

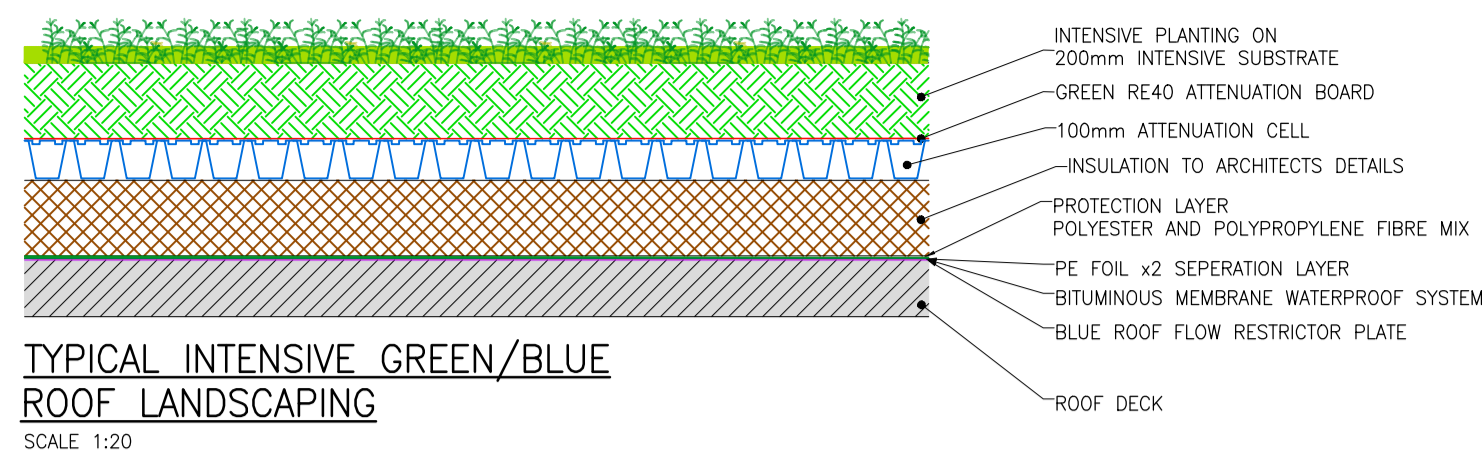
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THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS, SPECIFICATIONS AND THE PRELIMINARY HEALTH & SAFETY PLAN.

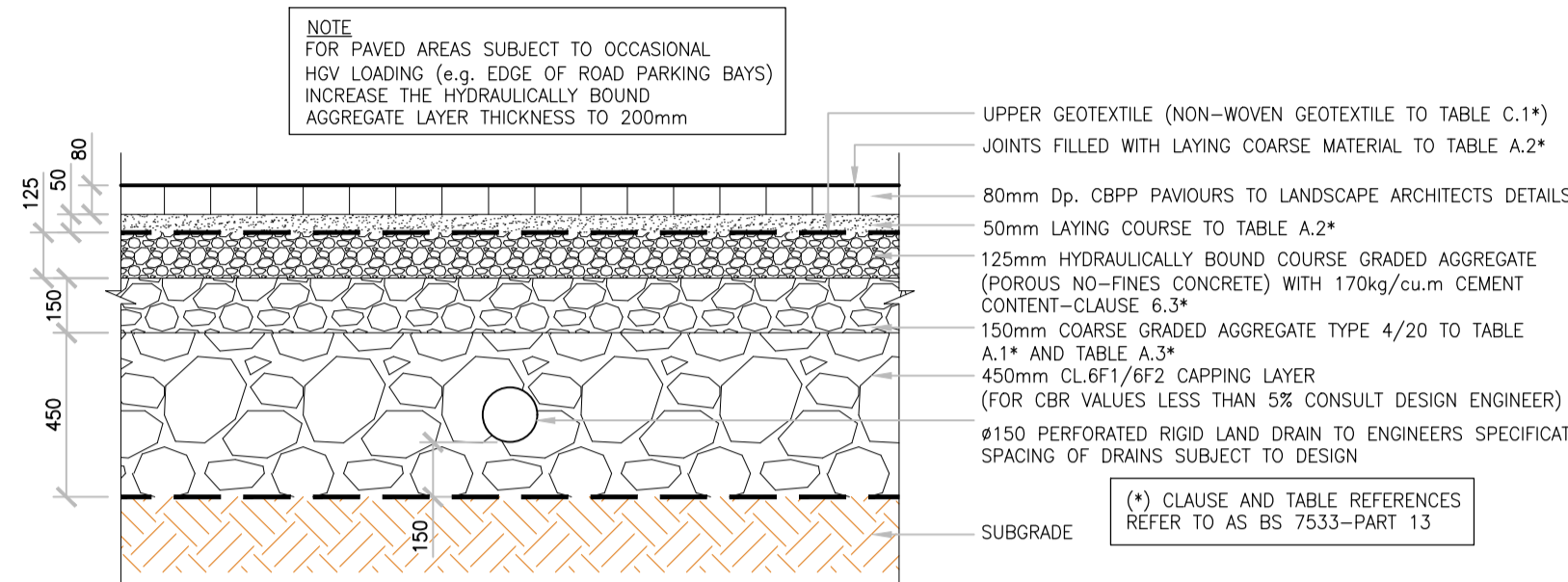
ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE. DO NOT SCALE DIMENSIONS.

