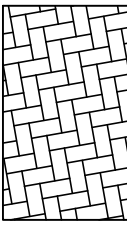


RISK ASSESSMENT: SIGNIFICANT RISKS THAT CANNOT BE DESIGNED OUT		
RISK	LEVEL OF RISK BML	SUGGESTED ACTION
DEEP EXCAVATIONS ASSOCIATED WITH NEW DRAINAGE WORKS	HIGH	ENSURE ALL EXCAVATIONS HAVE ADEQUATE TRENCH SUPPORTS
HANDLING LARGE DIAMETER MANHOLE RINGS AND CIRCULAR PIPES	HIGH	USE CORRECT LIFTING EQUIPMENT AND ENSURE OPERATIVES WEAR APPROPRIATE PROTECTIVE CLOTHINGSHARD HATS
CONTACT WITH SEWAGE	MED	OPERATIVES TO USE CORRECT BREATHING EQUIPMENTCORRECT PPE
NOISE	MED	OPERATIVES TO USE CORRECT EAR PROTECTIONCORRECT PPE
DRAINAGE EXCAVATIONS ADJACENT EXISTING BOUNDARY STRUCTURES	HIGH	ENSURE CORRECT SUPPORTS ARE PROVIDED TO TRENCHES AND BUILDINGS WHERE REQUIRED
DRAINAGE EXCAVATION IN PUBLIC HIGHWAY	HIGH	ENSURE CORRECT USE OF TRENCH SUPPORTS IN EXCAVATION AND SCREEN BARRIERS TO PROTECT MEMBERS OF THE PUBLIC
MAINTAIN ACCESS TO ADJACENT PROPERTIES AND OCCUPIERS	HIGH	ENSURE WORKS ARE PROTECTED WITH BARRIERS AND SIGNS TO GUIDE THE PUBLIC AWAY FROM THE WORKS
DRAINAGE EXCAVATIONS NEAR TO EXISTING SERVICES	HIGH	ENSURE WORKS ARE PROTECTED WITH BARRIERS AND SIGNS TO GUIDE MEMBERS OF THE PUBLIC AWAY FROM THE AREA
DRAINAGE EXCAVATIONS BENEATH EXISTING OVERHEAD POWER LINES	HIGH	ENSURE ALL PLANT IS SELECTED OR MODIFIED SO THAT IT CANNOT REACH THE LINES CONTRACTORS TO COMPLY WITH GUIDANCE NOTE G56 AVOIDANCE OF DANGER FROM OVERHEAD POWER LINES
WORKING IN CONFINED SPACES, WORKING IN DRAINS AND MANHOLES	HIGH	CONFINED SPACES WORKING TRAINED PERSONNEL ONLY TO CARRY OUT WORKS UNDER A PERMIT TO WORK SCHEME IMPLEMENTED BY CONTRACTOR GAS TESTING TO TAKE PLACE BEFORE ALL ENTRIES TO CONFINED SPACES
WORKING IN HIGHWAYS / RISKS FROM VEHICLE AND PLANT	HIGH	ALL WORKS TO BE SIGNED AND FENCED FROM NORMAL VEHICULAR TRAFFIC ALL WORKERS TO WEAR HIGH VISIBILITY CLOTHING ALL PLANT TO HAVE VISUAL AND AUDIBLE WARNING SYSTEMS
ROAD AND DRAINAGE CONSTRUCTION	HIGH	ALL EXCAVATIONS TO BE ADEQUATELY FENCED OFF AND SUPPORTED DURING CONSTRUCTION ALL OPERATIVES TO BE TRAINED IN CORRECT METHODS OF LIFTING AND WORK IN ACCORDANCE WITH LAYER PRESS
IT IS ASSUMED THAT WORKS ASSOCIATED WITH THIS DESIGN WILL BE UNDERTAKEN BY A PERSON OR PERSONS WHO ARE COMPETANT AND HAVE THE REQUIRED LEVEL OF EXPERIENCE AND EXPERTISE		

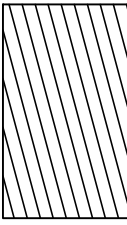
PAVEMENTS KEY



Shared Surface Construction / Ramp

80mm Surface Course - 100x200x80 Tegular Concrete block paving - Brindle or similar
35mm Sand Bed - Brindle or similar approved
50mm Binder Course - 0/20 dense dense binder course
AC.20 dense bin 100/150
340mm Base Course - Type 1 Granular Fill Material (CI 803)
250mm Capping Layer - 6F2 capping layer

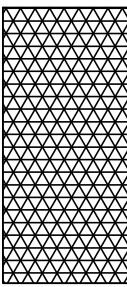
* Assumed CBR value of 2.5% to be confirmed on site



Carriageway Construction

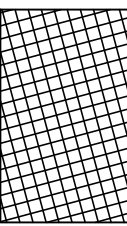
30mm Surface Course - 0/10mm CG 125 Pen H/Stone to BS 4987-1: Clause 7.4
50mm Binder Course - 0/20mm DBM 125 Pen H/Stone to BS 4987-1: Clause 6.5
90mm Base Course - 0/32mm DBM 125 Pen L/Stone to BS 4987-1: Clause 5.2
*440mm Sub-Base - Type 1 to comply with Specification for Highway Works Clause 803

*Thickness dependent on the CBR results



Shared Surface Footway Construction

80mm Surface Course - 100x200x80 Tegular Concrete block paving - Brindle or similar
35mm Sand Bed - Brindle or similar approved
55mm Binder Course - 0/20mm DBM 125 Pen H/Stone to BS 4987-1: Clause 6.5
85mm Base Course - 0/32mm DBM 125 Pen L/Stone to BS 4987-1: Clause 5.2



Footway Construction

25mm Surface Course - 0/6mm DBM 190 Pen L/STONE to BS 4987-1: Clause 7.5
55mm Binder Course - 0/20mm DBM 190 Pen L/Stone to BS 4987-1: Clause 6.5 (100mm binder under vehicle crossings)
150mm Sub-base - Type 1 to comply with Highway Works Cl. 803



Hard Margin Construction

Surface Course - 100x200x80mm concrete blocks
35mm Binder Course - 1:3 cement mortar bed
150mm Base Course - ST4 concrete race



Ramp To Shared Surface

- See TYPICAL HIGHWAY DETAILS drawing 11444-013 for construction details

Note: See TYPICAL HIGHWAY DETAILS Drawing Number 11444-013 for Standard Highway Details

F	Amendments following Council comments received 21/02/22	WW	24.02.22	PJM
E	Amendments following Council comments received 26/07/21	LOB	03.08.21	PJM
D	Updated as per latest BMBC comments	NJB	21.06.21	PJM
C	S278/38 limits amended and details updated	NJB	21.09.20	PJM
B	Site layout updated	NJB	28.07.20	PJM
A	S38 - S278 work extents boundary amended	NJB	16.04.20	PJM

Rev	Amendment	Drawn	Date	Checked
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PRELIMINARY
DRAWING

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associates
(consulting engineers) ltd
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Client
YGI LTD

Project Title
STUD FARM, BARNSELEY
LAND OFF SPRING LANE, CARLTON

Drawing Title
S38 PAVEMENTS PLAN

Scale	1:250	Drawn By	NJB
Drawing Size	A1	Checked By	PJM
Date	27.03.20	Approved By	PJM

Drawing Number	11444-012	Rev	F
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