ELEVATION OF TYPICAL STORMWATER OUTLET STRUCTURE

SECTION A-A

PLAN OF TYPICAL STORMWATER OUTLET STRUCTURE

PLAN OF FIELD INLET (Without cover slab)

SECTION B-B

DETAIL OF PRECAST COVER SLAB

MASONRY WALLING SHALL CONFORM IN ALL RESPECTS TO THE REQUIREMENTS OF SANS 10164-1.

MORTAR SHALL BE CLASS II (COMPRESSIVE STRENGTH OF 7 MPa AT 28 DAYS).

THE REQUIREMENTS SET OUT IN APPENDIX B OF SANS 10164-1 SHALL BE ADHERED TO UNLESS OTHERWISE APPROVED OR DIRECTED BY THE ENGINEER.

APPLICATION OF TYPICAL OUTLET STRUCTURE

THE TYPICAL STORMWATER OUTLET STRUCTURE MAY ONLY BE USED WHERE:
- THE FLOW VELOCITY AT THE OUTLET PERMITS THE USE
  \[ D + H < 1500 \]
- FOR HIGHER FLOW VELOCITIES THE STRUCTURE MUST BE MODIFIED OR ANOTHER TYPE OF STRUCTURE MUST BE USED, ACCORDING TO THE SPECIFICATIONS OF THE ENGINEER.

CONCRETE

ALL CONCRETE TO BE CURED FOR A MINIMUM PERIOD OF 7 DAYS.

2.

MASONRY WALLS OF OUTLET STRUCTURE

- SPECIFIED BY THE ENGINEER
- FOR LARGER STRUCTURES A STRUCTURAL REINFORCED CONCRETE DESIGN IS REQUIRED.
- ALL BRICKS SHALL COMPLY WITH SANS 227 AND SHALL BE ENGINEERING UNITS OF CLASS FBS (FACE BRICK STANDARD) WITH A NOMINAL COMPRESSIVE STRENGTH OF 12 MPa.

NO SCOURING OR EROSION MAY OCCUR DOWNSTREAM OF THE OUTLET STRUCTURE.

SIGNATURE:......................................................................... DATE:....................................

SIGNATURE:............................................................................. DATE:......................................................

SIGN WHEN APPLICABLE

RECEIVED

DIRECTOR: INFRASTRUCTURE PROVISION
ROADS AND STORMWATER
DIRECTOR: INFRASTRUCTURE ASSET MANAGEMENT
DIRECTOR: INFRASTRUCTURE MAINTENANCE MANAGEMENT (IMM)
DIRECTOR: INTELLIGENT TRANSPORT SYSTEM AND TRAFFIC ENGINEERING
DIRECTOR: INFRASTRUCTURE CONSTRUCTION (PROJECT) MANAGEMENT
DIRECTOR: TRANSPORT INFRASTRUCTURE PLANNING