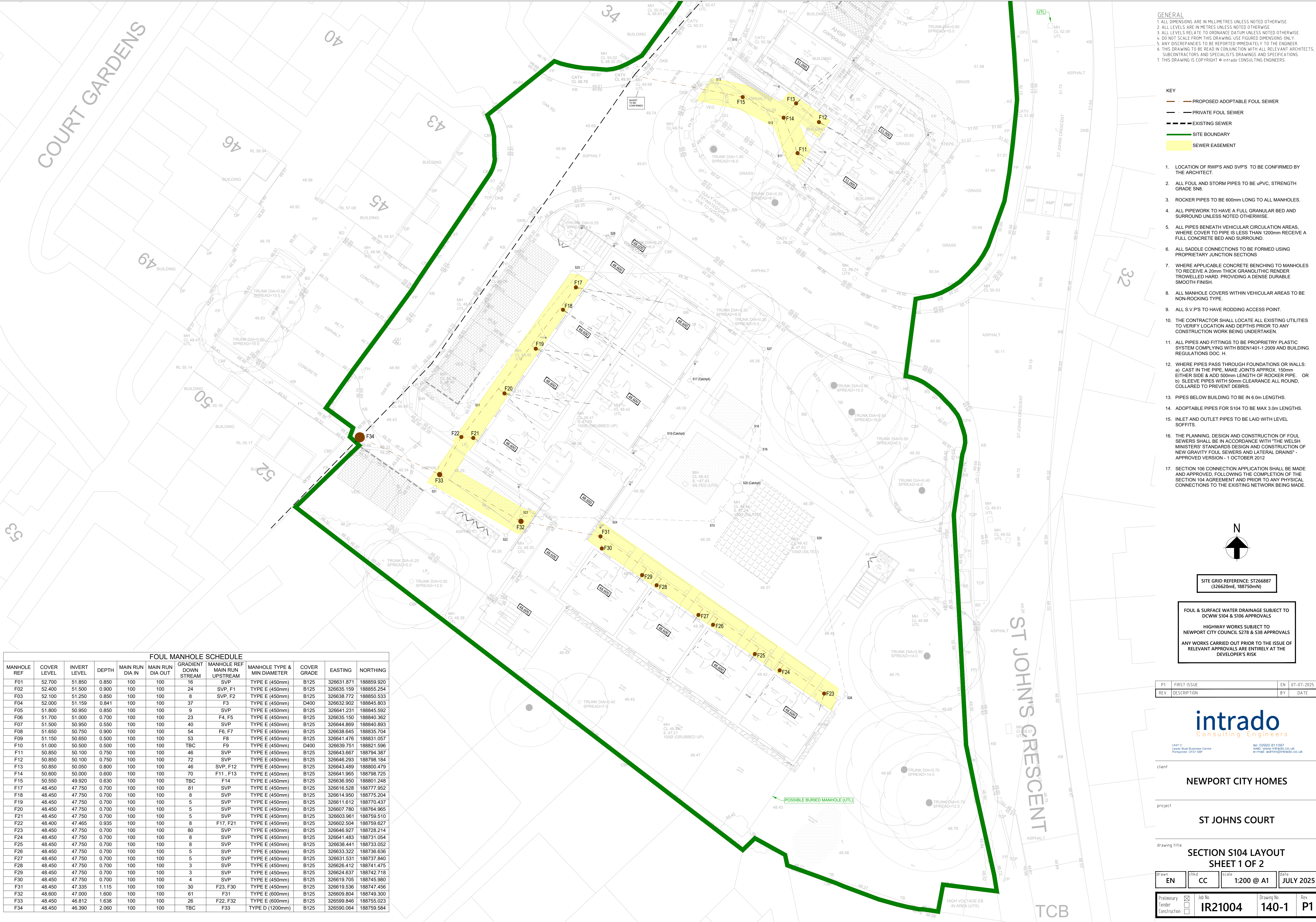
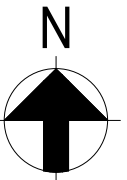




- GENERAL
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 2. ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.
 3. ALL LEVELS RELATE TO ORDNANCE DATUM UNLESS NOTED OTHERWISE.
 4. DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS ONLY.
 5. ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY 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.

