

**ATTACHMENT A**

**HUFF'S CORNER LEVEE MAINTENANCE PROJECT  
PROJECT PLANS**

*(The version of the plans attached to this staff report have been resized to 8.5" x 11")*

**DISTRICT**  
YOLO COUNTY  
625 COURT ST, ROOM 202  
WOODLAND, CA 95695  
(530) 406-5773 FAX (530) 668-4029  
ATTN: ELISA SABATINI

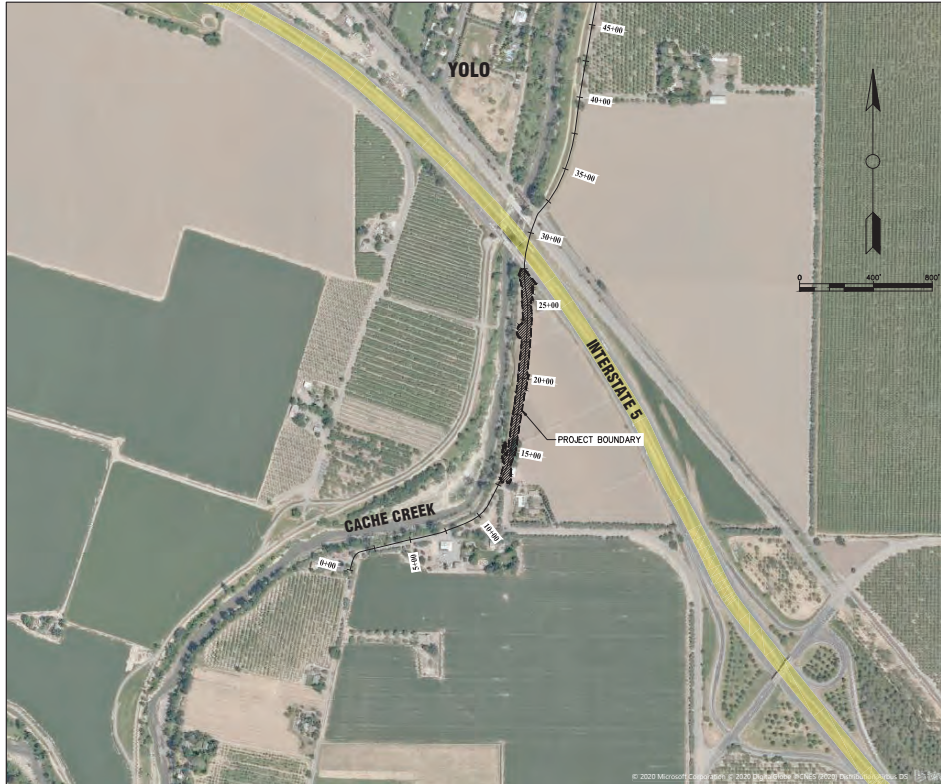
**DISTRICT ENGINEER**  
MBK ENGINEERS  
455 UNIVERSITY AVE., SUITE 100  
SACRAMENTO, CA 95825  
(916) 456-4400 FAX: (916) 456-0253  
ATTN: TOM ENGLER

