

PLANTING LEGEND

SYMBOL	DESIGNATION	BOTANICAL NAME/COMMON NAME	SIZE	QTY	REMARKS
TREES					
	T-1	QUERCUS WISLIZENII INTERIOR LIVE OAK	15 GAL	36	SEE DETAIL 1, SHEET LS-1.8
	T-2	QUERCUS LOBATA VALLEY OAK	15 GAL	52	SEE DETAIL 1, SHEET LS-1.8
	T-3	UMBELLULARIA CALIFORNICA CALIFORNIA LAUREL	15 GAL	35	MULTI TUNKED, UNSTAKED. SEE DETAIL 1, SHEET LS-1.8
	T-4	ARBUTUS UNEDO STRAWBERRY TREE	15 GAL	4	MULTI TUNKED, UNSTAKED. SEE DETAIL 1, SHEET LS-1.8
	T-5	PLATANUS RACEMOSA CALIFORNIA SYCAMORE	15 GAL	0	SEE DETAIL 1, SHEET LS-1.8
SHRUBS					
	S-1	HETEROMELES ARBUTIFOLIA TOYON	5 GAL	211	SEE DETAIL 2, SHEET LS-1.8
	S-2	ARCTOSTAPHYLOS 'AUSTIN HILL' AUSTIN HILL MANZANITA	5 GAL	247	SEE DETAIL 2, SHEET LS-1.8
	S-3	PRUNUS ILICIFOLIA 'LYONII' CATALINA ISLAND CHERRY	5 GAL	142	SEE DETAIL 2, SHEET LS-1.8
	S-4	CERCOCARPUS BETULOIDES MOUNTAIN MAHOGANY	5 GAL	140	SEE DETAIL 2, SHEET LS-1.8
	S-5	ARCTOSTAPHYLOS BAKERI LOUIS EDMUNDS' LOUIS EDMUNDS MANZANITA	5 GAL	92	SEE DETAIL 2, SHEET LS-1.8
	S-6	RHUS OVATA SUGAR BUSH	5 GAL	19	SEE DETAIL 2, SHEET LS-1.8
	S-7	RHAMNUS CALIFORNICA COFFEEBERRY	5 GAL	63	SEE DETAIL 2, SHEET LS-1.8
	S-8	ARCTOSTAPHYLOS DENSIFLORA 'HOWARD MCMINN' HOWARD MCMINN MANZANITA	5 GAL	180	SEE DETAIL 2, SHEET LS-1.8
	S-9	ARCTOSTAPHYLOS 'JOHN DOURLEY' JOHN DOURLEY MANZANITA	5 GAL	108	SEE DETAIL 2, SHEET LS-1.8
	S-10	RHAMNUS CALIFORNICA 'EVE CASE' EVE CASE	5 GAL	129	SEE DETAIL 2, SHEET LS-1.8
	S-11	MAHONIA AQUIFOLIUM OREGON GRAPE	5 GAL	127	SEE DETAIL 2, SHEET LS-1.8
	S-12	IRIS DOUGLASSIANA BEARDED IRIS	1 GAL	240	SEE DETAIL 2, SHEET LS-1.8
	S-13	ROSA CALIFORNICA 'PLENA' WILD ROSE	5 GAL	27	SEE DETAIL 2, SHEET LS-1.8
	S-14	ROSA 'NOARE' P.P.# 11308 FLOWER CARPET® RED GROUNDCOVER ROSE	5 GAL	57	SEE DETAIL 2, SHEET LS-1.8
	S-15	CERCIS OCCIDENTALIS WESTERN REDBUD	5 GAL	35	SEE DETAIL 2, SHEET LS-1.8
	S-16	GARRYA ELLIPTICA 'JAMES ROOF' COAST SILKTASSLE	5 GAL	79	SEE DETAIL 2, SHEET LS-1.8
	S-17	ARCTOSTAPHYLOS 'WOODS COMPACT' WOODS COMPACT MANZANITA GROUNDCOVER	1 GAL	93	SEE DETAIL 2, SHEET LS-1.8
	S-18	FESTUCA GLAUCA 'ELIJAH BLUE' ELIJAH BLUE FESCUE	1 GAL	283	PLANT @ 18" O.C. SEE DETAIL 2, SHEET LS-1.8.
	S-19	SALVIA GREGGII 'RED' AUTUMN SAGE	5 GAL	26	SEE DETAIL 2, SHEET LS-1.8
VINES					
	V-1	PARTHENOCISSUS TRICUSPIDATA VETCHII BOSTON IVY	1 GAL	402	SEE DETAIL 3, SHEET LS-1.8
	V-2	FIGUS PUMILA CLIMBING FIG	1 GAL	181	SEE DETAIL 3, SHEET LS-1.8
HYDROSEED					
	H-1	NON-IRRIGATED, DRYLAND EROSION CONTROL MIX	HYDROSEED	PER AREA	SEE BOOK FORM SPECIFICATIONS
	H-2	BIOFILTRATION SWALE HYDROSEED AND LINERS	HYDROSEED AND LINERS	PER AREA	SEE BOOK FORM SPECIFICATIONS
SYMBOLS					
	PLANT QUANTITY				
	PLANT TYPE				
	EXTENTS OF 3" LAYER WOOD CHIP MULCH				
	FLOWLINE OF DITCH. SHOWN FOR REFERENCE ONLY. SEE DRAINAGE PLANS BY OTHERS. DESIGN INTENT IS TO INSTALL TREES AND SHRUBS OUT OF FLOWLINE OF SWALE.				

