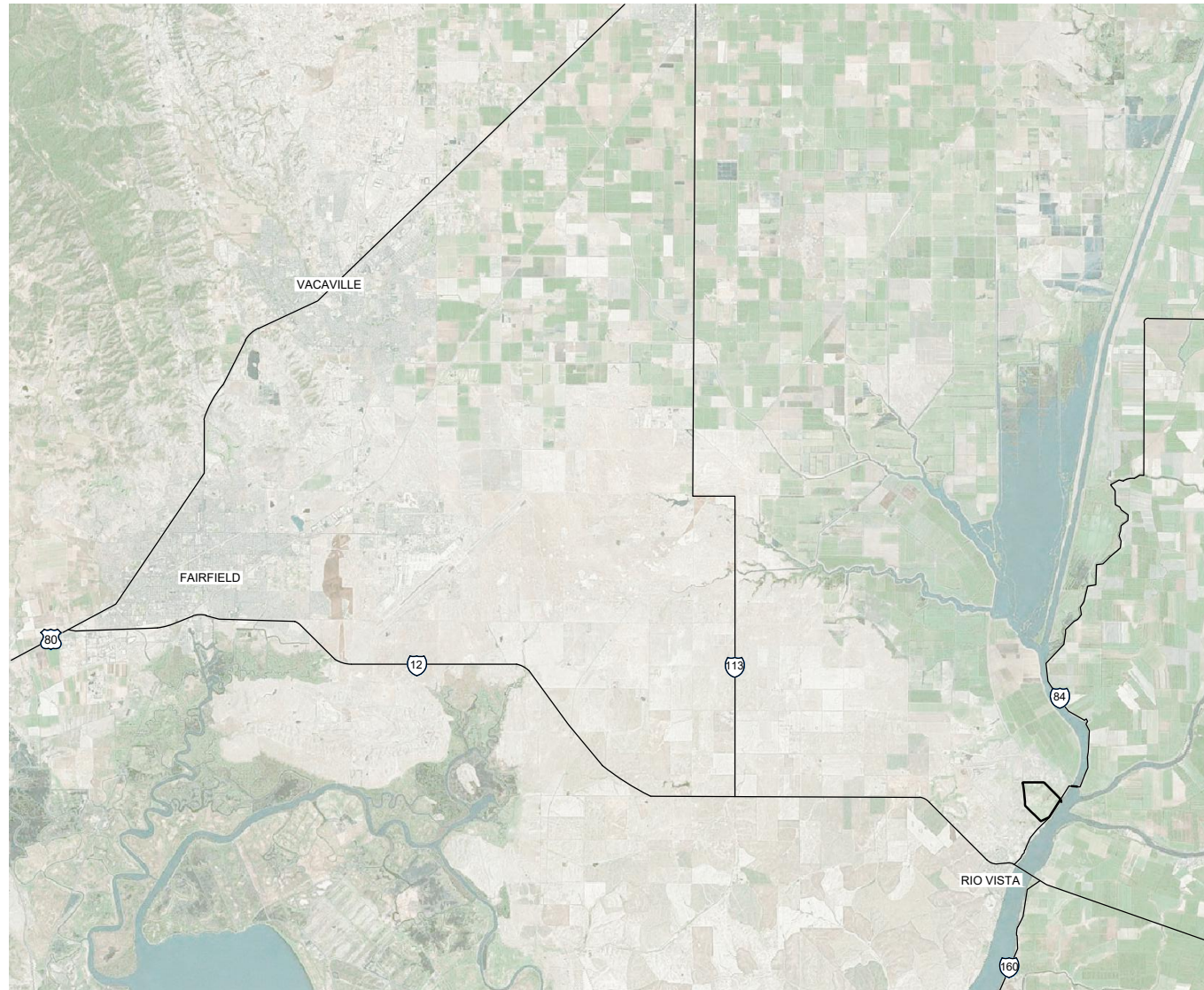


# PLANS FOR CONSTRUCTION OF CACHE SLOUGH MITIGATION BANK HABITAT RESTORATION AND EARTHWORK SOLANO COUNTY, CALIFORNIA



**VICINITY MAP**  
NTS



**LOCATION MAP**  
NTS

65% SUBMITTAL  
NOT FOR CONSTRUCTION



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

TITLE SHEET AND LOCATION MAP

FILENAME | G-001.dwg  
SCALE | AS SHOWN

SHEET  
G-001





## ABBREVIATIONS

AB	AGGREGATE BASE
ABND	ABANDON
AC	ASPHALTIC CEMENT CONCRETE
ADDN	ADDITION, ADDITIONAL
AEP	ANNUAL EXCEEDANCE PROBABILITY
AGGR	AGGREGATE
ALT	ALTERNATE
APN	ASSESSOR PARCEL NUMBER
APPROX	APPROXIMATE
AS	AGGREGATE SURFACING
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AVE	AVENUE
AVG	AVERAGE
BC	BEGINNING OF CURVE
BL	BASELINE
BLDG	BUILDING
BLKG	BLOCKING
BLVD	BOULEVARD
BM	BENCHMARK
BOC	BACK OF CURB
BRG	BEARING
BRKT	BRACKET
BTW	BETWEEN
C	CURVE
CB	CATCH BASIN
CF	CUBIC FEET (FOOT)
CI	CURB INLET
CL	CONTROL LINE
CLR	CLEAR
CMH	COMMUNICATION MANHOLE
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COMM	COMMUNICATION
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS, CONTINUATION
CORR	CORRIDOR
CP	CONTROL POINT
CVT	CULVERT
CU	CUBIC
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLITION
DEP	DEPRESSED
DI	DROP INLET
DIA	DIAMETER

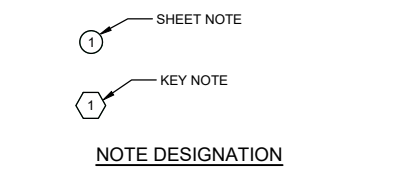
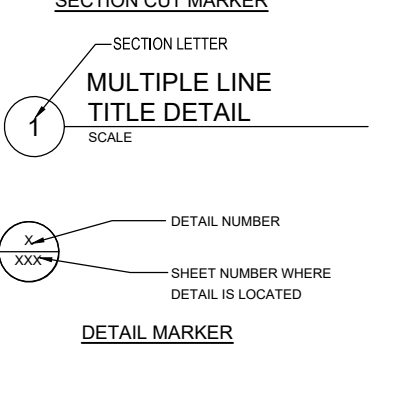
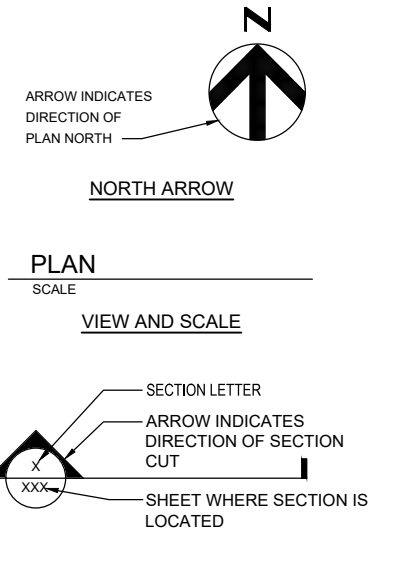
DIAG	DIAGONAL
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DIST	DISTANCE
DIV	DIVISION
DN	DOWN
DP	DEPTH
DR	DRIVE
DTL	DETAIL
DWG	DRAWING
E	EAST
EA	EACH
EC	END OF CURVE
EG	EXISTING GRADE
EL	ELEVATION
ELDER-B	ELDERBERRY SHRUB
ELEC	ELECTRICAL
ELEV	ELEVATION
EMBD	EMBEDDED
ENCL	ENCLOSURE
ENGR	ENGINEER
ENR	ENTRANCE
EQ	EQUAL
EQUIP	EQUIPMENT
EX	EXISTING
EXP	EXPANSION
FAB	FABRICATE (D), (TION)
FDN	FOUNDATION
FG	FINISHED GRADE
FIG	FIGURE
FL	FLOW, FLOW LINE
FPS	FEET PER SECOND
FT	FEET, FOOT
FTG	FOOTING
GAL	GALLON
GALV	GALVANIZED
GB	GRADE BREAK
GIP	GALVANIZED IRON PIPE
GND	GROUND
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GP	GUY POLE
GR	GRADE
GSKT	GASKET

HORIZ	HORIZONTAL
HP	HIGH PRESSURE, HIGH POINT
HT	HEIGHT
HWY	HIGHWAY
ID	IDENTIFICATION
IN	INCH, INCHES
INC	INCORPORATED
INV	INVERT
IRR	IRRIGATION
JB	JUNCTION BOX
JT	JOINT
L	LEFT, LINE
LB	POUND
LB/FT	POUND(S) PER FOOT
LB/IN	POUND(S) PER INCH
LF	LINEAR FOOT (FEET)
LN	LANE
LT	LEFT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
MW	MONITORING WELL
N	NORTH
NAD	NORTH AMERICAN DATUM
NAPOTC	NOT A PART OF THIS CONTRACT
NGVD	NATIONAL GEODETIC VERTICAL DATUM
NTS	NOT TO SCALE
OC	ON CENTER(S)
OD	OUTSIDE DIAMETER
OG	ORIGINAL GRADE
OH	OVERHEAD
OHE	OVERHEAD ELECTRIC
ORIG	ORIGINAL
PC	POINT OF CURVE
PCC	PORTLAND CEMENT CONCRETE
PCF	POUNDS PER CUBIC FOOT
PERF	PERFORATED
PERM	PERMANENT
PZ	PIEZOMETER
PG&E	PACIFIC GAS AND ELECTRIC COMPANY

PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PLM	PROJECT LEVEE MILE
POC	POINT OF CURVE
PP	POWER POLE
PRC	POINT OF REVERSE CURVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT (PT)	POINT OF TANGENCY, POINT
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
Q	RATE OF FLOW
QTY	QUANTITY
R	RADIUS
R/W	RIGHT OF WAY
RCP	REINFORCED CONCRETE PIPE
RD	ROAD, RECLAMATION DISTRICT
REF	REFERENCE
RM	RIVER MILE
RR	RAILROAD
RSP	ROCK SLOPE PROTECTION
RT	RIGHT
RW	RELIEF WELL
S	SOUTH, SLOPE
SB	SOIL BENTONITE
SCB	SOIL CLAY BENTONITE
SCHED/SCH	SCHEDULE
SECT	SECTION
SPEC	SPECIFICATION
SS	SANITARY SEWER
SSJDD	SACRAMENTO-SAN JOAQUIN DRAINAGE DISTRICT
STA	STATION
STD	STANDARD
SUB	SUBSTITUTE
SYM	SYMBOL
TC	TOP OF CURVE
TCE	TEMPORARY CONSTRUCTION EASEMENT
TEL	TELEPHONE
TEMP	TEMPORARY
TOC	TOP OF CURVE, TOP OF CONCRETE
TOL	TOP OF LEVEE
TOPO	TOPOGRAPHY
TOW	TOP OF WALL
TYP	TYPICAL
UG	UNDERGROUND
UTIL	UTILITY

UPRR	UNION PACIFIC RAILROAD
U.S.	UNITED STATES
USACE	UNITED STATES ARMY CORPS OF ENGINEERS
VAR	VARIABLE
VC	VERTICAL CURVE
VERT	VERTICAL
W	WEST
WAPA	WESTERN AREA POWER AUTHORITY
WPRR	WESTERN PACIFIC RAILROAD
WSE	WATER SURFACE ELEVATION
WT	WEIGHT
WY	WAY
W/	WITH
W/O	WITHOUT
XSECT	CROSS SECTION
YR	YEAR
'	FEET/FOOT
"	INCH(ES)

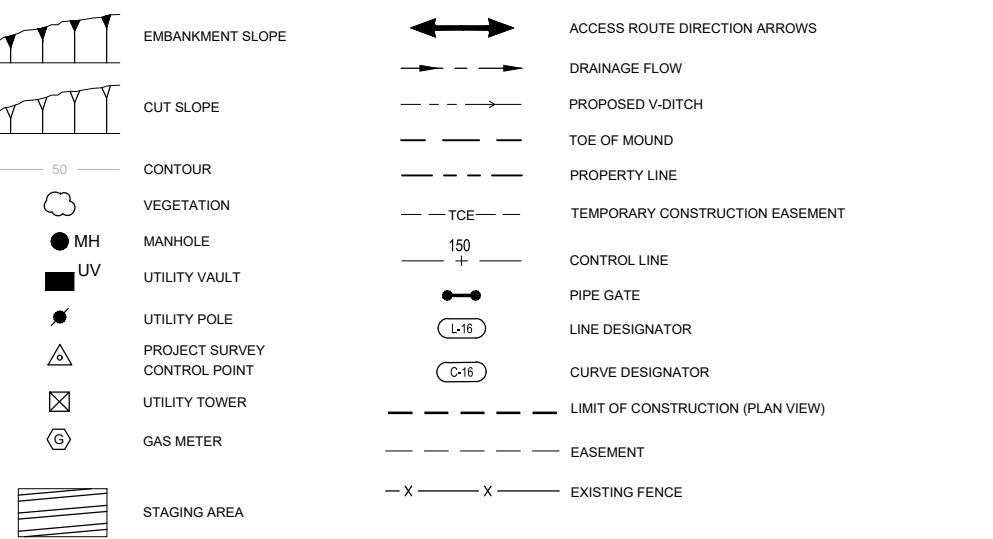
## GENERAL SYMBOLS



### GENERAL NOTES

- THIS SHEET APPLIES TO THE ENTIRE SET OF DRAWINGS. LISTING OF ABBREVIATIONS DOES NOT IMPLY ALL ABBREVIATIONS HAVE BEEN USED ON THIS PROJECT.
- MATERIAL FOR CONSTRUCTION PERIMETER BERMS AND INTER-TIDAL MOUNDS SHALL BE OBTAINED FROM CHANNEL AND V-DITCH EXCAVATION AS SPECIFIED IN 31 00 00 EARTHWORK.

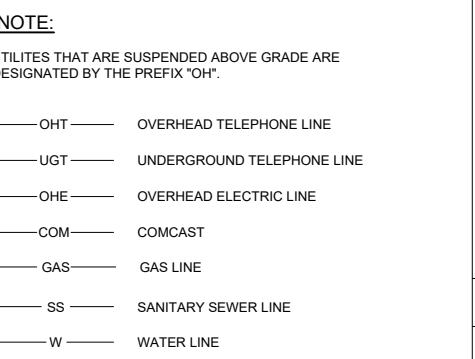
### SITE PLAN SYMBOLOGY



### MATERIALS IN PLAN/SECTION



### UTILITY SYMBOLOGY



### DRAWING NOTES

- THIS IS A STANDARD DRAWING SHOWING COMMON SYMBOLOGY. ALL SYMBOLS ARE NOT NECESSARILY USED ON THIS PROJECT.
- SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE PROPOSED IMPROVEMENTS TO HIGHLIGHT SELECTED TRADE WORK. REFER TO CONTEXT OF EACH DRAWING FOR USAGE.

### ESTIMATED QUANTITIES

ESTIMATED CUT VOLUME: 372,100 CY  
 ESTIMATED FILL TYPE I & II VOLUME: 299,000 CY  
 ESTIMATED FILL TYPE III VOLUME: 61,151 CY  
 ESTIMATED AB VOLUME: 6,730 TON

ALL FILL IS AVAILABLE ON-SITE AT THE BORROW AREAS.

\*QUANTITIES ARE AN ESTIMATE ONLY. CONTRACTOR IS RESPONSIBLE FOR PROVIDING MATERIAL TO CONSTRUCT PROJECT TO THE LINES AND GRADES SHOWN ON THE PLANS.

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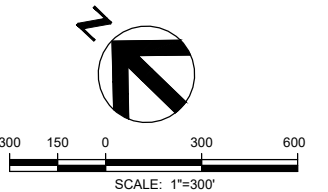
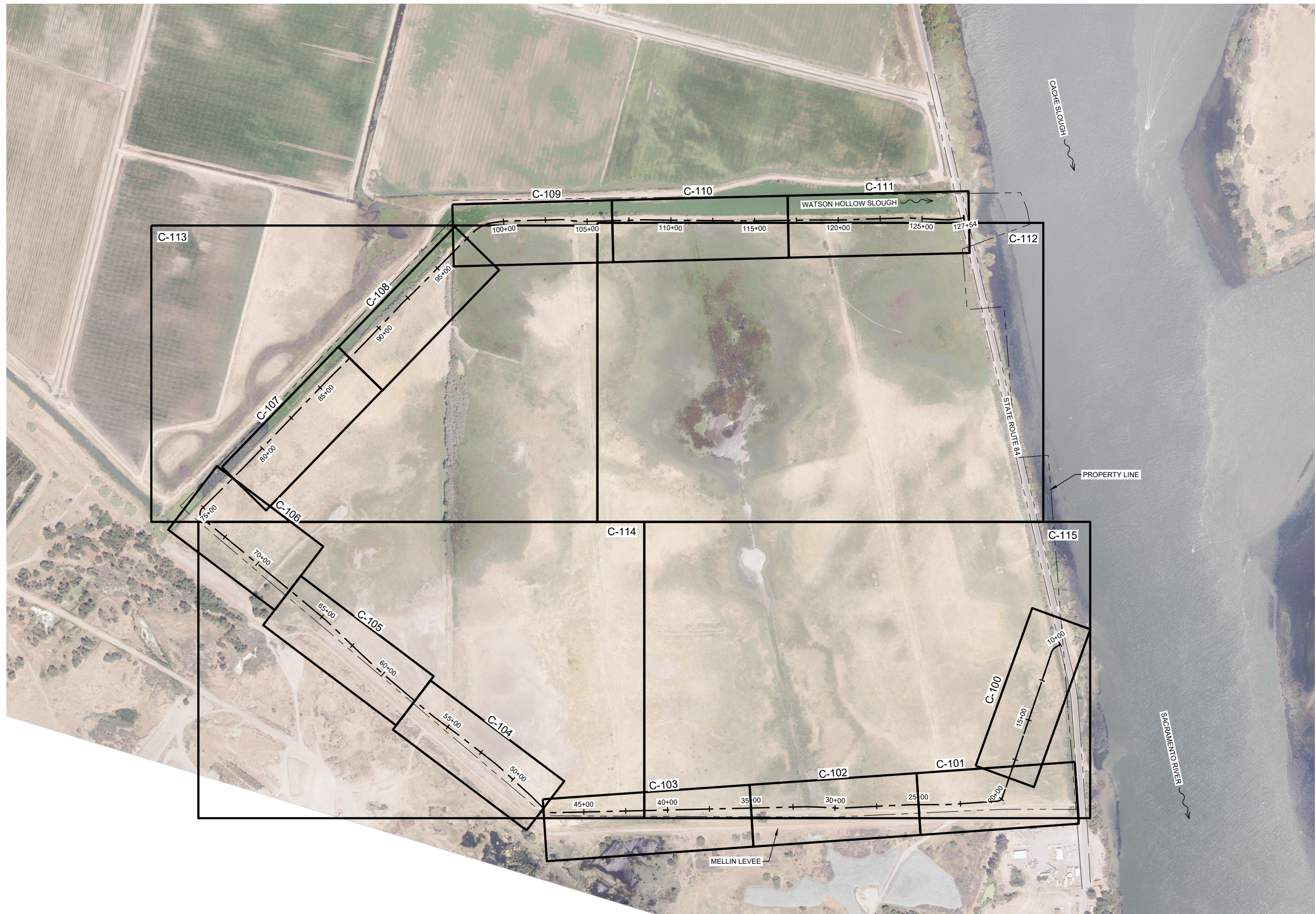
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TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

### ABBREVIATIONS AND SYMBOLS

FILENAME	G-003.dwg	SHEET	G-003
SCALE	AS SHOWN		





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ISSUE	DATE	DESCRIPTION

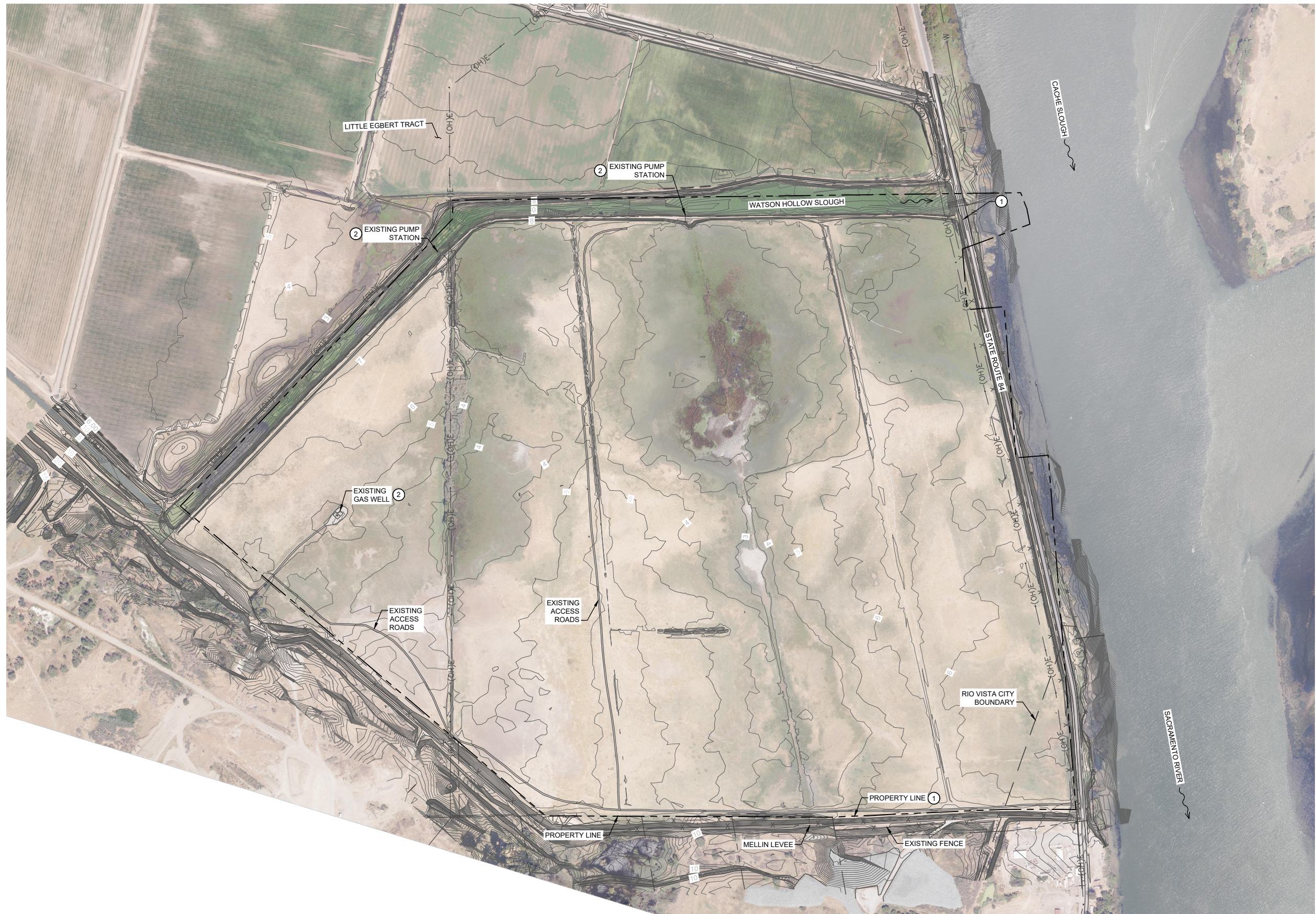
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**CACHE SLOUGH MITIGATION BANK  
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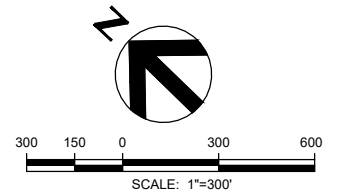
**KEYMAP INDEX**

FILENAME	G-004.dwg	SHEET	
SCALE	AS SHOWN		
			G-004





- CONSTRUCTION NOTES:**
- ① EASEMENTS SHOWN ON SHEETS C-100 - C-115.
  - ② PROPOSED FOR ABANDONMENT IN 2024.



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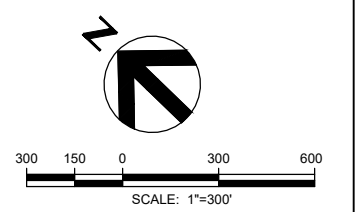
**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

EXISTING CONDITIONS	
FILENAME	G-005.dwg
SCALE	AS SHOWN
SHEET	G-005





- CONSTRUCTION NOTES:**
- ① EASEMENTS SHOWN ON SHEETS C-100 - C-115.
  - ② ACCESS EASEMENT WILL BE IN PLACE FOR DURATION OF CONSTRUCTION.



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**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

**ACCESS PLAN**

FILENAME	G-006.dwg	SHEET	
SCALE	AS SHOWN		
			G-006



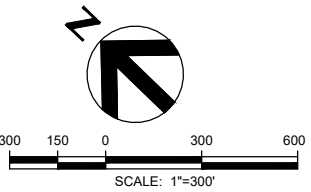


**HORIZONTAL DATUM:**  
 THE HORIZONTAL DATUM IS THE CALIFORNIA COORDINATE SYSTEM OF 1983 (NAD 83), ZONE 2 (0402) DERIVED FROM RTK GPS TIES TO PUBLISHED NGS SURVEY POINTS ISLETON RESET 1970 (P.I.D. JS1817), SHAG (P.I.D. AE9858), B 474 (P.I.D. JS2048), AND DROUIN RM 2 (P.I.D. JS1926), UPDATED TO EPOCH 2017.50 USING THE HTPD UTILITY TOOL FROM THE NGS GEODETIC TOOL KIT. COORDINATES AND DISTANCES ARE GRID VALUES, TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE PROJECT SPECIFIC SCALE FACTOR OF 1.00003224.

**VERTICAL DATUM:**  
 VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) DERIVED FROM RTK GPS TIES TO DROUIN RM 2 (P.I.D. JS1926) WITH A PUBLISHED ELEVATION OF 133.70 FEET.

