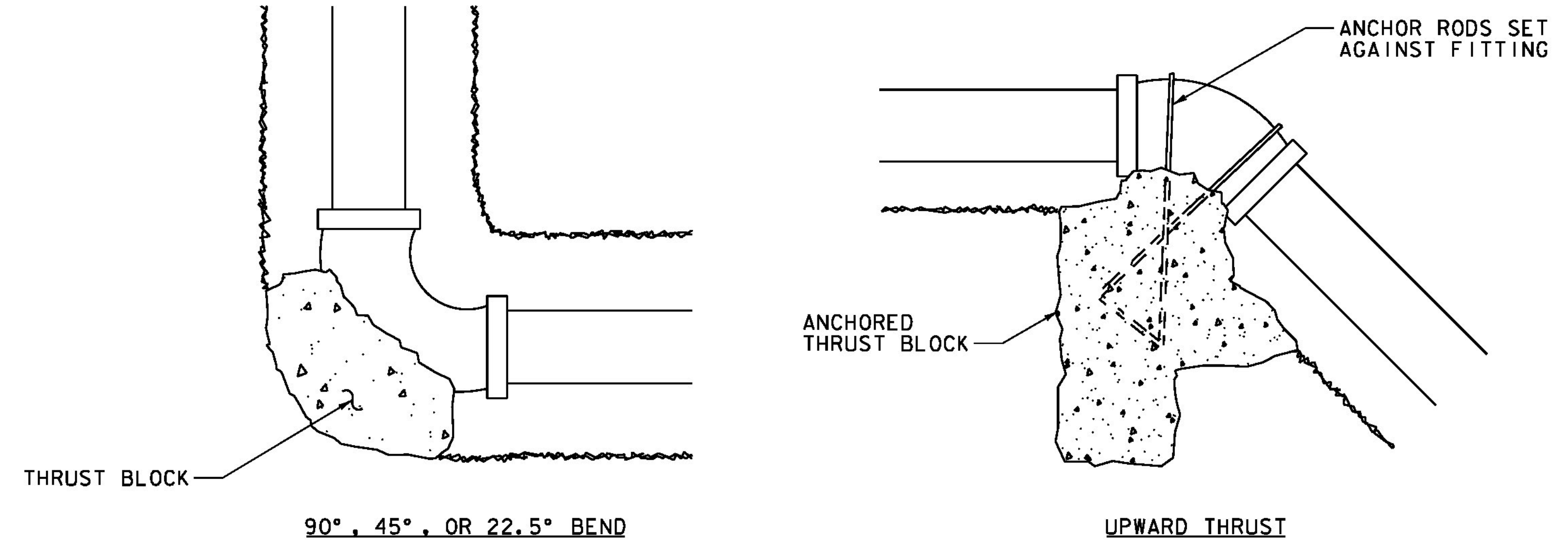


WATERLINE NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE VERMONT AGENCY OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2011, AND ITS LATEST REVISIONS.
2. EXISTING UTILITIES ARE APPROXIMATE ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND IDENTIFY ANY CONFLICTS PRIOR TO PLACEMENT OF THE PIPE. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES. THE CONTRACTOR SHALL CONTACT "DIG SAFE" AT 811, PRIOR TO ANY CONSTRUCTION.
3. THE CONTRACTOR SHALL COORDINATE WITH THE TOWN OF LUDLOW FOR ALL WATERLINE EXCAVATIONS AND WATERLINE WORK.
4. THE WATERLINE WILL BE DEACTIVATED WITHIN THE LIMITS OF WORK DURING CONSTRUCTION AND A TEMPORARY WATERLINE IS NOT REQUIRED.
5. TESTING SHALL INCLUDE BUT NOT BE LIMITED TO CHLORINATION AND PRESSURE TESTING OF THE NEW SEGMENT OF WATERLINE PRIOR TO FINAL CONNECTION OF THE SYSTEM. TESTING SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.
6. PROVIDE RESTRAINED JOINTS AND CONCRETE THRUST BLOCKS AT ALL BENDS IN THE WATERLINE, 22.5 DEGREES AND GREATER. REFER TO THRUST BLOCK REQUIREMENTS. IN LOCATIONS WHERE THE THRUST IS VERTICALLY UPWARD, THE THRUST BLOCK SHALL BE ANCHORED TO THE FITTING WITH ANCHOR RODS OR APPROVED OTHER. PLACE POLYETHYLENE SHEETING BETWEEN ALL CONCRETE THRUST BLOCKS AND FITTINGS TO PREVENT BOND.

