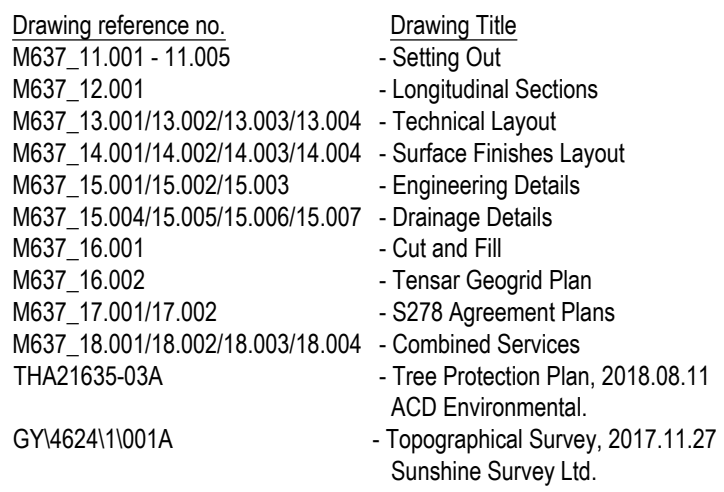




1. This drawing is to be read in conjunction with all other drawings and specifications.
2. Any discrepancies found between information shown on this or any other drawing shall be reported to the Engineer immediately and prior to works commencing on site.
3. Dimensions not to be scaled.
4. All works to be to Building Regulations Part H and Part M(1).
5. This drawing details all below ground drainage up to finish floor level. For details of drainage above finish floor levels refer to Architect's drawings.
6. Refer to Architect's drawings for rain water pipe locations.
7. All slack connections to be 100mmØ at a minimum gradient of 1 in 40 (SVP) or 1 in 30 (FS) unless otherwise noted.
8. All RWPs to be provided with above ground rounded access points.
9. Where pipe diameters and gradients are not shown, foul and surface water pipes to be 100mm laid at a minimum gradient of 1:60 unless otherwise noted.
10. Private pipework to be plastic up to 450mm diameter and comply with BS EN 13476 and W5 4-35/01 v2. Pipes shall be BS1 Ktemarked, or have equivalent third party certification.
11. All pipework shall join at a softfill level unless otherwise stated on the drawing or schedules.
12. Refer to Table 1 for chamber type key. Where chamber types are not shown, chamber to be Type 3 (>2m depth) or Type 4 (<2m depth) inspection chamber.
13. Cover grade of chambers with depth to invert >1.2m to be D400. Cover grade of chambers with depth to invert <1.2m, refer to Table C of Drainage Details Sheet 3 (M337, 15.006/15.006).
14. For all other details of manhole, inspection chamber and cover sizing and specification refer to Drainage Details Sheets 3 and 4 (M337, 15.006/15.007).
15. All manhole / inspection chamber covers to be installed parallel to final kerbs, edgings, paving joints or building lines as appropriate. Cover levels are approximate only. All covers to be set flush with finished surface.
16. Invert levels of existing chambers have been taken from third party information and should be confirmed onsite prior to commencement of drainage works. Any discrepancies in the levels of the drainage should be reported immediately to the Engineer.
17. Threshold drains to be indicative only according to Architect's details.
18. Gravelboard heights indicated and to be used where retained heights at property boundaries are 600mm or less.
19. Proposed road levels provided at channel level unless noted otherwise.
20. It is to be the contractor's responsibility to ensure that all services that are affected by the works are located prior to works commencing. Trial holes are to be dug if necessary.
21. Existing drainage that will serve no purpose post development is to be either removed or suitably stopped up by end capping or in infilling with concrete with no hindrance to the retained system.
22. Drainage works in connection to the existing foul Southern Water sewerage to be undertaken by the chosen contractor under Section 106 of the Water Industry Act 1991. The contractor is to arrange for final inspection of the adoptable works with Southern Water Developer Services (Tel. 01962 716042).
23. Buried concrete to be Design Sulphate Class DS-2 and ACCE AC-2 within Made Ground, and DS-1 and AC-1 within River Terrace Deposits or Chalk Bedrock.

