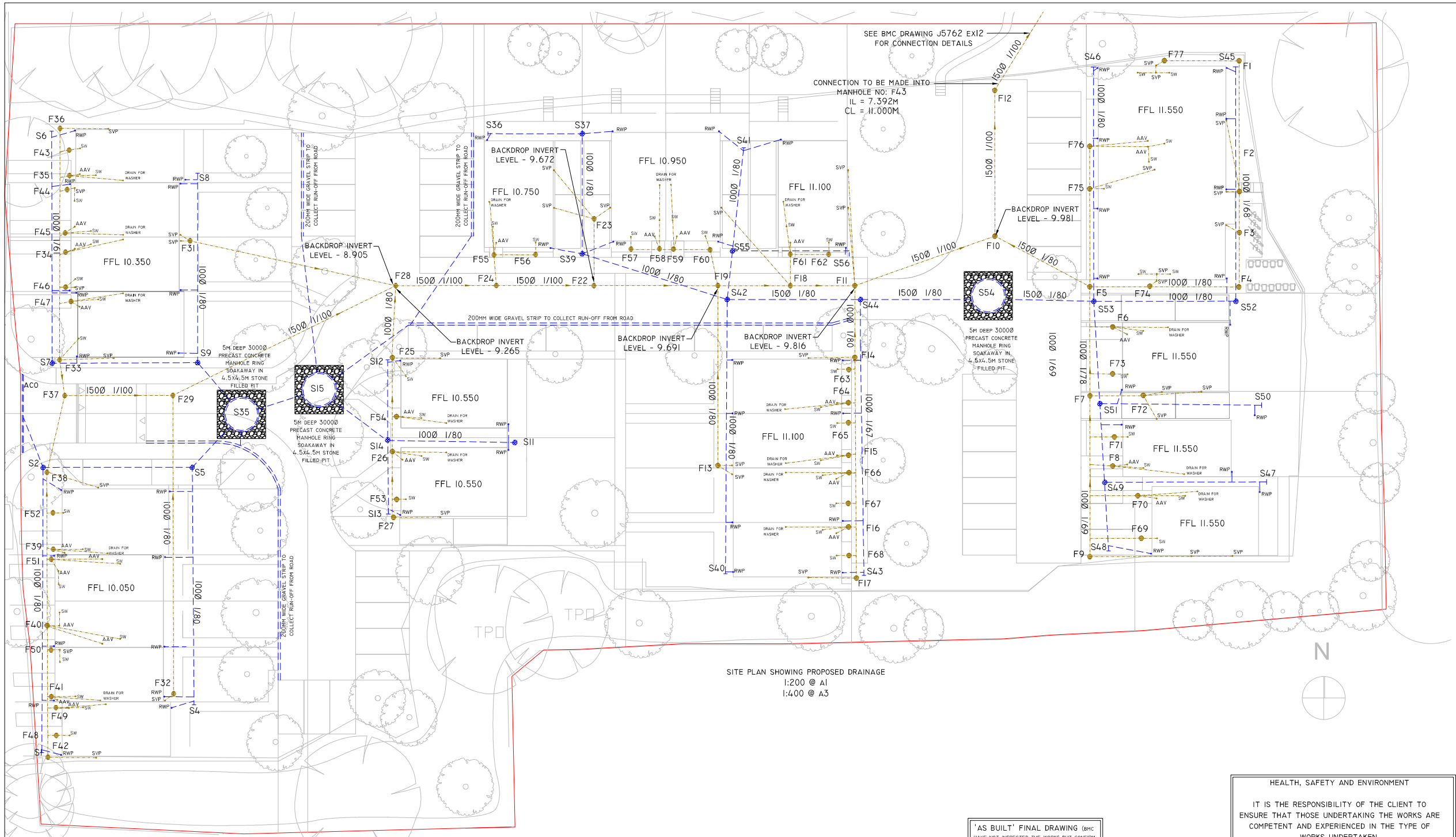


SITE PLAN SHOWING PROPOSED DRAINAGE
1:200 @ A1
1:400 @ A3

MH No.	MANHOLE DIAMETER (mm)	COVER LEVEL (m)	INVERT LEVEL (m)
S1	R.E	9.902	9.450
S2	450	9.947	9.116
S4	R.E	10.042	9.217
S5	450	10.102	8.943
S6	R.E	10.253	9.800
S7	450	9.850	9.525
S8	R.E	10.288	9.583
S9	450	10.185	9.367
S10	R.E	10.449	10.000
S11	450	10.422	9.929
S12	450	10.420	9.950
S13	R.E	10.459	10.000
S14	450	10.519	9.784
S15	3000	10.247	5.741
S35	3000	10.081	5.581
S36	R.E	10.690	10.230
S37	450	10.700	10.124
S39	450	10.830	9.981
S40	R.E	10.962	10.512
S41	R.E	10.861	10.410
S42	450	10.768	9.805
S43	R.E	11.095	10.693
S44	450	10.923	9.650
S45	R.E	11.400	10.945
S46	R.E	11.400	10.778
S47	R.E	11.400	10.950
S48	R.E	11.518	11.068
S49	450	11.497	10.800
S52	450	11.481	10.673
S53	450	11.250	10.508
S54	3000	11.083	6.083
S55	450	11.020	9.857
S56	RE	10.990	9.982
F1	450	11.400	10.830
F2	450	11.400	10.670
F3	450	11.400	10.620
F4	450	11.400	10.545
F5	450	11.240	10.105
F6	450	11.400	10.850
F7	450	11.300	10.235
F8	450	11.450	10.311
F9	450	11.425	10.450
F10	450	11.140	7.877
F11	450	10.946	8.017
F12	450	11.288	7.742
F13	450	10.950	9.900
F14	450	10.950	9.900
F15	450	10.950	10.450
F16	450	10.950	10.450
F17	450	10.950	10.200
F18	450	10.871	8.077
F19	450	10.789	8.142
F22	450	10.647	8.258
F23	450	10.740	9.750
F24	450	10.420	9.850
F25	450	10.420	9.350
F26	450	10.400	9.950
F27	450	10.400	10.050
F28	450	10.395	8.443
