



ELEVATION

NOTES

1. DETAIL APPLIES FOR CONNECTING EXISTING PCCP TO NEW BONDED D.I. PIPE ONLY. FOR NON-BONDED DUCTILE IRON PIPE USE DETAIL B/3.1 WITH APPROPRIATE PCCP x M.J. D.I. PIPE ADAPTER.
2. ALL CONCRETE SHALL BE $f'_c=4000$ PSI @ 28 DAYS. PIPELINE SHALL NOT BE PRESSURIZED UNTIL CONCRETE STRENGTH REACHES 4000 PSI AND TRENCH HAS BEEN BACKFILLED.
3. ALL REBARS SHALL BE ASTM A615 GRADE 60.
4. STEEL PLATES SHALL BE ASTM A36.
5. MAINTAIN 2" CLEARANCE BETWEEN ALL REBARS AND PIPE.
6. TIE ROD CIRCLE DIAMETER @ THRUST BLOCK SHALL BE AS LISTED IN TABLE BELOW.
7. REPLACE ALL DISTURBED SOIL BETWEEN NEW FITTING AND CONCRETE COLLAR WITH CRUSHED STONE (MSHA GRADE #3 OR 4) COMPACTED AS STRUCTURAL FILL.
8. FIELD VERIFY EXISTING END CONDITIONS AT CONNECTING POINT AND PROVIDE APPROPRIATE PCCP TO DIP ADAPTER.
9. JOINT BETWEEN PCCP AND DIP x PCCP ADAPTER SHALL BE MORTAR-COATED AFTER ASSEMBLY.
10. SEE DETAILS C/3.0, C/3.4 AND C/3.6 FOR INSULATING FLANGE JOINT AND STRAPPING.
11. SEE DETAIL B/3.1 FOR CONCRETE BLOCK INFORMATION. SPECIAL DESIGN IS REQUIRED FOR MAINS LARGER THAN 18 INCH. FOR THRUST CALCULATIONS, JOINT DIAMETER OF PCCP SHALL BE USED.
12. SPECIAL QUICK HARNESSED CONNECTION DESIGN REQUIRED FOR MAINS LARGER THAN 30 INCH.
13. FIELD COAT ALL EXPOSED STEEL, INSULATING FLANGE JOINT, BOLT ENDS, AND PIPE AS SHOWN ON DETAIL C/3.4.

PIPE DIAM.	MIN. TIE ROD CIRCLE DIAM. IN.
16	28
18	30-1/2
20	32
24	38
30	44

WASHINGTON
SUBURBAN
SANITARY
COMMISSION

APPROVED: JULY 1, 2005
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STANDARD DETAIL
QUICK HARNESSED CONNECTION
TO THRUST BLOCKING
FOR EXISTING PRESTRESSED
CONCRETE CYLINDER PIPE

B
3.1b