MIN. TRENCH WIDTH (SEE TABLE)
4" FOR 12"-24" PIPE
6" FOR 30"-60" PIPE

MIN. COVER TO RIGID PAVEMENT, H
MIN. COVER TO FLEXIBLE PAVEMENT, H

PIPE DIAM. MIN. TRENCH WIDTH
8" 10" 6" 4"
26" 28" 23" 21"

RECOMMENDED MINIMUM TRENCH WIDTHS
INITIAL BACKFILL
HAUNCH
BEDDING
SUITABLE FOUNDATION

HEAVY CONSTRUCTION (75T AXLE LOAD) *
48" 60"
12" 24"
54" - 60"
12" - 48"

PIPE DIAM. MINIMUM RECOMMENDED COVER BASED ON SURFACE LIVE LOADING CONDITION
H-25

* VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER

NOTES:
1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-900mm).
5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

** VEHICLES PLACED ON BASE COURSE
1" 1 1/2"
2 1/2"

** COVER IS MEASURED FROM TOP OF PIPE TO BOTTOM OF RAILWAY TIE.
*** E-80 COVER REQUIREMENTS, ARE ONLY APPLICABLE TO ASTM F 2306 PIPE.

BETUMINOUS CONCRETE LIP CURB PLACED ON BASE COURSE

ZUERT & PIPE UNDERDRAIN IN THE SAME TRENCH

STANDARD STREET TRENCH PATCH DETAIL

CONSTRUCTION SEQUENCE