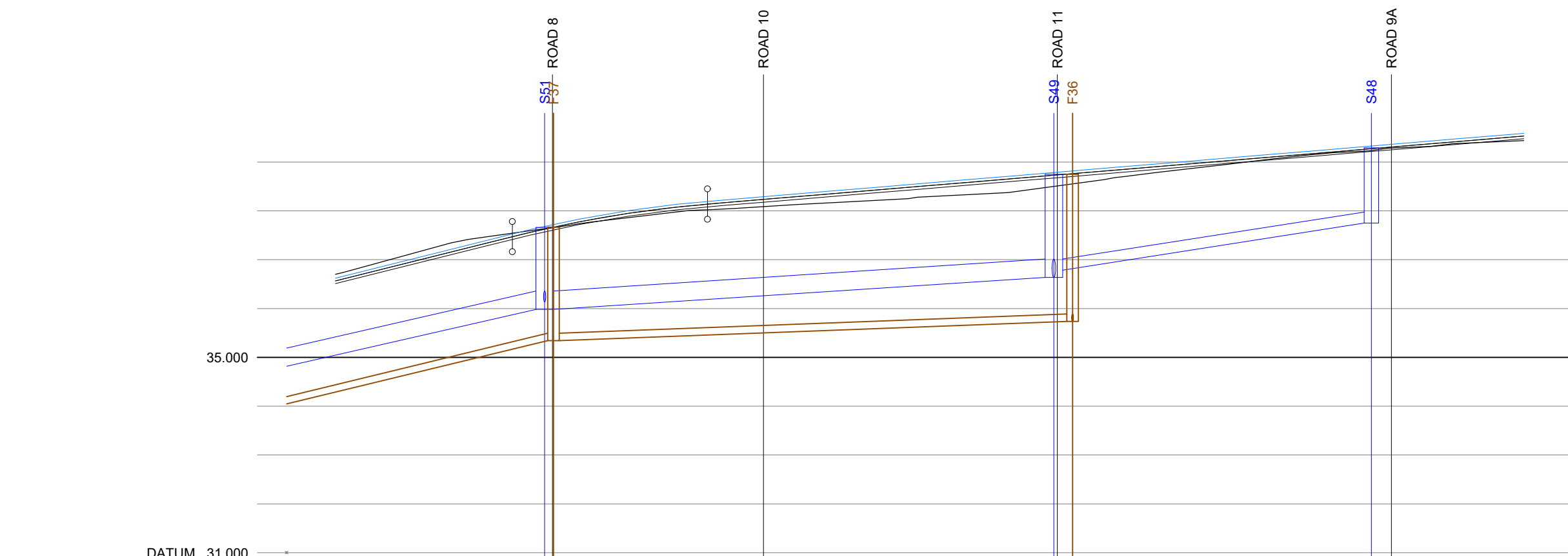


IF IN DOUBT - ASK



CHAINAGE	0.000
EXISTING GROUND LEVEL	36.660
ALIGNMENT LEVEL	36.660
VERTICAL ALIGNMENT	G= 5.000% 1: 20.0
HORIZONTAL ALIGNMENT	L= 20.000 KP= 4.00000
LEFT HAND CHANNEL	36.660
CENTRE LINE	36.660
RIGHT HAND CHANNEL	36.660
STORMWATER COVER LEVEL	37.660
STORMWATER INVERT	Pipe 6.005 Dia 375 CONC 1 in 25 48.705
FOULWATER COVER LEVEL	37.660
FOULWATER INVERT	Pipe 6.005 Dia 375 ESVC 1 in 25 49.410

ALL PIPES TO HAVE CLASS 'S' BED SURROUND WHERE COVER EXCEEDS 1.2m. WHERE COVER IS LESS THAN 1.2m, CONCRETE BED AND SURROUND TO BE USED

