

Sign Face Details							Clearances		Post Details				Lighting Details		Wind Load Class		Passive Safety Class	Foundation Details	Comments	
Sign Ref.	Diag No. to TSRGD 2016	Description	Width (mm)	Height (mm)	x height	Reflect	Illum	Horiz. (mm)/min	Vertical (mm)	Number & Length	Size & Section	Post Spacing	EAC	Lighting Unit No. & Type	Maint. No.	BS EN 1991-1-4 (kN m ⁻²)	BS EN 12899-1:2007 Classes	Recommendations (All occupancy safety levels acceptable)		Length, Width, Depth (mm)
1 to 2	Diag 7014	NEW ROAD LAYOUT AHEAD	495	490	50	RA2	-	500	2300	1x3600	76 TSP	-	NE		-	1.0	WL3,TDB5,PL3,PAF1	100 NE	600x600x600	Signs to be provided and maintained for a period of 3 months after completion of the works. Following this period, remove signs and posts. Make good ground following removal of signs.
NOTES 1. Schedule to be read in conjunction with all relevant drawings, documents and specifications and the specific requirements of West Sussex County Council. 2. For externally illuminated signs all posts shall be wide base type. 3. Foundation bases shall be concrete mix design ST4 and comply with the Standard Concrete Mixes. 4. All sign installations shall be in accordance with West Sussex County Council's specifications. 5. Contractor to submit designs produced by signage sub-contractor to Engineer for approval prior to ordering. 6. Vertical clearance refers to lower edge of sign. 7. Horizontal clearance to be minimum of 500mm from the edge of sign to kerb/face where applicable. 8. Sign faces to be Aluminium Composite Material (ACM). The backs of the signs shall be grey. 9. Sign posts to be galvanised if made in a ferrous material or natural finish if non-ferrous.																				KEY TO ABBREVIATIONS RA2 = Material Class RA2 EI = Externally Illuminated IL = Internally Illuminated TSP = Tubular Steel Post WBP = Wide Based Type Post TBC = To Be Confirmed BoF = Back of Footway HE = High energy absorption (Passive Safety Posts) LE = Low energy absorption (Passive Safety Posts) NE = Non-energy absorption EAC = Energy Absorption Category

SIGN SCHEDULE

DIAGRAM NUMBER TSRGD (2016)	MARK LENGTH (mm)	GAP LENGTH (mm)	LINE WIDTH (mm)
1003A	600	300	200
1004	4000	2000	100
1009A	600	300	100
1018.1	Continuous		As existing
1023A	'Give way' triangle (3750mm)		

