American River Flood Control District

CA CVFPB Encroachment Permit – SMUD Power Line Replacement in Steelhead Creek near Interstate-80, Sacramento

Staff Report

Discussion:

The Sacramento Municipal Utilities District (SMUD) submitted an encroachment permit application to replace two existing power transmission lines across the Steelhead Creek flood channel near Interstate-80 in Sacramento.

The attached plans show the location for the transmission lines.

Recommendation:

The General Manager recommends that the Board of Trustees endorse the permit application for the SMUD transmission lines replacement.

APPLICATION FOR A CENTRAL VALLEY FLOOD PROTECTION BOARD
ENCROACHMENT PERMIT

Application No. _____
(For Office Use Only)

1. Description of proposed work being specific to include all items that will be covered under the issued permit.

Request to install 2 spans of 477 MCM crossing existing levees / train tracks, Levee clearance, new pole locations shown on drawing as A, B, C, & D. Install10' UG Easement from the substation to poles A & B. Increase Easement to accommodate (2) 6' x' 8' primary pull boxes, (1) N/O Loc "C" & (1) S/O Loc "D" approx. 10'. Increase Easement to accommodate (2) 6' x 8' primary pull box to replace in existing easement 5' wide down to Morrison Ave approx. .25mi South. Total 6 pull boxes

2. Project Location: Cargo/Northgate Substation County, in Section Sacramento

Township: _____ (N) (S), Range: _____ (E) (W), M. D. B. & M.

Latitude: 38.646293 Longitude: -121.473684

Stream: _____ , Levee : Reclamation 1000 Designated Floodway: _____

APN: 237-0031-038-0000

3. SMUD of 6201 S Street, MS: B209,
Name of Applicant / Land *Owner* Address

Sacramento | CA | 95817 | 916-732-5032
City | State | Zip Code | Telephone Number

jennifer.navarro-yhap@smud.org
E-mail

4. Jennifer Navarro-Yhap of SMUD
Name of Applicant's Representative Company

Sacramento | CA | 95817 | 916-732-5032
City | State | Zip Code | Telephone Number

_____
E-mail

5. Endorsement of the proposed project from the Local Maintaining Agency (LMA):

We, the Trustees of _____ approve this plan, subject to the following conditions:
Name of LMA

☐ Conditions listed on back of this form ☐ Conditions Attached ☐ No Conditions

Trustee Date Trustee Date

Trustee Date Trustee Date

APPLICATION FOR A CENTRAL VALLEY FLOOD PROTECTION BOARD
ENCROACHMENT PERMIT

6. Names and addresses of adjacent property owners sharing a common boundary with the land upon which the contents of this application apply. If additional space is required, list names and addresses on back of the application form or an attached sheet.

Name	Address	Zip Code
Reclamation District 1000	4298 Northgate Blvd., Sacramento, CA	95834
Western Pacific Railroad	Northgate Blvd., Sacramento, CA	95838
City of Sacramento	Pell Dr, Sacramento, CA	95838
City of Sacramento	Morrison Ave, Sacramento, CA	95838
Sacto/San Joaquin Drainage District	North Ave, Sacramento, CA	95838

7. Has an environmental determination been made of the proposed work under the California Environmental Quality Act of 1970? ☐ Yes ☒ No ☐ Pending

If yes or pending, give the name and address of the lead agency and State Clearinghouse Number:

N/A

SCH No. N/A

8. When is the project scheduled for construction? 5/28/2027

9. Please check exhibits accompanying this application.

A. ☐ Regional and vicinity maps showing the location of the proposed work.

B. ☒ Drawings showing plan view(s) of the proposed work to include map scale.

C. ☐ Drawings showing the cross section dimensions and elevations (vertical datum?) of levees, berms, stream banks, flood plain,

D. ☒ Drawings showing the profile elevations (vertical datum?) of levees, berms, flood plain, low flow, etc.

E. ☐ A minimum of four photographs depicting the project site.

Jennifer Navarro-Ghap — Signature of Applicant — 9/15/2026 — Date

Date

Include any additional information:

4-20-2026
I WILL NEED TO INSTALL 2 SPANS OF 477MCM CROSSING EXISTING LEVEES/TRAIN TRACKS. LEVEE CLEARANCE. THE NEW POLE LOCATIONS ARE SHOWN AS "A, B, C & D". I WILL ALSO NEED A 10 UG EASEMENT FROM THE SUBSTATION TO POLES A & B.

