

HORIZONTAL CLEARANCE	
BEHIND GUARDRAIL POSTS	60"
FOUNDATIONS	36"
OUTSIDE EDGE OF PAVED SHOULDER	60"
BACK OF CURB	24"
CONCRETE BARRIERS	36"
RETAINING WALLS	36"
PARALLEL UTILITY RUNS*	24"
CENTERLINE OF DITCH	36"

VERTICAL CLEARANCE	
BELOW ROAD AND SHOULDER SURFACE	72"
OVER/UNDER CULVERTS	12"
UTILITY CROSSINGS	24"
BOTTOM OF CONCRETE STRUCTURE	120"
BELOW STREAM OR CREEK	120"
BELOW SURFACE GRADE AT GUARDRAIL POSTS	84"

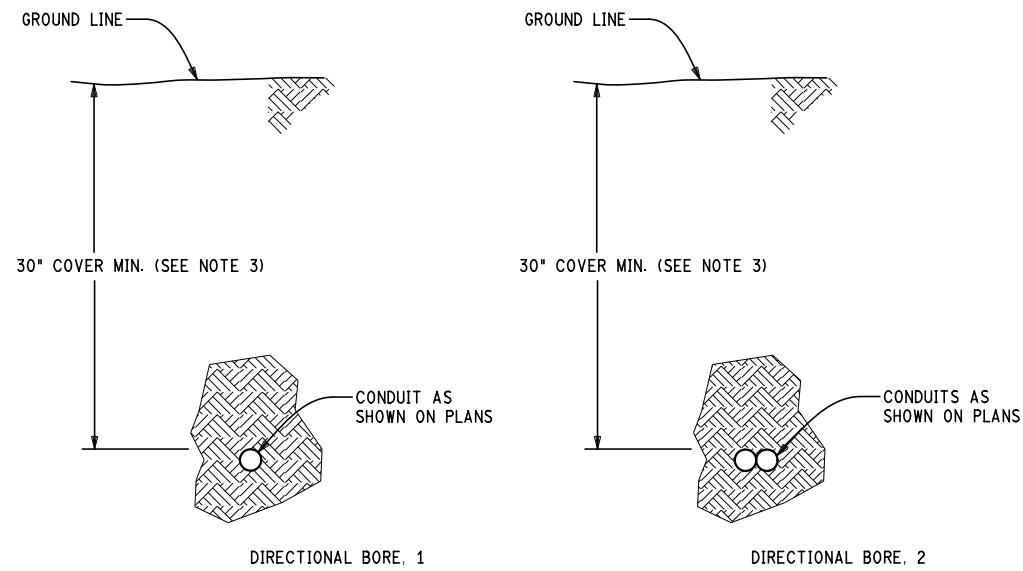
MINIMUM HORIZONTAL CONDUIT CLEARANCES

ALL CONDUIT INSTALLATION TO FOLLOW THESE MINIMUMS UNLESS OTHERWISE NOTED IN THE PLANS OR REQUIRED BY LOCAL UTILITIES. HORIZONTAL CLEARANCE IS MEASURED TO NEAREST EDGE OF CONDUIT.

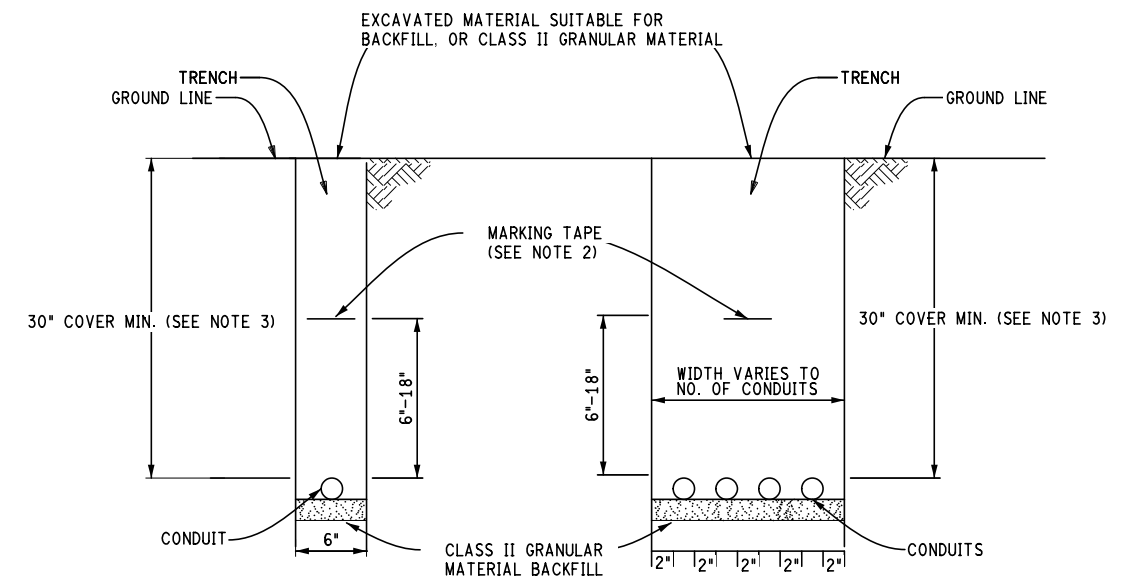
*VERTICAL CLEARANCE OF 2' WILL BE ALLOWED IN PLACE OF HORIZONTAL CLEARANCE.

MINIMUM VERTICAL CONDUIT CLEARANCES

ALL CONDUIT INSTALLATION TO FOLLOW THESE MINIMUMS UNLESS OTHERWISE NOTED IN THE PLANS OR REQUIRED BY LOCAL UTILITIES. VERTICAL CLEARANCE IS MEASURED TO NEAREST EDGE OF CONDUIT.



DIRECTIONAL DRILLED, JACK-BORED, AND PLOWED-IN CONDUIT INSTALLATION



DIRECT BURIAL CONDUIT/CABLE INSTALLATION

NOTES:

1. CONDUIT INSTALLATION LOCATION AND METHOD ARE SUBJECT TO ENGINEER APPROVAL PRIOR TO BEGINNING WORK.
2. MARKING TAPE SHALL HAVE PROPER LOGO AS SUPPLIED BY THE ENGINEER AND INSTALLED BY THE CONTRACTOR
3. THE MINIMUM COVER IS 30 INCHES. IN ADDITION, ALL CONDUIT INSTALLATION IS TO FOLLOW THE MINIMUM CONDUIT CLEARANCE TABLES UNLESS OTHERWISE NOTED IN THE PLANS OR IF ADDITIONAL CLEARANCE IS REQUIRED BY LOCAL UTILITIES.

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)									NO SCALE	DATE:	CS:	CONDUIT INSTALLATION		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION			PRINT DATE: 02/28/2019	DESIGN UNIT:	JN:			
										FILE: Conduit_Install- 2-28-2019_ITS072A	TSC:			SHEET 1 OF 1	