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But	32	10.3/11.3	106	144
			12-22-11		
DECEMBER 22, 2011 PLANS APPROVAL DATE			THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.		
BRIAN FIRTH LANDSCAPE ARCHITECT, INC. 627 BROADWAY, SUITE 220 CHICO, CALIFORNIA 95928			CITY OF CHICO CAPITAL PROJECT SERVICES 411 MAIN STREET CHICO, CA 95927		

PLAN LEGEND

SYMBOL	DESCRIPTION	REMARKS	DETAIL
	EDGE OF TRAVELED WAY	SHOWN FOR REFERENCE ONLY.	--
	SOUNDWALL	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS	--
	RIGHT OF WAY	SHOWN FOR REFERENCE ONLY.	--
	EXISTING TREE, TO REMAIN. TYPICAL.	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS.	--
	FLOWLINE OF DITCH	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS. SEE PLANTING NOTE 4, THIS SHEET.	--
	CALTRANS CLEAR RECOVERY ZONE-17' FROM TRAVELED WAY FOR ALL EXISTING PLANTINGS TO REMAIN.	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS	--
	SIDEWALK	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS	--
	DRAINAGE STRUCTURE	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS.	--
	EXISTING SIGNS. TYPICAL.	SEE DETAILS FOR ADDITIONAL INFORMATION	--
	UPPER RAISED PLANTER	SEE DETAILS: 4 & 5/LS-1.8, 1 & 2/LS-1.9, AND 1 & 2/LS-1.10 FOR ADDITIONAL INFORMATION	--
	LOWER RAISED PLANTER	SEE DETAILS: 4 & 5/LS-1.8, 1 & 2/LS-1.9, AND 1 & 2/LS-1.10 FOR ADDITIONAL INFORMATION	--
	BIO-SWALE (NOT INSTALLED IN PHASE 1)	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS	--
	BIOFILTRATION SWALE	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS	--
	CALTRANS CLEAR RECOVERY ZONE	30' FROM TRAVELED WAY FOR ALL NEW PLANTINGS GREATER THAN 4" DBH. SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS	--
	IMPORT TOPSOIL AND PLACEMENT	SEE SHEET X-8 FOR SECTION. SEE LANDSCAPE PLANTING SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.	--
	ROOT BARRIER, TYPICAL.	DEEP ROOT MODEL: LB-12 OR APPROVED EQUAL. TYPICAL FOR ALL TREES WITHIN 4' OR LESS OF HARDSCAPE	--

TREE MITIGATION SUMMARY

INFORMATION PROVIDED IS FOR PHASE 1 OF THIS PROJECT-EAST SIDE OF FIR STREET TO WEST SIDE OF EL MONTE AND FROM STATION NUMBER 110+200.

TOTAL DIAMETER AT BREAST HEIGHT (DBH) TO MITIGATE (PER EIR FOR PRE-CAST SOUNDWALL RATES): 1,825 INCHES

MITIGATION RATE: 1, 15 GALLON SIZED TREE PER EVERY 6 INCHES OF DBH TO BE MITIGATED

TOTAL QUANTITY OF MITIGATION TREES REQUIRED: 305

PHASE 1
MITIGATION TREES (BY SPECIES)

CONTAINER SIZE	SPECIES	QUANTITY
15 GALLON	QUERCUS WISLIZENII	36
15 GALLON	QUERCUS LOBATA	52
15 GALLON	UMBELLULARIA CALIFORNICA	35
15 GALLON	ARBUTUS UNEDO	4
5 GALLON	HETEROMELES ARBUTIFOLIA	211
TOTAL QUANTITY OF MITIGATION TREES PROVIDED		338

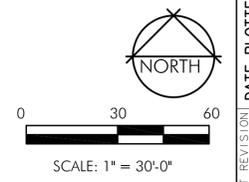
PLANTING NOTES

- INSTALL A 3" MINIMUM LAYER WOOD CHIPS AT ALL IRRIGATED LANDSCAPE AREAS. SEE PLANTING LEGEND, SYMBOLS FOR EXTENTS
- SEE PLANS BY MARK THOMAS & COMPANY FOR ADDITIONAL INFORMATION.
- REFER TO BOOK FORM SPECIFICATIONS FOR ADDITIONAL INFORMATION
- TREES AND SHRUBS TO BE PLANTED WITH A 2'-0" MINIMUM SETBACK FROM CENTERLINE OF DITCH (EXCEPT AT MEDIAN- TREES AND SINGLE ROW SHRUBS SHALL BE CENTERED IN MEDIAN).
- SEE SPECIAL PROVISIONS FOR MONITORING AND MAINTENANCE.

WATER EFFICIENT LANDSCAPE ORDINANCE

- VINES (BOSTON IVY AND CREEPING FIG) ARE MEDIUM WATER USE PLANTS. ALL OTHER IRRIGATED LANDSCAPE AREA IS COMPRISED OF LOW WATER USE PLANT MATERIAL.
- ALL IRRIGATED LANDSCAPE AREAS SHALL BE MULCHED WITH A 3" MINIMUM THICK LAYER OF WOOD CHIPS. SEE PLANTING LEGEND, SYMBOLS FOR EXTENTS.
- LAND IMAGE HAS COMPLIED WITH THE CRITERIA OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE PLANTING DESIGN.

