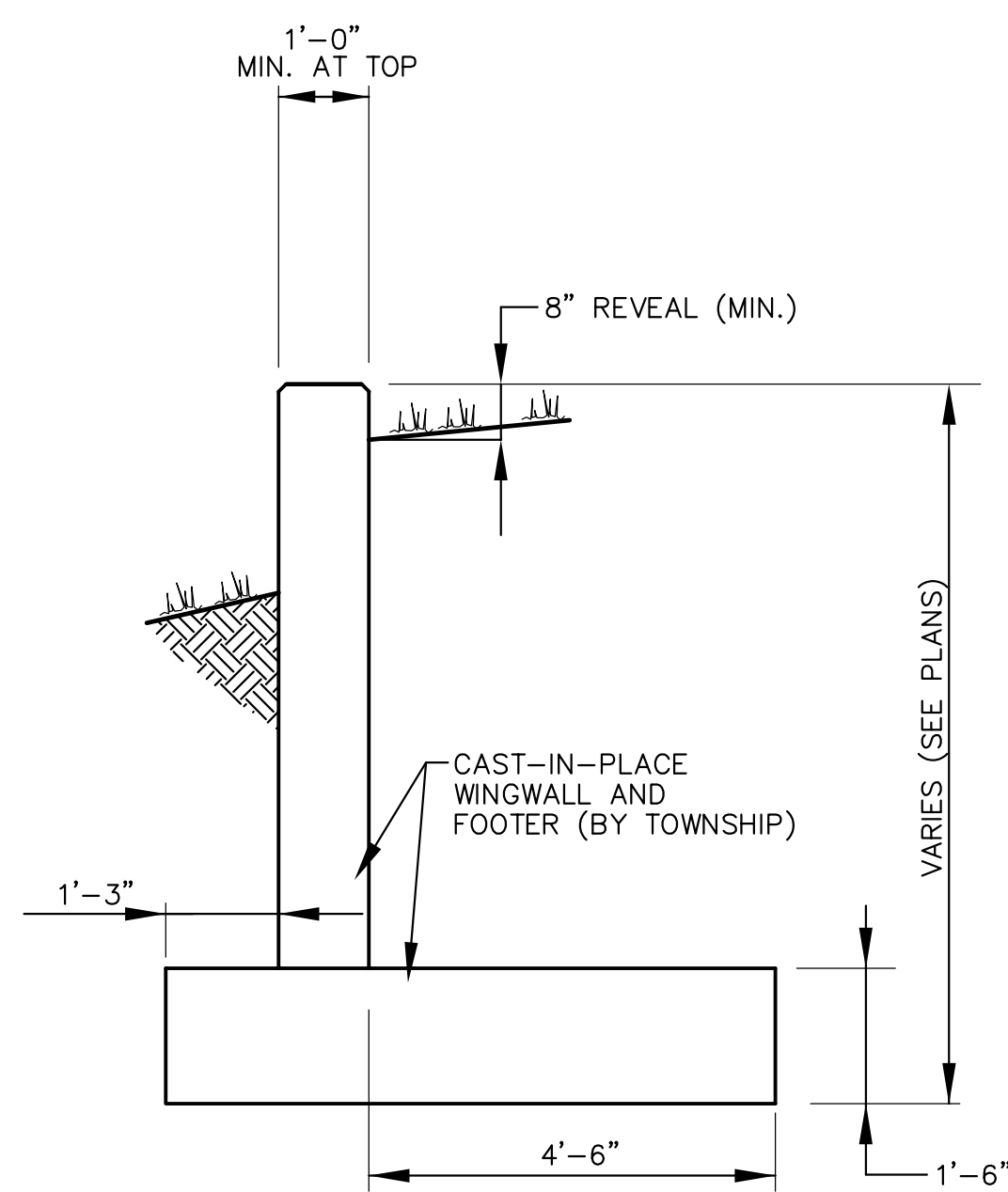


