

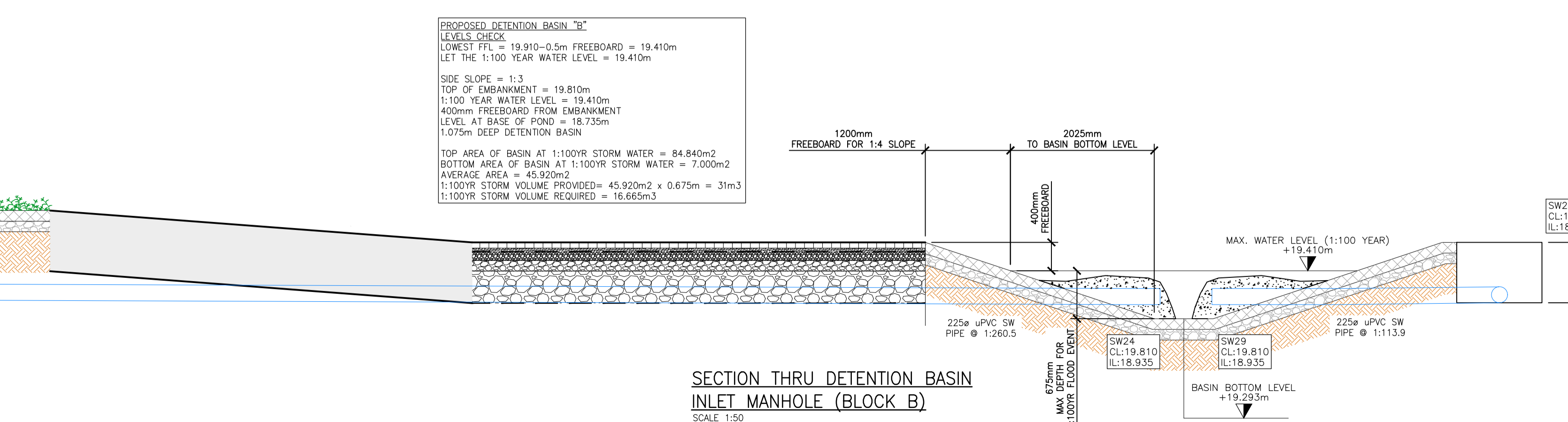
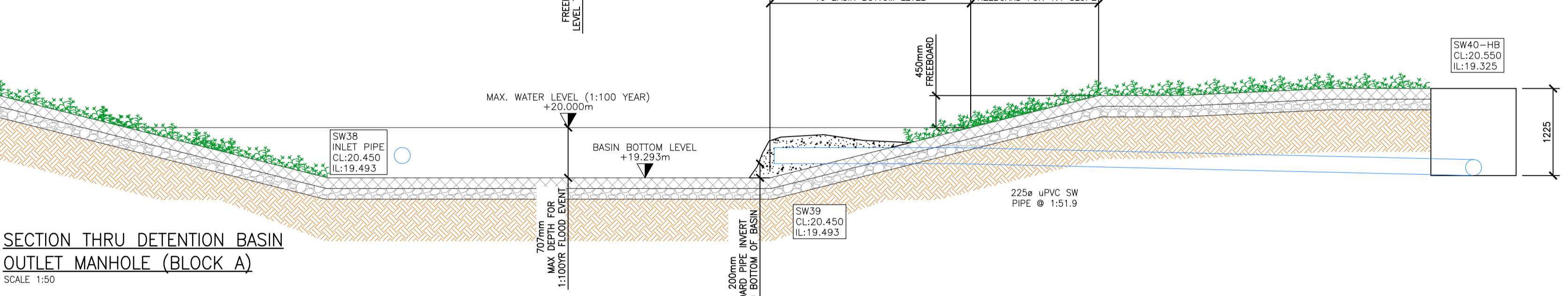
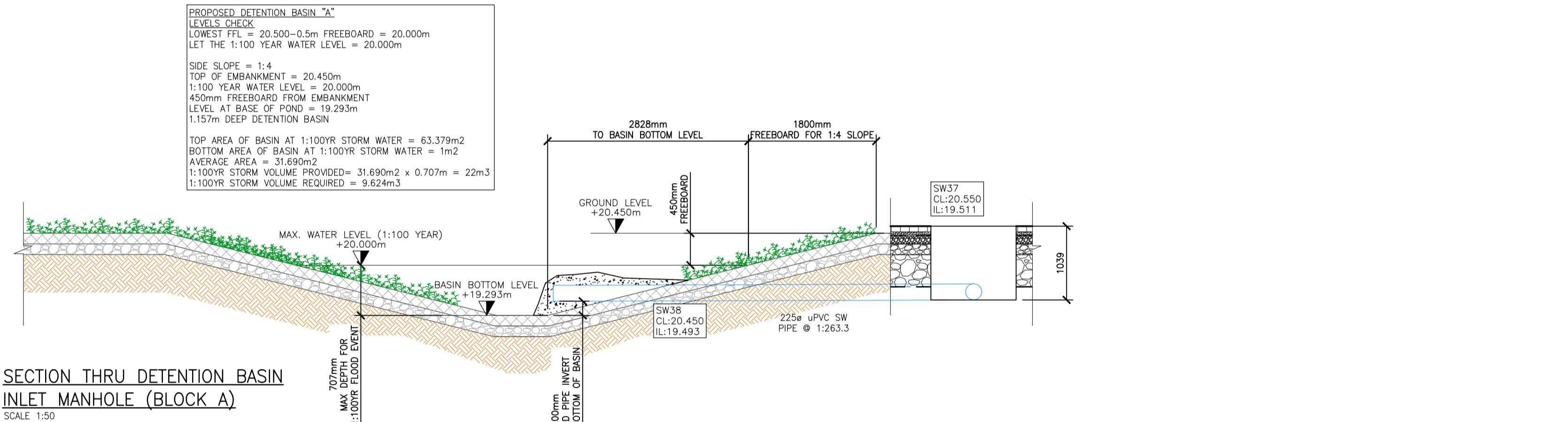