**GENERAL NOTES:**  
 SOURCE OF AERIAL MAPPING PROVIDED BY POINT CO., 2019.

SURVEY CONTROL POINT				
CP-NO	NORTHING	EASTING	ELEVATION	DESCRIPTION
10066	1825437.99	6655274.25	15.24	FD RBR 1/2" YPC L+M
10068	1825331.10	6655347.75	9.65	FD RBR 5/8" YPC
10086	1825045.23	6655080.52	13.72	FD SMASHED T BAR
10088	1825734.56	6655052.15	6.86	FD COPPER ROD 1"
10090	1826439.93	6654306.23	4.40	FD IP 1" LEAN EAST
10092	1827409.48	6653377.47	6.21	FD COPPER ROD 1"
10094	1827716.01	6653084.76	9.32	FD IP 1"
10096	1827555.26	6653058.43	18.26	FD RBR 1/2" YPC L+M
10098	1830576.22	6652935.17	9.81	FD RBR 5/8" YPC LS 4802
12046	1828343.55	6657406.28	11.03	FD MAG NAIL
12050	1826036.35	6655910.59	11.60	FD MAG NAIL
12052	1825355.44	6655324.71	10.80	FD MAG NAIL
12054	1827627.11	6653090.77	10.70	FD RBR 1/2"
12058	1830031.11	6654340.84	6.44	FD RBR 1/2"
12060	1827847.07	6655242.17	4.34	FD RBR 1/2"
12064	1831478.15	6655627.34	6.28	FD RBR 1/2"
50000	1828295.89	6657443.42	4.90	CP HUB



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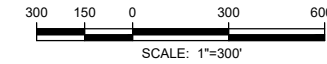
**SURVEY CONTROL**

FILENAME	G-007.dwg	SHEET	G-007
SCALE	AS SHOWN		



BERM CL - LINE AND CURVE TABLE

NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION	START STATION	START EASTING	START NORTHING	END STATION	END EASTING	END NORTHING
L-106	36.84'		N28° 59' 28.25"W	10+00.00	6655994.33	1826177.02	10+36.84	6655958.51	1826185.63
C-94	33.84'	50.00'	S84° 07' 17.34"W	10+36.84	6655958.51	1826185.63	10+70.68	6655925.48	1826182.23
L-107	919.49'		N28° 59' 28.25"W	10+70.68	6655925.48	1826182.23	19+90.17	6655093.97	1825789.75
C-95	35.20'	30.00'	N81° 39' 31.06"W	19+90.17	6655093.97	1825789.75	20+25.36	6655061.11	1825794.56
L-108	254.18'		N28° 59' 28.25"W	20+25.36	6655061.11	1825794.56	22+79.54	6654872.07	1825964.48
C-82	72.08'	1010.00'	N46° 00' 17.41"W	22+79.54	6654872.07	1825964.48	23+51.62	6654820.23	1826014.53
L-109	72.25'		N28° 59' 28.25"W	23+51.62	6654820.23	1826014.53	24+23.88	6654770.07	1826066.55
C-83	265.79'	4990.00'	N45° 29' 10.33"W	24+23.88	6654770.07	1826066.55	26+89.66	6654580.57	1826252.86
L-110	268.94'		N28° 59' 28.25"W	26+89.66	6654580.57	1826252.86	29+58.60	6654383.84	1826436.24
C-84	27.13'	260.00'	N44° 01' 20.81"W	29+58.60	6654383.84	1826436.24	29+85.73	6654364.99	1826455.74
L-111	129.75'		N28° 59' 28.25"W	29+85.73	6654364.99	1826455.74	31+15.49	6654279.81	1826553.61
C-85	74.78'	990.00'	N43° 11' 48.42"W	31+15.49	6654279.81	1826553.61	31+90.27	6654228.63	1826608.12
L-112	1493.74'		N28° 59' 28.25"W	31+90.27	6654228.63	1826608.12	46+84.01	6653165.77	1827657.68
C-86	56.78'	70.00'	N22° 07' 19.50"W	46+84.01	6653165.77	1827657.68	47+40.79	6653144.97	1827708.85
L-113	75.13'		N28° 59' 28.25"W	47+40.79	6653144.97	1827708.85	48+15.92	6653146.43	1827783.97
C-87	33.52'	740.00'	N0° 10' 51.53"W	48+15.92	6653146.43	1827783.97	48+49.44	6653146.33	1827817.48
L-114	250.28'		N28° 59' 28.25"W	48+49.44	6653146.33	1827817.48	50+99.72	6653139.87	1828067.68
C-88	46.69'	590.00'	N3° 44' 44.88"W	50+99.72	6653139.87	1828067.68	51+46.41	6653136.82	1828114.26
L-115	234.58'		N28° 59' 28.25"W	51+46.41	6653136.82	1828114.26	53+80.99	6653112.25	1828347.55
C-89	76.44'	2490.00'	N6° 53' 32.94"W	53+80.99	6653112.25	1828347.55	54+57.43	6653103.07	1828423.43
L-116	134.57'		N28° 59' 28.25"W	54+57.43	6653103.07	1828423.43	55+92.00	6653084.87	1828556.77
C-90	35.53'	510.00'	N5° 46' 33.07"W	55+92.00	6653084.87	1828556.77	56+27.54	6653081.30	1828592.11
L-117	342.01'		N28° 59' 28.25"W	56+27.54	6653081.30	1828592.11	59+69.55	6653058.75	1828933.38
C-91	231.18'	3510.00'	N1° 53' 34.51"W	59+69.55	6653058.75	1828933.38	62+00.73	6653051.12	1829164.40
L-118	249.72'		N28° 59' 28.25"W	62+00.73	6653051.12	1829164.40	64+50.45	6653051.09	1829414.12
C-92	46.81'	590.00'	N2° 16' 43.65"W	64+50.45	6653051.09	1829414.12	64+97.26	6653049.23	1829460.87
L-119	926.66'		N28° 59' 28.25"W	64+97.26	6653049.23	1829460.87	74+23.92	6652975.70	1830384.61
C-93	67.08'	40.00'	N43° 29' 25.04"E	74+23.92	6652975.70	1830384.61	74+91.00	6653016.64	1830427.77
L-122	191.75'		N28° 59' 28.25"W	74+91.00	6653016.64	1830427.77	76+82.74	6653208.32	1830422.65
C-96	318.64'	10000.00'	S89° 22' 50.70"E	76+82.74	6653208.32	1830422.65	80+01.39	6653526.93	1830419.20
L-131	491.42'		N28° 59' 28.25"W	80+01.39	6653526.93	1830419.20	84+92.80	6654018.34	1830421.72
C-100	142.35'	4000.00'	S89° 16' 26.74"E	84+92.80	6654018.34	1830421.72	86+35.15	6654160.67	1830419.92
C-102	298.18'	7500.00'	S89° 23' 36.78"E	86+35.15	6654160.67	1830419.92	89+33.33	6654458.81	1830416.76
L-125	259.89'		N28° 59' 28.25"W	89+33.33	6654458.81	1830416.76	91+93.22	6654718.69	1830419.18
C-97	26.67'	575.00'	S89° 12' 13.79"E	91+93.22	6654718.69	1830419.18	92+19.89	6654745.35	1830418.81
L-121	80.22'		N28° 59' 28.25"W	92+19.89	6654745.35	1830418.81	93+00.10	6654825.51	1830415.83
C-103	25.36'	1000.00'	S88° 36' 05.91"E	93+00.10	6654825.51	1830415.83	93+25.46	6654850.86	1830415.21
L-132	467.09'		N28° 59' 28.25"W	93+25.46	6654850.86	1830415.21	97+92.55	6655317.92	1830409.74
C-104	142.78'	225.00'	S71° 08' 57.48"E	97+92.55	6655317.92	1830409.74	99+35.33	6655450.78	1830364.37
L-124	13.74'		N28° 59' 28.25"W	99+35.33	6655450.78	1830364.37	99+49.07	6655461.75	1830356.10
C-105	90.67'	700.00'	S49° 15' 34.69"E	99+49.07	6655461.75	1830356.10	100+39.74	6655530.40	1830296.96
L-123	297.93'		N28° 59' 28.25"W	100+39.74	6655530.40	1830296.96	103+37.67	6655743.08	1830088.32
C-98	28.22'	165.00'	S40° 38' 58.60"E	103+37.67	6655743.08	1830088.32	103+65.89	6655761.44	1830066.94
C-106	145.29'	850.00'	S40° 38' 50.22"E	103+65.89	6655761.44	1830066.94	105+11.18	6655855.97	1829956.84
L-128	309.61'		N28° 59' 28.25"W	105+11.18	6655855.97	1829956.84	108+20.79	6656076.97	1829740.00
C-107	40.23'	1000.00'	S44° 23' 30.37"E	108+20.79	6656076.97	1829740.00	108+61.02	6656105.11	1829711.25
L-120	347.41'		N28° 59' 28.25"W	108+61.02	6656105.11	1829711.25	112+08.43	6656343.10	1829458.16
C-108	498.14'	15000.00'	S44° 11' 26.81"E	112+08.43	6656343.10	1829458.16	117+06.58	6656690.32	1829101.00
L-126	55.08'		N28° 59' 28.25"W	117+06.58	6656690.32	1829101.00	117+61.66	6656729.36	1829062.15
C-99	57.09'	3000.00'	S44° 35' 49.19"E	117+61.66	6656729.36	1829062.15	118+18.75	6656769.44	1829021.50
L-127	103.98'		N28° 59' 28.25"W	118+18.75	6656769.44	1829021.50	119+22.73	6656841.74	1828946.77
C-109	178.64'	5500.00'	S44° 58' 56.37"E	119+22.73	6656841.74	1828946.77	121+01.37	6656968.02	1828820.41
L-133	284.11'		N28° 59' 28.25"W	121+01.37	6656968.02	1828820.41	123+85.48	6657172.09	1828622.74
C-110	51.70'	600.00'	S43° 26' 39.30"E	123+85.48	6657172.09	1828622.74	124+37.18	6657207.63	1828585.22
L-129	204.75'		N28° 59' 28.25"W	124+37.18	6657207.63	1828585.22	126+41.93	6657341.89	1828430.63
C-101	40.78'	200.00'	S46° 48' 59.01"E	126+41.93	6657341.89	1828430.63	126+82.71	6657371.57	1828402.78
L-130	71.15'		N28° 59' 28.25"W	126+82.71	6657371.57	1828402.78	127+53.85	6657428.13	1828359.62



**65% SUBMITTAL  
NOT FOR CONSTRUCTION**



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

**BERM ALIGNMENT  
LINE AND CURVE TABLE**

FILENAME	G-008.dwg	SHEET	G-008
SCALE	AS SHOWN		





**CHANNEL ALIGNMENTS - LINE AND CURVE TABLE**

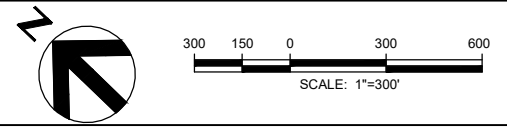
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION	START STATION	START EASTING	START NORTHING	END STATION	END EASTING	END NORTHING	ALIGNMENT
L-1	517.49'		N57° 07' 16.76"W	0+00.00	6657570.89	1828131.64	5+17.49	6657136.30	1828412.56	A
C-1	98.29'	300.00'	N66° 30' 24.80"W	5+17.49	6657136.30	1828412.56	6+15.77	6657046.56	1828451.57	A
L-2	18.09'		N57° 07' 16.76"W	6+15.77	6657046.56	1828451.57	6+33.86	6657029.02	1828455.98	A
C-2	381.59'	2000.00'	N81° 21' 29.92"W	6+33.86	6657029.02	1828455.98	10+15.45	6656652.33	1828513.22	A
L-3	69.54'		N57° 07' 16.76"W	10+15.45	6656652.33	1828513.22	10+84.99	6656582.90	1828517.08	A
C-3	486.59'	2000.00'	S86° 12' 21.23"W	10+84.99	6656582.90	1828517.08	15+71.58	6656098.57	1828484.96	A
L-4	145.52'		N57° 07' 16.76"W	15+71.58	6656098.57	1828484.96	17+17.10	6655955.61	1828457.78	A
C-4	481.90'	850.00'	N84° 31' 20.83"W	17+17.10	6655955.61	1828457.78	21+99.00	6655482.31	1828503.17	A
L-5	12.31'		N57° 07' 16.76"W	21+99.00	6655482.31	1828503.17	22+11.31	6655470.88	1828507.72	A
C-5	567.30'	720.00'	N45° 42' 30.94"W	22+11.31	6655470.88	1828507.72	27+78.61	6655075.23	1828893.70	A
L-6	45.46'		N57° 07' 16.76"W	27+78.61	6655075.23	1828893.70	28+24.07	6655057.37	1828935.51	A
C-6	223.87'	1659.00'	N27° 00' 07.72"W	28+24.07	6655057.37	1828935.51	30+47.94	6654955.80	1829134.82	A
L-7	481.87'	1685.70'	N39° 03' 25.95"W	30+47.94	6654955.80	1829134.82	35+29.81	6654653.21	1829565.44	A
C-8	173.06'	218.11'	N69° 58' 38.91"W	35+29.81	6654653.21	1829565.44	37+02.87	6654494.84	1829670.76	A
L-9	225.24'	200.00'	N60° 26' 44.05"W	37+02.87	6654494.84	1829670.76	39+28.11	6654309.10	1829670.76	A
C-10	217.68'	237.00'	N54° 29' 41.20"W	39+28.11	6654309.10	1829670.76	41+45.78	6654138.06	1829792.79	A
L-7	104.28'		N57° 07' 16.76"W	41+45.78	6654138.06	1829792.79	42+50.06	6654035.12	1829809.45	A
C-11	564.05'	728.00'	N58° 36' 38.29"W	42+50.06	6654035.12	1829809.45	48+14.11	6653965.57	1830095.94	A
C-12	147.82'	325.00'	N23° 23' 02.50"W	48+14.11	6653965.57	1830095.94	49+61.94	6653507.41	1830230.46	A
C-13	142.79'	116.00'	N45° 37' 01.96"W	49+61.94	6653507.41	1830230.46	51+04.73	6653411.68	1830324.14	A
L-8	106.33'		N57° 07' 16.76"W	51+04.73	6653411.68	1830324.14	52+11.05	6653306.70	1830340.99	A

**CHANNEL ALIGNMENTS - LINE AND CURVE TABLE**

NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION	START STATION	START EASTING	START NORTHING	END STATION	END EASTING	END NORTHING	ALIGNMENT
L-72	59.67'		N54° 57' 58.45"W	1+00.00	6656378.38	1828517.95	1+59.67	6656329.52	1828552.20	B
C-52	173.28'	507.00'	N45° 10' 30.96"W	1+59.67	6656329.52	1828552.20	3+32.94	6656207.22	1828673.76	B
L-71	95.14'		N54° 57' 58.45"W	3+32.94	6656207.22	1828673.76	4+28.08	6656152.13	1828751.32	B
L-70	104.42'		N54° 57' 58.45"W	4+28.08	6656152.13	1828751.32	5+32.50	6656094.29	1828838.25	B
L-69	109.26'		N54° 57' 58.45"W	5+32.50	6656094.29	1828838.25	6+41.75	6656036.47	1828930.96	B
C-51	329.19'	358.00'	N58° 17' 29.86"W	6+41.75	6656036.47	1828930.96	9+70.94	6655766.18	1829097.95	B
C-50	241.71'	625.00'	S84° 17' 13.07"W	9+70.94	6655766.18	1829097.95	12+12.65	6655527.18	1829074.04	B
L-68	35.87'		N54° 57' 58.45"W	12+12.65	6655527.18	1829074.04	12+48.52	6655492.83	1829063.68	B
C-49	429.34'	706.00'	N89° 22' 12.54"W	12+48.52	6655492.83	1829063.68	16+77.86	6655070.10	1829068.33	B
L-67	98.18'		N54° 57' 58.45"W	16+77.86	6655070.10	1829068.33	17+76.05	6654976.75	1829098.75	B

**CHANNEL ALIGNMENTS - LINE AND CURVE TABLE**

NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION	START STATION	START EASTING	START NORTHING	END STATION	END EASTING	END NORTHING	ALIGNMENT
L-85	90.15'		N78° 43' 16.22"W	1+00.00	6655157.77	1828749.38	1+90.15	6655069.36	1828767.01	C
C-62	136.40'	500.00'	N70° 54' 22.56"W	1+90.15	6655069.36	1828767.01	3+26.54	6654940.87	1828811.49	C
L-84	214.64'		N78° 43' 16.22"W	3+26.54	6654940.87	1828811.49	5+41.18	6654749.47	1828908.63	C
C-61	429.55'	735.00'	N79° 50' 02.03"W	5+41.18	6654749.47	1828908.63	9+70.74	6654332.65	1828983.37	C
L-83	193.84'		N78° 43' 16.22"W	9+70.74	6654332.65	1828983.37	11+64.58	6654140.08	1828961.17	C
C-60	489.04'	508.00'	N68° 59' 51.52"W	11+64.58	6654140.08	1828961.17	16+53.62	6653700.96	1829129.76	C
L-82	121.20'		N78° 43' 16.22"W	16+53.62	6653700.96	1829129.76	17+74.82	6653620.78	1829220.64	C
C-59	163.68'	535.00'	N50° 11' 00.01"W	17+74.82	6653620.78	1829220.64	19+38.50	6653495.55	1829325.04	C
L-81	92.39'		N78° 43' 16.22"W	19+38.50	6653495.55	1829325.04	20+30.89	6653416.40	1829372.70	C
C-58	165.64'	220.00'	N37° 22' 44.42"W	20+30.89	6653416.40	1829372.70	21+96.53	6653318.20	1829501.23	C
L-80	36.87'		N78° 43' 16.22"W	21+96.53	6653318.20	1829501.23	22+33.40	6653308.15	1829536.71	C
C-63	92.66'	130.00'	N36° 13' 46.66"W	22+33.40	6653308.15	1829536.71	23+26.06	6653254.54	1829609.88	C
L-79	15.03'		N78° 43' 16.22"W	23+26.06	6653254.54	1829609.88	23+41.09	6653241.98	1829618.15	C
C-64	52.36'	150.17'	N66° 38' 19.70"W	23+41.09	6653241.98	1829618.15	23+93.46	6653194.15	1829638.81	C
L-86	81.61'		N78° 43' 16.22"W	23+93.46	6653194.15	1829638.81	24+75.06	6653114.76	1829657.68	C



**65% SUBMITTAL  
NOT FOR CONSTRUCTION**



PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

**CHANNEL ALIGNMENTS PLAN I**

FILENAME	G-009.dwg	SHEET	G-009
SCALE	AS SHOWN		



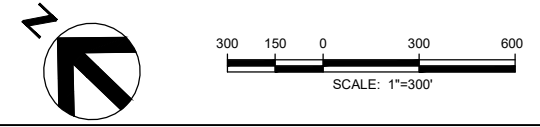


CHANNEL ALIGNMENTS - LINE AND CURVE TABLE										
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION	START STATION	START EASTING	START NORTHING	END STATION	END EASTING	END NORTHING	ALIGNMENT
L-34	58.55'		S72° 18' 35.79"W	0+00.00	6656923.45	1828479.50	0+58.55	6656867.67	1828461.71	A1
C-14	282.45'	224.00'	S36° 11' 13.96"W	0+58.55	6656867.67	1828461.71	3+41.00	6656711.73	1828248.55	A1
C-15	261.89'	500.00'	S14° 56' 26.95"E	3+41.00	6656711.73	1828248.55	6+02.89	6656778.48	1827998.39	A1
C-16	60.56'	351.68'	S25° 00' 45.59"E	6+02.89	6656778.48	1827998.39	6+63.45	6656804.06	1827943.58	A1
C-17	59.13'	68.05'	S4° 48' 54.12"W	6+63.45	6656804.06	1827943.58	7+22.58	6656799.25	1827886.49	A1
C-18	151.45'	279.53'	S45° 13' 52.28"W	7+22.58	6656799.25	1827886.49	8+74.04	6656693.04	1827781.13	A1
C-19	231.23'	212.57'	S29° 35' 21.14"W	8+74.04	6656693.04	1827781.13	11+05.27	6656584.40	1827589.82	A1
C-20	272.27'	191.90'	S39° 04' 15.96"W	11+05.27	6656584.40	1827589.82	13+77.54	6656426.83	1827395.73	A1
C-21	219.93'	147.06'	S36° 52' 28.25"W	13+77.54	6656426.83	1827395.73	15+97.47	6656306.82	1827235.74	A1
C-22	207.19'	225.86'	S20° 18' 41.77"W	15+97.47	6656306.82	1827235.74	18+04.66	6656237.40	1827048.18	A1
C-23	181.89'	363.56'	S32° 15' 30.69"W	18+04.66	6656237.40	1827048.18	19+86.55	6656141.32	1826895.96	A1
C-24	233.31'	199.07'	S51° 30' 06.20"W	19+86.55	6656141.32	1826895.96	22+19.85	6655969.00	1826758.90	A1
L-35	59.78'		S72° 18' 35.79"W	22+19.85	6655969.00	1826758.90	22+79.64	6655909.44	1826753.77	A1
L-36	40.00'		S72° 18' 35.79"W	22+79.64	6655909.44	1826753.77	23+19.64	6655869.59	1826750.34	A1

CHANNEL ALIGNMENTS - LINE AND CURVE TABLE										
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION	START STATION	START EASTING	START NORTHING	END STATION	END EASTING	END NORTHING	ALIGNMENT
L-37	13.74'		S66° 22' 51.51"E	1+00.00	6656716.92	1828176.18	1+13.74	6656729.50	1828170.68	A1-1
C-26	86.74'	154.00'	S82° 30' 59.49"E	1+13.74	6656729.50	1828170.68	2+00.47	6656814.37	1828159.53	A1-1
C-25	62.34'	306.44'	N75° 31' 11.04"E	2+00.47	6656814.37	1828159.53	2+62.82	6656874.63	1828175.09	A1-1
L-38	97.10'		S66° 22' 51.51"E	2+62.82	6656874.63	1828175.09	3+59.92	6656965.69	1828208.79	A1-1

CHANNEL ALIGNMENTS - LINE AND CURVE TABLE										
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION	START STATION	START EASTING	START NORTHING	END STATION	END EASTING	END NORTHING	ALIGNMENT
L-64	36.12'		N44° 33' 49.87"W	1+00.00	6656031.30	1828472.17	1+36.12	6656005.96	1828497.90	A2
C-47	93.07'	121.00'	N22° 31' 44.62"W	1+36.12	6656005.96	1828497.90	2+29.19	6655971.17	1828581.76	A2
L-65	2.82'		N44° 33' 49.87"W	2+29.19	6655971.17	1828581.76	2+32.00	6655971.15	1828584.58	A2
C-48	137.96'	101.00'	N39° 37' 29.71"W	2+32.00	6655971.15	1828584.58	3+69.96	6655869.84	1828682.77	A2
L-66	78.95'		N44° 33' 49.87"W	3+69.96	6655869.84	1828682.77	4+48.91	6655812.41	1828698.16	A2

CHANNEL ALIGNMENTS - LINE AND CURVE TABLE										
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION	START STATION	START EASTING	START NORTHING	END STATION	END EASTING	END NORTHING	ALIGNMENT
L-53	86.15'		S71° 13' 48.76"W	1+00.00	6655664.06	1828453.26	1+86.15	6655582.49	1828425.54	A3
C-39	111.00'	300.00'	S60° 37' 50.92"W	1+86.15	6655582.49	1828425.54	2+97.14	6655486.31	1828371.41	A3
L-52	42.60'		S71° 13' 48.76"W	2+97.14	6655486.31	1828371.41	3+39.74	6655453.67	1828344.05	A3
C-38	85.23'	500.00'	S45° 08' 52.85"W	3+39.74	6655453.67	1828344.05	4+24.97	6655393.32	1828284.01	A3
L-51	36.04'		S71° 13' 48.76"W	4+24.97	6655393.32	1828284.01	4+61.01	6655370.02	1828256.51	A3
C-37	142.19'	308.00'	S27° 02' 19.29"W	4+61.01	6655370.02	1828256.51	6+03.21	6655305.96	1828130.98	A3
L-50	84.71'		S71° 13' 48.76"W	6+03.21	6655305.96	1828130.98	6+87.92	6655285.73	1828048.71	A3
C-36	89.42'	590.00'	S18° 09' 16.25"W	6+87.92	6655285.73	1828048.71	7+77.34	6655257.90	1827963.83	A3
L-49	47.10'		S71° 13' 48.76"W	7+77.34	6655257.90	1827963.83	8+24.44	6655239.87	1827920.31	A3
C-35	89.26'	350.00'	S29° 48' 06.80"W	8+24.44	6655239.87	1827920.31	9+13.69	6655195.63	1827843.07	A3
L-48	21.31'		S71° 13' 48.76"W	9+13.69	6655195.63	1827843.07	9+35.00	6655182.78	1827826.08	A3
C-34	155.14'	182.00'	S61° 31' 36.85"W	9+35.00	6655182.78	1827826.08	10+90.14	6655050.50	1827754.33	A3
L-47	30.07'		S71° 13' 48.76"W	10+90.14	6655050.50	1827754.33	11+20.21	6655020.50	1827752.21	A3
C-33	140.84'	150.00'	S59° 02' 53.20"W	11+20.21	6655020.50	1827752.21	12+61.05	6654904.11	1827682.40	A3
C-32	221.36'	315.00'	S12° 01' 04.62"W	12+61.05	6654904.11	1827682.40	14+82.41	6654858.96	1827470.32	A3



TABLES CONTINUE ON FOLLOWING SHEET G-011  
**65% SUBMITTAL**  
**NOT FOR CONSTRUCTION**



PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

**CHANNEL ALIGNMENTS PLAN II**

FILENAME	G-010.dwg	SHEET	G-010
SCALE	AS SHOWN		



CHANNEL ALIGNMENTS - LINE AND CURVE TABLE. Table with columns: NUMBER, LENGTH, RADIUS, LINE/CHORD DIRECTION, START STATION, START EASTING, START NORTHING, END STATION, END EASTING, END NORTHING, ALIGNMENT. Rows include L-46, C-31, L-45, C-30, L-44, C-29, L-43, C-28, L-42, C-27, L-41, L-40, C-40, L-39, L-54.

CHANNEL ALIGNMENTS - LINE AND CURVE TABLE. Table with columns: NUMBER, LENGTH, RADIUS, LINE/CHORD DIRECTION, START STATION, START EASTING, START NORTHING, END STATION, END EASTING, END NORTHING, ALIGNMENT. Rows include L-96, C-72, C-70, C-71, C-74, L-97.

CHANNEL ALIGNMENTS - LINE AND CURVE TABLE. Table with columns: NUMBER, LENGTH, RADIUS, LINE/CHORD DIRECTION, START STATION, START EASTING, START NORTHING, END STATION, END EASTING, END NORTHING, ALIGNMENT. Rows include L-56, L-57, C-41, C-42, L-55, L-58.

CHANNEL ALIGNMENTS - LINE AND CURVE TABLE. Table with columns: NUMBER, LENGTH, RADIUS, LINE/CHORD DIRECTION, START STATION, START EASTING, START NORTHING, END STATION, END EASTING, END NORTHING, ALIGNMENT. Rows include L-101, C-79, L-102.

CHANNEL ALIGNMENTS - LINE AND CURVE TABLE. Table with columns: NUMBER, LENGTH, RADIUS, LINE/CHORD DIRECTION, START STATION, START EASTING, START NORTHING, END STATION, END EASTING, END NORTHING, ALIGNMENT. Rows include L-87, C-65.

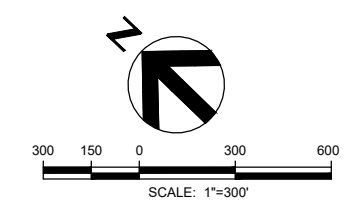
CHANNEL ALIGNMENTS - LINE AND CURVE TABLE. Table with columns: NUMBER, LENGTH, RADIUS, LINE/CHORD DIRECTION, START STATION, START EASTING, START NORTHING, END STATION, END EASTING, END NORTHING, ALIGNMENT. Rows include L-62, C-45, L-61, C-44, L-60, C-43, C-46, L-59, L-63.

CHANNEL ALIGNMENTS - LINE AND CURVE TABLE. Table with columns: NUMBER, LENGTH, RADIUS, LINE/CHORD DIRECTION, START STATION, START EASTING, START NORTHING, END STATION, END EASTING, END NORTHING, ALIGNMENT. Rows include L-90, C-66.

CHANNEL ALIGNMENTS - LINE AND CURVE TABLE. Table with columns: NUMBER, LENGTH, RADIUS, LINE/CHORD DIRECTION, START STATION, START EASTING, START NORTHING, END STATION, END EASTING, END NORTHING, ALIGNMENT. Rows include L-78, C-57, L-77, L-76, C-56, L-75, C-55, C-54, L-74, C-53, L-73.

CHANNEL ALIGNMENTS - LINE AND CURVE TABLE. Table with columns: NUMBER, LENGTH, RADIUS, LINE/CHORD DIRECTION, START STATION, START EASTING, START NORTHING, END STATION, END EASTING, END NORTHING, ALIGNMENT. Rows include L-93, C-67, C-68, C-69.

