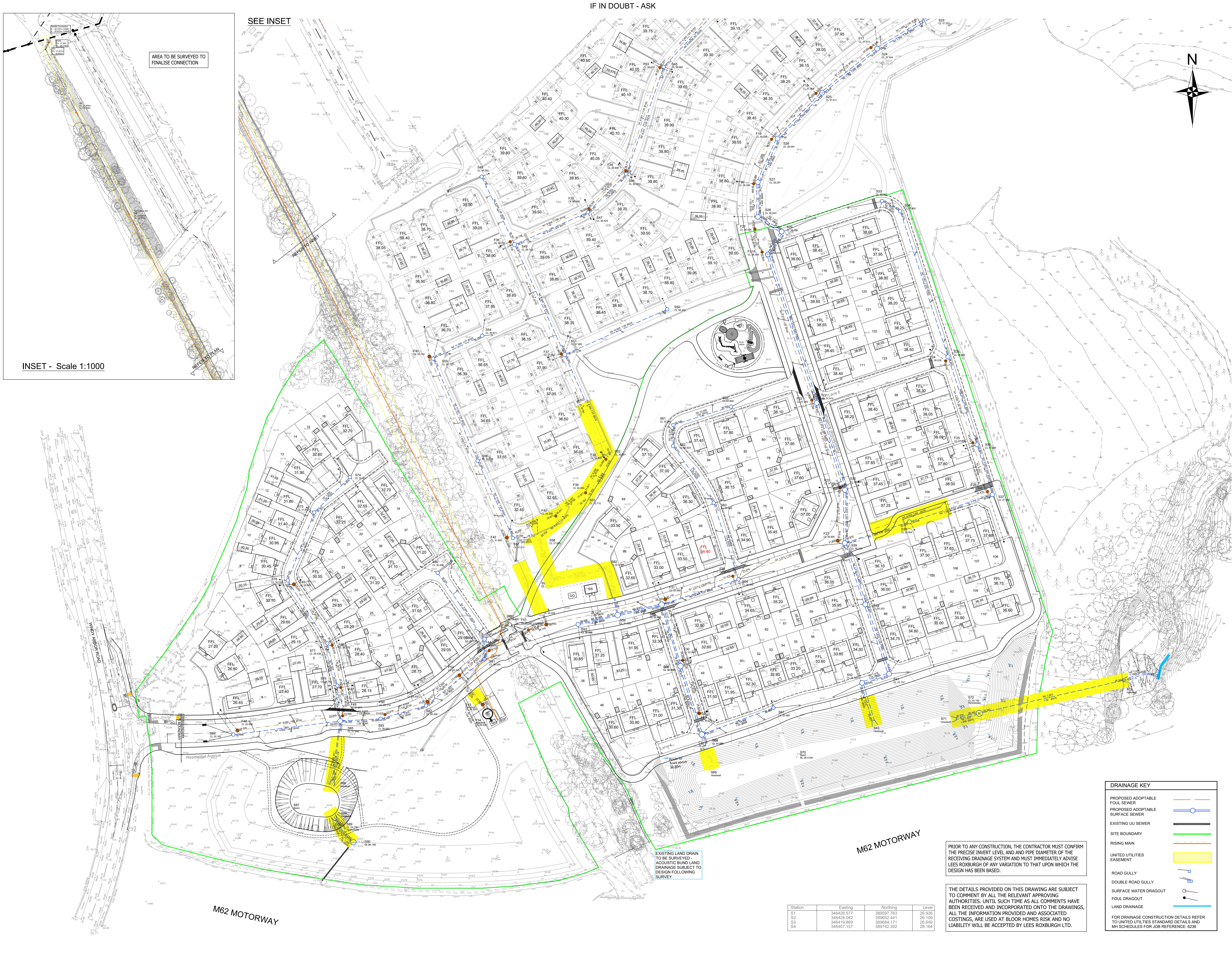




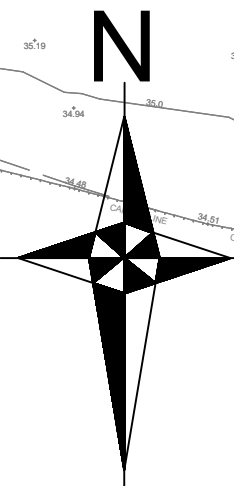
AREA TO BE SURVEYED TO
FINALISE CONNECTION

SEE INSET

REFER TO PLAN

INSET - Scale 1:1000

IF IN DOUBT - ASK



- Notes**
- This drawing is to be read in conjunction with the construction (design and management) regulations 2015.
 - Construction details to be in accordance with:
a. The local authority and service companies are to be notified prior to commencement of work on site.
b. 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.
c. The location and depth of any services/apparatus shown is approximate only and has been based on plans received from the statutory undertakers.
d. Lees Roxburgh Ltd do not accept any responsibility for the accuracy of this or any other drawings which indicate the position and/or depth of services/apparatus.
e. The contractor must contact the relevant statutory undertakers and be in possession of the latest available drawings from the statutory undertakers which shows 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.

AE	Revised to show latest FFL's	AN	01.03.23
AD	Easement next to plot 66 amended.	NL	27.01.23
AG	Phase 2 redesign to revised layout	CB	23.12.22
AB	Eastern basin outfall updated. Foul outfall updated	CB	09.08.22
AA	Eastern basin design updated	CB	26.07.22
Z	Saddle connection now shown at foul outfall	NL	18.05.22
Y	Swale added for S73 outfall.	CB	17.05.22
X	Updated layout added & Dragouts & Gully's amended.	NL	13.05.22
W	Headwall S73 moved	CB	05.04.22
V	Manhole F55 cover level amended.	NL	18.03.22
U	Amended design details added.	NL	14.01.22
T	Manhole details for F57 amended.	NL	09.11.21
S	Easement hatch amended	CB	12.07.21
R	West basin updated	CB	24.06.21
Q	Land drainage added & swale added for S73 outfall.	NL	25.03.21
P	Pump station details amended. Pipe size's between manholes F44, F52 & F53 updated to 2250 & F54 CL updated.	NL	02.02.21
