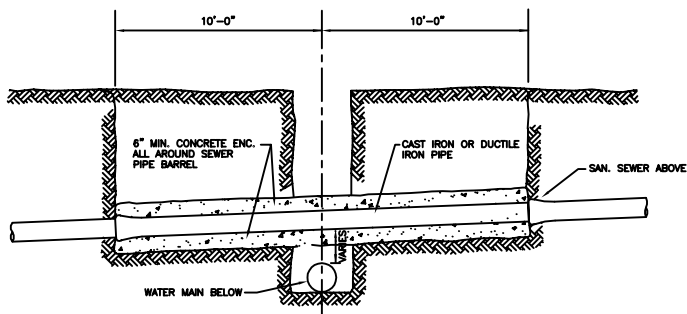


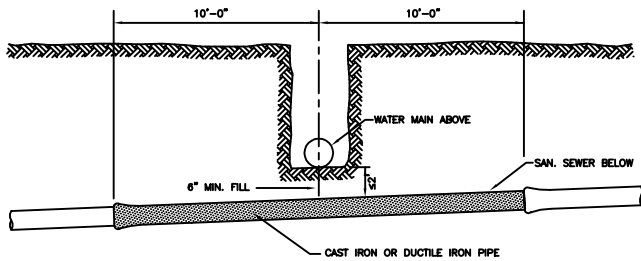
**RESTRAINING COLLAR CONCRETE PIER**  
NOT TO SCALE

**STANDARD CONCRETE PIER**  
NOT TO SCALE



- NOTES:
1. THIS DETAIL APPLIES TO ALL SANITARY SEWER CROSSINGS WHERE THE SANITARY SEWER CROSSES ABOVE THE WATER MAIN.
  2. WHEN LESS THAN TWO FEET OF SEPARATION CAN BE PROVIDED BETWEEN THE WATER MAIN AND SEWER, THE SEWER MUST BE PRESSURE TESTED TO ASSURE WATER-TIGHTNESS PRIOR TO BACKFILLING PER OKLA. STATE DEPT. OF HEALTH BULLETIN 0589.

**SANITARY SEWER ENCASUREMENT DETAIL**  
NOT TO SCALE



- NOTE:  
THIS DETAIL APPLIES TO ALL SANITARY SEWER CROSSINGS WHERE VERTICAL SEPARATION OF WATER MAIN AND SEWER IS TWO (2) FEET OR LESS AND WHEN SANITARY SEWER IS BELOW WATER MAIN.

**SANITARY SEWER CROSSING**  
NOT TO SCALE

The City of Enid  
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Robert Wilby, Civil Engineer, Ext. 343

REVISIONS		
Number	Date	Description
1	10/16/94	Title Sheet

Project Number: \_\_\_\_\_  
Project Location: \_\_\_\_\_

Sheet Title: **STANDARD CONCRETE PIER AND SEWER-WATER LINE CROSSING DETAIL**

Project Title: **SWD - 9**

Engr. Seal:

Date: 8/1/81  
Scale: NO SCALE  
Cad File: G:\DATA\SPES\SWD-10  
Drawn By: P.B.  
Designed By: R.H.  
Approved By: R.H.  
Sheet: of