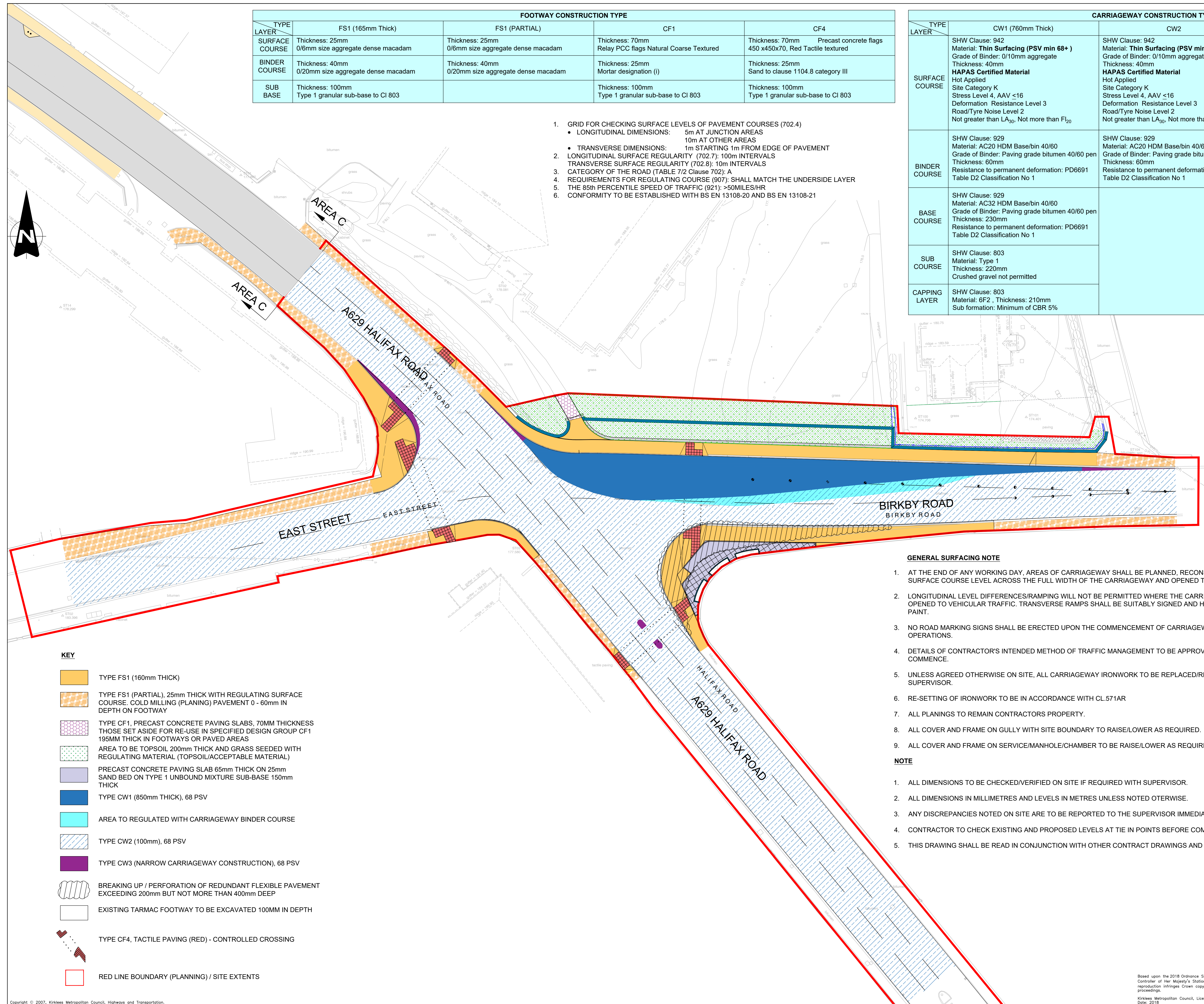


| FOOTWAY CONSTRUCTION TYPE |  |  |  |  |
|---------------------------|--|--|--|--|
| TYPE LAYER                | FS1 (165mm Thick)                                      | FS1 (PARTIAL)  | CF1  | CF4  |
| SURFACE COURSE            | Thickness: 25mm<br>0/6mm size aggregate dense macadam  | Thickness: 25mm<br>0/6mm size aggregate dense macadam  | Thickness: 70mm<br>Relay PCC flags Natural Coarse Textured | Thickness: 70mm<br>Precast concrete flags<br>450 x450x70, Red Tactile textured |
| BINDER COURSE             | Thickness: 40mm<br>0/20mm size aggregate dense macadam | Thickness: 40mm<br>0/20mm size aggregate dense macadam | Thickness: 25mm<br>Mortar designation (I)                  | Thickness: 25mm<br>Sand to clause 1104.8 category III                          |
| SUB BASE                  | Thickness: 100mm<br>Type 1 granular sub-base to CI 803 |  | Thickness: 100mm<br>Type 1 granular sub-base to CI 803     | Thickness: 100mm<br>Type 1 granular sub-base to CI 803                         |

