturation Pr (includes caped Describe Received Surface Water Caped Surface Water Table Saturation Pr (includes caped Describe Received Surface Water Caped Surface Water Table Saturation Pr (includes caped Describe Received Surface Water Caped Surface	drology Indicators: cators (any one indicators) water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverination Deposits (B2) (Nonriverination Deposits (B3) (Nonriverination Deposits (B6) on Visible on Aerial Intained Leaves (B9) vations: er Present? Present? Yesent? Yesent? Yesent? Yesent?	ne) nriverine) ine) magery (B'	Salt Crust  ✓ Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex  No ✓ Depth (in  No _ Depth (in	st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re ches): ches): ches):	lor (C1) res along d Iron (C on in Plo marks)	wed Soils (	W   S   S   S   S   S   S   S   S   S	/ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
Wetland Hyden Primary Indices Surface Water Mandatices Water-St Field Observ Surface Water Table Saturation Pr (includes caped Describe Received Surface Surface Water Table Saturation Pr (includes caped Describe Received Surface Water Caped Surface Water Table Saturation Pr (includes caped Describe Received Surface Water Caped Surface Water Table Saturation Pr (includes caped Describe Received Surface Water Caped Surface	drology Indicators: cators (any one indicators) water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverination Deposits (B2) (Nonriverination Deposits (B3) (Nonriverination Deposits (B6) on Visible on Aerial Intained Leaves (B9) vations: er Present? Present? Yesent? Yesent? Yesent? Yesent?	ne) nriverine) ine) magery (B'	Salt Crust  ✓ Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex  No ✓ Depth (in  No _ Depth (in	st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re ches): ches): ches):	lor (C1) res along d Iron (C on in Plo marks)	wed Soils (	W   S   S   S   S   S   S   S   S   S	/ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
Wetland Hyden Primary Indices Surface Water Mandatices Water-St Field Observ Surface Water Table Saturation Pr (includes caped Describe Received Surface Surface Water Table Saturation Pr (includes caped Describe Received Surface Water Caped Surface Water Table Saturation Pr (includes caped Describe Received Surface Water Caped Surface Water Table Saturation Pr (includes caped Describe Received Surface Water Caped Surface	drology Indicators: cators (any one indicators) water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverination Deposits (B2) (Nonriverination Deposits (B3) (Nonriverination Deposits (B6) on Visible on Aerial Intained Leaves (B9) vations: er Present? Present? Yesent? Yesent? Yesent? Yesent?	ne) nriverine) ine) magery (B'	Salt Crust  ✓ Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex  No ✓ Depth (in  No _ Depth (in	st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re ches): ches): ches):	lor (C1) res along d Iron (C on in Plo marks)	wed Soils (	W   S   S   S   S   S   S   S   S   S	/ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)

WEILA	ND DETEKN	VIINATI	JN DATA	A FURIVI	– Aria vvest Region		
Project/Site: Stonegate Property		(	City/County	: Chico/ I	/ Butte Sampling Date: <u>9/23/16</u>		
Applicant/Owner: Epick Homes, Inc.					State: <u>CA</u>	Sampling Point: 35a	
Investigator(s): Meredith Branstad		;	Section, To	wnship, Ra	nge: <u>Sec 31&amp;32, Tov</u>	wnship 22North, Range 2l	
Landform (hillslope, terrace, etc.): terrace			Local relief	(concave,	convex, none): Concav	<u>'e</u> Slope (%): <1%	
Subregion (LRR): C		Lat: <u>39.</u>	7153		_ Long: <u>-121.7870</u>	Datum: <u>NAD 83</u>	
Soil Map Unit Name: Wafap-Hamslough							
Are climatic / hydrologic conditions on the site				,			
Are Vegetation, Soil, or Hydrole	ogy sig	nificantly	disturbed?	Are "	"Normal Circumstances" p	oresent? Yes <u>√</u> No	
Are Vegetation, Soil, or Hydrole							
SUMMARY OF FINDINGS – Attach	site man sl	howina	samplin	a point le	ocations, transects	: important features, etc.	
				9   0	, , , , , , , , , , , , , , , , , , , ,	,	
Hydrophytic Vegetation Present? Yes	s_ <u>√</u> No.		Is th	e Sampled	l Area		
Hydric Soil Present? Yes Wetland Hydrology Present? Yes	S ✓ No.		with	in a Wetlar	nd? Yes <u>√</u>	No	
Remarks:	<u> </u>						
1							
VEGETATION							
VEGETATION		Absolute	Dominant	Indicator	Dominance Test work	reheat.	
<u>Tree Stratum</u> (Use scientific names.)			Species?		Number of Dominant S		
1						or FAC:1 (A)	
2					Total Number of Domin		
3					Species Across All Stra	ata:1 (B)	
4	Total Cover: _	0			Percent of Dominant Sp	pecies	
Sapling/Shrub Stratum	Total Cover				That Are OBL, FACW,	or FAC:100 (A/B)	
1					Prevalence Index wor		
2						Multiply by:	
3						x 1 =	
4						x 2 = x 3 =	
5	Total Cover: _					x 4 =	
Herb Stratum	Total Cover					x 5 =	
1. Festuca perennis		95_	Y	<u>FAC</u>		(A) (B)	
2. Hordeum marinum				<u>FAC</u>		B/A	
3. Eryngium vaseyi				<u>FACW</u>		= B/A =	
4					Hydrophytic Vegetation ✓ Dominance Test is		
5					Prevalence Index is		
6						ptations <sup>1</sup> (Provide supporting	
8.					data in Remark	s or on a separate sheet)	
	Total Cover:				Problematic Hydro	phytic Vegetation¹ (Explain)	
Woody Vine Stratum					1		
1					be present.	il and wetland hydrology must	
2					Hydrophytic		
	Total Cover: _			•	Vegetation	,	
% Bare Ground in Herb Stratum	<u>5</u> % Cover o	f Biotic Cr	ust	0_	Present? Ye	s No	
Remarks:							

SOIL Sampling Point: 35a

	ription: (Describe to	o the dept				or confirm	the absence	of indicators.)
Depth (inches)	Matrix Color (moist)	<del>%</del>	Redo Color (moist)	<u>x Features</u> %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-5	7.5YR 2.5/2							extremely cobbley
<u>0-5</u>	1.51K 2.5/Z	90_	1.51K 3/0		<u> </u>	IVI	Clay IUa+	extremely cobbley
1Tumo: C=C	oncentration, D=Deple	tion DM-	Deduced Metrix	21 eastion	. DI -Da	ralining D		nol Manufacture
	ndicators: (Applica					re Lining, R		for Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Red		,			Muck (A9) (LRR C)
_	pipedon (A2)		Stripped Ma					Muck (A10) (LRR B)
Black His			Loamy Mud		(F1)			ed Vertic (F18)
Hydroge	n Sulfide (A4)		Loamy Gley		(F2)		Red P	arent Material (TF2)
	Layers (A5) (LRR C	)	Depleted M	. ,			Other	(Explain in Remarks)
	ck (A9) (LRR D)	(0.4.4)	✓ Redox Dark	,	,			
. — .	l Below Dark Surface irk Surface (A12)	(ATT)	Depleted D Redox Dep		. ,			
_	lucky Mineral (S1)		Vernal Pool		0)		3Indicators	of hydrophytic vegetation and
	leyed Matrix (S4)			()				l hydrology must be present.
Restrictive L	.ayer (if present):							
Type:								
Depth (inc	ches):						Hydric Soil	Present? Yes No
Remarks:								
Very har	d to get testab	ole soil	sample due	to cobb	oles.			
HYDROLO	GY							
Wetland Hyd	drology Indicators:						Secor	ndary Indicators (2 or more required)
_	ators (any one indica	tor is suffi	cient)				·	Vater Marks (B1) (Riverine)
	Water (A1)		Salt Crust	(B11)				Sediment Deposits (B2) (Riverine)
_	ter Table (A2)		✓ Biotic Crus				·	Prift Deposits (B3) (Riverine)
Saturation	` ′		Aquatic In		s (B13)			Prainage Patterns (B10)
Water M	arks (B1) (Nonriverir	ne)	Hydrogen					Pry-Season Water Table (C2)
Sedimen	t Deposits (B2) ( <b>Non</b>	riverine)	Oxidized F	Rhizosphei	es along	Living Roo	ots (C3) T	hin Muck Surface (C7)
Drift Dep	osits (B3) ( <b>Nonriveri</b>	ne)	Presence	of Reduce	d Iron (C	4)	<	crayfish Burrows (C8)
Surface	Soil Cracks (B6)		Recent Iro			wed Soils (0	C6) <u>√</u> S	Saturation Visible on Aerial Imagery (C9)
	on Visible on Aerial In	nagery (B7	') Other (Exp	olain in Re	marks)			Shallow Aquitard (D3)
	tained Leaves (B9)							AC-Neutral Test (D5)
Field Observ								
Surface Wate			No Depth (in					
Water Table			No Depth (in					/
Saturation Pr		s l	No Depth (in	ches):		Wetla	and Hydrolog	y Present? Yes <u>√</u> No
(includes cap Describe Red	corded Data (stream g	gauge, mo	nitoring well, aerial	photos, pro	evious in:	spections).	if available:	
		<b>3</b> -,	g,	,, <b>,</b>		,		
Remarks:								
	rankia danraa	oion N	la incided dr	ninaaa	nattar	na in ac	منا المائم	nacted to accur in atomos
			no incised dia	amage	patter	115 111 50	Jii, Dut ex	pected to occur in storms
pased of	n swale topog	rapny.						

WETLAND DETER	NINATIO	ON DATA	A FORM	– Arid West Region
Project/Site: Stonegate Property	(	Dity/County	: Chico/	Butte Sampling Date: 9/23/16
Applicant/Owner: Epick Homes, Inc.				State: CA Sampling Point: 35b
•				inge: Sec 31&32, Township 22North, Range 2
Landform (hillslope, terrace, etc.): terrace				
Subregion (LRR): C				
Soil Map Unit Name: Wafap-Hamslough Complex, (				
Are climatic / hydrologic conditions on the site typical for this			,	
Are Vegetation, Soil, or Hydrology signature and the desired and the second				
Are Vegetation, Soil, or Hydrology na				
SUMMARY OF FINDINGS – Attach site map s	howing	samplin	g point l	ocations, transects, important features, etc
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No  Remarks:	· _ ✓ _		ne Sampled nin a Wetlan	d Area nd? Yes No✓
	Absolute % Cover	Dominant Species?		Dominance Test worksheet:
1				Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
2				Total Number of Dominant Species Across All Strata:1 (B)
4				Percent of Dominant Species That Are OBL, FACW, or FAC:100 (A/B)
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species x 1 =
4				FACW species x 2 =
5				FAC species x 3 =
Total Cover:				FACU species x 4 = UPL species x 5 =
1. Festuca perennis	<u>95</u>	Y	FAC	Column Totals: (A) (B)
2. Hordeum marinum		N	FAC	(1)
3. Tritelileia hyacinthina			FAC	Prevalence Index = B/A =
4				Hydrophytic Vegetation Indicators:
5				✓ Dominance Test is >50%
6				Prevalence Index is ≤3.0 <sup>1</sup>
7				Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation (Explain)
Total Cover:	101			
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2.				be present.
Total Cover:				Hydrophytic
% Bare Ground in Herb Stratum0 % Cover	of Biotic Cr	ust	0_	Vegetation Present? Yes _ ✓ No
Remarks:				

SOIL Sampling Point: 35b

Profile Des	cription: (Descri	be to the dep	th needed to docu	ment the ii	ndicator	or confirm	n the absence	of indicators.)	
Depth	Matri:			x Features	;				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-3	7.5YR 2.5/2	100_	None				Clay loa	no mottles	
3-6	7.5YR 2.5/2	93	2.5YR 2.5/4	7	С	PL	Clay loan	prominent mottles sitting on	
								top of cobbles	
	-							top or copples	
1- 0.0				21					
			=Reduced Matrix. LRRs, unless othe			re Lining, R		nel, M=Matrix. for Problematic Hydric Soils³:	
		Jiicabie to ali			;u.)				
Histosol	pipedon (A2)		Sandy Red Stripped M					Muck (A9) ( <b>LRR C</b> ) Muck (A10) ( <b>LRR B</b> )	
	istic (A3)		Stripped Mi		(F1)			ed Vertic (F18)	
	en Sulfide (A4)		Loamy Gle	_				arent Material (TF2)	
	d Layers (A5) ( <b>LF</b>	RC)	Depleted M		(. –)			(Explain in Remarks)	
	ıck (A9) ( <b>LRR D</b> )		✓ Redox Darl		F6)			(	
	d Below Dark Sur		Depleted D						
Thick D	ark Surface (A12)	ı	Redox Dep	ressions (F	-8)				
	Mucky Mineral (S1		Vernal Poo	ls (F9)				of hydrophytic vegetation and	
	Gleyed Matrix (S4						wetland	hydrology must be present.	
	Layer (if present	):							
Type:								,	
Depth (in	ches):						Hydric Soil	Present? Yes No✓	
Remarks:									
	low for F3								
			ind 4 in. thick						
Some mo	ottling on top	of cobbles	, but not suffici	ent thick	iness t	o meet l	F6		
HYDROLO	icv								
	drology Indicato	uro:					Sanar	ndary Indicators (2 or more required)	
_			niam#)				•		
	cators (any one in	idicator is suili		(B44)				Vater Marks (B1) (Riverine)	
Surface	` '		Salt Crust	* *				sediment Deposits (B2) (Riverine)	
	ater Table (A2)		Biotic Cru	` /	(0.40)			Prift Deposits (B3) (Riverine)	
Saturati			Aquatic In					Prainage Patterns (B10)	
	Marks (B1) (Nonri		Hydrogen			Lista a Da		Ory-Season Water Table (C2)	
	nt Deposits (B2) (							hin Muck Surface (C7)	
_	posits (B3) (Nonr	iverine)	Presence					crayfish Burrows (C8)	
	Soil Cracks (B6)	ial Imagan//P	Recent Iro			wea Solis (		saturation Visible on Aerial Imagery (C9)	
	ion Visible on Aer Stained Leaves (B		7) Other (Ex	piaili ili Rei	marks)			Shallow Aquitard (D3)	
Field Obser		9)					<u></u>	AC-Neutral Test (D5)	
		V	N - D 41- /:-	-1					
Surface Wat			No Depth (in						
Water Table			No Depth (in						
Saturation P	resent? pillary fringe)	Yes	No Depth (in	iches):		Wetl	and Hydrolog	y Present? Yes No	
		am gauge, mo	onitoring well, aerial	photos, pre	evious ins	spections),	if available:		
	•								
Remarks:									
	o of topolo-	امما طمعت	nacion Na !	مأممط ط	roina	70 50tt-	arno in aci	Library posted to accomin	
_				cisea a	ıama(	je patte	ems in soi	I, but expected to occur in	
storms I	pased on sv	vale topo	grapny.						

WETLAND DETERI	MINATIC	ON DAT	A FORM	– Arid West Region
Project/Site: Stonegate Property	(	City/County	: Chico/	Butte Sampling Date: 9/23/16
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u> Sampling Point: <u>35c</u>
Investigator(s): Meredith Branstad	5	Section, To	wnship, Ra	nge: Sec 31&32, Township 22North, Range 2E
Landform (hillslope, terrace, etc.): terrace				
Subregion (LRR): C				
Soil Map Unit Name: Wafap-Hamslough Complex, 0				
Are climatic / hydrologic conditions on the site typical for this t			,	
Are Vegetation, Soil, or Hydrology sig				
Are Vegetation, Soil, or Hydrology nai				
SUMMARY OF FINDINGS – Attach site map s				
-			9	,,,,,,,
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No			e Sampled	
Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	<u> </u>	with	in a Wetlar	nd? Yes No <u>√</u>
Remarks:				
VEGETATION				
	Absolute		Indicator	Dominance Test worksheet:
	% Cover			Number of Dominant Species That Are OBL, FACW, or FAC:1(A)
1				That Are OBL, FACW, of FAC (A)
2 3				Total Number of Dominant Species Across All Strata:2 (B)
4				Opedies Adross Air Strata(B)
Total Cover:	0			Percent of Dominant Species That Are OBL, FACW, or FAC:50 (A/B)
Sapling/Shrub Stratum				
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species x 1 =
4				FACW species x 2 = FAC species 70
5Total Cover:				FACU species x 4 =
Herb Stratum				UPL species 33 x 5 = 165
1. Croton setigerus	3	N	<u>UPL</u>	Column Totals: 103 (A) 375 (B)
2. Festuca perennis		Y	FAC	
3. Elymus caput-medusae		Y	<u>UPL</u>	Prevalence Index = B/A = 3.64
4. Hordeum marinum		N	FAC	Hydrophytic Vegetation Indicators:
5				Dominance Test is >50% Prevalence Index is ≤3.0¹
6				Morphological Adaptations¹ (Provide supporting)
7				data in Remarks or on a separate sheet)
8Total Cover:				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum	105			
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2				be present.
Total Cover:	0			Hydrophytic
% Bare Ground in Herb Stratum % Cover of	of Biotic Cr	ust	0_	Vegetation Present? Yes No _✓
Remarks:		<u> </u>		

SOIL Sampling Point: 35c

(inches)	Matrix			ox Features		1 - 2	T (	D
	Color (moist)		, ,	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	7.5YR 2.5/2	<u>100</u> <u>r</u>	none				Clay loa	no redox features
	_							
								-
	Concentration, D=Deple					Lining, F		
	I Indicators: (Applica	ble to all L			d.)			for Problematic Hydric Soils <sup>3</sup> :
Histoso	, ,		Sandy Re					Muck (A9) (LRR C)
	Epipedon (A2)		Stripped N		(E4)			Muck (A10) (LRR B)
	Histic (A3) gen Sulfide (A4)			icky Mineral eyed Matrix (				ed Vertic (F18) arent Material (TF2)
	ed Layers (A5) ( <b>LRR C</b>	.)	Depleted I		,1 2)			(Explain in Remarks)
	fluck (A9) (LRR D)	,		rk Surface (F	-6)		00101	(Explain in Normana)
	ed Below Dark Surface	(A11)		Dark Surface				
Thick [	Dark Surface (A12)		Redox De	pressions (F	8)			
Sandy	Mucky Mineral (S1)		Vernal Po	ols (F9)			<sup>3</sup> Indicators	of hydrophytic vegetation and
	Gleyed Matrix (S4)						wetland	hydrology must be present.
Restrictive	Layer (if present):							
Туре:								,
Depth (ii	nches):						Hydric Soil	Present? Yes No _ ✓
Remarks:								
YDROLO	OGY							
							Seco	ndary Indicators (2 or more required)
Wetland H	ydrology Indicators:	ator is suffici	ent)					ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> )
Wetland Hy	ydrology Indicators: licators (any one indica	ator is suffici		et (B11)			v	Vater Marks (B1) (Riverine)
Wetland Hy Primary Ind	ydrology Indicators: dicators (any one indica e Water (A1)	utor is suffici	Salt Crus	, ,			v	Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> )
Wetland Hy Primary Ind Surface High W	ydrology Indicators: dicators (any one indica e Water (A1) /ater Table (A2)	ator is suffici	Salt Crus	ust (B12)	. (R13)		v s c	Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> )
Wetland Hy Primary Ind Surface High W Satural	ydrology Indicators: dicators (any one indica e Water (A1) /ater Table (A2) tion (A3)		Salt Crus Biotic Cru Aquatic I	ust (B12) nvertebrates			v s c	Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10)
Wetland Hy Primary Ind Surface High W Saturat Water	ydrology Indicators: dicators (any one indica e Water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonriveria	ne)	Salt Crus Biotic Cru Aquatic I Hydrogei	ust (B12) nvertebrates n Sulfide Od	or (C1)	ivina Roc	v s c	Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2)
Wetland Hy Primary Ind Surface High W Satural Water Sedime	ydrology Indicators: dicators (any one indicate e Water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonrivering ent Deposits (B2) (Non	ne) iriverine)	Salt Crus Biotic Cru Aquatic I Hydrogei Oxidized	ust (B12) nvertebrates n Sulfide Ode Rhizosphere	or (C1) es along L	_	V S C C C	Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Original Muck Surface (C7)
Wetland H Primary Ind Surface High W Satural Water Sedime Drift De	ydrology Indicators: dicators (any one indicate Water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonriveriate ent Deposits (B2) (Nonriveriate)	ne) iriverine)	Salt Crus Biotic Cru Aquatic I Hydrogei Oxidized Presence	ust (B12) nvertebrates n Sulfide Ode Rhizosphere e of Reduced	or (C1) es along L d Iron (C4)	)	V S C C ots (C3) T	Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Orinin Muck Surface (C7) Orayfish Burrows (C8)
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Wetland Hy Primary Ind Surface High W Satural Water Sedime Drift De Surface Inunda Water- Field Obse Surface Wa Water Table Saturation I (includes ca Describe R	ydrology Indicators: dicators (any one indicate Water (A1) Jater Table (A2) tion (A3) Marks (B1) (Nonrivering ent Deposits (B2) (Nonrivering e Soil Cracks (B6) tion Visible on Aerial In Stained Leaves (B9) ervations: ater Present? Present? Present? Ye apillary fringe) ecorded Data (stream is	ne) iriverine) ine) magery (B7) es No es No gauge, mon	Salt Crus Biotic Cru Aquatic II Hydrogei Oxidized Presence Recent Ir Other (E) Depth (i	ust (B12) nvertebrates n Sulfide Ode Rhizosphere e of Reduced con Reductio xplain in Ren nches):	or (C1) es along L I Iron (C4) n in Plowe narks)	ed Soils (	V S C C C C C C	Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Chin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Challow Aquitard (D3) CAC-Neutral Test (D5)
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WETLAND DETER	MINATIO	ON DATA	FORM	<ul> <li>Arid West Region</li> </ul>		
Project/Site: Stonegate Property		Dity/County	: Chico/	Butte s	ampling Date: <u>9/23/1</u>	16
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u> Sa	ampling Point: 36b	
Investigator(s): Meredith Branstad	{	Section, To	wnship, Ra	nge: Sec 31&32, Town	ship 22North, Ra	nge 2E
Landform (hillslope, terrace, etc.): terrace						
Subregion (LRR): C						
Soil Map Unit Name: Wafap-Hamslough Complex, (						
Are climatic / hydrologic conditions on the site typical for this					-	
Are Vegetation, Soil, or Hydrology signature of the state typical for this						^
Are Vegetation, Soil, or Hydrology na						·
SUMMARY OF FINDINGS – Attach site map s						e etc
Consider the state of the state	illowing	Sampini	g ponit i	ocations, transects, i	inportant reature	s, e.c.
Hydrophytic Vegetation Present? Yes <u>√</u> No		ls th	e Sampled	d Area		
Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	)	with	in a Wetlar	nd? Yes	_ No <u> </u>	
Wetland Hydrology Present? Yes No Remarks:						
Remarks.						
VEGETATION						
	Absolute	Dominant	Indicator	Dominance Test worksh	eet:	
	% Cover			Number of Dominant Spec		
1				That Are OBL, FACW, or I	FAC:2	(A)
2				Total Number of Dominan	t	
3				Species Across All Strata:	3	(B)
4Total Cover:				Percent of Dominant Spec	ies	
Sapling/Shrub Stratum				That Are OBL, FACW, or I	=AC: <u>6/%</u>	(A/B)
1				Prevalence Index worksl	neet:	
2				Total % Cover of:	Multiply by:	_
3				OBL species		
4				FACW species		
5				FAC species		_
Total Cover: Herb Stratum	0			FACU species		_
Festuca perennis	40	Υ	FAC	UPL species		
Hordeum marinum			FAC	Column Totals:	(A)	_ (B)
3. Avena fatua			UPL	Prevalence Index =	B/A =	_
4.				Hydrophytic Vegetation	Indicators:	
5				✓ Dominance Test is >5		
6				Prevalence Index is ≤		
7				Morphological Adapta	itions1 (Provide suppor r on a separate sheet)	ling
8				Problematic Hydrophy	·	
Total Cover:	100			rrosiemano riyaropin	tio regulation (Explain	,
1				<sup>1</sup> Indicators of hydric soil ar	nd wetland hydrology r	nust
2.				be present.		
Total Cover:				Hydrophytic		
			0	Vegetation	./ No	
% Bare Ground in Herb Stratum 0 % Cover	OT BIOLIC CE	ust	0_	Present? Yes_	✓ No	
Remarks:						

SOIL Sampling Point: 36b

Depth	<u>Matrix</u>			<u>x Features</u>			_	<u> </u>
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-4	7.5YR 2.5/3	<u>99</u>	5YR 3/4	1	<u>C</u>	<u>M</u>	Clay loan	Faint mottles
T 0-0-			- De alue and Markein	214:				- I M-M-M-Mi
			=Reduced Matrix. LRRs, unless othe			e Lining, F		for Problematic Hydric Soils <sup>3</sup> :
		able to all			.,			
Histosol (	ipedon (A2)		Sandy Red Stripped M					Muck (A9) ( <b>LRR C</b> ) Muck (A10) ( <b>LRR B</b> )
Hack His			Loamy Mud		(F1)			ed Vertic (F18)
	Sulfide (A4)		Loamy Gle	-				arent Material (TF2)
	Layers (A5) (LRR C	:)	Depleted M		,		_	(Explain in Remarks)
	ck (A9) ( <b>LRR D</b> )		Redox Darl		F6)			,
Depleted	Below Dark Surface	e (A11)	Depleted D	ark Surfac	e (F7)			
	rk Surface (A12)		Redox Dep		<del>-</del> 8)			
	ucky Mineral (S1)		Vernal Poo	ls (F9)				of hydrophytic vegetation and
	leyed Matrix (S4)						wetland	hydrology must be present.
	ayer (if present):							
Туре:								
Type: Depth (inc							Hydric Soil	Present? Yes No
Type: Depth (inc Remarks:	hes):						Hydric Soil	Present? Yes No _✓
Type:	hes):							
Type: Depth (inc Remarks:  YDROLOG Wetland Hyd	hes):						Secon	ndary Indicators (2 or more required)
Type: Depth (inc Remarks:  YDROLOG Vetland Hyd Primary Indic	hes):  GY  Irology Indicators: ators (any one indica		icient)	(R11)			Secon W	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> )
Type: Depth (inc Remarks:  YDROLOG Vetland Hyd Primary Indic Surface \	hes):  GY  Irology Indicators: ators (any one indicators)		icient) Salt Crust	` '			<u>Secor</u> W S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> )
Type: Depth (inc Remarks:  YDROLOG Vetland Hyd Primary Indic Surface \ High Wat	hes):  Irology Indicators: ators (any one indicators) Water (A1) ter Table (A2)		icient) Salt Crust Biotic Cru	st (B12)	c (R13)		<u>Secor</u> W S D	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Prift Deposits (B3) (Riverine)
Type: Depth (inc Remarks:  YDROLOG  Vetland Hyd  Primary Indic  Surface \ High Wat  Saturatio	hes):  Irology Indicators: ators (any one indicators) Water (A1) ter Table (A2) n (A3)	ator is suff	icient) Salt Crust Biotic Cru Aquatic In	st (B12) vertebrate			<u>Secor</u> W S D D	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Varift Deposits (B3) ( <b>Riverine</b> ) Varinage Patterns (B10)
Type: Depth (inc Remarks:  YDROLOG  Vetland Hyd  Primary Indic  Surface N  High Wal  Saturatio  Water Ma	hes):  Irology Indicators: ators (any one indicators (A1) ter Table (A2) n (A3) arks (B1) (Nonriveri	ator is suff	icient) Salt Crust Biotic Cru Aquatic In Hydrogen	st (B12) vertebrate Sulfide Od	dor (C1)	Living Ro	<u>Secor</u> W S D D D D	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2)
Type: Depth (inc Remarks:  YDROLOG  Vetland Hyd  Primary Indic  Surface \ High Wat  Saturatio  Water Ma  Sedimen	hes):  Irology Indicators: ators (any one indicators (Any one indicators) ators (Al) ter Table (A2) n (A3) arks (B1) (Nonriverist Deposits (B2) (Noriverist (B2))	ator is suff ne) nriverine)	icient) Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I	st (B12) vertebrate Sulfide Od Rhizosphe	dor (C1) res along	_	Secor W S D D ts (C3) T	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Originage Patterns (B10) Ory-Season Water Table (C2) Whin Muck Surface (C7)
Type: Depth (inc Remarks:  YDROLOG Vetland Hyd Primary Indic Surface \ High Wat Saturatio Water Ma Sedimen Drift Dep	hes):  Irology Indicators: ators (any one indicators) Atter (A1) ter Table (A2) n (A3) arks (B1) (Nonriveriator) t Deposits (B2) (Noriveriator)	ator is suff ne) nriverine)	icient) Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence	st (B12) vertebrate Sulfide Od Rhizosphel of Reduce	dor (C1) res along d Iron (C	4)	Secor W S D D ts (C3) T C	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Bediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Originage Patterns (B10) Ory-Season Water Table (C2) In Muck Surface (C7) Orayfish Burrows (C8)
Type: Depth (inc Remarks:  YDROLOG Wetland Hyd Primary Indic Surface \ High Wat Saturatio Water Ma Sedimen Drift Dep Surface \	hes):  Irology Indicators: ators (any one indicators) Atter (A1) ter Table (A2) n (A3) arks (B1) (Nonriveriators) t Deposits (B2) (Noriveriators) osits (B3) (Nonriveriators)	ne) nriverine) ine)	icient) Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Iro	st (B12) vertebrate Sulfide Od Rhizosphel of Reduce on Reduction	dor (C1) res along d Iron (C on in Ploy	4)	Secor  — W  — S  — D  — D  — D  — D  — C  — C  — C  — C	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Shin Muck Surface (C7) Crayfish Burrows (C8) Seaturation Visible on Aerial Imagery (CS
Type: Depth (inc Remarks:  YDROLOG  Vetland Hyd  Primary Indic  Surface \ High Wat  Saturatio  Water Ma  Sedimen  Drift Dep  Surface \ Inundation	hes):  Irology Indicators: ators (any one indicators (any one indicators) Arter (A1) ter Table (A2) n (A3) arks (B1) (Nonrivering (B2) (Nonrivering (B3) (No	ne) nriverine) ine)	icient) Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Iro	st (B12) vertebrate Sulfide Od Rhizosphel of Reduce on Reduction	dor (C1) res along d Iron (C on in Ploy	4)	Secor W S D D D D C C S S S S S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Shin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Schallow Aquitard (D3)
Type: Depth (inc Remarks:  YDROLOG  Vetland Hyd Surface \ High Wat Saturatio Water Ma Sedimen Drift Dep Surface \ Inundatio Water-St	hes):  Irology Indicators: ators (any one indicators) Atter (A1) ter Table (A2) n (A3) arks (B1) (Nonriveriator) t Deposits (B2) (Nonciveriator) cosits (B3) (Nonriveriator) cosits (B6) on Visible on Aerial Inained Leaves (B9)	ne) nriverine) ine)	icient) Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Iro	st (B12) vertebrate Sulfide Od Rhizosphel of Reduce on Reduction	dor (C1) res along d Iron (C on in Ploy	4)	Secor W S D D D D C C S S S S S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Shin Muck Surface (C7) Crayfish Burrows (C8) Seaturation Visible on Aerial Imagery (CS
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Type:	hes):  Irology Indicators: ators (any one indicators (any one indicators) Avater (A1) ter Table (A2) In (A3) arks (B1) (Nonriveriator) to Deposits (B2) (Noriveriator) Soil Cracks (B6) In Visible on Aerial Inained Leaves (B9) Irations: Ir Present? Irations:	ne) nriverine) ine) magery (B	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc 7) Other (Ex  No Depth (in No Depth (in onitoring well, aerial	st (B12) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction plain in Re ches): ches): photos, pro	dor (C1) res along d Iron (C on in Ploy marks)	4) wed Soils (  Wetl spections),	Secor   W   S   S   S   S   S   S   S   S   S	Indary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orainage Patterns (B10) Oray-Season Water Table (C2) In Muck Surface (C7) Orayfish Burrows (C8) Seaturation Visible on Aerial Imagery (C8) Schallow Aquitard (D3) AC-Neutral Test (D5)

WETLAND DETER	RMINATIO	ON DAT	A FORM	– Arid West Region
Project/Site: Stonegate Property	(	City/County	: Chico/	Butte Sampling Date: 9/23/16
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u> Sampling Point: <u>37a</u>
Investigator(s): Meredith Branstad		Section, To	wnship, Ra	unge: Sec 31&32, Township 22North, Range 2
Landform (hillslope, terrace, etc.): <u>terrace</u>				
Subregion (LRR): C				
Soil Map Unit Name: Wafap-Hamslough Complex,				
Are climatic / hydrologic conditions on the site typical for this			,	
Are Vegetation, Soil, or Hydrology si				
Are Vegetation, Soil, or Hydrology no				
SUMMARY OF FINDINGS – Attach site map s				
Solvinary OF Findings - Attach site maps	silowing	Sampini	y ponit i	ocations, transects, important reatures, etc
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:  Yes   ✓ No  Yes  ✓ No  No  No  No  No  No  No  No  No  No	o	I	ne Sampled iin a Wetlar	d Area nd? Yes <u>√</u> No
VEGETATION  Tree Stratum (Use scientific names.)	Absolute % Cover		Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant Species Across All Strata: (B)
4				Percent of Dominant Species That Are OBL, FACW, or FAC:100 (A/B)
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species x 1 =
4				FACW species x 2 =
5				FAC species x 3 =
Total Cover: Herb Stratum	:			FACU species x 4 = UPL species x 5 =
1. Festuca perennis	40	Y	FAC	Column Totals: (A) (B)
2. Hordeum marinum		Υ	FAC	(A)(B)
3. Centromadia fitchii	3	N	<u>FACU</u>	Prevalence Index = B/A =
4				Hydrophytic Vegetation Indicators:
5				✓ Dominance Test is >50%
6				Prevalence Index is ≤3.0 <sup>1</sup>
7				Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Total Cover:	103_			
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2.				be present.
Total Cover:				Hydrophytic
% Bare Ground in Herb Stratum % Cover	of Biotic Cr	rust	0	Vegetation Present? Yes ✓ No
Remarks:			<del></del> _	

SOIL Sampling Point: 37a

Depth (inches)	Matrix Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6								prominent mottles
								•
Type: C=Co	oncentration, D=Depl	etion, RM	=Reduced Matrix.	<sup>2</sup> Location	: PL=Por	e Lining, F		
lydric Soil I	ndicators: (Applica	ble to all	LRRs, unless othe	rwise note	ed.)		Indicators	s for Problematic Hydric Soils <sup>3</sup> :
Histosol	` '		Sandy Red					Muck (A9) (LRR C)
	ipedon (A2)		Stripped M		(E4)			Muck (A10) (LRR B)
Black His	stic (A3) n Sulfide (A4)		Loamy Mu	_				ced Vertic (F18)
	n Sullide (A4) I Layers (A5) ( <b>LRR C</b>	3	Loamy Gle Depleted N		(1-2)			Parent Material (TF2) · (Explain in Remarks)
_	ck (A9) (LRR D)	')	✓ Redox Dar	. ,	F6)		Outer	(Explain in Nomains)
	Below Dark Surface	(A11)	Depleted D					
	rk Surface (A12)	( /	Redox Dep					
Sandy M	lucky Mineral (S1)		Vernal Poo				3Indicators	s of hydrophytic vegetation and
Sandy G	leyed Matrix (S4)						wetlan	d hydrology must be present.
Restrictive L	.ayer (if present):							
T								
1 ype:								
Depth (inc	ches):						Hydric Soi	il Present? Yes <u>√</u> No
Depth (inc Remarks: Very cob	bley						Hydric Soi	il Present? Yes <u>√</u> No
Depth (ind Remarks: /ery cob	shes):							
Depth (ind Remarks: Very Cob YDROLOG	obley  GY  Irology Indicators:						Secc	ondary Indicators (2 or more required)
Depth (income property colors)  YDROLOG Vetland Hyderimary Indicates	ches):  bbley  GY  trology Indicators: ators (any one indicators)		icient)	. (B11)			<u>Secc</u>	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> )
Depth (incomplete Control Cont	ches):		icient) Salt Crusi				<u>Secc</u>	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> )
Depth (income per per per per per per per per per pe	ches):		icient) Salt Crusi Biotic Cru	st (B12)	s (B13)		<u>Secc</u>	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> )
Depth (incomplete Control Cont	Shes):	ator is suff	icient) Salt Crusi Biotic Cru Aquatic Ir	st (B12) vertebrate			Seco	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10)
Depth (ind Remarks: /ery cob YDROLOG Vetland Hyd Primary Indic Surface ' High Wa Saturatio Water M	ches):	ntor is suff	icient) Salt Crusi Biotic Cru Aquatic Ir Hydrogen	st (B12) vertebrate Sulfide Od	lor (C1)	Living Roc	Secc	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2)
Depth (income property Color Property Color Property Color Property Indicome property Color Property Indicome property Color P	GY  Irology Indicators: ators (any one indicators (A1) ter Table (A2) on (A3) arks (B1) (Nonriveri	ntor is suff	icient) Salt Crusi Biotic Cru Aquatic Ir Hydrogen Oxidized	st (B12) vertebrate Sulfide Od Rhizosphe	lor (C1) es along		Second Se	wondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7)
Depth (ind Remarks: Very Cob YDROLOG Wetland Hyd Primary Indic Surface Water M Saturation Water M Sedimen Drift Dep	ches):	ntor is suff	icient) Salt Crusi Biotic Cru Aquatic Ir Hydrogen Oxidized Presence	st (B12) vertebrate Sulfide Od	lor (C1) es along d Iron (C4	1)	Second Se	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8)
Depth (index perimary Indicated Water Manager	ches):	ntor is suff ne) nriverine) ine)	icient)  Salt Crusi Biotic Cru Aquatic Ir Oxidized Presence Recent Ir	st (B12) vertebrate Sulfide Od Rhizosphel of Reduce on Reduction	lor (C1) res along d Iron (C4 on in Plow	1)	Secondary Secon	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8)
Depth (ind Remarks: Very Cob YDROLOG Wetland Hyd Primary Indic Surface Water M Sedimen Drift Dep Surface Inundation	drology Indicators: ators (any one indicators (A1) ter Table (A2) on (A3) arks (B1) (Nonriveriat Deposits (B2) (Noriversoits (B3) (Nonriversoits (B3) (Nonriversoit Cracks (B6)	ntor is suff ne) nriverine) ine)	icient)  Salt Crusi Biotic Cru Aquatic Ir Oxidized Presence Recent Ir	st (B12) vertebrate Sulfide Od Rhizosphel of Reduce on Reduction	lor (C1) res along d Iron (C4 on in Plow	1)	Secco	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Depth (inconsense)  Proposition of the consense of the consens	GY  Irology Indicators: ators (any one indicators (any one indicators) ators (B1) (Nonriveriator) ators (B1) (Nonriveriator) ators (B3) (Nonriveriator) ators (B4)	ntor is suff ne) nriverine) ine)	icient)  Salt Crusi Biotic Cru Aquatic Ir Oxidized Presence Recent Ir	st (B12) vertebrate Sulfide Od Rhizosphel of Reduce on Reduction	lor (C1) res along d Iron (C4 on in Plow	1)	Secco	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (ind Remarks: Very cob YDROLOG Wetland Hyd Primary Indic Surface Water M Sedimen Drift Dep Surface Inundation	GY  Irology Indicators: ators (any one indicators (any one indicators) water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveriat Deposits (B2) (Nonriveriators) cosits (B3) (Nonriveriators) on Visible on Aerial Interiatined Leaves (B9) vations:	ne) nriverine) ine) nagery (B	icient)  Salt Crusi Biotic Cru Aquatic Ir Oxidized Presence Recent Ir	st (B12) Vertebrate Sulfide Oc Rhizospher of Reduce on Reduction	flor (C1) res along d Iron (C4 on in Plow marks)	ł) /ed Soils (	Secco	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (indexed) Remarks: Very Cob  YDROLOG  Wetland Hyd  Primary Indice  High Wa  Saturation  Water M  Sediment  Drift Dept  Surface: Inundation  Water-Si  Field Observ	ches):	ne) nriverine) ine) magery (B	icient)  Salt Crus Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir 7) Other (Ex	st (B12) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction plain in Re	lor (C1) res along d Iron (C4 on in Plow marks)	l) ved Soils (	Secco	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (income and income and inco	ches):	ne) ariverine) ine) magery (B	icient)  Salt Crusi Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir 7) Other (Ex	st (B12) Evertebrate Sulfide Oc Rhizosphei of Reduce on Reduction plain in Re eches): ches):	lor (C1) res along d Iron (C4 on in Plow marks)	ł) ved Soils (i	Secondary Second	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inconservation Principles Capetal Conservation Principles Capetal Capet	ches):	ne) ariverine) ine) magery (B	icient)  Salt Crusi Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir 7) Other (Ex  No Depth (ir No Depth (ir	st (B12) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction plain in Re aches): aches):	lor (C1) res along d Iron (C4 on in Plow marks)	ved Soils (	Second Se	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inconservation)  Primary Indio  Surface Water M Sedimen Drift Dep Surface Surface Water-Si Field Observ Surface Water Vater Table Saturation Princludes cap Describe Recomb	ches):	ne) ariverine) ine) magery (B	icient)  Salt Crusi Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir 7) Other (Ex  No Depth (ir No Depth (ir	st (B12) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction plain in Re aches): aches):	lor (C1) res along d Iron (C4 on in Plow marks)	ved Soils (	Second Se	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (indicated processing proce	ches):  pbley  drology Indicators: ators (any one indicators) ators (any one indicators) ators (any one indicators) ators (any one indicators) ators (A1) ter Table (A2) arks (B1) (Nonriveriator) arks (B1) (Nonriveriator) arks (B3) (Nonriveriator) arks (B3) (Nonriveriator) arks (B3) (Nonriveriator) arks (B3) (Nonriveriator) arks (B4) (Nonriveriator) arks	ne) ariverine) ine) magery (B	icient)  Salt Crusi Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Other (Ex  No Depth (ir No Depth (ir No Depth (ir onitoring well, aerial	st (B12) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction plain in Re uches): uches): uches): photos, pro	dor (C1) res along d Iron (C4 on in Plow marks)	wed Soils (	Second	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inconservation)  Primary Indiconservation  Water Mand Sediment  Drift Depton Surface in Inundation  Water-Strield Observation  Water Table  Saturation Princludes cap  Describe Reconservation	ches):  pbley  drology Indicators: ators (any one indicators) ators (any one indicators) ators (any one indicators) ators (any one indicators) ators (A1) ter Table (A2) arks (B1) (Nonriveriator) arks (B1) (Nonriveriator) arks (B3) (Nonriveriator) arks (B3) (Nonriveriator) arks (B3) (Nonriveriator) arks (B3) (Nonriveriator) arks (B4) (Nonriveriator) arks	ne) ariverine) ine) magery (B	icient)  Salt Crusi Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Other (Ex  No Depth (ir No Depth (ir No Depth (ir onitoring well, aerial	st (B12) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction plain in Re uches): uches): uches): photos, pro	dor (C1) res along d Iron (C4 on in Plow marks)	wed Soils (	Second	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (income property Color Propert	ches):  pbley  drology Indicators: ators (any one indicators) ators (any one indicators) ators (any one indicators) ators (any one indicators) ators (A1) ter Table (A2) arks (B1) (Nonriveriator) arks (B1) (Nonriveriator) arks (B3) (Nonriveriator) arks (B3) (Nonriveriator) arks (B3) (Nonriveriator) arks (B3) (Nonriveriator) arks (B4) (Nonriveriator) arks	ne) ariverine) ine) magery (B	icient)  Salt Crusi Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir 7) Other (Ex  No Depth (ir No Depth (ir No Depth (ir onitoring well, aerial	st (B12) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction plain in Re uches): uches): uches): photos, pro	dor (C1) res along d Iron (C4 on in Plow marks)	wed Soils (	Second	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)

WETLAND DETER	MINATIO	ON DATA	A FORM	– Arid West Region
Project/Site: Stonegate Property	(	City/County	r: Chico/	Butte Sampling Date: 9/23/16
Applicant/Owner: Epick Homes, Inc.				State: CA Sampling Point: 38a
Investigator(s): Meredith Branstad	;	Section, To	wnship, Ra	unge: Sec 31&32, Township 22North, Range 2E
Landform (hillslope, terrace, etc.): terrace				
Subregion (LRR): C				
Soil Map Unit Name: Wafap-Hamslough Complex, (				
Are climatic / hydrologic conditions on the site typical for this				
Are Vegetation, Soil, or Hydrology signature of the state typical for this				
Are Vegetation, Soil, or Hydrology na				
SUMMARY OF FINDINGS – Attach site map s				
Solvinari of Findings - Attach site map s	illowing	Sampini	ig politi	ocations, transects, important reatures, etc.
Hydrophytic Vegetation Present? Yes   Hydric Soil Present? Yes   Wetland Hydrology Present? Yes   No   Remarks:			ne Sampleo nin a Wetlar	d Area nd? Yes <u>√</u> No
	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:  Number of Dominant Species
1				That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant Species Across All Strata: (B)
4				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species x 1 =
4				FACW species x 2 =
5			·	FAC species x 3 = FACU species x 4 =
Total Cover: Herb Stratum				UPL species x 5 =
1. Hordeum marinum	50	Y	FAC	Column Totals: (A) (B)
2. Festuca perennis	30	Y	FAC	
3. Eryngium vaseyi	10	N	FACW	Prevalence Index = B/A =
4. Elymus caput-medusae			<u>UPL</u>	Hydrophytic Vegetation Indicators:
5. <u>Triteleia hyacinthina</u>			FAC	✓ Dominance Test is >50%
6				Prevalence Index is ≤3.01
7				Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Total Cover:				
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2.				be present.
Total Cover:				Hydrophytic
% Bare Ground in Herb Stratum % Cover	of Biotic Cr	rust	0	Vegetation Present? Yes ✓ No
Remarks:				

SOIL Sampling Point: 38a

Depth Matrix Redox Featu		12	T4-	Barranda
(inches) Color (moist) % Color (moist) %		Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-4 <u>7.5YR 2.5/2</u> <u>70 2.5YR 4/8</u> <u>3</u>	<u> </u>	<u>M</u>	<u>loam</u>	prominent mottles
Type: C=Concentration, D=Depletion, RM=Reduced Matrix. $^2$ Locat		e Lining, F		
lydric Soil Indicators: (Applicable to all LRRs, unless otherwise r	oted.)			for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Sandy Redox (S5)				Muck (A9) (LRR C)
Histic Epipedon (A2) Stripped Matrix (St				Muck (A10) (LRR B)
Black Histic (A3) Loamy Mucky Min			_	ced Vertic (F18)
Hydrogen Sulfide (A4) Loamy Gleyed Ma Stratified Layers (A5) (LRR C) Depleted Matrix (F			_	arent Material (TF2) (Explain in Remarks)
1 cm Muck (A9) (LRR D)			Outer	(Explain in Nemains)
Depleted Below Dark Surface (A11)  Depleted Dark Surface (A11)  Depleted Dark Surface (A11)	` '			
Thick Dark Surface (A12) Redox Depression				
Sandy Mucky Mineral (S1) Vernal Pools (F9)	, ,		<sup>3</sup> Indicators	of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)			wetland	hydrology must be present.
Restrictive Layer (if present):				
assured Edy or (in processing)				
Type:				
			Hydric Soil	Present? Yes <u>√</u> No
Type: Depth (inches): Remarks:			Hydric Soil	Present? Yes <u>√</u> No
Type: Depth (inches):  Remarks:  /ery cobbley  YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1) Salt Crust (B11)			<u>Seco</u> l	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> )
Type: Depth (inches):  Remarks:  /ery cobbley  YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1) Salt Crust (B11)  High Water Table (A2) Biotic Crust (B12)			<u>Seco</u> V S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> )
Type:	ates (B13)		Secon V S L	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10)
Type:	ates (B13) Odor (C1)		Secon	ndary Indicators (2 or more required)  Vater Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)
Type:	ates (B13) Odor (C1) heres along	-	Secon	ndary Indicators (2 or more required)  Vater Marks (B1) ( <b>Riverine</b> )  Sediment Deposits (B2) ( <b>Riverine</b> )  Orift Deposits (B3) ( <b>Riverine</b> )  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Thin Muck Surface (C7)
Type:	ates (B13) Odor (C1) heres along uced Iron (C4	1)	Secon	ndary Indicators (2 or more required)  Vater Marks (B1) ( <b>Riverine</b> )  Sediment Deposits (B2) ( <b>Riverine</b> )  Orift Deposits (B3) ( <b>Riverine</b> )  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)
Type:	ates (B13) Odor (C1) Theres along Uced Iron (C4 Inction in Plow	1)	Secon  V S C C C C C C(C3) T	ndary Indicators (2 or more required)  Vater Marks (B1) ( <b>Riverine</b> )  Sediment Deposits (B2) ( <b>Riverine</b> )  Orift Deposits (B3) ( <b>Riverine</b> )  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Thin Muck Surface (C7)  Orayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C
Type:	ates (B13) Odor (C1) Theres along Uced Iron (C4 Inction in Plow	1)	Secon  Secon  S  S  S  S  S  S  S  S  S  S  S  S  S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
Type:	ates (B13) Odor (C1) Theres along Uced Iron (C4 Inction in Plow	1)	Secon  Secon  S  S  S  S  S  S  S  S  S  S  S  S  S	ndary Indicators (2 or more required)  Vater Marks (B1) ( <b>Riverine</b> )  Sediment Deposits (B2) ( <b>Riverine</b> )  Orift Deposits (B3) ( <b>Riverine</b> )  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Thin Muck Surface (C7)  Orayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C
Type:	ates (B13) Odor (C1) Theres along Luced Iron (C4 Luction in Plow Remarks)	1) ved Soils (	Secon  Secon  S  S  S  S  S  S  S  S  S  S  S  S  S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
Type:	ates (B13) Odor (C1) Theres along Luced Iron (C4 Luction in Plow Remarks)	it) yed Soils (	Secon  Secon  S  S  S  S  S  S  S  S  S  S  S  S  S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
Type:	ates (B13) Odor (C1) wheres along uced Iron (C4 uction in Plow Remarks)	1) ved Soils (	Secon  V  S  C  V  C  C  C  C  C  C  C  C  C  C  C	ndary Indicators (2 or more required)  Vater Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Type:	ates (B13) Odor (C1) wheres along uced Iron (C4 uction in Plow Remarks)	1) ved Soils (	Secon  V  S  C  V  C  C  C  C  C  C  C  C  C  C  C	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
Type:	ates (B13) Odor (C1) wheres along uced Iron (C4 uction in Plow Remarks)	t) yed Soils (	Secon	ndary Indicators (2 or more required)  Vater Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Type:	ates (B13) Odor (C1) wheres along uced Iron (C4 uction in Plow Remarks)	t) yed Soils (	Secon	ndary Indicators (2 or more required)  Vater Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Type:	ates (B13) Odor (C1) wheres along uced Iron (C4 uction in Plow Remarks)	t) yed Soils (	Secon	ndary Indicators (2 or more required)  Vater Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Type:	ates (B13) Odor (C1) wheres along uced Iron (C4 uction in Plow Remarks)	t) yed Soils (	Secon	ndary Indicators (2 or more required)  Vater Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Type:	ates (B13) Odor (C1) wheres along uced Iron (C4 uction in Plow Remarks)	t) yed Soils (	Secon	ndary Indicators (2 or more required)  Vater Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)

WETLAND DETER	MINATIO	ON DATA	FORM -	– Arid West Region
Project/Site: Stonegate Property		City/County	: Chico/	Butte Sampling Date: 9/23/16
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u> Sampling Point: <u>39b</u>
Investigator(s): Meredith Branstad		Section, To	wnship, Ra	inge: <u>Sec 31&amp;32, Township 22North, Range</u> :
Landform (hillslope, terrace, etc.): hillslope				
Subregion (LRR): C				
Soil Map Unit Name: Wafap-Hamslough Complex, C				
Are climatic / hydrologic conditions on the site typical for this				
Are Vegetation, Soil, or Hydrology sig				
Are Vegetation, Soil, or Hydrology na				
SUMMARY OF FINDINGS – Attach site map s				
Account of the birds	noving		g pomit i	
Hydrophytic Vegetation Present? Yes <u>✓</u> No		Is th	e Sampled	d Area
Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No		with	in a Wetlar	nd? Yes No <u>√</u> _
Remarks:				
Remarks.				
VEGETATION				
	Absolute	Dominant	Indicator	Dominance Test worksheet:
		Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC:1 (A)
2				Total Number of Dominant
3				Species Across All Strata:1 (B)
4Total Cover:				Percent of Dominant Species
Sapling/Shrub Stratum				That Are OBL, FACW, or FAC:100 (A/E
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species x 1 =
4				FACW species x 2 =
5				FAC species x 3 =
Total Cover:	0			FACU species x 4 =
1. <u>Avena fatua</u>	15	Ν	UPL	UPL species x 5 =
Festuca perennis			FAC	Column Totals: (A) (B)
3. Elymus caput-medusae			UPL	Prevalence Index = B/A =
4. Hordeum marinum	4 =	N	FAC	Hydrophytic Vegetation Indicators:
5				✓ Dominance Test is >50%
6				Prevalence Index is ≤3.0 <sup>1</sup>
7				Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation (Explain)
Total Cover:	95_			
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2.				be present.
Total Cover:				Hydrophytic
% Bare Ground in Herb Stratum5 % Cover of			0	Vegetation Present? Yes ✓ No
	DI BIOLIC CI	usi		Fleseilt: 165 v NO
Remarks:				

SOIL Sampling Point: 39b

Profile Description: (I	Describe to the d	epth needed to docu	ment the i	indicator	or confirm	n the absence	of indicators.)
Depth	Matrix	Red	ox Feature	s			
<u>(inches)</u> Color (	moist) %	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks Remarks
<u>0-4</u> <u>7.5YR</u>	3.5/2 100	NONE				loam	
		_					
		_		·			
			_				
			_				
1T	- D-D1-ti D	M-Daduard Matrix	214:				
<sup>1</sup> Type: C=Concentratio					e Lining, R		for Problematic Hydric Soils <sup>3</sup> :
_	. (Applicable to a	•		eu.,			
Histosol (A1)	•	Sandy Red					Muck (A9) (LRR C)
Histic Epipedon (A2	2)	Stripped M	` '	1754)			Muck (A10) (LRR B)
Black Histic (A3)	0.4)	Loamy Mu					ed Vertic (F18)
Hydrogen Sulfide (/		Loamy Gle		(F2)			arent Material (TF2)
Stratified Layers (A		Depleted N		(E0)		Other	(Explain in Remarks)
1 cm Muck (A9) (LI		Redox Dar		` '			
Depleted Below Da	, ,	Depleted D		. ,			
Thick Dark Surface	, ,	Redox Dep	,	FO)		31	
Sandy Mucky Mine		Vernal Poo	as (F9)				of hydrophytic vegetation and I hydrology must be present.
Sandy Gleyed Matr Restrictive Layer (if pr						welland	mydrology must be present.
Type:							,
Depth (inches):						Hydric Soil	Present? Yes No✓
Remarks:							
Many cobbles.							
HYDROLOGY							
Wetland Hydrology In	dicators:					<u>Secor</u>	ndary Indicators (2 or more required)
Primary Indicators (any	one indicator is su	ıfficient)				V	Vater Marks (B1) (Riverine)
Surface Water (A1)	ı	Salt Crus	t (B11)			S	Sediment Deposits (B2) (Riverine)
High Water Table (		Biotic Cru					Prift Deposits (B3) (Riverine)
Saturation (A3)	· ·-/	Aquatic Ir		e (B13)			Orainage Patterns (B10)
	Namriusrina)						
Water Marks (B1) (		Hydroger			Lista a Bas		Pry-Season Water Table (C2)
Sediment Deposits		<del></del>		_	_	· · · · · · · · · · · · · · · · · · ·	hin Muck Surface (C7)
Drift Deposits (B3)		Presence					crayfish Burrows (C8)
Surface Soil Cracks		Recent In			ved Soils (		Saturation Visible on Aerial Imagery (C9)
Inundation Visible of	on Aerial Imagery	(B7) Other (Ex	plain in Re	emarks)		s	Shallow Aquitard (D3)
Water-Stained Leav	ves (B9)					F	AC-Neutral Test (D5)
Field Observations:							
Surface Water Present?	Yes	No Depth (ir	nches):				
Water Table Present?	Yes	No Depth (ir	nches):				
Saturation Present?		No Depth (ir				and Hydrolog	y Present? Yes No ✓
(includes capillary fringe		_ 110 Boptii (ii	101103)		_   '''	ana myarorog	, 11050iii. 105 110 <u></u>
Describe Recorded Dat	a (stream gauge, i	monitoring well, aerial	photos, pr	evious ins	pections),	if available:	
Remarks:							
	danuacalas	Na inalasalah	-l			سيمال	
	•	ivo incised dr	aınage	patter	ns in so	oii, but ex	pected to occur in storms
based on topog	ıraphy.						

WETLAND DETER	RMINATIO	ON DAT	A FORM	<ul> <li>Arid West Region</li> </ul>		
Project/Site: Stonegate Property	(	City/County	r: Chico/	Butte Samp	ling Date: <u>9/23/1</u>	6
Applicant/Owner: Epick Homes, Inc.						
Investigator(s): Meredith Branstad		Section, To	wnship, Ra	ange: Sec 31&32, Township	p 22North, Rar	nge 2E
Landform (hillslope, terrace, etc.): terrace						
Subregion (LRR): C	Lat: 39.	7164		Long: -121.7861	Datum: NAI	D 83
Soil Map Unit Name: Wafap-Hamslough Complex,						
Are climatic / hydrologic conditions on the site typical for this					-	
Are Vegetation, Soil, or Hydrology si	gnificantly	disturbed?	Are	"Normal Circumstances" present	? Yes ✓ No	
Are Vegetation, Soil, or Hydrology no				eeded, explain any answers in Re		
SUMMARY OF FINDINGS – Attach site map s	showing	samplin	a point l	ocations, transects, imp	ortant features	s. etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:  Yes No  No  Remarks:	)	Is th	ne Sampleo			
VEGETATION						
Tree Stratum (Use scientific names.) 1	Absolute % Cover	Species?		Dominance Test worksheet:  Number of Dominant Species That Are OBL, FACW, or FAC		(A)
2				Total Number of Dominant Species Across All Strata:	1	(B)
4				Percent of Dominant Species That Are OBL, FACW, or FAC	: 100	(A/B)
1				Prevalence Index worksheet		
2				Total % Cover of:		
3				OBL species		
4				FACW species		
5Total Cover:				FACU species		_
Herb Stratum				UPL species		_
Festuca perennis			FAC	Column Totals:		
2. Eryngium vaseyi			<u>FACW</u>	Danielana la dan DIA		
3. Elymus caput-medusae				Prevalence Index = B/A  Hydrophytic Vegetation India		_
4				✓ Dominance Test is >50%	cators.	
5				Prevalence Index is ≤3.0 <sup>1</sup>		
6				Morphological Adaptations		ing
8.				data in Remarks or on	a separate sheet)	
Total Cover:				Problematic Hydrophytic \	/egetation   (Explair	n)
Woody Vine Stratum				1		
1				<sup>1</sup> Indicators of hydric soil and w be present.	etland hydrology m	nust
2Total Cover:				Hydrophytic		
			0	Vegetation	No	
% Bare Ground in Herb Stratum0 % Cover	OI BIOLIC CI	นรเ		Present? Yes_V	No	
Remarks:						

SOIL Sampling Point: 40b

Depth (inches)	Color (moist)	%	Color (moist)	% Tv	rpe <sup>1</sup> Loc <sup>2</sup>	Texture	Remarks
					<u> </u>	Texture	Remarks
)-6	7.5YR 2.5/2	100	NONE			<del></del>	
						- <del> </del>	
						·	
Type: C=Co	oncentration, D=Dep	letion, RM:	=Reduced Matrix.	<sup>2</sup> Location: PL	.=Pore Lining, I	RC=Root Channe	el, M=Matrix.
	ndicators: (Applic				<u> </u>		or Problematic Hydric Soils <sup>3</sup> :
_ Histosol	(A1)		Sandy Red	ox (S5)		1 cm Mu	ick (A9) (LRR C)
_ _ Histic Ep	pipedon (A2)		Stripped M			2 cm Mu	uck (A10) (LRR B)
_ Black His	stic (A3)		Loamy Mud	ky Mineral (F1	)	Reduced	d Vertic (F18)
_ Hydroge	n Sulfide (A4)		Loamy Gle	yed Matrix (F2)	1	Red Par	ent Material (TF2)
_	Layers (A5) (LRR (	<b>C</b> )	Depleted N	` '		Other (E	Explain in Remarks)
	ck (A9) (LRR D)	(0.1.1)		k Surface (F6)	7		
	Below Dark Surfac	e (A11)		ark Surface (F7	7)		
_	ark Surface (A12)			ressions (F8)		3In diactors of	f hydraphytia vagatatian and
	lucky Mineral (S1) Bleyed Matrix (S4)		Vernal Poo	15 (19)			f hydrophytic vegetation and ydrology must be present.
	ayer (if present):					wettarium	ydrology mast be present.
estrictive I							
Туре:						Uvdria Cail D	bracent2 Vec No V
Type: Depth (inc			_			Hydric Soil P	Present? Yes No
Type: Depth (inc Remarks:	ches):					Hydric Soil P	Present? Yes No
Type: Depth (inc	ches):					Hydric Soil P	Present? Yes No
Type: Depth (inc Remarks:	ches):					Hydric Soil P	Present? Yes No
Type: Depth (inc Remarks:	ches):					Hydric Soil P	Present? Yes No <u>√</u>
Type: Depth (ind emarks: Many co	bbles.					Hydric Soil P	Present? Yes No ✓
Type: Depth (independent) emarks: //any co	bbles.						Present? Yes No
Type: Depth (included) Temarks:  Many co	bbles.  GY  drology Indicators:					Second	lary Indicators (2 or more required)
Type: Depth (indicemarks:  Many CO  /DROLOGIE // DROLOGIE //	bbles.  GY  drology Indicators: eators (any one indic		icient)	(B11)		Second	lary Indicators (2 or more required) tter Marks (B1) ( <b>Riverine</b> )
Type: Depth (indicemarks:  ## Any CO  ## CO  #	bbles.  GY  drology Indicators: eators (any one indic		icient) Salt Crust	* *		<u>Second</u> Wa Sec	lary Indicators (2 or more required) tter Marks (B1) ( <b>Riverine</b> ) diment Deposits (B2) ( <b>Riverine</b> )
Type: Depth (indicates: Any CO  TOROLO  Toronto Hydrox  Surface High Wa	bbles.  GY  drology Indicators: eators (any one indic Water (A1) ter Table (A2)		icient) Salt Crust Biotic Cru	st (B12)	13)	<u>Second</u> Wa Sec Drit	lary Indicators (2 or more required) iter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine)
Type: Depth (indicates)  Pany CO	bbles.  GY  drology Indicators: eators (any one indic Water (A1) ter Table (A2) on (A3)	ator is suff	icient) Salt Crust Biotic Cru Aquatic In	st (B12) vertebrates (B1		Second Wa Sec Drit Dray	lary Indicators (2 or more required)  Iter Marks (B1) ( <b>Riverine</b> )  Idiment Deposits (B2) ( <b>Riverine</b> )  If Deposits (B3) ( <b>Riverine</b> )  In ainage Patterns (B10)
Type: Depth (independent of the content of the	ches):	ator is suff	icient) Salt Crust Biotic Cru Aquatic In Hydrogen	st (B12) vertebrates (B1 Sulfide Odor (0	C1)	Second Wa Sec Drit Drat Dry	lary Indicators (2 or more required)  Iter Marks (B1) (Riverine)  Idiment Deposits (B2) (Riverine)  If Deposits (B3) (Riverine)  Inage Patterns (B10)  Inage Season Water Table (C2)
Type: Depth (indicemarks:  ### Any CO  ### CO  ##	bbles.  GY  drology Indicators: eators (any one indic Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveriat Deposits (B2) (Noriveriat Deposits (B2) (B2) (B2) (B2) (B2) (B2) (B2) (B2)	ator is suff ine) nriverine)	icient) Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I	st (B12) vertebrates (B1 Sulfide Odor (G Rhizospheres a	C1) Ilong Living Ro	Second  — Wa — Sec — Drit  ✓ Dra — Dry nots (C3) — Thi	lary Indicators (2 or more required)  Iter Marks (B1) ( <b>Riverine</b> )  diment Deposits (B2) ( <b>Riverine</b> )  If Deposits (B3) ( <b>Riverine</b> )  ainage Patterns (B10)  /-Season Water Table (C2)  n Muck Surface (C7)
Type: Depth (ind Remarks: Many CO  YDROLO  Yetland Hyd  Yrimary Indic  Surface  High Wa  Saturatic  Water M  Sedimen  Drift Dep	ches):	ator is suff ine) nriverine)	icient) Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I	st (B12) vertebrates (B1 Sulfide Odor (G Rhizospheres a of Reduced Iro	C1) Jong Living Ro On (C4)	Second  Wa Sec Drit  Drots Cra Cra	lary Indicators (2 or more required) hter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10)
Type: Depth (ind Remarks: Many CO  YDROLO  YDROLO  Yorimary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep	ches):	ator is suff ine) nriverine) ine)	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I	st (B12) vertebrates (B1 Sulfide Odor (CRhizospheres a of Reduced Iro on Reduction in	C1) Nong Living Ro On (C4) Plowed Soils	Second Wa Second Drit Drit Dry Dry Dry Thi Cra (C6)	lary Indicators (2 or more required)  Iter Marks (B1) (Riverine)  Idiment Deposits (B2) (Riverine)  If Deposits (B3) (Riverine)  In ange Patterns (B10)  Ir-Season Water Table (C2)  In Muck Surface (C7)  In Syfish Burrows (C8)  Ituration Visible on Aerial Imagery (C
Type: Depth (ind Remarks: Many CO  YDROLO  YDROLO  Yetland Hyd  Surface High Wa  Saturatic Water M  Sedimer  Drift Dep  Surface Inundation	ches):	ator is suff ine) nriverine) ine)	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I	st (B12) vertebrates (B1 Sulfide Odor (G Rhizospheres a of Reduced Iro	C1) Nong Living Ro On (C4) Plowed Soils	Second 	lary Indicators (2 or more required)  Iter Marks (B1) (Riverine)  Idiment Deposits (B2) (Riverine)  Idiment Deposits (B3) (Riverine)  Idimage Patterns (B10)  Idimage Patterns (B10)  Idimage Patterns (C2)  In Muck Surface (C7)  In Muck Surface (C7)  In Muck Surface (C8)  Idituration Visible on Aerial Imagery (Callow Aquitard (D3)
Type: Depth (ind Remarks: Many CO  YDROLO  YDROLO  Yetland Hyd Surface High Wa Saturatio Water M Sedimen Drift Dep Surface Inundatio Water-Si	bbles.  GY  drology Indicators: eators (any one indic Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Non posits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I	ator is suff ine) nriverine) ine)	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I	st (B12) vertebrates (B1 Sulfide Odor (CRhizospheres a of Reduced Iro on Reduction in	C1) Nong Living Ro On (C4) Plowed Soils	Second 	lary Indicators (2 or more required)  Iter Marks (B1) (Riverine)  Idiment Deposits (B2) (Riverine)  If Deposits (B3) (Riverine)  In ange Patterns (B10)  Ir-Season Water Table (C2)  In Muck Surface (C7)  In Syfish Burrows (C8)  Ituration Visible on Aerial Imagery (C
Type: Depth (incomercial contents)  YDROLOGY  YDROLOGY  YURIAND Hydromary Indicomercial contents  High Water Mander	ches):	ator is suff ine) nriverine) ine) magery (B	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized In Presence Recent Ind 7) Other (Ex	st (B12) vertebrates (B1 Sulfide Odor (GRhizospheres a of Reduced Iro on Reduction in plain in Remark	C1) Along Living Ro on (C4) Plowed Soils (S)	Second 	lary Indicators (2 or more required)  Iter Marks (B1) (Riverine)  Idiment Deposits (B2) (Riverine)  Idiment Deposits (B3) (Riverine)  Idimage Patterns (B10)  Idimage Patterns (B10)  Idimage Patterns (C2)  In Muck Surface (C7)  In Muck Surface (C7)  In Muck Surface (C8)  Idituration Visible on Aerial Imagery (Callow Aquitard (D3)
Type: Depth (ind Remarks: Many CO  YDROLO  YDROLO  Yetland Hyd Surface High Wa Saturatic Water M Sedimen Drift Dep Surface Inundatic Water-Si	ches):	ator is suff ine) nriverine) ine) magery (B	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Ird Other (Ex	st (B12) vertebrates (B1 Sulfide Odor (CRhizospheres a of Reduced Iro on Reduction in plain in Remark	C1) Ilong Living Ro on (C4) Plowed Soils	Second 	lary Indicators (2 or more required)  Iter Marks (B1) (Riverine)  Idiment Deposits (B2) (Riverine)  Idiment Deposits (B3) (Riverine)  Idimage Patterns (B10)  Idimage Patterns (B10)  Idimage Patterns (C2)  In Muck Surface (C7)  In Muck Surface (C7)  In Muck Surface (C8)  Idituration Visible on Aerial Imagery (Callow Aquitard (D3)
Type: Depth (ind Remarks: Many CO  YDROLO  YDROLO  Yetland Hyd Surface High Wa Saturatic Water M Sedimen Drift Dep Surface Inundatic Water-Si	ches):	ator is suff ine) nriverine) rine) magery (B	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized In Presence Recent Ind Other (Ex	st (B12) vertebrates (B1 Sulfide Odor (CRhizospheres a of Reduced Iro on Reduction in plain in Remark	C1) Islong Living Ro on (C4) Plowed Soils (S)	Second 	lary Indicators (2 or more required) hter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) /-Season Water Table (C2) n Muck Surface (C7) ayfish Burrows (C8) turation Visible on Aerial Imagery (C allow Aquitard (D3) C-Neutral Test (D5)
Type: Depth (ind Remarks: Many CO  YDROLO  YDROLO  Yetland Hyd  Surface High Wa Saturatio Water M Sedimen Drift Dep Surface Inundatio Water-Si Gield Observious	bbles.  GY  drology Indicators: eators (any one indic Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Non posits (B3) (Nonriver boosits (B3) (Nonriver) boosits (B3) (Nonriver boosits (B3) (Nonriver) boosits (B3) (No	ator is suff ine) nriverine) rine) magery (B	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Ird Other (Ex	st (B12) vertebrates (B1 Sulfide Odor (CRhizospheres a of Reduced Iro on Reduction in plain in Remark	C1) Islong Living Ro on (C4) Plowed Soils (S)	Second 	lary Indicators (2 or more required)  Iter Marks (B1) (Riverine)  Idiment Deposits (B2) (Riverine)  Idiment Deposits (B3) (Riverine)  Idimage Patterns (B10)  Idimage Patterns (B10)  Idimage Patterns (C2)  In Muck Surface (C7)  In Muck Surface (C7)  In Muck Surface (C8)  Idituration Visible on Aerial Imagery (Callow Aquitard (D3)
Type:	ches):	ator is suff ine) nriverine) magery (B es es	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized Presence Recent Ird Other (Ex	st (B12) vertebrates (B1 Sulfide Odor (CRhizospheres a of Reduced Iro on Reduction in plain in Remark uches):	C1) Islong Living Roon (C4) Plowed Soils (S)  Wet	Second  Wa Second  Drit  Propriots (C3) Thi  Cra (C6) ✓ Sat  FAc	lary Indicators (2 or more required) hter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) /-Season Water Table (C2) n Muck Surface (C7) ayfish Burrows (C8) turation Visible on Aerial Imagery (C allow Aquitard (D3) C-Neutral Test (D5)
Type: Depth (income and income and inco	bbles.  GY  drology Indicators: eators (any one indic Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Non posits (B3) (Nonriver boosits (B3) (Nonriver) boosits (B3) (Nonriver boosits (B3) (Nonriver) boosits (B3) (No	ator is suff ine) nriverine) magery (B es es	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized Presence Recent Ird Other (Ex	st (B12) vertebrates (B1 Sulfide Odor (CRhizospheres a of Reduced Iro on Reduction in plain in Remark uches):	C1) Islong Living Roon (C4) Plowed Soils (S)  Wet	Second  Wa Second  Drit  Propriots (C3) Thi  Cra (C6) ✓ Sat  FAc	lary Indicators (2 or more required) hter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) /-Season Water Table (C2) n Muck Surface (C7) ayfish Burrows (C8) turation Visible on Aerial Imagery (C allow Aquitard (D3) C-Neutral Test (D5)
Type:	ches):	ator is suff ine) nriverine) magery (B es es	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized Presence Recent Ird Other (Ex	st (B12) vertebrates (B1 Sulfide Odor (CRhizospheres a of Reduced Iro on Reduction in plain in Remark uches):	C1) Islong Living Roon (C4) Plowed Soils (S)  Wet	Second  Wa Second  Drit  Propriots (C3) Thi  Cra (C6) ✓ Sat  FAc	lary Indicators (2 or more required) hter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) /-Season Water Table (C2) n Muck Surface (C7) ayfish Burrows (C8) turation Visible on Aerial Imagery (C allow Aquitard (D3) C-Neutral Test (D5)
Type:	ches):	ator is suff  ine) nriverine) magery (B  es es gauge, mo	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Ird Other (Ex  No Depth (in No Depth (in No Depth (in onitoring well, aerial	st (B12) vertebrates (B1 Sulfide Odor (CRhizospheres a of Reduced Iro on Reduction in plain in Remark uches): uches): photos, previou	C1) Islong Living Roon (C4) Plowed Soils (S)  Wet	Second  Wa Second  Drit  ✓ Dra  Dry  ots (C3) — Thi  Cra  (C6) ✓ Sat  FAc	lary Indicators (2 or more required) Inter Marks (B1) (Riverine) Idiment Deposits (B2) (Riverine) Idiment Deposits (B3) (Riverine) Idimage Patterns (B10) Idimage Patterns (B10) Idimage Patterns (C2) In Muck Surface (C7) Idiayfish Burrows (C8) Idituration Visible on Aerial Imagery (Callow Aquitard (D3) Idiayfish C-Neutral Test (D5)  Present? Yes Ver No
Type:	ches):	ator is suff  ine) nriverine) magery (B  es es gauge, mo	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Ird Other (Ex  No Depth (in No Depth (in No Depth (in onitoring well, aerial	st (B12) vertebrates (B1 Sulfide Odor (CRhizospheres a of Reduced Iro on Reduction in plain in Remark uches): uches): photos, previou	C1) Islong Living Roon (C4) Plowed Soils (S)  Wet	Second  Wa Second  Drit  ✓ Dra  Dry  ots (C3) — Thi  Cra  (C6) ✓ Sat  FAc	lary Indicators (2 or more required) hter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) /-Season Water Table (C2) n Muck Surface (C7) ayfish Burrows (C8) turation Visible on Aerial Imagery (C allow Aquitard (D3) C-Neutral Test (D5)

