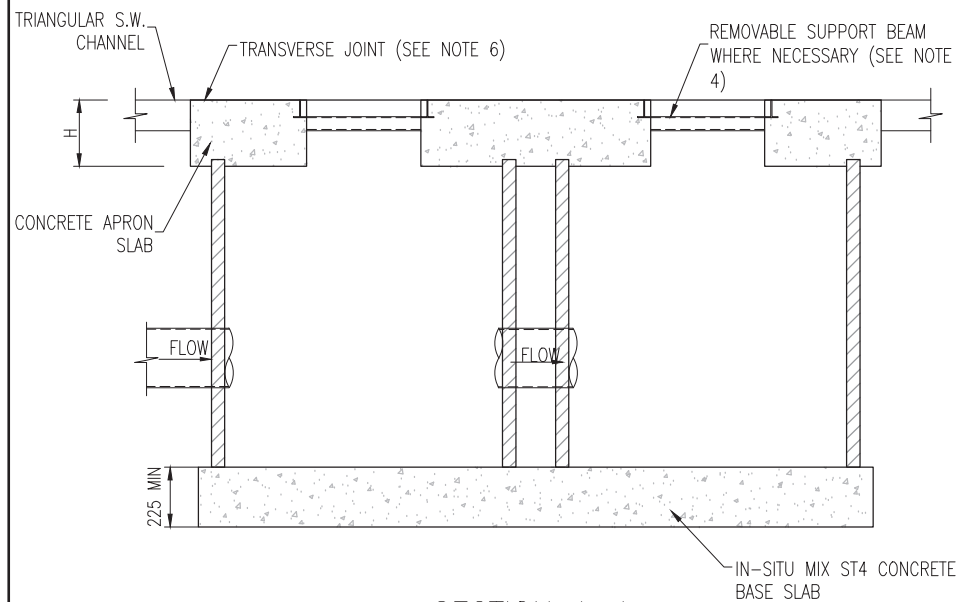
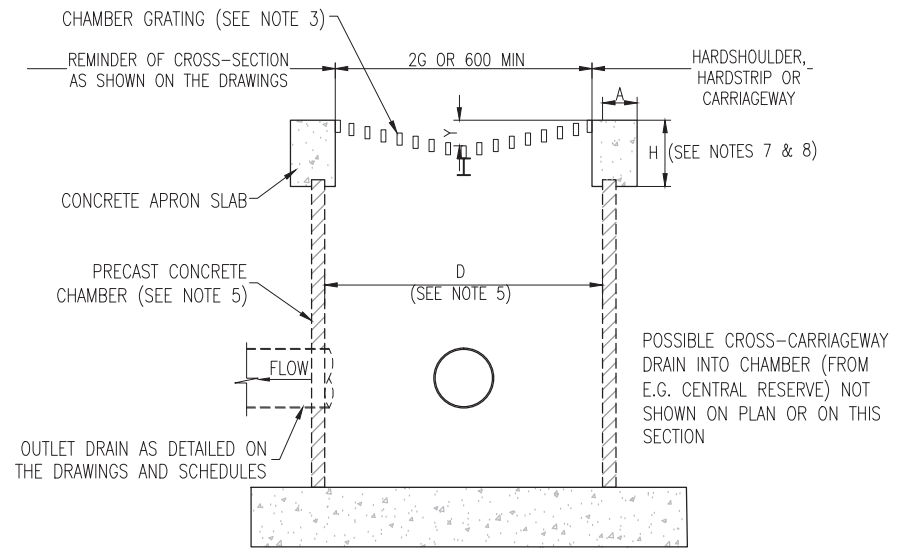


PLAN
(GRATINGS NOT SHOWN)