# MAINTENANCE PLAN YOLO COUNTY HUFF'S CORNER LEVEE MAINTENANCE STA 12+60 TO 27+50 YOLO COUNTY, CALIFORNIA

CONTRACT NO. XX-XX-XX-XX

**GENERAL NOTES**

1. ALL GRADING, SITE PREPARATION, PLACING AND COMPACTION OF FILL TO BE DONE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER.
2. ALL CUT SLOPES SHALL BE ROUNDED TO MEET EXISTING GRADES AND BLEND WITH THE SURROUNDING TOPOGRAPHY.
3. ANY DEVIATION FROM APPROVED GRADING PLAN REQUIRES APPROVAL OF THE DISTRICT ENGINEER.
4. WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FINEST QUALITY ARE TO BE USED.
5. LINES AND GRADES: ALL DISTANCES AND MEASUREMENTS ARE GIVEN AND WILL BE MADE IN A HORIZONTAL PLANE. GRADES ARE GIVEN FROM THE TOP OF HUBS OR NAILS UNLESS OTHERWISE NOTED.
6. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT, 800-642-2444, TWO WORKING DAYS (48 HOURS) PRIOR TO ANY EXCAVATION. THE U.S.A. AUTHORIZATION NUMBER WILL BE KEPT AT THE JOB SITE.
7. SHOULD IT APPEAR THAT THE WORK TO BE DONE, OR ANY MATTER RELATIVE THERETO, IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE DISTRICT ENGINEER AT (916) 456-4400 FOR SUCH FURTHER EXPLANATION AS MAY BE NECESSARY.
8. THE CONTRACTOR SHALL COMPLY WITH ALL RULES, REGULATIONS AND PROCEDURES OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) FOR MUNICIPAL CONSTRUCTION AND INDUSTRIAL ACTIVITIES AS PROVIDED BY THE CALIFORNIA STATE WATER RESOURCE CONTROL BOARD OR ANY OF ITS REGIONAL WATER QUALITY CONTROL BOARDS.
9. THE CIVIL ENGINEERING DESIGN SHOWN HEREON WAS PREPARED IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING AND/OR SURVEYING PRACTICES APPLICABLE ON THE DATE OF THE SIGNATURE BY THE ENGINEER. IF CONSTRUCTION OF THE IMPROVEMENTS SHOWN HEREON DOES NOT COMMENCE WITHIN EIGHT MONTHS FROM THE DATE OF SIGNATURE BY THE DISTRICT ENGINEER, THE PLANS MUST BE REVIEWED FOR CURRENT COMPLIANCE WITH GENERALLY ACCEPTED ENGINEERING AND/OR SURVEYING PRACTICES AND REISSUED BY THE DISTRICT ENGINEER PRIOR TO ANY WORK BEING PERFORMED.
10. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE COUNTY AND THE DISTRICT ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR DISTRICT ENGINEER.
11. CONTRACTOR SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE STATE CONSTRUCTION SAFETY ORDERS. CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS FOR THE COUNTY, AMBULANCE, POLICE AND FIRE DEPARTMENTS.
12. CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION STAKING THAT MAY BE REQUIRED FOR THE PROJECT.
13. THE DISTRICT ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY WORK PERFORMED BY THE CONTRACTOR BASED ON DRAWINGS WHICH HAVE NOT BEEN SIGNED AND SEALED BY THE DISTRICT ENGINEER, APPROVED BY THE DISTRICT, AND SPECIFICALLY NOTED AS "APPROVED FOR CONSTRUCTION" BY THE DISTRICT ENGINEER. ALL INFORMATION SHOWN ON PRELIMINARY DRAWINGS IS SUBJECT TO CORRECTION AND/OR CHANGE AND THE CONTRACTOR SHALL PERFORM ANY AND ALL IMPROVEMENTS AT THEIR OWN RISK.
14. THE DISTRICT SHALL BE RESPONSIBLE FOR OBTAINING ALL EASEMENTS, RIGHTS-OF-ENTRY, ETC. NECESSARY TO CONSTRUCT ANY WORK SHOWN HEREON.
15. OBSTRUCTIONS INDICATED ARE FOR INFORMATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND DEPTH WITH THE APPROPRIATE AGENCIES PRIOR TO CONSTRUCTION. NEITHER THE DISTRICT NOR THE ENGINEER ASSUMES RESPONSIBILITY THAT THE OBSTRUCTIONS INDICATED WILL BE THE OBSTRUCTIONS ENCOUNTERED. ALL EXISTING ELEVATIONS SHOWN ARE AS MEASURED IN THE FIELD UNLESS OTHERWISE NOTED.
16. IF ARCHEOLOGIC MATERIALS ARE UNCOVERED DURING GRADING, TRENCHING OR OTHER EXCAVATION, EARTHWORK WITHIN 100 FEET OF THESE MATERIALS SHALL BE STOPPED UNTIL A PROFESSIONAL ARCHEOLOGIST WHO IS CERTIFIED BY THE SOCIETY OF CALIFORNIA ARCHEOLOGY (SCA), AND/OR THE SOCIETY OF PROFESSIONAL ARCHEOLOGY (SOPA) HAS HAD AN OPPORTUNITY TO EVALUATE THE SIGNIFICANCE OF THE FIND AND SUGGEST APPROPRIATE MITIGATION MEASURES, IF THEY ARE DEEMED NECESSARY.
17. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT WRITTEN AUTHORIZATION FROM THE DISTRICT ENGINEER.
18. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGGERS, OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY IN ACCORDANCE WITH DISTRICT, COUNTY AND CAL-OSHA SPECIFICATIONS.



**SITE PLAN**  
SCALE: 1"=400'

**LEGEND**

- |                         |                         |
|-------------------------|-------------------------|
| —●— CENTERLINE (CL)     | —○— EX. MAJOR CONTOUR   |
| --- EX. LEVEE HINGE     | --- EX. MINOR CONTOUR   |
| ----- EX. EDGE OF ROAD  | —○— PROP. MAJOR CONTOUR |
| ..... EX. TOP OF BANK   | --- PROP. MINOR CONTOUR |
| ○ GUY WIRE              | ----- PROP. LEVEE HINGE |
| ○ UTILITY POLE          | --- PROP. EDGE OF ROAD  |
| —OH— OVERHEAD UTILITIES | —X— EX. FENCE           |

**ABBREVIATIONS**

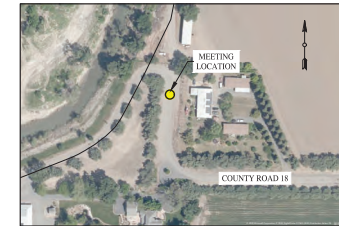
- |    |                |      |                        |
|----|----------------|------|------------------------|
| AB | AGGREGATE BASE | FG   | FINISH GRADE           |
| AC | ASPHALT PAVING | HMA  | HOT MIX ASPHALT        |
| CL | CENTERLINE     | PROP | PROPOSED               |
| EG | EXISTING GRADE | TYP  | TYPICAL                |
| EL | ELEVATION      | UNO  | UNLESS NOTED OTHERWISE |
| EX | EXISTING       |      |                        |

**EARTHWORK SUMMARY**

<b>IMPORT FILL</b>	
IMPORT FILL REQUIRED (ROUNDED)	20,000 CY
<b>AGGREGATE BASE</b>	
AGGREGATE BASE (ROUNDED)	1,100 TN



**VICINITY MAP**  
SCALE: N.T.S.



**PRECONSTRUCTION MEETING LOCATION MAP**  
SCALE: N.T.S.

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
C1	COVER SHEET AND NOTES
C2	SHEET INDEX MAP
C3	HAUL ROUTES AND STAGING AREA
C4	DETAILS
C5	PLAN AND PROFILE - STA 10+00 TO 20+00
C6	PLAN AND PROFILE - STA 20+00 TO 30+00
C7	CROSS SECTIONS - STA 10+00 TO 18+00
C8	CROSS SECTIONS - STA 19+00 TO 27+00