THE CONTRACTOR SHALL CHECK ALL DIMENSIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED TO THIS OFFICE IN WRITING.

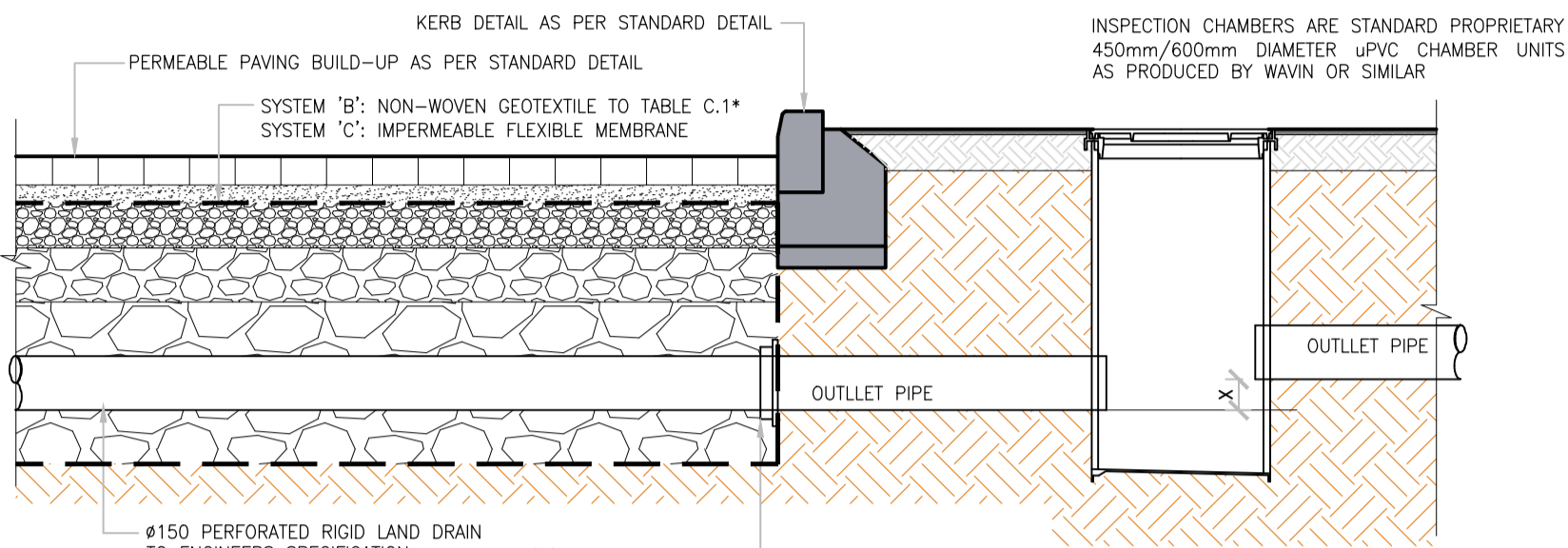
NOTES



TYPICAL INTENSIVE GREEN/BLUE ROOF LANDSCAPING
SCALE 1:20



PERMEABLE PAVING TO CAR PARKING BAYS
SCALE 1:20



TYPICAL PERMEABLE PAVING OUTLET DETAIL
SCALE 1:20

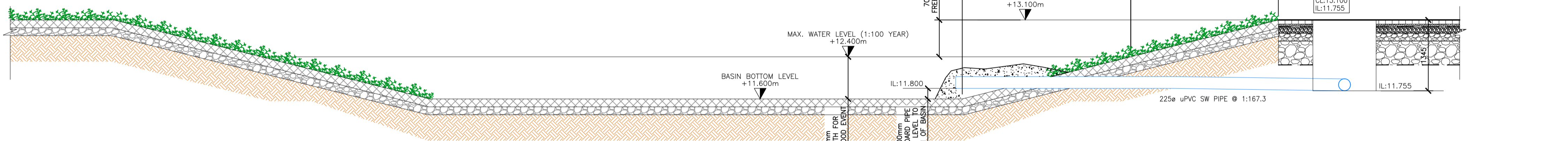
OUTLET PIPE OFFSET DISTANCE 'X' ABOVE THE INLET TO ACHIEVE INTERCEPTION STORAGE IN THE PAVEMENT BUILDUP
 $X = 0.3kA$ WHERE A = PERMANENT AREA
 (ALLOWS FOR 30% VOIDS IN THE GRANULAR LAYER)

