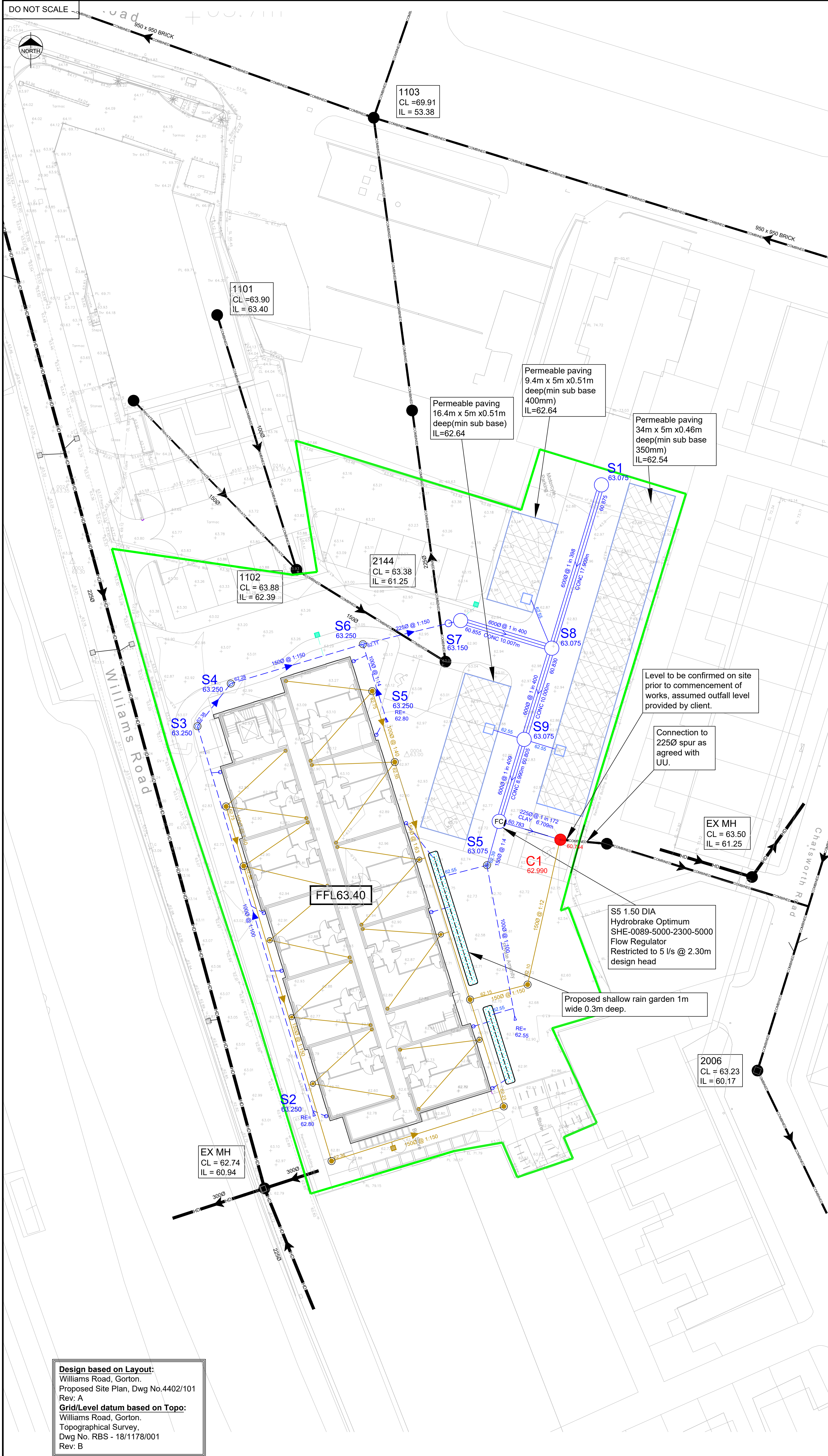




Notes

- Setting out shall be undertaken using only the information given. Distances should not be scaled from this drawing.
- The minimum gravity pipe diameter under adoptable highways shall be 150mm
- It is the responsibility of the Contractor to verify all information given with regards to existing services and drainage connections etc. prior to commencing the works. The rates shall include for hand dig around services where necessary. The Contractor shall adhere to the CDM Regulations at all times
- Existing flows in watercourses, sewers and land drains shall be maintained at all times
- Only trained personnel shall be permitted to enter confined spaces
- All materials to bear the relevant B.S. Kitemark and comply fully with the specifications. All concrete & concrete products must use Sulphate resistant cement to withstand Class 3 condition (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur).
- All opening notices etc. as required under Highways Acts etc. are to be obtained prior to commencement of works. All works are to be inspected by L.A., NHBC or the Network Operator as applicable.
- Trench backfill in highways to within 1m of highway shall, as directed by the Highway Authority be a suitable granular material all in accordance with Sewers for Adoption.
- Slab levels shall not be varied without reference to the Engineer for guidance.
- Pipes have not been designed to accommodate construction traffic loading. The contractor is responsible for providing adequate protection to the pipes during construction.
- All SVP and RWP connections are indicative and shall be confirmed by architect.
- Pipe gradients out of the building to connecting manhole to be laid at 1:40 in accordance with Building Regulations, Part H, Table 6.
- Where pipe sizes are not indicated 1000 to be used for surface and foul unless stated otherwise.
- Minimum surface water gradients shall be:
1000 laid at 1:100
1500 laid at 1:150
- Minimum 1000 foul drainage gradient to be 1:80 with the exception of the first connection which shall be maximum 1:40.
- Manhole covers to be marked FWS or SW as appropriate.
- All manhole covers and frames shall comply with BS EN124. Covers in roads to be grade D400 and be 150mm deep. Manhole covers in car parking areas and drives to be grade B125 and covers in landscaping areas to be grade A15. All to be sized in accordance with Building Regulations Part H, Tables 11 & 12.
- Precast concrete rings to be reinforced.
- Backdrops in private manholes / inspection chambers to be internal
- Private drains laid under adopted / private roads to be Class S granular bed and surround with a minimum of 1.2m cover, where this cannot be achieved a Class Z concrete bed and surround shall be provided.
- Private drains located under landscape areas or driveways / car parking bays to be Class F granular bed and surround with a minimum 0.6m cover, where this cannot be achieved a Class Z concrete bed and surround shall be provided.

Legend

- Development Boundary**
- Existing**
- Existing Combined Sewer
 - Existing Highway Drain
- Proposed**
- Private Surface Water Sewer (S1)
 - Private Foul Sewer (F1)
 - Adoptable Combined Sewer (C1)
 - Permeable Paving & Distributor Box
 - Flow Control Device Manhole (FC)
 - Catchpit Manhole (CP)
 - Shallow Rain Garden
 - Private Surface Water Drain (2250 IC, 4500 IC)
 - Private Foul Drain
 - SVP
 - RWP
 - Rodding Eye
 - Private Road Gully
 - Private Foul Gully
 - Plot Slab Level (FFL 29.95)

TENDER

B	19.04.22	Updated to suit revised design	LW	LW
A	25.03.22	Updated to suit revised outfall	LW	LW
Rev.	Date	Revision	By	Appd.

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Client

MANGROVE ESTATES LTD

Project

CHATSWORTH MILL,
WILLIAMS ROAD, GORTON.

Title

Proposed Drainage Layout

DRAWING NUMBER	SCALE at A1	1:200
7588 / 08	DATE	11.01.22
	DRAWN	LW
	CHECKED	AJ
	REVISION	B