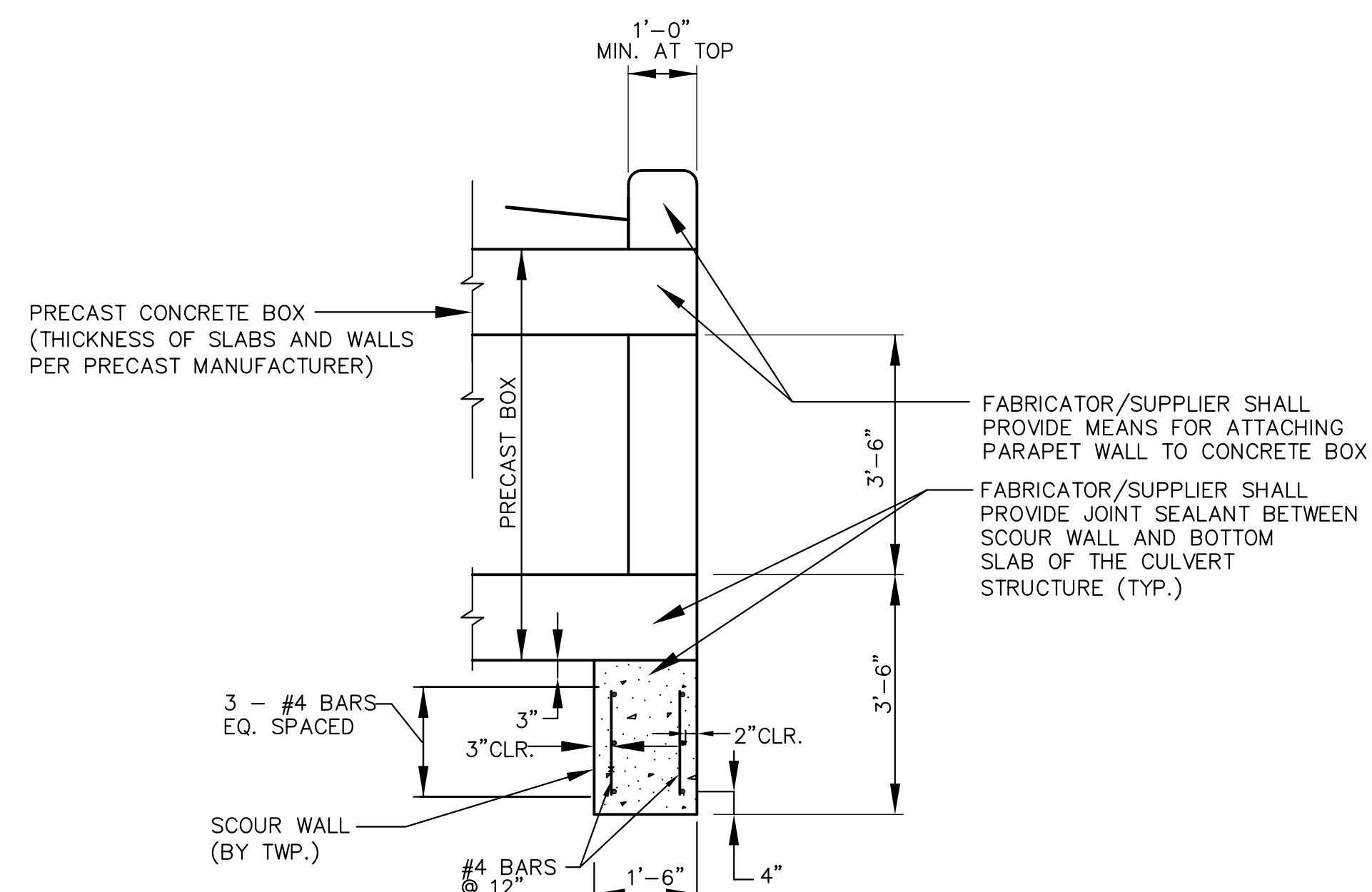
PLAN VIEW

SCALE: 1/4" = 1'-0"