**BENCHMARK**

BENCHMARK HPGN CA 3 08  
BENCHMARK IS LOCATED ABOUT 2 MILES NE OF WOODLAND, CA, AT THE INTERSECTION OF INTERSTATE HIGHWAY 5 AND STATE HIGHWAY 16. THE BENCHMARK IS LOCATED IN THE SE END OF THE INTERCHANGE NEAR THE INTERSECTION OF STATE HIGHWAY 16 AND COUNTY ROAD 18. THE STATION IS A 2.5 INCH ALUMINUM DISC INSIDE A 6 INCH CASING WITH AN ALUMINUM ACCESS LID, LOCATED APPROXIMATELY 50 FEET NE OF THE CL OF COUNTY ROAD 18.  
ELEVATION = 76.63' (NAVD88)

**BASIS OF BEARINGS**

ALL BEARINGS ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM, ZONE 2.

**MBK ENGINEERS**  
455 UNIVERSITY AVE., SUITE 100  
SACRAMENTO, CALIFORNIA 95825  
Phone: (916) 456-4400 • Fax: (916) 456-0253

REVISION

NO.	DATE	APPROVED	DESCRIPTION

**BID SET**

YOLO COUNTY  
HUFF'S CORNER LEVEE MAINTENANCE  
Contract No. XXXX-XX-XX-XX

**COVER SHEET AND NOTES**

SCALE: AS SHOWN  
JOB NO.: 8327-2-11  
REQD BY: TT/TE  
DRAWN BY: AR/MC  
DATE: 05/08/2024

Bar Length On Original Drawing Equals One Inch. All Other Scale Accordingly.

SHEET C1 OF 8 SHEETS

REFERENCE LINE - ALIGNMENT STATION COORDINATES				
POINT #	STATION	NORTHING	EASTING	DESCRIPTION
1	0+00	2024287.90	6615660.87	Ex. CL Offset = 0.00'
2	1+00	2024382.42	6615692.39	Ex. CL Offset = 0.00'
3	2+00	2024424.76	6615779.52	Ex. CL Offset = 0.00'
4	3+00	2024447.70	6615876.85	Ex. CL Offset = 0.00'
5	4+00	2024471.43	6615974.00	Ex. CL Offset = 0.00'
6	5+00	2024494.71	6616071.22	Ex. CL Offset = 0.00'
7	6+00	2024515.32	6616169.05	Ex. CL Offset = 0.00'
8	7+00	2024539.03	6616266.19	Ex. CL Offset = 0.00'
9	8+00	2024572.54	6616360.27	Ex. CL Offset = 0.00'
10	9+00	2024609.33	6616453.26	Ex. CL Offset = 0.00'
11	10+00	2024660.08	6616539.07	Ex. CL Offset = 0.00'
12	11+00	2024735.28	6616603.24	Ex. CL Offset = 0.00'
13	12+00	2024823.87	6616649.63	Ex. CL Offset = 0.00'
14	13+00	2024913.57	6616693.83	Ex. CL Offset = 0.00'
15	14+00	2025004.48	6616734.65	Ex. CL Offset = 0.00'
16	15+00	2025102.66	6616753.61	Ex. CL Offset = 0.00'
17	16+00	2025200.85	6616772.55	Ex. CL Offset = 0.00'
18	17+00	2025298.75	6616792.94	Ex. CL Offset = 0.00'
19	18+00	2025397.06	6616811.17	Ex. CL Offset = 0.00'
20	19+00	2025495.97	6616825.71	Ex. CL Offset = 0.00'
21	20+00	2025595.25	6616837.74	Ex. CL Offset = 0.00'
22	21+00	2025694.66	6616848.51	Ex. CL Offset = 0.00'
23	22+00	2025794.21	6616858.01	Ex. CL Offset = 0.00'
24	23+00	2025893.92	6616865.37	Ex. CL Offset = 0.00'
25	24+00	2025993.79	6616870.38	Ex. CL Offset = 0.00'
26	25+00	2026093.75	6616871.98	Ex. CL Offset = 0.00'
27	26+00	2026192.73	6616859.12	Ex. CL Offset = 0.00'
28	27+00	2026292.17	6616849.11	Ex. CL Offset = 0.00'
29	28+00	2026392.07	6616851.86	Ex. CL Offset = 0.00'



**SHEET INDEX MAP**  
SCALE: 1"=200'

**MBK ENGINEERS**  
4501  
Sacramento, California 95825  
Phone: (916) 456-4400 • Fax: (916) 456-0253

NO.	DATE	APPROVED	REVISION
			BID SET



YOLO COUNTY  
HUFFS CORNER LEVEE MAINTENANCE  
Contract No. XXXX-XX-XX-XX  
**SHEET INDEX MAP**

SCALE: AS SHOWN  
JOB NO.: 8322-23-1  
REQ'D BY: TT/TE  
DRAWN BY: AR/MC  
DATE: 05/09/2024

Bar Length On Original Drawing Equals One Inch. Adjust Scale Accordingly.  
SHEET C2 OF 8 SHEETS





IMAGE SOURCE: CALIFORNIA DEPARTMENT OF WATER RESOURCES (FLOOD MANAGEMENT OFFICE 2019-03-08)

**HAUL ROUTE MAP**  
SCALE: 1"=200'

**NOTES:**

1. CONTRACTOR MAY USE ALTERNATE ROUTES SUBJECT TO THE APPROVAL OF THE PROJECT ENGINEER AS WELL AS THE PROPERTY OWNER.
2. STAGING AREA TO BE PLACED BACK TO ORIGINAL CONDITION PRIOR TO PROJECT COMPLETION.
3. CONTRACTOR MAY USE ALTERNATE STAGING AREA SUBJECT TO THE APPROVAL OF THE PROJECT ENGINEER AS WELL AS THE PROPERTY OWNER.
4. ALL COUNTY ROADWAYS USED FOR HAULING TO BE PLACED BACK TO ORIGINAL CONDITION IF DETERMINED TO BE DAMAGED BY PROJECT MATERIAL HAULING.

