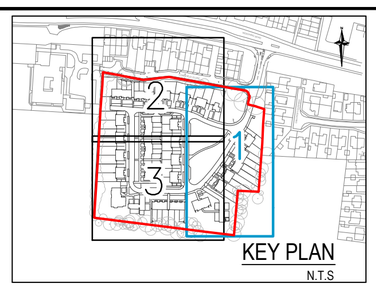
Glanville Project No: 8180814

| Drawing reference no. | Drawing Title |
|---|---|
| M637_11.001 - 11.005 | - Setting Out |
| M637_12.001 | - Longitudinal Sections |
| M637_13.001/13.002/13.003/13.004 | - Technical Layout |
| M637_14.001/14.002/14.003/14.004 | - Surface Finishes Layout |
| M637_15.001/15.002/15.003 | - Engineering Details |
| M637_15.004/15.005/15.006/15.007 | - Drainage Details |
| M637_16.001 | - Cut and Fill |
| M637_16.002 | - Tensar Geogrid Plan |
| M637_17.001/17.002 | - S278 Agreement Plans |
| M637_18.001/18.002/18.003/18.004 | - Combined Services |
| THA21635-03A | - Tree Protection Plan, 2018.08.11 ACD Environmental. |
| GY\4624\1\001A | - Topographical Survey, 2017.11.27 |




NOTES

1. Do not scale from this drawing.
2. This drawing is to be read in conjunction with all other relevant documents and specifications.
3. 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.
4. Refer to Architect's drawings for exact dimensions of buildings.
5. Refer to Architect's drawings for extents and detail of all soft landscaping and unspecified hard landscaping areas.
6. The Contractor shall arrange inspection by the relevant authority for all tie-in works to highway areas.
7. The generally expected ground conditions are Made Ground overlying River Terrace Deposits. This is underlain by Lewes Modular Chalk. CBR testing by GESL found values ranging between 1% and >30%. Therefore, road construction is based on a minimum CBR value of 1%. CBR testing to be carried out in accordance with the Glanville CBR Test Plan, GESL Specification and in accordance with the requirements of DMRB, at MSL formation level and Sub-Base formation level pre- and post-MSL construction respectively.
8. All capping materials should meet the requirement of either 6F4 or 6F5 of Table 6/1 of the Specification for Highway Works Series 600. Capping material shall be used as part of the Tensar mechanically stabilised layer as shown on the details. For tanked porous paved roads capping material should be placed beneath the impervious liner (tanking membrane) and shall not be used as an alternative to Type 3, or to reduce the depth of the Type 3 sub-base above the impervious liner.
9. Sub-base and capping depths are minimum required. Depth to be increased accordingly to avoid steps in Tensar geogrid placement. Refer to Engineering Details.
10. The Made Ground is considered to be frost susceptible, therefore minimum pavement construction depth to be 450mm.
11. Soft spots to be removed and filled to a minimum depth of 600mm with Type 3 open graded crushed rock sub-base material and formation proof rolled prior to construction.
12. Proposed kerbs to comply with BS EN 1340.
13. Refer to the Architect's drawings and specifications for top-soiling, planting, planter and edging details to the planters.
14. Unless specifically noted otherwise, clauses and tables refer to The Specification for Highway Works (SFHW): Volume 1 of the Manual of Contract Documents for Highway Works.
15. Block paving to be installed strictly in accordance with the manufacturer's specification and guidance and BS 7533-3:2005 - Code of practice for laying precast concrete paving blocks and clay pavers for flexible pavements.
16. Prior to laying block paving the surface of the laying course shall be treated with a granular residual herbicide containing Dichlobenil. After laying of the blocks granular herbicide shall be brushed into the joints. Application must be in accordance with the manufacturer's recommendations and guidance.
17. Where base course is to be punched, it is to be thoroughly cleaned (mechanically) before.
18. All block paving to be laid in 90° herringbone pattern.
19. Patios formed using 600mm square slabs with 150 pea shingle strips to all abutments with buildings, fences & garden walls.
20. Concrete slabs to be laid in accordance with laying patterns shown on Engineering Construction Details drawing.
21. All service / utility covers to be paved in covers matching adjacent paving material and aligned with coursing.

KEY:

**A — ASPHALT CARRIAGEWAY CONSTRUCTION**

30mm AC10 Close Surf 100/150 rec. to BS EN 13108-1:2016.
60mm AC20 Dense Bin 40/60 rec. to BS EN 13108-1:2016.
100mm AC32 Dense Base 40/60 rec. to BS EN 13108-1:2016.
150mm Type 1 Sub-base to SHW1 Clause 803.

