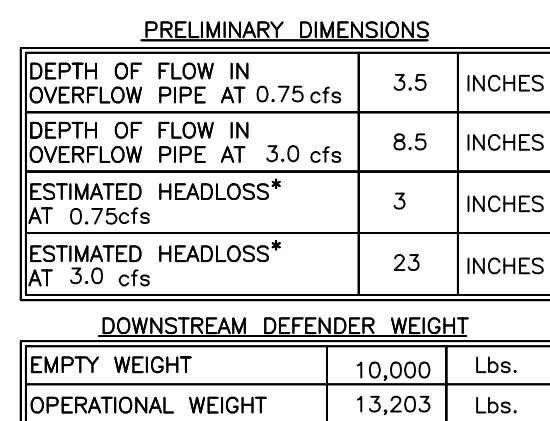
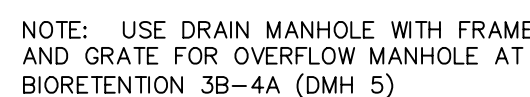
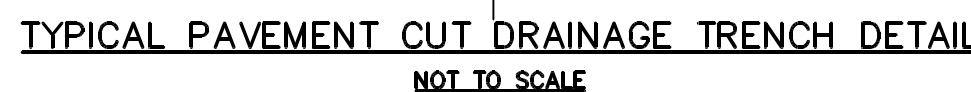
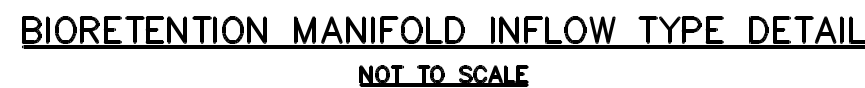
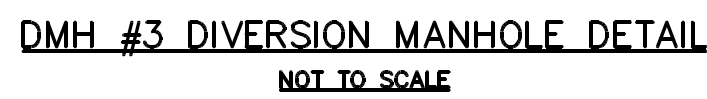


- NOTES:
1. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH A FOUNDATION OF CLASS I, II OR III MATERIAL AS DEFINED IN ASTM D2321. STANDARD PRACTICE FOR INSTALLATION OF COMPOUND PLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW COLLECTION SYSTEMS, 4TH EDITION, IS AN ALTERNATIVE AND AT THE DISCRETION OF THE ENGINEER. THE TRENCH BOTTOM MAY BE STABILIZED USING A WOVEN GEOTEXTILE FABRIC.
 2. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III AND INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE: 4" (100mm) for 4" - 24" (100-600mm) and 4" - 48" (100-1200mm) for CORRUGATED POLYETHYLENE (CPEP); 6" (150mm) for 30" - 36" (750-900mm) CPEP.
 3. HAUNCHING AND INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II, OR III AND INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
 4. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, MINIMUM TRENCH WIDTHS SHALL BE AS FOLLOWS:

| NOMINAL Ø | | MIN. RECOMMENDED | |
|-----------|----------------------|------------------|----------------------|
| in (mm) | TRENCH WIDTH in (mm) | in (mm) | TRENCH WIDTH in (mm) |
| 8 (200) | 25 (630) | | |
| 11 (275) | 31 (790) | | |
| 12 (300) | 31 (790) | | |
| 15 (375) | 34 (860) | | |
| 18 (450) | 39 (990) | | |
 5. MINIMUM COVER: MINIMUM COVER CONDITIONS OF COVER VARIUS USE IN THE FOLLOWING CONDITIONS SUMMARIZED IN THE FOLLOWING TABLE. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TAKEN FROM THE TOP OF THE PIPE TO THE GROUND SURFACE.

| SURFACE LIVE LOADING CONDITION | | MINIMUM RECOMMENDED COVER in (mm) | |
|--------------------------------|-----------|-----------------------------------|--|
| H25 (FLEXIBLE PAVEMENT) | 12 (300) | | |
| H25 (RIGID PAVEMENT) | 12 (300) | | |
| E80 RAILWAY | 20 (500) | | |
| HEAVY CONSTRUCTION | 48 (1220) | | |

*TOP OF PIPE TO BOTTOM OF BITUMINOUS PAVEMENT



* HEADLOSS IS DEFINED AS THE DIFFERENCE BETWEEN STATIC WATER LEVEL AT THE INLET OF THE DOWNSTEAM DEFENDER TO THE FREE WATER SURFACE IN THE OVERFLOW PIPE, ASSUMING FREE DISCHARGE.

[illegible]

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