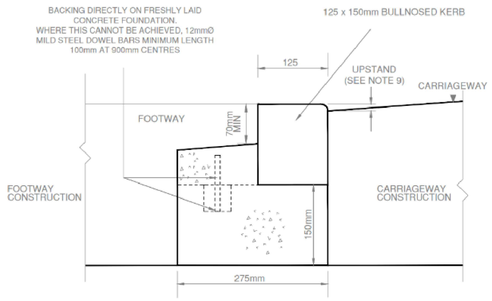
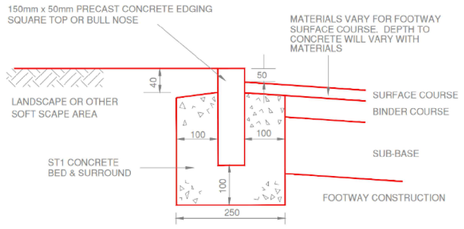
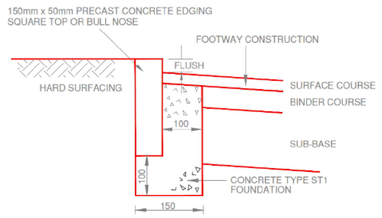


NOTES:

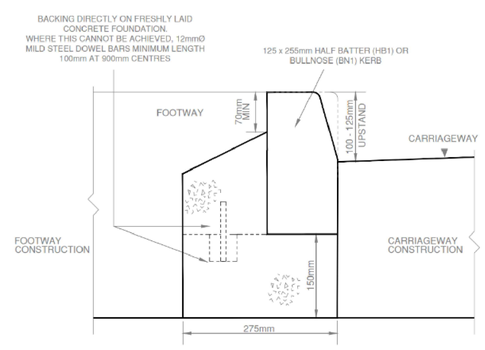
1. CONCRETE BEDDING AND BACKING SHALL BE TYPE ST1 TO CLAUSE 2602 TABLE 26 / 1
2. KERBS SHALL COMPLY WITH BS EN 1340: 2003
3. CEMENT SHALL BE ORDINARY PORTLAND CEMENT TO BS EN 197-1
4. JOINTS TO KERBS SHALL BE POINTED WITH CLASS (iii) MORTAR TO CLAUSE 2404
5. CUT LENGTHS OF KERB ARE TO BE CUT USING A DISC CUTTER MIN. LENGTH 450mm
6. IN THE CASE OF NEW CARRIAGEWAY CONSTRUCTION THE SUB-BASE LAYER IS EXTENDED 300mm BEYOND 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 SEPERATELY
8. KERBS LAID IN EXISTING CARRIAGEWAY FORMATION - INFILL 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 CORSSINGS





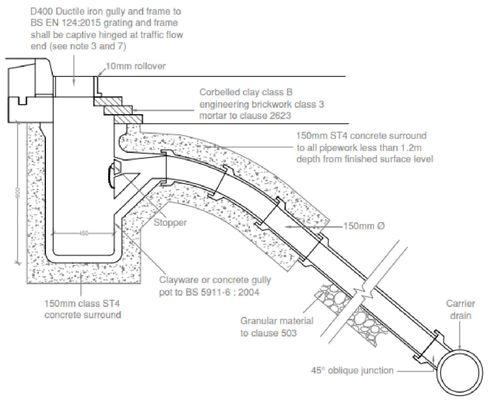
NOTES:

1. CLAUSES QUOTED REFER TO THE DEPARTMENT OF TRANSPORT SPECIFICATION FOR HIGHWAY WORKS, AMENDED AS APPROPRIATE
2. ALL DIMENSIONS IN MILLIMETRES
3. TOP OF EDGING 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 CLAUSE 2602 TABLE 26/1
5. FOR FOOTWAY DETAILS SEE STANDARD DETAIL F1 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:

1. CONCRETE BEDDING AND BACKING SHALL BE TYPE ST1 TO CLAUSE 2602 TABLE 26 / 1
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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

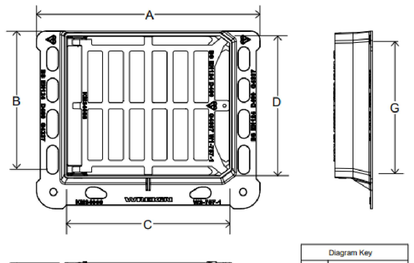
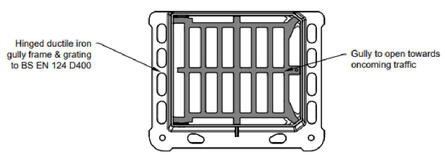


Diagram Key	
A x B	Overall Frame Size
C x D	Clear Area
F x G	Base Opening
E	Frame Height

