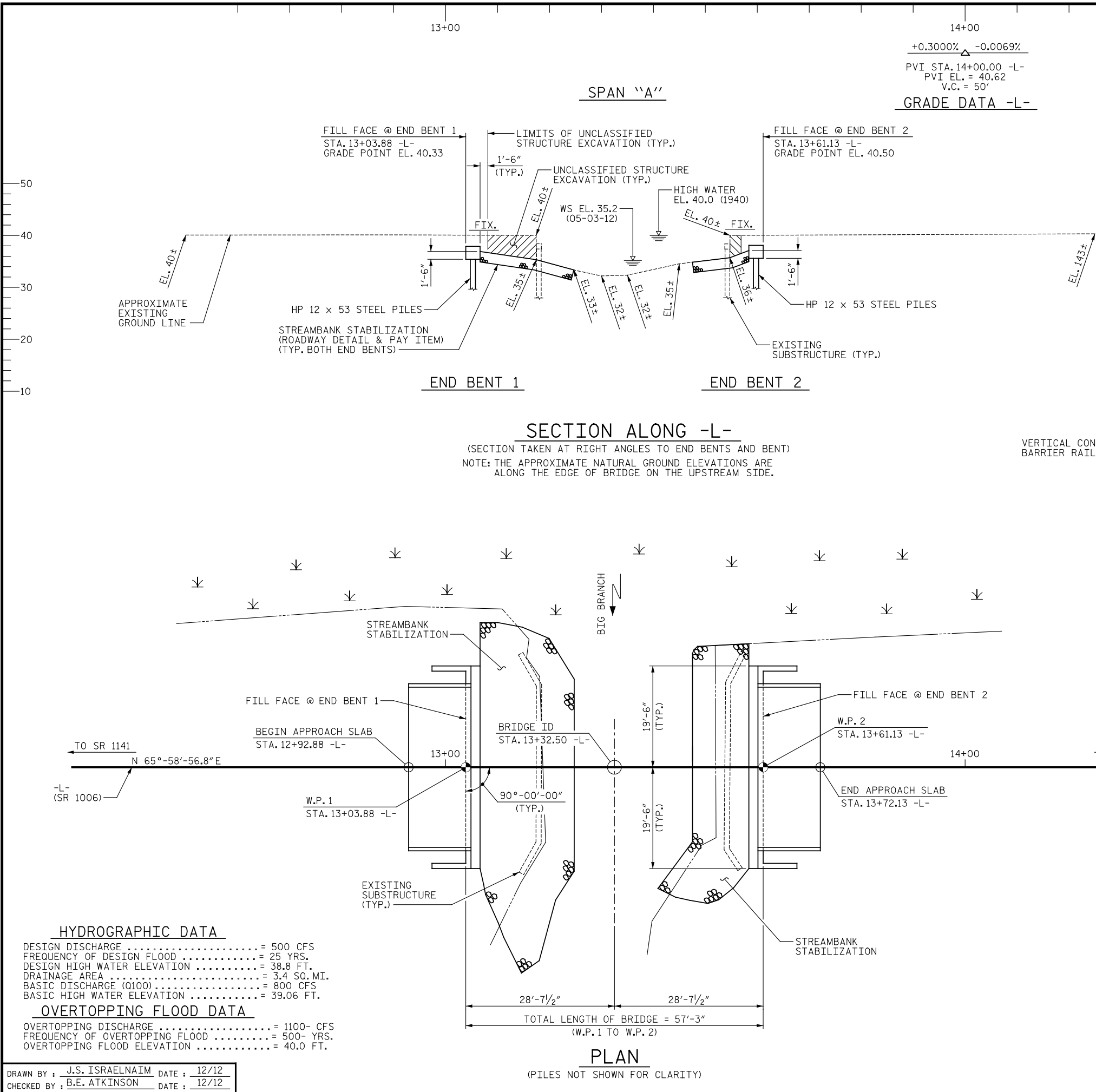
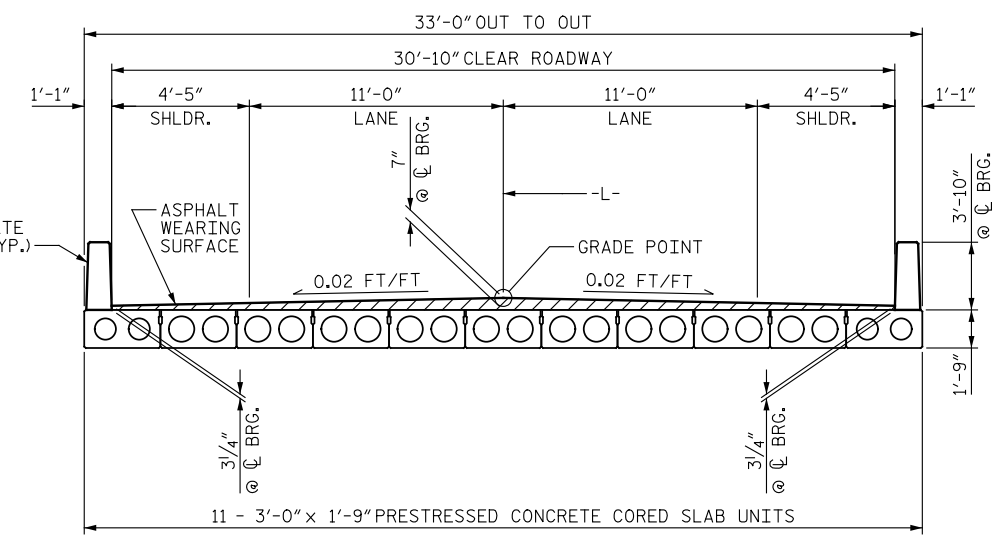


