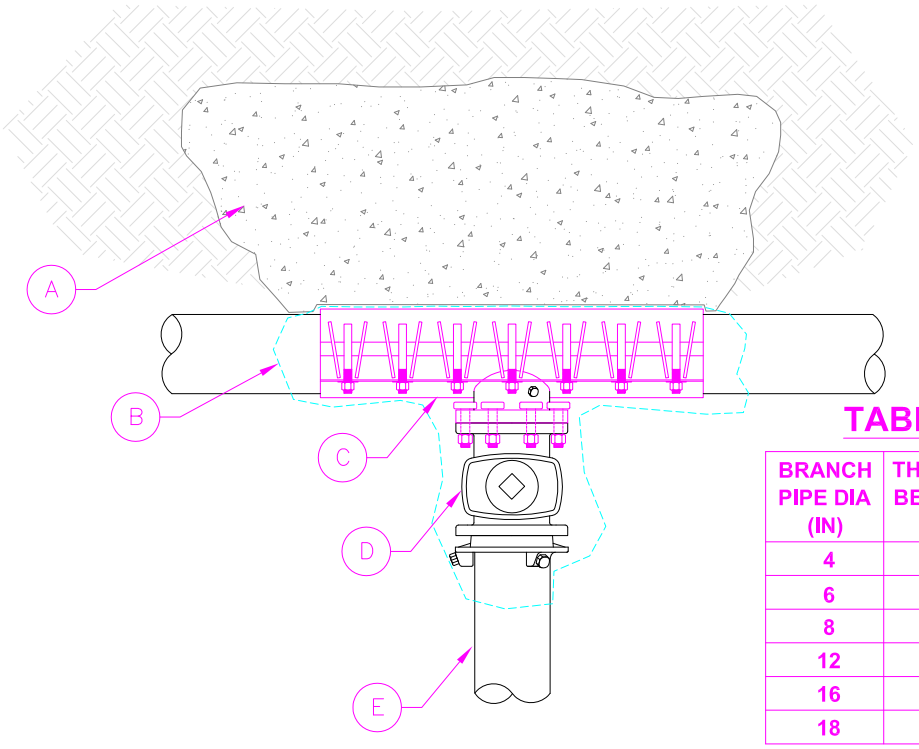

TABLE 1

BRANCH PIPE DIA (IN)	THRUST BLOCK BEARING AREA (SF)
4	1.3
6	2.8
8	5.0
12	11.3
16	20.1
18	26.0

KEYNOTES:

A. CONCRETE THRUST BLOCK POURED AGAINST UNDISTURBED EARTH. THRUST BLOCK SIZE SHALL BE PER TABLE 1 AND SHALL NOT BE LESS THAN ONE FOOT IN ANY DIMENSION. CONCRETE SHALL BE CLASS 3500 (6.5 SACK MIN.)

B. WRAP TAPPING SADDLE AND VALVE WITH 3 LAYERS OF 3 MIL PVC PRIOR TO POURING THRUST BLOCK AND BACKFILLING. EXTEND PVC 6" MINIMUM BEYOND SADDLE AND VALVE AND SECURE TO PIPE WITH DUCT TAPE.

C. STAINLESS STEEL TAPPING SADDLE WITH GASKET AND FLANGED CONNECTION.

D. LINE-SIZE GATE VALVE (FLG X MJ) PER CITY OF FOREST GROVE DETAIL AND SPECIFICATION.

E. JOINTS ON BRANCH PIPE SHALL BE RESTRAINED PER REGISTERED ENGINEER BUT NOT LESS THAN 20'.

GENERAL NOTES:

1. BEFORE INSTALLING TAPPING SADDLE, CONTRACTOR SHALL THOROUGHLY CLEAN PIPE TO REMOVE ALL DIRT, ROCKS, AND OTHER FOREIGN MATERIAL FROM PIPE WHERE SADDLE WILL BE INSTALLED.
2. SADDLE BOLTS SHALL BE TORQUED TO MANUFACTURER'S SPECIFICATIONS.
3. CONTRACTOR SHALL ENSURE THAT GASKET IS PROPERLY ALIGNED AND FREE OF FOREIGN MATERIAL PRIOR TO TIGHTENING SADDLE.
4. SADDLE LOCATION AND INSTALLATION SHALL BE APPROVED BY THE CITY OF FOREST GROVE ENGINEERING DEPARTMENT.
5. CONTRACTOR SHALL AIR TEST SADDLE TO 40 PSI PRIOR TO TAPPING
6. CONTRACTOR SHALL FLUSH AND PRESSURE TEST VALVE FOR PRIOR TO BACKFILLING.
7. APPROVED TAPPING SLEEVES FOR USE IN CITY OF FOREST GROVE JURISDICTION: JCM 432 SS, ROMAC SST WITH STAINLESS STEEL FLANGE, OR CITY OF FOREST GROVE APPROVAL EQUAL.
8. PROPOSED CONNECTION AND TYPE OF CONNECTION TO CITY WATER SYSTEM NEEDS TO BE GIVEN APPROVAL BY THE CITY PRIOR TO ACTUAL CONNECTION WORK. CITY NEEDS TO BE GIVEN ADVANCED NOTIFICATION (at least 24 hours) PRIOR TO CONNECTION, NEEDING TO ISOLATE, OR TAPPING, THE FOREST GROVE WATER SYSTEM. NOTIFICATION SHALL BE TO WATER DEPARTMENT, Lonny Schmidt AT 503.702.5949 OR 503.992.3258 AND ENGINEERING AT 503.992.3228. ALL WET TAPS 2-inch AND SMALLER SHALL BE INSTALLED BY THE WATER DEPARTMENT. LARGER WET TAPS SHALL BE INSTALLED BY A CONTRACTOR APPROVED BY THE CITY OF FOREST GROVE AND UNDER THE DIRECTION OF A WATER DEPARTMENT REPRESENTATIVE. SEE CITY STANDARD DETAIL FOR WET TAP. CONTACT THE WATER DEPARTMENT FOR A LIST OF APPROVED TAPPING CONTRACTORS.

WET TAP OF EXISTING MAIN

ENGINEERING DEPARTMENT
1928 COUNCIL STREET
P.O. BOX 326
FOREST GROVE, OR 97116

city of forest grove