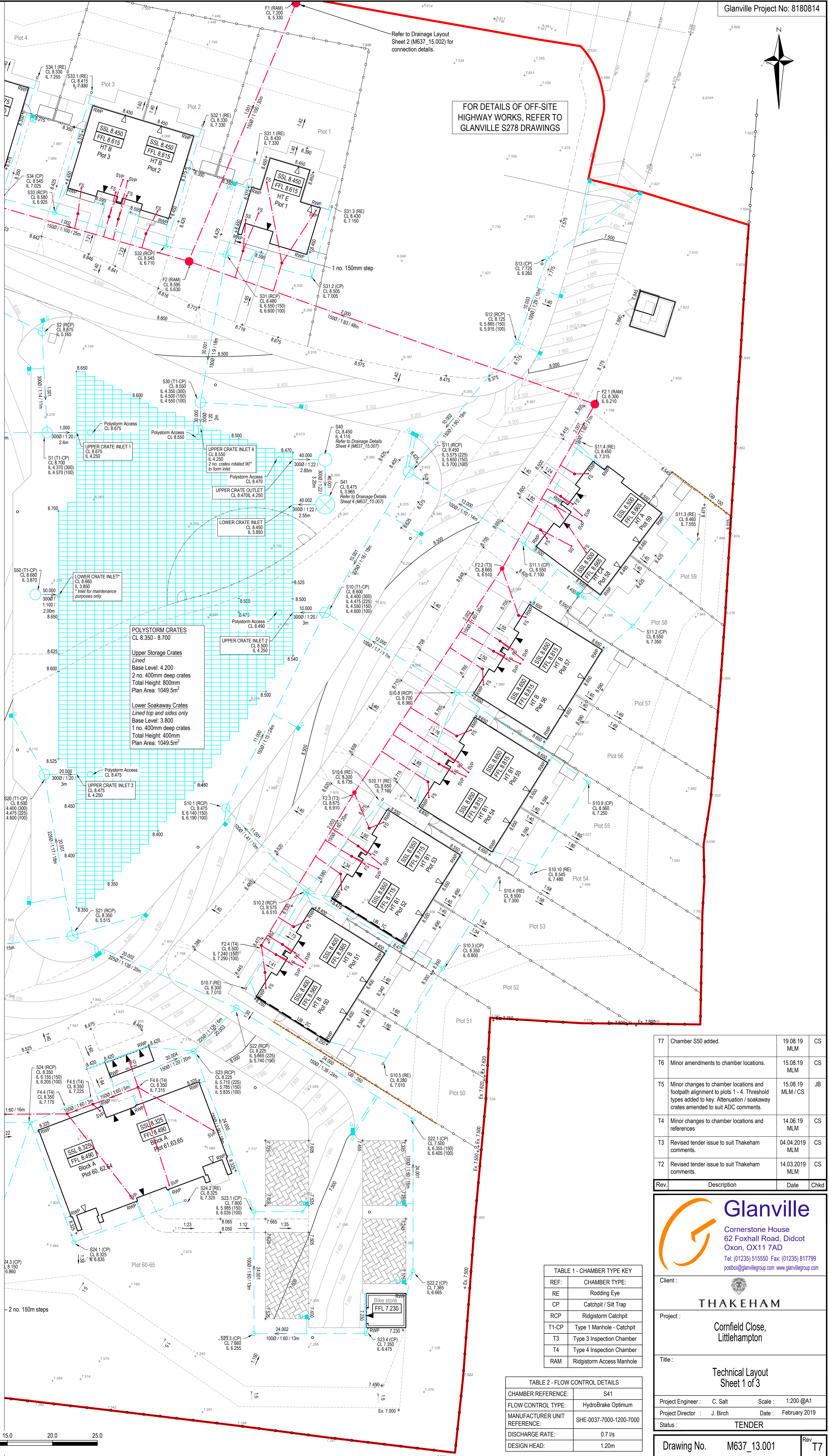
	Site boundary
	Existing foul water manhole
	Existing foul water sewer
	Proposed private foul water pipe
	Proposed private surface water drainage
	Proposed surface water manhole / inspection chamber
	Proposed surface water flow control chamber
	Proposed foul water manhole / inspection chamber
RWP	Rain Water Pipe
(RE)	Rodding Eye
	ACO MultiDrain with sump or similar approved
SVP / FS	Proposed Soil Vent Pipe / Foul Stack
+FG	Proposed Foul Water Floor Gully
	Proposed Permeavoid Rainwater Diffuser unit
	Proposed Road Gully (Polypipe Rigidgully)
	Proposed Drive Gully (Polypipe Midgully)
	Proposed Polystorm Crates
	Permeable Paving (refer to Surface Finishes Layout)
1.003	Pipe Reference No.
	Direction of Fall
1500 / 1100 / 10m	Pipe Diameter / Gradient / Length
S21.2 (CP)	Chamber Reference No. (Chamber Ref. - Table 1)
CL 8.540	Cover Level
IL 6.875 (225)	Invert Level (Pipe diameter)
	Stepped threshold
	Level threshold
+6.525	Existing level
+6.820	Proposed level
140	Proposed gradient
SSL 7.500	Proposed structural slab level
FFL 7.400	Proposed finished floor level
UB - 1C	Underbuild (with no. brick courses)
GB - 150	Gravelboard (with height in mm)
	Embankment
	Proposed contour (0.05m band)
	Proposed contour (0.50m band)

