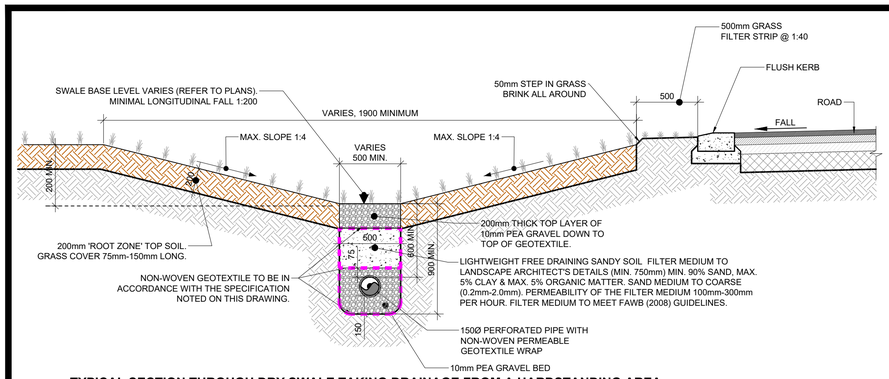
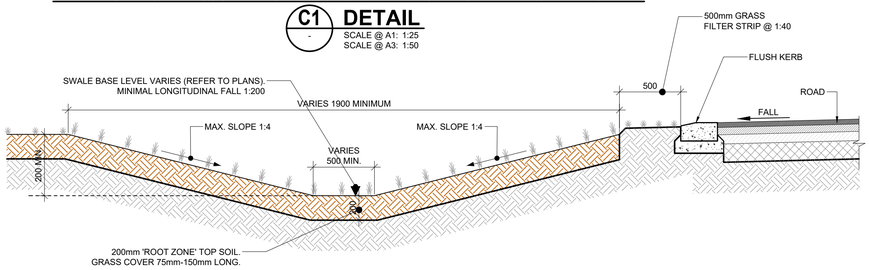
NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECT'S DRAWINGS.FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - 'ASK'.
2. CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.



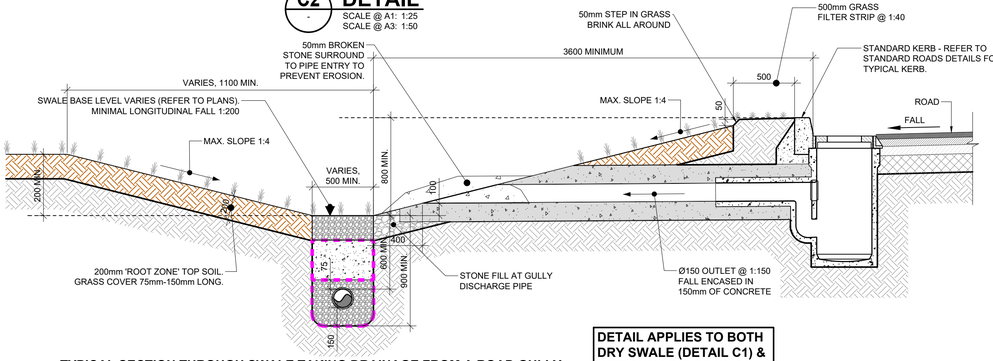
TYPICAL SECTION THROUGH DRY SWALE TAKING DRAINAGE FROM A HARDSTANDING AREA

C1 DETAIL
SCALE @ A1: 1:25
SCALE @ A3: 1:50



TYPICAL SECTION THROUGH WET SWALE TAKING DRAINAGE FROM A HARDSTANDING AREA

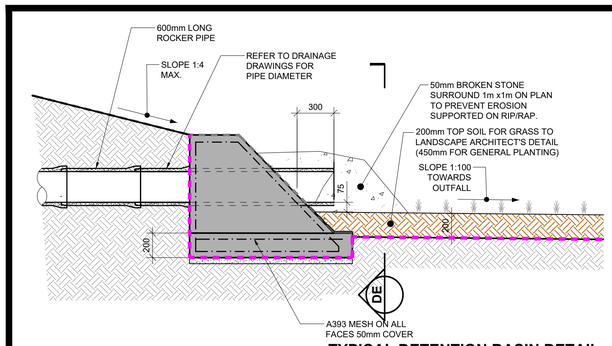
C2 DETAIL
SCALE @ A1: 1:25
SCALE @ A3: 1:50



TYPICAL SECTION THROUGH SWALE TAKING DRAINAGE FROM A ROAD GULLY

DETAIL APPLIES TO BOTH DRY SWALE (DETAIL C1) & WET SWALE (DETAIL C2).