NEED A 5' UG EASEMENT IN 69KV EASEMENT TO GET FROM NEW 12KV EASEMENT TO POLES AT LOC "A" & "B"

INCREASE EASEMENT TO ACCOMIDATE (2)6'X8' PRIMARY PULL BOXES, 1 N/O LOC "C" & 1 S/O LOC "D". APPROX 10'

INCREASE EASEMENT TO ACCOMIDATE 6'X8' PRIMARY PULL BOX TO REPLACE EXISTING PULL BOXES. EXISTING EASEMENT IS 5' WIDE DOWN TO MORRISON AVE APPROX .25MI SOUTH. 6 BOXES TOTAL.

JB
1-6"
1- KMP -1
750
277-480V
TX-01083584
1 - 3-500 & 1-4/0 CU 6" N

65 UD055554
UD193107

SW-2
SW-1
U-10393
SW-2
SW-1
DG-54850
1- KMP -4
75
120-208V
TX-01083574
1 - 3-2 & 1-4 QUAD AL 4" N

1-6" & 1-2"

PB

C

D

A

B

NEW 10' UG EASEMENT

UD193108 65 UD193108

65 UD120361
72 UD193109
UD193109

65 UD120362 72 UD193110

3-477 AAC 69 KV ABC

65 UD120368

E LEVEE RD

I 80 EB

I 80 WB

3-500 AL JN 6" 12 KV ABCN

1-6" & 1-2"

U-8318-S
750
277-480V
TX-01083427
PAR SEC SVC
1- KMP -1 JB
750
277-480V
TX-01083422
SW-1
U-8316 SW-2

W.P.R.R.

1-6" & 1-2"

3-500 AL JN 6" 12 KV ABCN

WESTERN AVE

UD186821 70 6013
6013
UD120355 73 UD197501

3-#2 AL JN 4" 12 KV ABCN

UNNAMED RD

60 UD120354

1-6"