NO.	DATE	APPROVED	REVISION
			<b>BID SET</b>



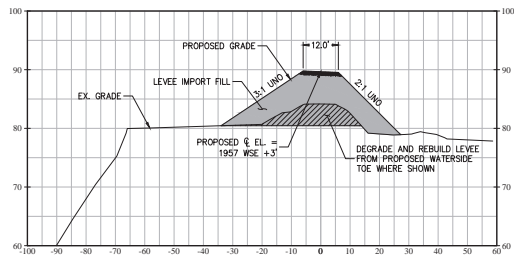
YOLO COUNTY  
HUFF'S CORNER LEVEE MAINTENANCE  
Contract No. XXXX-XX-XXX  
**HAUL ROUTES AND STAGING AREA**

SCALE: AS SHOWN  
JOB NO.: 8327-2-1  
REQD BY: TT/TL  
DRAWN BY: AR/MC  
DATE: 05/08/2024

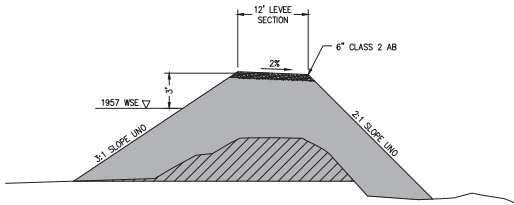


Bar Length On Original Drawing Equals One Inch. Adjust Scale Accordingly.

