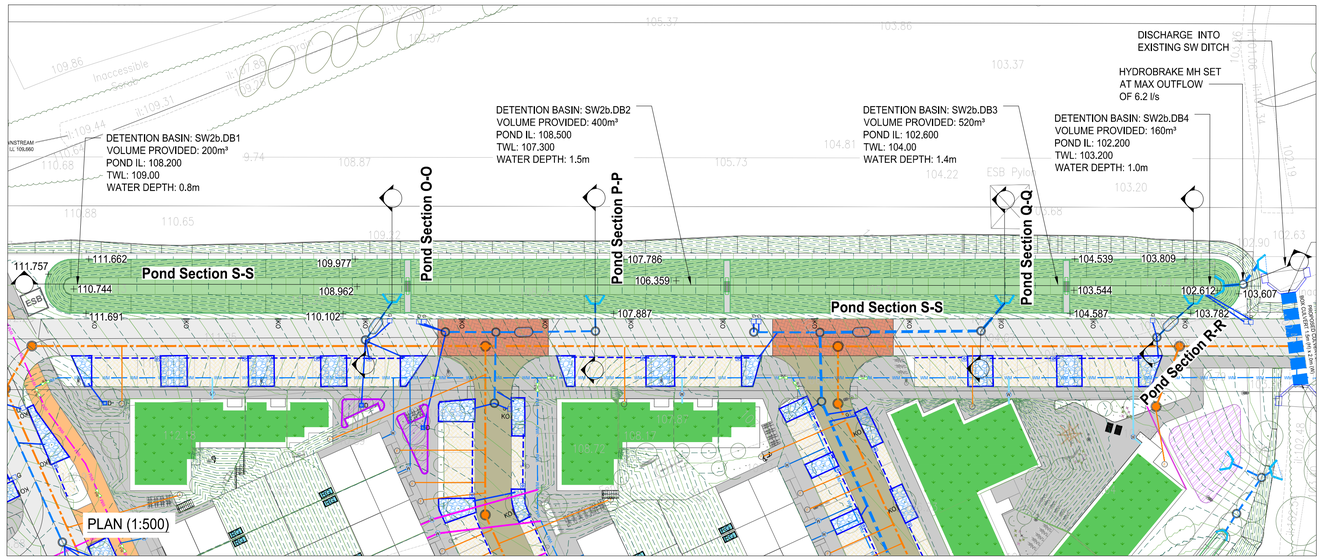
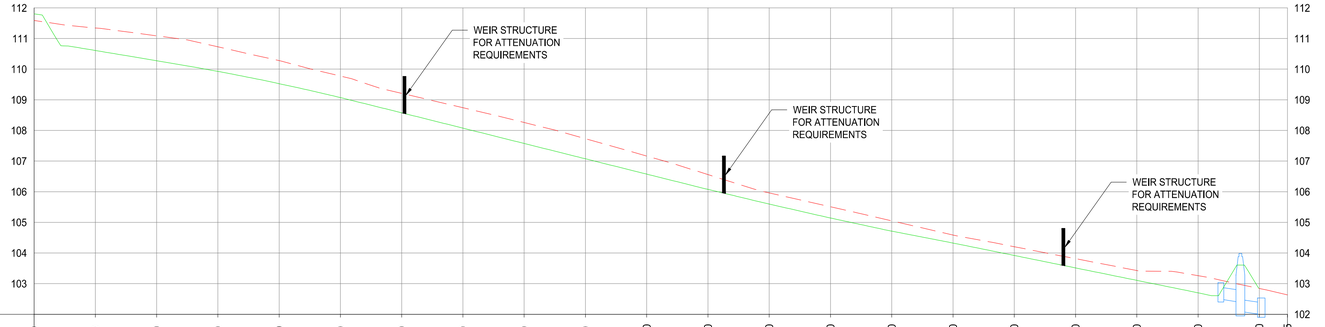
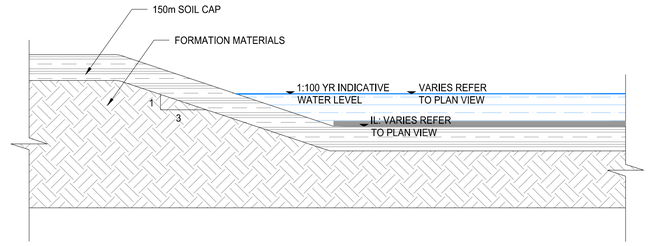


DETENSION BASIN SWb2. DB1-4
Scale 1:250



CHAINAGE	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	180.000	190.000	200.000	204.585
EXISTING LEVELS	111.591	111.344	111.088	110.729	110.281	109.775	109.210	108.742	108.261	107.730	107.165	106.560	105.960	105.509	105.050	104.586	104.206	103.815	103.429	103.261	102.844	102.635
PROPOSED LEVELS	111.802	110.609	110.275	109.927	109.526	109.072	108.576	108.075	107.575	107.075	106.575	106.077	105.597	105.142	104.713	104.325	103.920	103.514	103.108	102.701		
DIFFERENCE BETWEEN EXISTING & PROPOSED	0.211	-0.735	-0.814	-0.802	-0.754	-0.702	-0.635	-0.666	-0.686	-0.655	-0.590	-0.483	-0.363	-0.367	-0.337	-0.261	-0.285	-0.301	-0.322	-0.561		
CHAMBER NUMBER																					SW2b.DB4	SW2b.21	SW2b.OUT
COVER LEVEL																					103.033	103.983	102.533
INVERT LEVEL																					102.500	102.100	102.000
PIPE INVERT LEVELS																					102.400 102.500		102.000 102.100
PIPE DETAILS																					3.192m @ 1:32 375mm∅CONCRETE		3.973m @ 1:40 375mm∅CONCRETE