HIGHWAY 32-
PHASE 1
LANDSCAPE
CONSTRUCTION
AND PLANTING
PLAN
SHEET LS-1.0



PLAN LEGEND

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②	SOUNDWALL	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS	--
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④	EXISTING TREE, TO REMAIN. TYPICAL.	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS.	--
⑤	FLOWLINE OF DITCH	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS. SEE PLANTING NOTE 4, THIS SHEET.	--
⑥	CALTRANS CLEAR RECOVERY ZONE-17' FROM TRAVELED WAY FOR ALL EXISTING PLANTINGS TO REMAIN.	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS	--
⑦	SIDEWALK	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS	--
⑧	DRAINAGE STRUCTURE	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS.	--
⑨	EXISTING SIGNS, TYPICAL.	SEE DETAILS FOR ADDITIONAL INFORMATION	--
⑩	UPPER RAISED PLANTER	SEE DETAILS: 4 & 5/ LS-1.8, 1 & 2/ LS-1.9, AND 1 & 2/ LS-1.10 FOR ADDITIONAL INFORMATION	--
⑪	LOWER RAISED PLANTER	SEE DETAILS: 4 & 5/ LS-1.8, 1 & 2/ LS-1.9, AND 1 & 2/ LS-1.10 FOR ADDITIONAL INFORMATION	--
⑫	BIO-SWALE (NOT INSTALLED IN PHASE 1)	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS	--
⑬	BIOFILTRATION SWALE	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS	--
⑭	CALTRANS CLEAR RECOVERY ZONE	30' FROM TRAVELED WAY FOR ALL NEW PLANTINGS GREATER THAN 4" DBH. SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS	--
⑮	IMPORT TOPSOIL AND PLACEMENT	SEE SHEET X-8 FOR SECTION. SEE LANDSCAPE PLANTING SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.	--
⑯	ROOT BARRIER, TYPICAL.	DEEP ROOT MODEL: LB-12 OR APPROVED EQUAL. TYPICAL FOR ALL TREES WITHIN 4' OR LESS OF HARDSCAPE	--

SEE SHEET LS-1.0 FOR PLANTING LEGEND

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03	But	32	10.3/11.3	108	144

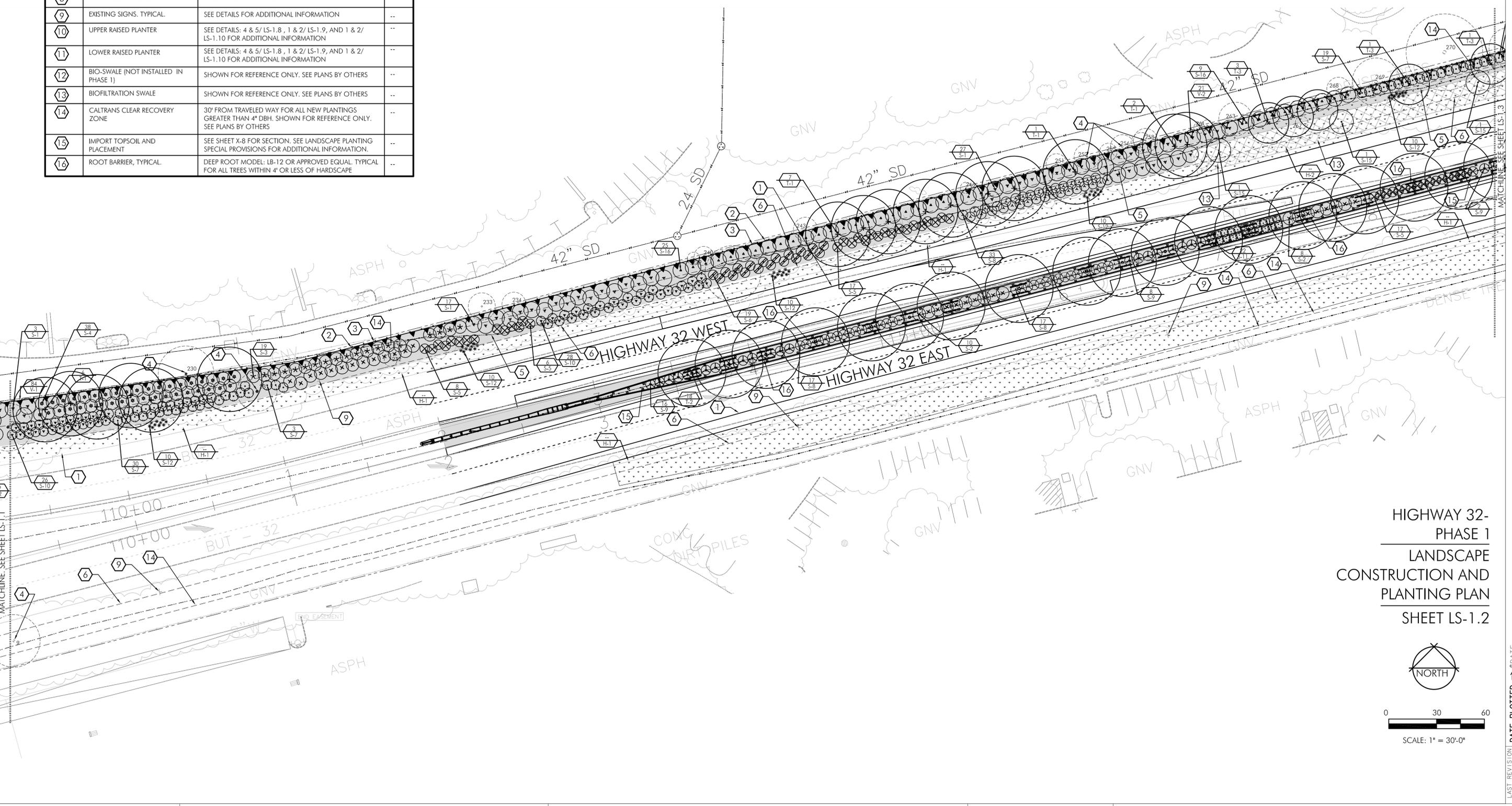
B. Firth 12-22-11
 LICENSED LANDSCAPE ARCHITECT DATE

DECEMBER 22, 2011
 PLANS APPROVAL DATE

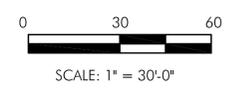
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BRIAN FIRTH LANDSCAPE ARCHITECT, INC. CITY OF CHICO
 627 BROADWAY, SUITE 220 CAPITAL PROJECT SERVICES
 CHICO, CALIFORNIA 95928 411 MAIN STREET
 CHICO, CA 95927

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 CONSULTANT - FUNCTIONAL SUPERVISOR
 B. FIRTH / JBB
 B. FIRTH
 CALCULATED-DESIGNED BY
 CHECKED BY
 REVISED BY
 DATE REVISED