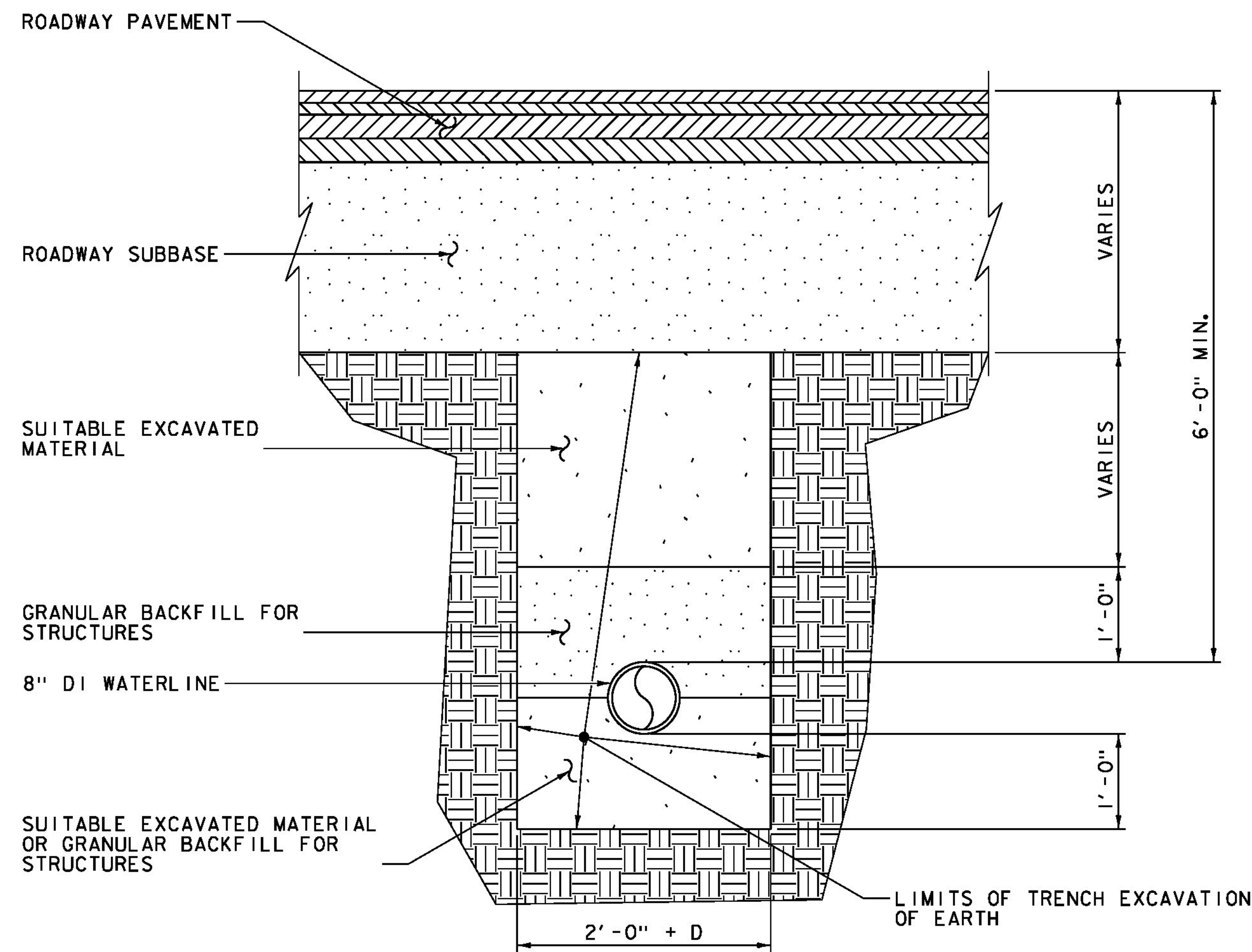


THRUST BLOCK DETAILS

NOT TO SCALE

	SOFT WET CLAY, SAND OR SILT (1000 PSF)	DRY SAND (3000 PSF)	COMPACT SAND, COARSE GRAVEL OR HARDPAN (5000 PSF)
CAP OR TEE	20 SF	7 SF	4 SF
90° BEND	27 SF	9 SF	6 SF
45° BEND	15 SF	5 SF	3 SF
22.5° BEND	8 SF	3 SF	2 SF

AREA OF BEARING ON FACE OF CONCRETE THRUST BLOCKS
(IN SQUARE FEET)



WATERLINE TRENCH DETAIL

NOT TO SCALE



PROJECT NAME: LUDLOW	PLOT DATE: 8/23/2016
PROJECT NUMBER: BRF 025-(42)	DRAWN BY: R.H. BARNES
FILE NAME: z10J068wat.dgn	CHECKED BY: A.P. GUYETTE
PROJECT LEADER: A.P. GUYETTE	DESIGNED BY: R.H. BARNES
WATERLINE NOTES AND DETAILS	SHEET 27 OF 73