2- KMP -2
500
277-480V
TX-01083429
1 - 3-500 & 1-4/0 AL 5" N

3-477 AAC 69 KV ABC

UNNAMED RD

UNNAMED RD

65 UD197502

UNNAMED RD

55 UD055549

65 UD197503

4- KMP -2
300
277-480V
TX-01080488

3- KMP -2
500
277-480V
TX-01083425

45 UD199626

N-1430

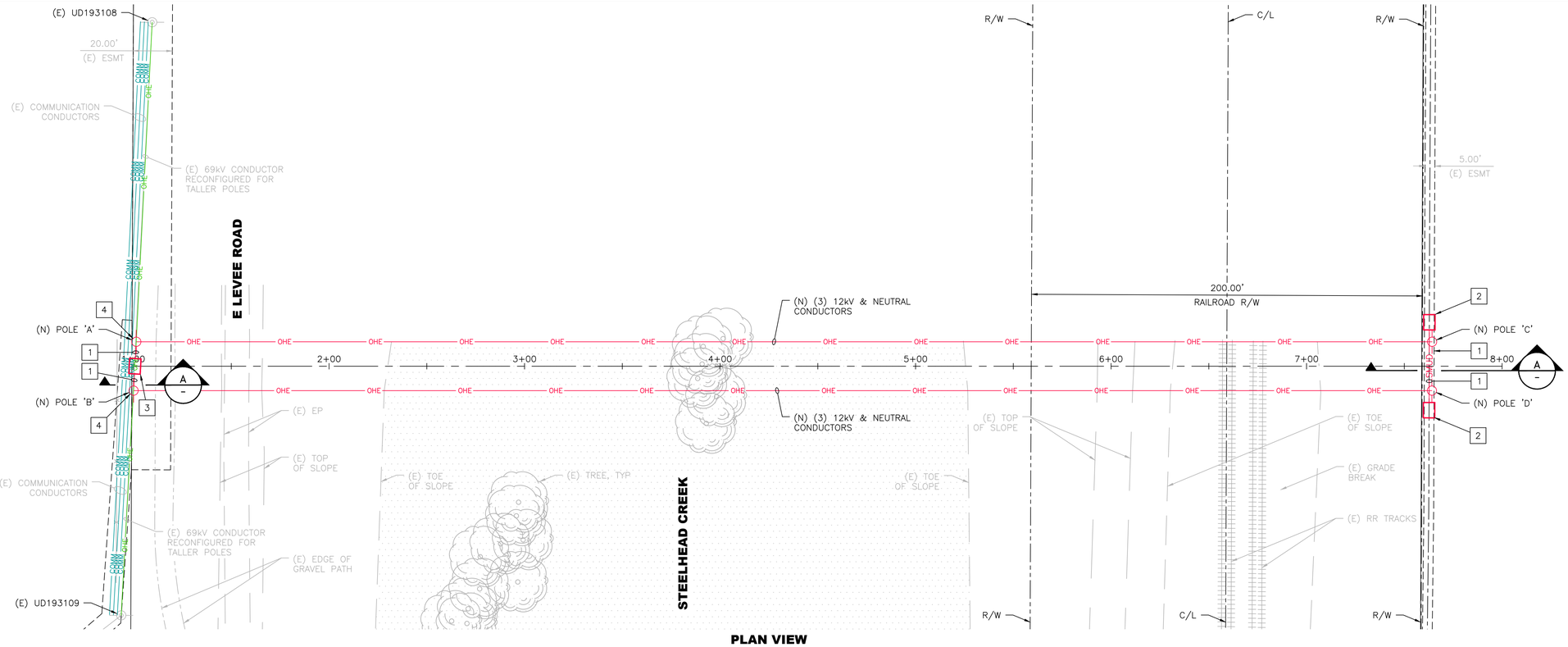
45 UD122702 46 UD195503

5603 50 UD122703 # 5603

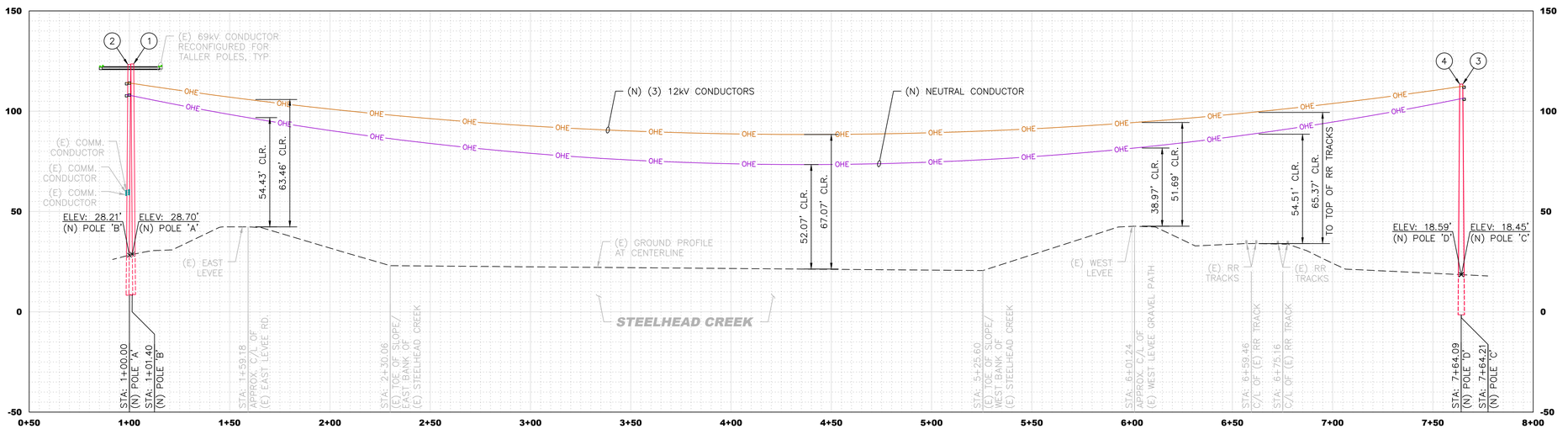
3-477 AAC & 1-1/0 AGSR

TB# 277F2

DESIGNER: MATT HOFFMAN	JOB NAME: CARGO NORTHGATE 12KV INSTALL
PHONE: (916) 732-4946	
DATE: 4/20/2026	LOCATION: 4100 NORTHGATE BL
MAP NUMBER: 354/159	TYPE OF DRAWING: SKETCH FOR LAND ACTION
SMUD SACRAMENTO MUNICIPAL UTILITY DISTRICT	JOB NUMBER: 30196547 / REV. 1 / SHEET 1 OF 1



PLAN VIEW



CARGO-NORTHGATE 12kV CROSSING PROFILE

SCALE: 1"=30'-0" (HORIZ.)
1"=30'-0" (VERT.)

