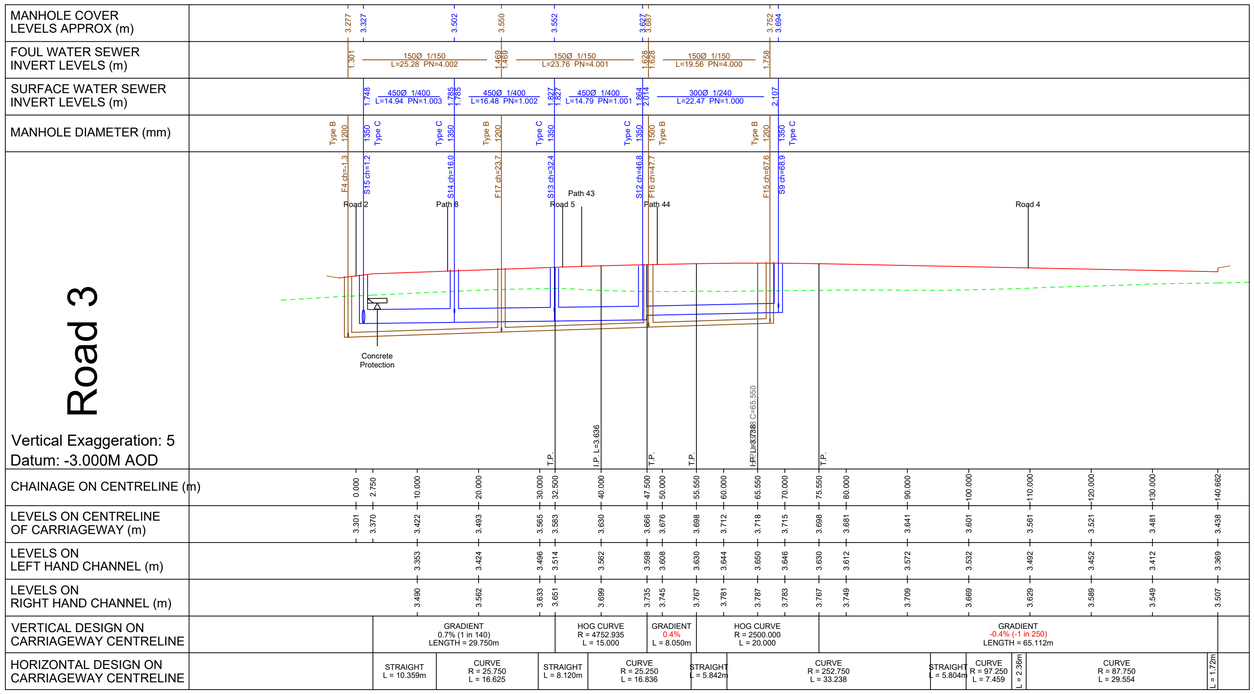
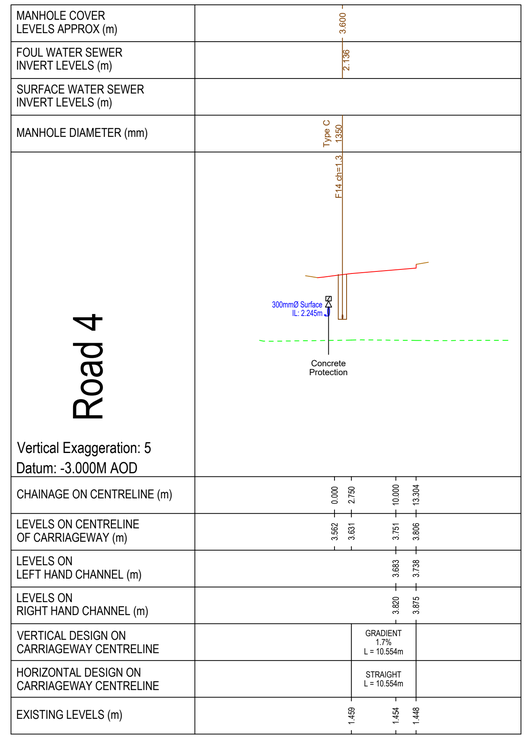




STRUCTURAL DESIGN OF PIPELINES

Pipelines have been designed based on Simplified Tables of External Loads on Buried Pipelines. Pipes under Main Roads with the depth of cover related to finished construction level of road.The contractor shall ensure that overload of the pipes does not occur during construction. The following precautions shall be adopted.