ROAD MARKING SCHEDULE



STATIONS

POINT	EASTING	NORTHING
STN1	503442.034	103325.312
STN2	503452.706	103302.062

TACTILE PAVING

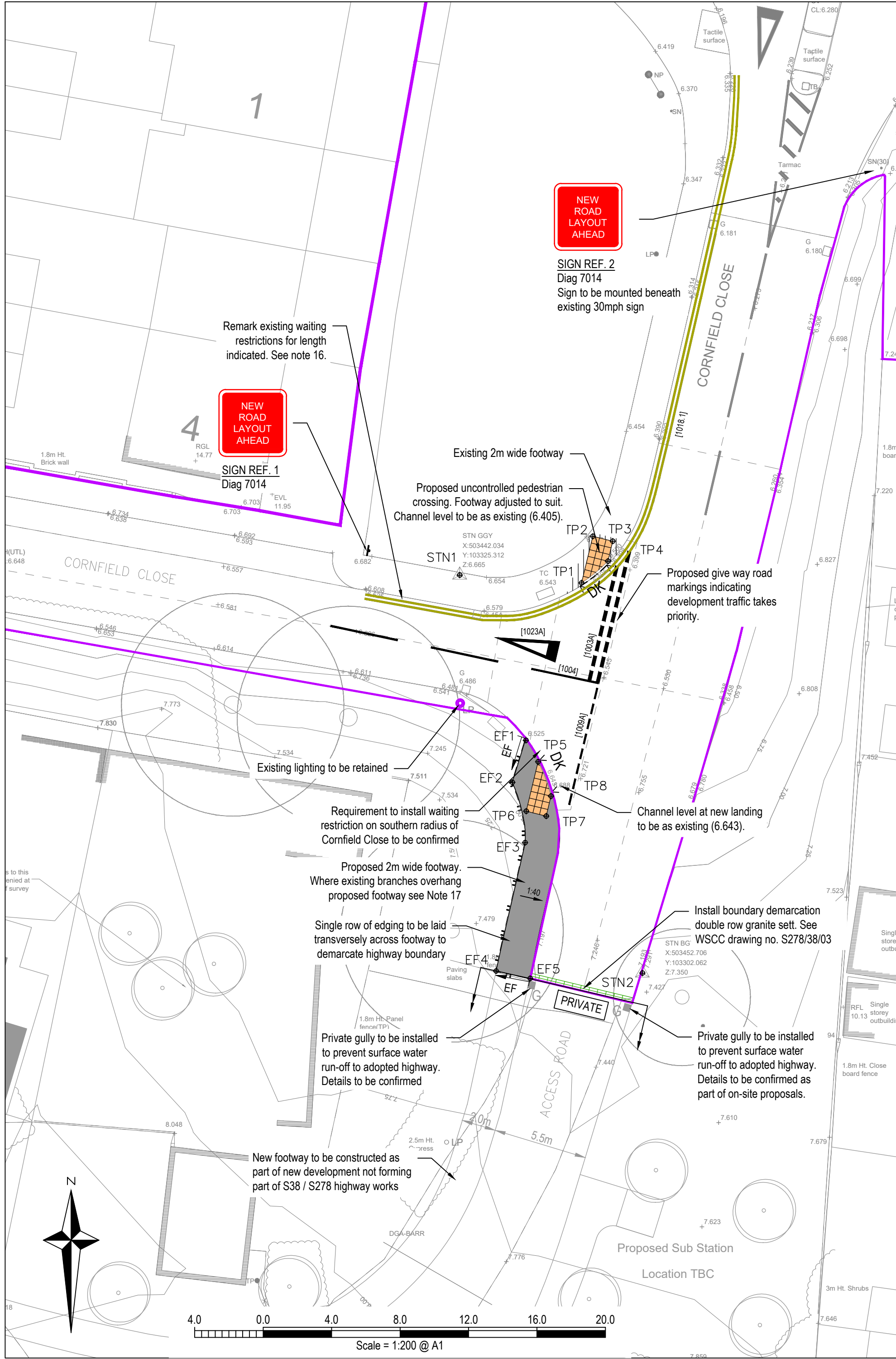
POINT	EASTING	NORTHING
TP1	503449.152	103324.857
TP2	503449.811	103327.576
TP3	503450.977	103327.293
TP4	503450.694	103326.127
TP5	503446.818	103314.402
TP6	503445.918	103311.514
TP7	503447.085	103311.232
TP8	503447.367	103312.398

EDGING

POINT	EASTING	NORTHING
EF1	503445.900	103315.659
EF2	503445.111	103313.207
EF3	503445.848	103309.677
EF4	503444.162	103302.182
EF5	503446.153	103301.751



EXISTING LEVELS



PROPOSED LAYOUT

KEY

- Existing highway boundary
- Proposed new revised highway boundary
- Road marking diagram number (TSRGD 2016)
- Dropped precast concrete kerb 125x150mm Type BN kerb laid with ST1 concrete bed and haunch. Upstand to be 0-6mm at pedestrian crossings (see WSCC drawing no. S278/38/02).
- Precast concrete edging Type EF (see WSCC drawing no. S278/38/02)
- Boundary demarcation double row granite sett (see WSCC drawing no.278/38/03)

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

SURFACE FINISHES KEY

- NEW FOOTWAY CONSTRUCTION - ASPHALT CONCRETE (Footway Type 1)**
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
200mm Type 1 Sub-base to Cl.803
Lay single sheet of Fibertex F4M non-woven geotextile or similar approved between sub-base and road formation.
When reducing levels for uncontrolled crossing, adjust levels and relay surfacing to suit new layout.
See WSCC drawing no. S278/38/04 - Footway Type 1.
- FOOTWAY ADJUSTMENT**
Adjust level of footway using:
20mm AC 6 dense surf 100/150 rec to BS EN13108-1: 2006 and BS594987
Regulating AC 20 dense bin 40/60 rec to BS EN13108-1: 2006 and BS594987
65mm Blister tactile paving slabs (BS EN 1338:2003)
30mm Compacted sand bedding
200mm Type 1 Sub-base to Cl.803
Lay single sheet of Fibertex F4M non-woven geotextile or similar approved between sub-base and road formation.
See WSCC drawing no. S278/38/18 - Laying Method Option 1.
- UNCONTROLLED PEDESTRIAN CROSSING (Laying Method Option 1) (TACTILE PAVING)**
New uncontrolled pedestrian crossing. Blister tactile paving slabs (400x400x65mm). Colour to be buff. See notes 11 & 12.

