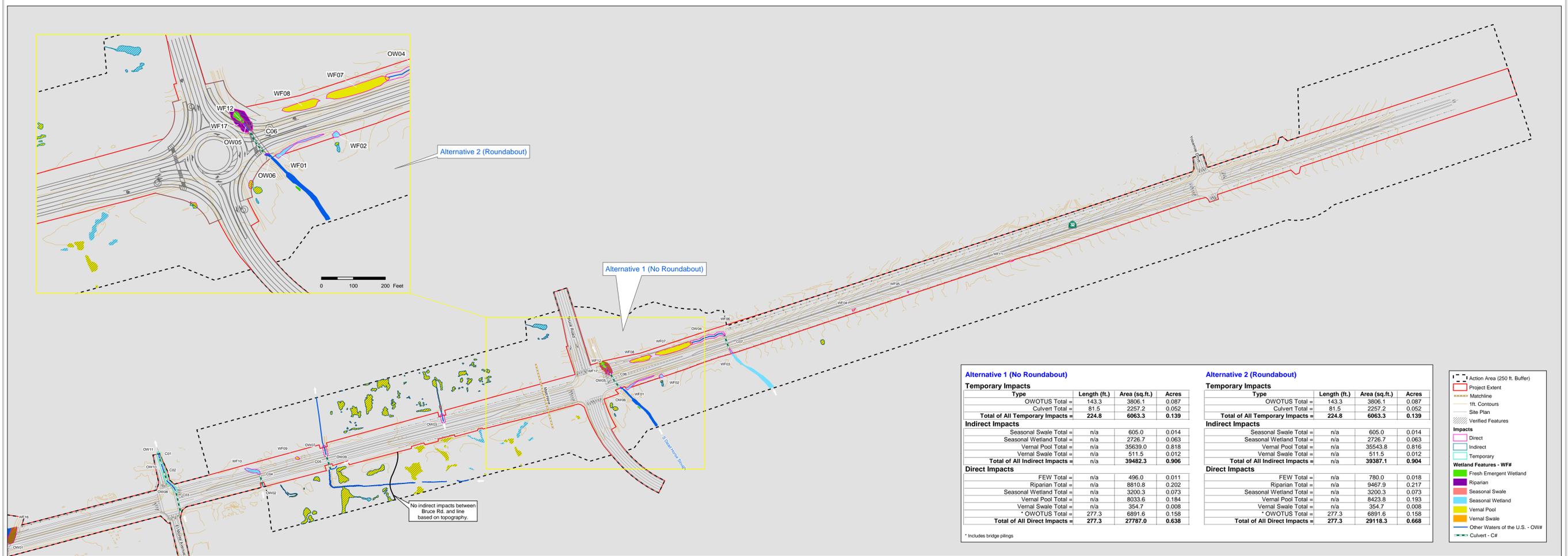
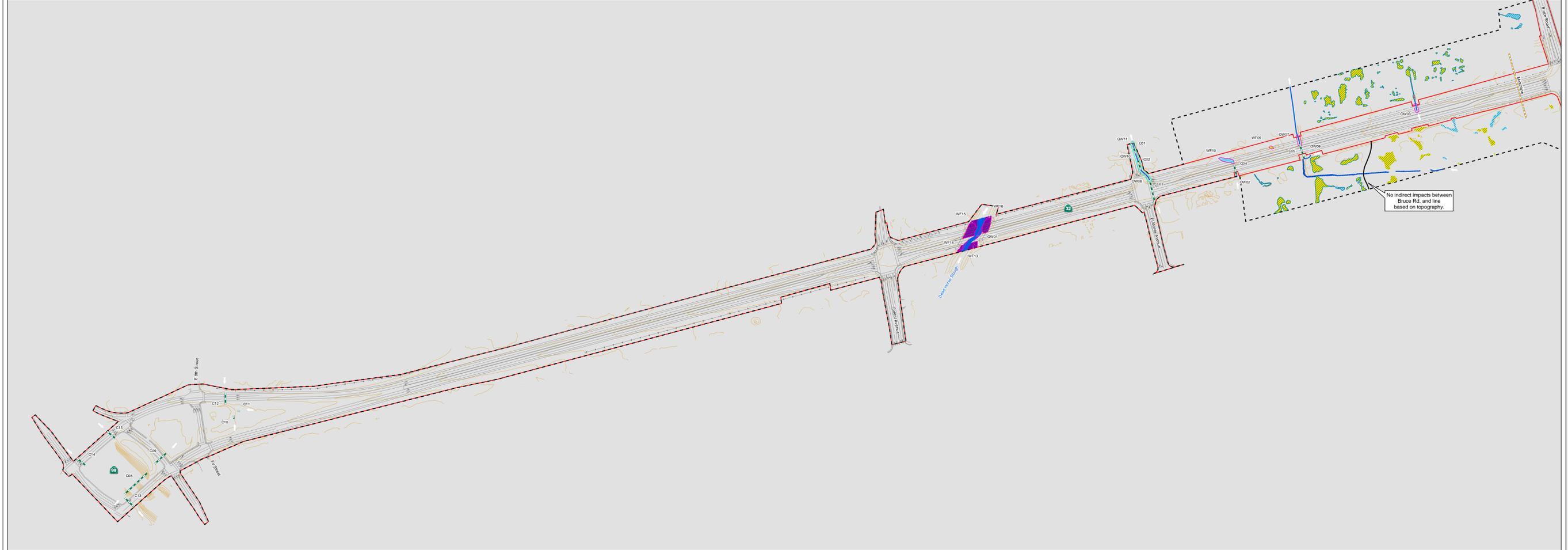


