

**RECLAMATION DISTRICT NO. 2119
WRIGHT-ELMWOOD TRACT
BOARD OF TRUSTEES MEETING
WEDNESDAY, SEPTEMBER 22, 2021
1:30 A.M.
ENGINEER'S REPORT**

II. LOWER SAN JOAQUIN RIVER FEASIBILITY STUDY (LSJRFS)

- A. Review 95% Drawings for 10 Mile Slough Cut-Off wall construction and levee setback by the USACE. Discuss landowner permission to remove vegetation off of the levee and temporary access for the removal of vegetation. Review ultimate setback of 10 Mile Slough Levee along with a request for alternate access through the middle of the District vs maintained access along the 10 Mile Slough Levee during construction

EXHIBIT A: Preliminary Project Footprint

EXHIBIT B: Tree Survey and tree list.

EXHIBIT C: Right of Entry Documentation for Private Property Owner to clear trees and ultimately to set levee waterward towards Wright – Elmwood Tract.

EXHIBIT D: Real Estate Mapping.

EXHIBIT E: Request for thru District Construction Access with request to keep electronic gate Open during the daylight hours.

EXHIBIT F: 95% Construction Drawings (UNDER SEPARATE COVER)

Exhibit A

Preliminary Project Footprint



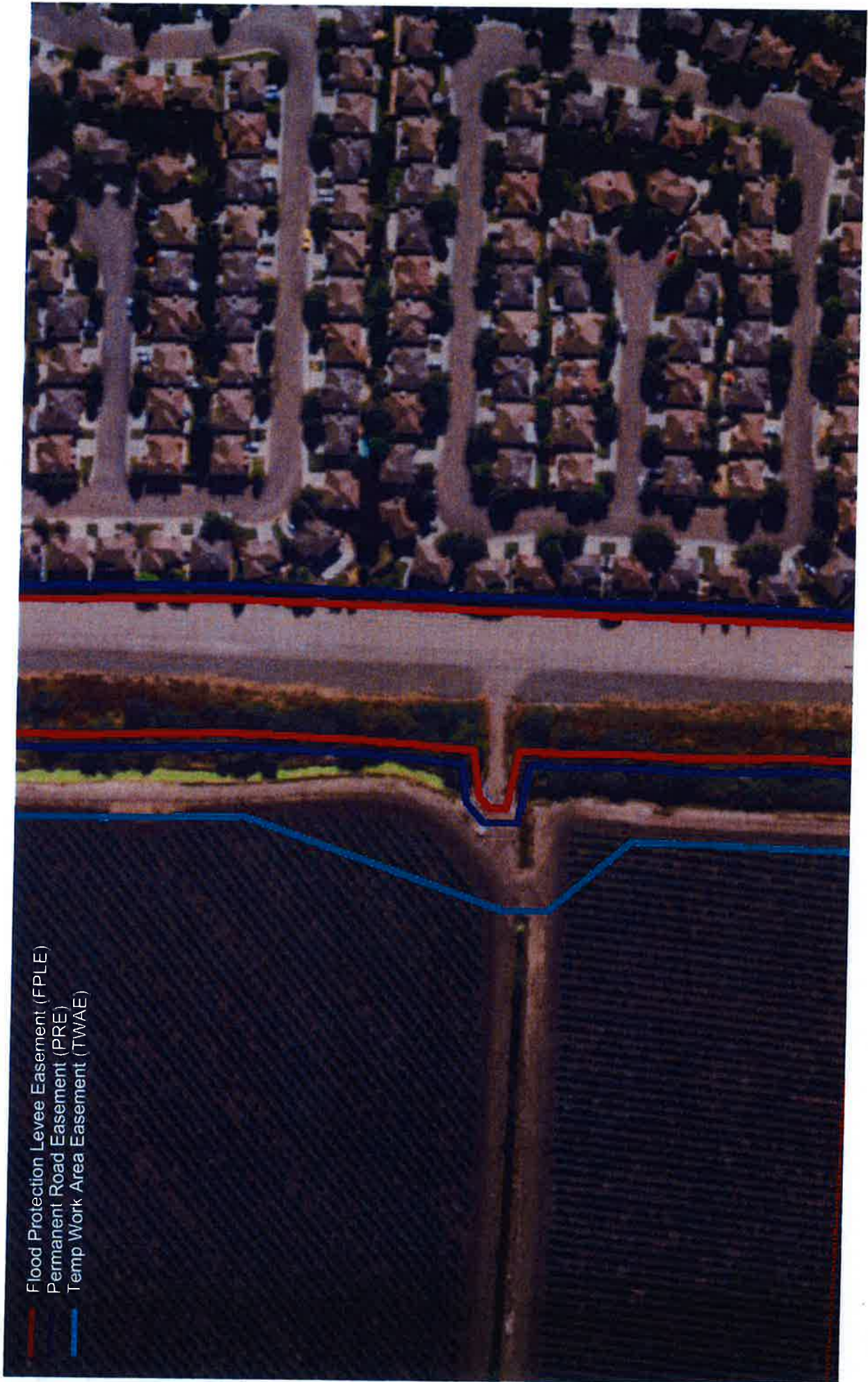
Flood Protection Levee Easement (FPLE)
Permanent Road Easement (PRE)
Temp Work Area Easement (TWAE)



Flood Protection Levee Easement (FPLE)
Permanent Road Easement (PRE)
Temp Work Area Easement (TWAE)



Flood Protection Levee Easement (FPLE)
Permanent Road Easement (PRE)
Temp Work Area Easement (TWAE)



Flood Protection Levee Easement (FPLE)
Permanent Road Easement (PRE)
Temp Work Area Easement (TWAE)

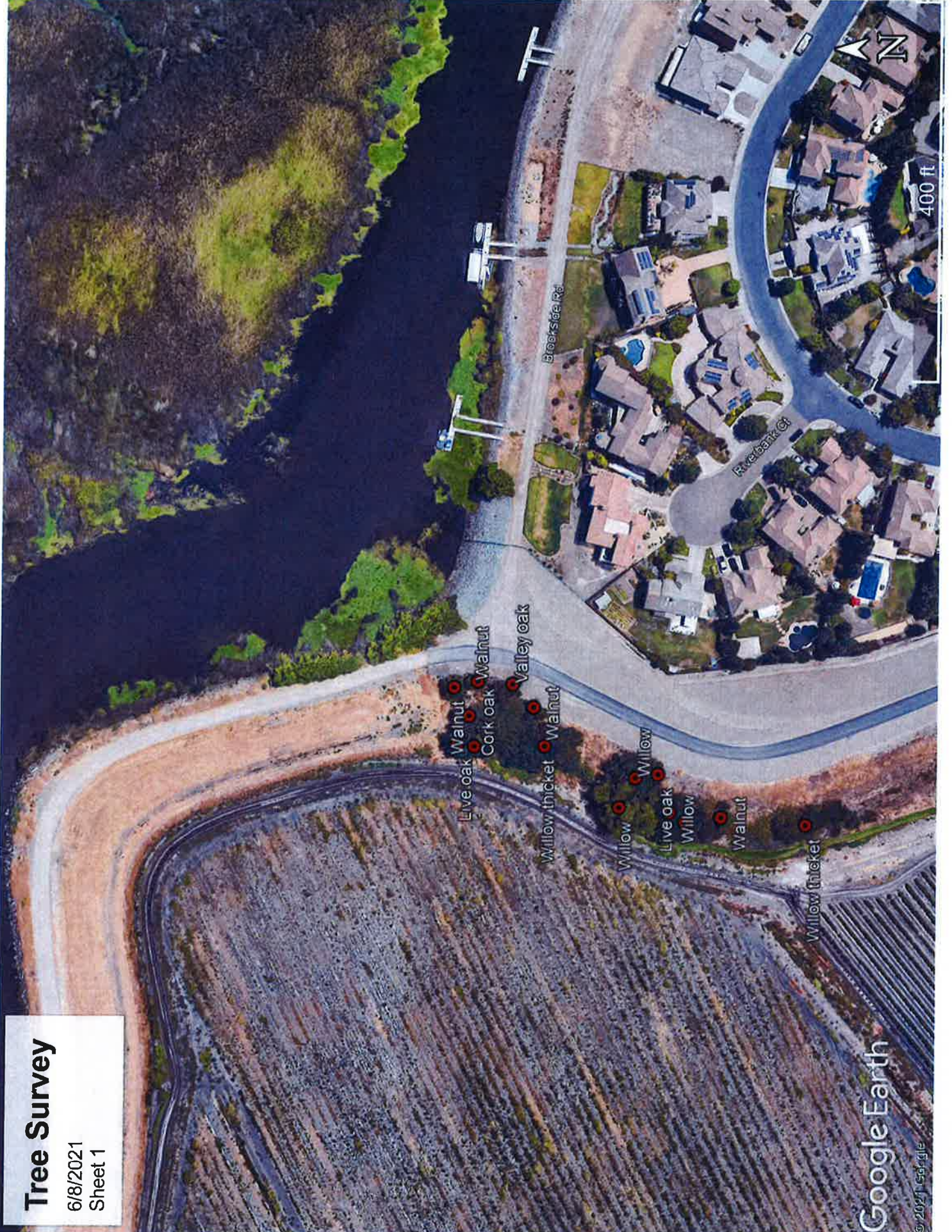


Exhibit B

Tree Survey

6/8/2021

Sheet 1

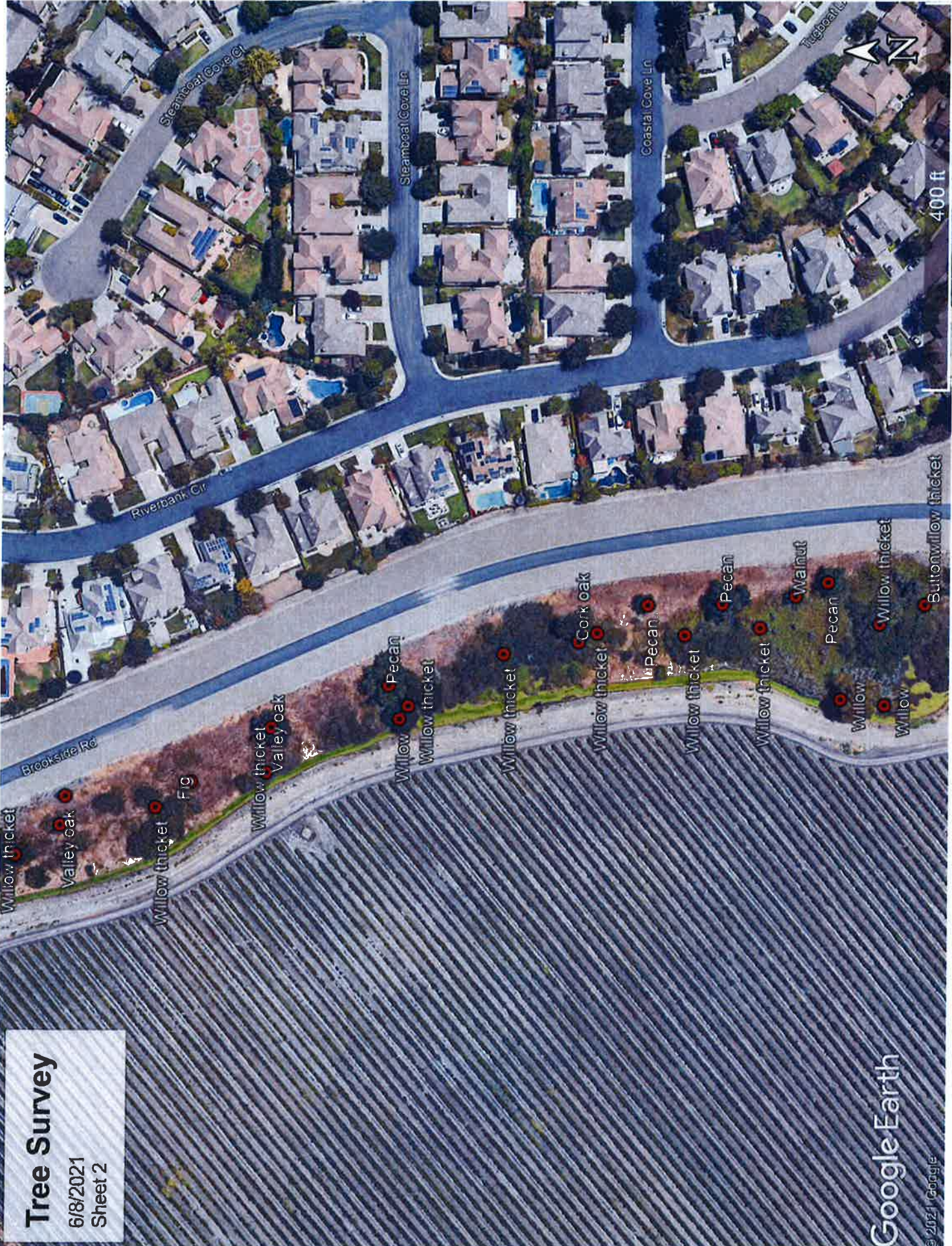


Google Earth

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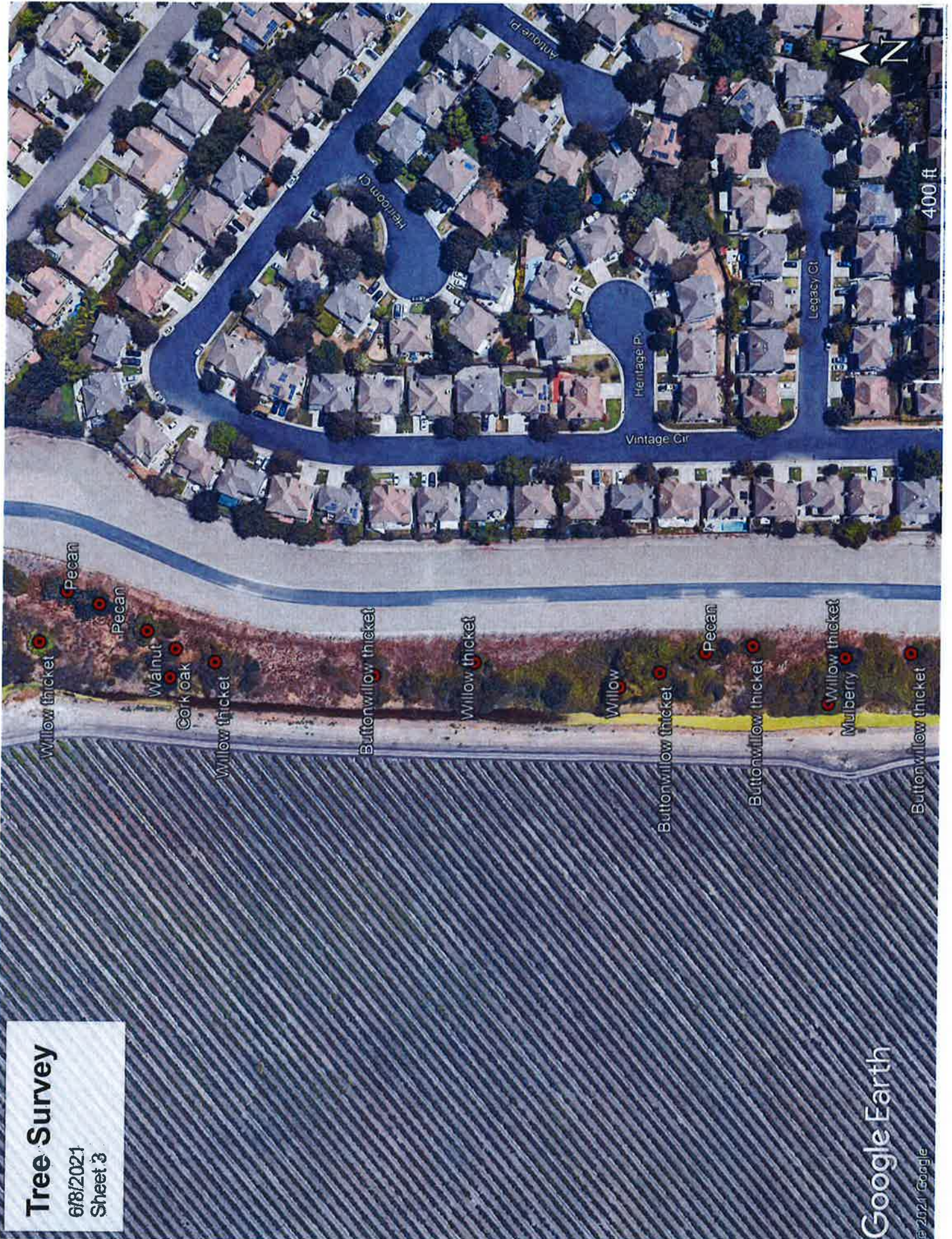
Tree Survey

