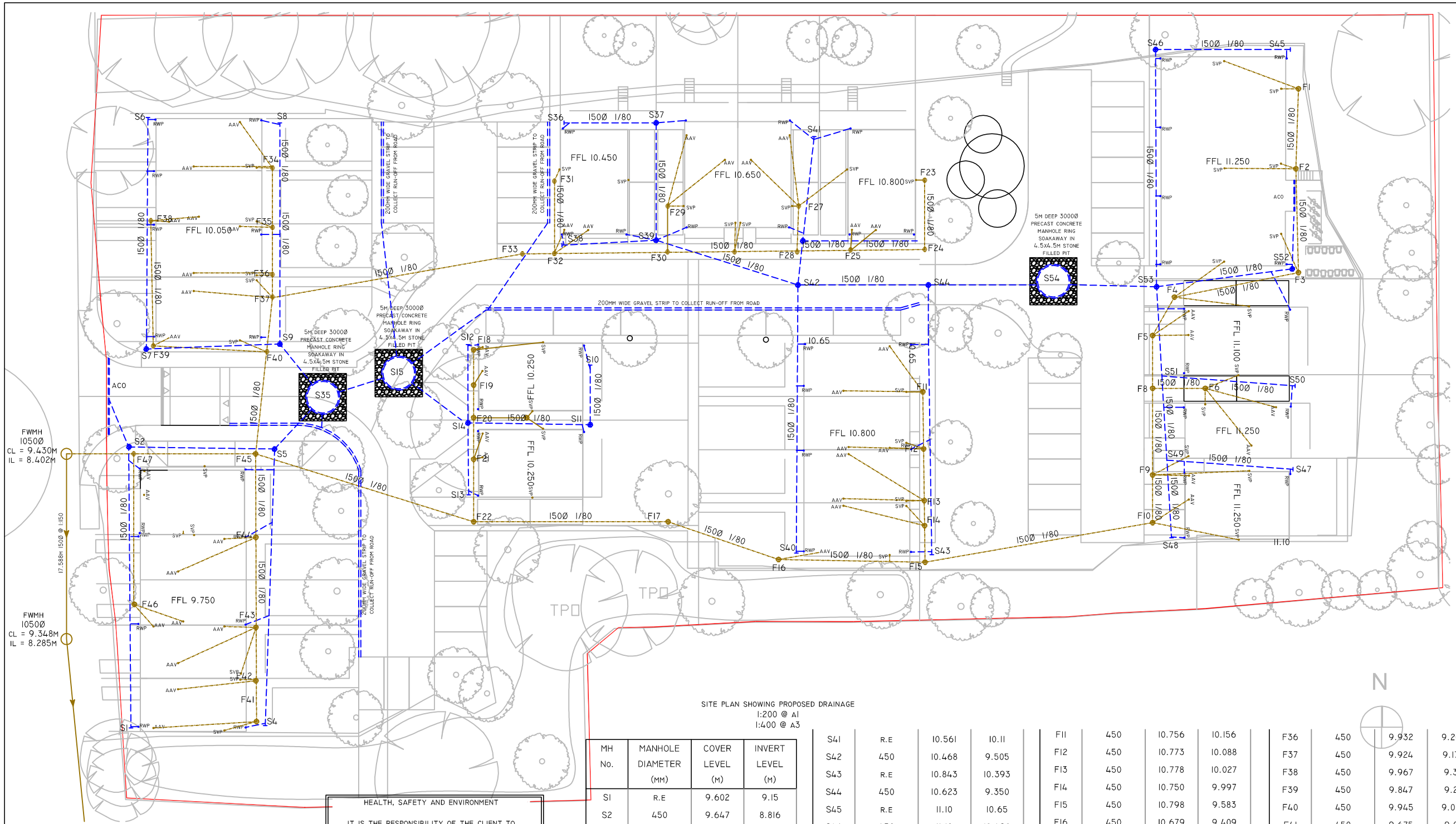


SITE PLAN SHOWING PROPOSED DRAINAGE
1:200 @ A1
1:400 @ A3

MH No.	MANHOLE DIAMETER (MM)	COVER LEVEL (M)	INVERT LEVEL (M)
S1	R.E	9.602	9.15
S2	450	9.647	8.816
S4	R.E	9.742	9.30
S5	450	9.802	8.643
S6	R.E	9.953	9.50
S7	450	9.809	9.225
S8	R.E	9.988	9.538
S9	450	9.959	9.067
S10	R.E	10.149	9.70
S11	450	10.122	9.629
S12	450	10.120	9.65
S13	R.E	10.159	9.70
S14	450	10.219	9.484
S15	3000	9.947	5.441
S35	3000	9.781	5.281
S36	R.E	10.390	9.93
S37	450	10.40	9.821
S38	450	10.407	9.957
S39	450	10.530	9.681
S40	R.E	10.662	10.212
S41	R.E	10.561	10.11
S42	450	10.468	9.505
S43	R.E	10.843	10.393
S44	450	10.623	9.350
S45	R.E	11.10	10.65
S46	450	11.10	10.490
S47	R.E	11.10	10.65
S48	R.E	11.218	10.768
S49	450	11.197	10.500
S50	R.E	10.95	10.50
S51	450	11.136	10.341
S52	450	11.181	10.731
S53	450	11.029	10.208
S54	3000	10.783	5.783
F1	450	11.10	10.50
F2	450	11.177	10.405
F3	450	11.185	10.282
F4	450	11.006	10.132
F5	450	11.075	10.079
F6	450	11.022	10.40
F8	450	11.125	10.016
F9	450	11.207	9.914
F10	450	11.253	9.857
F11	450	10.756	10.156
F12	450	10.773	10.088
F13	450	10.778	10.027
F14	450	10.750	9.997
F15	450	10.798	9.583
F16	450	10.679	9.409
F17	450	10.355	9.270
F18	450	10.134	9.50
F19	450	10.122	9.457
F20	450	10.162	9.419
