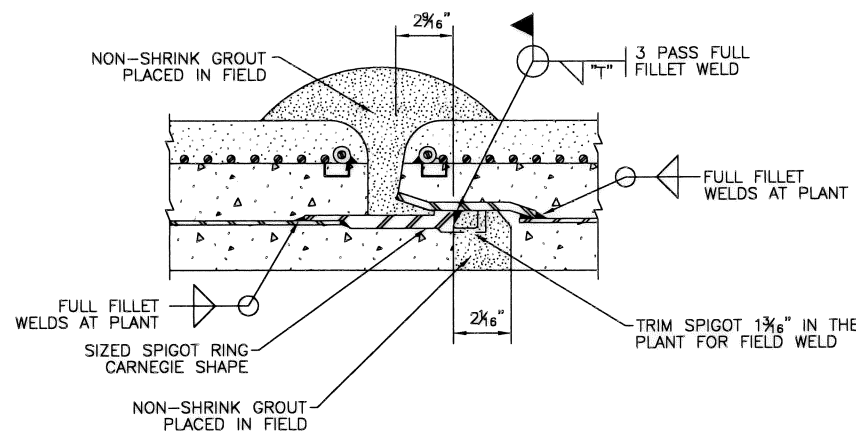


1 JOINT - EMBEDDED CYLINDER PIPE

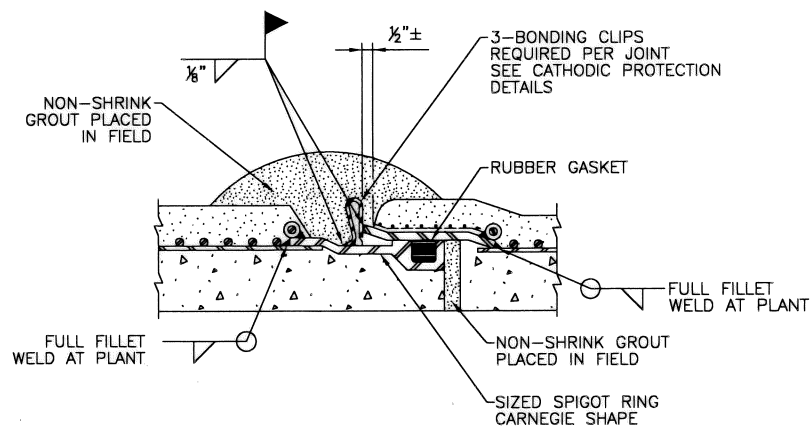


2 WELDED JOINT WITH TRIMMED SPIGOT - EMBEDDED CYLINDER PIPE

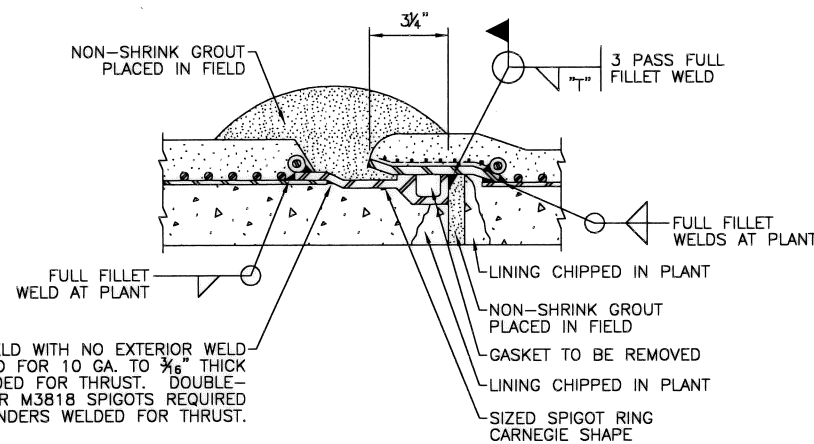
FIELD PROCEDURE: WITH THE JOINT ENGAGED THE INSIDE WELD WILL BE MADE BY ACCESS THROUGH THE PIPE. THE JOINT GROUT SHALL THEN BE PLACED AS SHOWN.

