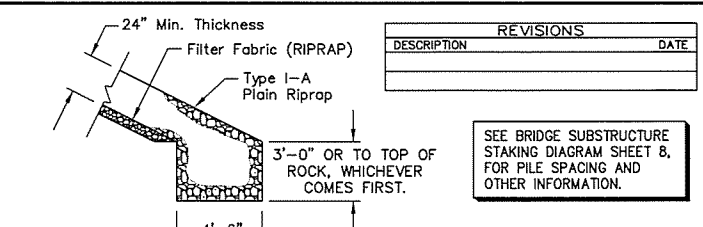
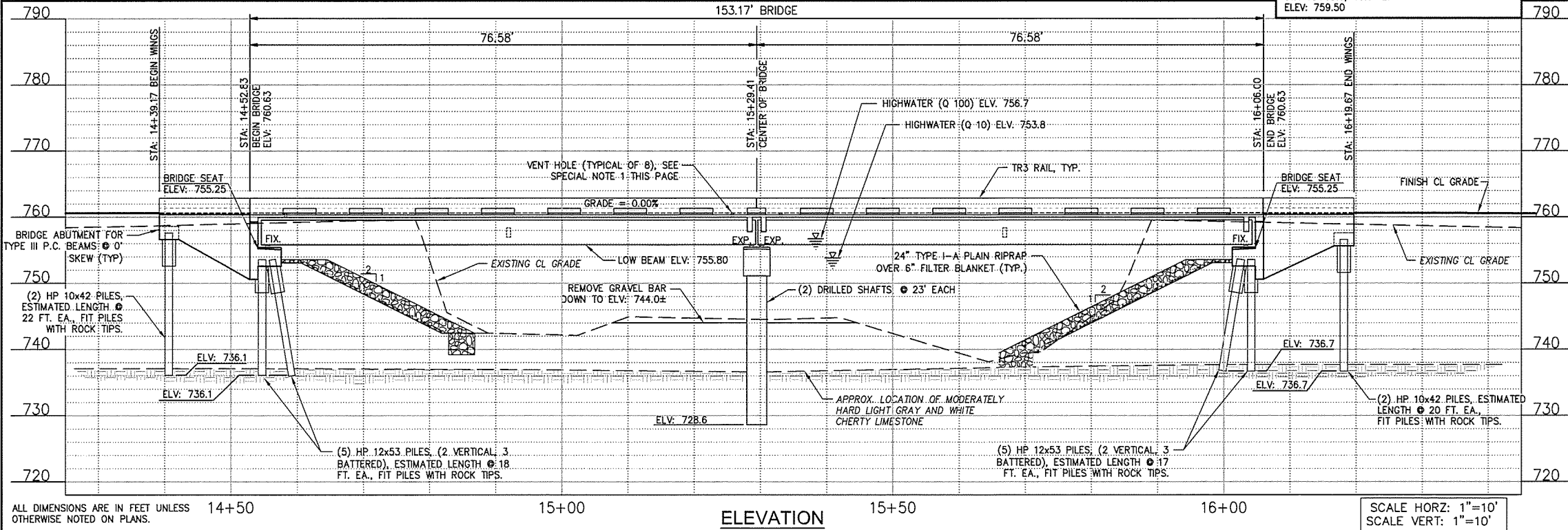


EXPANSION JOINT OPENING	
JOINT OPENING	AMBIENT AIR TEMP (F)
1/4"	112
1/8"	101
1/2"	89
1 1/8"	78
1 1/4"	66
1 1/2"	55
2"	43
2 1/2"	31
2 3/4"	20
3"	8



HYDRAULIC DATA	
Q2	2410 cfs
V2	3.2 fps
CHW2	751.5 ft
Q5	4680 cfs
V5	5.0 fps
CHW5	752.9 ft
Q10	6850 cfs
V10	6.4 fps
CHW10	753.8 ft
Q25	10400 cfs
V25	8.6 fps
CHW25	754.7 ft
Q50	12800 cfs
V50	9.6 fps
CHW50	755.3 ft
Q100	15500 cfs
V100	10.1 fps
CHW100	756.7 ft

SPECIAL NOTES:
1. VENT HOLES SHALL BE PLACED IN THE BRIDGE DECK TO ALLOW TRAPPED AIR BETWEEN BEAMS TO ESCAPE. VENT HOLES SHALL BE 2" DIA. AND PLACED, ONE AT EACH END OF THE CAVITIES, (8) TOTAL, AND AS FAR AWAY FROM VEHICLE TIRE PATHS AS POSSIBLE. COST OF VENT HOLE CONSTRUCTION WILL BE INCIDENTAL TO THE COST OF THE BRIDGE.

