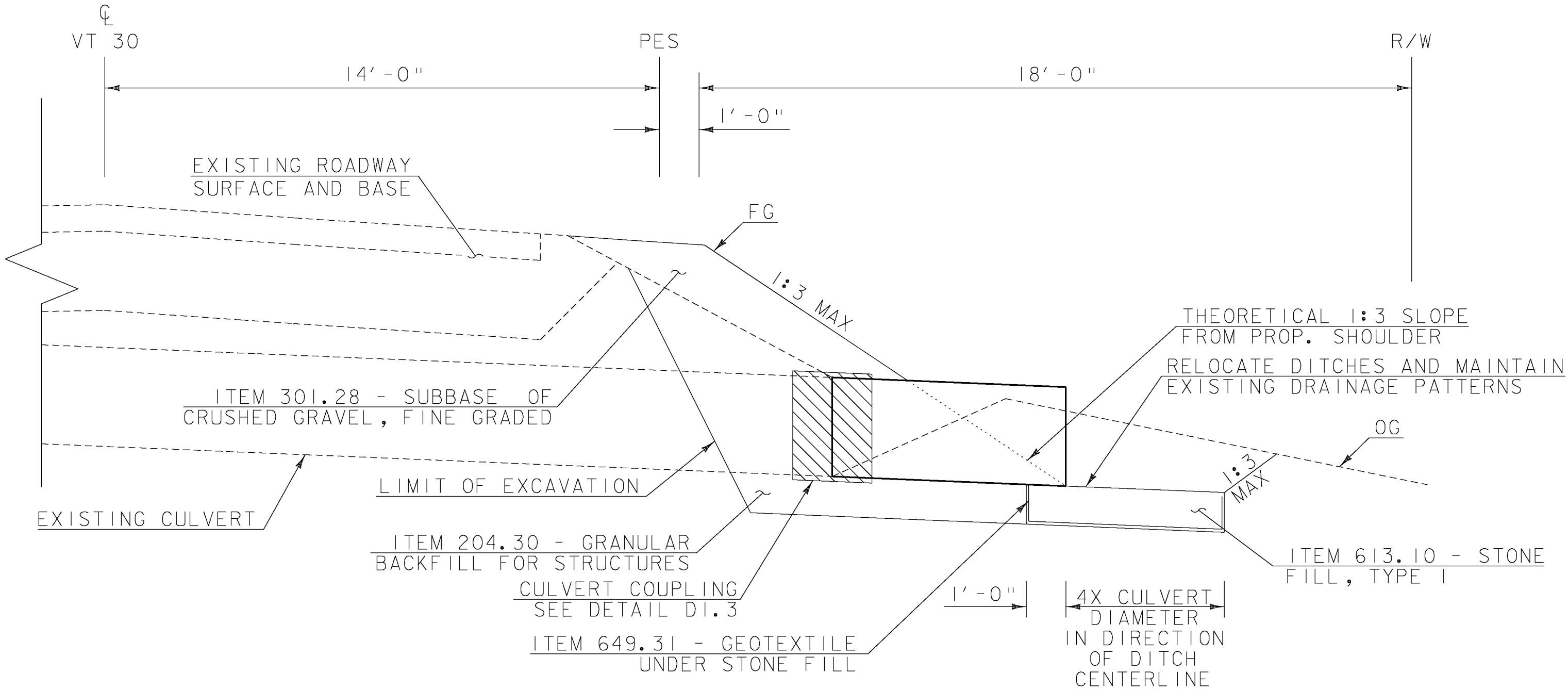


LEGEND:
 FG = FINISHED GRADE
 OG = ORIGINAL GROUND
 PES = PROPOSED EDGE OF SHOULDER
 R/W = RIGHT OF WAY
 EX. EOP = EXISTING EDGE OF PAVEMENT
 EX. EUS = EXISTING EDGE OF UNPAVED SHOULDER

