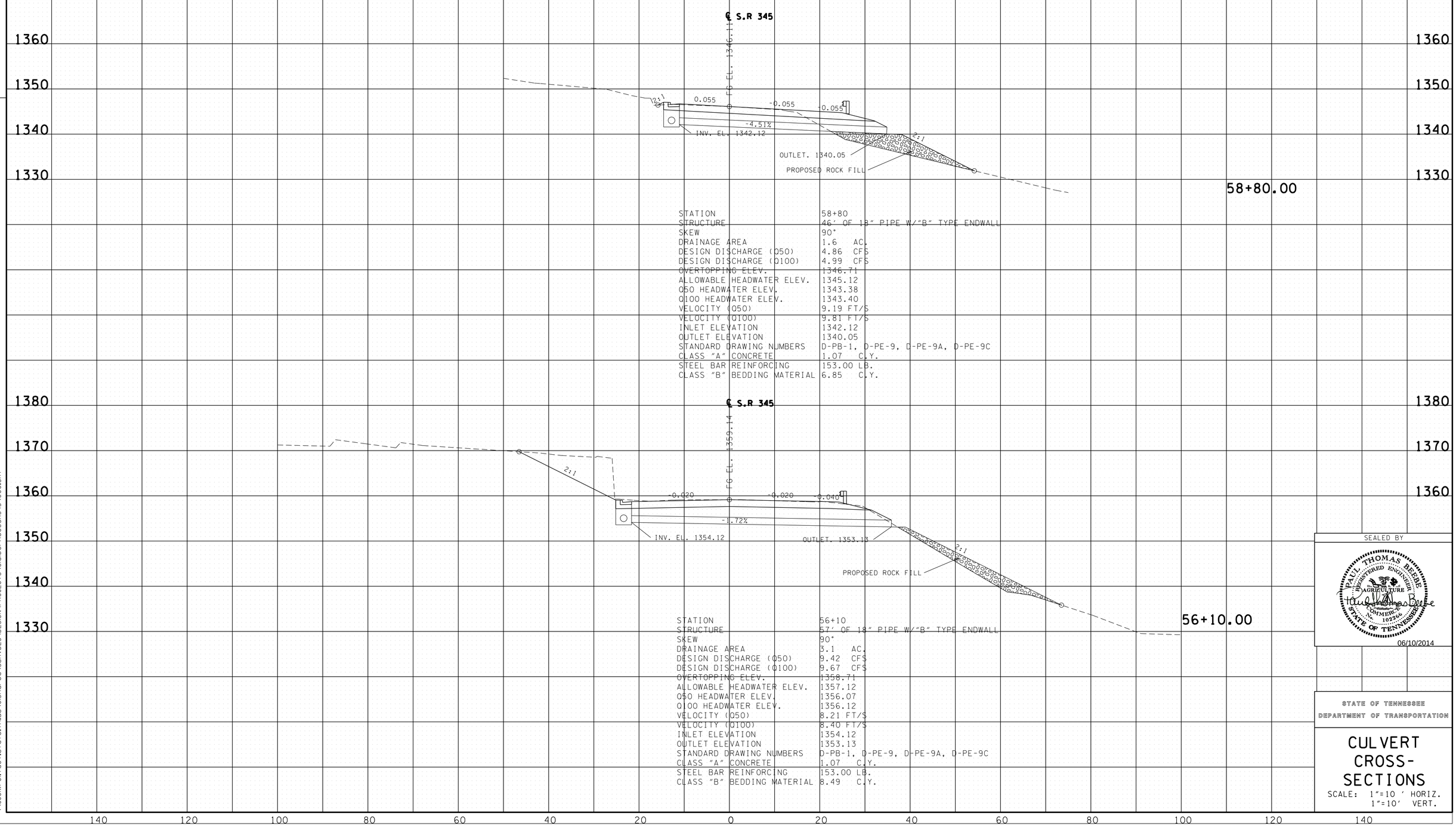
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	NHTSA-HE-345(1)	6
CONST.	2014	PHSIP-345(11)	6

CLAIBORNE S.R. 345
97013-2205-04 (R.O.W.)
13061-3206-94 (CONST.)

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



STATION	58+80
STRUCTURE	46' OF 18" PIPE W/"B" TYPE ENDWALL
SKEW	90°
DRAINAGE AREA	1.6 AC.
DESIGN DISCHARGE (Q50)	4.86 CFS
DESIGN DISCHARGE (Q100)	4.99 CFS
OVERTOPPING ELEV.	1346.71
ALLOWABLE HEADWATER ELEV.	1345.12
Q50 HEADWATER ELEV.	1343.38
Q100 HEADWATER ELEV.	1343.40
VELOCITY (Q50)	9.19 FT/S
VELOCITY (Q100)	9.81 FT/S
INLET ELEVATION	1342.12
OUTLET ELEVATION	1340.05
STANDARD DRAWING NUMBERS	D-PB-1, D-PE-9, D-PE-9A, D-PE-9C
CLASS "A" CONCRETE	1.07 C.Y.
STEEL BAR REINFORCING	153.00 LB.
CLASS "B" BEDDING MATERIAL	6.85 C.Y.

STATION	56+10
STRUCTURE	57' OF 18" PIPE W/"B" TYPE ENDWALL
SKEW	90°
DRAINAGE AREA	3.1 AC.
DESIGN DISCHARGE (Q50)	9.42 CFS
DESIGN DISCHARGE (Q100)	9.67 CFS
OVERTOPPING ELEV.	1358.71
ALLOWABLE HEADWATER ELEV.	1357.12
Q50 HEADWATER ELEV.	1356.07
Q100 HEADWATER ELEV.	1356.12
VELOCITY (Q50)	8.21 FT/S
VELOCITY (Q100)	8.40 FT/S
INLET ELEVATION	1354.12
OUTLET ELEVATION	1353.13
STANDARD DRAWING NUMBERS	D-PB-1, D-PE-9, D-PE-9A, D-PE-9C
CLASS "A" CONCRETE	1.07 C.Y.
STEEL BAR REINFORCING	153.00 LB.
CLASS "B" BEDDING MATERIAL	8.49 C.Y.

SEALED BY

PAUL THOMAS BREEDE
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 102266
STATE OF TENNESSEE

06/10/2014

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

SCALE: 1"=10' HORIZ.
1"=10' VERT.

10-JUN-2014 10:27
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