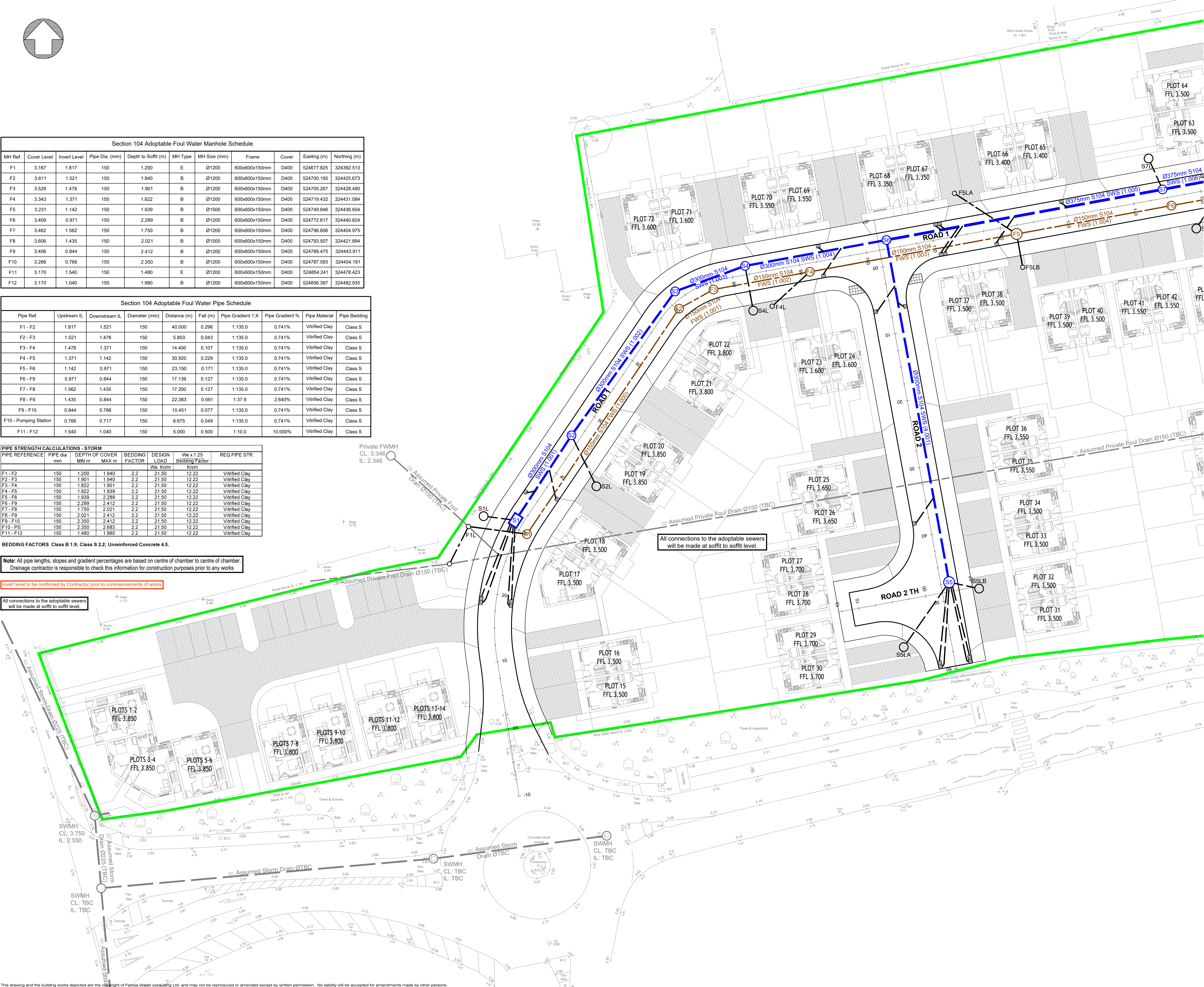




General Notes

1. DO NOT SCALE.
2. This drawing is to be read in conjunction with all other relevant drawings and details.
3. Should there be any conflict between the details indicated on this drawing and those on other drawings the Engineer should be informed **PRIOR** to construction on site.
4. Until technical approval has been obtained from the relevant Authority, it should be understood that all drawings issued are Preliminary and NOT for construction. Should the Contractor commence site work prior to such approval being given it is entirely at their own risk.
5. Sketch proposals are for illustrative purposes only and as such are subject to detailed site investigation including ground conditions / contaminants, drainage, design and planning / density negotiations.
6. All dimensions are in millimetres unless otherwise stated.
7. The Farrow Walsh Consulting Designers Risk Assessments for this project must be reviewed **PRIOR** to the commencement of any works on site.