6/8/2021
Sheet 2



Tree Survey

6/8/2021
Sheet 3



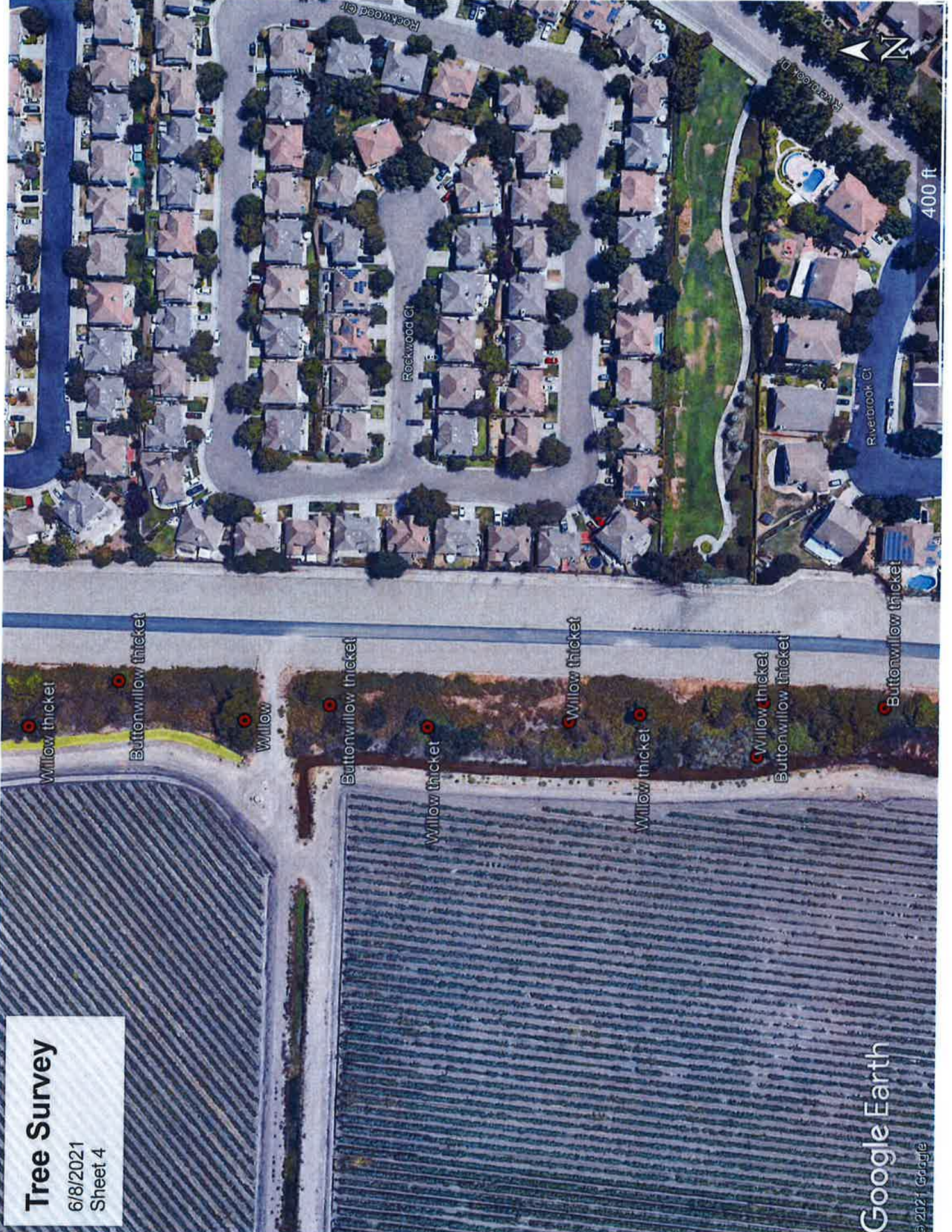
Google Earth

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Tree Survey

6/8/2021

Sheet 4



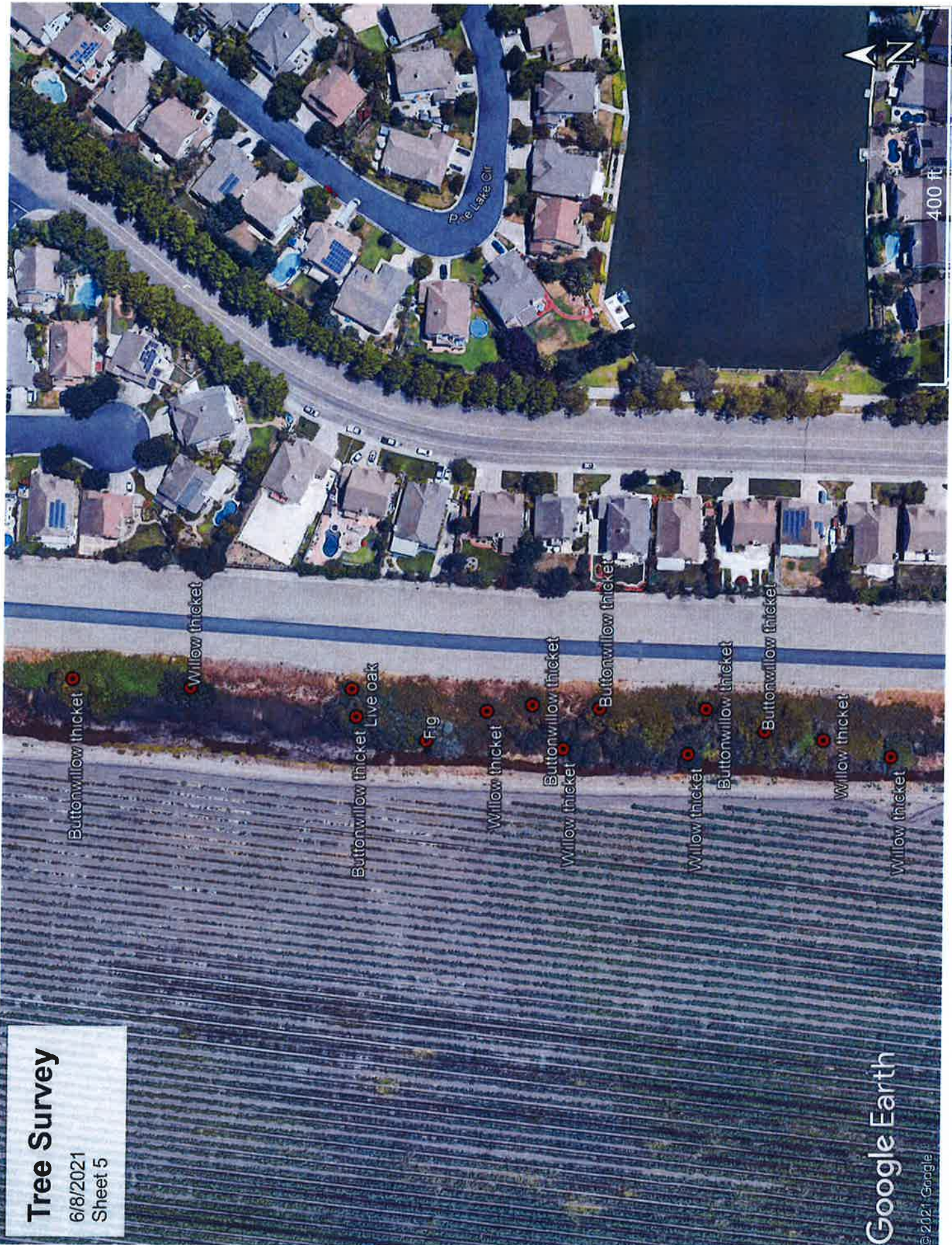
Google Earth

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Tree Survey

6/8/2021

Sheet 5



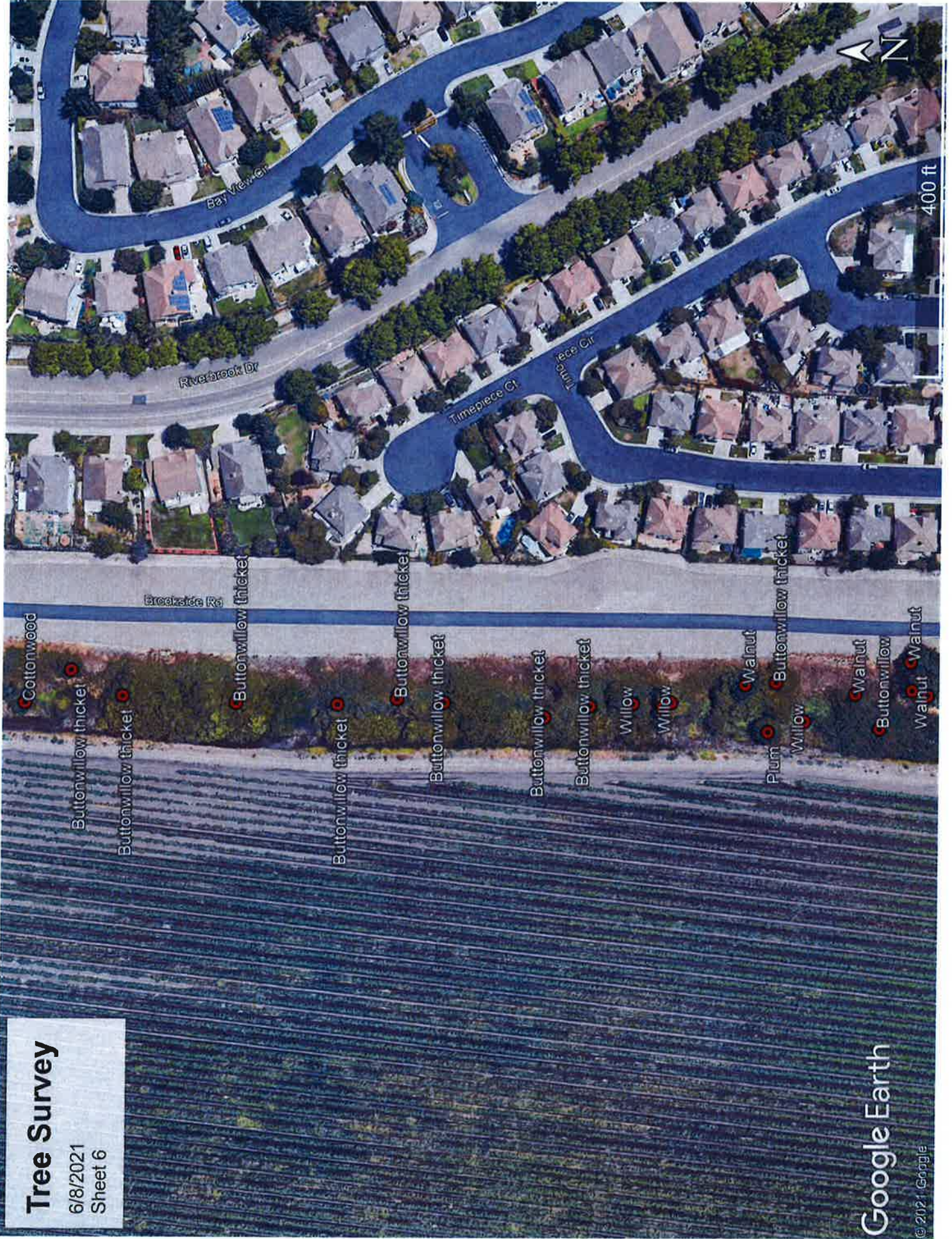
Google Earth

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Tree Survey

6/8/2021

Sheet 6



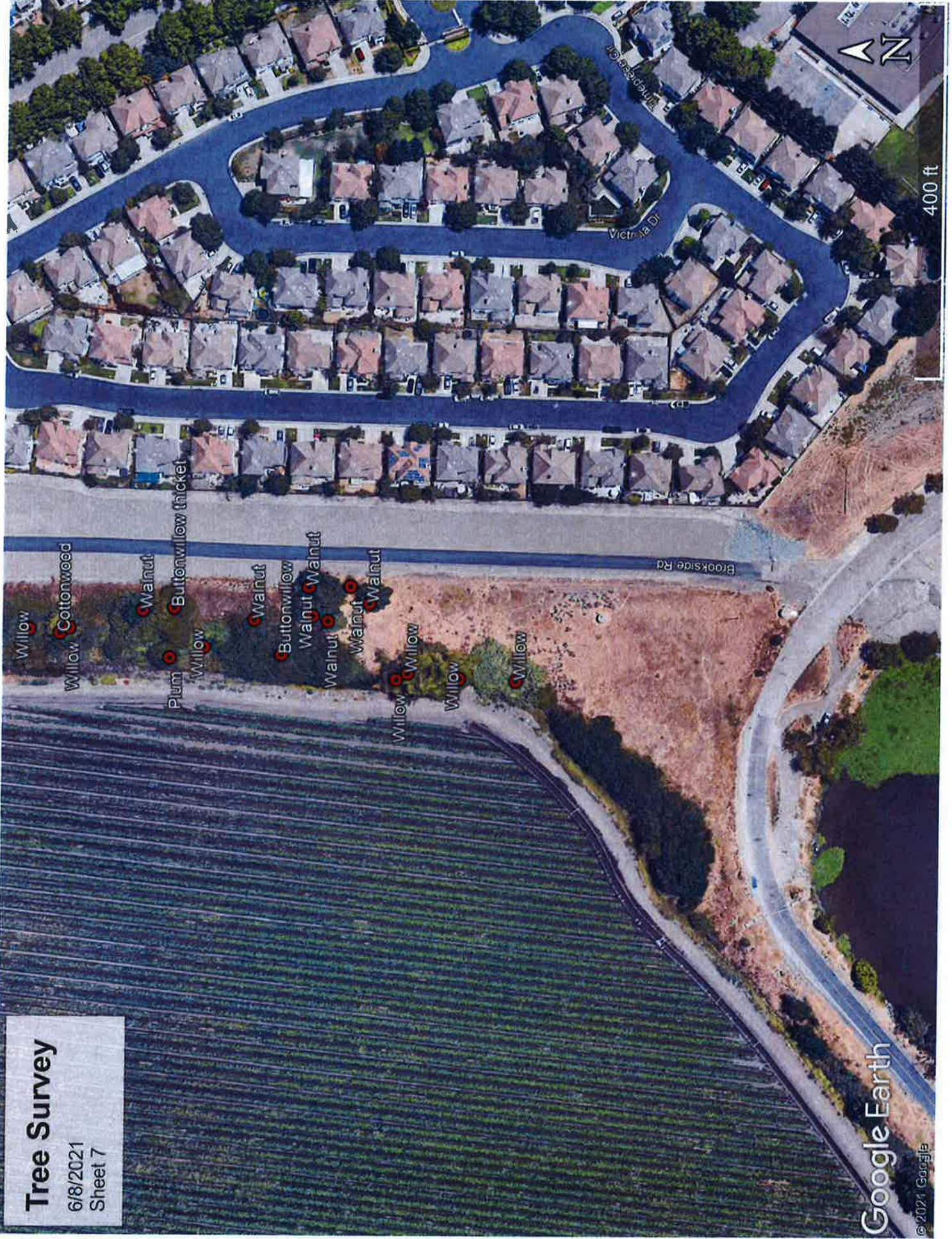
Google Earth

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Tree Survey

6/8/2021

Sheet 7



Google Earth

© 2021 Google

Tree Survey (6/8/2021)

Species	Latitude	Longitude	# of Stems	DBH	Height
Walnut	37.98087152	-121.3692078	1	20	40
Cottonwood	37.98111014	-121.3692933	1	24	50
Cottonwood	37.98294308	-121.3692817	2	21	40
Mulberry	37.98864883	-121.3688964	1	20	40
Willow	37.98930146	-121.3690079	3	60	60
Cork oak	37.99057672	-121.3688732	1	16	40
Walnut	37.99066005	-121.3688069	2	23	40
Pecan	37.99079749	-121.3687078	1	20	45
Pecan	37.99088902	-121.3686616	2	24	40
Pecan	37.9914178	-121.3686136	1	21	35
Pecan	37.99171896	-121.3686935	1	23	40
Pecan	37.991931	-121.3686974	5	26	30
Cork oak	37.99212592	-121.3688321	1	22	50
Pecan	37.99266355	-121.3689909	4	55	45
Willow	37.99263475	-121.3691158	6	65	40
Valley oak	37.99299481	-121.3691453	1	20	45
Willow	37.9945881	-121.3698188	3	60	60
Willow	37.9945881	-121.3698188	1	14	45
Willow	37.99469	-121.369689	4	80	60
Willow	37.99137388	-121.3690419	6	56	55
Willow	37.99124226	-121.3690637	4	59	50
Plum	37.98079944	-121.3693845	1	20	30
Willow	37.9799651	-121.3694573	2	50	
Willow	37.9801143	-121.3694374	2	60	
Willow	37.9801478	-121.3694609	1	10	
Walnut	37.9802239	-121.3691801	3	37	
Walnut	37.9803425	-121.3692456	1	10	
Walnut	37.98027804	-121.3691182	2	10	
Walnut	37.9803958	-121.3691203	1	10	
Walnut	37.9803866	-121.3692272	5	80	
Buttonwillow	37.98047645	-121.3693704	4	20	
Willow	37.97980293	-121.3694648	4	20	
Walnut	37.9805517	-121.3692411	1	4	
Buttonwillow thicket	37.98078155	-121.3691989	20	80	
Willow	37.9806975	-121.3693433	3	18	
Willow	37.98108462	-121.3692746	3	21	
Willow	37.9811965	-121.3692788	3	15	
Buttonwillow thicket	37.98131968	-121.3692886	20	80	
Buttonwillow thicket	37.98144905	-121.3693315	20	80	
Buttonwillow thicket	37.98173723	-121.369276	30	120	
Buttonwillow thicket	37.98187221	-121.3692628	10	40	
Buttonwillow thicket	37.98204292	-121.3692843	20	80	
Buttonwillow thicket	37.98233185	-121.3692796	40	160	
Buttonwillow thicket	37.98265907	-121.3692553	20	40	
Buttonwillow thicket	37.98280829	-121.3691606	5	20	
Willow thicket	37.98316152	-121.3692924	5	25	

Tree Survey (6/8/2021)

Willow thicket	37.98336568	-121.3692295	10	40	
Buttonwillow thicket	37.98353023	-121.3692003	25	100	
Buttonwillow thicket	37.98370105	-121.3691181	10	40	
Willow thicket	37.98374935	-121.3692855	20	100	
Buttonwillow thicket	37.98400813	-121.369116	20	40	
Willow thicket	37.98410853	-121.369268	15	60	
Buttonwillow thicket	37.9841996	-121.3691036	5	20	
Willow thicket	37.98432782	-121.3691282	10	40	
Fig	37.98450131	-121.3692388	2	15	
Buttonwillow thicket	37.98470221	-121.3691518	20	80	
Live oak	37.98471426	-121.3690486	1	4	
Willow thicket	37.98517604	-121.3690471	10	40	
Buttonwillow thicket	37.98551175	-121.3690166	20	100	
Buttonwillow thicket	37.98583044	-121.3689738	5	30	
Buttonwillow thicket	37.9861876	-121.3689558	40	160	
Willow thicket	37.98620188	-121.3691568	25	100	
Willow thicket	37.9865444	-121.3690008	5	25	
Willow thicket	37.98674791	-121.3690285	20	100	
Willow thicket	37.98715463	-121.3690505	30	140	
Buttonwillow thicket	37.98743505	-121.3689705	10	50	
Willow	37.98767777	-121.369029	7	110	
Buttonwillow thicket	37.98804188	-121.3688845	5	25	
Willow thicket	37.98830361	-121.369056	10	50	
Buttonwillow thicket	37.98845635	-121.3688802	15	60	
Willow thicket	37.98868988	-121.3690683	15	60	
Buttonwillow thicket	37.98891489	-121.3688554	5	20	
Pecan	37.98905099	-121.3688812	1	12	
Buttonwillow thicket	37.98918345	-121.3689547	15	80	
Willow thicket	37.98971723	-121.3689186	40	200	
Buttonwillow thicket	37.99000693	-121.3689695	10	40	
Willow thicket	37.9904626	-121.3689218	20	100	
Buttonwillow thicket	37.99059413	-121.3689795	5	20	
Willow thicket	37.99096848	-121.3688486	20	100	
Buttonwillow thicket	37.99113738	-121.3686949	10	40	
Willow thicket	37.99126516	-121.3687658	20	160	
Walnut	37.99150911	-121.3686651	3	17	
Willow thicket	37.99161107	-121.3687811	40	160	
Willow thicket	37.99182532	-121.3688073	20	80	
Willow thicket	37.9920742	-121.3688001	15	60	
Willow thicket	37.99234002	-121.3688766	20	100	
Willow thicket	37.99261021	-121.3690678	25	125	
Willow thicket	37.99301301	-121.3693122	20	80	
Fig	37.99322485	-121.3693451	4	20	
Willow thicket	37.99332468	-121.3694387	20	100	
Valley oak	37.99357247	-121.3693932	3	13	
Valley oak	37.99359254	-121.3695019	1	5	
Willow thicket	37.99371988	-121.3696117	20	80	

Tree Survey (6/8/2021)

Willow thicket	37.99418967	-121.3698672	15	60	
Walnut	37.99444073	-121.3698351	1	9	
Live oak	37.99462484	-121.3696754	1	4	
Willow thicket	37.99495156	-121.3695727	20	100	
Walnut	37.9949858	-121.369426	2	12	
Valley oak	37.99504647	-121.3693413	1	13	
Walnut	37.99514526	-121.3693318	1	13	
Walnut	37.99521276	-121.3693548	1	14	
Cork oak	37.99516947	-121.3694605	1	20	
Live oak	37.99520299	-121.3695668	1	12	
Ailanthus	37.99515397	-121.3695752	25	140	
Total			1038		

Exhibit C

CENTRAL VALLEY FLOOD PROTECTION BOARD

3310 El Camino Ave., Ste. 170
SACRAMENTO, CA 95821
(916) 574-0609 FAX: (916) 574-0682



Mr. Christopher Neudeck
711 N. Pershing Avenue
Stockton, CA 95203

Dear Mr. Neudeck:

The Department of Water Resources, on behalf of the Sacramento and San Joaquin Drainage District, acting by and through the Central Valley Flood Protection Board (CVFPB) of the State of California, in cooperation with the U.S. Army Corps of Engineers, the City of Stockton, San Joaquin Area Flood Control Agency and Reclamation District 2074, will be performing levee reconstruction work as part of the Lower San Joaquin River Levee Improvement Project, River Reach TS30L on Elmwood Tract.

This work will take place on a portion of Elmwood Partners, LP. property, identified as San Joaquin County Assessor's Parcel No(s). 071-150-040, -050, -060, -070, -110, -120, -130, as shown on the enclosed Exhibit.

Enclosed is a Right of Entry Permit (Permit) for the purposes of access, survey, staging, stockpiling materials, construction, a haul route, vegetation clearing and vegetation transplanting while the acquisition of the CVFPB easement is completed. Please sign two copies of the Permit and return them to me. Please keep a copy for your records. A fully executed Permit will be sent to at a later date.

If you need additional information or would like to discuss this further, you may contact me by telephone directly at (916) 654-7560 or by email at brian.ferrero@water.ca.gov.

