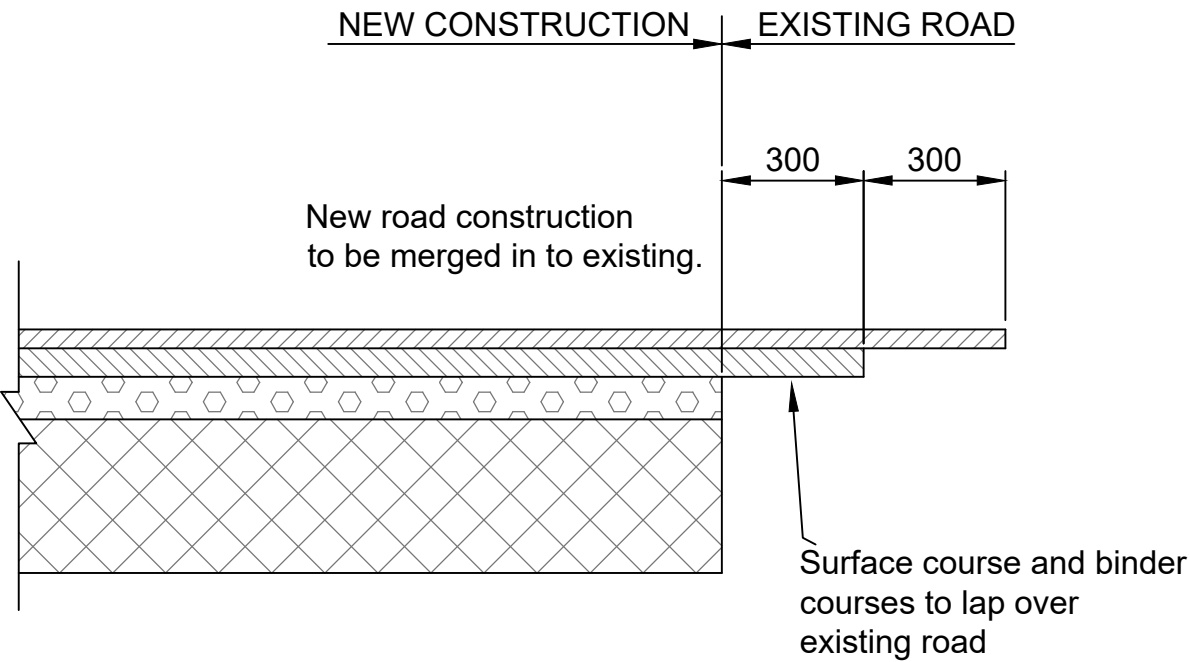
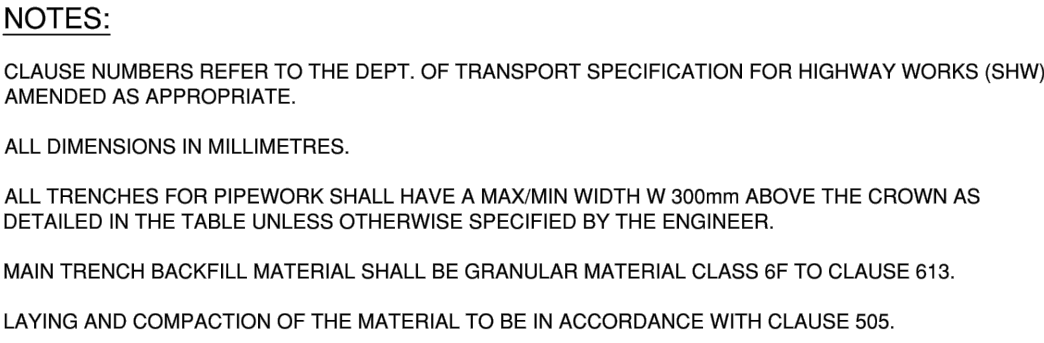
