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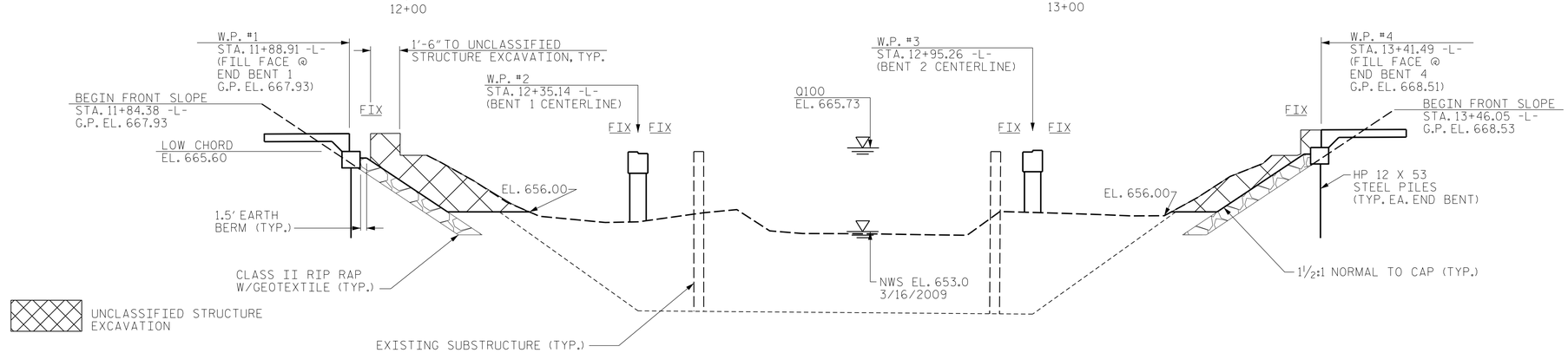
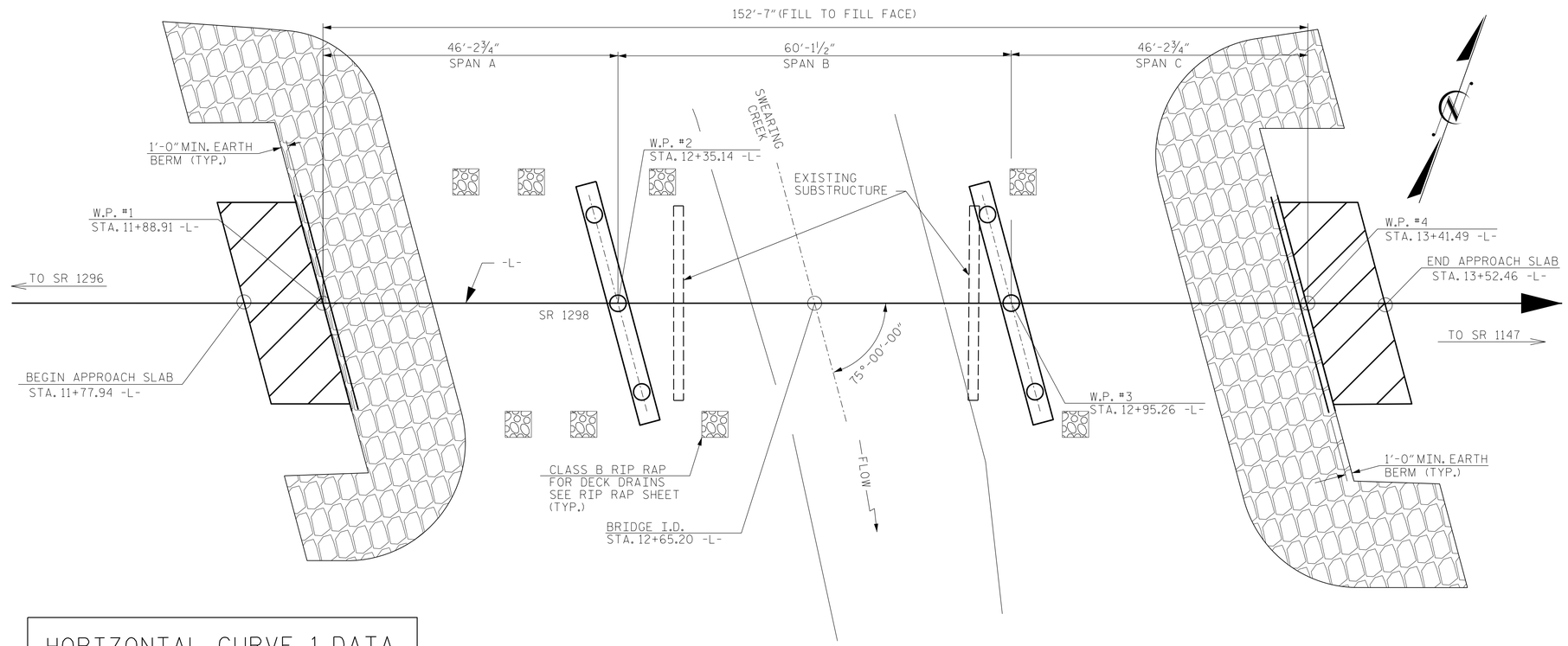


SECTION ALONG -L-

(SECTION AT END BENTS AND BENTS ARE AT RIGHT ANGLES)



PLAN VIEW

(PILES NOT SHOWN IN PLAN)

PI = 11+40.00
EL = 667.70'
VC = 150'

GRADE DATA -L-

HYDRAULIC DATA

DESIGN DISCHARGE	= 3900 CFS
FREQUENCY OF DESIGN DISCHARGE	= 25 YRS.
DESIGN HIGH WATER ELEVATION	= 663.3'
DRAINAGE AREA	= 26.4 SQ. MI.
BASE DISCHARGE (Q100)	= 6100 CFS
BASE HIGH WATER ELEVATION	= 665.73'

OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE	= 8500 CFS
FREQUENCY OF OVERTOPPING FLOOD	= 500 YRS.
OVERTOPPING FLOOD ELEVATION	= 668.0'

HORIZONTAL CURVE 1 DATA

P.I. STA. = 10+58.89 -L-
△ = 6° 12' 49" (RT)
D = 5° 16' 50.6"
L = 117.67'
T = 58.89'
R = 1085.00'

I HEREBY CERTIFY THESE PLANS
ARE AS-BUILT PLANS

PROJECT NO. 17BP.9.R.3
DAVIDSON COUNTY
STATION: 12+65.20 -L-

SHEET 1 OF 2 REPLACES BRIDGE NO. 40

NORTH CAROLINA PROFESSIONAL SEAL 030046 ENGINEER MATTHEW PAYNE

DocuSigned by: 3C4001646640F4D7... 6/10/2015

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
FOR BRIDGE ON SR 1298
OVER SWEARING CREEK
BETWEEN SR 1296 AND SR 1147

ATKINS 1616 E. MILLBROOK ROAD, SUITE #310
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

REVISIONS								SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:			S-1
1			3					TOTAL SHEETS
2			4					22

DRAWN BY : C. BLAKES 2/13
CHECKED BY : M. PAYNE 5/15