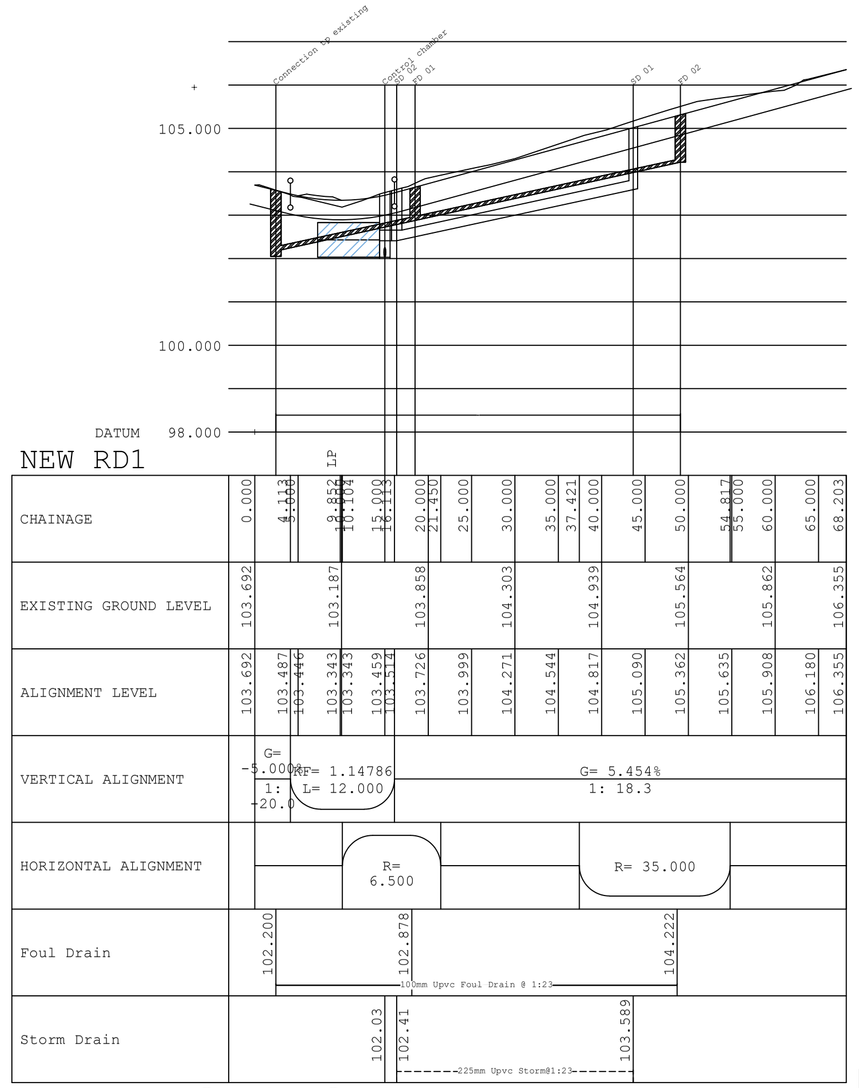
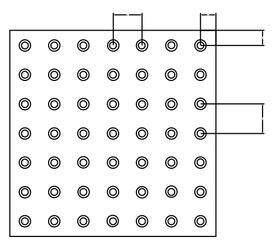


