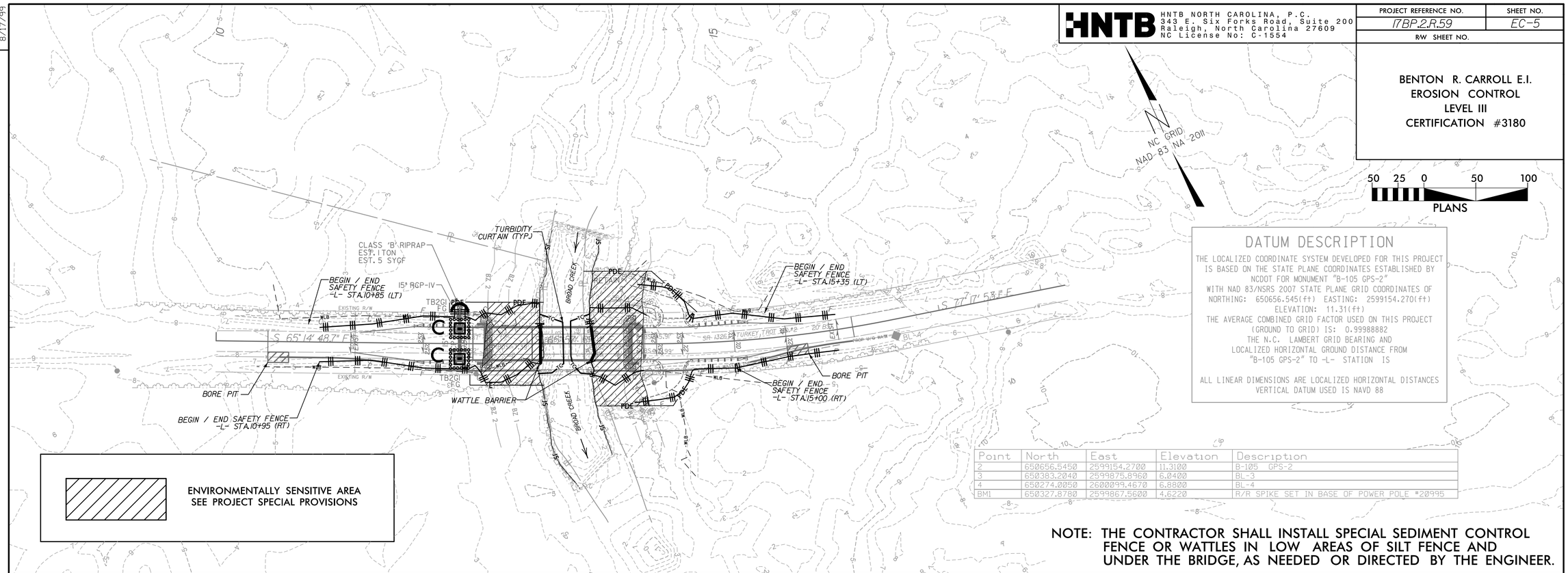
HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
17BP.2.R.59	EC-5
R/W SHEET NO.	

BENTON R. CARROLL E.I.
EROSION CONTROL
LEVEL III
CERTIFICATION #3180



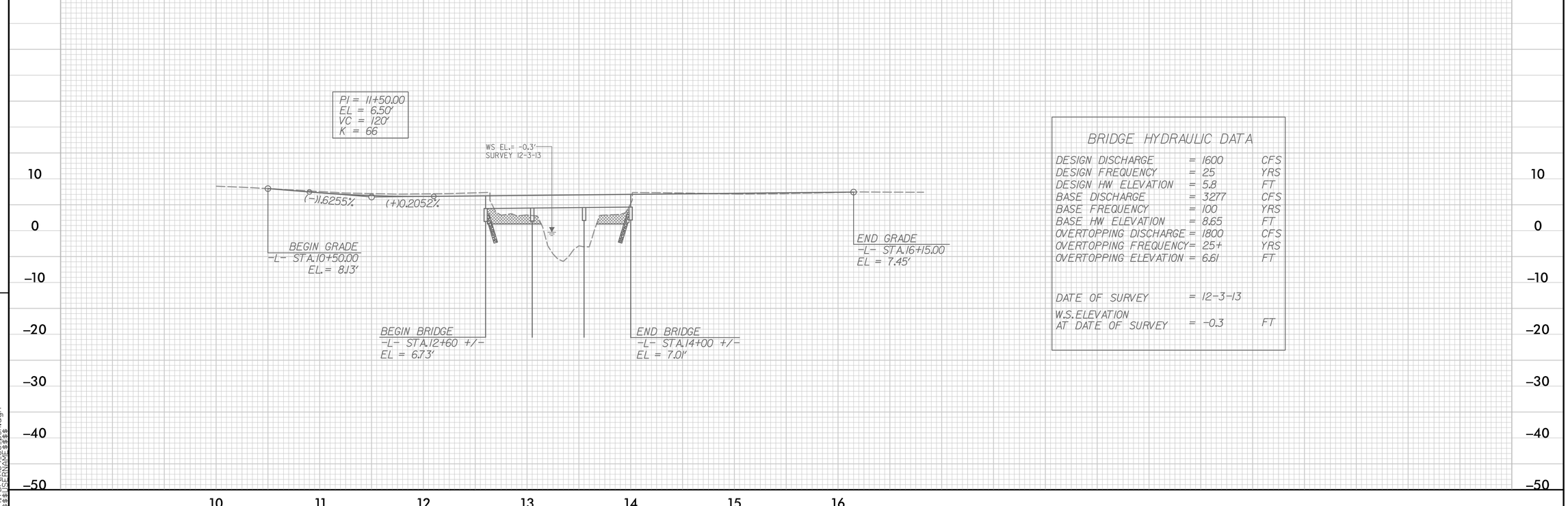
DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B-105 GPS-2"
WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF
NORTHING: 650656.545(ft) EASTING: 2599154.270(ft)
ELEVATION: 11.31(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99988882
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B-105 GPS-2" TO -L- STATION IS

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

Point	North	East	Elevation	Description
2	650656.5450	2599154.2700	11.3100	B-105 GPS-2
3	650383.2040	2599875.8960	6.0400	BL-3
4	650274.0050	2600293.4670	6.8800	BL-4
BM1	650327.8780	2599867.5600	4.6220	R/R SPIKE SET IN BASE OF POWER POLE #28995

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.



BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	=	1600	CFS
DESIGN FREQUENCY	=	25	YRS
DESIGN HW ELEVATION	=	5.8	FT
BASE DISCHARGE	=	3277	CFS
BASE FREQUENCY	=	100	YRS
BASE HW ELEVATION	=	8.65	FT
OVERTOPPING DISCHARGE	=	1800	CFS
OVERTOPPING FREQUENCY	=	25+	YRS
OVERTOPPING ELEVATION	=	6.61	FT
DATE OF SURVEY	=	12-3-13	
W.S. ELEVATION AT DATE OF SURVEY	=	-0.3	FT

REVISIONS

8/17/99

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