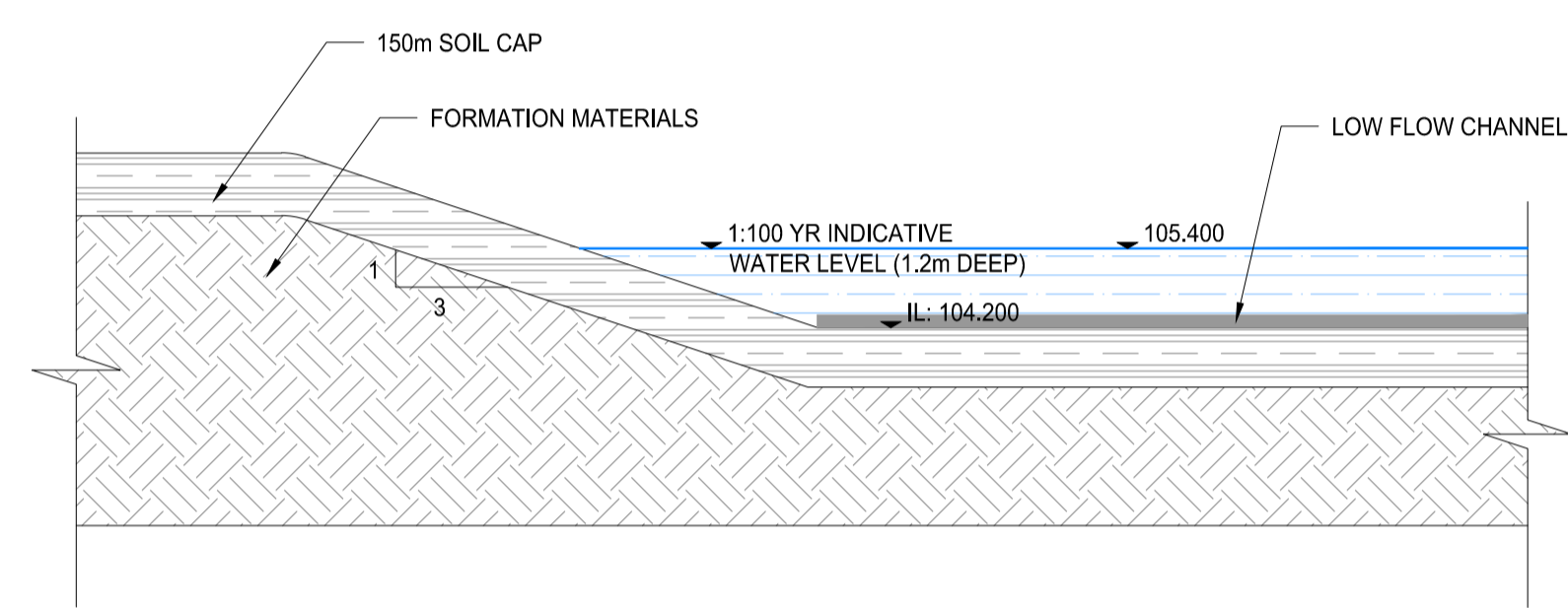


DETENTION BASIN SW3.DB3
Scale 1:250

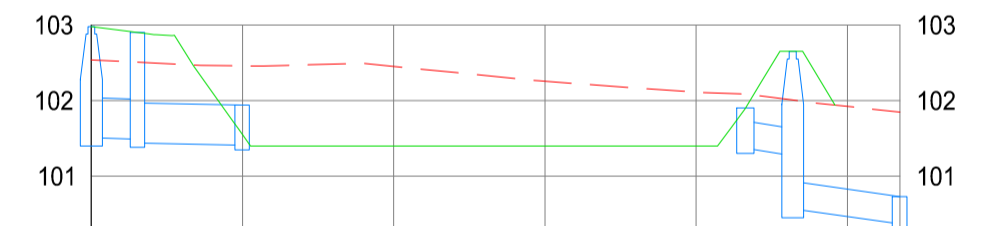


TYPICAL POND DETAILS (NTS)