**HIGHWAY 32-
 PHASE 1
 LANDSCAPE
 CONSTRUCTION AND
 PLANTING PLAN
 SHEET LS-1.2**



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 TIME PLOTTED => \$TIME
 LAST REVISION
 00-00-00

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SEE SHEET
LS-1.0 FOR
PLANTING
LEGEND

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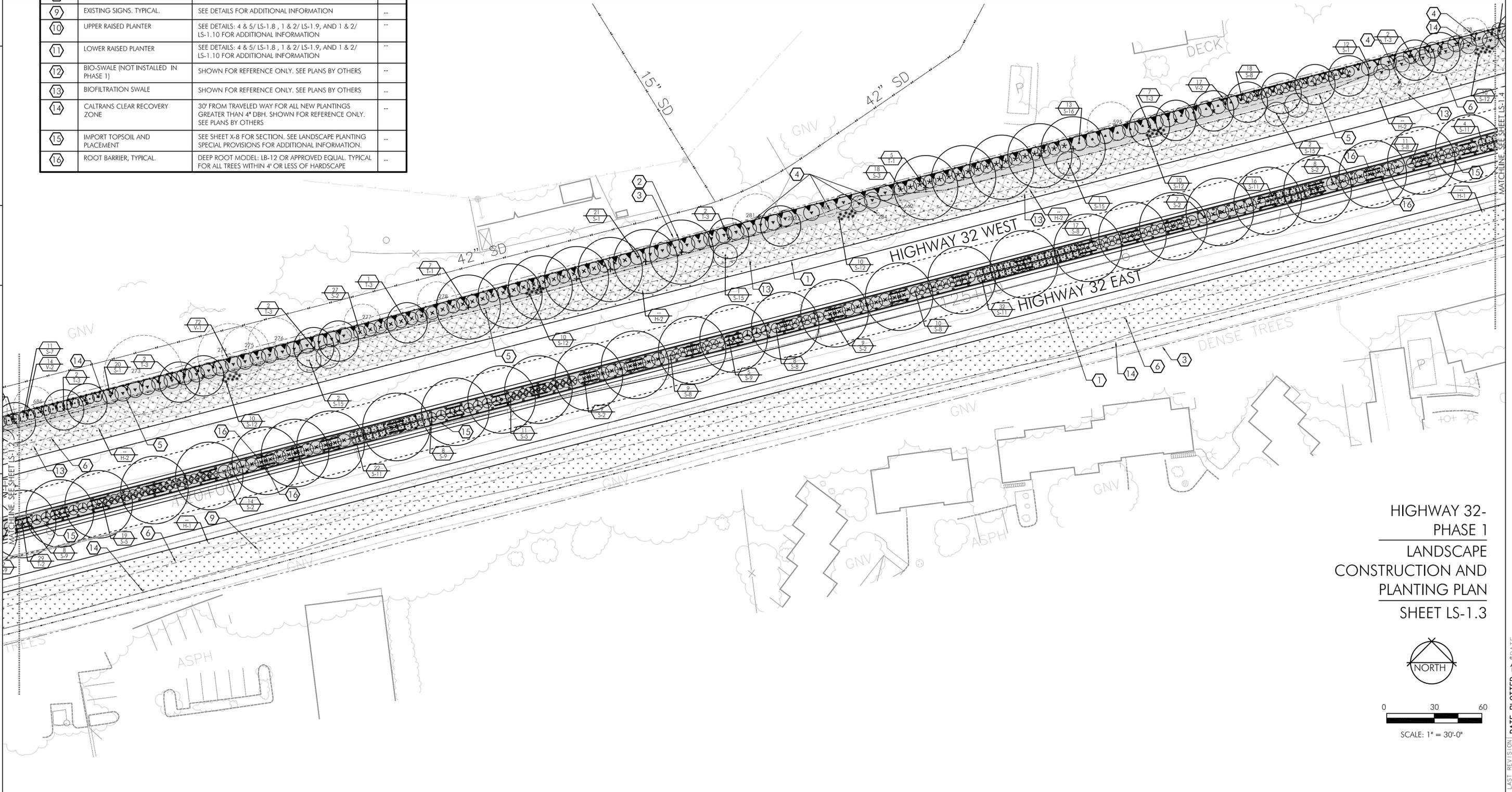
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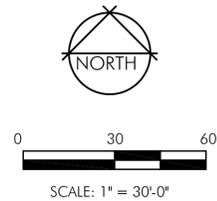
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 DATE REVISOR
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**HIGHWAY 32-
 PHASE 1
 LANDSCAPE
 CONSTRUCTION AND
 PLANTING PLAN**
SHEET LS-1.3



