CONC	CONCRETE SHEET PILE DATA					
PILE Type	TOTAL NO. Required	(FT.)	X (FT.)	TOTAL LIN.FT.		
A1	1	51'-0"	10'-0"	51		
A2	1	37'-0"	5'-0"	37		
A3	48	47'-0"	15'-0"	2,256		
Α4	78	56'-0"	18'-6"	4,368		
A5	30	44'-0"	8'-0"	1,320		
A6	51	42'-0"	11'-6″	2,142		
Α7	18	37'-0"	5'-0"	666		
A8	13	51'-0"	10'-0"	663		
Α9	1	44'-0"	6'-0"	44		
A10	2	44'-0"	6'-6"	88		
A11	6	51'-0"	9'-6"	306		
A12	4	51'-0"	8'-0"	204		
A13	2	44'-0"	7'-6"	88		
A14	2	37'-0"	5'-0"	74		
A15	2	37'-0"	5'-0"	74		
A16	2	37'-0"	5'-0"	74		
A17	1	44'-0"	6'-6"	44		
A18	1	47'-0"	8'-0"	47		
A19	1	42'-0"	5'-6"	42		
C1	1	51'-0"	9'-6"	51		
C2	1	51'-0"	9'-6"	51		
СЗ	1	37'-0"	5'-0"	37		



SEE ``CONCRETE SHEET PILE RETAINING WALL SHEET PILE DETAILS'', SHEETS 6 THRU 16 OF 16, FOR PILE TYPES.

DESIGN PARAMETERS

CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS: 8000 PSI (MIN.)

CONCRETE COMPRESSIVE STRENGTH AT RELEASE OF PRESTRESSING: 5600 PSI (MIN.)

UNIFORM COMPRESSION AFTER PRESTRESSED LOSSES: 1000 PSI (MIN.)

PICK-UP, STORAGE, AND TRANSPORTATION: 0.0 PSI TENSION WITH 1.5 TIMES SELF WEIGHT

ALL PRESTRESSING STRANDS SHALL BE 0.6" DIA. 7-WIRE LOW RELAXATION GRADE 270 STRANDS CONFORMING TO AASHTO M203. STRAND SAMPLING REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

PROPOSED DEVICES FOR LIFTING PILES, RECESS DETAILS, AND PATCHING MATERIAL SHALL BE DETAILED IN SHOP DRAWINGS. AFTER ATTACHMENTS HAVE BEEN REMOVED, OPENINGS SHALL BE REPAIRED SUCH THAT THE APPEARANCE OF THE PILE IS UNIFORM.

INSTALL PILES USING A METHOD APPROVED BY THE ENGINEER, WHEREBY THE HEAD OF THE PILE IS NOT DAMAGED.

ALL CORNERS TO BE CHAMFERED $\frac{3}{4}$ " UNLESS OTHERWISE NOTED.

PICK-UP OF PILE MAY BE EITHER A SINGLE POINT PICK-UP OR A TWO POINT PICK-UP AS SHOWN.

FOUNDATION NOTES

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CONSTRUCT CONCRETE SHEET PILE RETAINING WALLS IN ACCORDANCE WITH SECTION 452 OF THE STANDARD SPECIFICATIONS EXCEPT USE CONCRETE SHEET PILES IN LIEU OF STEEL SHEET PILES.

INSTALL CONCRETE SHEET PILES TO TIP ELEVATIONS NO HIGHER THAN AS SHOWN ON THE PLANS.

IF USING IMPACT HAMMERS FOR CONCRETE SHEET PILE INSTALLATION, SUBMIT DRIVING EQUIPMENT AS OUTLINED IN SECTION 450-3 OF THE STANDARD SPCIFICATIONS.

FOR CONCRETE SHEET PILE RETAINING WALLS AND BRIDGE END BENT CONSTRUCTION SEQUENCE, SEE BRIDGE FOUNDATION NOTES ON PLANS.

THE SCOUR CRITICAL ELEVATION FOR WALL NO.1 FROM STATION 10+00 TO 10+75 IS -5.0 FT, FROM STATION 10+75 TO 11+25 IS -8.0 FT, FROM STATION 11+25 TO 12+75 IS -9.0 FT, FROM STATION 12+75 TO 13+75 IS -6.0 FT, FROM STATION 13+75 TO 14+96 IS -3.0 FT. SCOUR CRITICAL ELEVATIONS ARE USED TO MONITOR POSSIBLE SCOUR PROBLEMS DURING THE LIFE OF THE STRUCTURE.

THE SCOUR CRITICAL ELEVATION FOR WALL NO.2 IS -7.0 FT. SCOUR CRITICAL ELEVATIONS ARE USED TO MONITOR POSSIBLE SCOUR PROBLEMS DURING THE LIFE OF THE STRUCTURE.

DRAWN BY :	B.L.GREEN, P.E.	_ DATE : .	3/19
CHECKED BY :	D. A. CANTRELL, P.E.	_ DATE : .	6/19
DESIGN ENGINEER	OF RECORD:B.L.GREEN, P.E.	DATE :	7/19