| CARRIAGEWAY CONSTRUCTION TYPE |  |  |  |
|-------------------------------|--|--|--|
| TYPE LAYER                    | CW1 (760mm Thick)  | CW2  | CW3  |
| SURFACE COURSE                | SHW Clause: 942<br>Material: <b>Thin Surfacing (PSV min 68+ )</b><br>Grade of Binder: 0/10mm aggregate<br>Thickness: 40mm<br><b>HAPAS Certified Material</b><br>Hot Applied<br>Site Category K<br>Stress Level 4, AAV <16<br>Deformation Resistance Level 3<br>Road/Tyre Noise Level 2<br>Not greater than LA <sub>30</sub> , Not more than F <sub>120</sub> | SHW Clause: 942<br>Material: <b>Thin Surfacing (PSV min 68+ )</b><br>Grade of Binder: 0/10mm aggregate<br>Thickness: 40mm<br><b>HAPAS Certified Material</b><br>Hot Applied<br>Site Category K<br>Stress Level 4, AAV <16<br>Deformation Resistance Level 3<br>Road/Tyre Noise Level 2<br>Not greater than LA <sub>30</sub> , Not more than F <sub>120</sub> | SHW Clause: 942<br>Material: <b>Thin Surfacing (PSV min 68+ )</b><br>Grade of Binder: 0/10mm aggregate<br>Thickness: 40mm<br><b>HAPAS Certified Material</b><br>Hot Applied<br>Site Category K<br>Stress Level 4, AAV <16<br>Deformation Resistance Level 3<br>Road/Tyre Noise Level 2<br>Not greater than LA <sub>30</sub> , Not more than F <sub>120</sub> |
| BINDER COURSE                 | SHW Clause: 929<br>Material: AC20 HDM Base/bin 40/60<br>Grade of Binder: Paving grade bitumen 40/60 pen<br>Thickness: 60mm<br>Resistance to permanent deformation: PD6691<br>Table D2 Classification No 1  | SHW Clause: 929<br>Material: AC20 HDM Base/bin 40/60<br>Grade of Binder: Paving grade bitumen 40/60 pen<br>Thickness: 60mm<br>Resistance to permanent deformation: PD6691<br>Table D2 Classification No 1  | SHW Clause: 929<br>Material: AC20 HDM Base/bin 40/60<br>Grade of Binder: Paving grade bitumen 40/60 pen<br>Thickness: 60mm<br>Resistance to permanent deformation: PD6691<br>Table D2 Classification No 1  |
| BASE COURSE                   | SHW Clause: 929<br>Material: AC32 HDM Base/bin 40/60<br>Grade of Binder: Paving grade bitumen 40/60 pen<br>Thickness: 230mm<br>Resistance to permanent deformation: PD6691<br>Table D2 Classification No 1   |  | SHW Clause: 1000<br>Material: Concrete (C32/40)<br>Thickness: 400mm  |
| SUB COURSE                    | SHW Clause: 803<br>Material: Type 1<br>Thickness: 220mm<br>Crushed gravel not permitted  |  |  |
| CAPPING LAYER                 | SHW Clause: 803<br>Material: 6F2, Thickness: 210mm<br>Sub formation: Minimum of CBR 5%   |  |  |

- GRID FOR CHECKING SURFACE LEVELS OF PAVEMENT COURSES (702.4)
  - LONGITUDINAL DIMENSIONS: 5m AT JUNCTION AREAS  
10m AT OTHER AREAS
  - TRANSVERSE DIMENSIONS: 1m STARTING 1m FROM EDGE OF PAVEMENT
- LONGITUDINAL SURFACE REGULARITY (702.7): 100m INTERVALS  
TRANSVERSE SURFACE REGULARITY (702.8): 10m INTERVALS
- CATEGORY OF THE ROAD (TABLE 7/2 Clause 702): A
- REQUIREMENTS FOR REGULATING COURSE (907): SHALL MATCH THE UNDERSIDE LAYER
- THE 85th PERCENTILE SPEED OF TRAFFIC (921): >50MILES/HR
- CONFORMITY TO BE ESTABLISHED WITH BS EN 13108-20 AND BS EN 13108-21