DATE PLOTTED => \$DATE
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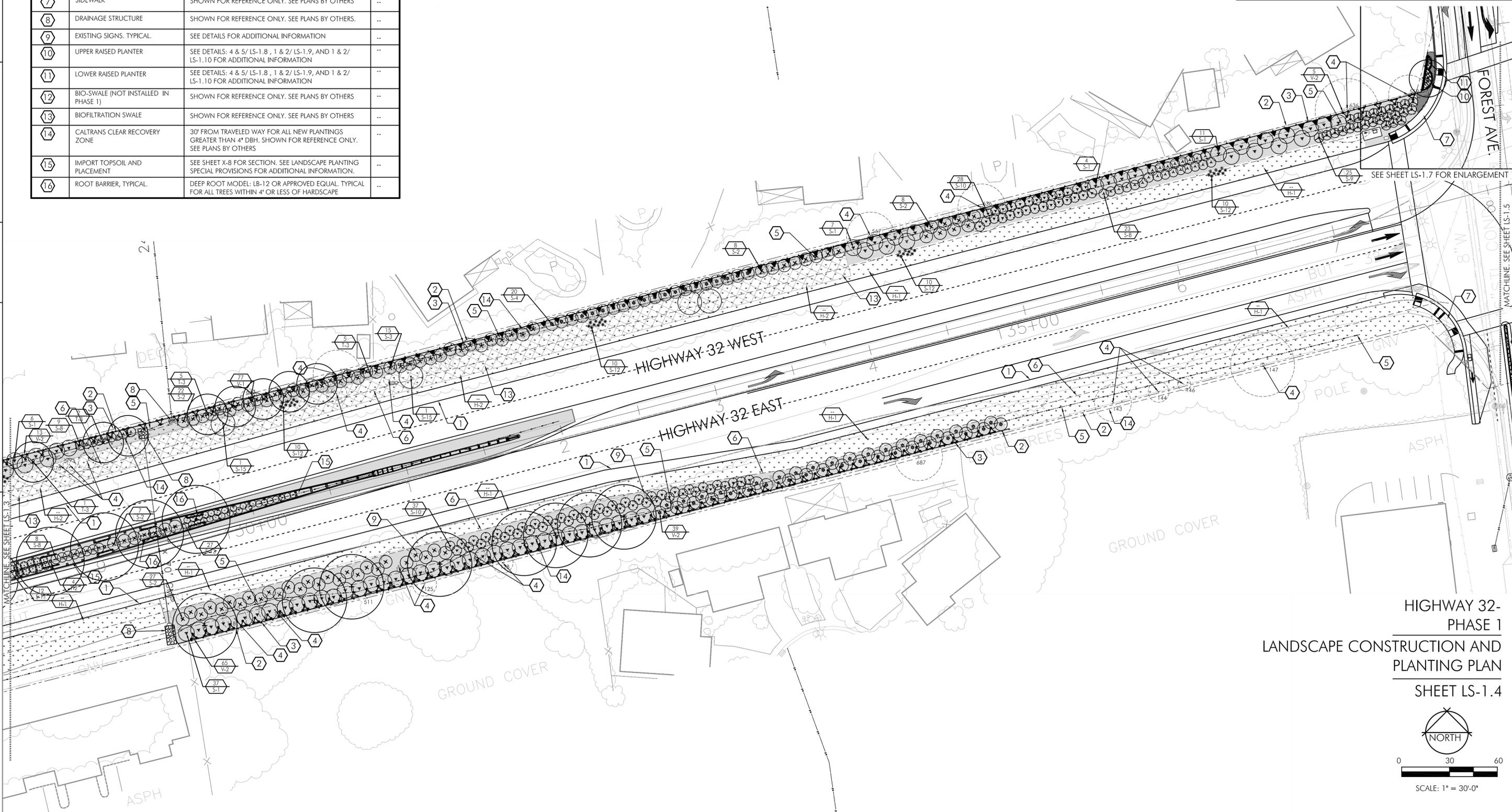
BRIAN FIRTH LANDSCAPE ARCHITECT, INC. CITY OF CHICO
 627 BROADWAY, SUITE 220 CAPITAL PROJECT SERVICES
 CHICO, CALIFORNIA 95928 CHICO, CA 95927



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⑯	ROOT BARRIER, TYPICAL.	DEEP ROOT MODEL: LB-12 OR APPROVED EQUAL. TYPICAL FOR ALL TREES WITHIN 4" OR LESS OF HARDSCAPE	--

SEE SHEET LS-1.0
 FOR PLANTING
 LEGEND



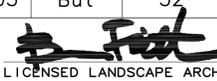
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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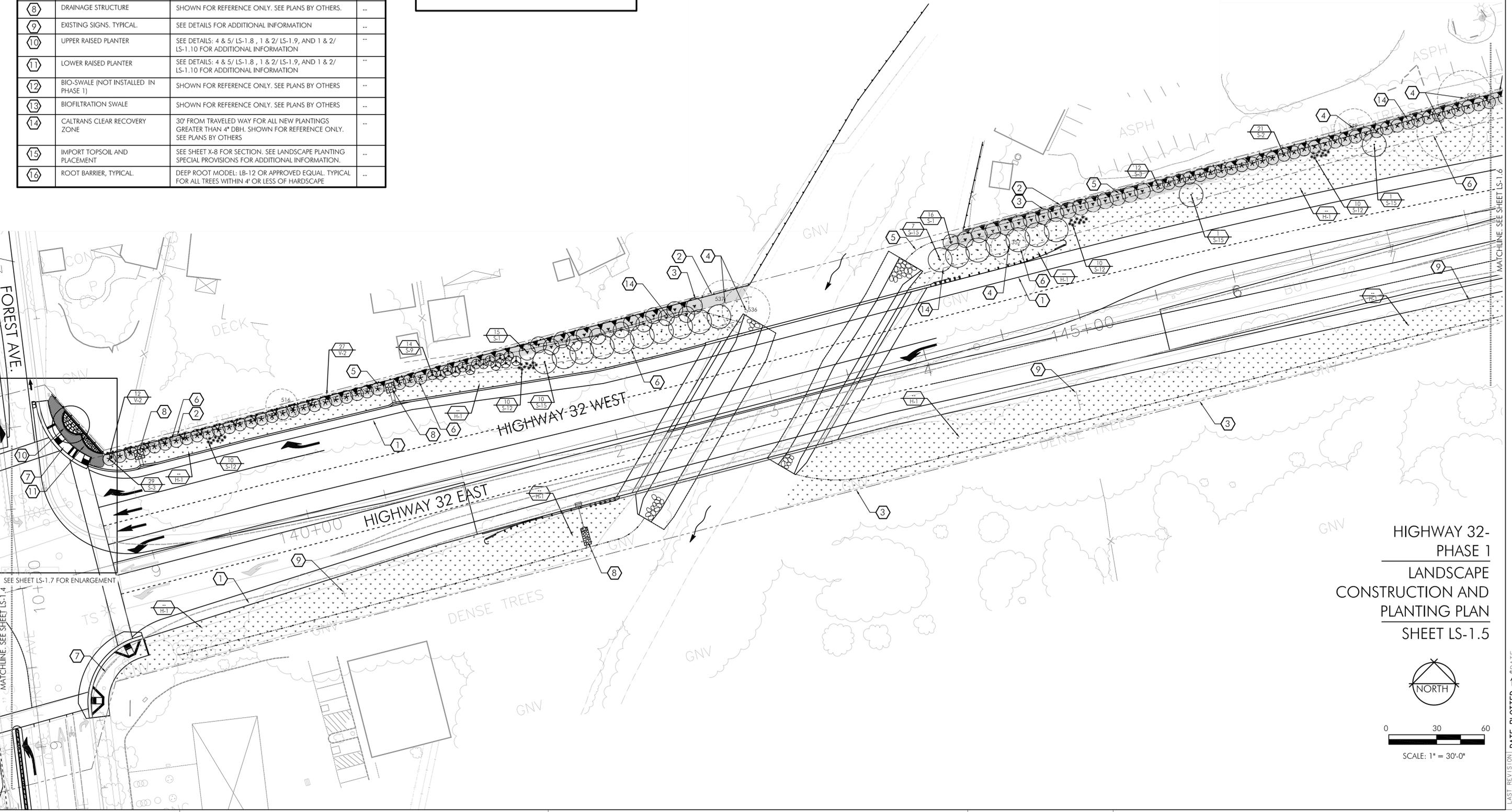
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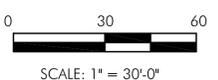