WEILAND DEIE	ERIVIINA I I	JN DA IA	FURIVI	– Aria West Regio	n
Project/Site: Stonegate Property	(	City/County	: Chico/	Butte	Sampling Date: <u>9/23/16</u>
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u>	Sampling Point: 41b
Investigator(s): Meredith Branstad		Section, To	wnship, Ra	inge: <u>Sec 31&amp;32, T</u>	ownship 22North, Range 2
Landform (hillslope, terrace, etc.): terrace		Local relief	(concave,	convex, none): CONCA	ve Slope (%): 1
Subregion (LRR): C	Lat: <u>39.</u>	7170		_ Long: <u>-121.7856</u>	Datum: <u>NAD 83</u>
Soil Map Unit Name: Wafap-Hamslough Complex					
Are climatic / hydrologic conditions on the site typical for the					
Are Vegetation, Soil, or Hydrology					
Are Vegetation, Soil, or Hydrology					
SUMMARY OF FINDINGS – Attach site map					
Solvinian of Findings - Attach site map	Silowing	Sampiiii	g politi	ocations, transec	is, important reatures, etc
Hydrophytic Vegetation Present? Yes <u>√</u>		ls th	e Sampleo	d Area	
Hydric Soil Present? Yes	No <u> </u>		in a Wetla		No <u></u>
Wetland Hydrology Present? Yes✓	No				
Remarks.					
VEGETATION					
Tree Stratum (Use scientific names.)		Dominant Species?		Dominance Test wo	
1				Number of Dominant That Are OBL, FACW	Species /, or FAC:1(A)
2.					
3				Total Number of Dom Species Across All St	
4				Percent of Dominant	Species
Total Covi Sapling/Shrub Stratum	er:0			That Are OBL, FACW	/, or FAC:100 (A/B)
1				Prevalence Index w	orksheet:
2.				Total % Cover of	f: Multiply by:
3.				OBL species	x 1 =
4				FACW species	x 2 =
5					x 3 =
Total Covi	er: <u>       0                             </u>				x 4 =
Festuca perennis	100	Υ	FAC		x 5 =
2				Column Totals:	(A) (B)
3.				Prevalence Inde	ex = B/A =
4.				Hydrophytic Vegeta	
5				✓ Dominance Test	
6				Prevalence Index	
7				data in Rema	daptations <sup>1</sup> (Provide supporting rks or on a separate sheet)
8			-	Problematic Hyd	rophytic Vegetation¹ (Explain)
Woody Vine Stratum	er: <u>100</u>				
1					soil and wetland hydrology must
2				be present.	
Total Cove	er: <u>      0                              </u>			Hydrophytic Vegetation	
% Bare Ground in Herb Stratum0 % Cov	er of Biotic Ci	rust	0	Present?	/es <u> </u>
Remarks:					

SOIL Sampling Point: 41b

Depth Matrix Redox Features	. 2		
(inches) Color (moist) % Color (moist) % Type	Loc <sup>2</sup>	Texture	Remarks
0-5 <u>7.5YR 2.5/2</u> <u>98</u> <u>2YR 4/6</u> <u>2</u> <u>C</u>	<u>M</u>	<u>Clayloam</u>	prominent mottles
Type: C=Concentration, D=Depletion, RM=Reduced Matrix. <sup>2</sup> Location: PL=F	ore Lining, F	RC=Root Chan	nel, M=Matrix.
lydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)			for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Sandy Redox (S5)		1 cm N	Muck (A9) (LRR C)
Histic Epipedon (A2) Stripped Matrix (S6)		2 cm M	Muck (A10) ( <b>LRR B</b> )
Black Histic (A3) Loamy Mucky Mineral (F1)		Reduc	ed Vertic (F18)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)			arent Material (TF2)
Stratified Layers (A5) (LRR C) Depleted Matrix (F3)		Other	(Explain in Remarks)
1 cm Muck (A9) (LRR D) Redox Dark Surface (F6)			
Depleted Below Dark Surface (A11)			
Thick Dark Surface (A12) Redox Depressions (F8)  Sandy Mucky Mineral (S1) Vernal Pools (F9)		3In dicators	of hydrophytic vegetation and
Sandy Milety Militial (61)  Sandy Gleyed Matrix (S4)			hydrology must be present.
Restrictive Layer (if present):		Total To	myarology mast so prosont.
Type:			
1,750.			
Depth (inches):		Hydric Soil	Present? Ves No √
		Hydric Soil	Present? Yes No
Remarks: Redox only on one small pedon.  YDROLOGY Wetland Hydrology Indicators:		Seco	ndary Indicators (2 or more required)
Remarks: Redox only on one small pedon.  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)		<u>Secoi</u> V	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> )
Remarks: Redox only on one small pedon.  YDROLOGY  Wetland Hydrology Indicators: Primary Indicators (any one indicator is sufficient)  Surface Water (A1) Salt Crust (B11)		<u>Secoi</u> V S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) sediment Deposits (B2) ( <b>Riverine</b> )
Remarks: Redox only on one small pedon.  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1) Salt Crust (B11)  High Water Table (A2) Biotic Crust (B12)		<u>Secoi</u> V S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) sediment Deposits (B2) ( <b>Riverine</b> ) vift Deposits (B3) ( <b>Riverine</b> )
Remarks: Redox only on one small pedon.  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1) High Water Table (A2) Saturation (A3) Aquatic Invertebrates (B13)		Secon V S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) sediment Deposits (B2) ( <b>Riverine</b> ) vift Deposits (B3) ( <b>Riverine</b> ) varinage Patterns (B10)
Remarks: Redox only on one small pedon.  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)  Hydrogen Sulfide Odor (C1)	ı	<u>Seco</u> V S C C	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2)
Remarks: Redox only on one small pedon.  YDROLOGY  Wetland Hydrology Indicators: Primary Indicators (any one indicator is sufficient)  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres alor	ı ıg Living Roc	Secon	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Originage Patterns (B10) Ory-Season Water Table (C2) Whin Muck Surface (C7)
Remarks: Redox only on one small pedon.  YDROLOGY  Vetland Hydrology Indicators: Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Presence of Reduced Iron (A3)	ig Living Roc C4)	Secon  V  S  V  C  V  Dots (C3)  T  C	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Rediment Deposits (B2) (Riverine) Prift Deposits (B3) (Riverine) Prainage Patterns (B10) Pry-Season Water Table (C2) In Muck Surface (C7) Prayfish Burrows (C8)
Remarks: Redox only on one small pedon.  YDROLOGY  Wetland Hydrology Indicators: Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Sufface Soil Cracks (B6)  Recent Iron Reduction in Pl	ig Living Roc C4)	Secon	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Shin Muck Surface (C7) Crayfish Burrows (C8) Seaturation Visible on Aerial Imagery (C8)
Remarks:  Redox only on one small pedon.  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Other (Explain in Remarks)	ig Living Roc C4)	Secor — V — S — C ✓ C — C — C — C — C — C — S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Shin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Schallow Aquitard (D3)
Remarks: Redox only on one small pedon.  YDROLOGY  Wetland Hydrology Indicators: Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water Stained Leaves (B9)	ig Living Roc C4)	Secor — V — S — C ✓ C — C — C — C — C — C — S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Shin Muck Surface (C7) Crayfish Burrows (C8) Seaturation Visible on Aerial Imagery (C8)
Remarks: Redox only on one small pedon.  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:	ng Living Roo C4) owed Soils (	Secor — V — S — C ✓ C — C — C — C — C — C — S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Shin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Schallow Aquitard (D3)
Remarks:  Redox only on one small pedon.  PDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water Stained Leaves (B9)  Field Observations:  Surface Water Present?  Yes  No  Depth (inches):	ng Living Roo C4) owed Soils (	Secor — V — S — C ✓ C — C — C — C — C — C — S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Shin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Schallow Aquitard (D3)
Remarks:  Redox only on one small pedon.  Pydrology  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Drift Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Recent Iron Reduction in Plent Inundation Visible on Aerial Imagery (B7)  Water Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes  No  Depth (inches):  Water Table Present?  Yes  No  Depth (inches):	g Living Roo C4) owed Soils (	Secon  V  S  C  V  C  C  C  C  C  C  C  C  C  C  C	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Water Marks (B3) (Riverine) Water Deposits (B3) (Riverine) Water Deposits (B3) (Riverine) Water Season Water Table (C2) Water Marks (C7) Water Surface (C7) Water Surface (C8) Water Surface (C8) Water Surface (C8) Water Surface (C9)
Remarks:  Redox only on one small pedon.  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Drift Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes  No  Depth (inches):  Saturation Present?  Yes  No  Depth (inches):	g Living Roo C4) owed Soils (	Secon  V  S  C  V  C  C  C  C  C  C  C  C  C  C  C	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Shin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Schallow Aquitard (D3)
Remarks:  Redox only on one small pedon.  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water Stained Leaves (B9)  Field Observations:  Surface Water Present?  Yes  No  Depth (inches):  Water Table Present?  Yes  No  Depth (inches):	g Living Roo C4) owed Soils (	Secon	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Bediment Deposits (B2) (Riverine) Brainage Patterns (B10) Bry-Season Water Table (C2) In Muck Surface (C7) Brayfish Burrows (C8) Braturation Visible on Aerial Imagery (CS) Brailow Aquitard (D3) AC-Neutral Test (D5)
Remarks:  Redox only on one small pedon.  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water Stained Leaves (B9)  Field Observations:  Surface Water Present?  Yes  No  Depth (inches):  Saturation Present?  Yes  No  Depth (inches):	g Living Roo C4) owed Soils (	Secon	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Bediment Deposits (B2) (Riverine) Brainage Patterns (B10) Bry-Season Water Table (C2) In Muck Surface (C7) Brayfish Burrows (C8) Braturation Visible on Aerial Imagery (CS) Brailow Aquitard (D3) AC-Neutral Test (D5)
Remarks:  Redox only on one small pedon.  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Sincludes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous incompany captures.	g Living Roo C4) owed Soils (	Secon	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Bediment Deposits (B2) (Riverine) Brainage Patterns (B10) Bry-Season Water Table (C2) In Muck Surface (C7) Brayfish Burrows (C8) Braturation Visible on Aerial Imagery (CS) Brailow Aquitard (D3) AC-Neutral Test (D5)
Remarks:  Redox only on one small pedon.  Pydrology  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes  No  Depth (inches):  Saturation Present?  Yes  No  Depth (inches):  No	g Living Roc C4) owed Soils (	Secon	Indary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Bediment Deposits (B2) (Riverine)  Brainage Patterns (B10)  Bry-Season Water Table (C2)  In Muck Surface (C7)  Brayfish Burrows (C8)  Braturation Visible on Aerial Imagery (CS)  Braillow Aquitard (D3)  AC-Neutral Test (D5)   y Present? Yes   No
Redox only on one small pedon.  PyDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water Table Present?  Water Table Present?  Yes  No  Depth (inches):  Surface Water Present?  Yes  No  Depth (inches):  Saturation Present?  Yes  No  Depth (inches):  No  Saturation Present?  Yes  No  Depth (inches):  No  Saturation Present?  Yes  No  Saturation Present?  Y	g Living Roc C4) owed Soils (	Secon	Indary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Bediment Deposits (B2) (Riverine)  Brainage Patterns (B10)  Bry-Season Water Table (C2)  In Muck Surface (C7)  Brayfish Burrows (C8)  Braturation Visible on Aerial Imagery (CS)  Braillow Aquitard (D3)  AC-Neutral Test (D5)   y Present? Yes ✓ No
Redox only on one small pedon.  YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water Table Present?  Water Table Present?  Yes  No  Depth (inches):  Surface Water Present?  Yes  No  Depth (inches):  Saturation Present?  Yes  Saturation Present?  Yes  Saturatio	g Living Roc C4) owed Soils (	Secon	Indary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Bediment Deposits (B2) (Riverine)  Brainage Patterns (B10)  Bry-Season Water Table (C2)  In Muck Surface (C7)  Brayfish Burrows (C8)  Braturation Visible on Aerial Imagery (C8)  Braillow Aquitard (D3)  AC-Neutral Test (D5)   y Present? Yes ✓ No

WETLAND DETER	MINATIO	ON DAT	FORM	– Arid West Region		
Project/Site: Stonegate Property	(	City/County	: Chico/	Butte Sam	pling Date: <u>9/23/1</u>	6
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u> Sam	pling Point: 42a	
Investigator(s): Meredith Branstad		Section, To	wnship, Ra	inge: Sec 31&32, Townsh	nip 22North, Rar	nge 2E
Landform (hillslope, terrace, etc.): terrace						
Subregion (LRR): C						
Soil Map Unit Name: Wafap-Hamslough Complex,						
Are climatic / hydrologic conditions on the site typical for this						
Are Vegetation, Soil, or Hydrology si						,
Are Vegetation, Soil, or Hydrology na				eeded, explain any answers in F		,
SUMMARY OF FINDINGS – Attach site map s	nowing	sampiin	g point i	ocations, transects, imp	portant reatures	s, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:  Yes   ✓ No  No  No  No  No  No  No  No  No  No			ie Sampled in a Wetlai	d Area nd? Yes <u>√</u>	No	
VEGETATION	Absolute	Dominant	Indicator	Dominance Teet worksheet		
Tree Stratum (Use scientific names.) 1	% Cover	Dominant Species?	Status	Dominance Test worksheef  Number of Dominant Species That Are OBL, FACW, or FA	S	(A)
2. 3.				Total Number of Dominant Species Across All Strata:	1	
4Total Cover:				Percent of Dominant Species		
Sapling/Shrub Stratum				That Are OBL, FACW, or FA	D: <u>100</u>	(A/B)
1				Prevalence Index workshee	et:	
2				Total % Cover of:		
3				OBL species		
4				FACW species		
5				FACUL encoine		-
Total Cover:				FACU species		-
1. Festuca perennis	90	Y	FAC	Column Totals:		
2. Avena fatua	3	N	UPL	ordinii rotalo.		_ (0)
3. Triteleia hyacinthina	2	N	FAC	Prevalence Index = B/A		_
4				Hydrophytic Vegetation Inc		
5				✓ Dominance Test is >50%		
6				Prevalence Index is ≤3.0		
7				Morphological Adaptation data in Remarks or or	ns (Provide support n a separate sheet)	ing
8				Problematic Hydrophytic	Vegetation1 (Explain	n)
Total Cover:	95					
1				Indicators of hydric soil and	wetland hydrology m	nust
2				be present.		
Total Cover:	0			Hydrophytic Vegetation		
% Bare Ground in Herb Stratum	of Biotic Cr	rust	0	Present? Yes _ ✓	No	
Remarks:						

SOIL Sampling Point: 42a

Depth (inches)	Matrix Color (moist)	%	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-4								
<del>U-4</del>	7.51K 2.5/Z						- <del>-</del>	prominent mottles
			soft masses		<u>C</u>	_ <u>IVI</u>		
								-
1	·		-					
	Concentration, D=Deple					ore Lining, F		nel, M=Matrix.  for Problematic Hydric Soils <sup>3</sup> :
	Indicators: (Applica	DIE LO AII			:u.)			
Histoso	pipedon (A2)		Sandy Red Stripped M					Muck (A9) ( <b>LRR C</b> ) Muck (A10) ( <b>LRR B</b> )
Black H			Loamy Mu		(F1)			ed Vertic (F18)
	en Sulfide (A4)		Loamy Gle				<del></del>	arent Material (TF2)
	d Layers (A5) (LRR C	)	Depleted M				Other	(Explain in Remarks)
1 cm M	uck (A9) ( <b>LRR D</b> )		✓ Redox Dar	k Surface (	,			
	d Below Dark Surface	(A11)	Depleted D		` ′			
	ark Surface (A12)		Redox Dep		-8)		2	
	Mucky Mineral (S1)		Vernal Poo	ls (F9)				of hydrophytic vegetation and
	Gleyed Matrix (S4)  Layer (if present):						wetiand	hydrology must be present.
	Layer (II present).							
rype.								
							Hudria Cail	Dracent2 Vec / No
Depth (in	iches):						Hydric Soil	Present? Yes No
	iches):						Hydric Soil	Present? Yes <u>√</u> No
Depth (ir Remarks: Very co	bbley						Hydric Soil	Present? Yes <u>√</u> No
Depth (in Remarks: Very co	bbley							
Depth (in Remarks: Very co	bbley							Present? Yes ✓ No
Depth (in Remarks: Very co	bbley						Secon	
Depth (in Remarks: Very co	bbley  OGY  rdrology Indicators: cators (any one indicators) Water (A1)		icient) Salt Crust				<u>Secor</u> W S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) sediment Deposits (B2) ( <b>Riverine</b> )
Depth (ir Remarks: Very co IYDROLO Wetland Hy Primary Indi Surface High W	bbley  OGY  rdrology Indicators: cators (any one indicate) Water (A1) ater Table (A2)		icient) Salt Crust Biotic Cru	st (B12)			<u>Secor</u> W S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Judicediment Deposits (B2) ( <b>Riverine</b> ) Judicediment Deposits (B3) ( <b>Riverine</b> )
Depth (in Remarks: Very CO  IYDROLO  Wetland Hy Primary Indi Surface High W Saturati	bbley  OGY  rdrology Indicators: leators (any one indicate) Water (A1) ater Table (A2) ion (A3)	tor is suffi	icient) Salt Crust Biotic Cru Aquatic In	st (B12) vertebrate			Secor	ndary Indicators (2 or more required)  Vater Marks (B1) ( <b>Riverine</b> )  Sediment Deposits (B2) ( <b>Riverine</b> )  Prainage Patterns (B10)
Depth (in Remarks: Very CO  IYDROLO  Wetland Hy Primary Indi Surface High W Saturati Water M	bbley  ogy  rdrology Indicators: cators (any one indicate) Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonriveria	tor is suffi	icient) Salt Crust Biotic Cru Aquatic In Hydrogen	st (B12) vertebrate Sulfide Oc	lor (C1)		Secor	ndary Indicators (2 or more required)  Vater Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)
Depth (in Remarks: Very CO  IYDROLO  Wetland Hy Primary Indi Surface High W Saturati Water M Sedime	bbley  drology Indicators: cators (any one indicated (A1)) ater Table (A2) ion (A3) Marks (B1) (Nonriveriant Deposits (B2) (Nonriveriant Depos	tor is suffi ne) riverine)	icient) Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized	st (B12) vertebrate Sulfide Od Rhizosphei	lor (C1) es along	_	Secor W S D D D ots (C3) T	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Originage Patterns (B10) Ory-Season Water Table (C2) Whin Muck Surface (C7)
Depth (in Remarks: Very CO  IYDROLO  Wetland Hy Primary Indi Surface High W Saturati Water M Sedime Drift De	bbley  ogy  rdrology Indicators: cators (any one indicators) water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonriveriant Deposits (B2) (Nonriveriant Deposits (B3) (Nonri	tor is suffi ne) riverine)	icient) Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized	st (B12) vertebrate Sulfide Od Rhizospher of Reduce	lor (C1) es along d Iron (C	24)		ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Rediment Deposits (B2) (Riverine) Prift Deposits (B3) (Riverine) Prainage Patterns (B10) Pry-Season Water Table (C2) Whin Muck Surface (C7) Prayfish Burrows (C8)
Depth (in Remarks: Very CO  IYDROLO  Wetland Hy Primary Indi Surface High W Saturati Water M Sedime Drift De Surface	bbley  ogy  drology Indicators: cators (any one indicators (any one indicators) water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonriverial (A2) ion (A3) Marks (B3) (Nonriverial (A3) posits (B3) (Nonriverial (A3) Soil Cracks (B6)	tor is suffi ne) riverine) ine)	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I	st (B12) vertebrates Sulfide Oc Rhizosphel of Reduce on Reduction	lor (C1) es along d Iron (C on in Plo	24)	Secor	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Stediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) In Muck Surface (C7) Orayfish Burrows (C8) Staturation Visible on Aerial Imagery (C9)
Depth (ir Remarks: Very CO  IYDROLO  Wetland Hy Primary Indi Surface High W Saturati Water M Sedime Drift De Surface Inundat	bbley  order  or	tor is suffi ne) riverine) ine)	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I	st (B12) vertebrates Sulfide Oc Rhizosphel of Reduce on Reduction	lor (C1) es along d Iron (C on in Plo	24)	Secor	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Vater Marks (B3) ( <b>Riverine</b> ) Varift Deposits (B3) ( <b>Riverine</b> ) Varinage Patterns (B10) Vary-Season Water Table (C2) Varinant Muck Surface (C7) Varyfish Burrows (C8) Variation Visible on Aerial Imagery (C9) Variation Variated (C3)
Depth (in Remarks: Very CO  IYDROLO  Wetland Hy Primary Indi Surface High W Saturati Water M Sedime Drift De Surface Inundat Water-S	bbley  ordrology Indicators: cators (any one indicater (A1) ater Table (A2) ion (A3) Marks (B1) (Nonriveriate (B2) (Nonriveriate (B3)) posits (B3) (Nonriveriate (B3)) Stained Leaves (B9)	tor is suffi ne) riverine) ine)	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I	st (B12) vertebrates Sulfide Oc Rhizosphel of Reduce on Reduction	lor (C1) es along d Iron (C on in Plo	24)	Secor	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Stediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) In Muck Surface (C7) Orayfish Burrows (C8) Staturation Visible on Aerial Imagery (C9)
Depth (in Remarks: Very CO  IYDROLC  Wetland Hy Primary Indi — Surface — High W — Saturati — Water M — Sedime — Drift De — Surface — Inundat  ✓ Water-S Field Observing	bbley  drology Indicators: cators (any one indicated to the cator) ater Table (A2) ion (A3) Marks (B1) (Nonriveriant Deposits (B2) (Nonriveriant Deposits (B3) (Nonriveriant Deposits (B6) ion Visible on Aerial Instained Leaves (B9) rvations:	ne) riverine) ne) nagery (B	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized In Presence Recent Ind 7) Other (Ex	st (B12) Vertebrate Sulfide Oc Rhizospher of Reduce on Reduction	lor (C1) es along d Iron (C on in Plo marks)	c4) wed Soils (	Secor	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Vater Marks (B3) ( <b>Riverine</b> ) Varift Deposits (B3) ( <b>Riverine</b> ) Varinage Patterns (B10) Vary-Season Water Table (C2) Varinant Muck Surface (C7) Varyfish Burrows (C8) Variation Visible on Aerial Imagery (C9) Variation Variated (C3)
Depth (in Remarks: Very CO  IYDROLO  Wetland Hy Primary Indi Surface High W Saturati Water M Sedime Drift De Surface Inundat V Water-S Field Obsel	bbley  drology Indicators: cators (any one indicated water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrivering the Deposits (B2) (Nonrivering the Soil Cracks (B6) ion Visible on Aerial Instained Leaves (B9) rvations: ter Present?	ne) riverine) ine) nagery (B	icient)  Salt Crust Biotic Cru Aquatic In Oxidized In Presence Recent Ind 7) Other (Ex	st (B12) vertebrate: Sulfide Oc Rhizosphel of Reduce on Reduction plain in Re	lor (C1) res along d Iron (C on in Plo marks)	c4) wed Soils (	Secor	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Vater Marks (B3) ( <b>Riverine</b> ) Varift Deposits (B3) ( <b>Riverine</b> ) Varinage Patterns (B10) Vary-Season Water Table (C2) Varinant Muck Surface (C7) Varyfish Burrows (C8) Variation Visible on Aerial Imagery (C9) Variation Variated (C3)
Depth (in Remarks: Very CO  IYDROLO  Wetland Hy Primary Indi Surface High W Saturati Water M Sedime Drift De Surface Inundat V Water-S Field Obser Surface Wa	bbley  drology Indicators: cators (any one indicated Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrivering the Deposits (B2) (Nonrivering the Soil Cracks (B6) ion Visible on Aerial Instained Leaves (B9) rvations: ter Present?  Present?	ne) riverine) ine) nagery (B	Salt Crust Salt Crust Siotic Cru Aquatic In Hydrogen Oxidized Presence Recent Ird Other (Ex	st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re	lor (C1) res along d Iron (C on in Plo marks)	C4) wed Soils (	Secor  — W — S — D ✓ D — D ots (C3) — T — C (C6) ✓ S — F	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Water Marks (B3) (Riverine) Water Deposits (B3) (Riverine) Water Teleposits (B3) (Riverine) Water Table (C2) Water Table (C2) Water Table (C2) Water Table (C3) Water Table (C4) Water Table (C5)
Depth (in Remarks: Very CO  IYDROLO  Wetland Hy Primary Indi Surface High W Saturati Water M Sedime Drift De Surface Inundat Water-S Field Obset Surface Water Table Saturation F	bbley  ogy  drology Indicators: cators (any one indicators) water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonriveriant Deposits (B2) (Nonriveriant Deposits (B3) (Nonriv	ne) riverine) ine) nagery (B	Salt Crust Salt Crust Siotic Cru Aquatic In Hydrogen Oxidized Presence Recent Ird Other (Ex	st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re	lor (C1) res along d Iron (C on in Plo marks)	C4) wed Soils (	Secor  — W — S — D ✓ D — D ots (C3) — T — C (C6) ✓ S — F	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Vater Marks (B3) ( <b>Riverine</b> ) Varift Deposits (B3) ( <b>Riverine</b> ) Varinage Patterns (B10) Vary-Season Water Table (C2) Varinant Muck Surface (C7) Varyfish Burrows (C8) Variation Visible on Aerial Imagery (C9) Variation Variated (C3)
Depth (in Remarks: Very CO  IYDROLO  Wetland Hy Primary Indi Surface High W Saturati Water M Sedime Drift De Surface Inundat V Water-S Field Obsel Surface Wa Water Table Saturation F (includes ca	bbley  drology Indicators: cators (any one indicated water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrivering the Deposits (B2) (Nonrivering the Soil Cracks (B6) ion Visible on Aerial Instained Leaves (B9) rvations: ter Present? Present? Present? Year	ne) riverine) ine) nagery (B	Salt Crust Salt Crust Siotic Cru Aquatic In Hydrogen Oxidized Presence Recent Ird Other (Ex  No Depth (in No Depth (in	st (B12) Novertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re aches): aches):	lor (C1) res along d Iron (C on in Plo marks)	Wetl	Secor 	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Water Marks (B3) (Riverine) Water Deposits (B3) (Riverine) Water Teleposits (B3) (Riverine) Water Table (C2) Water Table (C2) Water Table (C2) Water Table (C3) Water Table (C4) Water Table (C5)
Depth (in Remarks: Very CO  IYDROLO  Wetland Hy Primary Indi Surface High W Saturati Water M Sedime Drift De Surface Inundat V Water-S Field Obsel Surface Wa Water Table Saturation F (includes ca	bbley  ogy  drology Indicators: cators (any one indicators) water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonriveriant Deposits (B2) (Nonriveriant Deposits (B3) (Nonriv	ne) riverine) ine) nagery (B	Salt Crust Salt Crust Siotic Cru Aquatic In Hydrogen Oxidized Presence Recent Ird Other (Ex  No Depth (in No Depth (in	st (B12) Novertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re aches): aches):	lor (C1) res along d Iron (C on in Plo marks)	Wetl	Secor 	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Water Marks (B3) (Riverine) Water Deposits (B3) (Riverine) Water Teleposits (B3) (Riverine) Water Table (C2) Water Table (C2) Water Table (C2) Water Table (C3) Water Table (C4) Water Table (C5)
Depth (in Remarks: Very CO  IYDROLC  Wetland Hy Primary Indi — Surface — High W — Saturati — Water M — Sedime — Drift De — Surface — Inundat — Water-S Field Obset Surface Wa Water Table Saturation F (includes ca Describe Re	bbley  drology Indicators: cators (any one indicated water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrivering the Deposits (B2) (Nonrivering the Soil Cracks (B6) ion Visible on Aerial Instained Leaves (B9) rvations: ter Present? Present? Present? Year	ne) riverine) ine) nagery (B	Salt Crust Salt Crust Siotic Cru Aquatic In Hydrogen Oxidized Presence Recent Ird Other (Ex  No Depth (in No Depth (in	st (B12) Novertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re aches): aches):	lor (C1) res along d Iron (C on in Plo marks)	Wetl	Secor 	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Water Marks (B3) (Riverine) Water Deposits (B3) (Riverine) Water Teleposits (B3) (Riverine) Water Table (C2) Water Table (C2) Water Table (C2) Water Table (C3) Water Table (C4) Water Table (C5)
Depth (in Remarks: Very CO  IYDROLC  Wetland Hy Primary Indi Surface High W Saturati Water N Sedime Drift De Surface Inundat V Water-S Field Obsel Surface Wa Water Table Saturation F (includes ca Describe Re	bbley  drology Indicators: cators (any one indicated Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrivering the Deposits (B2) (Nonrivering the Soil Cracks (B6) ion Visible on Aerial Instained Leaves (B9) rvations: ter Present?	ne) riverine) ine) nagery (B'	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized Presence Recent Iro Other (Ex  No Depth (in No Depth (in No Depth (in onitoring well, aerial	st (B12) vertebrate: Sulfide Oc Rhizosphel of Reduce on Reduction plain in Re uches): uches): photos, pro	lor (C1) res along d Iron (C on in Plo marks)	Wetl	Secor 	Indary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Brediment Deposits (B2) (Riverine)  Brainage Patterns (B10)  Bry-Season Water Table (C2)  In Muck Surface (C7)  Brayfish Burrows (C8)  Braturation Visible on Aerial Imagery (C9)  Brahlow Aquitard (D3)  AC-Neutral Test (D5)
Depth (in Remarks: Very CO  IYDROLO  Wetland Hy Primary Indi Surface High W Saturati Water N Sedime Drift De Surface Inundat V Water-S Field Obsel Surface Wa Water Table Saturation F (includes ca Describe Re Remarks: In topog	bbley  ordrology Indicators: cators (any one indicated Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrivering the Deposits (B2) (Nonrivering the Soil Cracks (B6) ion Visible on Aerial In Stained Leaves (B9) rvations: ter Present? Present. Pr	ne) riverine) nagery (B	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized Presence Recent Iro Other (Ex  No Depth (in No Depth (in No Depth (in onitoring well, aerial	st (B12) vertebrate: Sulfide Oc Rhizosphel of Reduce on Reduction plain in Re uches): uches): photos, pro	lor (C1) res along d Iron (C on in Plo marks)	Wetl	Secor 	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Water Marks (B3) (Riverine) Water Deposits (B3) (Riverine) Water Teleposits (B3) (Riverine) Water Table (C2) Water Table (C2) Water Table (C2) Water Table (C3) Water Table (C4) Water Table (C5)
Depth (in Remarks: Very CO  IYDROLO  IYDROLO  Wetland Hy Primary Indi Surface High W Saturati Water N Sedime Drift De Surface Inundat V Water-S Field Obsel Surface Wa Water Table Saturation F (includes ca Describe Re	bbley  drology Indicators: cators (any one indicated Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrivering the Deposits (B2) (Nonrivering the Soil Cracks (B6) ion Visible on Aerial Instained Leaves (B9) rvations: ter Present?	ne) riverine) nagery (B	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized Presence Recent Iro Other (Ex  No Depth (in No Depth (in No Depth (in onitoring well, aerial	st (B12) vertebrate: Sulfide Oc Rhizosphel of Reduce on Reduction plain in Re uches): uches): photos, pro	lor (C1) res along d Iron (C on in Plo marks)	Wetl	Secor 	Indary Indicators (2 or more required)  Vater Marks (B1) (Riverine)  Prediment Deposits (B2) (Riverine)  Prainage Patterns (B10)  Pry-Season Water Table (C2)  In Muck Surface (C7)  Prayfish Burrows (C8)  Prayfish Burrows (C8)  Prayfish Burrows (C8)  Prayfish Ac-Neutral Test (D5)  The Present? Yes Value of No

WETLAND DETER	MINATIO	ON DAT	A FORM	– Arid West Region	
Project/Site: Stonegate Property	(	City/County	r: Chico/ I	Butte Sampling Date	9/23/16
Applicant/Owner: Epick Homes, Inc.				State: CA Sampling Point	: 43b
•				inge: Sec 31&32, Township 22No	
Landform (hillslope, terrace, etc.): terrace					
Subregion (LRR):					
Soil Map Unit Name: Wafap-Hamslough Complex, (					
•				·	
Are climatic / hydrologic conditions on the site typical for this					
Are Vegetation, Soil, or Hydrology si					<u>▼</u> No
Are Vegetation, Soil, or Hydrology na	aturally pro	blematic?	(If ne	eded, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map s	howing	samplin	ig point l	ocations, transects, important f	eatures, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:  Yes   ✓ No  No	· _ ✓		ne Sampled nin a Wetlar	d Area nd? Yes No <u>√</u>	_
VEGETATION					
	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Use scientific names.)  1	% Cover			Number of Dominant Species That Are OBL, FACW, or FAC:	<u>2</u> (A)
2 3				Total Number of Dominant Species Across All Strata:	3 (B)
4Total Cover:				Percent of Dominant Species That Are OBL, FACW, or FAC:	67 (A/B)
Sapling/Shrub Stratum					
1				Prevalence Index worksheet:	nh chur
2					
3				FACW species x 2 =	
5				FAC species x 3 =	
Total Cover:				FACU species x 4 =	
Herb Stratum				UPL species x 5 =	
Bromus hordeaceus		Y	<u>FACU</u>	Column Totals: (A)	
Festuca perennis			<u>FAC</u>		
3. Avena fatua			<u>UPL</u>	Prevalence Index = B/A =	
4. Eryngium vaseyi		N	FACW_	Hydrophytic Vegetation Indicators:	
5. Elymus caput-medusae		N	UPL	<ul><li>✓ Dominance Test is &gt;50%</li><li>✓ Prevalence Index is ≤3.0¹</li></ul>	
6. <u>Hordeum marinum</u>			FAC	Morphological Adaptations <sup>1</sup> (Provid	le supporting
7				data in Remarks or on a separat	te sheet)
8Total Cover:				Problematic Hydrophytic Vegetation	n¹ (Explain)
Woody Vine Stratum					
1				<sup>1</sup> Indicators of hydric soil and wetland hy	drology must
2				be present.	
Total Cover:	0			Hydrophytic Vegetation	
% Bare Ground in Herb Stratum 10  % Cover	of Biotic Cr	rust	0	Present? Yes ✓ No_	
Remarks:				.1	

SOIL Sampling Point: 43b

	ription: (Describe t	to the dep				or confirm	n the absenc	e of indicators.)
Depth (inches)	Matrix Color (moist)	<del>%</del>	Redo Color (moist)	<u>x Features</u> %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-4	7.5YR 2.5/2	90_	Soit masses		<u>C</u>	IVI	Clayloan	<u> </u>
17			De division di Matrico	21 4:				
	oncentration, D=Depl Indicators: (Applica					re Lining, R		nnel, M=Matrix. 's for Problematic Hydric Soils <sup>3</sup> :
Histosol		abio to an	Sandy Red		Ju.,			Muck (A9) (LRR C)
_	pipedon (A2)		Stripped Ma					Muck (A10) (LRR B)
Black Hi			Loamy Mud		I (F1)			uced Vertic (F18)
Hydroge	n Sulfide (A4)		Loamy Gle	yed Matrix	(F2)		Red	Parent Material (TF2)
	l Layers (A5) ( <b>LRR C</b>	<b>&gt;</b> )	Depleted M				Othe	r (Explain in Remarks)
	ck (A9) (LRR D)	(8.44)	Redox Dark	,	,			
	d Below Dark Surface ark Surface (A12)	e (A11)	Depleted D Redox Dep					
_	lucky Mineral (S1)		Vernal Poo		-0)		3Indicator	s of hydrophytic vegetation and
	Gleyed Matrix (S4)							nd hydrology must be present.
	ayer (if present):							
Type:								
Depth (inc	ches):						Hydric So	il Present? Yes No <u>√</u>
Remarks:								
HYDROLO	GY							
Wetland Hy	drology Indicators:						Sec	ondary Indicators (2 or more required)
_	ators (any one indica	ator is suffi	cient)					Water Marks (B1) (Riverine)
	Water (A1)	201 10 00111	Salt Crust	(B11)				Sediment Deposits (B2) (Riverine)
	ter Table (A2)		Biotic Crus	` '				Drift Deposits (B3) (Riverine)
Saturation			Aquatic In		s (B13)			Drainage Patterns (B10)
	arks (B1) ( <b>Nonriveri</b>	ne)	Hydrogen					Dry-Season Water Table (C2)
	nt Deposits (B2) ( <b>Nor</b>					Living Roo		Thin Muck Surface (C7)
	osits (B3) (Nonriver		Presence					Crayfish Burrows (C8)
Surface	Soil Cracks (B6)		Recent Iro	n Reductio	on in Ploy	wed Soils (	C6) <u> </u>	Saturation Visible on Aerial Imagery (C9)
Inundati	on Visible on Aerial II	magery (B7	') Other (Exp	olain in Re	marks)		_	Shallow Aquitard (D3)
Water-S	tained Leaves (B9)						_	FAC-Neutral Test (D5)
Field Obser	vations:							
Surface Wat			No Depth (in					
Water Table	Present? You	es I	No Depth (in	ches):		I		
Saturation P		es I	No Depth (in	ches):		Wetl	and Hydrolo	gy Present? Yes <u>√</u> No
(includes cap	ollary fringe) corded Data (stream	dalide mo	nitoring well aerial	nhotos pri	evious in	snections)	if available:	
Describe Ne	corded Data (stream	gauge, me	intolling well, acrial	priotos, pri	CVIOUS III	эрссионэ),	ii avallabic.	
Remarks:								
			no incised dra	ainage	patter	ns in so	oii, but ex	xpected to occur in storms
based o	n swale topog	raphy.						

WETLAND DETER	MINATIO	ON DATA	A FORM	– Arid West Region
Project/Site: Stonegate Property	(	City/County	: Chico/	Butte Sampling Date: 9/23/16
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u> Sampling Point: <u>44b</u>
Investigator(s): Meredith Branstad	;	Section, To	wnship, Ra	ange: <u>Sec 31&amp;32, Township 22North, Range 2</u> E
Landform (hillslope, terrace, etc.): terrace				
Subregion (LRR):	Lat: 39.	7184		Long: -121.7862 Datum: NAD 83
Soil Map Unit Name: Wafap-Hamslough Complex, (				
Are climatic / hydrologic conditions on the site typical for this				•
Are Vegetation, Soil, or Hydrology signs of the state of the stat				
Are Vegetation, Soil, or Hydrology na				eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s				
Hydrophytic Vegetation Present? Yes ✓ No Hydric Soil Present? Yes _ No Wetland Hydrology Present? Yes ✓ No Remarks:	) <u> </u>	Is th	ne Sampleo	•
VEGETATION				
Tree Stratum (Use scientific names.) 1		Species?		Dominance Test worksheet:  Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
3				Total Number of Dominant Species Across All Strata: (B)
4Total Cover: Sapling/Shrub Stratum  1	0			Percent of Dominant Species That Are OBL, FACW, or FAC:50 (A/B)  Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species x 1 =
4				FACW species 2 x 2 = 4
5				FAC species 52 x 3 = 156
Total Cover:	0			FACU species x 4 = UPL species 50
Elymus caput-medusae	50	Υ	UPL	Column Totals: $\underline{104}$ (A) $\underline{310}$ (B)
2. Eryngium vaseyi		N	FACW	Column Totals (A) (B)
3. Festuca perennis		Y	FAC	Prevalence Index = B/A =2.98
4. Tritileia hyacinthina	2	N	FAC	Hydrophytic Vegetation Indicators:
5				Dominance Test is >50%
6				<ul> <li>✓ Prevalence Index is ≤3.0¹</li> <li>_ Morphological Adaptations¹ (Provide supporting</li> </ul>
7				data in Remarks or on a separate sheet)
8Total Cover:				Problematic Hydrophytic Vegetation (Explain)
Woody Vine Stratum	104			
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2				be present.
Total Cover:	0			Hydrophytic Vegetation
% Bare Ground in Herb Stratum 10 % Cover	of Biotic Cr	rust	0_	Present? Yes <u>√</u> No
Remarks:				

SOIL Sampling Point: 44b

Depth (inches)	Matrix Color (moist)	%	Color (moist)	<u>x Features</u> %	Type <sup>1</sup>	Loc <sup>2</sup>	Touture	Domorto
(inches)			-				Texture	Remarks
0-4	7.5YR 3/2	96_	Soft masses		<u> </u>	IVI	Loam	
<sup>1</sup> Type: C=C	oncentration, D=Depl	letion, RM:	Reduced Matrix.	<sup>2</sup> Location	PL=Pore	e Lining, F		
Hydric <b>S</b> oil	Indicators: (Applica	able to all	LRRs, unless othe	rwise note	d.)		Indicators	for Problematic Hydric Soils <sup>3</sup> :
Histosol	, ,		Sandy Red					Muck (A9) (LRR C)
	pipedon (A2)		Stripped Ma		(E4)			Muck (A10) (LRR B)
	istic (A3) en Sulfide (A4)		Loamy Mud Loamy Gley	-				ed Vertic (F18) arent Material (TF2)
	d Layers (A5) ( <b>LRR C</b>	3)	Depleted M		(Г2)			(Explain in Remarks)
	uck (A9) ( <b>LRR D</b> )	-/	Redox Dark	` '	F6)			(Explain in Normanio)
	d Below Dark Surface	e (A11)	Depleted D					
	ark Surface (A12)		Redox Dep		8)			
	Mucky Mineral (S1)		Vernal Pool	ls (F9)				of hydrophytic vegetation and
	Gleyed Matrix (S4)  Layer (if present):						wetiand	hydrology must be present.
	Layer (II present).							
	ches):						Hydric Soil	Present? Yes No ✓
Remarks:	CITC3)						Tiyane Con	11036Ht: 103 HO
	ires at least 59	% rado	v reactions					
i o requi	iles at least 5	70 TEGO.	A reactions.					
IVDROLO	ncv							
							Seco	ndary Indicators (2 or more required)
Wetland Hy	drology Indicators:	ator is suffi	cient)					ndary Indicators (2 or more required)
Wetland Hy Primary Indi	drology Indicators: cators (any one indica	ator is suffi		(B11)			v	Vater Marks (B1) ( <b>Riverine</b> )
Wetland Hy Primary Indi Surface	drology Indicators: cators (any one indica Water (A1)	ator is suffi	Salt Crust				v s	Vater Marks (B1) (Riverine) sediment Deposits (B2) (Riverine)
Wetland Hy Primary Indi Surface High Wa	drology Indicators: cators (any one indica Water (A1) ater Table (A2)	ator is suffi	Salt Crust Biotic Crus	st (B12)	s (B13)		V s c	Vater Marks (B1) (Riverine) sediment Deposits (B2) (Riverine) vift Deposits (B3) (Riverine)
Wetland Hy Primary Indi Surface High Wa Saturati	drology Indicators: cators (any one indica Water (A1)		Salt Crust Biotic Crus Aquatic In	st (B12) vertebrates			v s c	Vater Marks (B1) (Riverine) sediment Deposits (B2) (Riverine)
Wetland Hy Primary Indi Surface High Wa Saturati Water M	drology Indicators: cators (any one indica Water (A1) ater Table (A2) on (A3)	ine)	Salt Crust Biotic Crust Aquatic In Hydrogen	st (B12) vertebrates Sulfide Od	or (C1)	Living Roo	V S C C	Vater Marks (B1) (Riverine) sediment Deposits (B2) (Riverine) brift Deposits (B3) (Riverine) brainage Patterns (B10)
Wetland Hy Primary Indi Surface High Wa Saturati Water M	drology Indicators: cators (any one indica Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveri	ine) nriverine)	Salt Crust Biotic Crust Aquatic In Hydrogen	st (B12) vertebrates Sulfide Oc Rhizospher	or (C1) es along		V S C C C	Vater Marks (B1) ( <b>Riverine</b> ) sediment Deposits (B2) ( <b>Riverine</b> ) orift Deposits (B3) ( <b>Riverine</b> ) orainage Patterns (B10) ory-Season Water Table (C2)
Primary Indi Surface High Wa Saturati Water M Sedime Drift De	drology Indicators: cators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriverint Deposits (B2) (Nor	ine) nriverine)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F	st (B12) vertebrates Sulfide Oo Rhizospher of Reduce	or (C1) es along d Iron (C4	.)		Vater Marks (B1) (Riverine) sediment Deposits (B2) (Riverine) vift Deposits (B3) (Riverine) varinage Patterns (B10) vry-Season Water Table (C2) thin Muck Surface (C7) varyfish Burrows (C8) saturation Visible on Aerial Imagery (C9)
Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface	drology Indicators: cators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriverient Deposits (B2) (Nonriverient) Soil Cracks (B6) ion Visible on Aerial In	ine) nriverine) rine)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	st (B12) vertebrates Sulfide Oc Rhizospher of Reduce on Reduction	or (C1) es along d Iron (C4 on in Plow	.)		Vater Marks (B1) (Riverine) dediment Deposits (B2) (Riverine) derift Deposits (B3) (Riverine) derinage Patterns (B10) dery-Season Water Table (C2) defini Muck Surface (C7) derayfish Burrows (C8) destauration Visible on Aerial Imagery (C9) definition of the control of the cont
Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S	drology Indicators: cators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriverient Deposits (B2) (Norriverient) Soil Cracks (B6) ion Visible on Aerial Instained Leaves (B9)	ine) nriverine) rine)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	st (B12) vertebrates Sulfide Oc Rhizospher of Reduce on Reduction	or (C1) es along d Iron (C4 on in Plow	.)		Vater Marks (B1) (Riverine) sediment Deposits (B2) (Riverine) vift Deposits (B3) (Riverine) varinage Patterns (B10) vry-Season Water Table (C2) thin Muck Surface (C7) varyfish Burrows (C8) saturation Visible on Aerial Imagery (C9)
Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S	drology Indicators: cators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriverint Deposits (B2) (Norrivers) Soil Cracks (B6) ion Visible on Aerial Instanced Leaves (B9) Evations:	ine) nriverine) ine) magery (B'	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Other (Exp	st (B12) vertebrates Sulfide Oc Rhizospher of Reduce on Reductio	or (C1) es along d Iron (C4 on in Plow marks)	ed Soils (		Vater Marks (B1) (Riverine) dediment Deposits (B2) (Riverine) derift Deposits (B3) (Riverine) derinage Patterns (B10) dery-Season Water Table (C2) defini Muck Surface (C7) derayfish Burrows (C8) destauration Visible on Aerial Imagery (C9) definition of the control of the cont
Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser	drology Indicators: cators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriverint Deposits (B2) (Norrivers) Soil Cracks (B6) ion Visible on Aerial Instained Leaves (B9) evations: ter Present?	ine) nriverine) rine) magery (B'	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Other (Exp	st (B12) vertebrates Sulfide Oc Rhizospher of Reduce on Reduction blain in Res ches):	or (C1) es along d Iron (C4 on in Plow marks)	ed Soils (		Vater Marks (B1) (Riverine) dediment Deposits (B2) (Riverine) derift Deposits (B3) (Riverine) derinage Patterns (B10) dery-Season Water Table (C2) defini Muck Surface (C7) derayfish Burrows (C8) destauration Visible on Aerial Imagery (C9) definition of the control of the cont
Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Water	drology Indicators: cators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveri nt Deposits (B2) (Nor posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial In Stained Leaves (B9) rvations: ter Present? Ye	ine) nriverine) rine) magery (B'	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp	st (B12) vertebrates Sulfide Oc Rhizospher of Reduce on Reductio blain in Ref ches): ches):	or (C1) es along d Iron (C4 on in Plow marks)	ed Soils (		Vater Marks (B1) (Riverine) sediment Deposits (B2) (Riverine) brift Deposits (B3) (Riverine) brainage Patterns (B10) bry-Season Water Table (C2) thin Muck Surface (C7) brayfish Burrows (C8) saturation Visible on Aerial Imagery (C9) shallow Aquitard (D3) AC-Neutral Test (D5)
Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation F	drology Indicators: cators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveri nt Deposits (B2) (Nor posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial In Stained Leaves (B9) Evations: ter Present? Present? Ye	ine) nriverine) rine) magery (B'	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp	st (B12) vertebrates Sulfide Oc Rhizospher of Reduce on Reductio blain in Ref ches): ches):	or (C1) es along d Iron (C4 on in Plow marks)	ed Soils (		Vater Marks (B1) (Riverine) dediment Deposits (B2) (Riverine) derift Deposits (B3) (Riverine) derinage Patterns (B10) dery-Season Water Table (C2) defini Muck Surface (C7) derayfish Burrows (C8) destauration Visible on Aerial Imagery (C9) definition of the control of the cont
Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca	drology Indicators: cators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveri nt Deposits (B2) (Nor posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial In Stained Leaves (B9) rvations: ter Present? Ye	ine) nriverine) ine) magery (B' es es	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp	st (B12) vertebrates Sulfide Oc Rhizospher of Reduce on Reduction blain in Ref ches): ches): ches):	or (C1) es along d Iron (C4 on in Plow marks)	ed Soils (		Vater Marks (B1) (Riverine) sediment Deposits (B2) (Riverine) brift Deposits (B3) (Riverine) brainage Patterns (B10) bry-Season Water Table (C2) thin Muck Surface (C7) brayfish Burrows (C8) saturation Visible on Aerial Imagery (C9) shallow Aquitard (D3) AC-Neutral Test (D5)
Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca	drology Indicators: cators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriverint Deposits (B2) (Norriver) Soil Cracks (B6) ion Visible on Aerial Instained Leaves (B9) rvations: er Present? Present? Present? Yeresent? Yeresent? Present? Yeresent?	ine) nriverine) ine) magery (B' es es	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp	st (B12) vertebrates Sulfide Oc Rhizospher of Reduce on Reduction blain in Ref ches): ches): ches):	or (C1) es along d Iron (C4 on in Plow marks)	ed Soils (		Vater Marks (B1) (Riverine) sediment Deposits (B2) (Riverine) brift Deposits (B3) (Riverine) brainage Patterns (B10) bry-Season Water Table (C2) thin Muck Surface (C7) brayfish Burrows (C8) saturation Visible on Aerial Imagery (C9) shallow Aquitard (D3) AC-Neutral Test (D5)
Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca	drology Indicators: cators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriverint Deposits (B2) (Norriver) Soil Cracks (B6) ion Visible on Aerial Instained Leaves (B9) rvations: er Present? Present? Present? Yeresent? Yeresent? Present? Yeresent?	ine) nriverine) ine) magery (B' es es	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp	st (B12) vertebrates Sulfide Oc Rhizospher of Reduce on Reduction blain in Ref ches): ches): ches):	or (C1) es along d Iron (C4 on in Plow marks)	ed Soils (		Vater Marks (B1) (Riverine) sediment Deposits (B2) (Riverine) brift Deposits (B3) (Riverine) brainage Patterns (B10) bry-Season Water Table (C2) thin Muck Surface (C7) brayfish Burrows (C8) saturation Visible on Aerial Imagery (C9) shallow Aquitard (D3) AC-Neutral Test (D5)
Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation F (includes ca Describe Re	drology Indicators: cators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveri nt Deposits (B2) (Nor posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial In Stained Leaves (B9) rvations: ter Present? Present? Present? Present? Vierpillary fringe) corded Data (stream	ine) nriverine) rine) magery (B es es gauge, mo	Salt Crust Biotic Crust Aquatic In Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp  No Depth (in No Depth (in onitoring well, aerial	st (B12) vertebrates Sulfide Oc Rhizospher of Reduce on Reduction clain in Reduction ches): ches): photos, pre	or (C1) es along d Iron (C4 on in Plow marks)	wetl		Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Strift Deposits (B3) (Riverine) Strainage Patterns (B10) Stry-Season Water Table (C2) Shin Muck Surface (C7) Strayfish Burrows (C8) Staturation Visible on Aerial Imagery (C9) Schallow Aquitard (D3) AC-Neutral Test (D5)  The Present? Yes Volume No
Wetland Hy Primary Indi Surface High Wa Saturati Water N Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation F (includes ca Describe Re Remarks:	drology Indicators: cators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriverint Deposits (B2) (Norriversoil Cracks (B6) ion Visible on Aerial Instanced Leaves (B9) reations: are Present? Present. Prese	ine) nriverine) rine) magery (B' es es gauge, mo	Salt Crust Biotic Crust Aquatic In Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp  No Depth (in No Depth (in onitoring well, aerial	st (B12) vertebrates Sulfide Oc Rhizospher of Reduce on Reduction clain in Reduction ches): ches): photos, pre	or (C1) es along d Iron (C4 on in Plow marks)	wetl		Vater Marks (B1) (Riverine) sediment Deposits (B2) (Riverine) brift Deposits (B3) (Riverine) brainage Patterns (B10) bry-Season Water Table (C2) thin Muck Surface (C7) brayfish Burrows (C8) saturation Visible on Aerial Imagery (C9) shallow Aquitard (D3) AC-Neutral Test (D5)
Wetland Hy Primary Indi Surface High Wa Saturati Water N Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca Describe Re Remarks:	drology Indicators: cators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveri nt Deposits (B2) (Nor posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial In Stained Leaves (B9) rvations: ter Present? Present? Present? Present? Vierpillary fringe) corded Data (stream	ine) nriverine) rine) magery (B' es es gauge, mo	Salt Crust Biotic Crust Aquatic In Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp  No Depth (in No Depth (in onitoring well, aerial	st (B12) vertebrates Sulfide Oc Rhizospher of Reduce on Reduction clain in Reduction ches): ches): photos, pre	or (C1) es along d Iron (C4 on in Plow marks)	wetl		Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Strift Deposits (B3) (Riverine) Strainage Patterns (B10) Stry-Season Water Table (C2) Shin Muck Surface (C7) Strayfish Burrows (C8) Staturation Visible on Aerial Imagery (C9) Schallow Aquitard (D3) AC-Neutral Test (D5)  The Present? Yes Volume No

WETLAND DETER	MINATIO	ON DATA	A FORM	– Arid West Region
Project/Site: Stonegate Property	(	City/County	: Chico/	Butte Sampling Date: 9/23/16
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u> Sampling Point: <u>45a</u>
Investigator(s): Meredith Branstad	;	Section, To	wnship, Ra	nge: Sec 31&32, Township 22North, Range 2
Landform (hillslope, terrace, etc.): terrace				
Subregion (LRR): C				
Soil Map Unit Name: Wafap-Hamslough Complex, C				
Are climatic / hydrologic conditions on the site typical for this			,	
Are Vegetation, Soil, or Hydrology sig				
Are Vegetation, Soil, or Hydrology na				
SUMMARY OF FINDINGS – Attach site map s				
Hydrophytic Vegetation Present? Yes ✓ No Hydric Soil Present? Yes ✓ No Wetland Hydrology Present? Yes ✓ No Remarks:		Is th	ie Sampled	•
		Species?		Dominance Test worksheet:  Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
2.				Total Number of Dominant
3				Species Across All Strata:1 (B)
Total Cover:  Sapling/Shrub Stratum  1 2				Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)  Prevalence Index worksheet: Total % Cover of: Multiply by:
3				OBL species x 1 =
4				FACW species x 2 =
5				FAC species x 3 =
Total Cover:	0			FACU species x 4 =
Herb Stratum  1. Festuca perennis	80	Υ	FAC	UPL species x 5 =
Eryngium vaseyi			FACW	Column Totals: (A) (B)
3. Triteleia hyacinthina			FAC	Prevalence Index = B/A =
4. Elymus caput-medusae		N	UPL	Hydrophytic Vegetation Indicators:
5				✓ Dominance Test is >50%
6				Prevalence Index is ≤3.0 <sup>1</sup>
7		·		Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation (Explain)
Total Cover:	97			
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2				be present.
Total Cover:				Hydrophytic
% Bare Ground in Herb Stratum3 % Cover of	of Biotic Cr	rust	0_	Vegetation Present? Yes ✓ No
Remarks:			_ <del></del> _	

SOIL Sampling Point: 45a

Type: C=Concentration, D=Depletion, RM=Reduced Matrix.  Type: C=Concentration, D=Depletion, RM=Reduced RM=Red	Depth Matrix (inches) Color (moist)	%	Color (moist)	x Features	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
Type: C=Concentration, D=Depletion, RM=Reduced Matrix.    Tydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)   Indicators for Problematic Hydric Soils*:   Indicators for Probl	0-4 <u>7.5YR 2.5/2</u>	92	2YR 6/8	8	С	M	Loam	Prominent mottles
Type: C=Concentration, D=Depletion, RM=Reduced Matrix.    Tydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)   Indicators for Problematic Hydric Soils*:   Indicators for Probl			soft masses					
Type: C=Concentration, D=Depletion, RM=Reduced Matrix. **Location: PL=Pore Lining, RC=Rect Channel, M=Matrix.** lytyfic Soll Indicators: (Applicable to all LRRs, unless otherwise noted.)								
Type: C=Concentration, D=Depletion, RM=Reduced Matrix. *Location: PL=Pore Lining, RC=Root Channel, M=Matrix.  Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histocal (A1)								
Type: C=Concentration. D=Depletion, RM=Reduced Matrix.    1								
Histosol (A1)								
Histosol (A1)								
Histosol (A1)								
Histosol (A1)								
Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C) Histic Epipedon (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR B) Black Histic (A3) Loamy Mucky (Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks)  1 cm Muck (A9) (LRR D) ✓ Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Wernal Pools (F9) Indicators of hydrophylic vegetation and wetland hydrology must be present.  Restrictive Layer (If present): Type:						re Lining, F		
Histic Epipedon (A2)   Stripped Matrix (SB)   2 cm Muck (A10) (LRR B)   Black Histic (A3)   Loamy Mucky Mineral (F1)   Reduced Vertic (F18)   Hydrogen Sulfide (A4)   LRR C)   Loamy Gleyed Matrix (F2)   Red Parent Material (TF2)   Stratified Layers (A5) (LRR C)   Depleted Matrix (F3)   Other (Explain in Remarks)   1 cm Muck (A9) (LRR D)   Zendon Matrix (F3)   Other (Explain in Remarks)   2 cm Muck (A9) (LRR D)   Zendon Matrix (F3)   Other (Explain in Remarks)   3 cm Mucky Mineral (S1)   Depleted Dark Surface (F6)   3 cm Mucky Mineral (S1)   Vernal Pools (F8)   Pindicators of hydrophytic vegetation and wetland hydrology must be present.   3 cm Mucky Mineral (S1)   Vernal Pools (F8)   Pindicators of hydrophytic vegetation and wetland hydrology must be present.   3 cm Mucky Mineral (S1)   Vernal Pools (F8)   Pindicators (Present)   3 cm Mucky Mineral (S1)   Vernal Pools (F8)   Pindicators (Present)   4 cm York (S0I) Present?   Yes		ie to aii			1.)			
Black Histic (A3)							_	
Hydrogen Sulfide (A4)				` '	F1)		_	
	Hydrogen Sulfide (A4)		Loamy Gle	yed Matrix (	F2)			
Depleted Below Dark Surface (A11)							Other	(Explain in Remarks)
Thick Dark Surface (A12)		A 4 4 )						
Sandy Mucky Mineral (S1)		411)						
Search (Seleyed Matrix (S4) wetland hydrology must be present.    Restrictive Layer (if present):				•	,		3Indicators	of hydrophytic vegetation and
Type:				( )				
Depth (inches):	Restrictive Layer (if present):							
Primary Indicators (2 or more required)  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Salt Crust (B11)  Saturation (A3)  Aquatic Invertebrates (B13)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B3) (Riverine)  Primary Indicators (any one indicator is sufficient)  High Water Table (A2)  Saturation (A3)  Aquatic Invertebrates (B13)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B3) (Riverine)  Primary Indicators (B13)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B2) (Riverine)  Presence of Reduced Iron (C4)  Sufface Soil Cracks (B6)  Recent Iron Reduction in Plowed Soils (C6)  Water-Stained Leaves (B9)  Water-Stained Leaves (B9)  Water-Stained Leaves (B9)  Water-Stained Leaves (B9)  Water Table Present? Yes No Depth (inches):  Water T	Туре:							
YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  Salt Crust (B11)  Saturation (A3)  Aquatic Invertebrates (B13)  Water Marks (B1) (Riverine)  Drift Deposits (B2) (Riverine)  Sediment Deposits (B3) (Riverine)  Drift Deposits (B3) (Riverine)  Sediment Deposits (B3) (Riverine)  Drift Deposits (B3) (Riverine)  Drift Deposits (B3) (Riverine)  Drift Deposits (B3) (Riverine)  Dry-Season Water Table (C2)  Sediment Deposits (B2) (Nonriverine)  Dry-Season Water Table (C2)  Sediment Deposits (B3) (Nonriverine)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Drift Deposits (B3) (Nonriverine)  Presence of Reduced Iron (C4)  Crayfish Burrows (C8)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  FAC-Neutral Test (D5)  Field Observations:  Surface Water Present?  Yes No Depth (inches):  Water Table Present? Yes No Depth (inches):	Depth (inches):						Hydric Soi	I Present? Yes ✓ No
YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  Salt Crust (B11)  Saturation (A3)  Aquatic Invertebrates (B13)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Sediment Deposits (B3) (Riverine)  Drift Deposits (B3) (Riverine)  Sediment Deposits (B3) (Riverine)  Drift Deposits (B3) (Riverine)  Drift Deposits (B3) (Nonriverine)  Dry-Season Water Table (C2)  Sediment Deposits (B2) (Nonriverine)  Oxidized Rhizospheres along Living Roots (C3)  Drift Deposits (B3) (Nonriverine)  Presence of Reduced Iron (C4)  Crayfish Burrows (C8)  Jauration Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Water-Stained Leaves (B9)  FAC-Neutral Test (D5)  Veter Table Present?  Yes No Depth (inches):  Saturation Present? Yes No							,	
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  Sulface Water (A1)  High Water Table (A2)  Saturation (A3)  Aquatic Invertebrates (B13)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B3) (Riverine)  Drift Deposits (B3) (Riverine)  Sediment Deposits (B3) (Riverine)  Drift Deposits (B3) (Riverine)  Sediment Deposits (B3) (Riverine)  Drift Deposits (B3) (Riverine)  Sediment Deposits (B3) (Nonriverine)  Sediment Deposits (B3) (Nonriverine)  Sediment Deposits (B3) (Nonriverine)  Dry-Season Water Table (C2)  Drift Deposits (B3) (Nonriverine)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Surface Soil Cracks (B6)  Recent Iron Reduction in Plowed Soils (C6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  FAC-Neutral Test (D5)  Field Observations:  Water Table Present? Yes No Depth (inches):  Surface Water Present? Yes No Depth (inches):  Saturation Present? Yes No Depth (inches):  Saturation Present? Yes No Depth (inches):  Secondary Indicators (2 or more required)  Water Adrks (B1) (Riverine)  Dry-Season Water Table (C2)  Drift Deposits (B3) (Riverine)  Dry-Season Water Table (C2)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  FAC-Ne							1,7,2,10	
Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  Surface Water (A2)  High Water Table (A2)  Saturation (A3)  Aquatic Invertebrates (B13)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B3) (Riverine)  Primary Indicators (any one indicator is sufficient)  Water Marks (B1)  Biotic Crust (B12)  Saturation (A3)  Aquatic Invertebrates (B13)  Water Marks (B1) (Nonriverine)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Oxidized Rhizospheres along Living Roots (C3)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Surface Soil Cracks (B6)  Recent Iron Reduction in Plowed Soils (C6)  Water-Stained Leaves (B9)  Water-Stained Leaves (B9)  Teld Observations:  Surface Water Present?  Yes No Depth (inches):  Saturation Present? Yes No Depth (inches):  Saturation Prese	Very cobbley							
Surface Water (A1) Salt Crust (B11) Sediment Deposits (B2) (Riverine) High Water Table (A2) Biotic Crust (B12) Drift Deposits (B3) (Riverine) Saturation (A3) Aquatic Invertebrates (B13) ✓ Drainage Patterns (B10) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Thin Muck Surface (C7) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Plowed Soils (C6) ✓ Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Shallow Aquitard (D3) Water-Stained Leaves (B9) FAC-Neutral Test (D5)  Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Satur	Very cobbley							
High Water Table (A2)	Very cobbley  IYDROLOGY  Wetland Hydrology Indicators:	r io ouffi	piont)				Seco	ndary Indicators (2 or more required)
Saturation (A3)	Very cobbley  IYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator	or is suffi		(P44)			<u>Seco</u> \	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> )
Water Marks (B1) (Nonriverine)	Very cobbley  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator  Surface Water (A1)	or is suffi	Salt Crust	` /			<u>Seco</u>	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> )
Sediment Deposits (B2) (Nonriverine)	Very cobbley  IYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator  Surface Water (A1)  High Water Table (A2)	r is suffi	Salt Crust Biotic Crus	st (B12)	(B13)		<u>Seco</u> \ \$ [	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> )
Surface Soil Cracks (B6)	Very cobbley  IYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator  Surface Water (A1)  High Water Table (A2)  Saturation (A3)		Salt Crust Biotic Crus Aquatic In	st (B12) vertebrates			Seco \ \ [ [	ndary Indicators (2 or more required)  Water Marks (B1) ( <b>Riverine</b> )  Sediment Deposits (B2) ( <b>Riverine</b> )  Drift Deposits (B3) ( <b>Riverine</b> )  Drainage Patterns (B10)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Shallow Aquitard (D3) Water-Stained Leaves (B9) FAC-Neutral Test (D5) FAC-Neutral Test (D5) Vater Table Present?	Very cobbley  IYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)	)	Salt Crust Biotic Crust Aquatic In Hydrogen	st (B12) vertebrates Sulfide Odd	or (C1)	Living Roc	Seco 	ndary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)
Water-Stained Leaves (B9) FAC-Neutral Test (D5)  Field Observations:  Surface Water Present?	Very cobbley  IYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriv	) verine)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F	st (B12) vertebrates Sulfide Odo Rhizosphere	or (C1) s along		Seco	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7)
Surface Water Present? Yes No Depth (inches):  Water Table Present? Yes No Depth (inches):  Saturation Present? Yes No Depth (inches):  Saturation Present? Yes No Depth (inches):  Sectional Present? Yes No Depth (inches):  No	Very cobbley  IYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)	) verine)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F	st (B12) vertebrates Sulfide Odo Rhizosphere of Reduced	or (C1) es along Iron (C	4)	Seco	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8)
Surface Water Present? Yes No Depth (inches):  Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:  In topographic depression. No incised drainage patterns in soil, but expected to occur in storms	Wetland Hydrology Indicators:  Primary Indicators (any one indicator  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)	) verine) e)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	st (B12) vertebrates Sulfide Odd Rhizosphere of Reduced n Reduction	or (C1) es along Iron (C n in Ploy	4)	Seco	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Water Table Present? Yes No Depth (inches): Baturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes ✓ No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:  In topographic depression. No incised drainage patterns in soil, but expected to occur in storms	Very cobbley  IYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Image Water-Stained Leaves (B9)	) verine) e)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	st (B12) vertebrates Sulfide Odd Rhizosphere of Reduced n Reduction	or (C1) es along Iron (C n in Ploy	4)	Seco	ndary Indicators (2 or more required)  Water Marks (B1) ( <b>Riverine</b> )  Sediment Deposits (B2) ( <b>Riverine</b> )  Orift Deposits (B3) ( <b>Riverine</b> )  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:  In topographic depression. No incised drainage patterns in soil, but expected to occur in storms	Very cobbley  IYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Image Water-Stained Leaves (B9)  Field Observations:	) verine) e) gery (B7	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Other (Exp	st (B12) vertebrates Sulfide Odd Rhizosphere of Reduced on Reduction	or (C1) es along Iron (C n in Ploy narks)	4) wed Soils (	Seco	ndary Indicators (2 or more required)  Water Marks (B1) ( <b>Riverine</b> )  Sediment Deposits (B2) ( <b>Riverine</b> )  Orift Deposits (B3) ( <b>Riverine</b> )  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: In topographic depression. No incised drainage patterns in soil, but expected to occur in storms	Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Image Water-Stained Leaves (B9) Field Observations: Surface Water Present?	) verine) e) gery (B7	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Other (Exp	st (B12) vertebrates Sulfide Odo Rhizosphere of Reduced on Reduction blain in Rem	or (C1) es along Iron (C n in Plov narks)	4) wed Soils (	Seco	ndary Indicators (2 or more required)  Water Marks (B1) ( <b>Riverine</b> )  Sediment Deposits (B2) ( <b>Riverine</b> )  Orift Deposits (B3) ( <b>Riverine</b> )  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:  In topographic depression. No incised drainage patterns in soil, but expected to occur in storms	Wetland Hydrology Indicators:  Primary Indicators (any one indicator)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Image Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Yes  Water Table Present?	) verine) e) gery (B7	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp	st (B12) vertebrates Sulfide Odo Rhizosphere of Reduced on Reduction plain in Rem ches): ches):	or (C1) es along Iron (C n in Plov narks)	4) wed Soils (	Seco	Indary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
n topographic depression. No incised drainage patterns in soil, but expected to occur in storms	Wetland Hydrology Indicators:  Primary Indicators (any one indicator)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagenty Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes  Saturation Present?	) verine) e) gery (B7	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp	st (B12) vertebrates Sulfide Odo Rhizosphere of Reduced on Reduction plain in Rem ches): ches):	or (C1) es along Iron (C n in Plov narks)	4) wed Soils (	Seco	Indary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
n topographic depression. No incised drainage patterns in soil, but expected to occur in storms	Wetland Hydrology Indicators:  Primary Indicators (any one indicator)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Image Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes Saturation Present? Yes (includes capillary fringe)	) verine) e) gery (B7	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp	st (B12) vertebrates Sulfide Odo Rhizosphere of Reduced on Reduction plain in Rem ches): ches):	or (C1) es along Iron (C n in Plov narks)	4) wed Soils (	Seco	Indary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
	Wetland Hydrology Indicators:  Primary Indicators (any one indicator)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Image Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes Saturation Present?  Yes (includes capillary fringe)	) verine) e) gery (B7	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp	st (B12) vertebrates Sulfide Odo Rhizosphere of Reduced on Reduction plain in Rem ches): ches):	or (C1) es along Iron (C n in Plov narks)	4) wed Soils (	Seco	Indary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
	Wetland Hydrology Indicators:  Primary Indicators (any one indicator)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Image Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes Saturation Present?  Yes (includes capillary fringe)	) verine) e) gery (B7	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp	st (B12) vertebrates Sulfide Odo Rhizosphere of Reduced on Reduction plain in Rem ches): ches):	or (C1) es along Iron (C n in Plov narks)	4) wed Soils (	Seco	Indary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
saced on oware topography.	Wetland Hydrology Indicators:  Primary Indicators (any one indicator)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Image Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)  Describe Recorded Data (stream gater)	) verine) e) gery (B7	Salt Crust Biotic Crust Aquatic In Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp No Depth (in No Depth (in No Depth (in onitoring well, aerial	st (B12) vertebrates Sulfide Odo Rhizosphere of Reduced on Reduction clain in Rem ches): ches): photos, prev	or (C1) es along Iron (C n in Plov narks)	4) wed Soils (	Seco	Indary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
	Very cobbley  Vetland Hydrology Indicators:  Primary Indicators (any one indicator)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Image Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes Water Table Present? Yes (includes capillary fringe)  Describe Recorded Data (stream gater)  Remarks:  In topographic depression	yerine) gery (B7	Salt Crust Biotic Crust Aquatic In Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp No Depth (in No Depth (in No Depth (in onitoring well, aerial	st (B12) vertebrates Sulfide Odo Rhizosphere of Reduced on Reduction clain in Rem ches): ches): photos, prev	or (C1) es along Iron (C n in Plov narks)	4) wed Soils (	Seco	Indary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)

