Design and Construction Note

202.12

Drainage Structures

Standard Side Entry Pit

Granite Kerb

Reviewed: 16/08/2018

URBANSTONE 710x710x70mm CONC. LID WITH SL41 MESH. SANDBLAST FINISH AND COLOUR TO MATCH STANDARD CITY GREY PAVERS.

230mm THICK BRICKWORK. MINIMUM 2 COURSES TALL.

225Ø PVC TRAP OR SIMILAR

PRECAST CIRCULAR CHAMBER 1092Ø (INTERNAL)

PIT BASE MIN COMPRESSIVE STRENGTH 25MPa (INSITU) OR 40MPa (PRECAST) @ 28 DAYS. 14mm AGGREGATE.

SUB-GRADE TO BASE TO BE COMPACTED TO 95% MMDD PRIOR TO PLACING OF BASE. BACK FILL TO BE COMPACTED TO 95% MMDD.

SECTION Y

SHAPE 25Ma CONCRETE SMOOTHLY TO EXTENT OF BRICK WALL TO MAINTAIN MIN 100mm OPENING.

URBANSTONE 710x710x70mm CONC. LID WITH SL41 MESH. SANDBLAST FINISH AND COLOUR TO MATCH STANDARD CITY GREY PAVERS.

230mm THICK BRICKWORK. MINIMUM 5 COURSES TALL.

SEAL WITH CEMENT GROUT

225Ø PVC TRAP OR SIMILAR

PRECAST CIRCULAR CHAMBER 1092Ø (INTERNAL)

PIT BASE MIN COMPRESSIVE STRENGTH 25MPa (INSITU) OR 40MPa (PRECAST) @ 28 DAYS. 14mm AGGREGATE.

SUB-GRADE TO BASE TO BE COMPACTED TO 95% MMDD PRIOR TO PLACING OF BASE. BACK FILL TO BE COMPACTED TO 95% MMDD.

SECTION X

GRANITE LINTEL KERB

CREATE DEPRESSION IN ROAD LEVEL IN FRONT OF LINTEL KERB TO CHANNEL WATER INTO A 100mm HIGH OPENING. EQUIVALENT 160mm KERB HEIGHT.

230mm THICK BRICKWORK. MINIMUM 5 COURSES TALL.