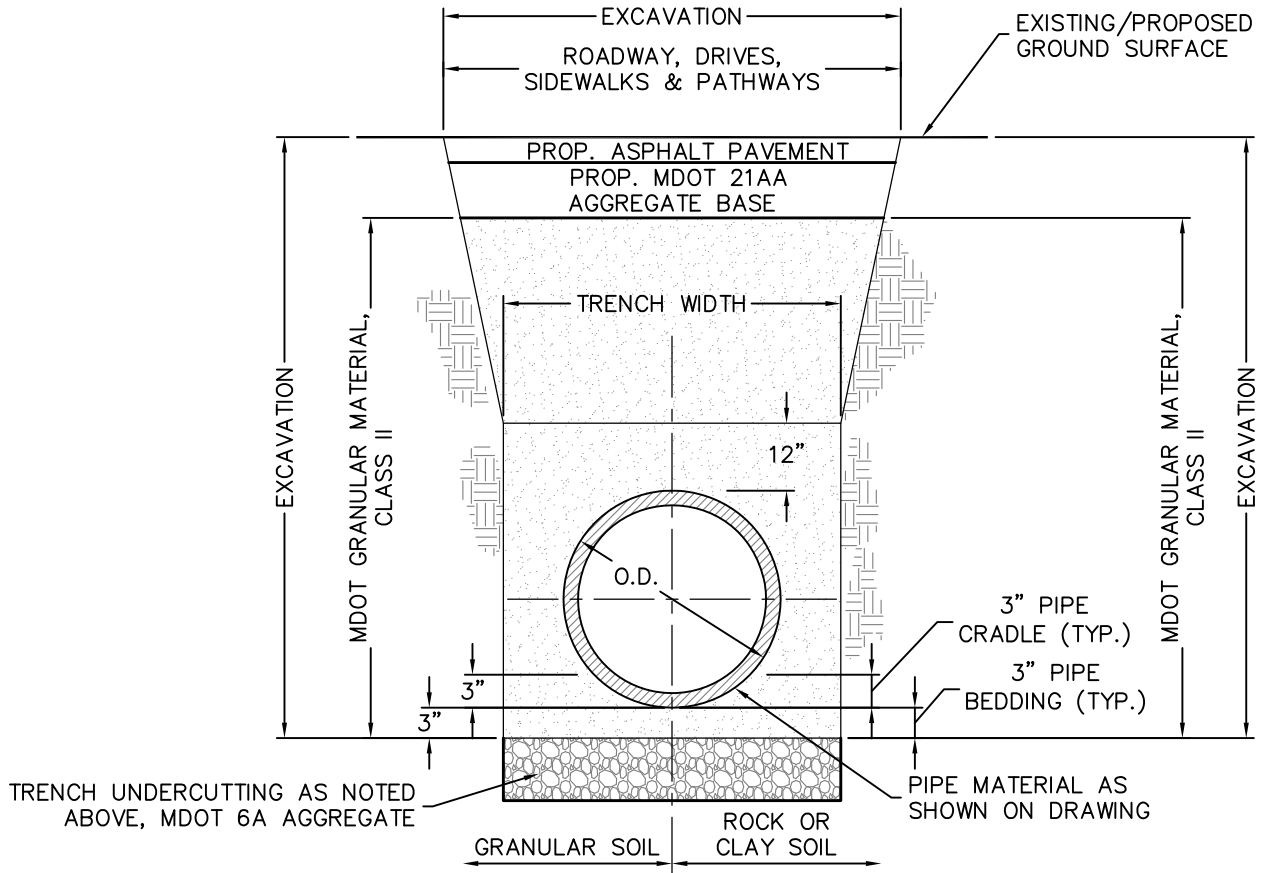


TRENCH UNDERCUTTING:

WHEN ENCOUNTERING UNSTABLE OR UNSUITABLE MATERIAL BELOW THE PLAN TRENCH GRADE THE CONTRACTOR SHALL REMOVE THE MATERIAL TO A DEPTH AS REQUIRED TO PROVIDE A STABLE BASE FOR PIPE INSTALLATION. MDT 6A STONE SHALL BE PLACED TO A MINIMUM OF 3" BELOW THE PIPE. IF GROUND WATER PREVENTS THE PLACEMENT AND COMPACTION OF GRANULAR MATERIAL (MDOT CLASS II SAND), THE CONTRACTOR SHALL USE MDT 6A STONE FOR PIPE BEDDING, PIPE CRADLE, AND BACKFILL MATERIAL TO AN ELEVATION WHICH WILL ALLOW PROPER PLACEMENT AND COMPACTION OF GRANULAR MATERIAL AS REQUIRED TO COMPLETE THE BACKFILLING PROCESS. FOR ADDITIONAL REQUIREMENTS, REFER TO THE CITY OF EAST LANSING STANDARD SPECIFICATIONS FOR CONSTRUCTION, SECTION: SEWER CONSTRUCTION SPECIFICATIONS.

MAXIMUM TRENCH WIDTH TABLE	
INTERNAL PIPE DIA.	MAX. TRENCH WIDTH
LESS THAN 18"	30"
18" TO 24"	PIPE O.D. PLUS 18"
24" AND LARGER	PIPE O.D. PLUS 24"

BELOW A POINT 12" ABOVE THE TOP OF THE PIPE, THE TRENCH WIDTH SHALL PROVIDE A CLEARANCE OF NOT LESS THAN 6" BETWEEN THE PIPE SIDE WALL AND THE TRENCH SIDE WALL. TRENCH WIDTH SHALL NOT EXCEED THOSE SHOWN IN THE "MAXIMUM TRENCH WIDTH TABLE".



UTILITY TRENCH EXCAVATION & BACKFILL
UNDER ROADWAYS

© 2014 CITY OF EAST LANSING	CITY OF EAST LANSING DEPARTMENT OF ENGINEERING 410 ABBOT ROAD EAST LANSING, MI 48823 (517) 337-9459 FAX: (517) 337-3943			PROJECT STANDARD DETAILS	REVISION ENG. REVIEW
	SHEET NAME UTILITY TRENCH EXCAVATION & BACKFILL			DATE 03/01/16	
	DRAWN CJM	CHECKED RFS		APPROVED RFS	SCALE NONE
	DATE 02/20/14	DATE 03/14/14		DATE 03/14/14	SHEET NO. 1 OF 2

