



GENERAL NOTES:

1. BEDDING FOR PRESSURE PIPE IN WET CONDITIONS.
2. PROVIDE TRENCH SAFETY SYSTEM FOR TRENCH DEPTHS GREATER THAN 5 FEET.
3. A DRY TRENCH MUST BE MAINTAINED WHILE PLACING BEDDING AND GEOTECHNICAL FABRIC.
4. IF THE NATIVE MATERIAL EXCAVATED FROM THE TRENCH IS UNSUITABLE AS BACKFILL MATERIAL, OR THE REQUIRED COMPACTION IS UNATTAINABLE, THE CONTRACTOR SHALL, AT HIS EXPENSE, IMPORT SELECT MATERIAL TO BE MIXED WITH OR USED IN PLACE OF THE NATIVE MATERIAL. SELECT MATERIAL MUST BE APPROVED BY EPWU. SUBSTITUTE SOIL CEMENT SLURRY (1-SACK) IF REQUIRED IN SPECS.

CONSTRUCTION KEY NOTES:

- A. APPROVED MARKING TAPE.
- B. UNDISTURBED STABLE MATERIAL.
- C. NATIVE MATERIAL BACKFILL.
PAVED CONDITION: COMPACT TO 90% DENSITY PER ASTM D-1557 MODIFIED PROCTOR.
UNPAVED CONDITION: COMPACT TO 85% DENSITY PER ASTM D-1557 MODIFIED PROCTOR.
 (*SEE NOTE #4 IF THESE PREVIOUS CONDITIONS CANNOT BE MET.)
- D. APPROVED GEOTECHNICAL FABRIC WITH A STANDARD OVERLAP THAT IS 2 FEET EXCEPT WHERE TRENCH WIDTH EXCEEDS 3 FEET, THE OVERLAP AT TOP SHALL BE 3 FEET.
- E. USE CLASS I GRAVEL PER ASTM D-2321 AND D-2487. NO COMPACTION REQUIRED. USE MINIMAL TAMPING, RODDING OR HAUNCH SLICING CAREFULLY IN THE EMBEDMENT ZONE. IF REQUIRED BY THE ENGINEER, TEST PER ASTM D-4254 PERCENT OF RELATIVE DENSITY.
- F. APPROVED PIPE.
- G. 18" MINIMUM UNLESS OTHERWISE SPECIFIED.
- H. TRENCH DIMENSIONS AS FOLLOWS:

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| <u>PIPE DIAMETER</u> | <u>"H"</u> |
| 6" - 30" | 4" |
| GREATER THAN 30" | 6" |

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| <u>PIPE DIAMETER</u> | <u>"W"</u> |
| 6" - 30" | 8" |
| GREATER THAN 30" | 12" |

STANDARD
DETAIL

DATE: 5/7/2007
REV: 7/6/2010

EMBEDMENT CLASS "C" FOR
GRAVITY PIPE
WET CONDITIONS

N.T.S.



DETAIL No.

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