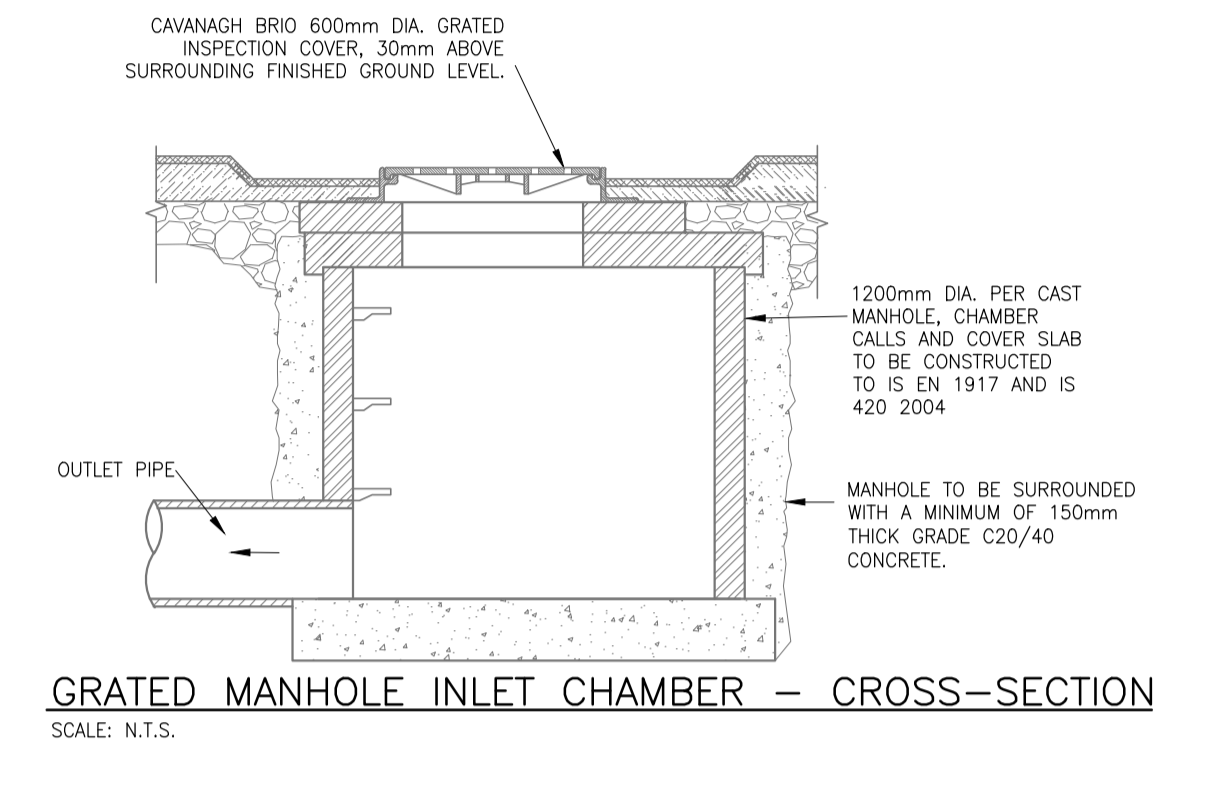
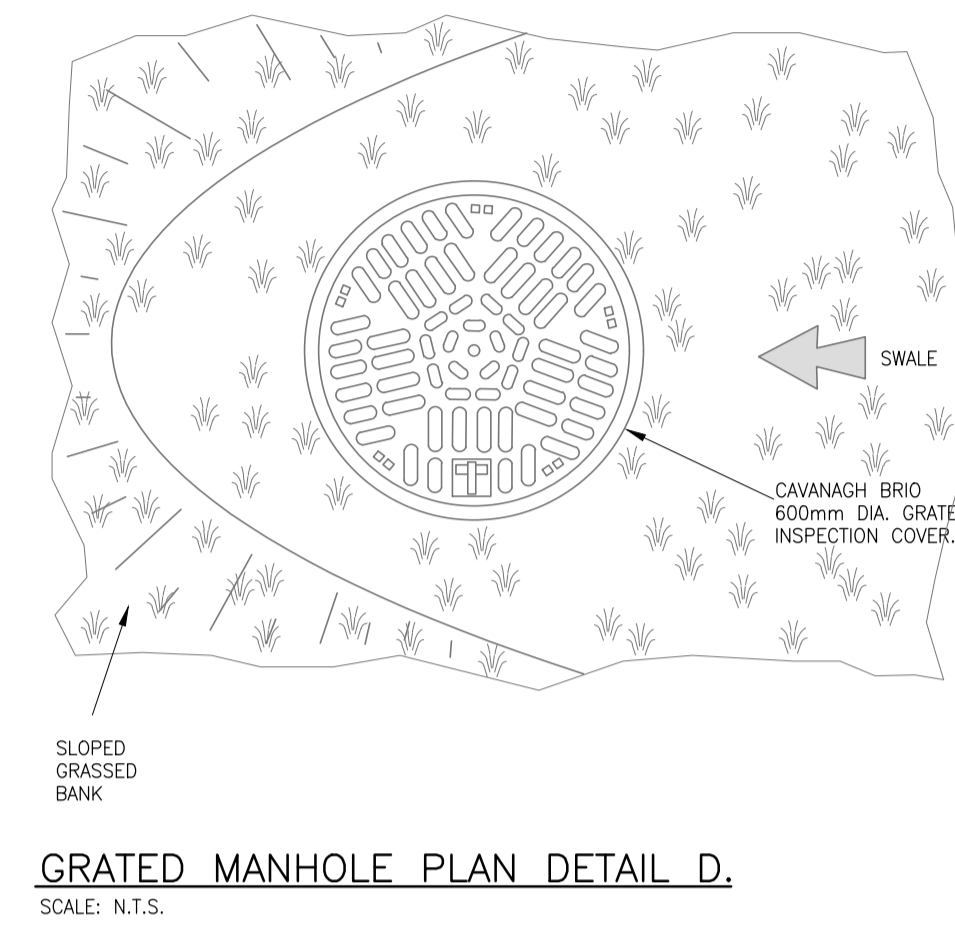
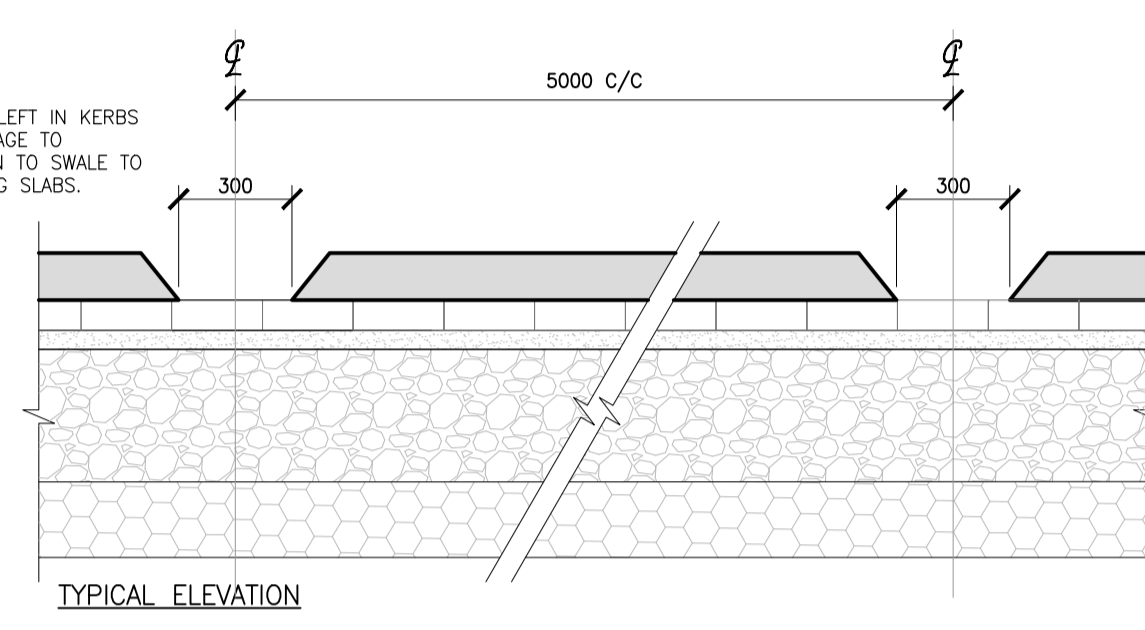