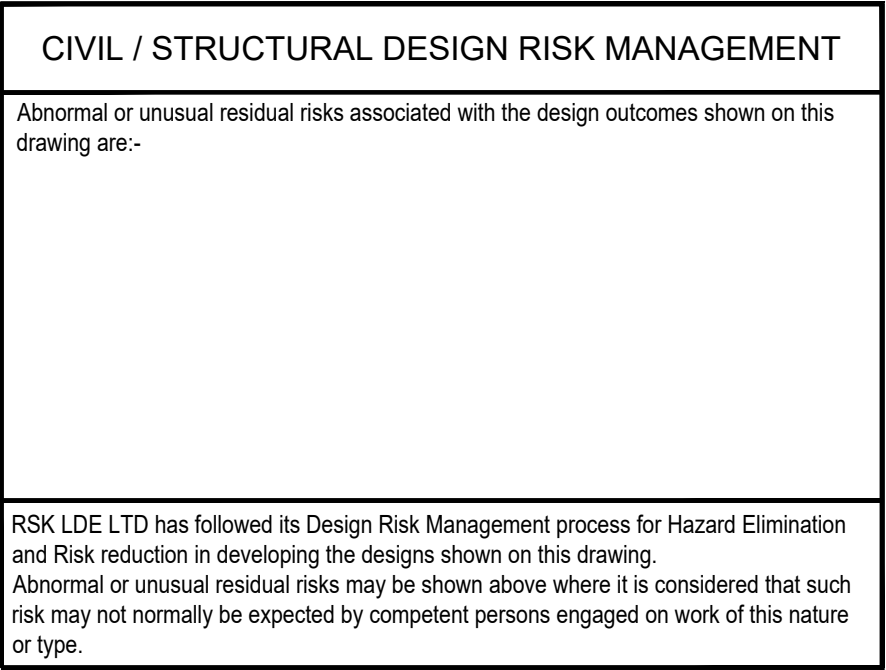
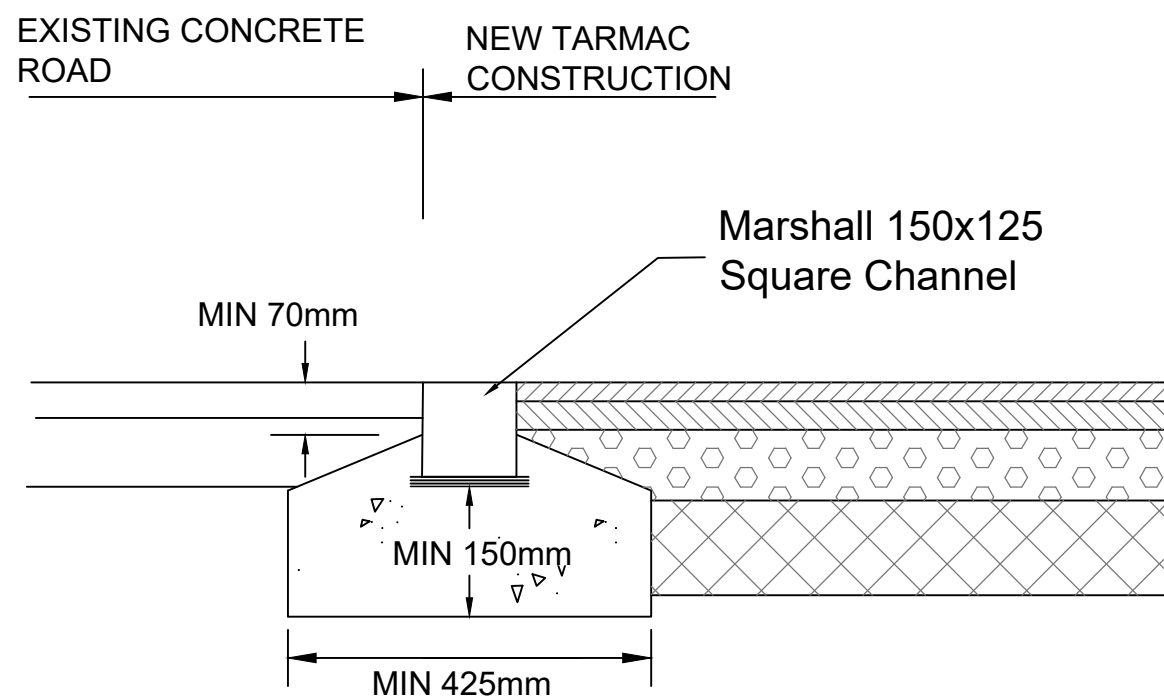