Sincerely,

Brian Ferrero
Associate Right of Way Agent

Enclosures

Project: Lower San Joaquin River Levee Improvement
Feature: River Reach TS30L (Elmwood Tract)
Parcel No.: 071-150-040,-050,-060,-070,-110,-120,-130

RIGHT OF ENTRY

The undersigned "PERMITTOR" hereby grants permission to the State of California Department of Water Resources on behalf of the Sacramento and San Joaquin Drainage District (SSJDD), acting by and through the Central Valley Flood Protection Board, its employees, agents, and contractors, collectively hereinafter referred to as "PERMITTEE," to enter upon PERMITTOR's land in the County of San Joaquin, described as that portion of Assessor's Parcel No.(s) 071-150-040,-050,-060,-070,-110,-120,-130 and marked on the attached map, for the purposes of access, survey, staging, stockpiling materials, construction, a haul route, vegetation clearing, vegetation transplanting, the installation of appurtenances, and incidental uses thereto subject to the following conditions:

- 1. This permission is not a waiver in any way of the right to just compensation for such land or of any remedy authorized by law to secure payment thereof, or of any right to relocation assistance.
2. PERMITTEE will, without unnecessary delay, negotiate with the undersigned PERMITTOR and any other person, having any right, title, or interest in said property, to agree upon terms of compensation, and if agreement cannot be reached, PERMITTEE will promptly commence eminent domain proceedings to have such compensation determined.
3. PERMITTOR hereby agrees to grant a permanent easement to SSJDD sufficient for the access, operation, maintenance, repair, rehabilitation, reconstruction, and replacement of said flood control works, appurtenances, and incidents thereto.
4. The effective date of "possession" shall be the date signed as "accepted" by PERMITTEE, as written below.
5. PERMITTEE will pay interest at the rate of the State Surplus Money Investment Fund to accrue from the date of possession to the date a warrant is issued by PERMITTEE.
6. PERMITTEE agrees to indemnify and hold harmless PERMITTOR and to either repair or pay for any damage caused by reason of the use authorized by this Right of Entry.
7. PERMITTEE reserves the right to terminate this Right of Entry via written notification upon PERMITTEE's determination that no permanent rights are necessary over the property...

PERMITTOR's Name and Address:

Recommended for Approval

Elmwood Partners LP
3255 West March Lane Suite 400
Stockton, CA 95267

Brian Ferrero, Associate Right of Way Agent Date

David P. Smith, Chief CVFPB Acquisition Unit Date

Signature

Date:

ACCEPTED:
SACRAMENTO AND SAN JOAQUIN DRAINAGE DISTRICT,
acting by and through the Central Valley Flood Protection
Board of the State of California

Signature

Date:

Linus A. Paulus, Chief
Acquisition and Appraisal Section

Date:

CONSENT OF TENANT(S)

We, the Tenants of land described in this Right of Entry Permit are under lease with Lessor, whose name is subscribed to this contract as PERMITTOR, do hereby consent to the execution of said Right of Entry Permit and agree that all money payable shall be paid to said PERMITTOR as herein set forth.

Signature Date

Print Name

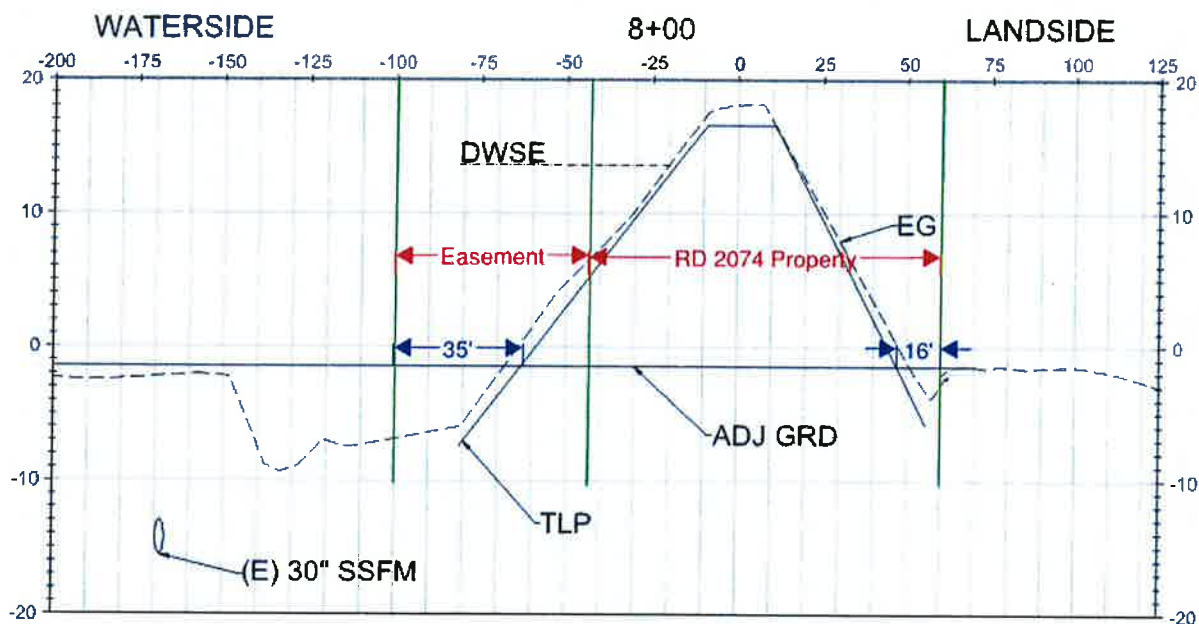
Signature Date

Print Name

9.0 Real Estate

RD No. 2074 owns the parcel that covers the majority of the TS_30_L levee. The parcel is about 100 ft wide with its east boundary along the fence line of the Brookside Estates properties. RD 2074 also has an easement on the water side of the levee that extends approximately 60 ft west of the property line. To determine the available levee right-of-way, cross sections were cut every 100 ft and a theoretical levee prism (TLP) was drawn into each section. The elevation of the adjacent ground on the land side was then used to locate the water and land side levee toes (See Figure 5). The theoretical levee toe locations were then compared to the location of the land side property line and the water side property line and easement.

Figure 5. Example Levee Cross Section with Theoretical Levee Prism



On the water side, the levee toe is beyond the western property line at all locations. However, there is 20 ft to 47 ft of space between the theoretical levee toe and the western easement boundary. Thus, the water side levee provides the minimum 15 ft right-of-way beyond the levee toe.

On the land side, the levee toe is more than 15 ft from the eastern property line at all but seven locations. The minimum space between the theoretical land side levee toe and the property line is 12 ft. Thus, a variance will be needed to reduce the minimum right-of-way beyond the levee toe on the land side from 15 ft to 12 ft.

Appendix E presents all the cross sections used in this levee right-of-way analysis along with the measurements associated with each cross section.

Plan (SWPPP) and a Spill Prevention and Control Plan that will be approved by the USACE and the Central Valley Regional Water Quality Control Board prior to initiating construction activities.

Appropriate erosion control measures would be incorporated into the SWPPP by the construction Contractor in order to prevent sediment from entering wetlands, waterways, and to minimize temporary turbidity impacts. Examples include but are not limited to straw bales/wattles, erosion blankets, silt fencing, silt curtains, mulching, revegetation, and temporary covers. Sediment and erosion control measures would be maintained by the Contractor during construction at all times. Control measures would be inspected periodically by the construction Contractor, particularly during and after significant rain events. Information regarding environmental requirements and design is pending. Elderberry bushes to be removed or protected are shown on the 65% Plans.

Cultural resources are currently under investigation by USACE. The results of this investigation will be incorporated into the design when received.

9.0 Real Estate

RD No. 2074 owns the parcel that covers most of the TS_30_L levee. The parcel is about 100 ft wide with its east boundary along the fence line of the Brookside Estates properties. RD 2074 also may have an easement on the water side of the levee that extends approximately 60 ft west of the property line. The available levee right-of-way on the landside will be 15 ft minimum and the levee is reshaped and pushed towards the waterside. On the waterside, the levee toe is about 60 ft beyond the property line. Therefore, additional land will need to be acquired on the waterside. In addition, a new easement will be required to provide the minimum 15 ft right-of-way beyond the levee toe.

Christopher H. Neudeck

To: Pinasco, Andrew J.; Bahler Nelson (nbahler@grupe.com); Trujillo, Elvia
Subject: RE: Tree Removal and Elderberry Transplanting Right-of-Entry

Acronyms:

PRE = Permanent Roadway Easement
FPLE = Flood Protection Levee Easement
TWAE = Temporary Work Area Easement

TWAE is basically a temp construction access – durations range, but often a couple of years.

From: Christopher H. Neudeck
Sent: Thursday, July 29, 2021 12:16 PM
To: Pinasco, Andrew J. <apinasco@neumiller.com>; Bahler Nelson (nbahler@grupe.com) <nbahler@grupe.com>; Trujillo, Elvia <etrujillo@neumiller.com>
Subject: FW: Tree Removal and Elderberry Transplanting Right-of-Entry

Nelson,

Here are all of the attachments in pdf. I have a copy of each of these for all of us to review on Tuesday at our meeting.

From: Muhammad Khan <mkhan@ksninc.com>
Sent: Thursday, July 29, 2021 8:56 AM
To: Christopher H. Neudeck <cneudeck@ksninc.com>
Cc: Wendy L. Fuerte <wfuerte@ksninc.com>
Subject: RE: Tree Removal and Elderberry Transplanting Right-of-Entry

Please see attached PDFs. They are also saved to the folder linked below.

[\\project\pro\0945 Wright-Elmwood Tract\0480 LSJR Reach TS 30 L Levee Improvements\08 Civil\900 Temp\Tree Removal\PDF](#)

Thanks,
MSK

From: Christopher H. Neudeck <cneudeck@ksninc.com>
Sent: Thursday, July 29, 2021 7:07 AM
To: Muhammad Khan <mkhan@ksninc.com>
Cc: Wendy L. Fuerte <wfuerte@ksninc.com>
Subject: FW: Tree Removal and Elderberry Transplanting Right-of-Entry

Can you take all of these documents and convert them all to PDF's? Our client is having trouble opening them and resend them back to me this AM? Job No 0945-048. Our client probably does not have Google Earth loaded on his computer. Secondly please either you or have WLF print each of these documents once you have PDF'd and staple separately and make up 6 sets of all of these doc's.

From: Christopher H. Neudeck
Sent: Tuesday, July 27, 2021 1:02 PM
To: Bahler Nelson (nbahler@grupe.com) <nbahler@grupe.com>; Pinasco, Andrew J. <apinasco@neumiller.com>
Subject: FW: Tree Removal and Elderberry Transplanting Right-of-Entry

Nelson and Andy,

Please see the attached documents relative to the 10 Mile Slough USACE Cut-Off Wall Project for RD's 2074 and 2119. There is a lot of information attached in these documents and there is need to have a meeting to discuss all of this. I am looking to you two to have this meeting because ultimately Nelson you are going to have to sign on behalf of Elmwood partners the Right of Entry and Andy we will need to negotiate some sort of agreement for the portion of the levee that is within RD 2119 owned by Elmwood Partners (see attached 11 MB plan set)

Availability for a meeting is:

Wed 28th 3-5:00 PM
Thu 29th 1-2:00 PM or 4-5:00 PM
Fri 30th 5-7:30 AM
Mon 2nd 5-10:00 AM
Tue 3rd 5-8:30 AM or 11 to 4:00 PM.
Wed 4th 1-4:00 PM

From: Omar Al-Hindi <Omar.Al-Hindi@stocktonca.gov>
Sent: Tuesday, July 27, 2021 11:45 AM
To: Christopher H. Neudeck <cneudeck@ksninc.com>
Cc: Adam Riley <adam@larsenwurzel.com>; Chris Elias <Chris.Elias@stocktonca.gov>
Subject: [WARNING: UNSCANNABLE EXTRACTION FAILED]FW: Tree Removal and Elderberry Transplanting Right-of-Entry

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Chris;

Thank you, my friend, for meeting with us this morning. Attached are the draft ROE's for the project. As we have discussed, the 1st order of work is Elderberry transplantation (10 shrubs) and removal of trees (104 trees) by this fall. Thank you Chris for all of your help on this and we look forward to working with you on this.

From: Ferrero, Brian@DWR <Brian.Ferrero@water.ca.gov>
Sent: Tuesday, July 27, 2021 11:21 AM
To: Omar Al-Hindi <Omar.Al-Hindi@stocktonca.gov>; Ito, Larry@DWR <Larry.Ito@water.ca.gov>
Cc: Adam Riley <adam@larsenwurzel.com>; Chris Elias <Chris.Elias@stocktonca.gov>
Subject: RE: Tree Removal and Elderberry Transplanting Right-of-Entry

CAUTION: This email originated from outside the City of Stockton. Do not click any links or open attachments if this is unsolicited email.
Great News Omar:

I'm not sure of your discussion details so I've attached two relevant ROEs to use at your team's discretion:

1. Elmwood ROE (Vegetation Only)
 - This ROE language is strictly geared toward Vegetation Removal
 - Does not consider any future access for any other pre construction preparation
 - Can be adjusted to accommodate what both sides need.
 - Allows for access once signed
2. Elmwood ROE (Recommended)
 - This ROE encompasses all aspects required for Project
 - Allows for access, haul route, veg clearing/transplanting, staging, stockpiling, construction, survey).
 - Can also be adjusted to accommodate what both sides need.
 - Allows for access once signed

Chris Nuedeck and his team may include any items they feel necessary as well. I attached the most relevant exhibits, but if you have a more accurate exhibit feel free.

If you have any questions, feel free.

Brian

From: Omar Al-Hindi <Omar.Al-Hindi@stocktonca.gov>
Sent: Tuesday, July 27, 2021 9:45 AM
To: Ferrero, Brian@DWR <Brian.Ferrero@water.ca.gov>; Ito, Larry@DWR <Larry.Ito@water.ca.gov>; Husted, Cody@DWR <Cody.Husted@water.ca.gov>
Cc: Adam Riley <adam@larsenwurzel.com>; Chris Elias <chris.elias@stocktonca.gov>
Subject: Tree Removal and Elderberry Transplanting Right-of-Entry

Good Morning Larry/Brian,

We had a successful discussion with Mr. Chris Neudeck at RD2119 and he requested a copy of the draft ROE document to share with the client. Can you please forward us a copy? Thank you.

Omar Al-Hindi
Executive Project Manager
San Joaquin Area Flood Control Agency (SJAFC)
Office (209) 937-8259
Cell (209) 565-1937
E Mail omar.al-hindi@stocktonca.gov



Exhibit D



DRAFT
As Applicable

PROJECT MAP

DEPARTMENT OF THE ARMY
USING SERVICE U.S. ARMY

LOCATION OF PROJECT

STATE CALIFORNIA
COUNTY SACRAMENTO COUNTY
DIVISION SOUTH PACIFIC DIVISION (SPD)
DISTRICT SACRAMENTO (SPK)
ARMY AREA _____
OF _____
OF _____



TRANSPORTATION FACILITIES

STATE ROADS HWY 50
FEDERAL ROADS I-5 & I-80
AIRPORTS SAC INTERN AIRPORT (SMF)

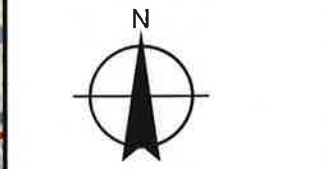


ACQUISITION

TOTAL ACRES ACQUIRED NO AREA
FEE _____
PUBLIC DOMAIN WITHDRAWN USE PERMIT
USE PERMIT (Other than P.D.) _____
TRANSFER WITHDRAWN USE PERMIT
LEASE _____
EASEMENT RESERVED _____
IN FEE DISPOSAL _____
LESSOR INTERESTS EASEMENT PERMIT LICENSE

DISPOSAL

TOTAL ACRES DISPOSED NO AREA
SOLD _____
PUBLIC DOMAIN WITHDRAWN USE PERMIT
USE PERMIT (Other than P.D.) _____
TRANSFERRED FEE _____
LEASES TERMINATED _____
LESSOR INTERESTS TERM _____
REASSIGNED _____
ACRES TO _____



LEGEND

EXCEPT FOR SPECIAL SYMBOLS SHOWN BELOW, MAP SYMBOLS ARE STANDARD IN U.S. ARMY FIELD MANUAL, FM 21-31, TOPOGRAPHIC SYMBOLS, DEC. 1968.

- PRE
- FPLE
- TWAE
- Borrow
- Parcel Boundary
- Haul Route

Coordinate System:
NAD 1983 StatePlane California III FIPS 0403 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
Units: Foot US

REAL ESTATE OWNERSHIP MAP 2021

DEPARTMENT OF THE ARMY
OFFICE OF THE SACRAMENTO DISTRICT ENGINEER
SOUTH PACIFIC DIVISION

CARTOGRAPHER _____
GARTO TECH. _____
CHECKED BY _____
SUBMITTED BY _____
HEATHER DOWNING
GEOGRAPHER, GEOMATICS SECTION

SACRAMENTO COUNTY CALIFORNIA
GEOMATICS SECTION, ENGINEERING DIVISION
LOWER SAN JOAQUIN REACH TS30L

RECOMMENDED BY _____
JAMES M. OLIVER
CHIEF, GEOMATICS SECTION

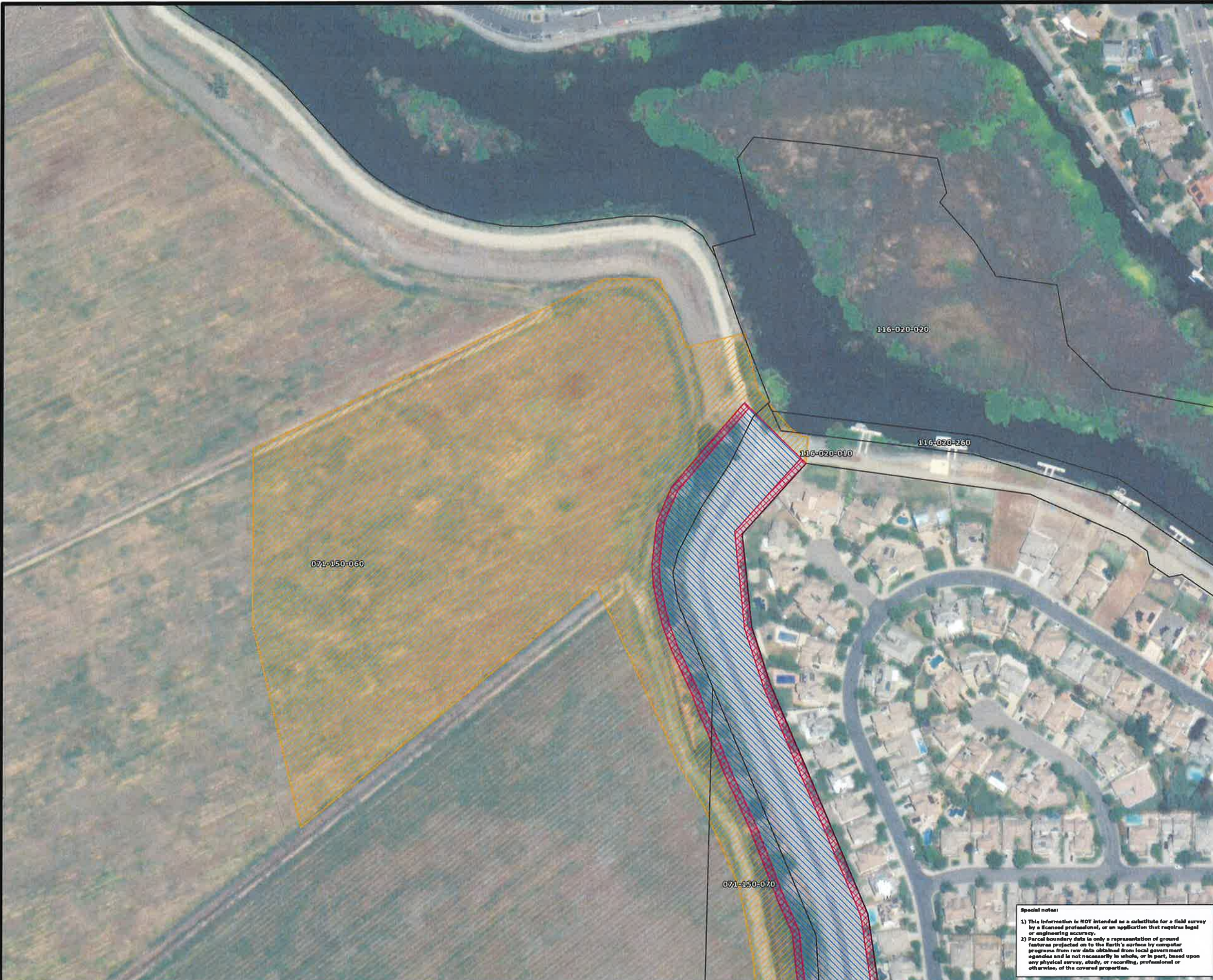
APPROVED BY _____ DATE _____
ADAM OLSON
CHIEF, REAL ESTATE DIVISION

OFFICE, CHIEF OF ENGINEERS, WASHINGTON 25, D.C.
REMIS CODE: _____
REMIS UNIQUE ID: _____
PROJECT NUMBER: _____

Date Saved: 7/1/2021 7:58:57 PM
SHEET 01 OF 06 DRAWING NO. _____

Special notes:

- 1) This information is NOT intended as a substitute for a field survey by a licensed professional, or an application that requires legal or engineering accuracy.
- 2) Parcel boundary data is only a representation of ground features projected on to the Earth's surface by computer programs from raw data obtained from local government agencies and is not necessarily in whole, or in part, based upon any physical survey, study, or recording, professional or otherwise, of the covered properties.



