

CAPPING LAYER AND SUB-BASE OPTIONS		
GROUND SUPPORT CBR (%)	CAPPING 6F5 (MM)	TYPE 1 SUB-BASE (MM)
<2	450	250 OR (560 S/BASE ONLY)
2 - 4.9	0	350
5 - 14.9	0	250
15 - 30	0	250

CAPPING SPECIFICATION

1. CAPPING SHALL BE WELL GRADED CRUSHED ROCK, CRUSHED CONCRETE COMPLYING WITH THE FOLLOWING GRADING WHEN TESTED IN ACCORDANCE WITH BS812

BS SIEVE SIZE	% MASS PASSING
150MM	100
100MM	70 - 100
75MM	65 - 85
20MM	25 - 30
5MM	10 - 30
1.18MM	5 - 15

2. THE MATERIAL SHALL HAVE 10% FINES VALUE OF 50KN OR MORE WHEN TESTED IN ACCORDANCE WITH BS 812 EXCEPT THAT SAMPLES SHALL BE SOAKED IN WATER AT ROOM TEMPERATURE FOR 48 HOURS BEFORE TESTING WITHOUT HAVING BEEN OVEN DRIED.

- NOTES:**
- THESE NOTES ARE INTENDED TO AUGMENT DRAWINGS AND SPECIFICATIONS. WHERE CONFLICT OF REQUIREMENTS EXIST THE ORDER OF PRECEDENCE SHALL BE AS SHOWN IN THE SPECIFICATION. OTHERWISE THE STRICTEST PROVISION SHALL GOVERN.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS AND ARCHITECTS DRAWINGS.
 - DRAWINGS NOT TO BE SCALED. ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES TO BE NOTIFIED TO THE ENGINEER AND FURTHER INSTRUCTIONS OBTAINED BEFORE WORK IS COMMENCED.
 - ALL LEVELS ARE AOD (ABOVE ORDNANCE DATUM) UNO.

