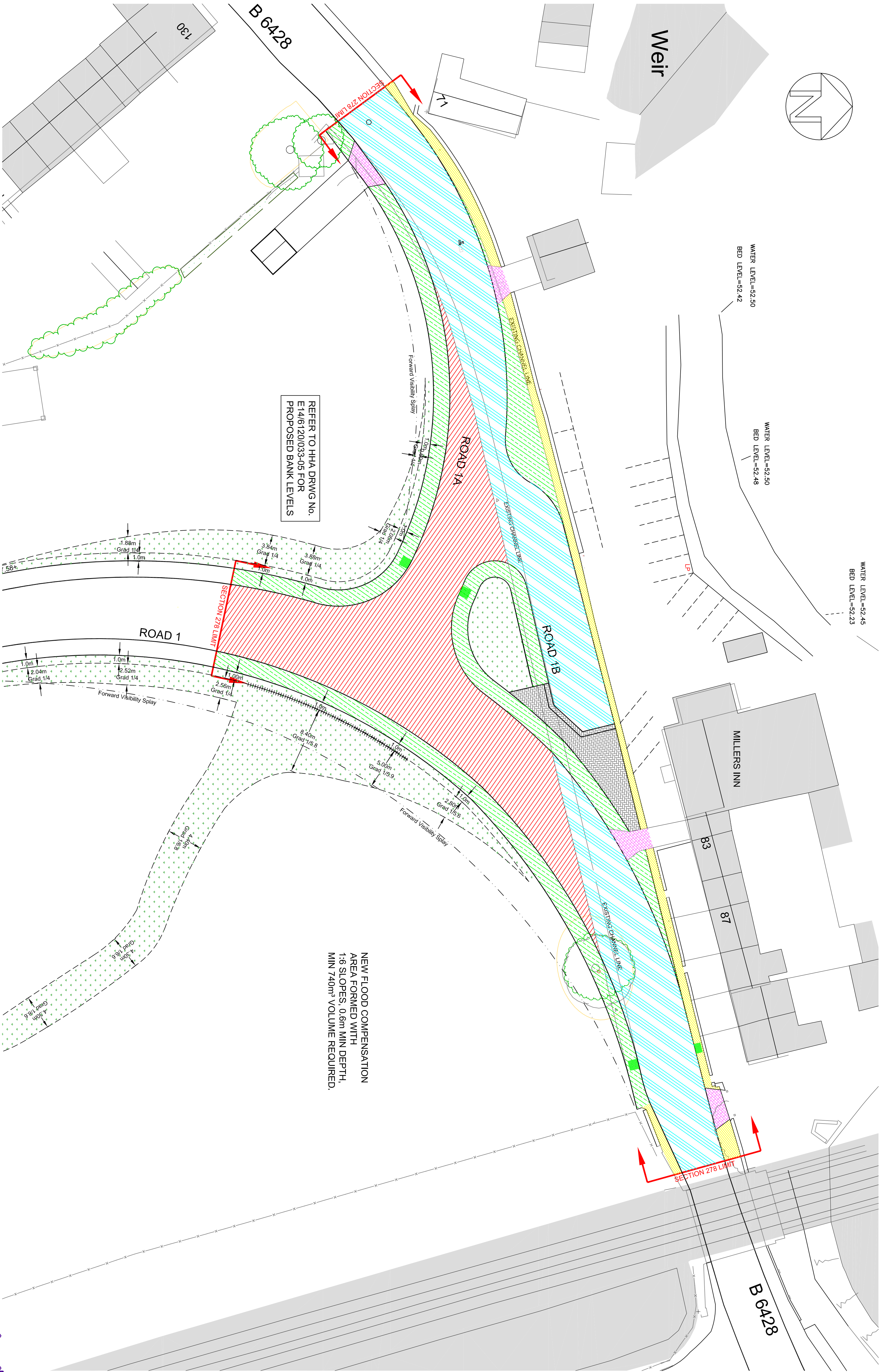




REMARKS	LEVEL OF ROAD	SUGGESTED ACTION
1. ALL ADAPTABLE SEWER WORKS AND MATERIAL TO BE IN ACCORDANCE WITH SEWERS FOR ADOPTION 8th EDITION YORKSHIRE WATER AND KITEMARKED.		
2. MANHOLE COVERS SHALL HAVE A CLEAR OPENING OF 600mm AND SHALL BE CLASS D400 TO BS EN 124 WITH 150mm DEEP FRAMES IN HIGHWAYS.		
3. FILLED GROUND MUST BE FILLED AND CONSOLIDATED UNDER THE SUPERVISION AND TO THE SATISFACTION OF YORKSHIRE WATER BEFORE ANY SEWER WORKS ARE CARRIED OUT.		
4. YORKSHIRE WATER IS NOT OBLIGED TO ACCEPT FILTER DRAINAGE AND DRAINAGE RUNOFF INTO THE PUBLIC SEWER NETWORK OR APPROPRIATE DRAINAGE SYSTEMS UNLESS IT IS SATISFIED THAT THE PROPOSED DRAINAGE SYSTEMS WILL NOT CAUSE ANY ADVERSE EFFECTS TO THE EXISTING DRAINAGE SYSTEMS AND YOU WILL HAVE TO LIAISE WITH THE LOCAL AUTHORITY, LAND AND DRAINAGE SECTION WITH REGARD TO THE DISPOSAL OF THE FILTER DRAINAGE AND DRAINAGE RUNOFF.		
5. COVER SLABS MUST COMPLY WITH THE BS 6754 REQUIREMENTS OR BE REJECTED BY YORKSHIRE WATER INSPECTOR WHERE THE CLEAR OPENING OF THE COVER SLAB IS NOT SATISFACTORY. A MINIMUM OF 100mm CLEARANCE MUST BE MAINTAINED AROUND THE COVER SLAB TO BE ACCEPTED FOR BRINGING THE SIZE DOWN TO 600x600mm FOR THE YORKSHIRE WATER SPECIFIED COVER SIZE. PLEASE REFER TO CONCRETE PIPE SYSTEMS ASSOCIATION (CPSA), 'TECHNICAL BULLETIN ISSUED AUTUMN 2004 FOR KITEMARKED COVER SLAB OPENING SIZES.		
6. SLOUGH RESISTANT PRECAST AND PRECAST CONCRETE PRODUCTS MUST BE USED OR A LABORATORY REPORT PROVIDED PROVING THAT SUCH PRODUCTS WILL BE SUITABLE FOR USE IN PEDESTRIAN AREAS.		
