



** SEE DETAIL 2.05-02 FOR ALLOWABLE DEPTHS

TRENCH WIDTH

THE MINIMUM TRENCH WIDTH SHALL BE THE NOMINAL PIPE DIAMETER PLUS 24", EXCEPT THAT THE MINIMUM TRENCH WIDTH SHALL NOT BE LESS THAN 48" IN ANY CASE

NOTES:

1. MINIMUM ALLOWABLE DEPTH OF COVER IS 3 FT.
2. IN ROCK OR WET SOIL, PIPE MUST BE BEDDED IN AT LEAST 6" OF CRUSHED STONED EMBEDMENT MATERIAL BELOW THE INVERT OF THE PIPE.
3. GRANULAR MATERIALS ARE DEFINED PER THE AASHTO SOIL CLASSIFICATION SYSTEM (ASTMD3282) OR THE UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D2487), WITH THE EXCEPTION THAT GRAVEL BEDDING/BACKFILL ADJACENT TO THE PIPE IS LIMITED TO 2" MAXIMUM PARTICLE SIZE PER ANSI/AWWA C600
4. THESE PIPES ARE ADEQUATE FOR DEPTHS OF COVER FROM 3 FT. UP TO THE MAXIMUM SHOWN INCLUDING AN ALLOWANCE FOR A SINGLE H-20 TRUCK WITH A 1.5 IMPACT FACTOR UNLESS NOTED.
5. RING DEFLECTION LIMITED TO 3%, MINIMUM SAFETY FACTOR OF 2. EARTH LOAD BASED ON SOIL WEIGHT OF 120 PCF.

STANDARD DETAIL

Metropolitan Sewerage District
of Buncombe County, North Carolina

TYPICAL TRENCH DETAIL FOR DUCTILE IRON PIPE - 1

DATE APPROVED: MARCH 2017

2.05 - 01