F29	450	10.013	8.639
F31	450	10.250	9.150
F32	450	9.971	9.022
F33	450	10.250	9.100
F34	450	10.250	9.750
F35	450	10.250	9.750
F36	450	10.250	9.500
F37	450	9.524	8.891
F38	450	9.947	9.150
F39	450	9.900	9.350
F40	450	9.900	9.350
F41	450	9.900	9.350
F42	450	9.900	9.725
F43	450	10.250	9.750
F44	450	10.250	9.750
F45	450	10.250	9.750
F46	450	10.250	9.750
F47	450	10.250	9.730
F48	450	9.900	9.350
F49	450	9.900	9.350
F50	450	9.900	9.350
F51	450	9.900	9.350
F52	450	9.900	9.350
F53	450	10.400	10.000
F54	450	10.400	9.900
F55	450	10.600	10.150
F56	450	10.600	10.200
F57	450	10.800	10.350
F58	450	10.800	10.300
F59	450	10.800	10.250
F60	450	10.800	10.200
F61	450	10.950	10.350
F62	450	10.950	10.500
F63	450	10.950	10.450
F64	450	10.950	10.450
F65	450	10.950	10.450
F66	450	10.950	10.450
F67	450	10.950	10.450
F68	450	10.950	10.450
F69	450	11.400	10.850
F70	450	11.400	10.850
F71	450	11.400	10.850
F72	450	11.400	10.850
F73	450	11.400	10.850
F74	450	11.345	10.400
F75	450	11.400	10.650
F76	450	11.400	10.850
F77	450	11.400	10.930

ACO DRAINS IN ROAD TO BE SUITABLE FOR TRAFFICKED AREA

ANY SINK WASTE OR WASHER PIPES TO BE CONNECTED INTO NEAREST AAV OR SVP STACK TO CONTRACTORS DETAILS

THRESHOLD ACO DRAINS (NOT SHOWN FOR CLARITY) TO BE CONNECTED TO NEAREST SURFACE WATER RUN

POSITION OF RWP'S, AAV'S, SVP'S ARE TO BE CONFIRMED BY THE ARCHITECT

NOTE CONTRACTOR TO ALLOW FOR REMOVAL OF EXISTING PRIVATE DRAINAGE AS REQUIRED.

