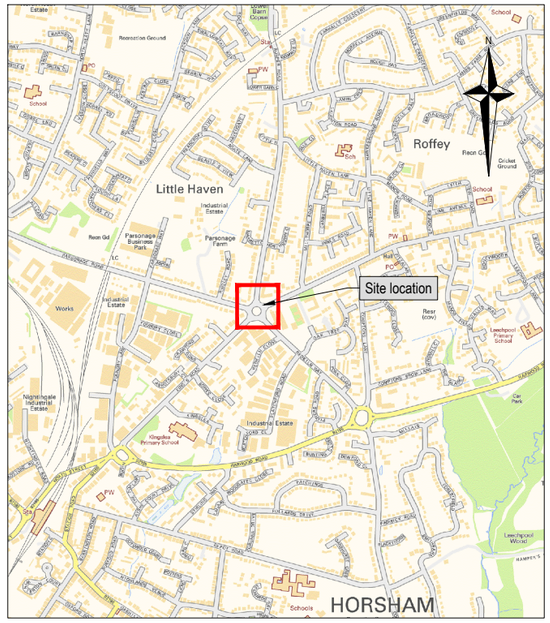
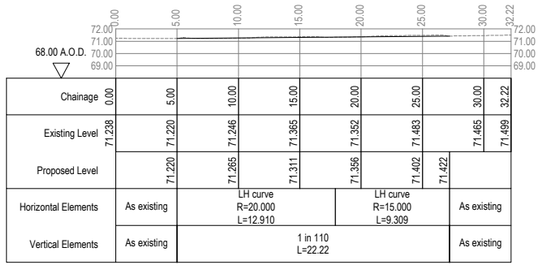


SCALE 1:10000

DIAGRAM NUMBER TSRGD (2016)	MARK LENGTH (mm)	GAP LENGTH (mm)	LINE WIDTH (mm)
1004	4000	2000	100
1018.1	Continuous (yellow)		75 (match existing)
1040	4000	2000	100

ROAD MARKING SCHEDULE



KERBLINE A
Horiz. 1:250 Vert. 1:250

N

5.0 0.0 5.0 10.0 15.0 20.0 25.0
Scale = 1:250 @ A1

SURFACE FINISHES KEY

FULL DEPTH CARRIAGEWAY CONSTRUCTION - COLLECTOR ROAD (DESIGN 2-2.5% CBR)
30mm AC10 close surf 100/150 rec to BS EN13108-1: 2006 and BS594987
60mm AC20 dense bin 40/60 rec to BS EN13108-1: 2006 and BS594987
275mm ST1 concrete (See note 15 WSCC drawing no. S278/38/21)
600mm Capping layer Type 6F1 (site won) or Type 6F4 (imported) (MCHW1 - Series 600)

Terram 1000 or similar approved Geotextile to be provided between sub-base and road formation. Surface course minimum PSV 65+ and Maximum AAV 14.

See WSCC drawing no. S278/38/21.

PLANE OUT AND INLAY CARRIAGEWAY
Plane out 30mm existing surface course and inlay 30mm AC10 close surf 100/150 rec to BS EN13108-1: 2006 and BS594987

NEW FOOTWAY CONSTRUCTION - ASPHALT CONCRETE
20mm AC 6 dense surf 100/150 rec to BS EN13108-1: 2006 and BS594987
50mm AC 20 dense bin 40/60 rec to BS EN13108-1: 2006 and BS594987
100mm AC32 dense base 40/60 rec to BS EN13108-1: 2006 and BS594987
270mm Type 1 Sub-base to Clause 803

See WSCC drawing nos. S278/38/04 and 08.

ADJUST/OVERLAY AND PLANE OUT/INLAY FOOTWAY CONSTRUCTION - ASPHALT CONCRETE
(RAISE/REDUCE FOOTWAY LEVELS TO SUIT KERB ADJUSTMENT)
Adjust level of footway using;
20mm AC 6 dense surf 100/150 rec to BS EN13108-1: 2006 and BS594987
and AC 20 dense bin 40/60 rec to BS EN13108-1: 2006 and BS594987 to regulate level differences in accordance with Table A.

When reducing levels for uncontrolled crossing, adjust levels and relay surfacing to suit new layout. Footway gradients to be 1:40 and laid to fall to carriageway.

See WSCC drawing nos. S278/38/04 and 08.

NEW AREAS OF VERGE / LANDSCAPING
Areas to receive soft landscaping. Lay Class 5B (imported) topsoil, minimum depth 250mm. Minimum 150mm of topsoil to be laid over areas of existing soft landscaping.

UNCONTROLLED PEDESTRIAN CROSSING (TACTILE PAVING)
New uncontrolled pedestrian crossing. Blister tactile paving slabs (400x400x65mm). Colour to be buff.

65mm Blister tactile paving slabs (BS EN 1338:2003)
30mm Compacted sand bedding
150mm Type 1 sub-base to Clause 803

See WSCC drawing nos. S278/38/18.