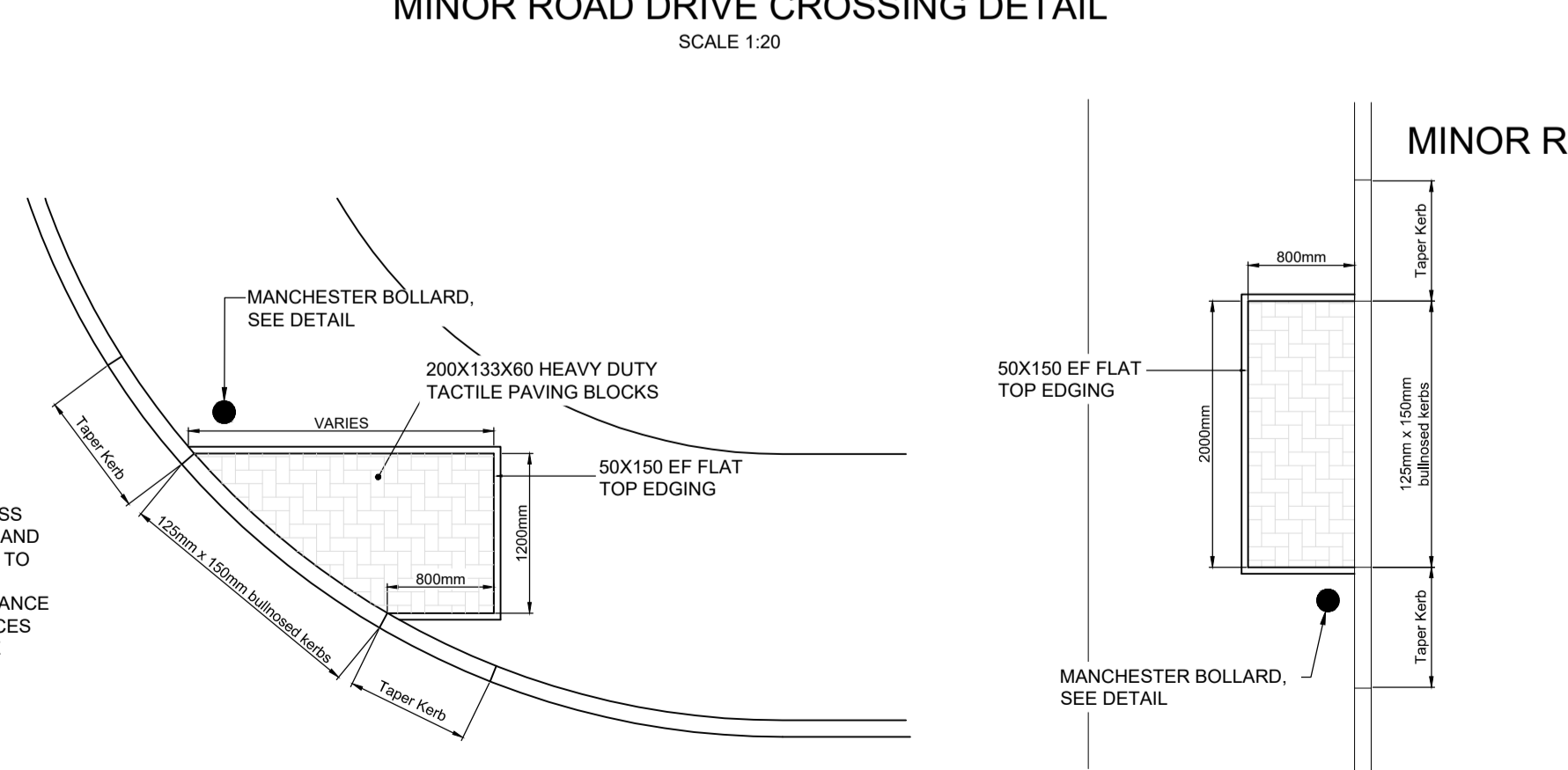
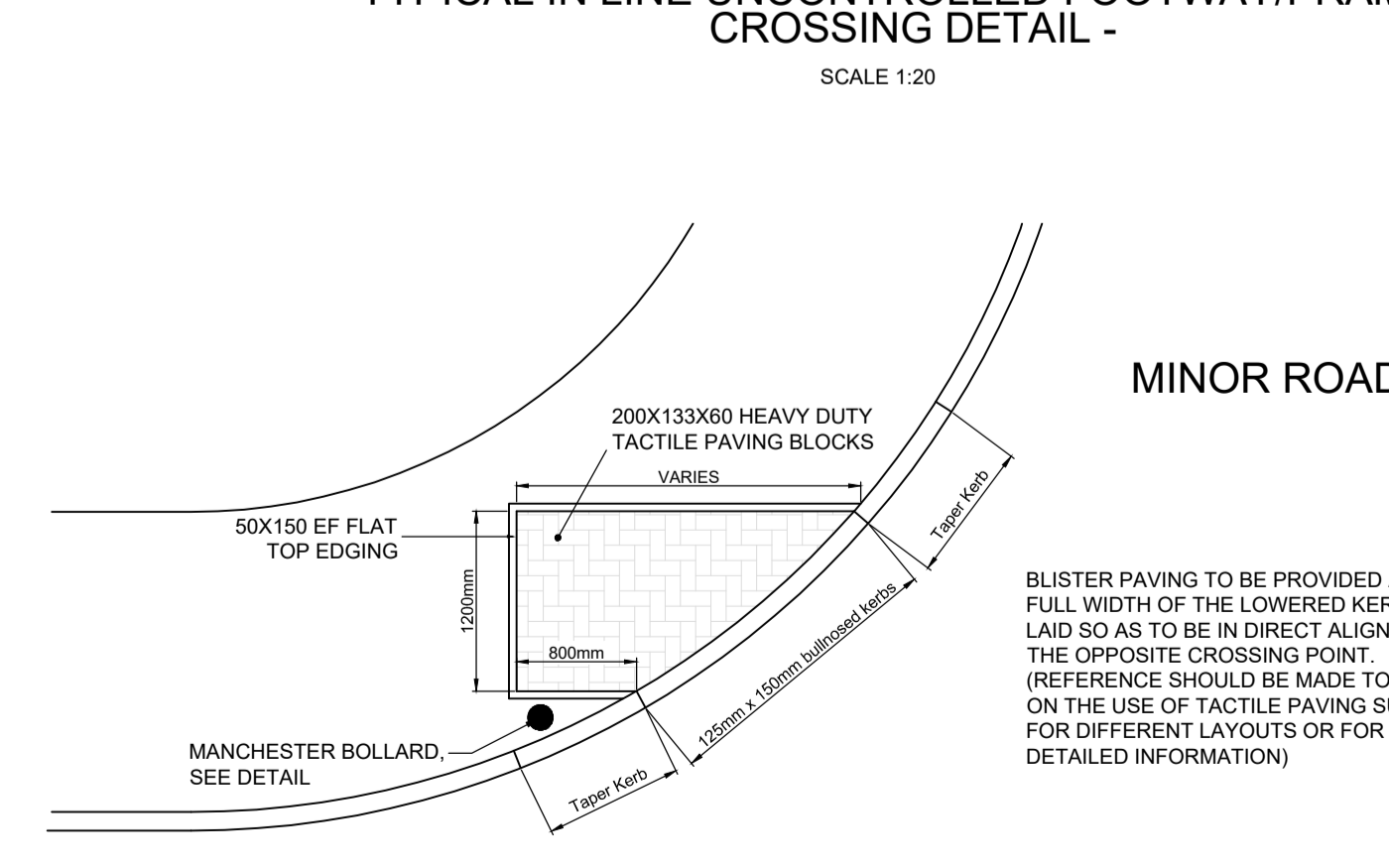