WETLAND DETER	RMINATIO	ON DAT	A FORM	– Arid West Regio	n		
Project/Site: Stonegate Property	(	City/Count	y: Chico/	Butte	_ Sampling	g Date: <u>9/23/</u>	16
Applicant/Owner: Epick Homes, Inc.							
•				nge: <u>Sec 31&amp;32, To</u>			nae 2E
Landform (hillslope, terrace, etc.): terrace							
Subregion (LRR): C				· · · · · · · · · · · · · · · · · · ·			
Soil Map Unit Name: Wafap-Hamslough Complex,							10 00
Are climatic / hydrologic conditions on the site typical for this					-	naria	
						v /	1
Are Vegetation, Soil, or Hydrology si							10
Are Vegetation, Soil, or Hydrology n				eeded, explain any answ			
SUMMARY OF FINDINGS – Attach site map	showing	samplii	ng point l	ocations, transect	:s, import	lant feature	es, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:  Yes No  Yes No  No  No  No  No  Remarks:	o <u> </u>		he Sampled hin a Wetlar	d Area nd? Yes	No _	✓	
VEGETATION							
	Absolute		t Indicator	Dominance Test wor	rksheet:		
Tree Stratum (Use scientific names.)  1				Number of Dominant That Are OBL, FACW	Species <sup>r</sup> , or FAC:	2	(A)
2				Total Number of Dom Species Across All Str		2	(B)
4				Percent of Dominant S That Are OBL, FACW		100	(A/B)
1				Prevalence Index wo	orksheet:		
2				Total % Cover of:	<u>:                                    </u>	Multiply by:	_
3				OBL species	x 1	=	_
4				FACW species	x 2	<u>?</u> =	_
5				FAC species			_
Total Cover	:0			FACU species			_
Herb Stratum  1. Hordeum marinum	25	Υ	FAC	UPL species			
Festuca perennis			FAC	Column Totals:	(A)		(B)
3. Avena fatua	•		UPL	Prevalence Inde	ex = B/A = .		
Elymus caput-medusae			UPL	Hydrophytic Vegetat			
5. <u>Tritileia hyacinthina</u>			FAC	Dominance Test i	is >50%		
6				Prevalence Index			
7				Morphological Ad	laptations <sup>1</sup> (	Provide suppor eparate sheet)	rling
8				Problematic Hydr			
Total Cover	106	•		Froblematic riyur	opriyac veg	etation (Expla	uii <i>)</i>
Woody Vine Stratum  1				<sup>1</sup> Indicators of hydric s	oil and wetls	and hydrology	must
2				be present.		,	
Total Cover	:0			Hydrophytic Vegetation			
% Bare Ground in Herb Stratum % Cover	of Biotic C	rust	<u>U</u>	Present? Y	es <b>✓</b>	No	
Remarks:							

SOIL Sampling Point: 46b

Depth Matrix Redox Features (inches) Color (moist) % Color (moist) % Type	Loc <sup>2</sup>	Texture	Remarks
0-4 7.5YR 2.5/2 98 2.5YR 4/8 2 C	<u>M</u>	Clay loan	Prominent mottles
Type: C=Concentration, D=Depletion, RM=Reduced Matrix. <sup>2</sup> Location: PL=P	— ——— ore Lining, R0	C=Root Chanr	nel, M=Matrix.
lydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)			for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Sandy Redox (S5)		1 cm N	fluck (A9) ( <b>LRR C</b> )
Histic Epipedon (A2) Stripped Matrix (S6)			Muck (A10) (LRR B)
Black Histic (A3) Loamy Mucky Mineral (F1)			ed Vertic (F18)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)			arent Material (TF2)
Stratified Layers (A5) (LRR C)		Other (	(Explain in Remarks)
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)			
Depicted below Bark outlace (A11) Bepicted Bark outlace (17) Redox Depressions (F8)			
Sandy Mucky Mineral (S1) Vernal Pools (F9)		<sup>3</sup> Indicators	of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)			hydrology must be present.
Restrictive Layer (if present):			
Type:			
1,500.			
Depth (inches):		Hydric Soil	Present? Yes No _✓
Depth (inches):Remarks:		Hydric Soil	Present? Yes No _✓
Depth (inches):Remarks:  Does not meet the 5% redox features required for F6.		Hydric Soil	Present? Yes No _✓
Depth (inches):Remarks: Does not meet the 5% redox features required for F6.  YDROLOGY		,	
Depth (inches): Remarks: Does not meet the 5% redox features required for F6.  YDROLOGY Wetland Hydrology Indicators:		Secon	idary Indicators (2 or more required)
Depth (inches): Remarks: Does not meet the 5% redox features required for F6.  YDROLOGY Wetland Hydrology Indicators: Primary Indicators (any one indicator is sufficient)		Secon	idary Indicators (2 or more required) /ater Marks (B1) ( <b>Riverine</b> )
Depth (inches): Remarks: Does not meet the 5% redox features required for F6.  YDROLOGY Wetland Hydrology Indicators: Primary Indicators (any one indicator is sufficient) Sulface Water (A1) Salt Crust (B11)		<u>Secon</u> W S	idary Indicators (2 or more required) /ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> )
Depth (inches):		Secon	dary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine)
Depth (inches):		Secon W S D D	idary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10)
Depth (inches):		Secon W S D D D	Idary Indicators (2 or more required)  /ater Marks (B1) ( <b>Riverine</b> )  ediment Deposits (B2) ( <b>Riverine</b> )  rift Deposits (B3) ( <b>Riverine</b> )  rainage Patterns (B10)  ry-Season Water Table (C2)
Depth (inches):	g Living Root	Secon W S D D D D D ts (C3) Ti	dary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7)
Depth (inches):	g Living Root C4)	Secon  — W  — S  — D  ✓ D  ts (C3) — Ti	Idary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)
Depth (inches):	g Living Root C4)	Secon  — W  — S  — D  ✓ D  ts (C3) — Ti  — C  26) ✓ S	Idary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)
Depth (inches):	g Living Root C4)	Secon  Secon  S  D  T  D  S  T  C  S  S  S  S  S  S  S  S  S  S  S  S	Idary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)
Depth (inches):	g Living Root C4)	Secon  Secon  S  D  T  D  S  T  C  S  S  S  S  S  S  S  S  S  S  S  S	Idary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)
Depth (inches):	g Living Root C4) owed Soils (C	Secon  Secon  S  D  T  D  S  T  C  S  S  S  S  S  S  S  S  S  S  S  S	Idary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)
Depth (inches):	g Living Root C4) owed Soils (C	Secon  Secon  S  D  T  D  S  T  C  S  S  S  S  S  S  S  S  S  S  S  S	Idary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)
Depth (inches):	g Living Root C4) owed Soils (C	Secon  — W  — S  — D  ✓ D  ts (C3) — Ti  — C  C6) ✓ S  — F	Idary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)  AC-Neutral Test (D5)
Depth (inches):	g Living Root C4) owed Soils (C	Secon  — W  — S  — D  ✓ D  ts (C3) — Ti  — C  C6) ✓ S  — F	Idary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)
Depth (inches):	g Living Root C4) owed Soils (C	Secon  — W  — S  — D  ✓ D  — C  (C3) — Ti  — C  (C6) ✓ S  — F  and Hydrology	Idary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)  AC-Neutral Test (D5)
Depth (inches):	g Living Root C4) owed Soils (C	Secon  — W  — S  — D  ✓ D  — C  (C3) — Ti  — C  (C6) ✓ S  — F  and Hydrology	Idary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)  AC-Neutral Test (D5)
Depth (inches):	g Living Root C4) owed Soils (C	Secon  — W  — S  — D  ✓ D  — C  (C3) — Ti  — C  (C6) ✓ S  — F  and Hydrology	Idary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)  AC-Neutral Test (D5)
Depth (inches):	g Living Root C4) owed Soils (C	Secon  — W  — S  — D  ts (C3) — Ti — C  C6) ✓ S — F  and Hydrology f available:	Idary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)  AC-Neutral Test (D5)
Depth (inches):	g Living Root C4) owed Soils (C	Secon  — W  — S  — D  ts (C3) — Ti — C  C6) ✓ S — F  and Hydrology f available:	Idary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (CS)  hallow Aquitard (D3)  AC-Neutral Test (D5)

WETLAND DETER	MINATIO	ON DATA	A FORM	– Arid West Region
Project/Site: Stonegate Property	(	City/County	: Chico/	Butte Sampling Date: 9/23/16
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u> Sampling Point: <u>47a</u>
Investigator(s): Meredith Branstad	;	Section, To	wnship, Ra	unge: Sec 31&32, Township 22North, Range 2E
Landform (hillslope, terrace, etc.): terrace				
Subregion (LRR): C				
Soil Map Unit Name: Wafap-Hamslough Complex, (				
Are climatic / hydrologic conditions on the site typical for this			,	
Are Vegetation, Soil, or Hydrology sig				
Are Vegetation, Soil, or Hydrology na				
SUMMARY OF FINDINGS – Attach site map s	nowing	sampiin	g point i	ocations, transects, important reatures, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wes   Yes   No  No  Wetland Hydrology Present?  Remarks:		I	ne Sampled iin a Wetlar	d Area nd? Yes <u>√</u> No
	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
2				Total Number of Dominant
3				Species Across All Strata:1 (B)
4Total Cover: Sapling/Shrub Stratum  1	0			Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)  Prevalence Index worksheet:
2.				Total % Cover of: Multiply by:
3				OBL species x 1 =
4				FACW species x 2 =
5				FAC species x 3 =
Total Cover: Herb Stratum	0			FACU species x 4 =
Hordeum marinum	85	Υ	FAC	UPL species x 5 =
Festuca perennis			FAC	Column Totals: (A) (B)
Eryngium vaseyi	_		FACW	Prevalence Index = B/A =
4. Centauria solstitialis	1	N	UPL	Hydrophytic Vegetation Indicators:
5. Avena fatua	1	N	<u>UPL</u>	✓ Dominance Test is >50%
6				Prevalence Index is ≤3.0 <sup>1</sup>
7				Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation (Explain)
Total Cover:	104			
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2.				be present.
Total Cover:				Hydrophytic
% Bare Ground in Herb Stratum % Cover	of Biotic Cr	rust	0	Vegetation Present? Yes _ ✓ No
Remarks:				

SOIL Sampling Point: 47a

Depth	<u>Matrix</u>			ox Features		. 🤊		
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-4	5YR 3/3	<u>85</u>	10R 4/8	10_	<u>C</u>	<u>M</u>	Clay loa	Prominent mottles
			soft masses	_ <u>5</u>	<u>C</u>	<u>M</u>		
		. ——						
							·	
	oncentration, D=Dep					e Lining, l		
	Indicators: (Applic	able to all	LRRs, unless othe	rwise note	ed.)		Indicators	for Problematic Hydric Soils <sup>3</sup> :
Histosol	. ,		Sandy Rec					Muck (A9) (LRR C)
	pipedon (A2)		Stripped M		(E4)			Muck (A10) (LRR B)
	istic (A3) en Sulfide (A4)		Loamy Mu Loamy Gle					ed Vertic (F18) arent Material (TF2)
	d Layers (A5) ( <b>LRR (</b>	2)	Depleted N		(12)			(Explain in Remarks)
	uck (A9) ( <b>LRR D</b> )	-,	Redox Dar		F6)			(Express in tremaine)
	d Below Dark Surfac	e (A11)	Depleted D					
	ark Surface (A12)		✓ Redox Dep		F8)			
	Mucky Mineral (S1)		Vernal Poo	ds (F9)				of hydrophytic vegetation and
	Gleyed Matrix (S4)						wetland	hydrology must be present.
Restrictive	Layer (if present):							
			<del></del>					- 10 11 1
Depth (in	ches):		<del></del>				Hydric Soil	Present? Yes No
Depth (in Remarks:	ches):		<del></del>				Hydric Soil	Present? Yes ✓ No
Depth (in	ches):		<del></del>				Hydric Soil	Present? Yes <u>√</u> No
Depth (in Remarks:	ches):		<del></del>				Hydric Soil	Present? Yes <u>√</u> No
Depth (in Remarks:	ches):		<del></del>				Hydric Soil	Present? Yes <u>√</u> No
Depth (in Remarks: In close)	d basin		<del></del>					
Depth (in Remarks: In close)	ches):d basin		<del></del>					Present? Yes _ ✓ No
Depth (in Remarks: In Close)  HYDROLO Wetland Hy	d basin						Seco	
Depth (in Remarks: In closed HYDROLO Wetland Hy Primary Indi	ches):d basin  GY  drology Indicators:			t (B11)			<u>Seco</u> l	ndary Indicators (2 or more required)
Depth (in Remarks: In closed)  HYDROLO  Wetland Hy  Primary Indi  Surface	d basin  GY  drology Indicators: cators (any one indic		icient)	` '			<u>Seco</u> l	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> )
Depth (in Remarks: In closed)  HYDROLO  Wetland Hy  Primary Indi  Surface	d basin  GGY  drology Indicators: cators (any one indic Water (A1) ater Table (A2)		icient)	ıst (B12)	s (B13)		<u>Seco</u> V S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> )
Depth (in Remarks: In Closed  HYDROLO  Wetland Hy  Primary Indi  Surface  High Wa  Saturati	d basin  GGY  drology Indicators: cators (any one indic Water (A1) ater Table (A2)	ator is suff	icient) Salt Crust Biotic Cru	ist (B12) ivertebrate			<u>Secon</u> V S E E	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine)
Depth (in Remarks: In Closed  HYDROLO  Wetland Hy  Primary Indi  Surface  High Water Mater	d basin  GY  drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3)	ator is suff	icient) Salt Crust Biotic Cru Aquatic Ir Hydrogen	ist (B12) overtebrate Sulfide Oc	lor (C1)	Living Ro	Secon V S E E E E	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) sediment Deposits (B2) ( <b>Riverine</b> ) vift Deposits (B3) ( <b>Riverine</b> ) varinage Patterns (B10)
Depth (in Remarks: In Closed  IYDROLO  Wetland Hy  Primary Indi  Surface  High Water Manner Mater Mater Mater Manner Mater Manner Mater Mater Manner Mater M	d basin  GY  drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3)  flarks (B1) (Nonriver)	ator is suff ine) nriverine)	icient) Salt Crust Biotic Cru Aquatic Ir Hydrogen	ist (B12) nvertebrate Sulfide Od Rhizosphei	lor (C1) es along	_	Secon V S C C C C cots (C3) T	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Rediment Deposits (B2) (Riverine) Prift Deposits (B3) (Riverine) Prainage Patterns (B10) Pry-Season Water Table (C2) Whin Muck Surface (C7) Prayfish Burrows (C8)
Depth (in Remarks: In Closed  HYDROLO  Wetland Hy  Primary Indi  Surface  High Water Mand Water Mand Sedime  Drift De  Surface	d basin  OGY  drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver int Deposits (B2) (Nor posits (B3) (Nonriver Soil Cracks (B6)	ator is suff ine) nriverine) rine)	icient)  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ire	est (B12) nvertebrate n Sulfide Od Rhizosphel of Reduce	lor (C1) es along d Iron (C	4)	Secon	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Originage Patterns (B10) Ory-Season Water Table (C2) In Muck Surface (C7) Orayfish Burrows (C8) Seaturation Visible on Aerial Imagery (C8)
Depth (in Remarks: In Closed  HYDROLO  Wetland Hy  Primary Indi  Surface High Water Manager Mater Mate	d basin  OGY  drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver int Deposits (B2) (Nor posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial I	ator is suff ine) nriverine) rine)	icient)  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ire	est (B12) evertebrates Sulfide Oc Rhizospher of Reduce on Reduction	lor (C1) es along d Iron (Co on in Ploy	4)	Secon	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Shin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Schallow Aquitard (D3)
Depth (in Remarks: In Closed  HYDROLO  Wetland Hy Primary Indi Surface High Water Mater Ma	d basin  GY  drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver int Deposits (B2) (Nor posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial I	ator is suff ine) nriverine) rine)	icient)  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ire	est (B12) evertebrates Sulfide Oc Rhizospher of Reduce on Reduction	lor (C1) es along d Iron (Co on in Ploy	4)	Secon	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Originage Patterns (B10) Ory-Season Water Table (C2) In Muck Surface (C7) Orayfish Burrows (C8) Seaturation Visible on Aerial Imagery (C8)
Depth (in Remarks: In Closed  IYDROLO  Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser	d basin  GY  drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver int Deposits (B2) (Non posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial I Stained Leaves (B9) evations:	ator is suff ine) nriverine) rine) magery (B	icient)  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Irc 7) Other (Ex	ist (B12) nvertebrate: Sulfide Oc Rhizosphei of Reduce on Reduction plain in Re	lor (C1) res along d Iron (Co on in Plov marks)	4) ved Soils	Secon	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Shin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Schallow Aquitard (D3)
Depth (in Remarks: In Closed  HYDROLO  Wetland Hy Primary Indi Surface High Water Mater Ma	d basin  OGY  drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveri nt Deposits (B2) (Non posits (B3) (Nonriveri Soil Cracks (B6) ion Visible on Aerial I Stained Leaves (B9) vations: ter Present?	ator is suff ine) nriverine) rine) magery (B	icient)  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Iro 7) Other (Ex	ist (B12) nvertebrate: Sulfide Oc Rhizosphei of Reduce on Reduction plain in Re	dor (C1) res along d Iron (Co on in Ploy marks)	4) ved Soils	Secon	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Shin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Schallow Aquitard (D3)
Depth (in Remarks: In Closed  IYDROLO  Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser	d basin  OGY  drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveri nt Deposits (B2) (Non posits (B3) (Nonriveri Soil Cracks (B6) ion Visible on Aerial I Stained Leaves (B9) vations: ter Present?	ator is suff ine) nriverine) rine) magery (B	icient)  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Irc 7) Other (Ex	ist (B12) nvertebrate: Sulfide Oc Rhizosphei of Reduce on Reduction plain in Re	dor (C1) res along d Iron (Co on in Ploy marks)	4) wed Soils	Secon  V  S  C  C  Ots (C3)   C  (C6)   S  C  C  C  C  C  C  C  C  C  C  C  C	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Water Marks (B3) (Riverine) Water Deposits (B3) (Riverine) Water Deposits (B3) (Riverine) Water Table (C2) Water Table (C2) Water Table (C2) Water Table (C3) Water Table (C4) Water Table (C4) Water Table (C4) Water Table (C5) Wa
Depth (in Remarks: In Close)  HYDROLO  Wetland Hy Primary Indi Surface High Water Mater Mater Mater Mater Mater Mater Surface Inundati Water Surface Surface Water Surface Water Table Saturation F	d basin  OGY  drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver int Deposits (B2) (Non posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial I Stained Leaves (B9) vations: ter Present?  Present?  Y	ator is suff ine) nriverine) rine) magery (B	icient)  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Iro 7) Other (Ex	ast (B12) avertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Re anches):	lor (C1) res along d Iron (Co on in Ploy marks)	4) wed Soils	Secon  V  S  C  C  Ots (C3)   C  (C6)   S  C  C  C  C  C  C  C  C  C  C  C  C	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Shin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Schallow Aquitard (D3)
Depth (in Remarks: In Close)  In Close)  In Close)  In Close)  Wetland Hy Primary Indi  Surface  High Water Management of the Sedime of the Inundati  Water Sedime of the Water Sedime of the Sedime o	d basin  OGY  drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveri nt Deposits (B2) (Non posits (B3) (Nonriveri Soil Cracks (B6) ion Visible on Aerial I Stained Leaves (B9) vations: ter Present? Present? Y Present? Y Present? Y Present? Y	ator is suff ine) nriverine) rine) magery (B	icient)  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ird Other (Ex	ist (B12) nvertebrate: i Sulfide Oc Rhizosphei of Reduce on Reduction plain in Re inches): inches): inches):	es along d Iron (C- on in Plov marks)	4) ved Soils	Secon	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Water Marks (B3) (Riverine) Water Deposits (B3) (Riverine) Water Deposits (B3) (Riverine) Water Table (C2) Water Table (C2) Water Table (C2) Water Table (C3) Water Table (C4) Water Table (C4) Water Table (C4) Water Table (C5) Wa
Depth (in Remarks: In Close)  In Close)  In Close)  In Close)  Wetland Hy Primary Indi  Surface  High Water Management of the Sedime of the Inundati  Water Sedime of the Water Sedime of the Sedime o	d basin  OGY  drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver int Deposits (B2) (Non posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial I Stained Leaves (B9) vations: ter Present?  Present?  Y	ator is suff ine) nriverine) rine) magery (B	icient)  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ird Other (Ex	ist (B12) nvertebrate: i Sulfide Oc Rhizosphei of Reduce on Reduction plain in Re inches): inches): inches):	es along d Iron (C- on in Plov marks)	4) ved Soils	Secon	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Water Marks (B3) (Riverine) Water Deposits (B3) (Riverine) Water Deposits (B3) (Riverine) Water Table (C2) Water Table (C2) Water Table (C2) Water Table (C3) Water Table (C4) Water Table (C4) Water Table (C4) Water Table (C5) Wa
Depth (in Remarks: In Close)  In Close  In Clo	d basin  OGY  drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveri nt Deposits (B2) (Non posits (B3) (Nonriveri Soil Cracks (B6) ion Visible on Aerial I Stained Leaves (B9) vations: ter Present? Present? Y Present? Y Present? Y Present? Y	ator is suff ine) nriverine) rine) magery (B	icient)  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ird Other (Ex	ist (B12) nvertebrate: i Sulfide Oc Rhizosphei of Reduce on Reduction plain in Re inches): inches): inches):	es along d Iron (C- on in Plov marks)	4) ved Soils	Secon	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Water Marks (B3) (Riverine) Water Deposits (B3) (Riverine) Water Deposits (B3) (Riverine) Water Table (C2) Water Table (C2) Water Table (C2) Water Table (C3) Water Table (C4) Water Table (C4) Water Table (C4) Water Table (C5) Wa
Depth (in Remarks: In Close)  In Close of the Close of th	d basin  OGY  drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver int Deposits (B2) (Non posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial I Stained Leaves (B9) vations: ere Present? Present? Y Pr	ator is suff ine) nriverine) magery (B es es gauge, magery magery magery	icient)  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Iro Other (Ex	ist (B12) nvertebrate: i Sulfide Oc Rhizosphei of Reduce on Reduction plain in Re inches): inches): inches):	es along d Iron (C- on in Plov marks)	4) ved Soils	Secon	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Water Marks (B3) (Riverine) Water Deposits (B3) (Riverine) Water Deposits (B3) (Riverine) Water Table (C2) Water Table (C2) Water Table (C2) Water Table (C3) Water Table (C4) Water Table (C4) Water Table (C4) Water Table (C5) Wa
Depth (in Remarks: In Close)  In Close of the Close of th	d basin  OGY  drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveri nt Deposits (B2) (Non posits (B3) (Nonriveri Soil Cracks (B6) ion Visible on Aerial I Stained Leaves (B9) vations: ter Present? Present? Y Present? Y Present? Y Present? Y	ator is suff ine) nriverine) magery (B es es gauge, magery magery magery	icient)  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Iro Other (Ex	ist (B12) nvertebrate: i Sulfide Oc Rhizosphei of Reduce on Reduction plain in Re inches): inches): inches):	es along d Iron (C- on in Plov marks)	4) ved Soils	Secon	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Water Marks (B3) (Riverine) Water Deposits (B3) (Riverine) Water Deposits (B3) (Riverine) Water Table (C2) Water Table (C2) Water Table (C2) Water Table (C3) Water Table (C4) Water Table (C4) Water Table (C4) Water Table (C5) Wa
Depth (in Remarks: In Close)  IYDROLO  Wetland Hy Primary Indi Surface High Water Mandati Vater Mater Surface Inundati Water-S Field Obser Surface Water Table Saturation Perincludes can Describe Reservance Remarks:	d basin  OGY  drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver int Deposits (B2) (Non posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial I Stained Leaves (B9) vations: ere Present? Present? Y Pr	ator is suff ine) nriverine) magery (B es es gauge, magery magery magery	icient)  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Iro Other (Ex	ist (B12) nvertebrate: i Sulfide Oc Rhizosphei of Reduce on Reduction plain in Re inches): inches): inches):	es along d Iron (C- on in Plov marks)	4) ved Soils	Secon	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Water Marks (B3) (Riverine) Water Deposits (B3) (Riverine) Water Deposits (B3) (Riverine) Water Table (C2) Water Table (C2) Water Table (C2) Water Table (C3) Water Table (C4) Water Table (C4) Water Table (C4) Water Table (C5) Wa

WEILAND DETER	IVIIIVA I IÇ	JN DA IA	A FURIVI	– Aria west Region	i
Project/Site: Stonegate Property		City/County	: Chico/	Butte	Sampling Date: <u>9/23/16</u>
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u>	Sampling Point: 47b
Investigator(s): Meredith Branstad	;	Section, To	wnship, Ra	nge: <u>Sec 31&amp;32, To</u>	wnship 22North, Range 2
Landform (hillslope, terrace, etc.): terrace		Local reliet	(concave,	convex, none): CONCAV	e Slope (%): 1
Subregion (LRR): C	Lat: <u>39.</u>	7238		_ Long: <u>-121.7850</u>	Datum: <u>NAD 83</u>
Soil Map Unit Name: Wafap-Hamslough Complex, (					
Are climatic / hydrologic conditions on the site typical for this			,		
Are Vegetation, Soil, or Hydrology sig					
Are Vegetation, Soil, or Hydrology na					
SUMMARY OF FINDINGS – Attach site map s					
Attach site map s	nowing		g pomit i	ocations, transcots	, important reatures, et
Hydrophytic Vegetation Present? Yes No		Is th	e Sampled	l Area	
Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No		with	in a Wetlar	nd? Yes	No <u></u>
Remarks:					
VECETATION					
VEGETATION	Absolute	Deminent	In disator	Dominana Taat warl	roh a st.
		Dominant Species?		Dominance Test work  Number of Dominant S	
1					or FAC: (A)
2				Total Number of Domir	nant
3				Species Across All Stra	ata: (B)
4				Percent of Dominant S	pecies
Total Cover: Sapling/Shrub Stratum				That Are OBL, FACW,	or FAC:100 (A/B
1				Prevalence Index wor	ksheet:
2					Multiply by:
3					x 1 =
4					x 2 =
5Total Cover:					x 3 = x 4 =
Herb Stratum					x 5 =
1. Hordeum marinum			FAC		(A) (B)
Festuca perennis			FAC		
3. Avena fatua			<u>UPL</u>		r = B/A =
4				Hydrophytic Vegetati Dominance Test is	
5				Prevalence Index i	
6					ptations <sup>1</sup> (Provide supporting
8				data in Remark	s or on a separate sheet)
Total Cover:				Problematic Hydro	phytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum				1	31 d
1				be present.	il and wetland hydrology must
2Total Cover:				Hydrophytic	
			•	Vegetation	,
% Bare Ground in Herb Stratum % Cover	of Biotic Cr	ust	0	Present? Ye	es No
Remarks:					

SOIL Sampling Point: 47b

Depth (inches)	Matrix Color (moist)	%	Color (moist)	%	_Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-4	5YR 3/3	96	2.5YR 4/6	2	С	PL	Clay loan	Prominent mottles
			Soft masses					
		·						
	-							
	-							
	· -							
	Concentration, D=Dep Indicators: (Application)					re Lining, F		nel, M=Matrix.  for Problematic Hydric Soils <sup>3</sup> :
Histoso		able to all	Sandy Red		u.,			Muck (A9) (LRR C)
_	pipedon (A2)		Stripped Ma					Muck (A10) (LRR B)
	listic (A3)		Loamy Mud	, ,	(F1)		_	ed Vertic (F18)
Hydrog	en Sulfide (A4)		Loamy Gle	yed Matrix	(F2)		Red Pa	arent Material (TF2)
	d Layers (A5) (LRR 0	C)	Depleted M				Other	(Explain in Remarks)
	uck (A9) ( <b>LRR D</b> )	~ (044)	Redox Dark	,	,			
	ed Below Dark Surfact ark Surface (A12)	e (ATT)	Depleted D Redox Dep					
	Mucky Mineral (S1)		Vernal Poo		0,		3Indicators	of hydrophytic vegetation and
	Gleyed Matrix (S4)		<del></del>	,				hydrology must be present.
Restrictive	Layer (if present):							
Type:								
Depth (in	nches):						Hydric Soil	Present? Yes No <u>√</u>
Depth (in	nches):						Hydric Soil	Present? Yes No <u>√</u>
Depth (in Remarks:	oches):							
Depth (in Remarks: YDROLO	OGY rdrology Indicators:						Secon	ndary Indicators (2 or more required)
Depth (in Remarks: YDROLC Wetland Hy Primary Indi	OGY rdrology Indicators:		icient)	(P11)			Secon W	ndary Indicators (2 or more required) /ater Marks (B1) ( <b>Riverine</b> )
Depth (in Remarks: YDROLO Wetland Hy Primary Indi	OGY rdrology Indicators: cators (any one indicators)		icient) Salt Crust	,			<u>Secor</u> W S	ndary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine)
Depth (in Remarks: YDROLO Wetland Hy Primary Indi Surface High W	OGY rdrology Indicators: cators (any one indicators) Water (A1) ater Table (A2)		icient) Salt Crust Biotic Cru	st (B12)	s (B13)		<u>Secor</u> W S	ndary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine)
Depth (in Remarks:  YDROLO  Wetland Hy  Primary Indi  Surface  High W:  Saturati	oddy oddy oddology Indicators: cators (any one indicators) Water (A1) ater Table (A2) ion (A3)	ator is suff	icient) Salt Crust Biotic Cru Aquatic In	st (B12) vertebrates				ndary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rrift Deposits (B3) (Riverine) rrainage Patterns (B10)
Depth (in Remarks:  YDROLO Wetland Hy Primary Indi Surface High Water Mater Ma	OGY rdrology Indicators: cators (any one indicators) Water (A1) ater Table (A2)	ator is suff	icient) Salt Crust Biotic Cru Aquatic In Hydrogen	st (B12) vertebrates Sulfide Od	or (C1)	Living Roc		ndary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine)
Depth (in Remarks:  YDROLO Wetland Hy Primary Indi Surface High W. Saturati Water M Sedime	oches):	ator is suff ine) nriverine)	icient) Salt Crust Biotic Cru Aquatic In Hydrogen	st (B12) vertebrates Sulfide Od Rhizospher	or (C1) es along	_	Secor — W — S — D — D — Dots (C3) — T	ndary Indicators (2 or more required) /ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> ) rift Deposits (B3) ( <b>Riverine</b> ) rainage Patterns (B10) ry-Season Water Table (C2)
Depth (in Remarks:  YDROLO Wetland Hy Primary Indi Surface High W: Saturati Water M Sedime Drift De	oches):	ator is suff ine) nriverine)	icient) Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Iro	st (B12) vertebrates Sulfide Od Rhizospher of Reduces on Reduction	or (C1) es along d Iron (C on in Ploy	4)	Secor W S D D ots (C3) T	adary Indicators (2 or more required)  Jater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  hin Muck Surface (C7)
Primary Indi Surface High Water M Sedime Drift De Surface Inundat	ordes):	ator is suff ine) nriverine)	icient) Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Iro	st (B12) vertebrates Sulfide Od Rhizospher of Reduces on Reduction	or (C1) es along d Iron (C on in Ploy	4)	Secor W S D D D D C C C S	ndary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)
Primary Indi Saturati Water M Sedime Drift De Surface Inundat Water-S	ordes):	ator is suff ine) nriverine)	icient) Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Iro	st (B12) vertebrates Sulfide Od Rhizospher of Reduces on Reduction	or (C1) es along d Iron (C on in Ploy	4)	Secor W S D D D D C C C S	ndary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)
Primary Indi Saturati Water M Sedime Drift De Surface High W: Saturati Water M Sedime Drift De Surface Inundat Water-S Field Obser	rdrology Indicators: cators (any one indicators) Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonriver) int Deposits (B2) (Nonriver) e Soil Cracks (B6) ion Visible on Aerial I Stained Leaves (B9) rvations:	ator is suff ine) nriverine) rine) magery (B	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Ird 7) Other (Ex	st (B12) vertebrates Sulfide Od Rhizospher of Reduces on Reduction	or (C1) es along d Iron (C on in Ploy marks)	4) wed Soils (	Secor W S D D D D C C C S	ndary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)
Depth (in Remarks:  YDROLO Wetland Hy Primary Indi Surface High W: Saturati Water M Sedime Drift De Surface Inundat Water-S Field Obsel	rdrology Indicators: cators (any one indicators (any one indicators) Water (A1) ater Table (A2) con (A3) Marks (B1) (Nonriveriant Deposits (B2) (Nonriveriant Deposits (B3) (Nonriveriant Deposits (B6) ion Visible on Aerial I Stained Leaves (B9) rvations: ter Present?	ator is suff ine) nriverine) rine) magery (B	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized If Presence Recent Irc 7) Other (Ex	st (B12) vertebrates Sulfide Od Rhizospher of Reduces on Reduction blain in Res ches):	or (C1) es along d Iron (C on in Ploy marks)	4) wed Soils (	Secor W S D D D D C C C S	ndary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)
Depth (in Remarks:  YDROLO Wetland Hy Primary Indi Surface High W Saturati Water M Sedime Drift De Surface Inundat Water-S Field Obset Surface Water	ordes):  ordes):  ordesology Indicators:  cators (any one indicators):  ordesology Indicators:  ordeso	ator is suff ine) nriverine) rine) magery (B	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized If Presence Recent Iro 7) Other (Ex	st (B12) vertebrates Sulfide Od Rhizospher of Reduces on Reduction clain in Ref ches): ches):	or (C1) es along d Iron (C on in Ploy marks)	4) wed Soils (	Secor  — W  — S  — D  ✓ D  — Dots (C3) — T  — C  C6) — S  — F	Indary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  rry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)  AC-Neutral Test (D5)
Depth (in Remarks:  YDROLO Wetland Hy Primary Indi Surface High W. Saturati Water M. Sedime Drift De Surface Inundat Water-S Field Obset Surface Water Table Saturation F	ordes):  ordes):  ordesology Indicators:  cators (any one indicators):  ordesology Indicators:  ordeso	ator is suff ine) nriverine) rine) magery (B	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized If Presence Recent Irc 7) Other (Ex	st (B12) vertebrates Sulfide Od Rhizospher of Reduces on Reduction clain in Ref ches): ches):	or (C1) es along d Iron (C on in Ploy marks)	4) wed Soils (	Secor  — W  — S  — D  ✓ D  — Dots (C3) — T  — C  C6) — S  — F	ndary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)
Depth (in Remarks:  YDROLO Wetland Hy Primary Indi Surface High W: Saturati Water M Sedime Drift De Surface Inundat Water-S Field Obsel Surface Water Table Saturation F (includes ca	ordes):  ordes):  ordesology Indicators:  cators (any one indicators):  ordesology Indicators:  ordeso	ator is suff ine) nriverine) magery (B es es	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized If Presence Recent Irc 7) Other (Exp	st (B12) vertebrates Sulfide Od Rhizospher of Reduce on Reductio plain in Ref ches): ches):	or (C1) es along d Iron (C on in Plov marks)	4) wed Soils (	Secor  — W — S — D  ✓ D  ots (C3) — T — C  C6) — S — F  and Hydrolog	Indary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  rry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)  AC-Neutral Test (D5)
Depth (in Remarks:  YDROLO  Wetland Hy Primary Indi Surface High W: Saturati Water M Sedime Drift De Surface Inundat Water-S Field Obsel Surface Wat Water Table Saturation Fincludes ca	ordes):  ordes):  ordesolve drology Indicators:  ordesolve dro	ator is suff ine) nriverine) magery (B es es	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized If Presence Recent Irc 7) Other (Exp	st (B12) vertebrates Sulfide Od Rhizospher of Reduce on Reductio plain in Ref ches): ches):	or (C1) es along d Iron (C on in Plov marks)	4) wed Soils (	Secor  — W — S — D  ✓ D  ots (C3) — T — C  C6) — S — F  and Hydrolog	Indary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  rry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)  AC-Neutral Test (D5)
Depth (in Remarks:  YDROLO  Wetland Hy Primary Indi Surface High W: Saturati Water M Sedime Drift De Surface Inundat Water-S Field Obsel Surface Wat Water Table Saturation Fincludes ca	ordes):  ordes):  ordesolve drology Indicators:  ordesolve dro	ator is suff ine) nriverine) magery (B es es	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized If Presence Recent Irc 7) Other (Exp	st (B12) vertebrates Sulfide Od Rhizospher of Reduce on Reductio plain in Ref ches): ches):	or (C1) es along d Iron (C on in Plov marks)	4) wed Soils (	Secor  — W — S — D  ✓ D  ots (C3) — T — C  C6) — S — F  and Hydrolog	Indary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  rry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)  AC-Neutral Test (D5)
Depth (in Remarks:  YDROLO  Vetland Hy Primary Indi Surface High W: Saturati Water M Sedime Drift De Surface Inundat Water-S Field Obsel Saturation Fincludes ca Describe Re	pogy  redrology Indicators: reators (any one indicators) water (A1) ater Table (A2) redrology Indicators: water (A1) ater Table (A2) redrology Indicators: water (A1) ater Table (A2) redrology Indicators: water (A2) redrology Indicators: water (A2) redrology Indicators: water (A2) reposits (B3) (Nonriver) resoits (B3) (Nonriver) resoits (B3) (Nonriver) resoits (B3) (Nonriver) redrology Indicators redrology	ator is suff ine) nriverine) magery (B es es gauge, me	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized If Presence Recent Irc 7) Other (Exp No Depth (in No Depth (in No Depth (in onitoring well, aerial	st (B12) vertebrates Sulfide Od Rhizospher of Reduces on Reduction ches): ches): photos, pre	or (C1) es along d Iron (C on in Ploy marks)	4) wed Soils (	Secor  — W — S — D  ✓ D  ots (C3) — T — C  C6) — S — F.  and Hydrolog:	Indary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  rry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)  AC-Neutral Test (D5)
Depth (in Remarks:  YDROLO  Yetland Hy  Primary Indi Surface High W. Saturati Water M. Sedime Drift De Surface Inundat Water-S  Field Observater Table Saturation Fincludes ca Describe Res  Remarks:  n topoo	pogy  redrology Indicators: reators (any one indicators) water (A1) ater Table (A2) redrology Indicators: water (A1) ater Table (A2) redrology Indicators: water (A1) ater Table (A2) redrology Indicators: water (A2) redrology Indicators: water (A2) redrology Indicators: water (A2) reposits (B3) (Nonriver) resoits (B3) (Nonriver) resoits (B3) (Nonriver) resoits (B3) (Nonriver) redrology Indicators redrology	ator is suff  ine) nriverine) rine) magery (B es es gauge, ma	icient)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized If Presence Recent Irc Other (Ex	st (B12) vertebrates Sulfide Od Rhizospher of Reduces on Reduction ches): ches): photos, pre	or (C1) es along d Iron (C on in Ploy marks)	4) wed Soils (	Secor  — W — S — D  ✓ D  ots (C3) — T — C  C6) — S — F.  and Hydrolog:	indary Indicators (2 or more required)  /ater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  hin Muck Surface (C7)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)  AC-Neutral Test (D5)

WETLAND DETER	MINATIO	ON DAT	A FORM	– Arid West Region
Project/Site: Stonegate Property	(	City/County	r: Chico/	Butte Sampling Date: 9/23/16
Applicant/Owner: Epick Homes, Inc.				State: CA Sampling Point: 48a
Investigator(s): Meredith Branstad	;	Section, To	wnship, Ra	inge: Sec 31&32, Township 22North, Range 2F
Landform (hillslope, terrace, etc.): terrace				- · · · · · · · · · · · · · · · · · · ·
Subregion (LRR): C				
Soil Map Unit Name: Redtough-Reedswale Complex				
Are climatic / hydrologic conditions on the site typical for this t				
Are Vegetation, Soil, or Hydrology sig				
Are Vegetation, Soil, or Hydrology na				
SUMMARY OF FINDINGS – Attach site map s				
Solvinari of Findings - Attach site maps	nowing	Sampin	ig politi	ocations, transects, important reatures, etc.
Hydrophytic Vegetation Present? Yes ✓ No Hydric Soil Present? Yes ✓ No Wetland Hydrology Present? Yes ✓ No Remarks:		I	ne Sampleo nin a Wetlar	d Area nd? Yes <u>√</u> No
	Absolute % Cover	Dominant Species?	Indicator	Dominance Test worksheet:  Number of Dominant Species
1				That Are OBL, FACW, or FAC:1 (A)
2				Total Number of Dominant
3				Species Across All Strata:1 (B)
4Total Cover: Sapling/Shrub Stratum  1				Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)  Prevalence Index worksheet:
2				Total % Cover of:Multiply by:
3				OBL species x 1 = FACW species x 2 =
4.       5.				FAC species x 3 =
Total Cover:				FACU species x 4 =
Herb Stratum				UPL species x 5 =
1. Hordeum marinum		Y	FAC	Column Totals: (A) (B)
2. Festuca perennis			FAC	Drawalence Index - D/A -
3. <u>Tritileia hyancinthina</u>			FAC	Prevalence Index = B/A =  Hydrophytic Vegetation Indicators:
4. Bromus hordeaceus			<u>FACU</u>	✓ Dominance Test is >50%
5 6				Prevalence Index is ≤3.01
7				Morphological Adaptations <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
Total Cover:				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum				16.45.45.45.45.45.45.45.45.45.45.45.45.45.
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present.
2			·	Hydrophytic
Total Cover:				Vegetation
% Bare Ground in Herb Stratum5 % Cover of	of Biotic Cr	rust	0_	Present? Yes <u>√</u> No
Remarks:				

SOIL Sampling Point: 48a

Profile Desc	cription: (Descri	be to the dep	th needed to docu	ment the i	ndicator	or confir	m the absence	e of indicators.)
Depth	Matri		Redo	x Features	<u> </u>		_	
(inches)	Color (moist)		Color (moist)	%	_Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks Remarks
0-4	7.5YR 3/2	90	2.5YR 4/8	6	C	<u>M</u>	<u>loam</u>	Prominent mottles
			soft masses	4	С	M		
			COTT MIGGGGG	<del></del>			_	
						-	_	· <del></del>
							_	
						-	_	
							_	
						_	_	
<sup>1</sup> Type: C=C	oncentration, D=[	Depletion, RM:	=Reduced Matrix.	<sup>2</sup> Location	: PL=Pc	re Lining,	RC=Root Char	nnel, M=Matrix.
			LRRs, unless othe					s for Problematic Hydric Soils <sup>3</sup> :
Histosol	I (A1)		Sandy Red	ox (S5)			1 cm	Muck (A9) (LRR C)
Histic E	pipedon (A2)		Stripped Ma					Muck (A10) (LRR B)
Black H	istic (A3)		Loamy Mud	ky Minera	l (F1)		Redu	ced Vertic (F18)
Hydroge	en Sulfide (A4)		Loamy Gle	yed Matrix	(F2)		Red F	Parent Material (TF2)
	d Layers (A5) ( <b>LF</b>	RR C)	Depleted M				Other	(Explain in Remarks)
	uck (A9) ( <b>LRR D</b> )		Redox Dark					
	d Below Dark Sur		Depleted D		. ,			
	ark Surface (A12)		✓ Redox Dep		F8)		3	
	Mucky Mineral (S1		Vernal Poo	ls (F9)				s of hydrophytic vegetation and
	Gleyed Matrix (S4						wetlan	d hydrology must be present.
	Layer (if present							
Type:								,
Depth (in	ches):						Hydric Soi	I Present? Yes No
Remarks:								
In close	d depressio	n.						
	•							
HVDDOLO	·CV							
HYDROLO								
Wetland Hy	drology Indicato	rs:						ndary Indicators (2 or more required)
Primary Indi	cators (any one in	idicator is suff	icient)					Water Marks (B1) ( <b>Riverine</b> )
Surface	Water (A1)		Salt Crust	(B11)			;	Sediment Deposits (B2) (Riverine)
High Wa	ater Table (A2)		Biotic Cru	st (B12)				Drift Deposits (B3) ( <b>Riverine</b> )
Saturati	on (A3)		Aquatic In	vertebrate	s (B13)		1	Drainage Patterns (B10)
Water N	Marks (B1) ( <b>Nonri</b>	verine)	Hydrogen	Sulfide Od	dor (C1)		!	Dry-Season Water Table (C2)
Sedime	nt Deposits (B2) (	Nonriverine)	Oxidized F	Rhizosphe	res along	Living Ro	oots (C3)	Thin Muck Surface (C7)
Drift De	posits (B3) ( <b>Nonr</b>	iverine)	Presence	of Reduce	d Iron (C	(4)	(	Crayfish Burrows (C8)
Surface	Soil Cracks (B6)		Recent Iro	n Reductio	on in Plo	wed Soils	(C6) <u>√</u> ;	Saturation Visible on Aerial Imagery (C9)
Inundati	ion Visible on Aer	ial Imagery (B	7) Other (Ex	olain in Re	marks)			Shallow Aquitard (D3)
	Stained Leaves (B							FAC-Neutral Test (D5)
Field Obser		,						· , ,
Surface Wat	er Present?	Yes	No Depth (in	ches):				
			No Depth (in					
Water Table							41 1 1 1 1 1 1	
Saturation P	resent? pillary fringe)	Yes	No Depth (in	cnes):		we	tiana Hyarolog	gy Present? Yes <u>√</u> No
		am gauge, mo	onitoring well, aerial	photos, pr	evious in	spections	), if available:	
	,		,			•		
Remarks:								
In topog	ıraphic depr	ession.						

WETLAND DETER	MINATIO	ON DATA	A FORM	– Arid West Region	
Project/Site: Stonegate Property	(	City/County	: Chico/	Butte Sampling Date: 9/23/16	
Applicant/Owner: Epick Homes, Inc.				State: CA Sampling Point: 49b	
Investigator(s): Meredith Branstad					
Landform (hillslope, terrace, etc.): Terrace					
Subregion (LRR): C					
Soil Map Unit Name: Redtough-Redswale Complex					
Are climatic / hydrologic conditions on the site typical for this				-	
Are Vegetation, Soil, or Hydrology signature sig					
					4.
SUMMARY OF FINDINGS – Attach site map s	nowing	Sampiin	g pomit i	ocations, transects, important reatures, e	ıc.
Hydrophytic Vegetation Present? Yes ✓ No Hydric Soil Present? Yes _ No Wetland Hydrology Present? Yes ✓ No Remarks:	$\checkmark$		ie Sampled in a Wetlar	d Area nd? Yes No <u>√</u>	
Tree Stratum (Use scientific names.)		Species?		Dominance Test worksheet:  Number of Dominant Species	
1				That Are OBL, FACW, or FAC: (A)	
2 3				Total Number of Dominant Species Across All Strata:3(B)	
4.				Species Across All Strata:3(B)	
Total Cover: Sapling/Shrub Stratum  1	0			Percent of Dominant Species That Are OBL, FACW, or FAC: 67  Prevalence Index worksheet:	B)
2				Total % Cover of: Multiply by:	
3				OBL species x 1 =	
4				FACW species x 2 =	
5				FAC species x 3 =	
Total Cover:	0			FACU species x 4 =	
Eryngium vaseyi	5	Ν	FACW	UPL species x 5 =	2)
Festuca perennis			FAC	Column Totals: (A) (B	5)
3. Hordeum marinum			FAC	Prevalence Index = B/A =	
4. Elymus caput-medusae		Υ	UPL	Hydrophytic Vegetation Indicators:	
5				✓ Dominance Test is >50%	
6				Prevalence Index is ≤3.0 <sup>1</sup>	
7				Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)	
8				Problematic Hydrophytic Vegetation (Explain)	
Total Cover:	100				
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must	
2				be present.	
Total Cover:				Hydrophytic	
% Bare Ground in Herb Stratum % Cover 6			0	Vegetation Present? Yes _ ✓ No	
Remarks:			<del></del> _		
Nonidario.					

SOIL Sampling Point: 49b

Depth Matrix Redox Features	1 1 - 2	T4	Damanda
(inches) Color (moist) % Color (moist) % Type			Remarks
0-4 7.5YR 2.5/3 5YR 4/6 10 C	<u>M</u>	<u>loam</u>	Prominent mottles
<u>Soft masses</u> <u>3</u> _C	<u>M</u>		
Type: C=Concentration, D=Depletion, RM=Reduced Matrix. <sup>2</sup> Location: PL=F	ore Lining, I		
lydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)			for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Sandy Redox (S5)			Muck (A9) (LRR C)
Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1)			Muck (A10) ( <b>LRR B</b> ) sed Vertic (F18)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)			arent Material (TF2)
Stratified Layers (A5) (LRR C) Depleted Matrix (F3)			(Explain in Remarks)
1 cm Muck (A9) (LRR D) Redox Dark Surface (F6)			,
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)			
Thick Dark Surface (A12) Redox Depressions (F8)		9.	
Sandy Mucky Mineral (S1) Vernal Pools (F9)			of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)		wetland	hydrology must be present.
Restrictive Layer (if present):			
Type:			B (0 V )
Depth (inches):		Hydric Soil	Present? Yes No✓
Depth (inches):Remarks:  Not in closed depression.		Hydric Soil	Present? Yes No <u></u> ✓
Depth (inches): Remarks: Not in closed depression.  YDROLOGY			
Depth (inches): Remarks: Not in closed depression.  YDROLOGY Wetland Hydrology Indicators:		Secon	ndary Indicators (2 or more required)
Depth (inches): Remarks: Not in closed depression.  YDROLOGY  Vetland Hydrology Indicators: Primary Indicators (any one indicator is sufficient)		<u>Secor</u> V	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> )
Depth (inches):		<u>Secor</u> V S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> )
Depth (inches):		<u>Secor</u> V S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Vrift Deposits (B3) ( <b>Riverine</b> )
Depth (inches):		Secon V S C	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10)
Depth (inches):	)	Secor V S C C C C	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2)
Depth (inches):	) ng Living Ro	Secor	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Whin Muck Surface (C7)
Depth (inches):	) ng Living Ro C4)	Secor	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Orihin Muck Surface (C7) Orayfish Burrows (C8)
Depth (inches):	) ng Living Ro C4)	Secor	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Orighin Muck Surface (C7) Orayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8)
Depth (inches):	) ng Living Ro C4)	Secon V S C C C C C C C C C C C C S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Shin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3)
Depth (inches):	) ng Living Ro C4)	Secon V S C C C C C C C C C C C C S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Orighin Muck Surface (C7) Orayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8)
Depth (inches):	) ng Living Ro C4) owed Soils (	Secon V S C C C C C C C C C C C C S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Shin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3)
Depth (inches):	) ng Living Ro C4) owed Soils (	Secon V S C C C C C C C C C C C C S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Shin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3)
Depth (inches):	) ng Living Ro C4) owed Soils (	Secor  V S CC3)  CC6)  S S CC6 S S S S S S S S S S S S S S S	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Originage Patterns (B10) Ory-Season Water Table (C2) Original Muck Surface (C7) Orayfish Burrows (C8) Seaturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) CAC-Neutral Test (D5)
Depth (inches):	) ng Living Ro C4) owed Soils (	Secor	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Shin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3)
Depth (inches):  Remarks:  Not in closed depression.  Primary Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Yes  No  Depth (inches):  Saturation Present?  Yes  No  Depth (inches):	) ng Living Ro C4) owed Soils (	Secor	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Originage Patterns (B10) Ory-Season Water Table (C2) Original Muck Surface (C7) Orayfish Burrows (C8) Seaturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) CAC-Neutral Test (D5)
Depth (inches):	) ng Living Ro C4) owed Soils (	Secor	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Originage Patterns (B10) Ory-Season Water Table (C2) Original Muck Surface (C7) Orayfish Burrows (C8) Seaturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) CAC-Neutral Test (D5)
Depth (inches):	) ng Living Ro C4) owed Soils (	Secor	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Originage Patterns (B10) Ory-Season Water Table (C2) Original Muck Surface (C7) Orayfish Burrows (C8) Seaturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) CAC-Neutral Test (D5)
Depth (inches):	) ng Living Ro C4) owed Soils (	Secor 	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Orinin Muck Surface (C7) Orayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) SAC-Neutral Test (D5)  y Present? Yes ✓ No
Depth (inches):	ng Living Ro C4) owed Soils ( Wet nspections)	Secor 	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Originage Patterns (B10) Ory-Season Water Table (C2) Original Muck Surface (C7) Orayfish Burrows (C8) Seaturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) Orayfish Control Test (D5)  The Present? Yes Very No

WETLAND DETER	MINATIC	ON DAT	A FORM	– Arid West Region
Project/Site: Stonegate Property	(	City/County	y: Chico/	Butte Sampling Date: 9/23/16
Applicant/Owner: Epick Homes, Inc.				State: CA Sampling Point: 50b
•				nge: Sec 31&32, Township 22North, Range 2E
Landform (hillslope, terrace, etc.): terrace				
Subregion (LRR): C			•	
Soil Map Unit Name: Redtough-Redswale Complex,				
Are climatic / hydrologic conditions on the site typical for this t				•
Are Vegetation, Soil, or Hydrology sig				
Are Vegetation, Soil, or Hydrology na				
SUMMARY OF FINDINGS – Attach site map s				
		Jampin	.g po	
Hydrophytic Vegetation Present? Yes No		ls ti	ne Sampled	l Area
Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No		with	nin a Wetlar	nd? Yes No <u>√</u>
Remarks:	<u> </u>			
Tromaine.				
VEGETATION				
	Absolute		t Indicator	Dominance Test worksheet:
	% Cover			Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
1				mat Are OBL, I ACVV, OI I AC.
3				Total Number of Dominant Species Across All Strata: (B)
4.				
Total Cover:	0			Percent of Dominant Species That Are OBL, FACW, or FAC:0 (A/B)
Sapling/Shrub Stratum				
1				Prevalence Index worksheet:
2				
3. 4				FACW species x 2 =
5				FAC species x 3 =
Total Cover:				FACU species x 4 =
Herb Stratum				UPL species95 x 5 =475
1. Avena fatua		Y	UPL	Column Totals: <u>95</u> (A) <u>475</u> (B)
Centauria solstitialis     Elymus caput-medusae		NY	UPL	Prevalence Index = B/A =5
				Hydrophytic Vegetation Indicators:
4.       5.				Dominance Test is >50%
6				Prevalence Index is ≤3.0 <sup>1</sup>
7				Morphological Adaptations <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
Total Cover:				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1				be present.
2Total Cover:				Hydrophytic
			0	Vegetation
% Bare Ground in Herb Stratum 10 % Cover of	of Biotic Cr	ust	0_	Present? Yes No
Remarks:				

SOIL Sampling Point: 50b

Profile Desc	ription: (Describe t	o the dep			or or confirm	the absence of	of indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	ox Features % Type	Loc <sup>2</sup>	Texture	Remarks
						Texture	Kemarks
0-4	<u>5YR 3/4</u>	100	None				
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion, RM=	Reduced Matrix.	<sup>2</sup> Location: PL=F	ore Lining, R	C=Root Channe	el, M=Matrix.
Hydric Soil I	Indicators: (Applica	ble to all	LRRs, unless othe	rwise noted.)		Indicators f	for Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Sandy Red	ox (S5)		1 cm M	uck (A9) (LRR C)
Histic Ep	pipedon (A2)		Stripped M	atrix (S6)		2 cm M	uck (A10) ( <b>LRR B</b> )
Black Hi	, ,			ky Mineral (F1)			ed Vertic (F18)
	n Sulfide (A4)		<del></del>	yed Matrix (F2)			rent Material (TF2)
	d Layers (A5) (LRR C	5)	Depleted M			Other (E	Explain in Remarks)
	ick (A9) ( <b>LRR D</b> ) d Below Dark Surface	. (		K Surface (F6) ark Surface (F7)			
	ark Surface (A12)	(Δ11)		ressions (F8)			
_	fucky Mineral (S1)		Vernal Poo			3Indicators o	of hydrophytic vegetation and
	Gleyed Matrix (S4)			,			hydrology must be present.
Restrictive I	_ayer (if present):						
Type:							
Depth (inc	ches):					Hydric Soil I	Present? Yes No✓
Remarks:							
HYDROLO							
Wetland Hyd	drology Indicators:					Second	dary Indicators (2 or more required)
Primary India	cators (any one indica	tor is suffi	cient)			Wa	ater Marks (B1) ( <b>Riverine</b> )
Surface	Water (A1)		Salt Crust	(B11)		Se	ediment Deposits (B2) (Riverine)
High Wa	ter Table (A2)		Biotic Cru	st (B12)		Dri	ift Deposits (B3) ( <b>Riverine</b> )
Saturation	on (A3)		Aquatic In	vertebrates (B13	)	✓ Dr	ainage Patterns (B10)
Water M	arks (B1) ( <b>Nonriveri</b>	ne)	Hydrogen	Sulfide Odor (C1	)	Dr	y-Season Water Table (C2)
Sedimer	nt Deposits (B2) ( <b>Non</b>	riverine)	Oxidized	Rhizospheres alo	ng Living Root	ts (C3) Th	in Muck Surface (C7)
Drift Dep	oosits (B3) (Nonriver	ine)		of Reduced Iron			ayfish Burrows (C8)
_	Soil Cracks (B6)			on Reduction in P			aturation Visible on Aerial Imagery (C9)
Inundation	on Visible on Aerial Ir	magery (B	7) Other (Ex	plain in Remarks)		Sh	nallow Aquitard (D3)
	tained Leaves (B9)					FA	AC-Neutral Test (D5)
Field Obser	vations:						
Surface Wate	er Present? Ye	es	No Depth (in	ches):			
Water Table	Present? Ye	es	No Depth (in	ches):			
Saturation Pr	resent? Ye	es	No Depth (in	ches):	Wetla	and Hydrology	Present? Yes No
(includes cap					·	.e	
Describe Re	corded Data (stream	gauge, mo	nitoring well, aerial	pnotos, previous	inspections), i	it avallable:	
Remarks:							
In topog	raphic depres	sion. 1	No incised dra	ainage patte	erns in so	oil, but exp	ected to occur in storms
	n swale topog			0 1		,	

WETLAND DETER	MINATIO	ON DAT	A FORM	– Arid West Region
Project/Site: Stonegate Property	(	City/Count	y: Chico/	Butte Sampling Date: 9/23/16
Applicant/Owner: Epick Homes, Inc.				State: CA Sampling Point: 51b
Investigator(s): Meredith Branstad	;	Section, T	ownship, Ra	nge: Sec 31&32, Township 22North, Range 2E
Landform (hillslope, terrace, etc.): terrace				
Subregion (LRR): C				
Soil Map Unit Name: Redtough-Redswale Complex				
Are climatic / hydrologic conditions on the site typical for this				
Are Vegetation, Soil, or Hydrology signature sig				
SUMMARY OF FINDINGS – Attach site map s				
_		Sampin	ig point i	ocations, transects, important reatures, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes ✓ No Remarks:	\ \frac{}{}		he Sampled hin a Wetlar	I Area nd? Yes No _ √
		Species?	t Indicator Status	Dominance Test worksheet:  Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
2.				
3				Total Number of Dominant Species Across All Strata: (B)
4				Percent of Dominant Species
Total Cover:  Sapling/Shrub Stratum  1	0 40 10 10 10 15	Y N N Y	FAC FACU FAC UPL UPL	That Are OBL, FACW, or FAC:         50         (A/B)           Prevalence Index worksheet:
6. Centromadia fitchii	5	N	FACU	Prevalence Index is ≤3.0 <sup>1</sup>
7	90			Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)     Problematic Hydrophytic Vegetation (Explain)  Indicators of hydric soil and wetland hydrology must be present.
2Total Cover:				Hydrophytic
% Bare Ground in Herb Stratum			0	Vegetation Present? Yes No _✓_
Remarks:	-, Diolio Ol		<u> </u>	10310

SOIL Sampling Point: 51b

Depth Matrix Redox Features		_	
(inches) Color (moist) % Color (moist) % Type	Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-4 7.5YR 2.5/3 98 Soft masses 2 C	<u>M</u>	<u>loam</u>	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix. <sup>2</sup> Location: PL=P	ore Lining, R	C=Root Chan	nel, M=Matrix.
lydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)			for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Sandy Redox (S5)		1 cm	Muck (A9) (LRR C)
Histic Epipedon (A2) Stripped Matrix (S6)		2 cm	Muck (A10) ( <b>LRR B</b> )
Black Histic (A3) Loamy Mucky Mineral (F1)			ced Vertic (F18)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)		_	Parent Material (TF2)
Stratified Layers (A5) (LRR C) Depleted Matrix (F3)		Other	(Explain in Remarks)
1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)			
Thick Dark Surface (A12)  — Redox Depressions (F8)			
Sandy Mucky Mineral (S1)  Vernal Pools (F9)		3In dicators	of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)			hydrology must be present.
Restrictive Layer (if present):			
Type:			
Type: Depth (inches):		Hydric Soi	l Present? Yes No _✓
Depth (inches):		Hydric Soi	I Present? Yes No _ ✓
Depth (inches):Remarks: Very cobbley.		Hydric Soi	I Present? Yes No _✓
Depth (inches):Remarks: Very cobbley.  YDROLOGY		1 7	ndary Indicators (2 or more required)
Depth (inches):		Seco	ndary Indicators (2 or more required)
Depth (inches):			ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> )
Depth (inches):		<u>Seco</u>	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> )
Depth (inches):		<u>Seco</u> \ \	ndary Indicators (2 or more required)  Vater Marks (B1) ( <b>Riverine</b> )  Sediment Deposits (B2) ( <b>Riverine</b> )  Drift Deposits (B3) ( <b>Riverine</b> )
Depth (inches):		Seco \ \ [	ndary Indicators (2 or more required)  Water Marks (B1) ( <b>Riverine</b> )  Sediment Deposits (B2) ( <b>Riverine</b> )  Orift Deposits (B3) ( <b>Riverine</b> )  Orainage Patterns (B10)
Depth (inches):	ı	Seco \	ndary Indicators (2 or more required)  Water Marks (B1) ( <b>Riverine</b> )  Sediment Deposits (B2) ( <b>Riverine</b> )  Orift Deposits (B3) ( <b>Riverine</b> )  Orainage Patterns (B10)  Ory-Season Water Table (C2)
Depth (inches):	g Living Roc	Seco	ndary Indicators (2 or more required)  Water Marks (B1) ( <b>Riverine</b> )  Sediment Deposits (B2) ( <b>Riverine</b> )  Orift Deposits (B3) ( <b>Riverine</b> )  Orainage Patterns (B10)  Ory-Season Water Table (C2)
Depth (inches):	g Living Roc C4)	Seco	ndary Indicators (2 or more required)  Water Marks (B1) ( <b>Riverine</b> )  Sediment Deposits (B2) ( <b>Riverine</b> )  Orift Deposits (B3) ( <b>Riverine</b> )  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Thin Muck Surface (C7)
Depth (inches):	g Living Roc C4)	Seco	ndary Indicators (2 or more required)  Water Marks (B1) ( <b>Riverine</b> )  Sediment Deposits (B2) ( <b>Riverine</b> )  Orift Deposits (B3) ( <b>Riverine</b> )  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)
Depth (inches):	g Living Roc C4)	Seco	ndary Indicators (2 or more required)  Water Marks (B1) ( <b>Riverine</b> )  Sediment Deposits (B2) ( <b>Riverine</b> )  Orift Deposits (B3) ( <b>Riverine</b> )  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Thin Muck Surface (C7)  Orayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)
Depth (inches):	g Living Roc C4)	Seco	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Gediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inches):	g Living Roc C4) owed Soils (	Seco	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Gediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inches):	g Living Roc C4) owed Soils (	Seco	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Gediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inches):	g Living Roc C4) owed Soils (	Seco	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Orayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches):	g Living Roc C4) owed Soils ((	Seco	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
Depth (inches):	g Living Roc C4) owed Soils ((	Seco	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Orayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches):	g Living Roc C4) owed Soils ((	Seco	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Orayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches):	g Living Roc C4) owed Soils ((	Seco	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Orayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches):	g Living Roc C4) owed Soils ((	Seco	ndary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Depth (inches):    Pemarks:   Pem	g Living Roc C4) owed Soils ((	Seco	ndary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)

WETLAND DETERI	MINATIO	ON DAT	A FORM	– Arid West Region
Project/Site: Stonegate Property		City/Count	ty: <u>Chico/ I</u>	Butte Sampling Date: 9/23/16
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u> Sampling Point: <u>52b</u>
Investigator(s): Meredith Branstad		Section, T	ownship, Ra	nge: Sec 31&32, Township 22North, Range 2E
Landform (hillslope, terrace, etc.): terrace				
Subregion (LRR): C				
Soil Map Unit Name: Redtough-Redswale Complex,				
Are climatic / hydrologic conditions on the site typical for this t				· · · · · · · · · · · · · · · · · · ·
Are Vegetation, Soil, or Hydrology sig				
Are Vegetation, Soil, or Hydrology nat				
SUMMARY OF FINDINGS – Attach site map s				
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No Remarks:	_ ✓	ls t	the Sampled	•
		Species	nt Indicator ? Status	Dominance Test worksheet:  Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
2				Total Number of Dominant
3				Species Across All Strata:3(B)
Total Cover:  Sapling/Shrub Stratum  1 2 3				Percent of Dominant Species That Are OBL, FACW, or FAC:37
4				FACW species x 2 =
5				FAC species x 3 =60
Total Cover:	0			FACU species 48 x 4 = 192
Bromus hordeaceus	40	Υ	FACU	UPL species $32 \times 5 = 160$ Column Totals: 100 (A) 412 (B)
Elvmus caput-medusae		Y	UPL	Column Totals:100 (A)412 (B)
3. Festuca perennis		Y	FAC	Prevalence Index = B/A = 4.12
4. Centromadia fitchii	_	N	<u>FACU</u>	Hydrophytic Vegetation Indicators:
5. Avena fatua	2	N	UPL	Dominance Test is >50%
6				Prevalence Index is ≤3.0 <sup>1</sup>
7				Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Total Cover:	100			
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2.				be present.
Total Cover:				Hydrophytic
% Bare Ground in Herb Stratum5 % Cover of	of Biotic Cr	ust	0	Vegetation Present? Yes No _✓
Remarks:				

SOIL Sampling Point: 52b

	ription: (Describe t	o the dep				or confirm	the absence	of indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	<u>x Features</u> %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-4	7.5YR 3/3		5YR 4/6					Prominent mottles
0-4	<u> 7.511\\ 5/5</u>		<u> </u>			IVI	<u>loairi</u>	1 Torriffert mottles
1Type: C=Co	oncentration, D=Deple	etion RM=		2Location	· DI =Do	re Linina R	C=Root Chan	nel M=Matriv
	ndicators: (Applica					re Lilling, iv		for Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Red		,			Muck (A9) (LRR C)
_	ipedon (A2)		Stripped Ma					Muck (A10) (LRR B)
Black His	stic (A3)		Loamy Mud	ky Mineral	(F1)		Reduc	ed Vertic (F18)
	n Sulfide (A4)		Loamy Gley		(F2)			arent Material (TF2)
	Layers (A5) (LRR C	)	Depleted M		EC)		Other	(Explain in Remarks)
	ck (A9) ( <b>LRR D</b> ) I Below Dark Surface	· (Δ11)	Redox Dark Depleted D	,	,			
	rk Surface (A12)	(/ (/ 1)	Redox Dep					
_	lucky Mineral (S1)		Vernal Pool		,		<sup>3</sup> Indicators	of hydrophytic vegetation and
Sandy G	leyed Matrix (S4)						wetland	l hydrology must be present.
Restrictive L	.ayer (if present):							
Depth (inc	ches):						Hydric Soil	Present? Yes No
Remarks:								
Not in cle	osed depressi	on.						
HYDROLO	GY							
Wetland Hyd	drology Indicators:						Secon	ndary Indicators (2 or more required)
Primary India	ators (any one indica	tor is suffi	cient)				v	Vater Marks (B1) ( <b>Riverine</b> )
Surface	Water (A1)		Salt Crust	(B11)			s	Sediment Deposits (B2) (Riverine)
High Wa	ter Table (A2)		Biotic Crus	st (B12)			[	Prift Deposits (B3) ( <b>Riverine</b> )
Saturation	on (A3)		Aquatic In	vertebrate	s (B13)		✓ □	Prainage Patterns (B10)
Water M	arks (B1) ( <b>Nonriveri</b> i	ne)	Hydrogen	Sulfide Oc	dor (C1)		□	Pry-Season Water Table (C2)
Sedimen	t Deposits (B2) ( <b>Non</b>	riverine)					ots (C3) T	hin Muck Surface (C7)
	osits (B3) ( <b>Nonriveri</b>	ine)	Presence					Crayfish Burrows (C8)
_	Soil Cracks (B6)		Recent Iro			wed Soils (		Saturation Visible on Aerial Imagery (C9)
_	on Visible on Aerial In	nagery (Bi	7) Other (Exp	olain in Re	marks)			Shallow Aquitard (D3)
	tained Leaves (B9)							AC-Neutral Test (D5)
Field Observ			Na Danth (in	-h).				
Surface Wate			No Depth (in					
Water Table			No Depth (in					
Saturation Pr (includes cap		es ।	No Depth (in	cnes):		vveti:	and Hydrolog	y Present? Yes No <u>√</u>
	corded Data (stream	gauge, mo	nitoring well, aerial	photos, pre	evious in:	spections),	if available:	
Remarks:								
In topog	ranhic swale	No inc	ised drainag	e natte	rns in	soil bu	ıt expecte	d to occur in storms based
	topography.	. 10 1110	a aramag	- patto		2011, 20	capoolo	2.12.00001
on swale	. copograpity.							

# WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Stonegate Property		City/Count	y: <u>Chico/ B</u>	utte	_ Sampling Da	ate: <u>10/0</u>	7/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	_ Sampling Po	oint:	53b
Investigator(s): Meredith Branstad							
Landform (hillslope, terrace, etc.): terrace				_			
Subregion (LRR): C						-	
Soil Map Unit Name: Redtough-Redswale Complex							
Are climatic / hydrologic conditions on the site typical for thi						<del></del>	-
Are Vegetation, Soil, or Hydrology :	_			"Normal Circumstances"			Jo
Are Vegetation, Soil, or Hydrology				eeded, explain any answ	•		
SUMMARY OF FINDINGS – Attach site map				· · · · ·			es etc
SolviniART OF FINDINGS - Attach site map	3110WIIII	Sampin	ng point i	ocations, transect			,3, 616.
Hydrophytic Vegetation Present? Yes N	10 <u>/</u>	ls t	he Sampled	I Area			
Hydric Soil Present? Yes N		wit	hin a Wetlar	nd? Yes	No	<u>✓</u>	
Wetland Hydrology Present? Yes N Remarks:	40 <b>A</b>						
Remarks.							
VEGETATION – Use scientific names of plan	nts.						
Tree Ctretum (Diet eize.	Absolute		nt Indicator	Dominance Test wor	ksheet:		
Tree Stratum (Plot size:)	·		? Status	Number of Dominant S That Are OBL, FACW		1	(1)
1 2							. (A)
3.				Total Number of Domi Species Across All Str		2	(B)
4.							. (D)
	0			Percent of Dominant S That Are OBL, FACW		50	(A/B)
Sapling/Shrub Stratum (Plot size:)		_					. (/ (/ )/
1				Prevalence Index wo			
2				Total % Cover of:			
3				OBL species			
4				FAC species 50			_
5		= Total C	OVER	FACU species			_
Herb Stratum (Plot size:)		_ = 10tal C	OVCI	UPL species 30			_
1. Festuca perennis	40	Yes	FAC	Column Totals: 8		300	(B)
2. Elymus caput-medusae	20	Yes	UPL				_ ` ′
3. <u>Triteleia hyacinthina</u>	10	No	<u>FAC</u>	Prevalence Inde			
4. Avena fatua			<u>UPL</u>	Hydrophytic Vegetat		:	
5				Dominance Test i			
6				Prevalence Index Morphological Ad		uda auma	etle e
7				data in Remar	apialions (Pro ks or on a sepa	vide suppo arate sheet)	rung )
8				Problematic Hydr	ophytic Vegeta	tion <sup>1</sup> (Expla	ain)
Woody Vine Stratum (Plot size:)		_ = Total C	over				
1		-		<sup>1</sup> Indicators of hydric so			must
2				be present, unless dis	turbed or probl	ematic.	
	0	_ = Total C	over	Hydrophytic			
% Bare Ground in Herb Stratum 20	er of Biotic C	rust		Vegetation Present? Y	es N	o <b>√</b>	
Remarks:		-		1			
I							

SOIL Sampling Point: 53b

Profile Desc	ription: (Describe	to the de	oth needed to docu	ment the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix			ox Features	5			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-3	7.5YR 2.5/2	100	None					
	-							
		_						
			-					
	- <u></u>	_						
<sup>1</sup> Type: C=Co	oncentration, D=De	oletion, RM	=Reduced Matrix, C	S=Covered	or Coate	d Sand Gra	ains. <sup>2</sup> Loc	ation: PL=Pore Lining, M=Matrix.
			LRRs, unless othe					for Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Sandy Red	lox (S5)			1 cm N	luck (A9) ( <b>LRR C</b> )
Histic Ep	oipedon (A2)		Stripped M	atrix (S6)			2 cm N	luck (A10) ( <b>LRR B</b> )
Black Hi	, ,		Loamy Mu	-				ed Vertic (F18)
	n Sulfide (A4)	_,	Loamy Gle	-	(F2)			arent Material (TF2)
	Layers (A5) (LRR	C)	Depleted N		E ( )		Other (	Explain in Remarks)
	ick (A9) ( <b>LRR D</b> ) d Below Dark Surfac	ο (Λ11)	Redox Dar Depleted D	k Surface (				
-	ark Surface (A12)	e (ATT)	Redox Dep				<sup>3</sup> Indicators	of hydrophytic vegetation and
	fucky Mineral (S1)		Vernal Poo		0)			nydrology must be present,
	Gleyed Matrix (S4)			(* - )				sturbed or problematic.
Restrictive I	_ayer (if present):							•
Туре:								
Depth (inc	ches):						Hydric Soil	Present? Yes No
Remarks:							1	
\/amaalak	عممالمانيمين	al: £	اه ما					
very cobi	oley, could not	alg furt	ner					
HYDROLO	CV							
	drology Indicators						0	
-	•	one require	ed; check all that app					dary Indicators (2 or more required)
Surface	` ,		Salt Crus	, ,				/ater Marks (B1) (Riverine)
	iter Table (A2)		Biotic Cru		(D40)			ediment Deposits (B2) (Riverine)
Saturatio			Aquatic Ir					rift Deposits (B3) (Riverine)
	larks (B1) (Nonrive		Hydrogen			Livina Daat	· · · · · · · · · · · · · · · · · · ·	rainage Patterns (B10)
	nt Deposits (B2) (No							ry-Season Water Table (C2)
	oosits (B3) ( <b>Nonrive</b>	erine)	Presence					rayfish Burrows (C8)
	Soil Cracks (B6) on Visible on Aerial	Imagary (E	Recent Iro			a 50115 (C6)		aturation Visible on Aerial Imagery (C9)
	tained Leaves (B9)	imagery (E		k Surface ((				hallow Aquitard (D3) AC-Neutral Test (D5)
Field Observ			Other (EX	plain in Re	iliaiks)		<u> </u>	AC-Neutral Test (D3)
		/os	No Donth (ir	achoe).				
Surface Water			No Depth (in					
Water Table			No Depth (ir					D 10 V
Saturation Proceeds (includes cap		res	No Depth (ir	ncnes):		_   wetia	ina Hyarology	y Present? Yes No _✓
Describe Red	corded Data (stream	n gauge, m	onitoring well, aerial	photos, pre	evious ins	pections), i	f available:	
Remarks:								
In topogr	anhic denressi	on No	incised drainag	e natter	ns in so	nil but a	xnected to	occur in storms based on
swale top		140	oloca araniag	o patter	30	, Dat C	pcotca tt	2 Cook in Storing based on
Sware top	обгартту.							

# WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Stonegate Property		City/Co	unty: <u>Chico/ B</u>	Sampling Da	te: <u>10/07/201</u>	16	
Applicant/Owner: Epick Homes, Inc.				State: CA	_ Sampling Po	int: <u>54b</u>	
Investigator(s): Meredith Branstad		Section	ı, Township, Ra	inge: <u>Sec 31 &amp; 32, Tov</u>	wnship 22Nor	th, Range 2E	
Landform (hillslope, terrace, etc.): terrace		Local r	elief (concave,	convex, none): conca	ve	Slope (%):1	L
Subregion (LRR): C	Lat: 39.	7144		Long: <u>-121.7850</u>		Datum: NAD83	
Soil Map Unit Name: Redtough-Redswale Complex							
Are climatic / hydrologic conditions on the site typical for the							
Are Vegetation, Soil, or Hydrology	-			"Normal Circumstances		<b>√</b> No	
Are Vegetation, Soil, or Hydrology				eeded, explain any ansv	•		
SUMMARY OF FINDINGS – Attach site map							tc.
Hydrophytic Vegetation Present? Yes   ✓	No						
Hydric Soil Present? Yes			Is the Sampled			/	
Wetland Hydrology Present? Yes   ✓		'	within a Wetla	nd? Yes	No <u>_</u>	<u>/</u>	
Remarks:						-	_
VEGETATION – Use scientific names of pla	ntc						
VEGETATION – OSE SCIENTIFIC Harries of pla		Domir	nant Indicator	Dominance Test wo	rkehoot:		
Tree Stratum (Plot size:)			es? Status	Number of Dominant			
1				That Are OBL, FACW		(A)	
2				Total Number of Dom	inant		
3		-		Species Across All St		(B)	
4				Percent of Dominant			
Sapling/Shrub Stratum (Plot size:)	0	_ = Tota	ıl Cover	That Are OBL, FACW	!, or FAC:	(A/B	3)
1				Prevalence Index wo	orksheet:		
2.				Total % Cover of	<u>: Μι</u>	ıltiply by:	
3				OBL species			
4				FACW species			
5				FAC species			
Herb Stratum (Plot size:)	0	_= Tota	Il Cover	FACU species			
1. Festuca perennis	75	Yes	FAC	UPL species Column Totals:			١
2. <u>Centaurea solstitialis</u>		No	UPL	Column rotals.	<u> </u>	(B)	,
3. Avena fatua	5	No	UPL	Prevalence Inde	ex = B/A =	NaN	
4. Elymus caput-medusae		No	UPL	Hydrophytic Vegeta			
5. <u>Triteleia hyacinthina</u>		No	FAC	✓ Dominance Test			
6. <u>Lactuca serriola</u>		No	<u>FACU</u>	Prevalence Index			
7				Morphological Ac	rks or on a sepa	rate supporting	
8			1.0	Problematic Hydr	ophytic Vegetat	ion¹ (Explain)	
Woody Vine Stratum (Plot size:)		_= 10ta	I Cover				
1				<sup>1</sup> Indicators of hydric s			
2				be present, unless dis	sturbed or proble	ematic.	
	0	= Tota	I Cover	Hydrophytic			
% Bare Ground in Herb Stratum 0	er of Biotic C	rust		Vegetation Present?	res <u>√</u> No	o	
Remarks:				I			

SOIL Sampling Point: 54b

Profile Desc	ription: (Describe	e to the de	oth needed to docu	ment the	indicator	or confirn	n the absence	of indicators.)
Depth	Matrix			ox Feature	S			
<u>(inches)</u>	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	<u>Loc<sup>2</sup></u>	Texture	Remarks
0-6	7.5YR 2.5/2	98	soft masses	2	<u>C</u>	M	clay loam	
							-	
	-							
				-				
							-	<del></del>
<u> </u>								
			I=Reduced Matrix, C			ed Sand G		ation: PL=Pore Lining, M=Matrix.
_		cable to al	I LRRs, unless othe		ed.)			for Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Red					uck (A9) (LRR C)
	pipedon (A2)		Stripped M					luck (A10) ( <b>LRR B</b> )
Black Hi			Loamy Mu	-				ed Vertic (F18)
	n Sulfide (A4)	. 0\	Loamy Gle	-	(F2)		<del></del>	rent Material (TF2)
	l Layers (A5) ( <b>LRR</b> ick (A9) ( <b>LRR D</b> )	(0)	Depleted M Redox Dar		(E4)		Other (	Explain in Remarks)
	d Below Dark Surfa	co (A11)	Redox Dar					
-	ark Surface (A12)	CC (ATT)	Redox Dep				<sup>3</sup> Indicators (	of hydrophytic vegetation and
	lucky Mineral (S1)		Vernal Poo		. 0)			nydrology must be present,
	Gleyed Matrix (S4)			()				sturbed or problematic.
	ayer (if present):							·
Type:								
J	ches):						Hydric Soil	Present? Yes No _✓_
Remarks:	,							
very cobb	oly, insufficien	t redox ı	eactions for F6					
HYDROLO	GY							
Wetland Hyd	drology Indicators	S:						
_			ed; check all that app	lv)			Secon	dary Indicators (2 or more required)
Surface		•	Salt Crust	•				ater Marks (B1) ( <b>Riverine</b> )
	ter Table (A2)		Biotic Cru					ediment Deposits (B2) (Riverine)
Saturation			Aquatic Ir		s (B13)			rift Deposits (B3) ( <b>Riverine</b> )
	arks (B1) ( <b>Nonriv</b> e	rine)	Hydrogen					rainage Patterns (B10)
	nt Deposits (B2) (N					Livina Roc		ry-Season Water Table (C2)
	oosits (B3) ( <b>Nonriv</b>		Presence	-	_	_		rayfish Burrows (C8)
-	Soil Cracks (B6)	crinc)	Recent Iro					aturation Visible on Aerial Imagery (C9)
	on Visible on Aeria	l Imagery (F				. 0013 (00		nallow Aquitard (D3)
	tained Leaves (B9)		Other (Ex					AC-Neutral Test (D5)
Field Observ			Other (Ex	piaiii iii ike	Zilidi K3)			10-Neutral Test (D3)
Surface Wate		Voc	No Donth (in	schoo).				
			No Depth (in					
Water Table			No Depth (ir					5 10 V / N
Saturation Pr (includes cap		Yes	No Depth (ir	iches):		_   Weti	and Hydrology	Present? Yes No
		m gauge, m	onitoring well, aerial	photos, pr	evious ins	spections),	if available:	
		0 0						
Remarks:								
	and the C					. 11 1		and the state of t
		ion. No	incised drainag	e patte	rns in s	oil, but	expected to	occur in storms based on
swale top	ography.							

# WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Stonegate Property	(	City/County:	Chico/ B	utte	_ Sampling Date:	10/07/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	_ Sampling Point:	55b
Investigator(s): Meredith Branstad		Section, To	wnship, Ra	nge: <u>Sec 31 &amp; 32, Tov</u>	vnship 22North,	Range 2E
Landform (hillslope, terrace, etc.): terrace		Local relief	(concave,	convex, none): concav	<b>/e</b> Slo	pe (%):2
Subregion (LRR): C	Lat: 39.	7139		Long: <u>-121.7847</u>	Datu	ım: NAD83
Soil Map Unit Name: Redtough-Redswale Complex				NWI classifi	ication: Upland	
Are climatic / hydrologic conditions on the site typical for t	his time of yea	ar? Yes	No	(If no, explain in	Remarks.)	
Are Vegetation, Soil, or Hydrology	_ significantly	disturbed?	Are '	"Normal Circumstances"	present? Yes	No
Are Vegetation, Soil, or Hydrology	_naturally pro	blematic?	(If ne	eeded, explain any answ	ers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map	o showing	sampling	g point l	ocations, transect	s, important fe	eatures, etc.
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes Remarks:	No		e Sampled in a Wetlar		No <u></u>	-
Disturbed by fire break						
VEGETATION – Use scientific names of pla	ints					
VEGETATION OSC SCIONATIO NATIOES OF PIC		Dominant	Indicator	Dominance Test wor	ksheet:	
Tree Stratum (Plot size:)  1				Number of Dominant S That Are OBL, FACW,		(A)
2				Total Number of Domi Species Across All Str		<u>2</u> (B)
4		= Total Cov		Percent of Dominant S That Are OBL, FACW,		0 (A/B)
Sapling/Shrub Stratum (Plot size:)  1				Prevalence Index wo	nrkshoot.	
2.				Total % Cover of:		lv bv:
3.				OBL species	•	
4				FACW species		
5.				FAC species 40		
		= Total Cov	ver	FACU species	x 4 =	0
Herb Stratum (Plot size:)				UPL species 20	x 5 =	100
1. Elymus caput-medusae		Yes	UPL	Column Totals: 6	<u>60</u> (A)	<b>220</b> (B)
2. <u>Festuca perennis</u>			FAC	Prevalence Inde	x = B/A = <u>3.6666</u>	56666 <b>@</b>
3				Hydrophytic Vegetat	<u> </u>	
4				Dominance Test i		
5				Prevalence Index		
6					aptations <sup>1</sup> (Provide	supporting
8				data in Remarl	ks or on a separate	sheet)
<u> </u>		= Total Cov	/er	Problematic Hydro	ophytic Vegetation <sup>1</sup>	(Explain)
Woody Vine Stratum (Plot size:) 1				<sup>1</sup> Indicators of hydric so be present, unless dis		
2				•		
% Bare Ground in Herb Stratum 40 % Cov	er of Biotic Cr	= Total Cov		Hydrophytic Vegetation Present? Yes	es No	✓_
Remarks:						

SOIL Sampling Point: 55b

Profile Desc	ription: (Describe	to the dep	th needed to docu	ment the	indicator	or confirm	n the absence	e of indicators.)
Depth	Matrix		Redo	x Feature	S			
<u>(inches)</u>	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	<u>Remarks</u>
0-6	10YR 3/3	80	5YR 4/6	20	<u>C</u>	_M	clay loam	prominent mottles
<del></del>			_	-			_	
						-		
					•			
				-				· <del>-</del>
								· <del></del>
			=Reduced Matrix, CS			ed Sand Gr		ocation: PL=Pore Lining, M=Matrix.
_		cable to all	LRRs, unless othe		ea.)			s for Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Red					Muck (A9) (LRR C)
	ipedon (A2)		Stripped Ma		1 (=1)			Muck (A10) (LRR B)
Black His	n Sulfide (A4)		Loamy Mud Loamy Gley	-				ced Vertic (F18) Parent Material (TF2)
	Layers (A5) (LRR	C)	Depleted M		(1 2)		·	(Explain in Remarks)
	ck (A9) ( <b>LRR D</b> )	0)	Redox Dark		(F6)		0000	(Explain in Remarks)
	Below Dark Surfac	e (A11)	Depleted D					
-	rk Surface (A12)	, ,	Redox Dep				3Indicators	s of hydrophytic vegetation and
	ucky Mineral (S1)		Vernal Poo	ls (F9)			wetland	I hydrology must be present,
	leyed Matrix (S4)						unless	disturbed or problematic.
Restrictive L	.ayer (if present):							
Type:								
Depth (inc	:hes):						Hydric Soi	I Present? Yes No _✓
Remarks:								
		_						
not in clos	sed depressior	1						
HYDROLO	GY							
Wetland Hyd	Irology Indicators:	:						
Primary Indic	ators (minimum of o	one require	d; check all that appl	y)			Seco	ondary Indicators (2 or more required)
Surface	Water (A1)		Salt Crust	(B11)			\	Water Marks (B1) (Riverine)
High Wa	ter Table (A2)		Biotic Crus	st (B12)				Sediment Deposits (B2) (Riverine)
Saturatio	n (A3)		Aquatic In	vertebrate	es (B13)			Drift Deposits (B3) (Riverine)
Water Ma	arks (B1) ( <b>Nonrive</b> r	rine)	Hydrogen					Drainage Patterns (B10)
Sedimen	t Deposits (B2) (No	nriverine)	Oxidized F	Rhizosphe	res along	Living Roo	ots (C3) I	Dry-Season Water Table (C2)
Drift Dep	osits (B3) (Nonrive	rine)	Presence	of Reduce	ed Iron (C	4)	(	Crayfish Burrows (C8)
Surface	Soil Cracks (B6)		Recent Iro	n Reducti	on in Tille	d Soils (C6	o) :	Saturation Visible on Aerial Imagery (C9)
	on Visible on Aerial	Imagery (B	7) Thin Muck	Surface (	(C7)		:	Shallow Aquitard (D3)
Water-St	ained Leaves (B9)		Other (Exp	olain in Re	emarks)		1	FAC-Neutral Test (D5)
Field Observ	/ations:							
Surface Wate	er Present?	'es	No Depth (in	ches):				
Water Table			No Depth (in					
Saturation Pr			No Depth (in				and Hydrolog	gy Present? Yes No
(includes cap	illary fringe)							, , , , , , , , , , , , , , , , , , ,
		n gauge, mo	onitoring well, aerial	photos, pr	evious ins	spections),	if available:	
Remarks:								
In tonogra	anhic depressi	on Nai	ncised drainag	a natta	rne in c	oil but	avnected +	o occur in storms based on
		OII. NOI	nciscu urallidgi	e parte	1115 111 5	on, but t	expected t	.o occur iii storiiis baseu oii
swale top	ograpny.							

# WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Stonegate Property		City/Cou	inty: <u>Chico/ B</u>	utte	_ Sampling Da	ate: <u>10/07</u>	7/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	_ Sampling Po	oint: <u>5</u>	6a
Investigator(s): Meredith Branstad		Section,	Township, Ra	nge: Sec 31 & 32, Tov	wnship 22Noı	rth, Range	2E
Landform (hillslope, terrace, etc.): terrace		Local re	elief (concave,	convex, none): conca	ve	Slope (%):	1
Subregion (LRR): C	Lat: <u>39.</u>	7138		Long: <u>-121.7840</u>		Datum: NAI	D83
Soil Map Unit Name: Redtough-Redswale Complex							
Are climatic / hydrologic conditions on the site typical for tl			_				
Are Vegetation, Soil, or Hydrology	-			"Normal Circumstances		s 🗸 No	O O
Are Vegetation, Soil, or Hydrology				eeded, explain any answ	•		
SUMMARY OF FINDINGS – Attach site may				-			s. etc.
			9		,		
	No No		s the Sampled		,		
Wetland Hydrology Present? Yes   ✓		W	ithin a Wetlai	nd? Yes <u>v</u>	/ No		
Remarks:							
VECETATION II							
VEGETATION – Use scientific names of pla				T			
Tree Stratum (Plot size:)			ant Indicator s? Status	Dominance Test work  Number of Dominant			
1		-		That Are OBL, FACW		2	(A)
2				Total Number of Dom	inant		
3				Species Across All St		2	(B)
4				Percent of Dominant	Species		
Sapling/Shrub Stratum (Plot size:)	0	= Total	Cover	That Are OBL, FACW		100	(A/B)
1				Prevalence Index wo	orksheet:		
2.				Total % Cover of		ultiply by:	_
3.				OBL species	x 1 =	0	_
4				FACW species	x 2 =	0	_
5				FAC species			_
Herb Stratum (Plot size:)	0	= Total	Cover	FACU species			_
Herb Stratum (Plot size:)  1. Hordeum marinum	50	Yes	FAC	UPL species			
Festuca perennis		Yes	FAC	Column Totals:	<u>U</u> (A)	0	_ (B)
3. Eryngium vaseyi		No	FACW	Prevalence Inde	ex = B/A =	NaN	_
4. Avena fatua	5	No	UPL	Hydrophytic Vegeta	tion Indicators	s:	
5. Centromadia fitchii	5	No	<u>FACU</u>	✓ Dominance Test			
6				Prevalence Index			
7				Morphological Ac	laptations' (Pro ks or on a sepa	ovide suppor arate sheet)	ting
8				Problematic Hydr			in)
Woody Vine Stratum (Plot size:)	100	= Total	Cover				
1				<sup>1</sup> Indicators of hydric s			nust
2				be present, unless dis	sturbed or prob	lematic.	
	0			Hydrophytic			
% Bare Ground in Herb Stratum 2	er of Biotic C	rust		Vegetation Present? Y	es <u>√</u> N	lo	
Remarks:				<u> </u>			-

SOIL Sampling Point: 56a

Depth (inches) Co	olor (moist)	%	Redo Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
	R 2.5/2			- <del> </del>		M	loam	prominent mottles
	,		- · · · · · · · · · · · · · · · · · · ·					<u></u>
		·						
		· —— ·						
		· —— ·						
<del></del>								
							-	
		. ———						
Type: C=Concentr						d Sand G		cation: PL=Pore Lining, M=Matrix.
Hydric Soil Indicat	tors: (Applic	able to all L			ed.)			s for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Histic Epipedor	a (A2)		Sandy Red Stripped M					Muck (A9) (LRR C) Muck (A10) (LRR B)
Black Histic (A3			Loamy Mu		l (F1)			ced Vertic (F18)
Hydrogen Sulfic			Loamy Gle	-				Parent Material (TF2)
Stratified Layer		C)	Depleted M	-	,		<del></del>	(Explain in Remarks)
1 cm Muck (A9)	) (LRR D)		✓ Redox Dar					
Depleted Below		e (A11)	Depleted D				2	
Thick Dark Sur			Redox Dep		F8)			s of hydrophytic vegetation and
Sandy Mucky N Sandy Gleyed I			Vernal Poo	OIS (F9)				hydrology must be present, disturbed or problematic.
Restrictive Layer (							unicss (	disturbed of problematic.
Type:	-							
= '							Hydric Soi	I Present? Yes ✓ No
Depth (inches): _ Remarks:							Hydric Soi	I Present? Yes <u>√</u> No
Depth (inches): _ Remarks: very cobbly							Hydric Soi	I Present? Yes <u>√</u> No
Depth (inches): _ Remarks: very cobbly YDROLOGY							Hydric Soi	I Present? Yes <u>√</u> No
Depth (inches):	y Indicators:			lv)				
Depth (inches): _ Remarks: very cobbly  YDROLOGY Wetland Hydrolog Primary Indicators (	y Indicators: (minimum of o		; check all that app	-			Seco	ndary Indicators (2 or more required)
Depth (inches): _ Remarks: very cobbly  YDROLOGY Wetland Hydrolog Primary Indicators ( Surface Water	y Indicators: (minimum of o (A1)		check all that app	t (B11)			<u>Seco</u>	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> )
Depth (inches): _ Remarks: very cobbly  YDROLOGY Wetland Hydrolog Primary Indicators (	y Indicators: (minimum of o (A1) ble (A2)		; check all that app	t (B11) st (B12)	s (B13)		<u>Seco</u> \	ndary Indicators (2 or more required)
Depth (inches): _ Remarks:  Very cobbly  IYDROLOGY  Wetland Hydrolog  Primary Indicators ( Surface Water High Water Tak	y Indicators: (minimum of o (A1) ble (A2)	ne required	check all that app Salt Crusi Biotic Cru	t (B11) ist (B12) ivertebrate			Seco \ S [	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> )
Depth (inches): _ Remarks:  Very cobbly  YDROLOGY  Wetland Hydrology  Primary Indicators ( Surface Water High Water Tak Saturation (A3)	y Indicators: (minimum of o (A1) ble (A2) ) 31) (Nonriveri	ne required	check all that app Salt Crusi Biotic Cru Aquatic Ir Hydrogen	t (B11) ast (B12) nvertebrate a Sulfide O	dor (C1)	Living Roo	Seco — \ — \ — [ [	ndary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)
Depth (inches): _ Remarks:  Very cobbly  YDROLOGY  Wetland Hydrolog  Primary Indicators ( Surface Water High Water Tak Saturation (A3) Water Marks (E	y Indicators: (minimum of o (A1) ble (A2) ) 31) (Nonriveri osits (B2) (No	ne required ine) nriverine)	check all that app Salt Crusi Biotic Cru Aquatic Ir Hydrogen	t (B11) ist (B12) nvertebrate i Sulfide Oo Rhizosphe	dor (C1) res along	_	Seco	ndary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)
Depth (inches): _ Remarks:  Very cobbly  VDROLOGY  Wetland Hydrolog Primary Indicators ( Surface Water High Water Tat Saturation (A3) Water Marks (E Sediment Depo	y Indicators: (minimum of o (A1) ble (A2) ) B1) (Nonriveri psits (B2) (Non (B3) (Nonriver	ne required ine) nriverine)	check all that app Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized	t (B11) ist (B12) nvertebrate Sulfide Oo Rhizosphe of Reduce	dor (C1) res along d Iron (C4	.)	Seco\ \	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Depth (inches): _ Remarks:  Very cobbly  IYDROLOGY  Wetland Hydrolog: Surface Water High Water Tat Saturation (A3) Water Marks (E Sediment Depo Drift Deposits ( Surface Soil Cr Inundation Visil	y Indicators: (minimum of o (A1) ble (A2) ) (B1) (Nonriver posits (B2) (Non (B3) (Nonriver cacks (B6) ble on Aerial I	ne required ine) nriverine) rine)	check all that app Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Iro	t (B11) ist (B12) ivertebrate i Sulfide O iRhizosphe of Reduce on Reducti k Surface (	dor (C1) res along d Iron (C4 on in Tille C7)	.)	Seco	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inches): _ Remarks:  Very cobbly  IYDROLOGY  Wetland Hydrology Primary Indicators ( Surface Water High Water Tak Saturation (A3) Water Marks (E Sediment Depo Drift Deposits ( Surface Soil Cr Inundation Visil Water-Stained	y Indicators: (minimum of o (A1) ble (A2) (B31) (Nonriveriosits (B2) (Nonriveriacks (B6) (B3) (Nonriveriacks (B6) ble on Aerial I Leaves (B9)	ne required ine) nriverine) rine)	check all that app Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Iro	t (B11) ust (B12) uvertebrate u Sulfide Oo Rhizosphe of Reduce	dor (C1) res along d Iron (C4 on in Tille C7)	.)	Seco	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Depth (inches): _ Remarks:  Very cobbly  IYDROLOGY  Wetland Hydrolog: Primary Indicators ( Surface Water	y Indicators: (minimum of o (A1) ble (A2) ) (B3) (Nonriveriosits (B2) (Nonriveriosits (B6) (B3) (Nonriveriosks (B6) ble on Aerial I Leaves (B9)	ne required ine) nriverine) rine) magery (B7	check all that app Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Iro Other (Ex	t (B11) ast (B12) avertebrate a Sulfide Or Rhizosphe of Reduce on Reducti k Surface ( plain in Re	dor (C1) res along d Iron (C4 on in Tille C7) marks)	d Soils (Co	Seco	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inches): _ Remarks:  Very cobbly  IYDROLOGY  Wetland Hydrology Primary Indicators ( Surface Water High Water Tak Saturation (A3) Water Marks (E Sediment Depo Drift Deposits ( Surface Soil Cr Inundation Visil Water-Stained  Field Observations Surface Water Pres	y Indicators: (minimum of o (A1) ble (A2) ) B1) (Nonriveri posits (B2) (Nor (B3) (Nonriveri racks (B6) ble on Aerial I Leaves (B9) s: sent? Y	ne required ine) nriverine) rine) magery (B7	check all that app Salt Crust Biotic Cru Aquatic Ir Oxidized Presence Recent Iro Other (Ex	t (B11) list (B12) livertebrate li Sulfide Or Rhizosphe of Reduce on Reducti k Surface ( plain in Re	dor (C1) res along d Iron (C4 on in Tille C7) marks)	d Soils (Co	Seco	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inches):	y Indicators: (minimum of o (A1) ble (A2) ) (B1) (Nonriveriosits (B2) (Nonriveriosks (B6) ble on Aerial I Leaves (B9) s: sent? Y	ne required ine) nriverine) rine) magery (B7	check all that app Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ird Other (Ex	t (B11) ist (B12) ivertebrate i Sulfide O iRhizosphe of Reduce on Reducti k Surface ( iplain in Re inches):	dor (C1) res along d Iron (C4 on in Tille C7) marks)	d Soils (Co	Seco	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches):	y Indicators: (minimum of o (A1) ble (A2) ) B1) (Nonriveriosits (B2) (Noriveriosits (B6) ble on Aerial I Leaves (B9) s: sent? Y Y	ne required ine) nriverine) rine) magery (B7	check all that app Salt Crust Biotic Cru Aquatic Ir Oxidized Presence Recent Iro Other (Ex	t (B11) ist (B12) ivertebrate i Sulfide O iRhizosphe of Reduce on Reducti k Surface ( iplain in Re inches):	dor (C1) res along d Iron (C4 on in Tille C7) marks)	d Soils (Co	Seco	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inches): _ Remarks:  Very cobbly  IYDROLOGY  Wetland Hydrolog: Primary Indicators ( Surface Water	y Indicators: (minimum of o (A1) ble (A2) ) B1) (Nonriver posits (B2) (Nor (B3) (Nonriver racks (B6) ble on Aerial I Leaves (B9) s: sent? Y nt? Y ringe)	ne required ine) nriverine) rine) magery (B7 es N es N	check all that app Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Other (Ex	t (B11) list (B12) livertebrate li Sulfide Oc Rhizosphe of Reduce on Reducti k Surface ( plain in Re linches): nches): nches):	dor (C1) res along d Iron (C4 on in Tille C7) marks)	d Soils (Co	Seco	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches):	y Indicators: (minimum of o (A1) ble (A2) ) B1) (Nonriver posits (B2) (Nor (B3) (Nonriver racks (B6) ble on Aerial I Leaves (B9) s: sent? Y nt? Y ringe)	ne required ine) nriverine) rine) magery (B7 es N es N	check all that app Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Other (Ex	t (B11) list (B12) livertebrate li Sulfide Oc Rhizosphe of Reduce on Reducti k Surface ( plain in Re linches): nches): nches):	dor (C1) res along d Iron (C4 on in Tille C7) marks)	d Soils (Co	Seco	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches):	y Indicators: (minimum of o (A1) ble (A2) ) B1) (Nonriver posits (B2) (Nor (B3) (Nonriver racks (B6) ble on Aerial I Leaves (B9) s: sent? Y nt? Y ringe)	ne required ine) nriverine) rine) magery (B7 es N es N	check all that app Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Other (Ex	t (B11) list (B12) livertebrate li Sulfide Oc Rhizosphe of Reduce on Reducti k Surface ( plain in Re linches): nches): nches):	dor (C1) res along d Iron (C4 on in Tille C7) marks)	d Soils (Co	Seco	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches):	y Indicators: (minimum of o (A1) ble (A2) ) B1) (Nonrivering (B3) (Nonrivering (B6) ble on Aerial I Leaves (B6) s: sent? Yent? Yeringe) Data (stream	ne required ine) nriverine) rine) magery (B7 es N es N gauge, moi	check all that app Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Other (Ex	t (B11) list (B12) livertebrate li Sulfide Oc Rhizosphe of Reduce on Reducti k Surface ( plain in Re linches): nches): nches):	dor (C1) res along d Iron (C4 on in Tille C7) marks)	d Soils (Co	Seco	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches): Remarks:  Very cobbly  YDROLOGY  Wetland Hydrology Primary Indicators ( Surface Water	y Indicators: (minimum of o (A1) ble (A2) ) B1) (Nonrivering (B3) (Nonrivering (B6) ble on Aerial I Leaves (B6) s: sent? Yent? Yeringe) Data (stream	ne required ine) nriverine) rine) magery (B7 es N es N gauge, moi	check all that app Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Other (Ex	t (B11) list (B12) livertebrate li Sulfide Oc Rhizosphe of Reduce on Reducti k Surface ( plain in Re linches): nches): nches):	dor (C1) res along d Iron (C4 on in Tille C7) marks)	d Soils (Co	Seco	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)

# WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Stonegate Property		City/County	/։ <u>Chico/ B</u> ւ	utte	Sampling Date:	10/07/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	Sampling Point: _	57a
Investigator(s): Meredith Branstad	<	Section, To	wnship, Rar	nge: <u>Sec 31 &amp; 32, Tow</u>	nship 22North, R	ange 2E
Landform (hillslope, terrace, etc.): <u>terrace</u>		Local relie	f (concave, c	convex, none): concave	e Slope	e (%): <u>4</u>
Subregion (LRR): C	Lat: 39.7	7135		Long: -121.7845	Datum	: NAD83
Soil Map Unit Name: Redtough-Redswale Complex						
Are climatic / hydrologic conditions on the site typical for this						
Are Vegetation, Soil, or Hydrology signature.	_			Normal Circumstances" p		No
Are Vegetation, Soil, or Hydrology na				eded, explain any answe		
				· -		
SUMMARY OF FINDINGS – Attach site map s	nowing	sampiir	ig point ic	ocations, transects	, important fea	tures, etc.
Hydrophytic Vegetation Present? Yes <u>✓</u> No	)	le th	ne Sampled	Δτορ		
Hydric Soil Present? Yes No			nin a Wetlan	,	No	
Wetland Hydrology Present? Yes   ✓ No	)					
Remarks:						
VEGETATION – Use scientific names of plant	S.					
	Absolute		Indicator	Dominance Test work	sheet:	
	% Cover			Number of Dominant S		
1				That Are OBL, FACW,	or FAC:1_	(A)
2				Total Number of Domin		(D)
3				Species Across All Stra	ıta: <u> </u>	(B)
4	0			Percent of Dominant Sp		(A/D)
Sapling/Shrub Stratum (Plot size:)		- Total Oc	) V CI	That Are OBL, FACW,	or FAC: 10C	(A/B)
1				Prevalence Index wor		
2				Total % Cover of:		
3				OBL species		
4				FACW species		
5				FAC species FACU species		
Herb Stratum (Plot size: )		= Total Co	over	UPL species		0
1. Hordeum marinum	95	Yes	FAC	Column Totals:0		
2. <u>Croton setiger</u>	3	No	<u>UPL</u>	oolamii rotais.	(','	<u> </u>
3. Centromadia fitchii	2	No	FACU	Prevalence Index	x = B/A = <u>Na</u>	<u>N</u>
4				Hydrophytic Vegetation		
5	-			Dominance Test is		
6				Prevalence Index is		
7				Morphological Ada data in Remarks	iptations" (Provide s s or on a separate s	upporting sheet)
8				Problematic Hydro	· ·	
Woody Vine Stratum (Plot size:)	100	= Total Co	over			
1				<sup>1</sup> Indicators of hydric soi		
2				be present, unless distu	urbed or problemation	C.
	0	= Total Co	over	Hydrophytic		
% Bare Ground in Herb Stratum % Cover	of Biotic Cr	ust		Vegetation Present? Ye	es 🖊 No	
Remarks:			<u> </u>			

SOIL Sampling Point: 57a

Profile Desc	ription: (Describe	e to the de	pth needed to docu	ment the	indicato	or confirn	n the absenc	e of indicators.)
Depth	Matrix			ox Feature		. 2		
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-6	5YR 3/3	95	soft masses	_ 5	<u></u>	_ <u>M</u>	clay loam	
					-			
			-		-			
							-	
				_				
				_	-			
							-	<u> </u>
	-						-	
			∕I=Reduced Matrix, C			ed Sand G		ocation: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators: (Appli	cable to a	II LRRs, unless othe	rwise not	ed.)		Indicator	s for Problematic Hydric Soils <sup>3</sup> :
Histosol	• •		Sandy Red				1 cm	Muck (A9) (LRR C)
	ipedon (A2)		Stripped M				2 cm	Muck (A10) (LRR B)
Black Hi			Loamy Mu					iced Vertic (F18)
	n Sulfide (A4)		Loamy Gle		(F2)		·	Parent Material (TF2)
	Layers (A5) (LRR	C)	Depleted N				Othe	r (Explain in Remarks)
	ck (A9) ( <b>LRR D</b> )	4	Redox Dar					
	Below Dark Surfa	ce (A11)	Depleted D				3, ,, ,	
	ark Surface (A12)		✓ Redox Dep		<sub>(</sub> F8)			s of hydrophytic vegetation and
	lucky Mineral (S1) lleyed Matrix (S4)		Vernal Poo	115 (F9)				d hydrology must be present, disturbed or problematic.
	_ayer (if present):						unless	disturbed of problematic.
	-							
J							1	
<u> </u>	ches):						Hydric So	il Present? Yes <u>√</u> No
Remarks:								
In closed	depression							
III Closed	acpression							
	CV							
HYDROLO								
Wetland Hyd	drology Indicators	<b>5</b> :						
Primary Indic	ators (minimum of	one requir	ed; check all that app	ly)			Seco	ondary Indicators (2 or more required)
Surface	Water (A1)		Salt Crus	t (B11)				Water Marks (B1) ( <b>Riverine</b> )
High Wa	ter Table (A2)		Biotic Cru	st (B12)				Sediment Deposits (B2) (Riverine)
Saturatio	on (A3)		Aquatic Ir	vertebrate	es (B13)			Drift Deposits (B3) (Riverine)
Water M	arks (B1) ( <b>Nonriv</b> e	rine)	Hydrogen	Sulfide O	dor (C1)		<u> </u>	Drainage Patterns (B10)
Sedimer	nt Deposits (B2) (Ne	onriverine	Oxidized	Rhizosphe	eres alono	g Living Roo	ots (C3)	Dry-Season Water Table (C2)
Drift Dep	osits (B3) (Nonriv	erine)	Presence	of Reduce	ed Iron (C	24)		Crayfish Burrows (C8)
Surface	Soil Cracks (B6)					ed Soils (C	6)	Saturation Visible on Aerial Imagery (C9)
	on Visible on Aerial	Imagery (						Shallow Aquitard (D3)
	tained Leaves (B9)		Other (Ex				· · · · · · · · · · · · · · · · · · ·	FAC-Neutral Test (D5)
Field Observ								· ,
Surface Wate		Vas	No Depth (ir	nches).				
Water Table								
			No Depth (ir					D 10 1/ / N
Saturation Proceeds (includes cap		Yes	No Depth (ir	iches):		Weti	land Hydrolo	gy Present? Yes No
Describe Red	corded Data (strear	n gauge, n	nonitoring well, aerial	photos, pi	revious in	spections),	if available:	
	`	5 5 .	<b>5</b>			, ,,		
Remarks:								
In closed	topographic d	epression	on					

Project/Site: Stonegate Property	(	City/County	: Chico/ Bu	utte	_ Sampling Date:	10/07/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	_ Sampling Point:	58b
Investigator(s): Meredith Branstad	;	Section, To	wnship, Rar	nge: <u>Sec 31 &amp; 32, Tow</u>	nship 22North, Ra	ange 2E
Landform (hillslope, terrace, etc.): terrace		Local relief	(concave, c	convex, none): concav	'e Slope	∍ (%): <u>2</u>
Subregion (LRR): C	Lat: <u>39.7</u>	7152		Long: <u>-121.7843</u>	Datum	: NAD83
Soil Map Unit Name: Redtough-Redswale Complex						
Are climatic / hydrologic conditions on the site typical for th						
Are Vegetation, Soil, or Hydrology	-			Normal Circumstances"	_	No
Are Vegetation, Soil, or Hydrology				eded, explain any answe	•	
SUMMARY OF FINDINGS – Attach site map	snowing	sampiin	g point id	ocations, transects	s, important fea	tures, etc.
Hydrophytic Vegetation Present? Yes 1	No <u> </u>	le th	ne Sampled	Aroa		
Hydric Soil Present? Yes 1	No <u> </u>		in a Wetlan		No <u> </u>	
Wetland Hydrology Present? Yes I	No <u> </u>		a trottan			
Remarks:						
VEGETATION – Use scientific names of plan	nts.					
	Absolute	Dominant	Indicator	Dominance Test work	ksheet:	
Tree Stratum (Plot size:)	% Cover			Number of Dominant S	Species	
1				That Are OBL, FACW,	or FAC:1	(A)
2.				Total Number of Domir		
3				Species Across All Stra	ata: <u>3</u>	(B)
4				Percent of Dominant S		(4.45)
Sapling/Shrub Stratum (Plot size:)		- Total CC	VCI	That Are OBL, FACW,	or FAC:33	(A/B)
1				Prevalence Index wor		
2				Total % Cover of:		
3				OBL species		
4				FACW species		
5				FAC species 20 FACU species 20		30 30
Herb Stratum (Plot size:)		= Total Co	ver	UPL species 15		7 <u>5                                    </u>
1. Erodium botrys	20	Yes	FACU	Column Totals: 5		15 (B)
2. Elymus caput-medusae	15	Yes	<u>UPL</u>		(* ')	(-)
3. <u>Festuca perennis</u>		Yes	FAC		x = B/A = <u>3.90909</u>	0909
4. <u>Triteleia hyacinthina</u>		No	FAC	Hydrophytic Vegetati		
5				Dominance Test is		
6				Prevalence Index i	is ≤3.0 aptations¹ (Provide si	unnorting
7				data in Remark	ks or on a separate s	heet)
8		= Total Co		Problematic Hydro	ophytic Vegetation <sup>1</sup> (I	Explain)
Woody Vine Stratum (Plot size:)		= Total CC	vei			
1				<sup>1</sup> Indicators of hydric so		
2				be present, unless dist	urbed or problematic	j.
	0	= Total Co	ver	Hydrophytic Vegetation		
% Bare Ground in Herb Stratum45	er of Biotic Cr	ust		Present? Ye	es No_ <b>_</b> ✓	<u></u>
Remarks:				<u>I</u>		

SOIL Sampling Point: 58b

## Color (moist) ## Color (moist) ## Location (Color (Moist) ## Location (Moist) ## Loca	Depth	Matrix			ox Feature	S			
Type: C-Concentration, D-Depletion, RM-Reduced Matrix, CS-Covered or Coated Sand Grains.  Type: C-Concentration, D-Depletion, RM-Reduced Matrix, CS-Covered or Coated Sand Grains.  Thydric Soil Indicators: (Applicable to all ILRRs, unless otherwise noted.)  Histoso (AN)  Histoso (A					_				Remarks
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)  Histosol (A2)  Sandy Redox (S5)  Black Histic (A3)  Loamy Mucky Mineral (F1)  Reduced Vertic (F18)  Hydricgen Sulfide (A4)  Loamy Mucky Mineral (F2)  Stratified Layers (A5) (LRR C)  Depleted Matrix (F2)  Depleted Matrix (F2)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F1)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Wetnal Pools (F9)  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required: check all that apply)  Secondary Indicators (B11)  Hydric Soil Present? Yes No ✓  Presence of Reduced Iron (C4)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Drift Deposits (B2) (Nonriverine)  Surface Soil Cracks (B6)  Redox Dark Surface (G1)  Solfized Silvarde	0-6	5YR 3/4	<u>97</u>	soft masses	_ 3	_ <u>C</u>	_M	soft loam	
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)  Histosol (A2)  Sandy Redox (S5)  Black Histic (A3)  Loamy Mucky Mineral (F1)  Reduced Vertic (F18)  Hydricgen Sulfide (A4)  Loamy Mucky Mineral (F2)  Stratified Layers (A5) (LRR C)  Depleted Matrix (F2)  Depleted Matrix (F2)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F1)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Wetnal Pools (F9)  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required: check all that apply)  Secondary Indicators (B11)  Hydric Soil Present? Yes No ✓  Presence of Reduced Iron (C4)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Drift Deposits (B2) (Nonriverine)  Surface Soil Cracks (B6)  Redox Dark Surface (G1)  Solfized Silvarde									
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)  Histosol (A2)  Sandy Redox (S5)  Black Histic (A3)  Loamy Mucky Mineral (F1)  Reduced Vertic (F18)  Hydricgen Sulfide (A4)  Loamy Mucky Mineral (F2)  Stratified Layers (A5) (LRR C)  Depleted Matrix (F2)  Depleted Matrix (F2)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F1)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Wetnal Pools (F9)  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required: check all that apply)  Secondary Indicators (B11)  Hydric Soil Present? Yes No ✓  Presence of Reduced Iron (C4)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Drift Deposits (B2) (Nonriverine)  Surface Soil Cracks (B6)  Redox Dark Surface (G1)  Solfized Silvarde									
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)  Histosol (A2)  Sandy Redox (S5)  Black Histic (A3)  Loamy Mucky Mineral (F1)  Reduced Vertic (F18)  Hydricgen Sulfide (A4)  Loamy Mucky Mineral (F2)  Stratified Layers (A5) (LRR C)  Depleted Matrix (F2)  Depleted Matrix (F2)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F1)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Wetnal Pools (F9)  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required: check all that apply)  Secondary Indicators (B11)  Hydric Soil Present? Yes No ✓  Presence of Reduced Iron (C4)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Drift Deposits (B2) (Nonriverine)  Surface Soil Cracks (B6)  Redox Dark Surface (G1)  Solfized Silvarde									
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)  Histosol (A2)  Sandy Redox (S5)  Black Histic (A3)  Loamy Mucky Mineral (F1)  Reduced Vertic (F18)  Hydricgen Sulfide (A4)  Loamy Mucky Mineral (F2)  Stratified Layers (A5) (LRR C)  Depleted Matrix (F2)  Depleted Matrix (F2)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F1)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Wetnal Pools (F9)  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required: check all that apply)  Secondary Indicators (B11)  Hydric Soil Present? Yes No ✓  Presence of Reduced Iron (C4)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Drift Deposits (B2) (Nonriverine)  Surface Soil Cracks (B6)  Redox Dark Surface (G1)  Solfized Silvarde									
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)  Histosol (A2)  Sandy Redox (S5)  Black Histic (A3)  Loamy Mucky Mineral (F1)  Reduced Vertic (F18)  Hydricgen Sulfide (A4)  Loamy Mucky Mineral (F2)  Stratified Layers (A5) (LRR C)  Depleted Matrix (F2)  Depleted Matrix (F2)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F1)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Wetnal Pools (F9)  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required: check all that apply)  Secondary Indicators (B11)  Hydric Soil Present? Yes No ✓  Presence of Reduced Iron (C4)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Drift Deposits (B2) (Nonriverine)  Surface Soil Cracks (B6)  Redox Dark Surface (G1)  Solfized Silvarde		-							
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)  Histosol (A2)  Sandy Redox (S5)  Black Histic (A3)  Loamy Mucky Mineral (F1)  Reduced Vertic (F18)  Hydricgen Sulfide (A4)  Loamy Mucky Mineral (F2)  Stratified Layers (A5) (LRR C)  Depleted Matrix (F2)  Depleted Matrix (F2)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F1)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Wetnal Pools (F9)  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required: check all that apply)  Secondary Indicators (B11)  Hydric Soil Present? Yes No ✓  Presence of Reduced Iron (C4)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Drift Deposits (B2) (Nonriverine)  Surface Soil Cracks (B6)  Redox Dark Surface (G1)  Solfized Silvarde			-	-					
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)  Histosol (A2)  Sandy Redox (S5)  Black Histic (A3)  Loamy Mucky Mineral (F1)  Reduced Vertic (F18)  Hydricgen Sulfide (A4)  Loamy Mucky Mineral (F2)  Stratified Layers (A5) (LRR C)  Depleted Matrix (F2)  Depleted Matrix (F2)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F1)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Wetnal Pools (F9)  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required: check all that apply)  Secondary Indicators (B11)  Hydric Soil Present? Yes No ✓  Presence of Reduced Iron (C4)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Drift Deposits (B2) (Nonriverine)  Surface Soil Cracks (B6)  Redox Dark Surface (G1)  Solfized Silvarde				-					
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)  Histosol (A2)  Sandy Redox (S5)  Black Histic (A3)  Loamy Mucky Mineral (F1)  Reduced Vertic (F18)  Hydricgen Sulfide (A4)  Loamy Mucky Mineral (F2)  Stratified Layers (A5) (LRR C)  Depleted Matrix (F2)  Depleted Matrix (F2)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F1)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Wetnal Pools (F9)  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required: check all that apply)  Secondary Indicators (B11)  Hydric Soil Present? Yes No ✓  Presence of Reduced Iron (C4)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Solfized Silvarde (G1)  Drift Deposits (B2) (Nonriverine)  Surface Soil Cracks (B6)  Redox Dark Surface (G1)  Solfized Silvarde	1							. 2.	
Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C) Histic Epipedon (A2) Shipped Matrix (S6) 2 cm Muck (A10) (LRR B) Black Histic (A3) 2 com Muck (A10) (LRR B) Black Histic (A3) 2 com Muck (A10) (LRR B) Hydrogen Sulfide (A4) 2 Loamy Kleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) 2 Other (Explain in Remarks)  1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F6) Depleted Below Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Welland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if present): Type: Depth (inches): Hydric Soil Present? Yes No ✓ Remarks:    IVDROLOGY   Hydric Soil Present? Yes No ✓   Wettand Hydrology Indicators:   Hydric Soil Present? Yes No ✓   Hydric Soil Present? Yes No ✓   Water Marks (B1) (Nonriverine) Hydrology Mater (A11) Deposits (B2) (Riverine)   Hydric Soil Present (B13) Derial Regoverine Patterns (B10)   Sediment Deposits (B2) (Nonriverine) Presence of Reduced from (C4) Drainage Patterns (B10)   Sediment Deposits (B3) (Nonriverine) Presence of Reduced from (C4) Drainage Patterns (B10)   Surface Walic Tracks (B4) (Nonriverine) Presence of Reduced from (C4) Shallow Aquillard (D3)   Surface Soil Cracks (B4) Recent Inne Reduction in Tilled Soils (C6) Shallow Aquillard (D3)   Water Staile On Acrial Imagery (B7) Thin Muck Surface (C7) Shallow Aquillard (D3)   Water Staile Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Water Barber Present? Yes No Depth (inches): Water Barber Present? Yes No Depth (inches): Water Barber Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:							ed Sand G		
Histic Epipedon (A2)   Stripped Matrix (S6)   2 cm Muck (A10) (LRR B)   Black Histic (A3)   Loamy Mucky Mineral (F1)   Reduced Vertic (F18)   Hydrogen Suffice (A4)   Loamy Gleyed Matrix (F2)   Red Parent Material (TF2)   Stratified Layers (A5) (LRR C)   Depleted Matrix (F3)   Other (Explain in Remarks)   1 cm Muck (A9) (LRR D)   Redox Dark Surface (F6)   Depleted Below Dark Surface (A11)   Depleted Dark Surface (F7)   Thick Dark Surface (A12)   Redox Depressions (F8)   **indicators of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic.   Sandy Mucky Mineral (S1)   Vernal Pools (F9)   unless disturbed or problematic.   Restrictive Layer (if present):   Type:   Depth (inches):   Primary indicators:   Hydric Soil Present?   Yes No✓   Remarks:     No Secondary Indicators (2 or more required)	•		cable to al			eu.)			•
Black Histlic (A3)		` '							
Hydrogen Sulfide (Aa)						ıl (F1)			
Stratified Layers (A5) (LRR C)		٠, ,		-	-				,
I cm Muck (A9) (LRR D)			C)		-	. (- –)			
Thick Dark Surface (A12) Redox Depressions (F8) Alunciators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if present):  Type:			,			(F6)			,
Sandy Mucky Mineral (S1)	Deplete	d Below Dark Surfa	ce (A11)	Depleted D	Dark Surfac	ce (F7)			
Sandy Gleyed Matrix (S4) unless disturbed or problematic.  Restrictive Layer (if present):  Type:	Thick D	ark Surface (A12)		Redox Dep	oressions (	F8)			
Restrictive Layer (if present): Type: Depth (inches):  Hydric Soil Present? Yes No	-	-		Vernal Poo	ols (F9)				
Type:								unless dis	sturbed or problematic.
Remarks:    Hydric Soil Present? Yes									
National Properties	J								
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required: check all that apply)  Surface Water (A1)  High Water Table (A2)  Salt Crust (B11)  Aquatic Invertebrates (B13)  Water Marks (B1) (Riverine)  Saturation (A3)  Aquatic Invertebrates (B13)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Sediment Deposits (B3) (Riverine)  Drift Deposits (B3) (Nonriverine)  Presence of Reduced Iron (C4)  Surface Soil Cracks (B6)  Recent Iron Reduction in Tilled Soils (C6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Other (Explain in Remarks)  FAC-Neutral Test (D5)  Field Observations:  Surface Water Present?  Yes  No  Depth (inches):  Wetland Hydrology Present? Yes  No  Depth (inches):  Wetland Hydrology Present? Yes  No  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Depth (in	ches):						Hydric Soil I	Present? Yes No
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; check all that apply)       Secondary Indicators (2 or more required)         _ Surface Water (A1)       _ Salt Crust (B11)       _ Water Marks (B1) (Riverine)         _ High Water Table (A2)       _ Biotic Crust (B12)       _ Sediment Deposits (B2) (Riverine)         _ Saturation (A3)       _ Aquatic Invertebrates (B13)       _ Drift Deposits (B3) (Riverine)         _ Water Marks (B1) (Nonriverine)       _ Hydrogen Sulfide Odor (C1)       _ Drainage Patterns (B10)         _ Sediment Deposits (B2) (Nonriverine)       _ Oxidized Rhizospheres along Living Roots (C3)       _ Dry-Season Water Table (C2)         _ Drift Deposits (B3) (Nonriverine)       _ Presence of Reduced Iron (C4)       _ Crayfish Burrows (C8)         _ Surface Soil Cracks (B6)       _ Recent Iron Reduction in Tilled Soils (C6)       _ Saturation Visible on Aerial Imagery (C9)         _ Inundation Visible on Aerial Imagery (B7)       _ Thin Muck Surface (C7)       _ Shallow Aquitard (D3)         _ Water-Stained Leaves (B9)       _ Other (Explain in Remarks)       _ FAC-Neutral Test (D5)         Field Observations:         Surface Water Present?       Yes       _ No       _ Depth (inches):       _ Wetland Hydrology Present? Yes       _ No       _ ✓         Saturation Present?       Yes       _ No       _ Depth (inches):	Remarks:								
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; check all that apply)       Secondary Indicators (2 or more required)         _ Surface Water (A1)       _ Salt Crust (B11)       _ Water Marks (B1) (Riverine)         _ High Water Table (A2)       _ Biotic Crust (B12)       _ Sediment Deposits (B2) (Riverine)         _ Saturation (A3)       _ Aquatic Invertebrates (B13)       _ Drift Deposits (B3) (Riverine)         _ Water Marks (B1) (Nonriverine)       _ Hydrogen Sulfide Odor (C1)       _ Drainage Patterns (B10)         _ Sediment Deposits (B2) (Nonriverine)       _ Oxidized Rhizospheres along Living Roots (C3)       _ Dry-Season Water Table (C2)         _ Drift Deposits (B3) (Nonriverine)       _ Presence of Reduced Iron (C4)       _ Crayfish Burrows (C8)         _ Surface Soil Cracks (B6)       _ Recent Iron Reduction in Tilled Soils (C6)       _ Saturation Visible on Aerial Imagery (C9)         _ Inundation Visible on Aerial Imagery (B7)       _ Thin Muck Surface (C7)       _ Shallow Aquitard (D3)         _ Water-Stained Leaves (B9)       _ Other (Explain in Remarks)       _ FAC-Neutral Test (D5)         Field Observations:         Surface Water Present?       Yes       _ No       _ Depth (inches):       _ Wetland Hydrology Present? Yes       _ No       _ ✓         Saturation Present?       Yes       _ No       _ Depth (inches):									
Primary Indicators (minimum of one required; check all that apply)  Secondary Indicators (2 or more required)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Aquatic Invertebrates (B13)  Water Marks (B1) (Riverine)  Hydrogen Sulfide Odor (C1)  Sediment Deposits (B3) (Riverine)  Presence of Reduced Iron (C4)  Surface Soil Cracks (B6)  Recent Iron Reduction in Tilled Soils (C6)  Suturation Visible on Aerial Imagery (B7)  Thin Muck Surface (C7)  Water Present?  Yes  No  Depth (inches):  Sediment Deposits (B2) (Riverine)  Drainage Patterns (B10)  Drainage Patterns (B10)  Drainage Patterns (B10)  Dray-Season Water Table (C2)  Drift Deposits (B3) (Nonriverine)  Presence of Reduced Iron (C4)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Inundation Visible on Aerial Imagery (B7)  Thin Muck Surface (C7)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Field Observations:  Surface Water Present?  Yes  No  Depth (inches):  Wetland Hydrology Present? Yes  No  Ves  No  Ves  No  Depth (inches):  Saturation Present? Yes  No  Depth (inches):  Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drainage Patterns (B10)  Drainage Patt									
Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) High Water Table (A2) Biotic Crust (B12) Sediment Deposits (B2) (Riverine)  Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine)  Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10)  Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2)  Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8)  Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3)  Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5)  Field Observations:  Surface Water Present? Yes No Depth (inches):  Water Table Present? Yes No Depth (inches):  Wetland Hydrology Present? Yes No ✓ (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	•	0,5							
High Water Table (A2)  Saturation (A3)  Aquatic Invertebrates (B13)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Riverine)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Sediment Deposits (B3) (Nonriverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Drift Deposits (B3) (Nonriverine)  Presence of Reduced Iron (C4)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Other (Explain in Remarks)  FAC-Neutral Test (D5)  Field Observations:  Surface Water Present?  Yes No Depth (inches):  Water Table Present?  Yes No Depth (inches):  Wetland Hydrology Present? Yes No ✓  (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			one require						· · · · · · · · · · · · · · · · · · ·
Saturation (A3)		` '			` '				
Water Marks (B1) (Nonriverine)				Biotic Cru	ıst (B12)				
Sediment Deposits (B2) (Nonriverine)	<del></del>								•
Drift Deposits (B3) (Nonriverine)	· <del></del>								-
Surface Soil Cracks (B6)		•		· <del></del>	•	_	-	· · · · · · · · · · · · · · · · · · ·	-
			erine)	<del></del>					
	<del></del>						d Soils (C	-	0 3 1 1
Field Observations:  Surface Water Present? Yes No Depth (inches):  Water Table Present? Yes No Depth (inches):  Saturation Present? Yes No Depth (inches):  (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			0 , .						
Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No ✓  (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:				Other (Ex	cplain in Re	emarks)		FA	AC-Neutral Test (D5)
Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No ✓ (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:									
Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Velicular Saturation Present Pre	Surface Wat	ter Present?	Yes	No Depth (ir	nches):		_		
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Water Table	Present?	Yes	No Depth (ir	nches):		<u> </u>		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			Yes	No Depth (ir	nches):		Wet	land Hydrology	Present? Yes No
	(Includes ca	piliary fringe) corded Data (stream	m daline m	onitoring well serial	nhotos pr	evious inc	spections)	if available.	
Remarks:	Describe Ke	corded Data (streat	ii gauge, ii	ioriitoring well, aeriai	priotos, pr	evious iris	spections)	ii avaliable.	
INCHIGING.	Damarka								
	Kemarks.								

Project/Site: Stonegate Property	(	City/Count	ty: <u>Chico/ B</u> ı	utte	Sampling Date: 10/07/20	)16
Applicant/Owner: Epick Homes, Inc.				State: CA	Sampling Point: 59b	
Investigator(s): Meredith Branstad	;	Section, T	ownship, Rar	nge: <u>Sec 31 &amp; 32, Tow</u>	nship 22North, Range 2E	
Landform (hillslope, terrace, etc.): terrace		Local relie	ef (concave, c	convex, none): concav	e Slope (%):1	1
Subregion (LRR): C	Lat: <u>39.7</u>	7164		Long: <u>-121.7846</u>	Datum: NAD83	
Soil Map Unit Name: Redtough-Redswale Complex						
Are climatic / hydrologic conditions on the site typical for the						
Are Vegetation, Soil, or Hydrology	-				present? Yes <u>√</u> No	
Are Vegetation, Soil, or Hydrology				eded, explain any answe		
SUMMARY OF FINDINGS – Attach site map	Snowing	Sampili	ng point id		s, important leatures, et	ic.
Hydrophytic Vegetation Present? Yes	No <u> </u>	ls t	the Sampled	<b>A</b> rea		
Hydric Soil Present? Yes	_		thin a Wetlan		No <u>√</u> _	
Wetland Hydrology Present? Yes	No					
Remarks:						
VEGETATION – Use scientific names of pla	nts.					
			nt Indicator	Dominance Test work	ksheet:	
Tree Stratum (Plot size:)		•	? Status	Number of Dominant S		
1				That Are OBL, FACW,	or FAC: (A)	
2				Total Number of Domir		
3				Species Across All Stra	ata: <u>2</u> (B)	
T	0			Percent of Dominant S	pecies or FAC:50 (A/E	(D)
Sapling/Shrub Stratum (Plot size:)						D)
1		-	'	Prevalence Index wor		
2					Multiply by:	
3.					x 1 =0	
4					x 2 = 10 x 3 = 126	
5				The state of the s	x 4 = 164	
Herb Stratum (Plot size:)		- Total C	Ovei	UPL species 11		
1. Bromus hordeaceus	40	Yes	<u>FACU</u>	Column Totals: 9		3)
2. <u>Festuca perennis</u>		Yes	<u>FAC</u>		2 5050505050	
3. Elymus caput-medusae		<u>No</u>	<u>UPL</u>		x = B/A = <u>3.58585858</u>	
4. Eryngium vaseyi		No No	<u>FACW</u>	Hydrophytic Vegetation  Dominance Test is		
5. Triteleia hyacinthina		No	FAC	Prevalence Index is		
6. <u>Centromadia fitchii</u> 7. Croton setiger		No No	_ <u>FACU</u> UPL		aptations <sup>1</sup> (Provide supporting	
7. <u>Croton setiger</u> 8		110		data in Remark	ss or on a separate sheet)	
o		= Total C	- —   Cover	Problematic Hydro	ophytic Vegetation <sup>1</sup> (Explain)	
Woody Vine Stratum (Plot size:)						
1				Indicators of hydric so be present, unless dist	oil and wetland hydrology must	
2				•		
	0	= Total C	over	Hydrophytic Vegetation		
% Bare Ground in Herb Stratum 5 % Cov	er of Biotic Cr	ust		Present? Ye	es No	
Remarks:						

SOIL Sampling Point: 59b

Depth (inches) C	color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
	YR 2.5/3		2.5YR 4/6	3	С	М	loam	Prominent mottles
	=, -		soft masses	2	C	M		
			301111103303			141		
		. <u> </u>						
Type: C-Concen	tration D-Den	letion RM-	Reduced Matrix, C	S-Covered	d or Coate	d Sand G	rains <sup>2</sup> l o	cation: PL=Pore Lining, M=Matrix.
			RRs, unless othe			a Sana O		s for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)			Sandy Red		·			Muck (A9) (LRR C)
Histic Epipedo	on (A2)		Stripped M					Muck (A10) (LRR B)
Black Histic (A			Loamy Mud					ced Vertic (F18)
Hydrogen Sulf			Loamy Gle	•	(F2)			Parent Material (TF2)
	ers (A5) ( <b>LRR (</b>	C)	Depleted M		(E ( )		Other	(Explain in Remarks)
1 cm Muck (A	9) ( <b>LRR D</b> ) ow Dark Surfac	o (A11)	Redox Darl Depleted D					
Depleted Belo Thick Dark Su		e (ATT)	Depleted D				<sup>3</sup> Indicators	s of hydrophytic vegetation and
Sandy Mucky			Vernal Poo		,			hydrology must be present,
Sandy Gleyed			<del></del>					disturbed or problematic.
Restrictive Layer	(if present):							
T								
ı ype:								
Depth (inches):			<u> </u>				Hydric Soi	I Present? Yes <u>√</u> No
			_				Hydric Soi	I Present? Yes <u>√</u> No
Depth (inches): Remarks:							Hydric Soi	I Present? Yes <u>√</u> No
Depth (inches): Remarks:  YDROLOGY							Hydric Soi	I Present? Yes <u>√</u> No
Depth (inches): Remarks:  YDROLOGY  Wetland Hydrolog	gy Indicators:							
Depth (inches): Remarks:  YDROLOGY  Wetland Hydrolog  Primary Indicators	gy Indicators: (minimum of o		check all that app	ly)			Seco	ndary Indicators (2 or more required)
Depth (inches): Remarks:  YDROLOGY Wetland Hydrolog Primary Indicators Surface Watel	gy Indicators: (minimum of o		check all that app	(B11)			<u>Seco</u>	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> )
Depth (inches): Remarks:  YDROLOGY Wetland Hydrolog Primary Indicators Surface Water High Water Ta	gy Indicators: (minimum of o		check all that app Salt Crust Biotic Cru	(B11) st (B12)			Seco\ \	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> )
Depth (inches): Remarks:  YVDROLOGY Wetland Hydrolog Primary Indicators Surface Water High Water Ta Saturation (A3	gy Indicators: (minimum of o r (A1) able (A2)	ne required	check all that app Salt Crust Biotic Cru	(B11) st (B12) vertebrate			<u>Seco</u> \ \s	ndary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)
Depth (inches):  Remarks:  YDROLOGY  Wetland Hydrolog  Primary Indicators  Surface Water  High Water Ta  Saturation (A3  Water Marks (	gy Indicators: (minimum of or (A1) able (A2) 3) (B1) (Nonriver	ne required	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen	(B11) st (B12) vertebrate Sulfide Od	dor (C1)	Living Do	Seco — V — S	ndary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)
Depth (inches):  Remarks:  IYDROLOGY  Wetland Hydrolog  Primary Indicators  Surface Water  High Water Ta  Saturation (A3  Water Marks (  Sediment Dep	gy Indicators: (minimum of or (A1) able (A2) 3) (B1) (Nonriverionsits (B2) (Non	ne required ine) nriverine)	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I	(B11) st (B12) vertebrate Sulfide Oo Rhizosphe	dor (C1) res along		Seco \ \ \ \ \ \ \	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
Depth (inches):  Remarks:  IYDROLOGY  Wetland Hydrolog  Primary Indicators  Surface Water  High Water Ta  Saturation (A3  Water Marks (  Sediment Dep  Drift Deposits	gy Indicators: (minimum of o r (A1) able (A2) 3) (B1) (Nonriver oosits (B2) (Nor (B3) (Nonriver	ne required ine) nriverine)	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I	(B11) st (B12) vertebrate Sulfide Oo Rhizosphe of Reduce	dor (C1) res along ed Iron (C	1)	Seco\ S [ [ [ [	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8)
Depth (inches):  Remarks:  IYDROLOGY  Wetland Hydrolog  Primary Indicators  Surface Water  High Water Ta  Saturation (A3  Water Marks (  Sediment Dep  Drift Deposits  Surface Soil C	gy Indicators: (minimum of o r (A1) able (A2) 3) (B1) (Nonriver bosits (B2) (Noriver (B3) (Nonriver	ne required ine) nriverine) rine)	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I	(B11) st (B12) vertebrate Sulfide Oo Rhizosphe of Reduce on Reducti	dor (C1) res along ed Iron (C4 on in Tille	1)	Seco\ S [ [ [ [	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Depth (inches):  Remarks:  IYDROLOGY  Wetland Hydrolog  Primary Indicators  Surface Water  High Water Ta  Saturation (A3  Water Marks ( Sediment Dep  Drift Deposits  Surface Soil C  Inundation Visi	gy Indicators: (minimum of or (A1) able (A2) 3) (B1) (Nonriver cosits (B2) (Noriver (B3) (Nonriver	ne required ine) nriverine) rine)	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc	(B11) st (B12) vertebrate Sulfide Oc Rhizosphe of Reduce on Reducti c Surface (	dor (C1) res along ed Iron (C4 on in Tille	1)	Seco	ndary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C4)  Shallow Aquitard (D3)
Depth (inches):  Remarks:  IYDROLOGY  Wetland Hydrolog  Primary Indicators  Surface Water  High Water Ta  Saturation (A3  Water Marks ( Sediment Dep  Drift Deposits  Surface Soil C  Inundation Vis  Water-Stained	gy Indicators: (minimum of or (A1) able (A2) 3) (B1) (Nonriver (B3) (Nonriver (B3	ne required ine) nriverine) rine)	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I	(B11) st (B12) vertebrate Sulfide Oc Rhizosphe of Reduce on Reducti c Surface (	dor (C1) res along ed Iron (C4 on in Tille	1)	Seco	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Depth (inches):  Remarks:  IYDROLOGY  Wetland Hydrolog  Primary Indicators  Surface Water  High Water Ta  Saturation (A3  Water Marks ( Sediment Dep  Drift Deposits  Surface Soil C  Inundation Vis  Water-Stained  Field Observation	gy Indicators: (minimum of or (A1) able (A2) B) (B1) (Nonriver cosits (B2) (Noriver cracks (B6) sible on Aerial I d Leaves (B9)	ne required ine) nriverine) rine) magery (B7	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Iro Other (Ex	(B11) st (B12) vertebrate Sulfide Oc Rhizosphe of Reduce on Reducti c Surface ( plain in Re	dor (C1) res along d Iron (C4 on in Tille (C7) emarks)	t) d Soils (Co	Seco	ndary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C4)  Shallow Aquitard (D3)
Depth (inches):  Remarks:  IYDROLOGY  Wetland Hydrolog  Primary Indicators  Surface Water High Water Ta Saturation (A3 Water Marks ( Sediment Dep Drift Deposits Surface Soil C Inundation Vis Water-Stained  Field Observation	gy Indicators: (minimum of o r (A1) able (A2) 3) (B1) (Nonriver bosits (B2) (Nor (B3) (Nonriver Cracks (B6) sible on Aerial I d Leaves (B9) ns:	ine) nriverine) rine) magery (B7	check all that app Salt Crust Biotic Cru Aquatic In Oxidized I Presence Recent Iro Other (Ex	(B11) st (B12) vertebrate Sulfide Oo Rhizosphe of Reduce on Reducti c Surface ( plain in Re	dor (C1) res along d Iron (C- on in Tille (C7) emarks)	t) d Soils (Co	Seco	ndary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C4)  Shallow Aquitard (D3)
Depth (inches):  Remarks:  IYDROLOGY  Wetland Hydrolog  Primary Indicators  Surface Water  High Water Ta  Saturation (A3  Water Marks ( Sediment Dep  Drift Deposits  Surface Soil C  Inundation Vis  Water-Stained  Field Observation  Surface Water Preservation	gy Indicators: (minimum of or (A1) able (A2) B) (B1) (Nonriver) cosits (B2) (Noriver) cracks (B6) sible on Aerial I d Leaves (B9) ns: esent? Yent? Y	ine) nriverine) magery (B7	check all that app Salt Crust Biotic Cru Aquatic In Oxidized I Presence Recent Irc Thin Muck Other (Ex	(B11) st (B12) vertebrate Sulfide Oc Rhizosphe of Reduce on Reducti c Surface ( plain in Re ches): ches):	dor (C1) res along d Iron (C4 on in Tille C7) emarks)	l) d Soils (Co	Seco \	ndary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Depth (inches):  Remarks:  YDROLOGY  Wetland Hydrolog  Primary Indicators  Surface Water High Water Ta Saturation (A3 Water Marks ( Sediment Dep Drift Deposits Surface Soil C Inundation Vis Water-Stained  Field Observation  Surface Water Present Water Table Present (includes capillary	gy Indicators: (minimum of o r (A1) able (A2) 3) (B1) (Nonriver bosits (B2) (Non (B3) (Nonriver cracks (B6) sible on Aerial I d Leaves (B9) ns: esent? y fringe)	ine) nriverine) rine) magery (B7 es N es N	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Thin Muck Other (Ex	(B11) st (B12) vertebrate Sulfide Oc Rhizosphe of Reduce on Reducti s Surface ( plain in Re ches): ches): ches):	dor (C1) res along ed Iron (C4 on in Tille C7) emarks)	d Soils (Co	Seco	ndary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C4)  Shallow Aquitard (D3)
Depth (inches):  Remarks:  IYDROLOGY  Wetland Hydrolog  Primary Indicators  Surface Water High Water Ta Saturation (A3 Water Marks ( Sediment Dep Drift Deposits Surface Soil C Inundation Vis Water-Stained  Field Observation  Surface Water Present Water Table Present (includes capillary	gy Indicators: (minimum of o r (A1) able (A2) 3) (B1) (Nonriver bosits (B2) (Non (B3) (Nonriver cracks (B6) sible on Aerial I d Leaves (B9) ns: esent? y fringe)	ine) nriverine) rine) magery (B7 es N es N	check all that app Salt Crust Biotic Cru Aquatic In Oxidized I Presence Recent Irc Thin Muck Other (Ex	(B11) st (B12) vertebrate Sulfide Oc Rhizosphe of Reduce on Reducti s Surface ( plain in Re ches): ches): ches):	dor (C1) res along ed Iron (C4 on in Tille C7) emarks)	d Soils (Co	Seco	ndary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Depth (inches):  Remarks:  IYDROLOGY  Wetland Hydrolog  Primary Indicators  Surface Water  High Water Ta  Saturation (A3  Water Marks ( Sediment Dep  Drift Deposits  Surface Soil C  Inundation Vis  Water-Stained  Field Observation  Surface Water Present Water Table Present (includes capillary Describe Recorded	gy Indicators: (minimum of o r (A1) able (A2) 3) (B1) (Nonriver bosits (B2) (Non (B3) (Nonriver cracks (B6) sible on Aerial I d Leaves (B9) ns: esent? y fringe)	ine) nriverine) rine) magery (B7 es N es N	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Thin Muck Other (Ex	(B11) st (B12) vertebrate Sulfide Oc Rhizosphe of Reduce on Reducti s Surface ( plain in Re ches): ches): ches):	dor (C1) res along ed Iron (C4 on in Tille C7) emarks)	d Soils (Co	Seco	ndary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Depth (inches):  Remarks:  IYDROLOGY  Wetland Hydrolog  Primary Indicators  Surface Water High Water Ta Saturation (A3 Water Marks ( Sediment Dep Drift Deposits Surface Soil C Inundation Vis Water-Stained  Field Observation  Surface Water Present Water Table Present (includes capillary	gy Indicators: (minimum of o r (A1) able (A2) 3) (B1) (Nonriver bosits (B2) (Non (B3) (Nonriver cracks (B6) sible on Aerial I d Leaves (B9) ns: esent? y fringe)	ine) nriverine) rine) magery (B7 es N es N	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Thin Muck Other (Ex	(B11) st (B12) vertebrate Sulfide Oc Rhizosphe of Reduce on Reducti s Surface ( plain in Re ches): ches): ches):	dor (C1) res along ed Iron (C4 on in Tille C7) emarks)	d Soils (Co	Seco	ndary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Depth (inches):  Remarks:  IYDROLOGY  Wetland Hydrolog  Primary Indicators  Surface Water  High Water Ta  Saturation (A3  Water Marks ( Sediment Dep  Drift Deposits  Surface Soil C  Inundation Vis  Water-Stained  Field Observation  Surface Water Present Water Table Present (includes capillary Describe Recorded	gy Indicators: (minimum of or (A1) able (A2) 3) (B1) (Nonriver cosits (B2) (Noriver cracks (B6) sible on Aerial I d Leaves (B9) ns: esent? Y ent? Y fringe) d Data (stream	ne required  ine) nriverine) rine) magery (B7 es N es N gauge, mod	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Thin Muck Other (Ex	(B11) st (B12) vertebrate Sulfide Oc Rhizosphe of Reduce on Reducti s Surface ( plain in Re ches): ches): ches):	dor (C1) res along ed Iron (C4 on in Tille C7) emarks)	d Soils (Co	Seco	ndary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Depth (inches):  Remarks:  IYDROLOGY  Wetland Hydrolog  Primary Indicators  Surface Water  High Water Ta  Saturation (A3  Water Marks ( Sediment Dep  Drift Deposits  Surface Soil Co  Inundation Vis  Water-Stained  Field Observation  Surface Water Present  Water Table Present  (includes capillary  Describe Recorded  Remarks:	gy Indicators: (minimum of or (A1) able (A2) 3) (B1) (Nonriver cosits (B2) (Noriver cracks (B6) sible on Aerial I d Leaves (B9) ns: esent? Y ent? Y fringe) d Data (stream	ne required  ine) nriverine) rine) magery (B7 es N es N gauge, mod	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Thin Muck Other (Ex	(B11) st (B12) vertebrate Sulfide Oc Rhizosphe of Reduce on Reducti s Surface ( plain in Re ches): ches): ches):	dor (C1) res along ed Iron (C4 on in Tille C7) emarks)	d Soils (Co	Seco	ndary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Orift Deposits (B3) (Riverine)  Orainage Patterns (B10)  Ory-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)

Project/Site: Stonegate Property	City	/County: Chico/ Bu	utte	Sampling Date: 10/07/2016
Applicant/Owner: Epick Homes, Inc.			State: CA	Sampling Point: 60a
Investigator(s): Meredith Branstad	Sec	tion, Township, Rar	nge: <u>Sec 31 &amp; 32, Tow</u>	nship 22North, Range 2E
Landform (hillslope, terrace, etc.): terrace	Loc	cal relief (concave, c	convex, none): concave	e Slope (%): 1
Subregion (LRR): C	Lat: 39.725	52	Long: <u>-121.7826</u>	Datum: NAD83
Soil Map Unit Name: Redtough-Redswale Complex				
Are climatic / hydrologic conditions on the site typical for t				
Are Vegetation, Soil, or Hydrology	_			oresent? Yes <u>√</u> No
Are Vegetation, Soil, or Hydrology			eded, explain any answe	·
SUMMARY OF FINDINGS – Attach site ma				
SUMMART OF FINDINGS - Attach site ma	p showing sa		Cations, transects	-, important leatures, etc.
Hydrophytic Vegetation Present? Yes		Is the Sampled	Area	
Hydric Soil Present?  Yes		within a Wetlan		No
Wetland Hydrology Present? Yes✓ Remarks:	No			
Remarks.				
VEGETATION – Use scientific names of pla				
Tree Stratum (Plot size:)		ominant Indicator oecies? Status	Dominance Test work	
1			Number of Dominant S That Are OBL, FACW,	
2				
3.			Total Number of Domir Species Across All Stra	
4			Percent of Dominant S	
Cardina (Charda Charlana (Dishaira	=	Γotal Cover		or FAC:100 (A/B)
Sapling/Shrub Stratum (Plot size:)  1			Prevalence Index wor	·ksheet·
2				Multiply by:
3				x 1 =0
4.				x 2 =0
5			FAC species	x 3 =
	= -	Γotal Cover	FACU species	x 4 =0
Herb Stratum (Plot size:)  1. Hordeum marinum	70 Y	es FAC		x 5 =
Festuca perennis			Column Totals:	) (A) <u>0</u> (B)
3			Prevalence Index	x = B/A = <u>NaN</u>
4			Hydrophytic Vegetation	
5			✓ Dominance Test is	
6			Prevalence Index i	
7				ptations <sup>1</sup> (Provide supporting s or on a separate sheet)
8				phytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)	100 = -	Total Cover	rrobioinatio rijuro	priyito vogotation (Explain)
1			<sup>1</sup> Indicators of hydric so	il and wetland hydrology must
2.			be present, unless dist	urbed or problematic.
	0 =		Hydrophytic	
% Bare Ground in Herb Stratum % Co	ver of Biotic Crust		Vegetation Present? Ye	es <u>√</u> No
Remarks:				

SOIL Sampling Point: 60a

Profile Description: (Describe to the depth needed to do	cument the	indicator	or confirn	n the absence	of indicators.)
	edox Feature	es			
(inches) Color (moist) % Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	<u>Remarks</u>
<u>0-6</u> <u>7.5YR 3/2</u> <u>94</u> <u>5YR 3/4</u>	3	<u>C</u>	_M	clay loam	distinct mottles
soft masses	3	С	M		
		-	-		·
		-			
<u>                                     </u>					
<u> </u>					
1				. 2.	
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix			ed Sand G		cation: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LRRs, unless o		iea.)			for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Sandy F					Muck (A9) (LRR C)
	Matrix (S6) Jucky Minera	J (E1)			Muck (A10) (LRR B) ced Vertic (F18)
	Gleyed Matrix				arent Material (TF2)
	d Matrix (F3)	(12)			(Explain in Remarks)
	ark Surface	(F6)		0	(2) plant in visitation
	d Dark Surfa				
Thick Dark Surface (A12) Redox [	epressions	(F8)		<sup>3</sup> Indicators	of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Vernal F	ools (F9)			wetland	hydrology must be present,
Sandy Gleyed Matrix (S4)				unless d	listurbed or problematic.
Restrictive Layer (if present):					
Туре:					
Depth (inches):				Hydric Soil	Present? Yes No
Remarks:					
HYDROLOGY					
Wetland Hydrology Indicators:					
Primary Indicators (minimum of one required; check all that a	pply)			Secor	ndary Indicators (2 or more required)
Surface Water (A1) Salt Cr	ust (B11)			V	Vater Marks (B1) (Riverine)
	Crust (B12)				Sediment Deposits (B2) (Riverine)
	Invertebrate	es (B13)			Orift Deposits (B3) (Riverine)
	jen Sulfide C				Prainage Patterns (B10)
			Living Roo		Ory-Season Water Table (C2)
Drift Deposits (B3) (Nonriverine) Preser	ce of Reduc	ed Iron (C	4)	c	Crayfish Burrows (C8)
Surface Soil Cracks (B6) Recen	Iron Reduct	ion in Tille	d Soils (Co	6) <u>√</u> S	Saturation Visible on Aerial Imagery (C9)
	uck Surface				Shallow Aquitard (D3)
	Explain in R	emarks)			AC-Neutral Test (D5)
Field Observations:					
Surface Water Present? Yes No Depth	(inches):				
Water Table Present? Yes No Depth					
Saturation Present? Yes No Depth				land Hydrolog	y Present? Yes No
(includes capillary fringe)	(11101103).		_   ""	iana myarolog	y 11656111. 163 <u>-</u> 116 <u>-</u>
Describe Recorded Data (stream gauge, monitoring well, ae	ial photos, p	revious ins	spections),	if available:	
Remarks:					
In topographic depression. No incised drain	aga natta	rne in c	oil but	avnactad t	o occur in storms based on
	age parte	1112 111 2	on, but	expected to	o occur iii storiiis baseu oii
swale topography.					