F21	450	10.139	9.370
F22	450	10.278	9.039
F23	450	10.681	10.08
F24	450	10.824	9.997
F25	450	10.739	9.910
F27	450	10.520	9.92
F28	450	10.673	9.846
F29	450	10.440	9.84
F30	450	10.516	9.692
F31	450	10.311	9.70
F32	450	10.378	9.558
F33	450	10.339	9.520
F34	450	9.933	9.33
F35	450	9.929	9.258
F36	450	9.932	9.204
F37	450	9.924	9.174
F38	450	9.967	9.36
F39	450	9.847	9.211
F40	450	9.945	9.076
F41	450	9.675	9.07
F42	450	9.669	9.022
F43	450	9.664	8.958
F44	450	9.656	8.852
F45	450	9.733	8.752
F46	450	9.678	9.07
F47	450	9.633	8.608

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.

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.

NOTE THIS DRAWING IS FOR PLANNING PURPOSES ONLY AND NOT BE USED FOR PRICING PURPOSES OR CONSTRUCTION. FULL DESIGN TO BE UNDERTAKEN ONCE SCHEMATIC HAS BEEN CONFIRMED.

PLANNING

G	TO SUIT NEW SITE LAYOUT	28/09/18	TN
F	MANHOLE SOAKAWAYS UPDATED	10/08/18	GI
E	TRADITIONAL MANHOLE SOAKAWAYS INTRODUCED	31.07.18	AM
D	POSITIVE CONNECTION TO FOUL WATER TO SEWER	07.07.18	AM
C	SITE BOUNDARY ADDED	21.06.18	SPM
B	INITIAL ISSUE	17.05.18	AM

BMC

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CLIENT: SOUTHMILL LTD

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: E

ARUN DISTRICT COUNCIL A/01/18/RES