TABLE A

Stone size	Layer thickness (mm)	
	Min.	Max.
0/6	15	50
0/10	25	50
0/20	50	80
0/32	80	100

CARRIAGEWAY - FLEXIBLE CONSTRUCTION TABLE SELECTOR			
	LOCAL DISTRIBUTOR	COLLECTOR	ACCESS ROAD
CAPPING LAYER (For Design CBRs 5% capping shall be class 6F1/6F2 (site won), or 6F4 /6F5 (imported) material			
Design CBR <2%	Bespoke design required in accordance with IAN 73/06		
Design CBR 2-2.5%	600	600	600
Design CBR 2.5-5%	350	350	350
Design CBR >5% (Type 1 to Clause 803)	100	100	100
Requirements for determination of the design CBR are located on our website: www.westsussex.gov.uk/roadagreements			
SUB-BASE			
Type 1 (Clause 803)	150	150	150
Either: 32mm Dense Ashpalt Concrete Base 40/60 PEN to clause 906	150	125	100
Or: Lean Mix Concrete	-	150	150
20mm Dense Ashpahlt Concrete Binder 40/60 PEN to clause 906 (Not required with block paviours)	60	60	50
SURFACE COURSE			
HRA 35/14F Surface des course to clause 943 with 14/20mm pre-coated chippings.	50	-	-
10mm Close Graded Asphalt Concrete Surface Course 100/150 to clause 912. Designer to specify PSV and AAV.	-	30	30
Block on 30mm sand Bed	-	80	80

KERBLINE B
Horiz. 1:250 Vert. 1:250

NOTES

1. This drawing is to be read in conjunction with all relevant documents and specifications.
2. Dimensions are not to be scaled.
3. All works shall be in accordance with Volume 1 of Manual of Contract Documents for Highways Works - Specification for Highway Works (MCHW) and West Sussex County Council's specific requirements including current standard details and guidance documents as appropriate.
4. Unless otherwise specified, pavement foundation is based on an assumed Design CBR of 2-2.5%. Prior to construction, the in-situ E value should be checked using the Dynamic Cone Penetrometer (DCP) method following proof-rolling (converted from equilibrium CBR values in accordance with CD 225 if relevant). Where E is less than 27MPa (~ CBR2.0%), improvement of the subgrade shall be undertaken in accordance with the methods described in CD225 (which supersedes IAN 73/06) and the specific requirements of WSCC standard detail S278/38/21. Reference shall also be made to WSCC 'Guidance for the Design of Road Pavement Foundations'. Results of in-situ testing shall be reported to the Engineer prior to construction. Where localised soft spots are encountered, they should be removed and replaced with Type 6F4 or Type 6F5 imported capping material compacted in layers in accordance with MCHW series 800.
5. Asphalt layer thicknesses to be in accordance WSCC standard detail S278/38/21 (Classification - 'Collector') unless indicated otherwise by the Engineer. In other areas asphalt thicknesses shall be in accordance with BS594987 Section 5 and Tables 1A, 1B, and 1C.
6. Where existing waiting restrictions are being remarked, no changes to associated Traffic Regulation Orders are envisaged. Remarked yellow lining colour to be deep cream. Line widths to match existing.

Source: MK Surveys drawing no. 31246

KEY

- Existing highway boundary interpreted from WSCC records
- Extent of S.278 works
- DK — Dropped precast concrete kerb 125x150mm Type BN kerb laid with ST1 concrete bed and haunch. Upstand to be 6mm at pedestrian/cycle crossings (see WSCC drawing no. S278/38/02).
- HB2 — Precast concrete kerb Type HB2 (see WSCC drawing no. S278/38/02 - Type HB2. Upstand to match existing)
- TL/TR — Precast concrete transition kerb Type HB2 (see WSCC drawing no. S278/38/02 - Type HB2 & S278/38/07 - Footway Crossover Type 1)
- EF — Precast concrete edging Type EF (continuous) (see WSCC drawing no. S278/38/02 - Type EF)
- Relocated non-illuminated pedestrian/cycle sign
- Relocated road name plate
- [1004] Road marking diagram number (TSRGD 2016) and new road markings (shown black)
- Existing road markings to be remarked (shown blue)
- 71.64 Existing level
- 10 / 71.265 Chainage marker / Proposed channel level

Rev.	Description	Date	Chkd
A5	New road markings identified in Key.	07/08/2023 D.Strange	GT
A4	Full depth carriageway foundation layers replaced with ST1 concrete in accordance with widenings less than 1.0m. Full-width of approach lanes resurfaced. Extent of footway resurfacing amended.	04/07/2023 D.Strange	GT
A3	Revised to suit Stage 2 RSA. Existing road markings shown to be remarked (shown blue) and 2no. existing keep left bollard sign faces to be replaced with plain face roundels.	14/04/2023 D.Strange	GT
A2	Minor amendments following client review.	09/02/2023 T. Hart	GT
A1	Issued for APPROVAL.	08/02/2023 D.Strange	GT

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Client :
Legal & General (Strategic Land North Horsham) Ltd

Project :
Mowbray (Land North of Horsham)

Title :
Junction Ref. C12: Rusper Road / Crawley Road
S.278 Highway Works
Engineering Layout

Project Engineer :	G Turner	Scale :	As Shown @ A1
Project Director :	J. Birch	Date :	February 2023
Status :	Approved for Construction		

Drawing No. Mowbray-GLA-RUSP-Ph2-D-H-6300 Rev A5