1. NOTES

2. 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 for their protection.

3. All manhole covers/valves/inspection covers in existing carriageway/verges to be adjusted where necessary to suit design levels.

4. Where the works involve the obstruction of a footway, the Contractor shall provide an alternative safe footway properly signed, guarded and lit.

5. All highway works to be carried out in accordance with Hampshire County Council/ Hampshire County Council standard details and to the satisfaction of the Highway Authority Inspector and in accordance with the Specification for Highway Works.

6. All excavation and backfilling work in the existing highway to be in accordance with the provisions of the New Street Works Act 1991 or that specified within the Working Drawings.

7. The Contractor is to comply fully with the CDM Regulations in the course of constructing the works.

8. Any highway or drainage works constructed prior to issue of Technical Approval is entirely at the risk of the Contractor/Client.

9. Prior to laying any material the subgrade must be inspected and any soft spots removed and filled with 6F2 capping material. All earthworks to series 600 of the SHW.

10. Prior to construction of any drainage works, the Contractor is to confirm the invert levels of existing manholes and sewers. Any variations from the designed levels shown on the drawings shall be reported to the Engineer in advance of construction works commencing.

11. All adoptable drainage pipes shall have 360° Class S granular bed and surround. However, any pipes below the adoptable carriageway with less than 1.2m of cover (900mm in verge and untrafficked areas), shall be Gen 3 concrete with flexible joints.

12. All drain and sewer pipes to be laid soffit to soffit, unless shown otherwise.

13. Contractor to refer to Health & Safety Executive 'Note 47–Avoiding Danger from Underground Services' and 'Document G56 – Avoiding Danger from Overhead Electric Lines'.

14. Where one–way traffic is unavoidable, traffic shall be controlled by a proper system of vehicle actuated traffic signals or manual Stop/Go signs and during the hours of darkness by a proper system of vehicle–actuated traffic signals, all to the approval of the Highway Authority.

15. Traffic signs and carriageway markings shall comply with the 'Traffic Signs Regulations and General Directions' (2002). Any plates removed as part of the works to be mounted on new poles where appropriate.

16. Where existing junctions and accesses remain in operation within the works during the construction process, the Contractor shall ensure that access to these units remains available at all times.

17. 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.

18. Where the deposits of debris and mud are unavoidable, warning signs must be exhibited whilst work is in progress and affected carriageways/footways must be regularly cleaned.

19. Do not scale from this drawing. Work only from stated dimensions or setting out details.

20. The Contractor shall be responsible for the traffic safety and management associated with the construction of the works. The Contractor shall not commence any works on the existing highway until his traffic management proposals have been agreed with Hampshire County Council.

21. 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.

22. All levels are in metres above Ordnance Datum.

23. Gullies, gully connections, drains, manholes, catchpits, soakaways, headwalls, and other drainage structures intended to convey only highway water are to be constructed in accordance with the specifications of Hampshire County Council and to the satisfaction of the Highway Inspector.

24. Where grass service strips are present a requirement is to be placed on the owner/occupier to maintain the grassed areas and to ensure that no planting is carried out which is injurious to the underlying services. Vehicle crossings and personnel paths to be constructed to adoptable standards.

KEY:

Symbol	Description
Type CLAY 375mm @ 1 in 43 IL:13.70	PRIVATE SURFACE WATER DRAIN, MANHOLE & PIPE DETAILS
Type CLAY 375mm @ 1 in 43 IL:13.70	ADOPTABLE HIGHWAY DRAIN, MANHOLE & PIPE DETAILS
Type CLAY 150mm @ 1 in 113 IL:12.75	FOUL WATER SEWER, MANHOLE & PIPE DETAILS
25.0	ROAD CHAINAGE
	ROAD CENTRE LINE
17.50	PROPOSED ROAD CONTOURS
	HIGHWAY GULLY & CONNECTION
IL:23.90	PRIVATE SW DRAIN, INSPECTION CHAMBER & INVERT LEVEL
RE	PRIVATE SW RODDING EYE
IL:23.50	PRIVATE FW DRAIN, INSPECTION CHAMBER & INVERT LEVEL
ACO	PRIVATE ACO DRAIN
	PROPOSED CELLULAR STORAGE
	PRIVATE YARD GULLY & CONNECTION
FFL 27.90	FINISHED FLOOR LEVELS
+28.35	PROPOSED SPOT LEVELS
1/8	FALL ARROWS
4Steps	PROPOSED STEPS
Ex BW 0.3	EXPOSED BRICKWORK
Ta 0.15	TANKING
RW 0.30	RETAINING WALL & MAXIMUM RETAINED HEIGHT
SOE 0.225	SLAB ON EDGE & RETAINED HEIGHT
LRW 0.45	LOG RETAINING WALL
PV	PERMAVOID DISTRIBUTION TANK
CP	PRIVATE CATCHPIT
SA1	Ring Soakaway Type 1 3x3x1.7m effective depth Drainage Area 240m2 Infiltration Rate 1.14x10–4m/s
SA2	Ring Soakaway Type 2 3x3x2.0m effective depth Drainage Area 110m2 Infiltration Rate 3.54x10–6m/s
SA3	Ring Soakaway Type 3 2.5x2.5x1.0m effective depth Drainage Area 40m2 Infiltration Rate 1.14x10–4m/s

LIGHTING KEY:

(APPROX LOCATIONS) PROPOSED 6 METRE NOMINAL HEIGHT POST TOP POLYMER COATED TUBULAR STEEL LIGHTING COLUMNS, COMPLETE WITH POST TOP MOUNTED LANTERNS (WRTL LIBRA FITTED WITH 36W PLL LAMPS AT 5 DEGREE TILT) LANTERN TO HAVE 'DALI' ELECTRONIC BALLASTS. CONTROL BY MAYFLOWER INTELLIGENT MANAGEMENT SYSTEM (MIMS) REMOTE MONITORING NODES.

Rev	By	Date	Description
B	SS	08.12.14	S278 design revised. Surface water drainage adjusted accordingly. Road 1 chainage nolation amended accordingly
A	SS	12.11.14	Amended in accordance with latest external works drawing

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Job Title
Langstone View
Bedhampton

Drawing Title
Engineering Layout A0
Sheet 1 of 2

Designed by:	Drawn by:	Checked by:
SS	MR	RMB

Date	Scale
October 2014	1:250 @ A0

Drg. No.	Rev.
4040/02/05	B