7. THE ADAPTABLE SEWERS SHOULD BE A MINIMUM OF 1m AND MANHOLES 0.5m FROM KERB FACES AND SERVICE MARGINS.		
8. SEWERS MUST HAVE 2m CLEARANCE FROM TREES AND HEDGES.		
9. SEWERS MUST BE Laid IN CLASS 'B' BEDDING 150mm GRANULAR BED AND SURROUND.		
10. ALL PIPEWORK 300mm DIA. OR LESS TO BE VITRIFIED CLAY CONFORMING WITH BS 65. MINIMUM CRUSHING STRENGTHS TO BE AS FOLLOWS: 150mm DIA 40kN/m², 300mm DIA 72kN/m².		
11. ALL PIPEWORK 375mm DIA. OR GREATER TO BE CONCRETE CLASS 120. 640mm MINIMUM CRUSHING STRENGTH.		
12. THE CHAMBER SIZE OF MANHOLES WITH MORE THAN ONE CONNECTION IN THEM MAY NEED TO BE INCREASED AN INCREMENT TO ACCOMMODATE THE CONNECTIONS AND BEINGS NOT TO ACCEPT TYPE 'C' BRICK MANHOLES AND 1050mm DIA. MANHOLE RINGS. INSTEAD IT IS PREFERRED THAT YOU USE A TYPE 'B' MANHOLE WITH 1200mm DIA. OR 1500mm DIA. MANHOLE RINGS WITH THE OPENING SIGHTED OVER THE CHANNEL WHERE DEPTH OF COVER TO PIPE SCOTCH IS 1.15m.		
13. ALL NEWWORK AND MATERIAL TO CONFORM WITH SQA1 YORKSHIRE SPECIFICATION.		
14. ALL NEWWORK AND MATERIAL TO BE D400 OR GREATER WITH EDWARDS STANDARD BS EN 124. THOSE SIGHTED IN ACCESSWAYS AND MENS COURTS MUST BE SUITABLE FOR USE IN PEDESTRIAN AREAS.		
15. ALL NEWWORK AND MATERIAL TO BE D400 OR GREATER WITH EDWARDS STANDARD BS EN 124. THOSE SIGHTED IN ACCESSWAYS AND MENS COURTS MUST BE SUITABLE FOR USE IN PEDESTRIAN AREAS.		
16. SLOUGH RESISTANT PRECAST (C20/22), AND PRECAST CONCRETE PRODUCTS MUST BE USED OR A LABORATORY REPORT PROVIDED PROVING THAT SUCH PRECASTS ARE NOT NECESSARY.		