DRAFT
As Applicable

PROJECT MAP

DEPARTMENT OF THE ARMY
USING SERVICE U.S. ARMY

LOCATION OF PROJECT

STATE CALIFORNIA
COUNTY SACRAMENTO COUNTY
DIVISION SOUTH PACIFIC DIVISION (SPD)
DISTRICT SACRAMENTO (SPK)
ARMY AREA _____
OF _____
OF _____



TRANSPORTATION FACILITIES

STATE ROADS HWY 50
FEDERAL ROADS I-5 & I-80
AIRPORTS SAC INTERN AIRPORT (SMF)



ACQUISITION

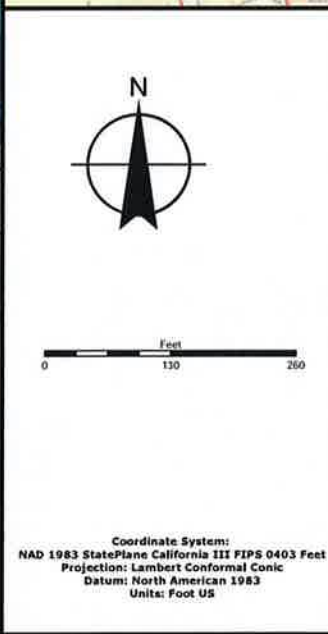
TOTAL ACRES ACQUIRED NO AREA

FEE _____
PUBLIC DOMAIN WITHDRAWN USE PERMIT
USE PERMIT (Other than P.D.) _____
TRANSFER WITHDRAWN USE PERMIT
LEASE _____
EASEMENT RESERVED IN FEE DISPOSAL _____
LESSER INTERESTS EASEMENT PERMIT LICENSE

DISPOSAL

TOTAL ACRES DISPOSED NO AREA

SOLD _____
PUBLIC DOMAIN WITHDRAWN USE PERMIT
USE PERMIT (Other than P.D.) _____
TRANSFERRED FEE _____
LEASES TERMINATED _____
LESSER INTERESTS TERM _____
REASSIGNED _____
ACRES TO _____



LEGEND

EXCEPT FOR SPECIAL SYMBOLS SHOWN BELOW, MAP SYMBOLS ARE STANDARD IN U.S. ARMY FIELD MANUAL, FM 21-31, TOPOGRAPHIC SYMBOLS, DEC. 1968.

- PRE
- FPLE
- TWAE
- Parcel Boundary

Coordinate System:
NAD 1983 StatePlane California III FIPS 0403 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
Units: Foot US

REAL ESTATE OWNERSHIP MAP 2021

DEPARTMENT OF THE ARMY
OFFICE OF THE SACRAMENTO DISTRICT ENGINEER
SOUTH PACIFIC DIVISION

CARTOGRAPHER _____
CARTO TECH. _____
CHECKED BY _____

SUBMITTED BY
HEATHER DOWNING
GEOGRAPHER, GEOMATICS SECTION

RECOMMENDED BY
JAMES M. OLIVER
CHIEF, GEOMATICS SECTION

APPROVED BY _____ DATE _____
ADAM OLSON
CHIEF, REAL ESTATE DIVISION

OFFICE, CHIEF OF ENGINEERS, WASHINGTON 25, D.C.

REMS CODE: _____
REMS UNIQUE ID: _____
PROJECT NUMBER: _____

SACRAMENTO COUNTY CALIFORNIA
GEOMATICS SECTION, ENGINEERING DIVISION
LOWER SAN JOAQUIN REACH TS30L

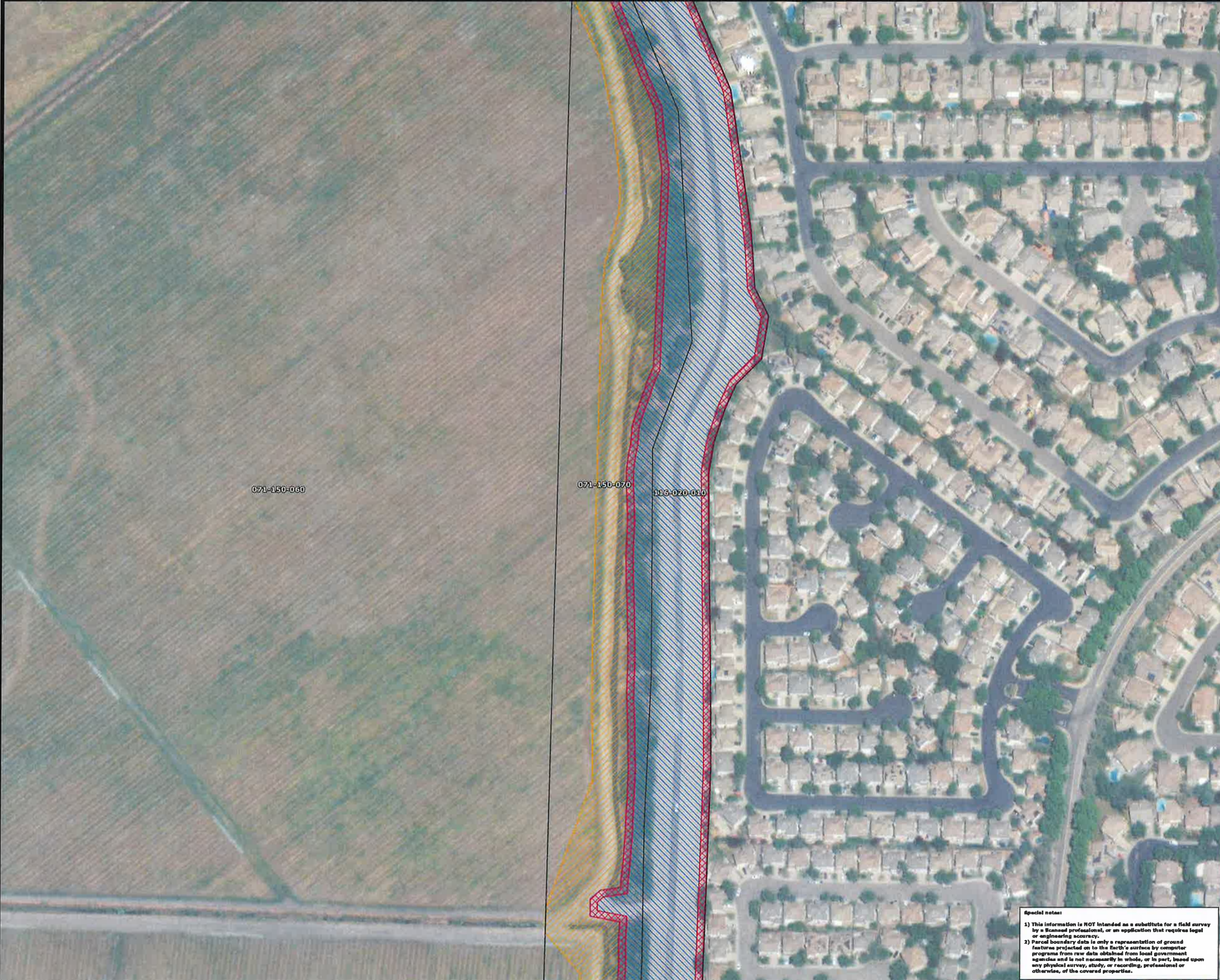
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SHEET 02 OF 06 DRAWING NO. _____

Special notes:

1) This information is NOT intended as a substitute for a field survey by a licensed professional, or an application that requires legal or engineering accuracy.

2) Parcel boundary data is only a representation of ground features projected on to the Earth's surface by computer programs from raw data obtained from local government agencies and is not necessarily in whole, or in part, based upon any physical survey, study, or recording, professional or otherwise, of the covered properties.



DRAFT
As Applicable

PROJECT MAP

DEPARTMENT OF THE ARMY
USING SERVICE U.S. ARMY

LOCATION OF PROJECT

STATE CALIFORNIA
COUNTY SACRAMENTO COUNTY
DIVISION SOUTH PACIFIC DIVISION (SPD)
DISTRICT SACRAMENTO (SPK)
ARMY AREA _____
OF _____
OF _____

TRANSPORTATION FACILITIES

STATE ROADS HWY 50
FEDERAL ROADS I-5 & I-80
AIRPORTS SAC INTERN AIRPORT (SMF)

ACQUISITION

TOTAL ACRES ACQUIRED NO AREA
FEE _____

PUBLIC DOMAIN WITHDRAWN
 USE PERMIT

USE PERMIT (Other than P.D.) _____

TRANSFER WITHDRAWN
 USE PERMIT

LEASE _____
EASEMENT RESERVED IN FEE DISPOSAL _____

LESSER INTERESTS EASEMENT
 PERMIT
 LICENSE

DISPOSAL

TOTAL ACRES DISPOSED NO AREA
SOLD _____

PUBLIC DOMAIN WITHDRAWN
 USE PERMIT

USE PERMIT (Other than P.D.) _____

TRANSFERRED FEE _____

LEASES TERMINATED _____

LESSER INTERESTS TERM _____

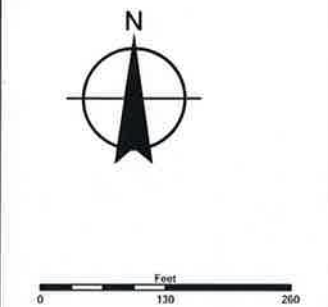
REASSIGNED _____

ACRES TO _____

LEGEND

EXCEPT FOR SPECIAL SYMBOLS SHOWN BELOW, MAP SYMBOLS ARE STANDARD IN U.S. ARMY FIELD MANUAL, FM 21-31, TOPOGRAPHIC SYMBOLS, DEC. 1968.

- PRE
- FPLE
- TWAE
- Parcel Boundary



Coordinate System:
NAD 1983 StatePlane California III FIPS 0403 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
Units: Foot US

REAL ESTATE OWNERSHIP MAP 2021

DEPARTMENT OF THE ARMY
OFFICE OF THE SACRAMENTO DISTRICT ENGINEER
SOUTH PACIFIC DIVISION

CARTOGRAPHER _____
CARTO TECH _____
CHECKED BY _____
SUBMITTED BY _____
HEATHER DOWNING
GEOGRAPHER, GEOMATICS SECTION

SACRAMENTO COUNTY CALIFORNIA
GEOMATICS SECTION, ENGINEERING DIVISION
LOWER SAN JOAQUIN REACH TS30L

RECOMMENDED BY _____
JAMES M. OLIVER
CHIEF, GEOMATICS SECTION

APPROVED BY _____ DATE _____
ADAM OLSON
CHIEF, REAL ESTATE DIVISION

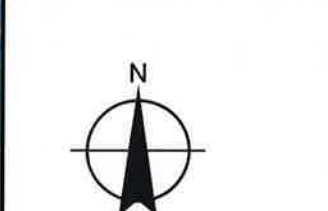
OFFICE, CHIEF OF ENGINEERS, WASHINGTON 25, D.C.
REMS CODE: _____
REMS UNIQUE ID: _____
PROJECT NUMBER: _____

Date Saved: 7/1/2021 7:58:57 PM
SHEET 03 OF 06 DRAWING NO. _____

Special notes

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Coordinate System:
 NAD 1983 StatePlane California III FIPS 0403 Feet
 Projection: Lambert Conformal Conic
 Datum: North American 1983
 Units: Foot US

DRAFT
 As Applicable

PROJECT MAP

DEPARTMENT OF THE ARMY
 USING SERVICE U.S. ARMY

LOCATION OF PROJECT

STATE CALIFORNIA
 COUNTY SACRAMENTO COUNTY
 DIVISION SOUTH PACIFIC DIVISION (SPD)
 DISTRICT SACRAMENTO (SPK)
 ARMY AREA _____
 OF _____
 OF _____

TRANSPORTATION FACILITIES

STATE ROADS HWY 50
 FEDERAL ROADS I-5 & I-80
 AIRPORTS SAC INTERN AIRPORT (SMF)

ACQUISITION

TOTAL ACRES ACQUIRED NO AREA
 FEE _____

PUBLIC DOMAIN WITHDRAWN
 USE PERMIT

USE PERMIT (Other than P.D.) _____

TRANSFER WITHDRAWN
 USE PERMIT

LEASE _____

EASEMENT RESERVED IN FEE DISPOSAL _____

LESSER INTERESTS EASEMENT
 PERMIT
 LICENSE

DISPOSAL

TOTAL ACRES DISPOSED NO AREA
 SOLD _____

PUBLIC DOMAIN WITHDRAWN
 USE PERMIT

USE PERMIT (Other than P.D.) _____

TRANSFERRED FEE

LEASES TERMINATED _____

LESSER INTERESTS TERM _____

REASSIGNED _____

ACRES TO _____

LEGEND

EXCEPT FOR SPECIAL SYMBOLS SHOWN BELOW, MAP SYMBOLS ARE STANDARD IN U.S. ARMY FIELD MANUAL, FM 21-31, TOPOGRAPHIC SYMBOLS, DEC. 1968.

- PRE
- FPLE
- TWAE
- Parcel Boundary

REAL ESTATE OWNERSHIP MAP 2021

DEPARTMENT OF THE ARMY
 OFFICE OF THE SACRAMENTO DISTRICT ENGINEER
 SOUTH PACIFIC DIVISION

CARTOGRAPHER _____ SACRAMENTO COUNTY CALIFORNIA
 CARTO TECH. _____
 CHECKED BY _____
 SUBMITTED BY _____
HEATHER DOWNING
 GEOGRAPHER, GEOMATICS SECTION

RECOMMENDED BY _____
JAMES M. OLIVER
 CHIEF, GEOMATICS SECTION

APPROVED BY _____ DATE _____
ADAM OLSON
 CHIEF, REAL ESTATE DIVISION

OFFICE, CHIEF OF ENGINEERS, WASHINGTON 25, D.C.
 REMIS CODE: _____
 REMIS UNIQUE ID: _____
 PROJECT NUMBER: _____

Date Saved: 7/1/2021 7:58:57 PM

SHEET 04 OF 06 DRAWING NO. _____

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DRAFT
As Applicable

PROJECT MAP

DEPARTMENT OF THE ARMY
USING SERVICE U.S. ARMY

LOCATION OF PROJECT

STATE CALIFORNIA
COUNTY SACRAMENTO COUNTY
DIVISION SOUTH PACIFIC DIVISION (SPD)
DISTRICT SACRAMENTO (SPK)
ARMY AREA _____
OF _____
OF _____



TRANSPORTATION FACILITIES

STATE ROADS HWY 50
FEDERAL ROADS I-5 & I-80
AIRPORTS SAC INTERN AIRPORT (SMF)



ACQUISITION

TOTAL ACRES ACQUIRED NO AREA
FEE _____

PUBLIC DOMAIN (WITHDRAWN / USE PERMIT)
USE PERMIT (Other than PD.) _____

TRANSFER (WITHDRAWN / USE PERMIT)

LEASE _____
EASEMENT RESERVED IN FEE DISPOSAL _____

LESSER INTERESTS (EASEMENT / PERMIT / LICENSE)

DISPOSAL

TOTAL ACRES DISPOSED NO AREA
SOLD _____

PUBLIC DOMAIN (WITHDRAWN / USE PERMIT)
USE PERMIT (Other than PD.) _____

TRANSFERRED (FEE) _____

LEASES TERMINATED _____
LESSER INTERESTS TERM _____
REASSIGNED _____
ACRES TO _____



LEGEND

EXCEPT FOR SPECIAL SYMBOLS SHOWN BELOW, MAP SYMBOLS ARE STANDARD IN U.S. ARMY FIELD MANUAL, FM 27-31, TOPOGRAPHIC SYMBOLS, DEC. 1968.

- PRE
- FPLE
- TWAE
- Parcel Boundary
- Haul Route

Coordinate System:
NAD 1983 StatePlane California III FIPS 0403 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
Units: Foot US

REAL ESTATE OWNERSHIP MAP 2021

DEPARTMENT OF THE ARMY
OFFICE OF THE SACRAMENTO DISTRICT ENGINEER
SOUTH PACIFIC DIVISION

SACRAMENTO COUNTY CALIFORNIA
GEOMATICS SECTION, ENGINEERING DIVISION

LOWER SAN JOAQUIN REACH TS30L

CARTOGRAPHER _____
CARTO TECH _____
CHECKED BY _____
SUBMITTED BY HEATHER DOWNING
GEOGRAPHER, GEOMATICS SECTION

RECOMMENDED BY JAMES M. OLIVER
CHIEF, GEOMATICS SECTION

APPROVED BY ADAM OLSON
CHIEF, REAL ESTATE DIVISION

OFFICE, CHIEF OF ENGINEERS, WASHINGTON 25, D.C.
REMIS CODE: _____
REMIS UNIQUE ID: _____
PROJECT NUMBER: _____

DATE Saved: 7/1/2021 7:58:57 PM
SHEET 05 OF 06
DRAWING NO. _____

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DRAFT
As Applicable

PROJECT MAP

DEPARTMENT OF THE ARMY
USING SERVICE U.S. ARMY

LOCATION OF PROJECT

STATE CALIFORNIA
COUNTY SACRAMENTO COUNTY
DIVISION SOUTH PACIFIC DIVISION (SPD)
DISTRICT SACRAMENTO (SPK)
ARMY AREA _____
OF _____
OF _____



TRANSPORTATION FACILITIES

STATE ROADS HWY 50
FEDERAL ROADS I-5 & I-80
AIRPORTS SAC INTERN AIRPORT (SMF)



ACQUISITION

TOTAL ACRES ACQUIRED NO AREA
FEE _____

PUBLIC DOMAIN WITHDRAWN
 USE PERMIT

USE PERMIT (Other than PD.) _____

TRANSFER WITHDRAWN
 USE PERMIT

LEASE _____

EASEMENT RESERVED IN FEE DISPOSAL _____

LESSER INTERESTS EASEMENT
 PERMIT
 LICENSE

DISPOSAL

TOTAL ACRES DISPOSED NO AREA
SOLD _____

PUBLIC DOMAIN WITHDRAWN
 USE PERMIT

USE PERMIT (Other than PD.) _____

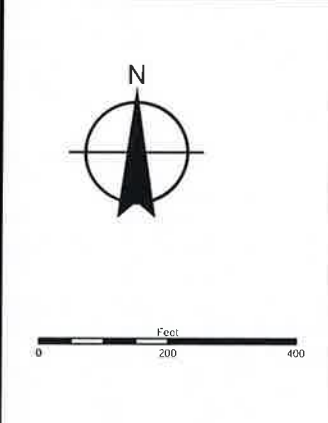
TRANSFERRED FEE _____

LEASES TERMINATED _____

LESSER INTERESTS TERM _____

REASSIGNED _____

ACRES TO _____



Coordinate System:
NAD 1983 StatePlane California III FIPS 0403 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
Units: Foot US

LEGEND

EXCEPT FOR SPECIAL SYMBOLS SHOWN BELOW, MAP SYMBOLS ARE STANDARD IN U.S. ARMY FIELD MANUAL, FM 21-31, TOPOGRAPHIC SYMBOLS, OEG, 1968.

