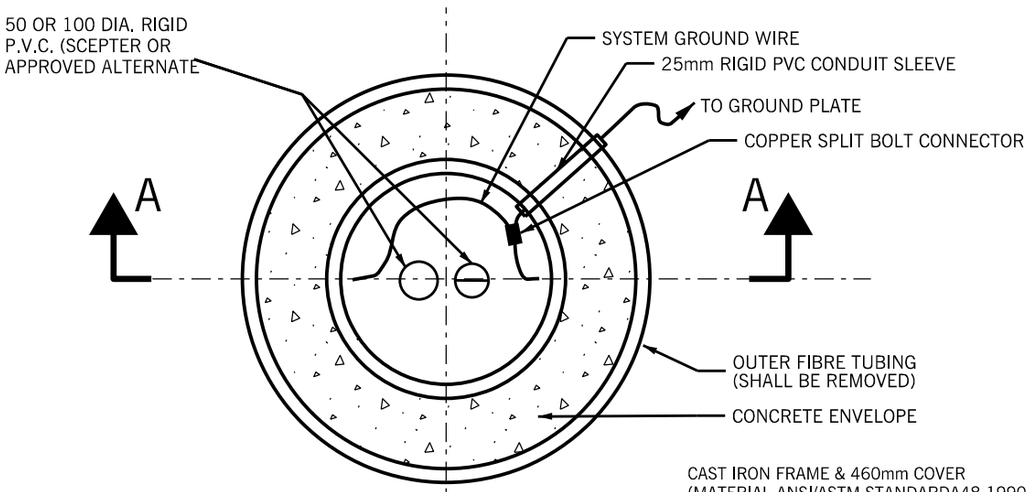
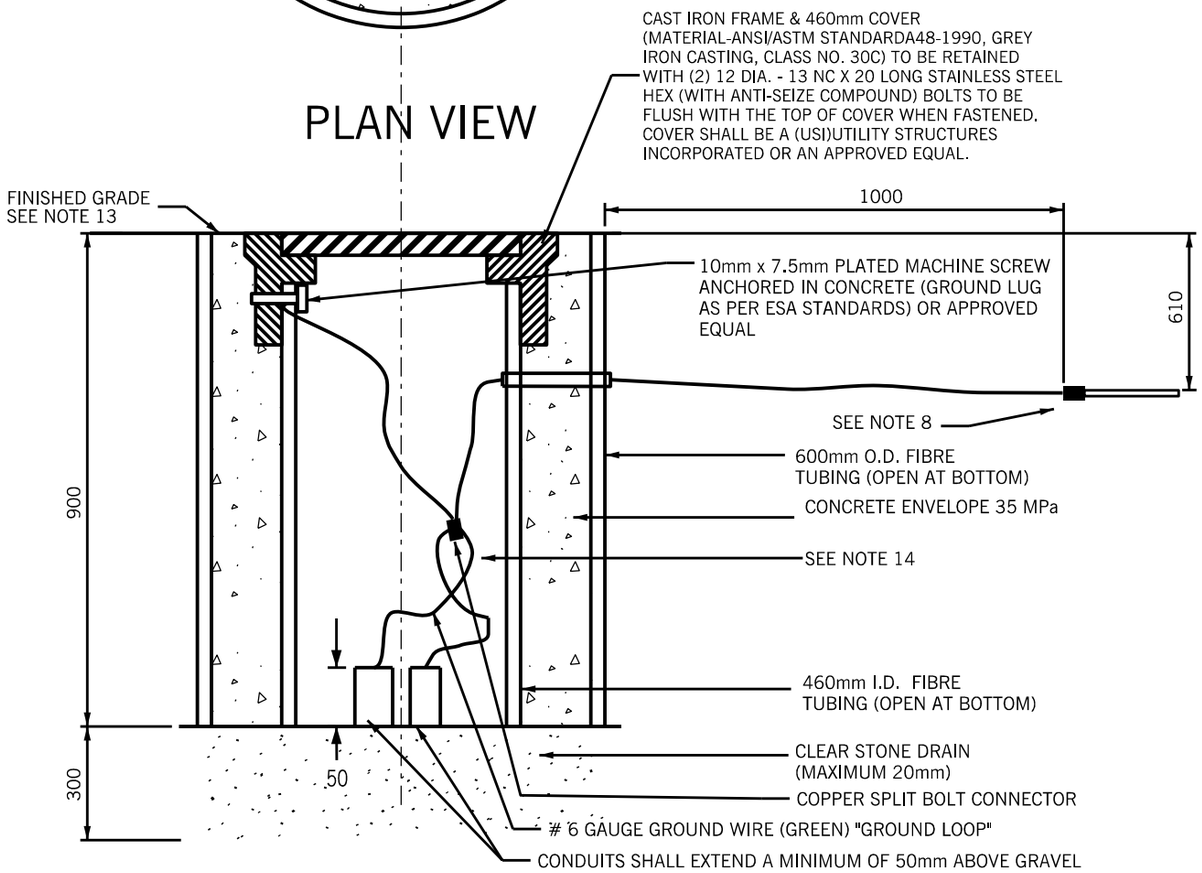