POND SECTION S-S
SCALE: H 1:250,V 1:50. DATUM: 102.000



TYPICAL POND DETAILS (NTS)

DRAINAGE NOTES

1. ALL PUBLIC SURFACE WATER SEWERS TO BE MINIMUM 225 DIA. CLASS H CONCRETE TO EN1916 & IS 6 2004 IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
2. ALL SURFACE WATER CONNECTIONS TO BE MINIMUM 150mmØ UPVC TO IS EN 1401 2009/2012 IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
3. LOCATION AND INVERT LEVELS OF EXISTING MANHOLES OR OUTFALL POINTS, WHERE APPLICABLE TO BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF DRAINAGE WORKS.
4. ALL COVER LEVELS TO MATCH FINISHED ROAD/VERGE/FOOTPATH/CYCLETRACK LEVELS UNLESS OTHERWISE STATED.

GENERAL NOTES

1. DO NOT SCALE THIS DRAWING. WORK ONLY TO FIGURED DIMENSIONS.
2. FOR ALL RELEVANT NOTES, REFER TO STRUCTURAL AND CIVIL ENGINEERING PERFORMANCE SPECIFICATION.
3. ANY DISCREPANCIES ARE TO BE REPORTED TO PINNACLE CONSULTING ENGINEERS IMMEDIATELY.
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS, ARCHITECTS AND SUB-CONTRACTORS DRAWINGS AND DETAILS.
5. THIS DRAWING IS TO BE PRINTED IN COLOUR.
6. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS EXPRESSLY STATED.
7. EXISTING SITE AND LEVEL INFORMATION TAKEN FROM LAND SURVEYS TOPOGRAPHICAL SURVEY DRAWING D1728F2D DATED 04/10/06.
8. THIS DRAWING HAS BEEN PREPARED USING THE PROPOSED SITE LAYOUT FROM DAVEY + SMITH ARCHITECTS DRAWING IP00 DATED 16/08/24

LEGEND

- PROPOSED PRIVATE FOUL SEWER
- EXISTING FOUL WATER SEWER
- PROPOSED PRIVATE FOUL SEWER RISING MAIN
- WM EXISTING BULK WATERMAIN
- WM EXISTING WATERMAIN
- WM PROPOSED 150mm HDPE, PE100, SDR17 WATERMAIN
- WM PROPOSED 100mm HDPE, PE100, SDR17 WATERMAIN
- W BOUNDARY BOX AND 25mm OD PE80 SERVICE CONNECTION AS PER IRISH WATER STANDARD STD-W-03
- W BOUNDARY BOX AND 32mm OD PE80 SERVICE CONNECTION AS PER IRISH WATER STANDARD STD-W-03
- W BOUNDARY BOX AND 65mm OD PE80 SERVICE CONNECTION AS PER IRISH WATER STANDARD STD-W-03
- RETAINING WALL
- PROPOSED SURFACE WATER SEWER
- EXISTING SURFACE WATER SEWER
- SURFACE WATER SEWER TO BE ABANDONED
- 150mmØ uPVC SURFACE WATER PIPE
- SURFACE WATER FIN DRAIN
- SURFACE WATER LAND DRAIN
- DRAINAGE CHANNEL
- G ROAD GULLY
- RWP RAINWATER DOWNPIPE
- SW INSPECTION CHAMBER WITH SILT TRAP
- D RAIN GARDEN GULLY OVERFLOW
- DETENTION BASIN
- GREEN ROOF
- TRAFFICKED PERMEABLE PAVING
- NON TRAFFICKED PERMEABLE PAVING
- 300mm DEEP RAIN GARDEN
- 900mm DEEP BIO RETENTION TREE PIT
- SUDS DRAINAGE SWALE
- RG RAINGARDEN PLANTER BOX

REV	DESCRIPTION	BY	CHK/APP	DATE
P01	PLANNING	FJVR	JB	02/09/24

CLIENT
CAPAMI LTD

PROJECT
OLDCOURT LRD

DRAWING TITLE
SURFACE WATER ATTENUATION SECTIONS SHEET 8 OF 9

PINNACLE CONSULTING ENGINEERS
GROSVENOR COURT,
67A PATRICK STREET,
DUN LAOGHAIRE,
COUNTY DUBLIN,
IRELAND, A96 W3Y7
TELEPHONE: +353 1 2311041
NORWICH ■ WELWYN GARDEN CITY ■ LONDON ■ THE HAGUE ■ FRANKFURT

DRAWING STATUS				
PLANNING				
SCALE @ A1	DATE	DRAWN BY	CHECKED	APPROVED
AS SHOWN	2024/04/28	FJVR	JB	SOR

DRG NO. P211102-PIN-XX-XX-DR-C-00647-S2
REV. P01
PIN REF: P211102

File Location: S:\02 PROJECTS\2021 PROJECTS\P211102 - OLDCOURT - LAP LAND\S6.0 DRAWINGS\S6.2 PINNACLE\6.2.1 CIVIL\20240502 - PLANNING PACK\DWG\P211102-PIN-XX-XX-DR-C-00648-S2-P01 POND SECTION.DWG