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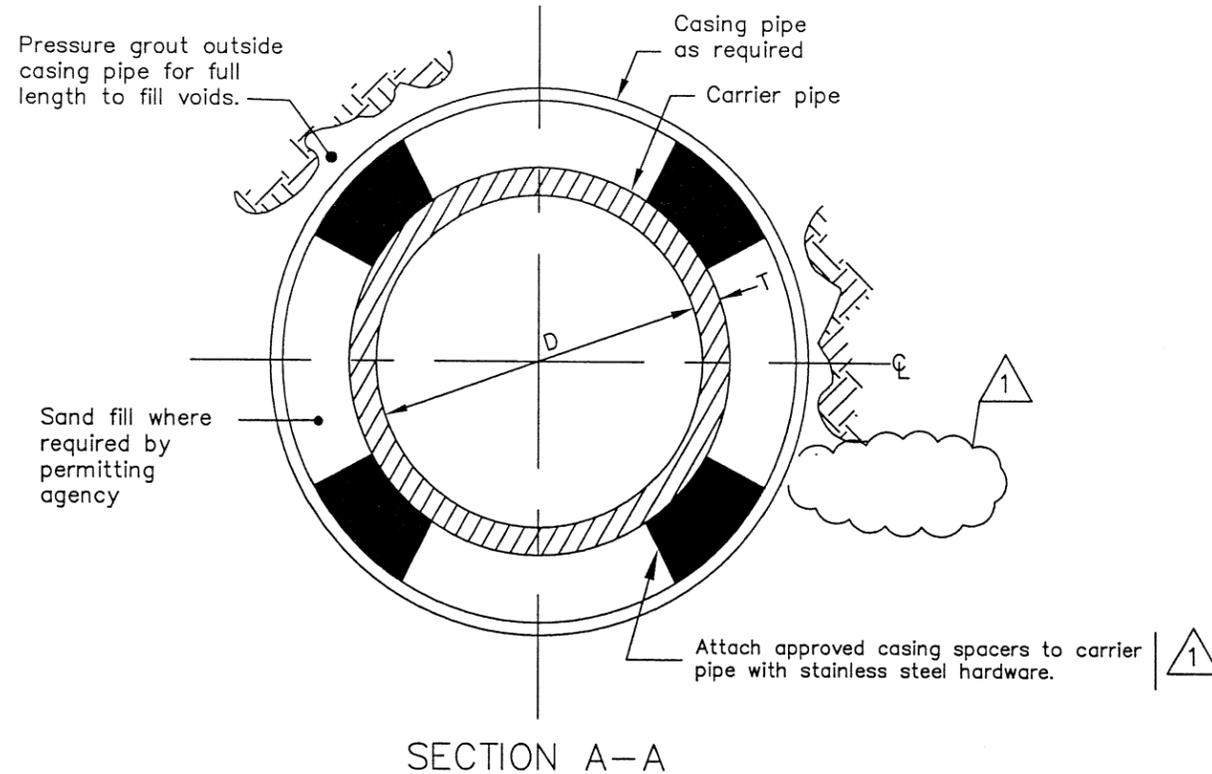
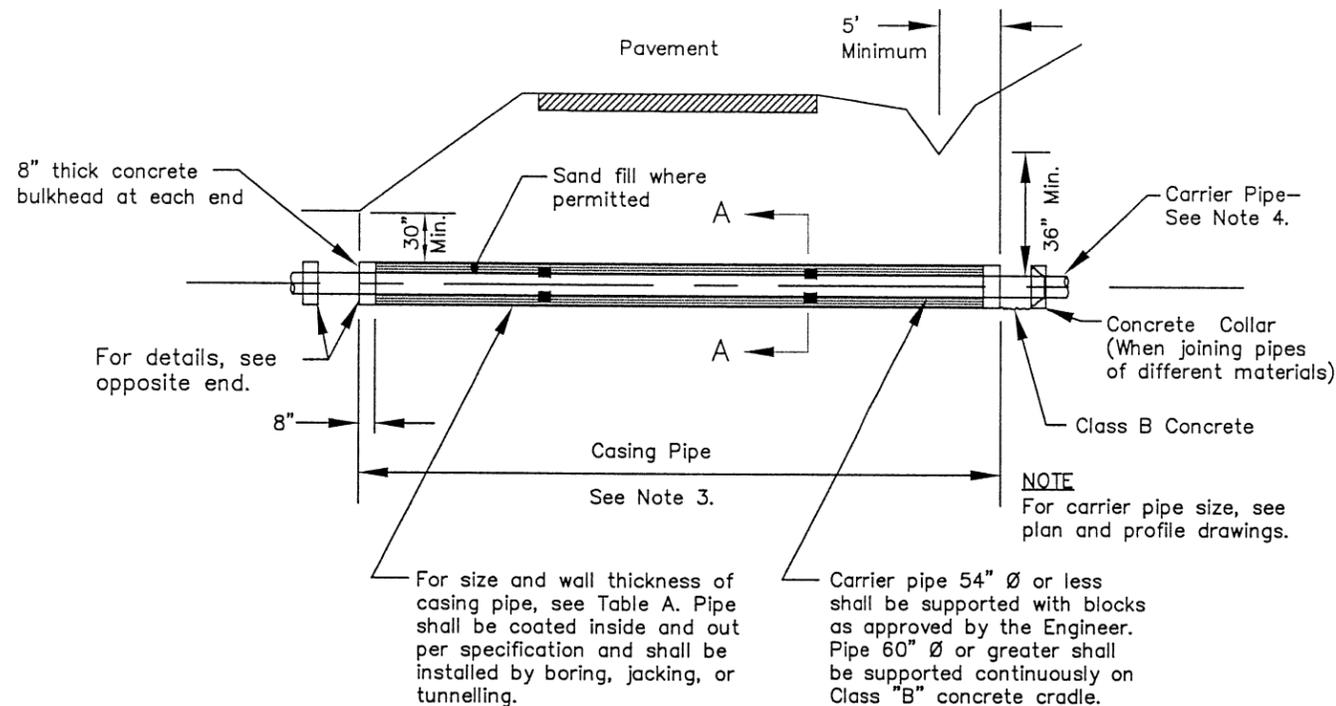