Project/Site: Stonegate Property	(	City/Cou	nty: <u>Chico/ B</u>	utte	_ Sampling Dat	e: <b>10/07/2016</b>
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u>	_ Sampling Poi	nt: <u>60b</u>
Investigator(s): Meredith Branstad		Section,	Township, Ra	nge: Sec 31 & 32, Tov	vnship 22Nort	h, Range 2E
Landform (hillslope, terrace, etc.): terrace		Local re	lief (concave,	convex, none): conca	/e	Slope (%):1
Subregion (LRR): C	Lat: 39.	7252		Long: <u>-121.7826</u>	D	atum: NAD83
Soil Map Unit Name: <u>Redtough-Redswale Complex</u>						
Are climatic / hydrologic conditions on the site typical for t						
Are Vegetation, Soil, or Hydrology	-			"Normal Circumstances"		<b>√</b> No
Are Vegetation, Soil, or Hydrology				eeded, explain any answ	•	
SUMMARY OF FINDINGS – Attach site ma						
		<u></u>	31	·	<u> </u>	<u> </u>
Hydrophytic Vegetation Present? Yes  Hydric Soil Present? Yes	No V		the Sampled			,
Wetland Hydrology Present? Yes ✓	No	w	vithin a Wetlar	nd? Yes	No <u></u>	<u></u>
Remarks:	<u> </u>					
NECETATION Has a significant for the latest and the						
VEGETATION – Use scientific names of pla		Danish		I D T	d l k	
Tree Stratum (Plot size:)			ant Indicator s? Status	Dominance Test wor Number of Dominant		
1				That Are OBL, FACW		1 (A)
2				Total Number of Domi	inant	
3				Species Across All Str		2 (B)
4				Percent of Dominant S	Species	
Sapling/Shrub Stratum (Plot size:)	0	= Total	Cover	That Are OBL, FACW		50 (A/B)
1				Prevalence Index wo	orksheet:	
2.				Total % Cover of:	Mul	tiply by:
3				OBL species	x 1 = _	0
4				FACW species		
5				FAC species 80		
Herb Stratum (Plot size:)	0	= Total	Cover	FACU species		
1. Hordeum marinum	70	Yes	FAC	UPL species 20		340 (B)
2. Elymus caput-medusae		Yes	UPL	Column Totals: 1	. <u>00        </u> (A) <u> </u>	(B)
3. Festuca perennis	10		FAC	Prevalence Inde	ex = B/A =	3.4
4				Hydrophytic Vegetat		
5				Dominance Test i		
6				Prevalence Index		
7				Morphological Ad data in Remar	aptations" (Prov ks or on a separ	ide supporting ate sheet)
8				Problematic Hydr	•	
Woody Vine Stratum (Plot size:)		. = Total	Cover			
1				<sup>1</sup> Indicators of hydric so		
2				be present, unless dis	sturbed or proble	matic.
	0			Hydrophytic		
% Bare Ground in Herb Stratum % Cov	er of Biotic C	rust		Vegetation Present? Y	es No	<u>√</u>
Remarks:				<u> </u>		

SOIL Sampling Point: 60b

Profile Desc	ription: (Describe	e to the de	oth needed to docu	ment the	indicator	or confirm	n the absence	of indicators.)
Depth	Matrix		Redo	x Feature	S			
<u>(inches)</u>	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-4	7.5YR 2.5/3	98	5YR 3/4	2	<u>C</u>	_M	<u>clay loam</u>	Faint mottles
<del></del>								·
17			Deduced Metalo C			-1616-	21 -	
			l=Reduced Matrix, C I LRRs, unless othe			ea Sana Gr		cation: PL=Pore Lining, M=Matrix.  for Problematic Hydric Soils <sup>3</sup> :
_		cable to al			eu.)			· ·
Histosol	oipedon (A2)		Sandy Red Stripped M					Muck (A9) ( <b>LRR C</b> ) Muck (A10) ( <b>LRR B</b> )
Black Hi			Loamy Muc		J (F1)			eed Vertic (F18)
	n Sulfide (A4)		Loamy Gle	-				arent Material (TF2)
	l Layers (A5) ( <b>LRR</b>	C)	Depleted M		()			(Explain in Remarks)
	ick (A9) ( <b>LRR D</b> )	,	Redox Dar		(F6)		<del></del>	,
Depleted	d Below Dark Surfa	ce (A11)	Depleted D	ark Surfac	e (F7)			
	ark Surface (A12)		Redox Dep		F8)			of hydrophytic vegetation and
	lucky Mineral (S1)		Vernal Poo	ls (F9)				hydrology must be present,
	Sleyed Matrix (S4)						unless o	listurbed or problematic.
	_ayer (if present):							
J								,
Depth (inc	ches):						Hydric Soil	Present? Yes No _✓
Remarks:								
HYDROLO	CV							
_	drology Indicators						_	
	•	one require	ed; check all that app					ndary Indicators (2 or more required)
Surface			Salt Crust					Vater Marks (B1) ( <b>Riverine</b> )
	ter Table (A2)		Biotic Cru					Sediment Deposits (B2) (Riverine)
Saturatio			Aquatic In					Orift Deposits (B3) (Riverine)
	arks (B1) (Nonrive		Hydrogen					Orainage Patterns (B10)
	nt Deposits (B2) (No			-	_	_		Ory-Season Water Table (C2)
-	oosits (B3) (Nonriv	erine)	Presence				· · · · · · · · · · · · · · · · · · ·	Crayfish Burrows (C8)
	Soil Cracks (B6)		Recent Iro			d Soils (Cé		Saturation Visible on Aerial Imagery (C9)
	on Visible on Aerial							Shallow Aquitard (D3)
	tained Leaves (B9)		Other (Ex	plain in Re	emarks)	1	F	AC-Neutral Test (D5)
Field Observ								
Surface Wate			No Depth (in					
Water Table			No Depth (in					
Saturation Pr		Yes	No Depth (in	ches):		Wetl	and Hydrolog	y Present? Yes No
(includes cap		m dalido m	onitoring well, aerial	nhatas nr	evious inc	nections)	if available:	
Describe Rec	corded Data (Streat	ii gauge, iii	oriitoring well, aeriar	ρποιος, ρι	evious iris	speciions),	ii avaliable.	
Down - :-!								
Remarks:								
In topogra	aphic depressi	ion. No	incised drainag	e patte	rns in s	oil, but e	expected to	o occur in storms based on
swale top	ography.		_					
·	- ·							

Project/Site: Stonegate Property	(	City/County	: Chico/ Bu	utte	_ Sampling Date: _	10/13/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	_ Sampling Point: _	61b
Investigator(s): Meredith Branstad	;	Section, To	wnship, Rar	nge: <b>Sec 31 &amp; 32, Tow</b>	nship 22North, F	Range 2E
Landform (hillslope, terrace, etc.): terrace		Local relief	(concave, c	convex, none): concav	' <b>e</b> Slor	oe (%):1
Subregion (LRR): C	Lat: 39.7	7242		Long: <u>-121.7785</u>	Datur	m: NAD83
Soil Map Unit Name: Clearhayes-Hamslough Complex						
Are climatic / hydrologic conditions on the site typical for this t						
Are Vegetation, Soil, or Hydrology sig	-			Normal Circumstances"		No
Are Vegetation, Soil, or Hydrology na				eded, explain any answe	•	
SUMMARY OF FINDINGS – Attach site map s	nowing	sampiin	g point ic	ocations, transects	s, important fea	atures, etc.
Hydrophytic Vegetation Present? Yes No		le th	ne Sampled	Aron		
Hydric Soil Present? Yes No			ie Sampled iin a Wetlan		No <u></u> ✓	
Wetland Hydrology Present? Yes No		With	iii a vvetiaii	iu: 163	100	ı
Remarks:						
VEGETATION – Use scientific names of plants	 S.					
		Dominant	Indicator	Dominance Test work	ksheet:	
		Species?		Number of Dominant S		
1				That Are OBL, FACW,	or FAC: 1	(A)
2				Total Number of Domir		
3				Species Across All Stra	ata: <u>2</u>	(B)
4		= Total Co		Percent of Dominant S		
Sapling/Shrub Stratum (Plot size:)		_= Total CC	vei	That Are OBL, FACW,	or FAC:50	<u>)</u> (A/B)
1				Prevalence Index wor	rksheet:	
2				Total % Cover of:	Multiply	<u>/ by:</u>
3				OBL species		
4				FACW species		
5				FAC species 45		
Herb Stratum (Plot size:)	0	= Total Co	ver	FACU species 10		
1. Festuca perennis	45	Yes	FAC	UPL species 52 Column Totals: 10		435 (B)
2. Elymus caput-medusae		Yes	UPL	Column rotals	<u> </u>	+33 (D)
3. Bromus hordeaceus	10	No	FACU	Prevalence Index	x = B/A = 4.0654	20560
4. Avena fatua	5	No	<u>UPL</u>	Hydrophytic Vegetati	ion Indicators:	
5. Centaurea solstitialis	2	No	<u>UPL</u>	Dominance Test is		
6				Prevalence Index i		
7				Morphological Ada	aptations <sup>1</sup> (Provide : ks or on a separate	supporting sheet)
8				Problematic Hydro		
Woody Vine Stratum (Plot size:)	107	= Total Co	ver			
1				<sup>1</sup> Indicators of hydric so		
2.				be present, unless dist	urbed or problemat	ic.
		= Total Co	ver	Hydrophytic		
% Bare Ground in Herb Stratum % Cover of	of Biotic Cr	rust		Vegetation Present? Yes	es No_ <u>_</u>	✓
Remarks:						<u> </u>
1						

SOIL Sampling Point: 61b

Profile Desc	ription: (Describe	e to the de	oth needed to docu	ment the	indicator	or confirn	n the absence of	indicators.)
Depth	Matrix			x Feature	S			
<u>(inches)</u>	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	<u>Loc<sup>2</sup></u>	<u>Texture</u>	Remarks
0-6	7.5YR 2.5/3	<u>95</u>	soft masses	_ 5	<u>C</u>	_M	sandy cla	
<del></del>					-			
								<u> </u>
1			Deduced Metalo C				21	an Di Dana Linina M Makin
			l=Reduced Matrix, C I LRRs, unless othe			ed Sand Gi		on: PL=Pore Lining, M=Matrix.  r Problematic Hydric Soils <sup>3</sup> :
_		cable to al			eu.)			<u>-</u>
Histosol	oipedon (A2)		Sandy Red Stripped M					ck (A9) ( <b>LRR C</b> ) ck (A10) ( <b>LRR B</b> )
Black His	•		Loamy Muc		J (F1)			Vertic (F18)
	n Sulfide (A4)		Loamy Gle	-				ent Material (TF2)
	Layers (A5) (LRR	(C)	Depleted M		(/			(plain in Remarks)
	ick (A9) ( <b>LRR D</b> )	,	Redox Dar		(F6)			,
Depleted	d Below Dark Surfa	ce (A11)	Depleted D	ark Surfac	e (F7)			
	ark Surface (A12)		Redox Dep		F8)			hydrophytic vegetation and
_	lucky Mineral (S1)		Vernal Poo	ls (F9)			-	drology must be present,
	Gleyed Matrix (S4)						unless distu	urbed or problematic.
	_ayer (if present):							
J								,
•	ches):						Hydric Soil Pr	esent? Yes No
Remarks:								
HYDROLO	CV							
_	drology Indicators							
		one require	ed; check all that app					ry Indicators (2 or more required)
Surface			Salt Crust					er Marks (B1) ( <b>Riverine</b> )
	iter Table (A2)		Biotic Cru					iment Deposits (B2) ( <b>Riverine</b> )
Saturatio			Aquatic In					Deposits (B3) (Riverine)
	arks (B1) ( <b>Nonriv</b> e		Hydrogen					nage Patterns (B10)
	nt Deposits (B2) (N		<del></del>					Season Water Table (C2)
-	oosits (B3) ( <b>Nonriv</b>	erine)	Presence				-	fish Burrows (C8)
	Soil Cracks (B6)		Recent Iro			d Soils (C		ration Visible on Aerial Imagery (C9)
	on Visible on Aeria						· · · · · · · · · · · · · · · · · · ·	llow Aquitard (D3)
	tained Leaves (B9)		Other (Ex	plain in Re	emarks)		FAC	-Neutral Test (D5)
Field Observ								
Surface Wate			No Depth (in					
Water Table	Present?	Yes	No Depth (in	ches):				_
Saturation Pr		Yes	No Depth (in	ches):		WetI	land Hydrology P	Present? Yes No
(includes cap		m dalido m	onitoring well, aerial	nhatas nr	evious in	enections)	if available:	
Describe K60	corucu Daia (Sireai	ııı yauye, II	ormoring well, aerlal	ριτοίος, βΙ	CVIOUS IIIS	ροσιίστο),	n available.	
Domani:-								
Remarks:								
In topogra	aphic depress	ion. No	incised drainag	e patte	rns in s	oil, but	expected to d	occur in storms based on
swale top	ography.		_					
·								

Project/Site: Stonegate Property		City/Coun	ty: <u>Chico/ B</u>	utte	_ Sampling Date	e: <u>10/13/2016</u>
Applicant/Owner: Epick Homes, Inc.				State: CA	_ Sampling Poin	ıt: <u>62</u> a
Investigator(s): Meredith Branstad		Section, 7	Гownship, Ra	nge: Sec 31 & 32, Tov	wnship 22North	ո, Range 2E
Landform (hillslope, terrace, etc.): terrace		Local reli	ef (concave,	convex, none): conca	ve s	Slope (%): <u>&lt;1</u>
Subregion (LRR): C						
Soil Map Unit Name: Clearhayes-Hamslough Complex						
Are climatic / hydrologic conditions on the site typical for thi			_			
Are Vegetation, Soil, or Hydrologys	-			"Normal Circumstances		✓ No
Are Vegetation, Soil, or Hydrology r				eeded, explain any answ	•	
SUMMARY OF FINDINGS – Attach site map				-		
	SHOWING	Sampii	ng point i	ocations, transect	.s, important	Teatures, etc.
	lo	Is	the Sampled	I Area		
Hydric Soil Present? Yes ✓ N Wetland Hydrology Present? Yes ✓ N	lo	wi	thin a Wetlar	nd? Yes <u>v</u>	No	_
Remarks:	10					
Nemarks.						
VEGETATION – Use scientific names of plan	ıts.					
Tree Stratum (Plot size:)			nt Indicator	Dominance Test wo		
1			? Status	Number of Dominant That Are OBL, FACW		1 (A)
2.						
3.				Total Number of Dom Species Across All St		1 (B)
4.						(-)
	0			Percent of Dominant: That Are OBL, FACW		100 (A/B)
Sapling/Shrub Stratum (Plot size:)				Prevalence Index wo		
1				Total % Cover of		tiply by:
2				OBL species		
4				FACW species		
5.				FAC species		
	0	= Total C	Cover	FACU species	x 4 =	0
Herb Stratum (Plot size:)	0.5		540	UPL species	x 5 =	0
1. Festuca perennis		Yes	FAC	Column Totals:	<u>0</u> (A) _	0 (B)
Bromus hordeaceus     Avena fatua		<u>No</u> No	<u>FACU</u> UPL	Prevalence Inde	ex = B/A =	NaN
				Hydrophytic Vegeta		
4.         5.				Dominance Test		
6.				Prevalence Index		
7.				Morphological Ac	laptations <sup>1</sup> (Provi	de supporting
8					rks or on a separa	
	97	= Total C	Cover	Problematic Hydr	opnytic Vegetation	on' (Explain)
Woody Vine Stratum (Plot size:)				<sup>1</sup> Indicators of hydric s	oil and wotland h	vdrology must
1				be present, unless dis		
2	0			Hydrophytic		
Of David Committee III   Classic Francisco	·	=		Vegetation		
% Bare Ground in Herb Stratum5	r of Biotic C	rust		Present? Y	'es <u>√</u> No	
Remarks:						

SOIL Sampling Point: 62a

Profile Desc	cription: (Describe	to the de	oth needed to docu	ment the	indicator	or confirn	n the absence	of indicators.)
Depth	Matrix			x Feature	es	. 2		
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	<u>Loc<sup>2</sup></u>	<u>Texture</u>	Remarks
0-6	7.5YR 2.5/2	93	5YR 4/4	_ 2	_ <u>C</u>	_M	clay loam	Distinct mottles
	-		7.5YR 4/6	5	<u>C</u>	<u>M</u>		Prominent mottles
-								
	-							
	-							
					-			
			I=Reduced Matrix, C			ed Sand G		cation: PL=Pore Lining, M=Matrix.
_		cable to all	LRRs, unless othe		ted.)			for Problematic Hydric Soils <sup>3</sup> :
Histosol	• •		Sandy Red					Muck (A9) (LRR C) Muck (A10) (LRR B)
	pipedon (A2) istic (A3)		Stripped M Loamy Mud		al (F1)			ced Vertic (F18)
	en Sulfide (A4)		Loamy Gle	-				Parent Material (TF2)
	d Layers (A5) ( <b>LRR</b> (	C)	Depleted M					(Explain in Remarks)
	uck (A9) ( <b>LRR D</b> )		✓ Redox Dar					
	d Below Dark Surfac	e (A11)	Depleted D				3	
	ark Surface (A12)		Redox Dep Vernal Poo		(F8)			of hydrophytic vegetation and hydrology must be present,
_	Mucky Mineral (S1) Gleyed Matrix (S4)		vernar Poo	15 (F9)				disturbed or problematic.
	Layer (if present):						111033 0	astarboa or problematio.
Depth (in	ches):						Hydric Soil	Present? Yes No
Remarks:	· ·							
HYDROLO	icv							
	drology Indicators:						6	
		one require	ed; check all that app					ndary Indicators (2 or more required)
Surface	` '		Salt Crust	, ,				Vater Marks (B1) (Riverine)
Saturati	ater Table (A2)		Biotic Cru Aquatic Ir		as (B13)			Sediment Deposits (B2) ( <b>Riverine</b> )  Drift Deposits (B3) ( <b>Riverine</b> )
	on (A3) 1arks (B1) ( <b>Nonriver</b>	rine)	Aquatic ii Hydrogen					Orainage Patterns (B10)
	nt Deposits (B2) ( <b>No</b>					Livina Roc		Ory-Season Water Table (C2)
	posits (B3) (Nonrive		Presence					Crayfish Burrows (C8)
	Soil Cracks (B6)	,	Recent Iro					Saturation Visible on Aerial Imagery (C9)
Inundati	on Visible on Aerial	lmagery (E						Shallow Aquitard (D3)
Water-S	Stained Leaves (B9)		Other (Ex	plain in Re	emarks)		F	AC-Neutral Test (D5)
Field Obser	vations:							
Surface Wat	er Present? Y	'es	No Depth (in	iches):				
Water Table	Present? Y	'es	No Depth (in	iches):				
Saturation P		'es	No Depth (in	iches):		WetI	and Hydrolog	y Present? Yes <u>√</u> No
	pillary fringe) corded Data (stream	n dalide m	onitoring well, aerial	nhotos n	revious ins	snections)	if available.	
Beschibe Ne	corded bata (stream	r gaage, m	ormorning well, deridi	priotos, p	i c vious ii i	эрссионзу,	ii avallabic.	
Remarks:								
In topogr	aphic depression	on						
Ī								

Project/Site: Stonegate Property	(	City/C	ounty: <u>Chico/</u> E	utte	_ Sampling Date: _	10/13/2016
	State: CA					
				nge: <u>Sec 31 &amp; 32, Tow</u>		
Landform (hillslope, terrace, etc.): hillslope						
Subregion (LRR): C			•			· · ·
						III: INADOS
Soil Map Unit Name: Doemill-Jokerst Complex						
Are climatic / hydrologic conditions on the site typical for the	-					,
Are Vegetation, Soil, or Hydrology				"Normal Circumstances"		No
Are Vegetation, Soil, or Hydrology	naturally pro	blema	itic? (If no	eeded, explain any answe	ers in Remarks.)	
SUMMARY OF FINDINGS - Attach site map	showing	sam	pling point I	ocations, transects	s, important fe	atures, etc.
Lindrankutic Versitation Drescont2	Via ./					
Hydrophytic Vegetation Present? Yes I Hydric Soil Present? Yes I	//o		Is the Sampled			
Wetland Hydrology Present? Yes 1	No 🗸		within a Wetla	nd? Yes	No <u></u> ✓	-
Remarks:						
sparse vegetation, looks dark on aerial im	agory					
sparse vegetation, looks dark on derial in	agery					
VEGETATION – Use scientific names of plan						
Tree Stratum (Plot size:)			ninant Indicator  cies? Status	Dominance Test work		
1				Number of Dominant S That Are OBL, FACW,		(A)
2				Total Number of Domin		(B)
4				Species Across All Str		(B)
	0	= Tot	tal Cover	Percent of Dominant S That Are OBL, FACW,		) (A/B)
Sapling/Shrub Stratum (Plot size:)						` ,
1				Prevalence Index wo		, by
2				OBL species	Multiply	-
3				FACW species 15		
4				FAC species 15		
5	0	- Tot	tal Cover	FACU species 5		
Herb Stratum (Plot size:)		101	al Cover	UPL species 25		
1. Lepidium nitidum	15	Yes	FAC	Column Totals: 6		220 (B)
2. Plagiobothrys stipitatus	15	Yes	<u>FACW</u>			` ,
3. Erodium botrys	10	Yes	<u>UPL</u>		x = B/A = <u>3.6666</u>	66666 <u>f</u>
4. Elymus caput-medusae	10	Yes	<u>UPL</u>	Hydrophytic Vegetati		
5. Bromus hordeaceus		No	<u>FACU</u>	Dominance Test is		
6. Avena fatua		No	<u>UPL</u>	Prevalence Index		
7. Vulpia sp.		No		Morphological Ada	aptations' (Provide s or on a separate	supporting sheet)
8				Problematic Hydro	·	
Woody Vine Stratum (Plot size:)	65	_ = Tot	tal Cover		,prijus vegetauen	(=/,p/a)
1				<sup>1</sup> Indicators of hydric so	oil and wetland hydr	ology must
2				be present, unless dist		
			tal Cover	Hydrophytic		
% Bare Ground in Herb Stratum 35 % Cove				Vegetation	es No	<b>√</b>
Remarks:	or or piolic Ci	ust		r resent:	.3 NU	<u> </u>
All Vulpia species in NWPL are FACU or UI	PL, theref	ore l	lack of ident	ification to species	s does not cha	nge
results of prevalence index.						

SOIL Sampling Point: 63b

Profile Desc	ription: (Describe	to the de	oth needed to docu	ment the	indicator	or confirn	n the absence of	indicators.)
Depth	Matrix			ox Feature	S			
<u>(inches)</u>	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	<u>Loc<sup>2</sup></u>	<u>Texture</u>	Remarks
0-4	2.5YR 3/4	97	soft masses	3	<u>C</u>	M	<u>loam</u>	
	-							
<u> </u>								
	-							
	-							
<u> </u>								
			=Reduced Matrix, C			ed Sand G		on: PL=Pore Lining, M=Matrix.
_		cable to all	LRRs, unless other		ed.)			r Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Red					k (A9) ( <b>LRR C</b> )
	pipedon (A2)		Stripped M					k (A10) ( <b>LRR B</b> )
Black Hi			Loamy Mu	-				Vertic (F18)
	n Sulfide (A4)	0)	Loamy Gle		(F2)			nt Material (TF2)
	l Layers (A5) (LRR lick (A9) (LRR D)	C)	Depleted M Redox Dar		(E4)		Other (Ex	plain in Remarks)
	d Below Dark Surfac	ra (Δ11)	Redox Dar					
-	ark Surface (A12)	c (ATT)	Redox Dep				<sup>3</sup> Indicators of h	hydrophytic vegetation and
	lucky Mineral (S1)		Vernal Poo		. 0)			drology must be present,
	Gleyed Matrix (S4)			()			-	urbed or problematic.
	ayer (if present):							•
Type:								
J	ches):						Hydric Soil Pre	esent? Yes No_✓
Remarks:	,						1 ,	
cobbles p	revented deep	oer diggi	ng					
HYDROLO	GY							
Wetland Hyd	drology Indicators	:						
-			ed; check all that app	lv)			Seconda	ry Indicators (2 or more required)
Surface		•	Salt Crust	•				er Marks (B1) ( <b>Riverine</b> )
	iter Table (A2)		Biotic Cru					ment Deposits (B2) (Riverine)
Saturation			Aquatic Ir		s (B13)			Deposits (B3) ( <b>Riverine</b> )
	arks (B1) ( <b>Nonrive</b>	rine)	Hydrogen					nage Patterns (B10)
,	nt Deposits (B2) ( <b>No</b>					Livina Roc		Season Water Table (C2)
	oosits (B3) (Nonrive		Presence		_	_	=	rfish Burrows (C8)
	Soil Cracks (B6)		Recent Iro					ration Visible on Aerial Imagery (C9)
·	on Visible on Aerial	Imagery (F				. 0013 (00		low Aquitard (D3)
<del></del>	tained Leaves (B9)	iiilagery (E	Other (Ex					-Neutral Test (D5)
Field Observ			Other (Ex	piaiii iii ikk	Zilidi K3)			-Neutral Test (D3)
Surface Water		/oc	No Donth (in	schoo).				
			No Depth (in					
Water Table			No Depth (ir					
Saturation Proceeds (includes cap		/es	No Depth (ir	iches):		_   Weti	and Hydrology P	resent? Yes No
		n gauge, m	onitoring well, aerial	photos, pr	evious ins	spections),	if available:	
			ū					
Remarks:								

Project/Site: Stonegate Property	(	City/County:	Chico/ Bu	utte	Sampling Date: <u>10/13/2016</u>
Applicant/Owner: Epick Homes, Inc.				State: CA	Sampling Point: 64b
Investigator(s): Meredith Branstad		Section, To	wnship, Rar	nge: <u>Sec 31 &amp; 32, Towr</u>	nship 22North, Range 2E
Landform (hillslope, terrace, etc.): terrace		Local relief	(concave, c	convex, none): concave	Slope (%):
Subregion (LRR): C	Lat: 39.7	7195		Long: <u>-121.7794</u>	Datum: NAD83
Soil Map Unit Name: <u>Doemill-Jokerst Complex</u>					
Are climatic / hydrologic conditions on the site typical for this					
Are Vegetation, Soil, or Hydrology signature.	_				resent? Yes <u>√</u> No
Are Vegetation, Soil, or Hydrology na				eded, explain any answe	
SUMMARY OF FINDINGS – Attach site map s	nowing	Samping	g point it	ocations, transects	, important features, etc.
Hydrophytic Vegetation Present? Yes No		Is the	e Sampled	Area	
Hydric Soil Present? Yes No		with	in a Wetlan	nd? Yes	No <u>√</u>
Wetland Hydrology Present? Yes   ✓ No  Remarks:					
Remarks.					
VEGETATION – Use scientific names of plant	S.				
Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?		Dominance Test work	
1				Number of Dominant Sp That Are OBL, FACW, of	
2					
3.				Total Number of Domin Species Across All Stra	_
4				·	
		= Total Co		Percent of Dominant Sp That Are OBL, FACW, of	pecies or FAC: <u>20</u> (A/B)
Sapling/Shrub Stratum (Plot size:)				Prevalence Index worl	
1					Multiply by:
3.					x 1 =0
4					x 2 = <u>10</u>
5					x 3 = 0
		= Total Co		FACU species 55	x 4 = <u>220</u>
Herb Stratum (Plot size:)	40	.,	54611	UPL species 4	x 5 = <u>20</u>
1. Vulpia sp.		Yes	FACU	Column Totals: 64	1 (A) <u>250</u> (B)
Plagiobothrys stipitatus     Bromus hordeaceus	-	Yes Yes	FACU FACU	Prevalence Index	= B/A = <u>3.90625</u>
4 Duadaia alasana		Yes	FACU	Hydrophytic Vegetation	
Brodela elegans     Erodium botrys		Yes	FACU	Dominance Test is	
6. Avena fatua		No	UPL	Prevalence Index is	
7. Elymus caput-medusae		No	UPL	Morphological Ada	ptations <sup>1</sup> (Provide supporting
8.					s or on a separate sheet)
	64	= Total Co	ver	Problematic Hydrop	phytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)				<sup>1</sup> Indicators of budgie sail	l and wetland hydrology must
1				be present, unless distu	
2		= Total Co		Hydrophytic	
26				Vegetation	
	of Biotic Cr	ust		Present? Yes	s No
Remarks:					
Lowest indicator for any Vulpia sp. in NWPL	. is FACL	J. This w	as assur/	med to be indicato	r for calculation
purposes.					

US Army Corps of Engineers

SOIL Sampling Point: 64b

Depth	Matrix			ox Feature	S			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-4	5YR 3/3	99	soft masses	_ 1	_ <u>C</u>	_M	<u>loam</u>	
	-		-				<u> </u>	
-			· -			-		
-		_		_				
	· -							
	· ·		· -				·	
	-		-				· -	
			1=Reduced Matrix, C			ed Sand G		ation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Appli	cable to al	I LRRs, unless other	rwise not	ed.)		Indicators	for Problematic Hydric Soils <sup>3</sup> :
Histoso	, ,		Sandy Red					luck (A9) (LRR C)
	pipedon (A2)		Stripped M					luck (A10) (LRR B)
	listic (A3)		Loamy Mu	-				ed Vertic (F18)
	en Sulfide (A4)	0)	Loamy Gle	-	(F2)			arent Material (TF2)
	ed Layers (A5) ( <b>LRR</b> luck (A9) ( <b>LRR D</b> )	C)	Depleted N Redox Dar		( [ 4 )		Other (	Explain in Remarks)
	ed Below Dark Surfa	CO (A11)	Redox Dai					
	oark Surface (A12)	cc (ATT)	Redox Dep				<sup>3</sup> Indicators	of hydrophytic vegetation and
	Mucky Mineral (S1)		Vernal Poo		. 0)			hydrology must be present,
_	Gleyed Matrix (S4)		<del></del>	` '				sturbed or problematic.
Restrictive	Layer (if present):							
Туре:								
Depth (ir	nches):						Hydric Soil	Present? Yes No _✓
Remarks:								
IYDROLC								
•	drology Indicators							
Primary Indi	icators (minimum of	one require	ed; check all that app	ly)			Secon	dary Indicators (2 or more required)
	e Water (A1)		Salt Crus	` '				ater Marks (B1) ( <b>Riverine</b> )
High W	ater Table (A2)		Biotic Cru	ıst (B12)				ediment Deposits (B2) (Riverine)
Saturat			Aquatic Ir		, ,		· · · · · · · · · · · · · · · · · · ·	rift Deposits (B3) ( <b>Riverine</b> )
	Marks (B1) ( <b>Nonriv</b> e		Hydroger					rainage Patterns (B10)
	ent Deposits (B2) ( <b>N</b> o				_	•	· · · · · · · · · · · · · · · · · · ·	ry-Season Water Table (C2)
	eposits (B3) ( <b>Nonriv</b>	erine)	Presence					rayfish Burrows (C8)
	e Soil Cracks (B6)		Recent Ir			d Soils (C		aturation Visible on Aerial Imagery (C9)
	tion Visible on Aerial			k Surface (				hallow Aquitard (D3)
	Stained Leaves (B9)		Other (Ex	plain in Re	emarks)		F	AC-Neutral Test (D5)
Field Obser								
Surface Wa	ter Present?	Yes	No Depth (ir	nches):				
Water Table	e Present?	Yes	No Depth (ir	nches):				
Saturation F		Yes	No Depth (ir	nches):		Wet	land Hydrology	y Present? Yes <u>√</u> No
(includes ca	pillary fringe)	m dallae m	nonitoring well, aerial	nhotos nr	avious ins	enactions)	if available:	
Describe IVe	ecorded Data (streat	ii gauge, ii	ionitoring well, aenai	priotos, pr	evious iris	speciions)	, ii avallable.	
Remarks:								
remars.								

Project/Site: Stonegate Property	(	City/Coun	ty: Chico/ B	utte	Sampling Da	ate: <u>10/1</u>	3/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	Sampling Po	oint: <u>6</u>	65a
Investigator(s): Meredith Branstad	;	Section, 7	Гownship, Ra	nge: <u>Sec 31 &amp; 32, To</u>	wnship 22No	th, Range	2E
Landform (hillslope, terrace, etc.): terrace		Local reli	ef (concave,	convex, none): conca	ve	Slope (%):	:1_
Subregion (LRR): C	Lat: 39.7	7151		Long: <u>-121.7821</u>		Datum: NA	D83
Soil Map Unit Name: Redtough-Redswale Complex							
Are climatic / hydrologic conditions on the site typical for							
Are Vegetation, Soil, or Hydrology	-			Normal Circumstances		s 🗸 N	lo
Are Vegetation, Soil, or Hydrology				eeded, explain any ansv	•		
SUMMARY OF FINDINGS – Attach site ma				-			es. etc.
,			9		to, importai		
Hydrophytic Vegetation Present? Yes   Hydric Soil Present? Yes   ✓		Is	the Sampled		,		
	No	wi	thin a Wetlar	nd? Yes	<u> </u>		
Remarks:							
VEGETATION – Use scientific names of pl							
Tree Stratum (Plot size:)			nt Indicator ? Status	Dominance Test wo			
1				Number of Dominant That Are OBL, FACW		2	(A)
2.				Total Number of Dom	ninant		
3		-		Species Across All Si		2	(B)
4				Percent of Dominant	Snecies		
Sapling/Shrub Stratum (Plot size:)	0	= Total C	Cover	That Are OBL, FACW		100	(A/B)
1				Prevalence Index w	orksheet:		
2.				Total % Cover of		ultiply by:	
3.				OBL species			
4				FACW species	x 2 =	0	_
5		-		FAC species	x 3 =	0	_
Harb Stratum (Diatoine)	0	= Total C	Cover	FACU species			_
Herb Stratum (Plot size:)  1. Festuca perennis	75	Yes	FAC	UPL species			
2. Rumex crispus		Yes	FAC	Column Totals:	<u>U</u> (A)	0	(B)
3. Hordeum marinum		No		Prevalence Inde	ex = B/A =	NaN	
4.				Hydrophytic Vegeta	tion Indicators	i:	
5				Dominance Test			
6				Prevalence Index			
7				Morphological Addata in Rema	daptations¹ (Pro	vide suppo	rting <sup>1</sup>
8				Problematic Hyd			
Woody Vine Stratum (Plot size:)	100	= Total C	Cover		. op., yo vogoto	(2,101)	,
1				<sup>1</sup> Indicators of hydric s			must
2.				be present, unless di	sturbed or prob	lematic.	
	0			Hydrophytic			
% Bare Ground in Herb Stratum % Co	over of Biotic Cr	rust		Vegetation Present?	res ✓ N	о	
Remarks:	5			1			

SOIL Sampling Point: 65a

Depth	Matrix			ox Feature	S			·
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-12	10YR 2/2		5YR 4/6	25	<u>C</u>	_M	sandy loa	Prominent mottles
				_				
1								
			=Reduced Matrix, C LRRs, unless othe			ed Sand Gr		cation: PL=Pore Lining, M=Matrix.  for Problematic Hydric Soils <sup>3</sup> :
Histoso		Cable to all	Sandy Rec		eu.)			Muck (A9) (LRR C)
	pipedon (A2)		Stripped M					Muck (A10) ( <b>LRR B</b> )
	istic (A3)		Loamy Mu		ıl (F1)			ed Vertic (F18)
Hydroge	en Sulfide (A4)		Loamy Gle	-			Red Pa	arent Material (TF2)
Stratifie	d Layers (A5) ( <b>LRR</b>	C)	Depleted N	/latrix (F3)			Other	(Explain in Remarks)
	uck (A9) ( <b>LRR D</b> )		✓ Redox Dar					
-	d Below Dark Surfa	ce (A11)	Depleted D				31	
	ark Surface (A12)  Mucky Mineral (S1)		Redox Dep Vernal Poo		F8)			of hydrophytic vegetation and hydrology must be present,
_	Gleyed Matrix (S4)		vernari oc	)13 (1 <i>7)</i>				isturbed or problematic.
	Layer (if present):							·
Туре:								
Depth (in	ches):						Hydric Soil	Present? Yes No
Remarks:							1	
HYDROLC	)GY							
Wetland Hy	drology Indicators	s:						
Primary Indi	cators (minimum of	one require	d; check all that app	ıly)			Secor	ndary Indicators (2 or more required)
	Water (A1)		Salt Crus	, ,				/ater Marks (B1) (Riverine)
	ater Table (A2)		Biotic Cru					ediment Deposits (B2) (Riverine)
Saturati			Aquatic Ir		. ,			rift Deposits (B3) ( <b>Riverine</b> )
· <del></del>	Marks (B1) (Nonrive		Hydrogen			5		rainage Patterns (B10)
	nt Deposits (B2) (No.			•		•		ry-Season Water Table (C2)
	posits (B3) (Nonriversity (B6)	erine)	Presence Recent Ire					rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9)
· <del></del>	ion Visible on Aerial	Imagery (F		k Surface (		u 30lis (Ct		hallow Aquitard (D3)
	Stained Leaves (B9)			plain in Re				AC-Neutral Test (D5)
Field Obser					orrianto,		<u> </u>	710 1104.14. 1 001 (2 0)
Surface Wat		Yes	No Depth (ir	nches):				
Water Table			No Depth (ir					
Saturation F			No Depth (ir				and Hydrolog	y Present? Yes _ ✓ No
(includes ca	pillary fringe)							311036IR: 163 <u>-</u> 110 <u>-</u>
Describe Re	ecorded Data (strear	m gauge, m	onitoring well, aerial	photos, pr	evious ins	spections),	if available:	
Remarks:								

Project/Site: Stonegate Property		City/Cour	nty: <u>Chico/ B</u>	utte	Sampling Da	ite: 10/13/2016	
Applicant/Owner: Epick Homes, Inc.				State: CA	Sampling Po	int: <u>66a</u>	
Investigator(s): Meredith Branstad		Section,	Township, Ra	inge: Sec 31 & 32, Township 22North, Range 2E			
Landform (hillslope, terrace, etc.): terrace		Local rel	lief (concave,	convex, none): conca	ve	Slope (%):1_	
Subregion (LRR): C							
Soil Map Unit Name: <u>Doemill-Jokerst Complex</u>							
Are climatic / hydrologic conditions on the site typical for			_				
Are Vegetation, Soil, or Hydrology	-			"Normal Circumstances		. ✓ No	
Are Vegetation, Soil, or Hydrology				eeded, explain any ansv	·		
SUMMARY OF FINDINGS – Attach site ma				-			
JOININARY OF FINDINGS - Attach site ma	ip snowing	Sampi	ing point i	ocations, transec		Treatures, etc.	
Hydrophytic Vegetation Present? Yes✓	<u></u>	Is	the Sampled	I Area			
Hydric Soil Present? Yes   Wetland Hydrology Present? Yes   ✓		w	ithin a Wetlaı	nd? Yes	<u> </u>		
Wetland Hydrology Present? Yes   ✓  Remarks:	NO						
Nemarks.							
VEGETATION – Use scientific names of pl	ants.						
Tree Stratum (Plot size:)			ant Indicator s? Status	Dominance Test wo			
1				Number of Dominant That Are OBL, FACW		2 (A)	
2.						(A)	
3.				Total Number of Dom Species Across All St		2 (B)	
4.						(5)	
	0			Percent of Dominant That Are OBL, FACW		100 (A/B)	
Sapling/Shrub Stratum (Plot size:)							
1				Prevalence Index we Total % Cover of		ultiply by:	
2				OBL species			
3				FACW species			
5				FAC species			
	0	= Total	Cover	FACU species			
Herb Stratum (Plot size:)				UPL species	x 5 = _	0	
1. Hordeum marinum		Yes	<u>FAC</u>	Column Totals:	<u>0</u> (A)	(B)	
2. Festuca perennis		Yes	FAC	Prevalence Inde	ex = B/A =	NaN	
Deschampsia danthonioides     Elymus caput-medusae			<u>FACW</u> UPL	Hydrophytic Vegeta			
4. <u>Elymus caput-medusae</u> 5				Dominance Test		•	
6.				Prevalence Index			
7.				Morphological Ad	daptations <sup>1</sup> (Prov	vide supporting	
8.					rks or on a sepa	•	
		= Total	Cover	Problematic Hyd	ophytic Vegetat	tion' (Explain)	
Woody Vine Stratum (Plot size:)				1	!! ! ! !	h. doele oo oo oo	
1				<sup>1</sup> Indicators of hydric s be present, unless dis			
2				Hydrophytic	· ·		
_	0	=		Vegetation	,		
% Bare Ground in Herb Stratum 8	over of Biotic C	rust		Present?	/es_ <mark>√</mark> No	o	
Remarks:							

SOIL Sampling Point: 66a

Profile Desc	ription: (Describ	e to the de <sub>l</sub>	oth needed to docu	ment the	indicator	or confirm	n the absence	of indicators.)
Depth	Matrix			x Feature	S			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-4	7.5YR 2.5/2	92	soft masses	8	<u>C</u>	M	clay loam	
				-				
			-	-	-			
					·	·		
1Typo: C-C	ncontration D-D	nlotion DM	=Reduced Matrix, C	S-Covoro	d or Coat	nd Sand G	rains <sup>2</sup> Loc	cation: PL=Pore Lining, M=Matrix.
			I LRRs, unless othe			eu Sanu G		for Problematic Hydric Soils <sup>3</sup> :
Histosol		ioabio to ai	Sandy Red		ou.,			fluck (A9) (LRR C)
	pipedon (A2)		Stripped M					Muck (A10) ( <b>LRR B</b> )
Black His			Loamy Mud		ıl (F1)			ed Vertic (F18)
	n Sulfide (A4)		Loamy Gle	-				arent Material (TF2)
	l Layers (A5) ( <b>LRF</b>	? C)	Depleted M				Other (	(Explain in Remarks)
1 cm Mu	ick (A9) ( <b>LRR D</b> )		✓ Redox Dar					
-	d Below Dark Surfa	ace (A11)	Depleted D				2	
	ark Surface (A12)		Redox Dep		F8)			of hydrophytic vegetation and
_	lucky Mineral (S1)		Vernal Poo	Is (F9)				hydrology must be present,
	ileyed Matrix (S4)  _ayer (if present):						T unless u	isturbed or problematic.
	zayer (ii present).							
J							Undria Sail	Drocent2 Vec / No
-	ches):		<del></del>				Hydric Soil	Present? Yes No
Remarks:								
HYDROLO	GY							
Wetland Hyd	drology Indicators	S:						
_			ed; check all that app	lv)			Secon	ndary Indicators (2 or more required)
Surface		One require	Salt Crust					/ater Marks (B1) (Riverine)
	ter Table (A2)		Biotic Cru					ediment Deposits (B2) (Riverine)
Saturatio			Aquatic In		s (R13)			rift Deposits (B3) ( <b>Riverine</b> )
	arks (B1) ( <b>Nonriv</b> e	erine)	Hydrogen					rainage Patterns (B10)
	nt Deposits (B2) (N					Living Ro		ry-Season Water Table (C2)
	oosits (B3) ( <b>Nonriv</b>		Presence			•	· · · · —	rayfish Burrows (C8)
	Soil Cracks (B6)	,	Recent Iro				· · · · · · · · · · · · · · · · · · ·	aturation Visible on Aerial Imagery (C9)
	on Visible on Aeria	l Imagery (E						hallow Aquitard (D3)
	tained Leaves (B9)		Other (Ex					AC-Neutral Test (D5)
Field Observ		<u> </u>						
Surface Wate	er Present?	Yes	No Depth (in	ches):				
Water Table			No Depth (in					
Saturation Pr			No Depth (in				land Hydrolog	y Present? Yes No
(includes cap	oillary fringe)							y 11636111. 163 <u>v</u> 110 <u> </u>
Describe Red	corded Data (strea	m gauge, m	onitoring well, aerial	photos, pr	evious ins	spections),	if available:	
Remarks:								
In topogra	anhic fold No	n incised	drainage natte	rns in s	oil hut	eynecta	ed to occur	in storms based on swale
	. •	HICISEU	aramage patte	1113 111 5	on, but	cyherit	La lo occui	iii storiiis based oii swale
topograpl	ıy.							

Project/Site: Stonegate Property	(	City/Coun	nty: Chico/ B	utte	Sampling Date: <u>10/13/2016</u>
Applicant/Owner: Epick Homes, Inc.				State: CA	Sampling Point: 67b
Investigator(s): Meredith Branstad		Section, 7	Township, Ra	nge: <u>Sec 31 &amp; 32, Towr</u>	nship 22North, Range 2E
Landform (hillslope, terrace, etc.): hillslope		Local reli	ief (concave, o	convex, none): concave	Slope (%):1
Subregion (LRR): C					
Soil Map Unit Name: Doemill-Jokerst Complex					
Are climatic / hydrologic conditions on the site typical for this					
Are Vegetation, Soil, or Hydrology si	-				resent? Yes <u>√</u> No
Are Vegetation, Soil, or Hydrology n				eeded, explain any answer	
SUMMARY OF FINDINGS – Attach site map	snowing	sampii	ing point i	ocations, transects	, important features, etc.
Hydrophytic Vegetation Present? Yes No	o <u> </u>	ls	the Sampled	ΙΔτεα	
Hydric Soil Present? Yes No	o <u> </u>		thin a Wetlar		No ✓
Wetland Hydrology Present? Yes <u>✓</u> No	0		a rrotta		
Remarks:					
VEGETATION – Use scientific names of plant	ts.				
			nt Indicator	Dominance Test work	sheet:
			? Status	Number of Dominant Sp	
1				That Are OBL, FACW, o	or FAC:1 (A)
2				Total Number of Domina	
3				Species Across All Stra	ta: <u>2</u> (B)
4	0			Percent of Dominant Sp	pecies or FAC:50 (A/B)
Sapling/Shrub Stratum (Plot size:)		_ rotar c	30101	That are OBL, FACW, (	orfac: <u>50</u> (A/B)
1				Prevalence Index work	
2	<u> </u>				Multiply by:
3					x 1 =0
4					x 2 = <u>50</u>
5				FAC speciesFACU species	
Herb Stratum (Plot size:)	0	_= rotar C	Jover	UPL species 12	
Deschampsia danthonioides	15	Yes	FACW	Column Totals: 52	
2. Vulpia sp.	15	Yes	<u>FACU</u>		
3. Plagiobothrys stipitatus	10	No	FACW		= B/A = <u>3.269230769</u>
4. Avena fatua	5	No	UPL	Hydrophytic Vegetation	
5. Erodium botrys		No	<u>UPL</u>	Dominance Test is	
6. Elymus caput-medusae		No	<u>UPL</u>	Prevalence Index is	
7				Morphological Adap data in Remarks	ptations <sup>1</sup> (Provide supporting s or on a separate sheet)
8					ohytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)	52	_= Lotal C	Cover		
1					l and wetland hydrology must
2.				be present, unless distu	rbed or problematic.
	0			Hydrophytic	
% Bare Ground in Herb Stratum48	of Biotic Cr	rust		Vegetation Present? Yes	s No <b>√</b>
Remarks:				1	
Lowest indicator for any Vulpia sp. in NWP	l ic EACI	I This	Mac accin	med to be indicate	r for calculation
purposes.	L IS FACE	۱۱۱۱۵ . ر	vvas assul	med to be illuicato	i ioi calculatioil
parposes.					

SOIL Sampling Point: 67b

Profile Desc	ription: (Descri	be to the de	pth nee	ded to docur	nent the in	ndicator or c	onfirm	the absence	of indicators.)
Depth	Matrix				x Features	5			
<u>(inches)</u>	Color (moist)	%	Col	or (moist)	%	Type <sup>1</sup> L	oc <sup>2</sup>	Texture	Remarks
0-3	5YR 4/4	100	none						
					· ——				
1Tupo: C. Co	oncentration, D=D	Nonlotion D	- Doduc	and Matrix, CC	Covered	or Coated S	and Cro	ins 21 oo	ation, DL Dara Lining M Matrix
	Indicators: (App						and Gra		ation: PL=Pore Lining, M=Matrix.  for Problematic Hydric Soils <sup>3</sup> :
Histosol		ilicable to a		Sandy Redo		.u.,			luck (A9) (LRR C)
	oipedon (A2)			Stripped Ma					luck (A10) ( <b>LRR B</b> )
Black His	•			Loamy Muc		(F1)			ed Vertic (F18)
	n Sulfide (A4)			Loamy Gley					arent Material (TF2)
	d Layers (A5) ( <b>LR</b>	R C)		Depleted M		` ,		· · · · · · · · · · · · · · · · · · ·	Explain in Remarks)
	ick (A9) ( <b>LRR D</b> )		_	Redox Dark		F6)			
Depleted	d Below Dark Sur	face (A11)		_ Depleted Da					
	ark Surface (A12)			_ Redox Depr		<sup>-</sup> 8)			of hydrophytic vegetation and
	lucky Mineral (S1		_	_ Vernal Pool	s (F9)				nydrology must be present,
	Gleyed Matrix (S4)							unless di	sturbed or problematic.
	_ayer (if present)								
J									
-	ches):							Hydric Soil	Present? Yes No
Remarks:									
rocks at 3	inches								
. cons at c									
HYDROLO	CV								
_	drology Indicato								
	cators (minimum d	of one requi							dary Indicators (2 or more required)
Surface			_	_ Salt Crust					ater Marks (B1) (Riverine)
_	iter Table (A2)		_	Biotic Crus					ediment Deposits (B2) (Riverine)
Saturatio				Aquatic Inv					rift Deposits (B3) (Riverine)
· <del></del>	arks (B1) (Nonri			Hydrogen					rainage Patterns (B10)
	nt Deposits (B2) (I		_		•		ng Roots	· · · · · · · · · · · · · · · · · · ·	ry-Season Water Table (C2)
-	oosits (B3) ( <b>Nonri</b>	verine)		_ Presence					rayfish Burrows (C8)
	Soil Cracks (B6)					on in Tilled So	oils (C6)		aturation Visible on Aerial Imagery (C9)
· <del></del>	on Visible on Aeri			_ Thin Muck					nallow Aquitard (D3)
<u> </u>	tained Leaves (B	7)		_ Other (Exp	lain in Rei	marks)		<u> </u>	AC-Neutral Test (D5)
Field Observ									
Surface Wate	er Present?			Depth (inc					
Water Table	Present?	Yes	_ No	Depth (inc	ches):				
Saturation Pr		Yes	No	Depth (inc	ches):		Wetlar	nd Hydrology	Present? Yes No
(includes cap	oillary fringe) corded Data (stre	am dalide i	nonitorin	n well aerial r	nhotos pre	vious inspect	tions) if	available.	
Describe Net	coraca Data (Sire	am gaage, i	HOHILOHII	g well, aeriai į	oriotos, pro	zvious irispeci	110113), 11	available.	
Domarko									
Remarks:									
In slight to	opographic d	lepressio	n.						

Project/Site: Stonegate Property	(	City/Cou	nty: <u>Chico/ B</u>	utte	Sampling Date	e: 10/13/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	_ Sampling Poir	nt: <u>68A</u>
Investigator(s): Meredith Branstad		Section,	Township, Ra	nge: <u>Sec 31 &amp; 32, To</u>	wnship 22Nort	h, Range 2E
Landform (hillslope, terrace, etc.): terrace		Local re	lief (concave,	convex, none): conca	ve :	Slope (%):1
Subregion (LRR): C	Lat: 39.	7257		Long: <u>-121.7879</u>	D:	atum: NAD83
Soil Map Unit Name: Redsluff Gravelly Loam						
Are climatic / hydrologic conditions on the site typical for			_			
Are Vegetation, Soil, or Hydrology	-			Normal Circumstances		<b>√</b> No
Are Vegetation, Soil, or Hydrology				eeded, explain any ansv		
SUMMARY OF FINDINGS – Attach site ma				-		
			mig point i			
Hydrophytic Vegetation Present? Yes   Hydric Soil Present? Yes   ✓		Is	the Sampled			
Wetland Hydrology Present? Yes   ✓		w	ithin a Wetlar	nd? Yes <u> </u>	No	
Remarks:						
VEGETATION – Use scientific names of pl						
Tree Stratum (Plot size:)			ant Indicator s? Status	Dominance Test wo		
1	· · · · · · · · · · · · · · · · · · ·			Number of Dominant That Are OBL, FACW		1 (A)
2				Total Number of Dom	ninant	
3				Species Across All St		1 (B)
4				Percent of Dominant	Species	
Sapling/Shrub Stratum (Plot size:)	0	= Total	Cover	That Are OBL, FACW		100 (A/B)
1				Prevalence Index we	orksheet:	
2.				Total % Cover of	: <u>Mul</u>	tiply by:
3.				OBL species	x 1 =	0
4				FACW species		
5				FAC species		
Herb Stratum (Plot size:)	0	= Total	Cover	FACU species		
Festuca perennis	75	Yes	FAC	UPL species		
2. Elymus caput-medusae		No	UPL	Column Totals:	<u>0</u> (A) _	<u> </u>
3. Hordeum marinum				Prevalence Inde	ex = B/A =	NaN
4				Hydrophytic Vegeta		
5				✓ Dominance Test		
6				Prevalence Index		
7				Morphological Addata in Rema	daptations" (Provi	de supporting ate sheet)
8		= Total		Problematic Hyd	ophytic Vegetation	on¹ (Explain)
Woody Vine Stratum (Plot size:)		= 10(a)	Cover			
1				<sup>1</sup> Indicators of hydric s		
2				be present, unless dis	<u>sturbed or proble</u>	matic.
	0	= Total	Cover	Hydrophytic Vegetation		
% Bare Ground in Herb Stratum 1 % Cc	over of Biotic Cr	ust		Present?	∕es <u> <b>√</b> </u>	
Remarks:				1		

SOIL Sampling Point: 68A

Profile Desc	cription: (Describe	to the dep	oth needed to docur	nent the	indicator	or confir	m the absenc	e of indicators.)
Depth	Matrix			x Featur		. 2		
(inches)	Color (moist)	%	Color (moist)	%	Type'	Loc <sup>2</sup>	Texture	Remarks
0-5	7.5YR 2.5/2	92	2.5YR 3/6	3	_ <u>C</u>	_M	<u>clay loam</u>	Prominent mottles
			soft masses	5	C	_M		·
		- <u> </u>						
					_			· -
						-		
		·						
	·		=Reduced Matrix, CS			ed Sand G		ocation: PL=Pore Lining, M=Matrix.
•		able to all	LRRs, unless other		ted.)			s for Problematic Hydric Soils <sup>3</sup> :
Histosol	, ,		Sandy Redo					Muck (A9) (LRR C)
-	oipedon (A2)		Stripped Ma					Muck (A10) (LRR B)
Black Hi	, ,		Loamy Muc					ced Vertic (F18)
	en Sulfide (A4) d Layers (A5) ( <b>LRR (</b>	~)	Loamy Gley Depleted M					Parent Material (TF2) r (Explain in Remarks)
	ick (A9) (LRR D)	ره)	Depleted Wi	, ,			Office	(Explain in Remarks)
	d Below Dark Surfac	e (A11)	Depleted Da					
-	ark Surface (A12)	,	Redox Depr				<sup>3</sup> Indicator	s of hydrophytic vegetation and
	Mucky Mineral (S1)		Vernal Pool		` ,			d hydrology must be present,
Sandy G	Gleyed Matrix (S4)						unless	disturbed or problematic.
Restrictive I	Layer (if present):							
Туре:								
Depth (inc	ches):						Hydric So	il Present? Yes No
Remarks:								
HYDROLO	GY							
Wetland Hy	drology Indicators:							
Primary India	cators (minimum of c	ne require	d; check all that apply	y)			Seco	ondary Indicators (2 or more required)
Surface	Water (A1)		Salt Crust	(B11)				Water Marks (B1) ( <b>Riverine</b> )
High Wa	nter Table (A2)		Biotic Crus	st (B12)				Sediment Deposits (B2) (Riverine)
Saturation	on (A3)		Aquatic Inv	vertebrat	es (B13)			Drift Deposits (B3) ( <b>Riverine</b> )
Water M	larks (B1) ( <b>Nonriver</b>	ine)	Hydrogen	Sulfide (	Odor (C1)			Drainage Patterns (B10)
Sedimer	nt Deposits (B2) ( <b>No</b>	nriverine)	Oxidized F	Rhizosph	eres along	Living Ro	oots (C3)	Dry-Season Water Table (C2)
Drift Dep	oosits (B3) ( <b>Nonrive</b>	rine)	Presence	of Reduc	ed Iron (C	4)		Crayfish Burrows (C8)
Surface	Soil Cracks (B6)		Recent Iro	n Reduc	tion in Tille	d Soils (C	(6)	Saturation Visible on Aerial Imagery (C9)
_	on Visible on Aerial I	magery (B	· —					Shallow Aquitard (D3)
	tained Leaves (B9)		Other (Exp	olain in R	emarks)			FAC-Neutral Test (D5)
Field Obser								
Surface Water			No Depth (inc					
Water Table	Present? Y	es	No Depth (inc	ches):		_		
Saturation P		es	No Depth (inc	ches):		Wet	tland Hydrolo	gy Present? Yes No
(includes cap		naline m	onitoring well, aerial p	nhotos r	revious ins	nections)	ı if ayailahle	
Describe Ne	coraca Data (Stream	gauge, m	oriitoring well, derial p	5110t03, p	nevious ins	рсспонз <i>)</i>	r, ii avallabic.	
Remarks:								
remars.								

Project/Site: Stonegate Property		City/Count	y: <u>Chico/ B</u>	utte	_ Sampling D	ate: 10/3	1/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	_ Sampling P	oint: 6	59b
				nge: <u>Sec 31 &amp; 32, Tov</u>			
Landform (hillslope, terrace, etc.): hillslope				_			
Subregion (LRR): C						-	
Soil Map Unit Name: Redtough-Redswale Complex							
Are climatic / hydrologic conditions on the site typical for this			_				-
Are Vegetation, Soil, or Hydrologys	_			"Normal Circumstances"		N	do.
Are Vegetation, Soil, or Hydrology n				eeded, explain any answ	•	<u> </u>	
SUMMARY OF FINDINGS – Attach site map				· · · · · ·			es, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes ✓ No Remarks:	o		he Sampled hin a Wetlar		No	✓_	
Recent rain and surface water made soil as		nt impo	ssible.				
VEGETATION – Use scientific names of plan		Damainan	t Indiantos	Daminanaa Taatuusi	drala a a k		
Tree Stratum (Plot size:) 1		Species	nt Indicator ? Status	Dominance Test wor Number of Dominant S That Are OBL, FACW	Species	0	_ (A)
3.				Total Number of Domi Species Across All Str		1	_ (B)
4	0			Percent of Dominant S That Are OBL, FACW		0	_ (A/B)
1				Prevalence Index wo	rksheet:		
2.				Total % Cover of:		fultiply by:	
3.				OBL species			
4.				FACW species	x 2 =	0	
5				FAC species 15	x 3 =	45	_
	0	_ = Total C	over	FACU species 40			_
Herb Stratum (Plot size:)	40	Voc	EACH	UPL species 25			_
Bromus hordeaceus     Elymus caput-medusae		<u>Yes</u> No	FACU UPL	Column Totals:8	<u>30</u> (A)	330	(B)
Erymus caput-medusae     Festuca perennis	4.5	No	FAC	Prevalence Inde	x = B/A =	4.125	
Centaurea solstitialis			UPL	Hydrophytic Vegetat			
5				Dominance Test i	s >50%		
6.				Prevalence Index			
7.				Morphological Ad	aptations <sup>1</sup> (Pro	ovide suppo	rting
8				data in Remar			•
	80	_ = Total C	over	Problematic Hydro	opnytic vegeta	ation (Expia	ain)
Woody Vine Stratum (Plot size:)  1				<sup>1</sup> Indicators of hydric so be present, unless dis			must
2		= Total C	over	Hydrophytic			
0/ Para Craund in Harb Stratum 20 0/ Cayay	U						
% Bare Ground in Herb Stratum 20 % Cover		_		Vegetation Present? Y	es <b>N</b>	No <u>√</u>	
Remarks:		_		Vegetation Present? Y	es ^	No	
		_		Vegetation Present? Y	es <b>!</b>	No <u>√</u>	

SOIL Sampling Point: 69b

Depth	cription: (Descr Matr		purnee		x Features		or commi	i tile absence	or marcators.)
(inches)	Color (moist		Co	lor (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
	_		-						
	-		_					-	
-	-								-
1								. 2.	
	oncentration, D= Indicators: (Ap						ed Sand Gr		ration: PL=Pore Lining, M=Matrix.  for Problematic Hydric Soils <sup>3</sup> :
•	•	plicable to a				eu.)			•
Histosol	pipedon (A2)			<ul><li>Sandy Red</li><li>Stripped Ma</li></ul>					luck (A9) ( <b>LRR C</b> ) luck (A10) ( <b>LRR B</b> )
	istic (A3)			_ Suipped Mid _ Loamy Mud		I (F1)			ed Vertic (F18)
	en Sulfide (A4)			Loamy Gle	-				arent Material (TF2)
	d Layers (A5) ( <b>LI</b>	RR C)		Depleted M		()			Explain in Remarks)
	uck (A9) ( <b>LRR D</b> )			_		(F6)			,
_	d Below Dark Su			_ _ Depleted D					
Thick Da	ark Surface (A12	)		_ Redox Dep				<sup>3</sup> Indicators	of hydrophytic vegetation and
Sandy N	/lucky Mineral (S	1)		_ Vernal Poo	ls (F9)			wetland I	nydrology must be present,
-	Gleyed Matrix (S4							unless di	sturbed or problematic.
Restrictive	Layer (if presen	t):							
Туре:									
Depth (in	ches):							Hydric Soil	Present? Yes No
Remarks:									
HYDROLO									
Wetland Hy	drology Indicate	ors:							
Primary India	cators (minimum	of one requir	ed; chec	k all that app	у)			<u>Secon</u>	dary Indicators (2 or more required)
✓ Surface	Water (A1)		_	Salt Crust	(B11)			W	/ater Marks (B1) ( <b>Riverine</b> )
High Wa	ater Table (A2)		_	Biotic Cru	st (B12)			S	ediment Deposits (B2) (Riverine)
Saturation	on (A3)		_	Aquatic In	vertebrate	s (B13)		D	rift Deposits (B3) ( <b>Riverine</b> )
Water M	larks (B1) ( <b>Nonr</b>	iverine)	_	Hydrogen	Sulfide Od	dor (C1)		D	rainage Patterns (B10)
Sedimer	nt Deposits (B2)	(Nonriverine	e) _	Oxidized I	Rhizosphe	res along	Living Roc	ots (C3) D	ry-Season Water Table (C2)
Drift De	posits (B3) ( <b>Non</b> i	riverine)	_	Presence	of Reduce	ed Iron (C	1)	C	rayfish Burrows (C8)
Surface	Soil Cracks (B6)	)	_	Recent Iro	n Reduction	on in Tille	d Soils (Cé	s) <u>√</u> Sa	aturation Visible on Aerial Imagery (C9)
Inundati	on Visible on Ae	rial Imagery (	B7) _	Thin Muck	Surface (	C7)		S	hallow Aquitard (D3)
Water-S	stained Leaves (E	39)	_	_ Other (Ex	olain in Re	marks)		F	AC-Neutral Test (D5)
Field Obser	vations:								
Surface Wat	er Present?	Yes <u></u> ✓	No	Depth (in	ches): <1				
Water Table	Present?	Yes	No	Depth (in	ches):				
Saturation P	resent?			Depth (in				and Hydrology	y Present? Yes No
(includes cap	oillary fringe)								<u> </u>
Describe Re	corded Data (str	eam gauge, r	nonitorin	g well, aerial	photos, pr	evious ins	pections),	if available:	
Remarks:					_				
Rained 1'	' within last	3 davs.							
<b>-</b>		,							

Project/Site: Stonegate Property	(	City/Cou	ınty: <u>Chico/ B</u>	utte	_ Sampling I	Date: <u>10</u>	0/31/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	_ Sampling F	Point:	70b
Investigator(s): Meredith Branstad	:	Section,	Township, Ra	nge: <u>Sec 31 &amp; 32, Tov</u>	wnship 22No	orth, Rar	nge 2E
Landform (hillslope, terrace, etc.): terrace		Local re	elief (concave,	convex, none): none		_ Slope	(%): <u>&lt;1</u>
Subregion (LRR): C	Lat: 39.7	7225		Long: <u>-121.7885</u>		Datum:	NAD83
Soil Map Unit Name: Redtough-Redswale				NWI classif	ication: Upla	and	
Are climatic / hydrologic conditions on the site typical for			_				
Are Vegetation, Soil, or Hydrology	significantly	disturbe	d? Are	'Normal Circumstances"	present? Y	es 🗸	_ No
Are Vegetation, Soil, or Hydrology				eeded, explain any answ	ers in Remar	ks.)	
SUMMARY OF FINDINGS – Attach site ma				ocations, transect	s, importa	ınt featı	ures, etc.
	No No		s the Sampled vithin a Wetlar		No	✓_	
Rain (approx. 1") within last 3 days made	e soil asses	smen <sup>.</sup>	t impossibl	e.			
VEGETATION – Use scientific names of pl	ants.						
Tree Stratum (Plot size:) 1		Specie	ant Indicator es? Status	Dominance Test wor Number of Dominant That Are OBL, FACW	Species	0	(A)
2				Total Number of Dom Species Across All St		2	(B)
4	0			Percent of Dominant S That Are OBL, FACW	Species , or FAC: _	0	(A/B)
1				Prevalence Index wo	orksheet:		
2.				Total % Cover of:		Multiply b	y:
3.				OBL species			
4				FACW species	x 2 =	=0	
5				FAC species			
Hade Chartery (Diet sine	0	= Total	Cover	FACU species 25			
Herb Stratum (Plot size:)  1. Elymus caput-medusae	60	Yes	UPL	UPL species <u>65</u>			<u>5</u>
Erymus caput-medusae     Bromus hordeaceus		Yes	FACU	Column Totals:	<u>€0</u> (A)	42	5 (B)
3. Centaurea solstitialis		No	UPL	Prevalence Inde	ex = B/A = _4	1.722222	222
4.				Hydrophytic Vegetat	ion Indicato	rs:	
5.				Dominance Test	is >50%		
6.				Prevalence Index	is ≤3.0 <sup>1</sup>		
7				Morphological Ad	aptations <sup>1</sup> (P	rovide su	oporting
8				data in Remar  Problematic Hydr			
Manda Vina Chahana (Diat sina	90	= Total	Cover	Froblematic riyur	opriytic vege	tation (L.	хріант)
Woody Vine Stratum (Plot size:)  1  2				<sup>1</sup> Indicators of hydric so be present, unless dis			gy must
		= Total		Hydrophytic			
% Bare Ground in Herb Stratum 10 % Co				Vegetation	'es	No <u>√</u>	_
Remarks:				•			

SOIL Sampling Point: 70b

Depth	cription: (Describe Matrix	to the dep		x Features		or commi	THE absence o	i mulcators.)
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	Remarks
			_					
							-	
1Type: C-C	oncentration, D=De	nlation PM-	Peduced Matrix C	S-Covered	or Coate	d Sand Gr	rains <sup>2</sup> Loca	tion: PL=Pore Lining, M=Matrix.
	Indicators: (Appli					d Sand Or		or Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Red		•			ick (A9) (LRR C)
	pipedon (A2)		Stripped Ma					ick (A10) (LRR B)
	istic (A3)			ky Mineral (	(F1)			d Vertic (F18)
Hydroge	en Sulfide (A4)		-	yed Matrix (			Red Par	ent Material (TF2)
Stratified	d Layers (A5) ( <b>LRR</b>	C)	Depleted M	atrix (F3)			Other (E	xplain in Remarks)
_	uck (A9) ( <b>LRR D</b> )		Redox Darl					
	d Below Dark Surfa	ce (A11)		ark Surface			2	
	ark Surface (A12)			ressions (F8	3)			f hydrophytic vegetation and
	Mucky Mineral (S1)		Vernal Poo	Is (F9)			-	ydrology must be present,
-	Gleyed Matrix (S4)  Layer (if present):						uniess ais	turbed or problematic.
	Layer (ii present).							
							Undria Cail D	Irracont2 Vos No
	ches):						Hydric Soil P	resent? Yes No
Remarks:								
Soil data	not possible d	ue to inu	ndation/satura	ation				
HYDROLO	GY							
Wetland Hy	drology Indicators	:						
_	cators (minimum of		l: check all that appl	v)			Second	ary Indicators (2 or more required)
	Water (A1)		Salt Crust					ter Marks (B1) (Riverine)
_	ater Table (A2)		Biotic Cru	. ,				diment Deposits (B2) (Riverine)
✓ Saturation			Aquatic In		(B13)			ft Deposits (B3) ( <b>Riverine</b> )
	larks (B1) ( <b>Nonrive</b>	rine)	Hydrogen					ninage Patterns (B10)
	nt Deposits (B2) ( <b>N</b> o			Rhizosphere		Livina Roo		y-Season Water Table (C2)
	posits (B3) (Nonrive		Presence	-	_	_	-	ayfish Burrows (C8)
	Soil Cracks (B6)	Sililo)	Recent Iro					curation Visible on Aerial Imagery (C9)
	on Visible on Aerial	Imagery (B7		Surface (C		u 00113 (00		allow Aquitard (D3)
	stained Leaves (B9)			plain in Rem				C-Neutral Test (D5)
Field Obser			Other (EX		lai Koj			o reducer rest (50)
Surface Wat		Vac 1	No <u>✓</u> Depth (in	chas).				
Water Table								
		_	No Depth (in					D
Saturation P (includes car		Yes <u></u> ſ	No Depth (in	cnes): <u>4</u>		_   wetia	апа нуагоюду	Present? Yes <u>√</u> No
	corded Data (strear	n gauge, mo	nitoring well, aerial	photos, prev	vious ins	pections),	if available:	
Remarks:								
Rained 1"	' within last 3 o	davs						
Cu I	Within Idst 5	44 y 5.						