'AS BUILT' FINAL DRAWING (BMC HAVE NOT INSPECTED THE WORKS BUT CONFIRM THIS IS THE FINAL DRAWING ISSUE FOLLOWING COMPLETION OF WORKS ON SITE)

THIS SCHEME IS TO BE CONSIDERED PRELIMINARY UNTIL SUCH TIME AS THE LOCAL COUNCIL (LLFA) AND EA GIVE TECHNICAL APPROVAL. ANY WORKS, OR ORDERING OF MATERIALS, PRIOR TO APPROVALS FROM THE ABOVE MENTIONED BODIES IS DONE SO AT THE CONTRACTORS RISK IN ITS ENTIRETY. BMC WILL ACCEPT NO RESPONSIBILITY FOR ANY ABORTIVE WORKS / MATERIAL COSTS.

NOTE : DRAINS THAT RUN UNDER BUILDINGS TO USE ROCKER PIPE DETAIL WHEN PASSING THROUGH MASONRY. IF PIPES PASS THROUGH CONCRETE FOUNDATIONS PROVISIONS TO BE MADE FOR 200Ø SLEEVES TO BE CAST INTO FOOTINGS TO ALLOW FOR BUILDING SETTLEMENT

SOAKAWAYS TO BE DESIGNED FOR A 1:100 YEAR + 40% ALLOWANCE FOR CLIMATE CHANGE

ALL TEMPORARY WORKS FOR CONSTRUCTION OF DRAINAGE TO CONTRACTORS DESIGN AND DETAILS

ALL DRIVES, CAR PARK AND ROAD AFTER TABLE TOP TO BE PERMEABLE PAVING. IMPERMEABLE MEMBRANE UNDER PERMEABLE PAVING REQUIRED AND ALL FALLS ON IMPERMEABLE MEMBRANE TO BE TOWARDS THE SOAKWAYS.

HEALTH, SAFETY AND ENVIRONMENT

IT IS THE RESPONSIBILITY OF THE CLIENT TO ENSURE THAT THOSE UNDERTAKING THE WORKS ARE COMPETENT AND EXPERIENCED IN THE TYPE OF WORKS UNDERTAKEN.

IN ADDITION TO THE HAZARDS USUALLY ASSOCIATED WITH THE TYPE OF WORKS DETAILED IN THIS DRAWING, THE FOLLOWING SPECIFIED HAZARDS HAVE BEEN IDENTIFIED THROUGH DESIGN RISK ASSESSMENT. THE PLANNING AND EXECUTION OF THESE WORKS SHOULD TAKE INTO ACCOUNT ALL USUAL AND SPECIFIC HAZARDS.

HAZARDS SHOULD ALSO BE TAKEN INTO ACCOUNT IN THE MAINTENANCE, OPERATION, DECOMMISSIONING AND DEMOLITION OF THE WORKS.

- LIVE SERVICES MAY BE PRESENT ON SITE
- DEEP EXCAVATIONS NECESSARY
- GROUND CONDITIONS MAY BE UNSUITABLE DURING EXCAVATION
- BELOW GROUND OBSTRUCTIONS FROM PREVIOUS BUILDINGS
- WORK IN / ADJACENT TO LIVE HIGHWAY

LAND DRAINS TO BE PROVIDED TO UNI-LOG WALLS TO SPECIALISTS DETAILS AND TO UPPER GARDENS. RUN-OFF TO BE CONNECTED TO SURFACE WATER DRAINAGE AND ULTIMATELY TO SOAKAWAYS. EXACT METHOD AND DRAWING TO BE CONFIRMED.

GENERAL NOTES:

1. THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF BELL MUNRO CONSULTING LTD. THE DRAWING MUST NOT BE REPRODUCED IN PART OR IN WHOLE WITHOUT PRIOR WRITTEN AUTHORITY.
2. THIS DRAWING MUST NOT BE SCALED BY EITHER CONTRACTORS OR OTHER CONSULTANTS ANY DIMENSIONAL OR SETTING - OUT DISCREPANCIES ARE TO BE REPORTED TO BELL MUNRO CONSULTING PRIOR TO CONSTRUCTION / FABRICATION COMMENCING.
3. THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE RELEVANT BMC SPECIFICATIONS TOGETHER WITH THE APPROPRIATE ARCHITECTS AND SERVICES CONSULTANTS DRAWINGS AND SPECIFICATIONS.
4. TEMPORARY STABILITY DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE MAIN CONTRACTOR AND SHOULD BE ASSESSED ACCORDINGLY.

