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PROJECT REFERENCE NO.	SHEET NO.
17BP.9.R.3	EC-4/CONST.4

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 032721 ENGINEER JOHN F. OGLESBY

DocuSigned by: John F. Oglesby 8/10/2015
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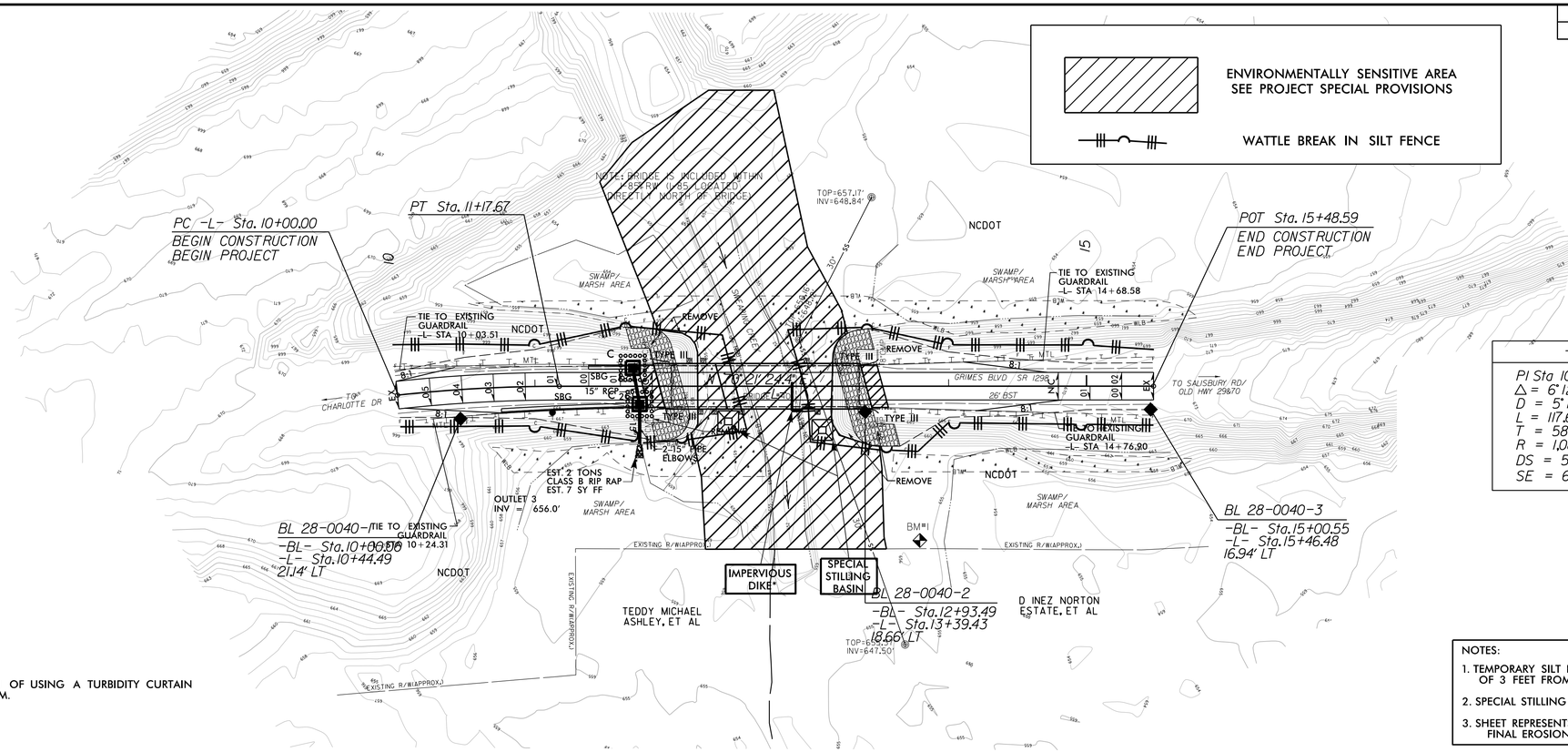
DAVIDSON COUNTY
BRIDGE # 280040

