



MH Ref 6002
d119.57

- Notes:
1. All levels relate to Ordnance Datum.
 2. All Highway works on or adjacent to existing public Highway shall be executed in accordance with the Traffic Safety Code for Roadworks and Chapter 8 of the Traffic Signs Manual.
 3. All the commencement of works on site the contractor is to carry out trial pits and take 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. The Contractor is to comply fully with the CDM Regulations in the course of constructing the works.
 4. 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.
 5. All drain and sewer pipes to be laid with 1:100 fall, unless shown otherwise. All domestic sewers shall be 150mm unless shown otherwise. Connections from gullies shall be 150mm.
 6. Minimum gradient for 150mm SW is 1:100 and 100mm FW is 1:80 with one VC connected otherwise 1:40. Bedding for domestic drainage Class B. All pipe runs near buildings to comply with the Building Regulations 2010 Part H11.
 7. Minimum gradient for 100mm SW is 1:100 and 100mm FW is 1:80 with one VC connected otherwise 1:40. Bedding for domestic drainage Class B. All pipe runs near buildings to comply with the Building Regulations 2010 Part H11.
 8. Position of soil pipes, standing wastes, wc outlets etc. are shown on the Architect's working drawings. Rainwater downpipes 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 383 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 Dig No 502-03 for tables for materials schedules and levels.
 13. Where pits are shown the front door use suitable finished drainage system connected to surface water system as per architect 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 level of existing ground and the level of the proposed drainage system in the drawing 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 relevant engineering drawings issued by Kazy Narbutas Consulting and the Homes for this site only.
 18. Root barrier to be installed along length of adopted sewer as directed by and in consultation with Southern Water.

Legend:

- Existing foul water sewer
- New foul water sewer and manhole subject to S104 Agreement with Southern Water
- Type 3 foul water manhole (see drainage schedule on dig 502-03 for details)
- Domestic foul water gravity sewer (with back-siphon connection)
- New foul water rising main in incorporating air valve
- Type 3 foul and surface water manhole (see drainage schedule on dig 502-03 for details)
- Type 4 shallow PP10 inspection chamber
- Air valve for rising main
- Domestic surface water drain
- Type 5 silt trap inspection chamber
- Polystyrene Su/Clean/HD hydrodynamic separator to treat surface water run off
- Type 6 surface water catchpit manhole (see drainage schedule on dig 502-03 for details)
- ACO drainage channel installed at entrance to all garages
- Overland drainage interceptor
- Areas requiring underdrain brickwork
- Type 3 foul drainage pumping station (see Xylem for pump details)
- Retaining wall
- Direction of costal
- Garden Gradients - see Dig 504-01 & 02 for garden levels
- Close board fence with concrete gravel board (height indicated)
- Proposed Finished Floor Level
- Proposed Garden Level (may be adjusted subject to discussion with Engineer)
- Step 150mm or 75mm
- Tree root protection line
- 100mm post & rail fence around footpaths
- Area of two dig construction
- Permeable block paved drive and parking construction
- Block paved cartway & parking courts
- Swale & Attenuation pond planting in conjunction with landscape architect details
- Surface water attenuation tank
- 'grasscrete' spillway facilitating overland flow from swale to effluent

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION
CDM Regulations 2015

In addition to the hazards/risks normally associated with the type of work detailed on this drawing one should be made of the following:

- Working in vicinity of live highway
- Services to be excavated prior to any excavation work being undertaken
- Working on live fuel systems
- Deep excavations

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement. Contractor is not relieved of any of his obligations under all applicable health and safety regulations.

M	14.03.24	Interceptor drains removed, fence gravel boards extended, no dig construction extended Emergency Access B, gullies	KN
L	17.04.24	Site plan amended, all intercepting drains added, down drain	KN
K	22.11.23	Permeable paving added	KN
J	30.10.23	FA & FB relocated due to presence of gas main	KN
I	20.09.23	Level of S107 works added, SA & S107 amended accordingly	KN
H	06.08.23	FFL Plot 32 amended, SW manholes adjusted	KN
G	05.05.23	Gradients S10 & S10 S20 adjusted	KN
F	26.04.23	Gradients F7 & F10 adjusted	KN
E	17.02.23	Accepted foul sewer amended	KN
D	16.02.23	Accepted foul sewer amended	KN
C	09.07.22	Parking court surfacing amended	KN
B	06.01.21	Detailed pond and swale information added, information tank added Road 1	KN
A	18.12.20	First Issue	KN
Rev.	Date	Details	Notes

CONSTRUCTION

Project: GRANGE ROAD NETLEY

Client: ELIVIA HOMES

KAZYS NARBUTAS CONSULTING

Chief Engineering Consultant

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

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