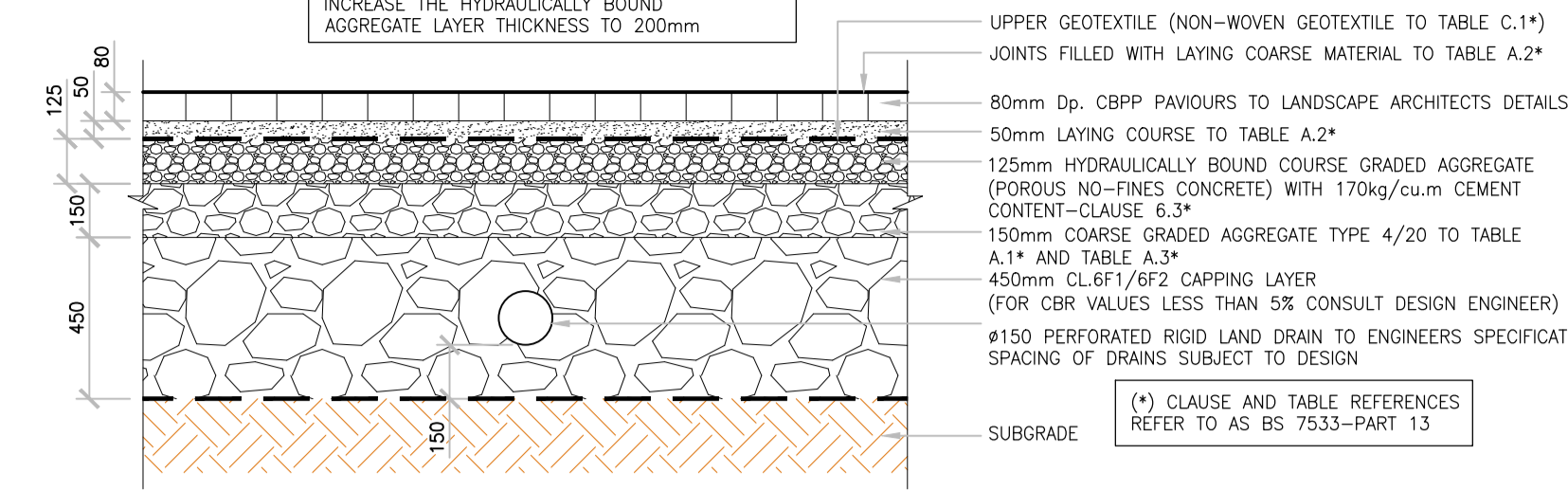
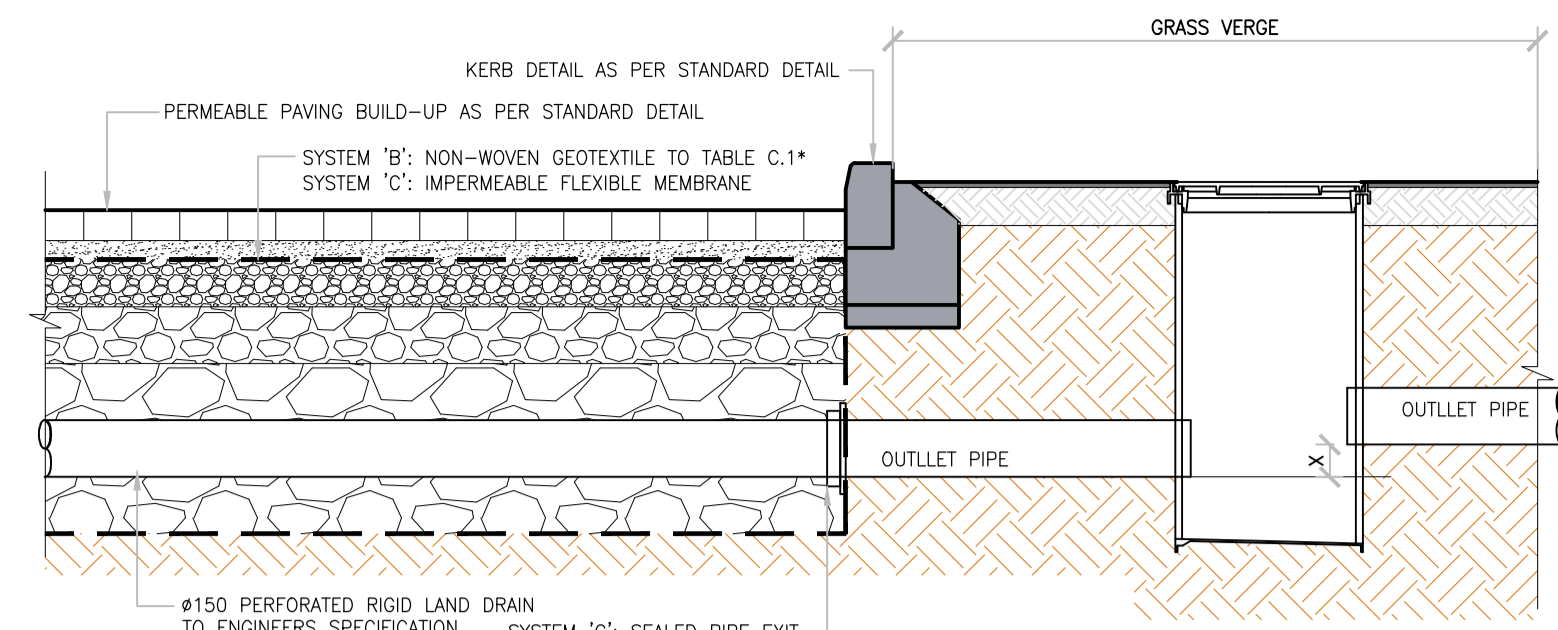