DESIGN DATA	
CLASS AA CONCRETE	f _c = 4 KSI
CLASS A CONCRETE	f _c = 3 KSI
REINFORCING STEEL, AASHTO M 31 (GRADE 60)	F _y = 60 KSI
STRUCTURAL STEEL, AASHTO M 270 (GRADE 50W)	F _y = 50 KSI

LOADING: HL-93
20 P.S.F. FUTURE WEARING SURFACE

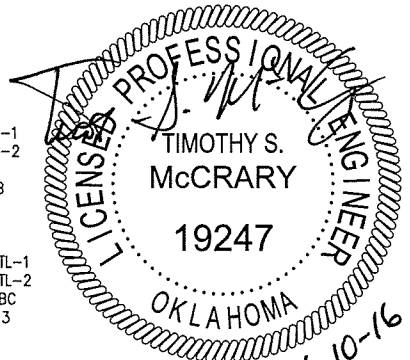
DESIGN: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 5TH EDITION WITH 2010 INTERIMS, EXCEPT AS MODIFIED BY CURRENT ODOT BRIDGE DIVISION DESIGN POLICIES
ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE

LFD OPERATING RATING: HS 46.3

FOUNDATION DATA	
FACTORED PILE REACTION (HP 10 x 42 PILING)	= 50 TONS/PILE
FACTORED PILE REACTION (HP 12 x 53 PILING)	= 70 TONS/PILE

ALL ABUTMENT PILING SHALL BE DRIVEN THROUGH THE COMPACTED FILL. ALL PILING SHALL BE DRIVEN TO POINT BEARING ON SOLID FOUNDATION MATERIAL AT THE APPROXIMATE ELEVATION SHOWN ON THE PLANS. IF THE AXIAL LOAD RESISTANCE IS NOT OBTAINED AT THIS ELEVATION, DRIVING SHALL CONTINUE UNTIL THE AXIAL LOAD RESISTANCE IS OBTAINED. THE AXIAL LOAD CAPACITY ACCORDING TO THE GATES EQUATION SHALL BE GREATER THAN OR EQUAL TO THE FACTORED PILE REACTION. THE LENGTH OF THE STEEL PILING SHOWN ON THE PLANS IS FOR ESTIMATING PURPOSES ONLY.

STANDARDS
CB26-C-SK0-ABUT-PC3
CB26-C-SK0-XSECT-PC234
CB26-C-SK0-LSECT-PCB
CB26-C-SK0-DKSLB-BLUST
CB26-C-SK0-DIA-END
CB26-C-SK0-SPR-QUAN-PCB-1
CB26-C-SK0-SPR-QUAN-PCB-2
CB26-C-SK0.30-PCB-III-75
CB26-C-SK0.30-DIA-INT-PCB
CB26-C-SK0.30-BRG-PC3
CB26.32-C-SK30-ABUT-MISC
CB26.32-C-SK30-WING-PC3
CB26.32-C-I-SK0.30-PCB-DTL-1
CB26.32-C-I-SK0.30-PCB-DTL-2
CB26.32-C-I-SK0.30-GRAU-BC
HP1-2 EJ-SQ PUD-3
TR3-2 EJ-DTL



Design	GLB	04/16	DELAWARE COUNTY	WHITE WATER CREEK BRIDGE
Drawn	JDF	06/16	BRIDGE GENERAL PLAN AND ELEVATION County: DELAWARE Project No. J/P 32598(04) Sheet No. 6	
Checked	GLB	06/16		
Approved				
Squad				