DRAINAGE NOTES

1. EXACT SVP AND GULLEY LOCATIONS TO BE CONFIRMED FROM SERVICES ENGINEERS'/ARCHITECTS DRAWINGS AND DETAILS.
2. ALL NEW PIPEWORK TO BE WAVIN OSMADRAIN OR WAVIN ULTRARIB UPVC (OR SIMILAR APPROVED) UNLESS NOTED OTHERWISE.
3. PLASTIC PIPES (PVC-U)TO BE FLEXIBLY JOINTED AND COMPLY WITH THE REQUIREMENTS OF BS EN 1401-1 1998.
4. WHERE COVER TO PRIVATE PIPES IS LESS THAN 900 IN ROADS AND HARDSTANDINGS OR 400 MM ELSEWHERE, CONCRETE SURROUND IS TO BE PROVIDED IN ACCORDANCE WITH THE DETAIL (CLASS Z BEDDING).
5. ALL OTHER PIPEWORK TO BE IN CLASS S BEDDING.
6. N.B. UNTIL FINAL SERVICE IS PLACED, HEAVY TRAFFIC IS NOT TO BE ALLOWED OVER PIPE TRENCHES WITHOUT SPECIAL PRECAUTIONS.
7. PIPES AND FITTINGS ARE TO BE LAID IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
8. MANHOLE COVERS IN CAR PARKS TO BE LOAD CLASS D400 TO BS EN 124.
9. MANHOLE COVERS IN LANDSCAPED AND PAVED AREAS TO BE LOAD CLASS B125 BS EN 124.
10. MANHOLE COVERS IN PAVED AREAS TO BE RECESSED TO ACCEPT PAVING FINISH.
11. ACCESS COVERS FOR GULLIES IN KERBSIDES TO BE LOAD CLASS C250 BS EN 124.
12. ALL INTERNAL POP UPS TO HAVE RODDABLE ACCESS.
13. ANY PPIC MANHOLE DEEPER THAN 1200MM MUST BE FITTED WITH ACCESS RESTRICTOR CAP.
14. ALL EXISTING DRAINAGE TO BE CONFIRMED PRIOR TO CONSTRUCTION COMMENCING.
15. PIPEWORK PASSING THROUGH BUILDING WALLS SHALL BE FITTED WITH ROCKER PIPES AS PER STANDARD DETAIL.
16. ANY UNLABELLED FOUL BRANCH PIPEWORK TO BE 100Ø PIPEWORK AT MINIMUM 1:80 FALL.
17. ANY UNLABELLED STORM WATER BRANCH PIPEWORK TO BE 100Ø AT MINIMUM 1:80 FALL.
18. ALL RWP LOCATIONS AND NUMBERS ARE TO BE CONFIRMED BY ARCHITECT PRIOR TO COMMENCING CONSTRUCTION.

M	AS BUILT DRAWING ISSUED	29.01.20	JH
L	UPDATED FOLLOWING COMMENTS	01.04.19	JH
K	UPDATED FOLLOWING COMMENTS	21.03.19	JH
J	ADDITIONAL SVP'S ADDED	18.03.19	JH
H	UPDATED FOLLOWING COMMENTS	13.03.19	JH
G	UPDATED FOLLOWING COMMENTS	27.02.18	JH
G	SCHEME AMENDED TO FOUL PUMPING STATION	25.02.18	JH
F	LAYOUT AMENDED FOLLOWING COMMENTS	08.11.18	JH
E	TO SUIT NEW SITE LAYOUT	28.09.18	TM
D	MANHOLE SOAKAWAYS UPDATED	30.08.18	RC
C	TRADITIONAL MANHOLE SOAKAWAYS INTRODUCED	31.07.18	JH
B	POSITIVE CONNECTION TO FOUL WATER TO SEWER	07.07.18	AM
A	SITE BOUNDARY ADDED	21.06.18	SMB
-	INITIAL ISSUE	17.05.18	AM

BMC

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PROJECT: ROUNDSTONE LANE, ANGMERING

TITLE: PROPOSED PLOT DRAINAGE SCHEME

DRAWN BY:	CHECKED BY:	SCALE:	DATE:
AM	CM	AS NOTED	05.18

DRAWING NUMBER: J5762/EX01 REVISION: M

ARUN DISTRICT COUNCIL A/20/20/DOC