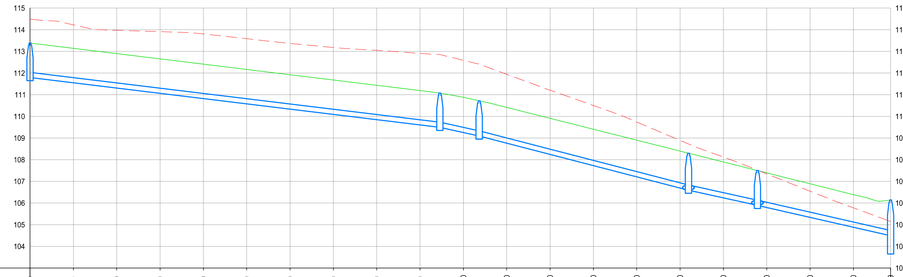
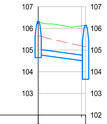


CHAINAGE	00.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	180.000	190.000	195.579
EXISTING LEVELS	114.491	114.223	113.973	113.911	113.804	113.585	113.368	113.180	113.048	112.906	112.587	111.942	111.209	110.503	109.738	108.889	108.125	107.345	106.547	105.777	105.149
PROPOSED LEVELS	113.385	113.142	112.888	112.654	112.410	112.168	111.922	111.678	111.434	111.191	110.880	110.413	109.910	109.406	108.902	108.399	107.895	107.392	106.888	106.386	105.941
DIFFERENCE BETWEEN EXISTING & PROPOSED	-1.106	-1.081	-1.075	-1.257	-1.394	-1.419	-1.446	-1.501	-1.613	-1.715	-1.707	-1.528	-1.300	-1.097	-0.835	-0.490	-0.230	0.047	0.341	0.609	0.793
CHAMBER NUMBER	SW1c.13									SW1c.1	SW1c.2					SW1c.3		SW1c.4			SW1c.5
COVER LEVEL	113.385									111.977	110.717					108.301		107.500			
INVERT LEVEL	111.800									109.500	109.100					106.600		105.900			
PIPE INVERT LEVELS	111.800									109.500 109.500	109.100 109.100					106.600 106.600		105.900 105.900			104.500
PIPE DETAILS	94.570m @ 1:41 225mmø CONCRETE									9.068m @ 1:23 225mmø CONCRETE		48.296m @ 1:19 225mmø CONCRETE					15.917m @ 1:23 225mmø CONCRETE		30.727m @ 1:22 225mmø CONCRETE		

SW LS - 1.9
SCALE: H 1:500,V 1:100. DATUM: 103.000

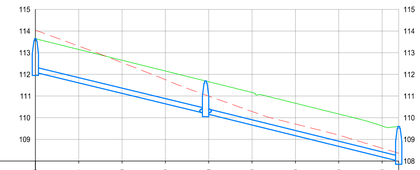


CHAINAGE	00.000	10.000	18.500
EXISTING LEVELS	105.655	105.190	105.140
PROPOSED LEVELS	106.319	106.111	105.941
DIFFERENCE BETWEEN EXISTING & PROPOSED	0.664	0.921	0.801
CHAMBER NUMBER	SW1a.S1	SW1c.5	
COVER LEVEL	106.318		
INVERT LEVEL	104.800		
PIPE INVERT LEVELS	104.800	104.500	
PIPE DETAILS	0.940m @ 1:39 225mmø CONCRETE		

SW LS - 1.10
SCALE: H 1:500,V 1:100. DATUM: 102.000

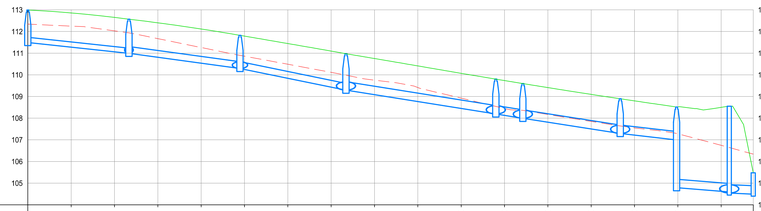
CHAINAGE	00.000	10.000	10.001	
EXISTING LEVELS	103.256	102.951	102.951	
PROPOSED LEVELS	102.669	102.111	102.111	
DIFFERENCE BETWEEN EXISTING & PROPOSED	-0.578	-0.840	-0.840	
CHAMBER NUMBER	SW1c.DB1	SW1c.10	SW1c.OUT	
COVER LEVEL	102.889	104.095		
INVERT LEVEL	102.250	102.150		
PIPE INVERT LEVELS	102.250 102.150	102.150 102.000		
PIPE DETAILS	5.306m @ 1:53 225mmø CONCRETE		4.935m @ 1:33 225mmø CONCRETE	

SW LS - 1.11
SCALE: H 1:500,V 1:100. DATUM: 100.000



CHAINAGE	00.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	83.941
EXISTING LEVELS	114.042	113.305	112.544	111.755	110.998	110.285	109.707	109.196	108.592	108.360
PROPOSED LEVELS	113.845	113.148	112.652	112.156	111.659	111.163	110.666	110.170	109.620	109.397
DIFFERENCE BETWEEN EXISTING & PROPOSED	-0.197	-0.157	0.108	0.401	0.662	0.878	0.960	0.974	1.028	1.037
CHAMBER NUMBER	SW14.8				SW14.1					SW14.2
COVER LEVEL	113.845				111.696					
INVERT LEVEL	112.100				110.200					
PIPE INVERT LEVELS	112.100				110.200 110.200					108.000
PIPE DETAILS	39.268m @ 1:21 225mmø CONCRETE				44.573m @ 1:20 225mmø CONCRETE					

