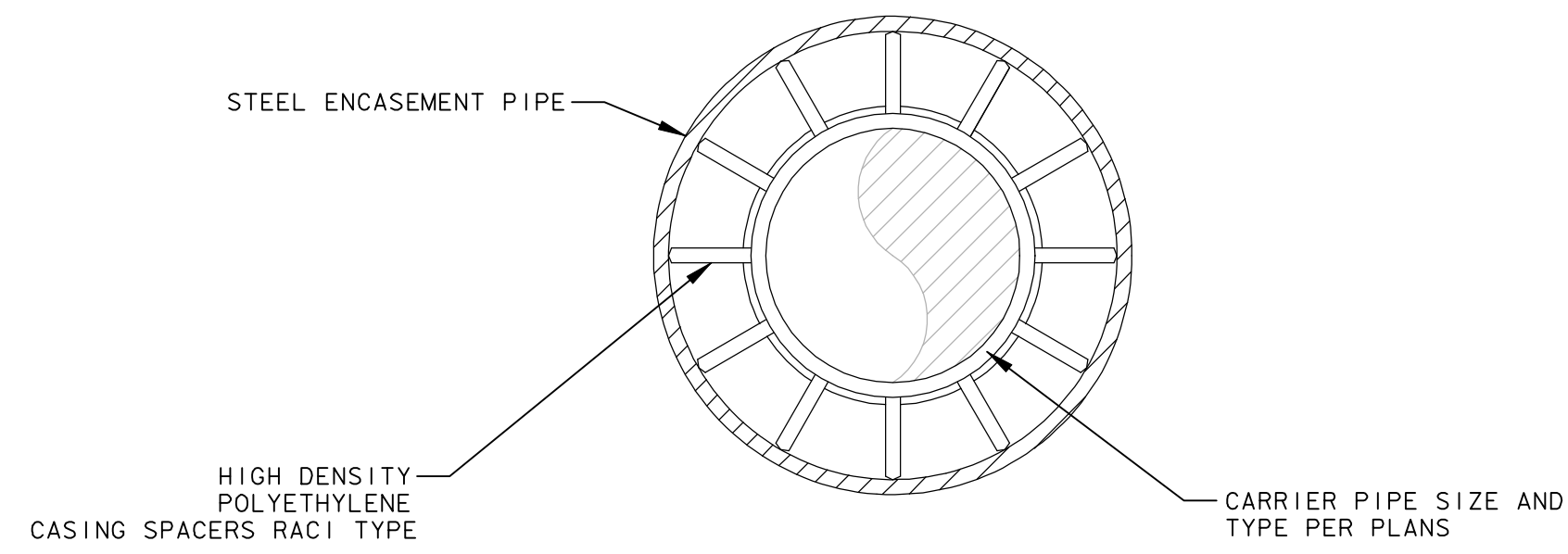


PIPE INSULATOR DETAIL  
NOT TO SCALE



INSULATOR SPACING DETAIL  
NOT TO SCALE

CARRIER PIPE NOMINAL DIAMETER	STEEL CASING PIPE		MAX SPAN BETWEEN SPACERS *
	NOMINAL DIAMETER	MIN. WALL THICKNESS	
12"	24"	0.438	6' TO 10'

\* SEE NOTE 2

CASING SPACER NOTES:


1. THE CASING SPACERS SHALL BE OF A PROJECTION TYPE THAT HAS A MINIMUM NUMBER OF PROJECTIONS AROUND THE CIRCUMFERENCE TOTALING THE NUMBER OF DIAMETER INCHES.
2. CASING SPACERS SHALL HAVE A MAXIMUM SPACING SPAN AS SHOWN IN THE TABLE ABOVE. THE SPAN BETWEEN SPACERS SHOULD RESULT IN CONSERVATIVE LONG TERM SAFETY FACTOR PROVIDED TOTAL LOAD PER SPACER DOES NOT EXCEED THE MAXIMUM LOAD FOR PIPE FULL OF LIQUID PER SPACER LISTED IN THE LITERATURE PER CLASS SPACER USED.
3. SPACERS SHALL HAVE A MINIMUM HEIGHT THAT CLEARS THE PIPE BELL OR AS OTHERWISE INDICATED ON PLANS.
4. CASING SPACERS SHALL USE DOUBLE BACKED TAPE PROVIDED WITH THE SPACERS, TO FASTEN TIGHTLY ONTO THE CARRIER PIPE, SO THAT THE SPACERS DO NOT MOVE DURING INSTALLATION.
5. SPACERS SHALL BE RACI HIGH DENSITY POLYETHYLENE OR CITY APPROVED EQUAL.

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**RECORD DRAWING**  
This drawing is a compilation of the original sealed engineering drawing and modifications by addenda, change orders and information furnished by the contractor. Information shown that was provided by the contractor and others not associated with the design engineer cannot be verified for accuracy or completeness. Original sealed drawing is on file at the office of AECOM USA Group, Inc., TBPE REG. NO. F-3082

ORIGINAL DRAWING  
SEALED & SIGNED BY  
T.H. Gaertner, P.E.  
TX NO. 37124

NO.	REVISION	BY	DATE

 **City of Rockwall, Texas**

**205 BYPASS  
PHASE 4**

**PIPE INSULATOR DETAIL**

<b>TCB   AECOM</b>		TCB INC. WWW.TCB.AECOM.COM 17300 DALLAS PARKWAY, SUITE 1010 DALLAS, TEXAS 75248	
Unit	PW-DAL-FW	Scale	Horz: AS SHOWN Vert: AS SHOWN
Designed	SDB	Checked	TCB
Drawn	TCB	Approved	TCB
Date	11/23/2009	Project No.	60004153
Sheet	50C	of	146