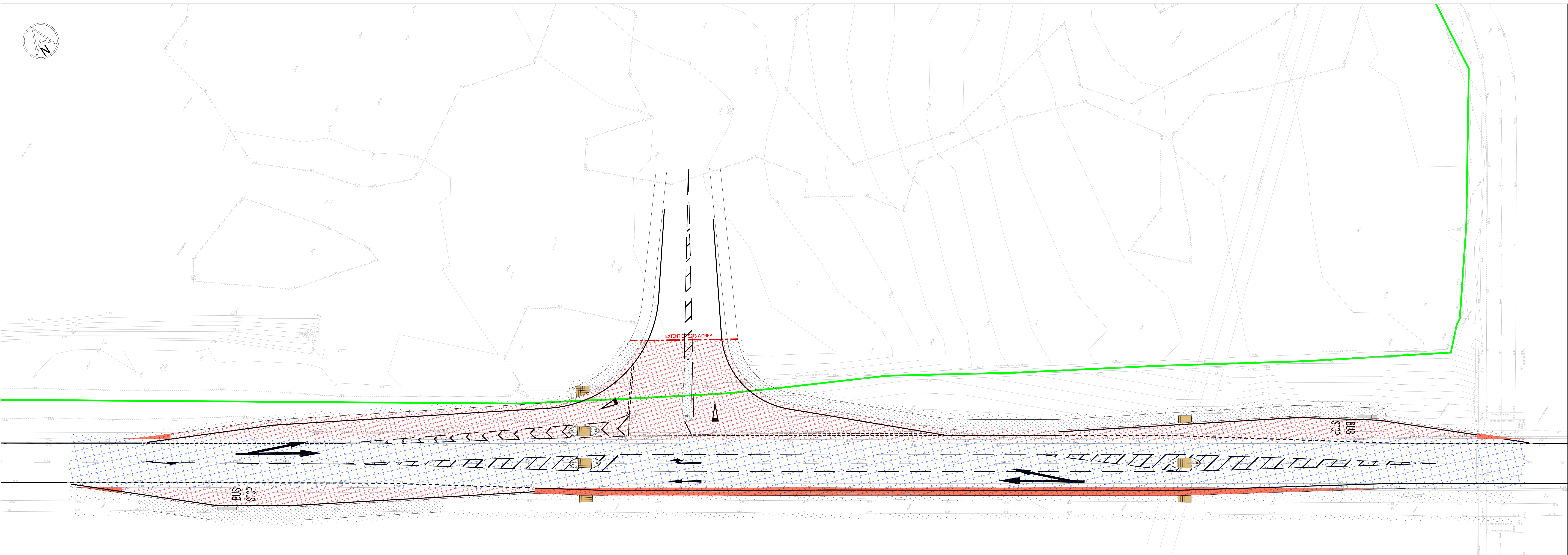




FULL DEPTH CARRIAGEWAY CONSTRUCTION -

50mm - SURFACE COURSE

HRA 30/14 F SURF 40/60 WITH APPLIED CHIPPINGS.

BUS LAYBY TO HAVE A 60PSV AND BE DIESEL RESISTANT

70mm - BINDER COURSE

20mm NOM SIZE DBM

200mm - BASE COURSE

40mm NOM SIZE DBM LAID IN TWO LAYERS

470mm - SUB-BASE

TYPE 1 SUB-BASE TO COMPLY WITH SPECIFICATION FOR HIGHWAY WORKS CLAUSE 803.

NOTE:

SUB-BASE AND CAPPING REQUIREMENT TO BE DETERMINED FOLLOWING ON SITE CBR TESTING AS AGREED BY BMBC

CARRIAGEWAY RESURFACING AND REGULATING -

MILLING OF 50mm EXISTING SURFACE COURSE AND REPLACE WITH:

50mm - SURFACE COURSE

HRA 30/14 F SURF 40/60 WITH APPLIED CHIPPINGS.

70mm - BINDER COURSE

20mm NOM SIZE DBM

DEPTH VARIES - BASE COURSE - REGULATION

0/202mm DBM 125 PEN BASE L1STONE TO BS 4987-1 CLAUSE 7.9.

FULL DEPTH CARRIAGEWAY CONSTRUCTION IN WIDTHS OF LESS THAN 1m -

50mm - SURFACE COURSE

HRA 30/14 F SURF 40/60 WITH APPLIED CHIPPINGS.

70mm - BINDER COURSE

20mm NOM SIZE DBM

125mm - BASE COURSE

0/202mm DBM 125 PEN BASE L1STONE TO BS 4987-1 CLAUSE 7.9.

450mm - ST4 CONCRETE

FULL DEPTH FOOTWAY/ISLAND CONSTRUCTION

25mm - SURFACE COURSE

0/6mm DBM 190 PEN SURFACE COURSE L1STONE TO BS4978-1 CLAUSE 7.5.