SW LS - 1.13
SCALE: H 1:500,V 1:100. DATUM: 108.000



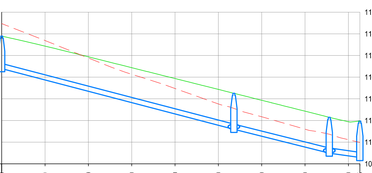
CHAINAGE	00.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	167.393
EXISTING LEVELS	112.991	112.857	112.651	112.402	112.115	111.789	111.444	111.096	110.753	110.412	110.070	109.736	109.411	109.097	108.798	108.521	108.498	105.478
PROPOSED LEVELS	112.340	112.248	112.031	111.671	111.260	110.861	110.488	110.114	109.755	109.413	109.024	108.450	108.172	107.851	107.549	107.289	106.746	106.340
DIFFERENCE BETWEEN EXISTING & PROPOSED	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHAMBER NUMBER	SW2a.13		SW2a.10			SW2a.9			SW2a.5			SW14.3	SW14.2			SW14.4		SW14.5		SW PI.4	SW14.6
COVER LEVEL	112.991		112.567			111.824			110.975			109.803	109.597			108.897		108.514		108.502	105.478
INVERT LEVEL	111.500		111.000			110.300			109.300			108.200	108.000			107.300		104.800		104.550	104.500
PIPE INVERT LEVELS	111.500		111.000 111.000			110.300 110.300			109.300 109.300			108.200 108.200	108.000 108.000			107.300 107.300		107.000 104.800		104.600 104.550	104.500 104.500
PIPE DETAILS	23.334m @ 1:47 225mmø CONCRETE			25.617m @ 1:37 300mmø CONCRETE			24.464m @ 1:24 300mmø CONCRETE			34.578m @ 1:31 375mmø CONCRETE				22.459m @ 1:32 375mmø CONCRETE				12.149m @ 1:61 375mmø CONCRETE	

6.243m @ 1:31
375mmø CONCRETE

13.016m @ 1:43
375mmø CONCRETE

5.533m @ 1:111
375mmø CONCRETE

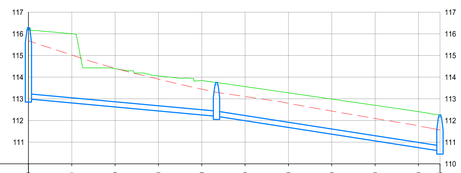
SW LS 1.12
SCALE: H 1:500,V 1:100. DATUM: 104.000



CHAINAGE	00.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	82.645
EXISTING LEVELS	115.471	114.691	113.885	113.134	112.477	111.764	111.171	110.597	110.114	109.966
PROPOSED LEVELS	114.895	114.434	113.940	113.439	112.937	112.435	111.934	111.439	110.941	110.975
DIFFERENCE BETWEEN EXISTING & PROPOSED	-0.576	-0.257	0.054	0.304	0.459	0.671	0.764	0.833	0.827	0.969
CHAMBER NUMBER	SW2a.1					SW2a.2			SW2a.4	SW2a.5
COVER LEVEL	114.895					112.256			111.149	
INVERT LEVEL	113.400					110.600			109.500	
PIPE INVERT LEVELS	113.400					110.600 110.600			109.500 109.500	109.300
PIPE DETAILS	53.574m @ 1:19 225mmø CONCRETE					22.020m @ 1:20 225mmø CONCRETE				

7.050m @ 1:35
225mmø CONCRETE

SW LS - 1.14
SCALE: H 1:500,V 1:100. DATUM: 109.000



CHAINAGE	00.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000
EXISTING LEVELS	115.876	115.021	114.412	113.909	113.447	113.106	112.794	112.435	112.092	111.746
PROPOSED LEVELS	116.283	116.008	114.392	114.059	113.847	113.565	113.277	112.989	112.701	112.408
DIFFERENCE BETWEEN EXISTING & PROPOSED	0.407	0.987	-0.020	0.150	0.400	0.459	0.483	0.553	0.609	0.662
CHAMBER NUMBER	SW2a.RG3				SW2a.3					SW2a.2
COVER LEVEL	116.283				113.755					
INVERT LEVEL	113.000				112.200					
PIPE INVERT LEVELS	113.000				112.200 112.200					110.600
PIPE DETAILS	43.399m @ 1:54 225mmø CONCRETE				51.567m @ 1:32 225mmø CONCRETE					

SW LS - 1.15
SCALE: H 1:500,V 1:100. DATUM: 110.000

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

NGL
DESIGN SURFACE

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

CLIENT
CAPAMI LTD

PROJECT
OLDCOURT LRD
-
-

DRAWING TITLE
SURFACE WATER
LONGSECTIONS
SHEET 2

PINNACLE CONSULTING ENGINEERS

GROSVENOR COURT,
61A PATRICK STREET,
DUN LAOGHAIRE,
COUNTY DUBLIN
IRELAND.
TELEPHONE: +353.1231.1041
WELWYN GARDEN CITY ■ NORWICH ■ LONDON ■ THE HAGUE ■ FRANKFURT

DRAWING STATUS				
PLANNING				
SCALE @ A0	DATE	DRAWN BY	CHECKED	APPROVED
1:500	30/07/2024	FJVR	JB	SOR

DRG NO. P211102-PIN-XX-XX-DR-C-00632-S2
REV. P01

COPYRIGHT PINNACLE

File Location: S:\03-PROJECTS\2021 PROJECTS\P211102 - OLDCOURT - LAP LANDS\6-DRAWINGS\6-2 PINNACLE\6-2.1 CIVIL\00-DRG\P211102-PIN-XX-XX-DR-C-00630-S3-P01 SURFACE WATER LONG SECTIONS.DWG

P211102-PIN-XX-XX-DR-C-00630-S2