NOTE
FOR PAVED AREAS SUBJECT TO OCCASIONAL
HOV LOADING (e.g. EDGE OF ROAD PARKING BAYS)
INCREASE THE HYDRAULICALLY BOUND
AGGREGATE LAYER THICKNESS TO 200mm



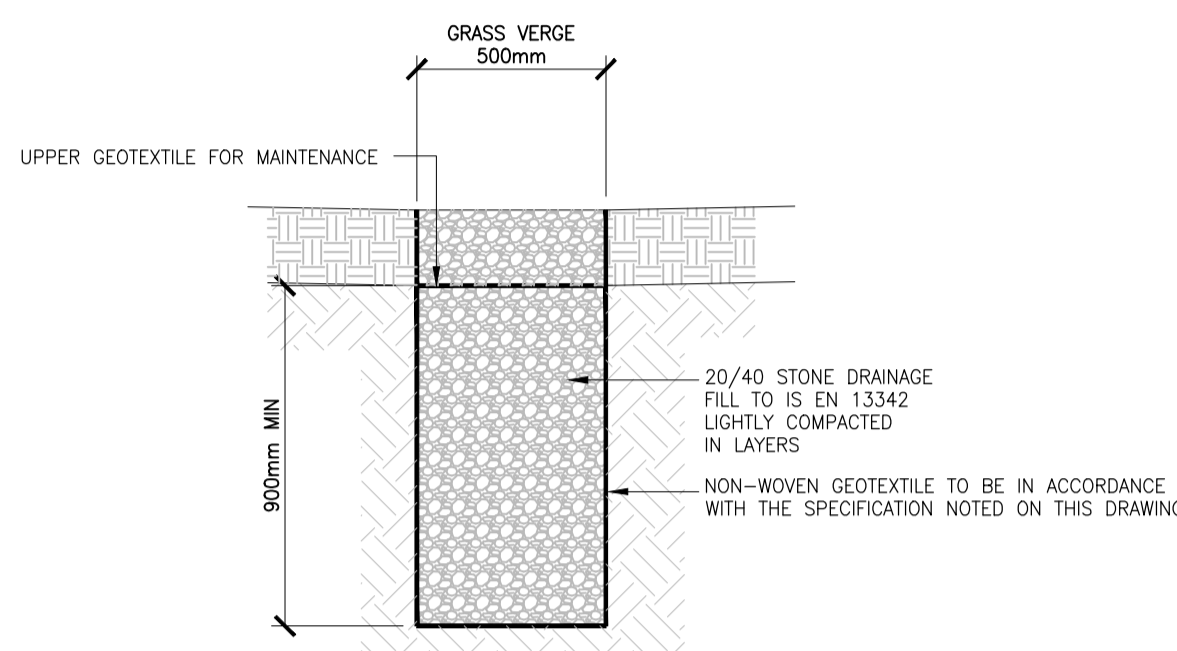
PERMEABLE PAVING TO CAR PARKING BAYS
SCALE 1:20



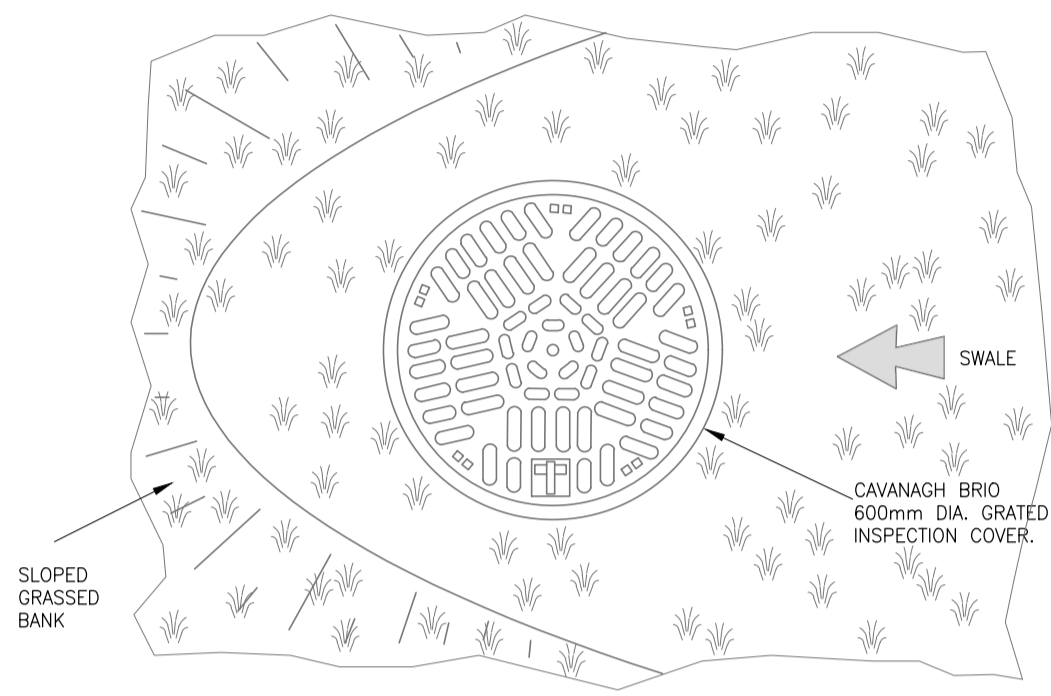
TYPICAL PERMEABLE PAVING OUTLET DETAIL
SCALE 1:20

NO PART OF THIS DRAWING MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR STORED IN ANY RETRIEVAL SYSTEM OF ANY NATURE WITHOUT THE WRITTEN PERMISSION OF MALONE O'REGAN CONSULTING ENGINEERS AS COPYRIGHT HOLDERS EXCEPT AS AGREED FOR USE ON THE PROJECT FOR WHICH THE DRAWING WAS ORIGINALLY CREATED.
THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS, SPECIFICATIONS AND THE PRELIMINARY HEALTH & SAFETY PLAN.
ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE. DO NOT SCALE DIMENSIONS.
THE CONTRACTOR SHALL CHECK ALL DIMENSIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED TO THIS OFFICE IN WRITING.
NOTES