Project/Site: Stonegate Property		City/Co	unty: <u>Chico/ B</u>	Butte	_ Sampling Date:	10/31/2016
Applicant/Owner: Epick Homes, Inc.				State: CA	_ Sampling Point:	71b
Investigator(s): Meredith Branstad		Section	ı, Township, Ra	inge: <u>Sec 31 &amp; 32, Tov</u>	vnship 22North,	Range 2E
Landform (hillslope, terrace, etc.): <u>terrace</u>		Local r	elief (concave,	convex, none): conca	<b>/e</b> Slo	pe (%):1
Subregion (LRR): C						
Soil Map Unit Name: Redtough-Redswale Complex						
Are climatic / hydrologic conditions on the site typical for t			_			
Are Vegetation, Soil, or Hydrology	-			"Normal Circumstances"		✓ No
Are Vegetation, Soil, or Hydrology				eeded, explain any answ		<u> </u>
SUMMARY OF FINDINGS – Attach site may						eatures, etc.
		T		<u> </u>	<u> </u>	<u> </u>
Hydrophytic Vegetation Present? Yes  Hydric Soil Present? Yes			Is the Sampled		,	
Wetland Hydrology Present? Yes   ✓		'	within a Wetla	nd? Yes	No <u></u>	_
Remarks:						
   Recent rain made soil assessment imposs	sible.					
,						
VECETATION Lies coientific names of pla	ntc					
VEGETATION – Use scientific names of pla	Absolute	Domir	nant Indicator	Dominance Test wor	-kehoot:	
Tree Stratum (Plot size:)			es? Status	Number of Dominant S		
1				That Are OBL, FACW	1	1 (A)
2		-		Total Number of Domi	inant	
3				Species Across All Str		2 (B)
4				Percent of Dominant S	Species	
Sapling/Shrub Stratum (Plot size:)	0	_ = Tota	ıl Cover	That Are OBL, FACW	, or FAC:5	60 (A/B)
1				Prevalence Index wo	rksheet:	
2.				Total % Cover of:	Multip	ly by:
3				OBL species	x 1 =	0
4		-		FACW species		
5				FAC species <u>52</u>		
Herb Stratum (Plot size:)	0	_ = Tota	I Cover	FACU species 40		
1. Festuca perennis	50	Yes	FAC	UPL species 12  Column Totals: 1		376 (B)
2. Bromus hordeaceus		Yes	FACU	Column rotals:	<u>04</u> (A)	<u>370</u> (b)
3. Elymus caput-medusae		No	UPL	Prevalence Inde	x = B/A = 3.615	38461 <u>5</u>
4. Centaurea solstitialis	2	No	UPL	Hydrophytic Vegetat	ion Indicators:	
5. Trieleia hyacinthina	2	No	<u>FAC</u>	Dominance Test i		
6				Prevalence Index		
7				Morphological Ad	aptations <sup>1</sup> (Provide ks or on a separate	e supporting e sheet)
8				Problematic Hydro	•	
Woody Vine Stratum (Plot size:)	104	_= Tota	ll Cover		. , ,	•
1				<sup>1</sup> Indicators of hydric so		
2				be present, unless dis	turbed or problema	atic.
	0			Hydrophytic		
% Bare Ground in Herb Stratum % Cov	er of Biotic C	rust		Vegetation Present? Y	es No _	✓
Remarks:						

SOIL Sampling Point: 71b

Profile Descrip	otion: (Describe	to the depth	needed to docun	nent the indicator or	confirm t	the absence of indicators.)	
Depth _	Matrix			K Features			
(inches)	Color (moist)	<u></u> %	Color (moist)	<u>% Type</u> <sup>1</sup>	Loc <sup>2</sup>	Texture Remarks	_
		· — — —					_
							_
							_
		·					_
<del></del>						<u> </u>	_
							_
<sup>1</sup> Type: C=Cond	centration, D=Dep	letion, RM=R	educed Matrix. CS	=Covered or Coated S	Sand Grai	ins. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.	
			RRs, unless other			Indicators for Problematic Hydric Soils <sup>3</sup> :	
Histosol (A			Sandy Redo			1 cm Muck (A9) ( <b>LRR C</b> )	
Histic Epipe			Stripped Ma			2 cm Muck (A10) ( <b>LRR B</b> )	
Black Histic				ky Mineral (F1)		Reduced Vertic (F18)	
	Sulfide (A4)			ed Matrix (F2)		Red Parent Material (TF2)	
	ayers (A5) ( <b>LRR (</b>	C)	Depleted Ma			Other (Explain in Remarks)	
	(A9) (LRR D)			Surface (F6)			
Depleted B	selow Dark Surfac	e (A11)	Depleted Da	ark Surface (F7)			
Thick Dark	Surface (A12)		Redox Depr	essions (F8)		<sup>3</sup> Indicators of hydrophytic vegetation and	
	cky Mineral (S1)		Vernal Pools	s (F9)		wetland hydrology must be present,	
	yed Matrix (S4)					unless disturbed or problematic.	
Restrictive Lay	yer (if present):						
Туре:							
Depth (inche	es):					Hydric Soil Present? Yes No	_
Remarks:							
could not to	ake soil data	due to sat	turation				
HYDROLOG'	Υ						
	ology Indicators:						
_			ما معاد ما المعاد معاد	۸		Coopedany Indicators (2 or mars required)	
-	•	ne requirea;	check all that apply			Secondary Indicators (2 or more required)	-
Surface Wa			Salt Crust			Water Marks (B1) (Riverine)	
	r Table (A2)		Biotic Crus			Sediment Deposits (B2) (Riverine)	
✓ Saturation				vertebrates (B13)		Drift Deposits (B3) (Riverine)	
	ks (B1) ( <b>Nonriver</b>			Sulfide Odor (C1)		Drainage Patterns (B10)	
Sediment [	Deposits (B2) ( <b>No</b>	nriverine)	Oxidized R	hizospheres along Liv	ing Roots	s (C3) Dry-Season Water Table (C2)	
Drift Depos	sits (B3) ( <b>Nonrive</b>	rine)	Presence of	of Reduced Iron (C4)		Crayfish Burrows (C8)	
Surface So	il Cracks (B6)		Recent Iro	n Reduction in Tilled S	Soils (C6)	Saturation Visible on Aerial Imagery (C9	})
Inundation	Visible on Aerial I	magery (B7)	Thin Muck	Surface (C7)		Shallow Aquitard (D3)	
Water-Stair	ned Leaves (B9)		Other (Exp	lain in Remarks)		FAC-Neutral Test (D5)	
Field Observat	tions:						
Surface Water	Present? Y	es No	Depth (inc	ches):			
Water Table Pr				ches): <u>5</u>			
Saturation Pres				thes): 0		nd Hydrology Present? Yes No	
(includes capilla		c2 🛕 INC	Deptil (inc	nes). <u>U</u>	vvetiai	ilu frydrology Fresent: Tes _ ¥ _ No	-
		gauge, moni	toring well, aerial p	hotos, previous inspe	ctions), if	available:	
Remarks:							
	•		signs of flow/	-			
Rained 1" w	vithin last 3 d	ays, prob	ably cause of	saturation.			

Project/Site: Stonegate Property		City/Coun	nty: <u>Chico/ B</u>	utte	_ Sampling Date	10/31/2016
Applicant/Owner: Epick Homes, Inc.				State: <u>CA</u>	_ Sampling Poin	t: <u>72</u> a
Investigator(s): Meredith Branstad		Section, 7	Гownship, Ra	nge: <u>Sec 31 &amp; 32, Tov</u>	wnship 22North	ı, Range 2E
Landform (hillslope, terrace, etc.): terrace		Local reli	ief (concave,	convex, none): concav	<b>ve</b> s	lope (%): <u>1</u>
Subregion (LRR): C	Lat: <u>39.</u>	7246		Long: <u>-121.7900</u>	Da	tum: NAD83
Soil Map Unit Name: Redtough-Redswale Complex						
Are climatic / hydrologic conditions on the site typical for thi			_			
Are Vegetation, Soil, or Hydrology	-			"Normal Circumstances"		<b>√</b> No
Are Vegetation, Soil, or Hydrology				eeded, explain any answ		
SUMMARY OF FINDINGS – Attach site map						
		Jampii	mg pomit i			
	lo	ls	the Sampled	l Area	_	
Wetland Hydrology Present? Yes ✓ N	lo	wi	thin a Wetlar	nd? Yes <u>v</u>	No	_
Remarks:						
VEGETATION – Use scientific names of plan				T		
Tree Stratum (Plot size:)			nt Indicator ? Status	Dominance Test wor		
1				Number of Dominant : That Are OBL, FACW		2 (A)
2.						, ,
3				Total Number of Dom Species Across All St		2 (B)
4				Percent of Dominant S		
Conding/Charle Charles (Diet sing)	0	_ = Total (	Cover	That Are OBL, FACW		100 (A/B)
Sapling/Shrub Stratum (Plot size:)  1				Prevalence Index wo	orksheet:	
2.				Total % Cover of:		iply by:
3.				OBL species		
4.				FACW species		
5				FAC species	x 3 =	0
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	0	_ = Total C	Cover	FACU species		
Herb Stratum (Plot size:)  1. Festuca perennis	50	Yes	FAC	UPL species		
restuca perennis     Hordeum marinum		Yes	FAC FAC	Column Totals:	<u>0</u> (A)	<u> </u>
3. Rumex crispus		No	FAC	Prevalence Inde	ex = B/A =	NaN
4. Eryngium vaseyi		No	FACW	Hydrophytic Vegetat	tion Indicators:	
5.				✓ Dominance Test		
6				Prevalence Index		
7	_			Morphological Ad	laptations¹ (Provid ks or on a separa	de supporting
8				Problematic Hydr	•	
Woody Vine Stratum (Plot size:)	105	_ = Total C	Cover	rrobiomado riyar	oprijuo vogotano	(Explain)
1				<sup>1</sup> Indicators of hydric s	oil and wetland h	ydrology must
2.				be present, unless dis	turbed or problen	natic.
	0			Hydrophytic		
% Bare Ground in Herb Stratum % Cove				Vegetation Present? Y	'es ✓ No	
Remarks:	51 2/01/0	. 431		1.7656111.	<u> </u>	
I						

SOIL Sampling Point: 72a

Depth	Matrix			ox Feature	es .			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	<u>Loc²</u>	<u>Texture</u>	
0-8	7.5YR 3/3	87	7.5YR 4/6	10	_ <u>C</u>	_M	clay loam	distinct mottles
			soft masses	3	<u>C</u>	<u>M</u>		
				_				
					-			
				_	-			
					-			
					-			
					_			
			=Reduced Matrix, C			ed Sand G		cation: PL=Pore Lining, M=Matrix.
•		cable to all	LRRs, unless other		iea.)			for Problematic Hydric Soils <sup>3</sup> :
Histoso			Sandy Red					Muck (A9) (LRR C)
	pipedon (A2) istic (A3)		Stripped M Loamy Mu		J (E1)			Muck (A10) ( <b>LRR B</b> ) ced Vertic (F18)
	en Sulfide (A4)		Loamy Gle	-				rarent Material (TF2)
	d Layers (A5) (LRR	C)	Depleted M	-	(12)			(Explain in Remarks)
	uck (A9) ( <b>LRR D</b> )	0)	Redox Dar		(F6)		0	(Explain in Remarks)
	d Below Dark Surfac	ce (A11)	Depleted D					
	ark Surface (A12)	, ,	✓ Redox Dep				<sup>3</sup> Indicators	of hydrophytic vegetation and
Sandy N	Mucky Mineral (S1)		Vernal Poo	ls (F9)			wetland	hydrology must be present,
_	Gleyed Matrix (S4)						unless c	listurbed or problematic.
Restrictive	Layer (if present):							
J								_
Depth (in	ches):						Hydric Soil	Present? Yes No
Remarks:							•	
	depression							
IYDROLC								
-	drology Indicators							
Primary Indi	cators (minimum of	one require	d; check all that app	ly)			Secoi	ndary Indicators (2 or more required)
	Water (A1)		Salt Crust	, ,			·	Vater Marks (B1) ( <b>Riverine</b> )
High Wa	ater Table (A2)		Biotic Cru	ıst (B12)			S	Sediment Deposits (B2) (Riverine)
Saturati	on (A3)		Aquatic Ir		, ,			Orift Deposits (B3) (Riverine)
· <del></del>	larks (B1) ( <b>Nonrive</b>		Hydrogen					Prainage Patterns (B10)
Sedime	nt Deposits (B2) ( <b>No</b>	onriverine)	Oxidized	Rhizosphe	eres along	Living Ro	ots (C3) D	Ory-Season Water Table (C2)
Drift De	posits (B3) ( <b>Nonriv</b> e	erine)	Presence					Crayfish Burrows (C8)
Surface	Soil Cracks (B6)		Recent Iro	on Reduct	ion in Tille	d Soils (C	6) <u> </u>	Saturation Visible on Aerial Imagery (C9)
✓ Inundat	on Visible on Aerial	Imagery (E	B7) Thin Mucl	k Surface	(C7)		<u> </u>	Shallow Aquitard (D3)
Water-S	Stained Leaves (B9)		Other (Ex	plain in Re	emarks)		F	AC-Neutral Test (D5)
Field Obser	vations:							
Surface Wat	er Present?	Yes	No _ ✓ Depth (in	nches):				
Water Table	Present?	Yes	No <u>✓</u> Depth (ir	nches):				
Saturation F	resent?	Yes	No <u></u> ✓ Depth (ir	nches):		Wet	land Hydrolog	y Present? Yes No
(includes ca	pillary fringe)							
Describe Re	corded Data (strean	n gauge, m	onitoring well, aerial	photos, pi	revious in:	spections),	ıt available:	
<b>D</b> 1								
Remarks:								

Project/Site: Stonegate Property	(	City/County	Chico/ Bu	utte	Sampling Date:	3/28/2017
Applicant/Owner: Epick Homes, Inc.				State: CA	_ Sampling Point: _	73a
Investigator(s): David Bise		Section, To	wnship, Rar	nge: <u>Sec 31 &amp; 32, Tov</u>	wnship 22N, Range	e 2E
Landform (hillslope, terrace, etc.): <u>terrace</u>		Local relief	(concave, c	convex, none): conca	ve Slop	e (%):1
Subregion (LRR): C						
Soil Map Unit Name: Hamslough Complex						
Are climatic / hydrologic conditions on the site typical for this						
Are Vegetation, Soil, or Hydrology sig	-			Normal Circumstances"	_	No
Are Vegetation, Soil, or Hydrology na				eded, explain any answ		
				-		
SUMMARY OF FINDINGS – Attach site map s	nowing	Sampiin	g point it	——————————————————————————————————————	.s, important lea	itures, etc.
Hydrophytic Vegetation Present? Yes <u>✓</u> No		ls th	e Sampled	Area		
Hydric Soil Present? Yes No			in a Wetlan		/ No	
Wetland Hydrology Present? Yes <u>✓</u> No						
Remarks:						
VEGETATION – Use scientific names of plants	s.					
		Dominant		Dominance Test wor	rksheet:	
		Species?		Number of Dominant		(4)
1				That Are OBL, FACW	, or FAC:	(A)
3				Total Number of Domi	_	(B)
4				Species Across All Str		(D)
		= Total Co		Percent of Dominant S That Are OBL, FACW		) (A/R)
Sapling/Shrub Stratum (Plot size:)						(//////
1				Prevalence Index wo		
2				Total % Cover of:		
3				OBL species		
4				FACW species FAC species		
5		= Total Co		FACU species		
Herb Stratum (Plot size:)		- Total C0	VCI	UPL species		0
1. Limnathes douglasii	10	No	OBL	Column Totals:		0 (B)
2. Eryngium vaseyi		No	<u>FACW</u>			
3. Eleocharis macrostacya		Yes	FACW		ex = B/A = <u>Na</u>	<u>N</u>
4. Festuca perenne		Yes	<u>FAC</u>	Hydrophytic Vegetat		
5. <u>Lupinus bicolor</u>		No	UPL	<ul><li>✓ Dominance Test i</li><li>✓ Prevalence Index</li></ul>		
6					cis ≤3.0 daptations¹ (Provide s	cupporting
7				data in Remar	rks or on a separate s	sheet)
8		= Total Co	wor	Problematic Hydro	ophytic Vegetation <sup>1</sup> (	(Explain)
Woody Vine Stratum (Plot size:)		- Total Co	VCI			
1				<sup>1</sup> Indicators of hydric so		
2				be present, unless dis		C.
	0	= Total Co	ver	Hydrophytic Vegetation		
% Bare Ground in Herb Stratum	of Biotic Cr	ust		Present? Y	′es <u> </u>	
Remarks:				L		
Point in a swale						

SOIL Sampling Point: 73a

(inches)         Color (moist)         %         Color (moist)         %         Type¹         Lor           0-8         7.5YR 4/2         93         2.5 YR 5/3         7         C         M	Texture Remarks
0-8 7.5YR 4/2 93 2.5 YR 5/3 7 C M	
	<u>clay loam</u> <u>distinct mottles</u>
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sar Tydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	nd Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.  Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	2 cm Muck (A10) ( <b>LRR B</b> )
Black Histic (A3) Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C) Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D) Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)	
Thick Dark Surface (A12) Redox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Vernal Pools (F9) Sandy Gleyed Matrix (S4)	wetland hydrology must be present, unless disturbed or problematic.
Restrictive Layer (if present):	unless disturbed of problematic.
Type:	
Depth (inches):	Hydric Soil Present? Yes No
Remarks:	
YDROLOGY	
Wetland Hydrology Indicators:	
Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)
✓ Surface Water (A1) Salt Crust (B11)	Water Marks (B1) (Riverine)
High Water Table (A2)	Sediment Deposits (B2) (Riverine)
	Drift Deposits (B3) (Riverine)
✓ Saturation (A3) Aquatic Invertebrates (B13)	Drainage Patterns (BTO)
✓ Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10) g Roots (C3)
✓ Saturation (A3) — Aquatic Invertebrates (B13)  Water Marks (B1) (Nonriverine) — Hydrogen Sulfide Odor (C1)  Sediment Deposits (B2) (Nonriverine) — Oxidized Rhizospheres along Living	g Roots (C3) Dry-Season Water Table (C2)
✓ Saturation (A3) — Aquatic Invertebrates (B13)  Water Marks (B1) (Nonriverine) — Hydrogen Sulfide Odor (C1)  Sediment Deposits (B2) (Nonriverine) — Oxidized Rhizospheres along Living Drift Deposits (B3) (Nonriverine) — Presence of Reduced Iron (C4)	g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
✓ Saturation (A3)	g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
✓ Saturation (A3)	g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
✓ Saturation (A3) — Aquatic Invertebrates (B13)  Water Marks (B1) (Nonriverine) — Hydrogen Sulfide Odor (C1)  Sediment Deposits (B2) (Nonriverine) — Oxidized Rhizospheres along Living Drift Deposits (B3) (Nonriverine) — Presence of Reduced Iron (C4) Surface Soil Cracks (B6) — Recent Iron Reduction in Tilled Soil ✓ Inundation Visible on Aerial Imagery (B7) — Thin Muck Surface (C7) Water-Stained Leaves (B9) — Other (Explain in Remarks)	g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) ls (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
✓ Saturation (A3) — Aquatic Invertebrates (B13)  Water Marks (B1) (Nonriverine) — Hydrogen Sulfide Odor (C1)  Sediment Deposits (B2) (Nonriverine) — Oxidized Rhizospheres along Living Drift Deposits (B3) (Nonriverine) — Presence of Reduced Iron (C4)  Surface Soil Cracks (B6) — Recent Iron Reduction in Tilled Soil ✓ Inundation Visible on Aerial Imagery (B7) — Other (Explain in Remarks)  Field Observations:	g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) ls (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
✓ Saturation (A3)  — Water Marks (B1) (Nonriverine) — Sediment Deposits (B2) (Nonriverine) — Drift Deposits (B3) (Nonriverine) — Surface Soil Cracks (B6) — Inundation Visible on Aerial Imagery (B7) — Water-Stained Leaves (B9) — Water Present? — Yes ✓ No Depth (inches): 2	g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) ls (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
✓ Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes ✓ No Depth (inches):  Saturation Present?  Yes ✓ No Depth (inches):  Depth (inches):  Depth (inches):  Depth (inches):	g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) ls (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
✓ Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes ✓ No Depth (inches):  Saturation Present?	g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)   Saturation Visible on Aerial Imagery (C9)   Shallow Aquitard (D3)   FAC-Neutral Test (D5)   Wetland Hydrology Present? Yes No
✓ Saturation (A3)	g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)   Saturation Visible on Aerial Imagery (C9)   Shallow Aquitard (D3)   FAC-Neutral Test (D5)   Wetland Hydrology Present? Yes No
✓ Saturation (A3)	g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)   Saturation Visible on Aerial Imagery (C9)   Shallow Aquitard (D3)   FAC-Neutral Test (D5)   Wetland Hydrology Present? Yes No
✓ Saturation (A3)	g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)   Saturation Visible on Aerial Imagery (C9)   Shallow Aquitard (D3)   FAC-Neutral Test (D5)   Wetland Hydrology Present? Yes No
✓ Saturation (A3)	g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)   Saturation Visible on Aerial Imagery (C9)   Shallow Aquitard (D3)   FAC-Neutral Test (D5)   Wetland Hydrology Present? Yes No

Project/Site: Stonegate Property	(	City/County	: Chico/ Bu	utte	_ Sampling Date: _	3/28/2017
Applicant/Owner: Epick Homes, Inc.				State: CA	_ Sampling Point: _	74a
Investigator(s): David Bise	:	Section, To	wnship, Rar	nge: <u>Sec 31 &amp; 32, Tov</u>	vnship 22N, Range	e 2E
Landform (hillslope, terrace, etc.): <u>terrace</u>		Local relief	(concave, c	convex, none): concav	<b>/e</b> Slop	e (%):1
Subregion (LRR): C	_ Lat: <u>39°</u>	43' 13.56	5" N	Long: 121° 47' 6.154	4" W Datun	n: <b>NAD83</b>
Soil Map Unit Name: Hamslough Complex						
Are climatic / hydrologic conditions on the site typical for this						
Are Vegetation, Soil, or Hydrologysi	-			Normal Circumstances		, No
Are Vegetation, Soil, or Hydrology na				eded, explain any answe	•	
SUMMARY OF FINDINGS – Attach site map s						aturos oto
Sommart of Findings - Attach site maps	<u>snowing</u>	Sampiin	g point it		S, important lea	nures, etc.
Hydrophytic Vegetation Present? Yes No		Is th	e Sampled	Area		
Hydric Soil Present? Yes No			in a Wetlan		/ No	
Wetland Hydrology Present? Yes   ✓ No  Remarks:	<u> </u>					
Remarks:						
VEGETATION – Use scientific names of plant	ls.					
Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?		Dominance Test wor		
1		•		Number of Dominant S That Are OBL, FACW,		(A)
2						(//
3.				Total Number of Domi		(B)
4						` ` '
	0	= Total Co	ver	Percent of Dominant S That Are OBL, FACW,		<u>)</u> (A/B)
Sapling/Shrub Stratum (Plot size:)				Prevalence Index wo	arkshoot.	
1				Total % Cover of:		, hv.
3.				OBL species		
4				FACW species		
5				FAC species		
	0	= Total Co	ver	FACU species	x 4 =	0
Herb Stratum (Plot size:)	10	No	OBL	UPL species		
Limnathes douglasii     Eryngium vaseyi		No No	OBL FACW	Column Totals:	<u>0</u> (A)	<u>0</u> (B)
Eryngium vaseyi     Eleocharis macrostacya		Yes	FACW	Prevalence Inde	x = B/A = <u>Na</u>	ıN
4				Hydrophytic Vegetati	·	
5				✓ Dominance Test is	s >50%	
6.				Prevalence Index	is ≤3.0 <sup>1</sup>	
7					aptations <sup>1</sup> (Provide s	
8				data in Remark  Problematic Hydro	ks or on a separate s	•
Manda Vine Chaten (District	100	= Total Co	ver		opinytic vegetation (	(Explair)
Woody Vine Stratum (Plot size:)  1				<sup>1</sup> Indicators of hydric so	oil and wetland hydro	ology must
2				be present, unless dist		
		= Total Co		Hydrophytic		
% Bare Ground in Herb Stratum % Cover				Vegetation	es <mark>✓</mark> No	
Remarks:	OI DIOUC CI	ust		riesent: Ye	NU	<u> </u>
Point in swale.						
1						

SOIL Sampling Point: 74a

			laicator	or commi	n the absence	0
Depth Matrix		x Features	_ 1	. 2		
	Color (moist)		Type <sup>1</sup>	_Loc <sup>2</sup>	<u>Texture</u>	<u>Remarks</u>
<u>0-8</u> <u>7.5YR 4/2</u> <u>93</u> <u>2.</u>	.5 YR 5/3		<u>C</u>	_M	<u>clay loam</u>	distinct mottles
		· ——				
1T 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				1616	21	
Type: C=Concentration, D=Depletion, RM=Re Hydric Soil Indicators: (Applicable to all LR				a Sana Gr		cation: PL=Pore Lining, M=Matrix.  for Problematic Hydric Soils <sup>3</sup> :
· ·			u.)			•
Histosol (A1)	Sandy Redo Stripped Ma					Muck (A9) (LRR C)
Histic Epipedon (A2) Black Histic (A3)	Suipped Mac		(E1)			Muck (A10) ( <b>LRR B</b> ) ced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gley	-				arent Material (TF2)
Stratified Layers (A5) (LRR C)	✓ Depleted M		(1 2)			(Explain in Remarks)
1 cm Muck (A9) ( <b>LRR D</b> )	Redox Dark		<del>-</del> 6)			(Explain in residence)
Depleted Below Dark Surface (A11)	Depleted Da					
Thick Dark Surface (A12)	Redox Depi				<sup>3</sup> Indicators	of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pool	s (F9)			wetland	hydrology must be present,
Sandy Gleyed Matrix (S4)					unless c	listurbed or problematic.
Restrictive Layer (if present):						
Type:	_					
Depth (inches):	_				Hydric Soil	Present? Yes No
Remarks:					1	
AA/!Aladia assisal a						
Within swale.						
HADBOLOCA						
HYDROLOGY						
Wetland Hydrology Indicators:						
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; c						ndary Indicators (2 or more required)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; c  ✓ Surface Water (A1)	Salt Crust	(B11)			V	Vater Marks (B1) ( <b>Riverine</b> )
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; c  ✓ Surface Water (A1)  — High Water Table (A2)	Salt Crust Biotic Crus	(B11) st (B12)			V	Vater Marks (B1) ( <b>Riverine</b> ) sediment Deposits (B2) ( <b>Riverine</b> )
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; c  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)	Salt Crust Biotic Crus Aquatic In	(B11) st (B12) vertebrates			V	Vater Marks (B1) ( <b>Riverine</b> )
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; c  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)	Salt Crust Biotic Crust Aquatic In Hydrogen	(B11) st (B12) vertebrates Sulfide Oc	or (C1)		V S C	Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; c  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)	Salt Crust Biotic Crust Aquatic In Hydrogen	(B11) st (B12) vertebrates Sulfide Oc	or (C1)	Living Roc	V S C C ots (C3) C	Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; c  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)	Salt Crust Biotic Crust Aquatic In Hydrogen	(B11) st (B12) vertebrates Sulfide Oc Rhizospher	or (C1) es along		V S C C ots (C3) C	Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; c  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F	(B11) st (B12) vertebrates Sulfide Oc Rhizospher of Reduce	or (C1) es along d Iron (C4	4)	V S C C ots (C3) C	Vater Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; c  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F	(B11) st (B12) vertebrates Sulfide Oc Rhizospher of Reduce n Reduction	or (C1) es along d Iron (C4 on in Tille	4)	V C C ots (C3) C C	Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Oralinage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; c  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	(B11) st (B12) vertebrates Sulfide Oc Rhizospher of Reduce n Reductic Surface (6	or (C1) es along d Iron (C4 on in Tilleo C7)	4)	V S C C C C C C C S	Vater Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Originage Patterns (B10) Ory-Season Water Table (C2) Orayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; c  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (B7)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck	(B11) st (B12) vertebrates Sulfide Oc Rhizospher of Reduce n Reductic Surface (6	or (C1) es along d Iron (C4 on in Tilleo C7)	4)	V S C C C C C C C S	Vater Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Ghallow Aquitard (D3)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; c  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (B7)  — Water-Stained Leaves (B9)  Field Observations:	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck	(B11) st (B12) vertebrates Sulfide Oc Rhizospher of Reduce n Reductic Surface (coloring reductions)	or (C1) es along d Iron (C4 on in Tilleo C7) marks)	d Soils (Cé	V S C C C C C C C S	Vater Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Ghallow Aquitard (D3)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; c  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (B7)  — Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes No	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrates Sulfide Oc Rhizospher of Reduce n Reductic Surface (Colain in Reduction)	or (C1) es along d Iron (C4 on in Tilled C7) marks)	d Soils (Cé	V S C C C C C C C S	Vater Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Ghallow Aquitard (D3)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; c  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (B7)  — Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes ✓ No  Water Table Present? Yes _ No	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrates Sulfide Oc Rhizospher of Reduce n Reductic Surface ( blain in Red ches): 3	or (C1) es along d Iron (C4 on in Tilled C7) marks)	d Soils (Cé	V C C ots (C3) C C S S	Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Staturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) (AC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; c  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (B7)  — Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes ✓ No Water Table Present? Yes _ No Saturation Present? Yes _ No (includes capillary fringe)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp  Depth (inc	(B11) st (B12) vertebrates Sulfide Oc Rhizospher of Reduce n Reductic Surface (Golain in Reduction) sches): ches):	or (C1) es along d Iron (C4 on in Tille (C7) marks)	d Soils (C6	V	Vater Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Ghallow Aquitard (D3)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; c  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (B7)  — Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes ✓ No  Water Table Present? Yes _ No  Saturation Present? Yes _ ✓ No	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp  Depth (inc	(B11) st (B12) vertebrates Sulfide Oc Rhizospher of Reduce n Reductic Surface (Golain in Reduction) sches): ches):	or (C1) es along d Iron (C4 on in Tille (C7) marks)	d Soils (C6	V	Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Staturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) (AC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; c  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (B7)  — Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes ✓ No Water Table Present? Yes _ No Saturation Present? Yes _ No (includes capillary fringe)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp  Depth (inc	(B11) st (B12) vertebrates Sulfide Oc Rhizospher of Reduce n Reductic Surface (Golain in Reduction) sches): ches):	or (C1) es along d Iron (C4 on in Tille (C7) marks)	d Soils (C6	V	Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Staturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) (AC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; c  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (B7)  — Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes ✓ No Water Table Present? Yes _ No Saturation Present? Yes _ No (includes capillary fringe)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp  Depth (inc	(B11) st (B12) vertebrates Sulfide Oc Rhizospher of Reduce n Reductic Surface (Golain in Reduction) sches): ches):	or (C1) es along d Iron (C4 on in Tille (C7) marks)	d Soils (C6	V	Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Staturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) (AC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; c  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (B7)  — Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes ✓ No Water Table Present? Yes _ No Saturation Present? Yes _ No (includes capillary fringe)  Describe Recorded Data (stream gauge, monition)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp  Depth (inc	(B11) st (B12) vertebrates Sulfide Oc Rhizospher of Reduce n Reductic Surface (Golain in Reduction) sches): ches):	or (C1) es along d Iron (C4 on in Tille (C7) marks)	d Soils (C6	V	Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Staturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) (AC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; c  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (B7)  — Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes ✓ No  Water Table Present? Yes _ No  Saturation Present? Yes _ No  (includes capillary fringe)  Describe Recorded Data (stream gauge, monite	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp  Depth (inc	(B11) st (B12) vertebrates Sulfide Oc Rhizospher of Reduce n Reductic Surface (Golain in Reduction) sches): ches):	or (C1) es along d Iron (C4 on in Tille (C7) marks)	d Soils (C6	V	Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Staturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) (AC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; c  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (B7)  — Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes ✓ No Water Table Present? Yes _ No Saturation Present? Yes _ No (includes capillary fringe)  Describe Recorded Data (stream gauge, monition)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp  Depth (inc	(B11) st (B12) vertebrates Sulfide Oc Rhizospher of Reduce n Reductic Surface (Golain in Reduction) sches): ches):	or (C1) es along d Iron (C4 on in Tille (C7) marks)	d Soils (C6	V	Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Staturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) (AC-Neutral Test (D5)

Project/Site: Stonegate Property		City/Coun	nty: <u>Chico/ B</u>	utte	_ Sampling Date	e: <u>3/28/2017</u>
Applicant/Owner: Epick Homes, Inc.	State: <u>CA</u> Sampling Poir					
Investigator(s): David Bise		Section,	Township, Ra	nge: Sec 31 & 32, Tov	vnship 22N, Ra	nge 2E
Landform (hillslope, terrace, etc.): terrace		Local reli	ief (concave,	convex, none): conca	<b>/e</b> s	Slope (%):1
Subregion (LRR): C						
Soil Map Unit Name: Redtough Redswale Complex						
Are climatic / hydrologic conditions on the site typical for this			_			
Are Vegetation, Soil, or Hydrologys	-			"Normal Circumstances"		<b>√</b> No
Are Vegetation, Soil, or Hydrology r				eeded, explain any answ	•	
				· ·		
SUMMARY OF FINDINGS – Attach site map	SHOWING	Sampii	ing point i	——————————————————————————————————————	S, illiportant	Teatures, etc.
	0	Is	the Sampled	I Area		
	0		thin a Wetlar		/ No	<u></u>
Wetland Hydrology Present? Yes   ✓ N  Remarks:	0					
Remarks.						
VEGETATION – Use scientific names of plan	ıts.					
Troo Stratum (Diet size)			nt Indicator	Dominance Test wor	ksheet:	
Tree Stratum (Plot size:)  1		-	S? Status	Number of Dominant S That Are OBL, FACW		1 (A)
2.						(A)
3.				Total Number of Domi Species Across All Str		1 (B)
4.						(5)
	0			Percent of Dominant S That Are OBL, FACW		100 (A/B)
Sapling/Shrub Stratum (Plot size:)						
1				Prevalence Index wo  Total % Cover of:		inly by:
2.				OBL species		
3				FACW species		
5.				FAC species		
	0	_ = Total (	Cover	FACU species		
Herb Stratum (Plot size:)				UPL species	x 5 =	0
1. Mimulus guttattus		No No	OBL SACVA	Column Totals:	<u>0</u> (A) _	0 (B)
Plagiobotrys stipitatus     Eleocharis macrostacya		No.	FACW FACW	Prevalence Inde	ex = B/A =	NaN
	_	<u>Yes</u> No	OBL	Hydrophytic Vegetat	<u> </u>	
Limnantnes douglasii     .				✓ Dominance Test i		
6.				Prevalence Index		
7.				Morphological Ad-	aptations <sup>1</sup> (Provid	de supporting
8.					ks or on a separa	
		_ = Total (	Cover	Problematic Hydro	ophytic Vegetatio	on' (Explain)
Woody Vine Stratum (Plot size:)				<sup>1</sup> Indicators of hydric so	oil and wotland b	vdrology must
1				be present, unless dis		
2	0			Hydrophytic		
		='		Vegetation		
% Bare Ground in Herb Stratum4 % Cover	r of Biotic C	rust		Present? Y	es V No	
Remarks:						

SOIL Sampling Point: 75a

Sandy Gleyed Matrix (S4) unless disturbed or problematic  Restrictive Layer (if present):  Type: Depth (inches): Hydric Soil Present? Yes✓  Remarks:  Black concretions (5%)  HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or regions)  ✓ Surface Water (A1) Salt Crust (B11) ✓ Water Marks (B1) (Rive	g, M=Matrix.				
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.  PL=Pore Linin Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)  Histosol (A1)  Sandy Redox (S5)  Histic Epipedon (A2)  Stripped Matrix (S6)  Black Histic (A3)  Loamy Mucky Mineral (F1)  Stratified Layers (A5) (LRR C)  Stratified Layers (A5) (LRR C)  Depleted Matrix (F3)  1 cm Muck (A9) (LRR D)  Redox Dark Surface (F6)  Depleted Below Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Depleted Dark Surface (F9)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sestrictive Layer (if present):  Type:  Depth (inches):  Depth (inches):  Black concretions (5%)  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required: check all that apply)  Secondary Indicators (2 or recovered or Coated Sand Grains.  Indicators of Problemative Caper or Coated Sand Grains.  PLeoration:  PL=Pore Linin.  1 cm Muck (A9) (LRR C)  1 cm Muck (A9) (LRR C)  2 cm Muck (A9) (LRR C)  Depleted Matrix (F3)  Other (Explain in Remarks)  Other (Explain in Remarks)  Plantal in Remarks)  Plantal in Remarks  Plantal in					
Algoric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Indicators for Problematic Hydrogen (A1)  Histosol (A1)  Histosol (A2)  Histic Epipedon (A2)  Black Histic (A3)  Loamy Mucky Mineral (F1)  Hydrogen Sulfide (A4)  Hydrogen Sulfide (A2)  Hydrogen Sulfide (A4)  Hydrogen Sulfide (A4)  Hydrogen Sulfide (A2)  Hydrogen Sulfide (A2)  Hydrogen Sulfide (A3)  Hydrogen Sulfide (A2)  Red Parent Material (TF2)  Other (Explain in Remarks)  Pepleted Below Dark Surface (A11)  Depleted Dark Surface (F6)  Depleted Below Dark Surface (A11)  Hydrogen Sulfide (A2)  Hydrogen Sulfide (A2)  Hydric Soil Present?  Wetland hydrology must be present in the					
ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)  Histosol (A2)  Histosol (A2)  Black Histic (A3)  Loamy Mucky Mineral (F1)  Hydrogen Sulfide (A4)  Loamy Mucky Mineral (F1)  Stratified Layers (A5) (LRR C)  To Muck (A9) (LRR D)  Redox Dark Surface (F6)  Depleted Below Dark Surface (A11)  Sandy Mucky Depleted Dark Surface (F7)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (F9)  Wetland hydrology must be presentic.  Type:  Depth (inches):  Type:  Depth (inches):  Black concretions (5%)  PROLOGY  Verial Pools (F1)  Secondary Indicators (2 or or of the surface (A11)  Secondary Indicators (2 or or of the surface (A11)  Secondary Indicators (2 or or of the surface (A11)  Secondary Indicators (B1) (River Water Marks (B					
ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)    Histosol (A1)					
Surface Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)   Histosol (A1)					
Algoric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Indicators for Problematic Hydrogen (A1)  Histosol (A1)  Histosol (A2)  Histic Epipedon (A2)  Black Histic (A3)  Loamy Mucky Mineral (F1)  Hydrogen Sulfide (A4)  Hydrogen Sulfide (A4)  Stratified Layers (A5) (LRR C)  Depleted Matrix (F3)  Tom Muck (A9) (LRR D)  Redox Dark Surface (F6)  Depleted Below Dark Surface (A11)  Depleted Dark Surface (F7)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (F1)  Wernal Pools (F9)  Wetland hydrology must be presently:  Type:  Depth (inches):  Hydric Soil Present?  Wetland Hydrology Indicators:  Wetland Hydrology Indicators (2 or not followed)  Sandy Mucky Mineral (S4)  Sandy Mucky Mineral (S5)  Sandy Mucky Mineral (S1)  Depth (inches):  Hydric Soil Present?  Wetland Hydrology Indicators:  Wetland Hydrology Indicators (2 or not followed)  Sandy Mucky Mineral (S6)  Wetland Hydrology Indicators (2 or not followed)  Sandy Mucky Mineral (S6)  Secondary Indicators (2 or not followed)  Secondary Indicators (2 or not followed)  Sandy Matrix (S4)  Secondary Indicators (2 or not followed)  Secondary Indicators (2 or not followed)  Surface Water (A1)  Salt Crust (B11)  Water Marks (B1) (River)					
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C)  Histic Epipedon (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR B)  Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18)  Hydrogen Sulfide (A4) Loamy Mucky Mineral (F2) Red Parent Material (TF2)  Stratified Layers (A5) (LRR C)					
Algoric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)					
Algoric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Indicators for Problematic Hydrogen (A1)  Histosol (A1)  Histosol (A2)  Histic Epipedon (A2)  Black Histic (A3)  Loamy Mucky Mineral (F1)  Hydrogen Sulfide (A4)  Loamy Mucky Mineral (F1)  Reduced Vertic (F18)  Hydrogen Sulfide (A4)  Loamy Gleyed Matrix (F2)  Stratified Layers (A5) (LRR C)  Depleted Matrix (F3)  Tom Muck (A9) (LRR D)  Redox Dark Surface (F6)  Depleted Below Dark Surface (A11)  Depleted Dark Surface (F7)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Redox Depressions (F8)  Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type:  Depth (inches):  Bear Redox Dark Surface (A12)  Bear Redox Depressions (F9)  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required: check all that apply)  Secondary Indicators (2 or or of the Sandy Marks (B1) (River Sandy Rayler Rayle					
Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C) Histic Epipedon (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR B) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) _ Loamy Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) _ / Depleted Matrix (F3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) _ Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) _ 3Indicators of hydrophytic vegeta Sandy Mucky Mineral (S1) Vernal Pools (F9) _ wetland hydrology must be pre Sandy Gleyed Matrix (S4) unless disturbed or problematic strictive Layer (if present): Type: Depth (inches): Hydric Soil Present? Yes _ ✓ Pemarks:  ### VPROLOGY  Verland Hydrology Indicators:  #### Visuation of the problematic striction of	ric Soils":				
Histic Epipedon (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR B) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Indicators of hydrophytic vegeta Sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be present included in the property of the property o					
Black Histic (A3)					
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2)  Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks)  1 cm Muck (A9) (LRR D) Redox Dark Surface (F6)  Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)  Thick Dark Surface (A12) Redox Depressions (F8) Finish Dark Surface (A12) Redox Depressions (F8) Finish Dark Surface (A12) Finish Dark Surface (A12) Finish Depleted Dark Surface (F7)  Sandy Mucky Mineral (S1) Finish Dark Surface (F9) Finish Dark Surface (F7)  Sandy Gleyed Matrix (S4) Finish Dark Surface (F9) Finish Dark Surface (F7)  Depth (inches): Hydric Soil Present? Yes Finish Dark Surface (F7)  Welland Hydrology Indicators: Secondary Indicators (2 or research Surface (F7)  Secondary Indicators (Bit (B11) Finish Dark Surface (F6)  Depth (Inches): Secondary Indicators (2 or research Surface (F6)  Strate Parent Material (TF2)  Depth (Explain in Remarks)  Finish Dark Surface (F6)  Depleted Matrix (F3) Dark Surface (F6)  Vernal Pools (F9) Finish Surface (F7)  Welland Hydricators (F8)  Finish Surface (F6)  Depleted Dark Surface (F6)  Vernal Pools (F9) Finish Surface (F6)  Welland Hydricators (F6)  Finish Surface (F6)  Depleted Dark Surface (F6)  Polyelar (F6)  Polyelar (F6)  Depleted Dark Surface (F6)  Welland Hydricators (F6)  Welland Hydricators (F6)  Finish Surface (F6)  Depleted Dark Surface (F6)  Welland Hydricators (F6)  Finish Surface (F6)  Depleted Dark Surface (F6)  Welland Hydricators (F6)  Finish Surface (F6)  Depleted Dark Surface (F6)  Welland Hydricators (F6)  Finish Surface (F6)  Finis					
Stratified Layers (A5) (LRR C)					
1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) * Indicators of hydrophytic vegeta wetland hydrology must be present of problematic strictive Layer (if present): Depth (inches): Beat Crust (B11) * Surface (B11) Secondary Indicators (2 or resemble to the following problematic strictive surface (F6)					
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) 3Indicators of hydrophytic vegeta wetland hydrology must be present of problematic studies of problemati					
Sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be present by unless disturbed or problematic strictive Layer (if present):  Type:  Depth (inches): Hydric Soil Present? Yesv  Remarks:  Black concretions (5%)  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Secondary Indicators (2 or regulated)  Surface Water (A1) Salt Crust (B11)  Wetland hydrology must be present by unless disturbed or problematic unless di					
Sandy Gleyed Matrix (S4) unless disturbed or problematic  Restrictive Layer (if present):					
Restrictive Layer (if present):  Type: Depth (inches): Hydric Soil Present? Yes  Remarks:  Black concretions (5%)  YDROLOGY  Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or regulations) Surface Water (A1) Salt Crust (B11)  Water Marks (B1) (Rive	wetland hydrology must be present,				
Type:	C.				
Depth (inches): Hydric Soil Present? Yes  Remarks:  Black concretions (5%)  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Y Surface Water (A1) Salt Crust (B11)  Y water Marks (B1) (River					
Remarks:  Black concretions (5%)  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  ✓ Surface Water (A1)  Salt Crust (B11)  ✓ Water Marks (B1) (Rive	/ No				
Black concretions (5%)  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Y Surface Water (A1)  Secondary Indicators (2 or regulations)  Wetland Hydrology Indicators:  Secondary Indicators (2 or regulations)  Matter Marks (B1) (River)	NO				
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; check all that apply)       Secondary Indicators (2 or regulators)         ✓ Surface Water (A1)       Salt Crust (B11)       ✓ Water Marks (B1) (River)					
Primary Indicators (minimum of one required; check all that apply)  ✓ Surface Water (A1)  Secondary Indicators (2 or r ✓ Water Marks (B1) (Rive					
✓ Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Rive	mara raquirad)				
<del>_</del>	-				
	✓ Water Marks (B1) (Riverine)  Sediment Denosits (B2) (Riverine)				
	<pre> Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)</pre>				
Valer Marks (B1) (Nonriverine) Prychogen Sunde Odor (C1) Brainage Fatterns (B1) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Tab					
Drift Deposits (B3) (Nonriverine) Oxidized killed spirites along Elving Roots (e3) Bry-Season water rab Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8)	(02)				
Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Ac	erial Imagery ((				
✓ Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3)	snar imagery (				
Field Observations:					
Surface Water Present? Yes _ \(  \) No Depth (inches): _1					
Water Table Present? Yes V No Depth (inches):					
Saturation Present? Yes Ves No Depth (inches): 8 Wetland Hydrology Present? Yes	/ No				
includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Describe Recorded Data (stream gauge, monitoring well, aerial priotos, previous inspections), il available:					
Remarks:					
Remarks: n swale.					

Project/Site: Stonegate Property	City/County: Chico/ Butte Sampling Date: 3/28/201					
Applicant/Owner: Epick Homes, Inc.	State: <u>CA</u> Sam					ıt: <u>76a</u>
Investigator(s): David Bise		Section,	Township, Ra	nge: <u>Sec 31 &amp; 32, Tov</u>	wnship 22N, Ra	nge 2E
Landform (hillslope, terrace, etc.): terrace		Local rel	ief (concave,	convex, none): concav	/e s	Slope (%):1
Subregion (LRR): C						
Soil Map Unit Name: Redtough Redswale Complex						
Are climatic / hydrologic conditions on the site typical for thi			_			
Are Vegetation, Soil, or Hydrologys	_			·Normal Circumstances		✓ No
Are Vegetation, Soil, or Hydrology r				eeded, explain any answ	•	
SUMMARY OF FINDINGS – Attach site map						
300000AKT OF FINDINGS - Attach site map	SHOWING	Sampi	ing point i	ocations, transect	5, important	
	0	Is	the Sampled	l Area		
	0		ithin a Wetlar		/ No	
Wetland Hydrology Present? Yes   ✓ N  Remarks:	0					
Remarks.						
VEGETATION – Use scientific names of plan	ıts.					
Troo Stratum (Diat siza.			nt Indicator	Dominance Test wor	ksheet:	
Tree Stratum (Plot size:)  1)		-	s? Status	Number of Dominant: That Are OBL, FACW		1 (A)
2.						
3.				Total Number of Dom Species Across All St		1 (B)
4.						(5)
	0			Percent of Dominant S That Are OBL, FACW		100 (A/B)
Sapling/Shrub Stratum (Plot size:)						
1				Prevalence Index wo		tiply by:
2.				OBL species		
3				FACW species		
5.				FAC species		
	0	_ = Total (	Cover	FACU species		
Herb Stratum (Plot size:)				UPL species	x 5 =	0
1. Brodiaea elegans		<u>No</u>	<u>FACU</u>	Column Totals:	<u>0</u> (A) _	0 (B)
2. Senecio vulgaris		No Vac	UPL FACIAL	Provalence Inde	ex = B/A =	NaN
Eleocharis macrostacya     Ranunculus occidentalis		<u>Yes</u> No	<u>FACW</u> FAC	Hydrophytic Vegetat		
5				✓ Dominance Test		
6.				Prevalence Index		
7.				Morphological Ad	laptations <sup>1</sup> (Provid	de supporting
8.					ks or on a separa	
		_ = Total (	Cover	Problematic Hydr	ophytic Vegetatic	on' (Explain)
Woody Vine Stratum (Plot size:)				<sup>1</sup> Indicators of hydric s	oil and watland h	vdrology must
1				be present, unless dis		
2				Hydrophytic		
		=		Vegetation		
% Bare Ground in Herb Stratum4 % Cove	r of Biotic C	rust		Present? Y	es <u>√</u> No	
Remarks:						

SOIL Sampling Point: 76a

Profile Desc	cription: (Describe	to the dept	h needed to docu	ment the	indicator	or confirm	n the absence	of indicators.)			
Depth	Matrix	0/		ox Feature	S T 1	Loc <sup>2</sup>	Tandona	Damanto			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>		<u>Texture</u>	Remarks			
0-8	7.5YR 4/2	93	2.5YR 5/3	7	<u>C</u>	_M	<u>clay loam</u>	distinct mottles			
				_							
	-			_							
1 <sub>Typo: C-C</sub>	oncentration, D=Dep	olotion DM-	Poducod Matrix C	S_Covere	d or Coate	od Sand C	rains <sup>2</sup> l o	cation: PL=Pore Lining, M=Matrix.			
	Indicators: (Applic					eu Sanu G		for Problematic Hydric Soils <sup>3</sup> :			
_		abio to un i			,			Muck (A9) (LRR C)			
Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6)								Muck (A10) ( <b>LRR B</b> )			
Black Histic (A3)  — Black Histic (A3)  — Loamy Mucky Mineral (F1)								ced Vertic (F18)			
	en Sulfide (A4)		Loamy Gle	-				arent Material (TF2)			
	d Layers (A5) (LRR	C)	✓ Depleted N		(12)			(Explain in Remarks)			
	uck (A9) ( <b>LRR D</b> )	,	Redox Dar		(F6)			,			
	d Below Dark Surfac	e (A11)	Depleted D								
Thick D	ark Surface (A12)		Redox Dep	ressions (	F8)		<sup>3</sup> Indicators	of hydrophytic vegetation and			
Sandy N	Mucky Mineral (S1)		Vernal Poo	ols (F9)			wetland	hydrology must be present,			
	Gleyed Matrix (S4)						unless o	listurbed or problematic.			
	Layer (if present):										
Type: <u>cla</u>	ay layer										
Depth (in	ches): <u>3</u>						Hydric Soil	Present? Yes <u>√</u> No			
Remarks:											
la avvala											
In swale.											
HYDROLO	ocv.										
1	drology Indicators:										
Primary Indi	cators (minimum of o	one required	l; check all that app	ly)				ndary Indicators (2 or more required)			
✓ Surface	• •		Salt Crus	. ,			Water Marks (B1) (Riverine)				
_	ater Table (A2)		Biotic Cru	ıst (B12)			Sediment Deposits (B2) (Riverine)				
✓ Saturati			Aquatic Ir	nvertebrate	es (B13)		[	Orift Deposits (B3) (Riverine)			
Water M	larks (B1) ( <b>Nonriver</b>	rine)	Hydroger	Sulfide O	dor (C1)		[	Prainage Patterns (B10)			
Sedime	nt Deposits (B2) ( <b>No</b>	nriverine)	Oxidized	Rhizosphe	eres along	Living Roo	ots (C3) [	Ory-Season Water Table (C2)			
Drift De	posits (B3) ( <b>Nonrive</b>	rine)	Presence	of Reduce	ed Iron (C	4)	(	Crayfish Burrows (C8)			
Surface	Soil Cracks (B6)		Recent Ir	on Reduct	ion in Tille	ed Soils (Co	6) <u> </u>	Saturation Visible on Aerial Imagery (C9)			
✓ Inundati	on Visible on Aerial	Imagery (B7	') Thin Muc	k Surface	(C7)		<u>√</u> S	Shallow Aquitard (D3)			
Water-S	Stained Leaves (B9)		Other (Ex	plain in Re	emarks)		F	AC-Neutral Test (D5)			
Field Obser	vations:										
Surface Wat	er Present?	′es <u>√</u> ſ	No Depth (ir	nches): 1							
Water Table		_	No Depth (ir			l l					
Saturation P		_	No Depth (ir				land Hydrolog	y Present? Yes No			
	pillary fringe)	C3_ <del>V</del> 1	10 Depti (ii	icrics). <u>C</u>		_   ""	iana riyarolog	yrresent. res_v No			
Describe Re	corded Data (stream	n gauge, mo	nitoring well, aerial	photos, pr	evious ins	spections),	if available:				
Remarks:											

Project/Site: Stonegate Property		City/Cour	nty: <u>Chico/ B</u>	lutte	_ Sampling Date	: <u>3/28/2017</u>
Applicant/Owner: Epick Homes, Inc.	State: <u>CA</u> Sampling Point:					
Investigator(s): <u>David Bise</u>		Section,	Township, Ra	inge: <u>Sec 31 &amp; 32, Tov</u>	wnship 22N, Ra	nge 2E
Landform (hillslope, terrace, etc.): terrace		Local rel	ief (concave,	convex, none): concav	<b>ve</b> s	lope (%):1
Subregion (LRR): C						
Soil Map Unit Name: Redtough Redswale Complex						
Are climatic / hydrologic conditions on the site typical for thi			_			
Are Vegetation, Soil, or Hydrology:	_			"Normal Circumstances"		<b>√</b> No
Are Vegetation, Soil, or Hydrology				eeded, explain any answ		
SUMMARY OF FINDINGS – Attach site map						
300000AKT OF FINDINGS - Attach site map	SHOWING	Sampi	ing point i	——————————————————————————————————————	S, IIIIportant	
	No	Is	the Sampled	d Area		
	No		ithin a Wetlaı		/ No	
Wetland Hydrology Present? Yes✓ N Remarks:	No					
Remarks.						
VEGETATION - Use scientific names of plan	nts.					
Troo Stratum (Diat ciza)			int Indicator	Dominance Test wor	ksheet:	
Tree Stratum (Plot size:)  1			s? Status	Number of Dominant : That Are OBL, FACW		2 (A)
2.						(A)
3.				Total Number of Domi Species Across All Str		2 (B)
4.						(5)
	0			Percent of Dominant S That Are OBL, FACW		100 (A/B)
Sapling/Shrub Stratum (Plot size:)						
1				Prevalence Index wo		inly by:
2.				OBL species		
34.				FACW species		
5				FAC species		
	0	= Total	Cover	FACU species		
Herb Stratum (Plot size:)				UPL species	x 5 =	0
1. Ranunculus occidentalis		No	FAC	Column Totals:	<u>0</u> (A)	0 (B)
2. Festuca perenne		Yes	FAC	Prevalence Inde	ex = B/A =	NaN
Eleocharis macrostacya     Limnanthes douglasii	_	<u>Yes</u> No	<u>FACW</u> OBL	Hydrophytic Vegetat	<u> </u>	14414
Limnantnes douglasii     Mimulus guttatus		No	OBL	✓ Dominance Test i		
6				Prevalence Index		
7.				Morphological Ad	laptations <sup>1</sup> (Provid	de supporting
8.					ks or on a separa	
		= Total	Cover	Problematic Hydr	ophytic Vegetatio	n' (Explain)
Woody Vine Stratum (Plot size:)				1 Indicators of budgie o	all and watland by	udrala av marrat
1				<sup>1</sup> Indicators of hydric so be present, unless dis		
2	0			Hydrophytic		
				Vegetation		
% Bare Ground in Herb Stratum 1 % Cove	er of Biotic C	rust		Present? Y	'es <u>√</u> No	
Remarks:						

SOIL Sampling Point: 77a

Profile Desc	cription: (Describe	to the dept	h needed to docu	ment the	indicator	or confirm	n the absence	e of indicators.)			
Depth	Matrix			<u>x Feature</u>		. 2	<b>-</b> .	5			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	. Remarks			
0-8	7.5YR 4/2	90	2.5YR 5/3	10	<u>C</u>	_M	clay loam	distinct mottles			
l ———				<del>-</del>							
l							-				
				_							
¹Type: C=C	oncentration, D=De	oletion, RM=	Reduced Matrix, C	S=Covere	d or Coate	ed Sand Gr	rains. <sup>2</sup> Lc	ocation: PL=Pore Lining, M=Matrix.			
	Indicators: (Applic							s for Problematic Hydric Soils <sup>3</sup> :			
Histosol	(A1)		Sandy Red	ox (S5)			1 cm	Muck (A9) (LRR C)			
Histic Epipedon (A2) Stripped Matrix (S6)						2 cm	Muck (A10) (LRR B)				
Black Hi	Black Histic (A3) Loamy Mucky Mineral (F1)					Redu	ced Vertic (F18)				
	en Sulfide (A4)		Loamy Gle		(F2)			Parent Material (TF2)			
	d Layers (A5) ( <b>LRR</b>	C)	✓ Depleted M				Other	(Explain in Remarks)			
	ıck (A9) ( <b>LRR D</b> )		Redox Dar								
1	d Below Dark Surfac	ce (A11)	Depleted D				31				
	ark Surface (A12) Mucky Mineral (S1)		Redox Dep Vernal Poo		(F8)			s of hydrophytic vegetation and I hydrology must be present,			
	Gleyed Matrix (S4)		vernai Foo	15 (1-7)				disturbed or problematic.			
	Layer (if present):						dilic33	distarbed of problematic.			
Type: cla											
Depth (in							Hydric Soi	il Present? Yes No			
Remarks:	<u>.</u>		<del></del>				11,741.10 00.	<u></u>			
In swale.											
LIVEROLO											
HYDROLO											
	drology Indicators										
	cators (minimum of	one required						ondary Indicators (2 or more required)			
✓ Surface	` '		Salt Crust	, ,			Water Marks (B1) (Riverine)				
	iter Table (A2)		Biotic Cru				Sediment Deposits (B2) (Riverine)				
✓ Saturation			Aquatic In					Drift Deposits (B3) ( <b>Riverine</b> )			
<del></del>	larks (B1) ( <b>Nonrive</b> i		Hydrogen					Drainage Patterns (B10)			
	nt Deposits (B2) ( <b>No</b>				_	_		Dry-Season Water Table (C2)			
	oosits (B3) ( <b>Nonrive</b>	erine)	Presence					Crayfish Burrows (C8)			
	Soil Cracks (B6)		Recent Iro			d Soils (Cé	· —	Saturation Visible on Aerial Imagery (C9)			
	on Visible on Aerial	Imagery (B7						Shallow Aquitard (D3)			
	tained Leaves (B9)		Other (Ex	plain in Re	emarks)	1		FAC-Neutral Test (D5)			
Field Obser		,									
Surface Wat			lo Depth (in			_					
Water Table			lo Depth (in					,			
Saturation P		res <u>√</u> N	lo Depth (in	iches): <u>8</u>		Wetl	and Hydrolog	gy Present? Yes No			
(includes cap	olliary fringe) corded Data (strean	n dalide moi	nitoring well aerial	nhotos n	revious ins	spections)	if available.				
D 03011D0 Tt0	oordod Bala (stroum	r gaago, moi	morning won, donar	priotos, p	ovious ins	,pootions,	ii availabio.				
Remarks:											
l											

Project/Site: Stonegate Property	(	City/Coun	ty: <u>Chico/ B</u> ı	utte	_ Sampling Date:	3/28/2017
Applicant/Owner: Epick Homes, Inc.				State: CA	_ Sampling Point	: <u>78b</u>
Investigator(s): David Bise	;	Section, T	ownship, Rar	nge: <u>Sec 31 &amp; 32, Tov</u>	vnship 22N, Rar	nge 2E
Landform (hillslope, terrace, etc.): terrace		Local reli	ef (concave, o	convex, none): concav	<b>/e</b> SI	lope (%):1
Subregion (LRR): C						
Soil Map Unit Name: Redtough Redswale Complex				-		
Are climatic / hydrologic conditions on the site typical for the						
Are Vegetation, Soil, or Hydrology	-			Normal Circumstances"		<b>√</b> No
Are Vegetation, Soil, or Hydrology				eded, explain any answ		
SUMMARY OF FINDINGS – Attach site map	snowing	Sampii	ng point it		s, important i	eatures, etc.
Hydrophytic Vegetation Present? Yes	No <u> </u>	ls i	the Sampled	<b>A</b> rea		
Hydric Soil Present? Yes	No <u> </u>		thin a Wetlan		No <u>√</u>	
Wetland Hydrology Present? Yes✓	No					_
Remarks:						
VEGETATION - Use scientific names of pla	nts.					
			nt Indicator	Dominance Test wor	ksheet:	
Tree Stratum (Plot size:)		•	? Status	Number of Dominant S	Species	0 (4)
1				That Are OBL, FACW,	, or FAC:	<u>U</u> (A)
2				Total Number of Domi Species Across All Str		1 (B)
4						<u> </u>
	0			Percent of Dominant S That Are OBL, FACW,		0 (A/B)
Sapling/Shrub Stratum (Plot size:)						(7.17.5)
1				Prevalence Index wo		
2				Total % Cover of: OBL species 20	X 1 =	
3				FACW species 0		
4				FAC species 11		
·	0			FACU species 0		
Herb Stratum (Plot size:)				UPL species 65		
1. Triphysaria erianthus		Yes	<u>UPL</u>	Column Totals:	<u>)6         (</u> A) <u> </u>	378 (B)
2. Spergularia rubra		No	<u>FAC</u>	Drovolongo Indo	x = B/A =3.	0275
3. Lasthenia fremontii	10	No	OBL	Hydrophytic Vegetati		
Erodium botrys     Navarretia leucocephalus	<u>10</u> 10	<u>No</u> No	<u>UPL</u> OBL	Dominance Test is		
6. Lepidium nitidum		No	FAC	Prevalence Index		
7				Morphological Ada	aptations <sup>1</sup> (Provid	e supporting
8.				data in Remark	ks or on a separat	te sheet)
	96	= Total C	Cover	Problematic Hydro	ophytic Vegetation	า' (Explain)
Woody Vine Stratum (Plot size:)				1 Indicators of budgie of	all and watland hy	rdrala au const
1				<sup>1</sup> Indicators of hydric so be present, unless dis		
2			`ovor	Hydrophytic		
				Vegetation		
% Bare Ground in Herb Stratum4 % Cov	er of Biotic Cr	ust		Present? Yo	es No_	
Remarks:						

SOIL Sampling Point: 78b

Profile Desc	ription: (Describe	to the depth	needed to docum	nent the indicator or	confirm t	the absence of indicators.)
Depth	Matrix			K Features		
<u>(inches)</u>	Color (moist)		Color (moist)	% Type <sup>1</sup>	Loc <sup>2</sup>	Texture Remarks
0-8	5 YR 3/4	100				
<del></del>						
1						
				=Covered or Coated S	Sand Grai	
_	ndicators: (Applic	cable to all Li				Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Redo			1 cm Muck (A9) (LRR C)
	ipedon (A2)		Stripped Ma			2 cm Muck (A10) (LRR B)
Black His				ky Mineral (F1)		Reduced Vertic (F18)
	n Sulfide (A4) I Layers (A5) ( <b>LRR</b>	<b>C</b> )		ed Matrix (F2)		Red Parent Material (TF2)
	ck (A9) (LRR D)	<b>C</b> )	Depleted Ma	Surface (F6)		Other (Explain in Remarks)
	l Below Dark Surfac	co (Λ11)		rk Surface (F7)		
-	rk Surface (A12)	C (ATT)	✓ Redox Depr			<sup>3</sup> Indicators of hydrophytic vegetation and
	lucky Mineral (S1)		Vernal Pools			wetland hydrology must be present,
	leyed Matrix (S4)		vernar room	5 (1 7)		unless disturbed or problematic.
	ayer (if present):					P
J	ches):		_			Hydric Soil Present? Yes No _✓
Remarks:						Tryano con Fresent. Tes No
Nemarks.						
Tan sands	at bottom of	soil pit.				
HYDROLO	GY					
Wetland Hyd	drology Indicators	<u> </u>				
_	ators (minimum of		check all that annly	Λ		Secondary Indicators (2 or more required)
		<u>Jile requireu,</u>				
Surface \			Salt Crust			Water Marks (B1) (Riverine)
_	ter Table (A2)		Biotic Crus			Sediment Deposits (B2) (Riverine)
Saturatio			•	rertebrates (B13)		Drift Deposits (B3) (Riverine)
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	arks (B1) (Nonrive			Sulfide Odor (C1)		Drainage Patterns (B10)
	t Deposits (B2) (No				ing Roots	S (C3) Dry-Season Water Table (C2)
	osits (B3) ( <b>Nonriv</b> e	erine)		of Reduced Iron (C4)		Crayfish Burrows (C8)
	Soil Cracks (B6)			n Reduction in Tilled S	Soils (C6)	Saturation Visible on Aerial Imagery (C9)
·	on Visible on Aerial	Imagery (B7)	Thin Muck			Shallow Aquitard (D3)
Water-St	tained Leaves (B9)		Other (Exp	lain in Remarks)		FAC-Neutral Test (D5)
Field Observ	/ations:		_			
Surface Wate	er Present?	/es No	o <u>√</u> Depth (inc	ches):		
Water Table	Present?	/es No	o <u>√</u> Depth (inc	:hes):		
Saturation Pr				ches):	Wetlar	nd Hydrology Present? Yes No
(includes cap	illary fringe)					
Describe Rec	corded Data (stream	n gauge, mon	itoring well, aerial p	hotos, previous inspe	ctions), if	available:
Remarks:						

Project/Site: Stonegate Property	(	City/Coun	ty: <u>Chico/ B</u> ı	utte	Sampling Date:3	/28/2017
Applicant/Owner: Epick Homes, Inc.				State: CA	_ Sampling Point:	79b
Investigator(s): David Bise	;	Section, T	ownship, Rar	nge: <u>Sec 31 &amp; 32, Tov</u>	wnship 22N, Range 2	2E
Landform (hillslope, terrace, etc.): terrace		Local reli	ef (concave, c	convex, none): conca	ve Slope	(%): <u>1</u>
Subregion (LRR): C						
Soil Map Unit Name: Redtough Redswale Complex						
Are climatic / hydrologic conditions on the site typical for th						
Are Vegetation, Soil, or Hydrology	-			Normal Circumstances"	_	No
Are Vegetation, Soil, or Hydrology				eded, explain any answ	•	
				-		
SUMMARY OF FINDINGS – Attach site map	snowing	Sampii	ng point it	Jeauons, transect	S, important lead	ures, etc.
Hydrophytic Vegetation Present? Yes <u>✓</u> ↑		ls i	the Sampled	<b>∆</b> rea		
Hydric Soil Present? Yes 1			thin a Wetlan		No <u></u> ✓	
Wetland Hydrology Present? Yes   ✓	No					
Remarks:						
VEGETATION – Use scientific names of plan	nts.					
			nt Indicator	Dominance Test wor	rksheet:	
Tree Stratum (Plot size:)		•	? Status	Number of Dominant S		
1				That Are OBL, FACW	/, or FAC:1	(A)
2				Total Number of Domi		(D)
3				Species Across All Str	Tala:	(B)
	0			Percent of Dominant S	Species /, or FAC: <u>100</u>	(A/R)
Sapling/Shrub Stratum (Plot size:)						(A/D)
1				Prevalence Index wo		
2					: Multiply by	-
3.					x 1 =0	
4					x 2 = 0 x 3 = 0	
5				· ·	x 4 = 0	
Herb Stratum (Plot size:)		= Total C	ovei		x 5 = 0	
1. Triphysaria eriantus	5	No	<u>UPL</u>	Column Totals:		
2. Lasthenia fremontii	5	No	<u>OBL</u>			
3. <u>Lupinus bicolor</u>		No	<u>UPL</u>		ex = B/A = <u>NaN</u>	
4. Eleocharis macrostachya		Yes	FACW	Hydrophytic Vegetat		
5. <u>Erodium botrys</u>		No	UPL	✓ Dominance Test i		
6. <u>Lepidium nitidum</u>	_	No	<u>FAC</u>	Prevalence Index	≀is ≤3.0° laptations¹ (Provide su <sub>l</sub>	nnartina
7. Layia fremontii	1	No	UPL FAC	data in Remar	ks or on a separate sh	eet)
8. Trifolium variegatum		No Total C	FAC	Problematic Hydr	ophytic Vegetation <sup>1</sup> (E.	xplain)
Woody Vine Stratum (Plot size:)		= Total C	over			
1					oil and wetland hydrolo	
2				be present, unless dis	sturbed or problematic.	
	0	= Total C	Cover	Hydrophytic		
% Bare Ground in Herb Stratum6 % Cove	er of Biotic Cr	ust		Vegetation   Present? Y	′es <u> </u>	
Remarks:				L		

SOIL Sampling Point: 79b

Depth	scription: (Describe <u>Matrix</u>		Redo	x Features		_	·
(inches)	Color (moist)	%	Color (moist)	-	/pe <sup>1</sup> Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-8	5 YR 4/4	100			<u>M</u>	clay loam	
				<u> </u>	<u>M</u>		
				· <u></u>		<del></del>	
	<del>-</del>			· — — —	<del></del>	<del></del>	
	-					<del></del>	
	<u> </u>						
	<u> </u>					<u> </u>	
	Concentration, D=De				Coated Sand G		tion: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	cable to all I	RRs, unless othe	rwise noted.)		Indicators for	or Problematic Hydric Soils <sup>3</sup> :
Histoso	` '		Sandy Red				ck (A9) (LRR C)
	Epipedon (A2)		Stripped Ma				ck (A10) (LRR B)
	Histic (A3)		-	ky Mineral (F1			Vertic (F18)
	en Sulfide (A4)	C)		ed Matrix (F2)	)		ent Material (TF2)
	ed Layers (A5) (LRR luck (A9) (LRR D)	C)	Depleted M	Surface (F6)		Other (E	xplain in Remarks)
_	ed Below Dark Surface	re (A11)	<del></del>	ark Surface (F	7)		
•	Dark Surface (A12)	30 (////)		ressions (F8)	• •	<sup>3</sup> Indicators of	hydrophytic vegetation and
	Mucky Mineral (S1)		Vernal Poo				drology must be present,
	Gleyed Matrix (S4)					_	turbed or problematic.
Restrictive	Layer (if present):						
Туре:							
Depth (ir	nches):		Hydric Soil P	resent? Yes No			
Remarks:							
In closed	l donroccion						
	depression.	المامال					
Concreti	ons at 2 inches	, black.					
HYDROLO	OGY						
	ydrology Indicators	:					
-	icators (minimum of		: check all that appl	v)		Seconda	ary Indicators (2 or more required)
	e Water (A1)	ono roquirou	Salt Crust				ter Marks (B1) (Riverine)
	ater Table (A2)		Biotic Crus	` '			diment Deposits (B2) (Riverine)
Saturat				vertebrates (B	13)		t Deposits (B3) ( <b>Riverine</b> )
· <del></del>	Marks (B1) ( <b>Nonrive</b>	rine)		Sulfide Odor (	•		inage Patterns (B10)
	ent Deposits (B2) (No				along Living Ro		-Season Water Table (C2)
	eposits (B3) (Nonrive		Presence	· ·		-	yfish Burrows (C8)
	e Soil Cracks (B6)	, iiic)			n Tilled Soils (C		uration Visible on Aerial Imagery (C9)
· <del></del>	tion Visible on Aerial	Imagery (B7		Surface (C7)	i Tilica Solis (C		allow Aquitard (D3)
	Stained Leaves (B9)	imagery (b)		olain in Remar	ks)		C-Neutral Test (D5)
Field Obse			011101 (EX	Jan III Kemai	1		o ivedital rest (Be)
		√oc N	Jo <u>✓</u> Depth (in	choc).			
Water Table			lo <u>√</u> Depth (in				
Saturation F	Present? apillary fringe)	Yes <u>√</u> N	lo Depth (in	ches): <u>4</u>	Wet	lland Hydrology I	Present? Yes <u>√</u> No
Describe Re	ecorded Data (strean	n gauge, mo	nitoring well, aerial	photos, previo	us inspections)	, if available:	
Remarks:							

Project/Site: Stonegate Property		City/Cou	ınty: <u>Chico/ B</u>	utte	_ Sampling	Date:	3/28/2017
Applicant/Owner: Epick Homes, Inc.	State: <u>CA</u>					Point:	80a
Investigator(s): David Bise		Section,	Township, Ra	inge: <u>Sec 31 &amp; 32, To\</u>	wnship 22N	I, Range	2E
Landform (hillslope, terrace, etc.): terrace		Local re	elief (concave,	convex, none): concav	ve	Slope	· (%):1
Subregion (LRR): C	Lat: 39°	43' 17	.242" N	Long: 121° 46' 52.5	70" W	Datum:	NAD83
Soil Map Unit Name: Redtough Redswale Complex							
Are climatic / hydrologic conditions on the site typical for thi			_				
Are Vegetation, Soil, or Hydrologys	_			 "Normal Circumstances"		∕es ✓	No
Are Vegetation, Soil, or Hydrologyı				eeded, explain any answ	-		
SUMMARY OF FINDINGS – Attach site map				-			turos oto
	3110Willig	Samp	inig point i	ocations, transect	3, import	ant real	idies, etc.
	lo	ls	s the Sampled	d Area			
Hydric Soil Present? Yes N Wetland Hydrology Present? Yes ✓ N	lo	v	vithin a Wetlaı	nd? Yes <u>v</u>	No_		
Remarks:	10						
Nemarks.							
VEGETATION – Use scientific names of plan							
Tree Stratum (Plot size:)			ant Indicator	Dominance Test wor			
1				Number of Dominant That Are OBL, FACW		1	(A)
2.					_		(//
3.				Total Number of Dom Species Across All St		2	(B)
4							` ,
	0	= Total	Cover	Percent of Dominant: That Are OBL, FACW		50	(A/B)
Sapling/Shrub Stratum (Plot size:)				Prevalence Index wo	arkshoot:		
1				Total % Cover of:		Multiply k	ov.
2.       3.				OBL species 50			-
4				FACW species 0			
5.				FAC species 2			
	0	= Total	Cover	FACU species 0	x 4	=	)
Herb Stratum (Plot size:)	45	V	LIDI	UPL species 46			
1. Triphysaria erianthus		Yes	UPL ORL	Column Totals:	<u>98</u> (A)	28	36 (B)
Lasthenia fremontii     Achyrachaena mollis	_	<u>Yes</u> No	OBL FAC	Prevalence Inde	ex = B/A =	2.91836	7346
Achyrachaena mollis     Navarretia leucocephala		No	OBL	Hydrophytic Vegetat			
5. Trifolium variegatum		No	FAC	Dominance Test			
6. <u>Layia fremontii</u>		No	UPL	✓ Prevalence Index	is ≤3.0 <sup>1</sup>		
7.				Morphological Ad	laptations <sup>1</sup> (F	Provide su	upporting
8				data in Remar			
	98	= Total	Cover	Problematic Hydr	opnytic vege	etation (E	Explain)
Woody Vine Stratum (Plot size:)				<sup>1</sup> Indicators of hydric s	oil and wetla	and hydrol	oav must
1				be present, unless dis			
2.				Hydrophytic			
0/ Para Cround in Harb Stratums 2		=		Vegetation	/aa ./	Ne	
% Bare Ground in Herb Stratum 2	O BIOTIC C	iust		Present? Y	′es <u>√</u>	No	
Remarks:							

SOIL Sampling Point: 80a

Profile Desc	cription: (Describe	to the dept	h needed to docu	ment the	indicator	or confirm	n the absence	of indicators.)			
Depth	Matrix			ox Feature	:S1	. 2	<b>-</b> .	B			
<u>(inches)</u>	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	<u>Loc<sup>2</sup></u>	<u>Texture</u>	Remarks			
0-8	7.5YR 3/1	93	2.5 YR 3/6	_	<u>C</u>	_M	<u>clay loam</u>	distinct mottles			
					·						
		_		_							
		_		_							
l											
1Type: C-C	oncentration, D=Dep	letion PM-	Peduced Matrix C	S-Covere	d or Coate	ad Sand G	rains <sup>2</sup> l o	cation: PL=Pore Lining, M=Matrix.			
	Indicators: (Applic					ou Sanu O		s for Problematic Hydric Soils <sup>3</sup> :			
1 -					,			Muck (A9) (LRR C)			
Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6)								Muck (A10) (LRR B)			
	istic (A3)		Loamy Mu		al (F1)			ced Vertic (F18)			
	en Sulfide (A4)		Loamy Gle	-				arent Material (TF2)			
	d Layers (A5) (LRR	C)	Depleted N					(Explain in Remarks)			
1 cm Mi	uck (A9) ( <b>LRR D</b> )		Redox Dar	k Surface	(F6)						
	d Below Dark Surfac	ce (A11)	Depleted D								
	ark Surface (A12)		✓ Redox Dep		(F8)			of hydrophytic vegetation and			
_	Mucky Mineral (S1)		Vernal Poo	ls (F9)				hydrology must be present,			
	Gleyed Matrix (S4)						unless o	disturbed or problematic.			
	Layer (if present):										
J			<del></del>					,			
Depth (in	ches):						Hydric Soil	Present? Yes No			
Remarks:											
In closed	depression. Bl	ack conc	retions								
iii ciosea	acpression. Br	ack come									
HYDROLO	OGY										
	drology Indicators:										
1	cators (minimum of o		l· check all that ann	lv)			Seco	ndary Indicators (2 or more required)			
✓ Surface	•	one required	Salt Crus				Secondary Indicators (2 or more required)				
l —	` ,			. ,			Water Marks (B1) (Riverine)				
⊓igii wa	ater Table (A2)		Biotic Cru		o (D12)		<ul><li>Sediment Deposits (B2) (Riverine)</li><li>Drift Deposits (B3) (Riverine)</li></ul>				
		-! a\	Aquatic Ir								
	Marks (B1) (Nonriver		Hydroger			Listan Da		Orainage Patterns (B10)			
	nt Deposits (B2) (No							Ory-Season Water Table (C2)			
	posits (B3) (Nonrive	erine)	Presence					Crayfish Burrows (C8)			
	Soil Cracks (B6)	. (D-	Recent Ir			ea Solis (Co		Saturation Visible on Aerial Imagery (C9)			
	ion Visible on Aerial	imagery (B					·	Shallow Aquitard (D3)			
	Stained Leaves (B9)		Other (Ex	plain in Re	emarks)		⊦	AC-Neutral Test (D5)			
Field Obser		. / .									
Surface Wat			No Depth (ir								
Water Table		_	No 🖌 Depth (ir								
Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No											
Describe Re	pillary fringe) corded Data (strean	n dalide mo	nitoring well aerial	nhotos ni	evious in	spections)	if available				
Describe Ne	coraca Data (stream	r gaage, mo	rittoring well, dendi	priotos, pi	CVIOUS III.	эрсскопз),	ii avallable.				
Remarks:											
Shallow of	depression.										