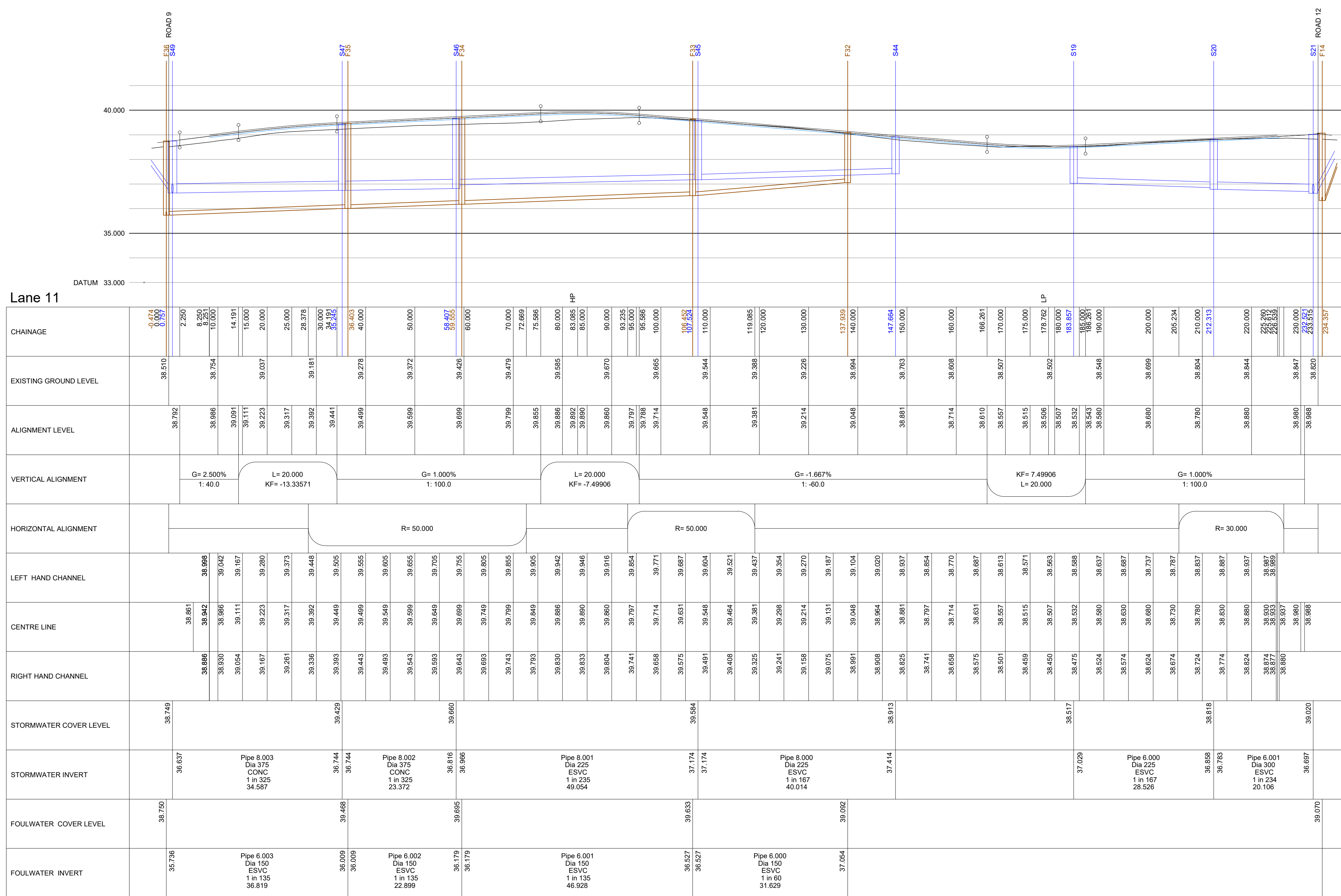
CHAINAGE	0.000
EXISTING GROUND LEVEL	39.265
ALIGNMENT LEVEL	39.265
VERTICAL ALIGNMENT	G= -2.500% 1: 40.0
HORIZONTAL ALIGNMENT	R= 37.850
LEFT HAND CHANNEL	39.133
CENTRE LINE	39.133
RIGHT HAND CHANNEL	39.133
STORMWATER COVER LEVEL	39.265
STORMWATER INVERT	Pipe 6.004 Dia 375 CONC 1 in 25 52.655
FOULWATER COVER LEVEL	39.265
FOULWATER INVERT	Pipe 6.004 Dia 375 ESVC 1 in 25 53.213

CHAINAGE	0.000
EXISTING GROUND LEVEL	36.068
ALIGNMENT LEVEL	36.170
VERTICAL ALIGNMENT	G= -5.000% 1: 20.0
HORIZONTAL ALIGNMENT	
LEFT HAND CHANNEL	36.068
CENTRE LINE	36.068
RIGHT HAND CHANNEL	36.068
STORMWATER COVER LEVEL	36.068
STORMWATER INVERT	Pipe 6.000 Dia 375 CONC 1 in 25 52.655
FOULWATER COVER LEVEL	36.068
FOULWATER INVERT	Pipe 6.000 Dia 375 ESVC 1 in 25 53.213

ALL PIPES TO HAVE CLASS 'S' BED SURROUND WHERE COVER EXCEEDS 1.2m. WHERE COVER IS LESS THAN 1.2m, CONCRETE BED AND SURROUND TO BE USED

