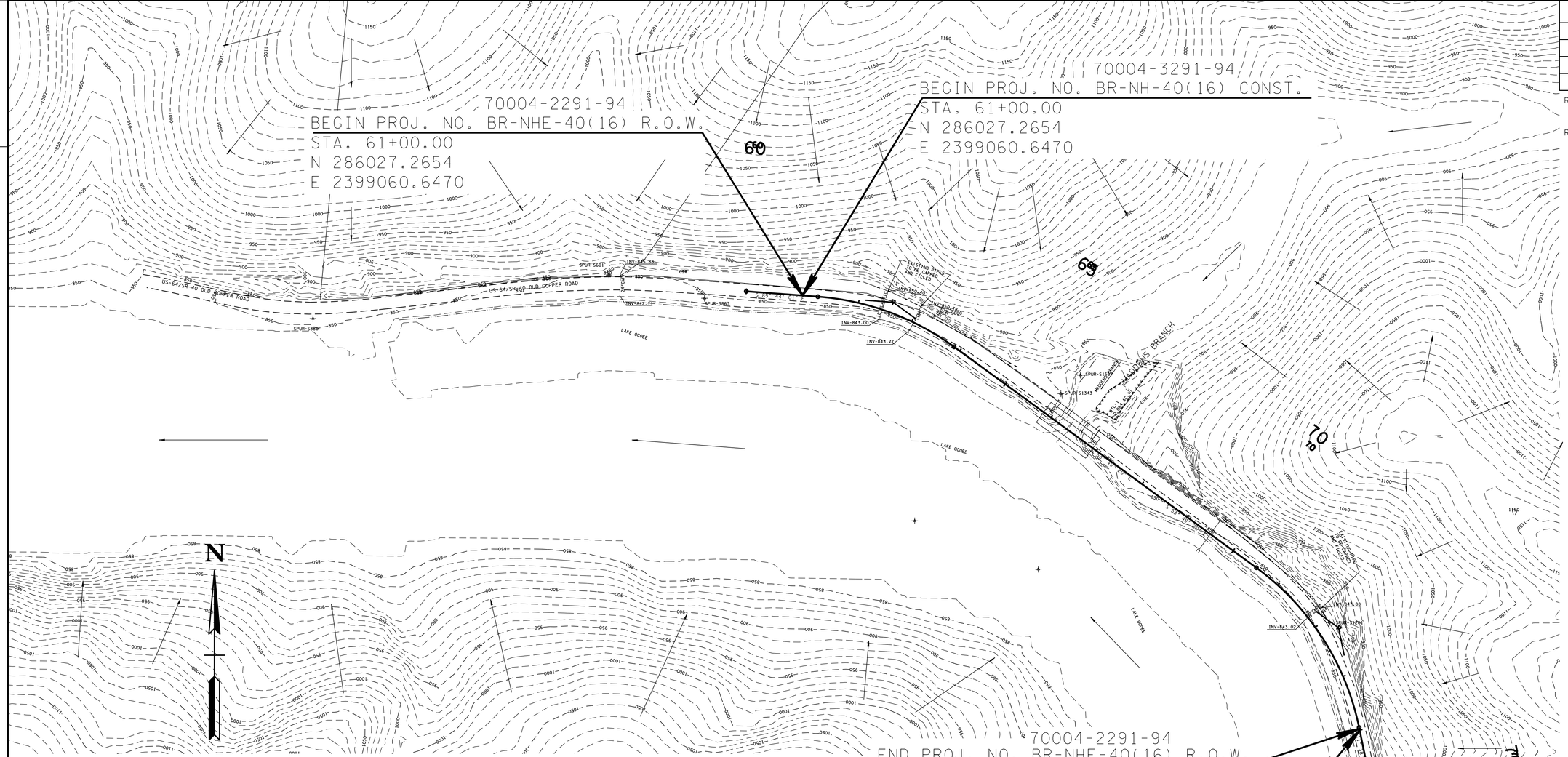
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	BR-NHE-40(16)	6
CONST.	2014	BR-NH-40(16)	6

