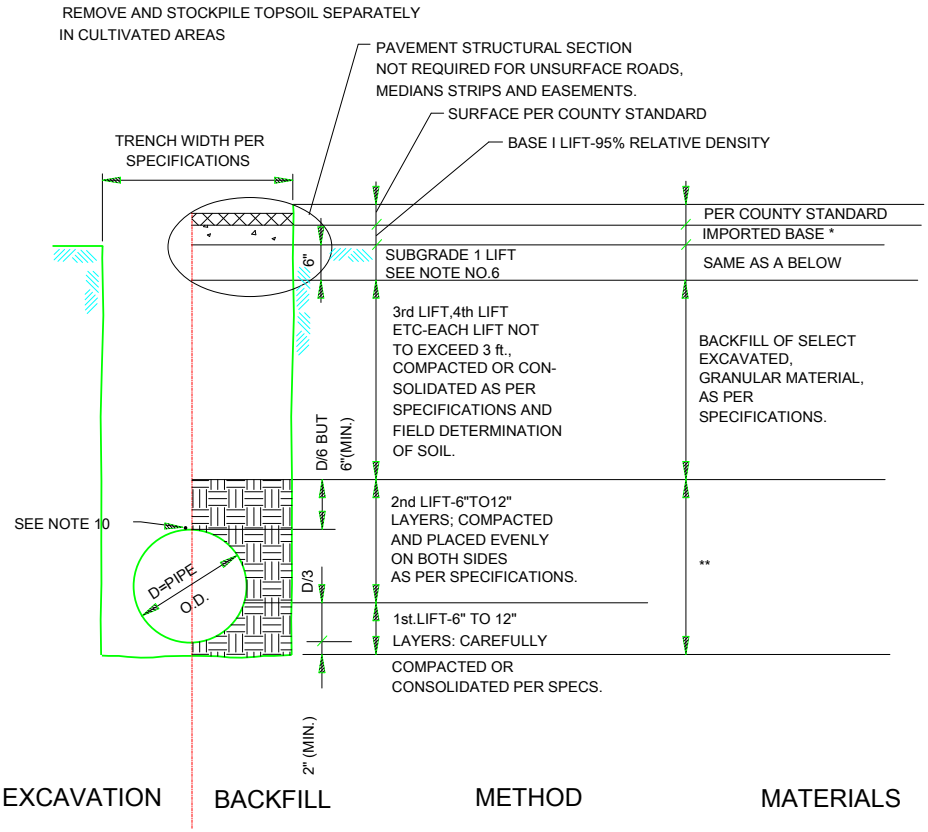

TYPICAL TRENCH SECTION DETAIL

*IMPORTED MATERIAL TO BE EQUAL OR GREATER IN QUALITY TO EXISTING MATERIALS (SEE NOTE NO. 9)

⊙ STEEL PIPE 3" MAX.

** COHESIONLESS, GRANULAR IMPORTED OR SELECT EXCAVATED MATERIAL, FREE FROM ROCKS OR LUMPS LARGER THAN 3/4" MAX. DIMENSION,WITHIN 6" OF PIPE; AND FREE FROM POCKETS; ALL AS PER SPECIFICATIONS. ⊙

NOTES:

1. CONTRACTOR SHALL DETERMINE DEPTH AND LOCATION OF UNDERGROUND FACILITIES PRIOR TO TRENCHING.
2. ALL EXCAVATION, BACKFILL, DISPOSAL OF WASTE, AND OPERATIONS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.
3. CONTRACTOR SHALL REMOVE & DISPOSE OF MATERIALS & OBSTRUCTIONS WHICH MAY INTERFERE WITH WORK.
4. OPEN TRENCH AT ANY ONE TIME SHALL BE LIMITED TO 500 FT. ALONG ROADS RIGHTS-OF-WAY & 1/2 MILE IN FIELDS, UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEER.
5. PIPE SHALL BE HANDLED SO AS TO PROTECT THE PIPE, JOINTS, LINING & COATING, & CAREFULLY BEDDED SO TO PROVIDE CONTINUOUS BEARING & PREVENT UNEVEN SETTLEMENT. PIPE SHALL BE PROTECTED AGAINST FLOTATION AT ALL TIMES.
6. BACKFILL ALONG ROAD RIGHT-OF-WAY SHALL BE COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS, TO A RELATIVE DENSITY OF NOT LESS THAN 90% OR EQUIVALENT TO THE SURROUNDING GROUND, WHICHEVER IS GREATER.
7. MINIMUM COVER OVER PIPE (INCLUDING H-20 LOAD) SHALL BE 3FT. OR 3FT. ABOVE THE LINE VALVE BODY, OR 1FT. ABOVE THE VALVE OPRATING NUT; WHICHEVER OF THE ABOVE REQUIRES THE GREATEST PIPE COVER.
8. MAXIMUM COVER OVER PIPE (INCLUDING H-20 LOAD) TO BE 9FT. UNLESS OTHERWISE SHOWN ON THE PLANS.
9. EXCAVATIONS AND RESURFACING WITHIN COUNTY OR CITY RIGHT-OF-WAY MUST MEET OR EXCEED THEIR MINIMUM REQUIREMENTS.
10. FOR NON-METALLIC PIPELINE, LOCATER WIRE (14GA. SOLID COPPER WIRE, UF) TO BE PLACED ON TOP OF PIPE AND SECURED WITH TAPE. WIRE TO BE BROUGHT TO SURFACE IN EACH VALVE CAN.

	APPROVED DATE: January 1, 2011 DIRECTOR OF ENGINEERING	STANDARD DRAWING EXCAVATION AND BACKFILL DETAILS	STD. DWG. NO. W-1550