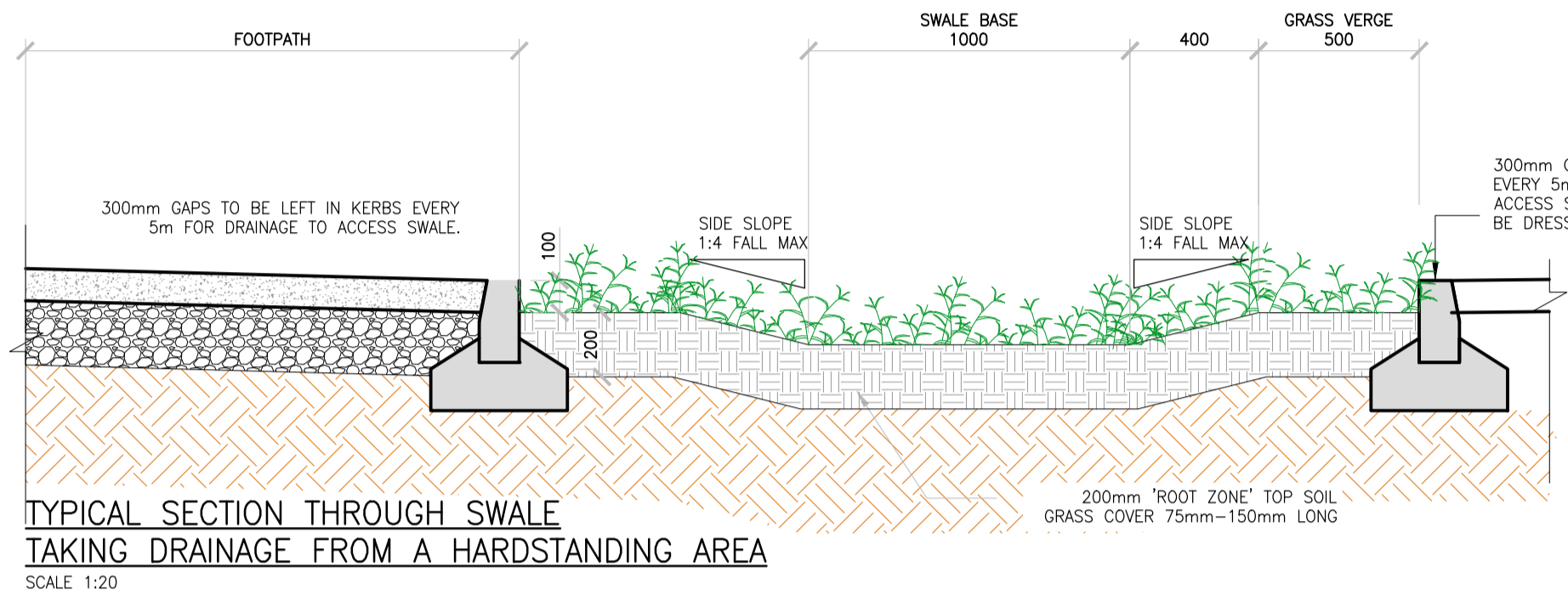
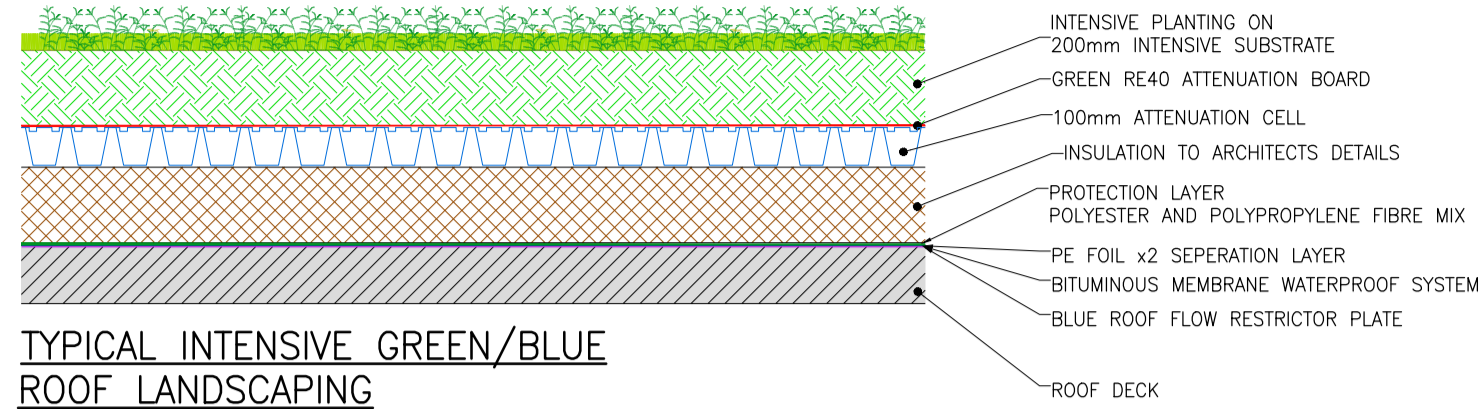
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THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS, SPECIFICATIONS AND THE PRELIMINARY HEALTH & SAFETY PLAN.