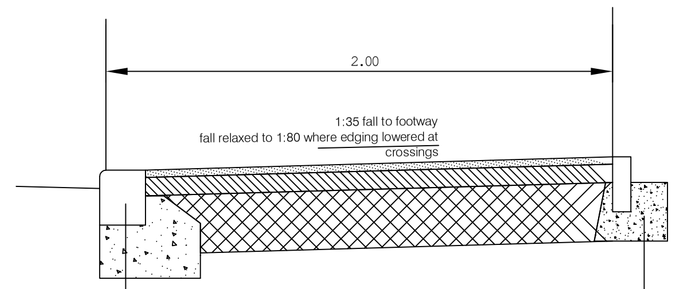
Section Scales 1:500 1:50

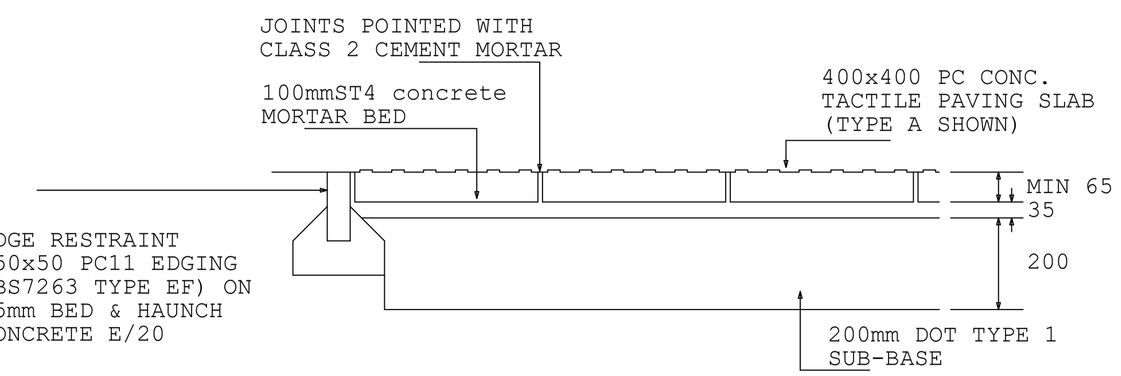


MODULUS TYPE	SIZE	PITCH DIMENSION +/- 2mm A	B	MINIMUM THICKNESS
A (36 DOMES)	400 SQ	66.8	33	65
B (49 DOMES)	450 SQ	64	33	70

NOTE
SEE ALSO LEICESTERSHIRE COUNTY COUNCIL STANDARD DETAIL DRAWINGS SD/11/17A AND SD/11/20A FOR FURTHER DETAILS.

TACTILE SURFACES AT PEDESTRIAN CROSSING POINTS





TYPICAL SECTION THROUGH TACTILE SURFACE PEDESTRIAN CROSSING POINT 1:10

6C's standard details SD/11/17A & SD11/20A APPLY

FOOTWAY LINK CONSTRUCTION

Table MC7 : residential footways - construction materials and depths				
		Bituminous		Block Paving
surfacing	20mm	AC 6 dence surf 100/150 (MHA material reference SC12)	90mm	60mm blocks on 30mm bedding sand (compacted)
Base Course	50mm	AC20 dense bin 160/220 rec (MHA material reference BC3)	70mm	AC20 dense bin 160/220 rec (MHA material reference BC3)
Sub-base	160mm	Granular Type 1 (MHA material reference SB13)	150mm	Granular Type 1 (MHA material reference SB13)
	OR 225mm	Granular Type 1 (MHA material reference SB13)		includes vehicular crossing serving 5 or less dwellings
		vehicular crossing serving 5 or less dwellings		

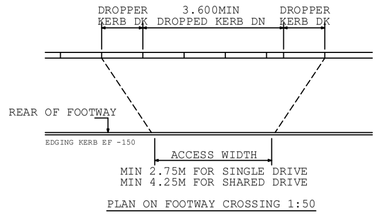
Where it is agreed that it is appropriate, Concrete-block paving and other paving areas can be used. The concrete block paving must comply with and be laid in line with the requirements of appendix 11/1 of the Councils specification for concrete blocks in footways

The use of block paving may attract a commuted sum as indicated in table MC9

All works to be in compliance with BS594987:2015 - transport, laying,compaction and product type

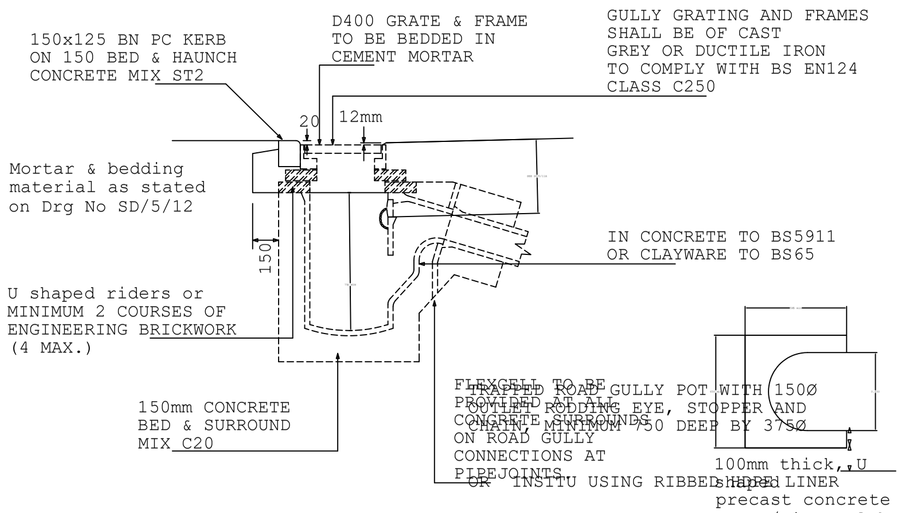
BOND COATS TO BE APPLIED BETWEEN BITUMINOUS LAYERS BOND COATS TO BE LAID TO BS 594987:2015