Attachment A: Wetland Impacts Map



Alternative 1 (No Roundabout)

Temporary Impacts			
Type	Length (ft)	Area (sq.ft.)	Acres
OWOTUS Total	143.3	3806.1	0.087
Culvert Total	81.5	2257.2	0.052
Total of All Temporary Impacts	224.8	6063.3	0.139
Indirect Impacts			
Seasonal Swale Total	n/a	605.0	0.014
Seasonal Wetland Total	n/a	2726.7	0.063
Vernal Pool Total	n/a	35639.0	0.818
Vernal Swale Total	n/a	511.5	0.012
Total of All Indirect Impacts	n/a	39482.3	0.906
Direct Impacts			
FEW Total	n/a	496.0	0.011
Riparian Total	n/a	8810.8	0.202
Seasonal Wetland Total	n/a	3200.3	0.073
Vernal Pool Total	n/a	8033.6	0.184
Vernal Swale Total	n/a	354.7	0.008
* OWOTUS Total	277.3	6891.6	0.158
Total of All Direct Impacts	277.3	27787.0	0.638

Alternative 2 (Roundabout)

Temporary Impacts			
Type	Length (ft)	Area (sq.ft.)	Acres
OWOTUS Total	143.3	3806.1	0.087
Culvert Total	81.5	2257.2	0.052
Total of All Temporary Impacts	224.8	6063.3	0.139
Indirect Impacts			
Seasonal Swale Total	n/a	605.0	0.014
Seasonal Wetland Total	n/a	2726.7	0.063
Vernal Pool Total	n/a	35543.8	0.816
Vernal Swale Total	n/a	511.5	0.012
Total of All Indirect Impacts	n/a	39387.1	0.904
Direct Impacts			
FEW Total	n/a	780.0	0.018
Riparian Total	n/a	9467.9	0.217
Seasonal Wetland Total	n/a	3200.3	0.073
Vernal Pool Total	n/a	8423.8	0.193
Vernal Swale Total	n/a	354.7	0.008
* OWOTUS Total	277.3	6891.6	0.158
Total of All Direct Impacts	277.3	29118.3	0.668

Legend

- Action Area (250 ft. Buffer)
- Project Extent
- Matchline
- 1ft. Contours
- Site Plan
- Verified Features

Impacts

- Direct
- Indirect
- Temporary

Wetland Features - WF#

- Fresh Emergent Wetland
- Riparian
- Seasonal Swale
- Seasonal Wetland
- Vernal Pool
- Vernal Swale
- Other Waters of the U.S. - OW#
- Culvert - C#

The information contained in this figure shall be considered preliminary until written verification by the USACE. Project Extent derived from MTCO CAD, Butte County parcel right of way & proposed avoidance. Map Date: Dec. 5, 2005/Revised: Aug. 9, 2006 & Sep. 14, 2006