**GENERAL SURFACING NOTE**

- AT THE END OF ANY WORKING DAY, AREAS OF CARRIAGEWAY SHALL BE PLANNED, RECONSTRUCTED TO BINDER OR SURFACE COURSE LEVEL ACROSS THE FULL WIDTH OF THE CARRIAGEWAY AND OPENED TO VEHICULAR TRAFFIC.
- LONGITUDINAL LEVEL DIFFERENCES/RAMPING WILL NOT BE PERMITTED WHERE THE CARRIAGEWAY IS TO BE OPENED TO VEHICULAR TRAFFIC. TRANSVERSE RAMPS SHALL BE SUITABLY SIGNED AND HIGHLIGHTED BY SPRAY PAINT.
- NO ROAD MARKING SIGNS SHALL BE ERECTED UPON THE COMMENCEMENT OF CARRIAGEWAY PLANNING OPERATIONS.
- DETAILS OF CONTRACTOR'S INTENDED METHOD OF TRAFFIC MANAGEMENT TO BE APPROVED BEFORE THE WORKS COMMENCE.
- UNLESS AGREED OTHERWISE ON SITE, ALL CARRIAGEWAY IRONWORK TO BE REPLACED/RE-SET AS ADVISED BY SUPERVISOR.
- RE-SETTING OF IRONWORK TO BE IN ACCORDANCE WITH CL.571AR
- ALL PLANINGS TO REMAIN CONTRACTORS PROPERTY.
- ALL COVER AND FRAME ON GULLY WITH SITE BOUNDARY TO RAISE/LOWER AS REQUIRED.
- ALL COVER AND FRAME ON SERVICE/MANHOLE/CHAMBER TO BE RAISE/LOWER AS REQUIRED.

**NOTE**

- ALL DIMENSIONS TO BE CHECKED/VERIFIED ON SITE IF REQUIRED WITH SUPERVISOR.
- ALL DIMENSIONS IN MILLIMETRES AND LEVELS IN METRES UNLESS NOTED OTHERWISE.
- ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE SUPERVISOR IMMEDIATELY.
- CONTRACTOR TO CHECK EXISTING AND PROPOSED LEVELS AT TIE IN POINTS BEFORE COMMENCEMENT OF WORKS.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH OTHER CONTRACT DRAWINGS AND DOCUMENTS.

**KEY**

- TYPE FS1 (160mm THICK)
- TYPE FS1 (PARTIAL), 25mm THICK WITH REGULATING SURFACE COURSE. COLD MILLING (PLANING) PAVEMENT 0 - 60mm IN DEPTH ON FOOTWAY
- TYPE CF1, PRECAST CONCRETE PAVING SLABS, 70MM THICKNESS THOSE SET ASIDE FOR RE-USE IN SPECIFIED DESIGN GROUP CF1 195MM THICK IN FOOTWAYS OR PAVED AREAS
- AREA TO BE TOPSOIL 200mm THICK AND GRASS SEEDED WITH REGULATING MATERIAL (TOPSOIL/ACCEPTABLE MATERIAL)
- PRECAST CONCRETE PAVING SLAB 65mm THICK ON 25mm SAND BED ON TYPE 1 UNBOUND MIXTURE SUB-BASE 150mm THICK
- TYPE CW1 (850mm THICK), 68 PSV
- AREA TO REGULATED WITH CARRIAGEWAY BINDER COURSE
- TYPE CW2 (100mm), 68 PSV
- TYPE CW3 (NARROW CARRIAGEWAY CONSTRUCTION), 68 PSV
- BREAKING UP / PERFORATION OF REDUNDANT FLEXIBLE PAVEMENT EXCEEDING 200mm BUT NOT MORE THAN 400mm DEEP
- EXISTING TARMAC FOOTWAY TO BE EXCAVATED 100MM IN DEPTH
- TYPE CF4, TACTILE PAVING (RED) - CONTROLLED CROSSING
- RED LINE BOUNDARY (PLANNING) / SITE EXTENTS

**TENDER ISSUE**

|  |                    |                    |
|--|--------------------|--------------------|
| A 28.03.24 Drawing Updated to Tender Issue   |                    |                    |
| REF. DATE  | REVISIONS          |                    |
|  |                    |                    |
| <b>Highway Services</b><br>Highway Design & S278<br>Environment & Climate Change<br>PO Box 1720 Huddersfield HD1 9EL |                    |                    |
| SECTION<br>HIGHWAY DESIGN  |                    |                    |
| DRAWN<br>AKKV  | CHECKED<br>RM      |                    |
| SCALE<br>1:200 @ A0  | PROJECT NO.<br>TH5 | DATE<br>14/06/2021 |
| PROJECT<br>A629<br>HALIFAX ROAD (PHASE 5)  |                    |                    |
| TITLE<br>CAVALRY ARMS JUNCTION<br>GENERAL CONSTRUCTION PLAN  |                    |                    |
| DRAWING No. JF5/Area B/GC-1  |                    |                    |
| CAD No.  |                    |                    |