NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

2. PERMANENT REINSTATEMENT TO BE MEASURED SEPERATELY.

3. GRADE ST4 CONCRETE AS BACKFILL TO TRENCHES TO BE SEMI-DRY MIX COMPACTED. BY MEANS OF A VIBRATING PLATE COMPACTOR/TRENCH RAMMER IN LAYERS NOT GREATER THAN 200mm.

4. SELECTED BACKFILL TO BE COMPACTED BY MEANS OF A VIBRATING PLATE COMPACTOR/TRENCH RAMMER IN LAYERS NOT GREATER THAN 200mm.

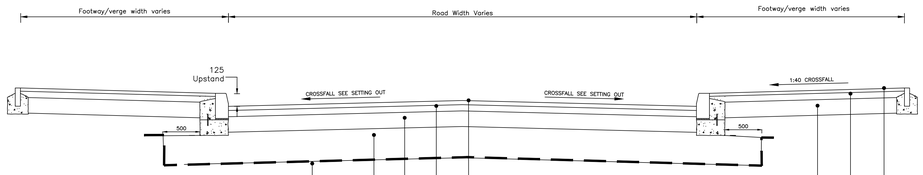
5. THE EDGE OF ALL TRENCHES TO BE SAW CUT, MINIMUM DEPTH OF 40mm.

6. ALL DUCTS TO BE 100mmØ, AND ARE TO BE COMPLETE WITH 6mmØ POLYPROPELENE DRAWROPE SECURED AT BOTH ENDS.

7. THE DUCTING SHALL BE H.D.P.E (5mm WALL THICKNESS) AND SHALL BE CLEARLY MARKED(STREET LIGHTING/TRAFFIC SIGNALS) AS APPROPRIATE; OR FLEXIBLE WITH A RIBBED M.D.P.E.OUTER PROFILE AND A SMOOTH L.D.P.E. INNER BORE.

8. THE DUCTING SHALL CONFORM TO A DENSITY OF 0.9/cm3 DIN53479 WITH A BREAKINGPOINT OF 23-30N/mm2 DIN53455. THE DUCTING SHALL BE COMPATIBLE WITH THE APPROVED ACCESS CHAMBERS PRE-TREPANED KNOCKOUT. WHERE THE DUCTS NEED TO BE JOINED A MANUFACTURER APPROVED CONNECTOR MUST BE USED AND APPROVED BY THE OVERSEEING ORGANISATION.

TYPICAL CARRIAGEWAY CONSTRUCTION DETAIL



FULL DEPTH CARRIAGEWAY CONSTRUCTION-NO LIMESTONE AGGREGATE TO BE USED IN SURFACE COURSES OR ANY SURFACES TO BE TEMPORARILY TRAFFICKED. ALL MATERIALS TO BE LAID AND TRANSPORTED IN ACCORDANCE WITH THE SHW. BITUMINOUS SPRAY TO BE APPLIED IN ACCORDANCE WITH CLAUSE 920 OF THE SHW.

SURFACE: 50MM THICK HRA 35/14 SURF 40/60 DES 20MM PRECOATED CHIPPINGS PSV MIN 60 TO BS EN 13108. MIN PSV OF 68 TO BE APPLIED ON APPROACHES TO ROUNDABOUT AND TRAFFIC SIGNAL STOP LINES.

BINDER: 60MM THICK AC 20 DENSE BIN 40/60 REC TO BS EN 13108.

BASE: 150MM THICK AC32 BASE 40/60 REC TO BS EN 13108.

SUB BASE: MIN 150MM THICK SUB-BASE (SUBJECT TO ON-SITE CBR RESULTS-PLEASE REFER TO TABLE ON D004) IN TYPE 1 GRANULAR MATERIAL; LAID AND COMPACTED TO THE SPECIFICATION FOR HIGHWAY WORKS CLAUSES 701, 801, & 803.

