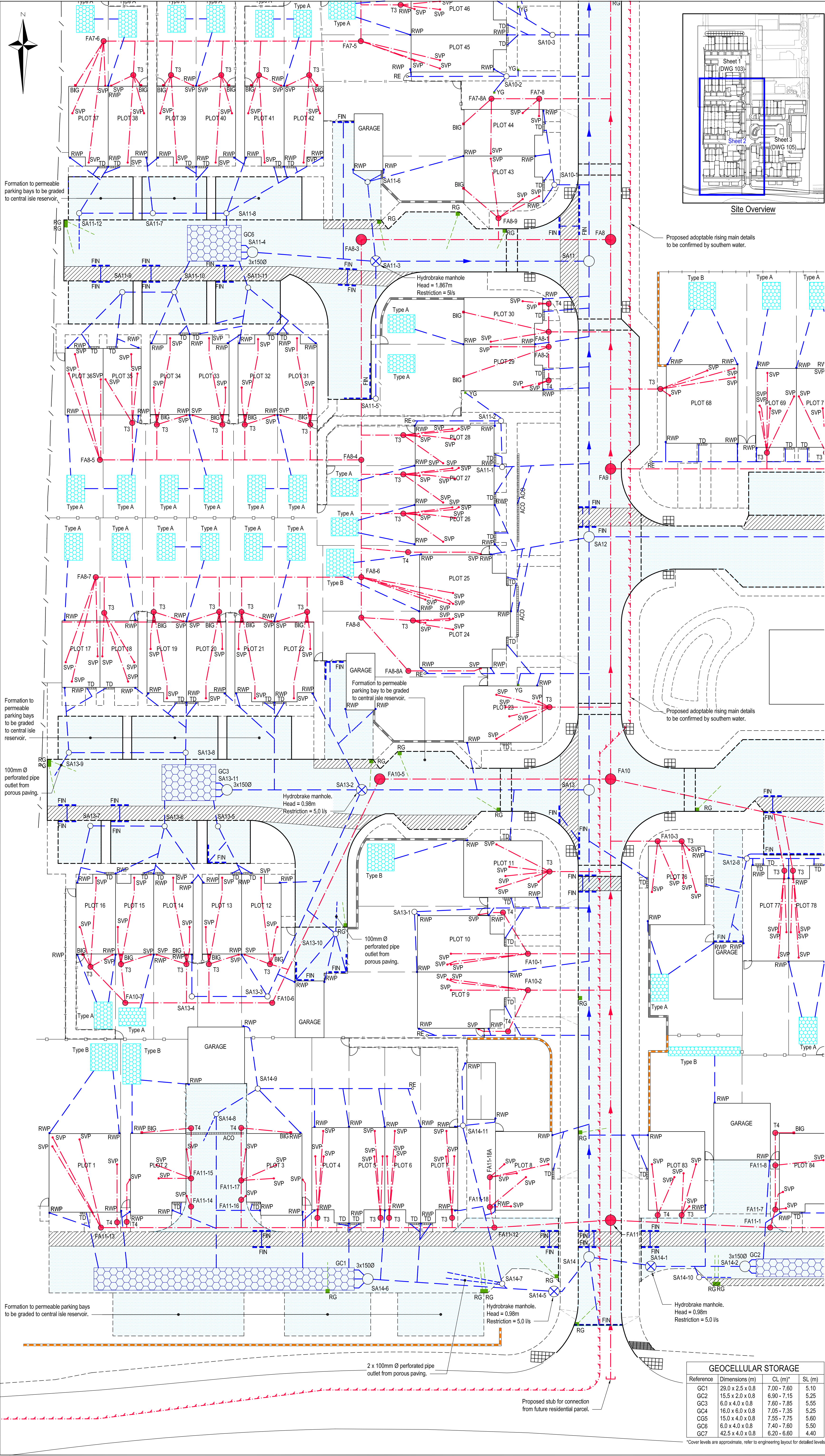




- NOTES**
- This drawing to be read in conjunction with all relevant documents and specifications.
 - Dimensions not to be scaled.
 - All works to be carried out in accordance with Sewers for Adoption 7th Edition.
 - Covers & frames to existing chambers to be adjusted to suit new levels.
 - All manhole chamber covers to be installed parallel to final kerbs, edgings, paving joints or building lines as appropriate.
 - Drainage connections to adopted Southern Water sewers to be strictly in accordance with note 3 and Section 106 of the Water Industry Act.
 - This drawing details all below ground drainage up to finished floor level. For details of drainage above finished floor level, refer to Architects drawings for details.
 - Soil and rain water pipe locations are indicative only, refer to Architects drawings for details.
 - For levels of all external handstanding refer to the Engineering Layouts.
 - All rainwater downpipes to be provided with above ground roddable access points.
 - All stack connections under buildings to be 100mmØ at minimum gradient of 1 in 100 unless otherwise noted.
 - All RWP connections to be 100mm at minimum gradient of 1 in 100 unless otherwise noted.
 - 150mmØ to 225mmØ pipework for adoption to be Vitrified Clay (VC) pipes, Kitemark certificate with flexible spigot and socket joints and shall comply with the requirements of BS EN 295 and BS 65 (Surface Water Only).
 - 300mmØ and above pipework for adoption to be concrete, Kitemark certified with flexible spigot and socket joints and shall comply with the requirements of BS EN 1916 and BS 5911 Part 1.
 - Private pipework may be either VC or thermoplastic structured wall sewer pipe and shall comply with WIS 4-35-01. Pipes shall be BSi Kitemarked, or have equivalent third part certification.
 - The existing services shown are taken from existing records and are indicative only. No guarantee is given as to their accuracy which must be confirmed on site by hand dug trial holes prior to commencing excavation.
 - All existing chambers, gullies, etc within the works which are NOT to be reused shall be broken down to below formation level and the remaining void back filled with lean concrete to formation level.
 - Contractor to ensure garden area is prepared for landscaping in accordance with NHBC standard 9.2-S6.