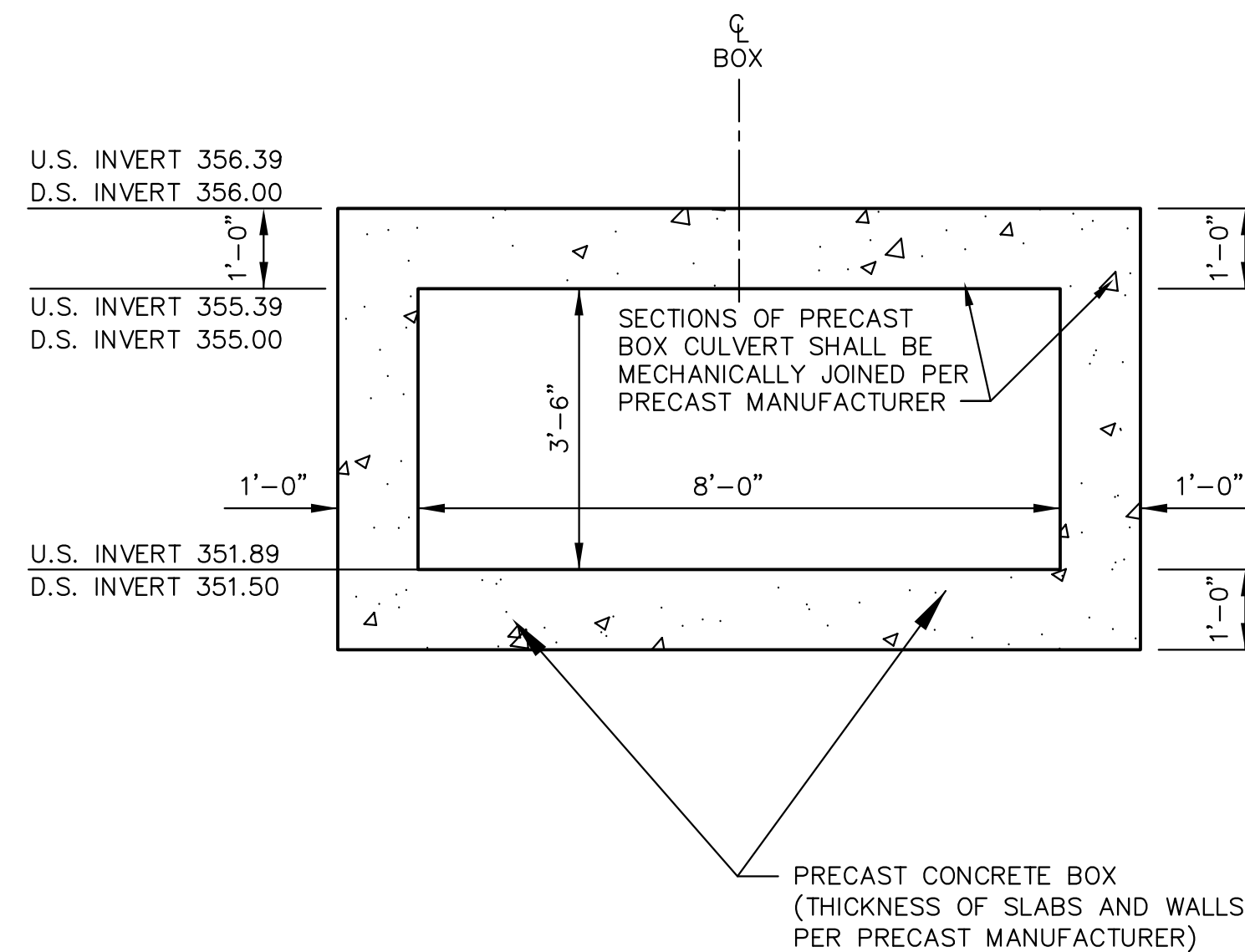
TYPICAL WINGWALL SECTION (BY TOWNSHIP)

SCALE: 1/2" = 1'-0"



THRU WALL SECTION

SCALE: 1/2" = 1'-0"



TYPICAL PRECAST BOX CULVERT SECTION

SCALE: 1/2" = 1'-0"

GENERAL NOTES:

- USE PENNDOT CLASS A CEMENT (3300 PSI-28 DAY COMPRESSIVE STRENGTH).
- CHAMFER EXPOSED CONCRETE EDGES 1"x1" EXCEPT WHERE NOTED OTHERWISE.
- PROVIDE 2" (MIN.) CONCRETE COVER ON REINFORCEMENT BARS, EXCEPT WHERE NOTED OTHERWISE.
- PROVIDE COLD JOINTS, WHERE REQUIRED, TO ACCOMMODATE THE CONSTRUCTION OF THE STRUCTURE(S).
- PROVIDE EPOXY COATED REINFORCEMENT IN CURBS AND TOP SLAB OF THE STRUCTURE (MINIMUM).
- WARWICK TOWNSHIP WILL PROVIDE JOINT WRAP FOR THE STRUCTURE, AS REQUIRED.
- FABRICATOR SHALL PROVIDE SHOP DRAWINGS AND SEALED CALCULATIONS FOR REVIEW AND APPROVAL PRIOR TO INITIATING STRUCTURE FABRICATION.
- WARWICK TOWNSHIP WILL PREPARE SITE FOR ACCEPTANCE OF THE PRECAST STRUCTURE FROM FABRICATOR.
- STRUCTURE, WING WALLS (BY TOWNSHIP), PARAPET, ETC. SHALL BE MECHANICALLY CONNECTED PER FABRICATOR.
- PRESSURE GROUT CULVERT STRUCTURES (AND WINGWALLS) WHERE APPLICABLE.
- WARWICK TOWNSHIP WILL PROVIDE WING WALL FOOTINGS BELOW FROST DEPTH OR 3'-6" MINIMUM, WHICH EVER IS GREATER.

REVISIONS PER:	DATE:	BY:
1. -	-	-
2. -	-	-
3. -	-	-
4. -	-	-
5. -	-	-

EA
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BWEW-GP-7 MINOR ROAD CROSSINGS
SUBJECT:
CULVERT DETAILS
EAST WOODS DRIVE
CULVERT REPLACEMENT
WARWICK TOWNSHIP, LANCASTER COUNTY, PA
CLIENT:
WARWICK TOWNSHIP
315 CLAY ROAD, P.O. BOX 308
LITIZ, PA 17543
(717) 627-8900

MANAGER:	B. MILLER	DATE:	JANUARY 2016
DESIGNER:	B. MILLER	PROJECT NO.:	135-462
DRAWN BY:	DHS	SCALE:	AS NOTED

DRAWING NO.
ESC-3

DRAWING: K:\135\135-462\GP-7 Plan REV 1-11-16.dwg - PLOTTED: Jan 11, 2016 8:09 am