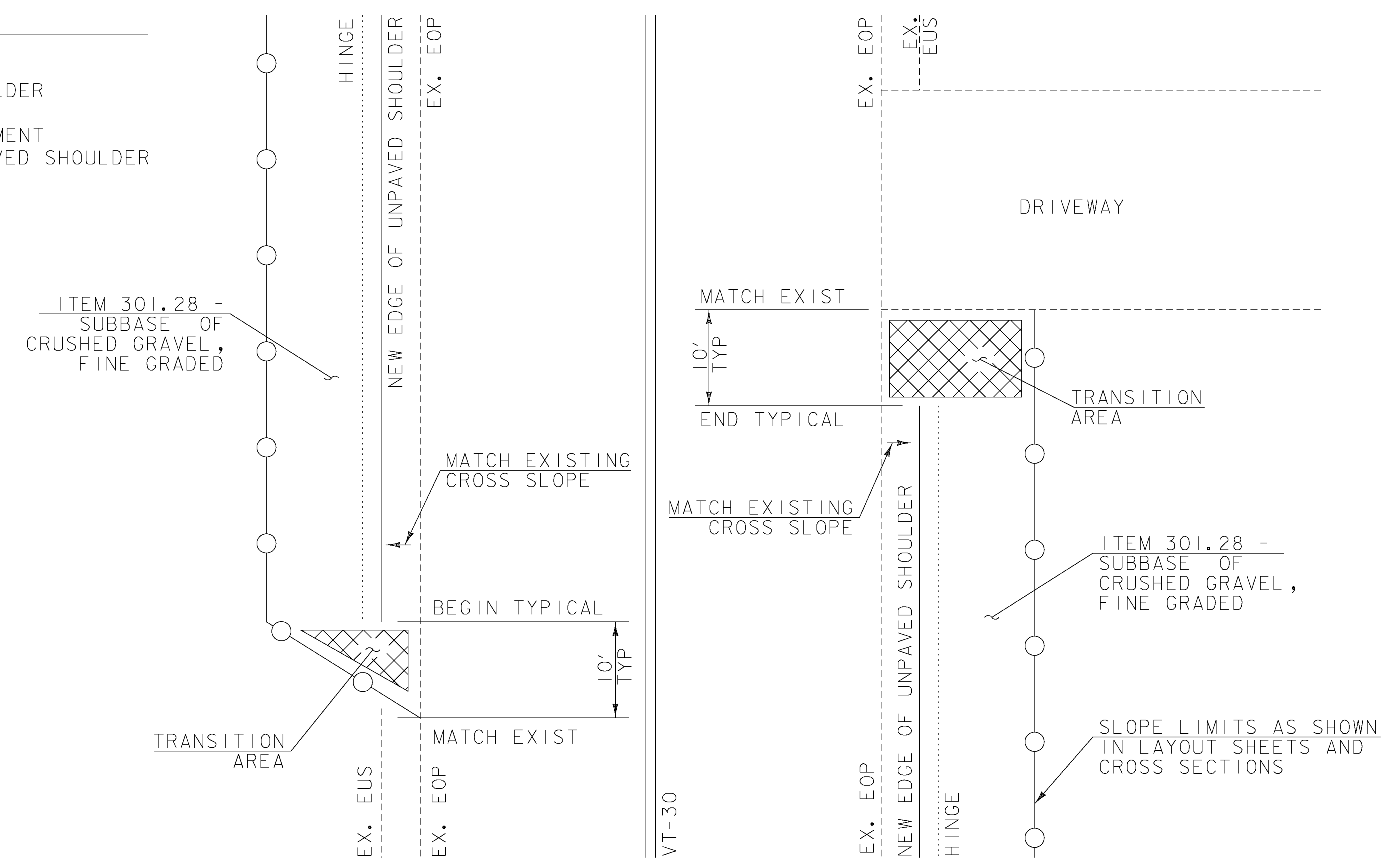


- NOTES:**
- 12" OF STONE FILL, TYPE 1 (ITEM 613.10) SHALL BE PLACED AT ALL MODIFIED CULVERT OUTLETS. WIDTH OF OUTLET PROTECTION SHALL BE TWICE THE PIPE DIAMETER.
 - REFER TO DETAIL DI.3 FOR CULVERT COUPLING INSTALLATION.
 - EXCAVATION WITHIN LIMITS SHOWN FOR PIPE EXTENSION WILL BE PAID UNDER CONTRACT ITEM 204.20. BACKFILL MATERIAL WILL BE PAID UNDER CONTRACT ITEM 204.30.