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

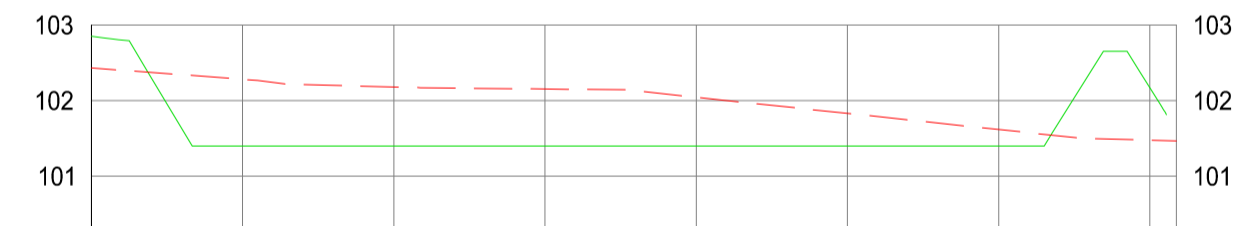
LEGEND

- PROPOSED PRIVATE FOUL SEWER
- EXISTING FOUL WATER SEWER
- PROPOSED PRIVATE FOUL SEWER RISING MAIN
- EXISTING BULK WATERMAIN
- EXISTING WATERMAIN
- PROPOSED 150mm HDPE, PE100, SDR17 WATERMAIN
- PROPOSED 100mm HDPE, PE100, SDR17 WATERMAIN
- BOUNDARY BOX AND 25mm OD PE80 SERVICE CONNECTION AS PER IRISH WATER STANDARD STD-W-03
- BOUNDARY BOX AND 32mm OD PE80 SERVICE CONNECTION AS PER IRISH WATER STANDARD STD-W-03
- 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
- ROAD GULLY
- RAINWATER DOWNPIPE
- SW INSPECTION CHAMBER WITH SILT TRAP
- 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
- RAINGARDEN PLANTER BOX



CHAINAGE	0+000	10,000	20,000	30,000	40,000	50,000	55+480
EXISTING LEVELS	+02.537	+02.459	+02.452	+02.255	+02.111	+01.923	+01.849
PROPOSED LEVELS	+02.279	+01.351	+01.400	+01.400	+01.400	+01.400	+01.400
DIFFERENCE BETWEEN EXISTING & PROPOSED	-0.442	-0.908	-1.052	-0.855	-0.711		
CHAMBER NUMBER	SW3.46 SW P15	SW3.47			SW3.DB3 SW3.57	SW3.OUT	
COVER LEVEL	102.979 102.901	101.940			101.901 102.650	100.731	
INVERT LEVEL	101.550 101.480	101.450			101.400 100.600	100.400	
PIPE INVERT LEVELS	101.530 101.550	101.480 101.450			101.300 101.400	100.600 100.400	
PIPE DETAILS							

POND SECTION I-I
SCALE: H 1:250, V 1:50. DATUM: 100.000



CHAINAGE	0+000	10,000	20,000	30,000	40,000	50,000	60,000	70,000	74+741
EXISTING LEVELS	+02.433	+02.281	+02.179	+02.153	+02.044	+01.831	+01.618	+01.476	+01.466
PROPOSED LEVELS	+02.849	+01.400	+01.400	+01.400	+01.400	+01.400	+01.400	+01.400	+02.167
DIFFERENCE BETWEEN EXISTING & PROPOSED	-0.416	-0.881	-0.779	-0.753	-0.644	-0.431	-0.218	0.691	

POND SECTION J-J
SCALE: H 1:250, V 1:50. DATUM: 100.000

- DRAINAGE NOTES**
- 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.
 - 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.
 - LOCATION AND INVERT LEVELS OF EXISTING MANHOLES OR OUTFALL POINTS, WHERE APPLICABLE TO BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF DRAINAGE WORKS.
 - ALL COVER LEVELS TO MATCH FINISHED ROAD/VERGE/FOOTPATH/CYCLETRACK LEVELS UNLESS OTHERWISE STATED.

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

CLIENT
CAPAMI LTD

PROJECT
OLDCOURT LRD

DRAWING TITLE
SURFACE WATER ATTENUATION SECTION SHEET 5 OF 9

PINNACLE CONSULTING ENGINEERS

GROSVENOR COURT,
67A PATRICK STREET,
DUN LAOGHAIRE,
COUNTY DUBLIN,
IRELAND, A66 W3Y7
NORWICH ■ WELWYN GARDEN CITY ■ LONDON ■ THE HAGUE ■ FRANKFURT

SCALE @ A1	DATE	DRAWN BY	CHECKED	APPROVED
AS SHOWN	2024/04/28	FJVR	JB	SOR
DRG NO.	P211102-PIN-XX-DR-C-00644-S2			REV. P01