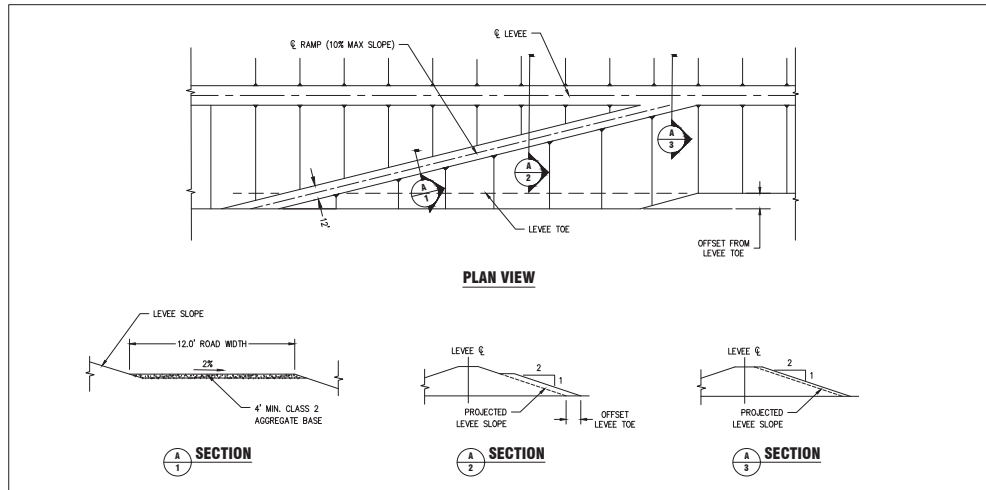
SHEET C3 OF 2 SHEETS



**1 TYPICAL CROSS SECTION - 12+60 - 27+50**  
 C4 SCALE: 1" = 20' (H), 1" = 10' (V)



**2 TYPICAL LEVEE SECTION**  
 C4 SCALE: N.T.S.



**3 TYPICAL RAMP DESIGN**  
 C4 SCALE: N.T.S.

NO.	DATE	APPROVED	REVISION
			BID SET

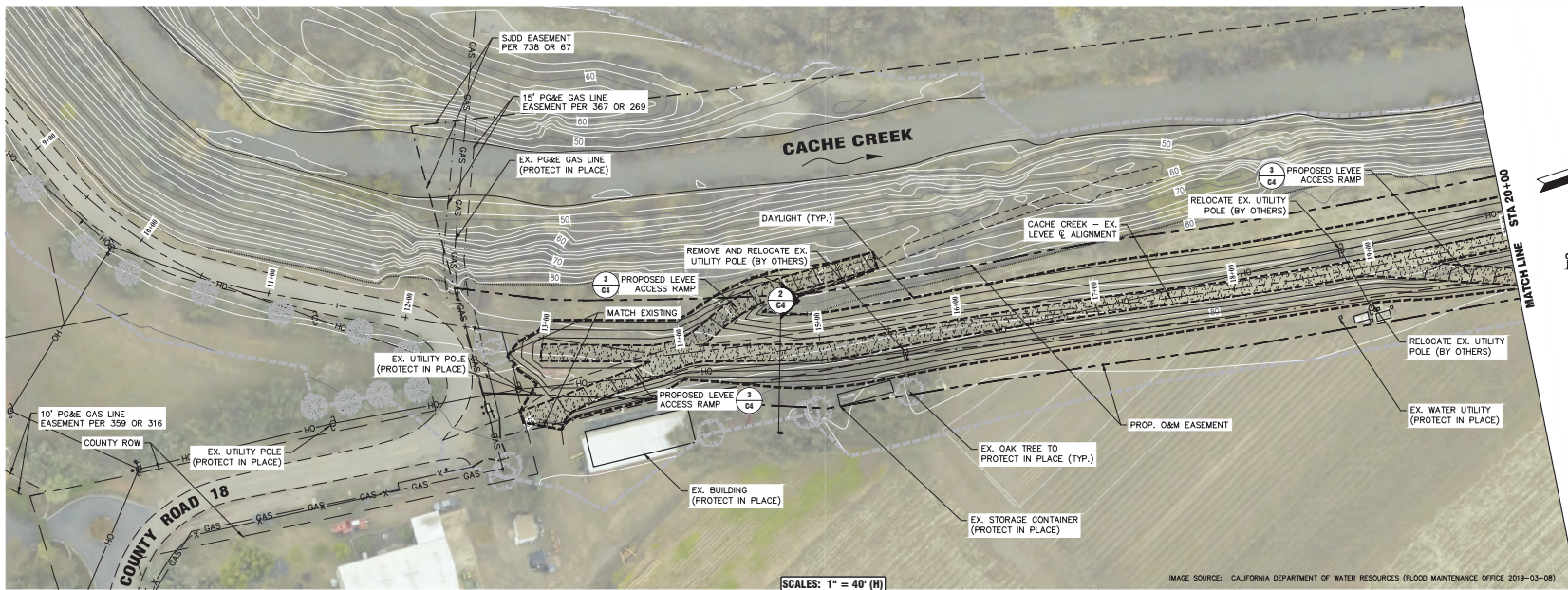


YOLO COUNTY  
 HUFFS CORNER LEVEE MAINTENANCE  
 Contract No. XXXX-XX-XX-XX  
**DETAILS**

SCALE: AS SHOWN  
 JOB NO.: 8327-2.1.1  
 REQD BY: TT/TE  
 DRAWN BY: AR/MC  
 DATE: 05/09/2024

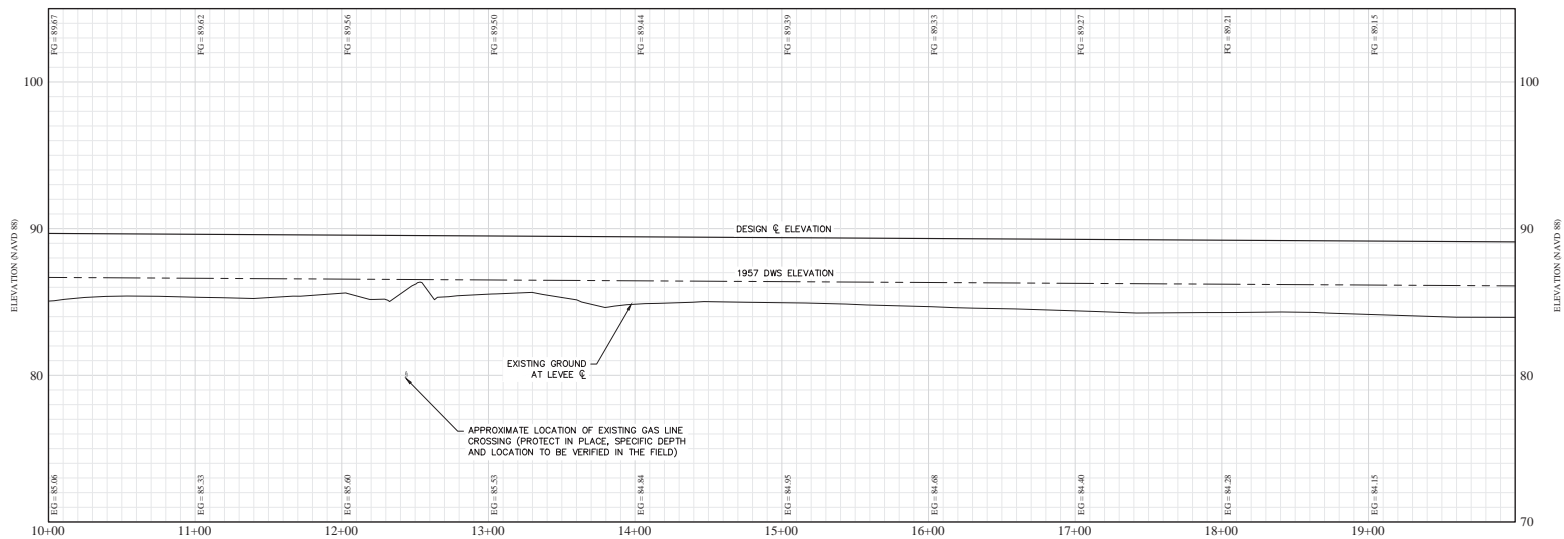


Bar Length On Original Drawing Equals One Inch. Adjust Scale Accordingly.  
 SHEET C4 OF 8 SHEETS



SCALES: 1" = 40' (H)  
1" = 4' (V)

IMAGE SOURCE: CALIFORNIA DEPARTMENT OF WATER RESOURCES (FLOOD MAINTENANCE OFFICE 2019-03-08)



