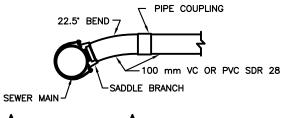
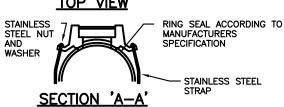


MORTAR-ON SADDLES FOR CONCRETE MAINS OVER 450 mm DIAMETER



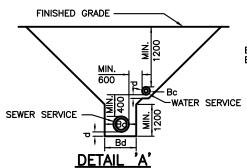




CAST-IRON SADDLE BRANCH FOR CONNECTION TO EXISTING MAINS OTHER

NOTES:

- IN NEW SUBDIVISIONS THE SANITARY SEWER AND WATER SERVICE CONNECTIONS SHALL BE INSTALLED IN SEPARATE TRENCHES. IN CASES WHERE THE SEPARATE TRENCH INSTALLATION IS
- IN CASES WHERE THE SEPARATE TRENCH INSTALLATION IS NOT PRACTICAL, SANITARY SEWER AND WATER SERVICE CONNECTIONS MAY BE INSTALLED IN A COMMON TRENCH AS PER DETAIL 'A'. IN NEW SUBDIVISIONS ALL CONNECTIONS TO THE SEWERS ARE TO BE MADE WITH A FACTORY MANUFACTURED 'T'. FOR CONNECTIONS TO EXISTING SANITARY SEWERS, OTHER THAN PVC A SADDLE CONNECTION MAY BE USED. MORTAR—ON SADDLES SHALL BE USED ON CONCRETE PIPE GREATER THAN 450 mm DIAMETER. CONNECTIONS TO EXISTING PVC SEWERS SHALL BE MADE WITH A FACTORY MANUFACTURED TEE OR AN APPROVED SADDLE. CONNECTIONS TO EXISTING A.B.S. TRUSS PIPE SHALL BE MADE WITH A SOLVENT WELDED SADDLE. A FACTORY MANUFACTURED THE OR AN APPROVED SADDLE SHALL BE USED IN THE FIRST UPSTREAM LEG FOR ALL SEWER CONNECTIONS.
- 45° STRAP ON SADDLE SHALL BE USED ON SEWERS OTHER THAN PIPE, WHEN LATERAL INTERSECTS SEWER MAIN AT AN ACUTE ANGLE
- THE SEWER CONNECTION SHALL BE LAID FROM THE MAIN TO 1.5 m BEYOND THE PROPERTY LINE IN NEW SUBDIVISIONS ONLY.
- THE END OF ALL SEWER PIPE SHALL BE MACHINED. ALL CUTTING AND MACHINE SHALL BE DONE BY CONTRACTOR.
 A COUPLING SHALL BE INSTALLED AT DEAD END AND SHALL BE
- PLUGGED USING A WATER TICHT PLUG.
 DEFLECTIONS OF PIPE AT JOINTS IS NOT TO EXCEED 75 mm
 I.E.: 150 mm MAXIMUM DEFLECTION FOR A 3 m LENGTH OF ASBESTOS CEMENT PIPE 75 mm MAXIMUM DEFLECTION FOR 1.8 m LENGTH OF VETRIFIED CLAY PIPE
- PIPE COUPLING SHALL BE 'RING-TITE' OR EQUIVALENT. PVC SHALL BE BELL AND SPIGOT JOINT.
- REFER TO STD. S-200.010 FOR BEDDING REQUIREMENTS.
- WHEN MORTAR-ON SADDLES ARE USED, A MACHINE CUT OPENING SHALL BE MADE IN THE SANITARY SEWER WITH A CORING MACHINE. 10.
- 2% MIN. GRADE TO 10% MAX. GRADE FOR 100 mm DIA. PIPE.
- 1% MIN. GRADE TO 10% MAX. GRADE FOR 150 mm DIA. PIPE.



MIN. 75 mm, DEPTH OF BEDDING BELOW PIPE. OUTSIDE DIAMETER MINIMM WIDTH OF

Bd

TRENCH

Bc + 600 mm WITH MIN. OF 900 mm OR Bc + WIDTH OF SHORING + 600 mm

COMMON TRENCH DETAIL

ALL DIMENSIONS IN MILLIMETRES EXCEPT WHERE NOTED



SANITARY SEWER HOUSE CONNECTIONS AND SADDLES (100 mm & 150 mm PIPE)

DWG. DATE: 1981 04 REVISION NO.: REV. DATE: 2013 04 SCALE: N.T.S.

S-100.010