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

WATTLE BREAK IN SILT FENCE

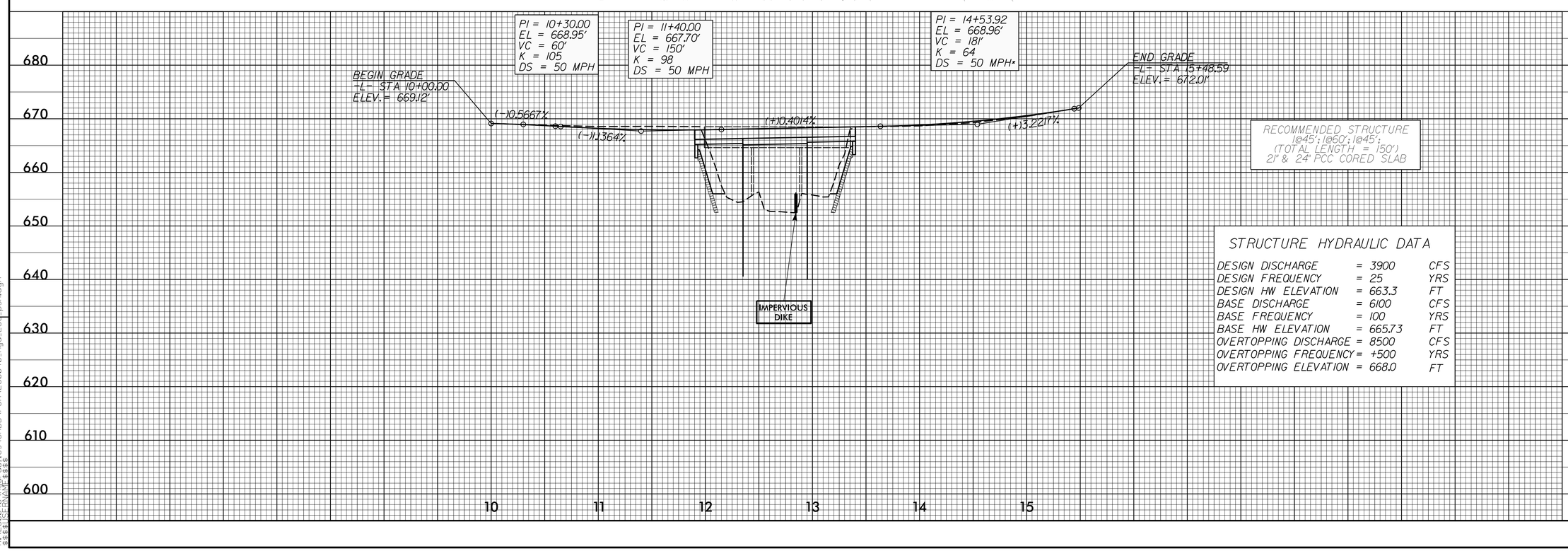


-L-
PI Sta 10+58.89
Δ = 6° 12' 49.0" (RT)
D = 5° 16' 50.6"
L = 117.67'
T = 58.89'
R = 1,085.00'
DS = 55 MPH
SE = 6%

*IMPERVIOUS DIKE NOTE:
THE CONTRACTOR HAS THE OPTION OF USING A TURBIDITY CURTAIN OR IMPERVIOUS DIKE IN THE STREAM.

NOTES:

1. TEMPORARY SILT FENCE SHALL BE INSTALLED A MINIMUM OF 3 FEET FROM TOE OF FILL IN WETLAND AREAS
2. SPECIAL STILLING BASINS REQUIRED FOR DRILLED SHAFTS.
3. SHEET REPRESENTS CLEAR AND GRUBBING, AS WELL AS FINAL EROSION CONTROL FOR CONSTRUCTION SHEET 4.



STRUCTURE HYDRAULIC DATA

DESIGN DISCHARGE	= 3900	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 663.3	FT
BASE DISCHARGE	= 6100	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 665.73	FT
OVERTOPPING DISCHARGE	= 8500	CFS
OVERTOPPING FREQUENCY	= +500	YRS
OVERTOPPING ELEVATION	= 668.0	FT

REVISIONS

8/17/99

18-MAY-2015 17:52
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