



NOTES:

1. HOLD DOWN ASSEMBLY STEEL SHALL BE ASTM A36, HOT-DIP GALVANIZED, AND SHOP COATED WITH COAL TAR EPOXY. A MINIMUM OF ONE PER PIPE AT BELL END AND ONE LOCATED TWO FEET INSIDE EACH END OF THE TUNNEL.
2. GROUT MAY BE SUBSTITUTED FOR CONCRETE AS BEDDING FOR CARRIER PIPES UP TO 16" DIAMETER.
3. THE PIPE JOINTS SHALL BE KEPT CLEAR OF CONCRETE OR GROUT FOR 6" ON EITHER SIDE OF THE JOINT.
4. FOR OTHER DETAILS SEE DETAILS M/17.2, M/17.3 AND M/17.4.

CARRIER PIPE (DIA.)	CASING DIAMETER		RCP SLEEVE (DIA.)
	STEEL	RCP	
12" OR LESS	36"	48"	48"
16" OR LESS	48"	48"	48"
18"	48"	48"	48"
20"	54"	54"	54"
24"	60"	60"	60"
30"	60"		60"
36"			72"
42"			72"
48"			78"
54"			84"*

* SPECIAL DESIGN OF PIPE MAY BE REQUIRED.

WASHINGTON
SUBURBAN
SANITARY
COMMISSION

APPROVED: _____

8/18/16

[Signature]
Chief Engineer

STANDARD DETAIL
TUNNEL/BORE AND JACK
DETAILS FOR WATER MAINS
FORCE MAINS, AND
PRESSURE SEWERS

M
17.1