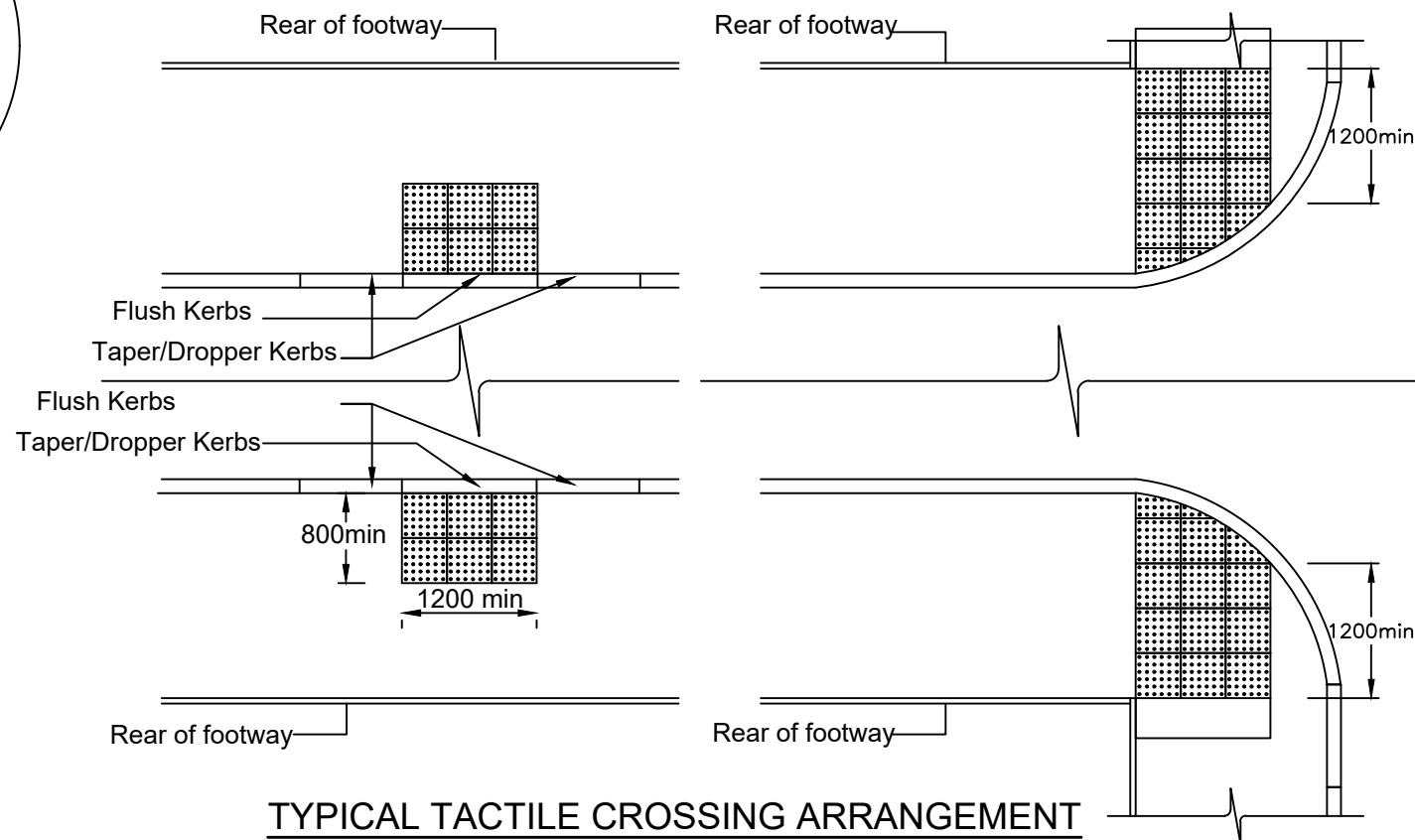