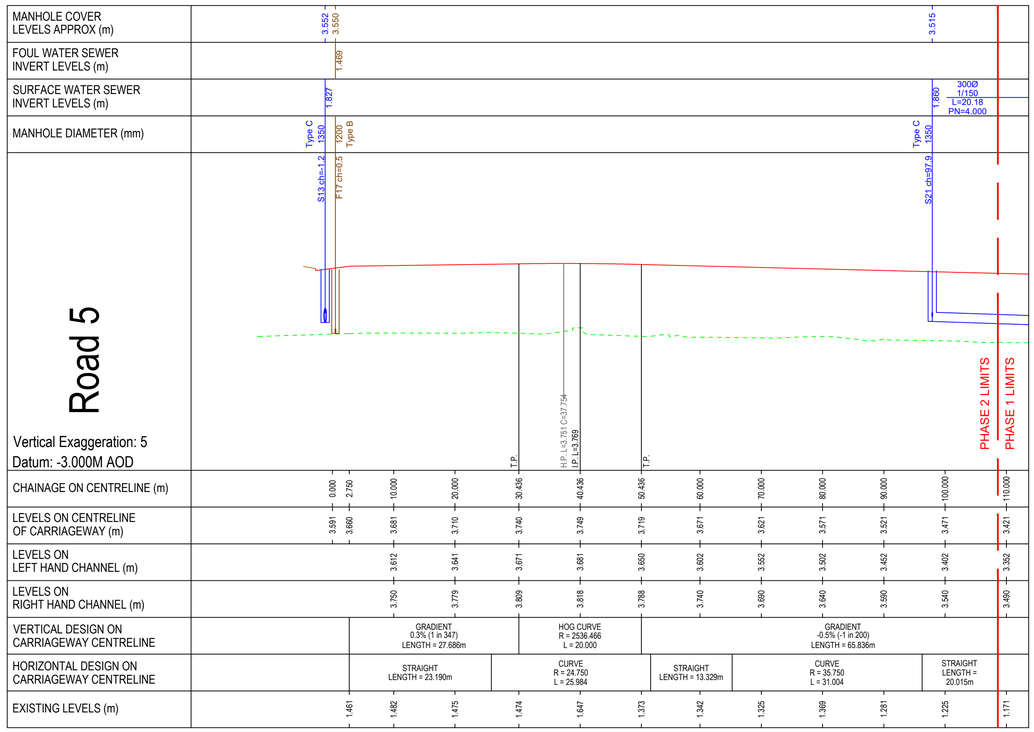
1. Prohibit the movement of construction plant over that part of the pipeline where overloading would occur.
2. Confine the passage of such plant to suitably bridged crossing points.
3. Temporarily deposit (or leave in place) fill over that part of the pipeline and adopt precautions when the fill is finally removed.
4. Restrict the load of vehicles to a safe load.
5. Redesign the affected part of the pipeline to carry the additional external load.

