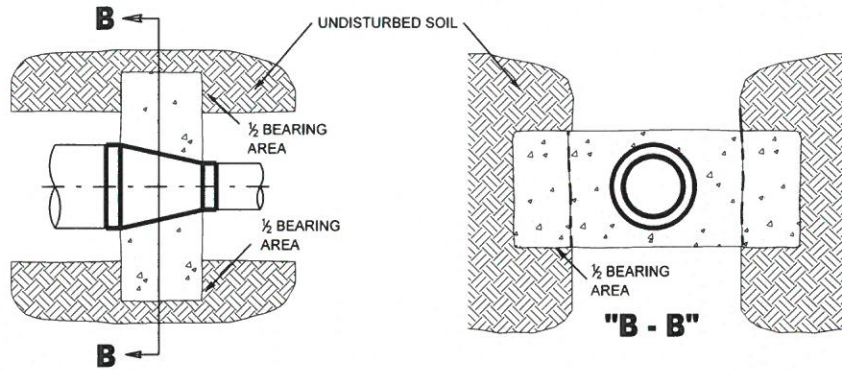
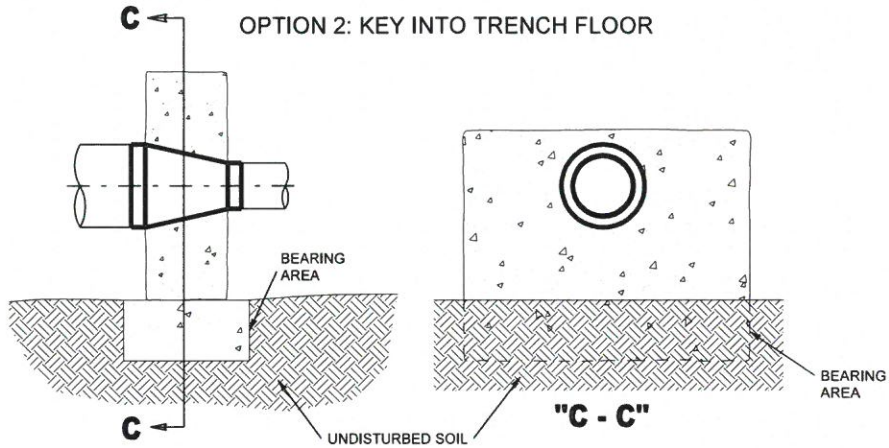


OPTION 1: KEY INTO TRENCH WALL



OPTION 2: KEY INTO TRENCH FLOOR



REDUCERS - Required bearing area in sq. m										
	600	500	450	400	350	300	250	200	150	100
600	—	1.23	1.76	2.24	2.70	3.11	—	—	—	—
500	1.23	—	0.54	1.01	1.44	1.89	2.18	—	—	—
450	1.76	0.54	—	0.48	0.91	1.36	1.65	1.88	—	—
400	2.24	1.01	0.48	—	0.44	0.88	1.17	1.40	1.60	—
350	2.67	1.44	0.91	0.44	—	0.45	0.74	0.97	1.17	1.31
300	3.11	1.89	1.36	0.88	0.45	—	0.29	0.53	0.73	0.87
250	—	2.18	1.65	1.17	0.74	0.29	—	0.24	0.44	0.58
200	—	—	1.88	1.40	0.97	0.53	0.24	—	0.20	0.34
150	—	—	—	1.60	1.17	0.73	0.44	0.20	—	0.14
100	—	—	—	—	1.31	0.87	0.58	0.34	0.14	—

TRANSITION COUPLINGS (CI OD TO OTHER)- Required bearing area in sq. m										
CI OD to:	600	500	450	400	350	300	250	200	150	100
IPS	0.65	0.49	0.41	0.35	0.28	0.09	0.09	0.09	0.09	0.09
AC ME	0.85	0.55	0.43	0.28	0.21	0.15	0.10	0.09	0.09	0.09
AC BL	0.96	0.64	0.47	0.42	0.33	0.21	0.15	0.09	0.09	0.09

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
- DESIGN BASIS:
  - HYDRAULIC PRESSURE 1035kPa (150 psi)
  - SOIL BEARING CAPACITY 72kPa (1500 lb/sq.ft.) (MEDIUM SOFT CLAY)
- TEMPORARY BLOCKING MUST BE APPROVED BY THE ENGINEER.
- CONCRETE STRENGTH SHALL BE 25MPa AT 28 DAYS.
- CONCRETE TO BE SULPHATE RESISTANT ACCORDING TO CSA-A3000-13.
- CONCRETE TO BE CLEAR OF BELLS.
- CONCRETE TO BE PLACED UNDER ALL FITTINGS.
- CONCRETE THRUST BLOCK REQUIRED FOR ALL FITTINGS.
- BEARING SURFACE MUST BE ON UNDISTURBED SOIL.
- REQUIRED BEARING AREA CAN BE ACHIEVED BY KEYING INTO TRENCH WALL OF FLOOR.

IPS - IRON PIPE SIZE  
 AC ME - ASBESTOS CEMENT MACHINED END  
 AC BL - ASBESTOS CEMENT BARREL  
 CI OD - CAST IRON OUTSIDE DIAMETER

THRUST BLOCKS FOR REDUCERS AND TRANSITION COUPLINGS



APPROVED  
 MARCH 2017  
 SCALE  
 N T S

DRAWN BY  
 DV/CW  
 CHECKED BY  
 David M.

APPROVED  
  
 DIRECTOR, WATER DISTRIBUTION AND TRANSMISSION

DRAWING NUMBER  
 2511-13  
 REVISION 0