

ISSUE DATE DESCRIPTION

PROJECT MANAGER	D. JABBOUR
DESIGNED BY	T. CRANE
DRAWN BY	T. CRANE
CHECKED BY	H. QUAN
TECHNICAL LEAD	G. ARMSTRONG
DATE	MAY 29, 2024
PROJECT NUMBER	10364495



TITLE SHEET AND LOCATION MAP

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D

FILENAME 10364495ab001.dwg

SCALE AS NOTED

SHEET

T-1

1	2		3
LE	GEND	A	3BREVIAT
(0) = 0	PROPERTY LINE CALTRANS MAINTENANCE ACESS EASEMENT OVERHEAD ELECTRIC (PG&E) EXISTING FENCE EXISTING WATER EDGE CALTRANS EASEMENT SAWCUT EXISTING TOE OF SLOPE PROPOSED CUT PROPOSED FILL MDWEST GUARDRAIL SYSTEM	AB AC AITS BB BVCE BVCS CL Det E E B EL EB EL EP ETW EVCE EVCS FG HMA HORIZ. HP Lt LVC MGS MPH N	AGGREGATE BASEASPHALT CONCREALTERNATIVE IN-L SYSTEMBEGIN BRIDGEBEGIN VERTICAL CBEGIN VERTICAL CCENTERLINEDETAILEASTEND BRIDGEELEVATIONEDGE OF PAVEMEEDGE OF TRAVEL VEND VERTICAL CUFINISHED GRADEHOT MIX ASPHALTHORIZONTALHINGE POINTLEFTLENGTH OF VERTIMILES PER HOURNORTHORICINAL CORADE
		OG	URIGINAL GRADE

65% NOT FOR CONSTRUCTION

FJS

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GENERAL NOTES

IATIONS

BASE
NCRETE
E IN-LINE TERMINAL
Ε
CAL CURVE ELEVATION
CAL CURVE STATION

VEMENT

AVEL WAY

AL CURVE ELEVATION

CAL CURVE STATION

PHALT

VERTICAL CURVE

UARDRAIL SYSTEM

HOUR

PT

PVI

R/W

Rdwy

SR

STA

STD

TR

VERT.

(OH) E

WHS

Rt

POINT

RIGHT

ROADWAY

STATION

STANDARD

VERTICAL

(PG&E)