CHANNEL ALIGNMENTS - LINE AND CURVE TABLE. Table with columns: NUMBER, LENGTH, RADIUS, LINE/CHORD DIRECTION, START STATION, START EASTING, START NORTHING, END STATION, END EASTING, END NORTHING, ALIGNMENT. Rows include L-98, C-75, C-76, L-99, C-77, C-78.



65% SUBMITTAL  
NOT FOR CONSTRUCTION

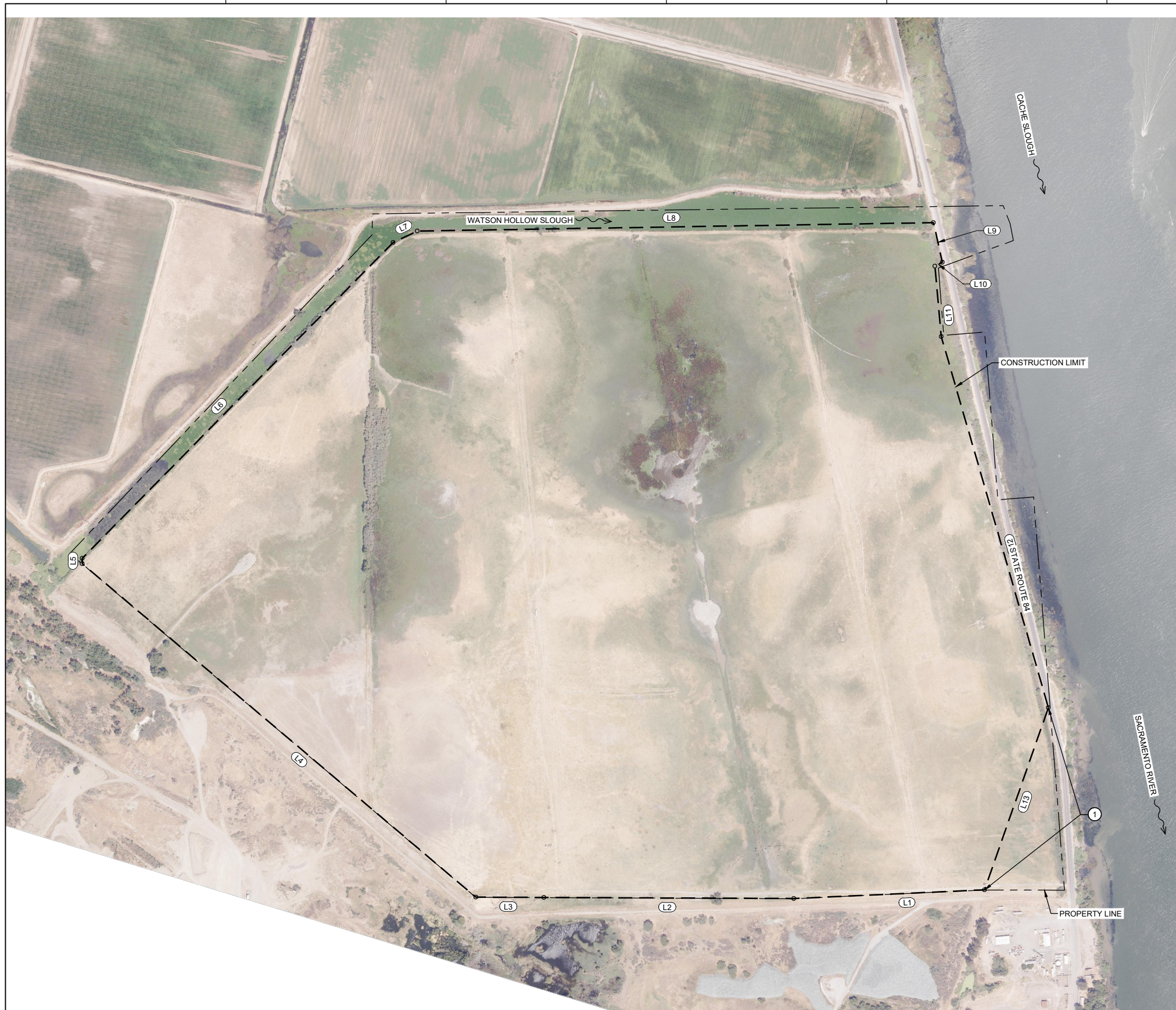


PROJECT INFORMATION TABLE. Columns: ISSUE, DATE, DESCRIPTION. Rows include PROJECT MANAGER (D. JABBOUR), DESIGNED BY (D. TEAK), DRAWN BY (A. BENNETT), CHECKED BY (M. SALMON), TECHNICAL LEAD (D. TEAK), DATE (MAY 2024), PROJECT NUMBER (10364495).

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HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA

CHANNEL ALIGNMENTS  
LINE AND CURVE TABLES

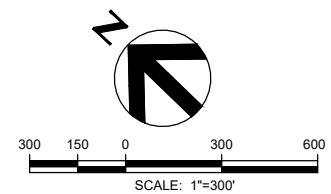




CONSTRUCTION LIMIT - LINE TABLE						
NUMBER	LENGTH	DIRECTION	START EASTING	START NORTHING	END EASTING	END NORTHING
L1	1026.58'	N46° 36' 50.38"W	6655052.03	1825735.61	6654305.97	1826440.78
L2	1343.58'	N43° 44' 58.71"W	6654305.97	1826440.78	6653376.88	1827411.33
L3	366.64'	N43° 45' 42.71"W	6653376.88	1827411.33	6653123.29	1827676.12
L4	2774.75'	N03° 42' 38.30"W	6653123.29	1827676.12	6652943.71	1830445.06
L5	28.81'	N47° 03' 59.42"E	6652943.71	1830445.06	6652964.81	1830464.69
L6	2383.12'	S89° 28' 23.60"E	6652964.81	1830464.69	6655347.83	1830442.78
L7	144.40'	S69° 17' 52.93"E	6655347.83	1830442.78	6655482.90	1830391.73
L8	2775.98'	S44° 56' 07.01"E	6655482.90	1830391.73	6657443.60	1828426.61
L9	218.66'	S33° 15' 29.38"W	6657443.60	1828426.61	6657323.68	1828243.76
L10	45.33'	N70° 47' 27.20"W	6657323.68	1828243.76	6657280.87	1828258.67
L11	381.25'	S40° 50' 56.43"W	6657280.87	1828258.67	6657031.51	1827970.29
L12	2077.53'	S29° 54' 05.18"W	6657031.51	1827970.29	6655995.84	1826169.31
L13	1038.69'	S65° 19' 13.25"W	6655995.84	1826169.31	6655052.03	1825735.61

**CONSTRUCTION NOTES:**

1. CONSTRUCTION LIMIT FOLLOWS THE CITY OF RIO VISTA BOUNDARY.



**65% SUBMITTAL  
NOT FOR CONSTRUCTION**



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

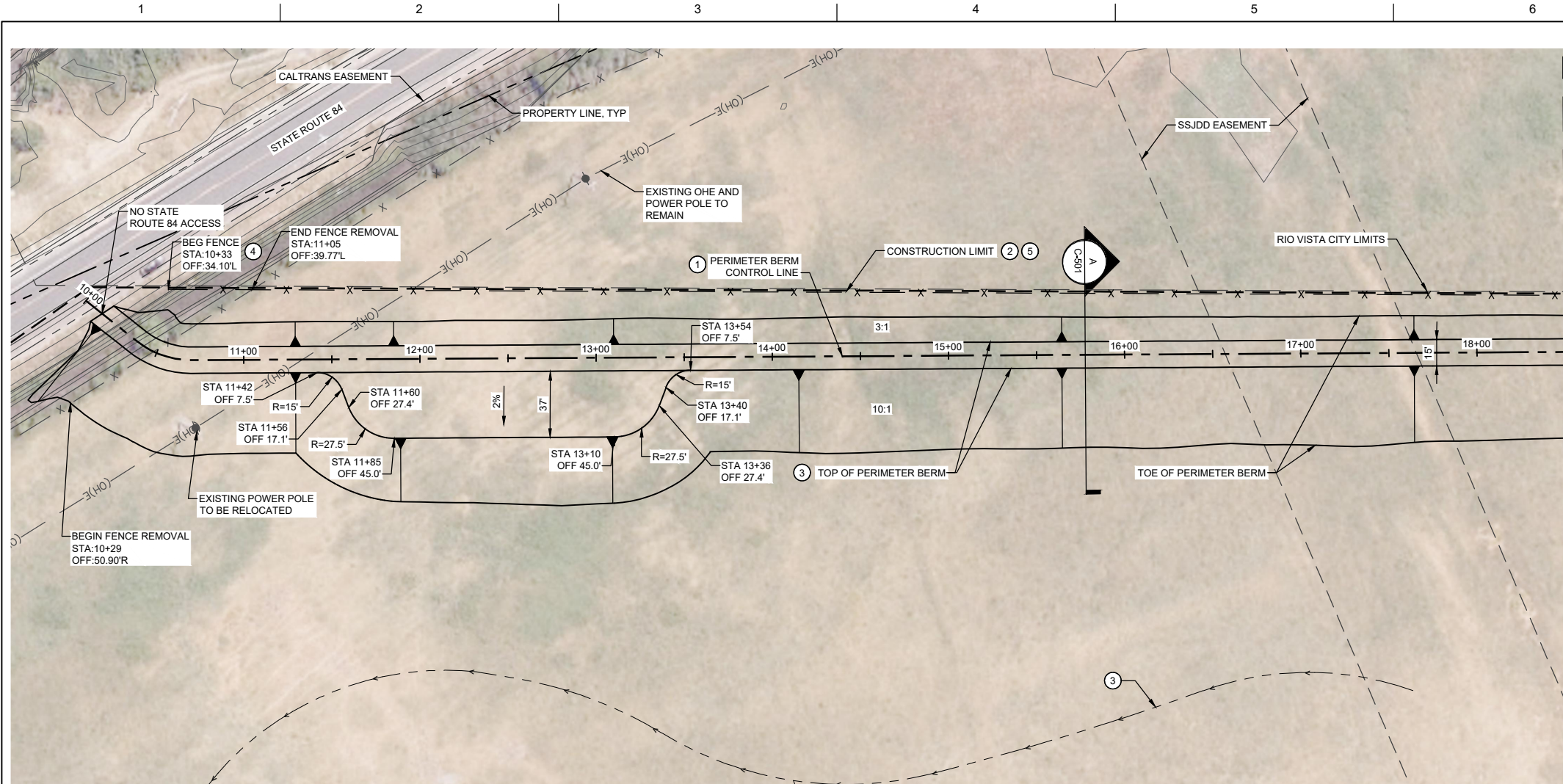
**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

**CONSTRUCTION LIMIT  
LINE AND TABLE**

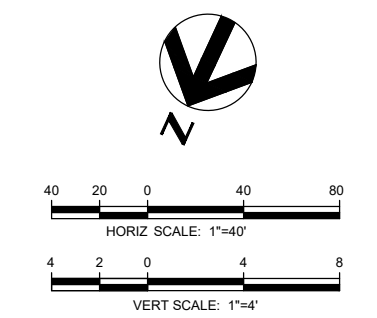
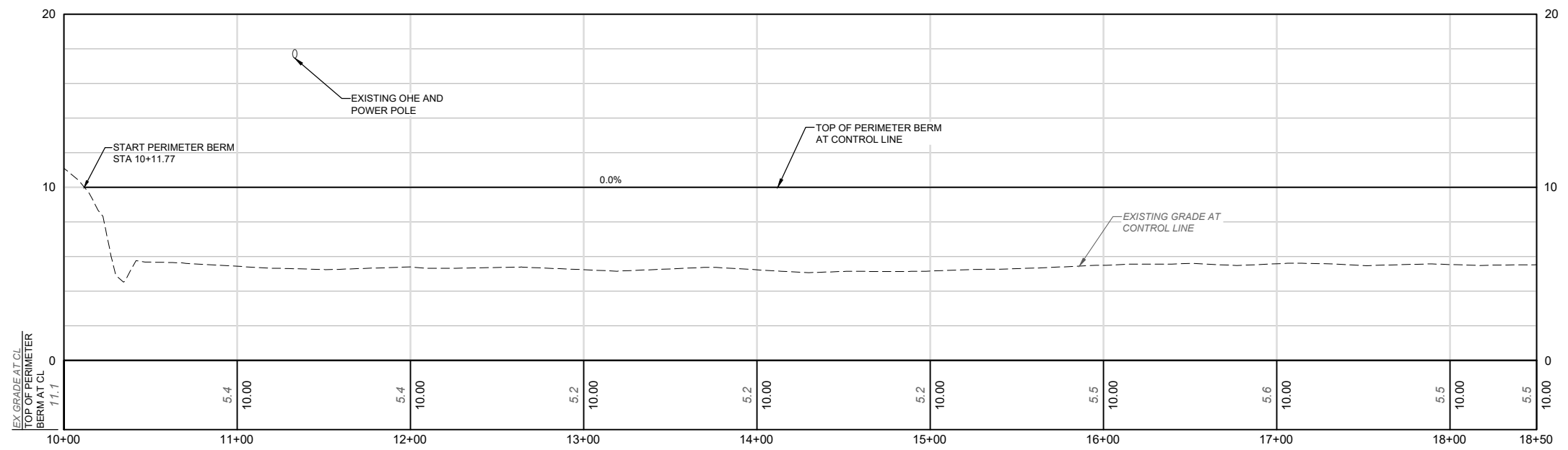
FILENAME | G-012.dwg  
SCALE | AS SHOWN

SHEET  
G-012





- CONSTRUCTION NOTES:**
- SEE SHEET G-007 FOR BERM LINE AND CURVE TABLES.
  - SEE SHEET G-010 FOR CONSTRUCTION LIMIT LINE AND TABLE.
  - SHEETS C-100 TO C-111 SHOW LINEWORK FOR PERIMETER BERM CONSTRUCTION ONLY. INTERIOR CHANNEL, INTER-TIDAL MOUNDS, AND V-DITCH ARE SHOWN ON SHEETS C-112 TO C-115.
  - AFTER BERM CONSTRUCTION INSTALL 5-STRAND BARBED WIRE FENCE OFFSET TWO FEET FROM THE CONSTRUCTION LIMIT TOWARDS THE BERM.
  - CONSTRUCTION LIMIT FROM STA 10+00 TO STA 20+14 FOLLOWS AND IS LIMITED BY THE CITY OF RIO VISTA BOUNDARY.



**65% SUBMITTAL  
NOT FOR CONSTRUCTION**



ISSUE	DATE	DESCRIPTION

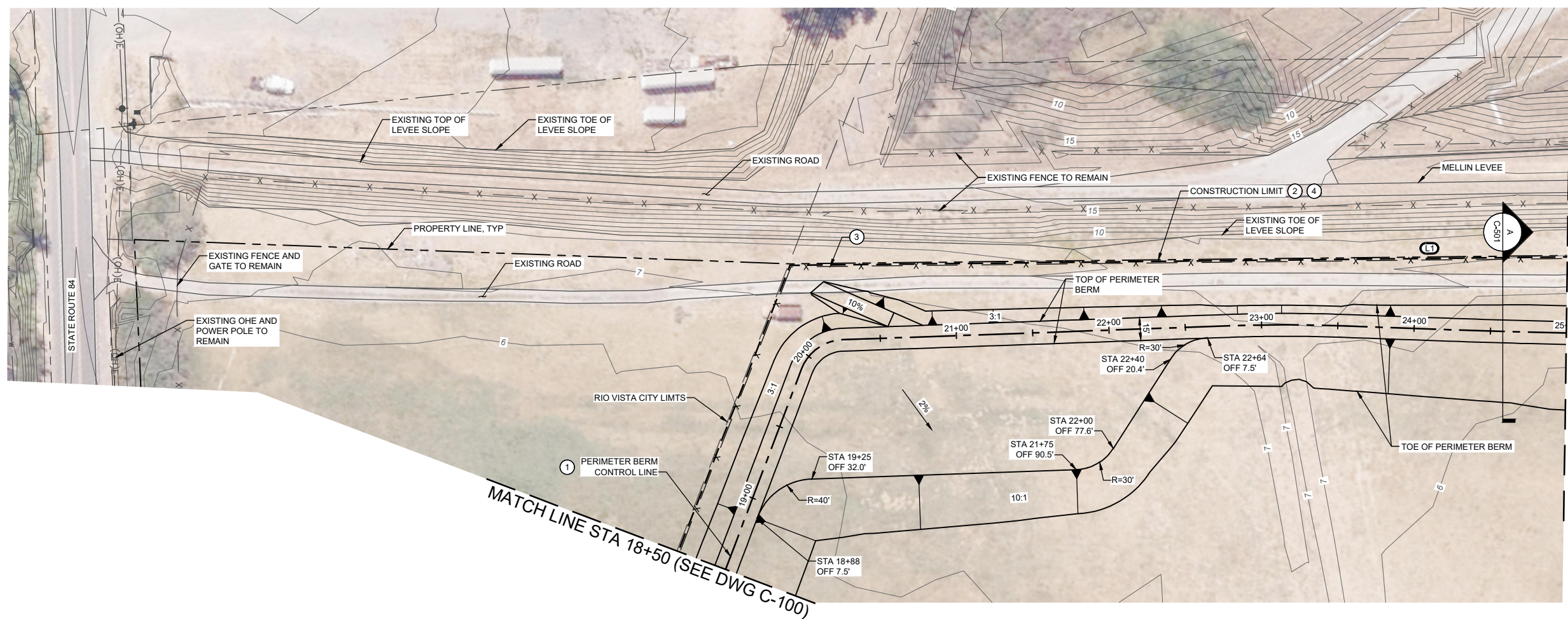
PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

**BERM SOUTH PLAN AND PROFILE  
STA 10+00 TO 18+50**

FILENAME	C-100.dwg	SHEET	
SCALE	AS SHOWN		
			C-100

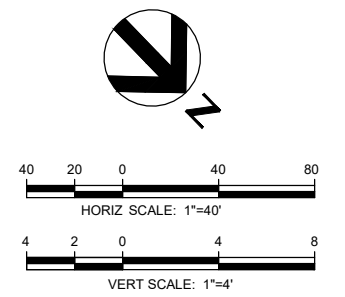
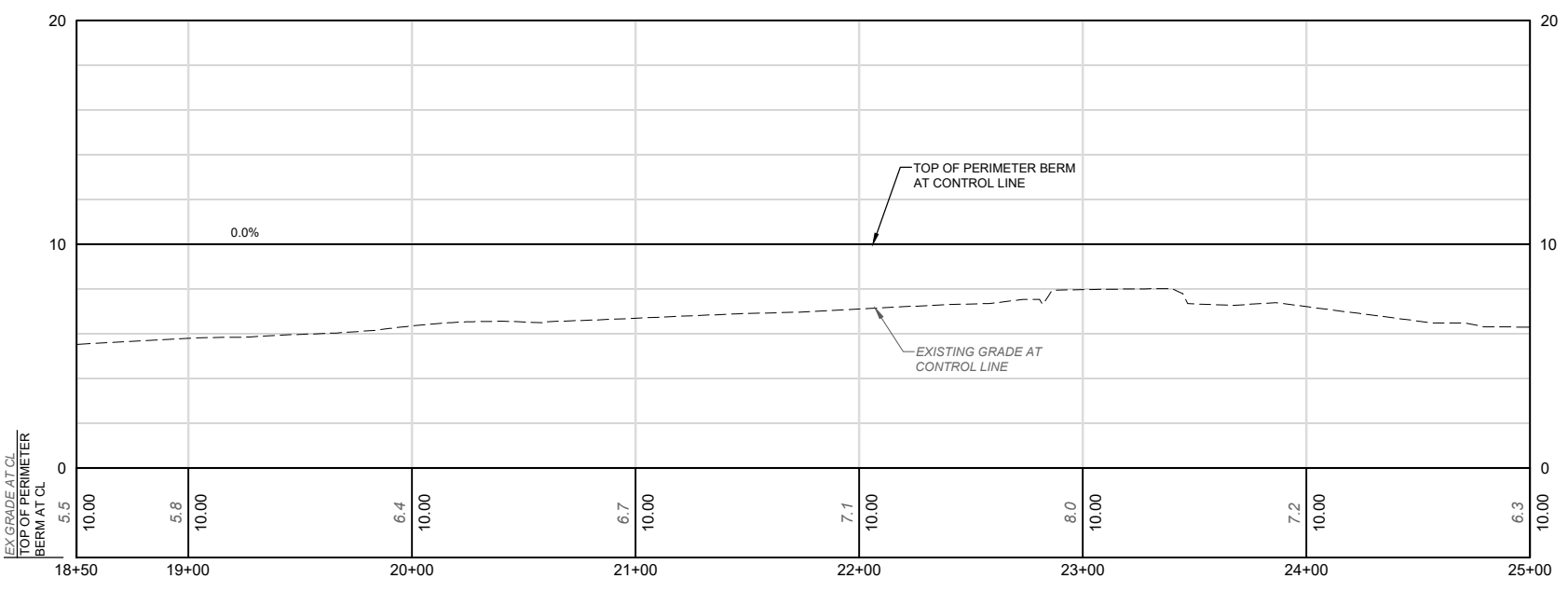




- CONSTRUCTION NOTES:**
- SEE SHEET G-007 FOR PERIMETER BERM CONTROL LINE AND CURVE TABLES.
  - SEE SHEET G-010 FOR CONSTRUCTION LIMIT LINE AND TABLE.
  - AFTER BERM CONSTRUCTION INSTALL 5-STRANDED BARBED WIRE FENCE OFFSET TWO FEET FROM THE CONSTRUCTION LIMIT TOWARDS THE BERM.
  - CONSTRUCTION LIMIT FROM STA 10+00 TO STA 20+14 FOLLOWS AND IS LIMITED BY THE CITY OF RIO VISTA BOUNDARY.

MATCH LINE STA 18+50 (SEE DWG C-100)

MATCH LINE STA 25+00 (SEE DWG C-102)



**65% SUBMITTAL  
NOT FOR CONSTRUCTION**



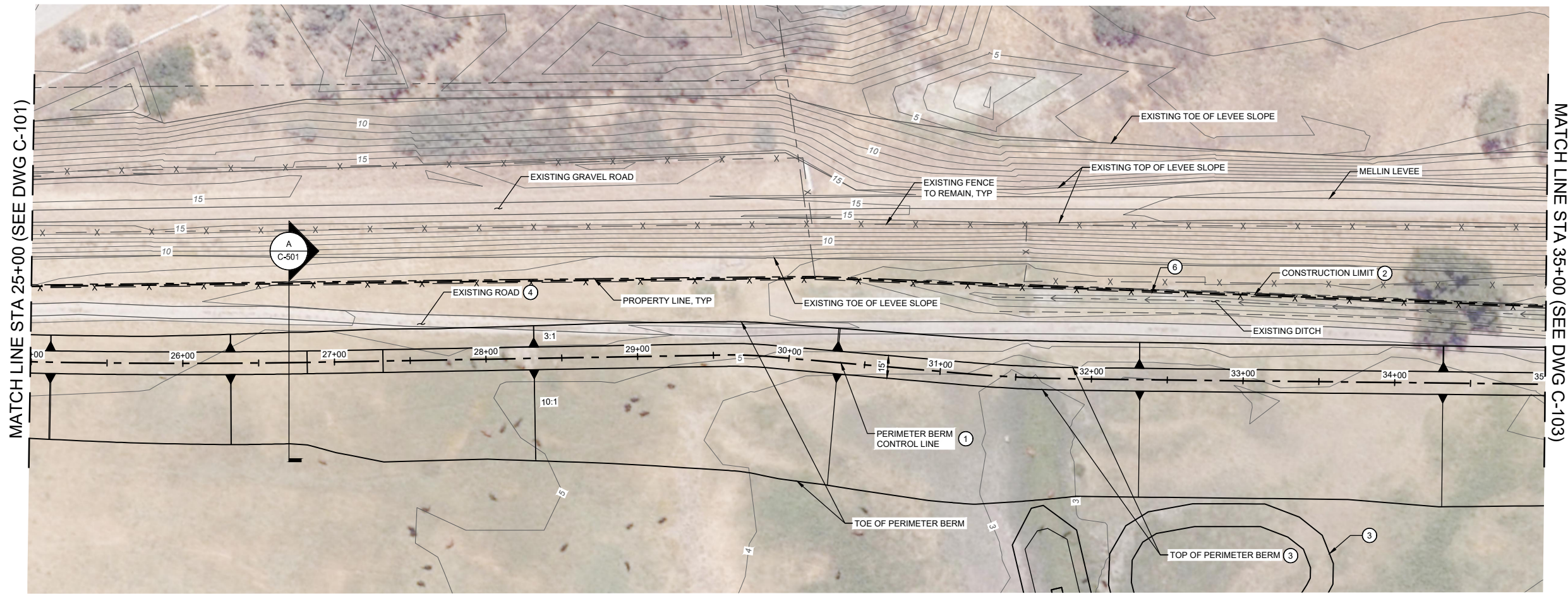
PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

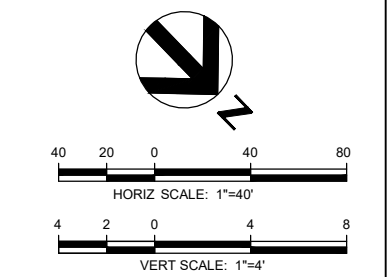
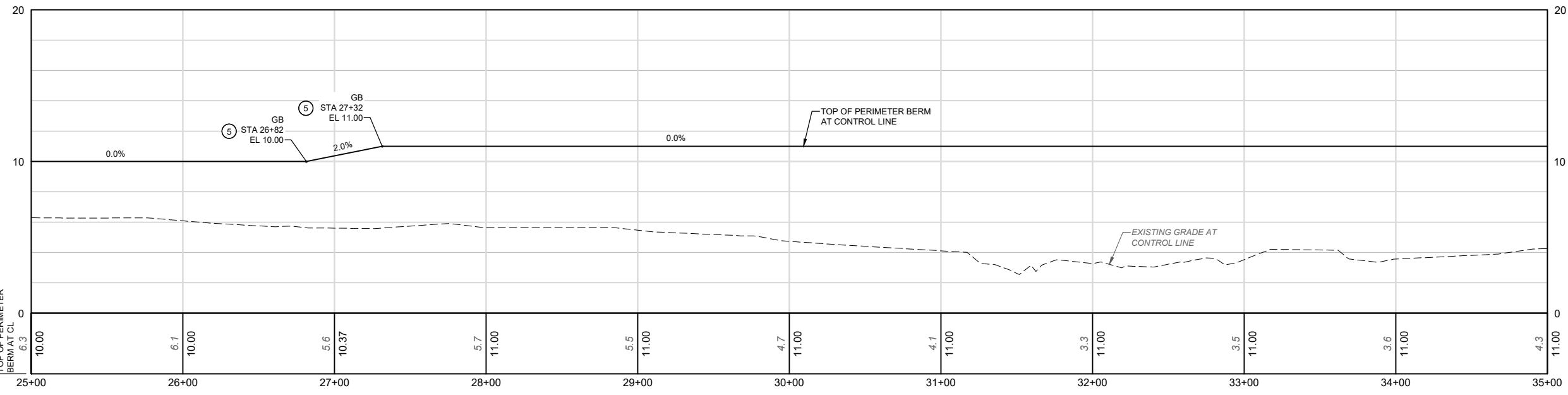
**BERM PLAN AND PROFILE  
STA 18+50 TO 25+00**

FILENAME	C-101.dwg	SHEET	C-101
SCALE	AS SHOWN		





- CONSTRUCTION NOTES:**
- ① SEE SHEET G-007 FOR PERIMETER BERM CONTROL LINE AND CURVE TABLES.
  - ② SEE SHEET G-010 FOR CONSTRUCTION LIMIT LINE AND TABLE.
  - ③ SHEETS C-100 TO C-111 SHOW LINEWORK FOR PERIMETER BERM CONSTRUCTION ONLY. INTERIOR CHANNEL GRADING IS SHOWN ON SHEETS C-112 TO C-115.
  - ④ EXISTING ROAD TO BE REMOVED AS NEEDED FOR CONSTRUCTION ACTIVITIES FROM STA 27+00 TO STA 69+00.
  - ⑤ ELEVATION CHANGE IS TO ACCOUNT FOR FUTURE LONG TERM SETTLEMENT.
  - ⑥ AFTER BERM CONSTRUCTION INSTALL A 5-STRAND BARBED WIRE FENCE OFFSET TWO FEET FROM THE CONSTRUCTION LIMIT TOWARDS THE BERM.