CHAINAGE	0.000
EXISTING GROUND LEVEL	36.234
ALIGNMENT LEVEL	36.234
VERTICAL ALIGNMENT	G= -5.000% 1: 20.0
HORIZONTAL ALIGNMENT	
LEFT HAND CHANNEL	36.234
CENTRE LINE	36.234
RIGHT HAND CHANNEL	36.234
STORMWATER COVER LEVEL	36.234
STORMWATER INVERT	Pipe 6.000 Dia 375 CONC 1 in 25 52.655
FOULWATER COVER LEVEL	36.234
FOULWATER INVERT	Pipe 6.000 Dia 375 ESVC 1 in 25 53.213

ALL PIPES TO HAVE CLASS 'S' BED SURROUND WHERE COVER EXCEEDS 1.2m. WHERE COVER IS LESS THAN 1.2m, CONCRETE BED AND SURROUND TO BE USED



ALL PIPES TO HAVE CLASS 'S' BED SURROUND WHERE COVER EXCEEDS 1.2m. WHERE COVER IS LESS THAN 1.2m, CONCRETE BED AND SURROUND TO BE USED

Notes

This drawing is to be read in conjunction with the construction (design and management) regulations 2015.

- This drawing is to be read in conjunction with:- Lees Roxburgh drawing series S28, architects and designers drawings and details.
- Construction details to be in accordance with Knowsley Council's design guide.
- The contractor shall comply with the following:-
 - All operations should be carried out in accordance with the general health and safety policy of Bloor Homes Ltd and all relevant health and safety legislation.
 - The local authority and service companies are to be notified prior to commencement of work on site.
 - Prior to construction the actual positions and depths of services likely to be affected by the works should be established by means of hand dig in close liaison with the service companies. The contractor shall immediately advise Lees Roxburgh of any services exposed which may affect the design.
 - The location and depth of any services/apparatus shown is approximate only and has been based on plans received from the statutory undertakers.
 - Lees Roxburgh Ltd do not accept any responsibility for the position and/or depth of services/apparatus.
 - The contractor must contact the relevant statutory undertakers and be in possession of the latest available drawings from the statutory undertakers which show details of their services/apparatus.
- All gravity sewerage works to be in accordance with "Sewers for Adoption" 6th Edition and United Utilities standard details. Pump station to be designed to "Sewers for Adoption" 7th Edition and United Utilities standard details.
- Lees Roxburgh's appointment is restricted to the design of the permanent civil/structural works only and have no site role. The contractor is thus entirely responsible for compliance with the Health and Safety at Work Act. They shall be specifically responsible for all temporary works and for the stability of the affected land and structures.
- For legal site boundary see deeds plans in possession of client.
- All dimensions shown are in metres unless indicated otherwise.

PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR MUST CONFIRM THE PRELIMINARY INVERT LEVEL AND PIPE DIAMETER OF THE EXISTING DRAINAGE SYSTEM AND MUST IMMEDIATELY ADVISE LEES ROXBURGH OF ANY VARIATION TO THAT UPON WHICH THE DESIGN HAS BEEN BASED.

THE DETAILS PROVIDED ON THIS DRAWING ARE SUBJECT TO COMMENT BY ALL THE RELEVANT APPROVING AUTHORITIES. UNTIL SUCH TIME AS ALL COMMENTS HAVE BEEN RECEIVED AND INCORPORATED ONTO THE DRAWINGS, ALL THE INFORMATION PROVIDED AND ASSOCIATED COSTINGS, ARE USED AT BLOOR HOMES RISK AND NO LIABILITY WILL BE ACCEPTED BY LEES ROXBURGH LTD.

H Phase 2 redesigned to revised layout CB 23.12.22
G Updated to amended design. NL 17.05.22
F Amended design details added. NL 14.01.22
E Title amended to 'Phase 2' NL 24.03.21
D Updated sections to suit updated layout & drainage design. CB 22.10.20
C Updated sections to suit updated layout & drainage design. DW 07.01.20
B Mf's S38 - S43 invert levels amended. DW 03.12.18
A Updated sections to suit updated layout & drainage design. DW 21.11.18

Rev	Revision	By	Date
-----	----------	----	------

BLOOR HOMES

Halsnead Garden Village
Whiston

Phase 2
Longitudinal Sections
Sheet 5 of 8

Lees Roxburgh
Consulting Engineers
The Genesis Centre
Science Park South
Birtchwood
Warrington
WA3 7BH
01925 812898
office@leesroxburgh.co.uk
www.leesroxburgh.co.uk

Job No.	Drawing No.	Revision
6238	02-04-5	H
Scale 1:1,500, V1 100%AD Date April 2018		
Drawn By	Designed By	Checked By
DW	DW	CB