STATE ROUTE

POINT OF VERTICAL INTERSECTION

RIGHT-OF-WAY

TRANSITION RAILING

Existing OVERHEAD ELECTRIC

WATSON HOLLOW SLOUGH

- 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFIC CONDITIONS AND TECHNICAL SPECIFICATIONS WHICH IS A SEPARATE DOCUMENT NOT INCLUDED IN THIS PLAN SET. ALL WORK SHALL ALSO BE PERFORMED IN ACCORDANCE WITH CALTRANS STANDARD PLANS AND SPECIFICATIONS (LATEST REVISION), INCLUDING ANY ADDENDA.
- 2. DRAWING BASE MAP IS BASED ON PARCEL INFORMATION PROVIDED BY THE COUNTY. PARCEL LINES ARE APPROXIMATE AND ARE FOR INFORMATION PURPOSES ONLY. 3. SPECIFIC NOTES AND DETAILS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- 4. THE CONTRACTOR SHALL NOTIFY SOLANO COUNTY BY PHONE (707) 784-6060 AT LEAST 2 WEEKS PRIOR TO COMMENCING CONSTRUCTION WORK AND PRIOR TO RESUMING WORK ON SITE AFTER AN EXTENDED SHUT DOWN (LONGER THAN ONE WEEK IN DURATION).
- 5. SOLANO COUNTY IS A MEMBER OF THE UNDERGROUND SERVICE ALERT (U.S.A) ONE CALL PROGRAM. ALL CONTRACTORS ON THIS PROJECT SHALL NOTIFY U.S.A. HOURS (2 WORKING DAYS) IN ADVANCE OF PERFORMING ANY EXCAVATION WORK OR DEMOLITION OF IMPROVEMENTS. THE TOLL FREE PHONE NUMBER IS 811.
- 6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY LOCATIONS, ELEVATIONS, ETC. OF EXISTING FACILITIES AND TO IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY FIELD CONFLICTS.
- 7. ALL MATERIALS AND WORKMANSHIP SHALL FULLY CONFORM WITH THE SPECIFICATIONS, STANDARDS, AND ORDINANCES OF THE CALTRANS STANDARD PLANS AND SPECIFICATIONS (LATEST REVISION).
- 8. CONTRACTOR SHALL MEET WITH CITY PRIOR TO START OF CONSTRUCTION. 48 HOURS NOTICE TO THE ENGINEER IS REQUIRED ON ALL INSPECTIONS.
- 9. CONTRACTOR IS RESPONSIBLE TO MAKE ALL ARRANGEMENTS FOR SITE INSPECTIONS AND ENSURE THAT ALL CURRENT STANDARDS FOR THE CITY, COUNTY, AND CALTRANS ARE FOLLOWED PRIOR TO BEGINNING ANY PHASE OF CONSTRUCTION WORK.
- 10. CONTRACTOR SHALL VERIFY DIMENSIONS PRIOR TO START OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
- 11. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGEMENTS TO PAY FOR ALL MATERIAL TESTING REQUIRED FOR QUALITY ASSURANCE/ACCEPTANCE OF THIS PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEE TO IT THAT ALL MATERIAL TESTING REQUIRED BY THE ENGINEER AND QUALITY CONTROL TESTING, PER THE SPECIFIC CONDITIONS, IS PERFORMED. ENGINEER WILL ONLY PERFORM QUALITY ASSURANCE TESTING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER 24 HOURS IN ADVANCE OF QUALITY ASSURANCE TESTING TO ALLOW THE ENGINEER TO SCHEDULE MATERIAL TESTING LAB SAMPLING OR TESTING.
- 12. DUST CONTROL DURING ALL PHASES OF CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR. IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN GOOD HOUSEKEEPING WITHIN THE CONSTRUCTION AREA AND STAGING AREA.
- 13. WATER FOR DUST CONTROL AND USE FOR COMPACTION IS REQUIRED AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PAY FOR ANY FEES OR DEPOSITS.
- 14. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL THE PROPOSED ROUTE(S) FOR ALL CONSTRUCTION TRAFFIC RELATED TO THE PROJECT. UPON APPROVAL, THE CONTRACTOR SHALL STRICTLY ADHERE TO THAT ROUTE(S) ONLY, UNLESS WRITTEN PERMISSION IS OBTAINED TO CHANGE THE ROUTE(S0. IN ADDITION TO THE CONTRACTOR'S PROPOSED ROUTE(S) A DETOUR PLAN SHALL BE SUBMITTED FOR APPROVAL BY THE ENGINEER.
- 15. BIDDERS SHOULD NOTE THE PRESENCE OF OVERHEAD UTILITIES IN THE WORK AREA. AS PART OF THEIR PRE-BID INSPECTION, BIDDERS SHALL NOTE THE TYPE AND LOCATION OF OVERHEAD UTILITIES IN THE PROPOSED WORK AREA. BIDDER'S PRICE SHALL INCLUDE PROVISIONS FOR WORKING IN AREAS WHERE UTILITIES EXIST AT THE TIME OF BIDDING, AND NO ADDITIONAL COMPENSATION IS ALLOWED
- 16. THE CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENCES AFFECTED BY THE PROJECT THROUGHOUT THE LIFE OF THE CONTRACT AS SPECIFIED IN THE SPECIFIC CONDITIONS.
- 17. QUANTITIES OF EXISTING MONUMENTS, MAINTENANCE HOLES, WATER VALVES, ETC. ARE APPROXIMATED BASED ON FIELD OBSERVATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES.
- 18. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY ALL UTILITIES NOT LESS THAN TWO (2) WEEKS PRIOR TO ANY EXCAVATION SO THAT LINES CAN BE MARKED. CONTRACTOR SHALL EXERCISE CARE DURING EXCAVATION OR DEMOLITION, PARTICULARLY IN LOCATION WITH UTILITIES THAT WILL REMAIN IN SERVICE.
- 19. ANY DAMAGE TO THE EXISTING FACILITIES INCLUDING TREES, LANDSCAPING, IRRIGATION, FENCES, WALLS, SIDEWALK, MAILBOXES, UTILITIES, AND OTHER PAVEMENT SURFACES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE. CONTRACTOR SHALL RESTORE ANY AND ALL PAVEMENT AND OTHER FACILITIES OUTSIDE LIMITS OF WORK AFFECTED BY THE CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VIDEOTAPE OR DOCUMENT EXISTING CONDITIONS PRIOR TO START OF WORK TO SUBSTANTIATE ANY PREVIOUS DAMAGE, ETC.; COPIES OF WHICH SHALL BE PROVIDED TO THE ENGINEER.
- 20. ALL SURVEY MONUMENTS SHALL ONLY BE RESET BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR AT THE DIRECTION OF THE ENGINEER.
- 21. TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS. SIGNS. BARRICADES. FLAGMEN. AND OTHER DEVICES TO PROVIDE FOR SAFE PASSAGE OF PUBLIC VEHICULAR, BICYCLE, AND PEDESTRIAN TRAFFIC IN ACCORDANCE WITH CA MUTCD. 22. TYPICAL DETAILS REFERRED TO ON THESE DRAWINGS ARE FROM THE LATEST VERSIONS OF THE CALIFORNIA DEPARTMENT OF
- TRANSPORTATION (CALTRANS) STANDARD PLANS. 23. CONTRACTOR SHALL POSSESS A VALID CLASS 'A' LICENSE AT THE TIME OF AWARD OF THE CONTRACT.
- 24. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A 3 WEEK LOOK AHEAD SCHEDULE AT WEEKLY MEETING; AND DAILY SCHEDULE OF PLANNED WORK BY 8:00 A.M. FOR MILL AND FILL, BASE REPAIR, AND CRACK SEALING WORK.