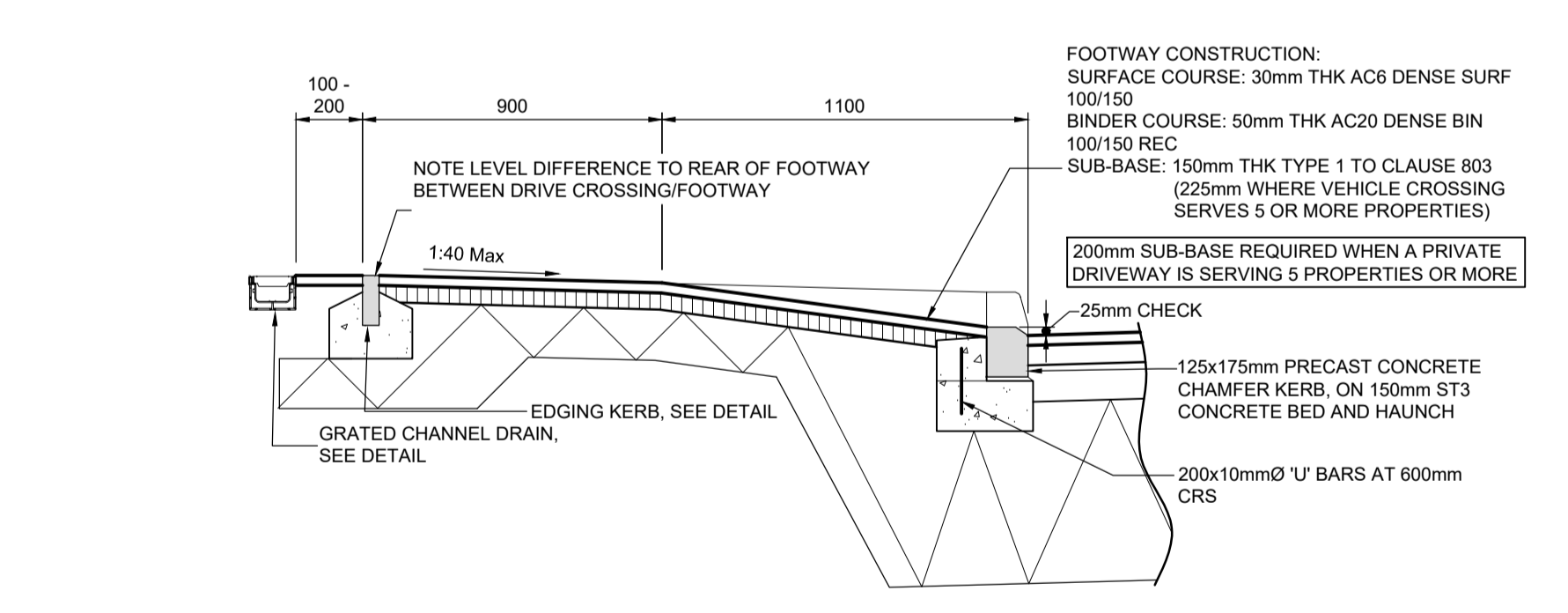
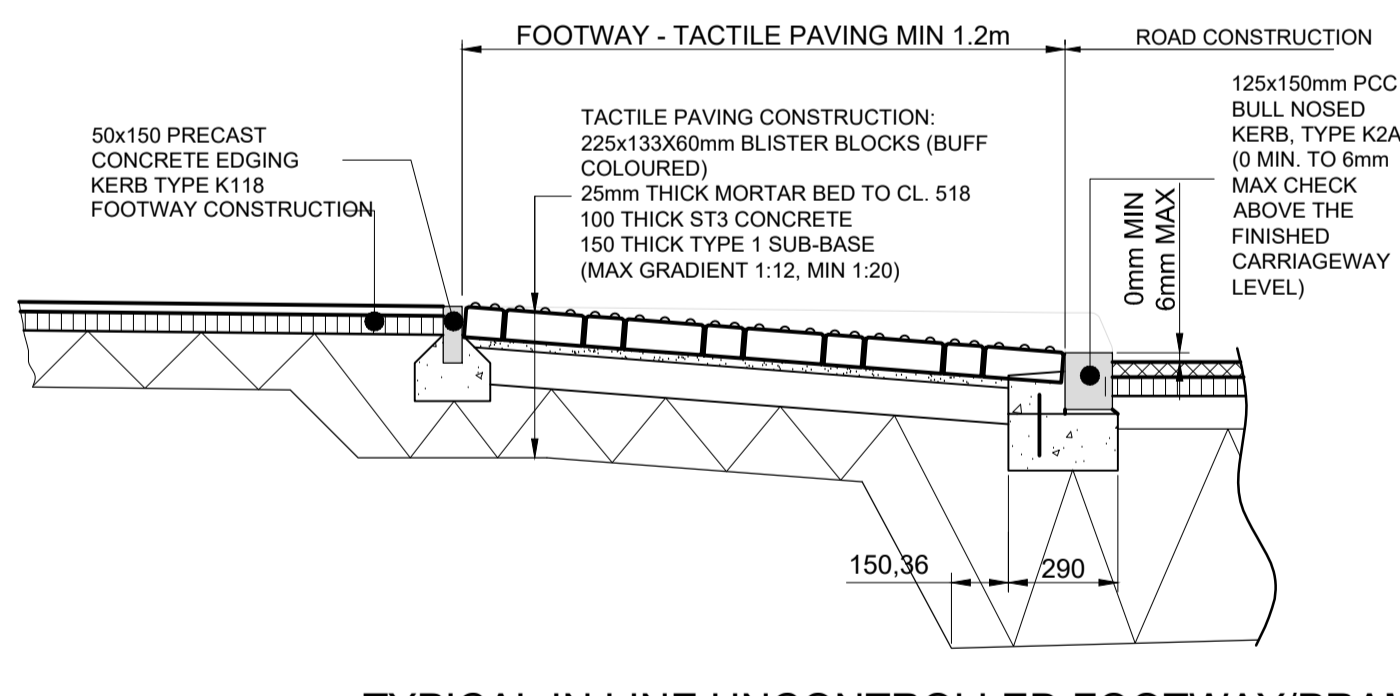