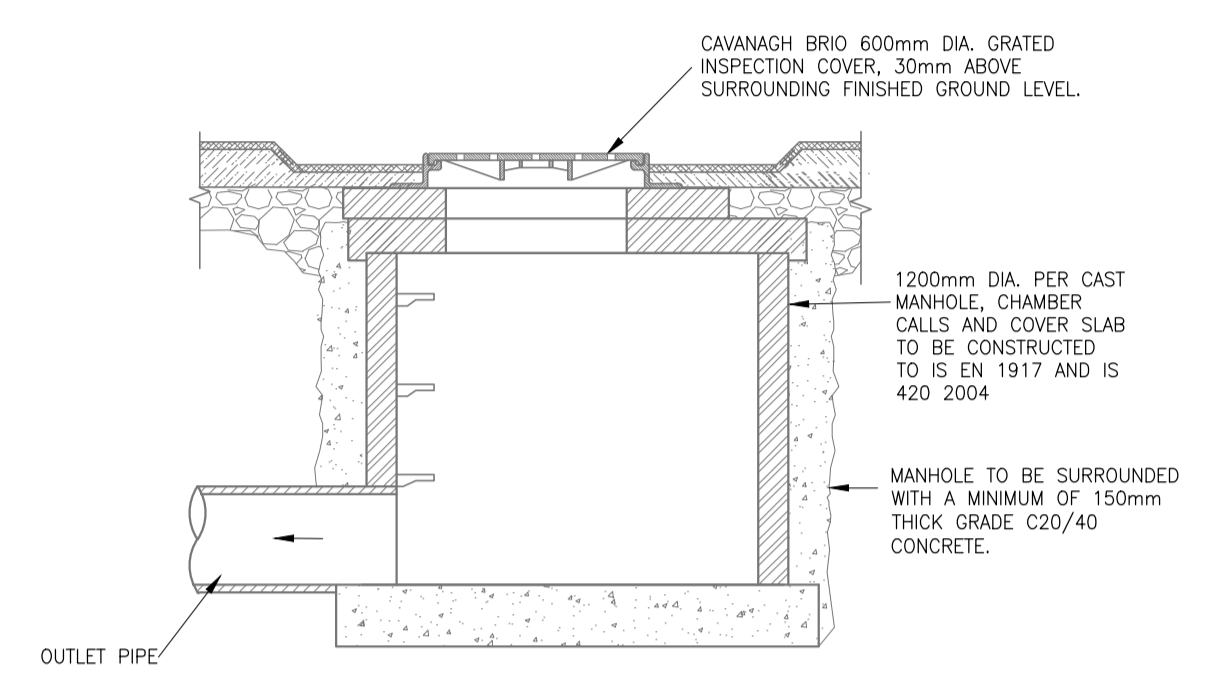
FOOTPATH CONSTRUCTION
100mm GRADE C32/ 40 CONCRETE WITH
1 LAYER A142 MESH ON
200mm CLAUSE 808 HARDCORE