Borrow

Parcel Boundary

Haul Route

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REAL ESTATE OWNERSHIP MAP 2021

DEPARTMENT OF THE ARMY
OFFICE OF THE SACRAMENTO DISTRICT ENGINEER
SOUTH PACIFIC DIVISION

SACRAMENTO COUNTY CALIFORNIA
GEOMATICS SECTION, ENGINEERING DIVISION

LOWER SAN JOAQUIN REACH TS30L

CARTOGRAPHER _____
CARTO TECH: _____
CHECKED BY _____
SUBMITTED BY
HEATHER DOWNING
GEOGRAPHER, GEOMATICS SECTION

RECOMMENDED BY
JAMES M. OLIVER
CHIEF, GEOMATICS SECTION

APPROVED BY _____ DATE _____
ADAM OLSON
CHIEF, REAL ESTATE DIVISION

OFFICE, CHIEF OF ENGINEERS, WASHINGTON 25, D.C.

REMISS CODE: _____
REMISS UNIQUE ID: _____
PROJECT NUMBER: _____

Date Saved: 7/1/2021 7:58:57 PM

SHEET 06 OF 06 DRAWING NO. _____

Exhibit E



Property Information

Property ID 11603003-141173
Location -no addresses on property-
Owner



**MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT**

City of Stockton, CA makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 09/09/2021
Data updated 09/08/2021

Print map scale is approximate. Critical layout or measurement activities should not be done using this resource.

Christopher H. Neudeck

From: Omar Al-Hindi <Omar.Al-Hindi@stocktonca.gov>
Sent: Friday, September 17, 2021 9:09 AM
To: Christopher H. Neudeck; Tony Lopes
Cc: Chris Elias; Adam Riley P. E.; Rhett Kilgore P. E. M. S.
Subject: LSJRP - TS30L -Tenmile Slough - Access During Construction
Attachments: TS30L Back Access Road.pdf; DSCN0134.JPG; DSCN0135.JPG; DSCN0063.JPG

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning Chris/Tony,

How are you, my friends? Hope my email finds you well. During construction of TS30L, there will be lots going on the existing levee by the Contractor due to the degrading and seepage cutoff wall construction work. There are lots of folks that use the levee road but during construction, access will no longer be available due to contractor equipment's in the way. The farmer indicated that he could use the back access which is off the San Joaquin River levee, and it needs to be rocked to avoid any trucks from tracking MUD onto March Lane and Brookside Rd. With this option, contractor trucks can get to the staging lot and the farmer can get to the farms. This will be an access for the City of Stockton Municipal Utility department maintenance to maintain the existing sewer main. The existing electronic gate will remain open during construction and be closed at the end of the day by the Contractor. With this option traffic will stay away from the backyards of residents homes and we will not have to build a temporary ramp to access the staging lot. Please let us know if this will be an acceptable option. Thank you and wish you all a great weekend.

Omar Al-Hindi
Executive Project Manager
San Joaquin Area Flood Control Agency (SJAFCA)
Office (209) 937-8259
Cell (209) 565-1937
E Mail omar.al-hindi@stocktonca.gov







09.15.2021

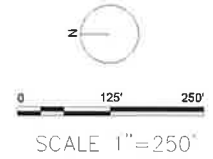


09.07.2021 1

Exhibit F

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

P
N
M
L
K
J
H
G
F
E
D
C
B
A



STAGING AND STOCKPILE AREA		
POINT ID	NORTHING	EASTING
A	2185951.49	6310999.38
B	2186035.05	6311027.92
C	2186178.66	6311049.41
D	2186247.43	6311023.84
E	2186324.67	6310991.16
F	2186325.41	6310875.13
G	2185962.36	6310130.23
H	2185588.13	6310129.10
I	2185153.63	6310232.58
J	2185691.51	6310891.72
K	2185727.12	6310907.67

MARK	DESCRIPTION	DATE

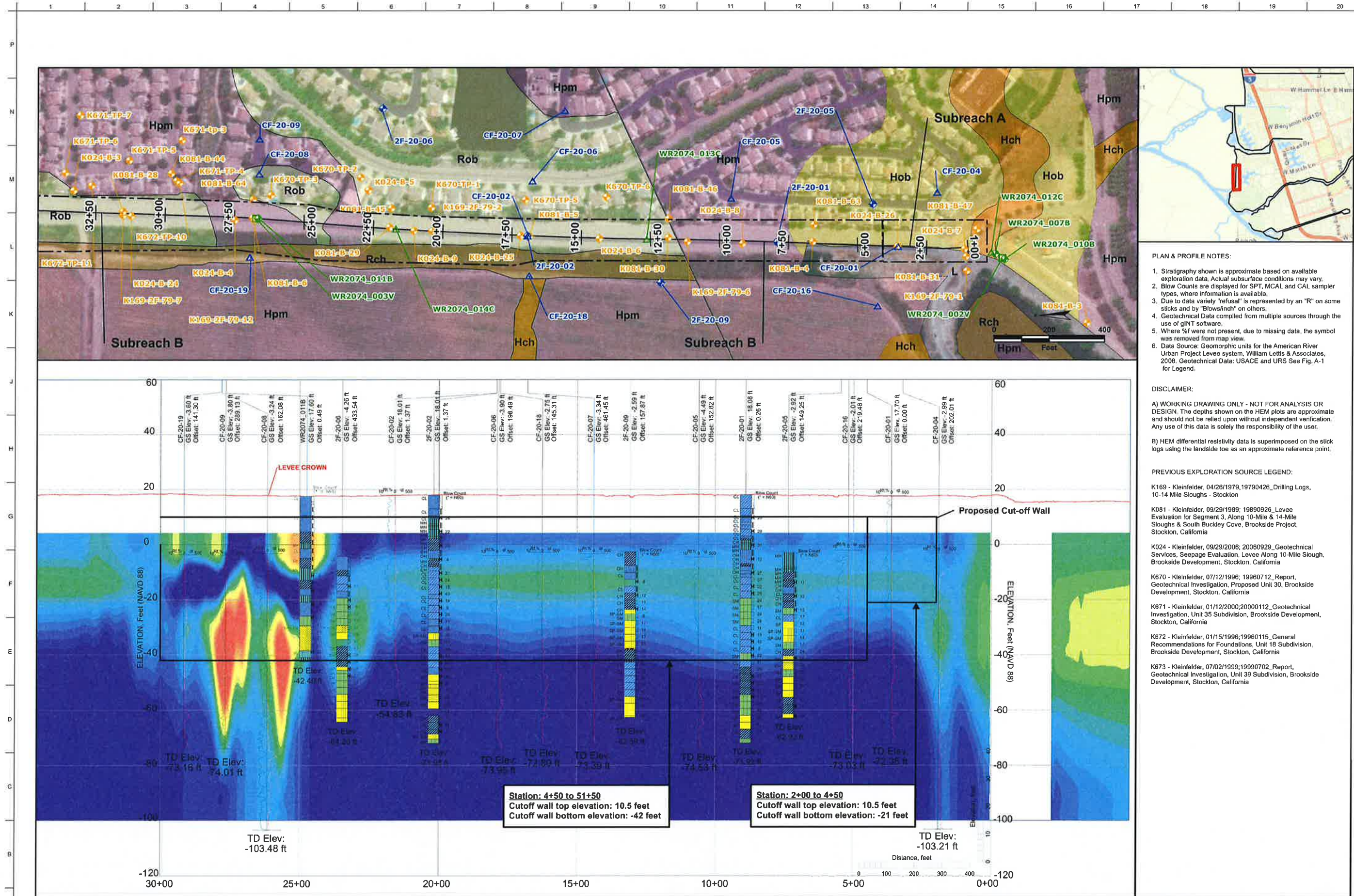
DESIGNED BY: DMV/MAB DRAWN BY: M. HARRINGTON CHECKED BY: K. BRUSTAD SUBMITTED BY: D. PETERSON SIZE: ANS/D	U.S. ARMY CORPS OF ENGINEERS SACRAMENTO DISTRICT 1325 J ST. SACRAMENTO, CA 95814 PETERSON BRUSTAD INC. 80 BLUE RAVINE RD SUITE 280 FOLSOM, CA 95630	ISSUE DATE: 08/15/2011 SOLICITATION NO.: XXXXXX-XXX-XXXX CONTRACT NO.: W9123B-15-D-0005
--	---	--

LOWER SAN JOAQUIN RIVER REACH
 IS-3011 LEVEE IMPROVEMENT
 SAN JOAQUIN COUNTY, CALIFORNIA

**STAGING AND STOCKPILE AREA AND
 HAUL ROUTES**

SHEET ID
G-006

95% SUBMITTAL



- PLAN & PROFILE NOTES:**
1. Straligraphy shown is approximate based on available exploration data. Actual subsurface conditions may vary.
 2. Blow Counts are displayed for SPT, MCAL and CAL sampler types, where information is available.
 3. Due to data variety "refusal" is represented by an "R" on some sticks and by "Blows/inch" on others.
 4. Geotechnical Data compiled from multiple sources through the use of gINT software.
 5. Where %I were not present, due to missing data, the symbol was removed from map view.
 6. Data Source: Geomorphic units for the American River Urban Project Levee system, William Lettis & Associates, 2008. Geotechnical Data: USACE and URS See Fig. A-1 for Legend.

DISCLAIMER:

A) WORKING DRAWING ONLY - NOT FOR ANALYSIS OR DESIGN. The depths shown on the HEM plots are approximate and should not be relied upon without independent verification. Any use of this data is solely the responsibility of the user.

B) HEM differential resistivity data is superimposed on the stick logs using the landside toe as an approximate reference point.

- PREVIOUS EXPLORATION SOURCE LEGEND:**
- K169 - Kleinfelder, 04/26/1979, 19790426_Drilling Logs, 10-14 Mile Sloughs - Stockton
 - K081 - Kleinfelder, 09/29/1989; 19890926 Levee Evaluation for Segment 3, Along 10-Mile & 14-Mile Sloughs & South Buckley Cove, Brookside Project, Stockton, California
 - K024 - Kleinfelder, 09/29/2006; 20060929_Geotechnical Services, Seepage Evaluation, Levee Along 10-Mile Slough, Brookside Development, Stockton, California
 - K670 - Kleinfelder, 07/12/1996; 19960712_Report, Geotechnical Investigation, Proposed Unit 30, Brookside Development, Stockton, California
 - K671 - Kleinfelder, 01/12/2000; 20000112_Geotechnical Investigation, Unit 35 Subdivision, Brookside Development, Stockton, California
 - K672 - Kleinfelder, 01/15/1996; 19960115_General Recommendations for Foundations, Unit 18 Subdivision, Brookside Development, Stockton, California
 - K673 - Kleinfelder, 07/02/1999; 19990702_Report, Geotechnical Investigation, Unit 39 Subdivision, Brookside Development, Stockton, California



MARK	DESCRIPTION	DATE

DESIGNED BY: DMM / MBR	ISSUE DATE: AUGUST 2021
DRAWN BY: M. HARRINGTON	SUBSTITUTION NO.:
CHECKED BY: K. BRUSTAD	CONTRACT NO.:
SUBMITTED BY: D. PETERSON	WP1238-19-0-0005
ANSI/D	SIZE:

LOWER SAN JOAQUIN RIVER REACH
LEVEE IMPROVEMENT
SAN JOAQUIN COUNTY, CALIFORNIA

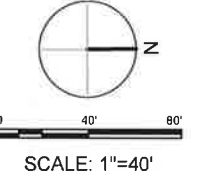
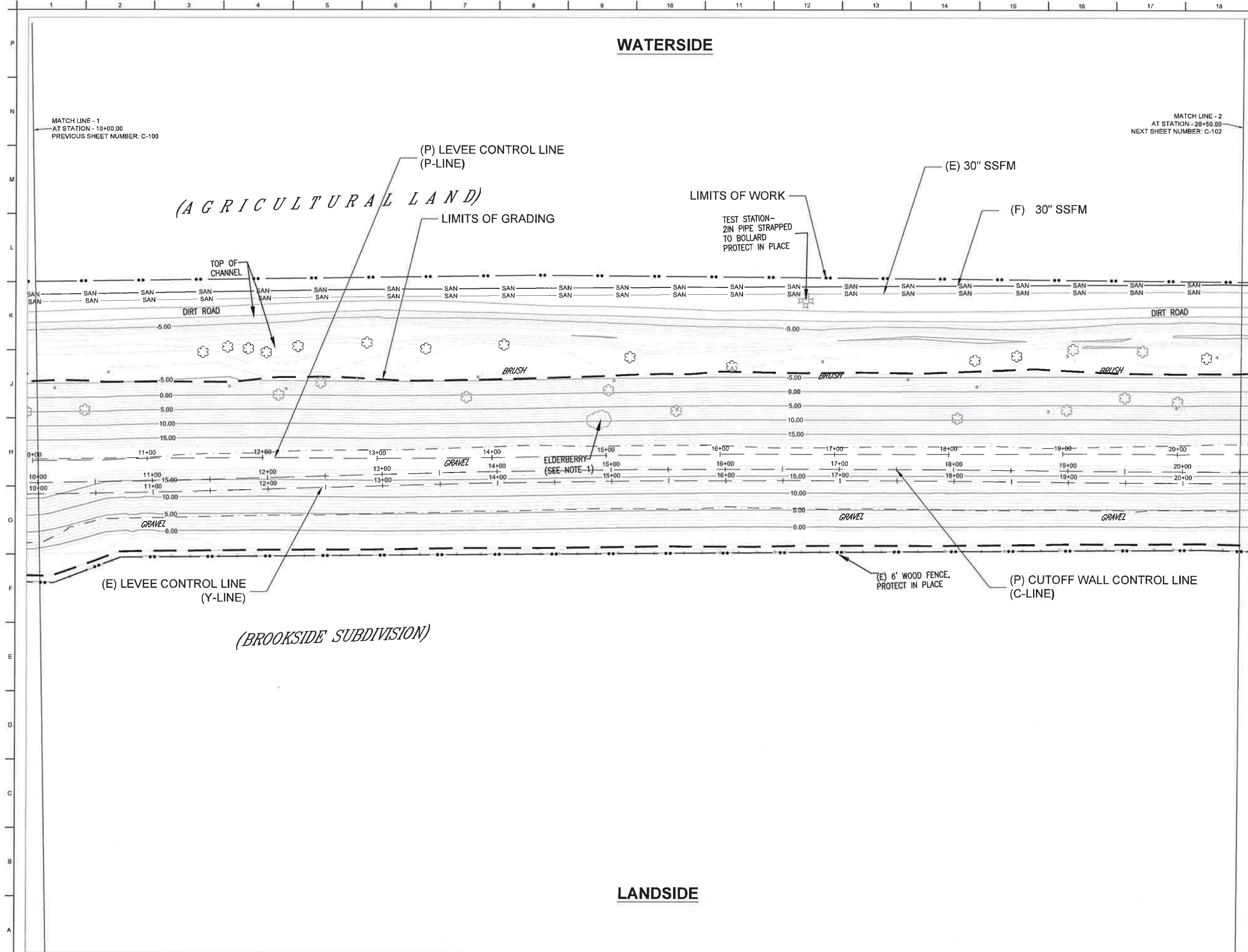
**BORING LOG PLAN AND PROFILE STA
1+00 TO 30+00**

SHEET ID
B-201

95% SUBMITTAL

WATERSIDE

LANDSIDE



NOTES

1. ELDERBERRY BUSH TO BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION
2. CONTOURS WITHIN LIMITS OF GRADING REFLECT THE PROPOSED LEVEE SURFACE. THE CONTOURS THAT CONTINUE OUTSIDE OF THE LIMITS OF GRADING REFLECT THE EXISTING LEVEE SURFACE.
3. PROTECT IN PLACE ALL UTILITIES



MARK	DESCRIPTION	DATE

DESIGNED BY: M. HARRINGTON	ISSUE DATE: AUGUST 2021
CHECKED BY: K. BRUSTAD	SCALE: AS SHOWN
SUBMITTED BY: D. PETERSON	CONTRACT NO.:
SIZE: ANSI D	W81238-19-0-005
U.S. ARMY CORPS OF ENGINEERS SACRAMENTO DISTRICT 1325 J ST. SACRAMENTO, CA 95814 PETERSON BRUSTAD INC. 80 BLUE PAVING SUITE 280 FOLSOM, CA 95630	

LOWER SAN JOAQUIN RIVER REACH
 TIS_30_1 LEVEE IMPROVEMENT
 SAN JOAQUIN COUNTY, CALIFORNIA

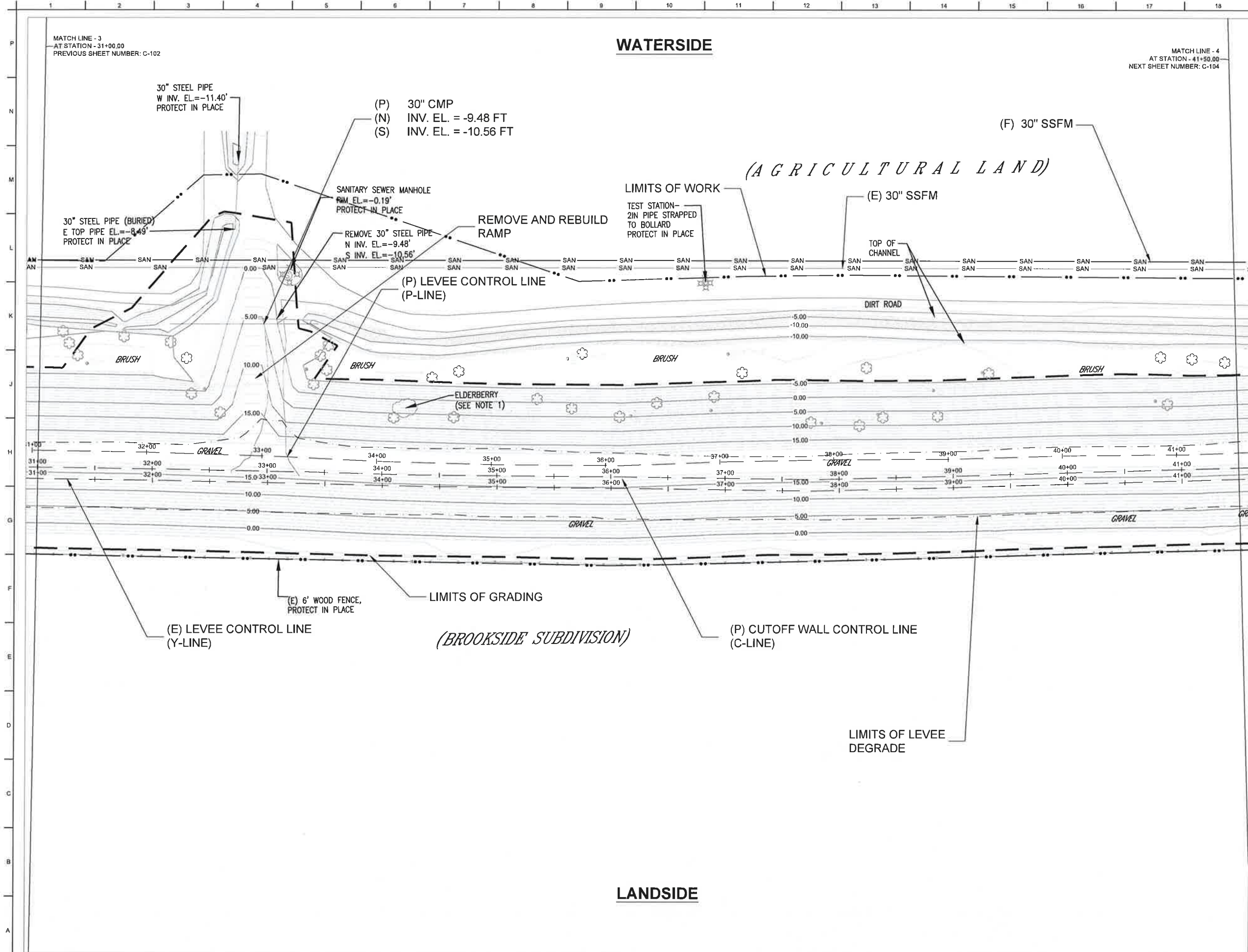
LEVEE PLAN STA 10+00 TO 20+50

SHEET ID
C-101

95% SUBMITTAL

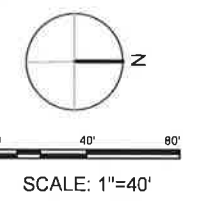
WATERSIDE

LANDSIDE



MATCH LINE - 3
AT STATION - 31+00.00
PREVIOUS SHEET NUMBER: C-102

MATCH LINE - 4
AT STATION - 41+50.00
NEXT SHEET NUMBER: C-104



NOTES

1. ELDERBERRY BUSH TO BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION
2. CONTOURS WITHIN LIMITS OF GRADING REFLECT THE PROPOSED LEVEE SURFACE. THE CONTOURS THAT CONTINUE OUTSIDE OF THE LIMITS OF GRADING REFLECT THE EXISTING LEVEE SURFACE.
3. PROTECT IN PLACE ALL UTILITIES.
4. SEE CROSS SECTION AT STA 32+85 ON SHEET C-314. SURFACE OF RAMP TO HAVE 6" AGGREGATE BASE COMPACT TO 90%