NOTES

- Reproduced from Ordnance Survey digital data with the permission of the Controller of Her Majesty's Stationery Office, Crown copyright (AL814229).
- This drawing to be read in conjunction with all relevant documents and specifications.
- Dimensions not to be scaled.
- All works shall be in accordance with Volume 1 of the "Manual of Contract Documents for Highway Works - Specification for Highway Works" and West Sussex County Council's specific requirements including the current revision of the Section 278/38 Highway Agreement Standard Details.
- For details on the location of existing services refer to the utility company record drawings. All existing services shall be marked out on the ground prior to any construction commencing.
- Cover levels to be adjusted to suit new carriageway/footway levels.
- All new kerbing to be precast concrete unless indicated otherwise. Upstand to be 0-6mm at pedestrian crossings. See also WSCC drawing no. S278/38/02.
- The maximum and minimum depth for each layer of surfacing is summarised in Table A. Where depth of the surface layer varies and is less than minimum depth permissible additional surfacing material from following layer shall be used.
- Any damaged kerbs installed next to proposed surfacing shall be replaced prior to laying the surface course.
- All verges shall be reinstated where verges are damaged by site activities. Verges shall be reinstated with a minimum of 150mm topsoil with grass seed added.
- Bond coats shall be applied between all pavement layers regardless of how long the preceding layer has been laid or whether it has been trafficked. Bond coat shall be Polybond 50 / Colbond 50 to Clause 5.5 of BS59487:2015. Spread rate shall be 0.32/s to 0.50/s for newly laid asphalt substrate and 0.55/s to 0.85/s on planed and existing asphalt substrates.
- Falls across tactile landings shall not exceed 1:12 in any direction with a desirable maximum of 1:20.
- All tactile paving slabs should be laid so that the blisters are aligned in the direction of travel to the opposite crossing point. Both landings forming a crossing shall be of equal width.
- All road markings and traffic signs shall be in accordance with the 'Traffic Signs Regulations and General Directions', 2016 (TSRGD 2016).
- Conflicting or redundant road markings to be removed prior to laying new markings. Methods involving burning or painting over will not be permitted.
- All road markings shall be in white thermoplastic reflective material or paint in accordance with BS EN 1871 and to cl.1212 with ballotin glass beads unless otherwise noted.
- Remark existing double line waiting restriction for length indicated. Colour to be Deep Cream.
- Where existing branches overhang proposed footway and require removal to achieve sufficient vertical clearance (minimum 2.1 metres) trimming should take place. Consult Arboriculturists prior to any trimming taking place. Refer to Arboricultural Impact Assessment & Method Statement (Report Ref. THA21635aia-amB as prepared by ACD Environmental).
- Sign Refs. 1 & 2 to Diag 7014 "NEW ROAD LAYOUT AHEAD" to be provided and maintained for a period of 3 months after completion of the works. Following this period, remove signs and posts. Make good ground following removal of signs.

C1	Approved for construction.	29/05/19 T.Hart	GT
A6	Additional notes re. boundary demarcation added. Setting out added.	29/05/19 T.Hart	GT
A5	Drawing number amended.	09/05/19 D.Strange	GT
A4	Highway boundary studs markers changed for granite setts. Edging kerb extended. Diag 1026.1 removed.	07/05/19 M.Delgado	GT
A3	Levels added, brass studs added, new road marking ref included, footway cross-section and crossing detail removed.	12/03/19 M.Delgado	GT
A2	Sign details added.	21/01/19 T.Hart	GT
Rev.	Description	Date	Chkd



Glanville
Cornerstone House
62 Foxhall Road, Didcot
Oxon, OX11 7AD
Tel: (01235) 515550 Fax: (01235) 817799
postbox@glanvillegroup.com www.glanvillegroup.com

Client : 

Project : **Section 38 / 278 Highway Works**
Land to the South of
Cornfield Close, Littlehampton

Title : **Section 38 / 278 Highway Works**
Engineering Layout

Project Engineer : G. Turner Scale : As Shown @ A1
Project Director : J. Birch Date : January 2019
Status : **APPROVED FOR CONSTRUCTION**

Drawing No. **M637_17.001** Rev **C1**