LEGEND:

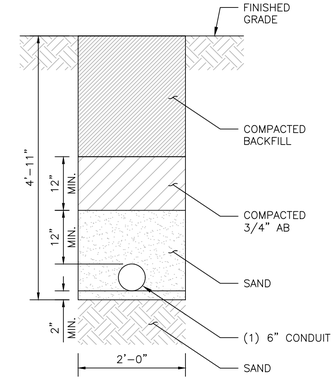
- OHE — GENERAL PATH OF (N) CONDUCTORS (PLAN VIEW ONLY)
- (N) STEEL POLE
- OHE — (E) 69kV CONUCTOR
- OHE — (N) 12kV CONDUCTOR
- OHE — (N) NEUTRAL CONDUCTOR
- COMM — (E) COMMUNICATION CONDUCTOR
- SMUD — (N) UNDERGROUND CONDUIT
- (N) 6'x8' PRIMARY PULLBOX

PLAN KEYNOTES:

1. (N) 24"x59" UG TRENCH W/ (N) 1-6" CONDUIT PER SECTION 'A'.
2. INCREASE EASEMENT TO ACCOMODATE (2) (N) 6'x8' PRIMARY PULLBOXES, (1) N/O POLE 'C' & (1) S/O POLE 'D', APPROX. 10'.
3. INCREASE EASEMENT TO ACCOMODATE (1) (N) 6'x8' PRIMARY PULLBOX BETWEEN POLE 'A' & POLE 'B'.
4. 5' UNDERGROUND EASEMENT IN 69kV EASEMENT TO GET FROM (N) 12kV EASEMENT TO POLE 'A' & POLE 'B'.

PROFILE KEYNOTES:

1. (N) DIRECT EMBED STEEL POLE 'A'
   TOTAL POLE HEIGHT = 115'
   ABOVE GROUND HEIGHT = 95'
   EMBEDMENT = 20'
2. (N) DIRECT EMBED STEEL POLE 'B'
   TOTAL POLE HEIGHT = 115'
   ABOVE GROUND HEIGHT = 95'
   EMBEDMENT = 20'
3. (N) DIRECT EMBED STEEL POLE 'C'
   TOTAL POLE HEIGHT: 115'
   ABOVE GROUND HEIGHT: 95'
   EMBEDMENT: 20'
4. (N) DIRECT EMBED STEEL POLE 'D'
   TOTAL POLE HEIGHT: 115'
   ABOVE GROUND HEIGHT: 95'
   EMBEDMENT: 20'



TYPICAL TRENCH SECTION A
SCALE: N.T.S.

TRENCH NOTES:

1. 6" SAND LAYER OR PEA GRAVEL BETWEEN BOTTOM OF THE TRENCH & ELECTRICAL CONDUIT IF SOIL IS ROCKY.
2. MAINTAIN 1'-0" MIN. RADIAL CLEARANCE (SAW CUT BEYOND TRENCH WIDTH) FROM ELECTRIC, GAS & COMM. CONDUITS.

GENERAL NOTES:

1. SAG ON CONDUCTOR SHOWN FOR WORST CASE CONDITION UNDER MAXIMUM OPERATING TEMPERATURE (194°F).
2. PROFILE SHOWS CONTROLLING CLEARANCE FOR SPANS AT RAILROAD & LEVEE BETWEEN POLE 'B' AND POLE 'D'.

0 30' 60'
1 IN = 30 FT

NO	DATE	REVISION	DR BY	CHKD BY	DESIGNER/ ENGINEER	SUPERVISOR
A	9/26	REVIEW PER DCN X_____ AND PER W.O. 30196547	RC	AK	RC/MGL	LG