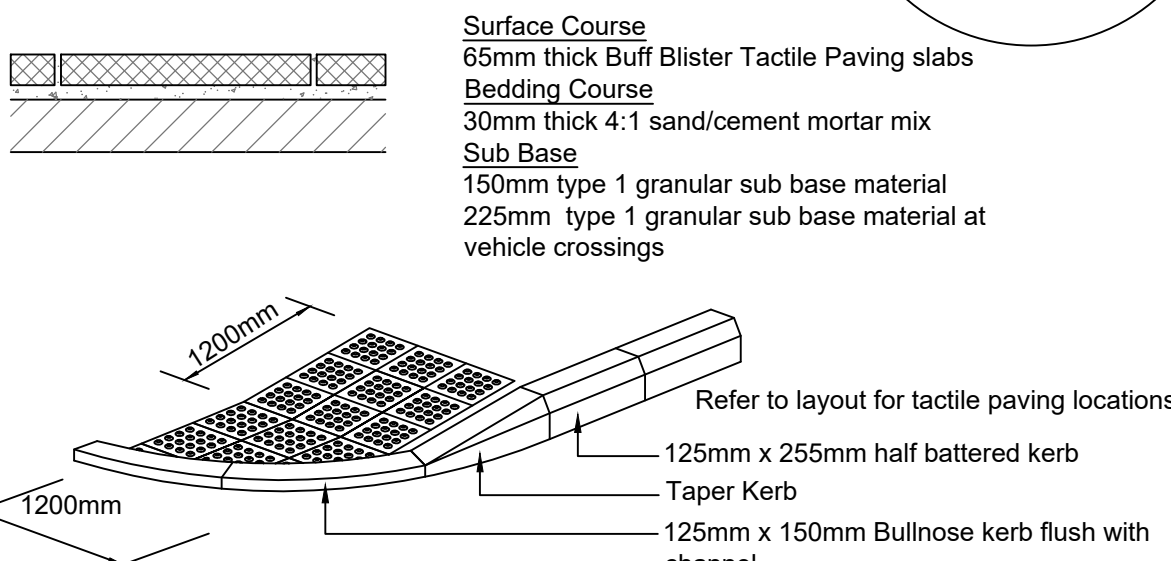
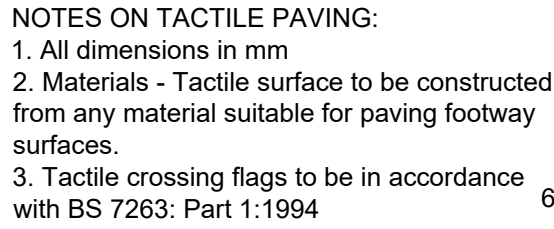




