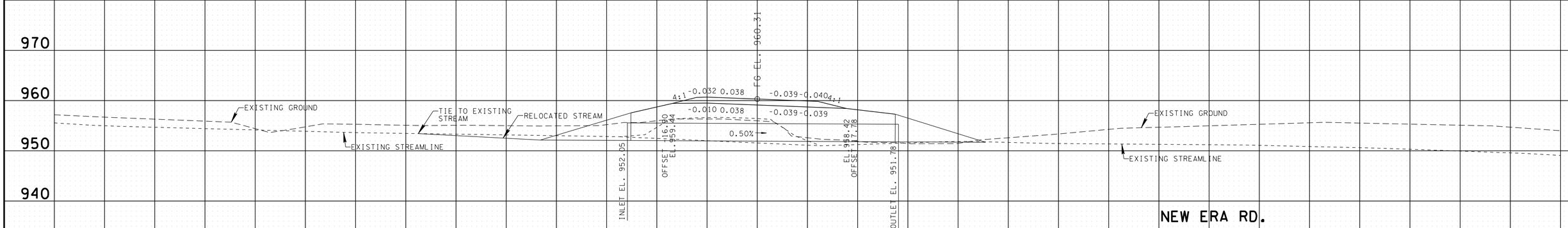
| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|---|---|---|---|
| R.O.W. | 2013 | HRRR/HSIP-2480(10) | 5 |
| CONST. | 2014 | HRRR/HSIP-2480(10) | 5 |

NEW ERA RD.
78946-2414-94
78946-3409-94

SEVIER CO.
(R.O.W.)
(CONST.)

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION




| | |
|---|---|
| STATION | 13+28.00 |
| STRUCTURE | 54' - 42" CMP CULV. REQ'D W/4U ENDWALL (INLET AND OUTLET) |
| SKEW | 85° RT. |
| DRAINAGE AREA | 21.16 AC. |
| DESIGN DISCHARGE (Q50) | 33 CFS |
| DESIGN DISCHARGE (Q100) | 35 CFS |
| OVERTOPPING ELEV. | 960.69 |
| ALLOWABLE HEADWATER ELEV. | 958.42 |
| Q50 HEADWATER ELEV. | 955.80 |
| Q100 HEADWATER ELEV. | 955.89 |
| VELOCITY (Q50) | 4.50 FT/S |
| VELOCITY (Q100) | 4.54 FT/S |
| INLET ELEVATION | 952.05 |
| OUTLET ELEVATION | 951.78 |
| STANDARD DRAWING NUMBERS | D-PE-42(A)&(B), D-PE-99 |
| 42" ENDWALL 4:1 | 2 EACH |
| STRUCTURAL STEEL | 360 LB. |

SEALED BY

PAUL THOMAS BEBBE
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE
No. 102268
STATE OF TENNESSEE

12/03/2013

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

# CULVERT CROSS-SECTION

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

03-DEC-2013 09:37
\\JUOWF01.tdot.state.tn.us\Shared\SURVDES\DESIGN\PROJECTS\SE-NEWERA-01\CONST 005.sht