CACHE SLOUGH MITIGATION BANK WATER CROSSING STRUCTURE

NOTES, LEGEND, AND ABBREVIATIONS





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SCALE AS NOTED

SHEET IOP-1 D









CENTRAL COAST

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FILENAME 10364495ca001.dwg

SCALE AS NOTED

SHEET

X-1



ISSUE	DATE	DESCRIPTION		

PROJECT NUMBER 10364495

DESIGN SPEED: 55 MPH POSTED SPEED: 45 MPH

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SCALE AS NOTED

SHEET

L-1





PROJECT MANAGER	D. JABBOUR
DESIGNED BY	D. TEAK
DRAWN BY	A. JACKSON
CHECKED BY	B. KRCELIC
TECHNICAL LEAD	D. TEAK
DATE	FEBRUARY 5, 2024
PROJECT NUMBER	10364495





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PROJECT MANAGER	D. JABBOUR
DESIGNED BY	T. CRANE
DRAWN BY	T. CRANE
CHECKED BY	H. QUAN
TECHNICAL LEAD	G. ARMSTRONG
DATE	MAY 29, 2024
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FILENAME 10364495ma001.dwg

SCALE AS NOTED

SHEET

SC-1







WATER CROSSING STRUCTURE

STAGE CONSTRUCTION STAGE 2



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	7		8	_
		<u>NOTES:</u> 1. APPROXIMATE EXISTING ROAD 2. EXISTING TREE <u>STAGE 1:</u> 1. ONE-WAY REVE	40' EASEMENT IS CENTERED ABOUT THE D CENTERLINE. S/BRUSH NOT SHOWN ON LAYOUT SHEET. ERSIBLE TRAFFIC CONTROL, WARNING	D
(OH)E	A 141+50 SEE BELOW	 SIGNS, RUMBLI PER CALTRANS 2. SAWCUT, CONI REMOVE BASE 3. CONSTRUCT R OF SR 84. 4. DURING NIGHT SIGNALS SHALL 	E STRIPS, AND FLAGGERS TO BE PLACED S STD PLANS T9 AND T13. DUCT ROADWAY EXCAVATION AND AND SURFACING. OADWAY-RELATED WORK ON NORTH SIDE TIME, TEMPORARY TRAFFIC CONTROL L BE USED.	
= F = F = F = F = F = F = F = F	ATCHLINE ST	LEGEND:	WORK ZONE	
20' SPACING (TYP)	W/	0		С
	5		WARNING SIGN	
		XX)	WARNING SIGN No.	
/]	F S	PORTABLE TRANSVERSE RUMBLE STRIP ARRAY	
PLAN - ROUTE 84			AUTOMATED FLAGGER ASSISTANCE DEVICE	
SCALE: 1" = 50'			PORTABLE FLASHING BEACON	



FILENAME 10364495ma002.dwg

SCALE AS NOTED

SHEET

SC-2



65% NOT FOR CONSTRUCTION

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ISSUE	DATE	DESCRIPTION		

	CTION	IL No.	THERMOPLASTIC (ENHANCED WET 6	ASTIC TRAFFIC STRIPE WET NIGHT VISIBILITY) YELLOW 6" PAVEMENT MARKER	YELLOW PAVEMENT MARKER	
	DIRE	DETA	WHITE	(BROKEN 8-4) YELLOW	(RETROREFLECTIVE)	
			LF	LF	EA	
5+39.18 TO "SR 84" 143+03.79	EB/WB	2		765	32	
5+39.18 TO "SR 84" 143+03.79	WB	27B	765			
5+39.18 TO "SR 84" 143+03.79	EB	27B	765			
84" STA 138+80.87	EB					
84" STA 139+64.65	WB					
TOTALS			1,530	765	32	