 - Geocellular systems have been based on a typical soakage rate of 1.4 x 10-6 m/s provided in the ground investigation report. Rates should be confirmed at the site with soakage testing to BRE365 at the proposed location and depth of all soakaways / storage features prior to construction.
 - All new domestic geocellular soakaways are to be founded within the sand layer indicated to be at depths of around 2.0m within the ground investigation report. Minimum cover within landscaped areas to be not less than 0.5m.

- KEY**
- Site boundary
 - Existing foul water sewer
 - Existing surface water sewer
 - Proposed foul water sewer
 - Proposed surface water sewer
 - Proposed foul water rising main
 - RWP Rainwater down pipe. Refer to architects details.
 - SVP Soil vent pipe / foul connection. Refer to Architects details.
 - BIG Back Inlet Gully. Location indicative. Refer to Architects details.
 - RE Proposed rodding eye
 - RG Proposed road gully
 - YG Proposed yard gully
 - F21 Proposed foul water manhole. Refer to sewer schedules for details.
 - S11 Proposed surface water manhole. Refer to sewer schedules for details.
 - S11 Proposed Hydrobrake by Hydro International (01275 879371).
 - FIN Proposed Hydaway FinDrain fitted with 110mm OD outlet and Top Hat unless noted otherwise
 - Proposed perforated distributor / collection pipe wrapped in Terram 1000 permeable geotextile
 - ACO Proposed Linear drainage channel - ACO S100 (or similar approved), unless noted otherwise.
 - TD Proposed Threshold drain - ACO Hex Drain Brick Slot (or similar approved), unless noted otherwise.
 - T3 / T4 Proposed Type 3 / Type 4 Surface/Foul Water Inspection Chamber
 - Denotes area with permeable sub-base reservoir. Refer engineering layout for details.
 - Proposed Geocellular storage wrapped in geotextile. Wavin Aquacell Plus or similar approved. Refer note 19.
 - Proposed Domestic Soakaway wrapped in geotextile. Wavin Aquacell Plus or similar approved. Refer notes 19 / 20
 - Type A = 2.0m x 3.0m x 0.4m high
 - Type B = 3.0m x 3.0m x 0.4m high
 - Proposed headwall
 - Root protection area - All works within the RPA to be approved and monitored by the Arboriculturalist. See Landscape Architect's drawings for trees to be removed.
 - Non porous service strip. Refer to Engineering drawings for details.

