STANDARD NOTES:

1. This drawing is to be read in conjunction with all other OPUS drawings, and with all relevant Architect's and Engineer's drawings and specification.
2. Not dimensions are to be scaled from this drawing. Unless noted otherwise all dimensions are in millimeters and all levels are in metres from the site datum. All dimensions to be checked on site. All details and dimensions relating to sub-Contractors work must be checked and agreed between the sub-Contractor or supplier and the general Contractor.
3. The electronic information from this drawing cannot be guaranteed as dimensionally drawn exact. Figured dimensions must be used for setting out and detailing. OPUS logos and company information must be removed from copies if/information is re-used".
4. The main Contractor is responsible for the design of all temporary works, and is also responsible for the safe maintenance and stability of existing buildings at all times.
5. The main Contractor is responsible for the mitigation of all occurrences of ground water during the construction period.
6. Any information given regarding existing underground services is given in good faith after consultation with the relevant authority, however accuracy is not guaranteed. The main Contractor is responsible for checking all information on site prior to work commencing and taking due care and attention while undertaking the works.
7. The contractor must comply with all current legislation relating to Health & Safety.

DRAINAGE NOTES:

1. All works to be conducted in strict accordance with specification of the Local Authority, BS8301 1985 & BSEN752-1.
2. All pipe runs near buildings to comply with the Building Regulations 2002 Part H1. Where a pipe is within 1m of a foundation the trench shall be filled with class GEN3 concrete up to the lowest level of the foundation. Where the trench is farther than 1m from the foundation, the trench shall be filled with class GEN3 concrete to a level below the lowest level for the foundation equal to the distance from the foundation less 150mm. In both cases the pipe shall be bedded and surrounded in 150mm thick class GEN3 concrete.
3. Where pipes, external to the structures, have a depth to soffit from ground level of less than 450mm they shall have a class GEN3 concrete encasement (150mm thick).
4. Where a pipe, under a carriageway, has a depth of cover of less than 1.2m the pipe shall be laid in a class Z bedding.
5. Where pipes are bedded and surrounded in concrete, flexible joints should be provided. Compressible boards (fibreboard or polystyrene) shall be provided at a maximum of 8m centres (coinciding with pipe joints). The boards shall be pre-cut to pipe diameter and to a height and width equal to the concrete cross section. A board thickness of 18mm for pipes up to 450mm nominal diameter and 36mm for pipes over 450mm nominal diameter.
6. All private building drainage shall be constructed in strict accordance with BSEN752-1.
7. Unless otherwise specified, building drainage to be 100mm internal diameter.
8. Minimum gradient for Ø100mm surface drainage pipes is 1:40, and Ø150mm is 1:100.
9. Minimum gradients for foul drainage pipes:
   Ø100mm: 1:40 where flow is less than 10l/s, or where no WCs are connected.
   Ø100mm: 1:28 where flow is 10l/s or greater, or where at least 1No. WC is connected.
   Ø150mm: 1:125 where flow is less than 5l/s, or where up to 5No. WCs are connected.
   Ø150mm: 1:50 where flow is 5l/s or greater, or where 5No. or more WCs are connected
10. All gullies not connected to inspection chambers are to be rodddable.
11. All gully connections other than those at manholes to be made via "Y" junctions.
12. Gullies coincident with pedestrian/drive crossings to have pedestrian type gully covers.
13. All road gully connections to be 150mm diameter.
14. All stub stacks to be fitted with air admittance valves where branch drain exceeds 12m except at the head of the run. Soil vent pipes located at the head of a run to be installed with roof tile vent.
15. All connections to be made from soffit to soffit.
16. Trench temporary formwork is required to all excavations exceeding 1.2m depth to provide adequate support and stability at all times.
17. Sewers are to be constructed in single sections between manholes only. Trenches to be backfilled prior to excavating the succeeding sewer run.
18. All concrete and concrete products to be in accordance with BRE 363 for sulphates.
19. Where sewer or drains are to be abandoned they shall be removed or infilled by grouting in accordance with the Civil Engineer Specification for the Water Industry 7th Edition, clause 5.23.

BACKGROUND IS BASED ON THE ARCHITECT'S GA DRAWING

ANY DISCREPANCIES OR UNCERTAINTY WITH THE CONTENT OF THIS DRAWING ARE TO BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION.

HAVANT BORO[illegible] COUNCIL
05 JAN 2016
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LEGEND:

- PROPOSED TYPE 2 MANHOLE WITH INVERT LEVEL ON ADOPTABLE FOUL SEWER.
- PROPOSED TYPE 3 FOUL PPIC WITH INVERT LEVEL ON ADOPTABLE SEWER.
- PROPOSED TYPE 4 FOUL PPIC WITH INVERT LEVEL ON ADOPTABLE LATERAL.
- PROPOSED TYPE 4 FOUL PPIC ON PRIVATE DRAIN.
- PROPOSED TYPE 2 MANHOLE WITH INVERT LEVEL ON ADOPTABLE SURFACE WATER SEWER.
- PROPOSED TYPE 3 STORM PPIC WITH INVERT LEVEL ON ADOPTABLE SEWER.
- PROPOSED TYPE 4 STORM PPIC WITH INVERT LEVEL ON ADOPTABLE LATERAL.
- PROPOSED TYPE 3 STORM PPIC ON PRIVATE DRAIN.
- PROPOSED ROAD GULLY.
- PRIVATE DISH CHANNEL AND YARD GULLY

CONSTRUCTION

Revision	Amendment	Approved	Revision Date
R2	CONSTRUCTION ISSUE	CAA	11.12.2015
T1	GROUNDWORKS ISSUE	CAA	13.11.2015
P1	FIRST ISSUE	CAA	11.11.2015

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Drawn	Designed	Approved	Revision Date
CAA	CAA	DLS	11.11.2015

Project: STATION ROAD, HAYLING ISLAND

Sheet: DRAINAGE

Project No.	Scale	Drawing No.	Sheet No.	Revision
FA E-F1682.00	1:250	300	1 of 1	R2

Original Sheet Size A0 [1189x841] Plot Date 11 Dec 2015 @ 2:48 PM Path G:\Projects EF\EF1000-EF1999\EF1600-EF1699\EF1682\04 CAD\Current Working Drawings\FA E-F1682 300 Drainage.dwg 300