

REVISED - PEA Pole Numbers

Constraints Survey and Report LSA 2013

M E M O R A N D U M

DATE: May 7, 2013

TO: Todd Easley and Jason Kapchinske, San Diego Gas & Electric (SDG&E)

FROM: Dan Rosie, LSA Associates, Inc. (LSA)

SUBJECT: 25240 – TL 695, Wood to Steel, Camp Pendleton (LSA Project No. SGE1301)

As requested by SDG&E, LSA conducted a constraints analysis to identify the presence of, or potential to occur, for special-status biological and jurisdictional water resources along SDG&E's overhead electrical Transmission Lines (TL) 695 and 13832 primarily located aboard United States Marine Corps Base – Camp Pendleton, San Diego County, California. The study area consists of a 60-foot corridor (30-foot buffer on both sides of the alignment¹) along TL 695 from the Japanese Mesa Substation north to the San Mateo and Talega Substations (San Diego County), and ultimately the Cristianitos Substation (Orange County), and along TL 13832 from southeast of the Japanese Mesa Substation north to the San Mateo Tap (San Diego County) (see attached Figure 1: Project Overview).

In April 2013, LSA biologists Dan Rosie and Jaime Morales conducted a habitat suitability assessment to determine the presence or potential for plant and animal species federally-listed as threatened, endangered, or candidate by the U.S. Fish and Wildlife Service (USFWS) and narrow endemic species covered under the SDG&E Subregional Natural Communities Conservation Plan (NCCP) to occur within the study area. Specifically, per SDG&E direction, biological resources surveyed for included vernal pools, federally-listed plants, Least Bell's vireo (*Vireo bellii pusillus*), southwestern willow flycatcher (*Empidonax traillii extimus*), Pacific pocket mouse (*Perognathus longimembris pacificus*), and all other NCCP narrow endemic species, particularly coastal cactus wren (*Campylorhynchus brunneicapillus*). Suitable habitat was mapped on field maps depicting the study area on recent aerial photography.

In addition, the study area was concurrently reviewed for the presence of aquatic resources, including waters of the U.S. potentially subject to the jurisdiction of the U.S. Army Corps of Engineers (Corps) and of the San Diego Regional Water Quality Control Board (RWQCB) pursuant to Sections 404 and 401 of the Federal Clean Water Act of 1972 (CWA), respectively, and streambed/banks and associated riparian vegetation potentially subject to the jurisdiction of the California Department of Fish and Wildlife (CDFW) pursuant to Section 1600 et seq. of the California Fish and Game Code. Water resources were mapped using a Global Positioning System (GPS) unit with sub-meter accuracy to the greatest extent feasible and otherwise extrapolated where access was limited.

¹ Pole and alignment data provided by SDG&E is in most cases not consistent with the sub-meter GPS data collected by LSA; therefore, the 30-foot buffer on the SDG&E alignment data may be up to 10 feet (more or less) off center of the actual alignment as verified on the ground.

In addition to Figure 1, attached are Figure 2 (Constraints Map), the associated Project Shapefiles (all polygons) with metadata describing and justifying the identified resources (Attachment 1), and a Feature Spreadsheet (Attachment 2) and Photo Documentation (Attachment 3) identifying poles or other work locations within or near potentially jurisdictional water features and describing and justifying the identified resources.

SPECIAL-STATUS BIOLOGICAL RESOURCES

Vernal Pools

No vernal pools were observed within the study area during the survey. Three (3) seasonal ponds were observed within the existing dirt access roads along TL 695 near PEA Poles 94 and 92 (see Sheet 29 of Figure 2). No vernal pool plants or any other plants were observed within these features; however, there is a potential for them to support vernal pool branchiopods (Order Anostraca). Road re-grading activities in these locations have the potential to result in take of federally-listed brachiopods if present. No other seasonal ponds were observed within the study area during the survey.

Federally-listed Plants

Portions of TL 695 are located within mapped soils suitable (clay soils) or potentially suitable (soil series known to include suitable clay lenses) to support federally-listed thread-leaved brodiaea (*Brodiaea filifolia*). In addition, historic records of thread-leaved brodiaea are known southwest of the Cristianitos Substation and west of TL 695 between the Talega and San Mateo Substations (Sheets 1 and 5–15 of Figure 2). Because thread-leaved brodiaea is a perennial corm species that produces aboveground vegetation annually, the precise location of existing populations is unknown. Ground disturbance activities in soils suitable to support thread-leaved brodiaea have the potential to result in take of this species if present. No other federally-listed or NCCP narrow endemic plant species are expected to occur within the study area.

Least Bell's Vireo and Southwestern Willow Flycatcher

Habitat suitable to support least Bell's vireo (LBVI) and southwestern willow flycatcher (SWFL) was observed throughout the study area within drainages that consist of riparian scrub and riparian woodland vegetation (see Sheets 2, 3, 6, 14, 16–19, 23–25, 29, 37, and 44 of Figure 2). These areas include riparian corridors within tributaries to Cristianitos Creek, within San Mateo Creek and adjacent wetlands, and within San Onofre Creek. LBVI was observed during the April 2013 assessment where TL 695 spans San Mateo Creek and San Onofre Creek. Vegetation clearing activities in these locations have the potential to result in take of these species if activities are conducted during the bird breeding season (February 15 through September 15) and these species are present.

Pacific Pocket Mouse

Habitat suitable to support Pacific pocket mouse (PPM) was observed throughout the study area in disturbed areas near historic populations (along TL 695 south of San Mateo Substation between Poles

157 and 148; Sheets 19–21 of Figure 2), coastal sage scrub (along TL 695 north of Basilone Road; Sheets 26-28 of Figure 2), and within drainages and associated terraces (along TL 13832 on the south side of San Mateo Creek [Sheet 29], San Mateo-South and Mouse Mountain to Basilone Road [Sheets 39–43], and San Onofre Creek [Sheet 44]) where friable soils suitable for burrowing occurs. Road re-grading and pole replacement activities in these locations have the potential to result in take of PPM if present.

Coastal Cactus Wren

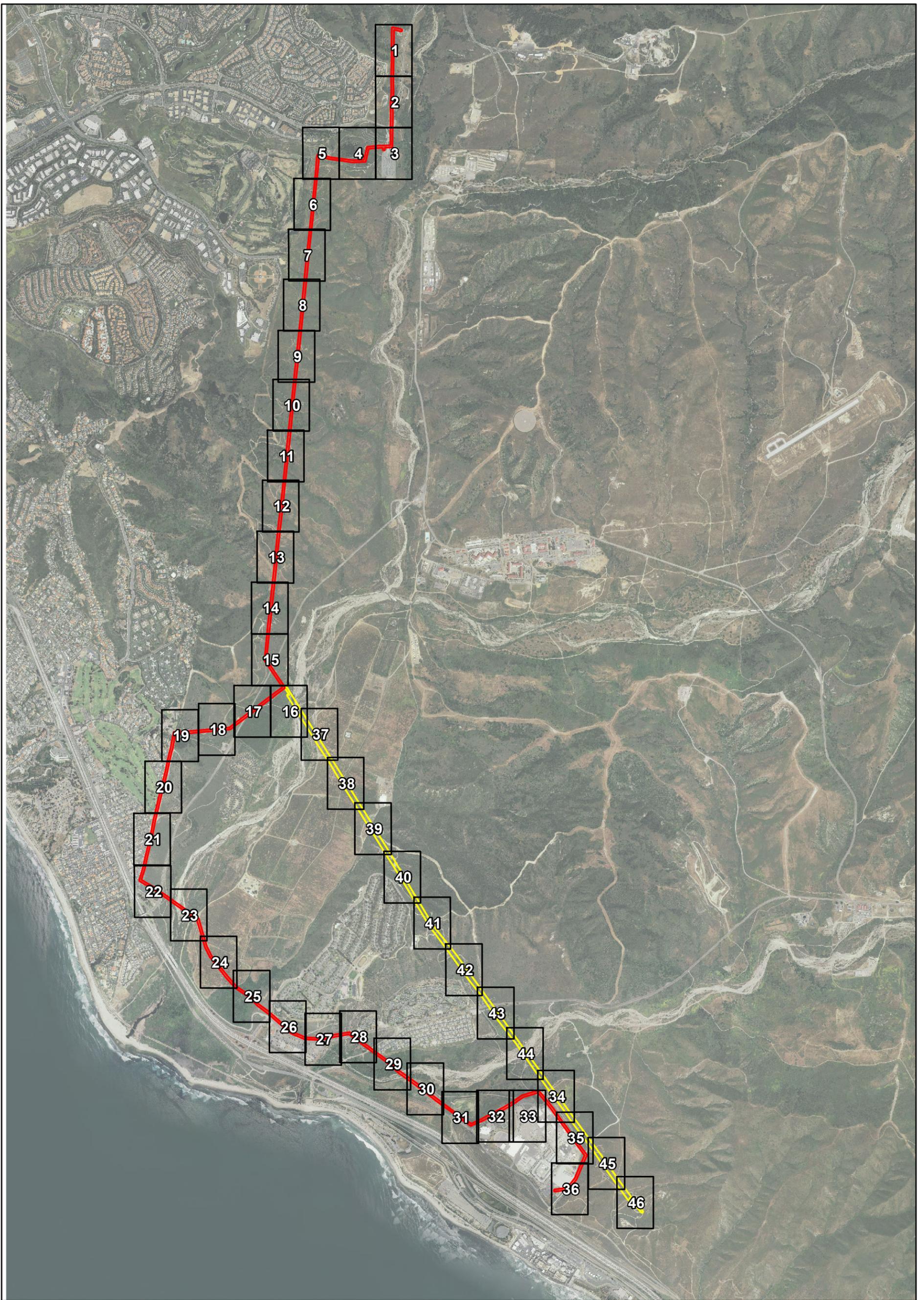
Habitat suitable to support coastal cactus wren (CACW) was observed along TL 13832 near the top of Mouse Mountain, south of PEA Pole 49 (see Sheet 41 of Figure 2). Suitable habitat was mapped where large stands of cactus suitable to support nesting CACW was observed within the study area. Pole replacement activities at this location have the potential to result in take of this species if present.

JURISDICTIONAL WATER RESOURCES

Areas potentially subject to the jurisdiction of the CDFW, RWQCB, and Corps were observed throughout the study (labeled as Features 1–36 in Figure 2). Drainages displaying active streambed and banks (S/B), riparian vegetation, and/or an ordinary high water mark (OHWM) were mapped using a GPS unit with sub-meter accuracy or delineated on field maps with recent aerial photography in areas where access was limited. Features mapped include concrete-lined v-ditches where ordinary flow was evident, drainages with S/B but no OHWM, riparian corridors with no streambed and banks or OHWM, and drainages with defined S/B and riparian corridors with wetlands and/or an OHWM.

Please feel free to contact me at (760) 931-5471 or at dan.rosie@lsa-assoc.com if you have any questions or concerns regarding this memorandum.

Enclosed: Figure 1: Project Overview
 Figure 2: Constraints Map
 Attachment 1: Project Shapefiles
 Attachment 2: Feature Spreadsheet
 Attachment 3: Photo Documentation



LSA

LEGEND

- Map Sheet
- 30-foot Buffer of TL 695
- 30-foot Buffer of TL 13832



SOURCE: CPEN (2012); ICFI (2013)

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FIGURE 1

*TL 695, Wood to Steel,
Camp Pendleton
Project Overview*



NA - Not A Part of Project

LSA

LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832
- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond

- Suitable Habitat
- Coastal Cactus Wren
 - Least Bell's Vireo/Southwestern Willow Flycatcher
 - Pacific Pocket Mouse

Map Index

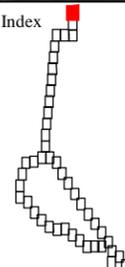
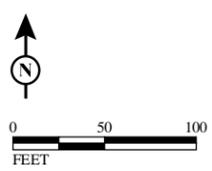
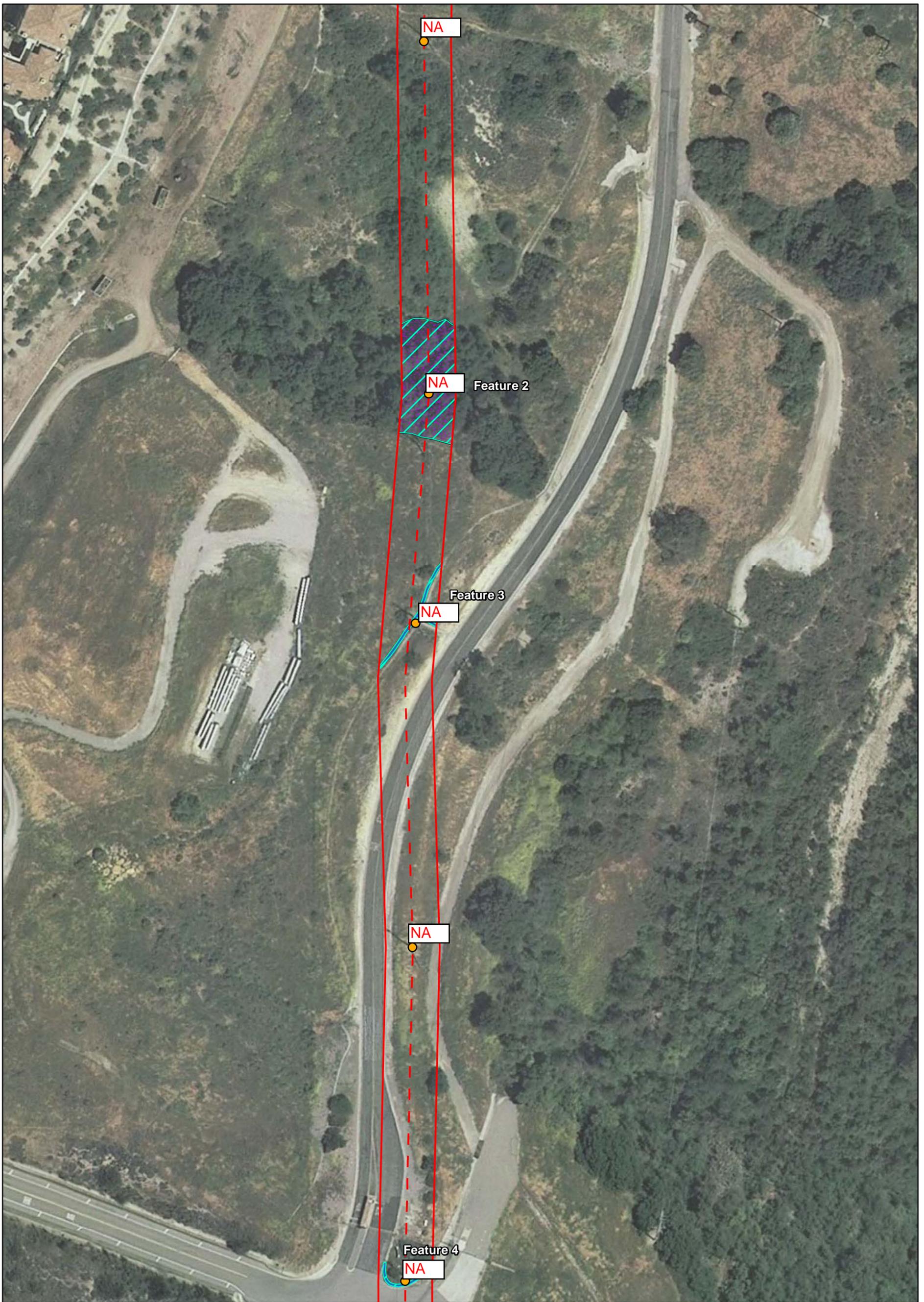