DATE	DESCRIPTION

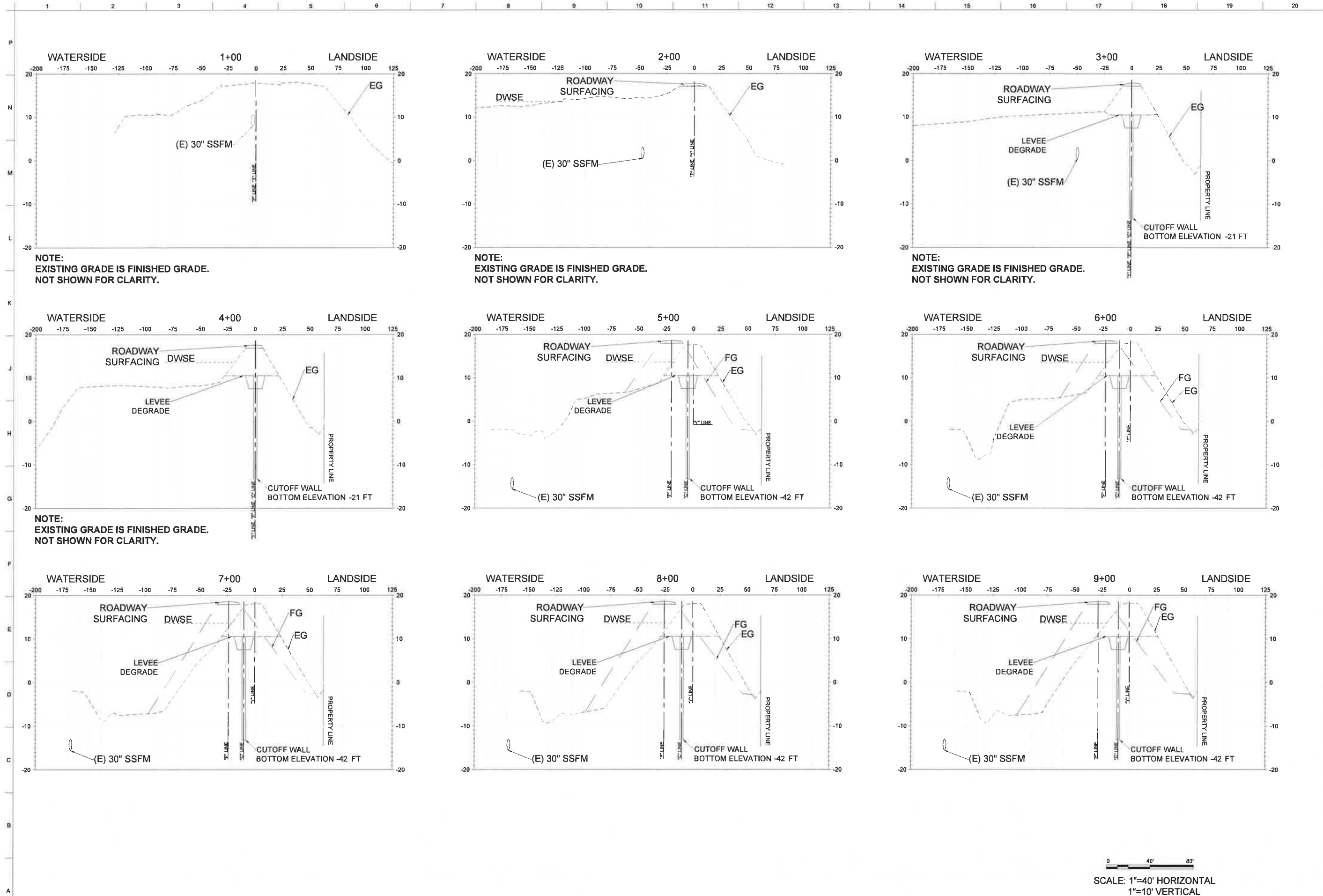
ISSUE DATE:	
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	
SUBMITTED BY:	
SIZE:	
ANSI D:	

U.S. ARMY CORPS OF ENGINEERS
SACRAMENTO DISTRICT
1325 J ST.
SACRAMENTO, CA 95814
PETERSON BRUSTAD INC.
80 BLUE RAVINE RD, SUITE 280
FOLSOM, CA 95630

LOWER SAN JOAQUIN RIVER REACH
15.30 L LEVEE IMPROVEMENT
SAN JOAQUIN COUNTY, CALIFORNIA
LEVEE PLAN STA 31+00 TO 41+50

SHEET ID
C-103

95% SUBMITTAL



DATE	DESCRIPTION	MARK

DESIGNED BY: DAN AMB	ISSUE DATE: AUGUST 2011
DRAWN BY: M. HARRINGTON	SOLICITATION NO.:
CHECKED BY: K. BRUSTAD	CONTRACT NO.:
SUBMITTED BY: D. PETERSON	W91238-19-D-0005
SIZE: ANSI D	

U.S. ARMY CORPS OF ENGINEERS
SACRAMENTO DISTRICT
1325 J ST.
SACRAMENTO, CA 95814
PETERSON BRUSTAD INC.
80 BLUE RAVINE RD SUITE 280
FOLSOM, CA 95630

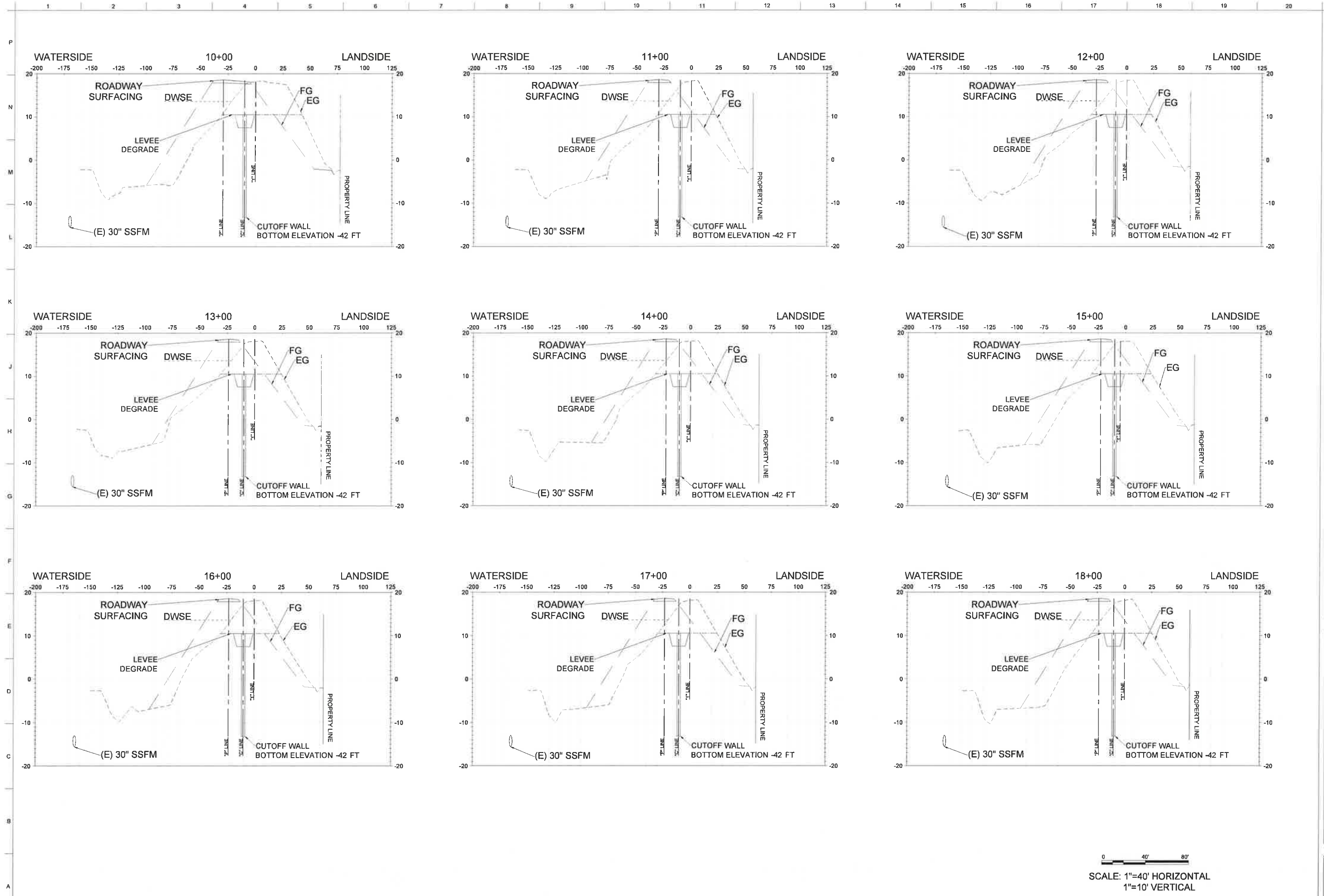
LOWER SAN JOAQUIN RIVER REACH
TS 36-1 LEVEE IMPROVEMENT
SAN JOAQUIN COUNTY, CALIFORNIA

CROSS SECTIONS STA 1+00 TO 9+00

SHEET ID
C-311

95% SUBMITTAL

0 40' 80'
SCALE: 1"=40' HORIZONTAL
1"=10' VERTICAL



MARK	DESCRIPTION	DATE

DESIGNED BY: M. HARRINGTON	ISSUE DATE: AUGUST 2020
CHECKED BY: K. BRUSTAD	PROJECT NO.:
DATE: AUGUST 2020	CONTRACT NO.:
DESIGNED BY: D. PETERSON	PROJECT NO.:
CHECKED BY: D. PETERSON	CONTRACT NO.:
DATE: AUGUST 2020	CONTRACT NO.:

U.S. ARMY CORPS OF ENGINEERS
 SACRAMENTO DISTRICT
 1325 J ST.
 SACRAMENTO, CA 95814
 PETERSON BRUSTAD INC.
 80 BLUE PALM DRIVE, SUITE 280
 FOLSOM, CA 95630

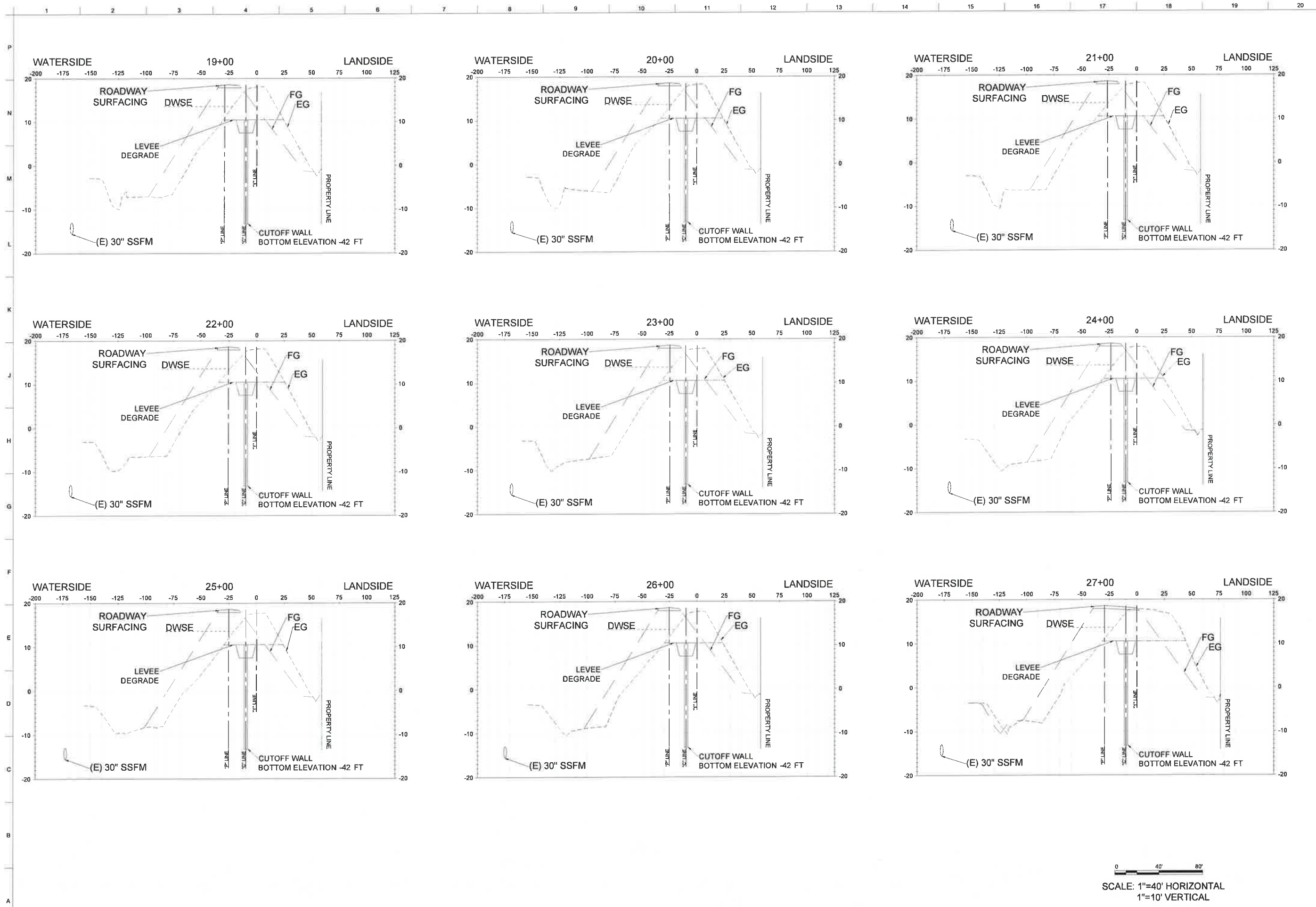
LOWER SAN JOAQUIN RIVER REACH
 175.30 L LEVEE IMPROVEMENT
 SAN JOAQUIN COUNTY, CALIFORNIA

CROSS SECTIONS STA 10+00 TO 18+00

SHEET ID
C-312

SCALE: 1"=40' HORIZONTAL
 1"=10' VERTICAL

95% SUBMITTAL



DATE	DESCRIPTION	MARK

DESIGNED BY: D.M. MILD	ISSUE DATE: AUGUST 2001
DRAWN BY: M. HARRINGTON	SOLICITATION NO.: XXXXXXXX-XXX-XXXX
CHECKED BY: K. BRUSTAD	CONTRACT NO.: W91238-19-D-0005
SUBMITTED BY: D. PETERSON	
SIZE: ANSI D	

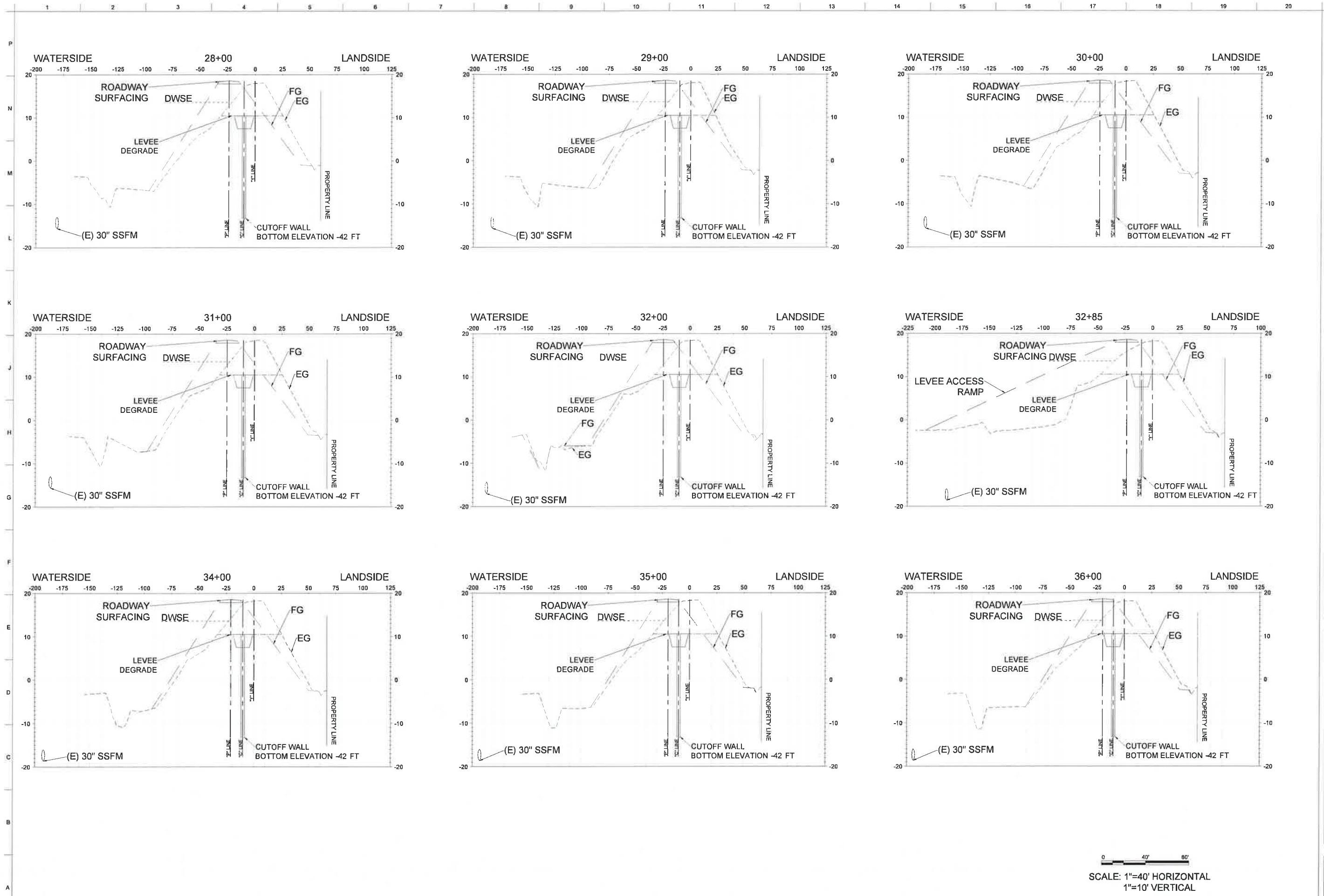
U.S. ARMY CORPS OF ENGINEERS
SACRAMENTO DISTRICT
1325 J ST.
SACRAMENTO, CA 95814
PETERSON BRUSTAD INC.
80 BLUE RAVINE RD SUITE 200
FOLSOM, CA 95630