C3	Minor Changes	24/02/2017	KR
C2	Layout amended	15/08/2016	KR
C1	Services strips added and site layout amended to latest Architects drawings. Drainage revised to suit.	03/11/2015	SH
P1	Preliminary issue	19/06/2015	MP
Rev	Description	Date	Chkd



Glanville
Comerstone House
62 Foxhall Road, Didcot
Oxon, OX11 7AD
Tel: (01235) 515550 Fax: (01235) 817799
postbox@glanvillegroup.com www.glanvillegroup.com

Client :  **PERSIMMON**

Project : **TODDINGTON LANE
NORTH LITTLEHAMPTON**

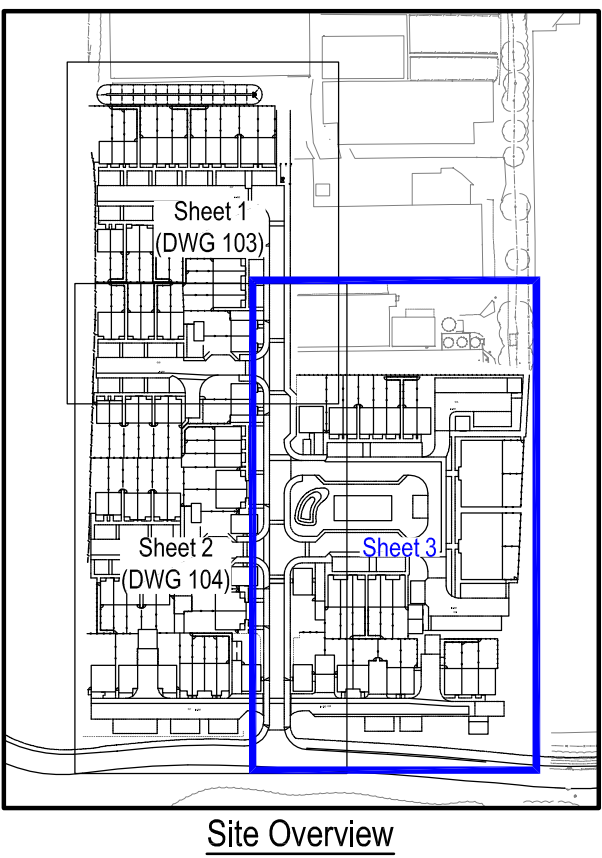
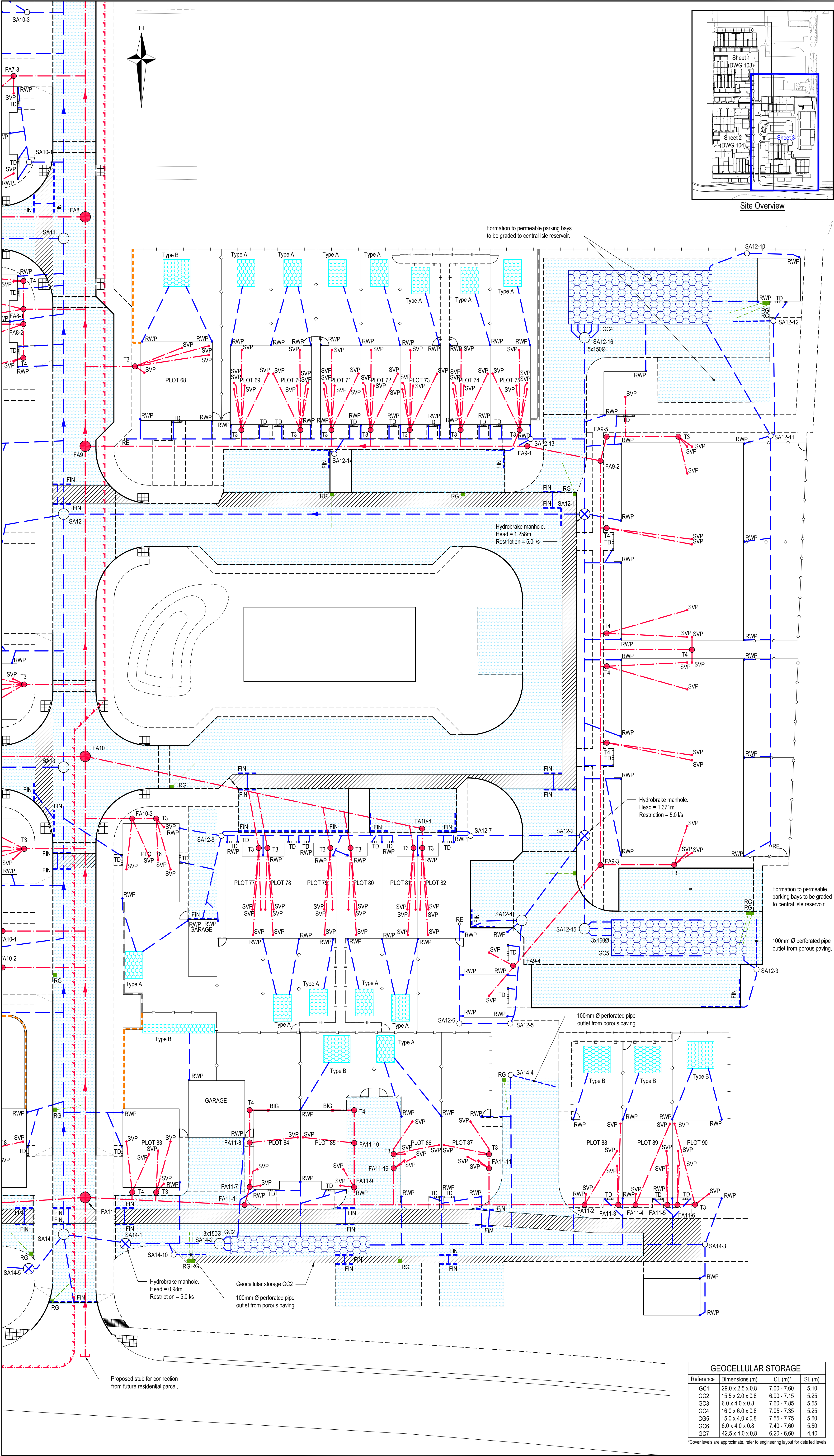
Title : **Parcel A1
Drainage Layout
Sheet 2 of 3**