FIGURE 2
Sheet 01 of 46

TL 695, Wood to Steel,
Camp Pendleton
Constraints Map





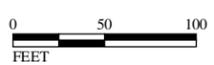
LSA

LEGEND

- Pole Location
- TL695 Alignment
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- 30-foot Buffer of TL 13832

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SOURCE: CPEN (2012); ICFI (2013)

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Map Index

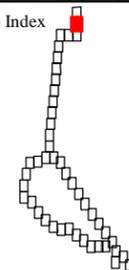
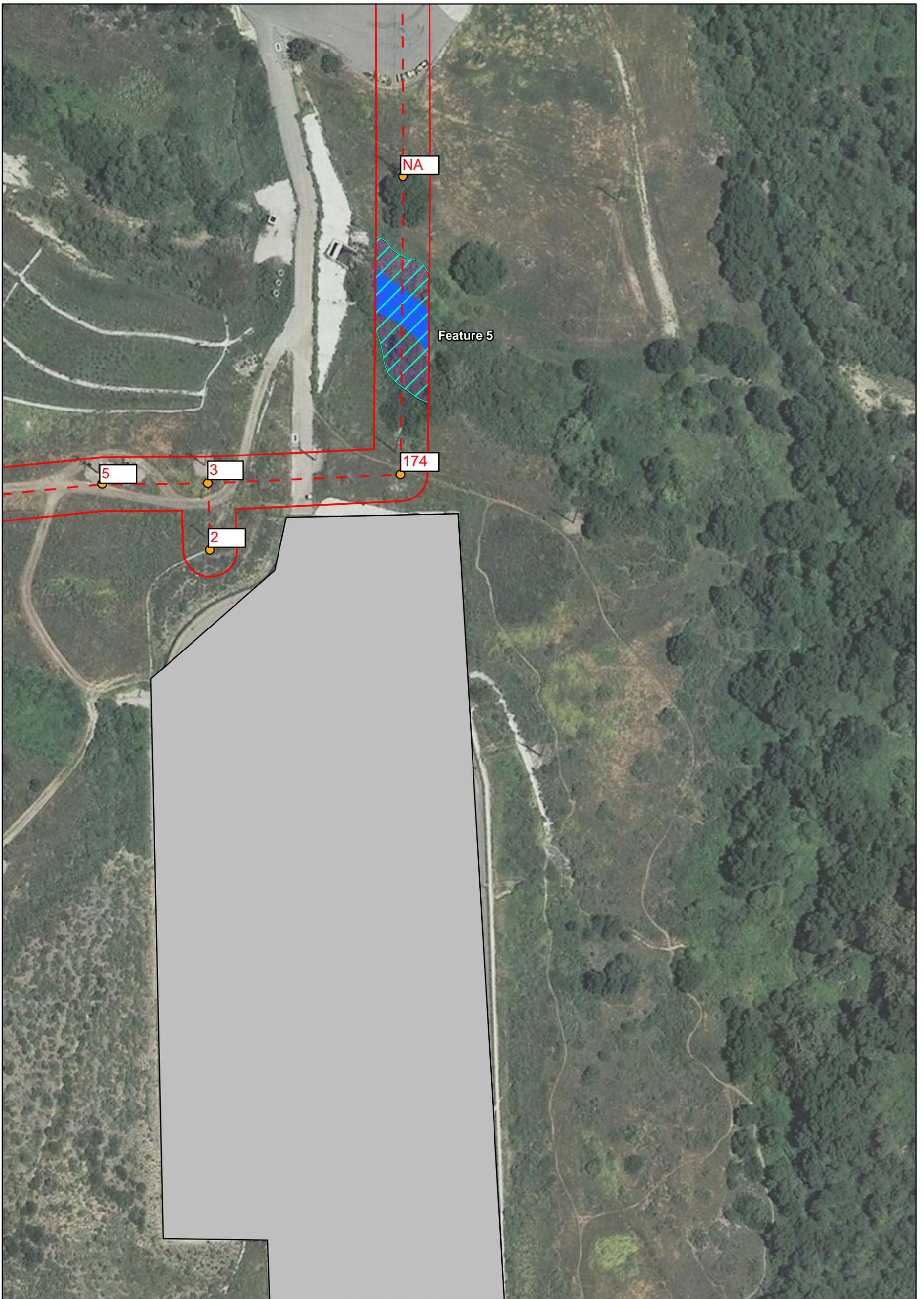


FIGURE 2
Sheet 02 of 46

TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



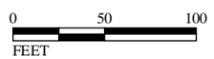
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SOURCE: CPEN (2012); ICFI (2013)

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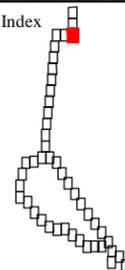


FIGURE 2
Sheet 03 of 46

TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



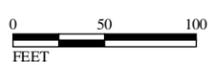
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SOURCE: CPEN (2012); ICFI (2013)

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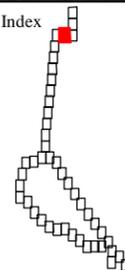
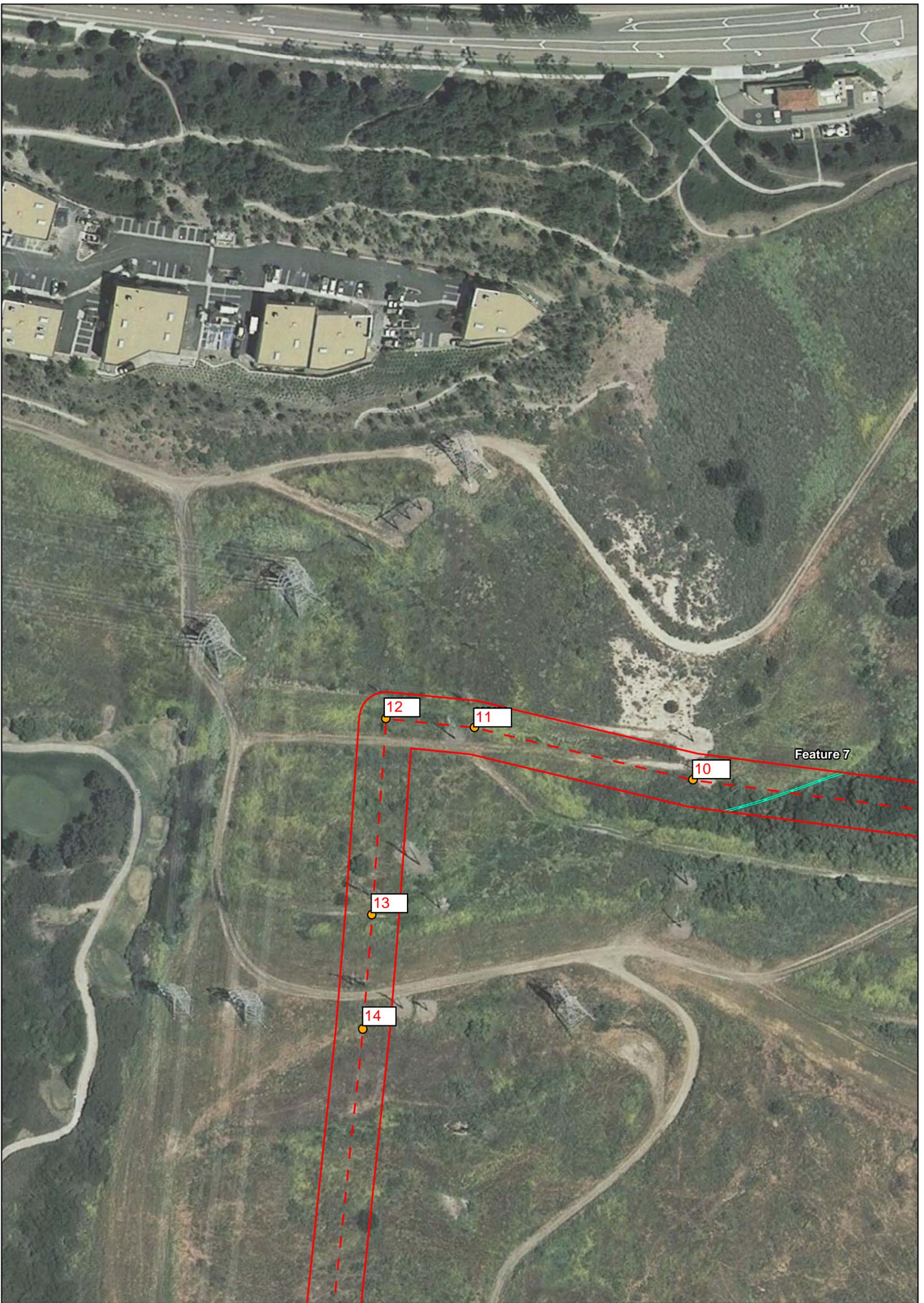


FIGURE 2
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TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



LSA

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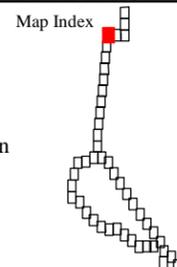
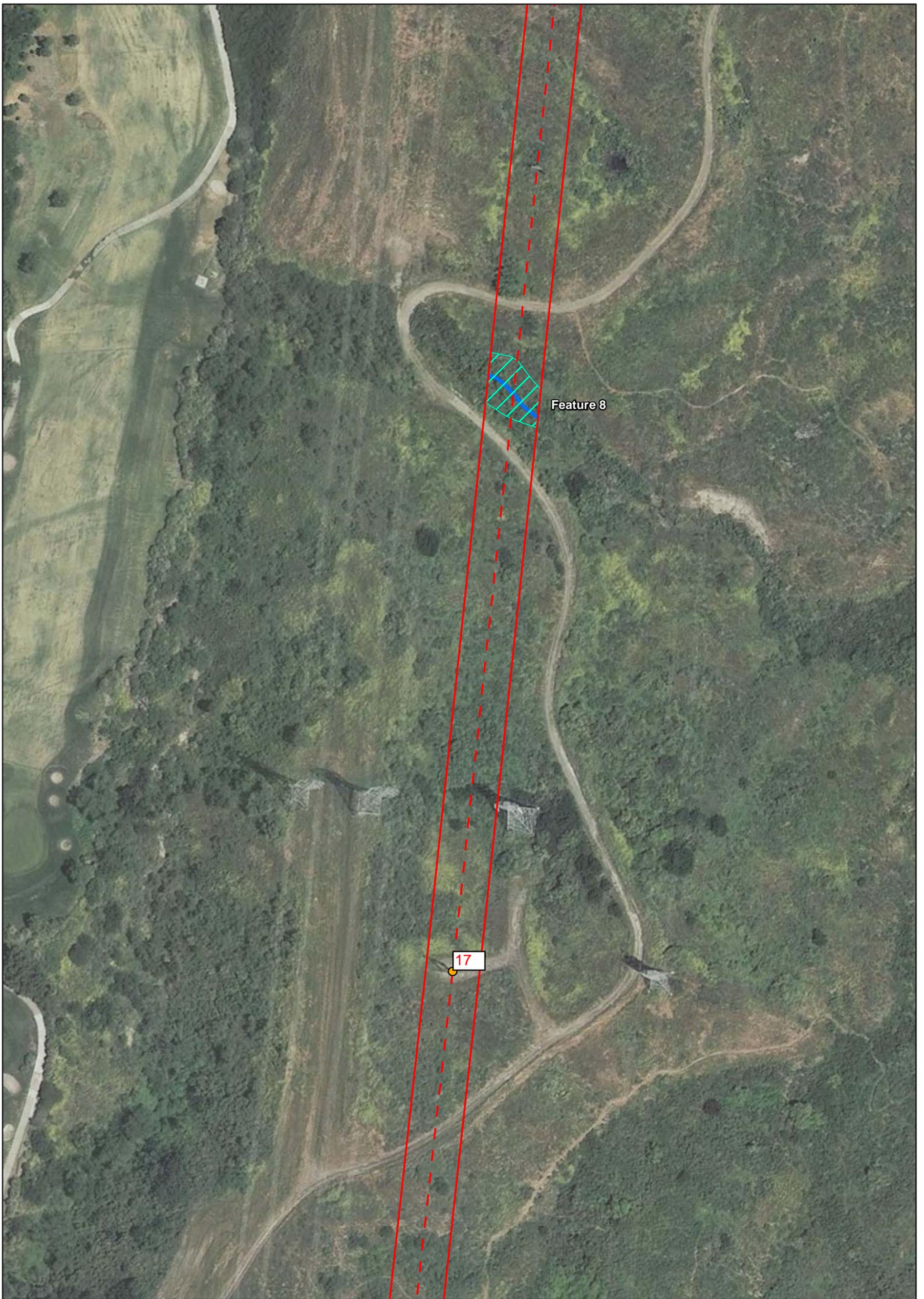