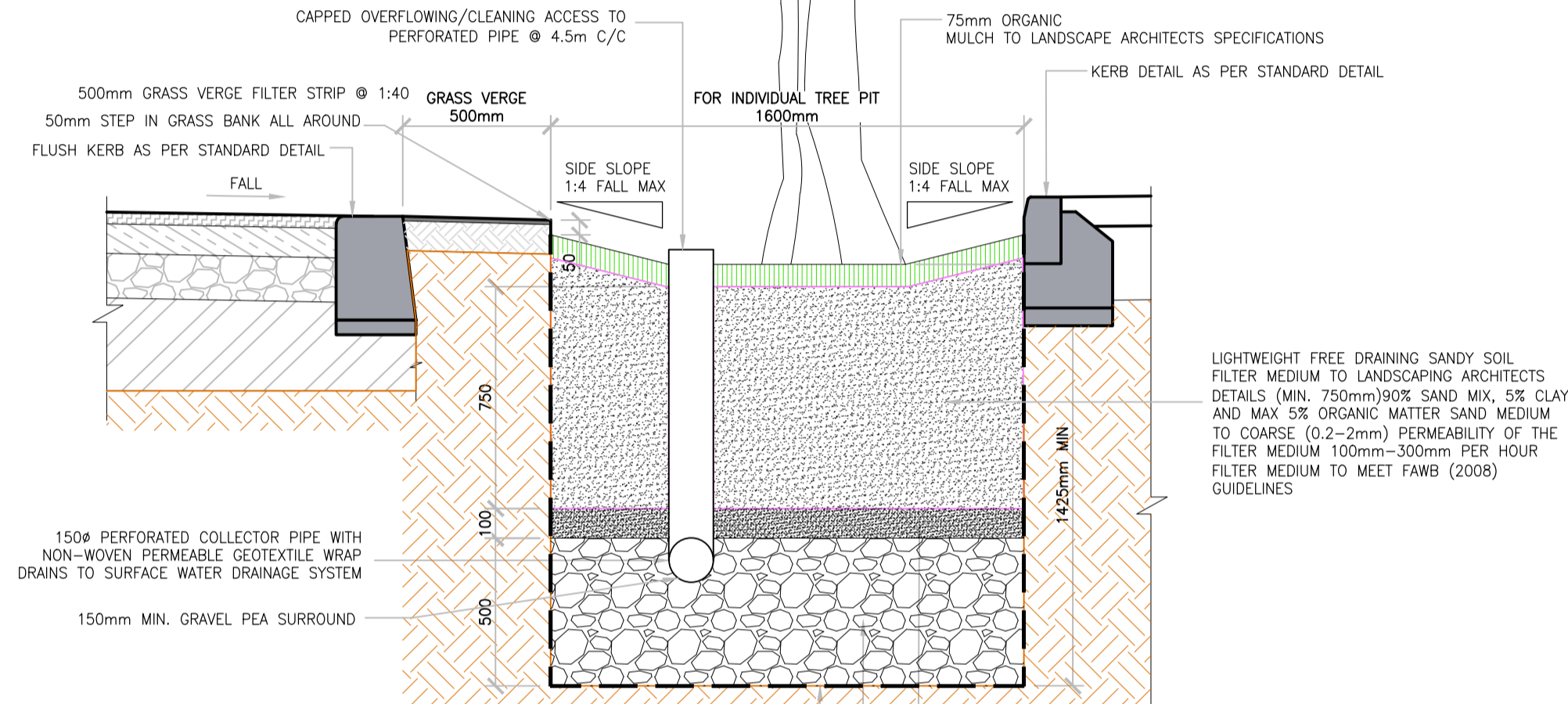
TYPICAL SECTION THROUGH
RAINGARDEN/BIORETENTION AREA
SCALE 1:20



GRATED MANHOLE PLAN DETAIL D.
SCALE: N.T.S.