Project Engineer : S Hudson Scale : 1:200 @ A1
Project Director : K Rayner Date : June 2015
Status : **CONSTRUCTION**

Drawing No. CV8150558/104 Rev C3

GEOCELLULAR STORAGE			
Reference	Dimensions (m)	CL (m)	SL (m)
GC1	29.0 x 2.5 x 0.8	7.00 - 7.60	5.10
GC2	15.5 x 2.0 x 0.8	6.90 - 7.15	5.25
GC3	6.0 x 4.0 x 0.8	7.80 - 7.85	5.55
GC4	16.0 x 6.0 x 0.8	7.05 - 7.35	5.25
GC5	15.0 x 4.0 x 0.8	7.55 - 7.75	5.60
GC6	6.0 x 4.0 x 0.8	7.40 - 7.60	5.50
GC7	42.5 x 4.0 x 0.8	6.20 - 6.80	4.40

*Cover levels are approximate, refer to engineering layout for detailed levels.



- NOTES**
- This drawing to be read in conjunction with all relevant documents and specifications.
 - Dimensions not to be scaled.
 - All works to be carried out in accordance with Sewers for Adoption 7th Edition.
 - Covers & frames to existing chambers to be adjusted to suit new levels.
 - All manhole chamber covers to be installed parallel to final kerbs, edgings, paving joints or building lines as appropriate.
 - Drainage connections to adopted Southern Water sewers to be strictly in accordance with note 3 and Section 106 of the Water Industry Act.
 - This drawing details all below ground drainage up to finished floor level. For details of drainage above finished floor level, refer to Architects drawings.
 - Soil and rain water pipe locations are indicative only, refer to Architects drawings for details.
 - For levels of all external handstanding refer to the Engineering Layouts.
 - All rainwater downpipes to be provided with above ground roddable access points.
 - All stack connections under buildings to be 100mmØ at minimum gradient of 1 in 40 unless otherwise noted.
 - All RWP connections to be 100mm at minimum gradient of 1 in 100 unless otherwise noted.
 - 150mmØ to 225mmØ pipework for adoption to be Vitrified Clay (VC) pipes, Kitemark certificate with flexible spigot and socket joints and shall comply with the requirements of BS EN 295 and BS 65 (Surface Water Only).
 - 300mmØ and above pipework for adoption to be concrete, Kitemark certified with flexible spigot and socket joints and shall comply with the requirements of BS EN 1916 and BS 5911 Part 1.
 - Private pipework may be either VC or thermoplastic structured wall sewer pipe and shall comply with WIS 4-35-01. Pipes shall be BSI Kitemarked, or have equivalent third part certification.
 - The existing services shown are taken from existing records and are indicative only. No guarantee is given as to their accuracy which must be confirmed on site by hand dug trial holes prior to construction.
 - All existing chambers, gullies, etc within the works which are NOT to be reused shall be broken down to below formation level and the remaining void back filled with lean concrete to formation level.
 - Contractor to ensure garden area is prepared for landscaping in accordance with NHBC standard 9.2-S6.
 - Geocellular systems have been based on a typical soakage rate of 1.4 x 10-6 m/s provided in the ground investigation report. Rates should be confirmed at the with soakage testing to BRE365 at the proposed location and depth of all soakaways / storage features prior to construction.
 - All new domestic geocellular soakaways are to be founded within the sand layer indicated to be at depths of around 2.0m within the ground investigation report. Minimum cover within landscaped areas to be not less than 0.5m.

