HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
17.BP.2.R.54	EC-5
R/W SHEET NO.	

BEN HENEGAR, E.I.
EROSION CONTROL
LEVEL III
CERTIFICATION #3564

NOTE: THE CONTRACTOR SHALL INSTALL SPECIAL SEDIMENT CONTROL FENCE OR WATTLES IN LOW AREAS OF SILT FENCE AND UNDER THE BRIDGE, AS NEEDED OR DIRECTED BY THE ENGINEER.

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

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

10:25:33 AM
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