FIGURE 2
Sheet 05 of 46

TL 695, Wood to Steel,
Camp Pendleton
Constraints Map

SOURCE: CPEN (2012); ICFI (2013)

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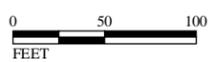
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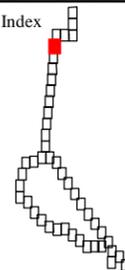
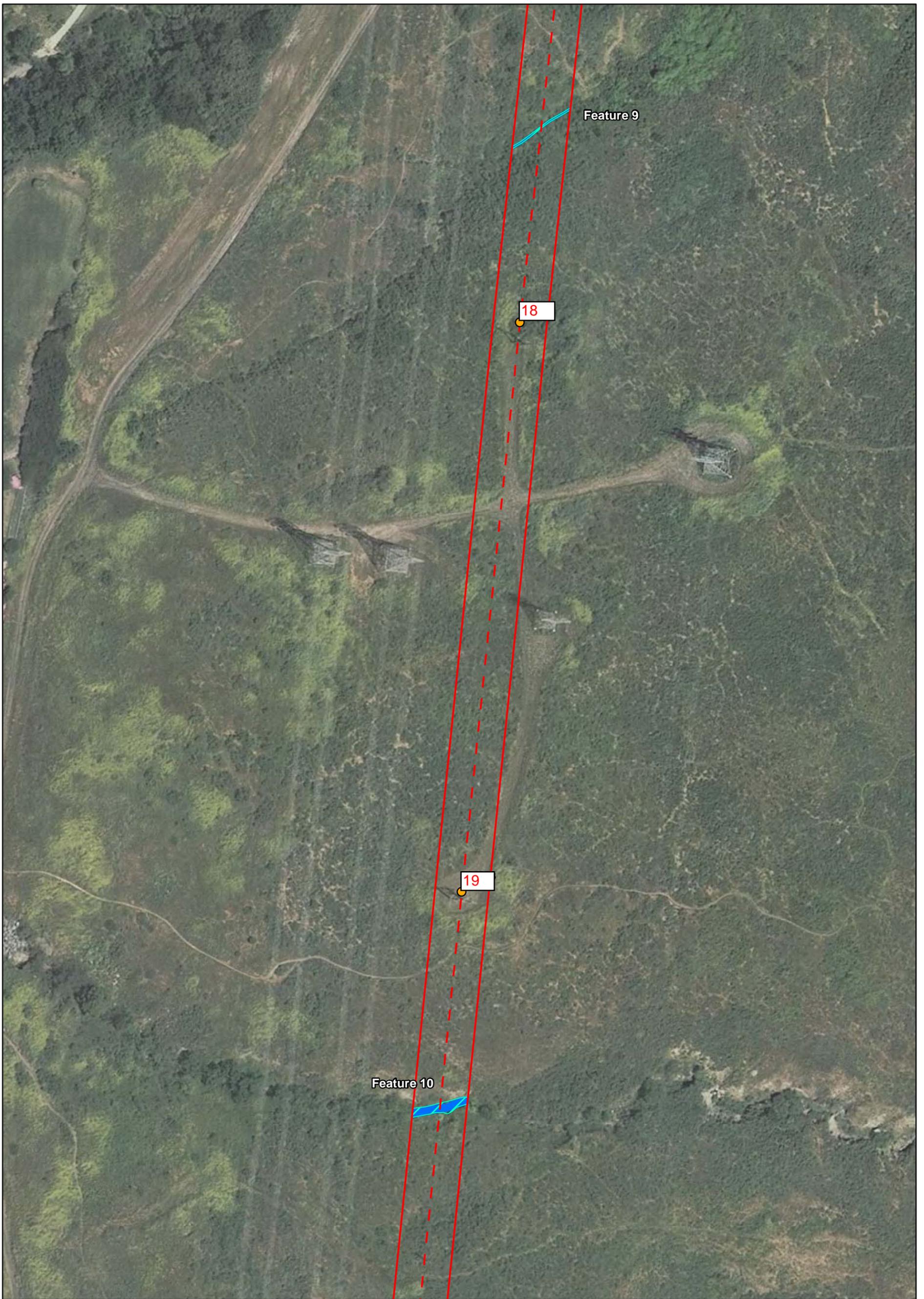


FIGURE 2
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TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



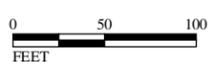
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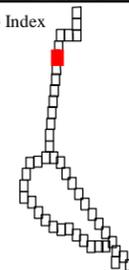


FIGURE 2
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TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



LSA

LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832

- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
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- Suitable Habitat
- Coastal Cactus Wren
 - Least Bell's Vireo/Southwestern Willow Flycatcher
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Map Index

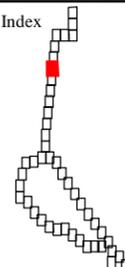
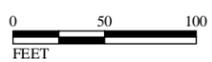


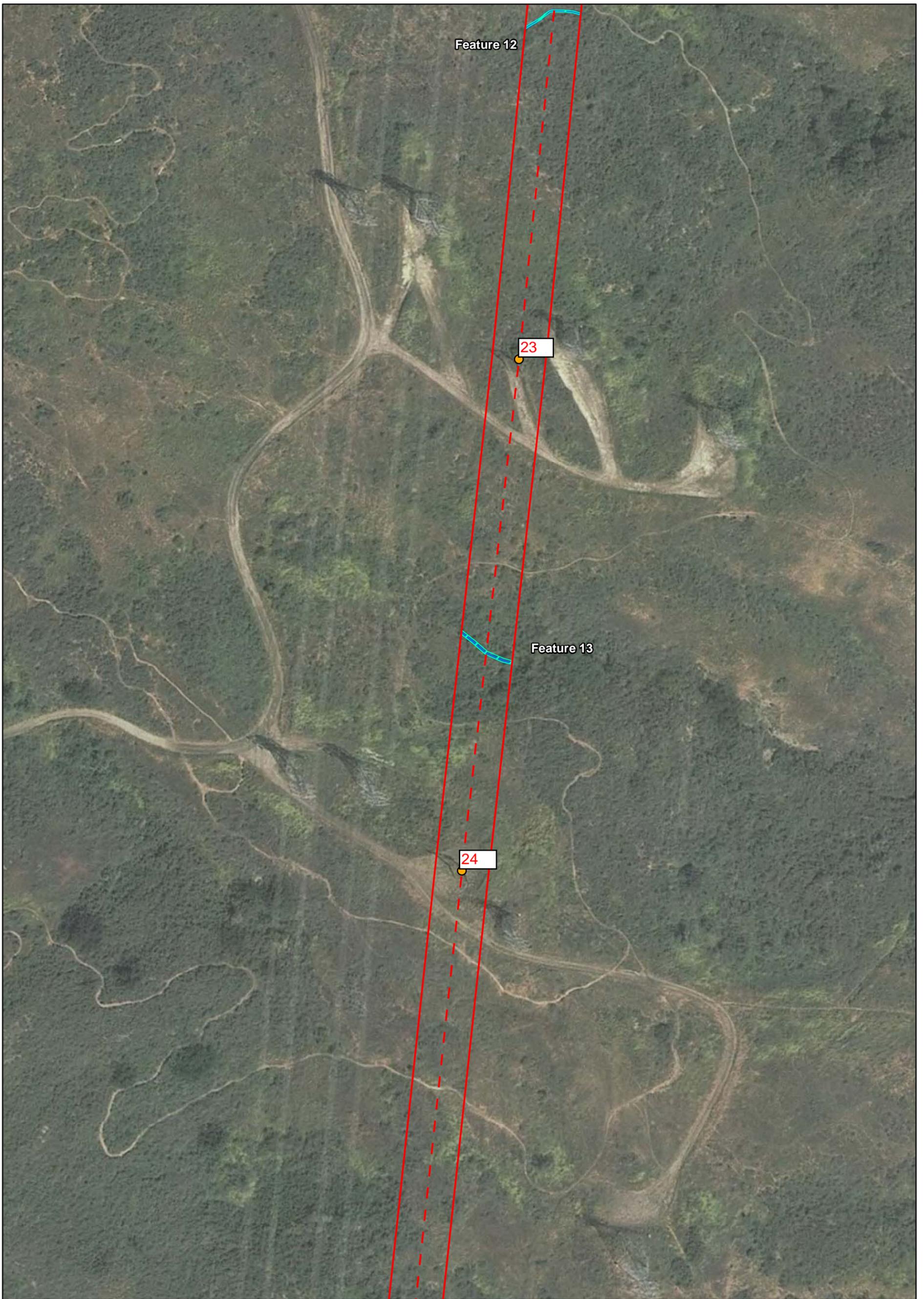
FIGURE 2
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TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



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LSA

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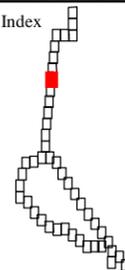


FIGURE 2
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*TL 695, Wood to Steel,
Camp Pendleton
Constraints Map*



LSA

LEGEND

- Pole Location
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- 30-foot Buffer of TL 695
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SOURCE: CPEN (2012); ICFI (2013)

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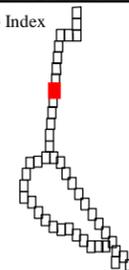


FIGURE 2

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TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



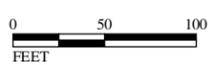
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LEGEND

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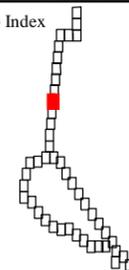


FIGURE 2
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TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



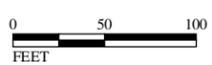
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SOURCE: CPEN (2012); ICFI (2013)

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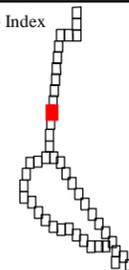


FIGURE 2
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TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



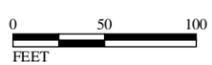
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LEGEND

- Pole Location
- TL695 Alignment
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SOURCE: CPEN (2012); ICFI (2013)

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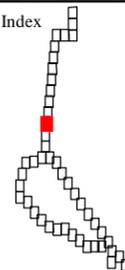
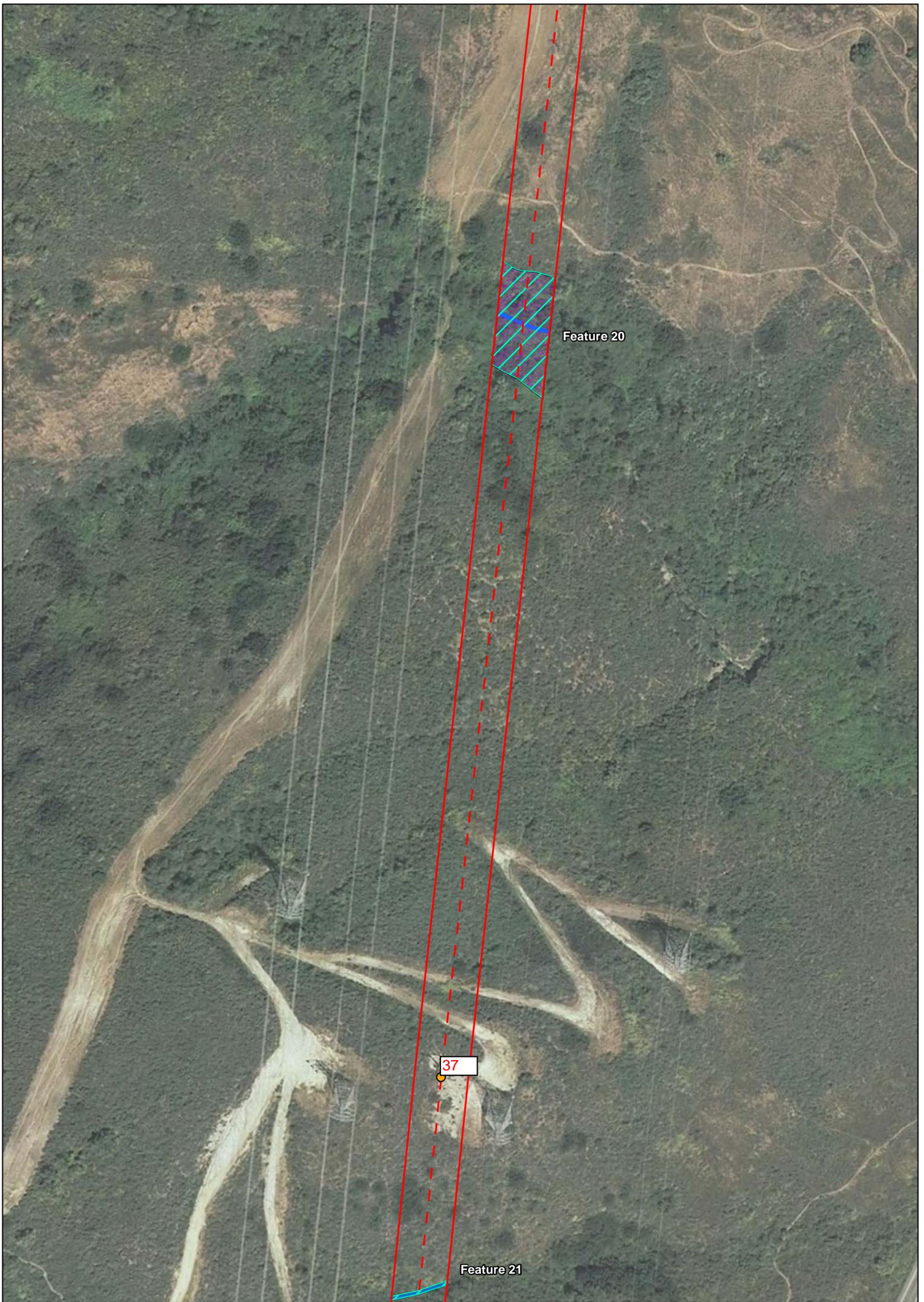


FIGURE 2

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TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



