SLIDE TYPE 13 mm ROUND HOLE WITH GROMMET **EXTENSION** FINISHED GRADE FINISHED GRADE 135 mm SLIDE TYPE VALVE BOX COVER TRACER WIRE **EXTENSION** (AS REQUIRED) NOTE NOTE 2.0 2.0 ₩X. Ä. 띯 SE EXTENSION STEM SHALL BE FASTENED TO OPERATING NUT WITH 50 mm OPERATING NUT OPEN TO LEFT TWO SET SCREWS (COUNTER CLOCKWISE). TRACER WIRE CONNECTED-USING A SPLIT BOLT # 10 CONNECTOR. SPLIT BOLT SHALL BE WRAPPED IN ELECTRICAL **GASKET** GLAND RING - TRACER WIRE 19 mm CRUSHER WATERMAIN RUN LIMESTONE אווואייייונגלול THERITIME X1111X1111X 300 SOLID CONCRETE BLOCK UNDISTURBED GROUND 150 x 150 x 300 SEE NOTE 12

NOTES

- 1. BELL END OF LOWER VALVE BOX UNIT SHALL BE CUT OFF.
- 2. VALVE BOX EXTENSIONS SHALL BE USED ONLY IF REQUIRED.
- 3. VALVE BOX SHALL BE ADEQUATELY BRACED WHILE BACK-FILLING AND MUST REMAIN PLUMB.
- REFER TO CONSTRUCTION SPECIFICATIONS DIVISION 2 SITE CONSTRUCTION SECTION 02511 WATERMAINS FOR PLACEMENT OF MARKER STAKES.
- VALVE SHALL BE COMPLETELY BACKFILLED WITH 19 mm CRUSHER RUN LIMESTONE.
- WHEN THE DEPTH OF THE OPERATING NUT IS GREATER THAN 2.0 m BELOW FINISHED GRADE, AN EXTENSION STEM IS REQUIRED.
- INLINE VALVES INSTALLED ON PVC WATERMAIN SHALL BE RESTRAINED AS PER S-200.060.

- 8. STEM AND VALVE BOX SHALL BE LOCATED ON THE BOULEVARD SIDE OF THE ROAD.
- 9. IF VALVE BOX IS LOCATED IN A GRAVEL AREA, A 1.0 m x 1.0 m x 50 mm ASPHALT COLLAR SHALL BE INSTALLED.
- 10. TRACER WIRE SHALL BE INSTALLED OUTSIDE VALVE BOX AND BROUGHT INTO UPPER SECTION THROUGH 13 mm ROUND HOLE AND LOOPED AT TOP. LOOP SHALL BE MIN. 450 mm IN LENGTH.
- 11. CATHODIC PROTECTION, BONDING CABLE AND TRACER WIRE SHALL BE AS PER S-201.030, S-201.031.
- 12. FOR WATERMAINS GREATER THAN 400 mm DIAMETER ADDITIONAL SUPPORT IS REQUIRED.

ALL DIMENSIONS IN MILLIMETRES EXCEPT WHERE NOTED



BUTTERFLY VALVE
AND VALVE BOX
(OTHER THAN CPP WATERMAIN)

DWG. DATE: 1979 07

REVISION NO.: 11

REV. DATE: 2014 04

SCALE: N.T.S.

S-220.030