CLEAR BASE OPENING (F x G mm)	OVER FRAME SIZE (A x B mm)	FRAME DEPTH (mm)	CLEAR AREA (C x D mm)	WATERWAY AREA
450 x 400	595 x 475	100	430 x 370	1050
450 x 400	595 x 475	150	430 x 370	1050



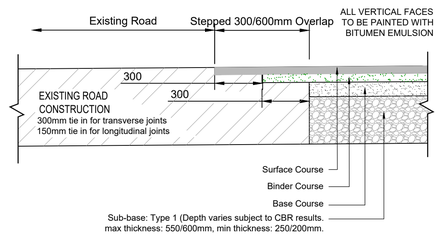
Hinged gully frame & grating
Plan view

	Sub base on Capping			Sub base only
CBR Value Mpa/%	Capping Layer 6F2/6F5 (Cls 613) mm	Unbound Sub base Type 1 (Cls 803) mm	Total Thickness mm	Unbound Sub base Type 1 (Cls 803) mm
30/2.5	420	250	670	420
35/3	380	230	610	360
40/4	340	220	560	330
50/5	250	200	450	270
55/6	240	180	420	260
60/7	230	170	400	250
65/8	220	160	380	240
70/9	210	150	360	230
75/10	200	150	350	220
80/11	190	150	340	220
85/12	180	150	330	220
90/13	170	150	320	210
95/14	160	150	310	210
100/15	150	150	300	200
-/15+	150	150	300	200

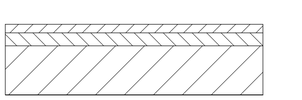
CBR % Values of less than 2.5% the Developer needs to propose remedial actions

Minimum depth of Carriageway construction should be 450mm for frost protection

DMRB CD 225 2020 Figure 3.20
DMRB CD 225 2020 Figure 3.18

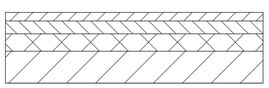


NEW TO OLD CARRIAGEWAY TIE IN DETAILS TYPICAL SECTION (1:20)



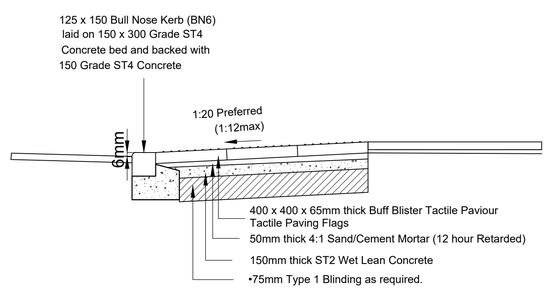
FOOTWAY CONSTRUCTION

SURFACE COURSE	20mm asphalt concrete surface course to MCHW cl. 909 and 914
BINDER COURSE	40mm asphalt concrete binder course to MCHW cl. 906 and 929
SUB-BASE	150mm Type 1 Sub Base to MCHW cl.803.
	Sub-grade protection to be in accordance with MCHW cl. 613 and 616



CARRIAGEWAY CONSTRUCTION

SURFACE COURSE	40mm SMA10 surf 40/60 PSV 65
BINDER COURSE	60mm AC20 dense bin 100/150
BASE	150mm AC32 dense base 100/150
SUB-BASE	Sub base & Capping are subject to CBR testing. For Layer thickness requirements, refer to the CBR Sub Base & Capping Layer Thickness Table. The CBR requirements for each layer are:
	Upon the carriageway Formation the minimum acceptable CBR is 2.5%. Should the CBR be less than 2.5%, ground remediation will be required, this should be discussed and agreed with the MCC highways engineer.
	On 6F2/5 Capping layer to MCHW cl.613 (if used), the minimum acceptable CBR is 30%.
	On Type 1 Sub Base Layer to MCHW cl.803, the minimum acceptable CBR is 15%. The Sub Base and Capping Layers must not be laid in lifts exceeding 150mm thick.
	Nuclear Density Testing or an equivalent is required on top of the road base and road binder layers to ensure adequate compaction and must yield a result of at least ≥93% or ≤7% voids.
	The min thickness of carriageway construction shall be no less than 450mm for purposes of frost protection.



TACTILE PAVING DETAIL

SCALE 1:20

Notes:

1. This drawing is to be read in conjunction with all relevant architect's and engineer's drawings.
2. It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.

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Status

No.	Revision	Date	Drwn

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CHALLENGER BUILDING SERVICES LTD

PROJECT
ALBANY STREET, CHORLTON

DRAWING TITLE
S278 HIGHWAY WORKS
ACCESS JUNCITON WORKS DETAILS

Drawn	Chkd	Date	Scale
JS	AD	JULY 2024	AS SHOWN
Sheet Size	Drawing No.		Revision
A1	23111-DR-C-0853		P4