12/21/2012 3:42:53 PM User: blanning
Filename: P:\NC Projects\MI1005 - Arcadis Low Impact Replacements\MI1005.09.17BP6R20 - Columbus 75\17BP6R20\Structures\17BP6R20-SD-P001.dgn



GRADE DATA -L-
+0.3000% -0.0069%
PVI STA. 14+00.00 -L-
PVI EL. = 40.62
V.C. = 50'

NOTES
ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.
THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
THIS BRIDGE IS LOCATED IN SEISMIC PERFORMANCE ZONE 2.



HYDROGRAPHIC DATA
DESIGN DISCHARGE = 500 CFS
FREQUENCY OF DESIGN FLOOD = 25 YRS.
DESIGN HIGH WATER ELEVATION = 38.8 FT.
DRAINAGE AREA = 3.4 SQ. MI.
BASIC DISCHARGE (Q100) = 800 CFS
BASIC HIGH WATER ELEVATION = 39.06 FT.

OVERTOPPING FLOOD DATA
OVERTOPPING DISCHARGE = 1100- CFS
FREQUENCY OF OVERTOPPING FLOOD = 500- YRS.
OVERTOPPING FLOOD ELEVATION = 40.0 FT.

PROJECT NO. 17BP.6.R.20
COLUMBUS COUNTY
STATION: 13+32.50 -L-

REPLACES BRIDGE NO. 75

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
PRELIMINARY GENERAL DRAWING FOR BRIDGE ON SR 1006 OVER BIG BRANCH BETWEEN SR 1141 & SR 1117					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
SHEET NO.					TOTAL SHEETS

REVIEW PLANS
DO NOT USE FOR CONSTRUCTION.

MI ENGINEERING
1011 SCHAUB DRIVE, SUITE 100
RALEIGH, NC 27606
(919) 851-6606
FIRM PE NUMBER : P-0671

DRAWN BY : J.S. ISRAELNAIM DATE : 12/12
CHECKED BY : B.E. ATKINSON DATE : 12/12

PLAN
(PILES NOT SHOWN FOR CLARITY)