**65% SUBMITTAL  
NOT FOR CONSTRUCTION**



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

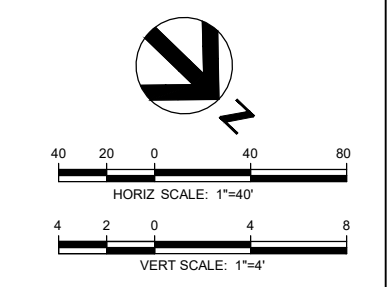
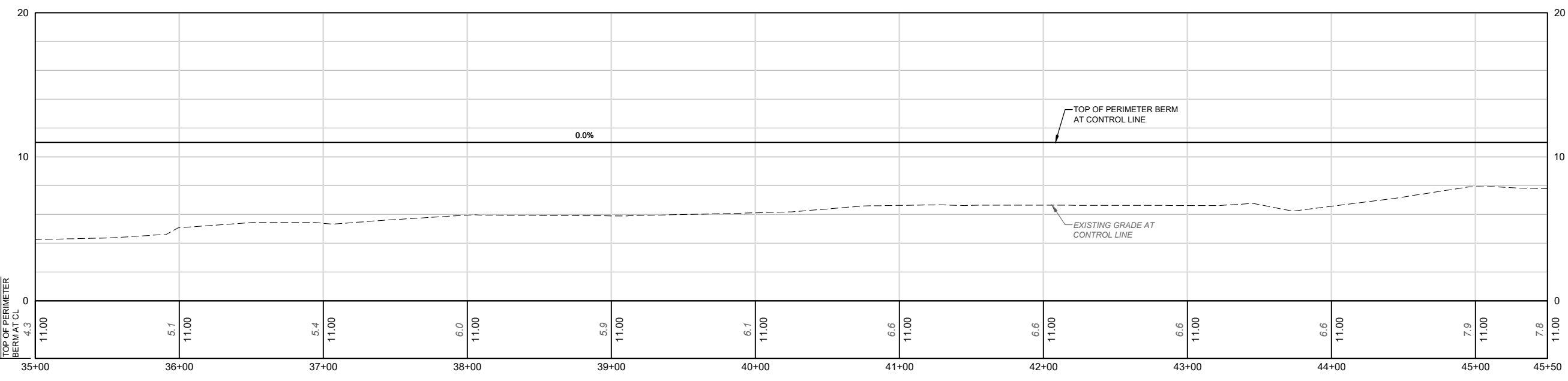
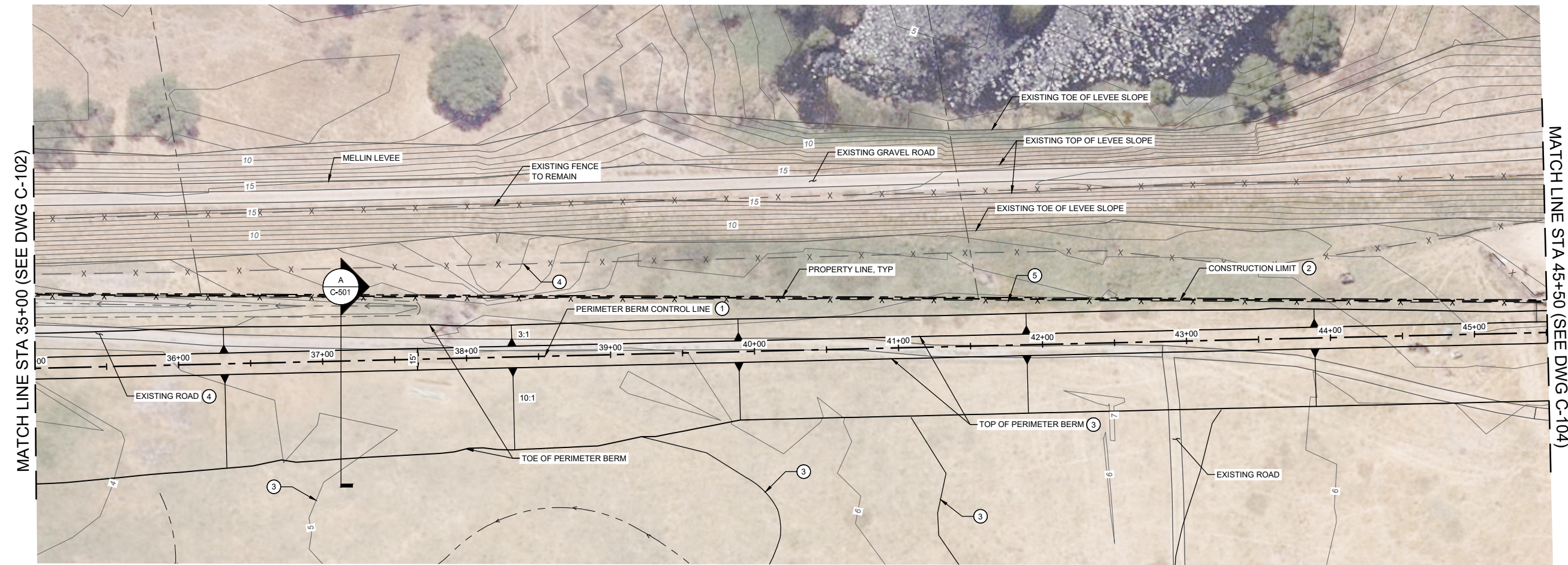
**BERM PLAN AND PROFILE  
STA 25+00 TO 35+00**

FILENAME	C-102.dwg	SHEET	
SCALE	AS SHOWN		
			C-102



**CONSTRUCTION NOTES:**

- ① SEE SHEET G-007 FOR PERIMETER BERM CONTROL LINE AND CURVE TABLES.
- ② SEE SHEET G-010 FOR CONSTRUCTION LIMIT LINE AND TABLE.
- ③ SHEETS C-100 TO C-111 SHOW LINEWORK FOR PERIMETER BERM CONSTRUCTION ONLY. INTERIOR CHANNEL GRADING IS SHOWN ON SHEETS C-112 TO C-115.
- ④ EXISTING ROAD TO BE REMOVED AS NEEDED FOR CONSTRUCTION ACTIVITIES FROM STA 27+00 TO STA 69+00
- ⑤ AFTER BERM CONSTRUCTION INSTALL 5-STRAND BARBED WIRE FENCE OFFSET TWO FEET FROM THE CONSTRUCTION LIMIT TOWARDS THE BERM.



**65% SUBMITTAL  
NOT FOR CONSTRUCTION**



ISSUE	DATE	DESCRIPTION

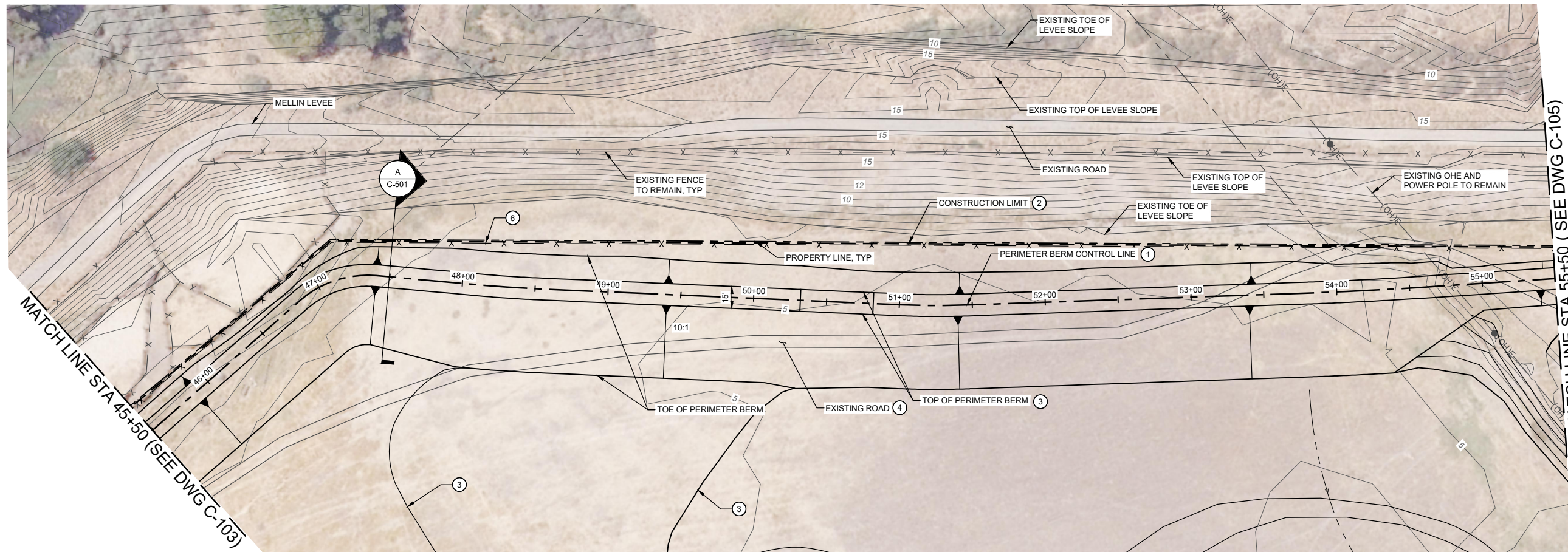
PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

**BERM PLAN AND PROFILE  
STA 35+00 TO 45+50**

FILENAME	C-103.dwg	SHEET
SCALE	AS SHOWN	C-103

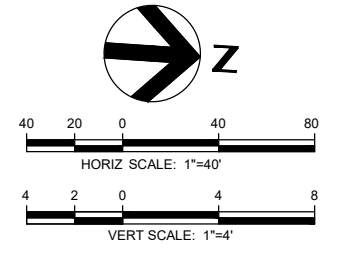
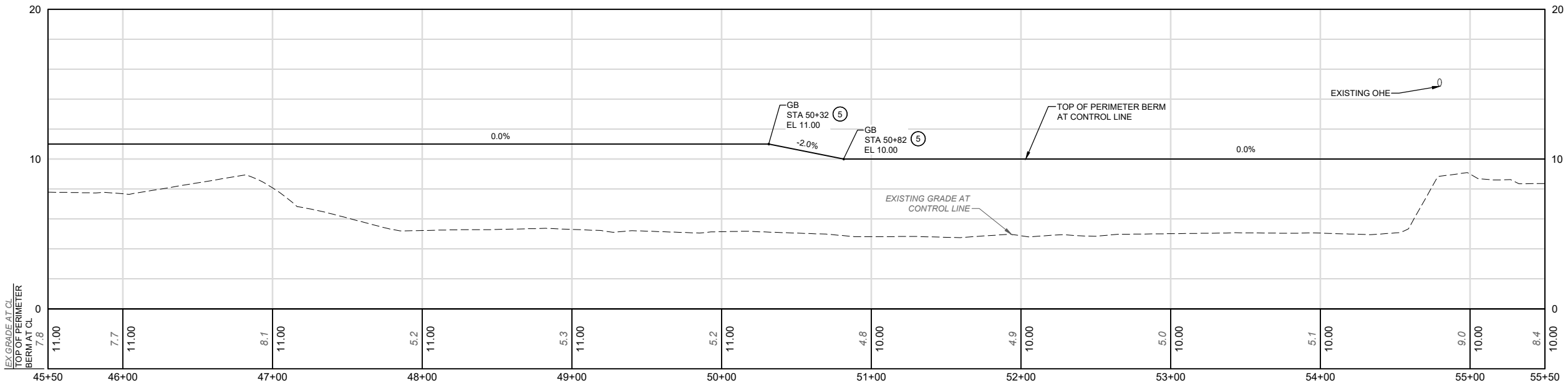




- CONSTRUCTION NOTES:**
- ① SEE SHEET G-007 FOR PERIMETER BERM CONTROL LINE AND CURVE TABLES.
  - ② SEE SHEET G-010 FOR CONSTRUCTION LIMIT LINE AND TABLE.
  - ③ SHEETS C-100 TO C-111 SHOW LINEWORK FOR PERIMETER BERM CONSTRUCTION ONLY. INTERIOR CHANNEL GRADING IS SHOWN ON SHEETS C-112 TO C-115.
  - ④ EXISTING ROAD TO BE REMOVED AS NEEDED FOR CONSTRUCTION ACTIVITIES FROM STA 27+00 TO SA 69+00.
  - ⑤ ELEVATION CHANGE IS TO ACCOUNT FOR FUTURE LONG TERM SETTLEMENT.
  - ⑥ AFTER BERM CONSTRUCTION INSTALL 5-STRAND BARBED WIRE FENCE OFFSET TWO FEET FROM THE CONSTRUCTION LIMIT TOWARDS THE BERM.

MATCH LINE STA 45+50 (SEE DWG C-103)

MATCH LINE STA 55+50 (SEE DWG C-105)



**65% SUBMITTAL  
NOT FOR CONSTRUCTION**



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

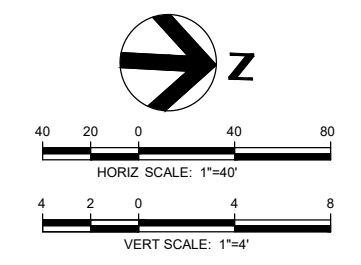
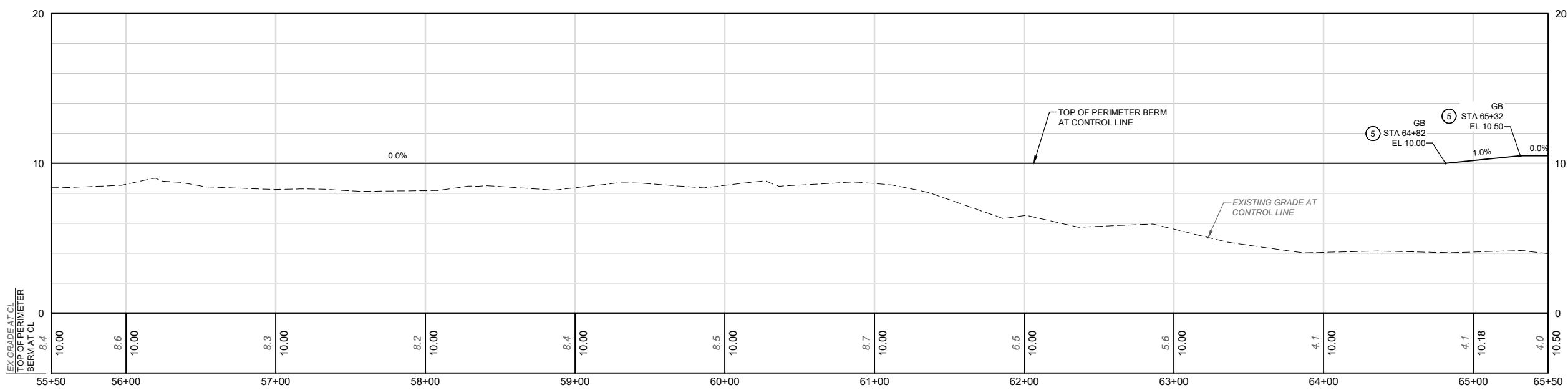
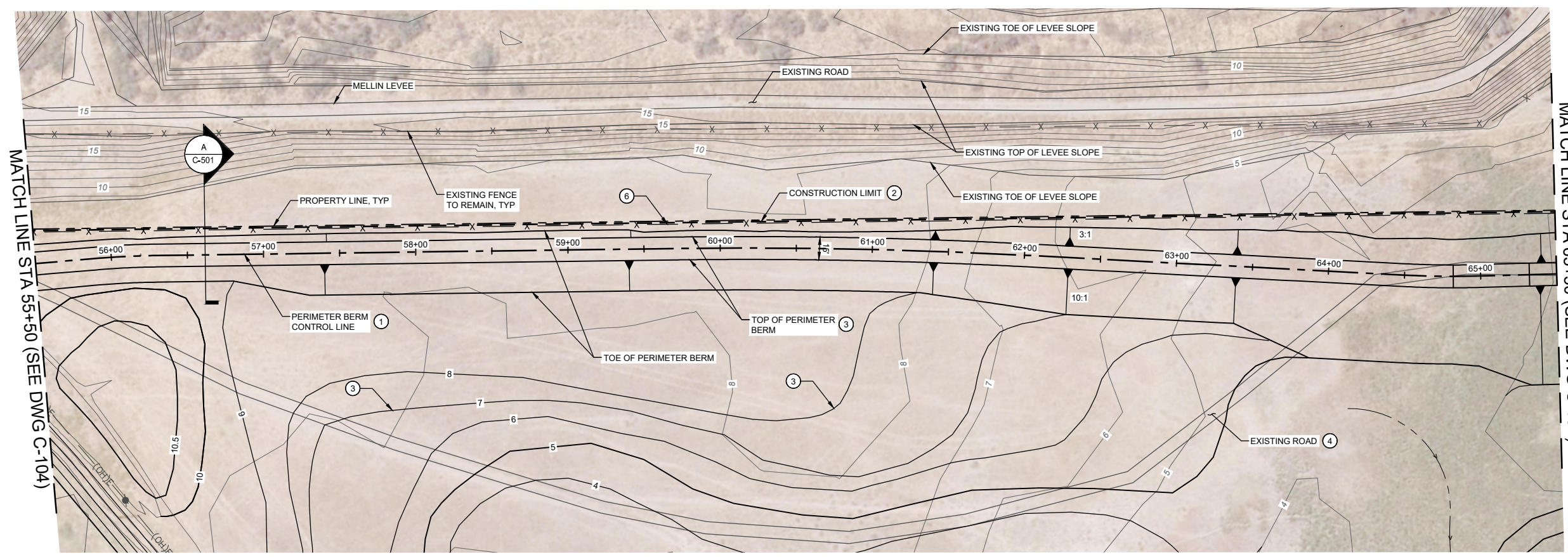
**BERM PLAN AND PROFILE  
STA 45+50 TO 55+50**

FILENAME	C-104.dwg	SHEET
SCALE	AS SHOWN	C-104



**CONSTRUCTION NOTES:**

- ① SEE SHEET G-007 FOR PERIMETER BERM CONTROL LINE AND CURVE TABLES.
- ② SEE SHEET G-010 FOR CONSTRUCTION LIMIT LINE AND TABLE.
- ③ SHEETS C-100 TO C-111 SHOW LINWORK FOR PERIMETER BERM CONSTRUCTION ONLY. INTERIOR CHANNEL GRADING IS SHOWN ON SHEETS C-112 TO C-115.
- ④ EXISTING ROAD TO BE REMOVED AS NEEDED FOR CONSTRUCTION ACTIVITIES FROM STA 27+00 TO STA 69+00.
- ⑤ ELEVATION CHANGE IS TO ACCOUNT FOR FUTURE LONG TERM SETTLEMENT.
- ⑥ AFTER BERM CONSTRUCTION INTALL 5-STRAND BARBED WIRE FENCE OFFSET TWO FEET FROM THE CONSTRUCTION LIMIT TOWARDS THE BERM.



**65% SUBMITTAL  
NOT FOR CONSTRUCTION**



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

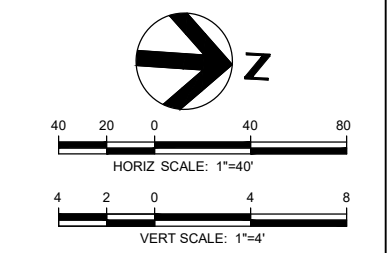
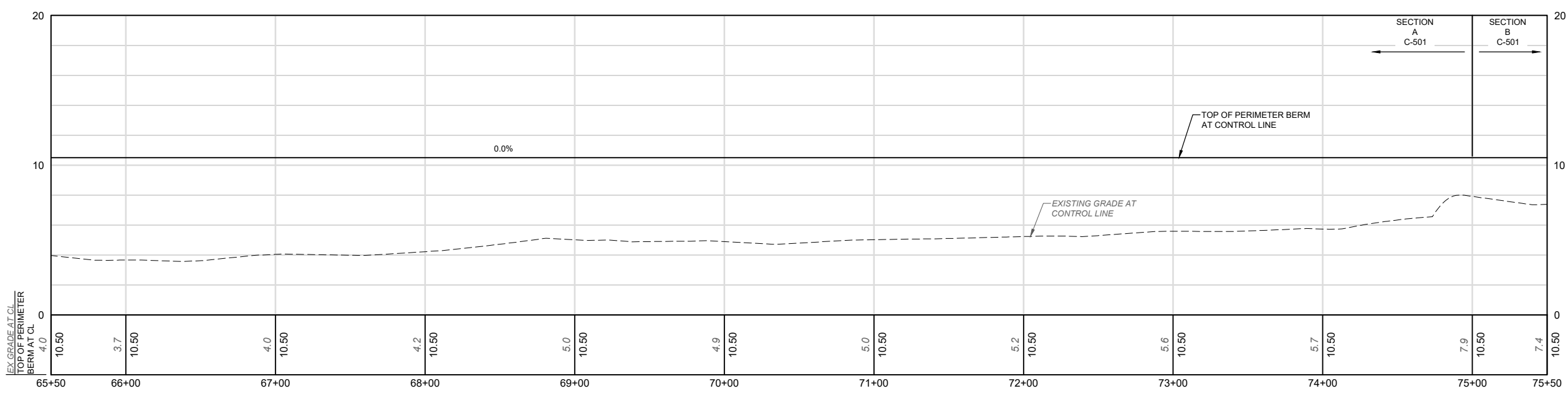
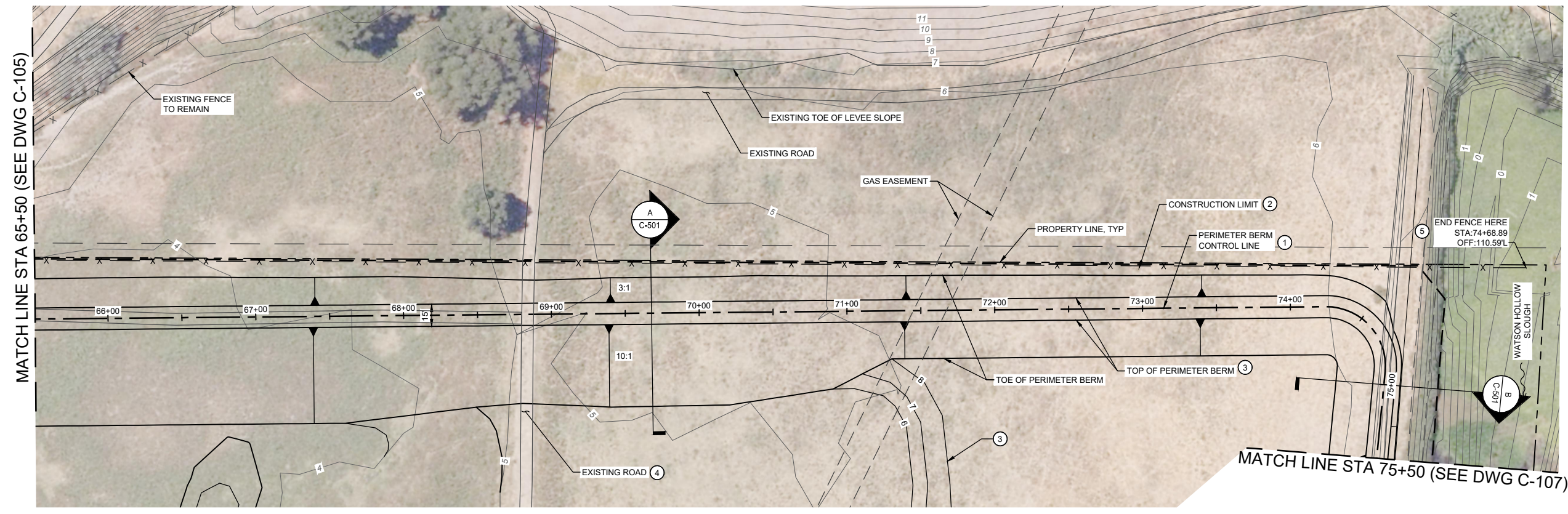
**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

**BERM PLAN AND PROFILE  
STA 55+50 TO 65+50**

FILENAME	C-105.dwg	SHEET	
SCALE	AS SHOWN		
			C-105



- CONSTRUCTION NOTES:**
- SEE SHEET G-007 FOR PERIMETER BERM CONTROL LINE AND CURVE TABLES.
  - SEE SHEET G-010 FOR CONSTRUCTION LIMIT LINE AND TABLE.
  - SHEETS C-100 TO C-111 SHOW LINWORK FOR PERIMETER BERM CONSTRUCTION ONLY. INTERIOR CHANNEL GRADING IS SHOWN ON SHEETS C-112 TO C-115.
  - EXISTING ROAD TO BE REMOVED AS NEEDED FOR CONSTRUCTION ACTIVITIES FROM STA 27+00 TO STA 69+00.
  - AFTER BERM CONSTRUCTION INSTALL 5-STRAND BARBED WIRE FENCE OFFSET TWO FEET FROM THE CONSTRUCTION LIMIT TOWARDS THE BERM.



