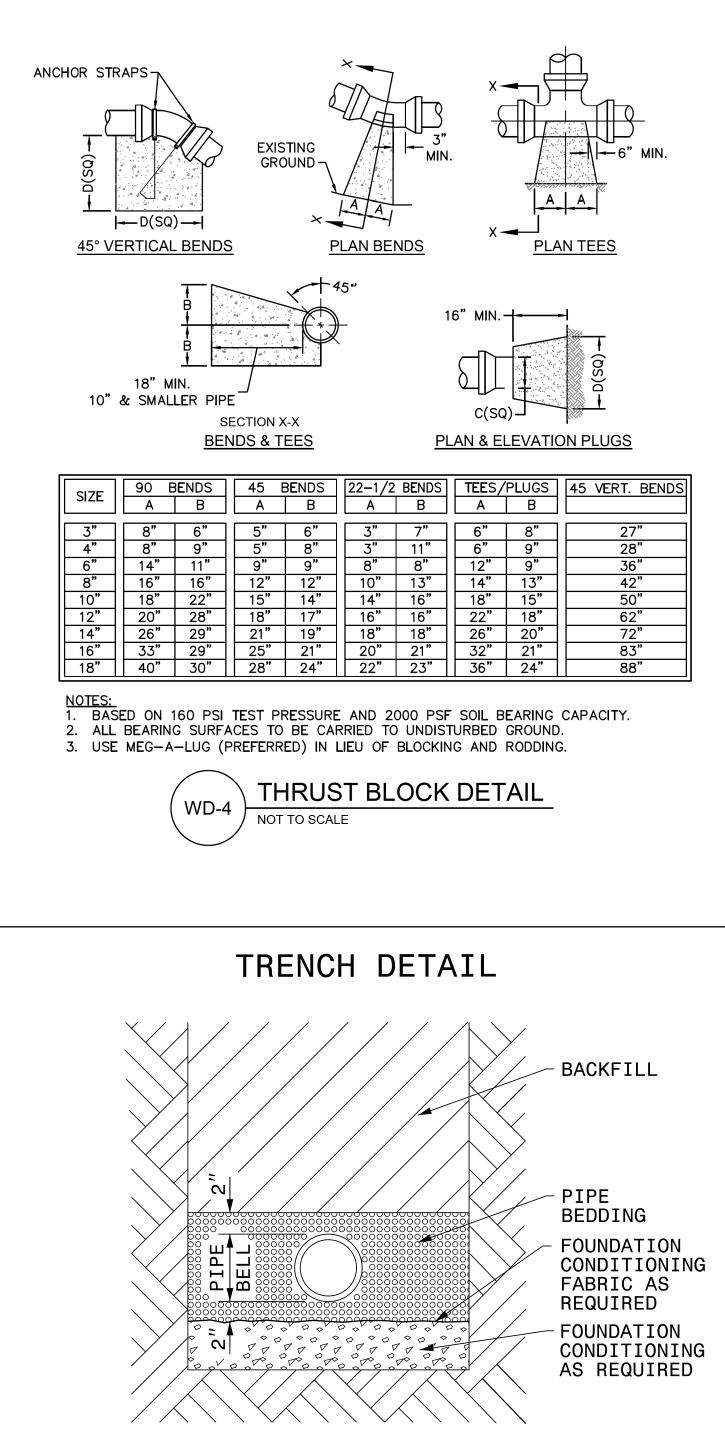


UTILITY DETAILS



PLACE FOUNDATION CONDITIONING MATERIAL BELOW BEDDING IF REQUIRED, AS DIRECTED BY ENGINEER

OR CLASS III. TRENCH BACKFILLÉD IN LOOSE 6" LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL

EXCAVATED MATERIAL IF APPROVED BY THE ENGINEER

OR SELECT MATERIAL. ALL MATERIAL SHALL BE FREE

COMPACTION SHALL BE TO APPROXIMATELY 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE

OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH.

