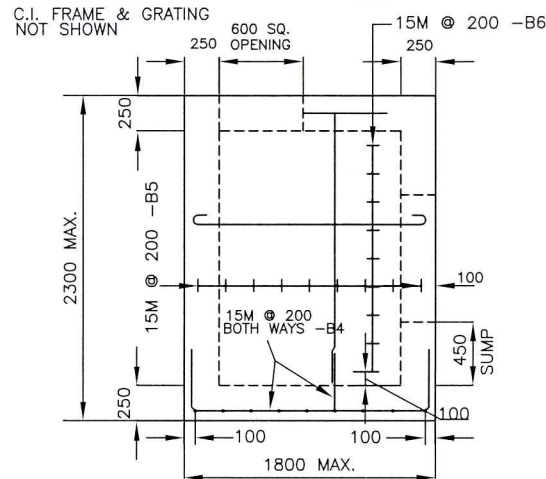
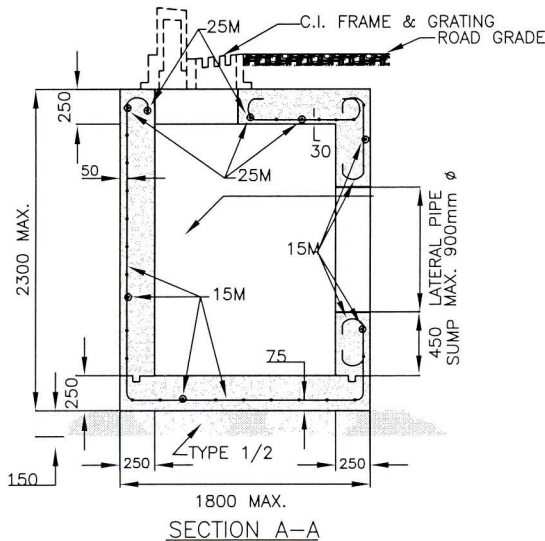


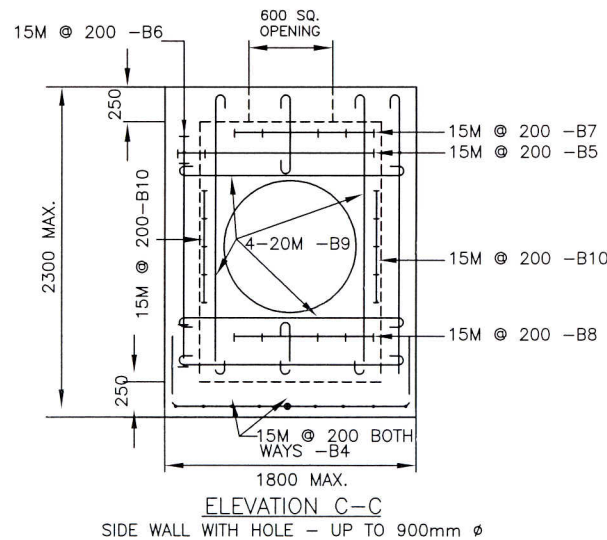
ROOF PLAN



ELEVATION B-B
SIDE WALL WITHOUT HOLE



SECTION A-A

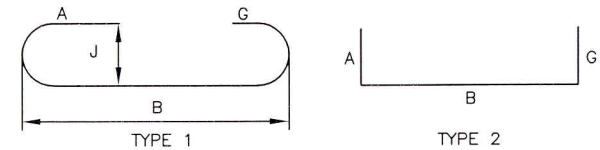


ELEVATION C-C

SIDE WALL WITH HOLE - UP TO 900mm ϕ

TYPICAL BAR LIST FOR THE MAXIMUM SIZE AS SHOWN

MARK	QTY.	SIZE	TYPE	A	B	G	J
B1	10	25M	1	250	530	250	180
B2	5	25M	1	250	880	250	180
B3	16	25M	1	250	1730	250	180
B4	18	15M	2	655	1700	655	-
B5	31	15M	1	180	2000	-	130
B6	31	15M	1	180	1700	180	130
B7	6	15M	1	180	630	180	130
B8	6	15M	1	180	380	180	130
B9	4	20M	1	210	1700	180	140
B10	10	15M	1	180	380	180	130



APPROXIMATE QUANTITIES

FOR 1800x2300 CATCH BASIN WITH 600mm SQUARE OPENING ON TOP SLAB AND ONE 900mm DIAMETER OPENING ON SIDEWALL.

REINFORCING STEEL = 510kg

CONCRETE = 4.2 CUBIC METRES

NOTES:

- DESIGN LOAD = CS600.
- ALL CONCRETE USED SHALL BE AS SPECIFIED IN DIVISION 5 OF DEPARTMENT STANDARD SPECIFICATIONS. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS TO BE 30MPa.
- ALL REINFORCING STEEL TO BE HIGH STRENGTH BARS CONFORMING TO CSA STANDARD G30.12M 1973 AND HAVING YIELD STRENGTH OF 400MPa. MINIMUM
- COVERING FOR THE REINFORCING STEEL IS 50mm (EXCEPT AS NOTED IN DRAWING). FOR CAST IN PLACE CATCH BASIN WITH NO LIVE LOAD, THE ONLY CHANGE REQUIRED FOR THE DESIGN IS TO REPLACE THE 25M BARS WITH 15M BARS AT THE ROOF.
- LOCATION OF OPENING ON ROOF OF CATCH BASIN WILL BE DETERMINED IN THE FIELD, AS DIRECTED BY THE ENGINEER.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

Philip Cohen
 Manager Highway Planning and Design

[Signature]
 Director Highway Engineering Services

[Signature]
 Executive Director Highway Engineering and Construction

CAST IN PLACE CATCH BASIN



No.	REVISION

Scale : N.T.S.
 Drawn by : M.LABRECHE
 Checked by : W.DEVEAU
 Date of Plan : AUG2009
 File No. : S-2009-060