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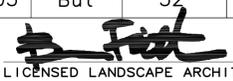
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HIGHWAY 32-
PHASE 1
LANDSCAPE
CONSTRUCTION AND
PLANTING PLAN
SHEET LS-1.5



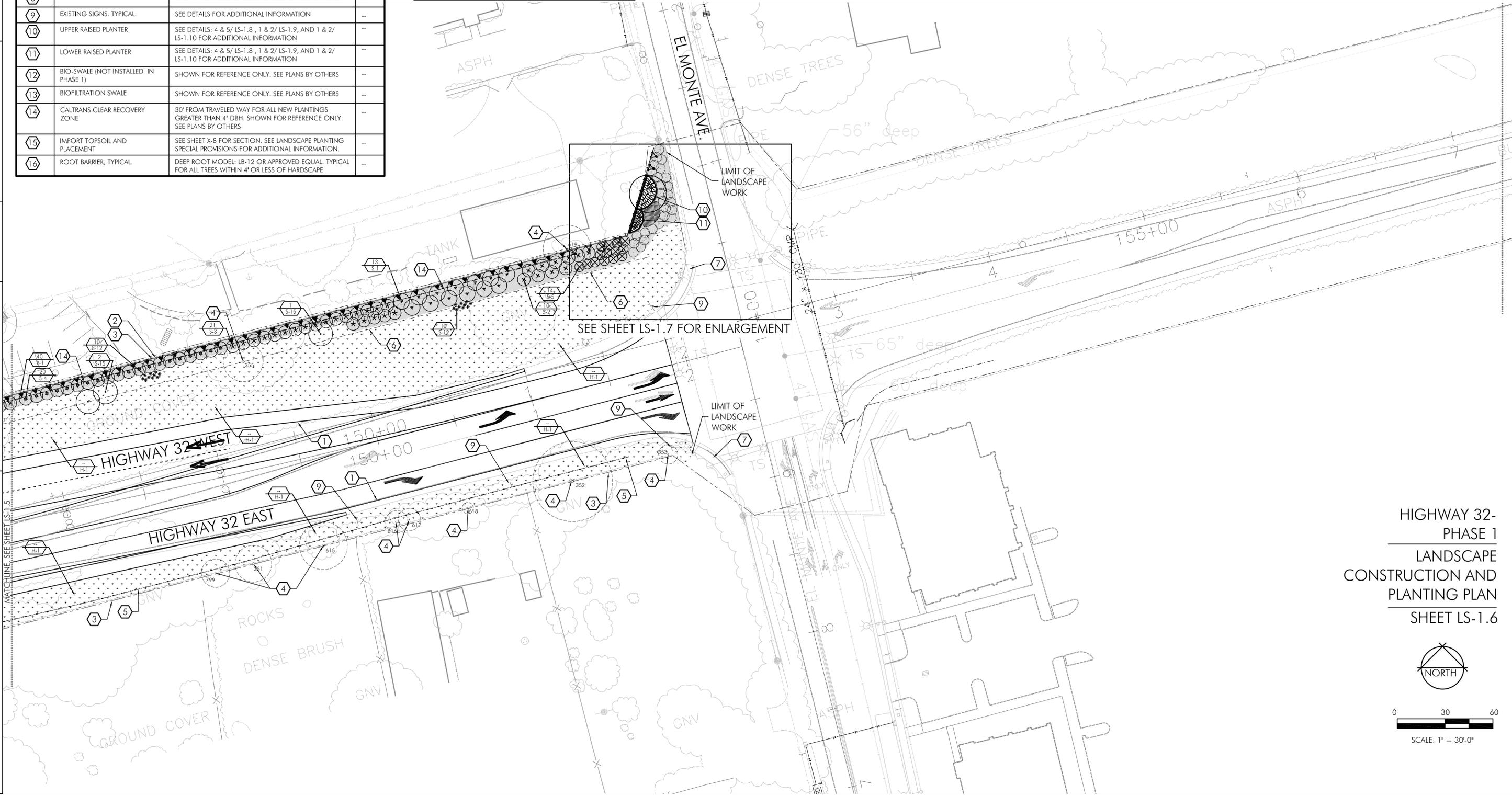
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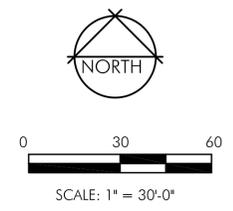
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③	RIGHT OF WAY	SHOWN FOR REFERENCE ONLY.	--
④	EXISTING TREE, TO REMAIN. TYPICAL.	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS.	--
⑤	FLOWLINE OF DITCH	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS. SEE PLANTING NOTE 4, THIS SHEET.	--
⑥	CALTRANS CLEAR RECOVERY ZONE-17' FROM TRAVELED WAY FOR ALL EXISTING PLANTINGS TO REMAIN.	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS	--
⑦	SIDEWALK	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS	--
⑧	DRAINAGE STRUCTURE	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS.	--
⑨	EXISTING SIGNS. TYPICAL.	SEE DETAILS FOR ADDITIONAL INFORMATION	--
⑩	UPPER RAISED PLANTER	SEE DETAILS: 4 & 5/ LS-1.8 , 1 & 2/ LS-1.9, AND 1 & 2/ LS-1.10 FOR ADDITIONAL INFORMATION	--
⑪	LOWER RAISED PLANTER	SEE DETAILS: 4 & 5/ LS-1.8 , 1 & 2/ LS-1.9, AND 1 & 2/ LS-1.10 FOR ADDITIONAL INFORMATION	--
⑫	BIO-SWALE (NOT INSTALLED IN PHASE 1)	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS	--
⑬	BIOFILTRATION SWALE	SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS	--
⑭	CALTRANS CLEAR RECOVERY ZONE	30' FROM TRAVELED WAY FOR ALL NEW PLANTINGS GREATER THAN 4" DBH. SHOWN FOR REFERENCE ONLY. SEE PLANS BY OTHERS	--
⑮	IMPORT TOPSOIL AND PLACEMENT	SEE SHEET X-8 FOR SECTION. SEE LANDSCAPE PLANTING SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.	--
⑯	ROOT BARRIER, TYPICAL.	DEEP ROOT MODEL: LB-12 OR APPROVED EQUAL. TYPICAL FOR ALL TREES WITHIN 4' OR LESS OF HARDSCAPE	--