PROJECT MANAGER D. JABBOUR DESIGNED BY T. CRANE DRAWN BY T. CRANE CHECKED BY H. QUAN TECHNICAL LEAD G. ARMSTRONG DATE MAY 29, 2024 PROJECT NUMBER 10364495



CACHE SLOUGH MITIGATION BANK WATER CROSSING STRUCTURE

PAVEMENT DELINEATION PLAN AND QUANTITIES

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FILENAME 10364495na001.dwg

SCALE AS NOTED

SHEET

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FJS

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PROJECT MANAGER	D. JABBOUR
DESIGNED BY	T. CRANE
DRAWN BY	T. CRANE
CHECKED BY	H. QUAN
TECHNICAL LEAD	G. ARMSTRONG
DATE	APRIL 5, 2024
PROJECT NUMBER	10364495



CACHE SLOUGH MITIGATION BANK WATER CROSSING STRUCTURE

EROSION CONTROL



FILENAME 10364495te001.dwg

SCALE AS NOTED

SHEET EC-1

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DESIGNED BY	J. MANISCALCO
DRAWN BY	J. VOUGHT
CHECKED BY	H. QUAN
TECHNICAL LEAD	G. ARMSTRONG
DATE	MAY 29, 2024
PROJECT NUMBER	10364495



WATER CROSSING STRUCTURE

GENERAL PLAN

S-001	GENERAL PLAN
S-002	DECK CONTOURS
S-003	FOUNDATION PLAN
S-004	TYPICAL ABUTMENT LAYOUT
S-005	ABUTMENT DETAILS NO. 1
S-006	ABUTMENT DETAILS NO. 2
S-007	TYPICAL SECTION
S-008	PRECAST PRESTRESSED CONCRETE SLAB DETAILS NO. 1
S-009	PRECAST PRESTRESSED CONCRETE SLAB DETAILS NO. 2

A10A A10B	ABBREVIATIONS (SHEET 1 OF 2) ABBREVIATIONS (SHEET 2 OF 2)
A10C	LINES AND SYMBOLS (SHEET 1 OF 3)
A10D	LINES AND SYMBOLS (SHEET 2 OF 3)
A10E	LINES AND SYMBOLS (SHEET 3 OF 3)
A62B	LIMITS OF PAYMENT FOR EXCAVATION AND
	BACKFILL BRIDGE SURCHARGE AND WALL
A62C	LIMITS OF PAYMENT FOR EXCAVATION AND
	BACKFILL BRIDGE
B0-1	BRIDGE DETAILS
B0-3	BRIDGE DETAILS
B0-5	BRIDGE DETAILS
B0-13	BRIDGE DETAILS
B6-21	JOINT SEALS (MAXIMUM MOVEMENT RANGE = 2")
B11-79	CONCRETE BARRIER TYPE 836 DETAILS NO. 1
B11-80	CONCRETE BARRIER TYPE 836 DETAILS NO. 2
Δ	STANDARD PLAN SHEET NO.
\checkmark	DETAIL NO.