PLAN VIEW



SECTION 'A'-'A' DETAIL

NOTES:

1. CONDUITS SHALL BE LOCATED AT LEAST 1000mm BELOW FINISHED GRADE FOR ALL ROAD CROSSINGS.
2. APPROVED CAPPING TO BE USED ON ALL UNUSED CONDUITS FOR FUTURE USE.
3. PLACE No. 10 ANNEALED FISH WIRE OR EQUAL STRENGTH POLYLINE THROUGH EACH CONDUIT.
4. WHEREVER POSSIBLE, CONDUITS SHALL BE BROUGHT INTO ELECTRICAL CHAMBERS AT RIGHT ANGLES TO EACH OTHER AND TO THE WALLS OF THE ELECTRICAL CHAMBER. CONDUITS ENTERING FROM BOTTOM OF ELECTRICAL CHAMBER SHALL EXTEND A MINIMUM OF 50mm ABOVE THE GRAVEL.
5. AN ELECTRICAL CHAMBER TO BE PLACED IN A RAISED MEDIAN ISLAND SHALL BE LOCATED 5.0m FROM THE BULLNOSE & CENTERED OR AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
6. PLACE 300mm OF CLEAR STONE (MAX 20mm) BELOW EACH ELECTRICAL CHAMBER FOR DRAINAGE.
7. ALL RIGID P.V.C. PIPE SHALL MEET OR EXCEED C.S.A. STANDARD C22.2 NO. 211.2
8. GROUND WIRE SHALL BE SECURED TO GROUND PLATES BY MECHANICAL CONNECTION AS PER APPROVED E.S.A. STANDARDS.
9. FOR NUMBER OF CONDUITS AND ORIENTATION, SEE LAYOUT DRAWINGS.
10. THE FIBRE TUBING INISDE THE ELECTRICAL CHAMBER SHALL BE REMOVED ONCE THE FINISHED CONCRETE HAS SET AND THE INSIDE SHALL BE PARGED.
11. ALL CONDUITS ENTERING THE ELECTRICAL CHAMBER WALL SHALL HAVE STANDARD END BELLS.
12. ELECTRICAL CHAMBER COVER BOLTS MUST BE APPLIED WITH AN APPROVED ANTI-SEIZE COMPOUND.
13. THE TOP OF THE ELECTRICAL CHAMBER SHALL BE FLUSH TO FINISHED CONCRETE/ ASHPHALT GRADE OR SHALL BE 50mm MAX ABOVE FINISHED EARTH GRADE.
14. THE CONTRACTOR SHALL LEAVE A 1.5m MINIMUM LENGTH OF EACH TYPE OF CABLE COILED IN EVERY ELECTRICAL CHAMBER.
15. CONCRETE SHALL BE CHLORIDE PENETRATION RESISTANT CLASS C-1 (MINIMUM) AS PER C.S.A. STANDARD A23.1.

ALL DIMENSIONS IN mm UNLESS OTHERWISE NOTED

BRAMPTON Flower City
brampton.ca

APPROVED: APRIL 2014

REV. 4

TRAFFIC SIGNALS
460mm ELECTRICAL CHAMBER

434

ORIGINAL: NOV. 1993

TRAFFIC DETAILS - SERIES 400

N.T.S