Tensar mechanically stabilised layer. Refer to Model Specification MS_ETA-TriAx_MSL.
150mm Type 6F4/6F5 Capping. Max. 75mm particle size to SHW1 : Series 600.
1 Layer Tensar Triax Type A-23327-L2 Geogrid.
300mm Type 6F4/6F5 Capping. Max. 75mm part size to SHW1 : Series 600.
1 Layer Tensar Triax Type A-23327-L1 Geogrid.
75mm (Minimum) Blinding layer Type 6H Capping to SHW1 : Series 600.

**C — ASPHALT FOOTWAY CONSTRUCTION**

20mm AC6 Dense Surf 100/150 rec. to BS EN 13108-1:2016.
50mm AC20 Dense Bin 40/60 rec. to BS EN 13108-1:2016.
100mm Type 1 Sub-base to SHW1 Clause 803.

Tensar mechanically stabilised layer. Refer to Model Specification MS_ETA-TriAx_MSL.
150mm Type 6F4/6F5 Capping. Max. 75mm part size to SHW1 : Series 600.
1 Layer Tensar Triax Type A-23327-L2 Geogrid.
300mm Type 6F4/6F5 Capping. Max. 75mm part size to SHW1 : Series 600.
1 Layer Tensar Triax Type A-23327-L1 Geogrid.
75mm (Minimum) Blinding layer Type 6H Capping to SHW1 : Series 600.

**D — ASPHALT FOOTWAY CONSTRUCTION : VEHICLE CROSSOVER**

20mm AC6 Dense Surf 100/150 rec. to BS EN 13108-1:2016.
50mm AC20 Dense Bin 40/60 rec. to BS EN 13108-1:2016.
200mm Type 1 Sub-base to SHW1 Clause 803.

Tensar mechanically stabilised layer. Refer to Model Specification MS_ETA-TriAx_MSL.
150mm Type 6F4/6F5 Capping. Max. 75mm part size to SHW1 : Series 600.
1 Layer Tensar Triax Type A-23327-L2 Geogrid.
300mm Type 6F4/6F5 Capping. Max. 75mm part size to SHW1 : Series 600.
1 Layer Tensar Triax Type A-23327-L1 Geogrid.
75mm (Minimum) Blinding layer Type 6H Capping to SHW1 : Series 600.

**E — BLOCK PAVED PRIVATE DRIVE / PARKING BAY CONSTRUCTION**

Colour Brindle
60mm Keyblock block paving laid in 90° herringbone pattern.

Colour Charcoal
50mm Sharp sand to BS7533-3 Category II, Annex D.
80mm AC20 Dense Bin 100/150 rec. to BS EN 13108-1:2016.
150mm Type 1 sub-base to SHW1: Clause 803.

Tensar mechanically stabilised layer. Refer to Model Specification MS_ETA-TriAx_MSL.
150mm Type 6F4/6F5 Capping. Max. 75mm part size to SHW1 : Series 600.
1 Layer Tensar Triax Type A-23327-L2 Geogrid.
300mm Type 6F4/6F5 Capping. Max. 75mm part size to SHW1 : Series 600.
1 Layer Tensar Triax Type A-23327-L1 Geogrid.
75mm (Minimum) Blinding layer Type 6H Capping to SHW1 : Series 600.

**F — PERMEABLE BLOCK PAVED PARKING BAY CONSTRUCTION**

60mm Marshalls Priora permeable block paving, colour brindle, laid in 90° herringbone pattern.
50mm 6mm Clean open graded crushed rock.
80mm AC20 Dense Bin 100/150 rec. to BS EN 13108-1:2016 with 100mmØ holes at 750mm centres infilled with 6mm clean open graded crushed rock.
240mm Type 3 open graded crushed rock, no fines to SHW1:Clause 803.
1 Layer Marshalls MM380 tanking membrane or similar agreed with welded joints.

Tensar mechanically stabilised layer. Refer to Model Specification MS_ETA-TriAx_MSL.
150mm Type 6F4/6F5 Capping. Max. 75mm part size to SHW1 : Series 600.
1 Layer Tensar Triax Type A-23327-L2 Geogrid.
300mm Type 6F4/6F5 Capping. Max. 75mm part size to SHW1 : Series 600.
1 Layer Tensar Triax Type A-23327-L1 Geogrid.
75mm (Minimum) Blinding layer Type 6H Capping to SHW1 : Series 600.