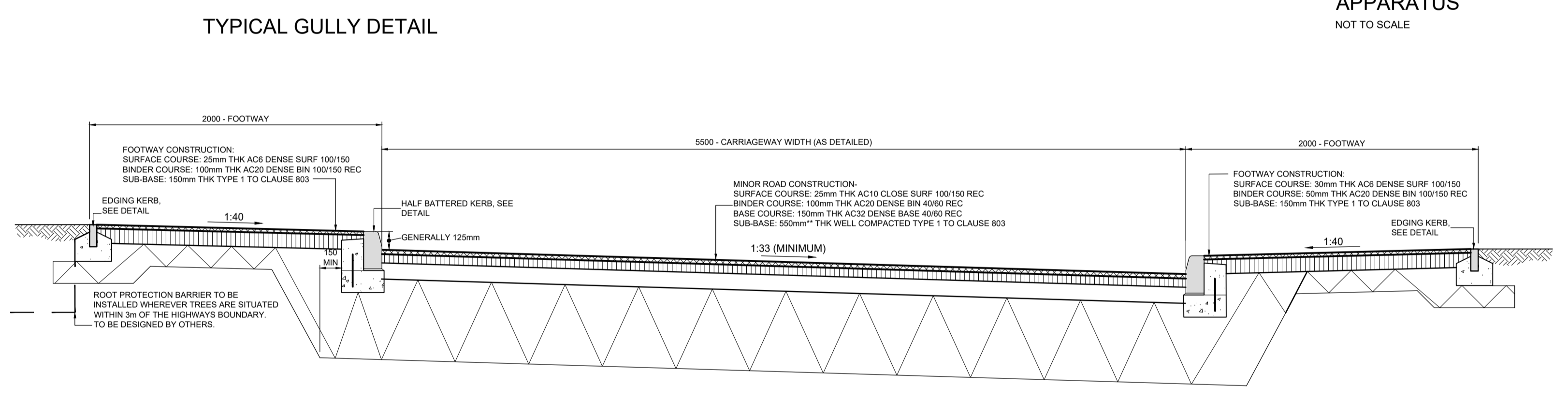
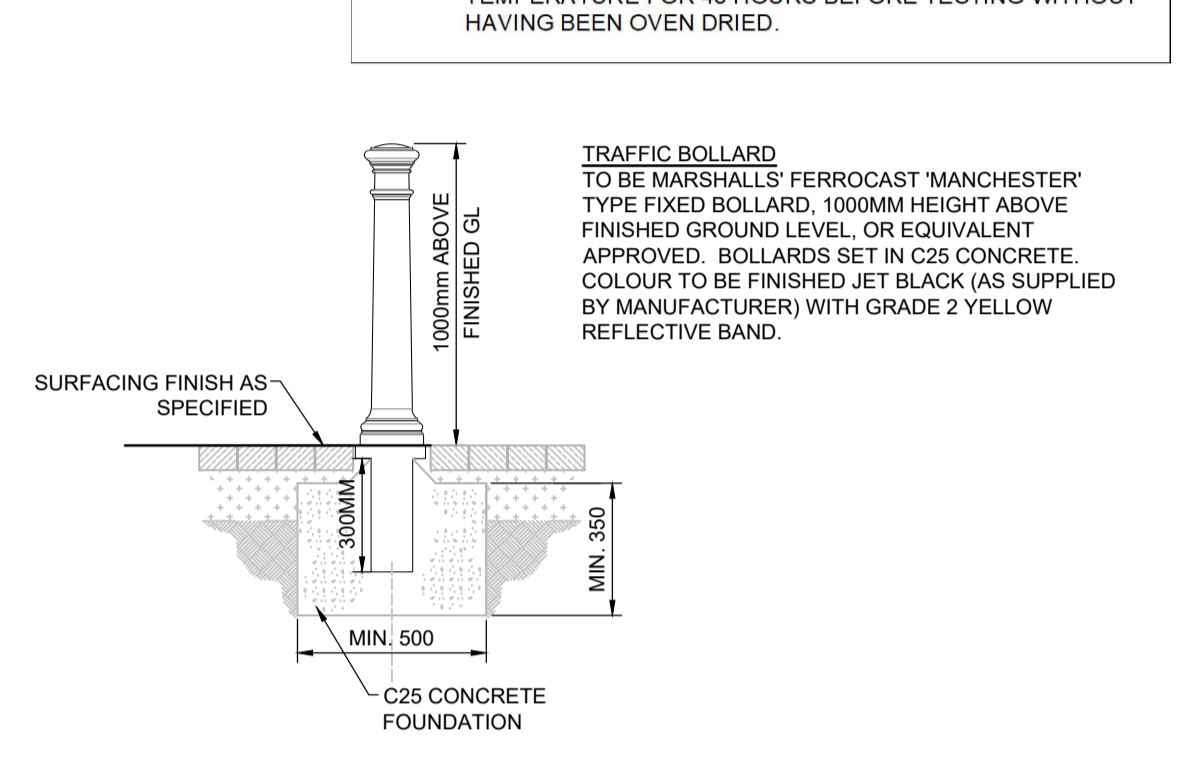
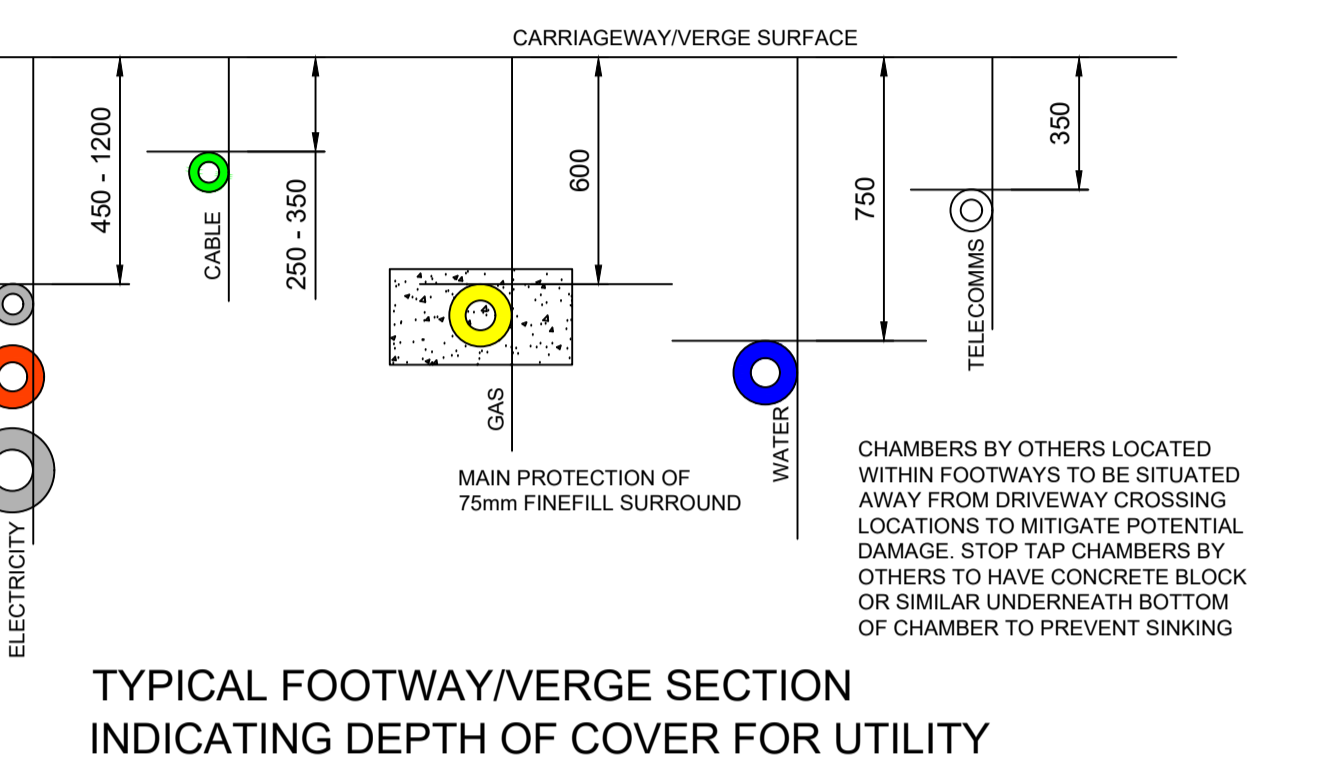