Project/Site: Stonegate Property		City/Cou	unty: <u>Chico/ E</u>	Butte	Sampling Date	e: <u>3/28/2017</u>
Applicant/Owner: Epick Homes, Inc.				State: CA	Sampling Poir	nt: <u>81b</u>
Investigator(s): David Bise		Section	, Township, Ra	ange: <u>Sec 31 &amp; 32, To</u> v	wnship 22N, Ra	ange 2E
Landform (hillslope, terrace, etc.): terrace		Local re	elief (concave,	convex, none): conca	ve :	Slope (%):1_
Subregion (LRR): C						
Soil Map Unit Name: Redtough Redswale Complex						
Are climatic / hydrologic conditions on the site typical for th			_			
Are Vegetation, Soil, or Hydrology	-			"Normal Circumstances"		<b>√</b> No
Are Vegetation, Soil, or Hydrology				eeded, explain any answ		
SUMMARY OF FINDINGS – Attach site map				· · · · ·		
	SHOWING	Samp	ning point i	Cations, transect	.s, important	Teatures, etc.
	No	1	s the Sample	d Area		
Hydric Soil Present? Yes ↑ Wetland Hydrology Present? Yes ↑		V	within a Wetla	nd? Yes	No <u></u>	<u>′</u>
Wetland Hydrology Present? Yes✓ N Remarks:	VO					
Normalika.						
VEGETATION – Use scientific names of plan						
Tree Stratum (Plot size:)			nant Indicator es? Status	Dominance Test wo		
1		-		Number of Dominant That Are OBL, FACW		1 (A)
2.						(//)
3.				Total Number of Dom Species Across All St		1 (B)
4.						(5)
	0			Percent of Dominant: That Are OBL, FACW		100 (A/B)
Sapling/Shrub Stratum (Plot size:)						
1				Prevalence Index wo		tiply by:
2.				OBL species		
3 4				FACW species		
5				FAC species		
	0	= Total	l Cover	FACU species		
Herb Stratum (Plot size:)				UPL species	x 5 =	0
1. Limnathes douglasii		<u>No</u>	OBL	Column Totals:	<u>0</u> (A) _	<u> </u>
2. <u>Triphysaria erianthus</u>		No Vac	UPL FACIAL	Prevalence Indo	ex = B/A =	NaN
Eleocharis macrostacya     Erodium botrys	10	<u>Yes</u> No	<u>FACW</u> UPL	Hydrophytic Vegeta		<u> </u>
Erodium botrys     Lathenia fremontii	10	No	OBL	✓ Dominance Test		
6				Prevalence Index		
7				Morphological Ac	daptations <sup>1</sup> (Provi	ide supporting
8.					rks or on a separa	
		= Tota		Problematic Hydr	ophytic Vegetation	on' (Explain)
Woody Vine Stratum (Plot size:)				1 Indicators of budgio o	ail and watland h	audrologu mayot
1				<sup>1</sup> Indicators of hydric s be present, unless dis		
2	0			Hydrophytic		
				Vegetation	,	
% Bare Ground in Herb Stratum % Cove	er of Biotic C	rust		Present? Y	/es <u>√</u> No	
Remarks:						

SOIL Sampling Point: 81b

Б								
Depth (inches)	Matrix Color (moist)	%	Color (moist)	ox Features%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-8		97	5YR 3/2					
	,							
							-	
	-							
	-							
			Reduced Matrix, C			d Sand G		cation: PL=Pore Lining, M=Matrix.
		cable to all	LRRs, unless othe		ed.)			for Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1) pipedon (A2)		Sandy Red Stripped M					Muck (A9) (LRR C) Muck (A10) (LRR B)
Black His			Loamy Mud		l (F1)			ed Vertic (F18)
	n Sulfide (A4)		Loamy Gle					arent Material (TF2)
	l Layers (A5) ( <b>LRR</b>	C)	Depleted M				Other	(Explain in Remarks)
	ck (A9) ( <b>LRR D</b> )	(0.4.4)	Redox Dar					
	l Below Dark Surfac ork Surface (A12)	ce (ATT)	Depleted D Redox Dep				3Indicators	of hydrophytic vegetation and
	lucky Mineral (S1)		Vernal Poo		0)			hydrology must be present,
	leyed Matrix (S4)		<u> </u>	( )				isturbed or problematic.
Restrictive L	ayer (if present):							
Туре:								_
Depth (inc	ches):						Hydric Soil	Present? Yes No
Remarks:								
No redox.	Northorn torn		_					
	. NOLLIEH LEH	minus of	riverine featui	re.				
	. Northern ten	minus of	riverine featu	re.				
	. Northern ten	minus of	riverine featu	re.				
HYDROLO(		minus of	riverine featu	re.				
HYDROLO			riverine featu	re.				
HYDROLOO	GY drology Indicators:	:	riverine featui				<u>Secor</u>	ndary Indicators (2 or more required)
HYDROLOG Wetland Hyc Primary Indic  ✓ Surface V	GY drology Indicators: sators (minimum of o Water (A1)	:	d; check all that app Salt Crust	oly) t (B11)			W	/ater Marks (B1) (Riverine)
HYDROLOG Wetland Hyc Primary Indic Surface V High Wa	GY drology Indicators: eators (minimum of of Water (A1) ter Table (A2)	:	d; check all that app Salt Crust Biotic Cru	nly) t (B11) ust (B12)			W	/ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> )
HYDROLOG  Wetland Hyc  Primary Indic  ✓ Surface V  — High Wa  — Saturatio	GY drology Indicators: eators (minimum of o Water (A1) ter Table (A2) on (A3)	: one require	d; check all that app Salt Crust Biotic Cru Aquatic Ir	ily) t (B11) ist (B12) nvertebrate			W S D	/ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine)
HYDROLOG  Wetland Hyd  Primary Indic  ✓ Surface V  High Wa  — Saturatio  — Water M:	GY drology Indicators: ators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver	: one require	d; check all that app Salt Crust Biotic Cru Aquatic Ir Hydrogen	lly) t (B11) ist (B12) nvertebrate i Sulfide Od	dor (C1)		W S D	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10)
HYDROLOG  Wetland Hyd  Primary Indic  Surface V High Wa Saturatio Water Ma Sedimen	GY drology Indicators: ators (minimum of of the control of the con	: one require rine) onriverine)	d; check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized	oly) t (B11) ist (B12) nvertebrate i Sulfide Oo Rhizosphei	dor (C1) res along	_	W S D D ots (C3) D	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2)
HYDROLOG  Wetland Hyd  Primary Indic  Surface V  High Wa  Saturatio  Water Ma  Sedimen  Drift Dep	GY  drology Indicators: sators (minimum of	: one require rine) onriverine)	d; check all that app Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized   Presence	oly) t (B11) ast (B12) avertebrate a Sulfide Oc Rhizospher of Reduce	dor (C1) res along d Iron (C4	1)	W S D D ots (C3) D	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8)
HYDROLOG  Wetland Hyc  Primary Indic  ✓ Surface V  — High Wa  — Saturatio  — Water Ma  — Sedimen  — Drift Dep  — Surface S	GY  drology Indicators: eators (minimum of	: one require rine) onriverine)	d; check all that app  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Iro	t (B11) ust (B12) uvertebrate u Sulfide Oo Rhizosphe of Reduce un Reduction	dor (C1) res along d Iron (C4 on in Tille	1)	W S D D ots (C3) D C	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9)
HYDROLOG  Wetland Hyc  Primary Indic  ✓ Surface N  — High Wa  — Saturatio  — Water M  — Sedimen  — Drift Dep  — Surface S  ✓ Inundation	GY  drology Indicators: ators (minimum of	: one require rine) onriverine)	d; check all that app  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Iro Thin Mucl	t (B11) ust (B12) uvertebrate u Sulfide Oc Rhizospher of Reduce on Reduction	dor (C1) res along d Iron (C4 on in Tille C7)	1)	W S D ots (C3) D C S) S	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3)
HYDROLOG  Wetland Hyc  Primary Indic  ✓ Surface N  — High Wa  — Saturatio  — Water M  — Sedimen  — Drift Dep  — Surface S  ✓ Inundation	GY  drology Indicators: ators (minimum of	: one require rine) onriverine)	d; check all that app  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Iro Thin Mucl	t (B11) ust (B12) uvertebrate u Sulfide Oo Rhizosphe of Reduce un Reduction	dor (C1) res along d Iron (C4 on in Tille C7)	1)	W S D ots (C3) D C S) S	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9)
HYDROLOG  Wetland Hyd  Primary Indic  ✓ Surface V  High Wa  Saturatio  Water Mater	GY  drology Indicators: sators (minimum of	: one required rine) onriverine) erine)	d; check all that app  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ird Other (Ex	oly)  t (B11)  ust (B12)  nvertebrate  i Sulfide Oo  Rhizosphei  of Reduce  on Reduction  k Surface (	dor (C1) res along d Iron (C4 on in Tille C7) marks)	t) d Soils (Ce	W S D ots (C3) D C S) S	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3)
HYDROLOG  Wetland Hyd  Primary Indic  Surface V  High Wa  Saturatio  Water Ma  Sedimen  Drift Dep  Surface S  Inundatio  Water-St  Field Observ  Surface Water	GY  drology Indicators: ators (minimum of	erine)  Imagery (B	d; check all that app  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Iro Thin Mucl Other (Ex	oly)  t (B11)  ust (B12)  nvertebrate  n Sulfide Oc  Rhizospher  of Reduce  on Reduction  k Surface (  pplain in Re	dor (C1) res along d Iron (C4 pon in Tille C7) marks)	t) d Soils (Ce	W S D ots (C3) D C S) S	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3)
HYDROLOG  Wetland Hyd  Primary Indic  Surface V High Wa Saturatio Water Ma Sedimen Drift Dep Surface S Inundatic Water-St  Field Observ	GY  drology Indicators: sators (minimum of	erine) Imagery (B	d; check all that app  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Irc Thin Mucl Other (Ex	oly)  It (B11)  Ist (B12)  Invertebrate  In Sulfide Oct  Rhizospher  In Reduce  In Reduce  In Sulfide Oct  In Reduce  In	dor (C1) res along d Iron (C4 on in Tille C7) marks)	l) d Soils (Co	W S D D C C S S F	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
HYDROLOG  Wetland Hyd  Primary Indic  Surface V  High Wa  Saturatio  Water Ma  Sedimen  Drift Dep  Surface S  Inundatic  Water-St  Field Observ  Surface Water Table V  Saturation Pr  (includes cap	GY  drology Indicators: sators (minimum of	cine)  prine)  prine)  Imagery (B  //es/  //es/	d; check all that app  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Irc Thin Mucl Other (Ex	oly)  t (B11)  ust (B12)  nvertebrate  s Sulfide Oc Rhizospher  of Reduce on Reduction  k Surface (  plain in Re  nches):  nches):	dor (C1) res along d Iron (C4 on in Tille C7) marks)	d Soils (Co	W S D ots (C3) D C S) S F	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3)
HYDROLOG  Wetland Hyd  Primary Indic  Surface V  High Wa  Saturatio  Water Ma  Sedimen  Drift Dep  Surface S  Inundatic  Water-St  Field Observ  Surface Water Table V  Saturation Pr  (includes cap	GY  drology Indicators: sators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial stained Leaves (B9) vations: er Present? Present?	cine)  prine)  prine)  Imagery (B  //es/  //es/	d; check all that app  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Irc Thin Mucl Other (Ex	oly)  t (B11)  ust (B12)  nvertebrate  s Sulfide Oc Rhizospher  of Reduce on Reduction  k Surface (  plain in Re  nches):  nches):	dor (C1) res along d Iron (C4 on in Tille C7) marks)	d Soils (Co	W S D ots (C3) D C S) S F	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
HYDROLOG  Wetland Hyd  Primary Indic  Surface V High Wa Saturatio Water Mater Mater Mater Mater Sedimen Drift Dep Surface Surface Surface Surface Water-St  Field Observ Surface Water Table I Saturation Pr (includes cap Describe Rec	GY  drology Indicators: sators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial stained Leaves (B9) vations: er Present? Present?	cine)  prine)  prine)  Imagery (B  //es/  //es/	d; check all that app  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Irc Thin Mucl Other (Ex	oly)  t (B11)  ust (B12)  nvertebrate  s Sulfide Oc Rhizospher  of Reduce on Reduction  k Surface (  plain in Re  nches):  nches):	dor (C1) res along d Iron (C4 on in Tille C7) marks)	d Soils (Co	W S D ots (C3) D C S) S F	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
HYDROLOG  Wetland Hyc  Primary Indic  ✓ Surface V  High Wa  Saturatio  Water Management  Drift Dep  Surface S  ✓ Inundatio  Water-St  Field Observ  Surface Water  Water Table I  Saturation Pr  (includes cap  Describe Rec	GY  drology Indicators: ators (minimum of of of other cators) water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonriver at Deposits (B3) (Nonriver at Deposits (B6) on Visible on Aerial at a cator cat	cine)  crine)  crine)  crine)  Imagery (B  crine)  crine  crine  magery (B	d; check all that app  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized I Presence Recent Ird Other (Ex  No Depth (ir  No Depth (ir  No Depth (ir  Donitoring well, aerial	oly)  t (B11)  ust (B12)  nvertebrate  s Sulfide Oc Rhizospher  of Reduce on Reduction  k Surface (  plain in Re  nches):  nches):	dor (C1) res along d Iron (C4 on in Tille C7) marks)	d Soils (Co	W S D ots (C3) D C S) S F	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
HYDROLOG  Wetland Hyc  Primary Indic  ✓ Surface V  High Wa  Saturatio  Water Management  Drift Dep  Surface S  ✓ Inundatio  Water-St  Field Observ  Surface Water  Water Table I  Saturation Pr  (includes cap  Describe Rec	GY  drology Indicators: sators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial stained Leaves (B9) vations: er Present? Present?	cine)  crine)  crine)  crine)  Imagery (B  crine)  crine  crine  magery (B	d; check all that app  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized I Presence Recent Ird Other (Ex  No Depth (ir  No Depth (ir  No Depth (ir  Donitoring well, aerial	oly)  t (B11)  ust (B12)  nvertebrate  s Sulfide Oc Rhizospher  of Reduce on Reduction  k Surface (  plain in Re  nches):  nches):	dor (C1) res along d Iron (C4 on in Tille C7) marks)	d Soils (Co	W S D ots (C3) D C S) S F	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
HYDROLOG  Wetland Hyd  Primary Indic  ✓ Surface V  High Wa  Saturatio  Water Mater Mater  Sedimen  Drift Dep  Surface S  ✓ Inundatio  Water-St  Field Observ  Surface Water  Surface Water  Surface Water  Company Surface Mater  Surface Records  Remarks:	GY  drology Indicators: ators (minimum of of of other cators) water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonriver at Deposits (B3) (Nonriver at Deposits (B6) on Visible on Aerial at a cator cat	cine)  crine)  crine)  crine)  Imagery (B  crine)  crine  crine  magery (B	d; check all that app  Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized I Presence Recent Ird Other (Ex  No Depth (ir  No Depth (ir  No Depth (ir  Donitoring well, aerial	oly)  t (B11)  ust (B12)  nvertebrate  s Sulfide Oc Rhizospher  of Reduce on Reduction  k Surface (  plain in Re  nches):  nches):	dor (C1) res along d Iron (C4 on in Tille C7) marks)	d Soils (Co	W S D ots (C3) D C 5) S F	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)

Project/Site: Stonegate Property		City/Cou	unty: <u>Chico/ B</u>	utte	Sampling D	ate: 3/28	3/2017
Applicant/Owner: Epick Homes, Inc.	State: CA Sampling Point: 82a						82a
Investigator(s): David Bise		Section	, Township, Ra	nge: <u>Sec 31 &amp; 32, To</u>	wnship 22N,	Range 2E	
Landform (hillslope, terrace, etc.): terrace		Local re	elief (concave,	convex, none): conca	ve	_ Slope (%)	: <u>1</u>
Subregion (LRR): C							
Soil Map Unit Name: <u>Doemill-Jokerst Complex</u>							
Are climatic / hydrologic conditions on the site typical for tl			_				
Are Vegetation, Soil, or Hydrology	-			"Normal Circumstances		s 🗸 N	No.
Are Vegetation, Soil, or Hydrology				eeded, explain any ansv	•		
SUMMARY OF FINDINGS – Attach site map							oc oto
SOMMART OF FINDINGS - Attach site map	Silowing	Samp	ning point i	ocations, transec			
	No	l l	s the Sampled	l Area			
	No	v	within a Wetla	nd? Yes	✓ No		
Wetland Hydrology Present? Yes   ✓  Remarks:	NO						
Nemarks.							
VEGETATION – Use scientific names of pla							
Tree Stratum (Plot size:)			nant Indicator es? Status	Dominance Test wo			
1				Number of Dominant That Are OBL, FACW		2	(A)
2.							_ (/-)
3.				Total Number of Dom Species Across All S		2	(B)
4.							. (5)
	0			Percent of Dominant That Are OBL, FACW		100	(A/B)
Sapling/Shrub Stratum (Plot size:)							
1				Prevalence Index w  Total % Cover of		fultiply by:	
2.				OBL species			
3				FACW species			
5				FAC species			
	0	= Total	l Cover	FACU species			_
Herb Stratum (Plot size:)				UPL species	x 5 =	0	_
1. Layia fremontii		No	UPL	Column Totals:	<u>0</u> (A)	0	(B)
2. <u>Erodium botrys</u>	10	No	UPL OPL	Prevalence Inde	Δv - R/Δ -	NaN	
Sidalcea calycosa     Trifolium variegatum	10	No No	OBL FAC	Hydrophytic Vegeta			
- Lasthania framantii	25	Yes	OBL	✓ Dominance Test			
6. Limnanthes douglasii		Yes	OBL	Prevalence Inde			
7. Geranium dissectum		No	FACU	Morphological A	daptations <sup>1</sup> (Pro	ovide suppo	rting
8. Triphysaria erianthus	15	No	UPL		rks or on a sep		
	98	= Total	l Cover	Problematic Hyd	rophytic Vegeta	ation' (Expla	ain)
Woody Vine Stratum (Plot size:)				<sup>1</sup> Indicators of hydric s	soil and watland	d budrologu	must
1				be present, unless di			musi
2			L Cover	Hydrophytic			
		='		Vegetation			
% Bare Ground in Herb Stratum 2 % Cov	er of Biotic C	rust		Present?	Yes <u>√</u> N	No	
Remarks:							

SOIL Sampling Point: 82a

Depth	ription: (Describe Matrix	to the de	pth needed to docu Redo	ment the ox Feature		or confirm	n the absence	of indicators.)
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-2	5 YR 3/4	100					clay loam	
2-6	7.5 YR 4/2	90	5 YR 3/4	_10	С	PL	clay loam	distinct redox
		_		-				
	-				<u> </u>			
				_				
1 <sub>Tumo</sub> , C. C.		lotion DN	Doduced Matrix C		d or Coots	ad Cond C		estion. DI Dere Lining M Metric
			l=Reduced Matrix, C: I LRRs, unless othe			ea Sana G		cation: PL=Pore Lining, M=Matrix.  for Problematic Hydric Soils <sup>3</sup> :
Histosol		abio to di	Sandy Red		,			Muck (A9) (LRR C)
	oipedon (A2)		Stripped M					Muck (A10) (LRR B)
Black Hi	stic (A3)		Loamy Mud				Reduc	ced Vertic (F18)
	n Sulfide (A4)		Loamy Gle	•			·	arent Material (TF2)
	Layers (A5) (LRR	C)	✓ Depleted M				Other	(Explain in Remarks)
	ick (A9) ( <b>LRR D</b> ) d Below Dark Surfac	- (Δ11)	Redox Darl Depleted D					
	ark Surface (A12)	C (ATT)	Redox Dep				3Indicators	of hydrophytic vegetation and
·	lucky Mineral (S1)		Vernal Poo		()			hydrology must be present,
	ileyed Matrix (S4)						unless c	listurbed or problematic.
	_ayer (if present):							
Type: <u>cla</u>								,
Depth (inc	ches): <u>3</u>						Hydric Soil	Present? Yes No
Remarks:								
In riverine	e feature.							
HYDROLO								
-	drology Indicators:							
-		one require	ed; check all that app	-				ndary Indicators (2 or more required)
✓ Surface	` '		Salt Crust	` '			·	Vater Marks (B1) (Riverine)
	ter Table (A2)		Biotic Cru		(D40)			Sediment Deposits (B2) (Riverine)
✓ Saturatio		·! a\	Aquatic In		` ,			Orift Deposits (B3) (Riverine)
<del></del>	arks (B1) (Nonriver		Hydrogen Oxidized I			Living Do		Orainage Patterns (B10) Ory-Season Water Table (C2)
	nt Deposits (B2) ( <b>No</b> posits (B3) ( <b>Nonriv</b> e		Oxidized i					Crayfish Burrows (C8)
	Soil Cracks (B6)	i ii ie)	Recent Iro				·	Saturation Visible on Aerial Imagery (C9)
	on Visible on Aerial	Imagery (F				u 30113 (0t		Shallow Aquitard (D3)
	tained Leaves (B9)		Other (Ex					AC-Neutral Test (D5)
Field Obser					•			, ,
Surface Water	er Present?	′es <u>√</u>	No Depth (in	ches): 1				
Water Table			No ✓ Depth (in					
Saturation Pr			No Depth (in				and Hydrolog	y Present? Yes No
(includes cap	oillary fringe)							
Describe Re	corded Data (Stream	ı gauge, m	onitoring well, aerial	photos, pi	revious ins	spections),	ii avaliable:	
Remarks:								
	ootuwa Name	مام ب	al approximant	مار ۲۰	- ادائنت هم			
kiverine f	eature. Narrov	v cnann	el, approximate	ery z-te	er Mide	•		

Project/Site: Stonegate Property		City/Co	unty: <u>Chico/ E</u>	Butte	Sampling D	ate: <u>3/2</u>	8/2017
Applicant/Owner: Epick Homes, Inc.	State: CA Sampling Point: 83a						83a
Investigator(s): David Bise		Section	ı, Township, Ra	nge: <u>Sec 31 &amp; 32, To</u>	wnship 22N,	Range 2E	
Landform (hillslope, terrace, etc.): terrace		Local r	elief (concave,	convex, none): conca	ive	_ Slope (%	): <u> </u>
Subregion (LRR): C	Lat: 39°	43' 4.3	302" N	Long: 121° 46' 44.2	219" W	Datum: NA	AD83
Soil Map Unit Name: <u>Doemill-Jokerst Complex</u>							
Are climatic / hydrologic conditions on the site typical for the							
Are Vegetation, Soil, or Hydrology	-			"Normal Circumstances		ıs <b>√</b> 1	Vο
Are Vegetation, Soil, or Hydrology				eeded, explain any ansv	·		
SUMMARY OF FINDINGS – Attach site map				· · · · ·			os oto
	, snowing	Samp	Jiiig point i	- Cattoris, transec	ts, importa	- reature	es, etc.
	No		Is the Sampled	d Area			
Hydric Soil Present? Yes   Wetland Hydrology Present? Yes   ✓	No	١   ١	within a Wetla	nd? Yes	<u>√</u> No		
Remarks:	NO						
Normany.							
VEGETATION – Use scientific names of pla							
Tree Stratum (Plot size:)			nant Indicator es? Status	Dominance Test wo			
1				Number of Dominant That Are OBL, FACV		1	(A)
2							_ (//
3.				Total Number of Don Species Across All S		1	(B)
4							_
	0	_ = Tota	I Cover	Percent of Dominant That Are OBL, FACV		100	_ (A/B)
Sapling/Shrub Stratum (Plot size:)				Prevalence Index w	orkshoot:		
1				Total % Cover of		Jultiply by:	
2				OBL species			
4				FACW species			
5.				FAC species			
	0	_ = Tota	I Cover	FACU species	x 4 =	0	
Herb Stratum (Plot size:)	2	NI -	ODI	UPL species			
1. Lythrum hyssopifolium		No No	OBL OBL	Column Totals:	0 (A)	0	(B)
Navarettia leucocephala     Triphysaria erianthus	-	No No	OBL UPL	Prevalence Ind	ex = B/A =	NaN	
4 Allium an		No	UPL	Hydrophytic Vegeta			
Allium sp.     Limnanthes douglasii		No	OBL	✓ Dominance Test			
6. Festuca perenne		Yes	FAC	Prevalence Inde			
7. <u>Lasthena fremontii</u>		No	OBL	Morphological A	daptations <sup>1</sup> (Pr	ovide suppo	orting
8. Eleocharis macrostachya	10	No	FACW		rks or on a sep		•
	95	_ = Tota	I Cover	Problematic Hyd	ropnytic veget	ation (Expi	ain)
Woody Vine Stratum (Plot size:)				<sup>1</sup> Indicators of hydric s	soil and wetland	d hydrology	must
1				be present, unless di			must
2			I Cover	Hydrophytic			
0/ Para Cround in Harb Stratum E		='		Vegetation	v	No	
% Bare Ground in Herb Stratum 5	ei oi Biotic C	rust		Present?	Yes <u>√</u> ľ	<u> </u>	
Remarks:							

SOIL Sampling Point: 83a

	ription: (Describe Matrix	to the dep		ment the ox Feature		or confiri	m the absence	e of indicators.)
Depth (inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-2	5 YR 3/4	100					clay loam	
2-7	7.5 YR 4/2	80	2.5 YR 3/4	20	С	М		Distinct mottles
		-			<del></del>			
				_	· ———			
	-			_	-			
				_	<u> </u>			
	oncentration, D=Dep					ed Sand G	irains. <sup>2</sup> Lo	cation: PL=Pore Lining, M=Matrix. s for Problematic Hydric Soils <sup>3</sup> :
_	Indicators: (Applic	able to all	Sandy Red		ea.)			-
Histosol	oipedon (A2)		Sandy Red Stripped M					Muck (A9) ( <b>LRR C</b> ) Muck (A10) ( <b>LRR B</b> )
Black Hi			Loamy Mud		al (F1)			ced Vertic (F18)
	n Sulfide (A4)		Loamy Gle				Red F	Parent Material (TF2)
	d Layers (A5) ( <b>LRR</b> (	C)	Depleted M				Other	(Explain in Remarks)
	ick (A9) (LRR D)	(0.4.4)	Redox Darl					
	d Below Dark Surfac ark Surface (A12)	e (ATT)	Depleted D _✓ Redox Dep				<sup>3</sup> Indicators	s of hydrophytic vegetation and
	fucky Mineral (S1)		Vernal Poo		(1 0)			hydrology must be present,
	Gleyed Matrix (S4)		_	, ,				disturbed or problematic.
	_ayer (if present):							
Type: <u>Cla</u>								
Depth (inc	ches): <u>2</u>		<del></del>				Hydric Soi	I Present? Yes No
Remarks:								
In closed	depression							
	·							
HYDROLO	GY							
Wetland Hyd	drology Indicators:							
Primary India	cators (minimum of c	ne require	d; check all that app	ly)			<u>Seco</u>	ndary Indicators (2 or more required)
✓ Surface	• •		Salt Crust	. ,				Water Marks (B1) ( <b>Riverine</b> )
_	iter Table (A2)		Biotic Cru					Sediment Deposits (B2) (Riverine)
✓ Saturation	` '		Aquatic In					Orift Deposits (B3) (Riverine)
	larks (B1) (Nonriver		Hydrogen			Listan Da		Orainage Patterns (B10)
	nt Deposits (B2) ( <b>No</b>	•	Oxidized i	-	_	_		Ory-Season Water Table (C2) Crayfish Burrows (C8)
	oosits (B3) ( <b>Nonrive</b> Soil Cracks (B6)	ille)	Recent Iro					Saturation Visible on Aerial Imagery (C9)
	on Visible on Aerial	magery (B				u 30113 (C		Shallow Aquitard (D3)
	tained Leaves (B9)		Other (Ex					FAC-Neutral Test (D5)
Field Obser					·			. ,
Surface Water	er Present? Y	es 🗸	No Depth (in	ches): <u>1</u>				
Water Table			No <u>√</u> Depth (in					
Saturation Pr	resent? Y	es 🗸	No Depth (in	ches): 2		Wet	land Hydrolog	gy Present? Yes No
(includes cap								
Describe Ke	corded Data (Stream	gauge, mo	onitoring well, aerial	ρποιος, βι	evious ins	pections)	, ii avaliable:	
Remarks:								
Keduced	iron reaction							

Project/Site: Stonegate Property		City/Cou	unty: <u>Chico/ B</u>	utte	_ Sampling Da	ate: <u>3/28/2</u>	2017
Applicant/Owner: Epick Homes, Inc.				State: CA	_ Sampling Po	oint: <u>84</u> a	a
Investigator(s): David Bise		Section,	, Township, Ra	inge: Sec 31 & 32, Tov	wnship 22N, F	Range 2E	
Landform (hillslope, terrace, etc.): terrace		Local re	elief (concave,	convex, none): conca	ve	Slope (%): _	1
Subregion (LRR): C	Lat: 39°	42' 53	.922" N	Long: 121° 46' 51.0	53" W	Datum: NAD8	33
Soil Map Unit Name: <u>Doemill-Jokerst Complex</u>							
Are climatic / hydrologic conditions on the site typical for the			_				
Are Vegetation, Soil, or Hydrology	-			——— \		s 🗸 No	
Are Vegetation, Soil, or Hydrology				eeded, explain any answ	•		
SUMMARY OF FINDINGS – Attach site map				· · ·			oto
300000ART OF FINDINGS - Attach site map	silowing	Samp	ning point i	ocations, transect	.s, importar	————	eic.
	No	l:	s the Sampled	d Area			
	No	v	within a Wetla	nd? Yes <b>\</b>	No		
Wetland Hydrology Present? Yes   ✓  Remarks:	No						
Nemarks.							
VEGETATION – Use scientific names of pla	nts.						
Tree Stratum (Plot size:)			nant Indicator es? Status	Dominance Test wo			
1				Number of Dominant That Are OBL, FACW		2 (	(Δ)
2				·		(	. 9
3.				Total Number of Dom Species Across All St		2 (	(B)
4						`	. ,
	0	= Total	l Cover	Percent of Dominant That Are OBL, FACW		100 (	(A/B)
Sapling/Shrub Stratum (Plot size:)				Prevalence Index wo	orkshoot:		
1				Total % Cover of		ultiply by	
2				OBL species			
4				FACW species			
5				FAC species			
	0	_ = Total	l Cover	FACU species	x 4 =	0	
Herb Stratum (Plot size:)	10	NI.	LIDI	UPL species			
Triphysaria erianthus     Trifolium variegatum		No.	UPL FAC	Column Totals:	<u>0</u> (A)	0	(B)
Eleocharis macrostacya		No Yes	FACW	Prevalence Inde	ex = B/A =	NaN	
4. Lupinus bicolor	4	No	UPL	Hydrophytic Vegeta			
5. Lasthenia fremontii		No	OBL	✓ Dominance Test	is >50%		
6. Festuca perenne		Yes	FAC	Prevalence Index			
7. <u>Sidalcea calycosa</u>	_ 1	No	OBL	Morphological Ac	laptations <sup>1</sup> (Pro	vide supportin	ng
8				Problematic Hydr	rks or on a sepa		١
Manda Vina Chahan (Dlahaina	97	= Total	l Cover	Froblematic riyul	opriytic vegeta	tion (Explain)	'
Woody Vine Stratum (Plot size:)  1				<sup>1</sup> Indicators of hydric s	oil and wetland	l hvdrology mu	ıst
2.				be present, unless dis			
	0		l Cover	Hydrophytic			
% Bare Ground in Herb Stratum3		='		Vegetation Present?	′es ✓ N	lo.	
Remarks:	ei oi biotic c	iusi		Flescht: Y	CO ▼ IV	lo	
Nomano.							
İ							

SOIL Sampling Point: 84a

i de la companya del companya de la companya del companya de la co				or commi	n the absence	of indicators.)
Depth Matrix (inches) Color (moist) %	Color (moist)	ox Feature %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
	•					
0-8 7.5YR 3/2 97	7.5YK 5/6	3		_M	<u>ciay ioam</u>	distinct mottles
	-					
					-	
17 0 0 0 1 11 0 0 1					. 2,	
Type: C=Concentration, D=Depletion, RM=  Hydric Soil Indicators: (Applicable to all				ed Sand Gi		cation: PL=Pore Lining, M=Matrix. s for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Red		.u.)			Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped M					Muck (A10) (LRR B)
Black Histic (A3)		cky Minera	(F1)			ced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gle	eyed Matrix	(F2)		Red F	Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted N				Other	(Explain in Remarks)
1 cm Muck (A9) (LRR D)		rk Surface (				
<ul><li>Depleted Below Dark Surface (A11)</li><li>Thick Dark Surface (A12)</li></ul>	· ·	Dark Surfac pressions (			3Indicators	s of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	✓ Vernal Poo		0)			I hydrology must be present,
Sandy Gleyed Matrix (S4)		, ,				disturbed or problematic.
Restrictive Layer (if present):						
Type:	<u></u>					
Depth (inches):					Hydric Soi	I Present? Yes <u>√</u> No
Remarks:						
In closed depression. Concretion	s (black)					
in closed depression. concretion	is (black).					
HYDROLOGY						
HYDROLOGY  Wetland Hydrology Indicators:						
	d; check all that app	oly)			Seco	endary Indicators (2 or more required)
Wetland Hydrology Indicators:	d; check all that app					ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> )
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required)		t (B11)				
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  ✓ Surface Water (A1)	Salt Crus	t (B11) ust (B12)	s (B13)			Water Marks (B1) (Riverine)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)	Salt Crus Biotic Cru Aquatic II Hydroger	at (B11) ust (B12) nvertebrate n Sulfide Od	lor (C1)		\ ! !	Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized	ust (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe	lor (C1) es along		\ ! ! ots (C3) !	Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence	ust (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe	lor (C1) es along d Iron (C	1)	\ ! ! ! !	Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir	t (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe e of Reduce on Reducti	lor (C1) res along d Iron (Ca on in Tille	1)		Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (B*)	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Thin Muc	t (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe e of Reduce on Reducti k Surface (	for (C1)  Tes along  Id Iron (C4  Ton in Tille  C7)	1)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (B3)  — Water-Stained Leaves (B9)	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir	t (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe e of Reduce on Reducti k Surface (	for (C1)  Tes along  Id Iron (C4  Ton in Tille  C7)	1)		Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (Billing Water-Stained Leaves (B9))  Field Observations:	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Thin Muc	t (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe e of Reduce on Reducti k Surface ( kplain in Re	dor (C1) res along d Iron (C4 on in Tille C7) marks)	1) d Soils (Cé		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Drift Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (Billian Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Thin Muc Other (E)	t (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe e of Reduce on Reducti k Surface ( xplain in Re	lor (C1) res along d Iron (C- on in Tille C7) marks)	1) d Soils (Ce		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (B3)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes   Water Table Present? Yes   — Yes — ✓	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex	t (B11) ust (B12) nvertebrate n Sulfide Oc Rhizosphe e of Reduce on Reducti k Surface ( xplain in Re nches): 1 nches):	lor (C1) res along d Iron (Con on in Tille C7) marks)	4) d Soils (Co		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (B3)  — Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Thin Muc Other (E)	t (B11) ust (B12) nvertebrate n Sulfide Oc Rhizosphe e of Reduce on Reducti k Surface ( xplain in Re nches): 1 nches):	lor (C1) res along d Iron (Con on in Tille C7) marks)	4) d Soils (Co		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (B3)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes   Water Table Present? Yes   — Yes — ✓	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex	t (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe e of Reduce on Reducti k Surface ( xplain in Re nches): 1 nches): 8	dor (C1) res along d Iron (C4 on in Tille C7) marks)	4) d Soils (Co	\           ots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (B')  — Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes  Water Table Present? Yes  Saturation Present? Yes  [includes capillary fringe]	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex	t (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe e of Reduce on Reducti k Surface ( xplain in Re nches): 1 nches): 8	dor (C1) res along d Iron (C4 on in Tille C7) marks)	4) d Soils (Co	\           ots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (B'  — Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes  Water Table Present? Yes  Saturation Present? Yes  [includes capillary fringe]	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex	t (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe e of Reduce on Reducti k Surface ( xplain in Re nches): 1 nches): 8	dor (C1) res along d Iron (C4 on in Tille C7) marks)	4) d Soils (Co	\           ots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (Biden of the companient of the c	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex  No Depth (ii No Depth (ii onitoring well, aerial	t (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe e of Reduce on Reducti k Surface ( xplain in Re nches): 1 nches): 8	dor (C1) res along d Iron (C4 on in Tille C7) marks)	4) d Soils (Co	\           ots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (B'  — Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes  Water Table Present? Yes  Saturation Present? Yes  Saturation Present? Yes  (includes capillary fringe)  Describe Recorded Data (stream gauge, mo	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex  No Depth (ii No Depth (ii onitoring well, aerial	t (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe e of Reduce on Reducti k Surface ( xplain in Re nches): 1 nches): 8	dor (C1) res along d Iron (C4 on in Tille C7) marks)	4) d Soils (Co	\           ots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  ✓ Surface Water (A1)  — High Water Table (A2)  ✓ Saturation (A3)  — Water Marks (B1) (Nonriverine)  — Sediment Deposits (B2) (Nonriverine)  — Drift Deposits (B3) (Nonriverine)  — Surface Soil Cracks (B6)  ✓ Inundation Visible on Aerial Imagery (Billian Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes — ✓  Water Table Present? Yes — ✓  (includes capillary fringe)  Describe Recorded Data (stream gauge, model)	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex  No Depth (ii No Depth (ii onitoring well, aerial	t (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe e of Reduce on Reducti k Surface ( xplain in Re nches): 1 nches): 8	dor (C1) res along d Iron (C4 on in Tille C7) marks)	4) d Soils (Co	\           ots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)

Appendix D — List of Plants Observed on the Project Site	<u> </u>
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		Wetland Indicator
Species	Common Name	Status (WIS)
Achyrachaena mollis	Soft blow wives	UPL
Aira caryophyllea	Silver hairgrass	FACU
Alisma sp.	Water plantain	17,00
Allium amplectens	Narrow leaved onion	UPL
Alopecurus saccatus	Pacific foxtail	OBL
Ambrosia psilostachya	Ragweed	FACU
Amsinckia menziesii	Fiddleneck	UPL
Andropogon virginicus var. virginicus	Broomsedge bluestem	FAC
Anthriscus caucalis	Bur chervil	UPL
Artemisia douglasiana	California mugwort	FAC
Asclepias speciosa	Showy milkweed	FAC
Athysanus pusillus	Athysanus	UPL
Avena barbata	Slender oat	UPL
Avena fatua	Wild oat	UPL
Baccharis salicifolia	Mule fat	FAC
Bidens frondosa	Devil's beggartick	FACW
Blennosperma nanum var. nanum	Common blennosperma	OBL
Brassica rapa	Common mustard	FACU
Briza minor	Annual quaking grass	FAC
Brodiaea californica	California brodiaea	UPL
Brodiaea elegans ssp. elegans	Harvest brodiaea	FACU
Brodiaea minor	Dwarf brodiaea	UPL
Bromus diandrus	Ripgut brome	UPL
Bromus hordeaceus	Soft chess	FACU
Bromus madritensis	Foxtail chess	UPL
Callitriche cf. marginata	California water starwort	OBL
Calochortus luteus	Yellow mariposa lily	UPL
Calycadenia truncata	Rosin weed	UPL
Cardamine oligosperma	Bitter cress	FAC
Carduus pycnocephalus ssp. pycnocephalus	Italian thistle	UPL
Centaurea solstitialis	Yellow star thistle	UPL
Cerastium glomeratum	Sticky chickweed	UPL
Chenopodium album	Lamb's quarters	FACU
Chlorogalum angustifolium	Narrow soaproot	UPL
Chlorogalum pomeridianum	Soap plant	UPL
Cicendia quadrangularis	Common microcalis	FAC
Cirsium vulgare	Bull thistle	FACU
Clarkia arcuata	Glandular clarkia	UPL
Clarkia purpurea ssp. quadrivulnera	Purple clarkia, Winecup clarkia	UPL
Claytonia perfoliata ssp. perfoliata	Miner's lettuce	FAC

		Wetland Indicator
Species	Common Name	Status (WIS)
Convolvulus arvensis	Orchard morningglory	UPL
Crassula aquatica	Annual pygmy weed	OBL
Croton setiger	Turkey-mullein	UPL
Cuscuta sp.	Dodder	UPL
Cynodon dactylon	Bermuda grass	FACU
Cyperus sp.	Nut-sedge	
Datisca glomerata	Durango root	FACW
Delphinium variegatum ssp. variegatum	Royal larkspur	UPL
Deschampsia danthonioides	Annual hairgrass	FACW
Dichelostemma capitatum ssp. capitatum	Wild hyacinth	FACU
Dichelostemma multiflorum	Many flowered brodiaea	UPL
Downingia bicornuta var. bicornuta	Doublehorn calicoflower	OBL
Downingia ornatissima var. ornatissima	Folded calicoflower	OBL
Eleocharis macrostachya	Common spikerush	OBL
Elymus caput-medusae	Medusa head	UPL
Elymus sp.	Wheatgrass	
Epilobium brachycarpum	Annual fireweed	UPL
Epllobium cleistogamum	Cleistogamous boisduvalia	OBL
Erodium botrys	Broad leaf filaree	FACU
Erodium cicutarium	Red stemmed filaree	UPL
Erodium moschatum	White stemmed filaree	UPL
Eryngium vaseyi	Button celery	FACW
Eschscholzia californica	California poppy	UPL
Eschscholzia lobbii	Frying pans	UPL
Festuca bromoides	Brome fescue	UPL
Festuca microstachys	Small fescue	UPL
Festuca myuros	Rattail sixweeks grass	UPL
Festuca perennis	Rye grass	UPL
Frangula californica ssp. tomentella	Hoary coffeeberry	UPL
Fraxinus latifolia	Oregon ash	FACW
Galium parisiense	Wall bedstraw	UPL
Galium triflorum	Fragrant bedstraw	FACU
Geranium dissectum	Cranesbill, Wild geranium	UPL
Geranium molle	Crane's bill geranium	UPL
Glyceria declinata	Waxy mannagrass	FACW
Grindelia camporum	Common gumplant	FACW
Heliotropium curassavicum var. occulartum	Alkali heliotrope	FACU
Hordeum marinum ssp. gussoneanum	Mediterranean barley	FAC
Hordeum murinum	Foxtail barley	FACU
Hypericum perforatum	Klamath weed	FACU

		Wetland Indicator
Species	Common Name	Status (WIS)
Hypochaeris glabra	Smooth cat's ear	UPL
Hypochaeris radicata	Hairy cat's ear	FACU
Juglans hindsii	Northern california black walnut	FAC
Juncus bufonius	Toad rush	FACW
Juncus effusus	Bog rush, Common rush	FACW
Juncus patens	Common rush	FACW
Lactuca serriola	Prickly lettuce	FACU
Lamium amplexicaule	Giraffe head	UPL
Lasthenia californica ssp. californica	California goldfields	FACU
Lasthenia fremontii	Fremont's goldfield	OBL
Lasthenia glaberrima	Smooth goldfield	OBL
Layia fremontii	Fremont layia	UPL
Lemna sp.	Duckweed	
Lepidium nitidum	Shining pepper grass	FAC
Leptosiphon bicolor	True babystars	UPL
Limnanthes douglasii ssp. rosea	Rosy douglas' meadowfoam	OBL
Limnanthes floccosa ssp. californica	Butte county meadowfoam	OBL
Lithophragma parviflorum var. trifoliatum	Prairie woodland star	UPL
Logfia gallica	Narrowleaf cottonroase	UPL
Lomatium caruifolium var. denticulatum	Caroway leaved lomatium	FACW
Lupinus bicolor	Annual lupine	UPL
Lupinus nanus	Sky lupine	UPL
Lysimachia arvensis	Scarlet pimpernel	FAC
Lythrum hyssopifolia	Hyssop loosestrife	OBL
Matricaria discoidea	Pineapple weed	FACU
Medicago polymorpha	Bur-clover	FACU
Mentha arvensis	American wild mint	FACW
Micropus californicus var. californicus	Q tips	FACU
Mimulus glaucescens	Shield bracted monkeyflower	OBL
Mimulus guttatus	Yellow monkey flower	OBL
Mimulus tricolor	Tricolor monkeyflower	OBL
Minuartia californica	California sandwort	FACU
Muhlenbergia rigens	Deergrass	FAC
Myosurus minimus	Common mousetail	OBL
Nasturtium officinale	Watercress	OBL
Navarretia leucocephala ssp. minima	Least navarretia	OBL
Navarretia tagetina	Marigold navarretia	FACW
Nemophila pedunculata	Littlefoot nemophila	FAC
Odontostomum hartwegii	Hartweg's odontostomum	UPL
Petrorhagia dubia	Hairypink	UPL

		Wetland Indicator
Species	Common Name	Status (WIS)
Pistacia chinensis	Chinese pistachio	UPL
Plagiobothrys nothofulvus	Rusty haired popcorn flower	FAC
Plagiobothrys stipitatus var. micranthus	Common vernal pool allocarya	FACW
Plantago erecta	California plantain	UPL
Plantago lanceolata	English plantain	FAC
Plectritis ciliosa	Long spurred plectritis	FACU
Poa bulbosa	Bulbous bluegrass	FACU
Poa secunda ssp. secunda	One sided bluegrass	FACU
Pogogyne zizyphoroides	Sacramento pogogyne	OBL
Polypogon monspeliensis	Rabbitfoot grass	FACW
Populus fremontii ssp. fremontii	Fremont cottonwood	UPL
Portulaca oleracea	Common purslane	FAC
Primula cf. clevalandii	Padre's shooting star	UPL
Psilocarphus brevissimus var. brevissimus	Wooly marbles	FACW
Psilocarphus tenellus	Slender wooly marbles	OBL
Quercus douglasii	Blue oak	UPL
Quercus lobata	Valley oak	FACU
Ranunculus arvensis	Corn buttercup	FACU
Ranunculus muricatus	Spiny buttercup	FACW
Ranunculus occidentalis var. occidentalis	Western cuttercup	FAC
Rubus armeniacus	Himalayan blackberry	FAC
Rumex crispus	Curly dock	FAC
Rumex pulcher	Fiddle dock	FAC
Rumex sp.	Dock	
Salix goodingii	Gooding's willow	FACW
Salix lasiolepis	Arroyo willow	FACW
Salix sp.	Willow	
Sambucus nigra ssp. caerulea	Blue elderberry	FACU
Sanicula bipinnatifida	Purple sanicle	UPL
Sanicula crassicaulis	Gamble weed	UPL
Scandix pecten-veneris	Shepherd's needle	UPL
Sedella pumila	Sierra mock stonecrop	FAC
Selaginella hansenii	Hansen's spike moss	UPL
Senecio vulgaris	Common groundsel	FACU
Sherardia arvensis	Blue fieldmadder	UPL
Sidalcea calycosa ssp calycosa	Annual checkerbloom	OBL
Silybum marianum	Blessed milkthistle	UPL
Sonchus asper ssp. asper	Sow thistle	FAC
Torilis arvensis	Field hedge parsley	UPL
Toxicodendron diversilobum	Poison-oak	FACU

Species	Common Name	Wetland Indicator Status (WIS)
Trichostema lanceolatum	Vinegarweed	FACU
Trifolium depauperatum var. depauperatum	Cowbag clover	FAC
Trifolium dubium	Shamrock clover	UPL
Trifolium hirtum	Rose clover	UPL
Trifolium microcephalum	Hairy clover	FAC
Trifolium subterraneum	Subterraneum clover	UPL
Trifolium variegatum var. variegatum	Variegated clover	FAC
Trifolium willdenowii	Tomcat clover	FACW
Triphysaria eriantha ssp. eriantha	Butter 'n' eggs	UPL
Triteleia hyacinthina	White brodiaea, fool's onion	FAC
Triteleia laxa	Ithuriel's spear	UPL
Typha angustifolia	Narrow leaf cattail	OBL
Verbascum blattaria	Moth mullein	UPL
Veronica peregrina ssp. xalapensis	Purslane speedwell	FAC
Vicia sativa ssp. nigra	Common vetch	FACU
Vicia villosa ssp. varia	Smooth vetch	UPL
Vicia villosa ssp. villosa	Hairy vetch	UPL
Vitis californica	California grape	FACU
Xanthium strumarium	Rough cockleburr	FAC
Zeltnera muhlenbergii	Muhlenberg's centaury	FAC

Appendix E — Representative Site Photographs



Description: Photo point 1 of riverine seasonal wetland looking

north from the southern portion of the Site.

Date: March 23, 2016

Photographer: Charlotte Marks



Description: Photo point 2 looking southeast from the central

portion of the Site.

Date: February 23, 2016 Photographer: Marisa Brilts

# REPRESENTATIVE SITE PHOTOGRAPHS



PAGE 1 OF 5

**APPENDIX E** 



Description: Photo point 3 looking northeast of depressional seasonal wetland within the northwestern portion of the Site.

Date: February 25, 2016 Photographer: Charlotte Marks



Description: Photo point 4 looking south at perennial drainage

from the northeastern portion of the Site.

Date: February 25, 2016 Photographer: Charlotte Marks

# REPRESENTATIVE SITE PHOTOGRAPHS



PAGE 2 OF 5

APPENDIX E



Description: Photo point 5 looking west of ditch/canal from the

southern portion of the Site. Date: February 25, 2016 Photographer: Charlotte Marks



Description: Photo point 6 looking northwest of depressional perennial marsh from the southeastern portion of the Site.

Date: February 25, 2016 Photographer: Charlotte Marks

# REPRESENTATIVE SITE PHOTOGRAPHS



PAGE 3 OF 5

**APPENDIX E** 



Description: Photo Point 7 looking north towards vernal pool

within the western portion of the Site.

Date: February 15, 2016 Photographer: Charlotte Marks



Description: Photo Point 8 looking southeast of ditch/canal

within the southeastern portion of the Site.

Date: February 29, 2016 Photographer: Kelly Bayne

## REPRESENTATIVE SITE PHOTOGRAPHS



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APPENDIX E



Description: Photo Point 9 looking northwest of nonnative annual grassland from southeastern portion of the Site.

Date: February 25, 2016 Photographer: Charlotte Marks



Description: Photo Point 10 looking west towards intermittent

drainage from the southeastern portion of the Site.