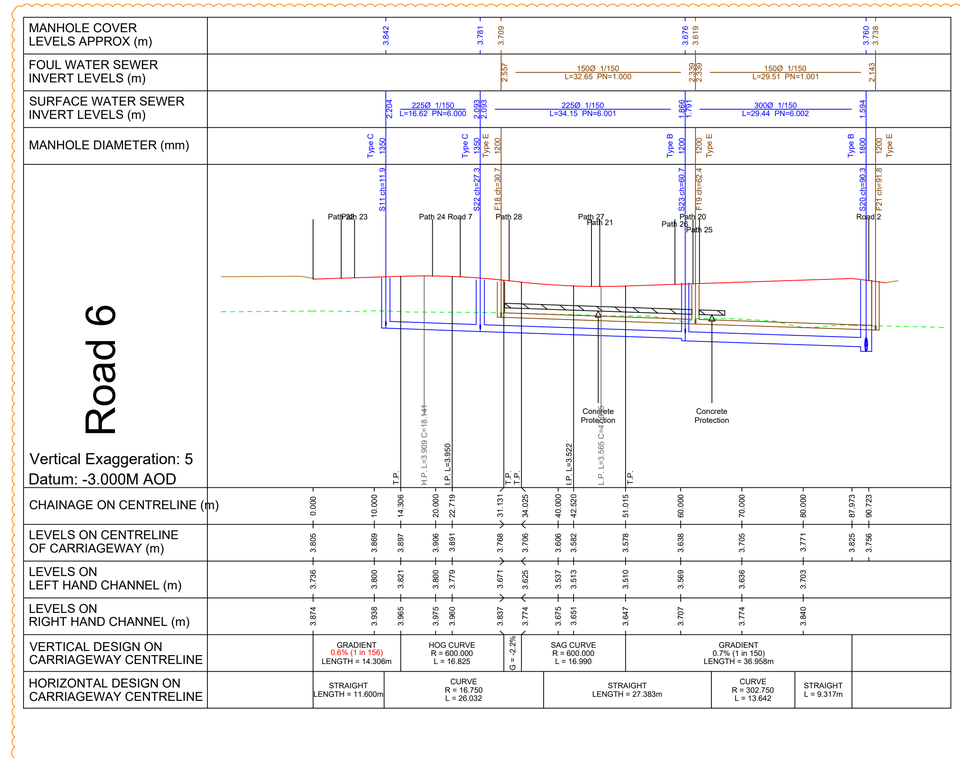
CDM REGULATIONS 2015

1. If you do not fully understand the risks involved during the construction of the items indicated on this drawing ask your manager, health and safety advisor or a member of the design team before proceeding.
2. Existing services may exist on site. The contractor shall liaise with all relevant service companies and arrange for all services to be located, marked and protected.
3. Drainage works may involve deep excavations and/or heavy plant/materials.
4. The contractor shall read and understand the Ground investigation Report and be aware of any potential variations in soil conditions over the site.
5. The potential for danger to the general public and site personnel exists from works in the public highway. The contractor shall liaise with the highway authority and ensure safe method of working is maintained at all times
6. Existing drainage pipes may be asbestos cement or fibre reinforced pipes,or concrete pipes containing asbestos fibre. Contractor to ensure that competent, adequately trained staff are are engaged in the works, and disposal of any affected material is undertaken in line with current legislation and good practice guidelines.
7. The contractor is to be aware that overhead cables may cross the site.
8. The contractor is to be aware that works may involve working adjacent to or in existing watercourses.
9. Works may involve working in close proximity to an existing water main. The contractor is to ensure that this is fully located and protected during the works.

DRAINAGE PIPEWORK AND BEDDING DETAILS

1. All foul water sewers shall be Extra Strength Clayware to BS EN 295
2. All 150-300mm surface water sewers shall be Extra Strength Clayware to BS EN 295. All surface water sewers of 375mm or greater shall be Concrete Class 120 to BS 5911-1:2002.
3. All pipe bedding shall be Class S, (FM 2.2), unless otherwise stated.
4. All adoptable sewer works and materials to be in accordance with "Design and Construction Guidance", Code for Adoption, the relevant British/European standards
5. Sewers to be laid in Class S bedding (150mm granular bed and surround). Where depth of cover to top of the sewer is less than 1.2m in highway and verges (or less than 0.9m in none vehicular access areas) then a concrete slab should be provided above the granular bed and surround
6. Plastic channel sections in manholes are not acceptable and clay ware is to be used if required.
7. The undertaker is not obliged to accept filter drain/land drainage runoff into the adoptable sewer network.





Rev	Description	Date	Drawn	Checked
D	Updated Road 3 and 6 longsections	24.08.26	TA	LAM
C	Updated to suit latest FW design as per client comments	10.03.25	DCA	AG
B	Updated longsection for Road 3 to suit the latest drainage layout	02.09.24	DCA	AG
A	Updated longsections for Road 6	07.08.24	MS	AG

Drawing Approval Status:-

N/A Section 104 N/A Section 38 N/A Section 278

FOR TENDER

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Project:

Damgate, Holbeach

Drawing Description:

Phase 2
Longitudinal Section
Sheet 2 of 4

Client:

Seagate Homes
Pudding Lane
Pinchbeck, Spalding
Lincolnshire
PE11 3JT

Drawing Number: E4237/533/D

Client Reference:

Scale: V - 1:500 H - 1:100

Designed By:	Drawn By:	Checked By:
AG	MS	AG
Date: 25.07.24	Date: 25.07.24	Date: 25.07.24

afaq ISO 9001 Quality — UKAS MANAGEMENT SYSTEMS 022

Certified by Afnor UK

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