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



PROPOSED DETENTION BASIN "A"
LEVELS CHECK
LOWEST FFL = 20.500-0.5m FREEBOARD = 20.000m
LET THE 1:100 YEAR WATER LEVEL = 20.000m

SIDE SLOPE = 1:4
TOP OF EMBANKMENT = 20.450m
1:100 YEAR WATER LEVEL = 20.000m
450mm FREEBOARD FROM EMBANKMENT
LEVEL AT BASE OF POND = 19.293m
1.157m DEEP DETENTION BASIN

TOP AREA OF BASIN AT 1:100YR STORM WATER = 63.379m²
BOTTOM AREA OF BASIN AT 1:100YR STORM WATER = 1m²
AVERAGE AREA = 31.690m²
1:100YR STORM VOLUME PROVIDED = 31.690m² x 0.707m = 22m³
1:100YR STORM VOLUME REQUIRED = 9.624m³

PROPOSED DETENTION BASIN "B"
LEVELS CHECK
LOWEST FFL = 19.910-0.5m FREEBOARD = 19.410m
LET THE 1:100 YEAR WATER LEVEL = 19.410m

SIDE SLOPE = 1:3
TOP OF EMBANKMENT = 19.810m
1:100 YEAR WATER LEVEL = 19.410m
400mm FREEBOARD FROM EMBANKMENT
LEVEL AT BASE OF POND = 18.735m
1.075m DEEP DETENTION BASIN

TOP AREA OF BASIN AT 1:100YR STORM WATER = 84.840m²
BOTTOM AREA OF BASIN AT 1:100YR STORM WATER = 7.000m²
AVERAGE AREA = 45.920m²
1:100YR STORM VOLUME PROVIDED = 45.920m² x 0.675m = 31m³
1:100YR STORM VOLUME REQUIRED = 16.665m³

0	ISSUED FOR PLANNING	30.09.24	KA	DW
REV	DESCRIPTION	DATE	BY	CHK
STATUS				
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:				
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WATERFORD		T: +353 51 876 855	E: waterford@moroe.ie	
CLIENT				
DUBLIN CITY COUNCIL				
JOB NAME				
BASIN VIEW FLATS				
DRG. NAME				
SUDS DRAINAGE DETAILS				
JOB REF	SHEET	SCALE	DATE	BY
23006	A1	SHOWN	JAN'2024	KA
APP	DW	REV	0	
DRG. NO.				
SHB5-BVF-DR-MOR-CS-P3-151				