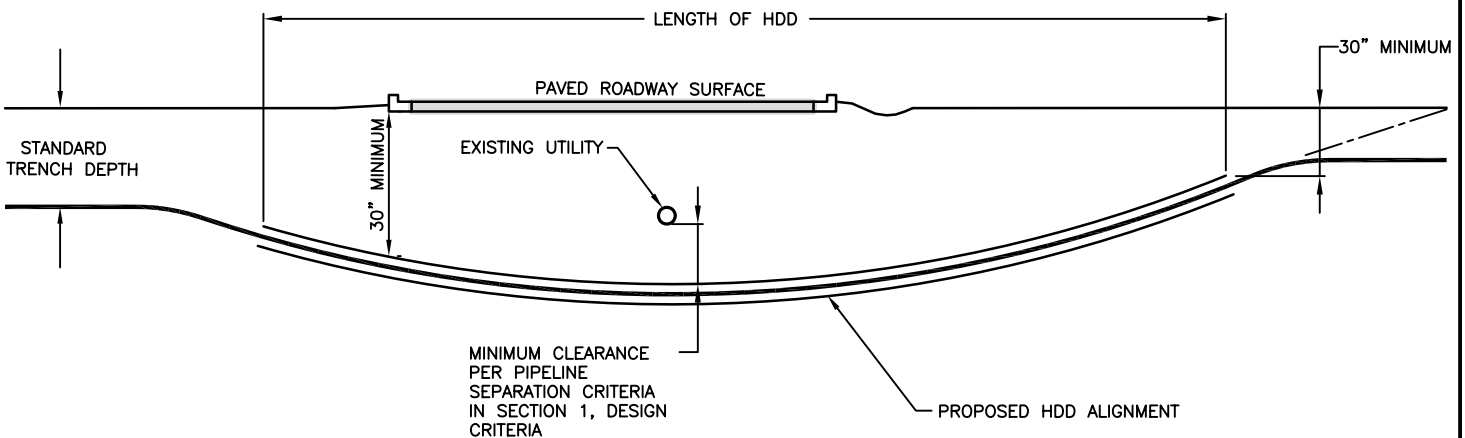


PLAN  
HORIZONTAL MINIMUM CLEARANCES



PROFILE  
VERTICAL MINIMUM CLEARANCES

HDD INSTALLATION NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH SECTIONS 1 AND 099723 OF THE COLLIER COUNTY UTILITIES STANDARDS MANUAL.
2. ALL HDD INSTALLATION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE FLORIDA D.O.T. UTILITY ACCOMMODATIONS MANUAL AND THE COLLIER COUNTY UTILITIES STANDARDS AND PROCEDURES ORDINANCE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF AFFECTED AGENCIES AND COORDINATION WITH ALL UTILITIES PRIOR TO CONSTRUCTION.
4. ALL CONSTRUCTION MATERIALS, INCLUDING DRILLING FLUID, SHALL BE REMOVED FROM THE SITE PRIOR TO RESTORATION OF DISTURBED AREAS.
5. ALL RESTORATION WORK SHALL BE IN ACCORDANCE WITH THE COLLIER COUNTY UTILITIES STANDARD MANUAL.
6. EXCAVATIONS SHALL BE RESTORED IN ACCORDANCE WITH THE COLLIER COUNTY UTILITIES STANDARD MANUAL AND STANDARD DETAILS FOR TRENCH RESTORATION.
7. CASING DIAMETER SHALL BE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.
8. NO SPACERS REQUIRED.
9. ALLOW 40' BETWEEN VALVE AND END OF CASING. DISTANCE LESS THAN 40' REQUIRES APPROVAL OF DEVIATION. THE 40' LENGTH SHALL NOT INCLUDE BRANCHES/TEES IN THE PIPING BETWEEN VALVE AND END OF CASING.
10. VALVES AT EACH END OF THE HDD AND CASING FOR THE HDD ARE REQUIRED FOR NUMBERED COUNTY ROADS, STATE ROADS AND AT INTERSECTIONS WITH NUMBERED COUNTY ROADS AND STATE ROADS.

TYPICAL HORIZONTAL DIRECTIONAL DRILL (HDD)  
UNDER A ROADWAY

NTS

G-8

REVISED: AUGUST 2008