55mm - BINDER COURSE

0/20mm DBM 190 PEN BINDER COURSE L1STONE TO BS4987-1 CLAUSE 6.5.

150mm - SUB-BASE

TYPE 1 SUB-BASE TO COMPLY WITH SPECIFICATION FOR HIGHWAY WORKS CLAUSE 803.

GRASS VERGE

150mm TOP SOIL AND SEED

PAVING UNITS

450x450x50mm DIMPLE CONCRETE PAVING SLABS (BUFF)

BEDDING:

50mm (COMPACTED) SAND AS SPECIFIED IN BS 6717 P1.3

SUB BASE

150mm TYPE 1 TO SHW 803

BUS STOP PAVING UNITS

900x600x50mm BARFACED CONCRETE PAVING SLABS (GREY)

BEDDING:

50mm (COMPACTED) SAND AS SPECIFIED IN BS 6717 P1.3

SUB BASE

150mm TYPE 1 TO SHW 803

DESIGN NOTES

1. REINSTATEMENTS NARROWER THAN 1m SHALL BE BACKFILLED WITH CONCRETE.

2. ALL ASPHALT LAYERS SHALL BE BONDED WITH A BOND COAT

3. ALL SURFACES SHALL BE MECHANICALLY SWEEP TO ENSURE THEY ARE FREE FROM LOOSE MATERIAL.

4. ALL JOINTS IN EXISTING ASPHALT SHALL BE SAW CUT.

GENERAL NOTES

1. THE TOPOGRAPHICAL SURVEY IS BASED ON INFORMATION PROVIDED FROM FIRST POINT SURVEY TO DRAWING IN. BEYOND THE INFORMATION USED IN PREPARATION OF THIS AND ALL THE CONTRACTOR TO VERIFY ALL SURVEY INFORMATION PROVIDED AND REPORT ANY DISCREPANCIES TO THE CLIENT.

2. ALL DESIGN AND WORKS TO COMPLY WITH CURRENT VERSION OF THE FOLLOWING:

- DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)
- SPECIFICATION FOR HIGHWAY WORKS (SHW)
- BARNESLEY COUNCIL DESIGN GUIDE AND SPECIFICATION

3. UNCONFINED EXISTING TRENCHES, FOUNDATIONS, WALLS, STREET LIGHTING, CULVERTS AND OTHER PHYSICAL FEATURES TO BE AGREED WITH THE AREA OF WORKS.

4. ALL FENCING SHALL BE TAKEN UP AND REMOVED FROM SITE AND SHALL BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS CLAUSE 2018 AND SUITABLY REPAIRED.

5. BOUNDARY FENCING SHALL BE PROVIDED SUBJECT TO AGREEMENT WITH BARNESLEY COUNCIL AND LANDSCAPING REQUIREMENTS.

6. ALL BROWWORK WITHIN EXTENT OF WORKS TO BE LOWERED / RAISED AS REQUIRED.

7. SITE ELEVATIONS AND SPACING SHALL BE DETERMINED BY THE CONTRACTOR TO BE SUITABLE FOR THE WORKS TO BE UNDERTAKEN AND WHERE NECESSARY TO BE CONFIRMED WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF THE WORKS AND CONFORM WITH ALL LOCAL AUTHORITY REQUIREMENTS.

8. ALL PROPOSED ROAD MARKINGS TO BE IN ACCORDANCE WITH THE FOLLOWING:

- TRAFFIC SIGNS REGULATIONS AND SIGNING CODE (TSSRD)
- TRAFFIC SIGN MANUALS CHAPTER 5 - ROAD MARKINGS

9. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

- DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)
- SPECIFICATION FOR HIGHWAY WORKS (SHW)
- LOCAL AUTHORITY DESIGN GUIDE AND SPECIFICATION

10. KERB RADIUS WHERE LESS THAN 12m SHALL BE TRUE RADIUS KERBS

GENERAL SAFETY NOTES:

1. WHERE THE BASE ROAD BASE/HAS BEEN USED AS A TEMPORARY RUNNING SURFACE DURING THE CONTRACT IT SHALL BE THOROUGHLY CLEANED AND POWER WASHED AS NECESSARY AFTER STOPPING AND IMMEDIATELY BEFORE THE BINDER COURSE IS LAID A THICK COAT OF BITUMEN EMULSION CLASS 4-HS OR K-40 TO BEAPPLIED SHALL BE APPLIED AT A RATE OF 0.25-0.30LTS/MSQ.

2. ALL EXISTING KERBS WITH A RADIUS OF 15m OR LESS SHALL BE FORMED WITH PROPRIETARY RADIUS KERBS.

HEALTH & SAFETY:

1. CONTRACTOR SHOULD BE AWARE OF GENERAL CONSTRUCTION RISKS TO PREVENT SLIPS, TRIPS AND FALLS AND TAKE NECESSARY PRECAUTIONS WITHOUT SPECIAL INSTRUCTION.