LOWER SAN JOAQUIN RIVER REACH
TS_30_L LEVEE IMPROVEMENT
SAN JOAQUIN COUNTY, CALIFORNIA
CROSS SECTIONS STA 19+00 TO 27+00

0 40' 80'
SCALE: 1"=40' HORIZONTAL
1"=10' VERTICAL

SHEET ID
C-313

95% SUBMITTAL



MARK	DESCRIPTION	DATE

DESIGNED BY:	ISSUE DATE:
DRAWN BY:	SCALE:
CHECKED BY:	CONTRACT NO.:
SUBMITTED BY:	W91238-19-D-0005
SIZE:	ANSI D

U.S. ARMY CORPS OF ENGINEERS
 SACRAMENTO DISTRICT
 1325 J ST.
 SACRAMENTO, CA 95814
 PETERSON BRUSTAD INC.
 80 BLUE RAVINE BOULEVARD
 FOLSOM, CA 95630

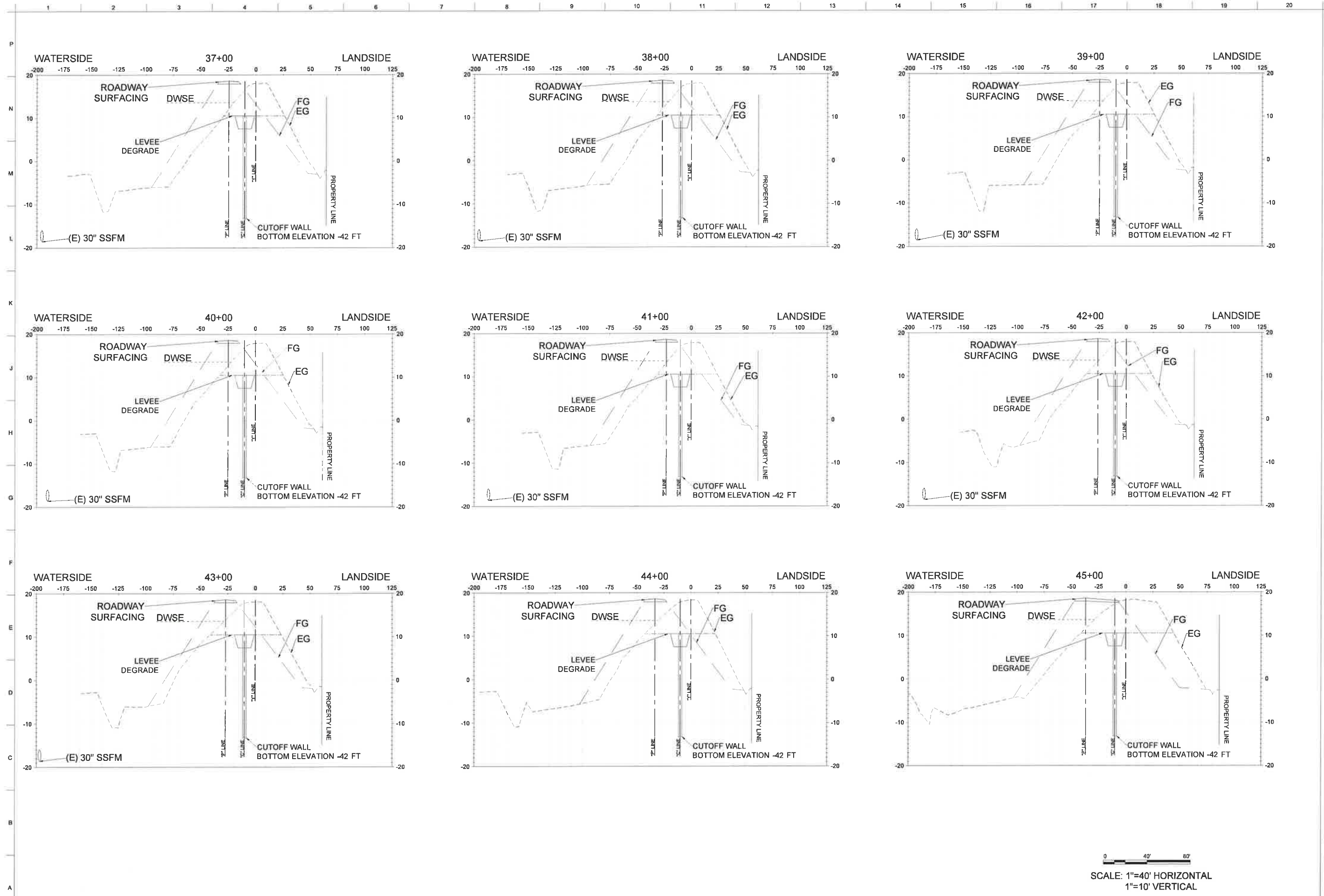
LOWER SAN JOAQUIN RIVER REACH
 TS_30-1 LEVEE IMPROVEMENT
 SAN JOAQUIN COUNTY, CALIFORNIA

CROSS SECTIONS STA 28+00 TO 36+00

SHEET ID
C-314

0 40' 80'
 SCALE: 1"=40' HORIZONTAL
 1"=10' VERTICAL

95% SUBMITTAL



MARK	DESCRIPTION	DATE

DESIGNED BY: DMV/TMR	ISSUE DATE: AUGUST 2021
DRAWN BY: SACRAMENTO DISTRICT	SOLICITATION NO.:
CHECKED BY: K. BRUSTAD	CONTRACT NO.:
SUBMITTED BY: D. PETERSON	WP1238-19-D-0005
ANSI D	SIZE:

U.S. ARMY CORPS OF ENGINEERS
SACRAMENTO DISTRICT
1325 J ST.
SACRAMENTO, CA 95814

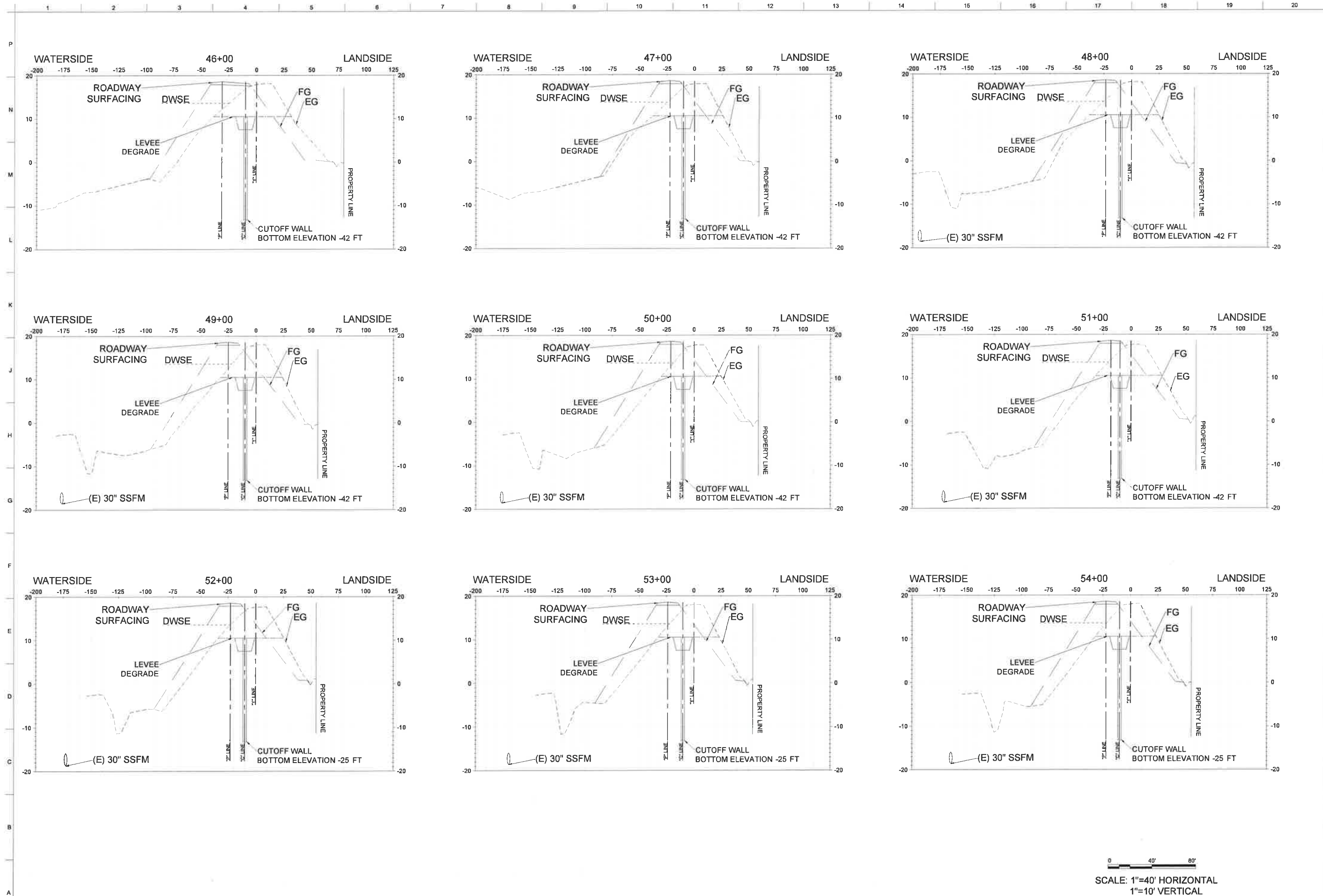
PETERSON BRUSTAD INC
80 BLUE PAVINE RD SUITE 280
FOLSOM, CA 95630

CROSS SECTIONS STA 37+00 TO 45+00

SHEET ID
C-315

0 40' 80'
SCALE: 1"=40' HORIZONTAL
1"=10' VERTICAL

95% SUBMITTAL



MARK	DESCRIPTION	DATE

DESIGNED BY: DAMIANK	ISSUE DATE: AUGUST 2021
CHECKED BY: M. HARRINGTON	SCALE: AS SHOWN
SUBMITTED BY: K. BRUSTAD	CONTRACT NO.:
SIZE: ANSI D	WB1238-19-D-0005

U.S. ARMY CORPS OF ENGINEERS
SACRAMENTO DISTRICT
1325 J ST.
SACRAMENTO, CA 95814

PETERSON BRUSTAD INC.
80 BLVD
FOLSOM, CA 95630

LOWER SAN JOAQUIN RIVER REACH
TS_30_L LEVEE IMPROVEMENT
SAN JOAQUIN COUNTY, CALIFORNIA

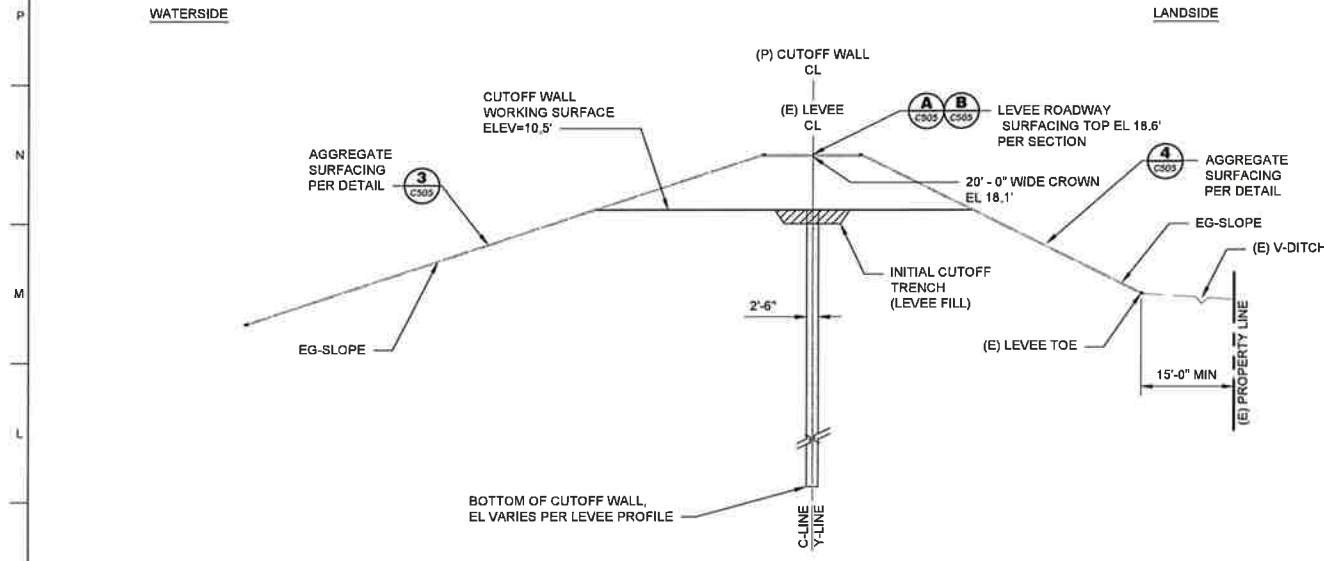
CROSS SECTIONS STA 46+00 TO 54+00

SHEET ID
C-316

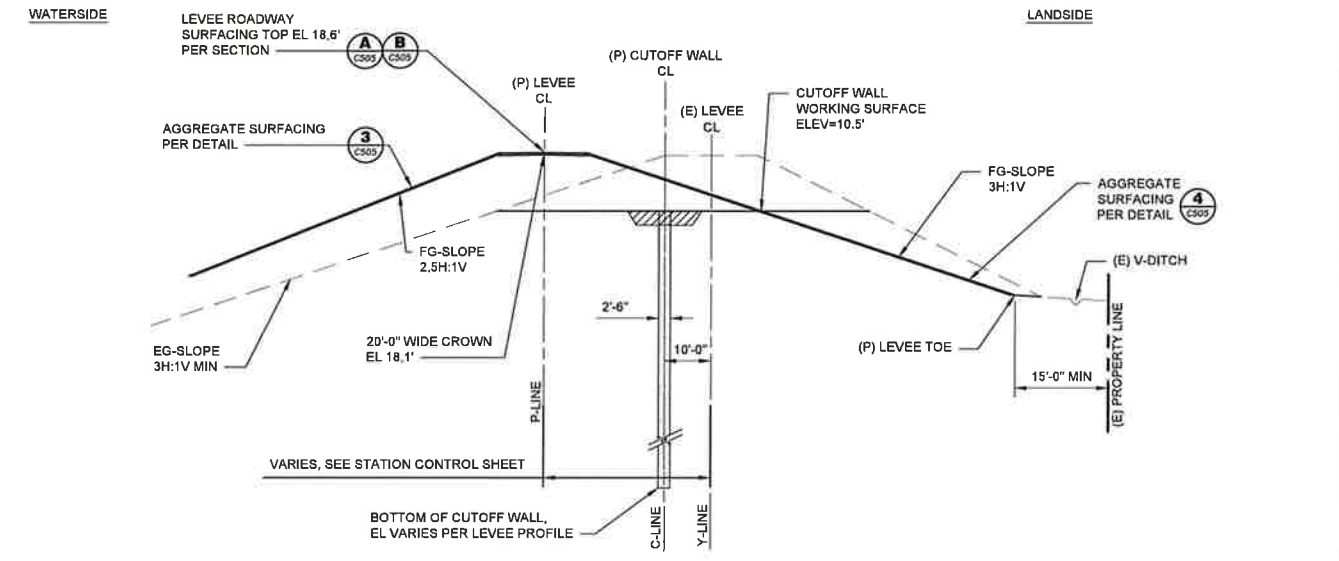
0 40' 80'

SCALE: 1"=40' HORIZONTAL
1"=10' VERTICAL

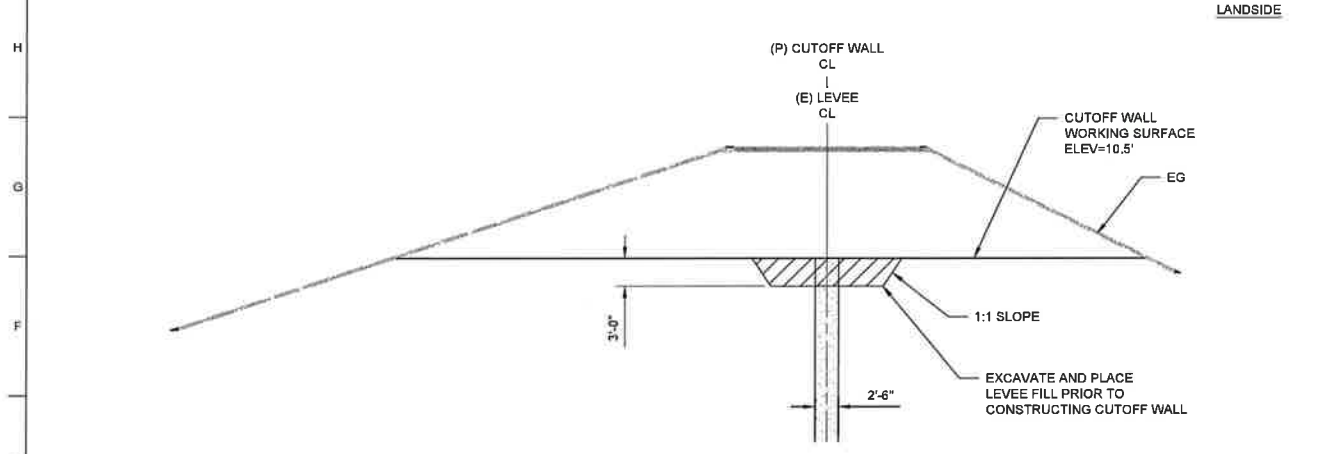
95% SUBMITTAL



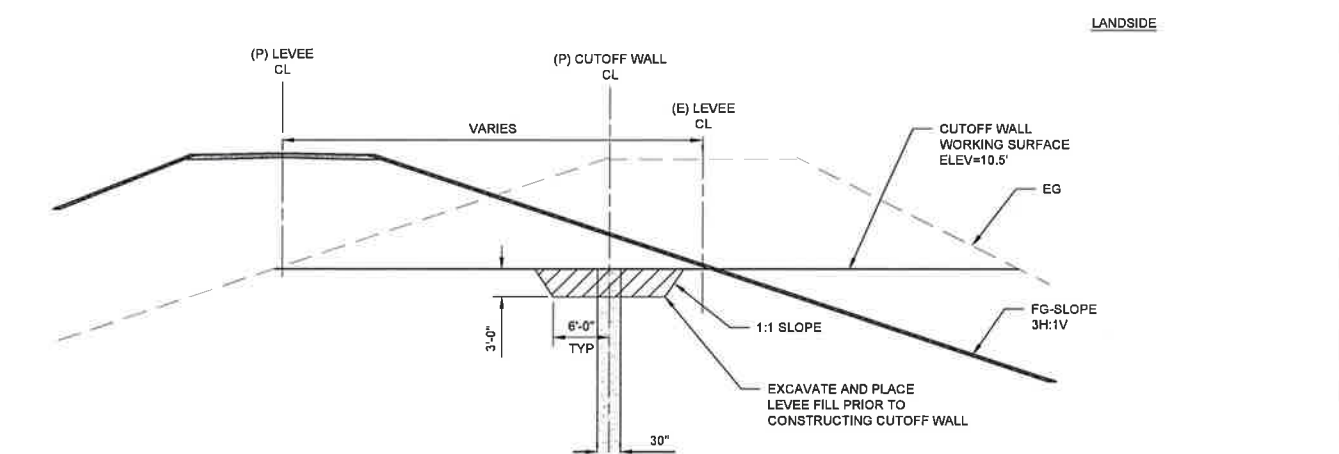
CUTOFF WALL - TYPICAL SECTION (STA 2+00 TO STA 4+50)
SCALE: 1"=20'



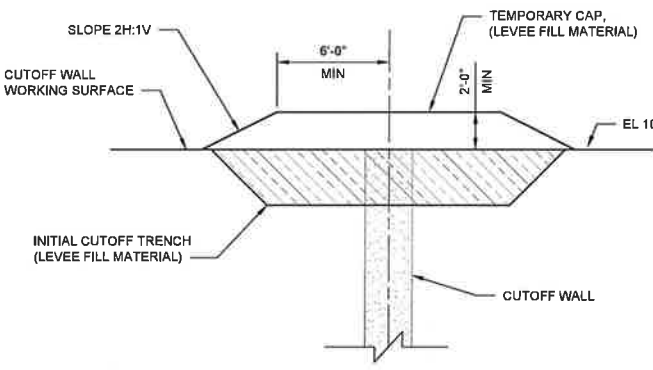
CUTOFF WALL - TYPICAL SECTION (STA 4+50 TO STA 61+00)
SCALE: 1"=20'



