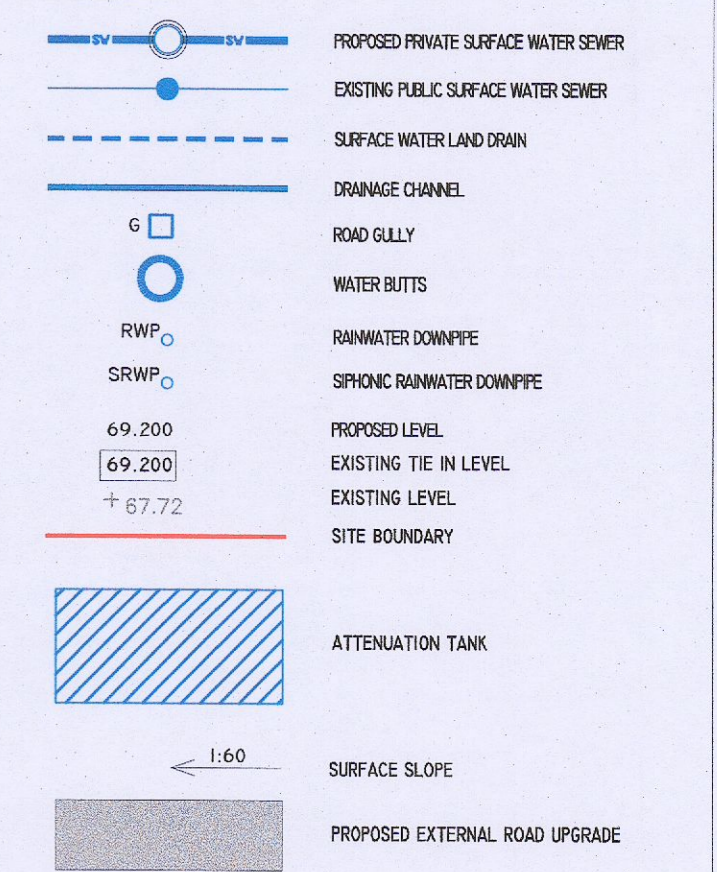


**GENERAL NOTES**

- 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.

**LEGEND**



PLANNING REGISTRATION REFERENCE:  
ST17A/0468

0 50MM ON A1 DWG. 50

POI	COMPLIANCE	FJVR	SO'R	APR 2022
REV	DESCRIPTION	BY	CHK	DATE

CLIENT  
**CAPAMI LTD**

PROJECT  
**OLDCOURT  
OCIL 4**

DRAWING TITLE  
**PROPOSED SURFACE  
WATER DRAINAGE LAYOUT  
SHEET 1 OF 2**

**PINNACLE  
CONSULTING ENGINEERS**

GROSVENOR COURT,  
67A PATRICK STREET,  
DUN LAOGHAIRE,  
COUNTY DUBLIN  
IRELAND.  
TELEPHONE: +353 1231 1041  
MELWYN GARDEN CITY | NORWICH | LONDON | THE HAGUE

DRAWING STATUS			
COMPLIANCE			
SCALE @ A1	DATE	DRAWN BY	CHECKED
1:500	JAN '22	FJVR	SO'R
DRG NO.	PI90302-250	REVISION	P01

- DRAINAGE NOTES:**
- ALL FOUL SEWERS, MANHOLES AND CONNECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE AND IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS.
  - ALL FOUL SEWER HOUSE CONNECTIONS TO BE MIN 100MM Ø PVC TO IS EN 1401 2009/2012, STIFFNESS CLASS 8KN/M2 IN ACCORDANCE WITH IRISH WATER SPECIFICATIONS.
  - ALL PUBLIC FOUL SEWERS TO BE MINIMUM 225MM DIAMETER THERMOPLASTIC STRUCTURED WALL PIPES TO IS EN 13746 (2007/2009), TYPE SN8 AND WIS 4-35-01 (2008) AND COMPLY WITH THE REQUIREMENTS OF THE IRISH WATER CODE OF PRACTICE.
  - 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 150MM Ø 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 FOUL WATER CONNECTIONS TO COMPLY WITH THE REQUIREMENTS OF THE IRISH WATER.
  - ALL FOUL SEWERS TO BE AIR TESTED IN ACCORDANCE WITH IRISH WATER SPECIFICATIONS.
  - ALL COVER LEVELS TO MATCH FINISHED ROAD/VERGE/FOOTPATH/CYCLETRACK LEVELS UNLESS OTHERWISE STATED.
  - CONTRACTOR TO INCLUDE FOR CCTV SURVEY OF ALL SEWERS UPON COMPLETION OF SAME.

SW TANK 2  
STORMTECH UNDERGROUND TANK  
TOTAL VOLUME PROVIDED=955m<sup>3</sup>  
IL 108.070  
TLW 110.070  
CL 110.570  
WATER DEPTH = 2.0m  
AREA = 4.80m<sup>2</sup>

SWMH 8.2  
CL 109.38  
IL 108.050  
HYDROBRAKE MANHOLE  
RESTRICTING DISCHARGE  
TO 4.0 L/S

SWMH 7.2  
CL 113.92  
IL 112.45

SWMH 7.4  
CL 116.28  
IL 114.80

SWMH 7.5  
CL 117.38  
IL 115.93

SWMH 7.6  
CL 118.05  
IL 116.50

SWMH 7.7  
CL 118.65  
IL 117.15

SWMH 7.8  
CL 119.15  
IL 117.65

SWMH 7.9  
CL 119.65  
IL 118.15

SWMH 8.0  
CL 120.15  
IL 118.65

SWMH 8.1  
CL 120.65  
IL 119.15

SWMH 8.2  
CL 121.15  
IL 119.65

SWMH 8.3  
CL 121.65  
IL 120.15

SWMH 8.4  
CL 122.15  
IL 120.65

SWMH 8.5  
CL 122.65  
IL 121.15

SWMH 8.6  
CL 123.15  
IL 121.65

SWMH 8.7  
CL 123.65  
IL 122.15

SWMH 8.8  
CL 124.15  
IL 122.65

SWMH 8.9  
CL 124.65  
IL 123.15

SWMH 8.1  
IL 108.00  
PROPOSED OUTFALL  
TO EXISTING DITCH.  
CONTRACTOR TO CONFIRM IL  
BEFORE CONSTRUCTION  
COMMENCES

SWMH 6.1  
CL 111.04  
IL 109.50

SWMH 6.2  
CL 111.11  
IL 109.60

SWMH 6.3  
CL 111.18  
IL 109.70

SWMH 6.4  
CL 111.25  
IL 109.80

SWMH 6.5  
CL 111.32  
IL 109.90

SWMH 6.6  
CL 111.39  
IL 110.00

SWMH 6.7  
CL 111.46  
IL 110.10

SWMH 6.8  
CL 111.53  
IL 110.20

SWMH 6.9  
CL 111.60  
IL 110.30

SWMH 7.0  
CL 111.67  
IL 110.40

SWMH 7.1  
CL 111.74  
IL 110.50

SWMH 7.2  
CL 111.81  
IL 110.60

SWMH 7.3  
CL 111.88  
IL 110.70

SWMH 7.4  
CL 111.95  
IL 110.80

SWMH 7.5  
CL 112.02  
IL 110.90

SWMH 7.6  
CL 112.09  
IL 111.00

SWMH 7.7  
CL 112.16  
IL 111.10

SWMH 7.8  
CL 112.23  
IL 111.20