

US/MH Name	US/IL (m)	US/CL (m)	US/MH Diam/Len (mm)
F17	47.750	48.600	315
F18	47.750	48.600	315
F19	47.750	48.600	315
F20	47.750	48.600	315
F21	47.750	48.600	315
F22	47.465	48.400	315
F23	47.750	48.600	315
F24	47.750	48.600	315
F25	47.750	48.600	315
F26	47.750	48.600	315
F27	47.750	48.600	315
F28	47.750	48.600	315
F29	47.750	48.600	315
F30	47.750	48.600	315
F31	47.335	48.450	315
F32	47.093	48.600	315
F33	46.812	48.450	315
F34	46.390	48.450	1200

Impermeable Area (m2)	1286

SAB Feature	Area (m^2)
RG10	18.5
RG11	39.8
Green Roof	263
Total	439.3
	34.16%

Pipe Number	US/MH Name	US/IL (m)	US/CL (m)	US D.Depth (m)	US/MH Diam/Len (mm)
1.000	Perm Pave	47.750	48.450	0.475	450
1.001	S21	47.683	48.450	0.767	450
1.002	S22	47.610	48.450	0.840	450
1.003	S23	47.592	48.550	0.958	450
1.004	S24	47.511	48.550	1.309	450
2.000	S31	47.650	48.400	0.750	450
2.001	S25	47.450	48.600	1.150	450
2.002	S26	47.408	48.600	1.192	450
2.003	S27	47.257	48.500	1.243	450
2.004	S16	47.190	48.450	1.260	450
3.000	S17	47.850	48.450	0.600	450
3.001	S18	47.250	48.450	1.200	450
4.000	S19	47.850	48.450	0.600	450
4.001	S20	47.160	48.450	1.290	1200
5.000	S30	47.650	48.450	0.800	450
5.001	S28	47.210	48.450	1.240	450
1.005	S20 Soakaway	46.800	48.550	1.253	450

Pipe Number	US/MH Name	Pipe Length (m)	Slope (1:X)	US/IL (m)	US/CL (m)	Pipe DIA (mm)
1.000	Perm Pave	2.555	38.1	47.750	48.450	225
1.001	S21	10.500	144.0	47.683	48.450	225
1.002	S22	3.040	168.8	47.610	48.450	225
1.003	S23	11.043	136.3	47.592	48.550	225
1.004	S24	12.368	58.7	47.511	48.550	225
2.000	Perm Pave	1.845	36.9	47.700	49.190	150
2.001	S31	21.272	106.4	47.650	48.400	150
2.002	S25	4.918	117.0	47.450	48.600	225
2.003	S26	23.466	155.4	47.408	48.600	225
2.004	S27	12.256	182.9	47.257	48.500	225
3.000	S17	4.600	150.0	47.850	48.450	150
3.001	S18	1.875	37.5	47.300	48.450	150
4.000	S19	3.401	150.0	47.850	48.450	150
4.001	S20	2.700	67.4	47.200	48.450	150
5.000	S30	45.183	100.0	47.660	48.450	150
5.001	S28	19.500	140.1	47.210	48.450	225
1.005	S20 (catchpit)	10.000	149.3	47.160	48.450	225

1:200 2m 4m 6m 8m 10m 12m 14m 16m 18m 20m

NOTES

GENERAL

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.
3. ALL LEVELS RELATE TO ORDNANCE DATUM UNLESS NOTED OTHERWISE.
4. DO NOT SCALE FROM THIS DRAWING USE FIGURED DIMENSIONS ONLY.
5. ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO THE ENGINEER.
6. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, SUBCONTRACTORS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.
7. THIS DRAWING IS COPYRIGHT © INTRADO CONSULTING ENGINEERS LTD.
8. TOPOGRAPHICAL SURVEY UNDERTAKEN BY CORNERPOINT SURVEYS LTD. PROJECT NUMBER S20061