CULVERT EXTENSION INSTALLATION - 1:3 SLOPE OR FLATTER

NOT TO SCALE

DI.1

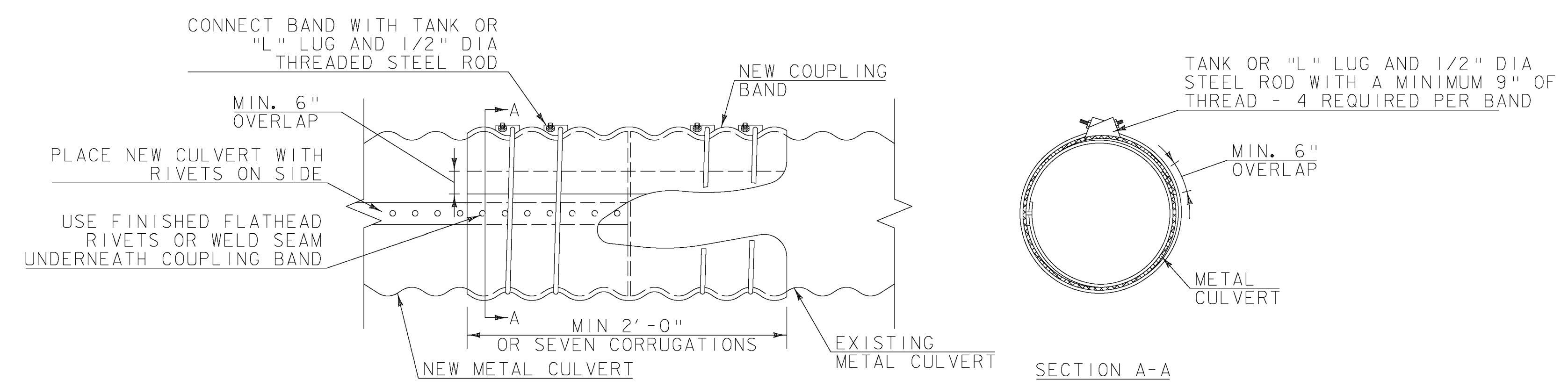


- NOTES:**
- CROSS SLOPE OF TRANSITION AREA WILL VARY FROM THE EXISTING GRADE AT THE MATCH AREA TO THE EXISTING CROSS SLOPE OF VT-30.
 - EXTEND THE TRANSITION AREA AS NEEDED SUCH THAT THE LONGITUDINAL SLOPE SHALL NOT EXCEED 10%.

TRANSITION AREAS

NOT TO SCALE

DI.2



TYPICAL METAL CULVERT COUPLING

NOT TO SCALE

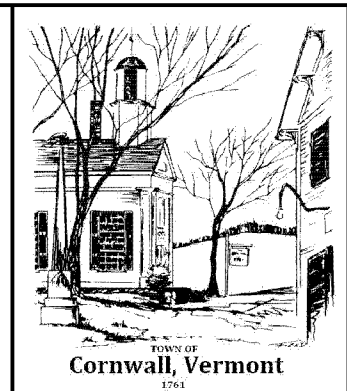
- NOTES:**
- NEW CULVERT EXTENSIONS SHALL BE OF THE SAME MATERIAL, INSIDE DIAMETER, AND CORRUGATION PATTERN AS EXISTING CULVERT.
 - ALL EXISTING CRUSHED CULVERT ENDS SHALL BE CLEANLY CUT BACK TO AN ACCEPTABLE CONDITION AS DETERMINED BY THE ENGINEER. PAYMENT WILL BE CONSIDERED INCIDENTAL TO THE NEW PIPE ITEM.
 - CLEANLY CUT EXISTING CULVERT ENDS TO ENSURE THE CULVERT CORRUGATION PATTERN IS CONTINUOUS BETWEEN NEW AND EXISTING CULVERTS WITH A MAXIMUM GAP BETWEEN CULVERTS OF 1".
 - REFER TO DETAIL DI.1 FOR CULVERT EXTENSION INSTALLATION.
 - ALTERNATIVE CULVERT COUPLING METHODS MAY BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.

DI.3

DATUM
 VERTICAL NAVD 88
 HORIZONTAL NAD 83

NO.	DATE	REVISIONS	BY	CK'D

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PROJECT NAME: CORNWALL - MIDDLEBURY
 PROJECT NUMBER: STP EH08(13)
 FILE NAME: Z08F122BDR DET.DGN
 PROJECT LEADER: MS
 DESIGNED BY: CM
 DETAIL SHEET 1
 PLOT DATE: 06/09/2010
 DRAWN BY: CM
 CHECKED BY: MS
 SHEET 57 OF 133