



**ANCHOR LOAD SUMMARY TABLE**

WALL SEGMENT NO.	PILE MARK	ANCHOR NO. 1			ANCHOR NO. 2			ANCHOR NO. 3		
		DESIGN LOAD (KIP)	TEST LOAD (KIP)	LOCK-OFF LOAD (KIP)	DESIGN LOAD (KIP)	TEST LOAD (KIP)	LOCK-OFF LOAD (KIP)	DESIGN LOAD (KIP)	TEST LOAD (KIP)	LOCK-OFF LOAD (KIP)
1	CS-P1	-	-	-	-	-	-	-	-	-
	CS-P2	-	-	-	-	-	-	-	-	-
	CS-P3	-	-	-	-	-	-	-	-	-
2	CS-P4	-	-	-	-	-	-	-	-	-
	-	61	81	61	-	-	-	-	-	-
	CS-P5	-	-	-	-	-	-	-	-	-
	-	61	81	61	-	-	-	-	-	-
	CS-P6	-	-	-	-	-	-	-	-	-
	-	49	65	49	95	126	95	-	-	-
	CS-P7	-	-	-	-	-	-	-	-	-
	-	49	65	49	95	126	95	-	-	-
	CS-P8	-	-	-	-	-	-	-	-	-
	-	49	65	49	95	126	95	-	-	-
	CS-P9	-	-	-	-	-	-	-	-	-
	-	49	65	49	95	126	95	-	-	-
3	CS-P10	-	-	-	-	-	-	-	-	-
	-	49	65	49	95	126	95	96	131	98
	CS-P11	-	-	-	-	-	-	-	-	-
	-	40	66	40	95	126	95	98	131	98
	CS-P12	-	-	-	-	-	-	-	-	-
	-	49	65	49	95	126	95	96	131	98
4	CS-P13	-	-	-	-	-	-	-	-	-
	-	54	72	54	105	140	105	109	145	109
	CS-P14	-	-	-	-	-	-	-	-	-
	-	54	72	54	105	140	105	109	145	109
	CS-P15	-	-	-	-	-	-	-	-	-
	-	54	72	54	105	140	105	109	145	109
5	CS-P16	-	-	-	-	-	-	-	-	-
	-	67	89	67	129	172	129	-	-	-
	CS-P17	-	-	-	-	-	-	-	-	-
	-	66	88	66	129	172	129	129	172	129
	CS-P18	-	-	-	-	-	-	-	-	-
	-	66	88	66	129	172	129	-	-	-
	CS-P19	-	-	-	-	-	-	-	-	-
	-	66	88	66	129	172	129	-	-	-
	CS-P20	-	-	-	-	-	-	-	-	-
	-	129	172	129	-	-	-	-	-	-

**LATENT ANCHOR CONSTRUCTION PROCEDURE**

1. WORK THIS WITH WALL CONSTRUCTION SEQUENCE ON SHEETS 2 AND 3.
2. DRILL THROUGH WALL, FILL MATERIAL AND INTO ROCK TO THE REQUIRED STEEL CASING EMBEDMENT LENGTH. HOLE MUST BE OF SUFFICIENT DIAMETER TO ACCEPT ALL COMPONENTS AND PROVIDE SPECIFIED COVER.
3. FILL HOLE WITH SUFFICIENT GROUT AND PLUNGE CASING TO THE FULL DEPTH OF EMBEDMENT LENGTH TO ENSURE FULL GROUTING OF ANNULAR SPACE BETWEEN CASING AND ROCK.
4. AFTER SUFFICIENT CURE OF THE GROUT, WITH A MINIMUM COMPRESSIVE STRENGTH OF 1000 PSI AND A MINIMUM OF 16 HOURS, DRILL ANCHOR BOND LENGTH, PERFORM WATER TIGHTNESS TEST, INSTALL ANCHOR, AND PRESSURE GROUT THE BOND LENGTH.
5. INSTALL CASING, WALKER AND HOT DIPPED GALVANIZED BEARING PLATE, FIELD WELD THE PLATE TO THE STEEL CASING AND FIELD GALVANIZE, CLEAN AND FIELD GALVANIZE THE EXPOSED END OF CASING.
6. PRIOR TO TESTING THE ANCHORS, WEDGE THE STEEL CASING IN THE HOLE THROUGH THE WALL TO FIRMLY SECURE IT. AFTER ANCHOR BOND GROUT HAS CURED, PERFORM LOAD TESTS AND PROOF TESTS ON THE ANCHORS AND LOCK OFF LOAD TO THE INDICATED LOAD. JACK AGAINST BEARING PLATE, DO NOT APPLY JACKING LOADS TO THE WALL.
7. GROUT THE STEEL CASING UNTIL GROUT EMERGES FROM END OF CASING, GROUT ANNULAR SPACE BETWEEN CASING AND THE WALL.
8. CUT EXCESS TENDON LENGTH AND INSTALL GREASE FILLED GALVANIZED CAP.
9. OTHER METHODS OF CONSTRUCTION MAY BE CONSIDERED WITH APPROVAL OF REPRESENTATIVE.

**NOTES:**

1. FOR ADDITIONAL INFORMATION, SEE SPECIAL PROVISIONS FOR POST-TENSIONED ROCK ANCHORS.
2. HOLES OPEN FOR MORE THAN 12 HOURS MUST BE RE-CLEANED PRIOR TO INSERTING ANCHOR AND GROUTING.
3. FOR RETAINING WALL CONSTRUCTION SEQUENCE, SEE SHEETS 2 AND 3.
4. FOR ADDITIONAL NOTES, SEE SHEET 4.
5. FOR WALL LAYOUT INFORMATION, ANCHOR ELEVATIONS, ANCHOR INCLINATIONS, AND ADDITIONAL DETAILS, SEE SHEETS 6 AND 7.
6. LOCATE UPPER CENTRALIZER A MINIMUM OF 5 FEET FROM THE TOP OF THE TENDON BOND LENGTH, LOCATE LOWER CENTRALIZER 1 FOOT FROM THE BOTTOM OF THE TENDON BOND LENGTH.
7. NDT WELDS AS PER AASHTO/AWS 1.5 SECTION 6.7.2.
8. TO ALLOW PROPER ALIGNMENT OF THE ANCHORS, SET AND DRILL ANCHOR HOLES BASED ON PRECISE WALKER ASSEMBLY AND WEDGE PLATE ASSEMBLY POSITIONS, USE TEMPLATE AS APPLICABLE.
9. ANCHOR LOCATIONS ARE NUMBERED FROM BOTTOM TO TOP.
10. SIZE THE STRAND ANCHORS BASED ON THE DESIGN LOADS AND TEST LOADS PROVIDED IN THE CONTRACT DOCUMENTS AND THEN ADD (1) ADDITIONAL STRAND TO ALLOW FOR ANCHOR REDUNDANCY.
11. REPAIR DAMAGED GALVANIZING IN ACCORDANCE WITH PUBLICATION 408, SECTION 1.05.02.01.02.
12. ANCHOR CAP TO INCLUDE A CLOSED NEOPRENE SEAL (OR EQUAL) AND ARE TO BE PACKED WITH CORROSION INHIBITING WAX OR GREASE (INCIDENTAL TO THE ANCHORS).

**LEGEND:**

F.F. - FRONT FACE

DIA. - DIAMETER

O.D. - OUTSIDE DIAMETER

Mark	Description	By	Chkd.	Rec'd.	Date
REVISIONS					