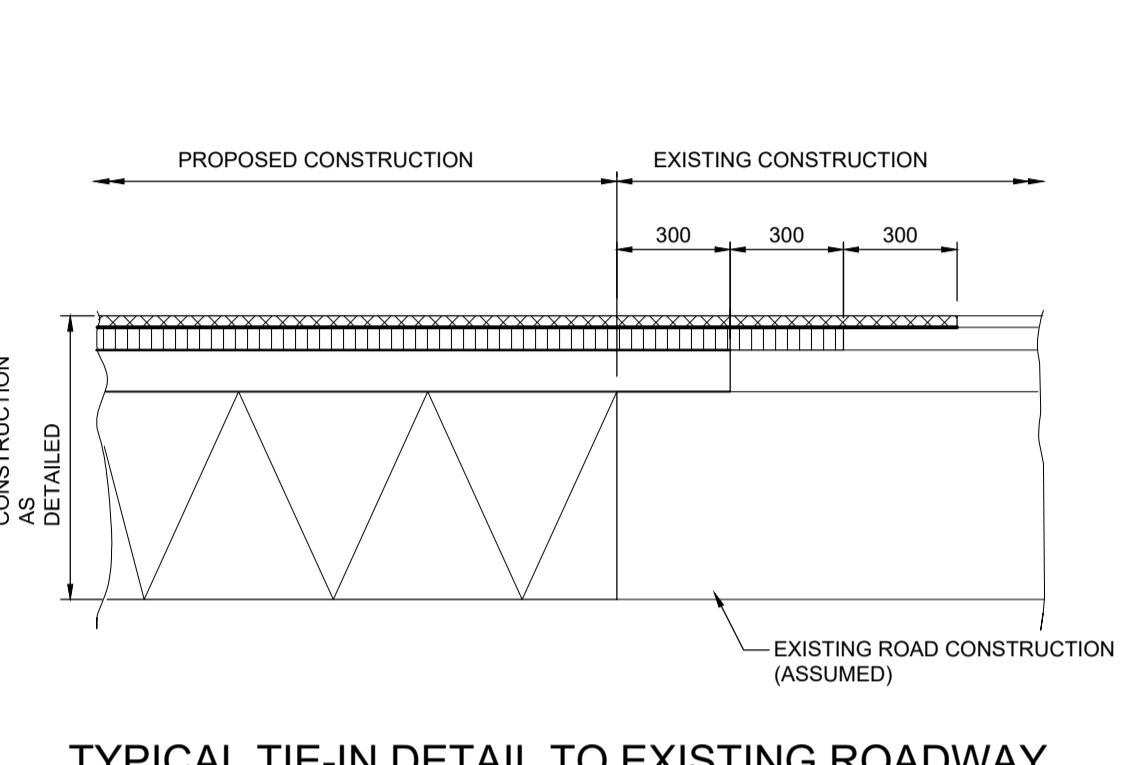
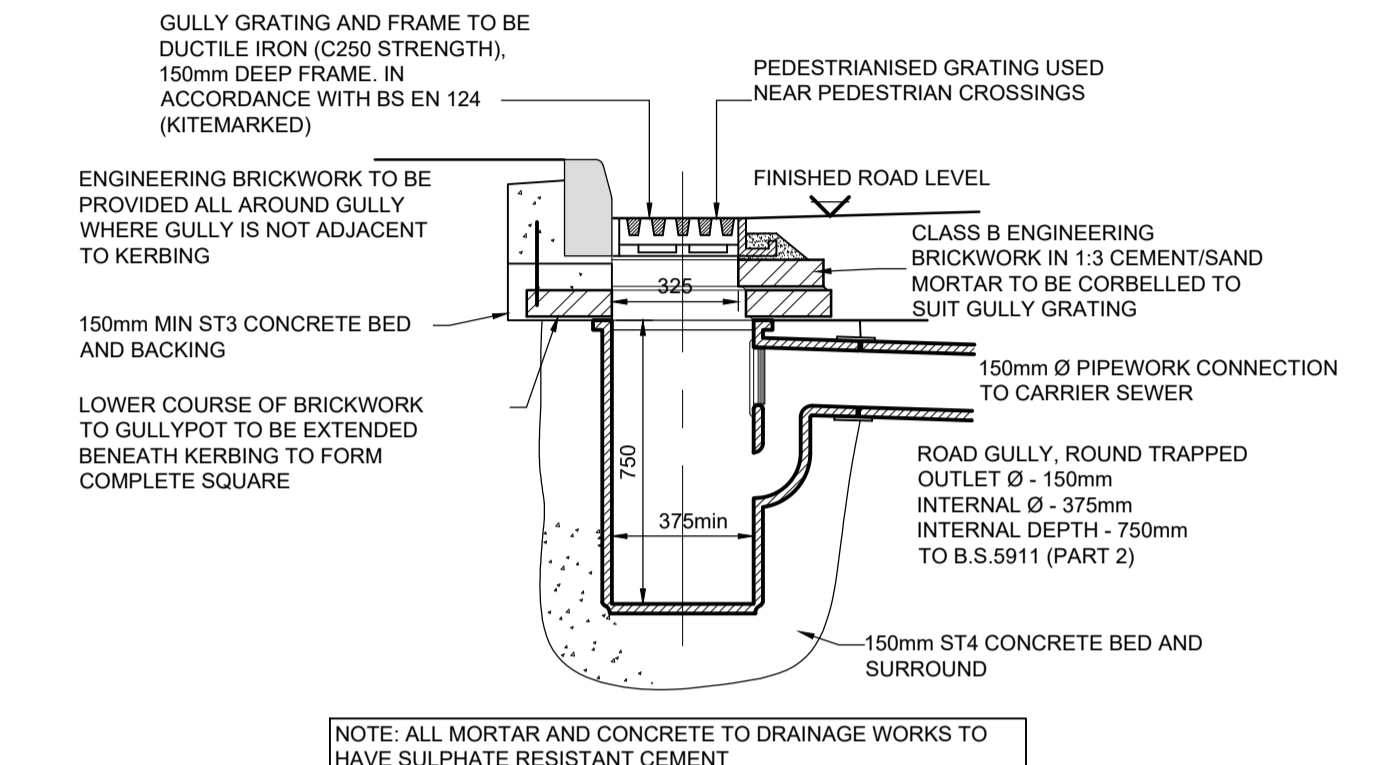
THE INFORMATION ON THIS DRAWING IS FOR APPROVAL PURPOSES ONLY. NO CONSTRUCTION WORKS ARE TO BE UNDERTAKEN UNTIL WRITTEN APPROVAL IS RECEIVED FROM BMBC HIGHWAYS DEPARTMENT.