1. This drawing to be read in conjunction with all other relevant Engineers and Architect's details.
2. All work is to be carried out in accordance with the current British Standards, codes of practice, building regulations and with Sewers for Adoption 6th Edition guidance.
3. The exact position, level, size and use of existing sewers to be confirmed on site. Any discrepancies to be reported to the engineer prior to commencement of works.
4. All uncovered and shallow pipework to be protected against construction traffic as part of the contractors temporary works requirements.
5. Cover levels shown are approximate only, subject to the Architect's external works and landscaping scheme.
6. All connections to road gullies and channels shall be 150mm nominal bore pipework.
7. All pipework to be Vitritified Clay to BS EN295 unless otherwise noted.
8. All pipes connecting to adopted manholes up to and including 300mm dia. to be Vitritified Clay.
9. All pipes connecting to adopted manholes greater than 300mm dia. to be Concrete.
10. All pipework entering and exiting manholes to be connected with pipe soffits level.

 Boundary of Site Ownership
 S104 Foul Sewer
 S104 Surface Water Sewer
 Section 38 SW Drainage / Lateral Chambers
 Section 38 SW Road Gully

Section 104 Adoptable Foul Water Pipe Schedule									
Pipe Ref.	Upstream IL	Downstream IL	Diameter (mm)	Distance (m)	Fall (m)	Pipe Gradient 1:X	Pipe Gradient %	Pipe Material	Pipe Bedding
F1 - F2	1.817	1.521	150	40.000	0.096	1:135.0	0.741%	Vitrified Clay	Class S
F2 - F3	1.521	1.478	150	5.803	0.243	1:135.0	0.741%	Vitrified Clay	Class S
F3 - F4	1.478	1.371	150	14.400	0.107	1:135.0	0.741%	Vitrified Clay	Class S
F4 - F5	1.371	1.142	150	30.920	0.229	1:135.0	0.741%	Vitrified Clay	Class S
F5 - F6	1.142	0.971	150	23.150	0.171	1:135.0	0.741%	Vitrified Clay	Class S
F6 - F9	0.971	0.844	150	17.139	0.127	1:135.0	0.741%	Vitrified Clay	Class S
F7 - F8	1.562	1.435	150	17.200	0.127	1:135.0	0.741%	Vitrified Clay	Class S
F8 - F9	1.435	0.844	150	22.383	0.591	1:37.9	2.640%	Vitrified Clay	Class S
F9 - F10	0.844	0.766	150	10.451	0.077	1:135.0	0.741%	Vitrified Clay	Class S
F10 - Pumping Station	0.766	0.717	150	6.675	0.049	1:135.0	0.741%	Vitrified Clay	Class S
F11 - F12	1.540	1.040	150	5.000	0.500	1:10.0	10.000%	Vitrified Clay	Class S

BEDDING FACTORS Class B 1.9; Class S 2.2; Unreinforced Concrete 4.5.

Invert level to be confirmed by Contractor prior to commencements of works

All connections to the adoptable sewers will be made at soffit to soffit level.

T3	F5 & F8 upsized, S1-S2 added to the S104 network as per AW comments 20.01.2020 and FFLs updates to suit Planning.	BM	OP	JD	20.02.20
T2	Double gullies added to low points as per LCC's comments 13.01.2020 and all catchpit chambers removed from system.	BM	OP	JD	20.01.20
T1	Issued for Tender.	BM	OP	JD	20.12.19
Rev	Description of updates				Date
Revision Schedule		Drawn	Checked	App'd	

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Client: **GEDA Construction Ltd.**

Title:
Section 104 Layout
Sheet 1 of 2

Drawn: BM	Checked: OP	Approved: JD	Date: Dec 2019	Scale: 1:250 @ A1
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Revision