FILENAME S-001.dwg

SCALE AS NOTED

SHEET S-001

1 2 3 NOTES: 1 2 3 I controling bo Not INCLUDE CAMBER OR ALLOWANCE FOR FALSEWORK SETTLEMENT. 2 CONTOUR INTERVALE 0.1: 1 Image: Discontroling to the settlement. 2 Control Intervale 0.1: 1 Image: Discontroling to the settlement. 2 Control Intervale 0.1: 3 Image: Discontrol Intervale 0.1: 3 Image: Discontrol Intervale 0.1: 4 Image: Discontrol Intervale 0.1: 5 X - Indicates 0.5: Controles. 4 X - Indicates 0.5: Controles. 5 X - Indicates 0.5: Controles. 6 X - Indicates 0.5: Controles. 4 X - Indicates 0.5: Controles. 5 X - Indicates 0.5: Controles. 6 X - Indicates 0.5: Controles. 6 X - Indicates 0.5: Controles. 7 X - X - X - Indicates 0.5: Controles. 8 B 9 9 9 9 9 9 9 9 <th></th>												
NOTES: CONTOURS DO NOT INCLUDE CAMBER OR ALLOWANCE FOR FALSEWORK SETTLEMENT. CONTOUR INTERVAL = 0.1: CONTOUR INTERVAL = 0.1: NOLOTATES 10' INTERVALS MEASURED ALONG 'S BRIDGE'. 			1				2			3		
 CONTOURS DO NOT INCLUDE CAMBER OR ALLOWANCE FOR FALSEWORK SETTLEMENT. CONTOUR INTERVAL = 0.1'. I - INDICATES 0.5' CONTOURS. X - INDICATES 10' INTERVALS MEASURED ALONG 'S BRIDGE'. 		NC	DTES:									
 2. CONTOUR INTERVAL = 0.1. 3. CONTOURS. 4. SINDCATES 10' INTERVALS MEASURED ALONG '' BRIDGE'. 		1.	CONTOURS DO NOT INCLUE ALLOWANCE FOR FALSEWO	DE CAMBER O DRK SETTLEM	R ENT.							
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4. X : INDICATES 10' INTERVALS MEASURED ALONG 'S BRIDGE'.		3.	- INDICATES 0.5' CONTO	URS.								
Image: Constraint of the second sec		4.	X - INDICATES 10' INTERVA ALONG "€ BRIDGE".	ALS MEASURE	D							
Image: Brown of the second												
X X			\sim 1.				E BRG ABUT 1					
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10.5 EDGE OF DECK 10.6 10.7 10.8 10.9 BB 139+00 EHWY 84 & E BRIDGE 10.9		(-10.4							
-10.6 -10.7 -10.7 -10.8 -10.7 -10.8 -10.9						10.5		EDGE C	OF DECK		_	
BB 139+00 10.9							10.6					
BB 139+00 10.9 10.9 10.9 10.9 10.9 10.9 10.9								10.7				
BB (HWY 84 & C BRIDGE) (HWY 8									10.8			
BB E EHWY 84 & E BRIDGE										10.9		1 0
BB 139+00 139+00 10.9											1	1.0
					BB				€ HWY 84 & € E			
	-						139+00					
10.9												
10.9												
										10 0	-1	1.0
10.8									10.8	10.9		

QUANTITIES:

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STRUCTURE EXCAVATION (BRIDGE)	263	CY
STRUCTURE BACKFILL (BRIDGE)	143	CY
24" CISS CONCRETE PILING	1,372	LF
STRUCTURAL CONCRETE, BRIDGE FOOTING	77	CY
STRUCTURAL CONCRETE, BRIDGE	159	CY
FURNISH PRECAST PRESTRESSED CONCRETE SLAB	2,440	SF
ERECT PRECAST PRESTRESSED CONCRETE DECK UNIT	10	EA
BAR REINFORCING STEEL (BRIDGE)	21,000	LB
JOINT SEAL (MR=1/2")m	87	LF
CONCRETE BARRIER (836)	186	LF
MISCELLANEOUS METAL (BRIDGE)	500	LB

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PLAN

SCALE: 1"=10'

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65% NOT FOR CONSTRUCTION

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DESCRIPTION

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ISSUE







GENERAL NOTES LOAD AND RESISTANCE FACTOR DESIGN

DESIGN:	AASHTO LRFD
SEISMIC DESIGN:	CALTRANS SEI
DEAD LOAD:	INCLUDES 35 P
LIVE LOAD:	HL-93 AND PER
SEISMIC LOADING:	DESIGN ARS C (SOIL PROFILE SPECTRUM PE
REINF CONCRETE:	fy = 60,000 PSI f'c = 3,600 PSI, I n = 8
PRESTRESSED CONCRETE:	SEE "PRESTRE CONCRETE SL/
GROUT:	SEE "PRESTRE CONCRETE SL/
PILES:	SEE "PILE DAT
GEOTECHNICAL:	SEE "GEOTECH

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CACHE SLOUGH MITIGATION BANK WATER CROSSING STRUCTURE

DECK CONTOURS

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STRUCTURAL CONCRETE, BRIDGE (POLYMER FIBER) (fc = 5,000 PSI @ 28 DAYS)

STRUCTURAL CONCRETE, BRIDGE FOOTING (fc = 4,000 PSI @ 28 DAYS)

STRUCTURAL CONCRETE, BRIDGE PILES (f'c = 4,000 PSI @ 28 DAYS)

D BRIDGE DESIGN SPECIFICATIONS, 4th EDITION AND NS AMENDMENTS, PREFACE DATED DEC 2008.