**MBK ENGINEERS**  
450 Sacramento, California 95825  
Phone: (916) 456-4400 • Fax: (916) 456-0253

REVISION

NO. DATE APPROVED

**BID SET**

REGISTERED PROFESSIONAL ENGINEER  
No. 7414  
State of California

YOLO COUNTY  
HUFF'S CORNER LEVEE MAINTENANCE  
Contract No. XXXX-XX-XX-X

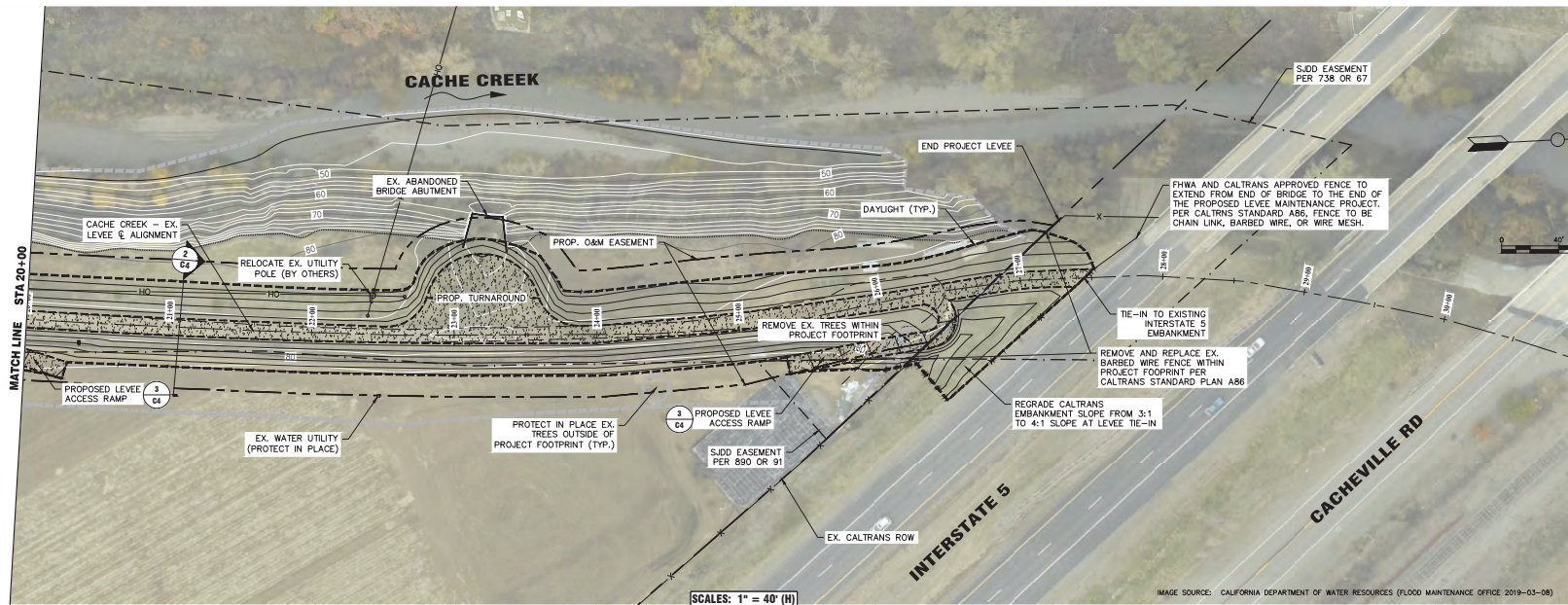
**PLAN AND PROFILE - STA 10+00 TO 20+00**

SCALE: AS SHOWN  
JOB NO.: 2322-2-1  
REQ'D BY: TT/TL  
DRAWN BY: AR/MC  
DATE: 05/09/2024

Bar Length On Original Drawing Equals One Inch. Adjust Scale Accordingly.

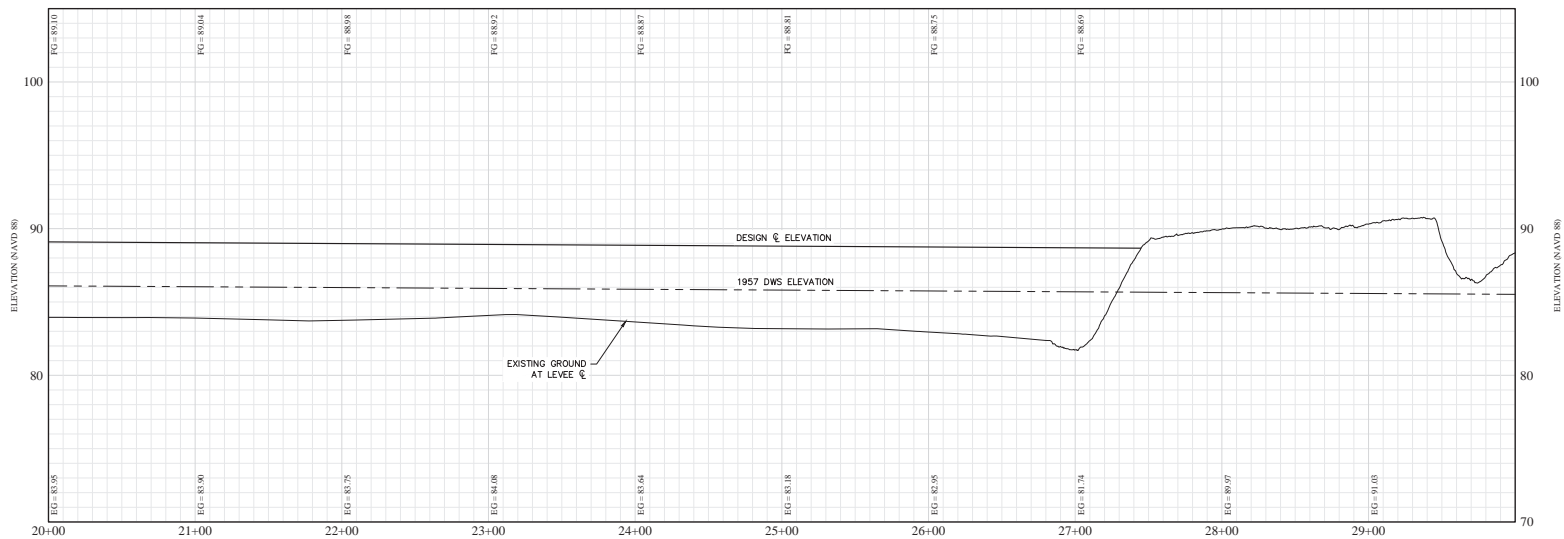
SHEET C5 OF 8 SHEETS





SCALES: 1" = 40' (H)  
1" = 4' (V)