ALIGNMENT NEW RD1								
LOCATION	CHAINAGE	EASTING	NORTHING	RADIUS	BEARING	ANGLE	ARC LENGTH	TANL
SPNEWRD1-1	0.000	447726.913	303938.243		130.94182			
TPNEWRD1-1a	10.104	447734.545	303931.622		130.94182			
TPNEWRD1-1		447740.398	303926.544	6.500		100.01358	11.346	7.748
TPNEWRD1-1b	21.450	447734.380	303921.664		230.95539			
TPNEWRD1-2a	37.421	447721.976	303911.603		230.95539			
TPNEWRD1-2		447715.078	303906.008	35.000		28.47781	17.396	8.882
TPNEWRD1-2b	54.817	447711.682	303897.801		202.47759			
EPNEWRD1-1	68.203	447706.565	303885.433		202.47759			

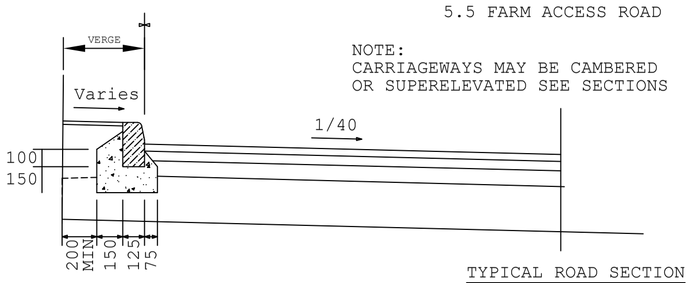


PLAN ON FOOTWAY CROSSING 1:50

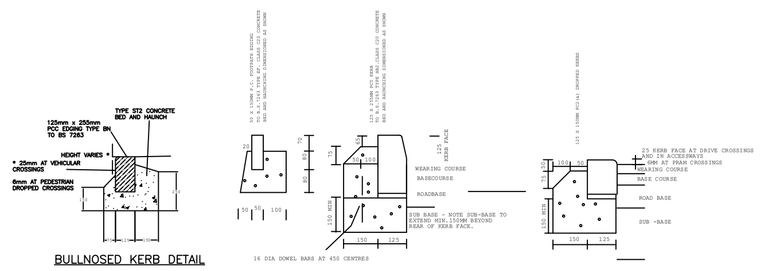
DROPPED KERB



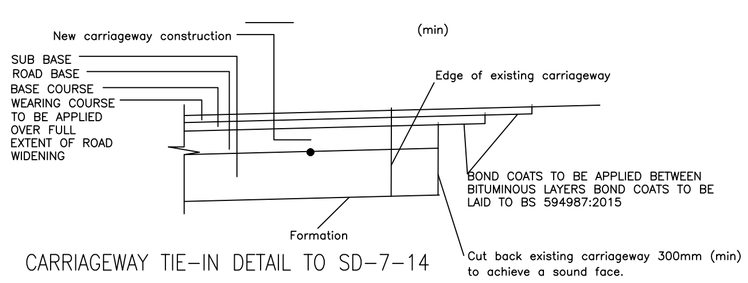
ROAD GULLY DETAIL 1:20 TO SD/5/13



TYPICAL ROAD SECTION



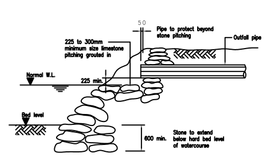
TYPICAL KERB AND BEDDING DETAILS to SD/11/2 N.T.S.