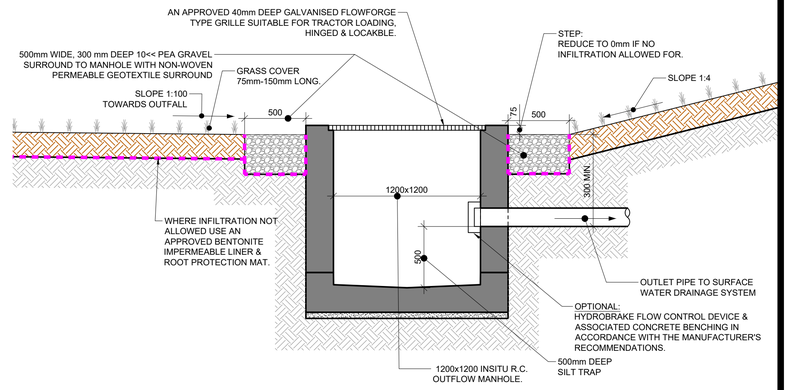
C3 DETAIL
SCALE @ A1: 1:25
SCALE @ A3: 1:50

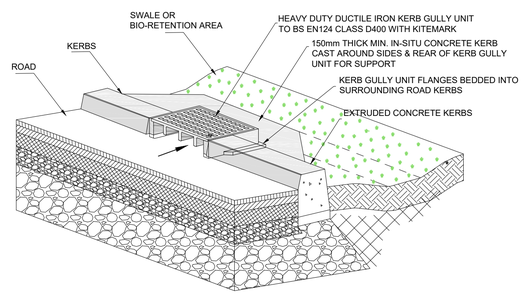


TYPICAL DETENTION BASIN DETAIL

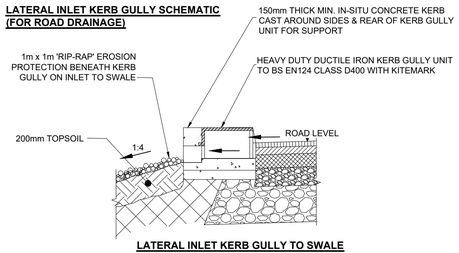
D DETAIL
SCALE @ A1: 1:25
SCALE @ A3: 1:50

NOTE:
LENGTH TO WIDTH RATIO OF BASIN TO BE BETWEEN 3:1 TO 5:1

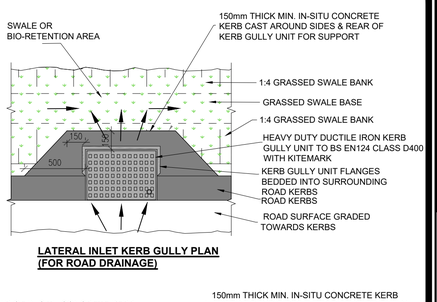




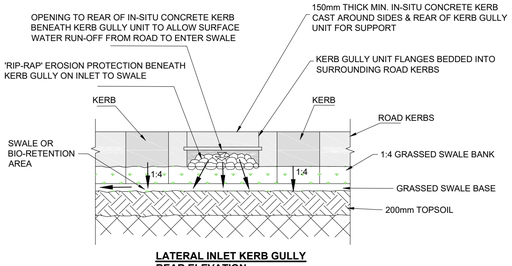
LATERAL INLET KERB GULLY SCHEMATIC (FOR ROAD DRAINAGE)



LATERAL INLET KERB GULLY TO SWALE CROSS SECTION (FOR ROAD DRAINAGE)