IMAGE SOURCE: CALIFORNIA DEPARTMENT OF WATER RESOURCES (FLOOD MAINTENANCE OFFICE, 2019-03-08)



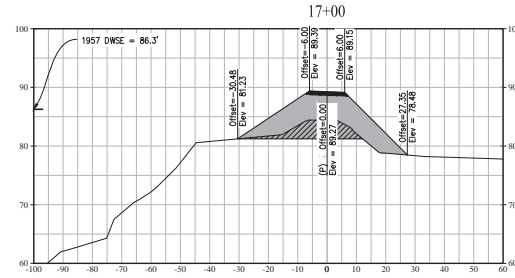
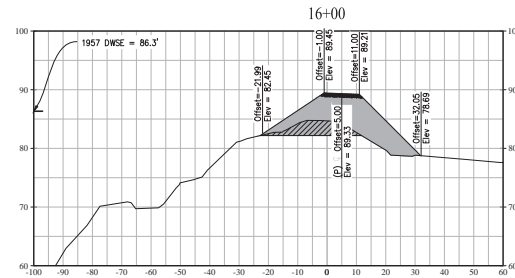
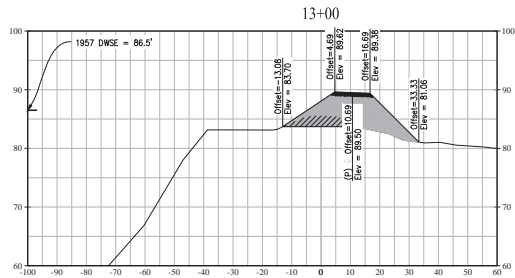
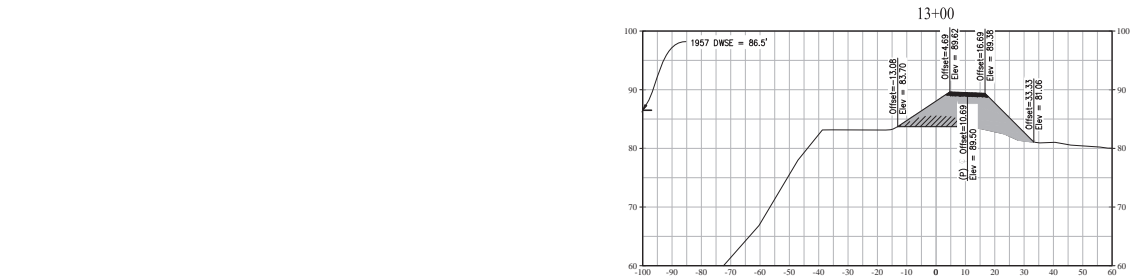
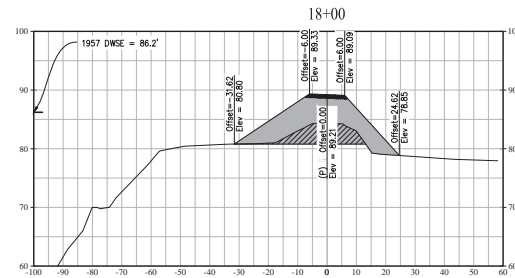
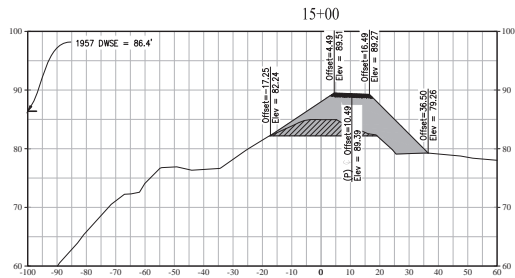
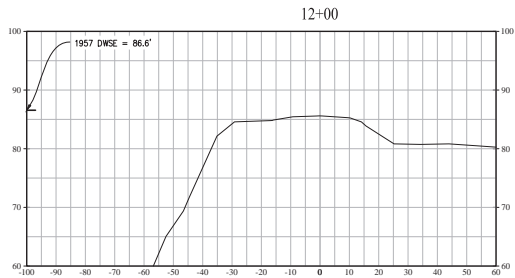
**MBK ENGINEERS**  
450 Sacramento, California 95825  
Phone: (916) 456-4400 • Fax: (916) 456-0253

NO.	DATE	APPROVED	REVISION
			BID SET



YOLO COUNTY  
HUFF'S CORNER LEVEE MAINTENANCE  
Contract No. XXXX-XX-XX-X  
**PLAN AND PROFILE - STA 20+00 TO 30+00**

SCALE: AS SHOWN  
JOB NO.: 832-2-1  
REQ'D BY: TT/TE  
DRAWN BY: AR/MC  
DATE: 05/08/2024  
Bar Length On Original Drawing Equals One Inch. Adjust Scale Accordingly.  
SHEET C6 OF 8 SHEETS



SCALES: 1" = 20' (H)  
1" = 10' (V)