CAPPING: REQUIRED CAPPING DEPTH SUBJECT TO ON-SITE CBR TEST RESULTS; FOR ALL CAPPING DETAILS PLEASE REFER TO THE TABLE PROVIDED ON THE STANDARD DETAILS PLAN AND THE DMRB FOR FURTHER GUIDANCE. CBR TO BE ESTABLISHED ON SITE PRIOR TO STARTING WORKS. CONTRACTOR TO REFER RESULTS TO A REPRESENTATIVE OF THE LOCAL AUTHORITY AND THE DESIGN MANUAL FOR ROADS AND BRIDGES VOLUME 7, SECTION 2, PART 3 CHAPTER 3 FOR FURTHER GUIDANCE ON SUB-BASE CAPPINGRELATIONSHIP APPROPRIATE TERRAM GEOTEXTILE MEMBRANE TO BE LAID BENEATH CAPPING LAYER TO MANUFACTURER'S PROPRIETARY REQUIREMENTS.

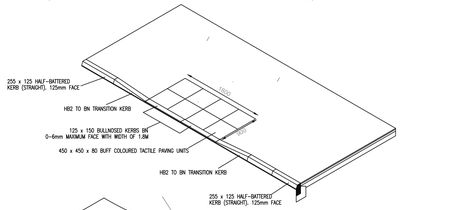
SURFACE COURSE:– 20MM THICK AC6 DENSE SURF 160/220 REC. SUPPLIED AND LAID IN ACCORDANCE WITH THE SHW AND EN13108

BINDER COURSE:–40MM THICK AC 20 DENSE BIN 160/220 REC.SUPPLIED AND LAID IN ACCORDANCE WITH THE SHW AND EN13108,

SUB BASE:– 100MM THICK TYPE 1 GRANULAR SUB BASE 150MM AT VEHICLE CROSSINGS. SUPPLIED AND LAID IN ACCORDANCE WITH THE SHW.

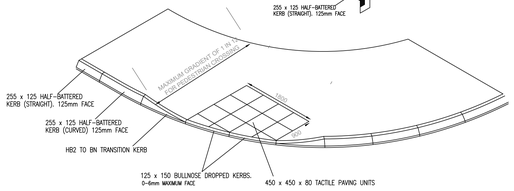
STRAIGHT DROPPED KERB DETAIL

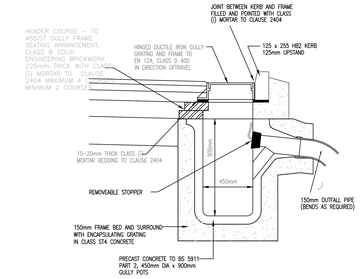
(NOTE : THE ABOVE DETAIL SHOULD BE USED AS A GUIDE FOR GENERAL LAYOUT PURPOSES)



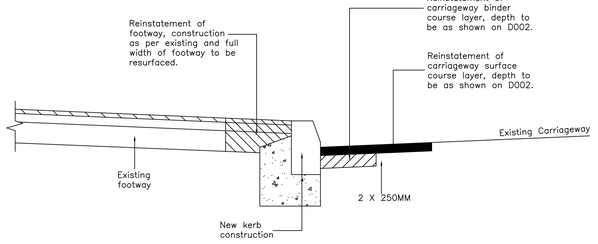
RADIAL DROPPED KERB DETAIL

(NOTE : THE ABOVE DETAIL SHOULD BE USED AS A GUIDE FOR GENERAL LAYOUT PURPOSES)