LSA

LEGEND

- | | | |
|----------------------------|---|---|
| Pole Location | Potential Waters of the United States | Suitable Habitat |
| TL695 Alignment | Potential Streambed/Banks and Riparian Vegetation | Coastal Cactus Wren |
| 30-foot Buffer of TL 695 | Seasonal Pond | Least Bell's Vireo/Southwestern Willow Flycatcher |
| TL13832 Alignment | | Pacific Pocket Mouse |
| 30-foot Buffer of TL 13832 | | |



SOURCE: CPEN (2012); ICFI (2013)

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Map Index

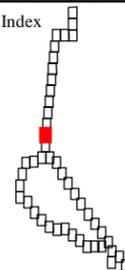


FIGURE 2

Sheet 14 of 46

TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



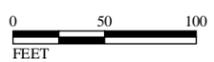
LSA

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Map Index

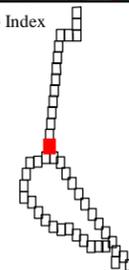
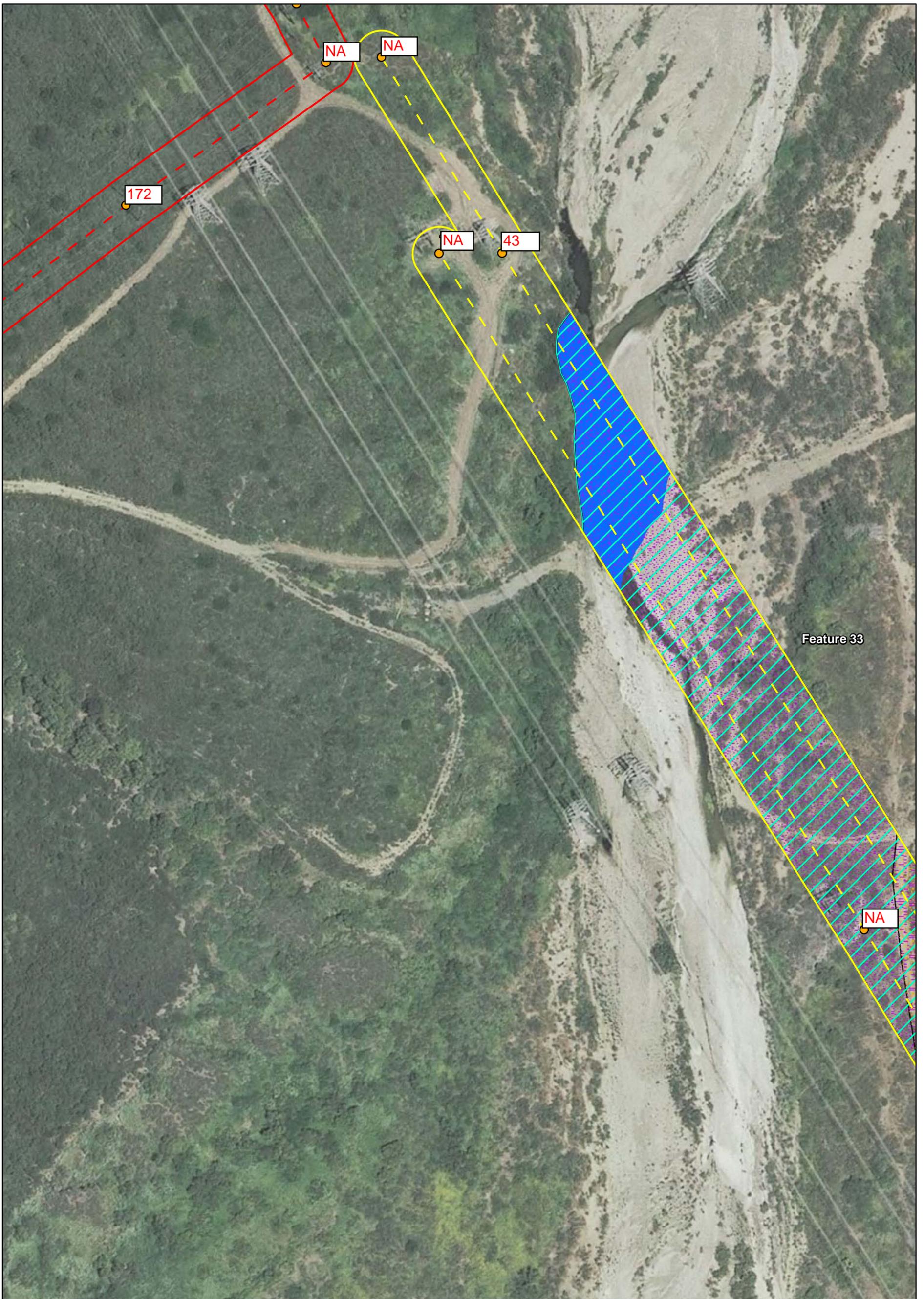


FIGURE 2
Sheet 15 of 46

TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



LSA

LEGEND

-  Pole Location
-  TL695 Alignment
-  30-foot Buffer of TL 695
-  TL13832 Alignment
-  30-foot Buffer of TL 13832
-  Potential Waters of the United States
-  Potential Streambed/Banks and Riparian Vegetation
-  Seasonal Pond
- Suitable Habitat**
-  Coastal Cactus Wren
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-  Pacific Pocket Mouse

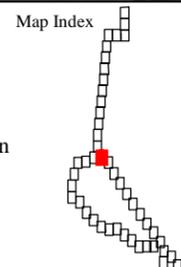
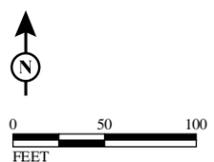


FIGURE 2
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TL 695, Wood to Steel,
Camp Pendleton
Constraints Map

SOURCE: CPEN (2012); ICFI (2013)
R:\SDGE_WOOD-TO-STEEL\SGE1301\GIS\ConstraintsMap.mxd (5/8/2013)



LSA

0 50 100
FEET

- LEGEND**
- Pole Location
 - TL695 Alignment
 - 30-foot Buffer of TL 695
 - TL13832 Alignment
 - 30-foot Buffer of TL 13832

- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond

- Suitable Habitat**
- Coastal Cactus Wren
 - Least Bell's Vireo/Southwestern Willow Flycatcher
 - Pacific Pocket Mouse

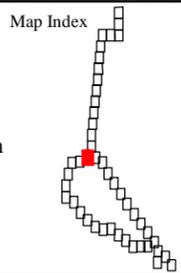
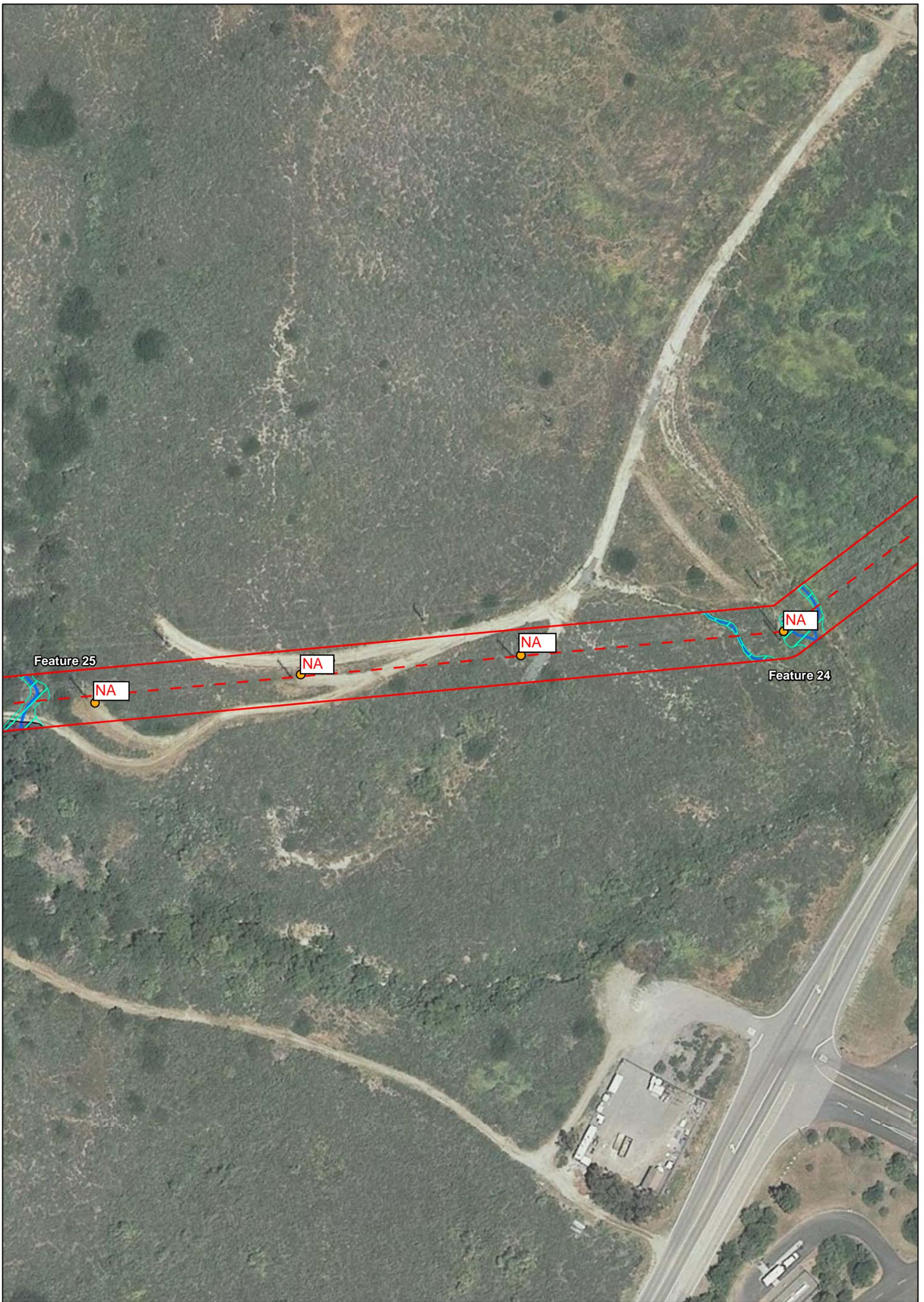


FIGURE 2
Sheet 17 of 46

*TL 695, Wood to Steel,
Camp Pendleton*
Constraints Map

SOURCE: CPEN (2012); ICFI (2013)
R:\SDGE_WOOD-TO-STEEL\SGE1301\GIS\ConstraintsMap.mxd (5/8/2013)



LSA

LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832

- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond

- Suitable Habitat
- Coastal Cactus Wren
 - Least Bell's Vireo/Southwestern Willow Flycatcher
 - Pacific Pocket Mouse



SOURCE: CPEN (2012); ICFI (2013)

R:\SDGE_WOOD-TO-STEEL\SGE1301\GIS\ConstraintsMap.mxd (5/8/2013)

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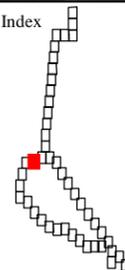
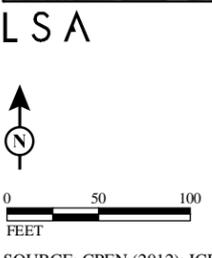


FIGURE 2
Sheet 18 of 46

TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



- LEGEND**
- Pole Location
 - - - TL695 Alignment
 - 30-foot Buffer of TL 695
 - - - TL13832 Alignment
 - 30-foot Buffer of TL 13832

- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond

- Suitable Habitat**
- Coastal Cactus Wren
 - Least Bell's Vireo/Southwestern Willow Flycatcher
 - Pacific Pocket Mouse

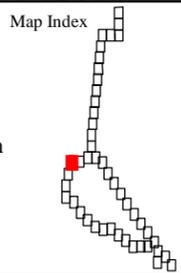


FIGURE 2
 Sheet 19 of 46

*TL 695, Wood to Steel,
 Camp Pendleton*
Constraints Map



LSA

LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832

- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond

- Suitable Habitat
- Coastal Cactus Wren
 - Least Bell's Vireo/Southwestern Willow Flycatcher
 - Pacific Pocket Mouse

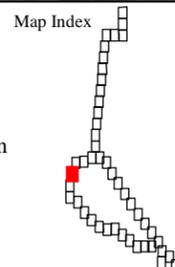
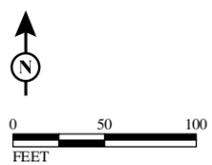
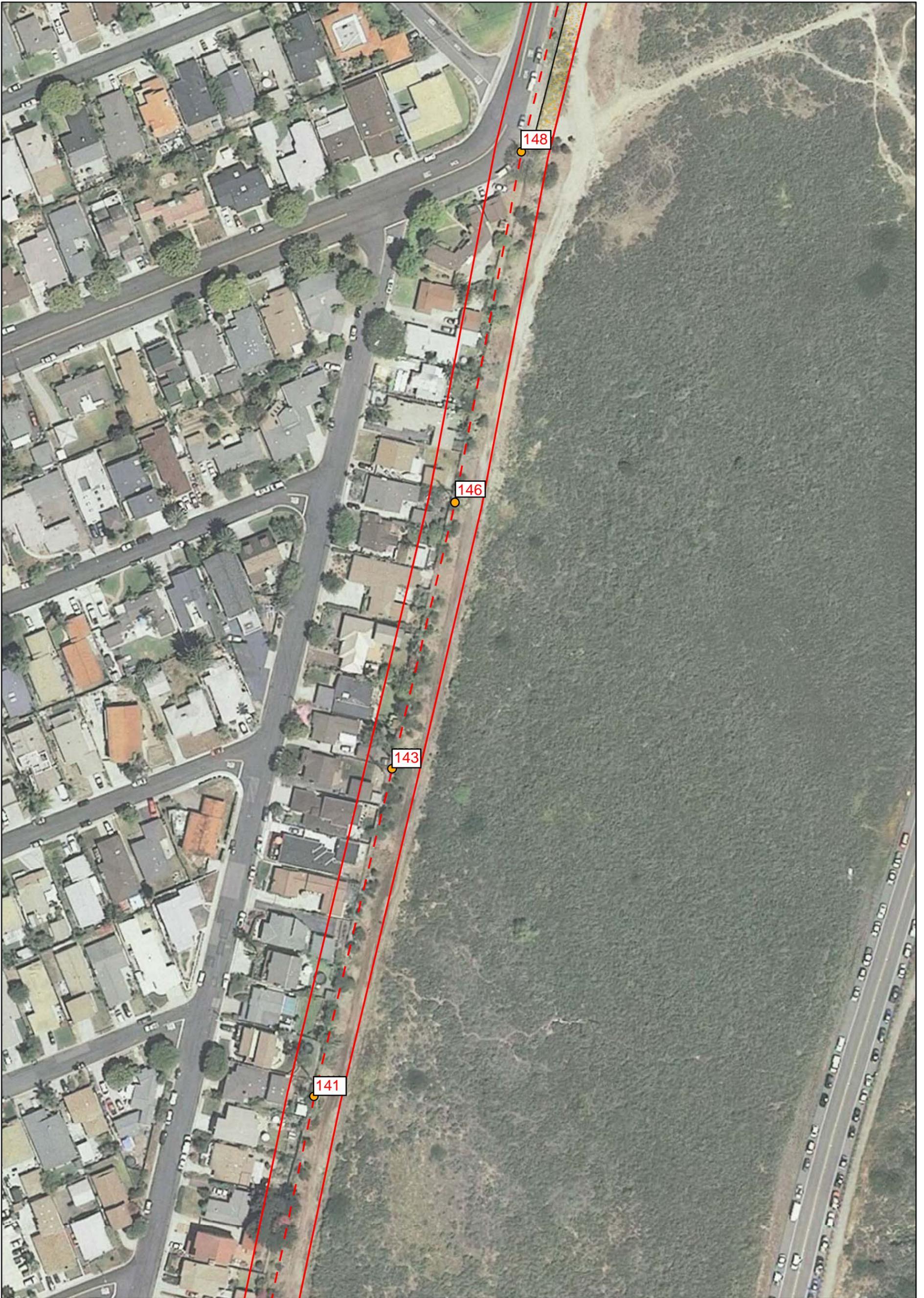


