GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE FROM THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.

1:250 0 5m 10m 15m 20m 25m
1:1 0 10 20 30 40 50 60 70 80 90 100

N

LANGSETT ROAD NORTH

S278 BELLMOUTH JUNCTION DESIGN TO 40mph MAIN ROAD SHOWN IS SUBJECT TO FULL AGREEMENT WITH SCC FOR RADII, SWEPT PATHS & KERBING/ CROSSING FACILITIES FOR PEDESTRIANS. BASED UPON APPROVED PLANNING DRAWING 15/215/TR/003 IN CONDITIONS 5 & 13.

EXISTING GULLIES TO BE REMOVED

S278
TWO POSSIBLE ADDITIONAL GULLIES TO CONNECT TO EXISTING HIGHWAY DRAINAGE AS PART OF S278 DESIGN WORKS. ALL TO SCC HIGHWAYS APPROVAL

FOOTWAY TO BE MAX 1:20 FOR DDA COMPLIANCE

NOTIONAL S38/278 DEMARCATION TO BE AGREED WITH SHEFFIELD CITY COUNCIL

2m WIDE SERVICE ZONE STRIP

POSSIBLE V R S BARRIER (IF REQUIRED) EXTENT TO BE AGREED. SEE NOTE 9.

LIMIT OF INITIAL S38 WORKS

INDICATIVE ROUTE AND LEVELS OF FUTURE ACCESS SHOWN

PROPOSED DEDICATED S38 HIGHWAY DRAINAGE SYSTEM SHOWN IN BLUE

ROUTE OF EXISTING LIVE 11kV CABLES SUPPLIED BY OTHERS. CABLES REMAIN LIVE DURING THE WORKS

NOTE: TANK SEWER DESIGNED AND ORIFICE PLATE OR OTHER FLOW CONTROL DEVICE INSTALLED FOR 18.5l/s DISCHARGE. THIS REPRESENTS A 30% REDUCTION TO EXISTING FLOWS.

PROPOSED S38 ACCESS ROAD

PROPOSED TANK SEWER, APPROX. 40m LONG OF Ø900mm PIPE, STORAGE PROVIDED 25m³ FOR 1 IN 30 YEAR STORM, PLUS 30% CLIMATE CHANGE

NOTE:- BATTERS SHOWN ARE FOR 'DRESSING' EXISTING BATTERS TO 1 IN 3. CORE BATTERS FOR ROAD SUPPORT TO BE MIN 1 IN 2, SUBJECT TO SLOPE STABILITY CHECK.

WEST ABUTMENT ZONE APPROX. 6x12m

ORIFICE PLATE FLOW CONTROL RESTRICTING TO 18.5l/s

PROPOSED 30m SPAN VEHICLE / PEDESTRIAN / CYCLE BRIDGE.

FIXED END CLEAR SPAN 30.0m

BLUE LINE DENOTES APPROX. EXTENT OF BRIDGE PARAPETS, TYPE N1

FOR DETAILS OF VEHICLE BRIDGE STRUCTURE, SEE DRAWINGS 701/ 011/ 001 & 002 / A.I.P CONTAINED THEREIN

EAST ABUTMENT ZONE APPROX. 6x12m

NOTE: Ø150mm S38 HIGHWAY DRAIN OUTFALL TO TEMPORARY RUBBLE FILLED PIT ADJACENT PROPOSED ROAD. TO BE CONNECTED TO HOUSING DEVELOPER'S SCHEME AS PART OF FUTURE WORKS

15.0m OF CENTRE KERB (25m RADII)

1:32 GRADIENT

(100.106)

VEHICLE ACCESS TO YW COMPOUND

EXISTING GATE TO YW SITE

CH. 216

TEMPORARY RUBBLE PIT AWAY FROM HIGHWAY

LIMIT OF INITIAL S38 WORKS AND ALSO SERVICES/ DUCTS TO BE AGREED WITH SCC HIGHWAYS/ UTILITIES

KEY:

- G — **Ø375mm x 900mm DEEP TRAPPED ROAD GULLY AND APPROPRIATE GRATING TO SCC ADOPTABLE STANDARDS**
- **Ø1200mm (Ø1800mm FOR TANK SEWER) PCC RING MANHOLES WITH EN 124 CLASS D400 COVERS TO SCC ADOPTABLE STANDARD.**
- **CLAYWARE HIGHWAY CARRIER DRAIN IN TRENCH, CLASS S BED & SURROUND TO SCC ADOPTABLE STANDARD, Ø150mm UNLESS NOTED OTHERWISE.**

S38 ROAD WORKS DESIGN NOTES - ALL TO BE FINALIZED WITH SHEFFIELD CITY COUNCIL HIGHWAYS

1. Section 38 road standard for 20 mph design speed main access road to be generally 6m wide carriageway (with widening on bends as indicated) plus 2m wide footway (or 600mm margin/1400mm wide service zone where shown by exception). Minimum centreline radius to be 30m, with other curve widening and entry radii as shown.
2. 3m wide combined pedestrians/ cycleway facility to be on southern side of vehicular bridge crossing as shown.
3. Road to be constructed to SCC Highways S38 adoptable standards and finished in an asphalt surface course to their standards. Provisional construction thicknesses (assuming min formation CBR value of 2% and use of capping layer) to be:

   40mm OF 0/14mm SMA 50 PEN SURFACE COURSE H/STONE PSV 60 TO SOUTH YORKSHIRE LABORATORY SPECIFICATION No 41.
   70mm OF 0/20 DBM 125 PEN BINDER COURSE H/STONE TO BS 4987-1:CLAUSE 6.5
   120mm OF 0/32mm DBM 125 PEN BASE L/STONE TO BS 4987-1:CLAUSE 5.2
   470mm TYPE 1 SUB-BASE TO COMPLY WITH SPECIFICATION FOR HIGHWAY WORKS CLAUSE 803
   On min 2% CBR subgrade

4. Bituminous footways to be generally AC type construction, all to SCC Highways specification, on MoT Type 1 sub-base.
5. Road to have surface water drainage using trapped gullies and 150/225mm dia pipework, all as SCC Highways specification. SW drainage to outfall to the River Don.
6. Minimum footway gradients shall be 1 in 20, general centreline gradients on sloping section vary 1 in 20 to 1 in 50. Longfall on bridge and abutments is 1 in 100 min.
7. S38 road links into the S278 bellmouth junction as shown on Langsett Road North. Street lighting scheme to SCC/Amey requirements to be provided for each of these schemes, mutually compatible. Street lighting scheme to contain links to any illuminated signage agreed with SCC as part of the S38/278 agreements.
8. Embankment being formed to extend existing higher ground for the main sweep bend into the development to comply in all respects with SCC Highways spec for geotechnical fill materials and finishes, and to be generally formed to also comply with DMRB 600 and 700 series clauses. Banks to be finished in topsoil and planting so as not to impact upon a minimum critical embankment slope of 1 in 2 or 1 in 3, yet to be agreed with SCC Highways.
9. Requirement for VRS to be discussed with SCC, to be placed as precautionary impact mitigation, possibly in conjunction with 'Trief' type outer radius kerbs, to the outer radius of the entry swept bend where there will be no pedestrian movements.

Rev:	Description:	Date:	By:	Chkd:
P15	NOTES AMENDED FOLLOWING CEG COMMENTS.	14/12/17	AMB	SAB
P14	NOTES AMENDED FOLLOWING CEG/LICHFIELDS COMMENTS.	12/12/17	AMB	MK
P13	NOTES AMENDED	21/11/17	VW	MK
P12	ISSUED FOR PLANNING.	07/11/17	AMB	MK

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Status: STAGE 3 (PLANNING)

Project: COMMERCIAL ESTATES GROUP OUGHTIBRIDGE DEVELOPMENT

Drg Title: GENERAL ARRANGEMENT ACCESS ROAD AND BRIDGE - S38 DRAINAGE

Size:	Date:	Drawn By:	Designed By:	Checked By:
A1	07/11/2017	AMB	AMB	MK

Scale: 1:250

Project No: 065157 - Originator: CUR - Zone: 00 - Level: ZZ - Type: DR - Discipline: C - Category / Number: 95401 - Rev: P15

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