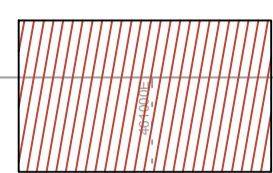


EXISTING IMPERMEABLE AREAS & DISCHARGE RATE SUMMARY



EXISTING IMPERMEABLE AREA (ROOF)
 ALL ROOF AREAS POSITIVELY DRAINED
 TOTAL AREA = 3635m²
 IN HECTARES = 3635 / 10000 = 0.364ha



EXISTING IMPERMEABLE AREA (EXTERNAL)
 PUBLIC HIGHWAY (PIPER LANE) NOT INCLUDED,
 GRAVEL TRACKS NOT INCLUDED
 TOTAL AREA (AS SHOWN) = 5240m²
 AS POSITIVE DRAINAGE HAS NOT BEEN PROVEN
 FROM ALL EXTERNAL AREAS, IT IS ASSUMED
 THAT HALF OF THE IMPERMEABLE AREAS ARE
 DRAINED POSITIVELY, THEREFORE
 TOTAL IMPERMEABLE AREA = 5240 / 2 = 2620m²
 IN HECTARES = 2620 / 10000 = 0.262ha

EXISTING DISCHARGE FROM
 CALCULATED USING MODIFIED RATIONAL
 METHOD FOR 50mm RAINFALL
 DISCHARGE = 2.78 x (0.364 + 0.262)ha x
 50mm = 87.0l/s



EAST BARN CAR PARK
62 NO SPACES IN TOTAL
 17 No for East Barns guests
 3 No for Manor House guests
 42 No for Bareca guests
 (includes 4 No accessible spaces)

66 No for Bareca guests
 29 No for Manor House guests
 8 No for West Barns guests
 18 No for Cottages guests
 6 No for pod guests
 6 No for Cottages guests
 (includes 4 No accessible spaces)
 4 No Horse Box spaces

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- Do not scale dimensions from this drawing in either paper or electronic format.
- To be read in conjunction with all relevant Engineer's, Architect's and Other drawings and specifications.
- All building products to be used in strict accordance with the manufacturer's recommendations.
- Any discrepancies are to be reported to the Engineer immediately.
- Main Contractor to provide a detailed method statement for all works prior to commencement on site.

Design Risk		Mitigation / Residual Risk
#	Hazard/Risk	Mitigation / Residual Risk
1	XXX (Risk-High)	XXX (Risk-Low)
2	XXX (Risk-High)	XXX (Risk-Low)
3	XXX (Risk-High)	XXX (Risk-Low)
4	XXX (Risk-High)	XXX (Risk-Low)
5	XXX (Risk-High)	XXX (Risk-Low)

Issue	Date	Drawn	Description	AK	Chk'd
01	08.03.21	NA	INITIAL ISSUE		AK



Met Engineers Ltd
 Southgate House
 Pontefract Road
 Stourton, Leeds
 West Yorkshire
 LS10 1SW
 Tel: 0113 200 8900
 Fax: 0113 200 8901
 email: admin@metengineers.com
 www.metengineers.com

Client
Welbeck Estates Company Ltd (Sheffield)

Project
Manor Fram, Carburton

Title
Existing / Proposed Impermeable Areas & Discharge Rates

Drawn	NA	Checked	AK	Scale
Date	Mar '21	Date	Mar '21	1:500
Status	Information			Original Size
				A1
Drawing No	Version			
P20-00134-MET-M2-C-001				01