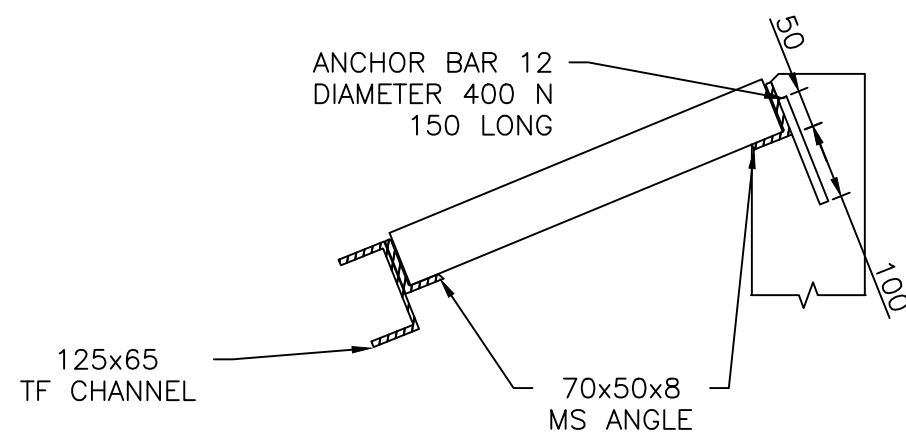
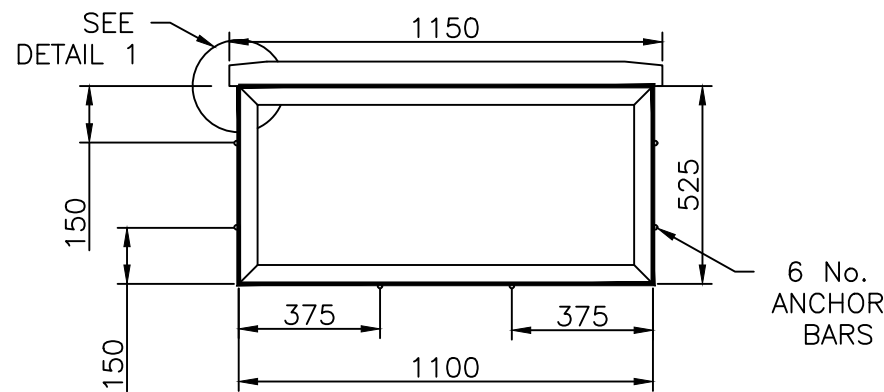