- KEY**
- Site boundary
 - Existing foul water sewer
 - Existing surface water sewer
 - Proposed foul water sewer
 - Proposed surface water sewer
 - Proposed foul water rising main
 - RWP Rainwater down pipe. Refer to architects details.
 - SVP Soil vent pipe / foul connection. Refer to Architects details.
 - BIG Back Inlet Gully. Location indicative. Refer to Architects details.
 - RE Proposed rodding eye
 - RG Proposed road gully
 - YG Proposed yard gully
 - F21 Proposed foul water manhole. Refer to sewer schedules for details.
 - S11 Proposed surface water manhole. Refer to sewer schedules for details.
 - S11 Proposed Hydrobrake by Hydro International (01275 878371).
 - FIN Proposed Hydaway FinDrain fitted with 110mm OD outlet and Top Hat unless noted otherwise
 - Proposed perforated distributor / collection pipe wrapped in Terram 1000 permeable geotextile
 - ACO Proposed Linear drainage channel - ACO S100 (or similar approved), unless noted otherwise.
 - TD Proposed Threshold drain - ACO Hex Drain Brick Slot (or similar approved), unless noted otherwise.
 - T3 / T4 Proposed Type 3 / Type 4 Surface/Foul Water Inspection Chamber
 - Denotes area with permeable sub-base reservoir. Refer engineering layout for details.
 - Proposed Geocellular storage wrapped in geotextile, Wavin Aquacell Plus or similar approved. Refer note 19.
 - Proposed Domestic Soakaway wrapped in geotextile, Wavin Aquacell Plus or similar approved. Refer notes 19 / 20
Type A = 2.0m x 3.0m x 0.4m high
Type B = 3.0m x 3.0m x 0.4m high
 - Proposed headwall
 - Root protection area - All works within the RPA to be approved and monitored by the Arboriculturalist. See Landscape Architect's drawings for trees to be removed.
 - Non porous service strip. Refer to Engineering drawings for details.

C2	Substation relocated	17/11/2015 MP	SH
C1	Services strips added and site layout amended to latest Architects drawings. Drainage revised to suit.	03/11/2015 MM	SH
Rev	Description	Date	Chkd

Glanville
 Cornerstone House
 62 Foxhall Road, Didcot
 Oxon, OX11 7AD
 Tel: (01235) 515550 Fax: (01235) 817799
 postbox@glanvillegroup.com www.glanvillegroup.com

Client :

Project : **TODDINGTON LANE
NORTH LITTLEHAMPTON**

Title : **Parcel A1
Drainage Layout
Sheet 3 of 3**

Project Engineer : S Hudson Scale : 1:200 @ A1
 Project Director : K Rayner Date : June 2015
 Status : **CONSTRUCTION**

Drawing No. **CV8150558/105** Rev **C2**

Reference	Dimensions (m)	CL (m)	SL (m)
GC1	29.0 x 2.5 x 0.8	7.00 - 7.60	5.10
GC2	15.5 x 2.0 x 0.8	6.90 - 7.15	5.25
GC3	6.0 x 4.0 x 0.8	7.80 - 7.85	5.55
GC4	16.0 x 6.0 x 0.8	7.05 - 7.35	5.25
GC5	15.0 x 4.0 x 0.8	7.55 - 7.75	5.60
GC6	6.0 x 4.0 x 0.8	7.40 - 7.60	5.50
GC7	42.5 x 4.0 x 0.8	6.20 - 6.80	4.40

*Cover levels are approximate, refer to engineering layout for detailed levels.