FIGURE 2
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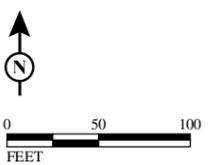
*TL 695, Wood to Steel,
Camp Pendleton
Constraints Map*



LSA

LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832
- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond
- Suitable Habitat
- Coastal Cactus Wren
- Least Bell's Vireo/Southwestern Willow Flycatcher
- Pacific Pocket Mouse



SOURCE: CPEN (2012); ICFI (2013)

R:\SDGE_WOOD-TO-STEEL\SGE1301\GIS\ConstraintsMap.mxd (5/8/2013)

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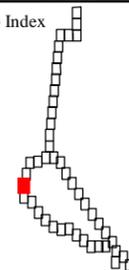
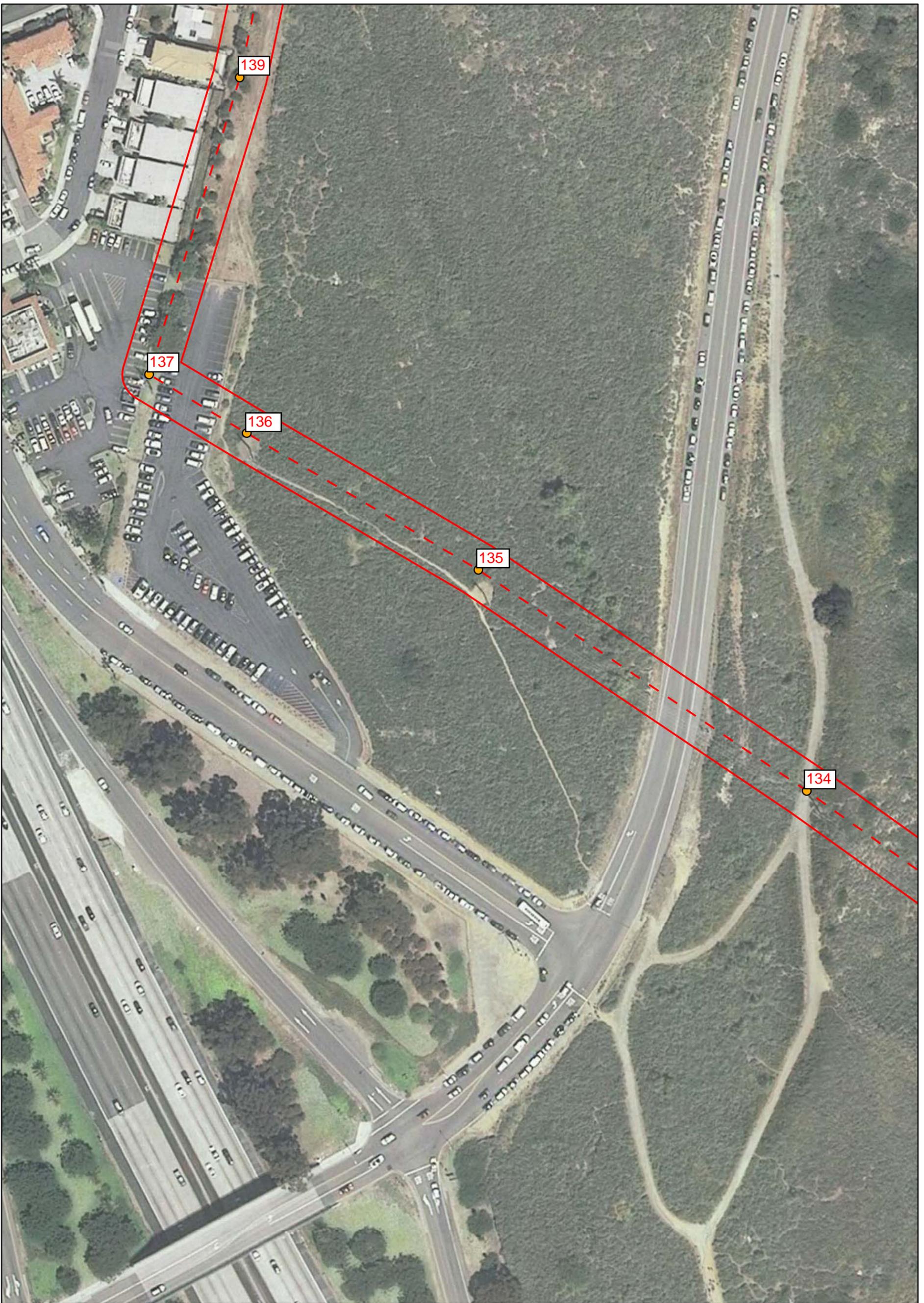


FIGURE 2
Sheet 21 of 46

TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



LSA

LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832

- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond

- Suitable Habitat
- Coastal Cactus Wren
 - Least Bell's Vireo/Southwestern Willow Flycatcher
 - Pacific Pocket Mouse

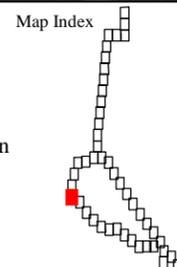
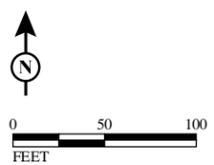


FIGURE 2
Sheet 22 of 46

TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



LSA

LEGEND

-  Pole Location
-  TL695 Alignment
-  30-foot Buffer of TL 695
-  TL13832 Alignment
-  30-foot Buffer of TL 13832
-  Potential Waters of the United States
-  Potential Streambed/Banks and Riparian Vegetation
-  Seasonal Pond
- Suitable Habitat**
-  Coastal Cactus Wren
-  Least Bell's Vireo/Southwestern Willow Flycatcher
-  Pacific Pocket Mouse

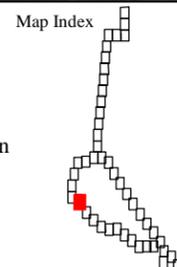
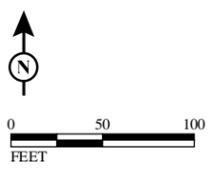
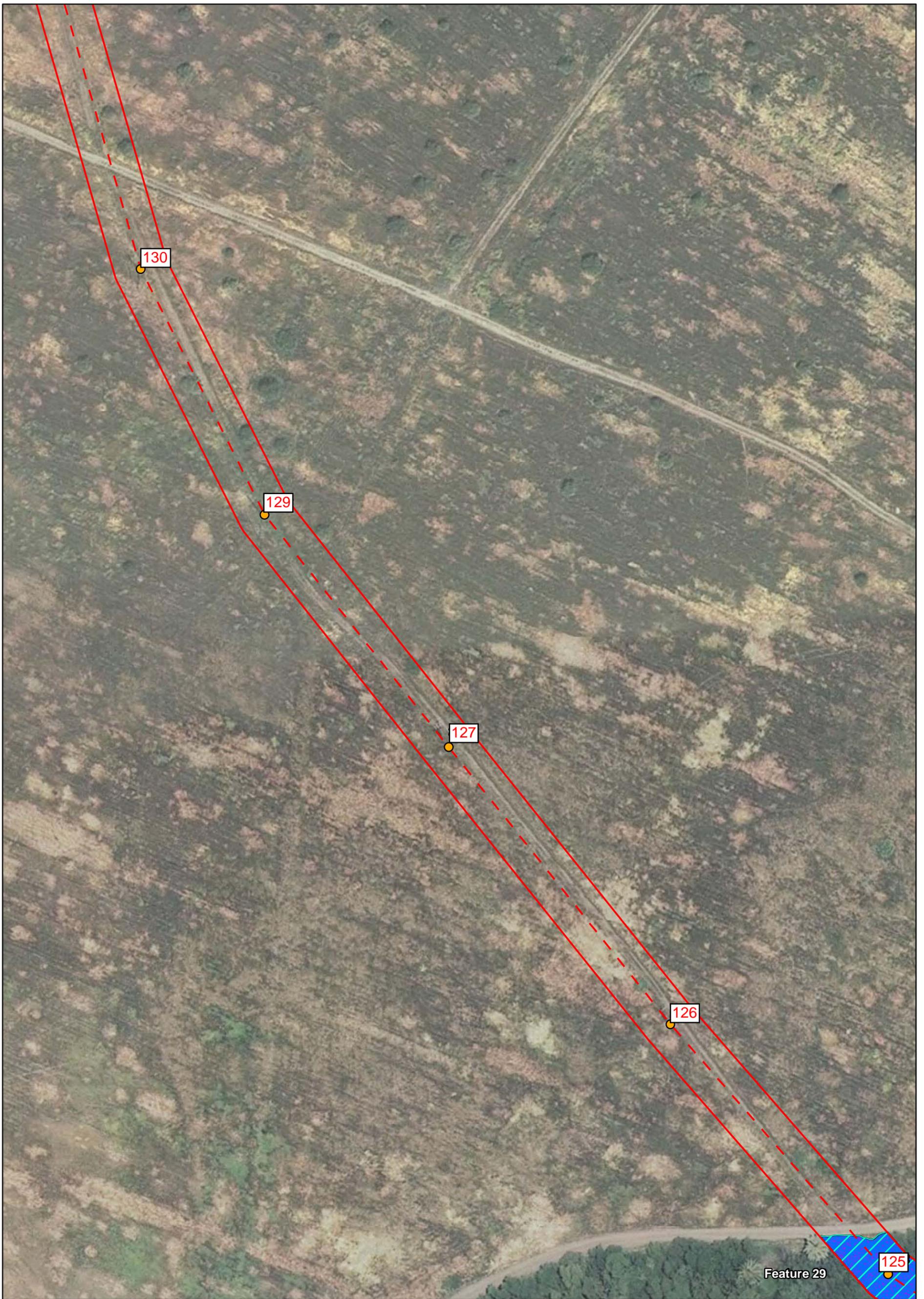


FIGURE 2
Sheet 23 of 46

TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



LSA

LEGEND

Pole Location	Potential Waters of the United States	Suitable Habitat
TL695 Alignment	Potential Streambed/Banks and Riparian Vegetation	Coastal Cactus Wren
30-foot Buffer of TL 695	Seasonal Pond	Least Bell's Vireo/Southwestern Willow Flycatcher
TL13832 Alignment		Pacific Pocket Mouse
30-foot Buffer of TL 13832		

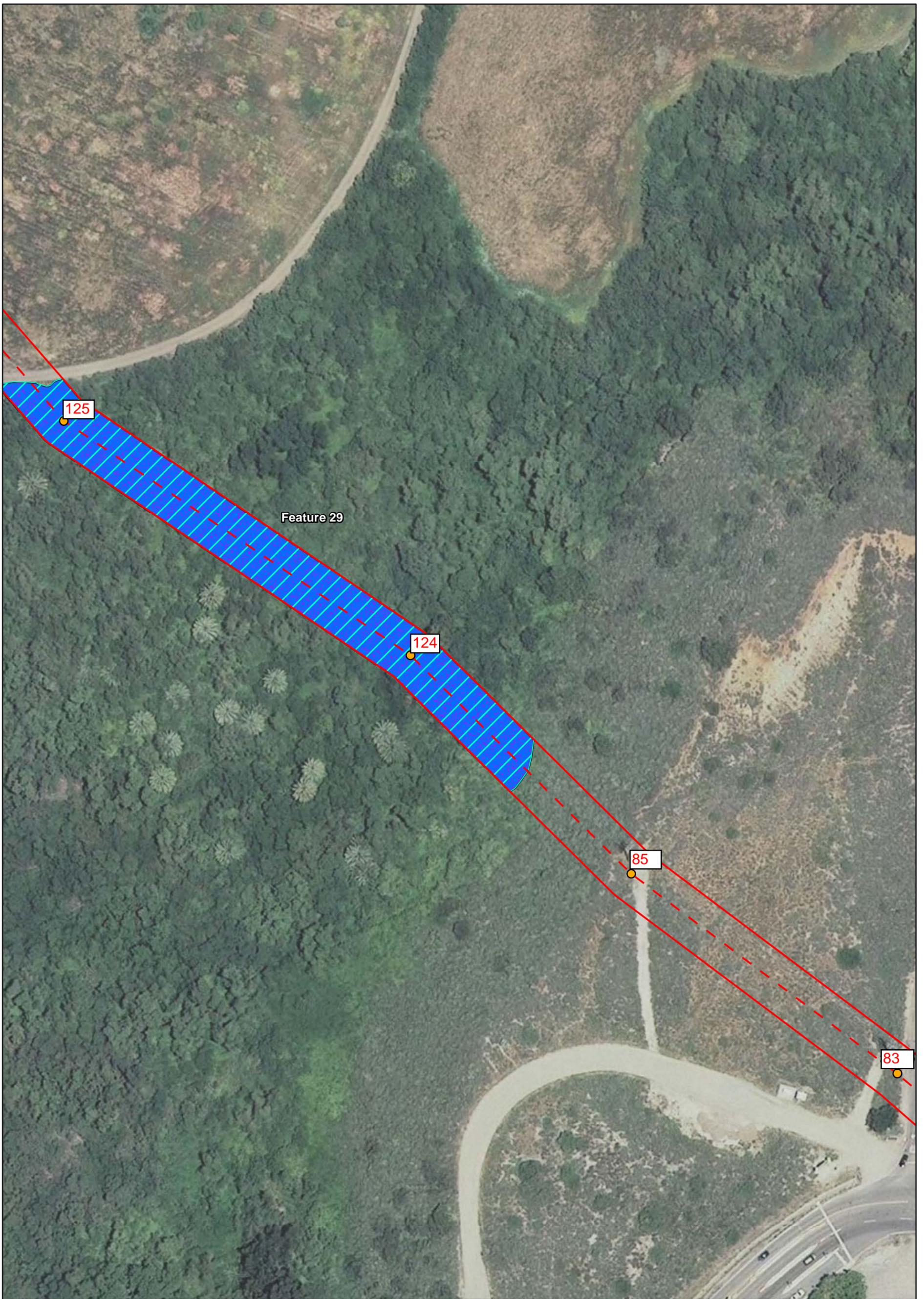
SOURCE: CPEN (2012); ICFI (2013)