Rev H, Road 1B layout & construction spec amended
Rev G, Existing carriageway spec amended to suit revised road levels
Rev F, Proposed details approved by BMBC. Preliminary issue removed.
Rev E, Fence details added to key
Rev D, Proposed grassed banking info added to suit BMBC comments dated 01.11.16
Rev C, No 93's Vehicle crossing indicated. Subbase thickness increased to suit BMBC 28.09.16 HH
Rev B, station added to suit latest planning layout
Rev A, Amended to suit BMBC comments dated 02.06.16

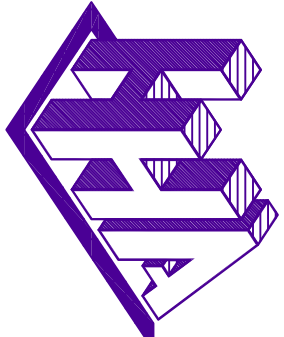
27.07.17 HH
16.06.17 HH
31.01.17 HH
08.11.16 HH
07.11.16 HH

Client
BARRATT DAVID WILSON HOMES

Project
LOW BARUGH

Detail
PROPOSED JUNCTION SURFACE TREATMENT PLAN
(located near Millers Inn, Deearne Hall Road)

Dwn Ckcd Date Scale Dwg No.
HH HH Oct-15 1:250 @A1 E14/6120/033-04H



Haigh Huddleston & Associates
Civil Structural Engineering Consultants

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KEY:

- NEW CARRIAGEWAY
- CONSTRUCTION TYPE 3
- NEW BLOCK PAVED HARD STANDING AREA & HARD MARGIN TO ROAD 1B
- EXISTING FOOTWAY PAVED 400mm AND 68PSV
- RECONSTRUCTED TO PROPOSED LEVELS WITH 68PSV
- EXISTING CARRIAGEWAY PAVED MIN 400mm AND 68PSV, RECONSTRUCTED DEPTHS VARIES TO SUIT PROPOSED ROAD LEVELS. REFER TO DWG NO. E14/6120/033-05 FOR NEW ROAD LEVELS.
- EXISTING CARRIAGEWAY PAVED MIN 400mm AND 68PSV, RECONSTRUCTED DEPTHS VARIES TO SUIT PROPOSED ROAD LEVELS.
- RECONSTRUCTED TO PROPOSED LEVELS WITH 68PSV
- NEW FOOTWAY
- TOPSOIL AND GRASS/PLANTING
- TACTILE PAVING
- VEHICULAR CROSSING
- POST & RAIL FENCING TO REAR OF PLATEAU WHERE EMBANKMENT IS GREATER THAN 1m HIGH
- CARRIAGEWAY TYPE 3 CONSTRUCTION
- 400mm OF 0.10mm SMA 50 PEN SURFACE COURSE HISTONE 68PSV TO SOUTH YORKSHIRE LABORATORY SPEC. NO. 41
- 500mm OF 0.20mm DBM 125 PEN BINDER COURSE HISTONE TO BS 4987-1:CLAUSE 6.5
- 180mm OF 0.32 DBM 125 PEN BASE LUSTONE TO BS 4987-1:CLAUSE 5.2
- (TRAFFIC SURVEY RECD TO REDUCE BASE COURSE THICKNESS)
- 390mm OF TYPE 1 STONE SUB-BASE/HIGHWAY WORKS TO CLAUSE 803 BASED ON GR RESULT OF 2%.
- FOOTPATH (125mm UPSTAND)
- 25mm OF 0.6mm DBM 190 PEN SURFACE COURSE LUSTONE TO BS 4987-1:CLAUSE 7.5
- 55mm OF 0.20mm DBM 190 PEN BINDER COURSE LUSTONE TO BS 4987-1:CLAUSE 6.5
- 150mm TYPE 1 SUB-BASE. HIGHWAY'S WORKS CLAUSE 803
- VEHICULAR CROSSING (25mm UPSTAND)
- 25mm OF 0.6mm DBM 190 PEN SURFACE COURSE LUSTONE TO BS 4987-1:CLAUSE 7.5
- 100mm OF 0.20mm DBM 190 PEN BINDER COURSE LUSTONE TO BS 4987-1:CLAUSE 6.5
- 150mm TYPE 1 SUB-BASE. HIGHWAY'S WORKS CLAUSE 803
- HARD MARGIN (125mm UPSTAND)
- 50mm COURSES OF 60mm THICK 'PENCIL EDGE' PAVING BLOCKS IN CHARCOAL
- 35mm THICK NATURALLY OCCURRING SILICA SAND BED
- 150mm THICK ST4 CONCRETE BASE
- PAVED HARD STANDING AREA
- 60mm THICK PENCIL EDGE PAVING BLOCKS IN CHARCOAL LAID IN 45deg HERRINGBONE PATTERN
- 35mm THICK NATURALLY OCCURRING SILICA SAND BED
- 150mm TYPE 1 SUB-BASE. HIGHWAY'S WORKS CLAUSE 803

REFER TO HHA DRAWING NUMBER E14/6120/033-08 FOR DETAILED CONSTRUCTION SPECIFICATION

NOTE: ANY DEFECTS WHICH BECOME APPARENT FOLLOWING PLANNING OFF OF THE WEARING COURSE SHALL REQUIRE REMEDIATION SUBJECT TO THE AGREEMENT OF THE HIGHWAYS OFFICER