Notes: The Table is based upon Figure 3.1 of the Design Manual for Roads and Bridges - Volume 7 Section 2 - Part 2 and is for guidance purposes only. CBR tests will be required on top of the sub base layer and a minimum value of 30% must be achieved at each test location. Kerb face normally 125mm Gully Grate and Frame to be set 6-mm below adjacent carriageway. Overbreak in excavation for gully to be backfilled with concrete grade ST4 All Concrete bed and backing to comply with BS:8500 and BE EN 206-1 Kerbs to be hydraulically pressed to BS 340 Street lighting shall be provided in accordance with Manchester City Council's requirements. Formwork to be used for all vertical faces of concrete.

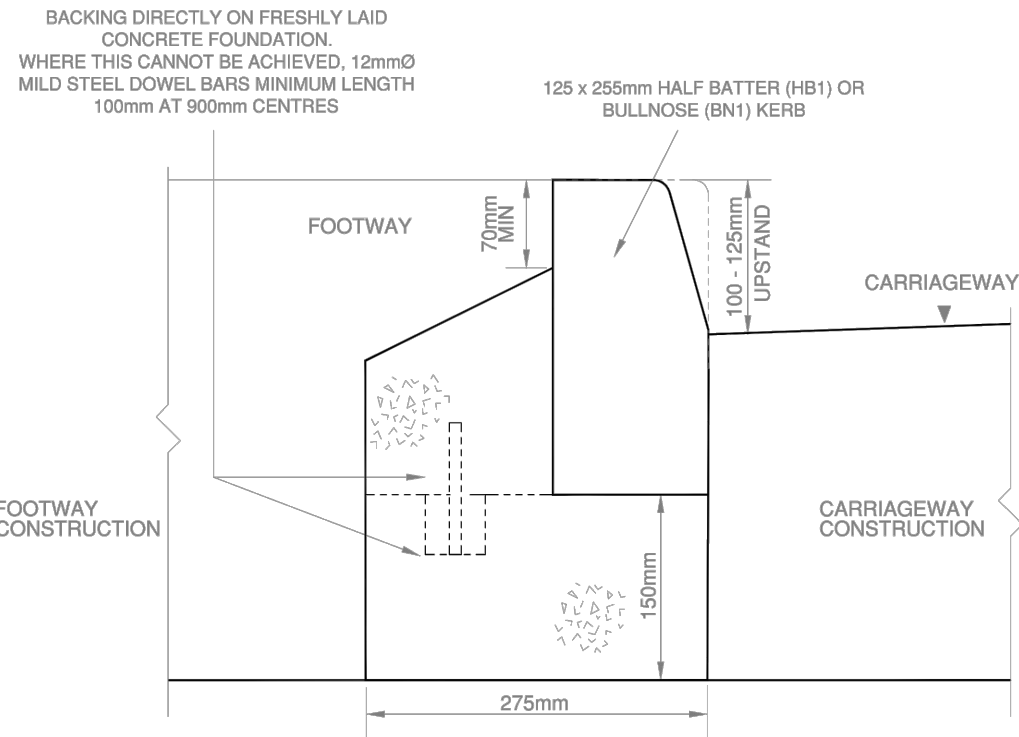


Holly Hey Drive Flush demarcation Kerbs

P4	15.03.23	Revised following comments from MCC 3rd review	AP		
P3	20.01.23	Revised following comments from MCC	AP		
P2	06.10.22	Revised following comments from MCC 1st review	AP		
P1	03.05.22	First Issue	AP	MAR	
Rev.	Date	Amendment	Drawn	Chkd.	Appd.

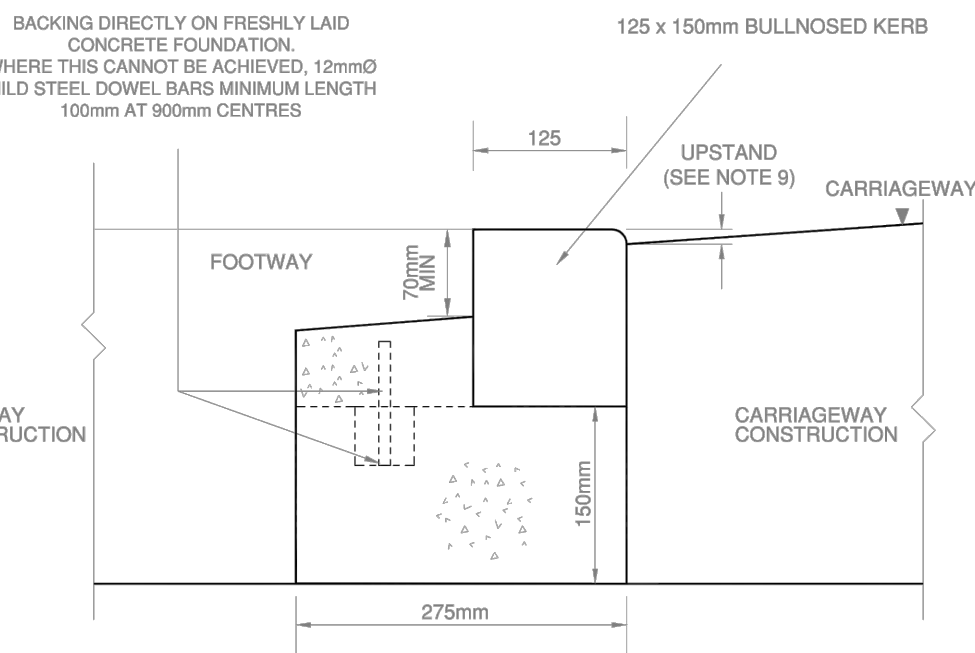
NOTES:

1. Gully: all to clause 508
 - a. Standard gully pot of 95 litres capacity (450mm Ø)
 - b. Small gully pot to be 50 litres capacity (375mm Ø)
2. Maximum trench width for 150mm gully lead IS 600mm
3. Clause numbers refer to dept. of transport specification for highway works amended as appropriate
4. Number of bends may vary due to site differences
5. Concrete to comply with clause 2602 table 26/1
6. Concrete surround to pipes shall always finish at a joint
7. Gully gratings - standard detail D47