**NOTES:**

1. T = STEEL CYLINDER THICKNESS AND SIZE OF FILLET ATTACHMENT WELD.
2. FLEXIBLE MASTIC SEALER SHALL BE APPLIED TO THE EXTERIOR OF THE JOINT PRIOR TO JOINT ENGAGEMENT WHEN PIPE IS INSTALLED IN A TUNNEL OR ENCASEMENT PIPE.



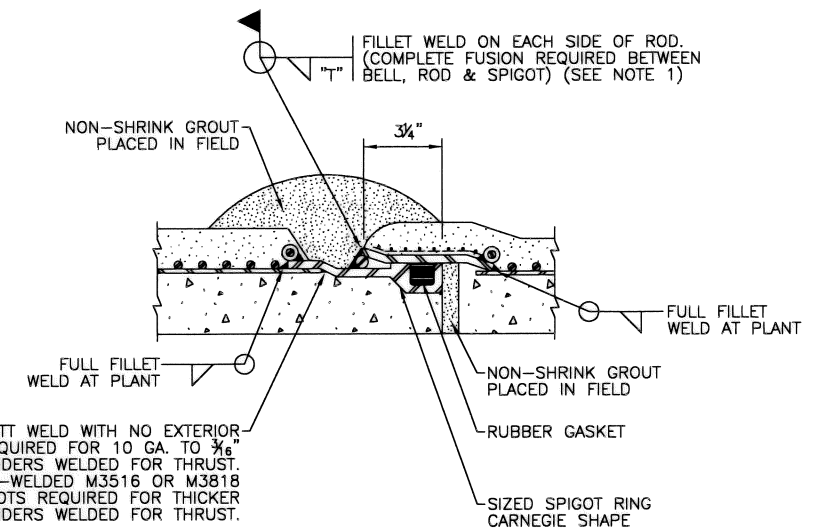
3 JOINT - LINED CYLINDER PIPE



4 WELDED JOINT - LINED CYLINDER PIPE  
(INTERIOR WELD FOR WATERLINES 36-INCHES DIAMETER AND LARGER)

INTERIOR BUTT WELD WITH NO EXTERIOR WELD REQUIRED FOR 10 GA. TO 3/8 THICK CYLINDERS WELDED FOR THRUST. DOUBLE-WELDED M3516 OR M3818 SPIGOTS REQUIRED FOR THICKER CYLINDERS WELDED FOR THRUST.

FIELD PROCEDURE: WITH THE JOINT ENGAGED THE INSIDE WELD WILL BE MADE BY ACCESS THROUGH THE PIPE. THE JOINT GROUT SHALL THEN BE PLACED AS SHOWN.



5 WELDED JOINT - LINED CYLINDER PIPE  
(EXTERIOR WELD FOR WATER LINES LESS THAN 36-INCHES IN DIAMETER)

INTERIOR BUTT WELD WITH NO EXTERIOR WELD REQUIRED FOR 10 GA. TO 3/8 THICK CYLINDERS WELDED FOR THRUST. DOUBLE-WELDED M3516 OR M3818 SPIGOTS REQUIRED FOR THICKER CYLINDERS WELDED FOR THRUST.

FIELD PROCEDURE: PLACE STEEL ROD SNUGLY INTO THE RECESS BETWEEN THE BELL AND SPIGOT. THE WELD MUST BE CONTINUOUS.

CITY OF HOUSTON HOUSTON PUBLIC WORKS	
STANDARD LDWL PRESTRESSED CONCRETE CYLINDER PIPE DETAILS	
(NOT TO SCALE)	
APPROVED BY:  ACTING CITY ENGINEER	APPROVED BY:  DIRECTOR OF HOUSTON PUBLIC WORKS
EFF DATE: MAR-20-2018	DWG NO: 02507-01