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FIGURE 2
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TL 695, Wood to Steel, Camp Pendleton Constraints Map



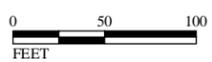
LSA

LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832

- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond

- Suitable Habitat
- Coastal Cactus Wren
 - Least Bell's Vireo/Southwestern Willow Flycatcher
 - Pacific Pocket Mouse



SOURCE: CPEN (2012); ICFI (2013)

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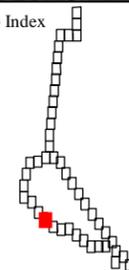
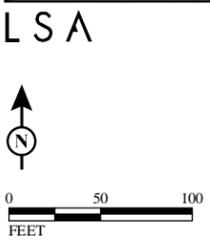
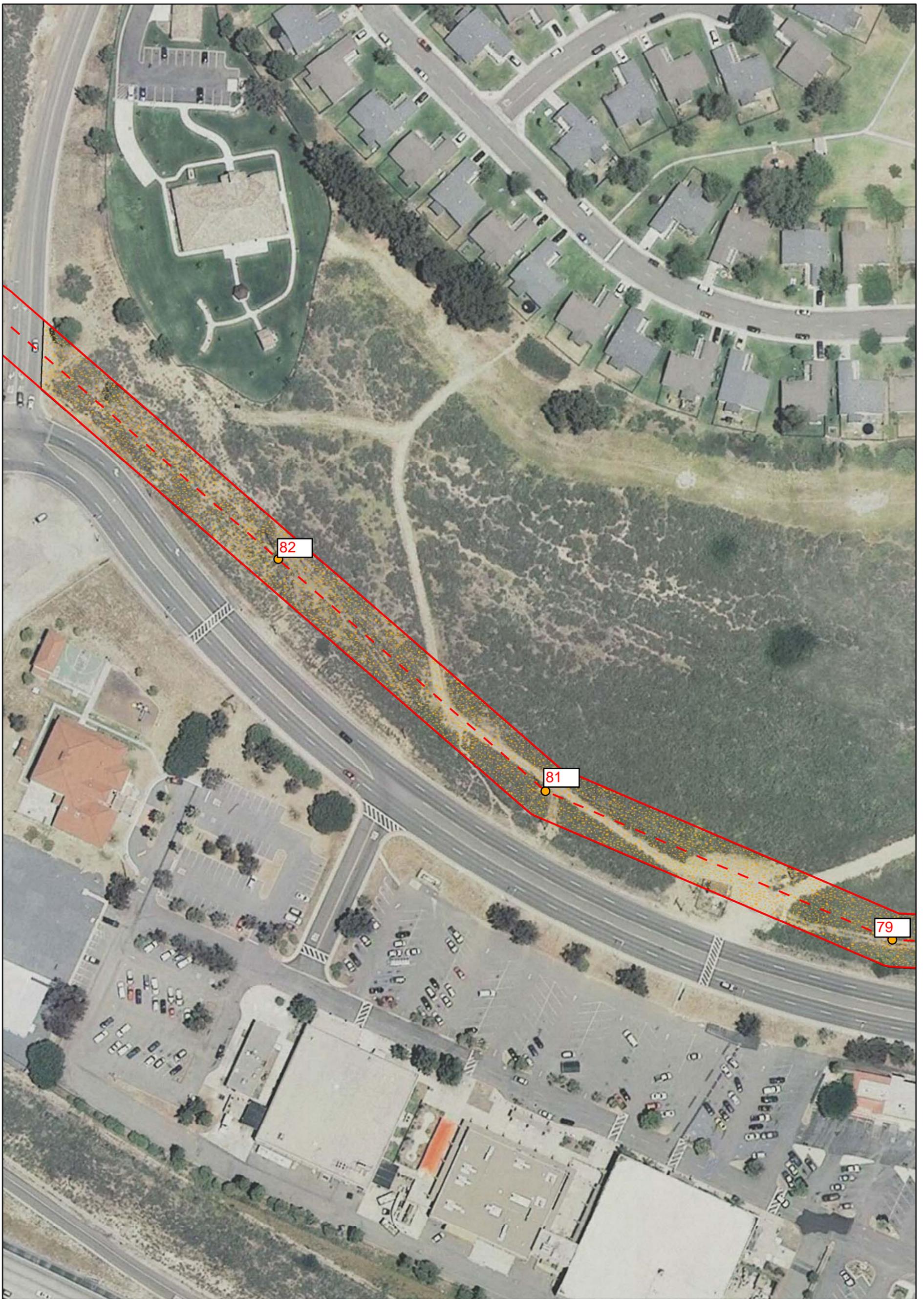


FIGURE 2

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TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



LEGEND

- Pole Location
- - TL695 Alignment
- 30-foot Buffer of TL 695
- - TL13832 Alignment
- 30-foot Buffer of TL 13832

- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond

- Suitable Habitat
- Coastal Cactus Wren
 - Least Bell's Vireo/Southwestern Willow Flycatcher
 - Pacific Pocket Mouse

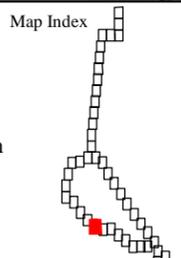
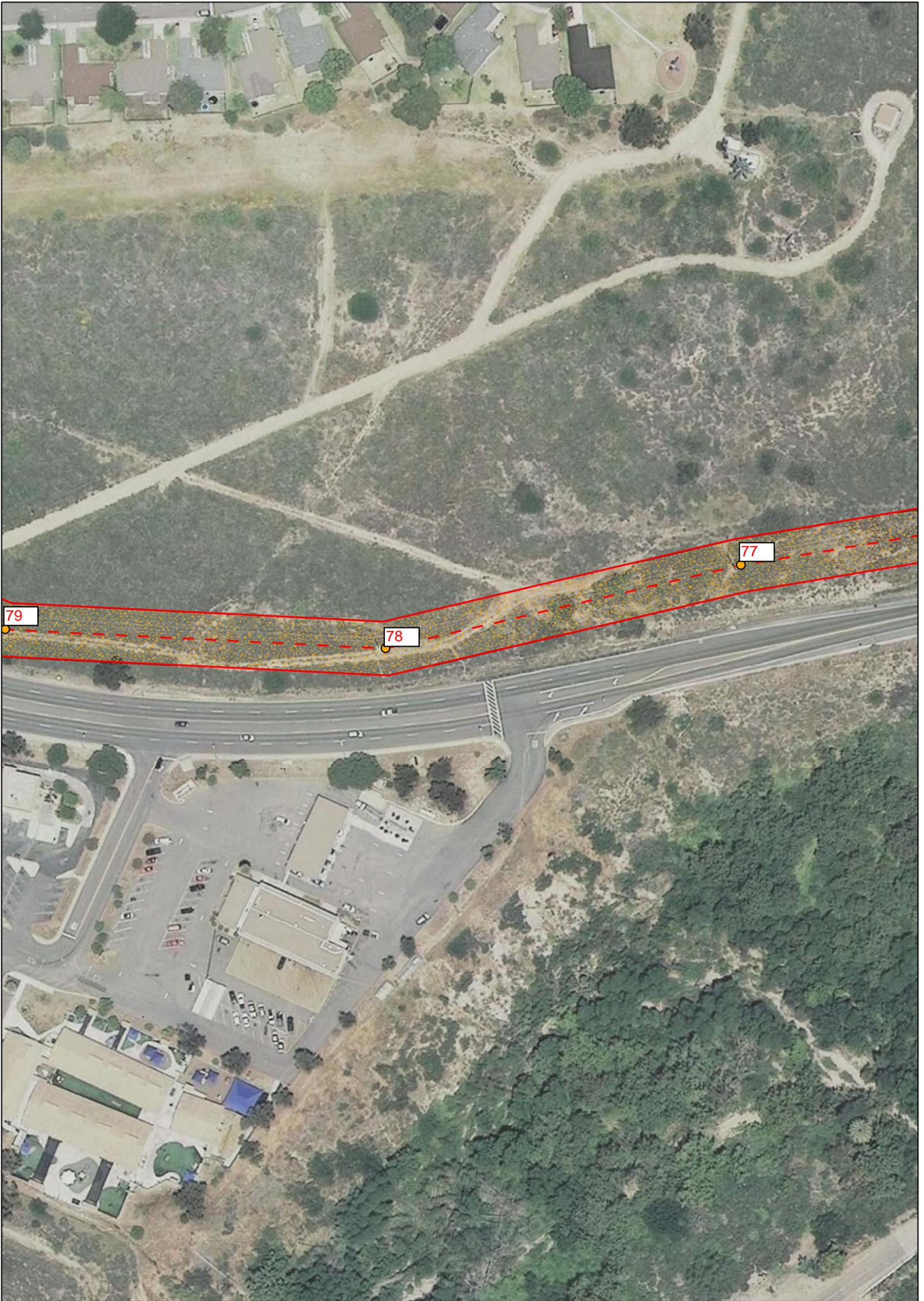


FIGURE 2
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TL 695, Wood to Steel,
Camp Pendleton
Constraints Map

SOURCE: CPEN (2012); ICFI (2013)
R:\SDGE_WOOD-TO-STEEL\SGE1301\GIS\ConstraintsMap.mxd (5/8/2013)



LSA

LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832

- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond

- Suitable Habitat
- Coastal Cactus Wren
 - Least Bell's Vireo/Southwestern Willow Flycatcher
 - Pacific Pocket Mouse

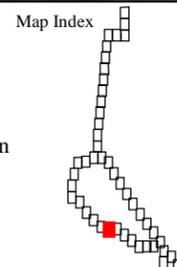
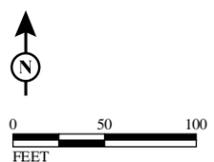


FIGURE 2
Sheet 27 of 46

TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



LSA

LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832

- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond

- Suitable Habitat
- Coastal Cactus Wren
 - Least Bell's Vireo/Southwestern Willow Flycatcher
 - Pacific Pocket Mouse

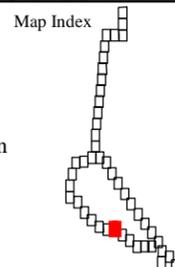
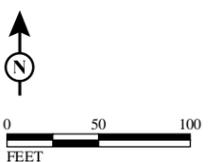
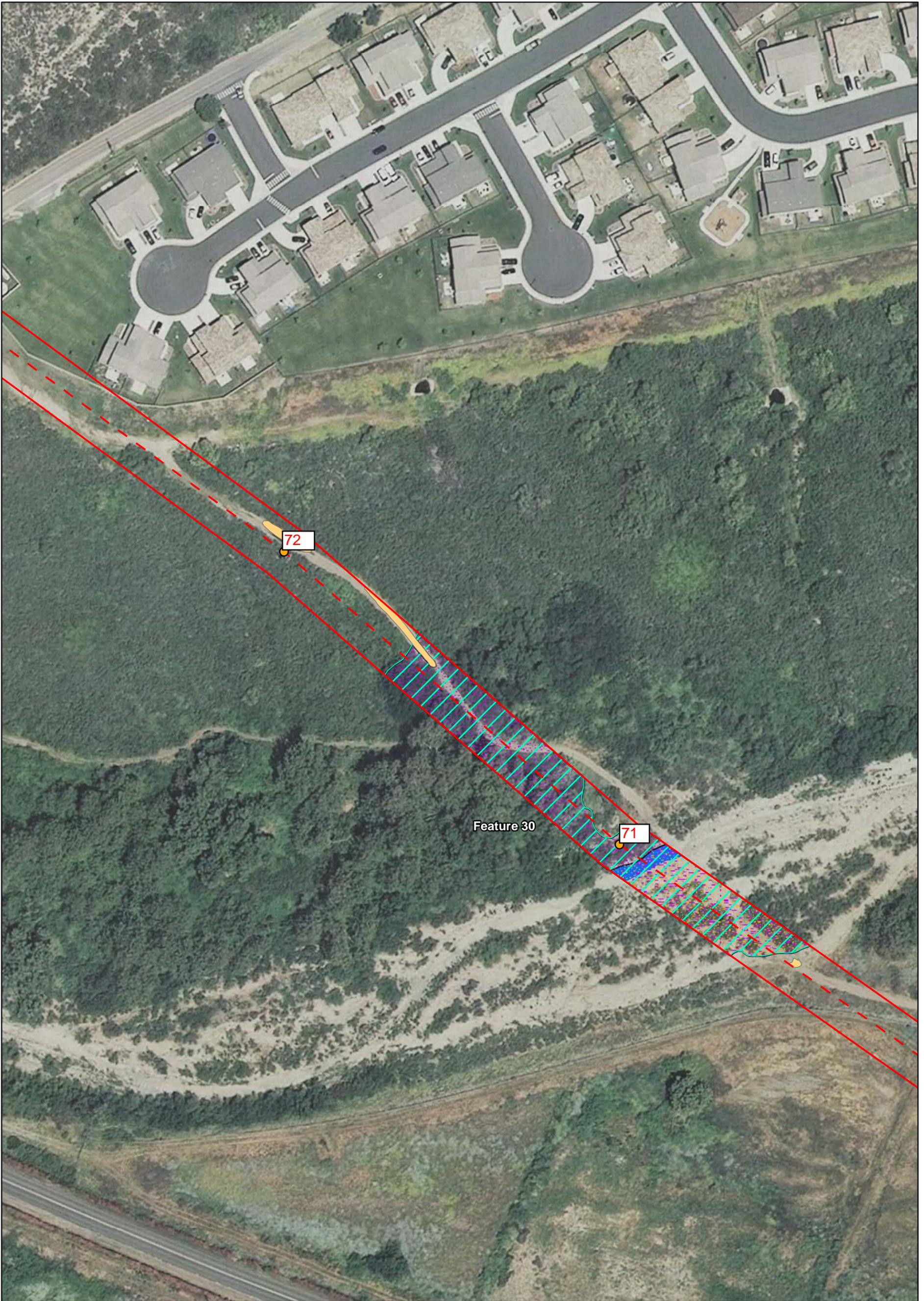