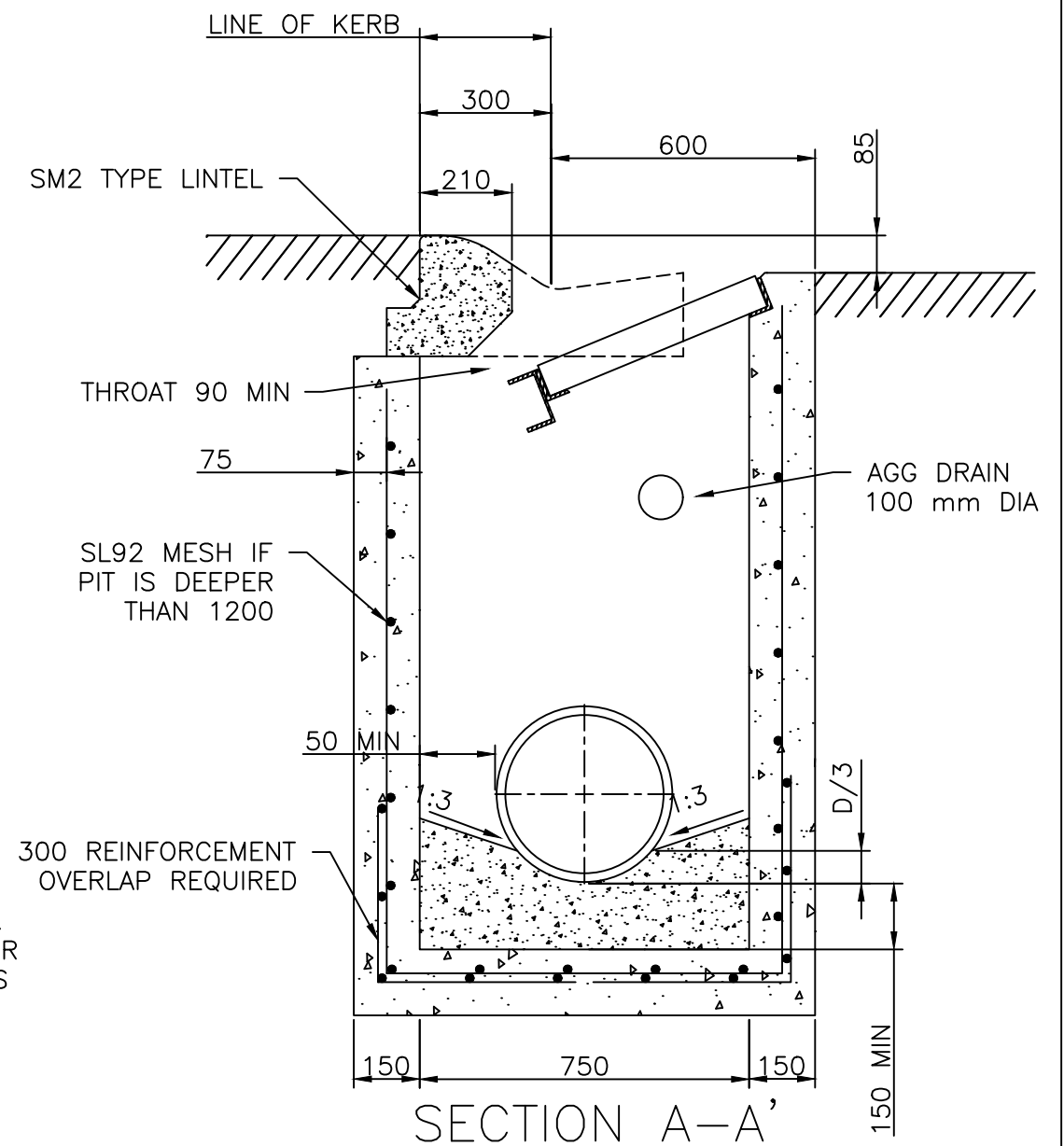
PLAN



CLOSE UP OF GRATE SECTION



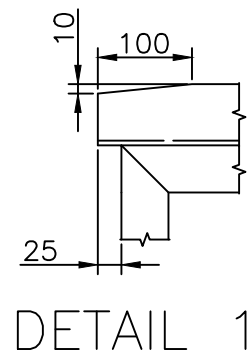
GRATE FRAME



SECTION A-A'

NOTES

1. BOTH GRATE AND GRATE FRAME SHALL BE HOT DIP GALVANIZED.
2. PITS DEEPER THAN 1000 mm TO BE FITTED WITH STEP IRONS.
3. ALL DIMENSIONS IN MILLIMETRES.
4. CONCRETE LINTEL IS REQUIRED TO SUPPORT A TEST LOAD OF 100 kN IN ACCORDANCE WITH VICROADS' "INTERIM TEST METHOD FOR TEST LOADING PIT COVERS, LINTELS AND LIDS."
5. GRATE FRAME SHALL BE CONSTRUCTED FROM 70X50X8 MS ANGLE. FRAME TO BE WELDED TO 125x65 TF CHANNEL.
6. PITS DEEPER THAN 1000 mm TO BE FITTED WITH STEP IRONS (REFER TO EDCM 609 FOR FURTHER DETAILS)
7. PRECAST UNITS MAY BE CONSTRUCTED TO THE MANUFACTURER'S DETAILS. THE DESIGN SHALL COMPLY WITH THE AS 5100 BRIDGE DESIGN AND THE FOLLOWING ADDITIONAL REQUIREMENTS:
 - 7.1. COMBINED FACTORED LATERAL PRESSURE AT ANY POINT AT THE ULTIMATE LIMIT STATE SHALL BE NOT LESS THAN 25 kPa.
 - 7.2. ADEQUATE DRAINAGE SHALL BE PROVIDED TO PIT WALLS TO AVOID HYDROSTATIC PRESSURE.
 - 7.3. VERTICAL LOAD 210 kN APPLIED ANYWHERE ON PIT.
 - 7.4. MINIMUM REINFORCEMENT AREA SHALL BE 150 mm²/m.
 - 7.5. CONCRETE SHALL BE N32 OR HIGHER.



City of Whittlesea

GRATED SIDE ENTRY PIT
FOR SEMI-MOUNTABLE KERB AND CHANNEL

SD 207

DATE 27/05/2019

REV A