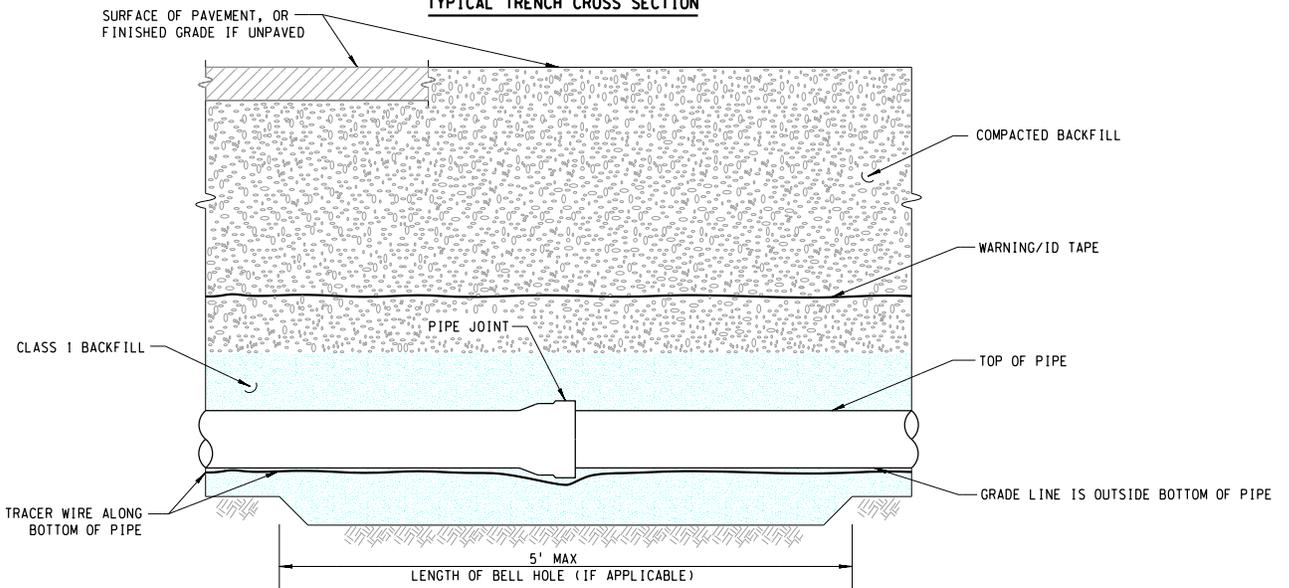


TYPICAL TRENCH CROSS SECTION



TYPICAL TRENCH LONGITUDINAL SECTION AT PIPE JOINT

NOTES

1. CONFORM TO ALL SAFETY STANDARDS, ORDERS, RULES AND REGULATIONS OF CAL-OSHA AND OTHER AGENCIES HAVING JURISDICTION.
2. THE WIDTH OF THE TRENCH AT THE TOP OF THE PIPE SHALL NOT EXCEED:
 - o 16" IN DIAMETER AND SMALLER - THE OUTSIDE DIAMETER OF THE PIPE PLUS 24"
 - o 20" IN DIAMETER AND LARGER - TWO TIMES THE OUTSIDE DIAMETER OF THE PIPE
3. FOR BACKFILL AND COMPACTION REQUIREMENTS, SEE SPEC SECTION 31 23 33P.
4. FOR MAIN BREAK REPAIR, AGGREGATE BASE MAY BE USED IN LIEU OF THE BACKFILL AND THE CLASS 1 BACKFILL.
5. CONTROLLED LOW STRENGTH MATERIAL MAY BE USED AS AN ALTERNATIVE BACKFILL MATERIAL ABOVE PIPE BEDDING, WHERE PERMITTED. SEE SPEC SECTION 31 23 23.34P FOR ADDITIONAL REQUIREMENTS.
6. WARNING/IDENTIFICATION TAPE SHALL BE NON-DETECTABLE 3" BLUE TAPE, BLACK-IMPRINTED WITH "CAUTION - BURIED LINE BELOW" SHALL BE INSTALLED ALONG THE LINE OF WATER MAIN PIPE INSTALLED IN GROUND OUTSIDE BUILDINGS. INSTALL TAPE APPROXIMATELY 1 FOOT ABOVE AND ALONG THE CENTERLINE OF THE PIPE. IF THE TAPE IS NOT CONTINUOUS, THE TAPE ENDS SHALL BE OVERLAPPED BY 2 FEET.
7. TRACER WIRE (AWG NO. 12 TW OR THHN) SHALL BE INSTALLED BELOW ALL NON-METALLIC OR NON-ELECTRICALLY CONTINUOUS PIPE, SEE STD DWGS 288-EA AND 288-EA-1.
8. IF CLEAN UTILITY CORRIDOR (CUC) IS REQUIRED, SEE STD DWG 9950-CB.

						DESIGNED BY EBMUD		EAST BAY MUNICIPAL UTILITY DISTRICT OAKLAND, CALIFORNIA	
						DESIGN CHECKED BY EBMUD			
						DRAWN BY EBMUD		STANDARD DRAWING	
						REVIEW		PIPE TRENCH EXCAVATION AND BACKFILL	
						SENIOR CIVIL ENGINEER R.P.E. NO. C 27714			
						RECOMMENDED		1992-A	
						MGR OF DESIGN R.P.E. NO. C 16814			
						ASS. CH. ENG. FOR DES.&CONST R.P.E. NO. C 29111		STRUCTURE OR ZONE DESIGNATION ALL	
								D.M. DIEMER	
						APPROVED		DATE 23 FEB 1989	
						CHIEF ENGINEER R.P.E. NO. C 26724			
NO	DATE	REVISION	BY	REC	APP				
3	12 AUG 2022	REVISED AND REDRAWN	PP	DSL	ca				
2	30 JUN 2008	REVISED	JH	ST	AST				
1	17 MAY 1993	REVISED	CAD	WB	WB				