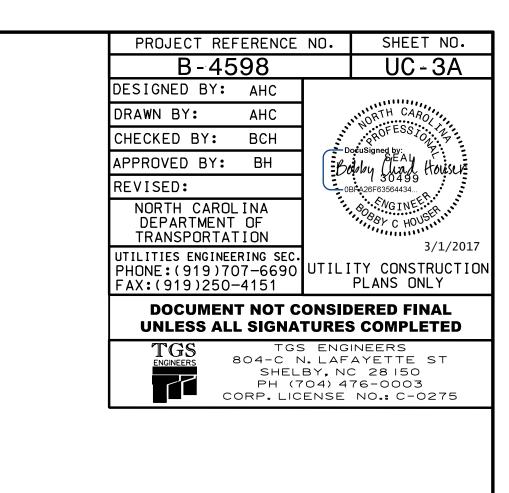
DEPARTMENT OF TRANSPORTATION.

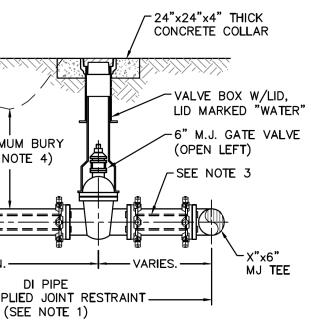
PIPE BEDDED IN SELECT MATERIAL, CLASS II (TYPE 1)

PUMPING AND HOSE FIRE HYDRANT CONNECTION EQUAL TO CFPUA STANDARD WITH 5" STORZ 1' MIN OR AS DIRECTED BY . CONNECTION FACING ROADWAY THE ENGINEER BREAK RING -24"x24"x4" THICK CONCRETE COLLAR ✓ VALVE BOX W/LID, COMPACTED 2' MINIMUM BURY BACK FILL -(OPEN LEFT) (SEE NOTE 4) -SEE NOTE 3 NOTE 5 ⋸⋲ー⋺╢ -----#57 STONE FILL (7 CF MIN.)--X"x6' — VARIES. — MJ TEE DI PIPE - FIELD APPLIED JOINT RESTRAINT ------(SEE NOTE 1) NOTES: 1. JOINT RESTRAINT SYSTEMS SHALL BE WEDGE ACTION STYLE FOR DI PIPE AS MANUFACTURED 1. JOINT RESTRAINT SYSTEMS SHALL BE WEDGE ACTION STYLE FOR DI PIPE AS MANUFACTURED BY EBAA IRON, SIGMA, STAR PIPE PRODUCTS OR APPROVED EQUAL. 2. WHEN HYDRANT LEGS REQUIRE FULL LENGTH PIPE SECTIONS, OVER BELL RESTRAINT SYSTEM SHALL HAVE 316 STAINLESS STEEL HARNESS AND FASTENERS. 3. CONTINUOUS 316 STAINLESS STEEL RODS (TEE TO VALVE AND VALVE TO HYDRANT) MAY BE USED WITH COR-BLUE MJ T-BOLT AND GASKET KITS, AS AN ALTERNATIVE. 4. HYDRANT AND VALVE SHALL BE PLACED OUTSIDE DITCH LIMITS. 5. WEEP HOLES OPEN AND UNBLOCKED TO DRAIN.



| NOMINAL PIPE SIZE (INCHES) 4 6 8 10 12 14 16 18 20 24 30 24 30 36 42 48 54 | AT | TOP |
|---|--|-----|
| 6 8 10 12 14 16 18 20 24 30 24 30 36 42 48 | PIPE SIZE | |
| 54 | 6 8 10 12 14 16 18 20 24 30 24 30 36 42 48 | |
| | JT | |





| | TRENCH WIDTH OF PIPE |
|-----------------------------|--------------------------|
| OMINAL PE SIZE NCHES) | TRENCH WIDTH (INCHES) |
| 4 | 28 |
| 6 | 30 |
| 8 | 32 |
| 1Ø | 34 |
| 12 | 36 |
| 14 | 38 |
| 16 | 40 |
| 18 2Ø | 42 44 |
| 20 | 44 |
| 30 | 54 |
| 36 | 60 |
| 42 | 66 |
| 48 | 72 |
| 54 | 78 |
| | |