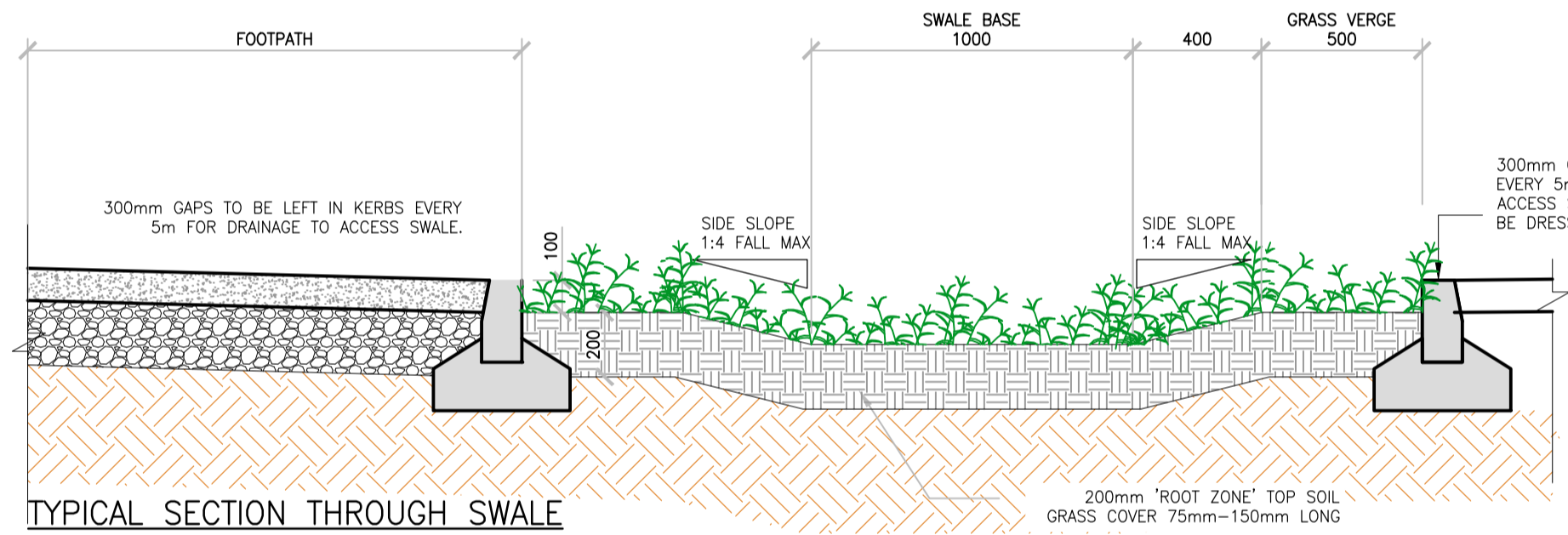


GRATED MANHOLE INLET CHAMBER - CROSS-SECTION
SCALE: N.T.S.