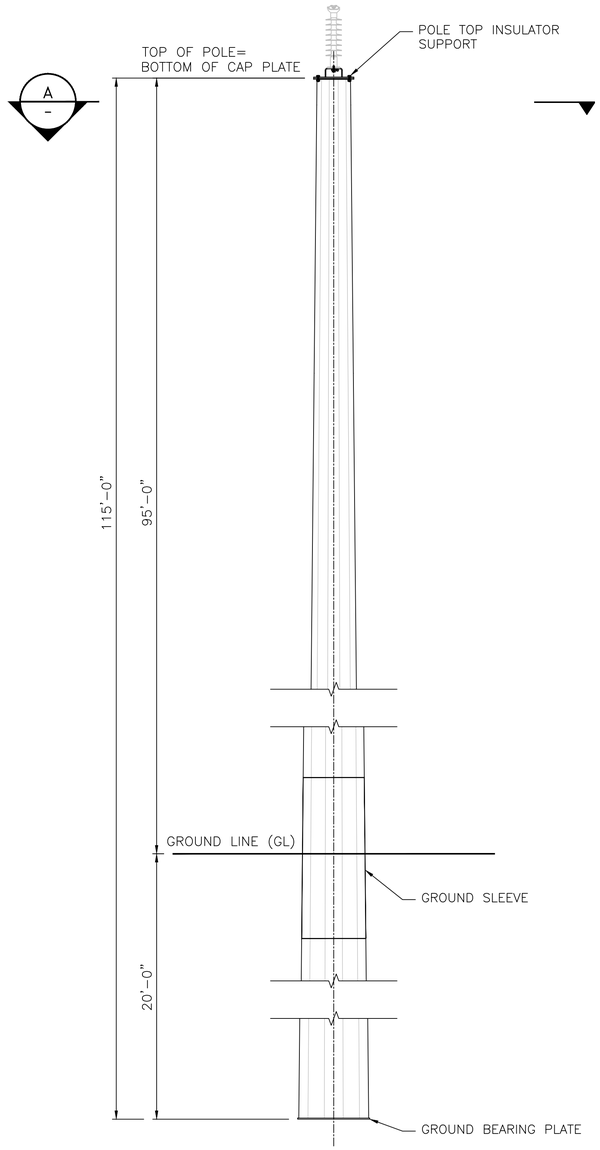
SHEET 1 OF 2

SCALE: AS SHOWN	SIZE: D	TITLE: CARGO-NORTHGATE 12kV CROSSING PLAN & PROFILE			
DR BY: RC	DATE: 9/26				
CHKD BY: AK	DATE: 9/26	LOCATION: CARGO-NORTHGATE 12KV INSTALL			UNIT NO
W.O. NUMBER: 30196547	DESIGNER/ENGINEER: RC/MGL	OVERLAY	SUPERVISOR: L. GIOVANNONI	RELEASE DATE	DCN: X_____

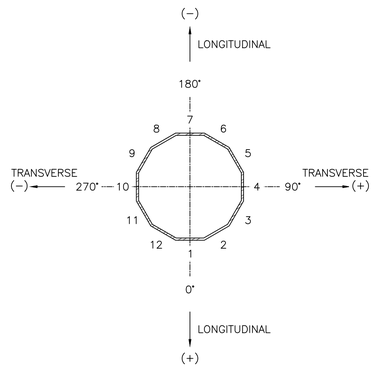
SMUD — SACRAMENTO MUNICIPAL UTILITY DISTRICT

DWG NO: EXHIBIT 1 — REVISION: A

DWG FILE: A:\project_constcapital_DIST OH\30196547-cargo northgate 12kv install\Designer\DLO - CARGO-NORTHGATE 12kV INSTALL.dwg
XREF: ._X-30196547 - POINTS.dwg



POLE ELEVATION
SCALE: N.T.S.



POLE FLAT ORIENTATION
SCALE: N.T.S.

A
-

SHEET 2 OF 2

NO	DATE	REVISION	DR BY	CHKD BY	DESIGNER/ ENGINEER	SUPERVISOR
A	9/26	REVIEW PER DCN X_____ AND PER W.O. 30196547	AK	AK	AK	LG

SCALE: AS SHOWN	SIZE: D	TITLE: DIRECT EMBED POLE DETAIL POLES A, B, C & D			
DR BY: AK	DATE: 9/26				
CHKD BY: AK	DATE: 9/26	LOCATION: CARGO-NORTHGATE 12KV INSTALL			UNIT NO
W.O. NUMBER: 30196547		DESIGNER/ENGINEER: AK	OVERLAY	SUPERVISOR: P. GARVEY	RELEASE DATE	DCN: X_____
SMUD SACRAMENTO MUNICIPAL UTILITY DISTRICT		DWG NO: DLO-C4M-D__				REVISION: A

DWG FILE: A:\project_constcapital_DIST OH\30196547-cargo northgate 12kv install\Designer\DLO-C4M-D__-A.dwg