TABLE "A"

PIPE SIZE

Carrier Pipe (Inches)	Casing Pipe	
	Diameter (Inches)	Steel Pipe Wall Thick
8	16	1/4"
10	20	5/16"
12	24	3/8"
14	30	1/2"
18	36	1/2"
24	36	1/2"
30	54	SEE TABLE "B".
36	54	"
42	66	"
48	72	"
54	78	"
60	84	"
66	96	"
72	108	"
84	120	"
96	144	"

\* Ductile Iron Or Cast Iron  
R.C.P.

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\* HAMILTON COUNTY WWTA ALLOWS PVC PIPE.

TABLE "B"

Gauges of Liner Plate  
For Continuous Load-Carrying Structures

Nominal Diameter (Inches)	Height of Cover (Feet)									
	2-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	
48	12	12	12	12	12	12	12	12	10	
54	12	12	12	12	12	12	12	10	8	
60	12	12	12	12	12	12	10	8	7	
66	12	12	12	12	12	10	8	8	5	
72	12	12	12	12	12	10	8	7	5	
78	12	12	12	12	10	8	7	5	5	
84	12	12	12	10	10	8	5	5	5	
96	12	10	10	10	10	8	5	5	5	
108	10	10	10	10	8	7	5	5	5	
120	10	10	10	8	8	7	5	5	3	
144	8	8	8	8	5	5	3	1	1	

CASING PIPE  
SIZE AND THICKNESS OF  
PIPE FOR HIGHWAY CROSSING

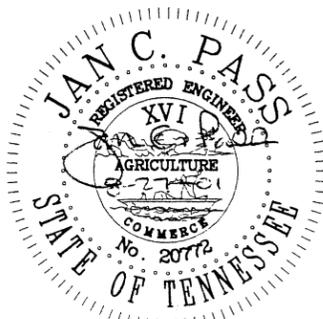
HIGHWAY CROSSING NOTES FOR PLACING SEWER LINES WITHIN THE RIGHT-OF-WAY OR CROSSING STATE AND U.S. HIGHWAYS AND DESIGNATED CITY STREETS

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1. LINES CROSSING UNDER PAVED ROADS AND PAVED CROSSROADS WITHIN DESIGNATED CITY STREETS, AND STATE AND U.S. HIGHWAY RIGHTS-OF-WAY SHALL BE ENCASED AND INSTALLED BY BORING, JACKING, OR TUNNELLING. CASING PIPE SHALL EXTEND FROM TOE OF SHOULDER SLOPE TO TOE OF SHOULDER SLOPE. ALL WORK SHALL BE DONE AS SHOWN ON THIS DRAWING.
2. ALL LINES SHALL HAVE A MINIMUM COVER OF 30" EXCEPT WHERE DEEPER COVER IS INDICATED ON THE DRAWINGS. ALL TRENCH EXCAVATION WITHIN THE RIGHT-OF-WAY AND NOT UNDER PAVING SHALL BE BACKFILLED BY TAMPING IN 6" LAYERS. ALL SURPLUS MATERIAL SHALL BE REMOVED FROM THE RIGHT-OF-WAY, AND THE EXCAVATION SHALL THEN BE FINISHED FLUSH WITH THE SURROUNDING GROUND.
3. CASING PIPE SHALL BE EITHER SPIRAL WELDED STEEL PIPE OR STEEL LINER PLATE, APPLICABLE AND SUITABLE TO THE METHOD OF INSTALLATION EMPLOYED (SEE TABLE "A"). ALL CASING PIPE SHALL BE COATED INSIDE AND OUT PER SPECIFICATIONS.
4. CARRIER PIPE FOR ALL LINES 6" TO 54" IN DIAMETER SHALL BE CAST OR DUCTILE IRON PIPE \* WITH "PUSH-ON" TYPE JOINTS. CARRIER PIPE 60" IN DIAMETER AND LARGER SHALL BE REINFORCED CONCRETE WITH "BELL AND SPIGOT" JOINTS. FOR SIZE, SEE PLAN AND PROFILE DRAWINGS.
5. ALL INSTALLATIONS SHALL BE DONE TO LEAVE FREE FLOWS IN DRAINAGE DITCHES, PIPES, CULVERTS, OR OTHER SURFACE WATER DRAINAGE FACILITIES OF THE HIGHWAY OR STREET OR ITS CONNECTIONS.
6. THE CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENTS FOR HIGHWAY TRAFFIC OVER THE CONSTRUCTION AREA DURING SUCH WORK AND SHALL PLACE NECESSARY BARRICADES, WARNING SIGNS, SIGNALS, LIGHTS, AND, IF NECESSARY, WATCHMEN FOR THE TRAVELING PUBLIC.

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HIGHWAY CROSSING DETAILS



		<b>CITY OF CHATTANOOGA AND HAMILTON COUNTY</b>	
		<b>HIGHWAY CROSSING FOR SANITARY SEWERS</b>	
1	REVISIONS AS MARKED OR CLOUDED	8/24/01	DATE OF ORIGINAL ISSUE
0	INITIAL ISSUE	12/10/99	
NO.	REVISION	DATE	
		STANDARD NUMBER : <b>SD-304.01</b>	
		DECEMBER 10, 1999	