



**INSERTA TEE® COMPONENTS INCLUDE:**  
 -PVC HUB (SIZED FOR LATERAL & PIPE TYPE)  
 -RUBBER SLEEVE PIPE ADAPTER WITH HOSE CLAMP

4" FOR 12"-24" PIPE  
 6" FOR 30"-60" PIPE

MIN. TRENCH WIDTH  
 (SEE TABLE)

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

INITIAL BACKFILL  
 SPRINGLINE  
 HAUNCH  
 BEDDING  
 SUITABLE FOUNDATION

RECOMMENDED MINIMUM TRENCH WIDTHS

| PIPE DIAM.      | MIN. TRENCH WIDTH |
|-----------------|-------------------|
| 12"<br>(300mm)  | 30"<br>(762mm)    |
| 15"<br>(375mm)  | 34"<br>(864mm)    |
| 18"<br>(450mm)  | 39"<br>(991mm)    |
| 24"<br>(600mm)  | 48"<br>(1219mm)   |
| 30"<br>(750mm)  | 56"<br>(1422mm)   |
| 36"<br>(900mm)  | 64"<br>(1626mm)   |
| 42"<br>(1050mm) | 72"<br>(1829mm)   |
| 48"<br>(1200mm) | 80"<br>(2032mm)   |
| 60"<br>(1500mm) | 96"<br>(2438mm)   |

**NOTES:**

- 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
- MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
- THE INSERTA TEE® CONNECTION SHOULD NOT BE PLACED AT AN ANGLE EXCEEDING 45° FROM THE SPRINGLINE. GREATER ANGLES ARE SUBJECT TO DESIGN ENGINEER APPROVAL AND MAY REQUIRE PREMIUM BACKFILL.
- FOUNDATION:** WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
- 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-1500mm).
- 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.
- 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 FLOATATION. 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.

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|------|-----------------------------|-----|----------|-------|
| 2    | REV. DRAWING NAME OR NUMBER | TJR | 01/28/16 |       |
| REV. | DESCRIPTION                 | BY  | MM/DD/YY | CHK'D |

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**INSERTA TEE  
 DETAIL (PP)**  
 DRAWING NUMBER: STD-101J



4640 TRUEMAN BLVD  
 HILLIARD, OHIO 43026

|           |         |
|-----------|---------|
| DRAWN BY: | JLE     |
| DATE:     | 11/5/10 |
| CDD BY:   |         |
| SCALE:    | NTS     |
| SHEET:    | 1 OF 1  |