1. Refer to Drainage Details Sheet 2 and 4 (M637, 15.005 and 15.007) for soakaway construction details and installation guidance.
2. Construction detail and product specifications to be approved by Polypipe prior to construction. All Polypipe units to be installed in accordance with Polypipe installation guidance, and where necessary the manufacturer should be consulted prior to installation.
3. 1 no. Polystorm Access Manhole to be provided per inlet and outlet as shown, for use for inspection only. Maintenance activities, such as rodding and flushing, to be carried out from inlet manholes S1, S10, S20 and S30, and outlet manhole S40.
4. The functioning of the soakaway structure relies upon the continued appropriate maintenance of all upstream catchpits and silt traps. All features to be maintained in accordance with the Management and Maintenance Plan.

Many soakaway failures result from actions carried out during the construction process.

All infiltration devices should be protected from contamination by silt, cement washings etc. during the construction period.

It is recommended that until all construction works have been completed within the contributory areas, that the manholes upstream of the soakaway are used as catch and regularly inspected and cleaned throughout the construction process.



T7	Chamber S50 added.	19.08.19 MLM	CS
T6	Minor amendments to chamber locations.	15.08.19 MLM	CS
T5	Minor changes to chamber locations and footpath alignment to plots 1 - 4. Threshold types added to key. Attenuation / soakaway crates amended to suit ADC comments.	15.08.19 MLM / CS	JB
T4	Minor changes to chamber locations and references	14.06.19 MLM	CS
T3	Revised tender issue to suit Thakeham comments.	04.04.2019 MLM	CS
T2	Revised tender issue to suit Thakeham comments.	14.03.2019 MLM	CS
Rev.	Description	Date	Chkd

 Glanville Cornerstone House 62 Foxhall Road, Didcot Oxon, OX11 7AD Tel: (01235) 515550 Fax: (01235) 017799 poston@glanvillegroup.com www.glanvillegroup.com			
Client : 			
THAKEHAM			
Project : Cornfield Close, Littlehampton			
Title : Technical Layout Sheet 1 of 3			
Project Engineer :	C. Salt	Scale :	1:200 @A1
Project Director :	J. Birch	Date :	February 1919
Status :		TENDER	
Drawing No. M637_13.001		Rev T7	

REF:	CHAMBER TYPE:
RE	Rodding Eye
CP	Catchpit / Silt Trap
RCP	Ridgistorm Catchpit
T1-CP	Type 1 Manhole - Catchpit
T3	Type 3 Inspection Chamber
T4	Type 4 Inspection Chamber
RAM	Ridgistorm Access Manhole

TABLE 2 - FLOW CONTROL DETAILS	
CHAMBER REFERENCE:	S41
FLOW CONTROL TYPE:	HydroBrake Optimum
MANUFACTURER UNIT REFERENCE:	SHE-0037-7000-1200-7000
DISCHARGE RATE:	0.7 l/s
DESIGN HEAD:	1.20m