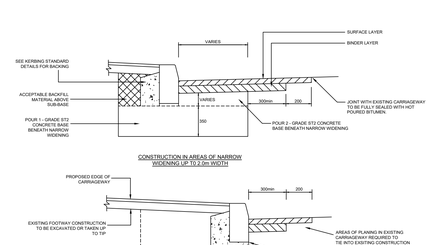


TYPICAL PRECAST CONCRETE GULLY DETAIL

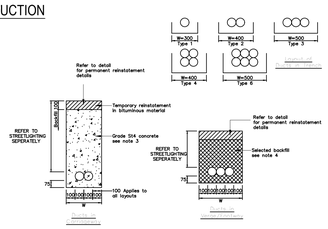


TIE IN CONSTRUCTION

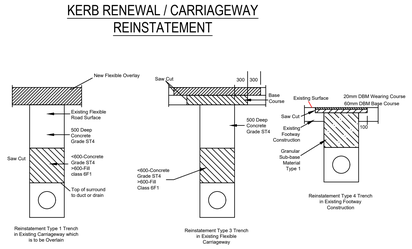
KERB RENEWAL / CARRIAGEWAY REINSTATEMENT



CARRIAGEWAY NARROW WIDENING

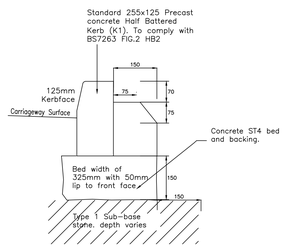


DUCT CROSSING DETAILS-FOR ALL DUCT DETAILS RELATING TO STREETLIGHTING REFER TO LIGHTING DESIGNS SEPARATELY



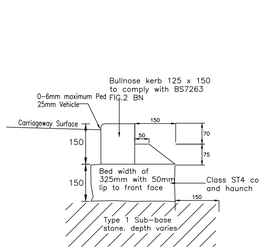
TRENCH REINSTATEMENT

TYPE OF KERB AND THEIR DESIGNATIONS			
TYPE OF KERB	DESIGNATION	FIG Nr.	SIZE
Kerbs:			
Bullnosed	BN	K.1a	125 x 150
45° Splayed	SP	K.1b	125 x 255
Half Battered	HB 1	K.1c	150 x 305
Half Battered	HB 2	K.1d	125 x 255
Half Battered	HB 3	K.1e	125 x 150
Left Hand	TL	K.2a	Transition HB to SP
Right Hand	TR	K.2a	Transition HB to SP
Left Hand	DL1	K.2b	Dropper Type 1 : HB to BN
Right Hand	DR1	K.2b	Dropper Type 1 : HB to BN
Left Hand	DL2	K.2c	Dropper Type 2 : 45° to BN
Right Hand	DR2	K.2c	Dropper Type 2 : 45° to BN
Channels:			
Channel Square	CS1	K.1f	255 x 125
Channel Square	CS2	K.1g	150 x 125
Channel Dished	CD	K.1h	255 x 125
Edgings:			
Round Top Edging	ER	K.3a	50 x 150, 200 or 250
Flat Top Edging	EF	K.3b	50 x 150, 200 or 250
Bullnosed Edging	EBN	K.3c	50 x 150, 200 or 250
Quadrants:			
Quadrant	QBN	K.3d	305 or 455 x 150 or 255
Quadrant	QHB	K.3d	305 or 455 x 150 or 255
Quadrant	QSP	K.3d	305 or 455 x 150 or 255
Angles:			
Internal Angle	IA	K.3e	125 x 255, HB1 or SP
External Angle	XA	K.3f	125 x 255, HB1 or SP

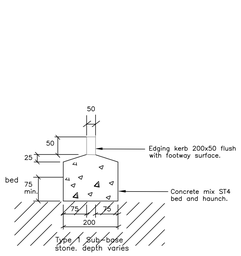


HALF BATTERED KERB

KERB BASE, KERB AND KERB BACKING LAID BEFORE CONCRETE SETS



BULLNOSED KERB



EDGING KERB

NOTES

REV	DETAILS	DRAWN	CHECKED	DATE

CLIENT:

CASTLE GREEN HOMES

PROJECT:

STANSTY CHAIN ROAD, WREXHAM (WREXHAM CB COUNCIL)

DRAWING TITLE:

S278 STANDARD DETAILS

SCALES:

1:250 @ A0

DRAWN:	CHECKED:	DATE:
LB	JC	MAY 25

Eddisons
340 Deansgate
Manchester
M3 4LY

Email: info@crofts.co.uk
Tel: 0161 837 7380
Web: www.eddisons.com/services/transport-planning

DRAWING NUMBER: 4813-D004

REVISION: -

Eddisons

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