

44. THE CORRUGATED STEEL PIPE SHALL MEET THE REQUIREMENTS OF SUBSECTION 711.01 AND SHALL BE GALVANIZED PER SUBSECTION 726.08 OF THE STANDARD SPECIFICATIONS. ALL COSTS ASSOCIATED WITH PLACING THE CORRUGATED STEEL PIPE, WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROPRIATE PRECAST ABUTMENT ITEM.
45. DUE TO STABILITY CONCERNS AT THE ABUTMENTS DURING THE ERECTION OF THE SUPERSTRUCTURE, THE CONTRACTOR SHALL SUBMIT THE ERECTION PLAN A MINIMUM OF 30 WORKING DAYS PRIOR TO THE BRIDGE CLOSURE PERIOD. UNDER NO CIRCUMSTANCES SHALL A BRIDGE CLOSURE PERIOD BEGIN PRIOR TO HAVING AN ACCEPTED ERECTION PLAN
46. LOADING OF THE ABUTMENT PILE CAVITIES AND END CLOSURE POURS SHALL CONFORM TO SUBSECTION 501.18; HOWEVER, THE COMPRESSIVE STRENGTH SHALL BE TAKEN AS THE 28 DAY COMPRESSIVE STRENGTH SPECIFIED IN THE PROJECT SPECIAL PROVISIONS. SUBSECTION 501.18(c) SHALL NOT APPLY TO THE VERTICAL CONSTRUCTION JOINT BETWEEN PRECAST ELEMENTS.

**H-PILES**

47. THE PILES SHALL BE HP 12X84.
48. TO PREVENT DAMAGE TO THE PILES, PILE SHOES ARE REQUIRED AND SHALL CONFORM TO SUBSECTION 505.04 (f).
49. THE CONTRACTOR MAY DRIVE THE PILES IN THE 14 DAY PERIOD PRIOR TO THE BRIDGE CLOSURE PERIOD. THIS WORK SHALL BE DONE DURING DAILY LANE CLOSURES.
50. PILES SHALL BE DRIVEN TO A NOMINAL PILE DRIVING RESISTANCE ( $R_{NDR}$ ) OF 438 KIPS, PROVIDED THAT A MINIMUM PENETRATION OF 25 FEET AND 18 FEET BELOW THE PILE CAP HAS BEEN ACHIEVED AT ABUTMENT 1 AND 2, RESPECTIVELY.
51. A MINIMUM OF ONE DYNAMIC PILE TEST SHALL BE CONDUCTED AT EACH ABUTMENT. PAYMENT WILL BE MADE UNDER ITEM 505.45 "DYNAMIC PILE LOADING TEST".
52. FOR ESTIMATING PURPOSES, THE PILE TIP ELEVATIONS WERE ASSUMED AS SHOWN ON THE BORING LOGS. THE ACTUAL IN PLACE LENGTHS MAY VARY. DUE TO SLOPING LEDGE BEDROCK AT ABUTMENT 2 AND VARYING ANTICIPATED PILE LENGTHS, CARE SHOULD BE TAKEN IN DETERMINING THE INITIAL PILE LENGTHS TO BE DRIVEN IN EACH LOCATION.
53. THE TOPS OF THE PILES SHALL NOT VARY FROM THE POSITION SHOWN ON THE PLANS BY MORE THAN 3 INCHES. THE PILE ORIENTATION SHALL NOT VARY BY MORE THAN 5 DEGREES. THE CONTRACTOR SHALL DEMONSTRATE TO THE SATISFACTION OF THE ENGINEER HOW THE TOLERANCES WILL BE MET. THESE MEASURES SHALL BE DEMONSTRATED IN A SUBMITTAL TO BE ACCEPTED BEFORE PILE PLACEMENT COMMENCES.

PROJECT NAME: BRADFORD	
PROJECT NUMBER: BF 0191 (29)	
FILE NAME: sl3c054notes.dgn	PLOT DATE: 02-NOV-2016
PROJECT LEADER: C. CARLSON	DRAWN BY: G. ROY
DESIGNED BY: M. EVANS-MONGEON	CHECKED BY: M. EVANS-MONGEON
PROJECT NOTES (2)	SHEET 6 OF 71