SEE SHEET
LS-1.0 FOR
PLANTING
LEGEND



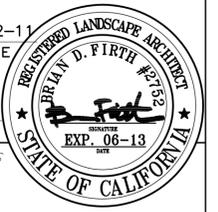
HIGHWAY 32-
PHASE 1
LANDSCAPE
CONSTRUCTION AND
PLANTING PLAN
SHEET LS-1.6



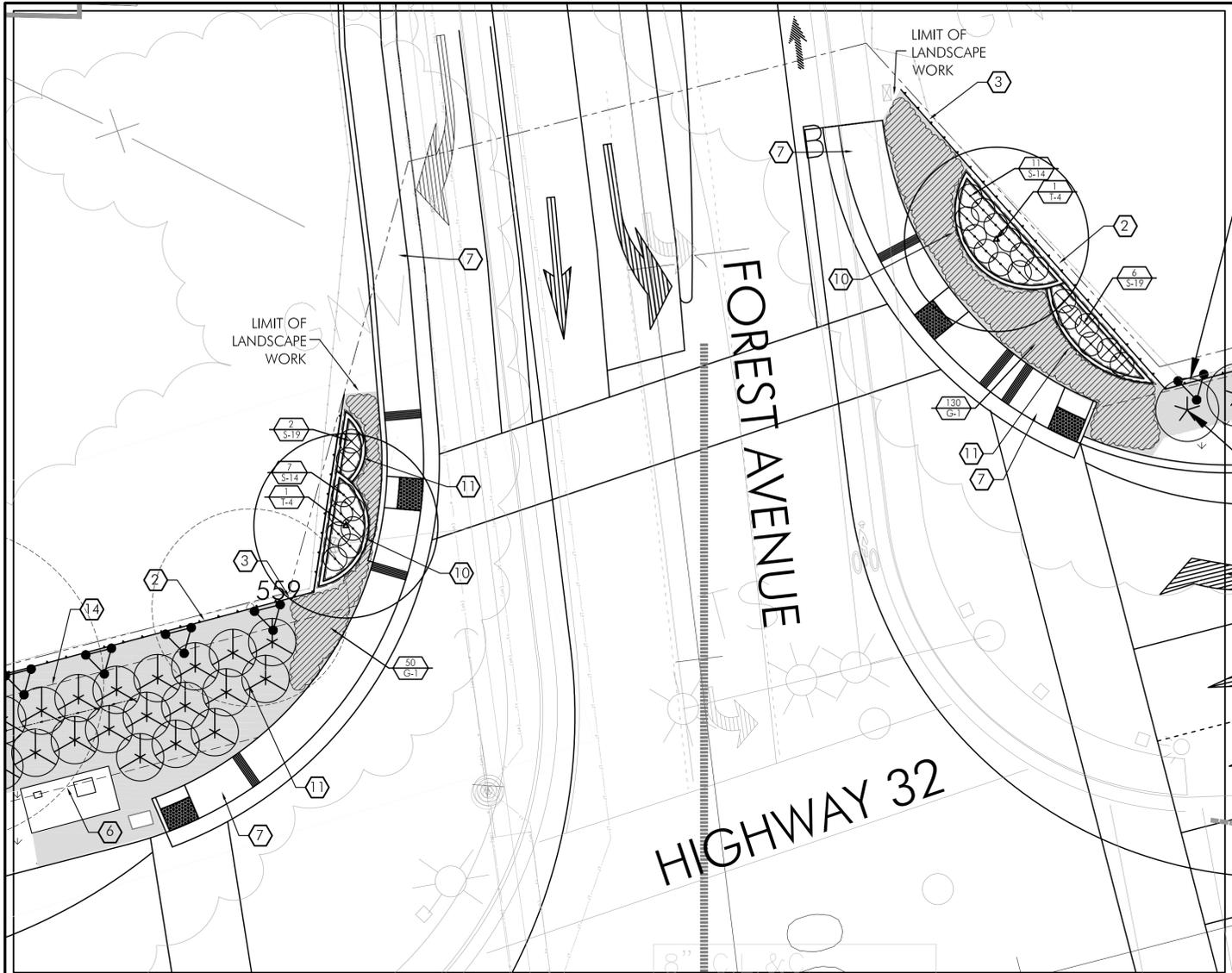
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 CONSULTANT - FUNCTIONAL SUPERVISOR
 B. FIRTH / JBB
 B. FIRTH
 REVISIONS: 12-22-11
 ORDER LAST REVISED 12-22-11