REV. 08-27-13: ADJUSTED END R.O.W. PROJ. LIMIT

REV. 09-18-13: CORRECTED BEGIN PROJECT COORDINATES



DRAINAGE/ HYDRAULIC DATA FOR BRIDGE

STATION 65+98 **STREAM NAME** MADDENS BRANCH

STREAM BED LINING: SILT
DIRECTION OF FLOW NORTH TO SOUTH
DRAINAGE AREA 983.584 AC ; ( ) FLAT ( ) ROLLING ( ) HILLY (X) MTNS.
PRESENT STRUCTURE: SPAN 3 HEIGHT STRUCTURE CONCRETE SUPERSTRUCTURE
BEGIN STATION-OFFSET END STATION-OFFSET
LOW BEAM ELEV. 848.68 LOCATION. WEST END
INLET INVERT ELEV. OUTLET INVERT.
NORMAL WATER ELEV. 829 EXTREME HIGHWATER ELEV. 835.2 DATE. 02/16/1990
HOW OBTAINED. TVA
BACKWATER FROM WHAT STREAM (IF APPLICABLE): PARKSVILLE LAKE
EXISTING STRUCTURE CONDITION: FAIR
SEE STREAM CROSS-SECTIONS FOR VEGETATIVE COVER. SEE PRESENT LAYOUT (LEVEL 4D) FOR STREAM ALIGNMENT AND CROSS-SECTION LOCATIONS.
SEE CENTERLINE PROFILE OR FIELD BOOK FOR EXISTING BRIDGE OPENING SKETCHES.
REMARKS:

DRAINAGE DATA FOR PROPOSED PIPE
STA. 69+50.00
65' OF 36" RCP
SKEW 90°
ENDWALLS REQD. : TYPE "A"
STD. DWG. NOS. D-PE-1, D-CB-40S

D.A. = 18.76 AC.
Q50 = 37.63 CFS
Q100 = 41.57 CFS
W.S. ELEV. (50) = 848.37
W.S. ELEV. (100) = 848.53

DRAINAGE DATA FOR EXISTING PIPE

STATION 57+76.08
DIRECTION OF FLOW RIGHT
DRAINAGE AREA 8.785 AC ,( )FLAT;( )ROLLING;( )HILLY;(X)MTNS.
PRESENT STRUCTURE: 24" CMP
EXISTING STRUCTURE CONDITION:
REMARKS:

DRAINAGE DATA FOR EXISTING PIPE

STATION 63+05.22
DIRECTION OF FLOW RIGHT
DRAINAGE AREA ,( )FLAT;( )ROLLING;( )HILLY;(X)MTNS.
PRESENT STRUCTURE:
EXISTING STRUCTURE CONDITION: 18" PLASTIC
REMARKS:

DRAINAGE DATA FOR EXISTING PIPE

STATION 62+44.74
DIRECTION OF FLOW RIGHT
DRAINAGE AREA ,( )FLAT;( )ROLLING;( )HILLY;(X)MTNS.
PRESENT STRUCTURE: 18" CMP
EXISTING STRUCTURE CONDITION:
REMARKS:

DRAINAGE DATA FOR EXISTING PIPE

STATION 71+87.47
DIRECTION OF FLOW RIGHT
DRAINAGE AREA ,( )FLAT;( )ROLLING;( )HILLY;(X)MTNS.
PRESENT STRUCTURE: 26" CMP
EXISTING STRUCTURE CONDITION:
REMARKS:

SEALED BY

03/11/2014

COORDINATES ARE NAD/B3(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000025 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 61+00 TO STA. 74+00
SCALE: 1"=100'

10-MAR-2014 14:10
C:\Projects\Polk\Project Design\006.sht