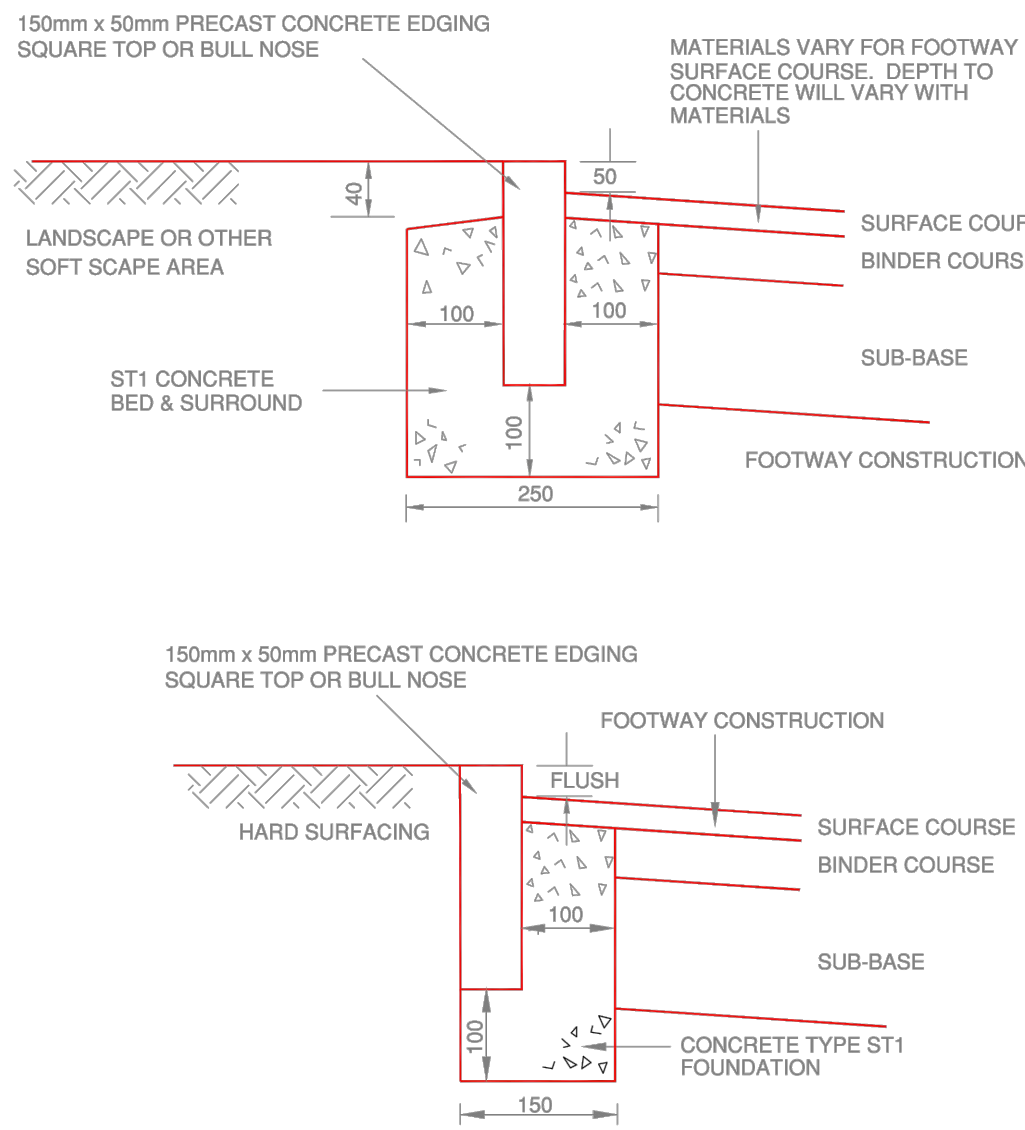
NOTES:

1. CONCRETE BEDDING AND BACKING SHALL BE TYPE ST1 TO CLAUSE 2602 TABLE 26 / 1
2. KERBS SHALL COMPLY WITH BS EN 1340: 2003
3. CEMENT SHALL BE ORDINARY PORTLAND CEMENT TO BS EN 197-1
4. JOINTS TO KERBS SHALL BE POINTED WITH CLASS (iii) MORTAR TO CLAUSE 2404
5. CUT LENGTHS OF KERB ARE TO BE CUT USING A DISC CUTTER MIN. LENGTH 450mm
6. IN THE CASE OF NEW CARRIAGEWAY CONSTRUCTION THE SUB-BASE LAYER IS EXTENDED 300mm BEHIND THE BACK OF KERB FOUNDATION THE CONTRACTOR SHALL ALLOW FOR FILLING IN BETWEEN THE ROAD SUB-BASE AND THE FOOTWAY FORMATION WITH SUB BASE MATERIAL. IN THE RATE FOR KERBING
7. RECONSTRUCTION OF EXISTING CARRIAGEWAY CHANNEL MEASURED SEPARATELY
8. KERBS LAID IN EXISTING CARRIAGEWAY FORMATION - INFILL OF OVERBREAK IN FRONT OF KERB WITH CONCRETE TYPE ST2 TO BINDER COURSE FINISH LEVEL AND RESURFACED CHANNEL STRIP 300mm WIDE AS REQUIRED