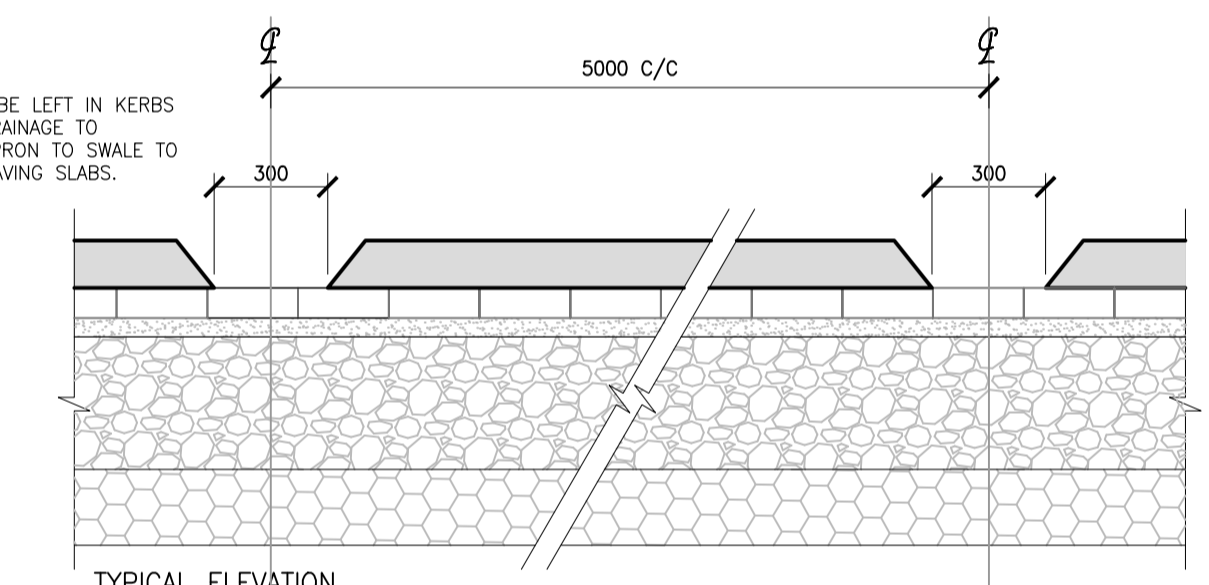


TREE PIT DETAIL
SCALE 1:20

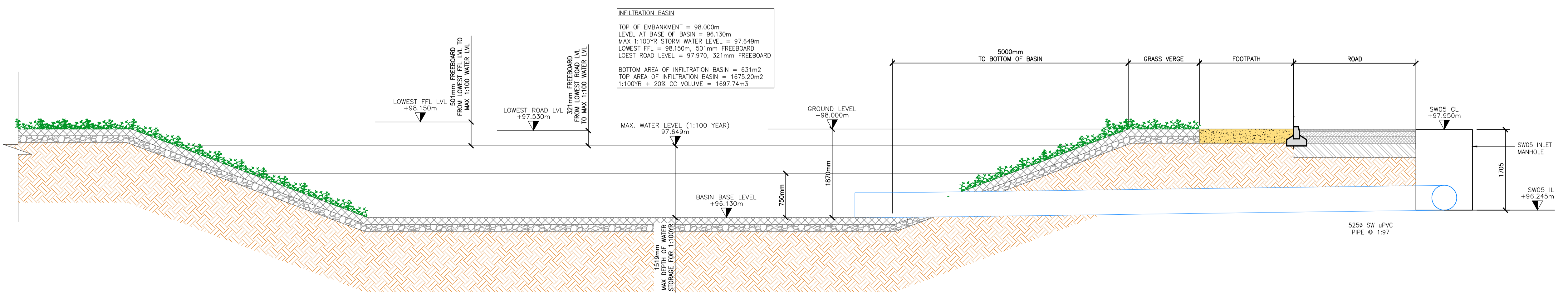
LIGHTWEIGHT FREE DRAINING SANDY SOIL
FILTER MEDIUM TO LANDSCAPING ARCHITECTS
DETAILS (MIN. 750mm) 90% SAND MAX. 5% CLAY
AND MAX 5% ORGANIC MATTER SAND MEDIUM
TO COARSE (0.2-2mm) PERMEABILITY OF THE
FILTER MEDIUM 100mm-300mm PER HOUR
FILTER MEDIUM TO MEET FAWB (2008)
GUIDELINES



TYPICAL SECTION THROUGH SWALE
TAKING DRAINAGE FROM A HARDSTANDING AREA
SCALE 1:20



TYPICAL ELEVATION



INFILTRATION BASIN
SECTION THRU INLET MANHOLE
SCALE 1:50

INFILTRATION BASIN
TOP OF EMBANKMENT = 98.000m
LEVEL AT BASE OF BASIN = 96.130m
MAX 1:100YR STORM WATER LEVEL = 97.649m
LOWEST FFL = 98.150m, 501mm FREEBOARD
LOEST ROAD LEVEL = 97.970, 321mm FREEBOARD
BOTTOM AREA OF INFILTRATION BASIN = 631m²