STREET LIGHTING DESIGN TO BE UNDERTAKEN BY BMBC (DESIGN TBC)

ABBREVIATIONS

BMBC - BARNESLEY METROPOLITAN BOROUGH COUNCIL

- HIGHWAY NOTES**
- R1. LEVELS AT THE IN TO EXISTING ROAD CONSTRUCTION TO BE CONFIRMED. ANY DISCREPANCIES TO BE NOTIFIED TO THE ENGINEER.
- R2. ALL WORKS TO BE IN ACCORDANCE WITH THE LOCAL HIGHWAY AUTHORITY'S CONSTRUCTION GUIDE.
- R3. THE WORKS WILL BE ADOPTED BY THE HIGHWAY AUTHORITY. THE CONTRACTOR MUST THEREFORE ENSURE THAT THE WHOLE WORKS COMPLY BOTH WITH THE SPECIFICATION AND THE DRAWINGS WHICH ARE SUBJECT TO INSPECTION AND APPROVAL BY THE RELEVANT AUTHORITY.
- R4. IF ANY DISCREPANCIES EXIST BETWEEN THE SPECIFICATION AND THE DRAWINGS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- R5. WHERE REQUIRED BY THE LOCAL HIGHWAY AUTHORITY, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE AUTHORITY PRIOR TO COMMENCEMENT OF EACH STAGE OF THE WORK FOR THEIR REPRESENTATIVE TO CARRY OUT INSPECTION TO ENSURE COMPLIANCE WITH THEIR SPECIFICATION AND APPROVED DETAILS. IF ANY SUCH REQUESTS OR INSTRUCTIONS CAUSE CONFLICT WITH THE SPECIFICATION THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
- R6. ALL HIGHWAY DRAINAGE CONNECTIONS/CARRIERS BENEATH CARRIAGEWAY/FOOTWAY OR AREAS OF VERGE POTENTIALLY LIABLE TO TRAFFIC (I.E. AT OR NEAR CARRIAGEWAY LEVEL), TO HAVE 150mm THICK CONCRETE BED AND SURROUND.
- R7. WHERE SEWERS UNDER ROADS HAVE LESS THAN 1.2m OF COVER A 150mm (S2) CONCRETE BED AND SURROUND TO BE PROVIDED.
- R8. CLAUSES SHOWN ON THE DRAWING REFER TO CLAUSES IN THE UK GOVERNMENT'S MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS, VOLUME 1 SPECIFICATION OF HIGHWAY WORKS.
- R9. CONCRETE CHANNEL BLOCKS 150x125mm ARE REQUIRED ON MAJOR AND MINOR ACCESS ROADS WHEREVER THE CHANNEL GRADIENTS ARE FLATTER THAN 1% (1 IN 100). CHANNEL BLOCKS SHALL EXTEND FOR THE COMPLETE LENGTH BETWEEN GULLIES ON SECTIONS WHERE THE 1% CRITERIA CANNOT BE ACHIEVED. THE FLATTEST PERMISSIBLE CHANNEL GRADIENT IS 0.67% (1 IN 150).
- R10. ALL HIGHWAY DRAINAGE CONNECTIONS/CARRIERS BENEATH CARRIAGEWAY/FOOTWAY OR AREAS OF VERGE POTENTIALLY LIABLE TO TRAFFIC (I.E. AT OR NEAR CARRIAGEWAY LEVEL), TO HAVE 150mm THICK CONCRETE BED AND SURROUND.
- R11. KERB AND CHANNEL JOINTS TO BE STAGGERED A MINIMUM OF 100mm.
- R12. ALL BLOCKS MUST BE CUT USING A STONE CUTTER TO ACHIEVE A VERTICAL FACE, NOT A BLOCK SPLITTER.



JOB NO: 47480 - SECTION 38 - DRAWING REFERENCE TABLE

This Drawing to be Read in Conjunction with the Drawings Listed Below

Alan Wood & Partners	Drawing Reference
S38 Site Location Plan	MDL - AWP - ZZ - XX - DR - C - 4100
S38 General Arrangement	MDL - AWP - ZZ - XX - DR - C - 4101
S38 Surface Water Gully Impermeable Area Plan	MDL - AWP - ZZ - XX - DR - C - 4105
S38 Legal Plan	MDL - AWP - ZZ - XX - DR - C - 4110
S38 Surfacing Plans	MDL - AWP - ZZ - XX - DR - C - 4120
S38 Kerbing Plans	MDL - AWP - ZZ - XX - DR - C - 4130
S38 Proposed Levels	MDL - AWP - ZZ - XX - DR - C - 4140
S38 Proposed Longsections	MDL - AWP - ZZ - XX - DR - C - 4150
S38 Highway Construction Details	MDL - AWP - ZZ - XX - DR - C - 4155
S38 Vehicle Tracking and Visibility Splays	MDL - AWP - ZZ - XX - DR - C - 4180 to 4181
Drawings by others	Date Received
Site Layout	21.01.2026 (Rev D)
Topographic Survey	25.10.2024 (06_220693_01)

Alan Wood & Partners

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Project: **PROPOSED DEVELOPMENT AT LAND OFF WAREMILL GARDENS, PENISTONE**

Client: **MULGRAVE PROPERTY GROUP LTD**

Drawing: **SECTION 38 - HIGHWAY CONSTRUCTION DETAILS**

Role: **CIVIL ENGINEER**

Drawing Status: **FOR REVIEW**

Job no. **47480** Scale@ A1: **AS NOTED** Subtality Code: **S4** Rev. **P1**

Project Originator Zone Level Type Role Number
MDL - AWP - ZZ - XX - DR - C - 4155