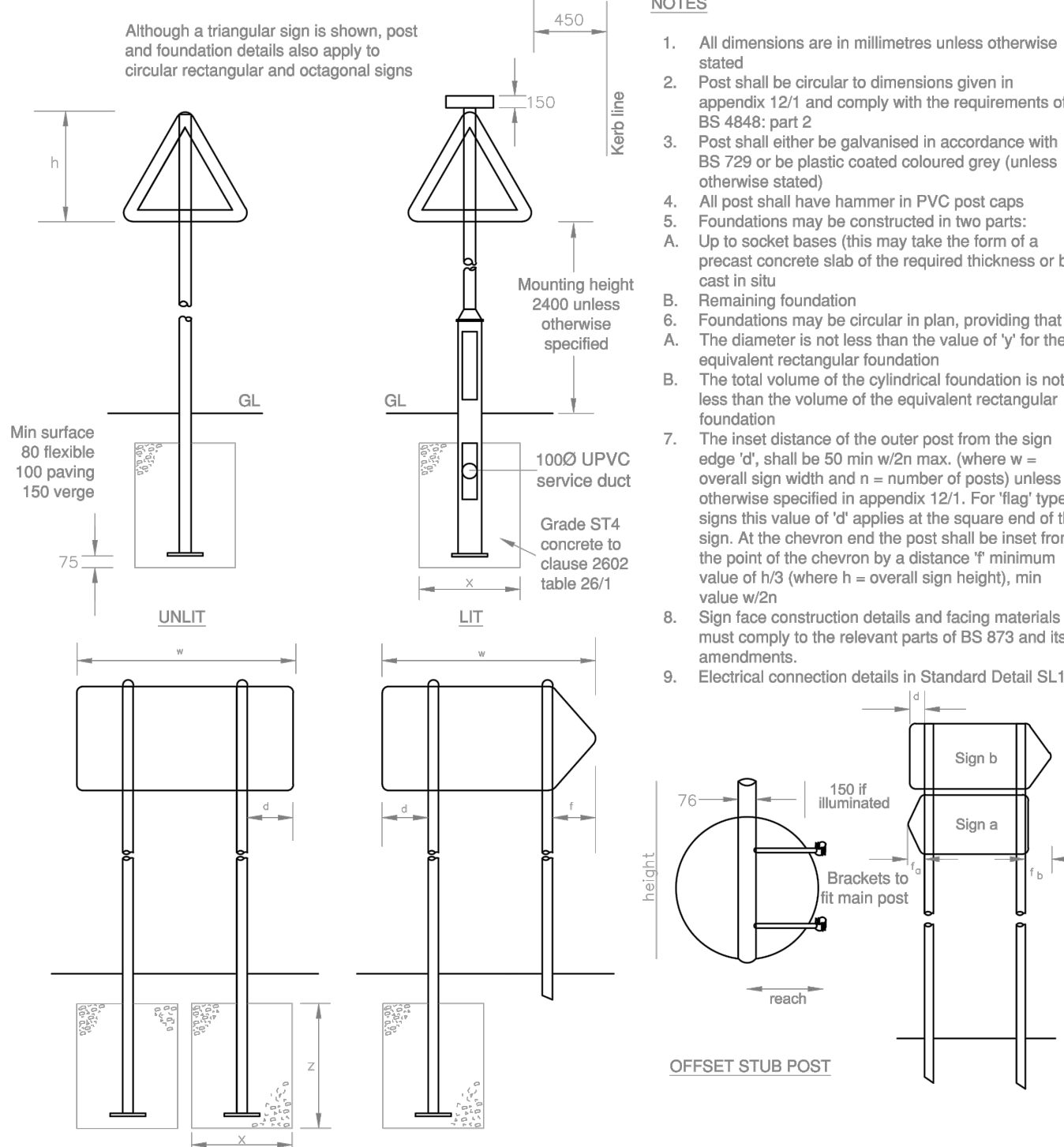
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7. RECONSTRUCTION OF EXISTING CARRIAGEWAY CHANNEL MEASURED SEPARATELY
8. KERBS LAID IN EXISTING CARRIAGEWAY FORMATION - IN/FILL OF OVERBREAK IN FRONT OF KERB WITH CONCRETE TYPE ST2 TO BINDER COURSE FINISH LEVEL AND RESURFACE CHANNEL STRIP 300mm WIDE AS REQUIRED
9. KERB UPSTAND TO BE (i) MAX. 6mm For PEDESTRIAN CYCLEWAY CROSSING AND (ii) 25mm MAX. FOR VEHICULAR CROSSINGS