**65% SUBMITTAL  
NOT FOR CONSTRUCTION**



PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

ISSUE	DATE	DESCRIPTION

**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

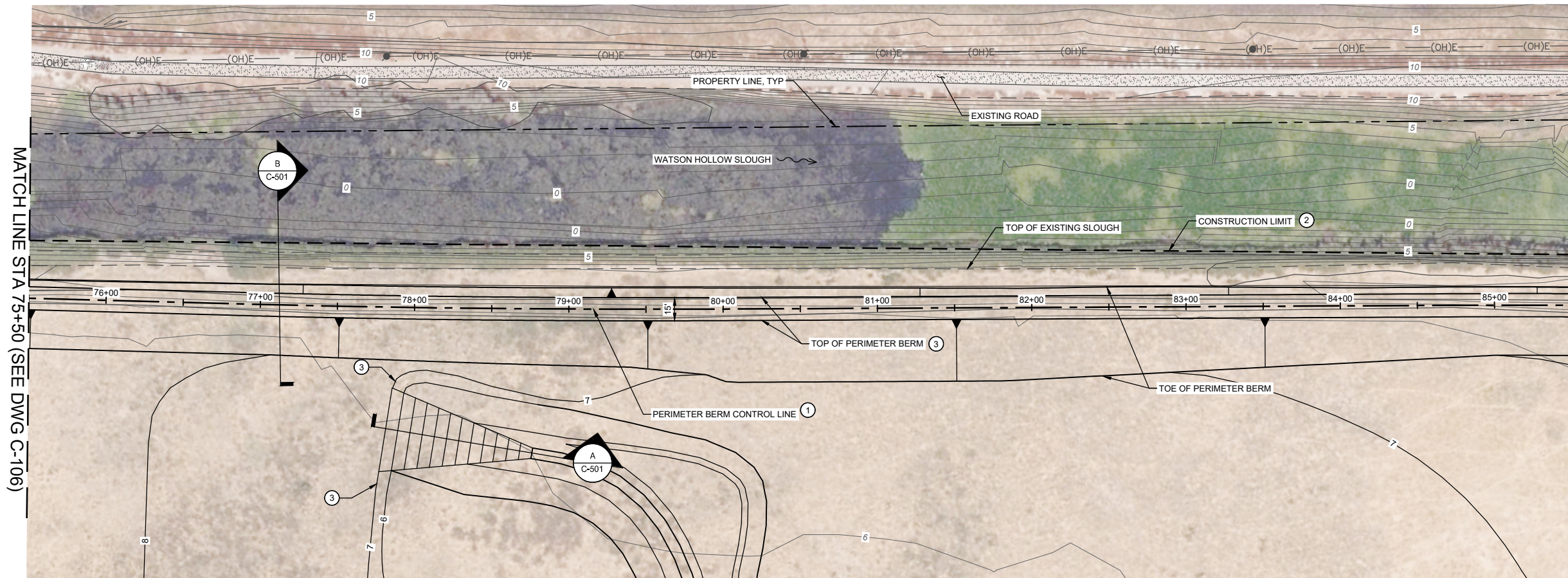
**BERM PLAN AND PROFILE  
STA 65+50 TO 75+50**

FILENAME	C-106.dwg	SHEET	C-106
SCALE	AS SHOWN		

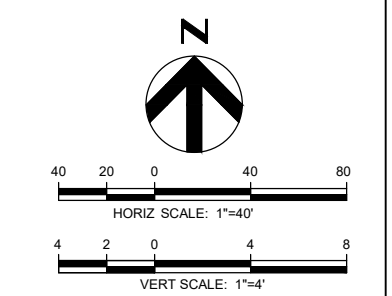
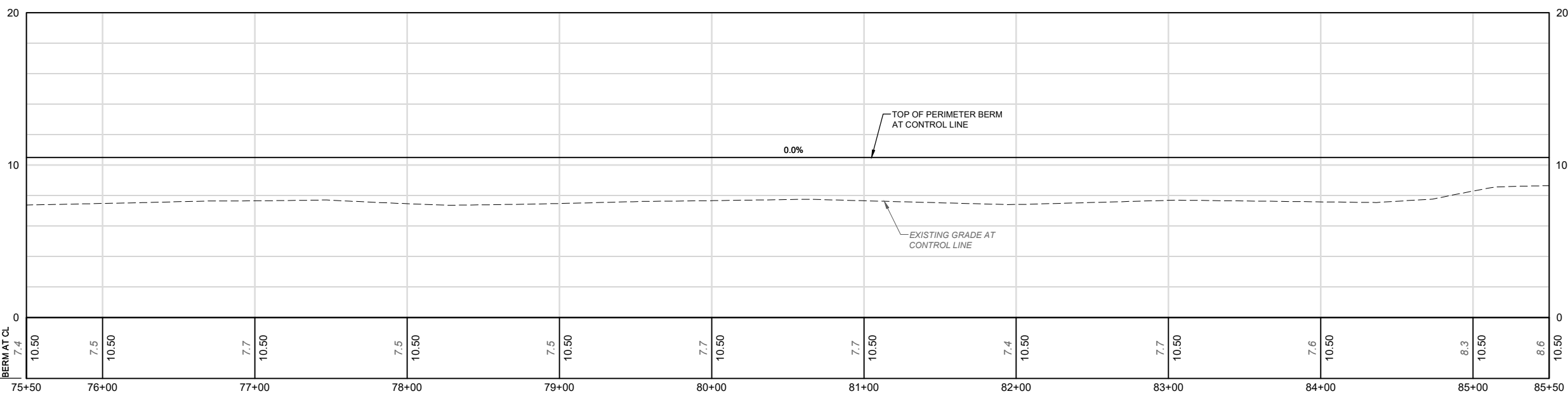


**CONSTRUCTION NOTES:**

- ① SEE SHEET G-007 FOR PERIMETER BERM CONTROL LINE AND CURVE TABLES.
- ② SEE SHEET G-010 FOR CONSTRUCTION LIMIT LINE AND TABLE.
- ③ SHEETS C-100 TO C-111 SHOW LINWORK FOR PERIMETER BERM CONSTRUCTION ONLY. INTERIOR CHANNEL GRADING IS SHOWN ON SHEETS C-112 TO C-115.



MATCH LINE STA 85+50 (SEE DWG C-108)



**65% SUBMITTAL  
NOT FOR CONSTRUCTION**



PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

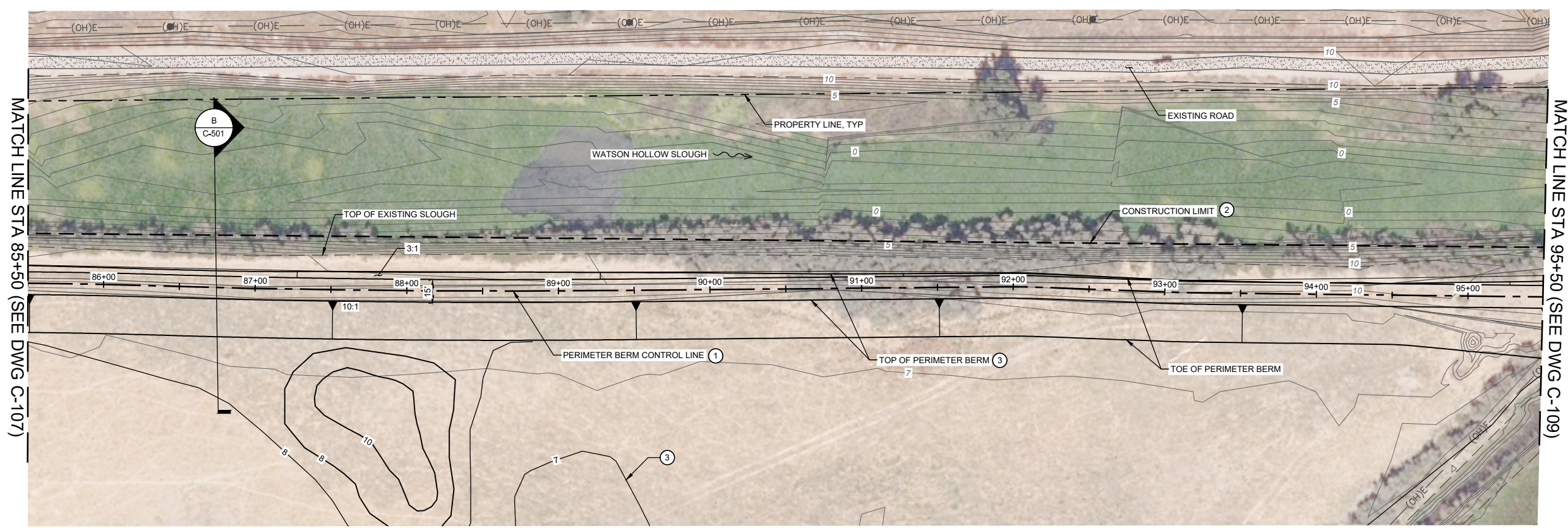
**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

**BERM PLAN AND PROFILE  
STA 75+50 TO 85+50**

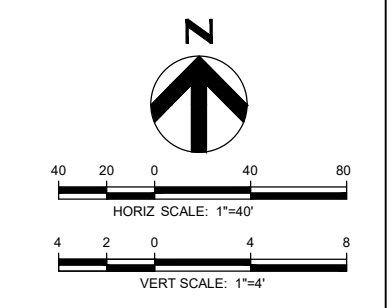
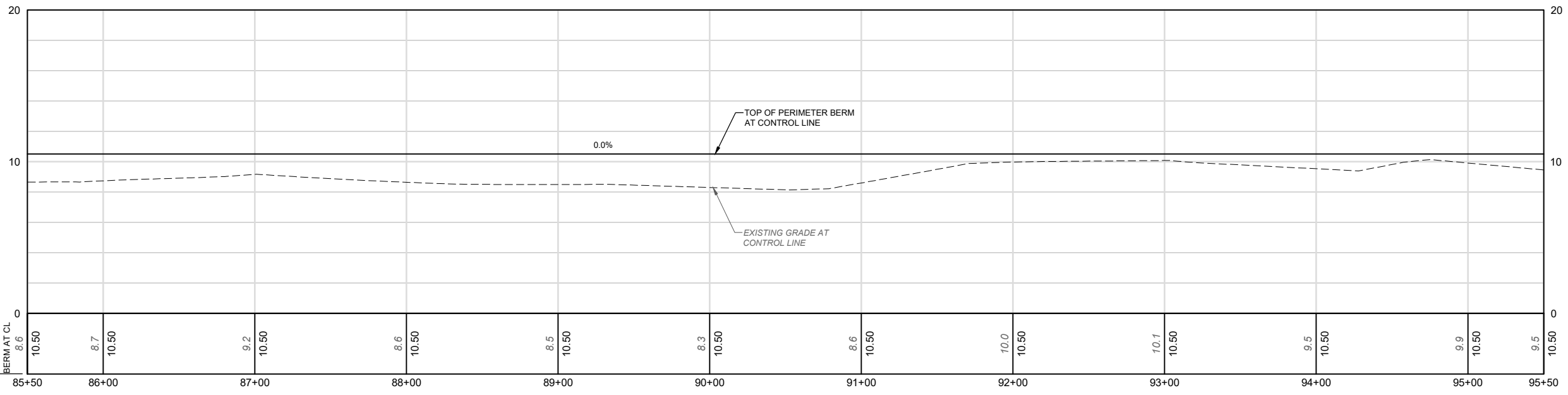
FILENAME | C-107.dwg | SHEET | C-107  
SCALE | AS SHOWN

ISSUE	DATE	DESCRIPTION





- CONSTRUCTION NOTES:**
- ① SEE SHEET G-007 FOR PERIMETER BERM CONTROL LINE AND CURVE TABLES.
  - ② SEE SHEET G-010 FOR CONSTRUCTION LIMIT LINE AND TABLE.
  - ③ SHEETS C-100 TO C-111 SHOW LINEWORK FOR PERIMETER BERM CONSTRUCTION ONLY. INTERIOR CHANNEL BERM GRADING IS SHOWN ON SHEETS C-112 TO C-115.



**65% SUBMITTAL  
NOT FOR CONSTRUCTION**



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

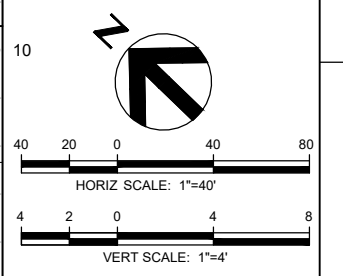
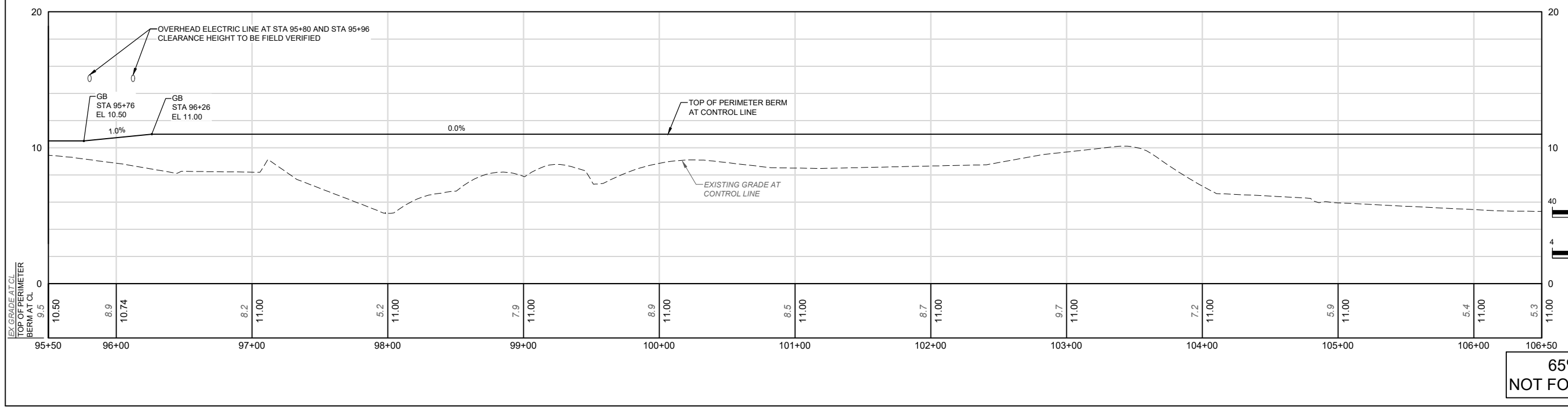
**BERM PLAN AND PROFILE  
STA 85+50 TO 95+50**

FILENAME	C-108.dwg	SHEET	C-108
SCALE	AS SHOWN		





- CONSTRUCTION NOTES:**
- SEE SHEET G-007 FOR PERIMETER BERM CONTROL LINE AND CURVE TABLES.
  - SEE SHEET G-010 FOR CONSTRUCTION LIMIT LINE AND TABLE.
  - SHEETS C-100 TO C-111 SHOW LINWORK FOR PERIMETER BERM CONSTRUCTION ONLY. INTERIOR CHANNEL GRADING IS SHOWN ON SHEETS C-112 TO C-115.
  - EXISTING ROAD TO BE REMOVED AS NEEDED FOR CONSTRUCTION ACTIVITIES FROM STA 105+00 TO STA 107+50.



**65% SUBMITTAL  
NOT FOR CONSTRUCTION**



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

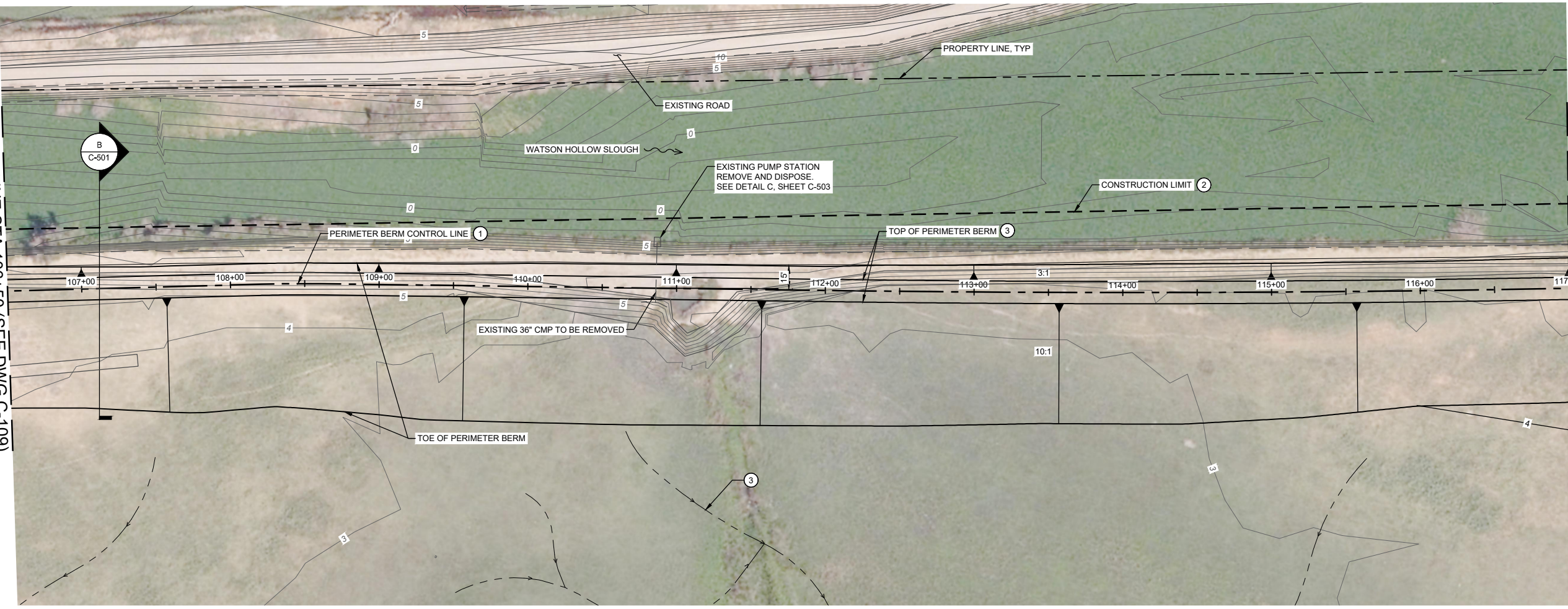
**BERM PLAN AND PROFILE  
STA 95+50 TO 106+50**

FILENAME	C-109.dwg	SHEET
SCALE	AS SHOWN	C-109

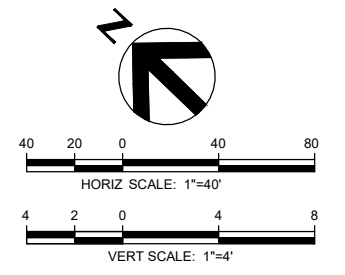
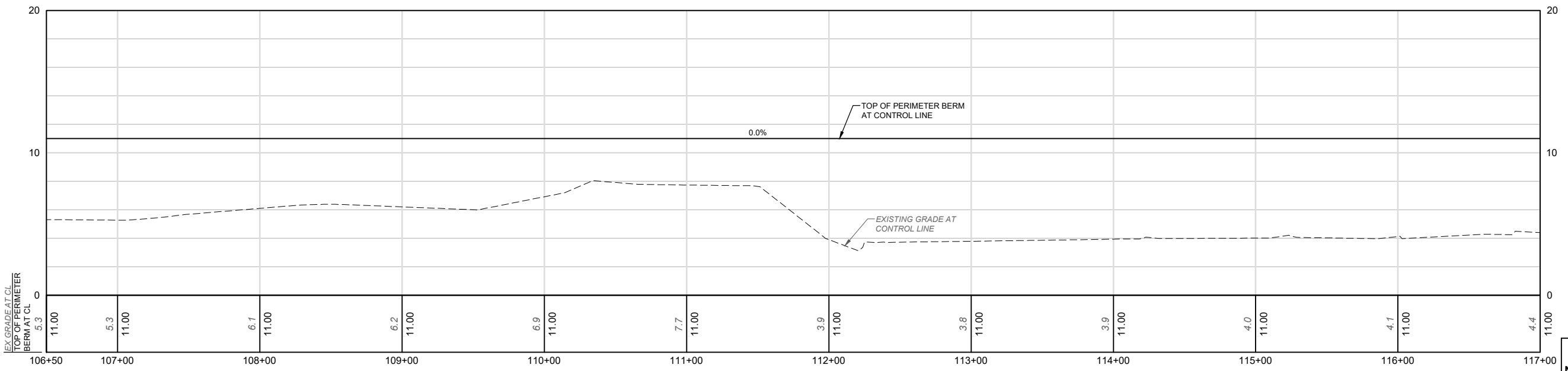


MATCH LINE STA 106+50 (SEE DWG C-109)

MATCH LINE STA 117+00 (SEE DWG C-111)



- CONSTRUCTION NOTES:**
- ① SEE SHEET G-007 FOR PERIMETER BERM CONTROL LINE AND CURVE TABLES.
  - ② SEE SHEET G-010 FOR CONSTRUCTION LIMIT LINE AND TABLE.
  - ③ SHEETS C-100 TO C-111 SHOW LINWORK FOR PERIMETER BERM CONSTRUCTION ONLY. INTERIOR CHANNEL GRADING IS SHOWN ON SHEETS C-112 TO C-115.



**65% SUBMITTAL  
NOT FOR CONSTRUCTION**



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

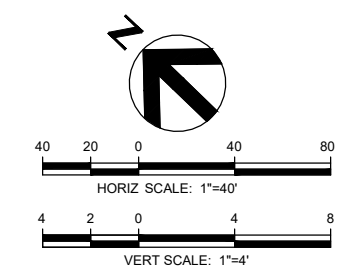
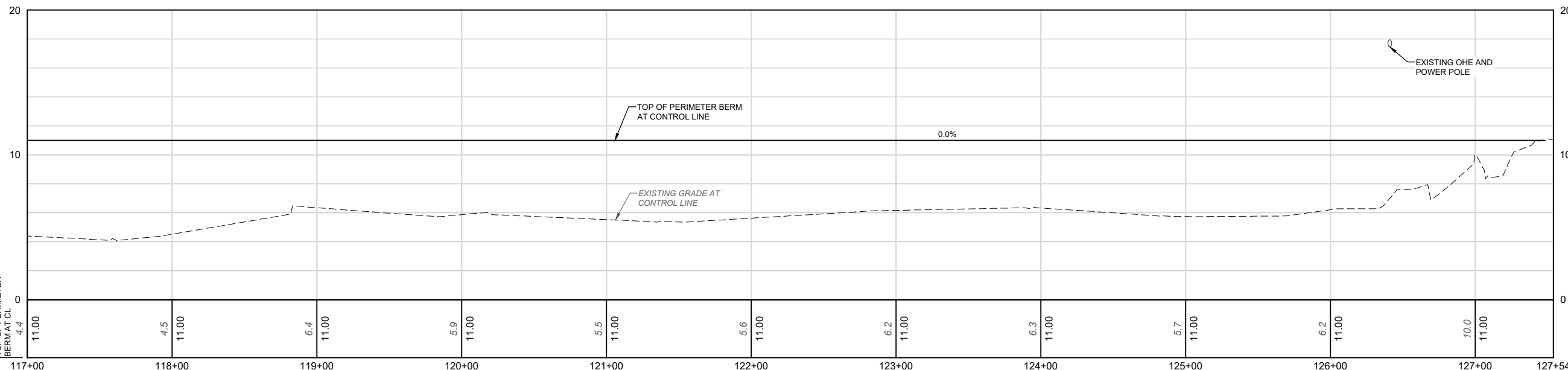
**BERM PLAN AND PROFILE  
STA 106+50 TO 117+00**

FILENAME	C-110.dwg	SHEET	C-110
SCALE	AS SHOWN		





- CONSTRUCTION NOTES:**
- SEE SHEET G-007 FOR PERIMETER BERM CONTROL LINE AND CURVE TABLES.
  - SEE SHEET G-010 FOR CONSTRUCTION LIMIT LINE AND TABLE.
  - SHEETS C-100 TO C-111 SHOW LINWORK FOR PERIMETER BERM CONSTRUCTION ONLY. INTERIOR CHANNEL GRADING IS SHOWN ON SHEETS C-112 TO C-115.
  - SR84 IMPROVEMENTS. SEE "CACHE SLOUGH MITIGATION BANK WATER CROSSING STRUCTURE ON STATE ROUTE 84, SOLANO COUNTY, CALIFORNIA".



**65% SUBMITTAL  
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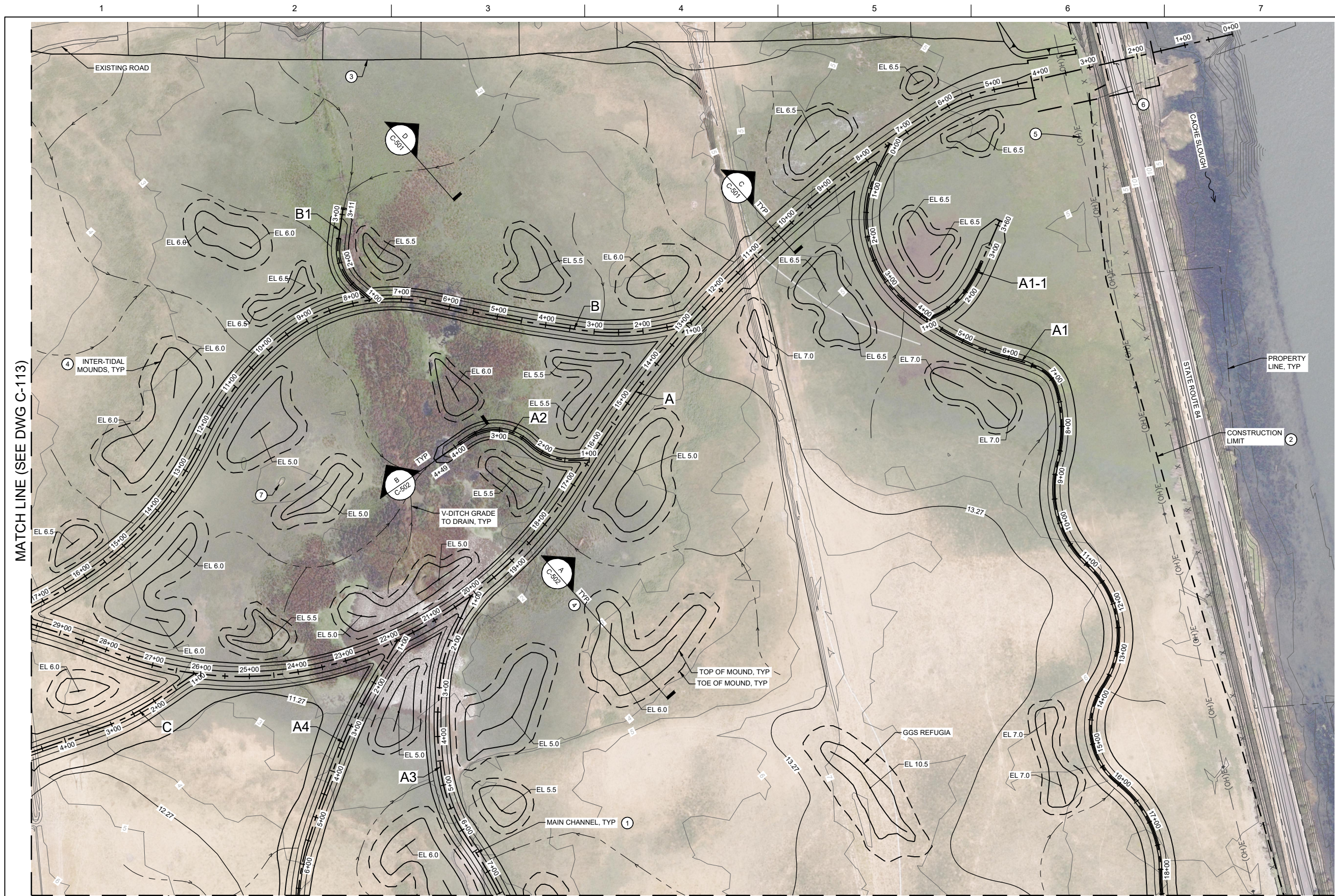
PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

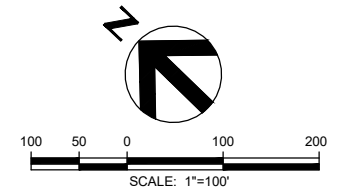
**BERM PLAN AND PROFILE  
STA 117+00 TO 127+54**

FILENAME	C-111.dwg	SHEET	C-111
SCALE	AS SHOWN		





- CONSTRUCTION NOTES:**
- SEE SHEET G-008 AND G-009 FOR CHANNEL ALIGNMENT PLAN LINE AND CURVE TABLES.
  - SEE SHEET G-010 FOR CONSTRUCTION LIMIT AND LINE TABLE.
  - SHEETS SHOW LINEWORK FOR INTERIOR GRADING ONLY. HABITAT BERM LINEWORK IS SHOWN ON SHEETS C-101 TO C-111.
  - INTER-TIDAL MOUNDS CONSTRUCTED OF CHANNEL EXCAVATION SPOILS. GENERAL CONFIGURATION OF INTER-TIDAL MOUNDS ARE SHOWN. SEE C-502 DETAIL A.
  - OHE AND POWER POLES TO REMAIN.
  - SR84 IMPROVEMENTS. SEE "CACHE SLOUGH MITIGATION BANK WATER CROSSING STRUCTURE ON STATE ROUTE 84, SOLANO COUNTY, CALIFORNIA". SCOPE OF CHANNEL WORK TO END AT STA 3+43.
  - EXISTING DEBRIS TO BE REMOVED.