- KEY
- PROPOSED ADOPTABLE FOUL SEWER
 - PRIVATE FOUL SEWER
 - EXISTING SEWER
 - SITE BOUNDARY
 - SEWER EASEMENT

1. LOCATION OF RWPS AND SVP'S TO BE CONFIRMED BY THE ARCHITECT.
2. ALL FOUL AND STORM PIPES TO BE uPVC, STRENGTH GRADE SN8.
3. ROCKER PIPES TO BE 600mm LONG TO ALL MANHOLES.
4. ALL PIPEWORK TO HAVE A FULL GRANULAR BED AND SURROUND UNLESS NOTED OTHERWISE.
5. ALL PIPES BENEATH VEHICULAR CIRCULATION AREAS, WHERE COVER TO PIPE IS LESS THAN 1200mm RECEIVE A FULL CONCRETE BED AND SURROUND.
6. ALL SADDLE CONNECTIONS TO BE FORMED USING PROPRIETARY JUNCTION SECTIONS.
7. WHERE APPLICABLE CONCRETE BENCHING TO MANHOLES TO RECEIVE A 20mm THICK GRANOLITHIC RENDER TROWELLED HARD, PROVIDING A DENSE DURABLE SMOOTH FINISH.
8. ALL MANHOLE COVERS WITHIN VEHICULAR AREAS TO BE NON-ROCKING TYPE.
9. ALL S.V.P'S TO HAVE RODDING ACCESS POINT.
10. THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES TO VERIFY LOCATION AND DEPTHS PRIOR TO ANY CONSTRUCTION WORK BEING UNDERTAKEN.
11. ALL PIPES AND FITTINGS TO BE PROPRIETARY PLASTIC SYSTEM COMPLYING WITH BSEN14011-1:2009 AND BUILDING REGULATIONS DOC. H.
12. 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.
13. PIPES BELOW BUILDING TO BE IN 6.0m LENGTHS.
14. ADOPTABLE PIPES FOR S104 TO BE MAX 3.0m LENGTHS.
15. INLET AND OUTLET PIPES TO BE LAID WITH LEVEL SOFFITS.
16. THE PLANNING, DESIGN AND CONSTRUCTION OF FOUL SEWERS SHALL BE IN ACCORDANCE WITH 'THE WELSH MINISTERS' STANDARDS DESIGN AND CONSTRUCTION OF NEW GRAVITY FOUL SEWERS AND LATERAL DRAINS' - APPROVED VERSION - 1 OCTOBER 2012
17. SECTION 106 CONNECTION APPLICATION SHALL BE MADE AND APPROVED, FOLLOWING THE COMPLETION OF THE SECTION 104 AGREEMENT AND PRIOR TO ANY PHYSICAL CONNECTIONS TO THE EXISTING NETWORK BEING MADE.



SITE GRID REFERENCE: ST266887
(328620mE, 188750mN)

