TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	BRZE-2600(37)	4C
CONST.	2014	BRZE-2600(37)	4C

CONTROL	NORTHING	EASTING	ELEVATION	STATION	OFFSET
CP-1	255731.150300	1995724.788400	641.430000	19+59	-4.22
CP-2	255699.131600	1995478.673100	641.260000	17+08	55.59
CP-3	255717.527412	1995400.277330	649.664181	16+29	37.19
CP-4	255718.083831	1995424.309600	650.788361	16+53	36.64
CP-5	255741.233681	1995047.060610	642.373445	12+76	13.49
CP-6	255740.720371	1995340.307290	646.515532	15+69	14.00
CP-7	255612.050972	1995322.184600	645.872972	15+51	142.67
CP-8	255735.011938	1995238.265320	646.528823	14+67	19.71
CP-9	255733.542418	1995285.141870	647.090959	15+14	21.18
CP-11	255748.230963	1995133.035650	642.319267	13+62	6.49
BM-12	255775.530852	1994764.957950	642.407185	9+93	8.26
BM-13	255678.660424	1995840.487410	639.728213	20+68	51.53
CP-14	255730.400562	1996143.226800	642.280435	23+74	-6.56

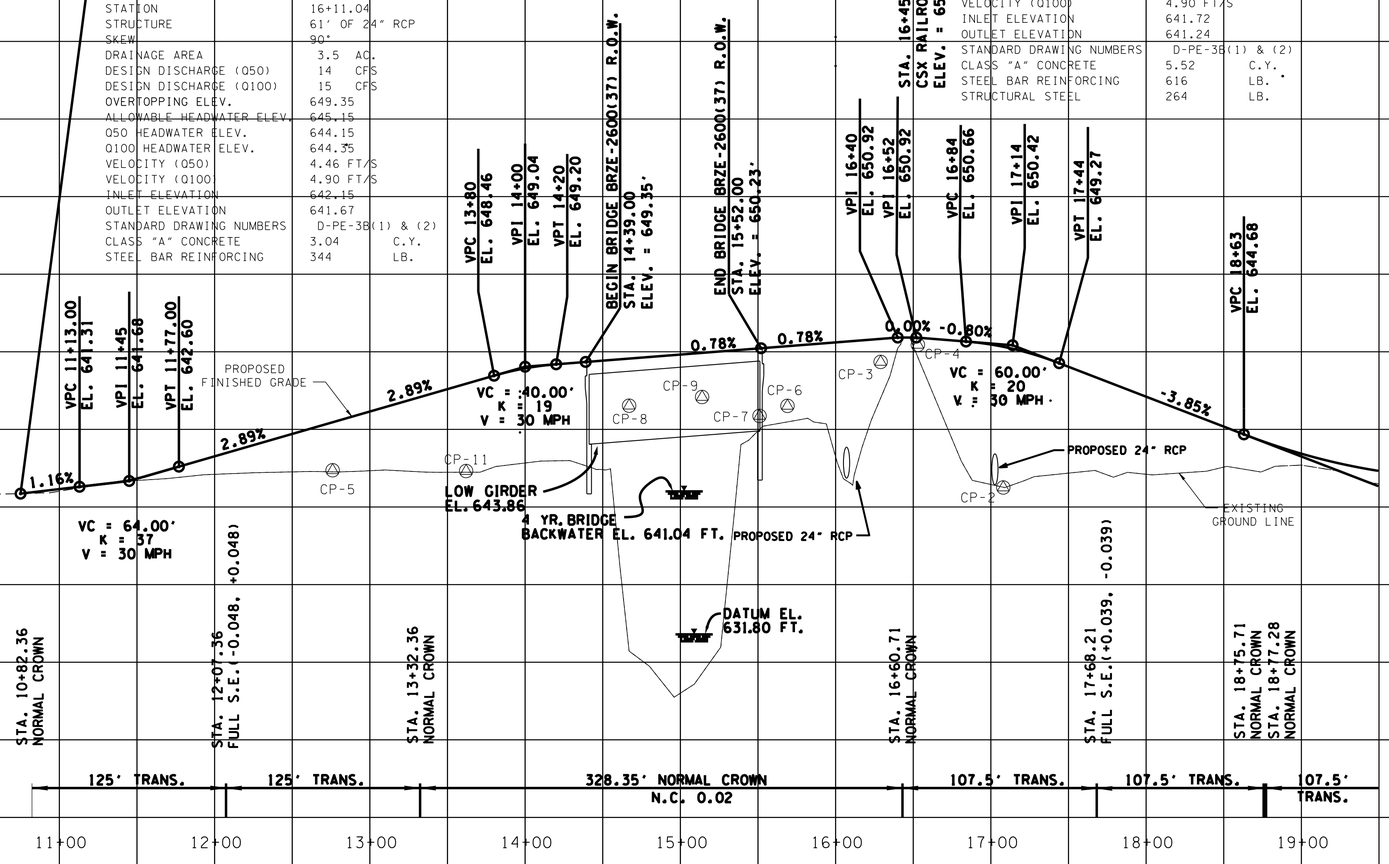
STATION 14+95.50
STRUCTURE 113' SINGLE SPAN
SKEW 90°
DRAINAGE AREA 54 mi²
DESIGN DISCHARGE (Q3) 3,774 CFS
OVERTOPPING ELEV. 641.04 FT.
Q4 HEADWATER (HW) ELEV. 641.04 FT.
Q4 BRIDGE BACKWATER 0.02 FT. (HW-NW•)
VELOCITY (Q4) 4.50 FT/S
EFFECTIVE AREA OF OPENING PROVIDED BELOW
NW• ELEVATION 641.04 FT.= 838.70
BRIDGE LOW GIRDER ELEV. = 643.86 FT.