NOTES:

1. CLAUSES QUOTED REFER TO THE DEPARTMENT OF TRANSPORT SPECIFICATION FOR HIGHWAY WORKS, AMENDED AS APPROPRIATE
2. ALL DIMENSIONS IN MILLIMETRES
3. TOP OF EGGING LAID FLUSH WITH FOOTPATH WHERE USED ON A VEHICULAR CROSSING OR AS DETAILED ON THE DRAWING AND/OR IN THE B OF Q.
4. CONCRETE BED AND BACKING TO SPECIFICATION 2602 TABLE 261
5. FOR FOOTPATH DETAILS SEE STANDARD DETAIL P1 OR F9 AND APPENDIX 11/1.
6. WHERE CUTTING IS REQUIRED, THIS SHALL BE DONE USING A DISC CUTTER (ALL HEALTH AND SAFETY REGULATIONS TO BE APPLIED)
7. MINIMUM LENGTH OF CUT EDGING UNITS SHALL BE 450mm.



NOTES

2. All dimensions are in millimetres unless otherwise stated
3. Posts be circular to dimensions given in equivalent 121 and comply with the requirements of BS 4848: part 2
4. Post shall either be galvanised in accordance with BS 729 or be plastic coated coloured grey (unless otherwise stated)
5. All post shall have hammer in PVC post caps
6. Foundations may be constructed in two parts:
 - a) For concrete foundations may take the form of a precast concrete slab of the required thickness to be cast in situ
7. Retaining foundation
 - A. Foundations may be circular in plan, providing that A. The diameter is not less than the value of 'y' for the equivalent rectangular foundation
 - B. The area of the circular foundation is not less than the volume of the equivalent rectangular foundation
8. The distance of the outer post from the sign edge 'd', shall be 50 min w/2r max. (where w = overall sign width and n = number of posts) unless otherwise specified in equivalent 121. For 'flag' type signs the value of 'd' applied to the square end post. At the chevron end the post shall be inset from the point of the chevron by a distance T minimum value (where T = overall sign height), min value w/2r
9. Sign face construction details and facing materials must comply to the relevant parts of BS 573 and its amendments
10. Electrical connection details in Standard Detail SL 10

Foundation Type	A	B	C	D	E	F	G	H	J	K
Width x	600	600	600	600	1000	1000	1000	1000	1000	1200
Length y	600	800	1000	1200	1200	1400	1600	1800	2000	2000
Depth z	600	600	600	600	1000	1000	1000	1000	1000	1000

TABLE 1: STANDARD FOUNDATION SIZES



LAND & DEVELOPMENT ENGINEERING LTD

Spring Lodge
172 Chester Road
Helsby
Cheshire, WA6 0AR
United Kingdom

Tel: +44 (0) 1928 726006
Fax: +44 (0) 1928 725633
Email: ldc@rsk.co.uk
Web: www.rsk.co.uk

Client

The logo for Miller Homes, featuring the word "miller" in a dark blue, lowercase, sans-serif font, and the word "homes" in a lighter blue, lowercase, sans-serif font. A small, stylized blue and white icon is positioned above the "i" in "miller".

Project Title

Northenden
Manchester

Status

INFORMATION

Drawing Title

S278 Road and Drainage Construction Details

Drawn AP	Date MAY'22	Checked	Date	Approved	Date
Scale NTS	Orig Size A1		Dimensions		
Project No. 882187			Drawing File		
Drawing No. 41-07					Rev. P4