1. LOCATION OF RWP'S AND SVP'S TO BE CONFIRMED BY THE ARCHITECT.
2. ROCKER PIPES TO BE 600mm LONG TO ALL MANHOLES.
3. ALL PIPEWORK TO HAVE A FULL GRANULAR BED AND SURROUND UNLESS NOTED OTHERWISE.
4. ALL PIPES BENEATH VEHICULAR CIRCULATION AREAS, WHERE COVER TO PIPE IS LESS THAN 1200mm TO RECEIVE A FULL CONCRETE BED AND SURROUND.
5. ALL SADDLE CONNECTIONS TO BE FORMED USING PROPRIETARY JUNCTION SECTIONS
6. WHERE APPLICABLE CONCRETE BENCHING TO MANHOLES TO RECEIVE A 20mm THICK GRANOLITHIC RENDER TROWELLED HARD. PROVIDING A DENSE DURABLE SMOOTH FINISH.
7. ALL MANHOLE COVERS WITHIN VEHICULAR AREAS TO BE NON-ROCKING TYPE.
8. ALL S.V.P'S TO HAVE RODDING ACCESS POINT.
9. THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES TO VERIFY LOCATION AND DEPTHS PRIOR TO ANY CONSTRUCTION WORK BEING UNDERTAKEN.
10. ALL PIPES AND FITTINGS TO BE PROPRIETRY PLASTIC SYSTEM COMPLYING WITH BSEN1401-1:2009 AND BUILDING REGULATIONS DOC. H.
11. WHERE PIPES PASS THROUGH FOUNDATIONS OR WALLS: a) CAST IN THE PIPE. MAKE JOINTS APPROX. 150mm EITHER SIDE & ADD 500mm LENGTH OF ROCKER PIPE. OR b) SLEEVE PIPES WITH 50mm CLEARANCE ALL ROUND, COLLARED TO PREVENT DEBRIS.
12. PIPES BELOW BUILDING TO BE IN 6.0m LENGTHS.
13. INLET AND OUTLET PIPES TO BE LAID WITH LEVEL SOFFITS.
14. ALL CHAMBERS TO BE IN HARD LANDSCAPING UNLESS NOTED OTHERWISE.
15. ALL CHAMBER COVERS IN HARD LANDSCAPING AREAS TO BE RECESSED TO ALLOW PROPOSED SURFACING TO CARRY THROUGH. COVERS ORIENTATED TO ALIGN WITH THE PAVING DIRECTION
16. DRAINAGE DESIGN AND CONSTRUCTION TO BE IN ACCORDANCE WITH SEWERS FOR ADOPTION 7th EDITION AND THE REQUIREMENTS OF THE STATUTORY UNDERTAKER
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SITE GRID REFERENCE: ST266887 (326630mE, 188770mN)

FOUL WATER DRAINAGE SUBJECT TO S104 & S106 APPROVAL BY DCWW

SURFACE WATER DRAINAGE SUBJECT TO NEWPORT CITY COUNCIL SAB APPROVAL

ANY WORKS CARRIED OUT PRIOR TO THE ISSUE OF RELEVANT APPROVALS ARE ENTIRELY AT THE DEVELOPER'S RISK

REV.	DESCRIPTION	BY	DATE
P24	UPDATED FOR SAB	CLC	21/03/2025
P21	UPDATED FOR SAB	JE	29/01/2025
P20	UPDATED FOR SAB	JE	27/01/2025
P19	FOUL DRAINAGE ADDED	JE	13/01/2025
P18	UPDATED FOR SAB	JE	20/10/2024
P17	UPDATED FOR SAB	CLC	20/06/2024
P16	MINOR UPDATES.	AN	06/06/2024
P15	SITE LAYOUT AMENDED TO SUIT ARCHITECTS LAYOUT	AN	05/06/2024
P14	LEGEND UPDATED AND NOTE RE HAND DIG ADDED	CLC	10/04/2024
P13	SITE LAYOUT AMENDED TO SUIT ARCHITECTS LAYOUT	CLC	09/04/2024
P12	DRAINAGE AMENDED NEAR TREE 12	CLC	22/03/2024
P11	SITE LAYOUT AMENDED TO SUIT ARCHITECTS LAYOUT	CLC	18/03/2024
P10		CLC	18/03/2024
P9	AREA OF GREEN ROOF REDUCED.	CLC	22/12/2023
P8	SITE LAYOUT AMENDED TO SUIT ARCHITECTS LAYOUT	CLC	18/12/2023
P7	SOUTHERN SITE LAYOUT AMENDED	CLC	08/02/2023
P6	PRELIMINARY FOUL ROUTE ADDED	CLC	25/01/2023
P5	RPA COLOURS ADDED TO THE DRAWING.	CLC	10/01/2022
P4	LEVELS ADDED & SuDS FEATURES AMENDED	CLC	22/12/2022
P3	SITE LAYOUT UPDATED	CLC	04/08/2022
P2	BIO RETENTION AREAS UPDATED	CLC	-
P1	BIO RETENTION AREAS UPDATED	CLC	28/01/2022

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client
NEWPORT CITY HOMES

project
ST JOHNS COURT

drawing title
DRAINAGE STRATEGY SOUTHERN SITE

drawn	chkd	scale	date
KMG	CC	1:200 @ A1	MAY 2021

Preliminary	Job No.	Drawing No.	Rev.
Tender ☐ Construction ☐	IR21004	110	P24