2. ROADS & DRAINAGE

3. CONTRACTOR TO PROVIDE TRENCH SUPPORTS AS APPROPRIATE AND ENSURE THAT PLANT REMAINS A SAFE DISTANCE FROM TRENCHES PRIOR TO INSTALLING DRAINAGE.

4. THE TIME THAT EXCAVATIONS ARE OPEN ON SITE SHOULD BE KEPT TO A MINIMUM AND ALL TRENCHES SHOULD BE SURROUNDED BY A BARRIER.

5. CONNECTIONS TO EXISTING SERVICES TO BE MADE BY APPROVED CONTRACTOR ONLY.

6. CONTRACTOR TO MARK OPERATING RANGE OF ASSOCIATED DAMAGES TO HEALTH SUCH AS EXISTING SERVICES (WELL DISEASE) AND RECOMMENDED PRECAUTIONS. ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING TO BE PROVIDED AS REQUIRED.

7. UNFINISHED MANHOLES MUST BE COVERED WITH LOAD BEARING MATERIALS AND SURROUNDED WITH BARRIER.

PIERS & CABLES

1. CONTRACTOR TO OBTAIN ALL SERVICE RECORDS PRIOR TO WORKS COMMENCING.

2. SERVICE RECORDS TO BE REFERRED TO PRIOR TO WORK COMMENCING CONTRACTOR TO PROCEED WITH CAUTION AND SERVICES TO BE LOCATED BY HAND DIG AND PROTECTED ACCORDINGLY.

EXCAVATIONS

1. CONTRACTOR TO ENSURE RELEVANT MEASURES ARE TAKEN TO KEEP PLANT AND PEOPLE A SAFE DISTANCE FROM STEEP SLOPES DURING THE WORKS.

2. CONTRACTOR TO ENSURE THAT PROCEDURES ARE IN PLACE TO KEEP PEOPLE A SAFE DISTANCE FROM WORKING PLANT WHERE NECESSARY.

3. CONTRACTOR TO REFER TO GEOTECHNICAL INVESTIGATION REPORT FOR CONTAMINATION TESTS AND TO PROVIDE ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING AS REQUIRED.

DESIGN NOTES

1. PROPOSED LEVELS HAVE BEEN BASED ON THE EXISTING TOPOGRAPHICAL SURVEY BY MIDLAND SURVEYING & ENGINEERING DRAWING DEP. H016084008-01 (DATED 21.07.2017).

2. ALL WORKS TO COMPLY WITH CURRENT EDITION OF THE FOLLOWING DOCUMENTS:

- DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)
- SPECIFICATION FOR HIGHWAY WORKS (SHW)
- LOCAL AUTHORITY DESIGN GUIDE AND SPECIFICATION

3. PRIOR TO COMMENCING WORKS THE CONTRACTOR SHOULD INVESTIGATE AND LOCATE AS NECESSARY ANY EXISTING UNDERGROUND EQUIPMENT WITHIN THE WORK ACCESS AND DISCUSS REQUIREMENTS FOR LOWERING/VERSION AND PROTECTION WITH THE RELEVANT UNDERTAKER.

4. ALL WORKS WITHIN THE PUBLIC HIGHWAY TO MEET LOCAL AUTHORITY REQUIREMENTS. CONTRACTOR TO APPLY FOR ROAD OPENING NOTICES ETC AS REQUIRED.

5. CBR VALUE NOT AVAILABLE. ROAD CONSTRUCTION DETAIL SUBJECT TO CONFIRMATION OF CBR VALUES. CONTRACTOR TO AVOID OR LAB TESTS TO BE UNDERTAKEN IN AGREEMENT WITH LOCAL AUTHORITY HIGHWAY ENGINEER PRIOR TO WORKS COMMENCING.

6. SLOPES GREATER THAN 1 IN 4 MAY REQUIRE STABILISATION. GEOTECHNICAL ENGINEER TO BE CONTACTED TO CONFIRM REQUIREMENTS.

SUBJECT TO LOCAL HIGHWAY AUTHORITY APPROVAL					
PRELIMINARY					
16.11.2021	UPDATED TO ACCORD WITH DESIGN PARAMETER REVIEW	RPB	AMF	2	
07.11.2021	FIRST ISSUE	AD	AMF	1	
Date	Revised	Drawn	Checked	Rev	
Drawn					
NORTH EAST 0191 266682					
YORKSHIRE 0113 3320360					
Client HARWORTH					
Project HOUGHTON MAIN BARNESLEY					
Title SECTION 278 WORKS TO PARK SPRING ROAD SURFACING ARRANGEMENT					
DO NOT SCALE	Scale @ A3: 1:200	Drawn	AD	Checked	AMF
Job No	Y21011	Drawn	D1005	Rev	2