FIGURE 2
Sheet 28 of 46

TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



LSA

LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832
- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond
- Suitable Habitat**
- Coastal Cactus Wren
- Least Bell's Vireo/Southwestern Willow Flycatcher
- Pacific Pocket Mouse

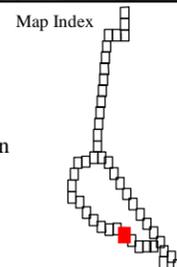
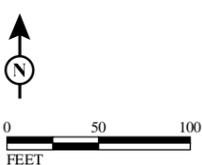


FIGURE 2
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TL 695, Wood to Steel,
Camp Pendleton
Constraints Map

SOURCE: CPEN (2012); ICFI (2013)
R:\SDGE_WOOD-TO-STEEL\SGE1301\GIS\ConstraintsMap.mxd (5/8/2013)



LSA

0 50 100
FEET

LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832

- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond

Suitable Habitat

- Coastal Cactus Wren
- Least Bell's Vireo/Southwestern Willow Flycatcher
- Pacific Pocket Mouse

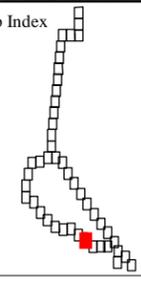


FIGURE 2
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TL 695, Wood to Steel,
Camp Pendleton
Constraints Map

SOURCE: CPEN (2012); ICFI (2013)
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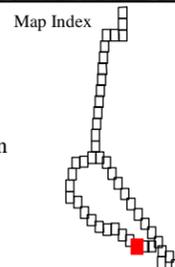
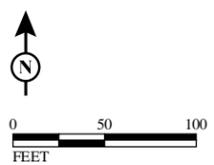
LSA

LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832

- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond

- Suitable Habitat
- Coastal Cactus Wren
 - Least Bell's Vireo/Southwestern Willow Flycatcher
 - Pacific Pocket Mouse



SOURCE: CPEN (2012); ICFI (2013)

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FIGURE 2
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TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



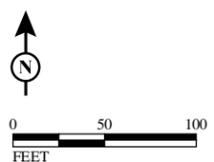
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LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832

- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond

- Suitable Habitat
- Coastal Cactus Wren
 - Least Bell's Vireo/Southwestern Willow Flycatcher
 - Pacific Pocket Mouse



Map Index

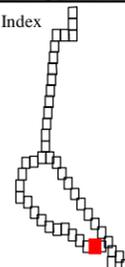
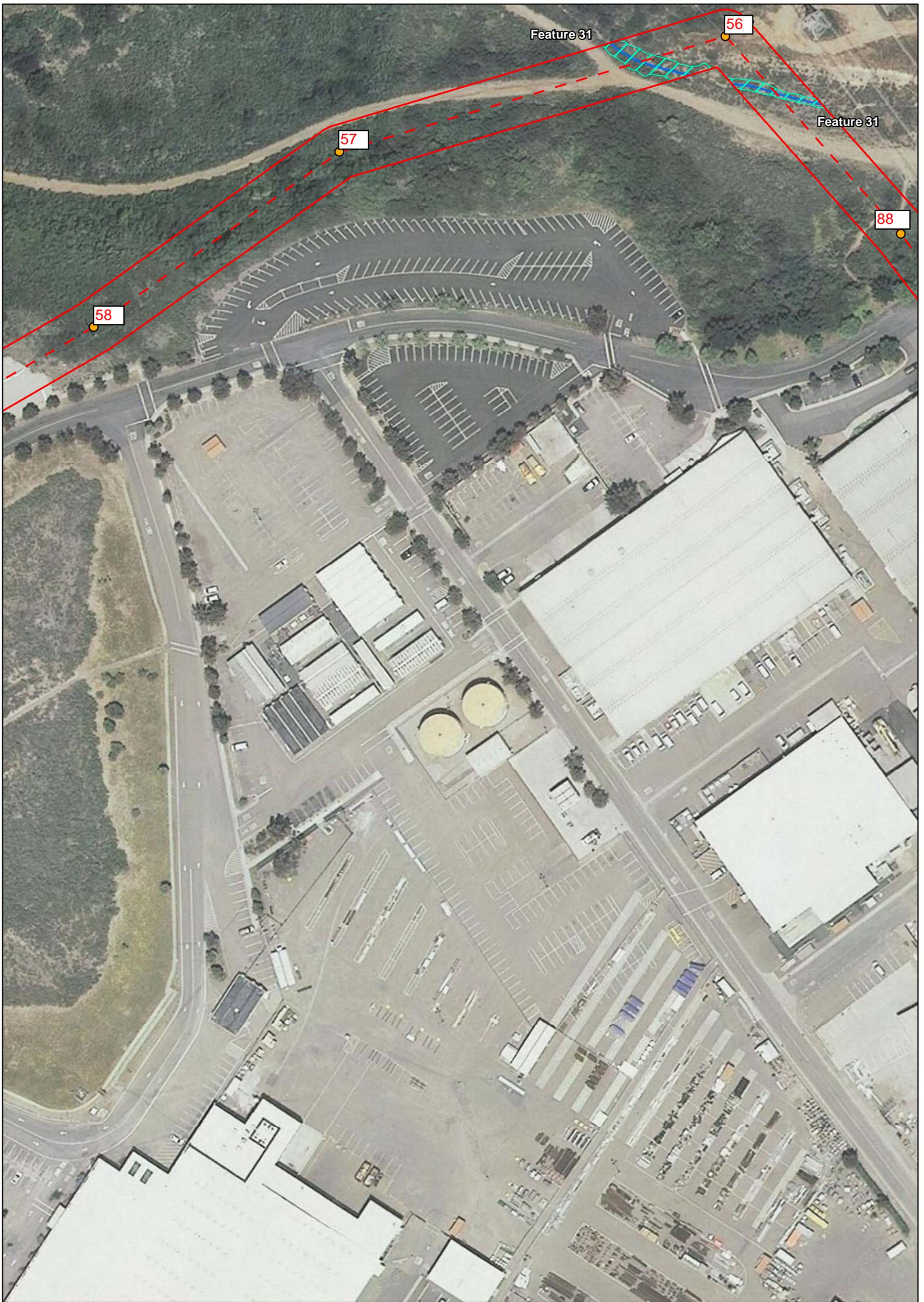


FIGURE 2
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TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



LSA

LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832
- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond
- Suitable Habitat
- Coastal Cactus Wren
- Least Bell's Vireo/Southwestern Willow Flycatcher
- Pacific Pocket Mouse



SOURCE: CPEN (2012); ICFI (2013)

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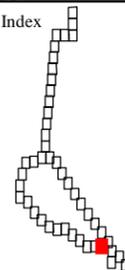
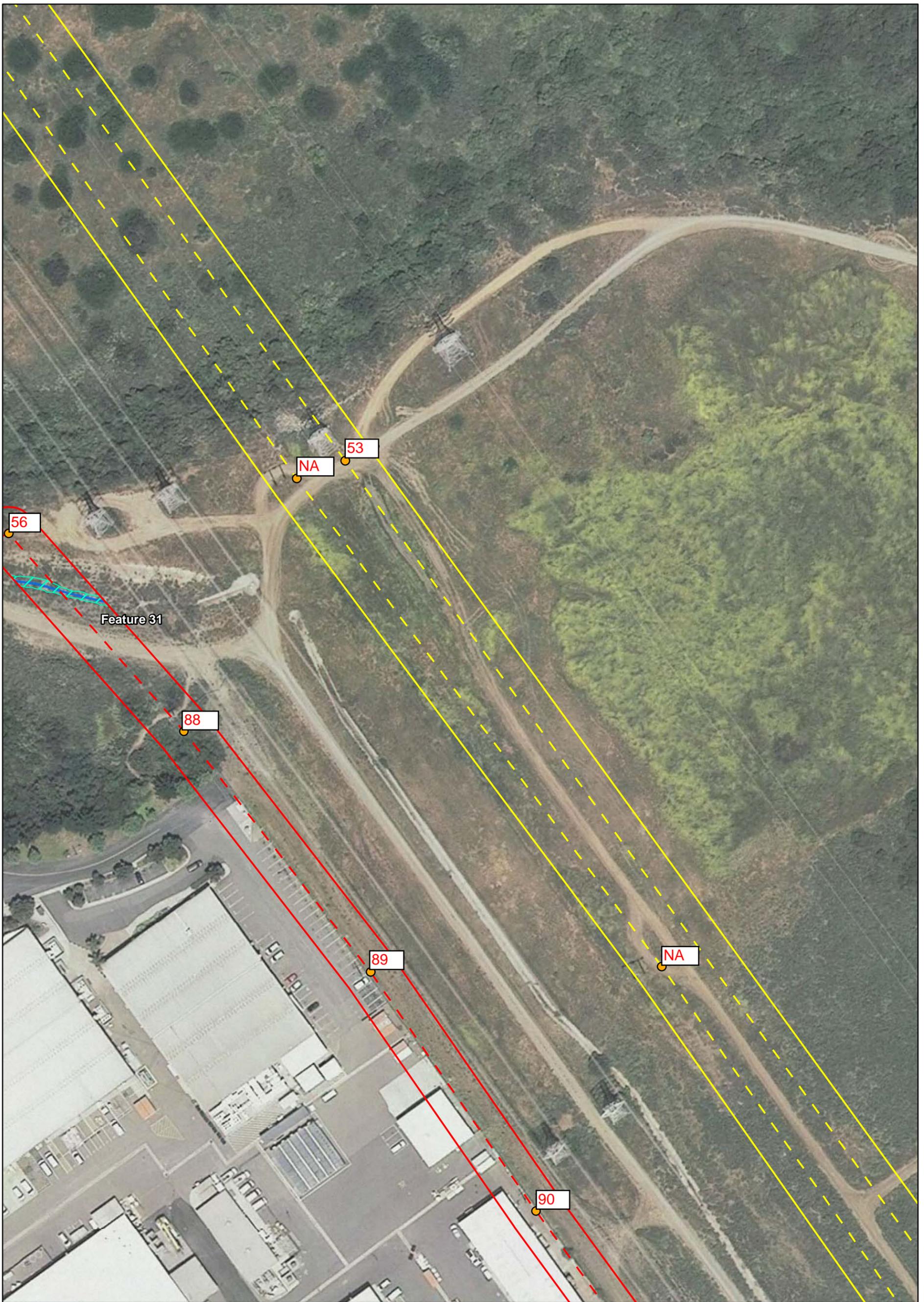


FIGURE 2
Sheet 33 of 46

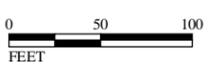
TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



LSA

LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832
- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond
- Suitable Habitat**
- Coastal Cactus Wren
- Least Bell's Vireo/Southwestern Willow Flycatcher
- Pacific Pocket Mouse



SOURCE: CPEN (2012); ICFI (2013)

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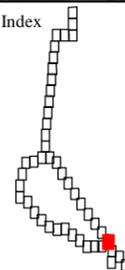


FIGURE 2
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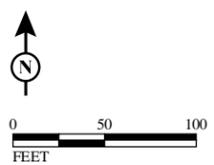
TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



LSA

LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832
- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond
- Suitable Habitat**
- Coastal Cactus Wren
- Least Bell's Vireo/Southwestern Willow Flycatcher
- Pacific Pocket Mouse