SECTION A-A

NOT TO SCALE



SECTION B-B

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. PLAN AND SECTION A-A INDICATE OUTLET WITH TWIN GRATING INSTALLATION AND ASSOCIATED CHAMBERS. DETAIL CAN BE MODIFIED FOR SINGLE OR TRIPLE CHAMBER INSTALLATION. ASSOCIATED DRAINS AND PIPEWORK SHALL BE AS DETAILED ON THE DRAWINGS AND SCHEDULES. APRON SLAB ON PLAN AND SECTION B-B SHOWN TO SUIT VERGE INSTALLATION. SLAB WIDTH AND PROFILE DIFFERS WHEN USED IN CENTRAL RESERVE LOCATION.
3. CHAMBER GRATINGS AS SPECIFIED TO SUIT CROSS-SECTION OF APRON. MINIMUM INTERNAL DIMENSIONS 600 X 600. GRATING FRAMES TO BE BEDDED ON MORTAR AND SECURELY FIXED TO CONCRETE APRON BY APPROVED MECHANICAL MEANS. FRAME TO BE OTHERWISE BEDDED ON EPOXY RESIN MORTAR.
4. SUPPORT BEAM PERMISSIBLE BENEATH GRATING WHERE NECESSARY TO WITHSTAND LOADING DEFINED IN NOTE 8. BEAM TO BE REMOVABLE WHERE CLEAR OPENING 600 X 600 NOT OTHERWISE AVAILABLE FOR ACCESS PURPOSES. REMOVABLE BEAMS TO BE SUPPORTED ON PURPOSE MADE STEEL BRACKETS BEARING UPON GRATING FRAME REBATES AND BOLTED TO THE FACES OF THE APRON SLABS WITHIN THE ACCESS OPENINGS. BRACKETS SHALL RESTRAIN THE BEAM FROM SIDEWAYS MOVEMENT. BEAM ROLLING TOLERANCES MAY BE ACCOMMODATED BY USE OF PURPOSE-MADE STEEL SHIMS BETWEEN THE SUPPORTING BRACKETS AND THE BEAMS. ALL STEELWORK TO BE FABRICATED FROM STEEL TO IS EN 10084 AND TO BE PROTECTED BY HOT DIP GALVANISING TO MCDRW CLAUSE 1909.
5. CHAMBER BENEATH APRON SLAB TO BE AS RCD/500/9 BUT WITH INTERNAL DIAMETER D AS SPECIFIED TO PROVIDE MINIMUM NECESSARY CLEAR OPENING BENEATH GRATING AND BE NOT LESS THAN 1050.
6. A TRANSVERSE JOINT SHALL BE FORMED AT EACH END OF THE APRON SLAB IN ACCORDANCE WITH MCDRW CLAUSE 1009. TRANSVERSE JOINTS SHALL NOT BE PERMITTED WITHIN THE APRON SLAB. NO JOINTS SHALL BE PERMITTED WITHIN ADJACENT LENGTHS OF CONCRETE PAVEMENT SLABS. NECESSARY JOINTS IN SUCH SLABS SHALL BE SPACED ACCORDINGLY.
7. DIMENSION H TO PROVIDE NECESSARY SUPPORT/BEDDING TO REMOVABLE SUPPORT BEAM.
8. APRON SLAB AND ASSOCIATED DIMENSION H TO BE DESIGNED TO WITHSTAND THE ACCIDENTAL WHEEL LOADING DEFINED IN BD 37. DIMENSION A TO BE MINIMISED. CONCRETE TO APRON SLAB SHALL COMPLY WITH MCDRW CLAUSE 1103. PLAIN CONCRETE SHALL BE A DESIGNED CONCRETE, STRENGTH CLASS C 28/35 TO IS EN 206-1. REINFORCED CONCRETE SHALL BE STRENGTH CLASS C 32/40 TO MCDRW CLAUSE 1001. CONCRETE TO APRON SLAB CAST IN ONE WITH ADJACENT CONCRETE PAVEMENT SHALL BE AS SPECIFIED FOR THE CARRIAGEWAY SLAB.
9. DIMENSIONS Y AND G SHALL BE AS DEFINED IN APPENDIX 5/3.

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