N	Foul Manholes P23 & F46 location amended.	NL	27.01.21
M	Side fall to roads 1A,5,6,7,7A amended	CB	14.12.20
L	Dragouts amended	CB	29.10.20
K	Drainage amended to suit the updated layout.	CB	22.10.20
J	Easement to Big Water extended.	DW	15.05.20
H	Boundary amended to suit S104 comments.	DW	17.04.20
G	Boundary amended to only show Phase 1	DW	09.04.20
F	Rising main termination manhole and gravity run added.	DW	04.03.20
E	Drainage amended to suit the updated layout. Road 1A added	DW	19.02.20
D	Rising main updated.	DW	28.01.20
C	Drainage amended to suit the updated layout.	DW	07.01.20
B	Manhole sizes amended to suit 1-20 manhole schedules & MH 38 - 44 invert levels amended.	DW	03.12.18
A	Drainage amended to suit updated layout.	DW	21.11.18

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



Halshead Garden Village
Whiston

Adoptable Drainage
Layout
Sheet 1 of 2

Lees Roxburgh
Consulting Engineers
The Genesis Centre
Science Park South
Birchwood
Warrington
WA5 7BH
01925 812898
office@leesroxburgh.co.uk
www.leesroxburgh.co.uk

Job No.	Drawing No.	Revision.
6238	02-03-1	AE
Scale 1:500/AD	Date April 2018	
Drawn By	Designed By	Checked By
DW	DW	CB

DRAINAGE KEY	
PROPOSED ADOPTABLE FOUL SEWER	
PROPOSED ADOPTABLE SURFACE SEWER	
EXISTING UU SEWER	
SITE BOUNDARY	
RISING MAIN	
UNITED UTILITIES EASEMENT	
ROAD GULLY	
DOUBLE ROAD GULLY	
SURFACE WATER DRAUGHT	
FOUL DRAUGHT	
LAND DRAINAGE	

PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR MUST CONFIRM THE PRECISE INVERT LEVEL AND AND PIPE DIAMETER OF THE RECEIVING 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 INTO 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.

Station	Easting	Northing	Level
S1	346426.577	389597.763	26.926
S2	346428.002	389602.441	26.109
S3	346419.869	389584.171	26.649
S4	346407.157	389742.392	28.164