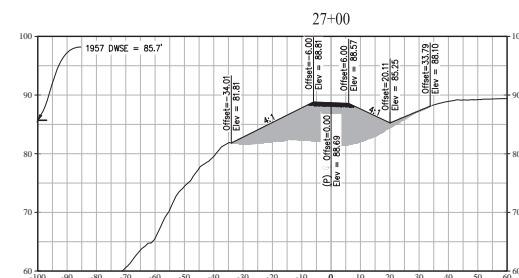
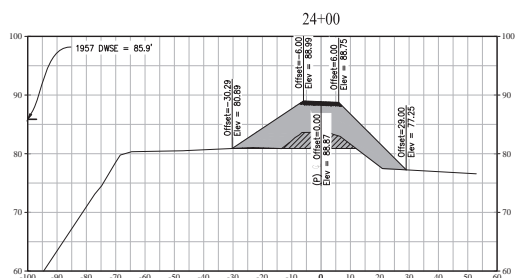
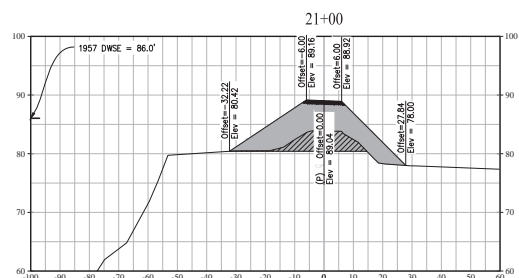
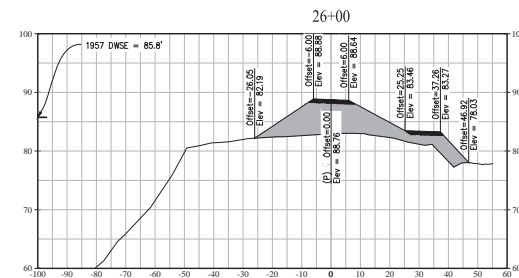
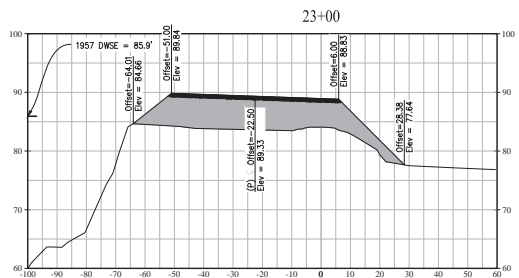
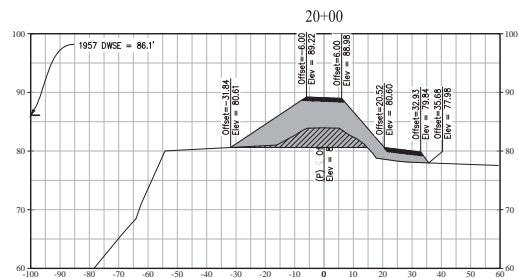
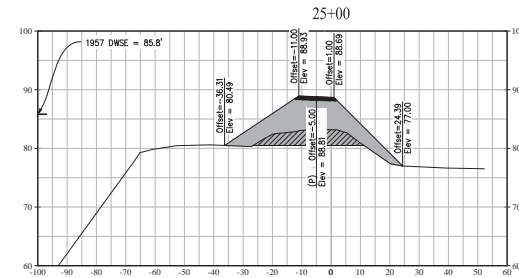
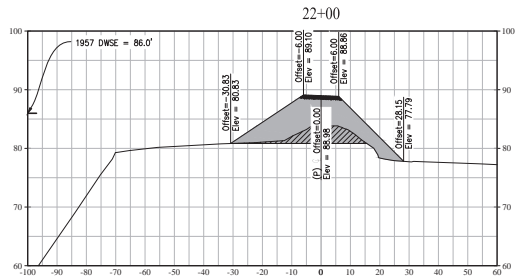
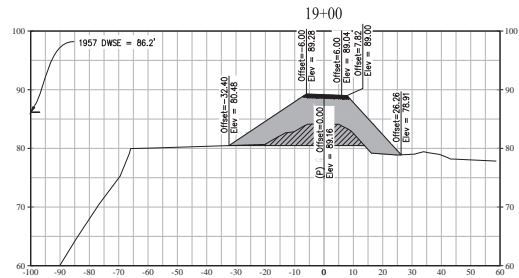
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JOB NO.: 8322-1-1  
REQ'D BY: TT/TE  
DRAWN BY: AR/MC  
DATE: 05/08/2024  
SHEET C7 OF 8 SHEETS

YOLO COUNTY  
HUFF'S CORNER LEVEE MAINTENANCE  
Contract No. XXXX-XX-XXX  
CROSS SECTIONS - STA 10+00 TO 18+00



NO.	DATE	APPROVED	REVISION
BID SET			

**MBK ENGINEERS**  
451 Sacramento, California 95825  
Phone: (916) 456-4400 • Fax: (916) 456-0253



SCALES: 1" = 20' (H)  
1" = 10' (V)



**MBK ENGINEERS**  
450 Sacramento, California 95825  
Phone: (916) 456-4400 • Fax: (916) 556-0253

NO. DATE APPROVED  
**BID SET**



YOLO COUNTY  
HUFF'S CORNER LEVEE MAINTENANCE  
Contract No. XXXX-XX-XX-XX  
**CROSS SECTIONS - STA 19+00 TO 27+00**

SCALE: AS SHOWN  
JOB NO.: 8322-2-1  
REQ'D BY: TT/TE  
DRAWN BY: AR/MC  
DATE: 05/09/2024  
Bar Length On Original Drawing Equals One Inch. Refer Scale Accordingly.  
SHEET C8 OF 8 SHEETS