Date: February 25, 2016

Photographer: Charlotte Marks

# REPRESENTATIVE SITE PHOTOGRAPHS



PAGE 5 OF 5

APPENDIX E

Appendix F —	Aquatic Reso	urces Excel S	preadsheet

Mate   Part									
DichiCanaledo   CALFORNIA RASB   Area   0.07339 ACRE   DELINEATE   9.071412   -121782857	Waters_Name	State				Units			
DILIDIO-CIAMISTO   CALIFORNIA RASS   Area   0.052037 ACRE   DELINEATE   30.71386   121.796372									
Dishi-Canasibor   CALIFORNIA R4SB   Area   0.051497 AGRE   DELINEATE   307.13816   121.779922   DISHI-Canasibor   CALIFORNIA R4SB   Area   0.133598 AGRE   DELINEATE   307.279569   121.789938   DISHI-Canasibor   CALIFORNIA PEM   Area   0.133598 AGRE   DELINEATE   307.279121   121.79124   DISHI-CANE   CALIFORNIA PEM   Area   0.141079 AGRE   DELINEATE   307.279121   121.79124   DISHI-CANE   CALIFORNIA PEM   Area   0.141079 AGRE   DELINEATE   307.279121   121.79124   DISHI-CANE   CALIFORNIA PEM   Area   0.048599 AGRE   DELINEATE   307.25767   121.785937   DISHI-CANE   CALIFORNIA PEM   Area   0.085890 AGRE   DELINEATE   307.25767   121.785937   DISHI-CANE   CALIFORNIA PEM   Area   0.085890 AGRE   DELINEATE   307.25761   121.785937   DISHI-CANE   DISHI-									
Dishi-Camination   CALIFORNIA R458									
Demil									
DSW1	Ditch\Canal722	CALIFORNIA	R4SB	Area				39.721921	-121.791474
DSW92   CALFORNIA PEMZ	DPM197	CALIFORNIA	PEM1	Area	1.236191	ACRE	DELINEATE	39.714006	-121.780954
DSWM   CALIFORNIA PENZ   Area   0.08598 ACRE DELINEATE   39.72875   7.121.78598   DSWM   CALIFORNIA PENZ   Area   0.09512 ACRE DELINEATE   39.72875   7.121.78598   DSWM   CALIFORNIA PENZ   Area   0.09512 ACRE DELINEATE   39.72875   7.121.78598   DSWM   CALIFORNIA PENZ   Area   0.004127 ACRE DELINEATE   39.72856   4.121.78598   DSWM   CALIFORNIA PENZ   Area   0.004127 ACRE DELINEATE   39.72856   4.121.78598   DSWM   CALIFORNIA PENZ   Area   0.00414 ACRE DELINEATE   39.72856   4.121.78598   DSWM   CALIFORNIA PENZ   Area   0.00514 ACRE DELINEATE   39.72875   4.121.78598   DSWM   CALIFORNIA PENZ   Area   0.00514 ACRE DELINEATE   39.72875   4.121.78598   DSWM   CALIFORNIA PENZ   Area   0.00274 ACRE DELINEATE   39.72875   4.121.78898   DSWM   CALIFORNIA PENZ   Area   0.00274 ACRE DELINEATE   39.72875   4.121.78898   DSWM   CALIFORNIA PENZ   Area   0.00276 ACRE DELINEATE   39.72875   4.121.78891   DSWM   CALIFORNIA PENZ   Area   0.00250 ACRE DELINEATE   39.72851   4.121.78818   DSWM   CALIFORNIA PENZ   Area   0.085078 ACRE DELINEATE   39.72851   4.121.78814   DSWM   CALIFORNIA PENZ   Area   0.085078 ACRE DELINEATE   39.72851   4.121.78818   DSWM   CALIFORNIA PENZ   Area   0.085078 ACRE DELINEATE   39.72451   4.121.78836   DSWM   CALIFORNIA PENZ   Area   0.085078 ACRE DELINEATE   39.72451   4.121.78836   DSWM   CALIFORNIA PENZ   Area   0.085078 ACRE DELINEATE   39.72451   4.121.78836   DSWM   CALIFORNIA PENZ   Area   0.085078 ACRE DELINEATE   39.72451   4.121.78836   DSWM   CALIFORNIA PENZ   Area   0.085078 ACRE DELINEATE   39.72451   4.121.78836   DSWM   CALIFORNIA PENZ   Area   0.085078 ACRE DELINEATE   39.72451   4.121.78836   DSWM   CALIFORNIA PENZ   Area   0.085078 ACRE DELINEATE   39.72451   4.121.78836   DSWM   39.72451   4.121									
DSW9									
DSWG   CALIFORNIA PEMZ   Area   0.006152 ACRE DELINATE   0.72544   121.786987   DSWG   CALIFORNIA PEMZ   Area   0.016127 ACRE DELINATE   0.972546   121.786918   DSWG   CALIFORNIA PEMZ   Area   0.016270 ACRE DELINATE   0.972586   121.78693   DSWG   CALIFORNIA PEMZ   Area   0.016522 ACRE DELINATE   0.972586   121.78693   DSWG   CALIFORNIA PEMZ   Area   0.00593 ACRE DELINATE   0.972587   121.78693   DSWG   CALIFORNIA PEMZ   Area   0.00593 ACRE DELINATE   0.972474   121.78693   DSWG   CALIFORNIA PEMZ   Area   0.00593 ACRE DELINATE   0.972474   121.78694   DSWG   CALIFORNIA PEMZ   Area   0.00593 ACRE DELINATE   0.972474   121.78694   DSWG   CALIFORNIA PEMZ   Area   0.00593 ACRE DELINATE   0.972474   121.78694   DSWG   CALIFORNIA PEMZ   Area   0.00593 ACRE DELINATE   0.972491   121.78694   DSWG   CALIFORNIA PEMZ   Area   0.00593 ACRE DELINATE   0.972491   121.78694   DSWG   CALIFORNIA PEMZ   Area   0.00593 ACRE DELINATE   0.972491   121.78694   DSWG   CALIFORNIA PEMZ   Area   0.00593 ACRE DELINATE   0.972491   121.78695   DSWG   CALIFORNIA PEMZ   Area   0.01634 ACRE DELINATE   0.972491   121.78696   DSWG   CALIFORNIA PEMZ   Area   0.01634 ACRE DELINATE   0.972491   121.78696   DSWG   CALIFORNIA PEMZ   Area   0.01634 ACRE DELINATE   0.972497   121.78696   DSWG   CALIFORNIA PEMZ   Area   0.01634 ACRE DELINATE   0.972497   121.78696   DSWG   CALIFORNIA PEMZ   Area   0.01634 ACRE DELINATE   0.972497   121.78696   DSWG   CALIFORNIA PEMZ   Area   0.01634 ACRE DELINATE   0.972497   121.78696   DSWG   0.00596 ACRE DELINATE   0.00596 ACRE DELINATE   0.972497   121.78696   DSWG   0.00596 ACRE DELINATE   0.00596 ACRE DELINATE   0.972497   121.78696   DSWG   0.00596 ACRE DELINATE   0.00596 ACRE DELINATE									
DSW19   CALIFORNIA PEM2									
DSWY									
DSW9									
DSW11									
DSW12   CALIFORNIA PEM2	DSW9	CALIFORNIA	PEM2	Area	0.015532	ACRE	DELINEATE	39.724785	-121.786738
DSW13	DSW11	CALIFORNIA	PEM2	Area	0.000741	ACRE	DELINEATE	39.724774	-121.789592
DSW114   CALIFORNIA PEMZ									
DSW16									
DSW116   CALIFORNIA PEMZ   Area   0.003001 ACRE   DELINEATE   39,72416   121,787227									
DSW177   CALIFORNIA PEM2									
DSW19									
DSW19									
DSW20   CALIFORNIA PEM2									
DSW21   CALIFORNIA PEM2									
DSW23		CALIFORNIA	PEM2						
DSW24   CALIFORNIA PEM2	DSW22	CALIFORNIA	PEM2	Area	0.003174	ACRE	DELINEATE	39.724282	-121.786417
DSW25   CALIFORNIA PEM2	DSW23	CALIFORNIA	PEM2	Area	0.00399	ACRE	DELINEATE	39.724232	-121.787051
DSW/26   CALIFORNIA PEM/2   Area   0.00056 ACRE DELINEATE   39.724148 - 121.786902	DSW24	CALIFORNIA	PEM2	Area	0.001274	ACRE	DELINEATE	39.724207	-121.786866
DSW27   CALIFORNIA PEMZ									
DSW28   CALIFORNIA PEMZ									
DSW/29   CALIFORNIA PEM2									
DSW30									
DSW31   CALIFORNIA PEMZ									
DSW32   CALIFORNIA PEMZ									
DSW34									
DSW35   CALIFORNIA PEM2   Area   0.006601 ACRE   DELINEATE   39.72383 -121.783671									
DSW36   CALIFORNIA PEM2   Area   0.009648 ACRE   DELINEATE   39.723797 -121.790652									
DSW37									
DSW40									
DSW42         CALIFORNIA PEM2         Area         0.009244 ACRE         DELINEATE         39.723442         -121.783635           DSW43         CALIFORNIA PEM2         Area         0.001446 ACRE         DELINEATE         39.723425         -121.780931           DSW44         CALIFORNIA PEM2         Area         0.004914 ACRE         DELINEATE         39.72342         -121.789719           DSW45         CALIFORNIA PEM2         Area         0.012388 ACRE         DELINEATE         39.72330         -121.781532           DSW46         CALIFORNIA PEM2         Area         0.09907 ACRE         DELINEATE         39.72330         -121.781532           DSW48         CALIFORNIA PEM2         Area         0.007245 ACRE         DELINEATE         39.72330         -121.783178           DSW49         CALIFORNIA PEM2         Area         0.007245 ACRE         DELINEATE         39.72301         -121.783178           DSW51         CALIFORNIA PEM2         Area         0.001766 ACRE         DELINEATE         39.72330         -121.783178           DSW52         CALIFORNIA PEM2         Area         0.004679 ACRE         DELINEATE         39.72330         -121.783178           DSW52         CALIFORNIA PEM2         Area         0.004679 ACRE         DELINEATE	DSW38	CALIFORNIA	PEM2	Area	0.005143	ACRE	DELINEATE	39.723687	-121.781847
DSW43   CALIFORNIA PEM2   Area   0.001446 ACRE   DELINEATE   39.723425   -121.780931	DSW40	CALIFORNIA	PEM2	Area	0.005534	ACRE	DELINEATE	39.723584	-121.789733
DSW44         CALIFORNIA PEM2         Area         0.004914 ACRE DELINEATE         39.72332         -121.789719           DSW45         CALIFORNIA PEM2         Area         0.19388 ACRE DELINEATE         39.723306         -121.781532           DSW46         CALIFORNIA PEM2         Area         0.190122 ACRE DELINEATE         39.7233292         -121.7816532           DSW47         CALIFORNIA PEM2         Area         0.003907 ACRE DELINEATE         39.723292         -121.791482           DSW48         CALIFORNIA PEM2         Area         0.002388 ACRE DELINEATE         39.723001         -121.783178           DSW50         CALIFORNIA PEM2         Area         0.001766 ACRE DELINEATE         39.723056         -121.778191           DSW51         CALIFORNIA PEM2         Area         0.004679 ACRE DELINEATE         39.723056         -121.778191           DSW53         CALIFORNIA PEM2         Area         0.004679 ACRE DELINEATE         39.722962         -121.778228           DSW54         CALIFORNIA PEM2         Area         0.00238 ACRE DELINEATE         39.722965         -121.778308           DSW55         CALIFORNIA PEM2         Area         0.00623 ACRE DELINEATE         39.722955         -121.788407           DSW56         CALIFORNIA PEM2         Area         0.00171	DSW42			Area					
DSW45         CALIFORNIA PEM2         Area         0.012388 ACRE         DELINEATE         39.72336         -121.781532           DSW46         CALIFORNIA PEM2         Area         0.190122 ACRE         DELINEATE         39.72333         -121.78667           DSW47         CALIFORNIA PEM2         Area         0.003907 ACRE         DELINEATE         39.723292         -121.781482           DSW48         CALIFORNIA PEM2         Area         0.002388 ACRE         DELINEATE         39.723201         -121.783966           DSW50         CALIFORNIA PEM2         Area         0.001766 ACRE         DELINEATE         39.72306         -121.778191           DSW51         CALIFORNIA PEM2         Area         0.004679 ACRE         DELINEATE         39.72306         -121.778191           DSW52         CALIFORNIA PEM2         Area         0.001337 ACRE         DELINEATE         39.722965         -121.778086           DSW53         CALIFORNIA PEM2         Area         0.023932 ACRE         DELINEATE         39.722962         -121.778086           DSW54         CALIFORNIA PEM2         Area         0.001751 ACRE         DELINEATE         39.722965         -121.77806           DSW54         CALIFORNIA PEM2         Area         0.001751 ACRE         DELINEATE									
DSW46         CALIFORNIA PEM2         Area         0.190122 ACRE         DELINEATE         39.7233         -121.78667           DSW47         CALIFORNIA PEM2         Area         0.003907 ACRE         DELINEATE         39.72332         -121.791482           DSW48         CALIFORNIA PEM2         Area         0.002388 ACRE         DELINEATE         39.723107         -121.783966           DSW50         CALIFORNIA PEM2         Area         0.001766 ACRE         DELINEATE         39.72306         -121.778191           DSW51         CALIFORNIA PEM2         Area         0.004679 ACRE         DELINEATE         39.72306         -121.778191           DSW52         CALIFORNIA PEM2         Area         0.004679 ACRE         DELINEATE         39.72306         -121.778191           DSW52         CALIFORNIA PEM2         Area         0.004373 ACRE         DELINEATE         39.722965         -121.778086           DSW53         CALIFORNIA PEM2         Area         0.0023932 ACRE         DELINEATE         39.722965         -121.778300           DSW54         CALIFORNIA PEM2         Area         0.001751 ACRE         DELINEATE         39.722965         -121.778300           DSW55         CALIFORNIA PEM2         Area         0.001711 ACRE         DELINEATE									
DSW47         CALIFORNIA PEM2         Area         0.003907 ACRE         DELINEATE         39.723292         -121.791482           DSW48         CALIFORNIA PEM2         Area         0.007245 ACRE         DELINEATE         39.723201         -121.783178           DSW49         CALIFORNIA PEM2         Area         0.002388 ACRE         DELINEATE         39.72306         -121.7783966           DSW50         CALIFORNIA PEM2         Area         0.001766 ACRE         DELINEATE         39.723063         -121.778191           DSW51         CALIFORNIA PEM2         Area         0.004679 ACRE         DELINEATE         39.723063         -121.778191           DSW52         CALIFORNIA PEM2         Area         0.001337 ACRE         DELINEATE         39.722965         -121.778086           DSW53         CALIFORNIA PEM2         Area         0.00333 ACRE         DELINEATE         39.722965         -121.783607           DSW54         CALIFORNIA PEM2         Area         0.001751 ACRE         DELINEATE         39.722956         -121.778104           DSW55         CALIFORNIA PEM2         Area         0.0171 ACRE         DELINEATE         39.722596         -121.778104           DSW56         CALIFORNIA PEM2         Area         0.0171 ACRE         DELINEATE									
DSW48         CALIFORNIA PEM2         Area         0.007245 ACRE         DELINEATE         39.723201         -121.783178           DSW49         CALIFORNIA PEM2         Area         0.002388 ACRE         DELINEATE         39.723107         -121.783966           DSW50         CALIFORNIA PEM2         Area         0.001766 ACRE         DELINEATE         39.723063         -121.778191           DSW51         CALIFORNIA PEM2         Area         0.004679 ACRE         DELINEATE         39.723063         -121.778191           DSW52         CALIFORNIA PEM2         Area         0.001337 ACRE         DELINEATE         39.722962         -121.778086           DSW53         CALIFORNIA PEM2         Area         0.0023932 ACRE         DELINEATE         39.722965         -121.783208           DSW54         CALIFORNIA PEM2         Area         0.001751 ACRE         DELINEATE         39.722967         -121.7783607           DSW55         CALIFORNIA PEM2         Area         0.001751 ACRE         DELINEATE         39.722979         -121.77823           DSW57         CALIFORNIA PEM2         Area         0.01277 ACRE         DELINEATE         39.722682         -121.784571           DSW58         CALIFORNIA PEM2         Area         0.001277 ACRE         DELINEATE									
DSW49         CALIFORNIA PEM2         Area         0.002388 ACRE         DELINEATE         39.723107         -121.783966           DSW50         CALIFORNIA PEM2         Area         0.001766 ACRE         DELINEATE         39.723063         -121.778191           DSW51         CALIFORNIA PEM2         Area         0.004679 ACRE         DELINEATE         39.723063         -121.778128           DSW52         CALIFORNIA PEM2         Area         0.001337 ACRE         DELINEATE         39.722962         -121.778086           DSW53         CALIFORNIA PEM2         Area         0.023932 ACRE         DELINEATE         39.722965         -121.783208           DSW54         CALIFORNIA PEM2         Area         0.002383 ACRE         DELINEATE         39.722965         -121.783208           DSW55         CALIFORNIA PEM2         Area         0.001751 ACRE         DELINEATE         39.722917         -121.778104           DSW56         CALIFORNIA PEM2         Area         0.001171 ACRE         DELINEATE         39.722598         -121.77804           DSW57         CALIFORNIA PEM2         Area         0.01277 ACRE         DELINEATE         39.722682         -121.784571           DSW68         CALIFORNIA PEM2         Area         0.002699 ACRE         DELINEATE									
DSW50         CALIFORNIA PEM2         Area         0.001766 ACRE         DELINEATE         39.723056         -121.778191           DSW51         CALIFORNIA PEM2         Area         0.004679 ACRE         DELINEATE         39.723063         -121.787228           DSW52         CALIFORNIA PEM2         Area         0.001373 ACRE         DELINEATE         39.722962         -121.778086           DSW53         CALIFORNIA PEM2         Area         0.023932 ACRE         DELINEATE         39.722965         -121.783208           DSW54         CALIFORNIA PEM2         Area         0.001751 ACRE         DELINEATE         39.722935         -121.778104           DSW55         CALIFORNIA PEM2         Area         0.001771 ACRE         DELINEATE         39.722917         -121.778104           DSW56         CALIFORNIA PEM2         Area         0.001171 ACRE         DELINEATE         39.722691         -121.77823           DSW57         CALIFORNIA PEM2         Area         0.138436 ACRE         DELINEATE         39.722662         -121.784571           DSW58         CALIFORNIA PEM2         Area         0.002699 ACRE         DELINEATE         39.722682         -121.786913           DSW60         CALIFORNIA PEM2         Area         0.139983 ACRE         DELINEATE									
DSW51         CALIFORNIA PEM2         Area         0.004679 ACRE         DELINEATE         39.723063         -121.787228           DSW52         CALIFORNIA PEM2         Area         0.001337 ACRE         DELINEATE         39.722962         -121.778086           DSW53         CALIFORNIA PEM2         Area         0.023932 ACRE         DELINEATE         39.722965         -121.783208           DSW54         CALIFORNIA PEM2         Area         0.00623 ACRE         DELINEATE         39.722935         -121.783607           DSW55         CALIFORNIA PEM2         Area         0.001751 ACRE         DELINEATE         39.722917         -121.778104           DSW56         CALIFORNIA PEM2         Area         0.001771 ACRE         DELINEATE         39.722798         -121.77823           DSW57         CALIFORNIA PEM2         Area         0.138436 ACRE         DELINEATE         39.722696         -121.784571           DSW58         CALIFORNIA PEM2         Area         0.002699 ACRE         DELINEATE         39.722682         -121.787087           DSW59         CALIFORNIA PEM2         Area         0.139983 ACRE         DELINEATE         39.722499         -121.786913           DSW60         CALIFORNIA PEM2         Area         0.017099 ACRE         DELINEATE									
DSW52         CALIFORNIA PEM2         Area         0.001337 ACRE         DELINEATE         39.722962         -121.778086           DSW53         CALIFORNIA PEM2         Area         0.023932 ACRE         DELINEATE         39.722965         -121.783208           DSW54         CALIFORNIA PEM2         Area         0.00623 ACRE         DELINEATE         39.722935         -121.783607           DSW55         CALIFORNIA PEM2         Area         0.001751 ACRE         DELINEATE         39.722973         -121.778104           DSW56         CALIFORNIA PEM2         Area         0.001171 ACRE         DELINEATE         39.722981         -121.77823           DSW57         CALIFORNIA PEM2         Area         0.138436 ACRE         DELINEATE         39.722662         -121.784571           DSW58         CALIFORNIA PEM2         Area         0.001277 ACRE         DELINEATE         39.722682         -121.784571           DSW59         CALIFORNIA PEM2         Area         0.002699 ACRE         DELINEATE         39.722682         -121.786973           DSW60         CALIFORNIA PEM2         Area         0.139983 ACRE         DELINEATE         39.722499         -121.786913           DSW61         CALIFORNIA PEM2         Area         0.017099 ACRE         DELINEATE									
DSW53         CALIFORNIA PEM2         Area         0.023932 ACRE DELINEATE         39.722965         -121.783208           DSW54         CALIFORNIA PEM2         Area         0.00623 ACRE DELINEATE         39.722935         -121.783607           DSW55         CALIFORNIA PEM2         Area         0.001751 ACRE DELINEATE         39.722917         -121.778104           DSW56         CALIFORNIA PEM2         Area         0.001171 ACRE DELINEATE         39.722798         -121.77823           DSW57         CALIFORNIA PEM2         Area         0.138436 ACRE DELINEATE         39.722696         -121.784571           DSW58         CALIFORNIA PEM2         Area         0.01277 ACRE DELINEATE         39.722682         -121.784571           DSW59         CALIFORNIA PEM2         Area         0.002699 ACRE DELINEATE         39.722682         -121.787087           DSW60         CALIFORNIA PEM2         Area         0.139983 ACRE DELINEATE         39.722579         -121.786913           DSW61         CALIFORNIA PEM2         Area         0.017099 ACRE DELINEATE         39.722467         -121.786913           DSW63         CALIFORNIA PEM2         Area         0.00248 ACRE DELINEATE         39.722467         -121.781424           DSW64         CALIFORNIA PEM2         Area         0.001294									
DSW55         CALIFORNIA PEM2         Area         0.001751 ACRE         DELINEATE         39.722917         -121.778104           DSW56         CALIFORNIA PEM2         Area         0.001171 ACRE         DELINEATE         39.722798         -121.77823           DSW57         CALIFORNIA PEM2         Area         0.138436 ACRE         DELINEATE         39.722696         -121.784571           DSW58         CALIFORNIA PEM2         Area         0.001277 ACRE         DELINEATE         39.722682         -121.782405           DSW59         CALIFORNIA PEM2         Area         0.002699 ACRE         DELINEATE         39.722682         -121.787087           DSW60         CALIFORNIA PEM2         Area         0.139983 ACRE         DELINEATE         39.722579         -121.786913           DSW62         CALIFORNIA PEM2         Area         0.017099 ACRE         DELINEATE         39.722499         -121.785336           DSW63         CALIFORNIA PEM2         Area         0.00248 ACRE         DELINEATE         39.722407         -121.781424           DSW64         CALIFORNIA PEM2         Area         0.011297 ACRE         DELINEATE         39.722105         -121.783613           DSW65         CALIFORNIA PEM2         Area         0.004521 ACRE         DELINEATE	DSW53	CALIFORNIA	PEM2	Area					
DSW56         CALIFORNIA PEM2         Area         0.001171 ACRE         DELINEATE         39.722798         -121.77823           DSW57         CALIFORNIA PEM2         Area         0.138436 ACRE         DELINEATE         39.722696         -121.784571           DSW58         CALIFORNIA PEM2         Area         0.001277 ACRE         DELINEATE         39.722682         -121.782405           DSW59         CALIFORNIA PEM2         Area         0.002699 ACRE         DELINEATE         39.722682         -121.787087           DSW60         CALIFORNIA PEM2         Area         0.139983 ACRE         DELINEATE         39.722579         -121.786913           DSW62         CALIFORNIA PEM2         Area         0.017099 ACRE         DELINEATE         39.722499         -121.786913           DSW63         CALIFORNIA PEM2         Area         0.001284 ACRE         DELINEATE         39.722499         -121.781424           DSW64         CALIFORNIA PEM2         Area         0.011297 ACRE         DELINEATE         39.722407         -121.784401           DSW65         CALIFORNIA PEM2         Area         0.004521 ACRE         DELINEATE         39.722105         -121.783613           DSW67         CALIFORNIA PEM2         Area         0.041677 ACRE         DELINEATE	DSW54	CALIFORNIA	PEM2	Area	0.00623	ACRE	DELINEATE	39.722935	-121.783607
DSW57         CALIFORNIA PEM2         Area         0.138436 ACRE         DELINEATE         39.722696         -121.784571           DSW58         CALIFORNIA PEM2         Area         0.001277 ACRE         DELINEATE         39.722682         -121.782405           DSW59         CALIFORNIA PEM2         Area         0.002699 ACRE         DELINEATE         39.722682         -121.787087           DSW60         CALIFORNIA PEM2         Area         0.139983 ACRE         DELINEATE         39.722579         -121.786913           DSW62         CALIFORNIA PEM2         Area         0.017099 ACRE         DELINEATE         39.722499         -121.785336           DSW63         CALIFORNIA PEM2         Area         0.00248 ACRE         DELINEATE         39.722467         -121.781424           DSW64         CALIFORNIA PEM2         Area         0.011297 ACRE         DELINEATE         39.722346         -121.784401           DSW65         CALIFORNIA PEM2         Area         0.004521 ACRE         DELINEATE         39.722105         -121.783613           DSW67         CALIFORNIA PEM2         Area         0.041677 ACRE         DELINEATE         39.72192         -121.783724           DSW68         CALIFORNIA PEM2         Area         0.007322 ACRE         DELINEATE	DSW55	CALIFORNIA	PEM2	Area	0.001751	ACRE	DELINEATE	39.722917	-121.778104
DSW58         CALIFORNIA PEM2         Area         0.001277 ACRE         DELINEATE         39.722682         -121.782405           DSW59         CALIFORNIA PEM2         Area         0.002699 ACRE         DELINEATE         39.722682         -121.787087           DSW60         CALIFORNIA PEM2         Area         0.139983 ACRE         DELINEATE         39.722579         -121.786913           DSW62         CALIFORNIA PEM2         Area         0.017099 ACRE         DELINEATE         39.722499         -121.785336           DSW63         CALIFORNIA PEM2         Area         0.00248 ACRE         DELINEATE         39.722467         -121.781424           DSW64         CALIFORNIA PEM2         Area         0.011297 ACRE         DELINEATE         39.722346         -121.784401           DSW65         CALIFORNIA PEM2         Area         0.004521 ACRE         DELINEATE         39.722105         -121.783613           DSW66         CALIFORNIA PEM2         Area         0.041677 ACRE         DELINEATE         39.721902         -121.783724           DSW67         CALIFORNIA PEM2         Area         0.007322 ACRE         DELINEATE         39.721876         -121.789417           DSW69         CALIFORNIA PEM2         Area         0.0017717 ACRE         DELINEATE									
DSW59         CALIFORNIA PEM2         Area         0.002699 ACRE         DELINEATE         39.722682         -121.787087           DSW60         CALIFORNIA PEM2         Area         0.139983 ACRE         DELINEATE         39.722579         -121.786913           DSW62         CALIFORNIA PEM2         Area         0.017099 ACRE         DELINEATE         39.722499         -121.785336           DSW63         CALIFORNIA PEM2         Area         0.00248 ACRE         DELINEATE         39.722467         -121.781424           DSW64         CALIFORNIA PEM2         Area         0.011297 ACRE         DELINEATE         39.722346         -121.784401           DSW65         CALIFORNIA PEM2         Area         0.004521 ACRE         DELINEATE         39.722105         -121.783613           DSW66         CALIFORNIA PEM2         Area         0.041677 ACRE         DELINEATE         39.721902         -121.783724           DSW67         CALIFORNIA PEM2         Area         0.007322 ACRE         DELINEATE         39.721876         -121.789417           DSW69         CALIFORNIA PEM2         Area         0.017717 ACRE         DELINEATE         39.72178         -121.78809           DSW70         CALIFORNIA PEM2         Area         0.001284 ACRE         DELINEATE									
DSW60         CALIFORNIA PEM2         Area         0.139983 ACRE         DELINEATE         39.722579         -121.786913           DSW62         CALIFORNIA PEM2         Area         0.017099 ACRE         DELINEATE         39.722499         -121.785336           DSW63         CALIFORNIA PEM2         Area         0.00248 ACRE         DELINEATE         39.722467         -121.781424           DSW64         CALIFORNIA PEM2         Area         0.011297 ACRE         DELINEATE         39.722346         -121.784401           DSW65         CALIFORNIA PEM2         Area         0.004521 ACRE         DELINEATE         39.722105         -121.783613           DSW66         CALIFORNIA PEM2         Area         0.041677 ACRE         DELINEATE         39.721705         -121.783724           DSW67         CALIFORNIA PEM2         Area         0.007322 ACRE         DELINEATE         39.721876         -121.789417           DSW69         CALIFORNIA PEM2         Area         0.0017717 ACRE         DELINEATE         39.72178         -121.78809           DSW70         CALIFORNIA PEM2         Area         0.001284 ACRE         DELINEATE         39.72173         -121.789974									
DSW62         CALIFORNIA PEM2         Area         0.017099 ACRE         DELINEATE         39.722499         -121.785336           DSW63         CALIFORNIA PEM2         Area         0.00248 ACRE         DELINEATE         39.722467         -121.781424           DSW64         CALIFORNIA PEM2         Area         0.011297 ACRE         DELINEATE         39.722346         -121.784401           DSW65         CALIFORNIA PEM2         Area         0.004521 ACRE         DELINEATE         39.722105         -121.783613           DSW66         CALIFORNIA PEM2         Area         0.041677 ACRE         DELINEATE         39.721992         -121.783724           DSW67         CALIFORNIA PEM2         Area         0.007322 ACRE         DELINEATE         39.721876         -121.789417           DSW68         CALIFORNIA PEM2         Area         0.008309 ACRE         DELINEATE         39.72176         -121.791359           DSW70         CALIFORNIA PEM2         Area         0.017717 ACRE         DELINEATE         39.721778         -121.78809           DSW70         CALIFORNIA PEM2         Area         0.001284 ACRE         DELINEATE         39.72173         -121.789974									
DSW63         CALIFORNIA PEM2         Area         0.00248 ACRE         DELINEATE         39.722467         -121.781424           DSW64         CALIFORNIA PEM2         Area         0.011297 ACRE         DELINEATE         39.722346         -121.784401           DSW65         CALIFORNIA PEM2         Area         0.004521 ACRE         DELINEATE         39.722105         -121.783613           DSW66         CALIFORNIA PEM2         Area         0.041677 ACRE         DELINEATE         39.721992         -121.783724           DSW67         CALIFORNIA PEM2         Area         0.007322 ACRE         DELINEATE         39.721876         -121.789417           DSW68         CALIFORNIA PEM2         Area         0.008309 ACRE         DELINEATE         39.72178         -121.791359           DSW70         CALIFORNIA PEM2         Area         0.017717 ACRE         DELINEATE         39.72178         -121.78809           DSW70         CALIFORNIA PEM2         Area         0.001284 ACRE         DELINEATE         39.72173         -121.789974									
DSW64         CALIFORNIA PEM2         Area         0.011297 ACRE         DELINEATE         39.722346         -121.784401           DSW65         CALIFORNIA PEM2         Area         0.004521 ACRE         DELINEATE         39.722105         -121.783613           DSW66         CALIFORNIA PEM2         Area         0.041677 ACRE         DELINEATE         39.721992         -121.783724           DSW67         CALIFORNIA PEM2         Area         0.007322 ACRE         DELINEATE         39.721876         -121.789417           DSW68         CALIFORNIA PEM2         Area         0.008309 ACRE         DELINEATE         39.72178         -121.791359           DSW70         CALIFORNIA PEM2         Area         0.0017717 ACRE         DELINEATE         39.72178         -121.78809           DSW70         CALIFORNIA PEM2         Area         0.001284 ACRE         DELINEATE         39.72173         -121.789974									
DSW65         CALIFORNIA PEM2         Area         0.004521 ACRE         DELINEATE         39.722105         -121.783613           DSW66         CALIFORNIA PEM2         Area         0.041677 ACRE         DELINEATE         39.721992         -121.783724           DSW67         CALIFORNIA PEM2         Area         0.007322 ACRE         DELINEATE         39.721876         -121.789417           DSW68         CALIFORNIA PEM2         Area         0.008309 ACRE         DELINEATE         39.721876         -121.791359           DSW69         CALIFORNIA PEM2         Area         0.017717 ACRE         DELINEATE         39.721778         -121.78809           DSW70         CALIFORNIA PEM2         Area         0.001284 ACRE         DELINEATE         39.72173         -121.789974									
DSW66         CALIFORNIA PEM2         Area         0.041677 ACRE DELINEATE         39.721992         -121.783724           DSW67         CALIFORNIA PEM2         Area         0.007322 ACRE DELINEATE         39.721876         -121.789417           DSW68         CALIFORNIA PEM2         Area         0.008309 ACRE DELINEATE         39.721876         -121.791359           DSW69         CALIFORNIA PEM2         Area         0.017717 ACRE DELINEATE         39.721778         -121.78809           DSW70         CALIFORNIA PEM2         Area         0.001284 ACRE DELINEATE         39.72173         -121.789974									
DSW67         CALIFORNIA PEM2         Area         0.007322 ACRE         DELINEATE         39.721876         -121.789417           DSW68         CALIFORNIA PEM2         Area         0.008309 ACRE         DELINEATE         39.721876         -121.791359           DSW69         CALIFORNIA PEM2         Area         0.017717 ACRE         DELINEATE         39.721778         -121.78809           DSW70         CALIFORNIA PEM2         Area         0.001284 ACRE         DELINEATE         39.72173         -121.789974									
DSW68 CALIFORNIA PEM2 Area 0.008309 ACRE DELINEATE 39.721876 -121.791359 DSW69 CALIFORNIA PEM2 Area 0.017717 ACRE DELINEATE 39.721778 -121.78809 DSW70 CALIFORNIA PEM2 Area 0.001284 ACRE DELINEATE 39.72173 -121.789974									
DSW69 CALIFORNIA PEM2 Area 0.017717 ACRE DELINEATE 39.721778 -121.78809 DSW70 CALIFORNIA PEM2 Area 0.001284 ACRE DELINEATE 39.72173 -121.789974									
	DSW69	CALIFORNIA	PEM2	Area	0.017717	ACRE	DELINEATE	39.721778	-121.78809
DSW71 CALIFORNIA PEM2 Area 0.001206 ACRE DELINEATE 39.721718 -121.78375									
	DSW71	CALIFORNIA	PEM2	Area	0.001206	ACRE	DELINEATE	39.721718	-121.78375

Waters_Name	State	Cowardin_Code HGM_Code	Meas_Type	Amount	Units	Waters_Type	Latitude	Longitude Local_Waterway
DSW72	CALIFORNIA	PEM2	Area	0.026697	ACRE	DELINEATE	39.721667	-121.789495
DSW73	CALIFORNIA		Area			DELINEATE		-121.781637
DSW74	CALIFORNIA		Area			DELINEATE		-121.786967
DSW75	CALIFORNIA		Area			DELINEATE		-121.785126
DSW76	CALIFORNIA		Area			DELINEATE		-121.791348
DSW77	CALIFORNIA		Area			DELINEATE		-121.781589
DSW78	CALIFORNIA		Area			DELINEATE		-121.782004
DSW79	CALIFORNIA		Area			DELINEATE		-121.781936
DSW80 DSW81	CALIFORNIA		Area			DELINEATE		-121.781436
	CALIFORNIA CALIFORNIA		Area			DELINEATE		-121.784467
DSW82 DSW84	CALIFORNIA		Area Area			DELINEATE DELINEATE		-121.781238 121.770120
DSW85	CALIFORNIA		Area			DELINEATE		-121.779129 -121.778959
DSW86	CALIFORNIA		Area			DELINEATE		-121.782131
DSW87	CALIFORNIA		Area			DELINEATE		-121.791481
DSW88	CALIFORNIA		Area			DELINEATE		-121.782478
DSW89	CALIFORNIA		Area			DELINEATE		-121.787691
DSW90	CALIFORNIA		Area			DELINEATE		-121.785192
DSW91	CALIFORNIA		Area			DELINEATE		-121.782403
DSW92	CALIFORNIA		Area			DELINEATE		-121.782072
DSW93	CALIFORNIA		Area			DELINEATE		-121.779389
DSW94	CALIFORNIA		Area			DELINEATE		-121.782588
DSW95	CALIFORNIA		Area			DELINEATE		-121.784229
DSW96	CALIFORNIA		Area			DELINEATE	39.720581	-121.78293
DSW97	CALIFORNIA		Area			DELINEATE		-121.782419
DSW98	CALIFORNIA		Area			DELINEATE		-121.784574
DSW99	CALIFORNIA		Area			DELINEATE		-121.778161
DSW100	CALIFORNIA		Area			DELINEATE		-121.781209
DSW101	CALIFORNIA		Area			DELINEATE		-121.783559
DSW102	CALIFORNIA		Area			DELINEATE		-121.784723
DSW103	CALIFORNIA		Area			DELINEATE		-121.778086
DSW104	CALIFORNIA		Area			DELINEATE		-121.777985
DSW105	CALIFORNIA		Area			DELINEATE		-121.782367
DSW106	CALIFORNIA		Area	0.002001	ACRE	DELINEATE		-121.782304
DSW107	CALIFORNIA	PEM2	Area	0.009875	ACRE	DELINEATE	39.719869	-121.785009
DSW108	CALIFORNIA	PEM2	Area	0.002945	ACRE	DELINEATE	39.71987	-121.786408
DSW109	CALIFORNIA	PEM2	Area	0.000468	ACRE	DELINEATE	39.719742	-121.778172
DSW110	CALIFORNIA	PEM2	Area	0.001826	ACRE	DELINEATE	39.719702	-121.779678
DSW111	CALIFORNIA	PEM2	Area	0.001834	ACRE	DELINEATE	39.719703	-121.782141
DSW112	CALIFORNIA		Area	0.002418	ACRE	DELINEATE	39.719658	-121.781965
DSW113	CALIFORNIA	PEM2	Area	0.011176	ACRE	DELINEATE		-121.783319
DSW114	CALIFORNIA	PEM2	Area			DELINEATE		-121.779395
DSW115	CALIFORNIA		Area			DELINEATE		-121.782616
DSW116	CALIFORNIA		Area			DELINEATE		-121.782107
DSW117	CALIFORNIA		Area			DELINEATE		-121.782324
DSW118	CALIFORNIA		Area			DELINEATE		-121.782524
DSW119	CALIFORNIA		Area			DELINEATE		-121.782579
DSW120	CALIFORNIA		Area			DELINEATE		-121.778242
DSW121	CALIFORNIA		Area			DELINEATE		-121.782401
DSW122	CALIFORNIA		Area			DELINEATE	39.719244	-121.78536
DSW123	CALIFORNIA		Area			DELINEATE		-121.786926
DSW124	CALIFORNIA		Area			DELINEATE		-121.785687 121.78462
DSW125	CALIFORNIA		Area Area			DELINEATE	39.719029	-121.78462 121.770750
DSW126 DSW127	CALIFORNIA CALIFORNIA		Area Area			DELINEATE DELINEATE		-121.779759 -121.778668
DSW127 DSW128	CALIFORNIA		Area			DELINEATE		-121.786213
DSW128 DSW129	CALIFORNIA		Area			DELINEATE		-121.778698
DSW129 DSW130	CALIFORNIA		Area			DELINEATE	39.718696	-121.77099
DSW131	CALIFORNIA		Area			DELINEATE		-121.783826
DSW132	CALIFORNIA		Area			DELINEATE		-121.786984
DSW133	CALIFORNIA		Area			DELINEATE		-121.783252
DSW134	CALIFORNIA		Area			DELINEATE		-121.782831
DSW135	CALIFORNIA		Area			DELINEATE		-121.783948
DSW136	CALIFORNIA		Area			DELINEATE	39.718391	-121.78262
DSW137	CALIFORNIA		Area			DELINEATE		-121.779567
DSW138	CALIFORNIA		Area			DELINEATE		-121.783121
DSW139	CALIFORNIA		Area			DELINEATE		-121.787037
DSW140	CALIFORNIA		Area			DELINEATE		-121.783664
DSW141	CALIFORNIA		Area			DELINEATE		-121.784807
DSW142	CALIFORNIA		Area			DELINEATE		-121.786554
DSW143	CALIFORNIA		Area			DELINEATE		-121.786971
DSW144	CALIFORNIA		Area			DELINEATE	39.717693	-121.78336
DSW145	CALIFORNIA		Area			DELINEATE		-121.785421
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Waters_Name DSW147	State CALIFORNIA	Cowardin_Code HGM_Code	_		Units	Waters_Type DELINEATE		Longitude Local_Waterway -121.779061
DSW147	CALIFORNIA		Area Area			DELINEATE		-121.784744
DSW149	CALIFORNIA		Area			DELINEATE		-121.786826
DSW151	CALIFORNIA		Area			DELINEATE		-121.785058
DSW152	CALIFORNIA	PEM2	Area	0.001949	ACRE	DELINEATE	39.717278	-121.783324
DSW153	CALIFORNIA	PEM2	Area	0.006933	ACRE	DELINEATE	39.717276	-121.787027
DSW154	CALIFORNIA		Area			DELINEATE		-121.783234
DSW155	CALIFORNIA		Area			DELINEATE		-121.783439
DSW156	CALIFORNIA		Area			DELINEATE		-121.783488 -121.783377
DSW157 DSW158	CALIFORNIA CALIFORNIA		Area Area			DELINEATE DELINEATE		-121.781711
DSW159	CALIFORNIA		Area			DELINEATE		-121.784448
DSW160	CALIFORNIA		Area			DELINEATE		-121.783299
DSW161	CALIFORNIA		Area			DELINEATE		-121.783249
DSW162	CALIFORNIA	PEM2	Area	0.000558	ACRE	DELINEATE	39.71566	-121.784997
DSW163	CALIFORNIA	PEM2	Area			DELINEATE		-121.785402
DSW164	CALIFORNIA		Area			DELINEATE		-121.786955
DSW165	CALIFORNIA		Area			DELINEATE		-121.784762
DSW166	CALIFORNIA		Area			DELINEATE		-121.786677
DSW167	CALIFORNIA		Area			DELINEATE DELINEATE		-121.786775 121.780007
DSW168 DSW169	CALIFORNIA CALIFORNIA		Area Area			DELINEATE		-121.780907 -121.781244
DSW109	CALIFORNIA		Area			DELINEATE		-121.785825
DSW171	CALIFORNIA		Area			DELINEATE		-121.786412
DSW172	CALIFORNIA		Area			DELINEATE		-121.786974
DSW173	CALIFORNIA		Area			DELINEATE		-121.780706
DSW174	CALIFORNIA	PEM2	Area	0.033357	ACRE	DELINEATE	39.714223	-121.783226
DSW175	CALIFORNIA	PEM2	Area	0.000916	ACRE	DELINEATE	39.714211	-121.785403
DSW176	CALIFORNIA	PEM2	Area	0.011435	ACRE	DELINEATE	39.714151	-121.784025
DSW177	CALIFORNIA		Area			DELINEATE	39.714147	
DSW178	CALIFORNIA		Area			DELINEATE		-121.783992
DSW179	CALIFORNIA		Area			DELINEATE		-121.784654
DSW180	CALIFORNIA		Area			DELINEATE		-121.784857
DSW181	CALIFORNIA		Area			DELINEATE DELINEATE		-121.786611 -121.783564
DSW182 DSW183	CALIFORNIA CALIFORNIA		Area Area			DELINEATE		-121.786226
DSW184	CALIFORNIA		Area			DELINEATE		-121.783316
DSW185	CALIFORNIA		Area			DELINEATE		-121.782795
DSW186	CALIFORNIA		Area			DELINEATE		-121.783301
DSW187	CALIFORNIA	PEM2	Area	0.011658	ACRE	DELINEATE	39.713776	-121.786154
DSW188	CALIFORNIA	PEM2	Area	0.029753	ACRE	DELINEATE	39.713705	-121.78211
DSW189	CALIFORNIA		Area			DELINEATE	39.713698	-121.78464
DSW190	CALIFORNIA		Area			DELINEATE		-121.783302
DSW191	CALIFORNIA		Area			DELINEATE		-121.783885
DSW192	CALIFORNIA		Area			DELINEATE		-121.785311
DSW193 DSW194	CALIFORNIA CALIFORNIA		Area Area			DELINEATE DELINEATE		-121.782134 -121.783823
DSW194	CALIFORNIA		Area			DELINEATE		-121.784094
DSW196	CALIFORNIA		Area			DELINEATE		-121.784253
DSW482	CALIFORNIA		Area			DELINEATE		-121.778383
DSW520	CALIFORNIA		Area			DELINEATE		-121.792251
DSW521	CALIFORNIA	PEM2	Area	0.004008	ACRE	DELINEATE	39.72587	-121.787997
DSW522	CALIFORNIA	PEM2	Area	0.02843	ACRE	DELINEATE	39.725743	-121.787917
DSW523	CALIFORNIA		Area			DELINEATE		-121.788491
DSW524	CALIFORNIA		Area			DELINEATE		-121.782594
DSW525	CALIFORNIA		Area			DELINEATE		-121.783092
DSW526	CALIFORNIA		Area			DELINEATE		-121.784622 121.784454
DSW527 DSW528	CALIFORNIA CALIFORNIA		Area Area			DELINEATE DELINEATE		-121.784454 -121.788385
DSW528 DSW529	CALIFORNIA		Area			DELINEATE		-121.782921
DSW530	CALIFORNIA		Area			DELINEATE		-121.789917
DSW531	CALIFORNIA		Area			DELINEATE		-121.788881
DSW532	CALIFORNIA		Area			DELINEATE	39.724307	
DSW533	CALIFORNIA		Area			DELINEATE		-121.785056
DSW534	CALIFORNIA	PEM2	Area			DELINEATE	39.723375	-121.779022
DSW535	CALIFORNIA		Area			DELINEATE		-121.788685
DSW536	CALIFORNIA		Area			DELINEATE		-121.789566
DSW537	CALIFORNIA		Area			DELINEATE		-121.788405
DSW538	CALIFORNIA		Area			DELINEATE		-121.788571 121.700402
DSW539	CALIFORNIA		Area			DELINEATE		-121.790493 121.780627
DSW540 DSW541	CALIFORNIA CALIFORNIA		Area Area			DELINEATE DELINEATE		-121.780627 -121.789072
DSW542	CALIFORNIA		Area			DELINEATE		-121.781348
	273177			3.3000 10			35 <b>LL</b> 0	

Waters Name	State	Cowardin Code HGM Code	Meas Type	Amount	Units	Waters_Type	Latitude	Longitude	Local Waterway
DSW543	CALIFORNIA		Area			DELINEATE		-121.788501	
DSW544	CALIFORNIA		Area			DELINEATE		-121.789518	
DSW545	CALIFORNIA	PEM2	Area	0.005005	ACRE	DELINEATE		-121.789895	
DSW546	CALIFORNIA	PEM2	Area	0.005199	<b>ACRE</b>	DELINEATE	39.722081	-121.788574	
DSW548	CALIFORNIA	PEM2	Area	0.037639	ACRE	DELINEATE	39.721626	-121.780646	
DSW549	CALIFORNIA	PEM2	Area	0.009392	ACRE	DELINEATE	39.721581	-121.78893	
DSW550	CALIFORNIA	PEM2	Area	0.010262	ACRE	DELINEATE	39.721335	-121.790305	
DSW551	CALIFORNIA	PEM2	Area	0.013065	ACRE	DELINEATE	39.72128	-121.7893	
DSW552	CALIFORNIA	PEM2	Area			DELINEATE		-121.790491	
DSW553	CALIFORNIA		Area			DELINEATE		-121.790025	
DSW554	CALIFORNIA		Area			DELINEATE		-121.790569	
DSW555	CALIFORNIA		Area			DELINEATE		-121.786916	
DSW556	CALIFORNIA		Area			DELINEATE		-121.786982	
DSW558	CALIFORNIA		Area			DELINEATE		-121.781278	
DSW559	CALIFORNIA		Area			DELINEATE		-121.781969	
DSW560 DSW561	CALIFORNIA CALIFORNIA		Area			DELINEATE DELINEATE		-121.778921 -121.781537	
DSW562	CALIFORNIA		Area Area			DELINEATE	39.718754		
DSW563	CALIFORNIA		Area			DELINEATE		-121.786805	
DSW565	CALIFORNIA		Area			DELINEATE		-121.786441	
DSW566	CALIFORNIA		Area			DELINEATE		-121.785504	
DSW567	CALIFORNIA		Area			DELINEATE		-121.786593	
DSW568	CALIFORNIA		Area			DELINEATE		-121.784187	
DSW570	CALIFORNIA		Area			DELINEATE		-121.786674	
DSW571	CALIFORNIA		Area			DELINEATE		-121.786687	
DSW572	CALIFORNIA		Area			DELINEATE		-121.780952	
DSW573	CALIFORNIA	PEM2	Area	0.007344	<b>ACRE</b>	DELINEATE	39.716367	-121.786666	
DSW574	CALIFORNIA	PEM2	Area	0.011039	<b>ACRE</b>	DELINEATE	39.716327	-121.784067	
DSW575	CALIFORNIA	PEM2	Area	0.023763	ACRE	DELINEATE	39.716141	-121.786573	
DSW576	CALIFORNIA	PEM2	Area	0.002419	ACRE	DELINEATE	39.716036	-121.784072	
DSW577	CALIFORNIA		Area			DELINEATE	39.715929	-121.78037	
DSW578	CALIFORNIA		Area			DELINEATE		-121.780856	
DSW579	CALIFORNIA		Area			DELINEATE		-121.782164	
DSW580	CALIFORNIA		Area			DELINEATE		-121.782778	
DSW581	CALIFORNIA		Area			DELINEATE		-121.784017	
DSW582	CALIFORNIA		Area			DELINEATE		-121.784537	
DSW583	CALIFORNIA		Area			DELINEATE		-121.784243	
DSW607 DSW608	CALIFORNIA CALIFORNIA		Area Area			DELINEATE DELINEATE		-121.790959 -121.790872	
DSW609	CALIFORNIA		Area			DELINEATE		-121.790072	
DSW610	CALIFORNIA		Area			DELINEATE		-121.790184	
DSW611	CALIFORNIA		Area			DELINEATE		-121.789349	
DSW612	CALIFORNIA		Area			DELINEATE		-121.788886	
DSW613	CALIFORNIA		Area			DELINEATE		-121.788547	
DSW614	CALIFORNIA		Area			DELINEATE		-121.783881	
DSW615	CALIFORNIA	PEM2	Area	0.000292	<b>ACRE</b>	DELINEATE	39.721982	-121.782677	
DSW616	CALIFORNIA	PEM2	Area	0.009248	ACRE	DELINEATE	39.714977	-121.781167	
DSW617	CALIFORNIA	PEM2	Area	0.009467	ACRE	DELINEATE		-121.780809	
DSW618	CALIFORNIA	PEM2	Area	0.002593	ACRE	DELINEATE	39.723311	-121.780673	
DSW619	CALIFORNIA		Area			DELINEATE		-121.780658	
DSW620	CALIFORNIA		Area			DELINEATE		-121.780023	
DSW621	CALIFORNIA		Area			DELINEATE	39.717901	-121.78001	
ED493	CALIFORNIA		Area			DELINEATE		-121.778555	
ED494	CALIFORNIA		Area			DELINEATE		-121.779799	
EP503	CALIFORNIA		Area			DELINEATE		-121.787727	
EP505 EP506	CALIFORNIA		Area			DELINEATE DELINEATE		-121.788985 -121.789855	
EP507	CALIFORNIA CALIFORNIA		Area Area			DELINEATE		-121.787689	
EP508	CALIFORNIA		Area			DELINEATE		-121.790727	
EP510	CALIFORNIA		Area			DELINEATE		-121.787701	
EP512	CALIFORNIA		Area			DELINEATE		-121.788983	
EP513	CALIFORNIA		Area			DELINEATE		-121.789843	
EP514	CALIFORNIA		Area			DELINEATE	39.721883	-121.789	
EP515	CALIFORNIA		Area			DELINEATE		-121.790707	
EP517	CALIFORNIA		Area			DELINEATE		-121.790708	
EP518	CALIFORNIA		Area			DELINEATE		-121.788926	
EP519	CALIFORNIA		Area			DELINEATE		-121.789861	
ID495	CALIFORNIA	R4SB	Area	0.48233	ACRE	DELINEATE	39.715907	-121.780055	
PD496	CALIFORNIA	R2UB	Area	0.011853	ACRE	DELINEATE	39.722829	-121.779072	
PD497	CALIFORNIA		Area	5.106408	ACRE	DELINEATE		-121.780907	
RSW10	CALIFORNIA	PEM2	Area	0.01352	ACRE	DELINEATE	39.724779	-121.78873	
RSW477	CALIFORNIA		Area			DELINEATE		-121.783398	
RSW478	CALIFORNIA	PEM2	Area	0.015359	<b>ACRE</b>	DELINEATE	39.725302	-121.789678	

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Waters_Name RSW480	State CALIFORNIA	Cowardin_Code HGM_Code	Meas_ Area		Units	Waters_Type DELINEATE		Longitude Local_Waterway -121.782755
RSW481	CALIFORNIA		Area			DELINEATE		-121.783895
RSW483	CALIFORNIA		Area			DELINEATE		-121.786293
RSW484	CALIFORNIA		Area			DELINEATE		-121.788061
RSW485	CALIFORNIA		Area			DELINEATE		-121.790686
RSW486	CALIFORNIA	PEM2	Area	0.010561	ACRE	DELINEATE	39.717429	-121.781571
RSW487	CALIFORNIA		Area	0.186123	ACRE	DELINEATE	39.717853	-121.784088
RSW488	CALIFORNIA		Area			DELINEATE		-121.780605
RSW489	CALIFORNIA		Area			DELINEATE		-121.780075
RSW490	CALIFORNIA		Area			DELINEATE		-121.784014
RSW491	CALIFORNIA		Area			DELINEATE		-121.781835
RSW492	CALIFORNIA CALIFORNIA		Area			DELINEATE		-121.780447 -121.786996
RSW601 RSW604	CALIFORNIA		Area Area			DELINEATE DELINEATE		-121.786961
RSW605	CALIFORNIA		Area			DELINEATE		-121.786196
RSW606	CALIFORNIA		Area			DELINEATE		-121.787074
RSW630	CALIFORNIA		Area			DELINEATE		-121.791248
RSW631	CALIFORNIA		Area			DELINEATE		-121.790705
RSW632	CALIFORNIA	PEM2	Area	0.072554	ACRE	DELINEATE		-121.790336
RSW633	CALIFORNIA	PEM2	Area	0.010802	ACRE	DELINEATE	39.723283	-121.790254
RSW634	CALIFORNIA		Area	0.026293	ACRE	DELINEATE		-121.790247
RSW635	CALIFORNIA		Area			DELINEATE		-121.789845
RSW636	CALIFORNIA		Area			DELINEATE	39.722829	-121.78976
RSW637	CALIFORNIA		Area			DELINEATE		-121.789744
RSW638	CALIFORNIA		Area			DELINEATE		-121.789619
RSW639	CALIFORNIA		Area			DELINEATE DELINEATE		-121.789618 -121.789586
RSW640 RSW641	CALIFORNIA CALIFORNIA		Area Area			DELINEATE		-121.789467
RSW642	CALIFORNIA		Area			DELINEATE		-121.789434
RSW643	CALIFORNIA		Area			DELINEATE		-121.789235
RSW644	CALIFORNIA		Area			DELINEATE		-121.789121
RSW645	CALIFORNIA		Area			DELINEATE		-121.789091
RSW646	CALIFORNIA	PEM2	Area	0.076075	ACRE	DELINEATE	39.7242	-121.789007
RSW647	CALIFORNIA	PEM2	Area	0.019675	ACRE	DELINEATE	39.721923	-121.788979
RSW648	CALIFORNIA		Area			DELINEATE		-121.788978
RSW649	CALIFORNIA		Area			DELINEATE		-121.788895
RSW650	CALIFORNIA		Area			DELINEATE		-121.788794
RSW651	CALIFORNIA		Area			DELINEATE		-121.788751 121.788755
RSW652 RSW653	CALIFORNIA CALIFORNIA		Area Area			DELINEATE DELINEATE		-121.788735 -121.788296
RSW654	CALIFORNIA		Area			DELINEATE		-121.788207
RSW655	CALIFORNIA		Area			DELINEATE		-121.787982
RSW656	CALIFORNIA		Area			DELINEATE		-121.787977
RSW657	CALIFORNIA		Area			DELINEATE		-121.787974
RSW658	CALIFORNIA	PEM2	Area	0.014331	ACRE	DELINEATE	39.717709	-121.786714
RSW659	CALIFORNIA	PEM2	Area	0.009047	ACRE	DELINEATE	39.719462	-121.786709
RSW660	CALIFORNIA		Area			DELINEATE		-121.786705
RSW661	CALIFORNIA		Area			DELINEATE		-121.786688
RSW662	CALIFORNIA		Area			DELINEATE		-121.786675
RSW663	CALIFORNIA		Area			DELINEATE		-121.786637
RSW664 RSW665	CALIFORNIA CALIFORNIA		Area Area			DELINEATE DELINEATE		-121.786634 -121.786575
RSW666	CALIFORNIA		Area			DELINEATE		-121.786512
RSW667	CALIFORNIA		Area			DELINEATE		-121.786489
RSW668	CALIFORNIA		Area			DELINEATE		-121.786306
RSW669	CALIFORNIA	PEM2	Area			DELINEATE		-121.786304
RSW670	CALIFORNIA	PEM2	Area	0.014647	ACRE	DELINEATE	39.720598	-121.786252
RSW671	CALIFORNIA	PEM2	Area			DELINEATE	39.725319	-121.786221
RSW672	CALIFORNIA		Area			DELINEATE		-121.786118
RSW673	CALIFORNIA		Area			DELINEATE	39.719472	
RSW674	CALIFORNIA		Area			DELINEATE		-121.785847
RSW675	CALIFORNIA		Area			DELINEATE		-121.785818
RSW676	CALIFORNIA		Area			DELINEATE		-121.785812 121.785747
RSW677 RSW678	CALIFORNIA CALIFORNIA		Area Area			DELINEATE DELINEATE	39.723678	-121.785747 -121.78571
RSW679	CALIFORNIA		Area			DELINEATE		-121.785532
RSW680	CALIFORNIA		Area			DELINEATE		-121.785462
RSW681	CALIFORNIA		Area			DELINEATE		-121.785399
RSW682	CALIFORNIA		Area			DELINEATE		-121.785345
RSW683	CALIFORNIA		Area			DELINEATE		-121.785226
RSW684	CALIFORNIA		Area			DELINEATE		-121.785082
RSW685	CALIFORNIA	PEM2	Area	0.014621	ACRE	DELINEATE	39.72098	-121.785049
RSW686	CALIFORNIA	PEM2	Area	0.091937	ACRE	DELINEATE	39.72203	-121.785045

Waters Name	State	Cowardin Codo HCM Codo	Moos Type	Amount	Linito	Waters Type	Latituda	Longitudo Local Watanya
Waters_Name RSW687	State CALIFORNIA	Cowardin_Code HGM_Code	Area		Units	Waters_Type DELINEATE		Longitude Local_Waterwa -121.784858
RSW688	CALIFORNIA		Area			DELINEATE		-121.784853
RSW689	CALIFORNIA		Area			DELINEATE		-121.784788
RSW690	CALIFORNIA		Area			DELINEATE		-121.784735
RSW691	CALIFORNIA		Area			DELINEATE		-121.784702
RSW692	CALIFORNIA		Area			DELINEATE		-121.784643
RSW693	CALIFORNIA		Area	0.002979	ACRE	DELINEATE		-121.784598
RSW694	CALIFORNIA		Area			DELINEATE		-121.784482
RSW695	CALIFORNIA		Area			DELINEATE		-121.784446
RSW696	CALIFORNIA	PEM2	Area	0.00261	ACRE	DELINEATE	39.726035	-121.784367
RSW697	CALIFORNIA	PEM2	Area	0.016862	ACRE	DELINEATE	39.71713	-121.784228
RSW698	CALIFORNIA	PEM2	Area	0.01509	ACRE	DELINEATE	39.721053	-121.784099
RSW699	CALIFORNIA	PEM2	Area	0.005361	ACRE	DELINEATE	39.720402	-121.783989
RSW700	CALIFORNIA	PEM2	Area	0.164604	ACRE	DELINEATE	39.725565	-121.78397
RSW701	CALIFORNIA		Area	0.017829	ACRE	DELINEATE	39.720047	-121.7839
RSW702	CALIFORNIA	PEM2	Area			DELINEATE		-121.783776
RSW703	CALIFORNIA		Area			DELINEATE		-121.783744
RSW704	CALIFORNIA		Area			DELINEATE		-121.783512
RSW705	CALIFORNIA		Area			DELINEATE		-121.783454
RSW706	CALIFORNIA		Area			DELINEATE		-121.783232
RSW707	CALIFORNIA		Area			DELINEATE		-121.782448
RSW708	CALIFORNIA		Area			DELINEATE		-121.781543
RSW709	CALIFORNIA		Area			DELINEATE		-121.781485
RSW710	CALIFORNIA		Area			DELINEATE	39.721266	-121.7813
RSW711	CALIFORNIA		Area			DELINEATE		-121.781198
RSW712	CALIFORNIA		Area			DELINEATE		-121.781128
RSW713	CALIFORNIA		Area			DELINEATE		-121.780942
RSW714	CALIFORNIA		Area			DELINEATE		-121.780556
RSW715	CALIFORNIA		Area			DELINEATE		-121.780485
RSW716	CALIFORNIA		Area			DELINEATE		-121.780325
RSW717	CALIFORNIA		Area			DELINEATE		-121.780226
RSW718	CALIFORNIA		Area			DELINEATE		-121.779849
RSW719	CALIFORNIA		Area			DELINEATE	39.716382	-121.77957 121.770402
RSW720	CALIFORNIA		Area			DELINEATE		-121.779403 121.770207
RSW721 VP33	CALIFORNIA CALIFORNIA		Area Area			DELINEATE DELINEATE		-121.779297 -121.788951
VP39	CALIFORNIA		Area			DELINEATE		-121.786698
VP41	CALIFORNIA		Area			DELINEATE		-121.786881
VP198	CALIFORNIA		Area			DELINEATE		-121.791957
VP199	CALIFORNIA		Area			DELINEATE		-121.785423
VP200	CALIFORNIA		Area			DELINEATE		-121.784443
VP201	CALIFORNIA		Area			DELINEATE		-121.783907
VP202	CALIFORNIA		Area			DELINEATE		-121.791425
VP203	CALIFORNIA		Area			DELINEATE		-121.784014
VP204	CALIFORNIA		Area			DELINEATE		-121.785286
VP205	CALIFORNIA		Area			DELINEATE		-121.785446
VP206	CALIFORNIA	PEM2	Area	0.022981	ACRE	DELINEATE	39.725328	-121.789545
VP207	CALIFORNIA	PEM2	Area	0.000535	ACRE	DELINEATE		-121.785514
VP208	CALIFORNIA	PEM2	Area	0.028576	ACRE	DELINEATE	39.725128	-121.782275
VP209	CALIFORNIA	PEM2	Area	0.068764	ACRE	DELINEATE	39.724963	-121.789351
VP210	CALIFORNIA	PEM2	Area	0.010397	ACRE	DELINEATE	39.724942	-121.785842
VP211	CALIFORNIA	PEM2	Area	0.010756	ACRE	DELINEATE	39.724887	-121.782579
VP212	CALIFORNIA	PEM2	Area			DELINEATE	39.724823	-121.783811
VP213	CALIFORNIA	PEM2	Area	0.002481	ACRE	DELINEATE	39.724573	-121.782099
VP215	CALIFORNIA	PEM2	Area			DELINEATE	39.724558	-121.785528
VP216	CALIFORNIA		Area			DELINEATE		-121.787049
VP217	CALIFORNIA		Area			DELINEATE		-121.783168
VP218	CALIFORNIA		Area			DELINEATE		-121.782502
VP219	CALIFORNIA		Area			DELINEATE		-121.781956
VP220	CALIFORNIA		Area			DELINEATE		-121.785563
VP221	CALIFORNIA		Area			DELINEATE		-121.781431
VP222	CALIFORNIA		Area			DELINEATE	39.724173	-121.78265
VP223	CALIFORNIA		Area			DELINEATE		-121.781376
VP224	CALIFORNIA		Area			DELINEATE		-121.789758
VP225	CALIFORNIA		Area			DELINEATE		-121.782258
VP226	CALIFORNIA		Area			DELINEATE	39.723915	-121.78211
VP227	CALIFORNIA		Area			DELINEATE		-121.782443
VP228	CALIFORNIA		Area			DELINEATE		-121.782546
VP230	CALIFORNIA		Area			DELINEATE		-121.782608
VP231	CALIFORNIA		Area			DELINEATE		-121.782538
VP232 VP233	CALIFORNIA CALIFORNIA		Area Area			DELINEATE DELINEATE	39.723508	-121.782276 -121.78246
VP233 VP234	CALIFORNIA		Area Area			DELINEATE		-121.790755
V1 207	OALII OINNA	1 LIVIZ	, 11 Ga	0.001312	AUNE	PELINEATE	33.123403	12 1.1 301 00

Waters Name	State	Cowardin Code HGM Code	Meas Type	Amount	Units	Waters_Type	Latitude	Longitude	Local Waterway
VP235	CALIFORNIA		Area			DELINEATE	39.72337	-121.78492	,
VP236	CALIFORNIA	PEM2	Area	0.029487	ACRE	DELINEATE	39.723348	-121.787882	
VP237	CALIFORNIA	PEM2	Area	0.00154	ACRE	DELINEATE	39.723257	-121.782454	
VP238	CALIFORNIA	PEM2	Area			DELINEATE		-121.779139	
VP239	CALIFORNIA		Area			DELINEATE		-121.782179	
VP240	CALIFORNIA		Area			DELINEATE		-121.787791	
VP242	CALIFORNIA		Area			DELINEATE		-121.778612	
VP243	CALIFORNIA		Area			DELINEATE		-121.778312	
VP244	CALIFORNIA		Area			DELINEATE		-121.778227	
VP245	CALIFORNIA		Area			DELINEATE		-121.778167	
VP246	CALIFORNIA		Area			DELINEATE		-121.778514	
VP247	CALIFORNIA		Area			DELINEATE		-121.778038	
VP248	CALIFORNIA		Area			DELINEATE	39.722795	-121.78826 -121.778302	
VP249 VP250	CALIFORNIA		Area			DELINEATE	39.722773		
VP250 VP251	CALIFORNIA CALIFORNIA		Area Area			DELINEATE DELINEATE		-121.78702 -121.782282	
VP252	CALIFORNIA		Area			DELINEATE		-121.779106	
VP253	CALIFORNIA		Area			DELINEATE		-121.778100	
VP254	CALIFORNIA		Area			DELINEATE		-121.781859	
VP255	CALIFORNIA		Area			DELINEATE		-121.782829	
VP256	CALIFORNIA		Area			DELINEATE		-121.790928	
VP257	CALIFORNIA		Area			DELINEATE		-121.780901	
VP258	CALIFORNIA	PEM2	Area			DELINEATE	39.72253	-121.7806	
VP259	CALIFORNIA		Area			DELINEATE		-121.780825	
VP260	CALIFORNIA		Area			DELINEATE	39.722481	-121.787044	
VP261	CALIFORNIA	PEM2	Area	0.010741	<b>ACRE</b>	DELINEATE	39.722451	-121.785887	
VP262	CALIFORNIA	PEM2	Area	0.034135	<b>ACRE</b>	DELINEATE	39.722417	-121.787208	
VP263	CALIFORNIA	PEM2	Area	0.009983	ACRE	DELINEATE	39.722403	-121.78932	
VP264	CALIFORNIA	PEM2	Area	0.020433	ACRE	DELINEATE		-121.791449	
VP265	CALIFORNIA		Area			DELINEATE		-121.782569	
VP266	CALIFORNIA		Area			DELINEATE		-121.785788	
VP267	CALIFORNIA		Area			DELINEATE		-121.780331	
VP268	CALIFORNIA		Area			DELINEATE		-121.791287	
VP269	CALIFORNIA		Area			DELINEATE		-121.781934	
VP270	CALIFORNIA		Area			DELINEATE		-121.785558	
VP271	CALIFORNIA		Area			DELINEATE		-121.786428	
VP272 VP273	CALIFORNIA		Area			DELINEATE		-121.783219	
VP273 VP274	CALIFORNIA CALIFORNIA		Area Area			DELINEATE DELINEATE		-121.785873 -121.782018	
VP275	CALIFORNIA		Area			DELINEATE		-121.782862	
VP276	CALIFORNIA		Area			DELINEATE		-121.781514	
VP277	CALIFORNIA		Area			DELINEATE		-121.778281	
VP278	CALIFORNIA		Area			DELINEATE		-121.782937	
VP279	CALIFORNIA		Area			DELINEATE		-121.783277	
VP280	CALIFORNIA		Area			DELINEATE		-121.786557	
VP281	CALIFORNIA		Area			DELINEATE		-121.782326	
VP282	CALIFORNIA	PEM2	Area	0.003709	<b>ACRE</b>	DELINEATE	39.721648	-121.782549	
VP283	CALIFORNIA	PEM2	Area	0.003091	<b>ACRE</b>	DELINEATE	39.721599	-121.78325	
VP284	CALIFORNIA	PEM2	Area	0.034909	ACRE	DELINEATE	39.721573	-121.782723	
VP285	CALIFORNIA	PEM2	Area	0.015329	ACRE	DELINEATE	39.721566	-121.786893	
VP286	CALIFORNIA	PEM2	Area	0.022818	ACRE	DELINEATE	39.721472	-121.78702	
VP287	CALIFORNIA		Area			DELINEATE		-121.781881	
VP288	CALIFORNIA		Area			DELINEATE		-121.783828	
VP289	CALIFORNIA		Area			DELINEATE		-121.79145	
VP290	CALIFORNIA		Area			DELINEATE		-121.782328	
VP291	CALIFORNIA		Area			DELINEATE		-121.788635	
VP292	CALIFORNIA		Area			DELINEATE		-121.781702	
VP293	CALIFORNIA		Area			DELINEATE		-121.778209	
VP294	CALIFORNIA		Area			DELINEATE		-121.786684	
VP295	CALIFORNIA		Area			DELINEATE		-121.782331	
VP296 VP297	CALIFORNIA CALIFORNIA		Area Area			DELINEATE DELINEATE		-121.778031 -121.786802	
VP297 VP298	CALIFORNIA		Area Area			DELINEATE		-121.780802	
VP296 VP299	CALIFORNIA		Area			DELINEATE		-121.769594	
VP300	CALIFORNIA		Area			DELINEATE		-121.776493	
VP300 VP301	CALIFORNIA		Area			DELINEATE	39.721113	-121.77885	
VP302	CALIFORNIA		Area			DELINEATE		-121.7785961	
VP303	CALIFORNIA		Area			DELINEATE		-121.782862	
VP304	CALIFORNIA		Area			DELINEATE		-121.787948	
VP305	CALIFORNIA		Area			DELINEATE		-121.791526	
VP306	CALIFORNIA		Area			DELINEATE		-121.785497	
VF300									
VP300 VP307	CALIFORNIA	PEM2	Area	0.001162	ACRE	DELINEATE	39.720693	-121.779355	

Waters Name	State	Cowardin Code HCM Code	Moos Type	Amount	Unito	Waters Type	Latituda	Longitude Long Waterway
Waters_Name VP309	State CALIFORNIA	Cowardin_Code HGM_Code	Area		Units	Waters_Type DELINEATE		Longitude Local_Waterway -121.785805
VP310	CALIFORNIA		Area			DELINEATE	39.720464	-121.77919
VP311	CALIFORNIA		Area			DELINEATE		-121.783027
VP312	CALIFORNIA		Area			DELINEATE		-121.784003
VP313	CALIFORNIA		Area			DELINEATE		-121.786933
VP314	CALIFORNIA		Area			DELINEATE		-121.780264
VP315	CALIFORNIA		Area			DELINEATE		-121.785915
VP316	CALIFORNIA		Area			DELINEATE		-121.780412
VP317	CALIFORNIA		Area			DELINEATE		-121.778096
VP318	CALIFORNIA	PEM2	Area	0.006274	ACRE	DELINEATE	39.71984	-121.779387
VP319	CALIFORNIA	PEM2	Area	0.001888	ACRE	DELINEATE	39.719831	-121.780235
VP320	CALIFORNIA	PEM2	Area	0.002438	ACRE	DELINEATE	39.71982	-121.778556
VP321	CALIFORNIA	PEM2	Area	0.001109	ACRE	DELINEATE	39.719813	-121.780438
VP322	CALIFORNIA	PEM2	Area	0.004722	ACRE	DELINEATE	39.719802	-121.778661
VP323	CALIFORNIA	PEM2	Area	0.00115	ACRE	DELINEATE	39.719778	-121.780078
VP324	CALIFORNIA	PEM2	Area			DELINEATE	39.719788	-121.7859
VP325	CALIFORNIA		Area			DELINEATE		-121.778824
VP326	CALIFORNIA		Area			DELINEATE		-121.779918
VP327	CALIFORNIA		Area			DELINEATE		-121.778371
VP328	CALIFORNIA		Area			DELINEATE		-121.783756
VP329	CALIFORNIA		Area			DELINEATE		-121.786533
VP330	CALIFORNIA		Area			DELINEATE		-121.779815
VP331	CALIFORNIA		Area			DELINEATE		-121.779758
VP332	CALIFORNIA		Area			DELINEATE		-121.779169
VP333	CALIFORNIA		Area			DELINEATE		-121.783265
VP334	CALIFORNIA		Area			DELINEATE		-121.779832
VP335	CALIFORNIA		Area			DELINEATE		-121.786024
VP336	CALIFORNIA		Area			DELINEATE		-121.780035
VP337	CALIFORNIA		Area			DELINEATE		-121.782607
VP338 VP339	CALIFORNIA		Area			DELINEATE	39.719171	-121.784263
VP340	CALIFORNIA CALIFORNIA		Area Area			DELINEATE DELINEATE		-121.77961 -121.779334
VP341	CALIFORNIA		Area			DELINEATE	39.719084	-121.77982
VP342	CALIFORNIA		Area			DELINEATE	39.719004	-121.78506
VP343	CALIFORNIA		Area			DELINEATE	39.718963	-121.77911
VP344	CALIFORNIA		Area			DELINEATE		-121.779663
VP345	CALIFORNIA		Area			DELINEATE		-121.778437
VP346	CALIFORNIA		Area			DELINEATE		-121.779369
VP347	CALIFORNIA		Area			DELINEATE		-121.778876
VP348	CALIFORNIA	PEM2	Area	0.001396	ACRE	DELINEATE	39.718836	-121.779532
VP349	CALIFORNIA	PEM2	Area	0.000963	ACRE	DELINEATE	39.718821	-121.779161
VP350	CALIFORNIA	PEM2	Area	0.001266	ACRE	DELINEATE	39.718746	-121.77943
VP351	CALIFORNIA	PEM2	Area	0.002085	ACRE	DELINEATE	39.718733	-121.778944
VP352	CALIFORNIA	PEM2	Area			DELINEATE		-121.779659
VP353	CALIFORNIA		Area			DELINEATE		-121.779346
VP354	CALIFORNIA		Area			DELINEATE		-121.779821
VP355	CALIFORNIA		Area			DELINEATE		-121.784821
VP356	CALIFORNIA		Area			DELINEATE		-121.778848
VP357	CALIFORNIA		Area			DELINEATE		-121.779078
VP358	CALIFORNIA		Area			DELINEATE		-121.782677
VP359	CALIFORNIA		Area			DELINEATE		-121.779924
VP360	CALIFORNIA		Area			DELINEATE		-121.780024
VP361	CALIFORNIA		Area			DELINEATE		-121.782725 121.782041
VP362	CALIFORNIA CALIFORNIA		Area			DELINEATE DELINEATE		-121.782941 121.77015
VP363 VP364	CALIFORNIA		Area			DELINEATE	39.71826	-121.77915 -121.779748
VP365	CALIFORNIA		Area Area			DELINEATE		-121.779748
VP366	CALIFORNIA		Area			DELINEATE		-121.779891
VP367	CALIFORNIA		Area			DELINEATE		-121.780136
VP368	CALIFORNIA		Area			DELINEATE		-121.779038
VP369	CALIFORNIA		Area			DELINEATE		-121.779115
VP370	CALIFORNIA		Area			DELINEATE		-121.779794
VP371	CALIFORNIA		Area			DELINEATE		-121.780057
VP372	CALIFORNIA		Area			DELINEATE		-121.782997
VP373	CALIFORNIA		Area			DELINEATE		-121.779582
VP374	CALIFORNIA		Area			DELINEATE		-121.778893
VP375	CALIFORNIA		Area			DELINEATE	39.718066	-121.77865
VP376	CALIFORNIA		Area			DELINEATE		-121.779162
VP377	CALIFORNIA		Area			DELINEATE		-121.778907
VP378	CALIFORNIA		Area			DELINEATE		-121.778842
VP379	CALIFORNIA		Area			DELINEATE		-121.778999
VP380	CALIFORNIA	PEM2	Area	0.009553	ACRE	DELINEATE	39.717693	-121.78281
VP381	CALIFORNIA	PEM2	Area	0.003057	ACRE	DELINEATE	39.71757	-121.785044

Waters Name	State	Cowardin Code HGM	L Codo Moss Typ	o Amount	Units	Waters Type	Latitudo	Longitude	Local Waterway
VP382	CALIFORNIA		Area			DELINEATE	39.717508	-121.7834	Local_vvalerway
VP383	CALIFORNIA		Area			DELINEATE		-121.783192	
VP384	CALIFORNIA	PEM2	Area	0.002214	ACRE	DELINEATE	39.717397	-121.783227	
VP385	CALIFORNIA	PEM2	Area	0.001623	ACRE	DELINEATE		-121.783151	
VP386	CALIFORNIA		Area			DELINEATE	39.716803	-121.78451	
VP387	CALIFORNIA		Area			DELINEATE		-121.783422	
VP388	CALIFORNIA		Area			DELINEATE		-121.784388	
VP389 VP390	CALIFORNIA CALIFORNIA		Area Area			DELINEATE DELINEATE		-121.783347 -121.779887	
VP391	CALIFORNIA		Area			DELINEATE		-121.7784487	
VP392	CALIFORNIA		Area			DELINEATE		-121.785082	
VP393	CALIFORNIA		Area			DELINEATE		-121.784599	
VP394	CALIFORNIA	PEM2	Area	0.024629	ACRE	DELINEATE	39.716048	-121.785223	
VP395	CALIFORNIA	PEM2	Area			DELINEATE	39.716035	-121.784701	
VP396	CALIFORNIA		Area			DELINEATE		-121.785154	
VP397	CALIFORNIA		Area			DELINEATE	39.715655	-121.77872	
VP398	CALIFORNIA		Area			DELINEATE		-121.784248	
VP399	CALIFORNIA		Area			DELINEATE		-121.784967	
VP400 VP401	CALIFORNIA CALIFORNIA		Area Area			DELINEATE DELINEATE		-121.784618 -121.785931	
VP402	CALIFORNIA		Area			DELINEATE		-121.783931	
VP403	CALIFORNIA		Area			DELINEATE	39.71544	-121.78349	
VP404	CALIFORNIA		Area			DELINEATE		-121.781469	
VP405	CALIFORNIA		Area			DELINEATE	39.715376	-121.78484	
VP406	CALIFORNIA		Area	0.008146	ACRE	DELINEATE	39.715181	-121.786036	
VP407	CALIFORNIA	PEM2	Area	0.025995	ACRE	DELINEATE	39.715153	-121.786293	
VP408	CALIFORNIA	PEM2	Area	0.010232	ACRE	DELINEATE	39.71513	-121.785873	
VP409	CALIFORNIA		Area			DELINEATE		-121.785301	
VP410	CALIFORNIA		Area			DELINEATE		-121.780956	
VP411	CALIFORNIA		Area			DELINEATE		-121.786599	
VP412	CALIFORNIA		Area			DELINEATE		-121.783646	
VP413 VP414	CALIFORNIA CALIFORNIA		Area			DELINEATE	39.714857	-121.7796	
VP414 VP415	CALIFORNIA		Area Area			DELINEATE DELINEATE		-121.786034 -121.784726	
VP416	CALIFORNIA		Area			DELINEATE		-121.783244	
VP417	CALIFORNIA		Area			DELINEATE		-121.785601	
VP418	CALIFORNIA		Area			DELINEATE		-121.785039	
VP419	CALIFORNIA		Area			DELINEATE		-121.786176	
VP420	CALIFORNIA	PEM2	Area	0.00845	ACRE	DELINEATE	39.714579	-121.783445	
VP421	CALIFORNIA		Area			DELINEATE		-121.784651	
VP422	CALIFORNIA		Area			DELINEATE		-121.785905	
VP423	CALIFORNIA		Area			DELINEATE	39.714553	-121.78612	
VP424	CALIFORNIA		Area			DELINEATE		-121.786852	
VP425 VP426	CALIFORNIA CALIFORNIA		Area			DELINEATE		-121.787274 -121.786648	
VP420 VP427	CALIFORNIA		Area Area			DELINEATE DELINEATE		-121.786176	
VP428	CALIFORNIA		Area			DELINEATE		-121.784155	
VP429	CALIFORNIA		Area			DELINEATE		-121.785463	
VP430	CALIFORNIA		Area			DELINEATE		-121.783673	
VP431	CALIFORNIA	PEM2	Area	0.000261	ACRE	DELINEATE		-121.786466	
VP432	CALIFORNIA	PEM2	Area	0.000468	ACRE	DELINEATE	39.714375	-121.785586	
VP433	CALIFORNIA		Area			DELINEATE		-121.786753	
VP434	CALIFORNIA		Area			DELINEATE		-121.783491	
VP435	CALIFORNIA		Area			DELINEATE		-121.785911	
VP436	CALIFORNIA		Area			DELINEATE		-121.785452	
VP437	CALIFORNIA		Area			DELINEATE		-121.785526	
VP438 VP439	CALIFORNIA CALIFORNIA		Area Area			DELINEATE DELINEATE		-121.786138 -121.786101	
VP439 VP440	CALIFORNIA		Area			DELINEATE		-121.786055	
VP441	CALIFORNIA		Area			DELINEATE		-121.784631	
VP442	CALIFORNIA		Area			DELINEATE		-121.785744	
VP443	CALIFORNIA		Area			DELINEATE		-121.786146	
VP444	CALIFORNIA		Area			DELINEATE	39.714244		
VP445	CALIFORNIA	PEM2	Area			DELINEATE		-121.785977	
VP446	CALIFORNIA		Area			DELINEATE		-121.786122	
VP447	CALIFORNIA		Area			DELINEATE		-121.785823	
VP448	CALIFORNIA		Area			DELINEATE		-121.786809	
VP449	CALIFORNIA		Area			DELINEATE		-121.786144	
VP450	CALIFORNIA		Area			DELINEATE		-121.785547	
VP451	CALIFORNIA		Area			DELINEATE		-121.786273	
VP452 VP453	CALIFORNIA CALIFORNIA		Area Area			DELINEATE DELINEATE		-121.786029 -121.784651	
VP454	CALIFORNIA		Area			DELINEATE	39.714089	-121.78494	
	2 31317		, ou	5.555171		>	55.7 1 1000	0-10-1	

Waters Name	State	Cowardin Code	HGM Code	Meas Tyne	Amount	Units	Waters Type	Latitude	Longitude	Local Waterway
VP455	CALIFORNIA	<del>_</del>	TIOW_OOGC	Area			DELINEATE		-121.786568	Local_waterway
VP456	CALIFORNIA			Area			DELINEATE		-121.786694	
VP457	CALIFORNIA			Area			DELINEATE	39.714045	-121.78432	
VP458	CALIFORNIA			Area			DELINEATE		-121.785602	
VP459	CALIFORNIA			Area			DELINEATE		-121.786489	
VP460	CALIFORNIA			Area			DELINEATE		-121.786361	
VP461	CALIFORNIA			Area			DELINEATE	39.713991	-121.78651	
VP462	CALIFORNIA						DELINEATE		-121.786067	
VP462 VP463				Area			DELINEATE			
	CALIFORNIA			Area					-121.785521	
VP464	CALIFORNIA			Area			DELINEATE	39.713901	-121.7865	
VP465	CALIFORNIA			Area			DELINEATE		-121.785263	
VP466	CALIFORNIA			Area			DELINEATE		-121.786342	
VP467	CALIFORNIA			Area			DELINEATE		-121.785992	
VP468	CALIFORNIA			Area			DELINEATE		-121.785592	
VP469	CALIFORNIA			Area			DELINEATE		-121.785902	
VP470	CALIFORNIA			Area			DELINEATE		-121.785695	
VP471	CALIFORNIA			Area			DELINEATE	39.713669	-121.78281	
VP472	CALIFORNIA			Area			DELINEATE		-121.785548	
VP473	CALIFORNIA			Area			DELINEATE		-121.782745	
VP474	CALIFORNIA			Area			DELINEATE		-121.783725	
VP475	CALIFORNIA			Area			DELINEATE		-121.783852	
VP476	CALIFORNIA			Area			DELINEATE		-121.784929	
VP509	CALIFORNIA			Area			DELINEATE		-121.789982	
VP584	CALIFORNIA			Area			DELINEATE		-121.787654	
VP585	CALIFORNIA	PEM2		Area			DELINEATE		-121.787244	
VP586	CALIFORNIA			Area			DELINEATE		-121.786601	
VP587	CALIFORNIA	PEM2		Area	0.003902	ACRE	DELINEATE	39.725063	-121.785341	
VP588	CALIFORNIA	PEM2		Area	0.001745	ACRE	DELINEATE	39.725027	-121.78807	
VP589	CALIFORNIA	PEM2		Area	0.003556	ACRE	DELINEATE	39.724762	-121.786493	
VP590	CALIFORNIA	PEM2		Area	0.010944	ACRE	DELINEATE	39.723822	-121.788084	
VP591	CALIFORNIA	PEM2		Area	0.007605	ACRE	DELINEATE	39.722341	-121.78773	
VP592	CALIFORNIA	PEM2		Area	0.008361	ACRE	DELINEATE	39.722231	-121.788221	
VP593	CALIFORNIA	PEM2		Area	0.008339	ACRE	DELINEATE	39.722065	-121.788383	
VP594	CALIFORNIA	PEM2		Area	0.003624	ACRE	DELINEATE	39.721735	-121.788546	
VP595	CALIFORNIA	PEM2		Area	0.003584	ACRE	DELINEATE	39.721335	-121.781365	
VP596	CALIFORNIA	PEM2		Area	0.005328	<b>ACRE</b>	DELINEATE	39.721208	-121.781229	
VP597	CALIFORNIA	PEM2		Area	0.001956	<b>ACRE</b>	DELINEATE	39.720595	-121.781222	
VP598	CALIFORNIA	PEM2		Area	0.004597	<b>ACRE</b>	DELINEATE	39.719768	-121.787041	
VP599	CALIFORNIA	PEM2		Area	0.002485	<b>ACRE</b>	DELINEATE	39.719444	-121.787063	
VP600	CALIFORNIA	PEM2		Area	0.016629	<b>ACRE</b>	DELINEATE	39.718011	-121.781884	
VP622	CALIFORNIA	PEM2		Area	0.009818	ACRE	DELINEATE	39.723244	-121.79033	
VP623	CALIFORNIA	PEM2		Area	0.010966	ACRE	DELINEATE	39.716674	-121.784908	
VP624	CALIFORNIA			Area			DELINEATE		-121.782071	
VP625	CALIFORNIA	PEM2		Area	0.011729	ACRE	DELINEATE	39.721695	-121.781867	
VP626	CALIFORNIA			Area			DELINEATE		-121.781268	
VP627	CALIFORNIA			Area			DELINEATE		-121.781193	
VP628	CALIFORNIA			Area			DELINEATE		-121.781172	
VP629	CALIFORNIA			Area			DELINEATE	39.722311	-121.78083	
									5550	