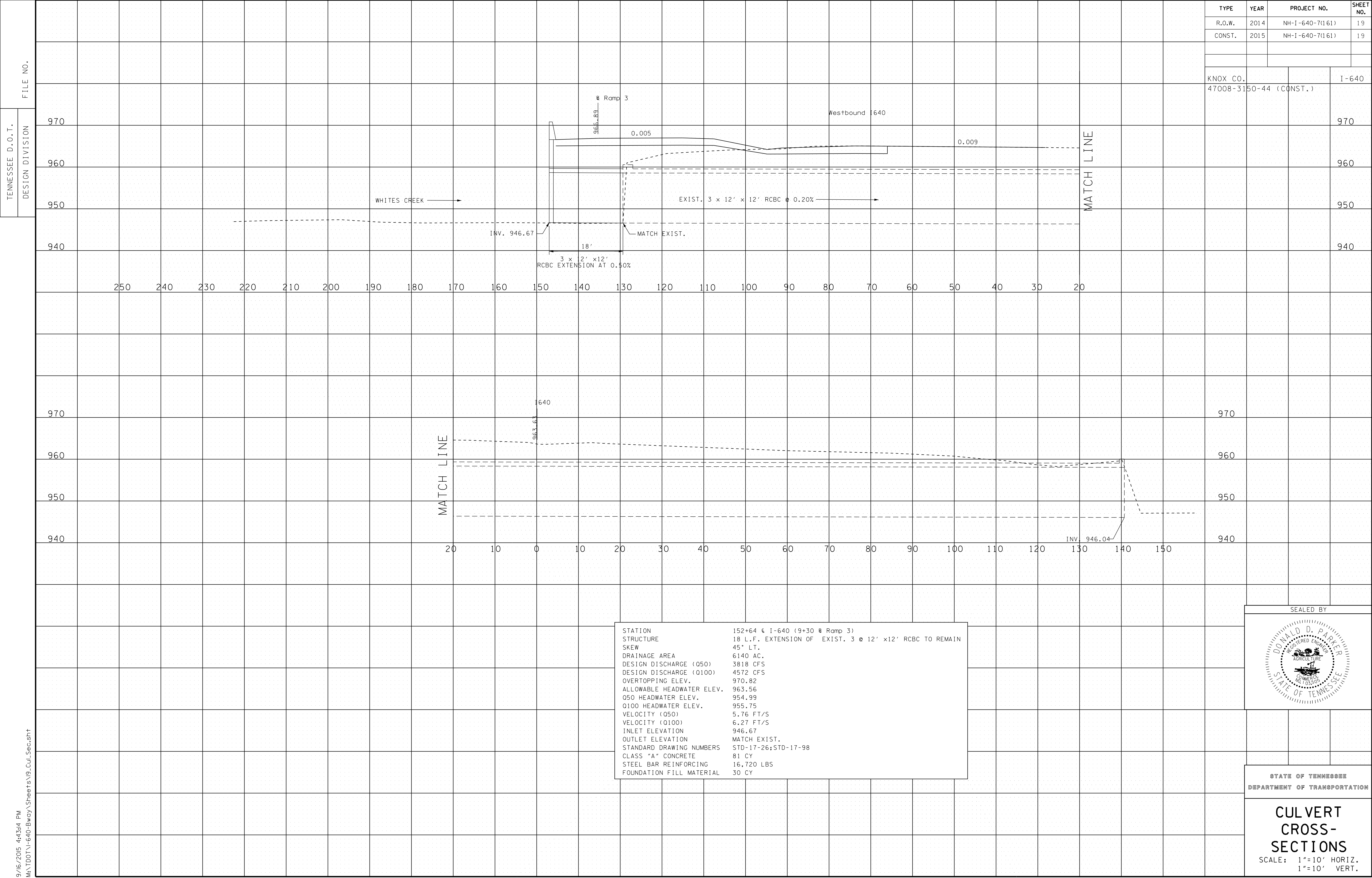




TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2014	NH-I-640-7(161)	19
CONST.	2015	NH-I-640-7(161)	19

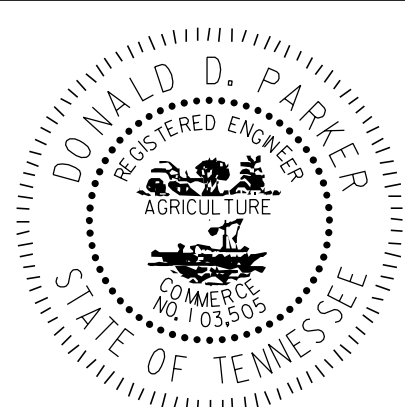
KNOX CO.	47008-3150-44 (CONST.)	I-640
----------	------------------------	-------

970		970
960		960
950		950
940		940

970		970
960		960
950		950
940		940

STATION	152+64 @ I-640 (9+30 @ Ramp 3)
STRUCTURE	18 L.F. EXTENSION OF EXIST. 3 @ 12' x12' RCBC TO REMAIN
SKIEW	45° LT.
DRAINAGE AREA	6140 AC.
DESIGN DISCHARGE (Q50)	3818 CFS
DESIGN DISCHARGE (Q100)	4572 CFS
OVERTOPPING ELEV.	970.82
ALLOWABLE HEADWATER ELEV.	963.56
Q50 HEADWATER ELEV.	954.99
Q100 HEADWATER ELEV.	955.75
VELOCITY (Q50)	5.76 FT/S
VELOCITY (Q100)	6.27 FT/S
INLET ELEVATION	946.67
OUTLET ELEVATION	MATCH EXIST.
STANDARD DRAWING NUMBERS	STD-17-26;STD-17-98
CLASS "A" CONCRETE	81 CY
STEEL BAR REINFORCING	16,720 LBS
FOUNDATION FILL MATERIAL	30 CY

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS- SECTIONS

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