Map Index

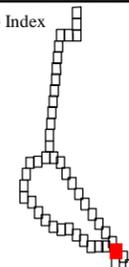
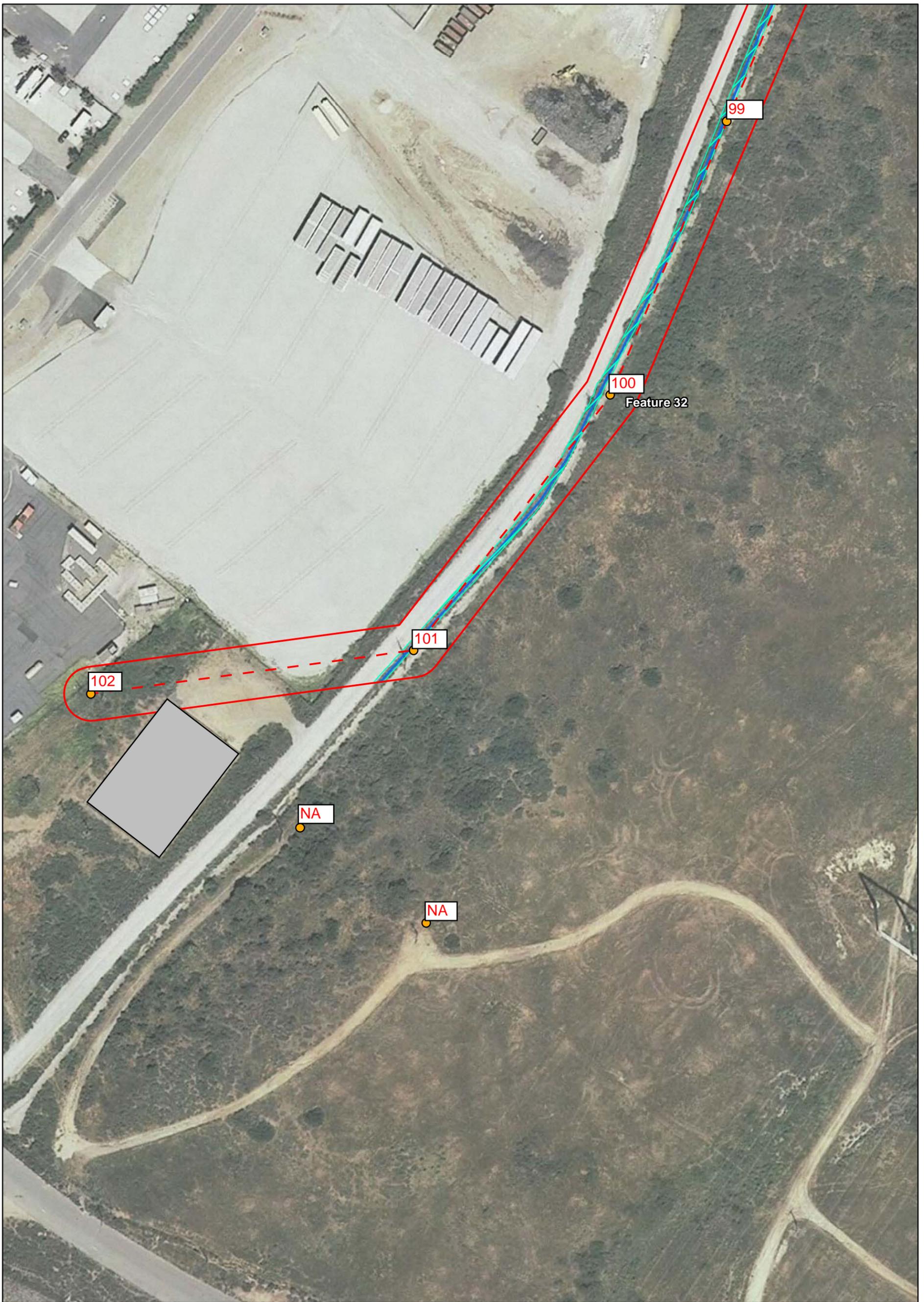


FIGURE 2
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TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



LSA

LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832

- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond

- Suitable Habitat
- Coastal Cactus Wren
 - Least Bell's Vireo/Southwestern Willow Flycatcher
 - Pacific Pocket Mouse

Map Index

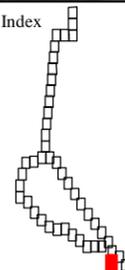
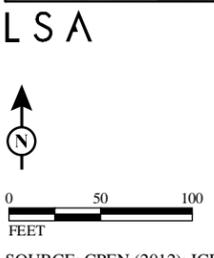
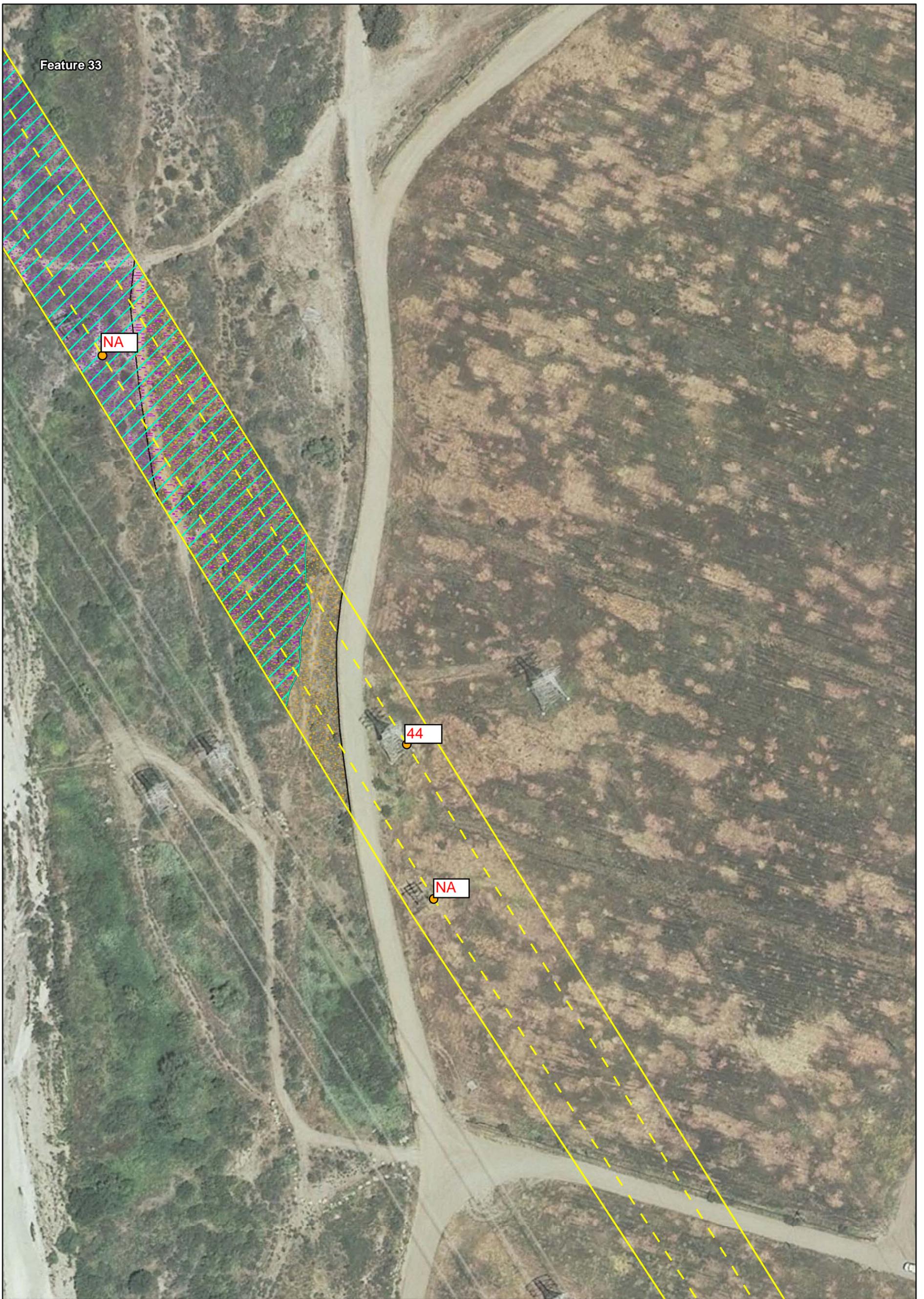


FIGURE 2
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TL 695, Wood to Steel,
Camp Pendleton
Constraints Map

SOURCE: CPEN (2012); ICFI (2013)

R:\SDGE_WOOD-TO-STEEL\SGE1301\GIS\ConstraintsMap.mxd (5/8/2013)



LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832

- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond

- Suitable Habitat
- Coastal Cactus Wren
 - Least Bell's Vireo/Southwestern Willow Flycatcher
 - Pacific Pocket Mouse

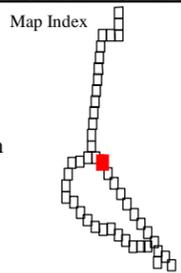


FIGURE 2
Sheet 37 of 46

TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



LSA

LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832

- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond

- Suitable Habitat
- Coastal Cactus Wren
 - Least Bell's Vireo/Southwestern Willow Flycatcher
 - Pacific Pocket Mouse

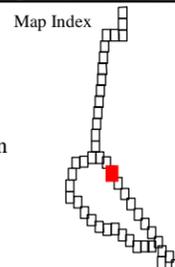
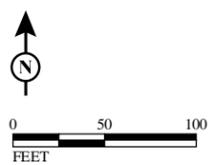


FIGURE 2
Sheet 38 of 46

TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



LSA

LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832

- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond

- Suitable Habitat
- Coastal Cactus Wren
 - Least Bell's Vireo/Southwestern Willow Flycatcher
 - Pacific Pocket Mouse

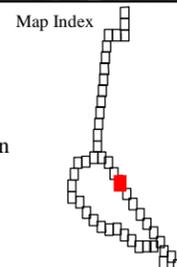
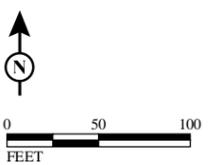
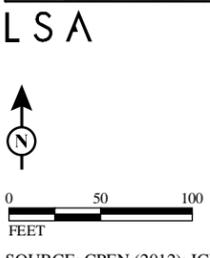


FIGURE 2
Sheet 39 of 46

TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832

- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond

- Suitable Habitat
- Coastal Cactus Wren
 - Least Bell's Vireo/Southwestern Willow Flycatcher
 - Pacific Pocket Mouse

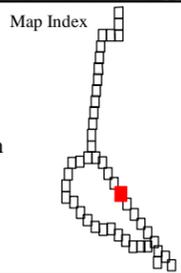
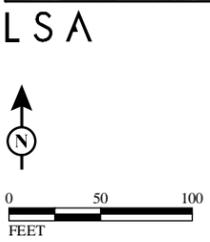


FIGURE 2
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TL 695, Wood to Steel,
Camp Pendleton
Constraints Map

SOURCE: CPEN (2012); ICFI (2013)
R:\SDGE_WOOD-TO-STEEL\SGE1301\GIS\ConstraintsMap.mxd (5/8/2013)



LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832

- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond

- Suitable Habitat
- Coastal Cactus Wren
 - Least Bell's Vireo/Southwestern Willow Flycatcher
 - Pacific Pocket Mouse

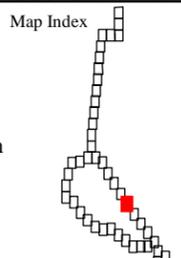
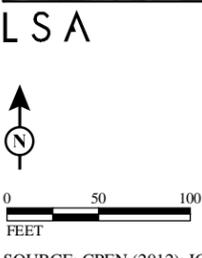


FIGURE 2
 Sheet 41 of 46

TL 695, Wood to Steel,
 Camp Pendleton
 Constraints Map



LEGEND

Pole Location	Potential Waters of the United States
TL695 Alignment	Potential Streambed/Banks and Riparian Vegetation
30-foot Buffer of TL 695	Seasonal Pond
TL13832 Alignment	
30-foot Buffer of TL 13832	

Coastal Cactus Wren
Least Bell's Vireo/Southwestern Willow Flycatcher
Pacific Pocket Mouse

Suitable Habitat

Coastal Cactus Wren
Least Bell's Vireo/Southwestern Willow Flycatcher
Pacific Pocket Mouse

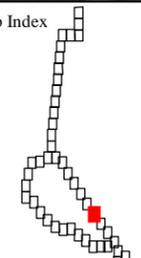


FIGURE 2
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TL 695, Wood to Steel, Camp Pendleton
Constraints Map



LSA

0 50 100
FEET

SOURCE: CPEN (2012); ICFI (2013)

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LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832

- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond

- Suitable Habitat
- Coastal Cactus Wren
 - Least Bell's Vireo/Southwestern Willow Flycatcher
 - Pacific Pocket Mouse

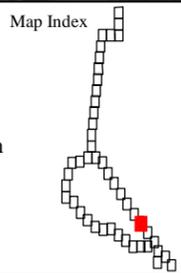


FIGURE 2
Sheet 43 of 46

TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



LSA

LEGEND

- | | | |
|----------------------------|---|---|
| Pole Location | Potential Waters of the United States | Suitable Habitat |
| TL695 Alignment | Potential Streambed/Banks and Riparian Vegetation | Coastal Cactus Wren |
| 30-foot Buffer of TL 695 | Seasonal Pond | Least Bell's Vireo/Southwestern Willow Flycatcher |
| TL13832 Alignment | | Pacific Pocket Mouse |
| 30-foot Buffer of TL 13832 | | |



SOURCE: CPEN (2012); ICFI (2013)

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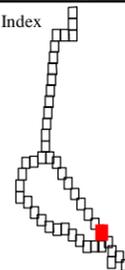


FIGURE 2

Sheet 44 of 46

TL 695, Wood to Steel,
Camp Pendleton
Constraints Map



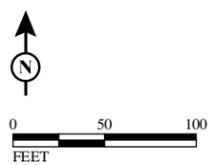
LSA

LEGEND

- Pole Location
- TL695 Alignment
- 30-foot Buffer of TL 695
- TL13832 Alignment
- 30-foot Buffer of TL 13832

- Potential Waters of the United States
- Potential Streambed/Banks and Riparian Vegetation
- Seasonal Pond

- Suitable Habitat
- Coastal Cactus Wren
 - Least Bell's Vireo/Southwestern Willow Flycatcher
 - Pacific Pocket Mouse



Map Index

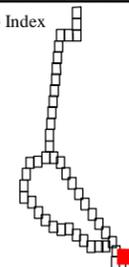


FIGURE 2
Sheet 45 of 46

TL 695, Wood to Steel,
Camp Pendleton
Constraints Map

SOURCE: CPEN (2012); ICFI (2013)

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LSA

LEGEND

Pole Location	Potential Waters of the United States	Suitable Habitat
TL695 Alignment	Potential Streambed/Banks and Riparian Vegetation	Coastal Cactus Wren
30-foot Buffer of TL 695	Seasonal Pond	Least Bell's Vireo/Southwestern Willow Flycatcher
TL13832 Alignment		Pacific Pocket Mouse
30-foot Buffer of TL 13832		

0 50 100
FEET

SOURCE: CPEN (2012); ICFI (2013)

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Map Index

FIGURE 2
Sheet 46 of 46

TL 695, Wood to Steel, Camp Pendleton
Constraints Map