DETENTION BASIN - AREA 1

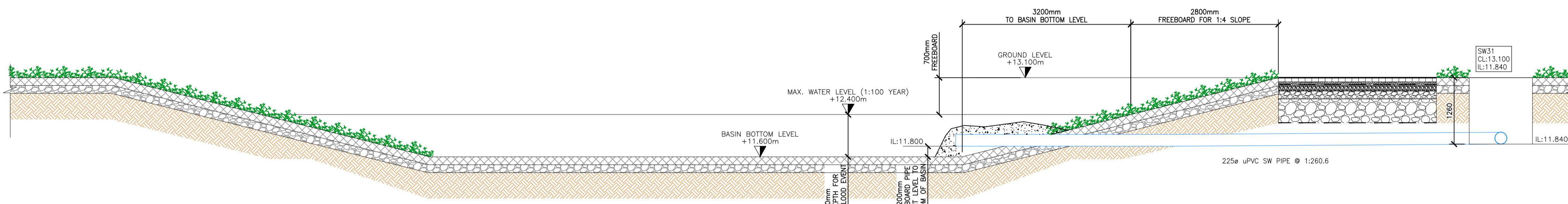
LEVELS CHECK
 LOWEST FFL = 12.550m
 1:100YR WATER LEVEL i.e. 300mm FREEBOARD = 12.250m
 LET THE 1:100 YR WATER LEVEL = 12.100m

DETENTION BASIN
 SIDE SLOPE = 1:4
 TOP OF EMBANKMENT = VARIES BETWEEN 12.600m - 13.600m
 1:100 YEAR WATER LEVEL = 12.100m i.e. 500mm FREEBOARD FROM 1:100YR WATER LEVEL
 800mm DEPTH FOR WATER STORAGE
 BASIN BOTTOM LEVEL = 11.000m

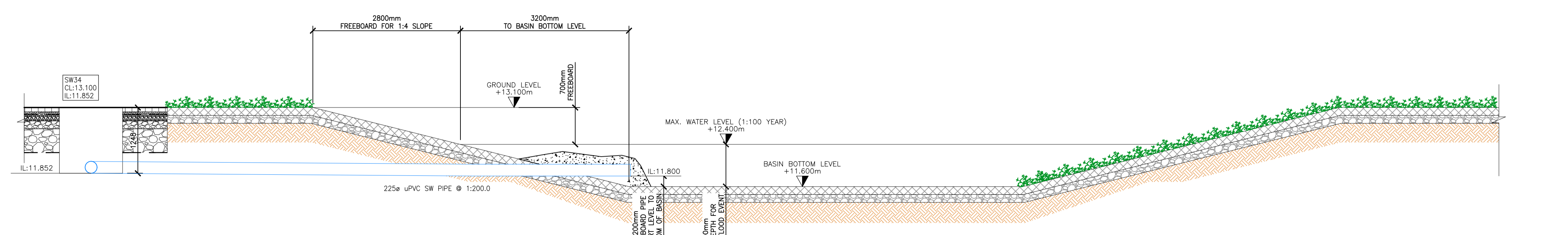
TOP AREA OF BASIN AT 1:100YR STORM WATER = 260.874m²
 BOTTOM AREA OF BASIN AT 1:100YR STORM WATER = 40.660m²
 AVERAGE AREA = 150.767m²
 1:100YR STORM VOLUME PROVIDED = 150.767m² x 1.100m = 165.844m³
 1:100YR STORM VOLUME REQUIRED = 37.340m³



SECTION THRU DETENTION BASIN OUTLET MANHOLE
SCALE 1:50



SECTION THRU DETENTION BASIN INLET MANHOLE
SCALE 1:50



SECTION THRU DETENTION BASIN INLET MANHOLE
SCALE 1:50

4	ISSUED FOR PLANNING	13.09.24	KA	DW
3	ISSUED FOR PLANNING	28.08.24	KA	ND
2	ISSUED FOR INFORMATION	20.05.25	KA	ND
1	ISSUED FOR INFORMATION	23.04.24	KA	ND
0	ISSUED FOR INFORMATION	11.04.24	KD	ND
REV	DESCRIPTION	DATE	BY	CHK

STATUS: **P3 - PLANNING**

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CLIENT: **DUBLIN CITY COUNCIL**

JOB NAME: **SOCIAL HOUSING BUNDLE 4, DEVELOPMENT AT THE STANLEY STREET DEPOT, DUBLIN 7**

ORG NAME: **SITE DEVELOPMENT DETAILS SUDS DRAINAGE DETAILS**

JOB REF	SHEET	SCALE	DATE	BY	ENG	APP	REV.
23006	A1	SHOWN	OCT'2023	KA	PB	PB	4
DRG. NO.	SHB4-SSD-DR-MOR-CS-P3-151						