FOUL & SURFACE WATER DRAINAGE SUBJECT TO DCWW S104 & S106 APPROVALS

HIGHWAY WORKS SUBJECT TO NEWPORT CITY COUNCIL S278 & S38 APPROVALS

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

FOUL MANHOLE SCHEDULE											
MANHOLE REF	COVER LEVEL	INVERT LEVEL	DEPTH	MAIN RUN DIA IN	MAIN RUN DIA OUT	GRADIENT DOWN STREAM	MANHOLE REF MAIN RUN UPSTREAM	MANHOLE TYPE & MIN DIAMETER	COVER GRADE	EASTING	NORTHING
F01	52.700	51.850	0.850	100	100	16	SVP	TYPE E (450mm)	B125	326631.871	188859.920
F02	52.400	51.500	0.900	100	100	24	SVP, F1	TYPE E (450mm)	B125	326635.159	188855.254
F03	52.100	51.250	0.850	100	100	8	SVP, F2	TYPE E (450mm)	B125	326638.772	188850.533
F04	52.000	51.159	0.841	100	100	37	F3	TYPE E (450mm)	D400	326632.902	188845.803
F05	51.800	50.950	0.850	100	100	9	SVP	TYPE E (450mm)	B125	326641.231	188845.592
F06	51.700	51.000	0.700	100	100	23	F4, F5	TYPE E (450mm)	B125	326635.150	188840.362
F07	51.500	50.950	0.550	100	100	40	SVP	TYPE E (450mm)	B125	326644.869	188840.893
F08	51.650	50.750	0.900	100	100	54	F6, F7	TYPE E (450mm)	B125	326638.645	188835.704
F09	51.150	50.650	0.500	100	100	53	F8	TYPE E (450mm)	B125	326641.476	188831.057
F10	51.000	50.500	0.500	100	100	TBC	F9	TYPE E (450mm)	D400	326639.751	188821.596
F11	50.850	50.100	0.750	100	100	46	SVP	TYPE E (450mm)	B125	326643.667	188794.387
F12	50.850	50.100	0.750	100	100	72	SVP	TYPE E (450mm)	B125	326646.293	188798.184
F13	50.850	50.050	0.800	100	100	46	SVP, F12	TYPE E (450mm)	B125	326643.489	188800.479
F14	50.600	50.000	0.600	100	100	70	F11, F13	TYPE E (450mm)	B125	326641.965	188798.725
F15	50.550	49.920	0.630	100	100	TBC	F14	TYPE E (450mm)	B125	326636.950	188801.248
F17	48.450	47.750	0.700	100	100	81	SVP	TYPE E (450mm)	B125	326616.528	188777.952
F18	48.450	47.750	0.700	100	100	8	SVP	TYPE E (450mm)	B125	326614.950	188775.204
F19	48.450	47.750	0.700	100	100	5	SVP	TYPE E (450mm)	B125	326611.612	188770.437
F20	48.450	47.750	0.700	100	100	5	SVP	TYPE E (450mm)	B125	326607.780	188764.965
F21	48.450	47.750	0.700	100	100	5	SVP	TYPE E (450mm)	B125	326603.961	188759.510
F22	48.400	47.465	0.935	100	100	8	F17, F21	TYPE E (450mm)	B125	326602.504	188759.627
F23	48.450	47.750	0.700	100	100	80	SVP	TYPE E (450mm)	B125	326646.927	188728.214
F24	48.450	47.750	0.700	100	100	8	SVP	TYPE E (450mm)	B125	326641.483	188731.054
F25	48.450	47.750	0.700	100	100	8	SVP	TYPE E (450mm)	B125	326638.441	188733.052
F26	48.450	47.750	0.700	100	100	5	SVP	TYPE E (450mm)	B125	326633.322	188736.636
F27	48.450	47.750	0.700	100	100	5	SVP	TYPE E (450mm)	B125	326631.531	188737.840
F28	48.450	47.750	0.700	100	100	3	SVP	TYPE E (450mm)	B125	326626.412	188741.475
F29	48.450	47.750	0.700	100	100	3	SVP	TYPE E (450mm)	B125	326624.637	188742.718
F30	48.450	47.750	0.700	100	100	4	SVP	TYPE E (450mm)	B125	326619.705	188745.980
F31	48.450	47.335	1.115	100	100	30	F23, F30	TYPE E (450mm)	B125	326619.536	188747.456
F32	48.600	47.000	1.600	100	100	61	F31	TYPE E (600mm)	B125	326609.804	188749.300
F33	48.450	46.812	1.638	100	100	26	F22, F32	TYPE E (600mm)	B125	326599.846	188755.023
F34	48.450	46.390	2.060	100	100	TBC	F33	TYPE D (1200mm)	B125	326590.064	188759.584

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REV.	DESCRIPTION	BY	DATE

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e-mail: admin@intrado.co.uk

client

NEWPORT CITY HOMES

project

ST JOHNS COURT

drawing title

SECTION S104 LAYOUT
SHEET 1 OF 2

drawn	chkd	scale	date
EN	CC	1:200 @ A1	JULY 2025

Preliminary Tender Construction	☒ ☐ ☐	Job No. IR21004	Drawing No. 140-1	Rev. P1
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