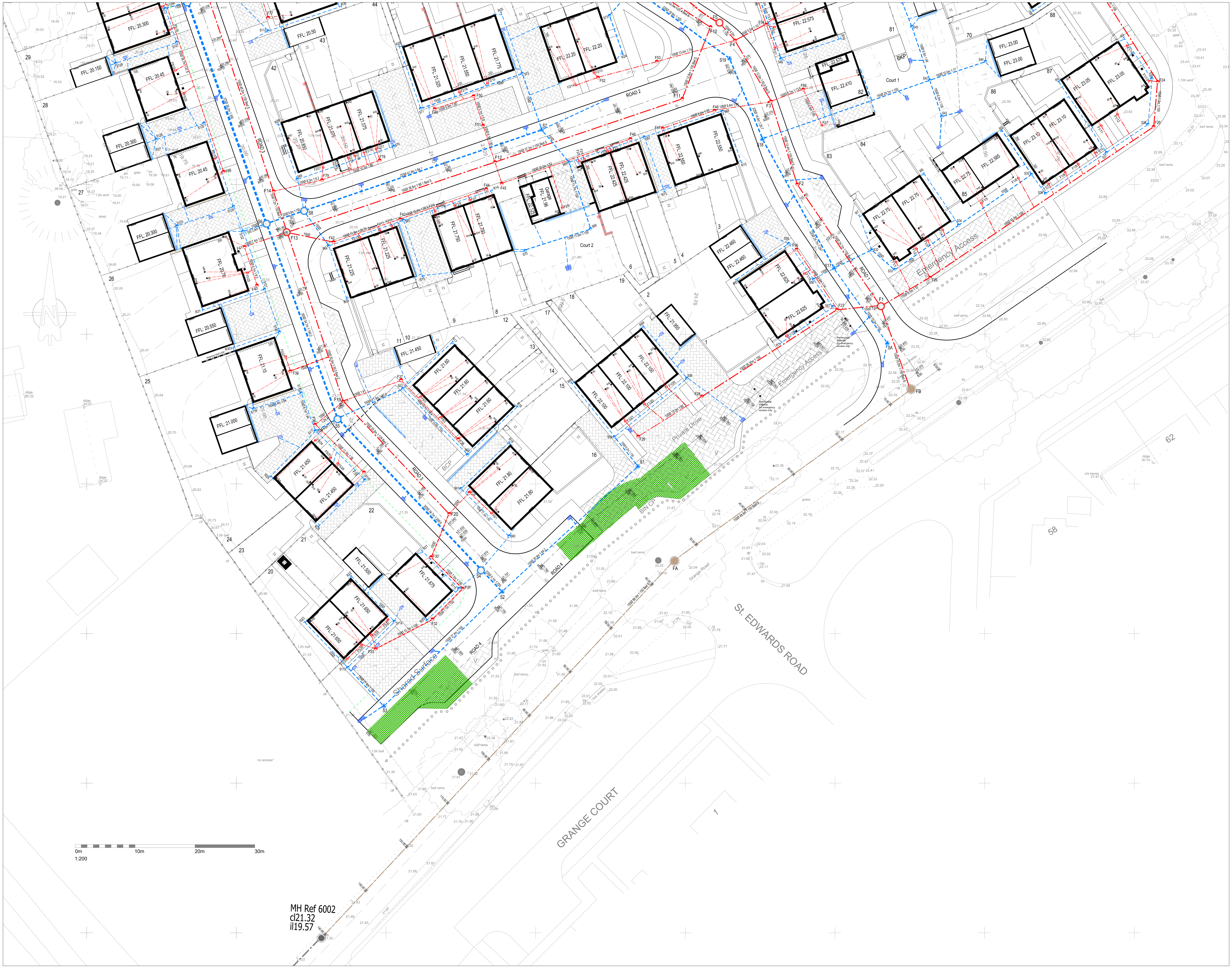

Notes:

1.All levels relate to Ordnance Datum.
2.All Highway work's on or adjacent to existing public highway shall be executed in accordance with the Traffic Safety Code for Roadwork's and Chapter 8 of the Traffic Signs Manual.
3.At the commencement of works on site the contractor is to carry out trial pits and liaise with Utility Companies in order to establish the exact position of all existing statutory utility plant in the vicinity of works and take adequate precautions or their protection.
4.The Contractor is to comply fully with the CDM Regulations in the course of constructing the works.
5.Highways in the vicinity of the works must be kept free from mud, debris and dust falling from vehicles or the wheels of vehicles connected with the works.
6.All drain and sewer pipes to be laid soffit to soffit, unless shown otherwise. All domestic sewers shall be 100mmØ unless shown otherwise. Connections from gullies shall be 150Ø.
7.Minimum gradient for 100Ø SW is 1:100 and 100Ø FW is 1:80 with one WC connected otherwise 1:40. Bedding for domestic drainage Class B. All pipe runs near buildings to comply with the Building Regulations 2010 Part H1.
8.Position of soil pipes, standing wastes, wc outlets etc. are shown on the Architect's working drawings. Rainwater downpipe positions are to be checked against Architects details to ensure compatibility. Rainwater downpipes to have rodding access facilities where surface water drainage passes under buildings.
9.All concrete and concrete products to be in accordance with BRE 363 for sulphates.
10.All slab levels shown are for guidance only and may need to be adjusted on site, subject to approval by the engineer.
11.Do not scale from this drawing, work only from stated dimensions or setting out details.
12.Refer to Drg No 502-03 for tables for manhole schedules and levels.
13. Where paths falls towards the front door use suitable linear/slot drainage sysytem connected to surface water system as per architects details.
14. All plots to have gardens sloping away from properties otherwise interceptor drains to be installed.
15. Prior to construction of any drainage works, the Contractor is to confirm the invert level of receiving sewer. Any variations from the designed level shown on the drawings shall be reported to the Engineer in advance of construction works commencing.
16. Where connections to drain runs are not at manholes/inspection chambers connections should be made using oblique 45° junctions.
17. This drawing is to be read in conjunction with all relevent engineering drawings issued by Kazys Narbutas Consulting and Elivia Homes for this site only.

Legend:

— · —	Existing foul water sewer
— · —● FB	New foul water sewer and manhole subject to S104 Agreement with Southern Water
⊙	Type 2 foul water manhole (see drainage schedule on drg 502-03 for details)
— · — F4 ●	Domestic foul water gravity sewer (with backdrop connection)
— · —	New foul water rising main in corporating air valve
● ●	Type 3 foul and surface water manhole (see drainage schedule on drg 502-03 for details)
●	Type 4 shallow PPIC inspection chamber
WV1 ⊙	Wash out for rising main
- - - S4 ●	Domestic surface water drain.
▲	Type 5 silt trap inspection chamber
S5 ⊙	Type 6 surface water catchpit manhole (see drainage schedule on drg 502-03 for details)
┼┼┼┼┼	ACO drainage channel installed at entrance to all garages
Underbuild	Areas requiring underbuild brickwork
PS1	Type 3 foul drainage pumping station(see Drg. no 501-031 for details
Tank 1.5 x 8.0 x 0.8	'Aquacell' surface water storage tank designed to cater for 1 in 100yr storm return + 45% CC and catering for 10% increase for 'urban creep'. Limited discharge of 0.3lits/sec through Permavoid flow control
▬▬▬	Retaining wall
150	Close board fence with concrete gravel board (height indicated)
FFL: 11.60	Proposed Finished Floor Level
10.40+	Proposed Garden Level (may be adjusted subject to discussion with Engineer)
S	Step 150mm or 75mm
—o—o—o—	Tree root protection line
	1500mm post & rail fence around headwalls
— · · —	Formpave fin drain
🟩	Area of 'no dig' construction
▨	Block paved drive and parking construction
▨	Block paved cariageway & parking courts
▨	Swale & Attenuation pond planting in conjunction with landscape architect details
▨	Surface water attenuation tank

Rev.	Date	Details	Initials
C	09.01.23	Parking court surfacing amended	KN
B	05.01.23	Detailed pond and swale information added, attenuation tank added Road 1	KN
A	18.12.22	First Issue	KN

Drawing Status
PRELIMINARY FOR TENDER

Project
GRANGE ROAD
NETLEY

Client
ELIVIA
HOMES

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Drawing Title
Engineering Details
Drainage Layout

Drawn	Checked	Scales	Paper Size	Date
KN		1:200	A0	12.22

Job No.	Drawing No.	Revision
KNC2114	502-01	C

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Dimensions should be checked and verified on site and any discrepancies should be reported to Kazys Narbutas Consulting as soon as possible.