TOP AREA OF INFILTRATION BASIN = 1675.20m²
1:100YR + 20% CC VOLUME = 1697.74m³

2	INFILTRATION POND AMENDED	17.05.24	KA	DW
1	ATTENUATION POND AMENDED TO DETENTION BASIN TREE PIT DETAIL AMENDED	15.03.24	KA	PB
0	ISSUED FOR INFORMATION	04.02.24	KA	PB
REV	DESCRIPTION	DATE	BY	CHK

P3 - PLANNING

Unit 2B Richview Office Park,
Clonskeagh,
DUBLIN 14
D14 XT57
T: +353 1 260 2655
E: dublin@moroe.ie
W: www.maloneoregan.ie

Offices also in:
GALWAY T: +353 91 531 069 E: galway@moroe.ie
WATERFORD T: +353 51 876 855 E: waterford@moroe.ie

CLIENT
NDFA ON BEHALF OF KILDARE COUNTY COUNCIL

JOB NAME
SHB 4&5 - CGK - COOLAGHKNOCK GLEBE, KILDARE TOWN

SITE DEVELOPMENT DETAILS
SUDS DRAINAGE DETAILS

JOB REF	SHEET	SCALE	DATE	BY	ENG	APP	REV.
23006	A1	SHOWN	OCT'2023	KD	PB	PB	2

DRG. NO.
SHB5-CAD-DR-MOR-CS-P3-151