EISMIC DESIGN CRITERIA (SDS), VERSION 1.4 JULY 2005.

PSF FOR FUTURE WEARING SURFACE.

RMIT DESIGN LOAD.

CURVE, SEE "GEOTECHNICAL" E TYPE D) MAGNITUDE = 6.8± 0.25 EAK ROCK ACCELERATION = 0.26g.

UNLESS NOTED OTHERWISE

ESSING NOTES" ON PRECAST PRESTRESSED LAB DETAILS" SHEET S-009.

ESSING NOTES" ON PRECAST PRESTRESSED LAB DETAILS" SHEET S-009.

TA TABLE" ON "FOUNDATION PLAN" SHEET S-003.

"HNICAL DESIGN REPORT"



FILENAME S-002.dwg SCALE AS NOTED SHEET S-002 А

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ISSUE

DESCRIPTION



PILE NOTES:

- 1. REINFORCEMENT EXTENDING INTO FOOTING SHALL BE HOOKED AS SHOWN TO PROVIDE CLEARANCE TO TOP OF FOOTING.
- 2. LAPPED SPLICES IN SPIRAL PILE REINFORCEMENT SHALL BE LAPPED AT LEAST 80 WIRE/BAR DIAMETERS. SPIRAL PILE REINFORCEMENT AT SPLICES AND AT ENDS SHALL BE TERMINATED WITH A 135° HOOK WITH A 6" TAIL HOOKED AROUND A LONGITUDINAL BAR.
- 3. PILES SHALL BE EXTENDED ONLY IN ACCORDANCE WITH DETAILS SHOWN IN THE PROJECT PLANS.
- 4. THE INSPECTION TUBES COULD BE OMITTED IF THE CONCRETE IS POURED IN DRY CONDITION.

24" CISS PILE DETAIL	$\int 1$
SCALE: 3/4"=1'-0"	-
SONEE: 0/4 - 1-0	

CACHE SLOUGH MITIGATION BA WATER CROSSING STRUCTUR

FOUNDATION PLAN

PROJECT MANAGER	D. JABBOUR
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PILE DATA TABLE					
LOCATION	TYPE	NOMINAL RESISTANCE			
		COMPRESSION	TENSION	CUI-OFF ELEV	
ABUT 1	24" CISS	220 KIPS	0	-1.25	-54.0
ABUT 2	24" CISS	220 KIPS	0	-1.25	-54.0

HYDROLOGIC SUMMARY:

FLOOD EVENT	WATER ELEV
100 YR	14.33 (APPROX.)
10 YR	6.77 (APPROX.)

SEE "STORM DRAINAGE MASTER PLAN" PREPARED BY MBK ENGINEERING.

NOTES:

- 1. CONTOURS SHOWN ARE EXISTING GROUND.
- 2. SEE "ROAD PLANS" FOR TYPE AND LOCATIONS OF ALL EXISTING AND PROPOSED UTILITIES.
- 3. LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. VERIFY LOCATIONS OF ALL AFFECTED UTILITIES PRIOR TO PERFORMING ANY EXCAVATION.
- 4. TOPOGRAPHIC SURVEY AND INFORMATION PROVIDED BY COUNTY.

LEGEND:



 \bigcirc INDICATES CISS PILE.

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FILENAME S-003.dwg

SCALE AS NOTED

SHEET S-003



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SSUE	DATE	DESCRIPTION	

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	1



CACHE SLOUGH MITIGATION BANK WATER CROSSING STRUCTURE Westervelt ECOLOGICAL SERVICES ABUTMENT DETAILS NO. 2 SHEET FILENAME S-006.dwg S-006 SCALE AS NOTED

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ISSUE	DATE	

DESCRIPTION

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TYPICAL SECTION

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В

FILENAME S-007.dwg SCALE AS NOTED SHEET S-007



PROJECT MANAGER	D. JABBOUR
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DESCRIPTION

PRECAST PRESTRESSED CONCRETE SLAB DETAILS NO. 1

FILENAME S-008.dwg SCALE AS NOTED SHEET S-008 Α

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FJS				
	ISSUE	DATE	DESCRIPTION	

CACHE SLOUGH MITIGATION BANK WATER CROSSING STRUCTURE

PRECAST PRESTRESSED CONCRETE SLAB DETAILS NO. 2

PROJECT MANAGER	D. JABBOUR
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E RESTRAINER ROD

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FILENAME S-009.dwg SCALE AS NOTED SHEET S-009 D

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