CUTOFF WALL - TYPICAL DETAIL (STA 2+00 TO STA 4+50)
SCALE: 1"=10'



CUTOFF WALL - TYPICAL DETAIL (STA 4+50 TO STA 61+00)
SCALE: 1"=10'



CUTOFF WALL TEMPORARY CAP DETAIL



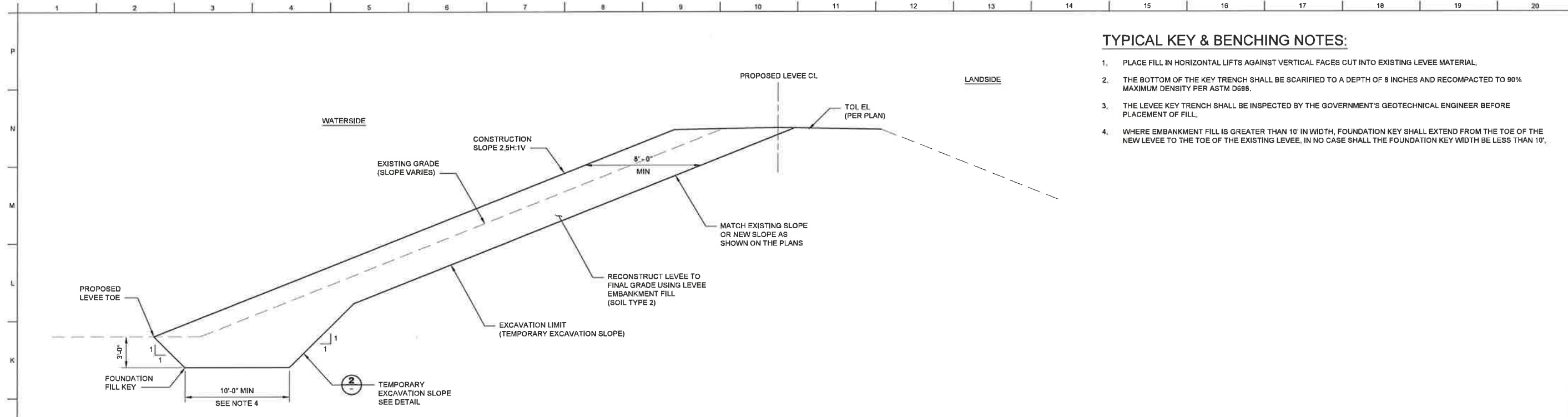
MARK	DESCRIPTION	DATE

DESIGNED BY: DMM / M.R.	ISSUE DATE: AUGUST 2001
DRAWN BY: M. HARRINGTON	SOLICITATION NO.: XXXXXX-XX-XX-XX
CHECKED BY: K. BRUSTAD	CONTRACT NO.: W91238-19-D-0005
SUBMITTED BY: D. PETERSON	
SIZE: ANSI D	
U.S. ARMY CORPS OF ENGINEERS SACRAMENTO DISTRICT 1325 J ST. SACRAMENTO, CA 95814	
PETERSON BRUSTAD INC. 80 BLUE RAVINE RD SUITE 280 FOLSOM, CA 95630	

LOWER SAN JOAQUIN RIVER REACH
TS 30.1 LEVEE IMPROVEMENT
SAN JOAQUIN COUNTY, CALIFORNIA

LEVEE CUTOFF WALL SECTION AND
DETAIL

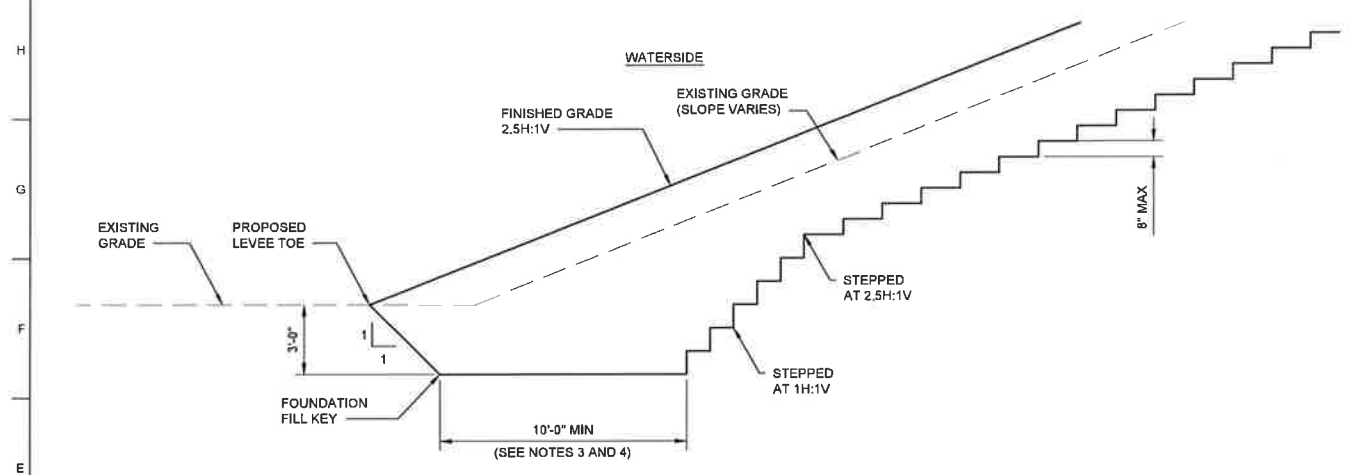
SHEET ID
C-501



TYPICAL KEY & BENCHING NOTES:

1. PLACE FILL IN HORIZONTAL LIFTS AGAINST VERTICAL FACES CUT INTO EXISTING LEVEE MATERIAL.
2. THE BOTTOM OF THE KEY TRENCH SHALL BE SCARIFIED TO A DEPTH OF 8 INCHES AND RECOMPACTED TO 90% MAXIMUM DENSITY PER ASTM D698.
3. THE LEVEE KEY TRENCH SHALL BE INSPECTED BY THE GOVERNMENT'S GEOTECHNICAL ENGINEER BEFORE PLACEMENT OF FILL.
4. WHERE EMBANKMENT FILL IS GREATER THAN 10' IN WIDTH, FOUNDATION KEY SHALL EXTEND FROM THE TOE OF THE NEW LEVEE TO THE TOE OF THE EXISTING LEVEE, IN NO CASE SHALL THE FOUNDATION KEY WIDTH BE LESS THAN 10'.

1 TYPICAL KEY AND EXCAVATION LIMIT
NTS



2 FILL KEY AND BENCHING DETAIL
NTS



MARK	DESCRIPTION	DATE

DESIGNED BY: DMITRUR M. BRUSTAD	ISSUE DATE: AUGUST 2021
CHECKED BY: K. BRUSTAD	SCOUR MON NO.:
SUBMITTED BY: D. PETERSON	CONTRACT NO.:
SIZE:	WP1238-19-D-005
ANSI D	

U.S. ARMY CORPS OF ENGINEERS
SACRAMENTO DISTRICT
1325 J ST.
SACRAMENTO, CA 95814

PETERSON BRUSTAD INC.
80 BLUE HAWK RD SUITE 280
FOLSOM, CA 95630

LOWER SAN JOAQUIN RIVER REACH
TS_30_L LEVEE IMPROVEMENT
SAN JOAQUIN COUNTY, CALIFORNIA

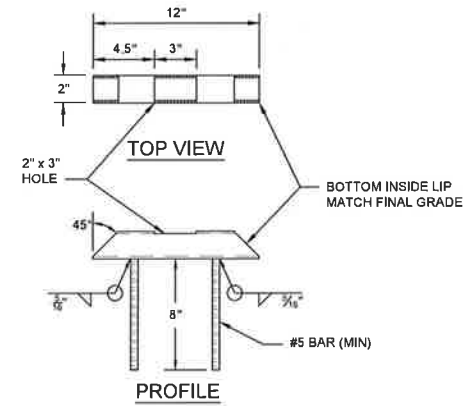
TYPICAL KEY AND BENCHING DETAILS

SHEET ID
C-503

95% SUBMITTAL

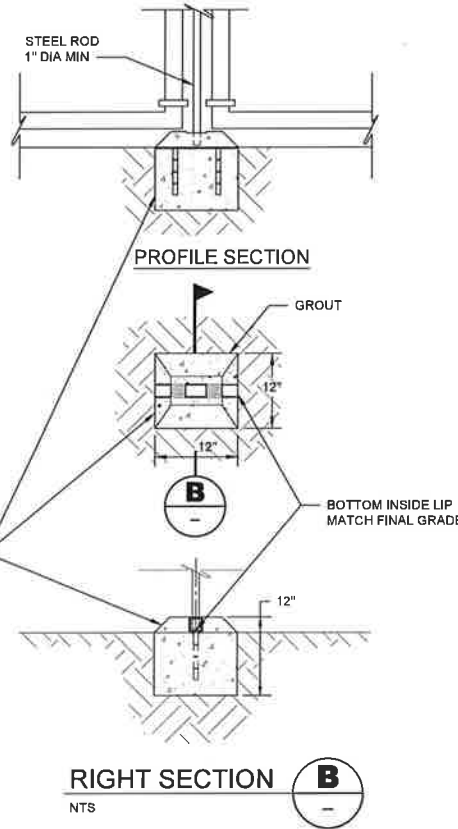
GENERAL NOTES:

1. LINE POSTS SHALL BE MIN 2½" O.D. SPACED AT MAX 10' O.C.
2. HORIZONTAL BRACE AND TOP RAIL SIZE SHALL BE MIN 1½" DIA.
3. END, CORNER, AND GATE POSTS SHALL BE MIN 2½" O.D. WITH 1½" O.D BRACE RAIL, ¾" TRUSS ASSEMBLY, 12-GAUGE TENSION BANDS SECURED AT MAX 12" O.C.
4. GATE FRAME SHALL BE FABRICATED FROM 2½" O.D. OR 2½" SQUARE MEMBERS WELDED AT ALL CORNERS.
5. CHAIN LINK FABRIC SHALL BE SECURED TO LINE POST AND TOP RAIL USING 9-GAUGE TIE WIRE SPACED AT MAX 12" O.C.
6. PROVIDE NO TRESPASSING* SIGNAGE GATE.

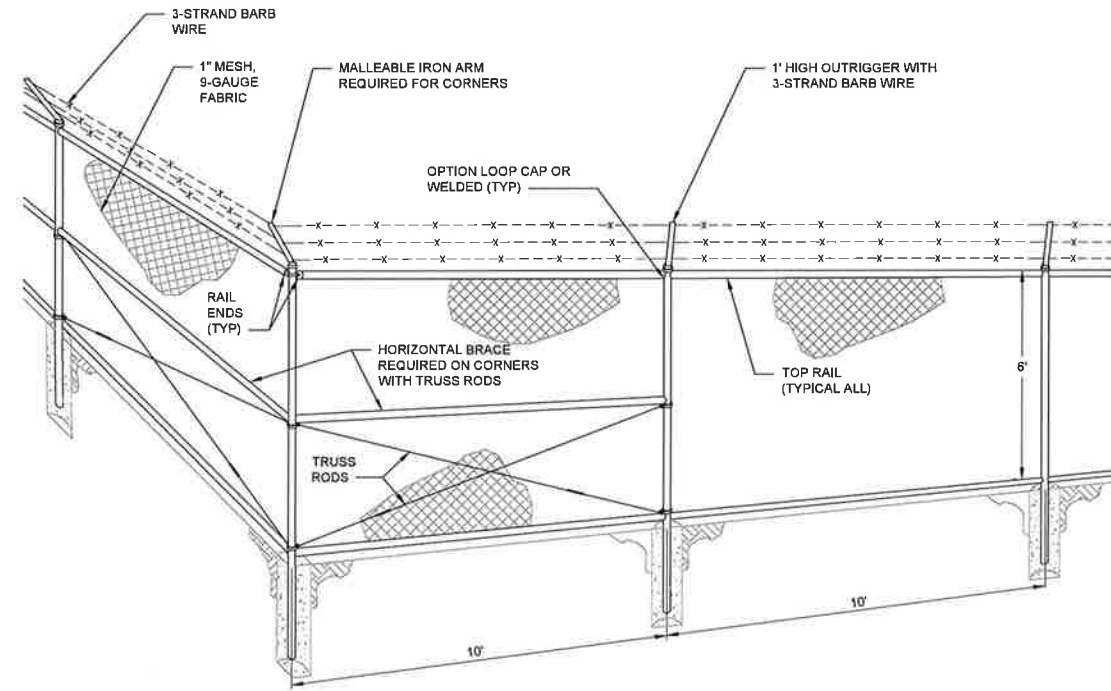


2" SQUARE TUBING DETAIL
NTS

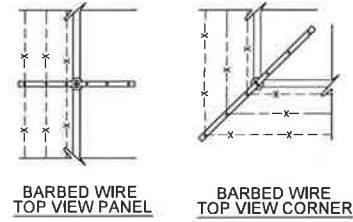
12"W x 12"L x 12"D CONCRETE BASE WITH 2" (SQ. TUBING) x 0.250" WALL TH. x 12"L, CUT ONE 3" x 2" HOLE IN TOP AND ANGLE CUT BOTH ENDS 45° FROM HORIZONTAL. REINFORCE WITH 2 EA #5 BAR x 8"L WELDED @ EQUAL DISTANCES SEE DETAIL ABOVE. BOTTOM INSIDE LIP OF SQUARE TUBING SHALL MATCH FINAL GRADE. DO NOT BLOCK ENDS OF SQUARE TUBING WITH CONCRETE.



RIGHT SECTION B
NTS

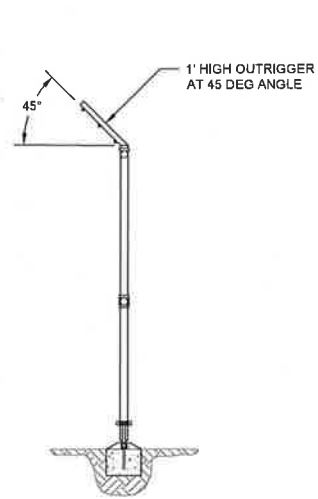


CORNER DETAIL 2
NTS

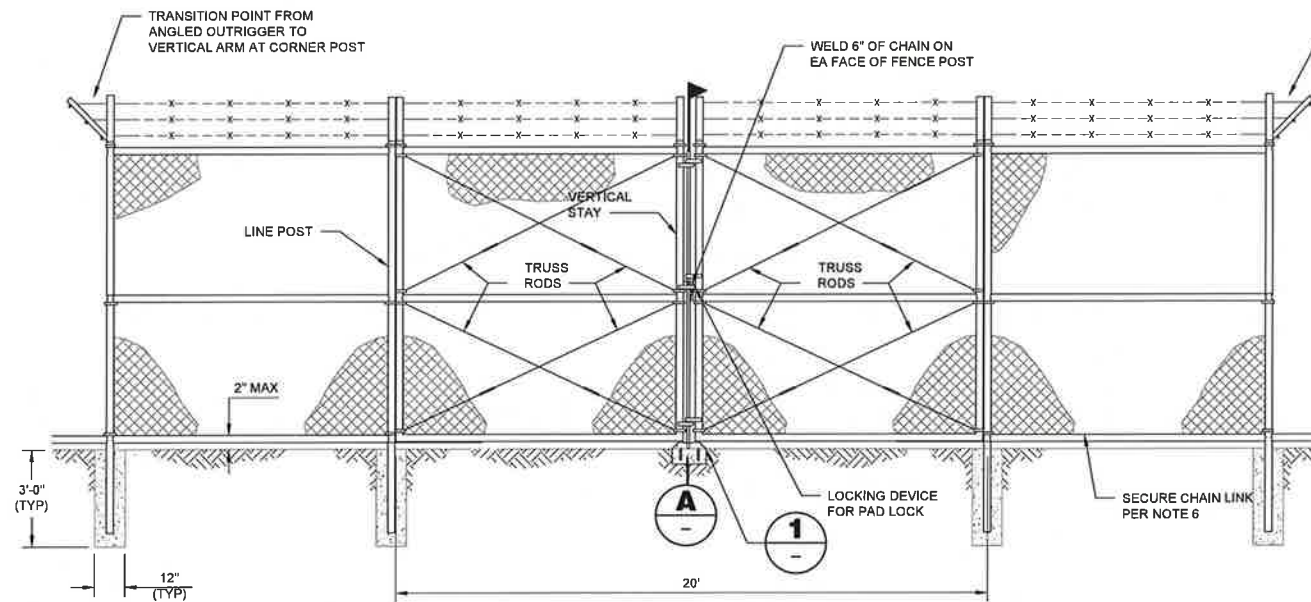


BARBED WIRE DETAILS
NTS

GATE ANTI-SWING FOOTING DETAIL 1
NTS

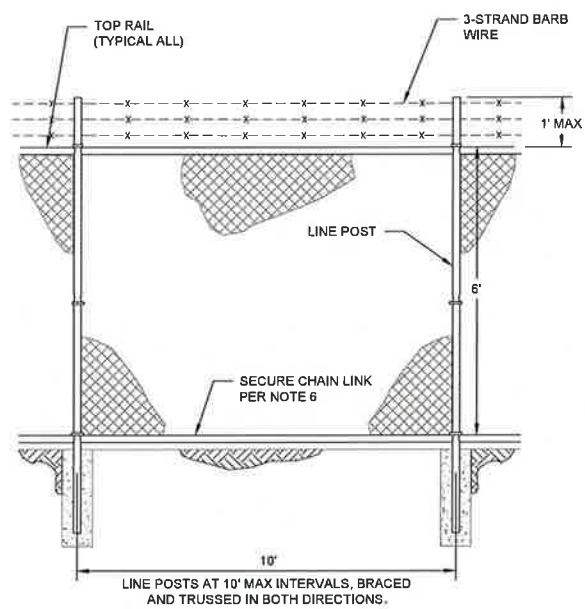


SIDE VIEW DETAIL 4
NTS

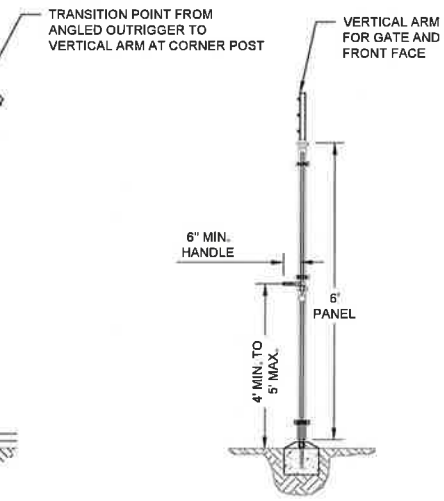


CHAIN LINK STANDARD FENCING DETAIL
NTS

MAINTENANCE GATE DETAIL 5
NTS



LINE POST DETAIL 3
NTS



GATE OPERATOR SECTION A
NTS



MARK	DESCRIPTION	DATE

DESIGNED BY: DIMV/MJR	ISSUE DATE: AUGUST 2021
DRAWN BY: M. HARRINGTON	SOLICITATION NO. XXXXXX-33-3300X
CHECKED BY: D. PETERSON	CONTRACT NO. W91236-19-D-3005
SUBMITTED BY: D. PETERSON	SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SACRAMENTO DISTRICT
1325 J ST.
SACRAMENTO, CA 95814
PETERSON BRUSTAD INC.
80 BLUE RAVINE RD SUITE 280
FOLSOM, CA 95630

LOWER SAN JOAQUIN RIVER BEACH
TS, 30 L LEVEE IMPROVEMENT
SAN JOAQUIN COUNTY, CALIFORNIA

SECURITY FENCE DETAILS

SHEET ID
C-506

95% SUBMITTAL