CARRIAGEWAY TIE-IN DETAIL TO SD-7-14

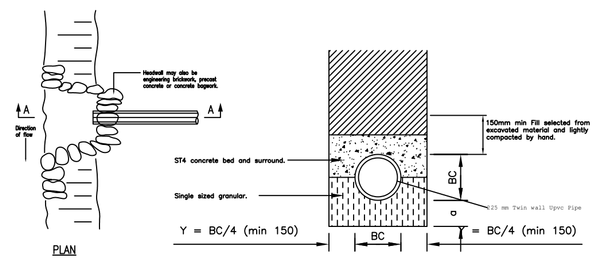
Table MC5 - Road carriageway construction materilas and depths										
Residential access roads								Industrial Access roads		
Bituminous					Block			Block		
			notes				notes			
Surface course	20mm				80mm			80mm		HRA 35/14 F surf 40/60 des (20mm pre-coats) (MHA material reference SC6)
	40mm	SMA 10 surf 40/60 (PSV 55) (MHA material reference SC2)	1,2		40mm	SMA 10 surf 40/60 (PSV 55) (MHA material reference SC7)	1,2	50mm		
	40mm	HRA 55/10F surf 40/60 des (MHA material reference SC7)	2		40mm	HRA 55/10F surf 40/60 des (MHA material reference SC7)	2			
	40mm	AC 10 Close surf 100/150 (MHA materila reference SC11)	2		40mm	AC 10 Close surf 100/150 (MHA materila reference SC11)	2			
Binder Course	60mm	AC20 dense bin 100/150 rec (MHA materila reference BC2)		20mm sand	50mm	AC20 dense bin 100/150 rec (MHA materila reference BC2)		30mm sand	60mm	AC20 dense bin 40/60 rec (MHA materila reference BC1)
									60mm	Ac20 HDM bin 40/60 dec (MHA materila reference BC4)
Base	150mm	AC32 base 40/60 rec (MHA materila reference B1)	as bituminous	110mm	AC32 base 40/60 rec (MHA materila reference B1)		as bituminous	190mm		AC32 base 40/60 rec (MHA material reference B1)
										AC32 HDM base 40/60 des (MHA material reference B1)

Polished Stone Value (PSV) of course aggregate in surfacing course shall be determined from the table of investigatory levels, see DMRB Part 1 HD36/06
1 (http:www.gov.uk/standards/dmrb/vol7/hd3606.pdf) however for Leicestershireuse the table in AppendixM, but should be not less than 55
2 HRA 50/10 bin 40/60(Material ref RE(1)) may be used for hand laying speed tables
3 Sub-grade assessment, capping layer/sub-base design are covered in Section MC10 paras 4.65 -4.7



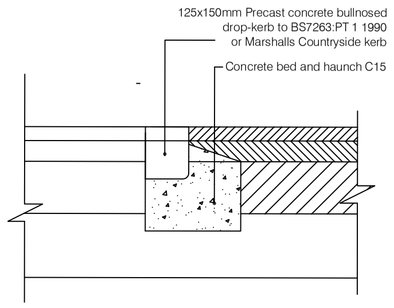
SECTION A–A

NOTES
1. Pipe outfall with velocity should not exceed 1.2 M/S
2. The headwall and wingwalls should not project beyond or above the line of the bank.
3. No part of the structure should cut into any flood embankment.
4. All surplus spoil from excavations for structure and pipe must be removed from site.
5. Stone pitching may be required to protect the bed and opposite bank downstream of the outfall and should conform to the environment agency's specification for stone pitching referred to in information sheet No.5.
6. The exact location of the outfall must be indicated.
7. Where required, a flapvalve must be fitted. Where an outfall pipe passes through a flood defence structure, e.g. a floodbank, a flapvalve and manually operated penstock are required.