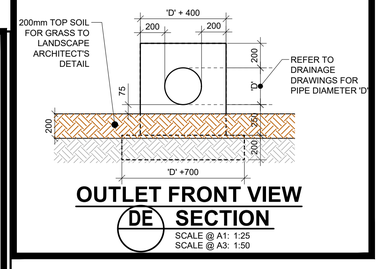
LATERAL INLET KERB GULLY PLAN (FOR ROAD DRAINAGE)



LATERAL INLET KERB GULLY REAR ELEVATION (FOR ROAD DRAINAGE)

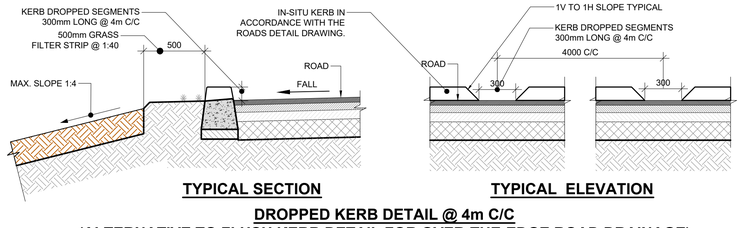
LATERAL INLET KERB GULLY @ 4m C/C
(ALTERNATIVE TO FLUSH KERB DETAIL FOR OVER-THE-EDGE ROAD DRAINAGE)

E DETAIL
SCALE @ A1: NTS
SCALE @ A3: NTS



OUTLET FRONT VIEW

DE SECTION
SCALE @ A1: 1:25
SCALE @ A3: 1:50



TYPICAL SECTION **TYPICAL ELEVATION**

DROPPED KERB DETAIL @ 4m C/C
(ALTERNATIVE TO FLUSH KERB DETAIL FOR OVER-THE-EDGE ROAD DRAINAGE)

F DETAIL
SCALE @ A1: NTS
SCALE @ A3: NTS

MAINTENANCE OF SWALES & DETENTION BASINS:

1. REGULAR GRASS MOWING.
2. SEDIMENT REMOVED IF EQUAL OR MORE THAN 25mm DEEP.
3. CLEARANCE OF ANY BLOCKAGES TO INLETS & OUTLETS.
4. SILT TRAP CLEANING.
5. REPAIR COMPACTED OR DAMAGED AREAS.

NON-WOVEN GEOTEXTILE SPECIFICATION. THE GEOTEXTILE SHALL:

- SUSTAIN A TENSILE LOAD OF NOT LESS THAN 5.0kN/m AT BREAK AND HAVE A MINIMUM FAILURE STRAIN OF 10%

WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 10319;

- HAVE A MINIMUM PUNCTURE RESISTANCE OF 1200 N WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 12236;
- HAVE A SIZE DISTRIBUTION OF PORE OPENINGS SUCH THAT THE APPARENT OPENING SIZE 090 WHEN DETERMINED

IN ACCORDANCE WITH IS EN ISO 12956, OR OTHER APPROPRIATE TEST, IS LESS THAN 300 MICRONS

- ALLOW WATER TO FLOW THROUGH IT, IN EITHER DIRECTION, NORMAL TO ITS PRINCIPAL PLANE AT A RATE OF NOT LESS

THAN 10 l/m²/s, UNDER A CONSTANT HEAD OF WATER OF 100mm AND A MAXIMUM BREAKTHROUGH HEAD OF 50MM WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 12958.

ISSUE	DATE	DESCRIPTION	DRN. / ORIG.	P.E. / P.D.
PL4	09.03.22	ISSUED FOR COMMENT	WK. / WK.	PCO / JPC
PL3	07.01.22	ISSUED FOR COMMENT	WK. / WK.	PCO / JPC

DRAWING STAGE
PLANNING

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CLIENT
LAND DEVELOPMENT AGENCY

PROJECT TITLE	BM PROJECT No.
DUNDRUM CENTRAL DEVELOPMENT	**20.170**

MODEL REFERENCE	MODEL REV.	SUITABILITY

DRAWING TITLE
SuDS DETAILS.
SWALES, DETENTION BASIN & OVER-THE-EDGE ROAD DRAINAGE.

DRAWING No.	ISSUE
DCD-BMD-00-00-DR-C-1210	**PL4**