**G — BLOCK PAVED FOOTWAY CONSTRUCTION**

Colour Brindle
60mm Keyblock block paving laid in 90° herringbone pattern.

Colour Charcoal
50mm Sharp sand to BS7533-3 Category II, Annex D.
60mm AC20 Dense Bin 100/150 rec. to BS EN 13108-1:2016
100mm Type 1 sub-base to SHW1: Clause 803.

Tensar mechanically stabilised layer. Refer to Model Specification MS_ETA-TriAx_MSL.
150mm Type 6F4/6F5 Capping. Max. 75mm part size to SHW1 : Series 600.
1 Layer Tensar Triax Type A-23327-L2 Geogrid.
300mm Type 6F4/6F5 Capping. Max. 75mm part size to SHW1 : Series 600.
1 Layer Tensar Triax Type A-23327-L1 Geogrid.
75mm (Minimum) Blinding layer Type 6H Capping to SHW1 : Series 600.

**H — PRIVATE PATH / PATIO CONSTRUCTION (FRONT)**

50mm 600mm square concrete paving slab.
25mm Sharp sand to BS 7533-3 Category II of Annex. D.
100mm+ Clean well consolidated crushed rock, hardcore (max 40mm size) slag or concrete. Depth to be increased according to meet capping/geogrid levels extended as a continuous layer back from parking / driveway.

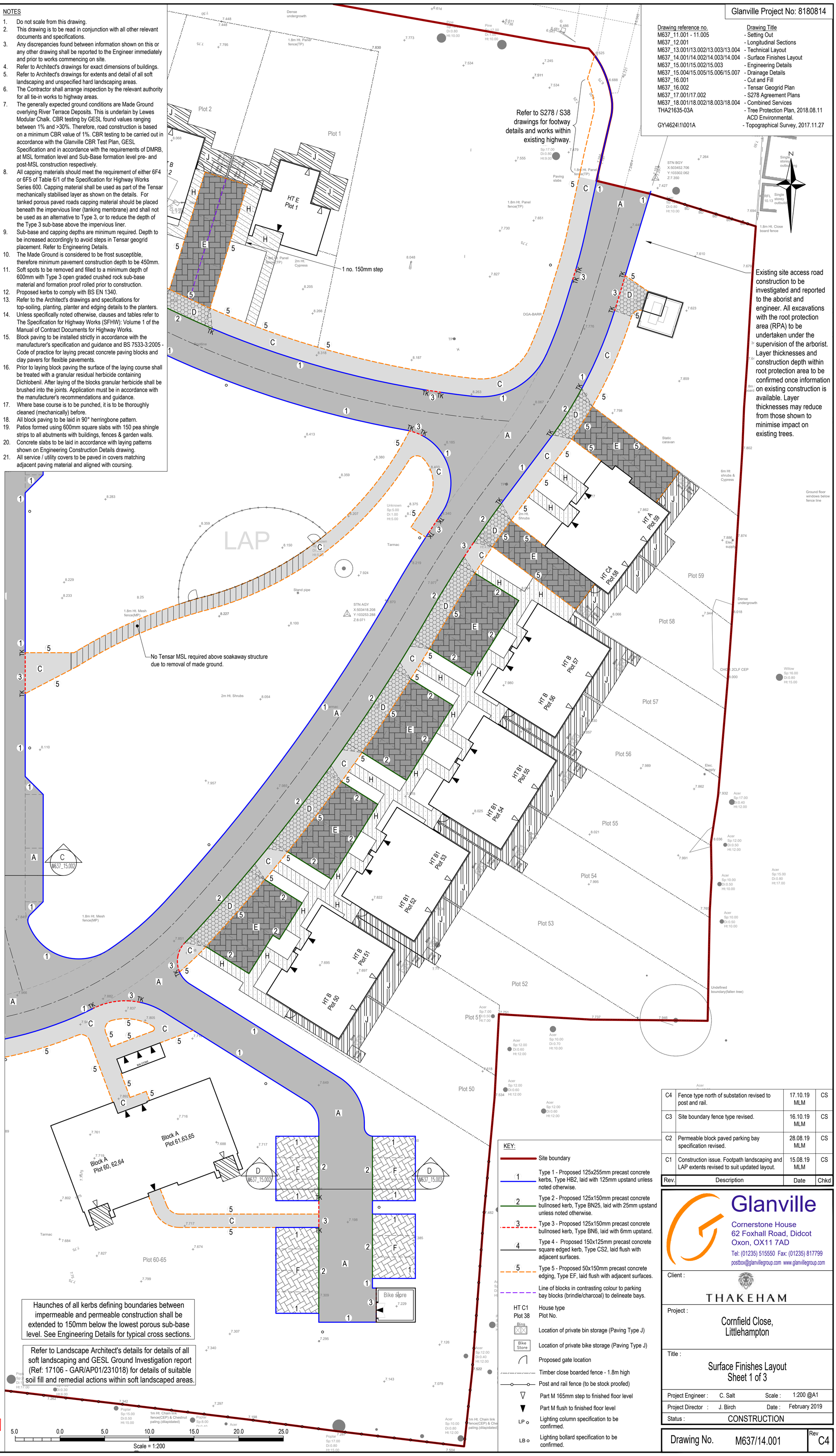
Tensar mechanically stabilised layer. Refer to Model Specification MS_ETA-TriAx_MSL.
150mm Type 6F4/6F5 Capping. Max. 75mm part size to SHW1 : Series 600.
1 Layer Tensar Triax Type A-23327-L2 Geogrid.
300mm Type 6F4/6F5 Capping. Max. 75mm part size to SHW1 : Series 600.
1 Layer Tensar Triax Type A-23327-L1 Geogrid.
75mm (Minimum) Blinding layer Type 6H Capping to SHW1 : Series 600.