PLAN

UNREINFORCED CONCRETE SURROUND (CLASS A1) NTS



Highway boundary demarcation detail

FOR DETAILS OF184 WORKS SEE FULL SUBMISSION DOCUMENT SET

ALL WORKS TO 6C's DESIGN GUIDE SPECIFICATIONS AND STANDARD DETAILS

BOND COATS TO BE APPLIED BETWEEN BITUMINOUS LAYERS BOND COATS TO BE LAID TO BS 594987:2015

MC4 Carriageway sub-base and capping

CBR Value	Min 450mm frost Susceptibility (see Clause 4.68) Access road 250mm (bituminous layer thickness) Capping	sub base	Access Way 200mm (bituminous layer thickness) Capping	sub base	Industrial Road (300mm bituminous layer thickness) Capping	sub base
less than 2%	550	200	500	250	600	150
2%	400	200	350	250	450	150
3%	350	200	250	250	350	150
4%	300	200	200	250	300	150
5%-15%	250	200	200	250	250	150
more than 15%	200	200	-	250		150

Notes:-

For guidance only. Do not scale off this drawing

1:10 - 0	100mm	200mm	300mm	400mm	500mm	600mm	700mm	800mm	
1:100- 0	1m	2m	3m	4m	5m	6m	7m	8m	
1:20 - 0		400mm		800mm		1200		1600	
1:50 - 0		1m		2m		3m		4m	

GENERAL NOTES:

1. DO NOT SCALE from this drawing. If in doubt ASK.
2. This drawings is to be read in conjunction with ALL RELEVANT Architect's, Engineer's and Specialist's drawings and specifications.
3. Should there be any discrepancy between details indicated on this drawing and those indicated on other drawings, the Engineer must be notified immediate in writing.
4. The contractor shall check all tie-ins for line and level with existing before commencing any works. Should any discrepancy or errors be found the contractor must report to and notify the Engineer immediately in writing.
5. Until technical approval has been obtained from the relevant Statutory Authorities all drawings issued are "For Approval' or 'Preliminary' respectively and NOT for construction. Any site work carried out by the contractor prior to technical approval being granted are carried out entirely at the contractor's risk.
6. The depiction of any service apparatus on this drawing has been obtained from third party sources and may not be accurate or complete. At no time does the inferred position(s) on the drawings absolve the contractor from taking all necessary steps to locate service plant in accordance with relevant Authority's suggested methods. Michael W Conway will accept no liability in respect of any losses or damage caused in-respect of such apparatus, however caused.
7. The contractor is responsible for ensuring that all works are to the satisfaction of the Engineer, and shall be deemed to have included for any necessary testing within his rates.
8. It is the responsibility of the contractor to execute the works at all times in strict accordance with the requirements of the 1974 Health and Safety at Work Act, and the 1994 Construction, Design and Management (CDM) Regulations. The contractor will be deemed to have allowed for full compliance with the same within his rates, including full liaison with the Planning Supervisor.
9. The contractor will be responsible for providing all necessary dewatering and trench support to execute the works in a satisfactory manner and shall be deemed to have included for the same within his rates.
10. Technical approval for Public / Adoptable sewers to be procured through a Section 104 of the Water Industry Act 1991.
11. Public / adoptable sewers to be in accordance with "Sewers for Adoption" 6th Edition, the relevant British/European and Severn Trent Water's Standards / Requirements / Addendums and Kite Marked.
12. Sewers are to be constructed in accordance with the W.S.A publication "Sewers for Adoption" 6th Edition and common water company addendum and Severn Trent Water addendum.
13. Positions of all existing sewers to be established before construction commences and details reported to Regional Engineer. Data for existing pipework has been gathered from various sources and requires verifying before commencement of works.
14. ALL pipe connections to existing sewerage infrastructure are to be checked for line, level and diameter prior to commencing works, as no guarantee of accuracy or completeness of data can made on information made available by third parties and other sources.
15. The construction of the new roads shall be in accordance with the Leicestershire County Council Highways, Transportation and Development Specification (6C's HTD) and the Department of Transport, Specification for Highway Works.
16. All pavement construction materials placed within 450mm of finished surface levels shall be non-frost susceptible.
17. The contractor shall carry out insitu CBR tests to establish the capping/sub-base requirements prior to commencing

FOR APPROVAL

Rev	By	Chkd	Apprvd	Date	Description

Client
XL DESIGNS (MIDLANDS) Ltd

Michael W Conway
110 Melbourne Road
Ibstock
Leics
LE67 6NN
Tel01530
mobile 07967 718075
Email:
mickconway22@btinternet.com

Project
Lyndale, Lindridge Lane, Desford, Leics

Drawing
Road & Sewers General Arrangement Drawing

Drawn by: MWC Date: May 24

Drawing No. E23-24-040 Revision:

Drawing Scale: Drawing Scale:As Shown