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NOT FOR CONSTRUCTION**

MATCH LINE (SEE DWG C-113)

MATCH LINE (SEE DWG C-114)

MATCH LINE (SEE DWG C-115)



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
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**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

**INTERIOR GRADING PLAN (1 OF 4)**

FILENAME	C-112.dwg	SHEET	
SCALE	AS SHOWN		
			C-112

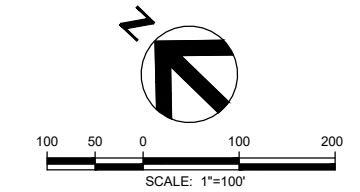


- CONSTRUCTION NOTES:**
- SEE SHEET G-008 AND G-009 FOR CHANNEL ALIGNMENT PLAN LINE AND CURVE TABLES.
  - SEE SHEET G-010 FOR CONSTRUCTION LIMIT AND LINE TABLE.
  - SHEETS SHOW LINEWORK FOR INTERIOR GRADING ONLY. HABITAT BERM LINEWORK IS SHOWN ON SHEETS C-101 TO C-111.
  - INTER-TIDAL MOUNDS CONSTRUCTED OF CHANNEL EXCAVATION SPOILS. GENERAL CONFIGURATION OF INTER-TIDAL MOUNDS ARE SHOWN. SEE C-502 DETAIL A.
  - OHE AND POWER POLES TO REMAIN.
  - ABOVE GROUND GAS WELL APPURTENANCES TO BE PROTECTED IN PLACE.



MATCH LINE (SEE DWG C-112)

MATCH LINE (SEE DWG C-114)



**65% SUBMITTAL  
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ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

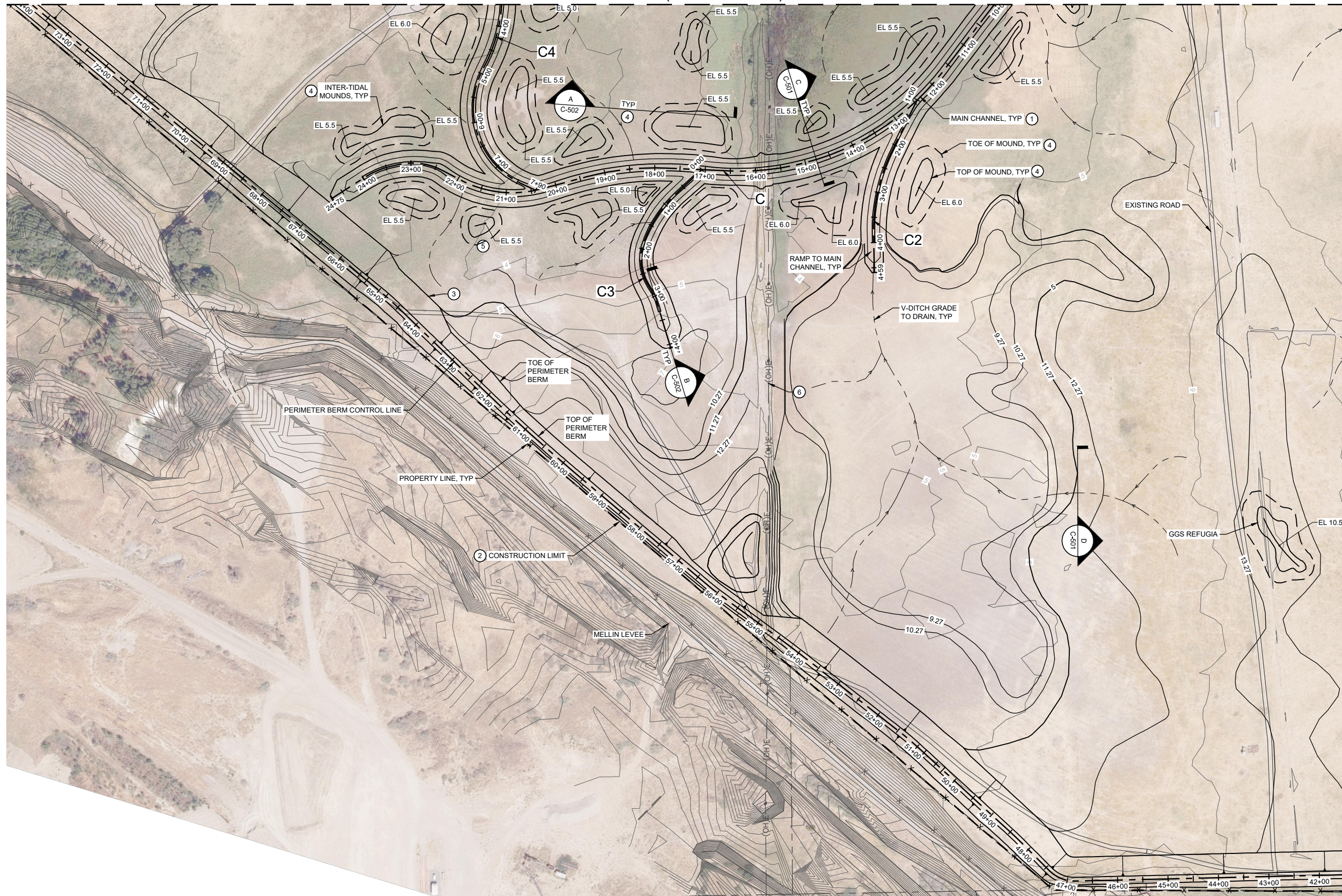
**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

**INTERIOR GRADING PLAN (2 OF 4)**

FILENAME	C-113.dwg	SHEET	C-113
SCALE	AS SHOWN		



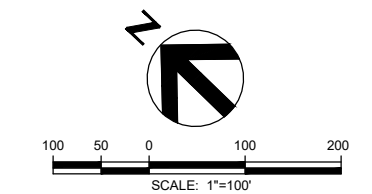
MATCH LINE (SEE DWG C-113)



**CONSTRUCTION NOTES:**

- ① SEE SHEET G-008 AND G-009 FOR CHANNEL ALIGNMENT PLAN LINE AND CURVE TABLES.
- ② SEE SHEET G-010 FOR CONSTRUCTION LIMIT AND LINE TABLE.
- ③ SHEETS SHOW LINEWORK FOR INTERIOR GRADING ONLY. HABITAT BERM LINEWORK IS SHOWN ON SHEETS C-101 TO C-111.
- ④ INTER-TIDAL MOUNDS CONSTRUCTED OF CHANNEL EXCAVATION SPOILS. GENERAL CONFIGURATION OF INTER-TIDAL MOUNDS ARE SHOWN. SEE C-502 DETAIL A.
- ⑤ RAMP TO MAIN CHANNEL SEE TYPICAL DETAIL B ON C-502.
- ⑥ OHE AND POWER POLES TO REMAIN.

MATCH LINE (SEE DWG C-115)



**65% SUBMITTAL  
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ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
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CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

**INTERIOR GRADING PLAN (3 OF 4)**

FILENAME | C-114.dwg  
SCALE | AS SHOWN

SHEET  
C-114

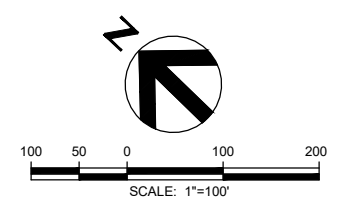


MATCH LINE (SEE DWG C-112)



- CONSTRUCTION NOTES:**
- 1 SEE SHEET G-008 AND G-009 FOR CANAL ALIGNMENT PLAN LINE AND CURVE TABLES.
  - 2 SEE SHEET G-010 FOR CONSTRUCTION LIMIT AND LINE TABLE.
  - 3 SHEETS SHOW LINEWORK FOR INTERIOR GRADING ONLY. HABITAT BERM LINEWORK IS SHOWN ON SHEETS C-101 TO C-111.
  - 4 INTER-TIDAL MOUNDS CONSTRUCTED OF CHANNEL EXCAVATION SPOILS. GENERAL CONFIGURATION OF INTER-TIDAL MOUNDS ARE SHOWN. SEE C-502 DETAIL A.
  - 5 RAMP TO MAIN CHANNEL SEE TYPICAL DETAIL B ON C-502.
  - 6 OHE AND POWER POLES TO REMAIN.

MATCH LINE (SEE DWG C-114)



**65% SUBMITTAL  
NOT FOR CONSTRUCTION**



ISSUE	DATE	DESCRIPTION

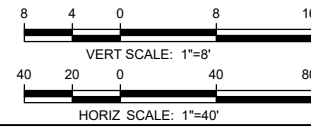
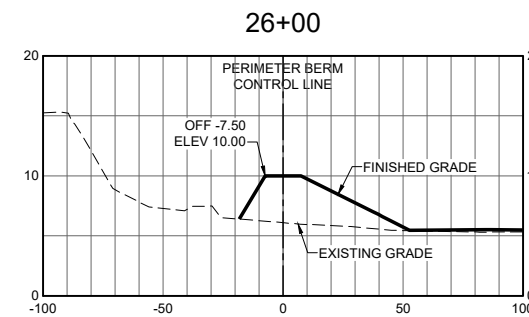
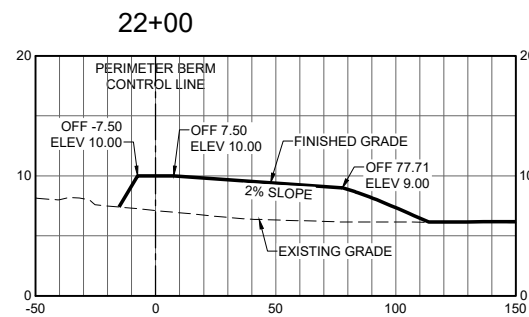
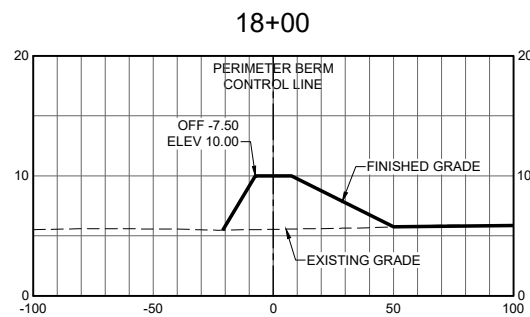
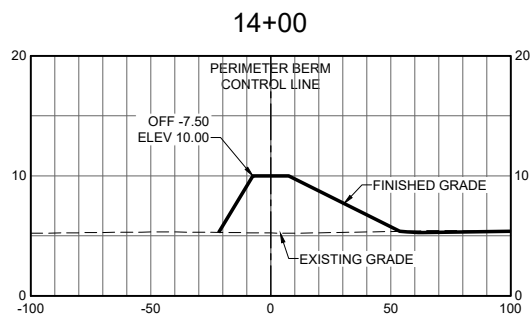
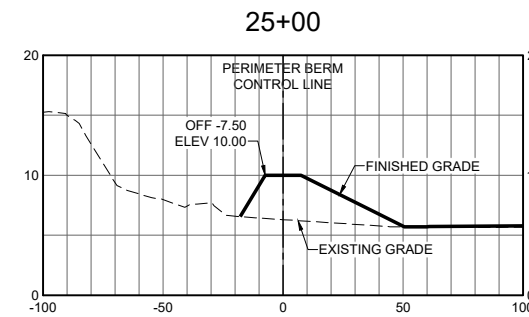
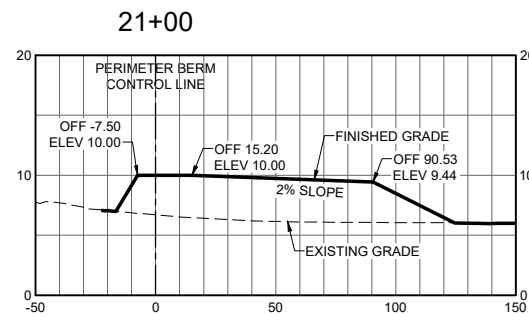
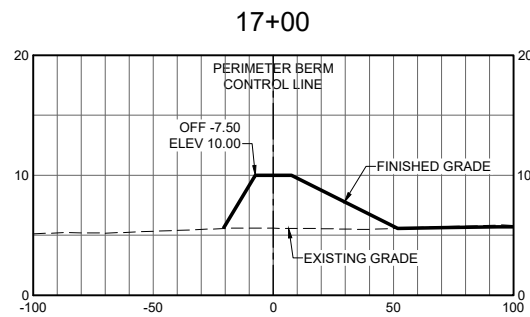
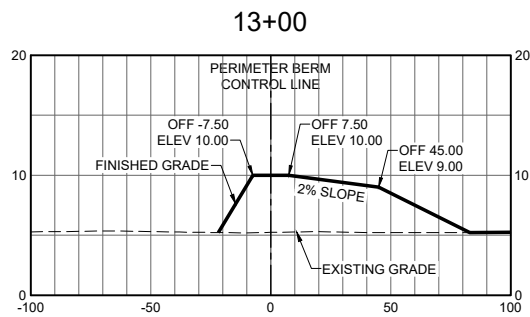
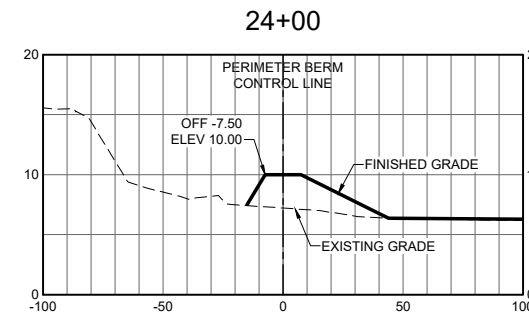
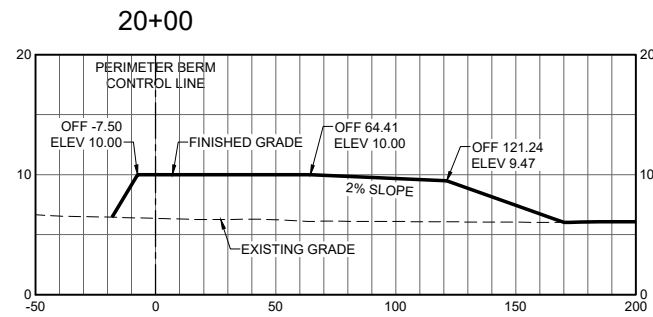
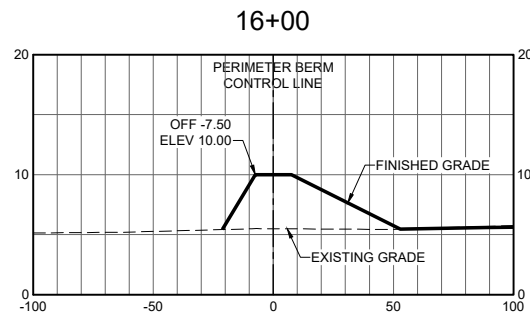
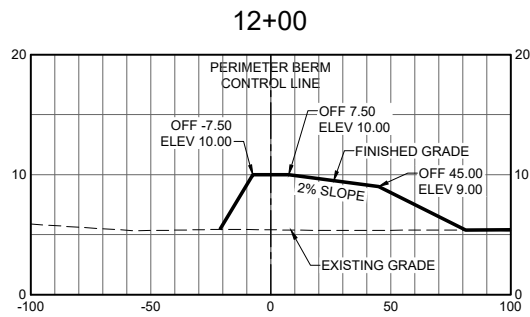
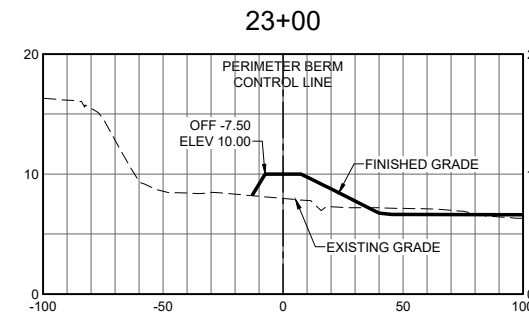
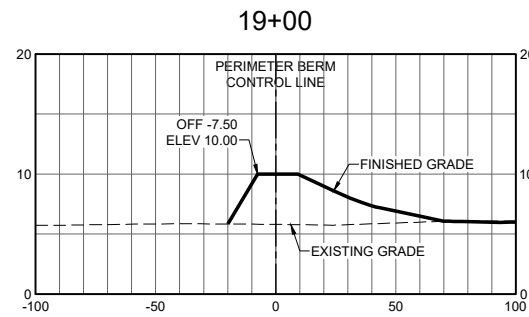
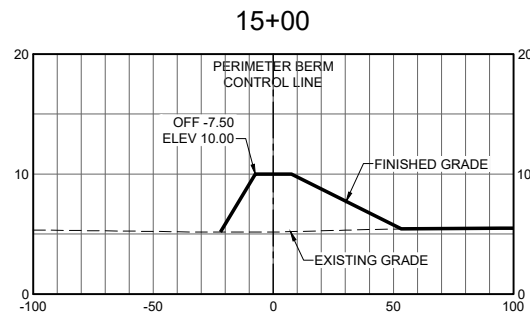
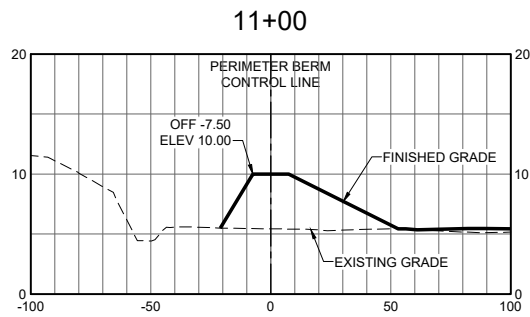
PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

**INTERIOR GRADING PLAN (4 OF 4)**

FILENAME	C-115.dwg	SHEET	C-115
SCALE	AS SHOWN		





65% SUBMITTAL  
NOT FOR CONSTRUCTION



ISSUE	DATE	DESCRIPTION

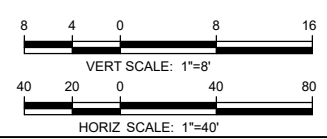
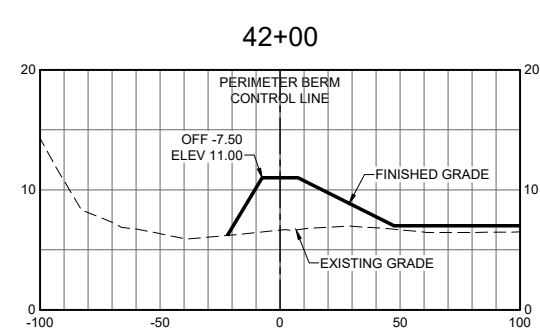
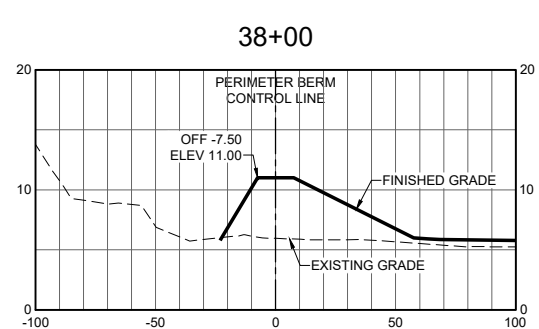
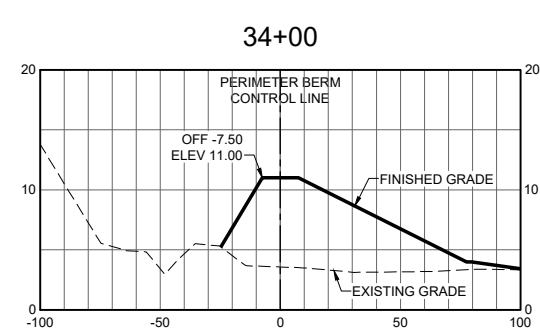
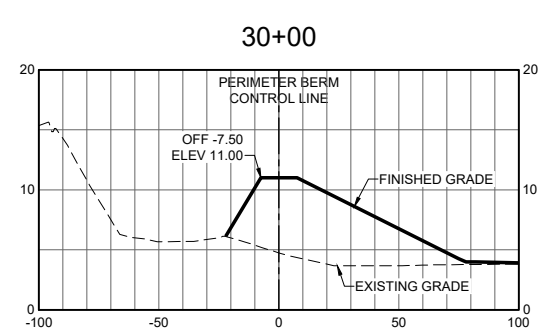
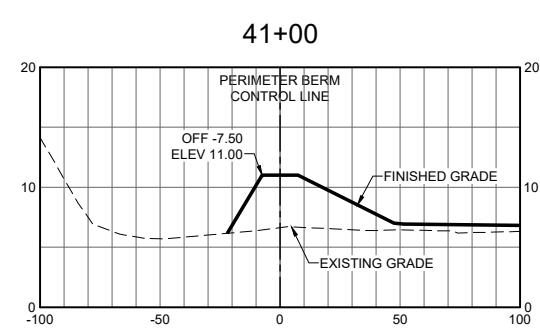
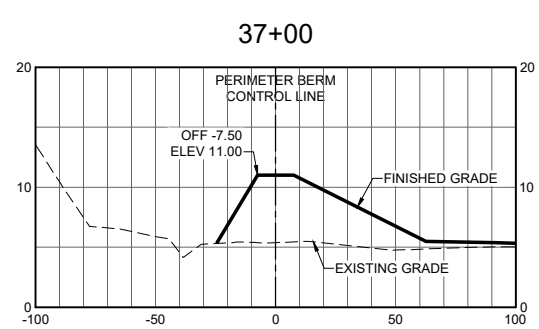
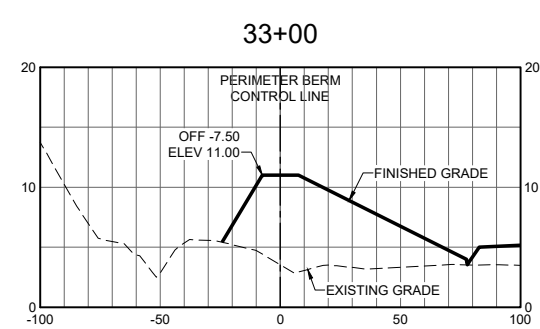
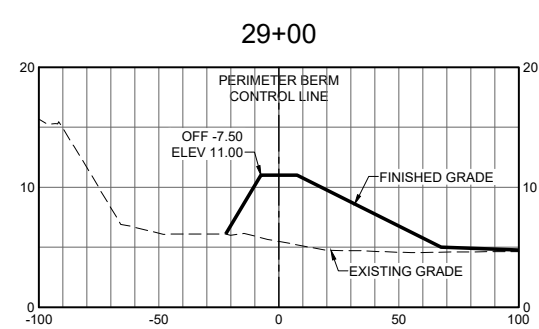
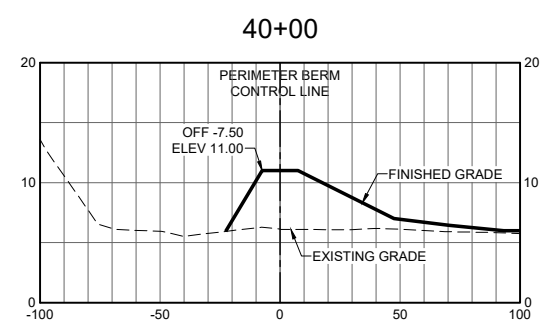
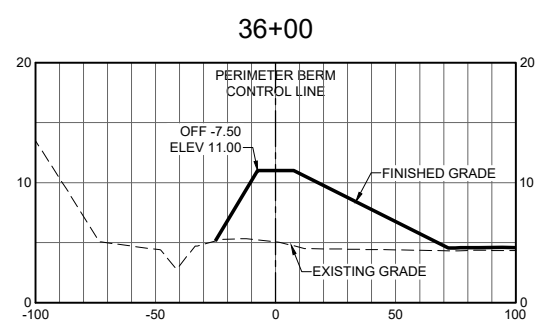
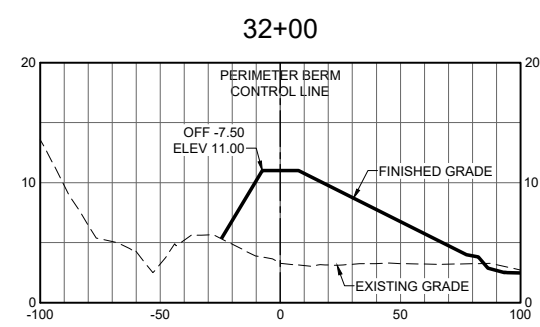
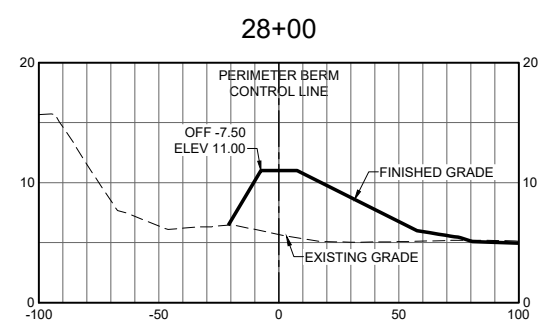
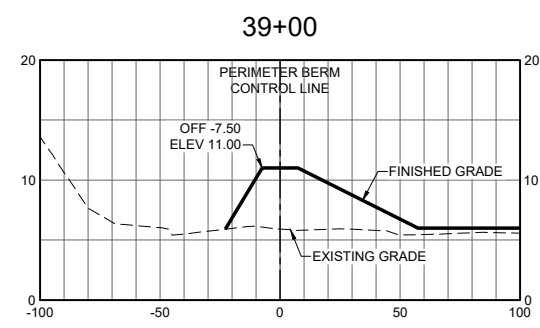
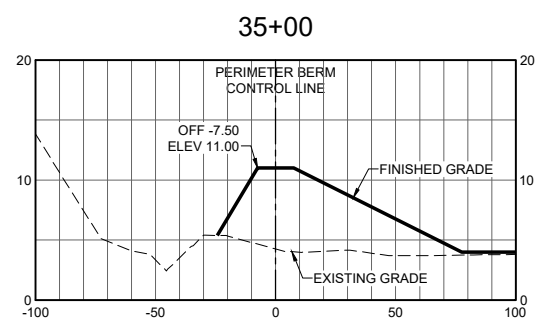
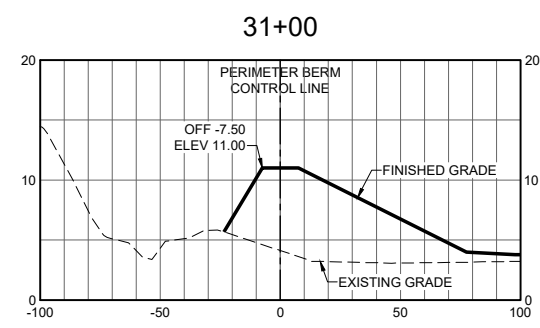
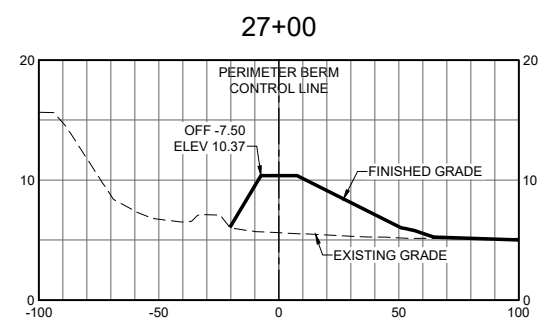
PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA

DETAILED SECTIONS 1

FILENAME	C-300.dwg	SHEET
SCALE	AS SHOWN	C-300





65% SUBMITTAL  
NOT FOR CONSTRUCTION



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
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TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
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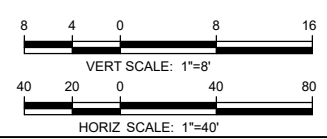
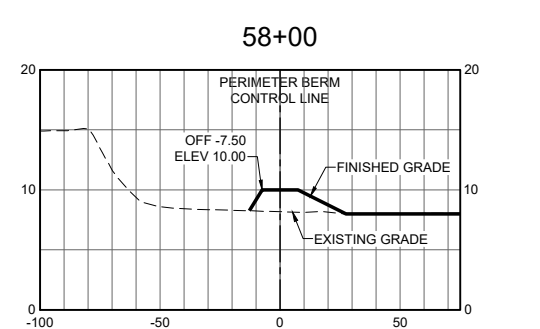
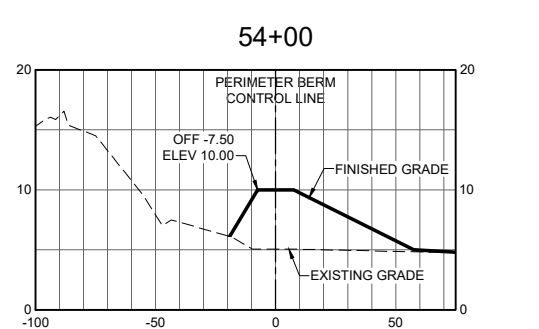
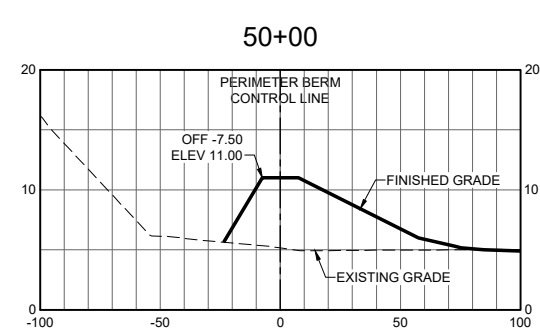
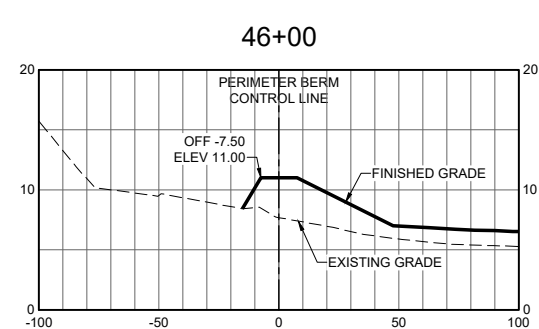
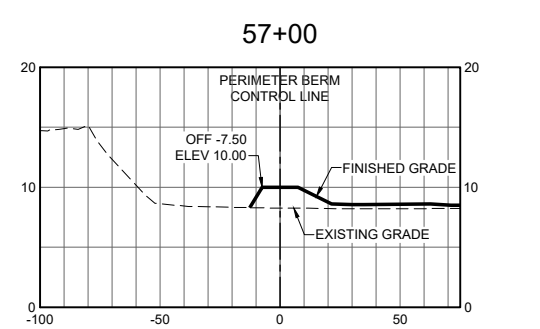
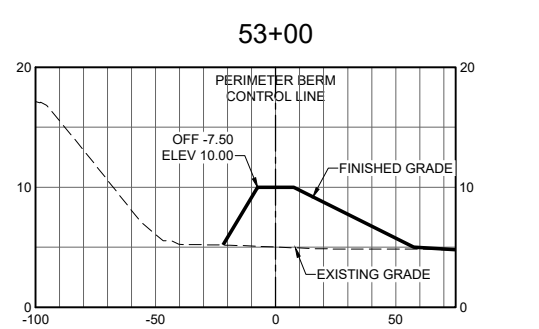
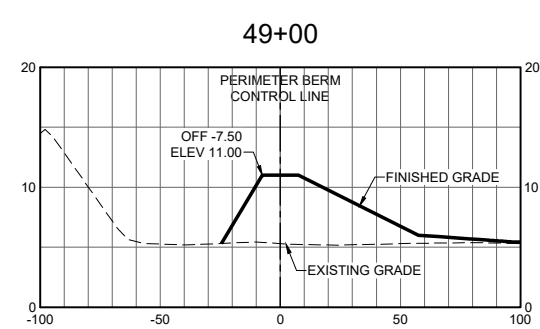
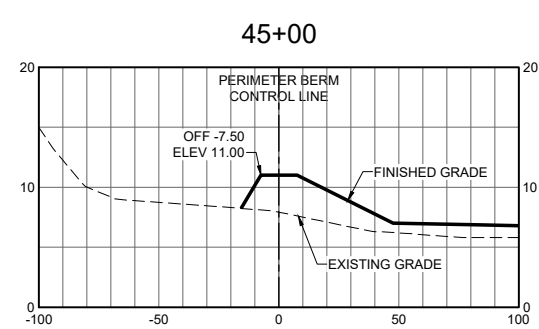
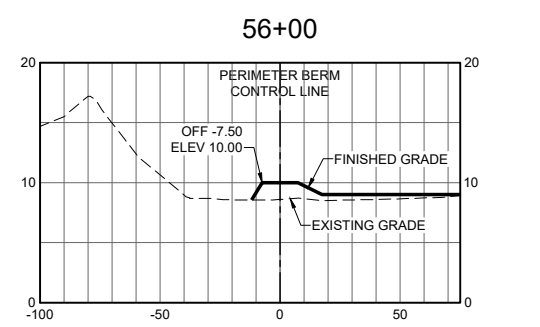
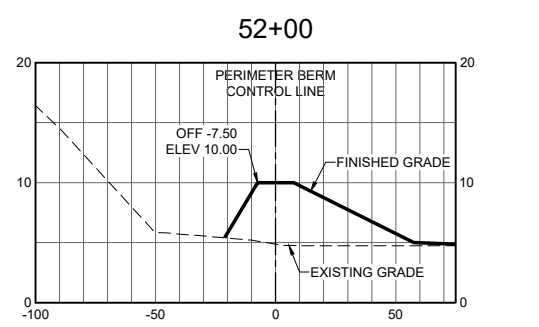
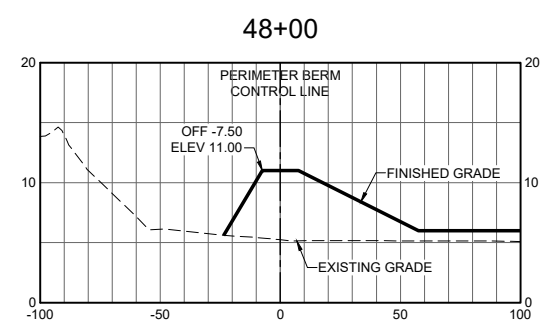
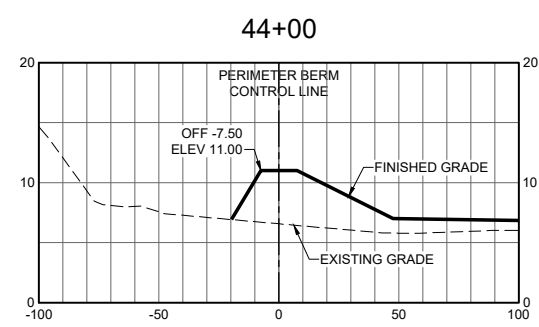
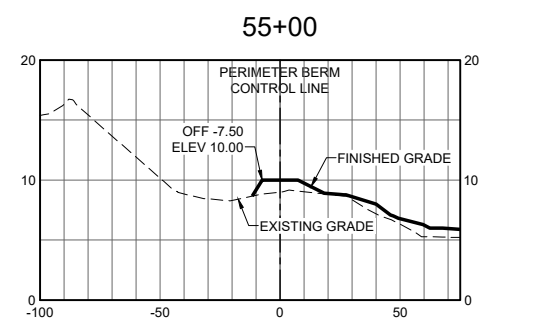
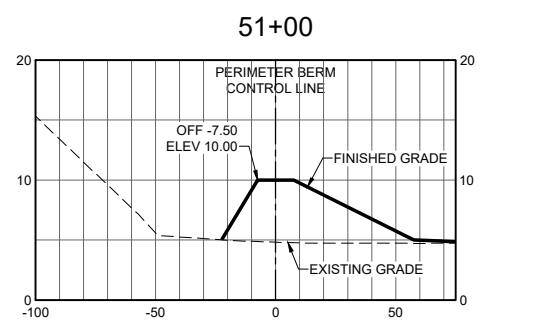
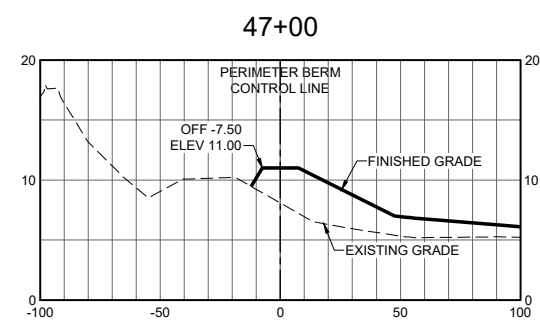
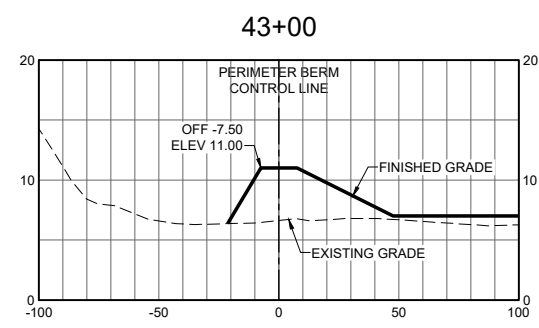
CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA

DETAILED SECTIONS 2

FILENAME C-301.dwg  
SCALE AS SHOWN

SHEET  
C-301





65% SUBMITTAL  
NOT FOR CONSTRUCTION



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

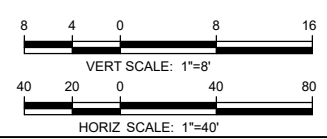
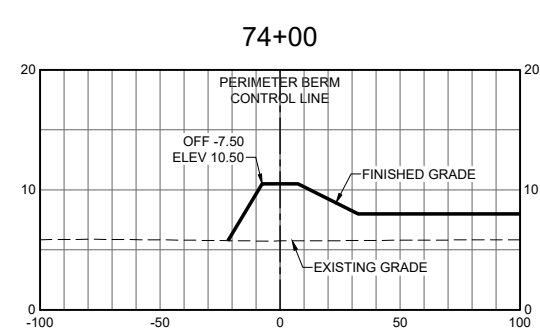
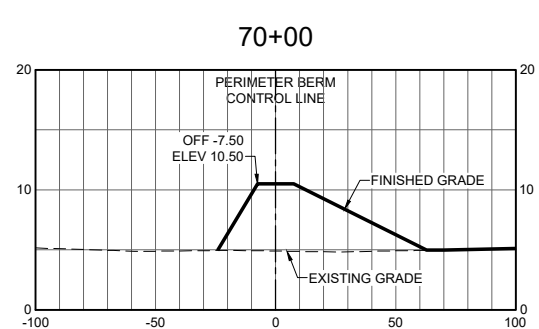
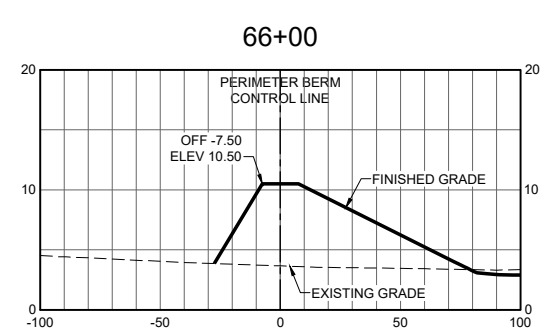
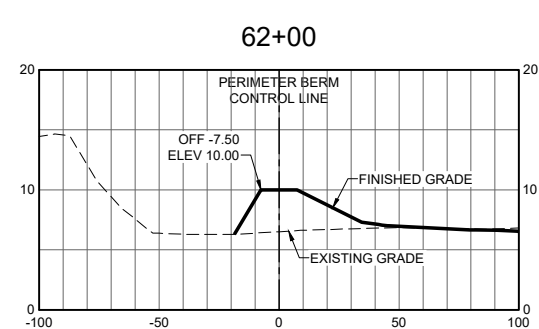
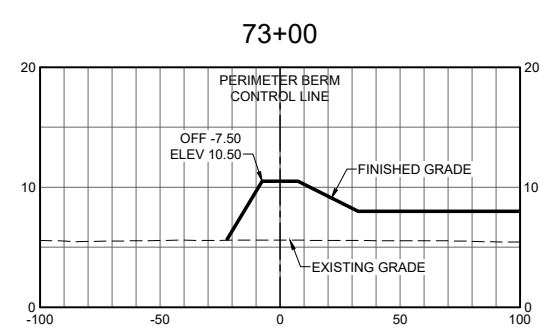
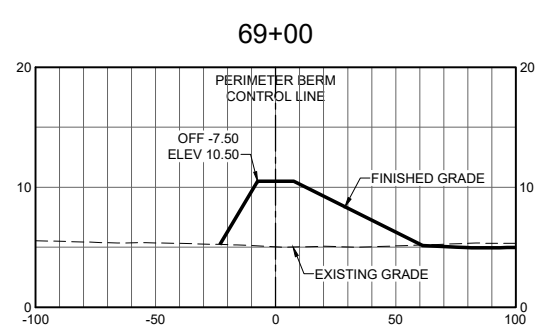
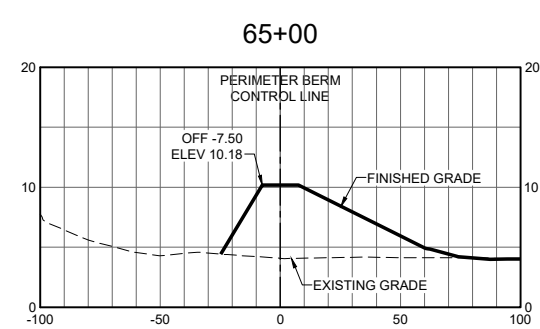
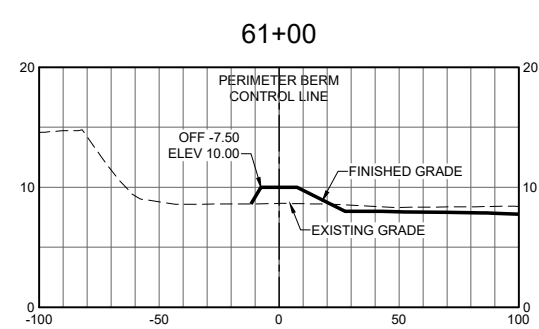
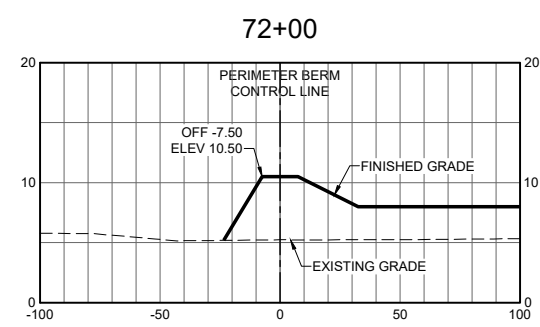
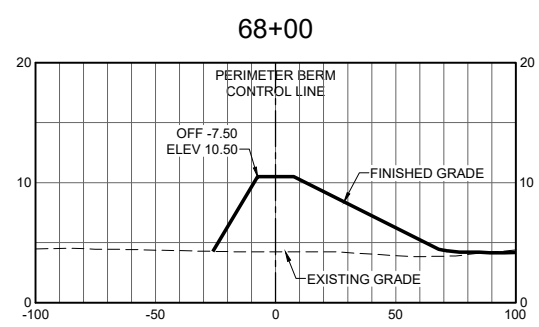
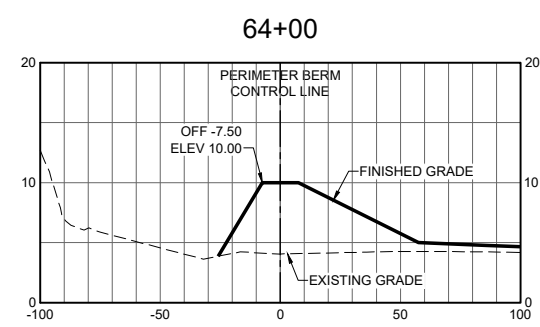
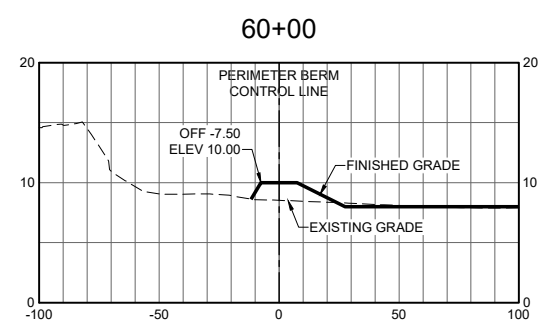
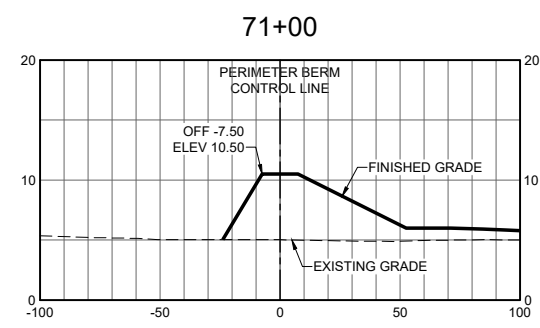
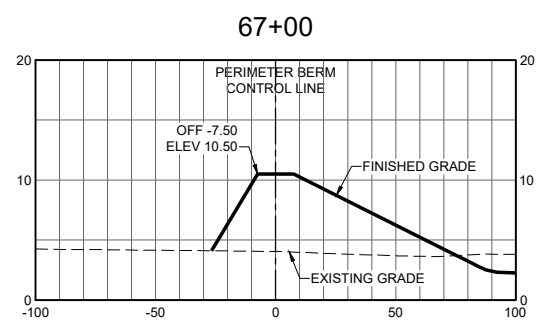
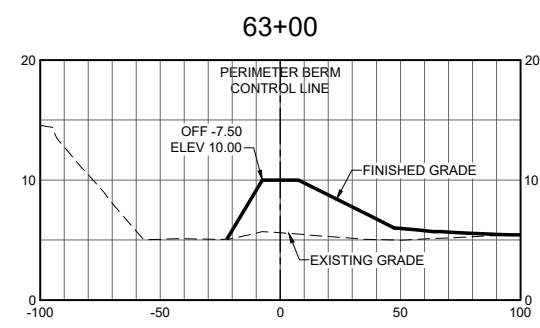
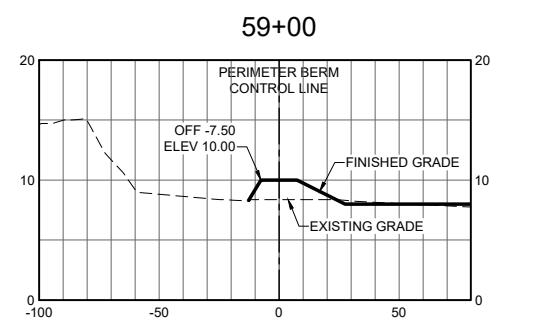
CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA

DETAILED SECTIONS 3

FILENAME C-302.dwg  
SCALE AS SHOWN

SHEET  
C-302





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ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

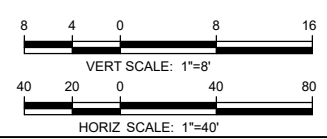
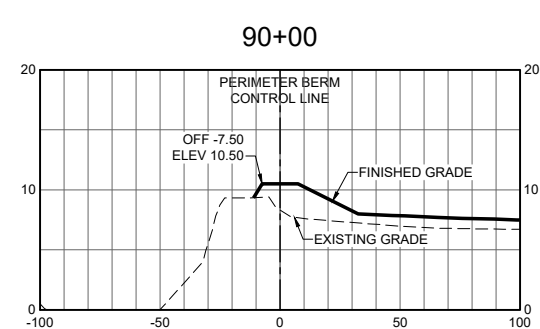
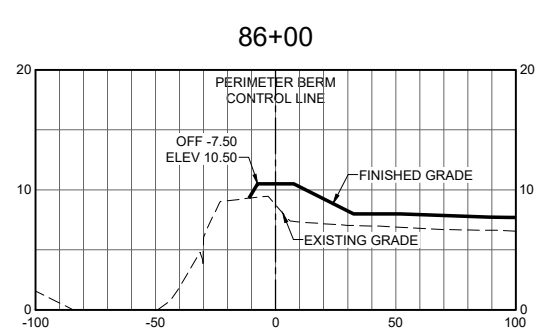
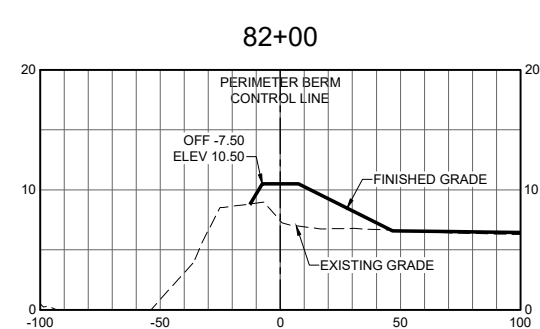
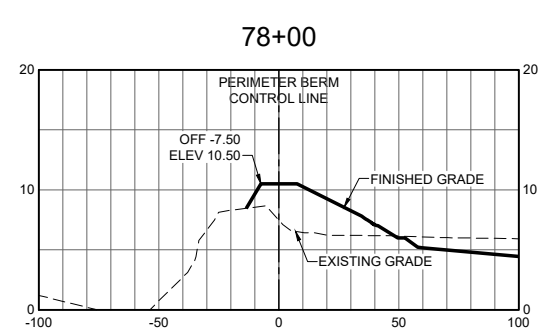
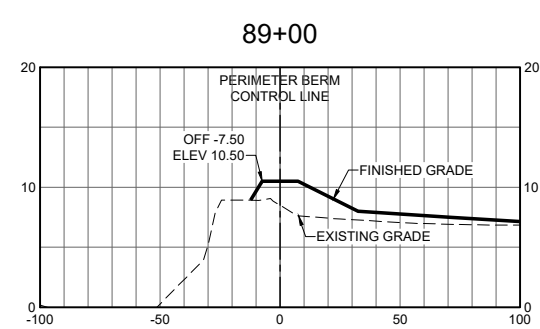
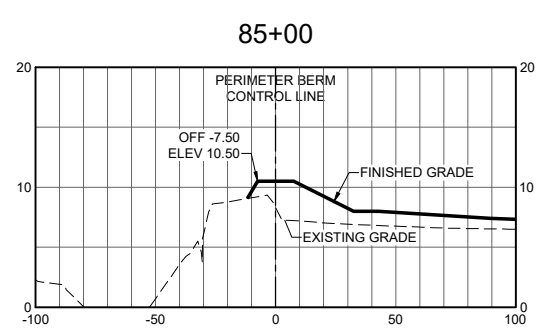
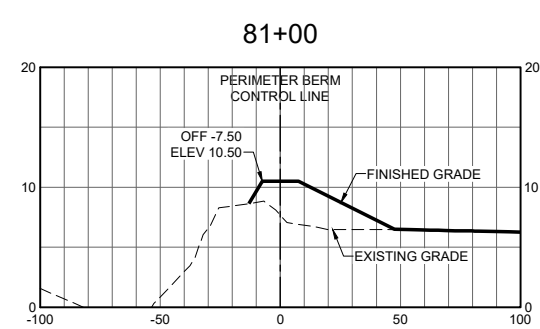
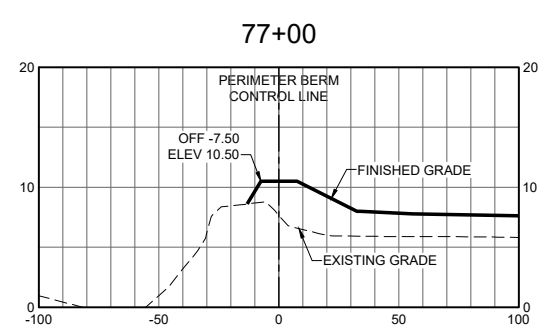
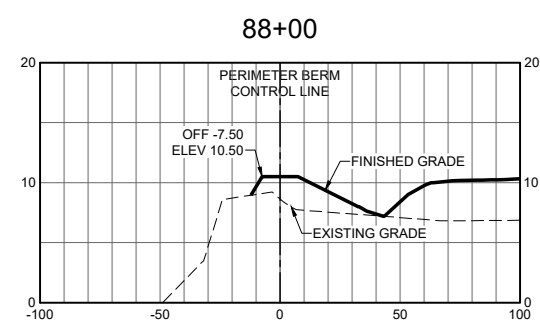
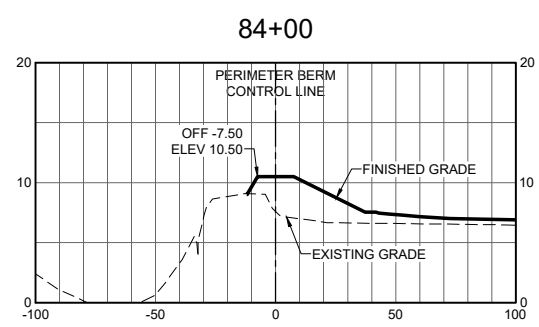
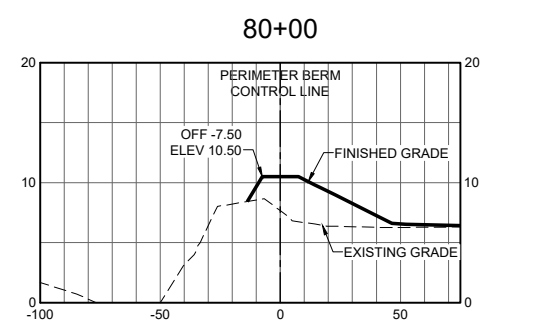
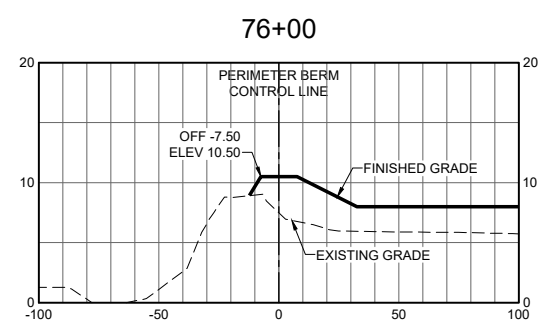
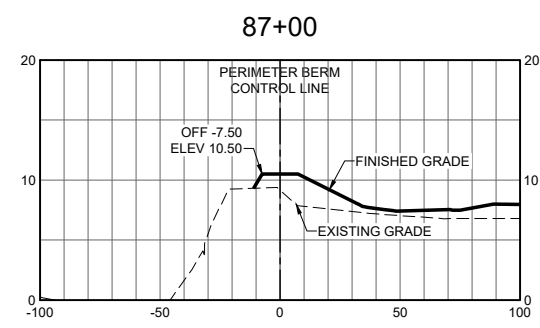
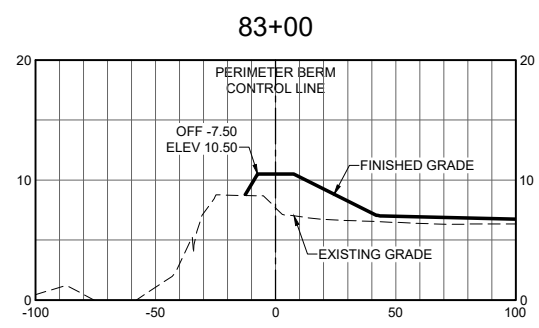
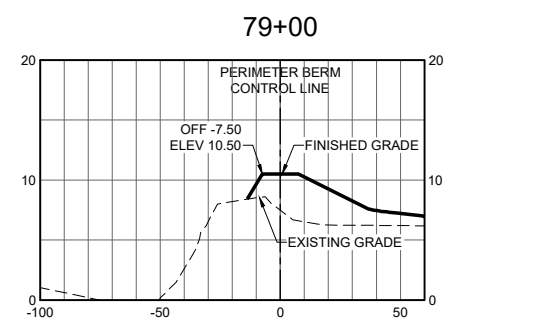
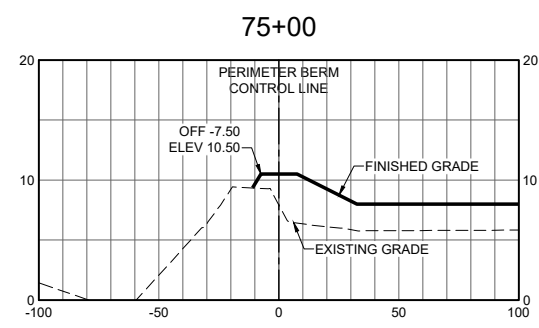
CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA

DETAILED SECTIONS 4

FILENAME C-303.dwg  
SCALE AS SHOWN

SHEET  
C-303





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NOT FOR CONSTRUCTION



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

**DETAILED SECTIONS 5**

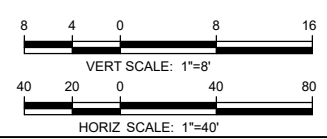
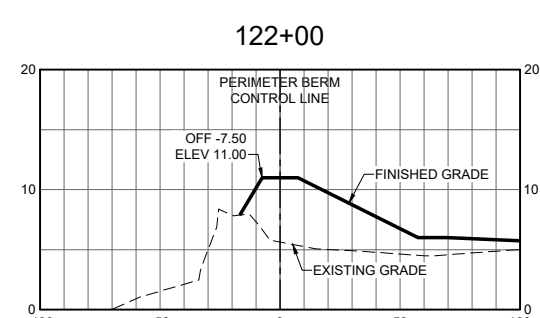
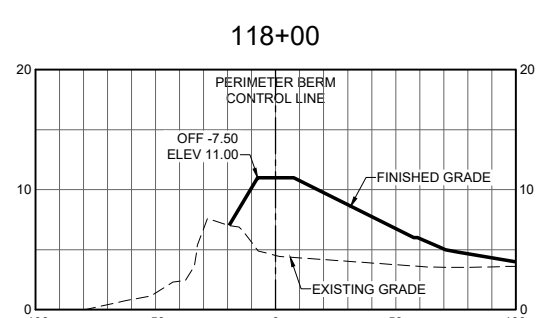
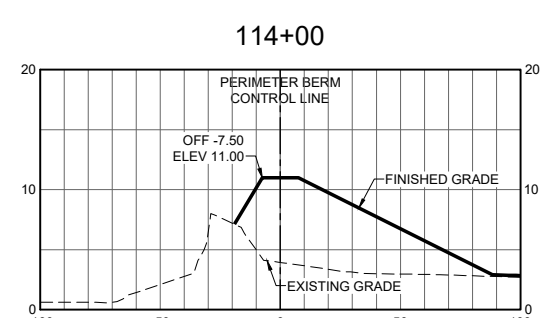
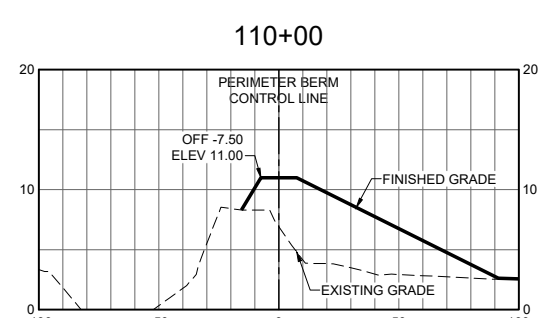
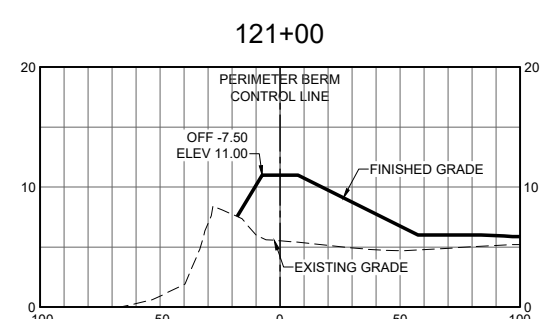
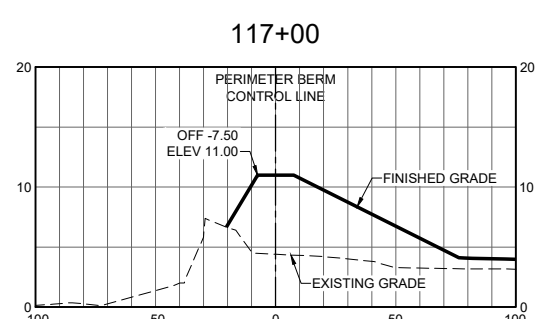
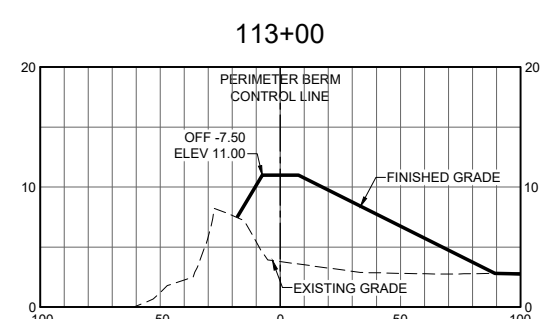
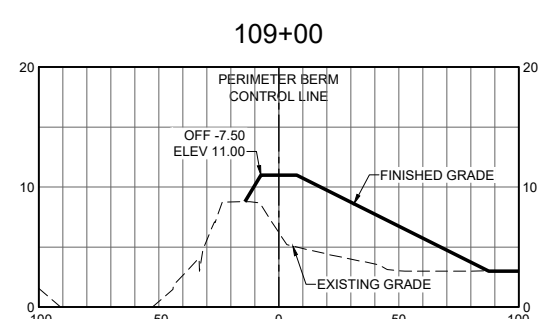
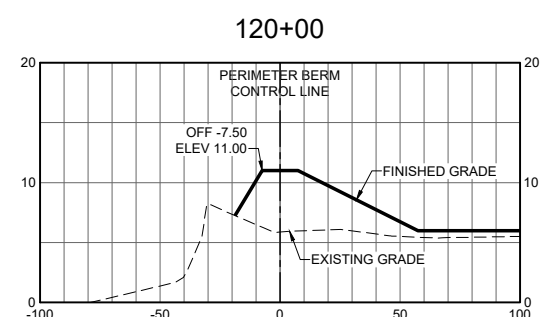
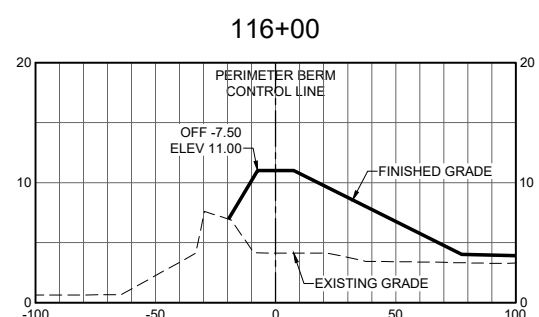
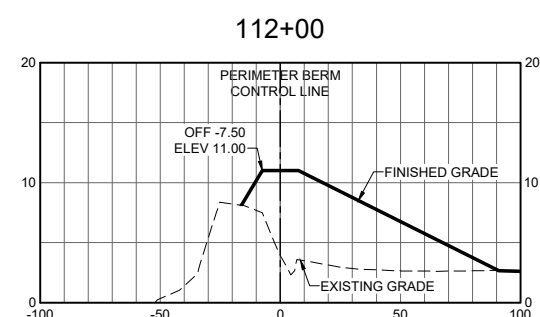
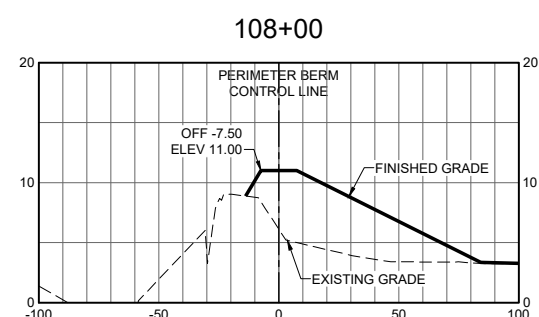
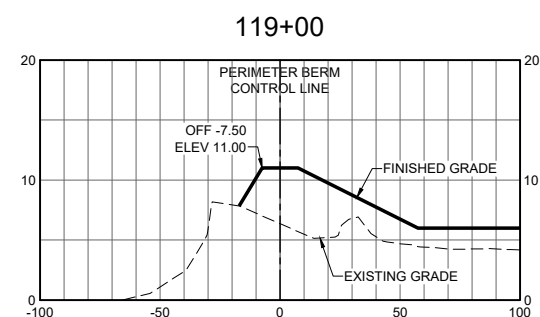
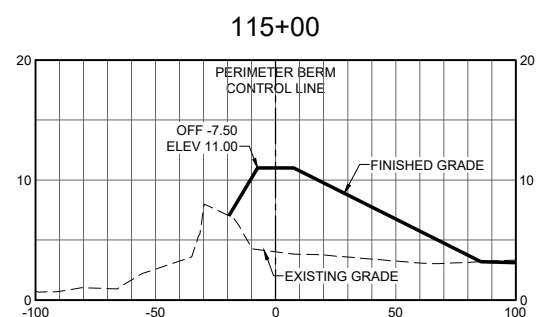
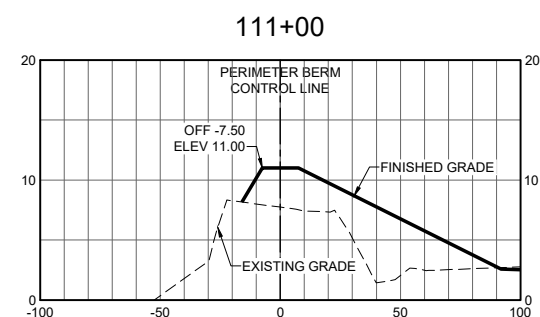
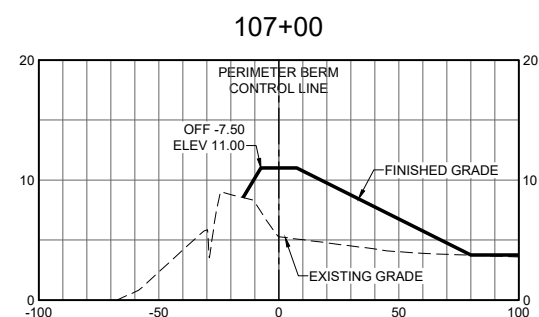
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SCALE | AS SHOWN

SHEET  
C-304









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ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

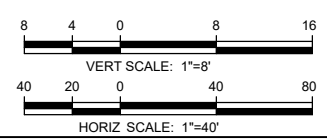
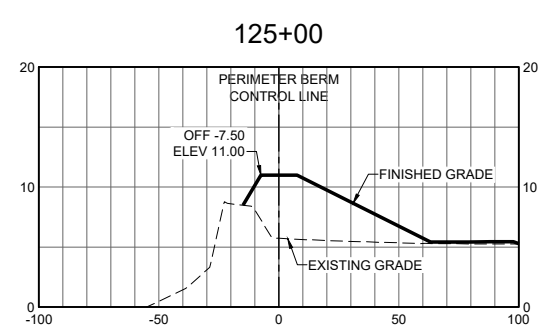
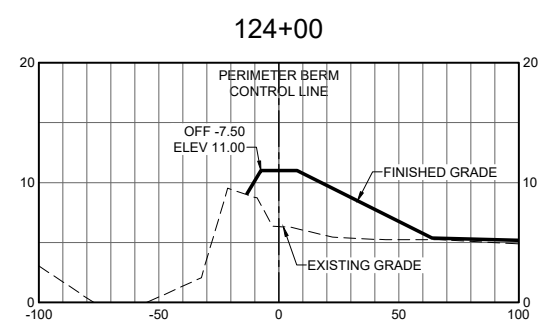
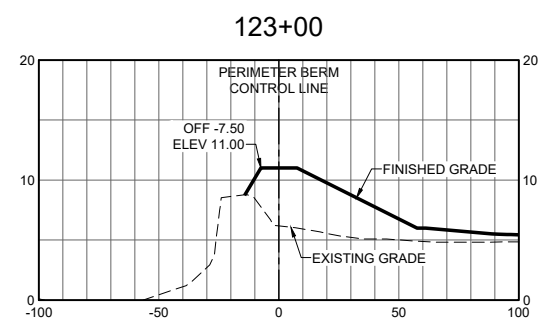
**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

**DETAILED SECTIONS 7**

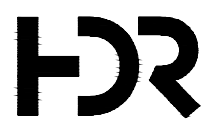
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SHEET  
C-306





**65% SUBMITTAL  
NOT FOR CONSTRUCTION**



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

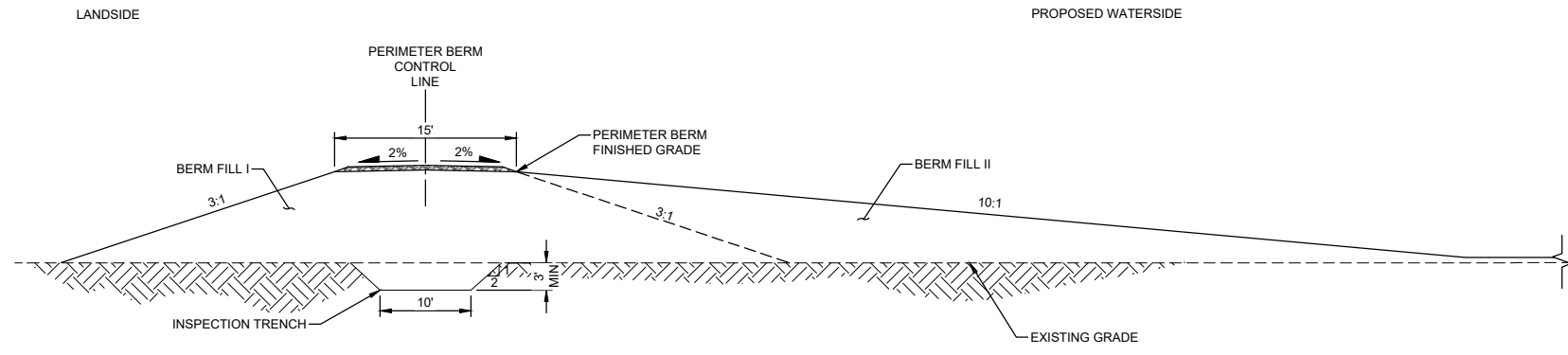
**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

**DETAILED SECTIONS 8**

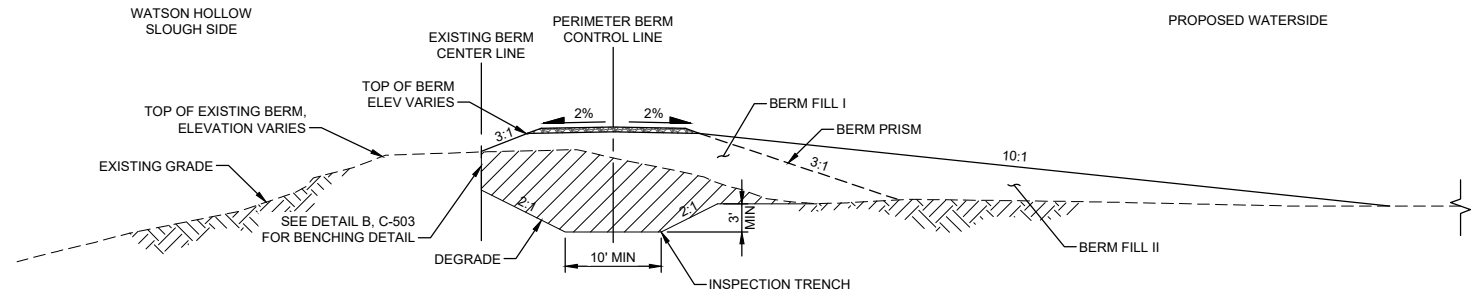
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**C-307**





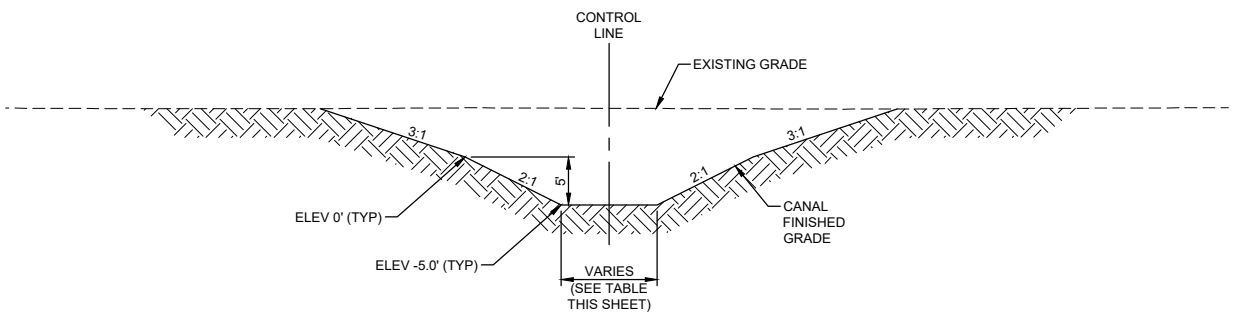
**A** TYPICAL PERIMETER BERM SECTION  
NTS STA 10+00 TO STA 74+75



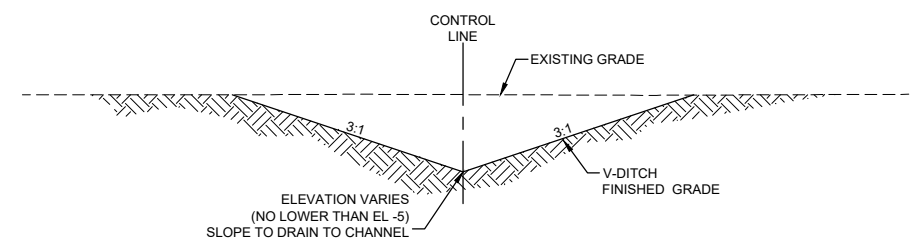
**B** TYPICAL PERIMETER BERM SECTION  
NTS STA 74+75 TO STA 127+50

- NOTES:**
- EXCAVATE INSPECTION TRENCH TO A MINIMUM 3 FEET BELOW EXISTING GRADE.
  - SCARIFY AND RECOMPACT TO 90% D698 THE UPPER 18-INCHES OF EXISTING SOIL WITHIN BERM FOOT PRINT.

CHANNEL ALIGNMENTS AND WIDTH		
ALIGNMENT NAME	STATION	BOTTOM WIDTH (FT)
A	2+00 TO 34+05	20
A	34+05 TO 34+50	TRANSITION
A	34+50 TO 51+15	7
A1	1+60 TO 6+34	7
A1	6+34 TO 6+60	TRANSITION
A1	6+60 TO 22+20	5
A1-1	1+05 TO 2+60	5
A2	1+20 TO 3+79	7
A3	1+55 TO 12+45	14
A3	12+45 TO 13+28	TRANSITION
A3	13+28 TO 24+97	7
A3-1	1+20 TO 5+27	5
A3-2	1+16 TO 5+32	5
A4	1+44 TO 3+81	14
A4	3+81 TO 6+02	TRANSITION
A4	6+02 TO 13+08	7
A5	1+28 TO 5+68	7
A6	1+24 TO 2+18	5
B	1+32 TO 17+19	14
B-1	1+10 TO 2+41	7
C	1+42 TO 22+36	14
C	22+36 TO 22+73	TRANSITION
C	22+73 TO 24+03	7
C1	1+16 TO 1+57	9 TO 7 TRANSITION
C1	1+57 TO 3+36	7
C2	1+37 TO 3+89	5
C3	1+17 TO 3+22	5
C4	0+37 TO 7+29	7



**C** TYPICAL CHANNEL SECTION  
NTS



**D** TYPICAL V-DITCH SECTION  
NTS

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PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

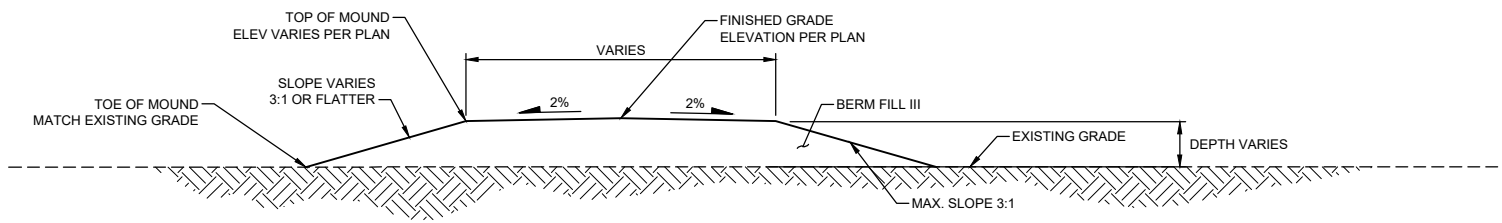
**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

TYPICAL SECTIONS 1

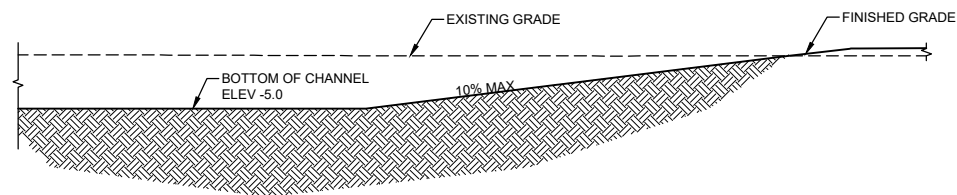
FILENAME | C-501.dwg  
SCALE | AS SHOWN

SHEET  
C-501





**A** TYPICAL INTER-TIDAL MOUND  
NTS



**B** TYPICAL CHANNEL END SECTION  
NTS

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PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
CHECKED BY	M. SALMON
TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
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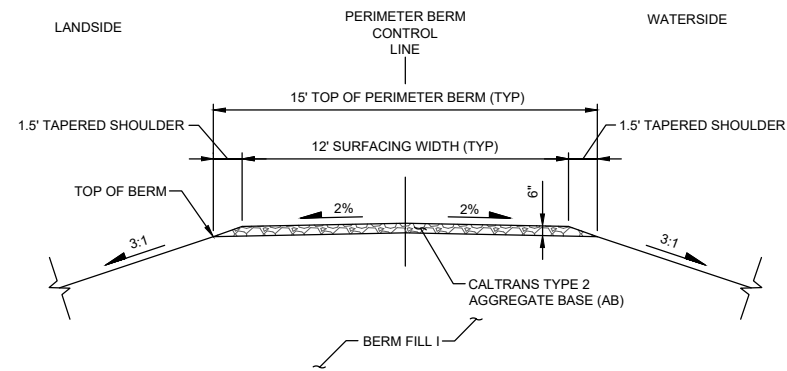
**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

TYPICAL SECTIONS 2

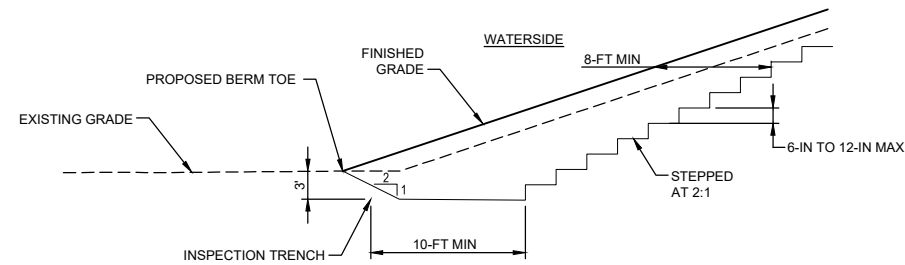
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SCALE | AS SHOWN

SHEET  
C-502





**A** TYPICAL BERM ROAD SECTION  
NTS



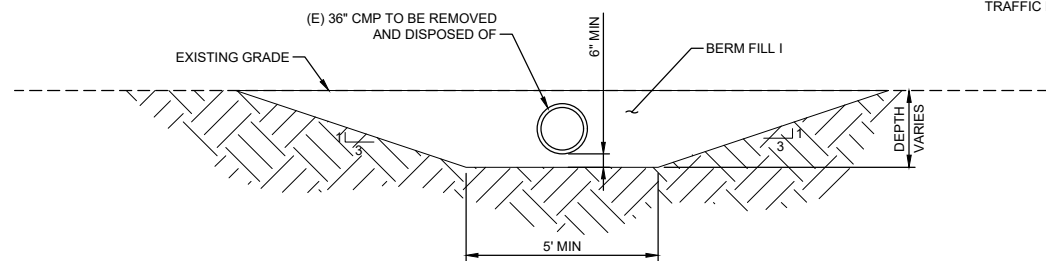
**TYPICAL KEY & BENCHING NOTES:**

1. PLACE FILL IN HORIZONTAL LIFTS AGAINST VERTICAL FACES CUT INTO EXISTING EMBANKMENT MATERIAL.
2. THE BOTTOM OF THE INSPECTION TRENCH MUST BE SCARIFIED TO A DEPTH OF 8 INCHES AND RECOMPACTED TO 95% MAXIMUM DENSITY PER ASTM D698.
3. THE INSPECTION TRENCH MUST BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF FILL.
4. WHERE EMBANKMENT FILL IS GREATER THAN 10' IN WIDTH, FOUNDATION KEY MUST EXTEND FROM THE TOE OF THE NEW TO THE TOE OF THE EXISTING. IN NO CASE WILL THE FOUNDATION KEY WIDTH BE LESS THAN 10'.

**B** FILL KEY AND BENCHING DETAIL  
NTS

**NOTES:**

1. THE REMOVAL OF THE 36" CMP SHOULD EXTEND AT LEAST 15 FEET BEYOND THE BERM TOE.
2. CONTRACTOR SHALL PLACE BACKFILL MATERIAL IN LIFTS OF 8-INCHES OR LESS, AND COMPACT EACH LIFT TO AT LEAST 90% (D1557 OR D698) RELATIVE COMPACTION BEFORE PLACING THE NEXT LIFT.
3. IN AREAS WHERE TRAFFIC IS ANTICIPATED, INCLUDING THE BERM CREST AND RAMPS, THE UPPER 6-INCHES OF SUBGRADE SHOULD BE COMPACTED TO AT LEAST 95% RELATIVE COMPACTION AND ROLLED TO PROVIDE A SMOOTH, FIRM-YIELDING SURFACE. SUBGRADE SOILD SHOULD BE PROOF-ROLLED PRIOR TO PLACING AGGREGATE BASE IN AREAS WHERE TRAFFIC IS ANTICIPATED, CONSTRUCT FILL AND SURFACING PER DETAIL A.



**C** TYPICAL SECTION DETAIL OF EXISTING BURIED PIPE  
NTS

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ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. BENNETT
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TECHNICAL LEAD	D. TEAK
DATE	MAY 2024
PROJECT NUMBER	10364495

**CACHE SLOUGH MITIGATION BANK  
HABITAT RESTORATION AND EARTHWORK  
SOLANO COUNTY, CALIFORNIA**

CIVIL DETAILS

FILENAME | C-503.dwg  
SCALE | AS SHOWN

SHEET  
C-503