**J — PRIVATE PATH / PATIO CONSTRUCTION (FRONT)**

35mm 600mm square concrete paving slab.
25mm Sharp sand to BS 7533-3 Category II of Annex. D.
100mm Clean well consolidated crushed rock, hardcore (max 40mm size) slag or concrete.

Tensar mechanically stabilised layer. Refer to Model Specification MS_ETA-TriAx_MSL.
300mm Type 6F4/6F5 Capping. Max. 75mm part size to SHW1 : Series 600.
1 Layer Tensar Triax Type A-23327-L1 Geogrid.
75mm (Minimum) Blinding layer Type 6H Capping to SHW1 : Series 600.

Boundary position to be determined on site.




KEY:

- Site boundary
- 1 — Type 1 - Proposed 125x255mm precast concrete kerbs, Type HB2, laid with 125mm upstand unless noted otherwise.
- 2 — Type 2 - Proposed 125x150mm precast concrete bullnosed kerb, Type BN25, laid with 25mm upstand unless noted otherwise.
- 3 — Type 3 - Proposed 125x150mm precast concrete bullnosed kerb, Type BN6, laid with 6mm upstand.
- 4 — Type 4 - Proposed 150x125mm precast concrete square edged kerb, Type CS2, laid flush with adjacent surfaces.
- 5 — Type 5 - Proposed 50x150mm precast concrete edging, Type EF, laid flush with adjacent surfaces.
- Line of blocks in contrasting colour to parking bay blocks (brindle/charcoal) to delineate bays.
- HT C1 — House type
- Plot 38 — Plot No.
- Bins — Location of private bin storage (Paving Type J)
- Bike Store — Location of private bike storage (Paving Type J)
- Proposed gate location
- Timber close boarded fence - 1.8m high
- Post and rail fence (to be stock proofed)
- Part M 165mm step to finished floor level
- Part M flush to finished floor level
- LP — Lighting column specification to be confirmed.
- LB — Lighting bollard specification to be confirmed.

| Rev. | Description | Date | Chkd |
|---|---|---|---|
| C4 | Fence type north of substation revised to post and rail. | 17.10.19 MLM | CS |
| C3 | Site boundary fence type revised. | 16.10.19 MLM | CS |
| C2 | Permeable block paved parking bay specification revised. | 28.08.19 MLM | CS |
| C1 | Construction issue. Footpath landscaping and LAP extents revised to suit updated layout. | 15.08.19 MLM | CS |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Client : THAKEHAM

Project : Cornfield Close, Littlehampton

Title : Surface Finishes Layout Sheet 1 of 3

| | | | |
|---|---|---|---|
| Project Engineer : | C. Salt | Scale : | 1:200 @A1 |
| Project Director : | J. Birch | Date : | February 2019 |
| Status : | CONSTRUCTION | | |

Drawing No. M637/14.001 Rev C4

ARUN DISTRICT COUNCIL LU/319/19/DOC