DATE PLOTTED => \$DATE
 TIME PLOTTED => \$TIME
 LAST REVISION

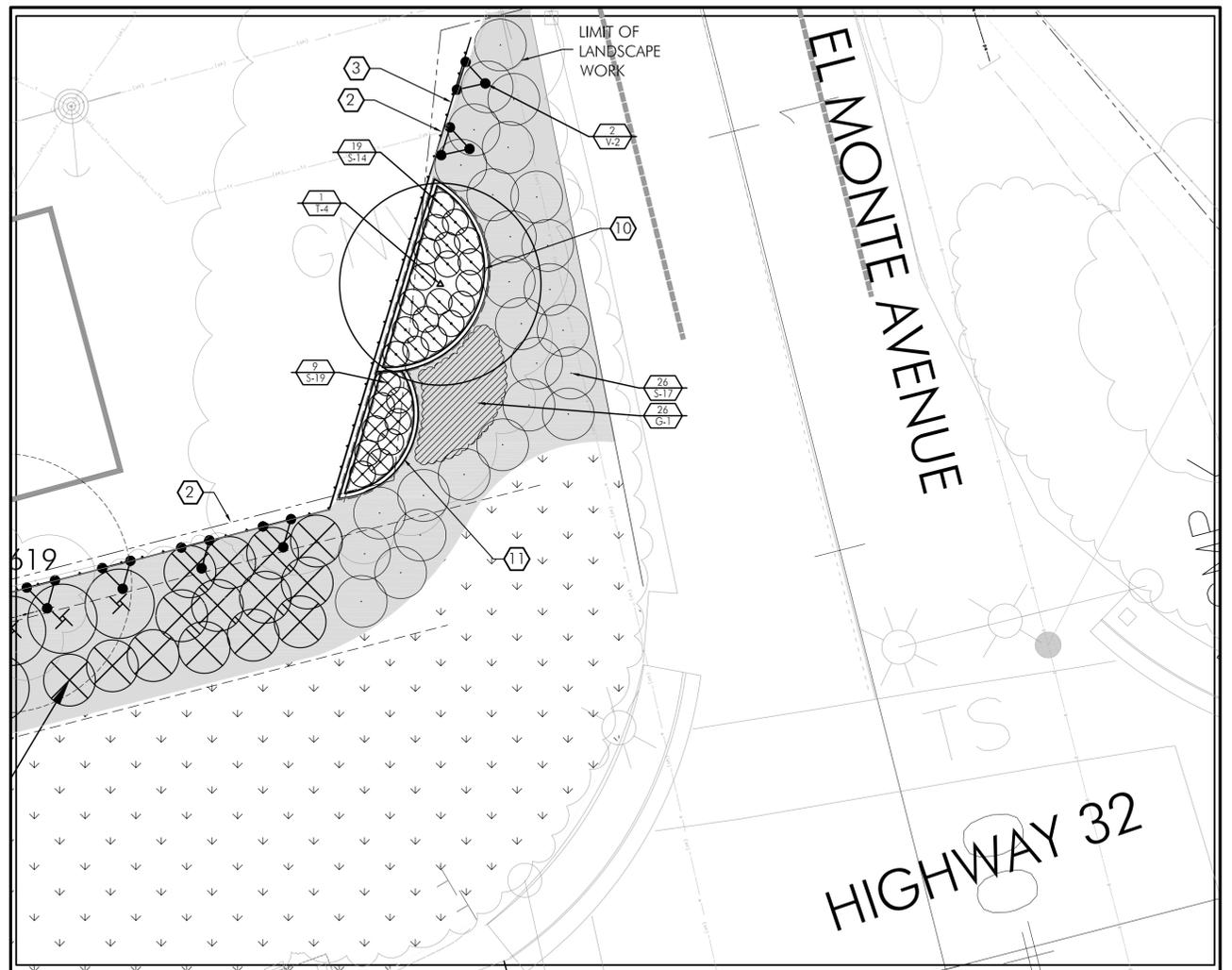
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But	32	10.3/11.3	113	144
			12-22-11		
LICENSED LANDSCAPE ARCHITECT			DATE		
DECEMBER 22, 2011			PLANS APPROVAL DATE		
THE STATE OF CALIFORNIA OR ITS OFFICERS					
BRIAN FIRTH LANDSCAPE ARCHITECT, INC. 627 BROADWAY, SUITE 220 CHICO, CALIFORNIA 95928			CITY OF CHICO CAPITAL PROJECT SERVICES 411 MAIN STREET CHICO, CA 95927		



SEE SHEET LS-1.0 FOR
PLANTING LEGEND
AND PLAN LEGEND

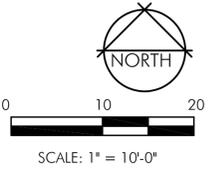


CORNER ENLARGEMENT: FOREST AVENUE AND
HIGHWAY 32



CORNER ENLARGEMENT: EL MONTE AVENUE
AND HIGHWAY 32

HIGHWAY 32-
PHASE 1
LANDSCAPE CONSTRUCTION
AND PLANTING PLAN
SHEET LS-1.7



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
CONSULTANT - FUNCTIONAL SUPERVISOR
BRIAN FIRTH
CALCULATED-DESIGNED BY
B. FIRTH / JBB
CHECKED BY
B. FIRTH
REVISOR
DATE REVISOR

DATE PLOTTED => \$DATE
TIME PLOTTED => \$TIME