EXC.	(UNCL.)	1201 C.Y.	(INCL. 816 C.Y. BERM FOR EPSC, 273 C.Y. TOPSOIL FROM EMB. AREAS AND 35 C.Y. TOPSOIL FROM EXC. AREAS.)
EMB.	(UNCL.)	3574 C.Y.	(INCL. 273 C.Y. TO REPLACE STRIPPED TOPSOIL.
BORROW EXC.		4034 C.Y.	
SHR.	15%		

STATION 17+06.61
STRUCTURE 58' OF 24" RCP
SKEW 67° LT.
DRAINAGE AREA 3.5 AC.
DESIGN DISCHARGE (Q50) 14 CFS
DESIGN DISCHARGE (Q100) 15 CFS
OVERTOPPING ELEV. 649.19
ALLOWABLE HEADWATER ELEV. 644.72
Q50 HEADWATER ELEV. 643.72
Q100 HEADWATER ELEV. 643.92
VELOCITY (Q50) 4.46 FT/S
VELOCITY (Q100) 4.90 FT/S
INLET ELEVATION 641.72
OUTLET ELEVATION 641.24
STANDARD DRAWING NUMBERS D-PE-3B(1) & (2)
CLASS "A" CONCRETE 5.52 C.Y.
STEEL BAR REINFORCING 616 LB.
STRUCTURAL STEEL 264 LB.

BEGIN PROJECT 26071-3401-94
STA. 10+75.00 BRZE-2600(37) CONST.
N 255772.65
E 1994847.13

STATION 16+11.04
STRUCTURE 61' OF 24" RCP
SKEW 90°
DRAINAGE AREA 3.5 AC.
DESIGN DISCHARGE (Q50) 14 CFS
DESIGN DISCHARGE (Q100) 15 CFS
OVERTOPPING ELEV. 649.35
ALLOWABLE HEADWATER ELEV. 645.15
Q50 HEADWATER ELEV. 644.15
Q100 HEADWATER ELEV. 644.35
VELOCITY (Q50) 4.46 FT/S
VELOCITY (Q100) 4.90 FT/S
INLET ELEVATION 642.15
OUTLET ELEVATION 641.67
STANDARD DRAWING NUMBERS D-PE-3B(1) & (2)
CLASS "A" CONCRETE 3.04 C.Y.
STEEL BAR REINFORCING 344 LB.



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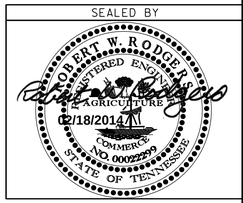

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 10+00 TO STA. 19+50
SCALE: 1"=50' HORIZ.
1"= 5' VERT.

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