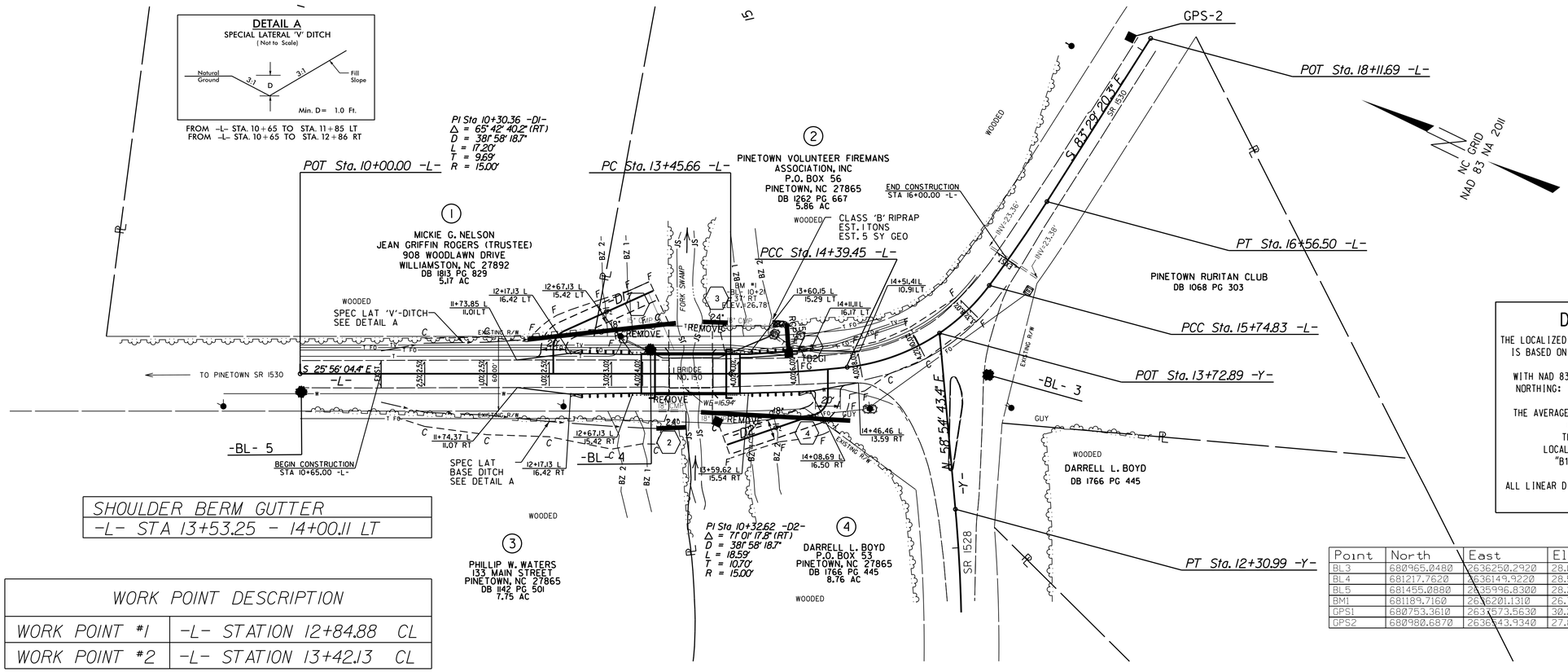
PROJECT REFERENCE NO.	SHEET NO.
17BP.2.R.54	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL ENGINEER EDWARD EATMON 11274 — 11/24/2015



50 25 0 50 100
PLANS

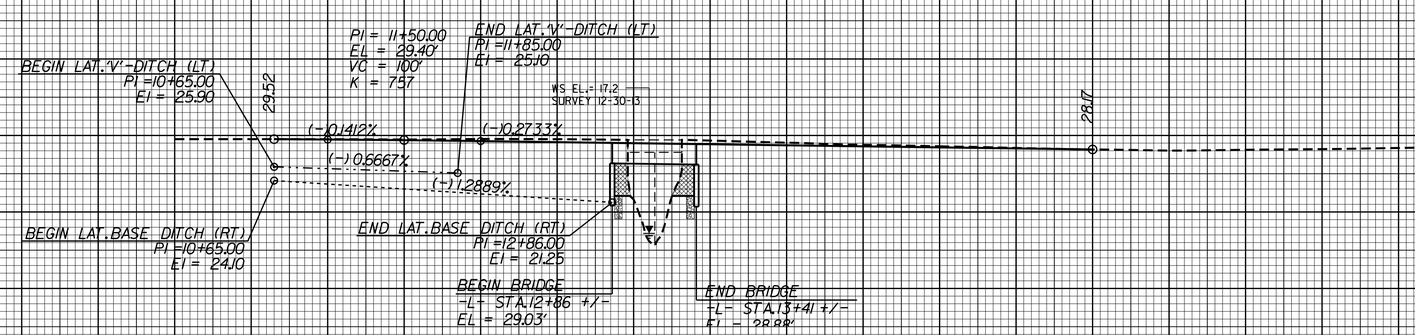
DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B150 GPS-2" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 680980.687(ft) EASTING: 2636543.934(ft) ELEVATION: 27.86(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99989567
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B150 GPS-2" TO -L- STATION 10+00 IS N 47° 58' 25.25" W 719.37'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

Point	North	East	Elevation	Description
BL3	680965.0480	2636250.2920	28.0600	B150 BL-3
BL4	681217.7620	2636149.9220	28.5000	B150 BL-4
BL5	681455.0880	2635996.8300	28.2400	B150 BL-5
BM1	681189.7160	2636201.1310	26.7500	R/R SPIKE SET IN 16" PINE
GPS1	680753.3610	2637573.5630	30.2400	B150 GPS-1
GPS2	680980.6870	2636543.9340	27.8600	B150 GPS-2

SHOULDER BERM GUTTER
-L- STA 13+53.25 - 14+00.11 LT

WORK POINT DESCRIPTION	
WORK POINT #1	-L- STATION 12+84.88 CL
WORK POINT #2	-L- STATION 13+42.13 CL



BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 600	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 26.4	FT
BASE DISCHARGE	= 900	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 27.3	FT
OVERTOPPING DISCHARGE	= -	CFS
OVERTOPPING FREQUENCY	= -	YRS
OVERTOPPING ELEVATION	= 28.7	FT
DATE OF SURVEY	= 12-30-13	
W.S.ELEVATION AT DATE OF SURVEY	= 17.2	FT

REVISIONS

8/17/99

23-NOV-2015 11:18
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$$$$USERNAME$$$$