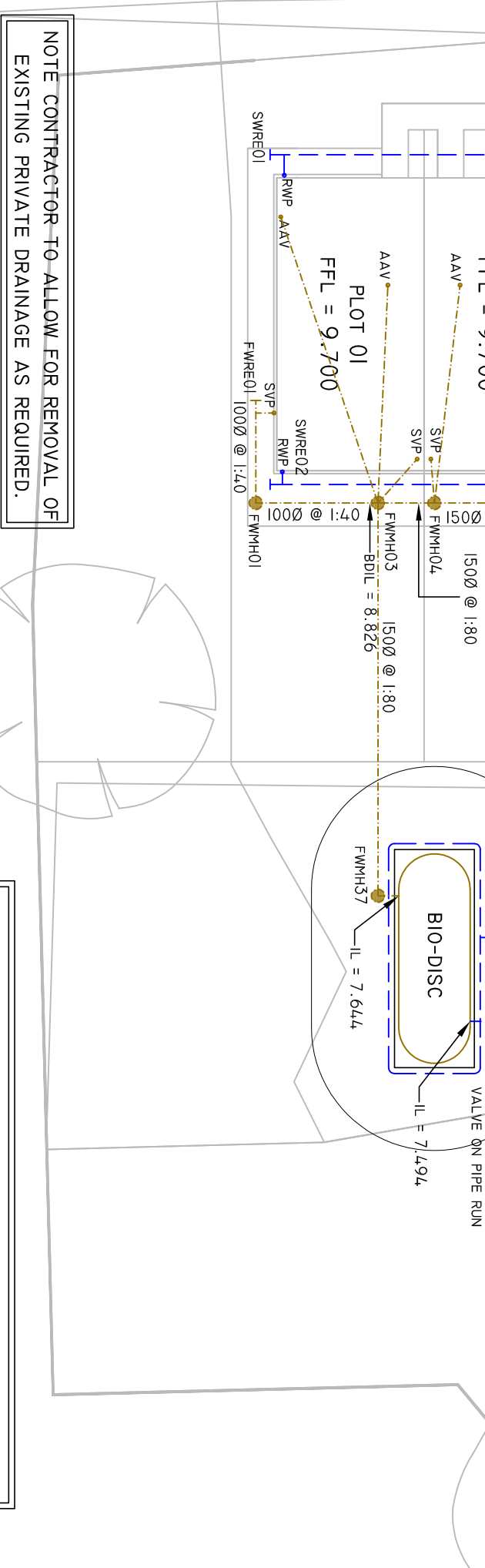
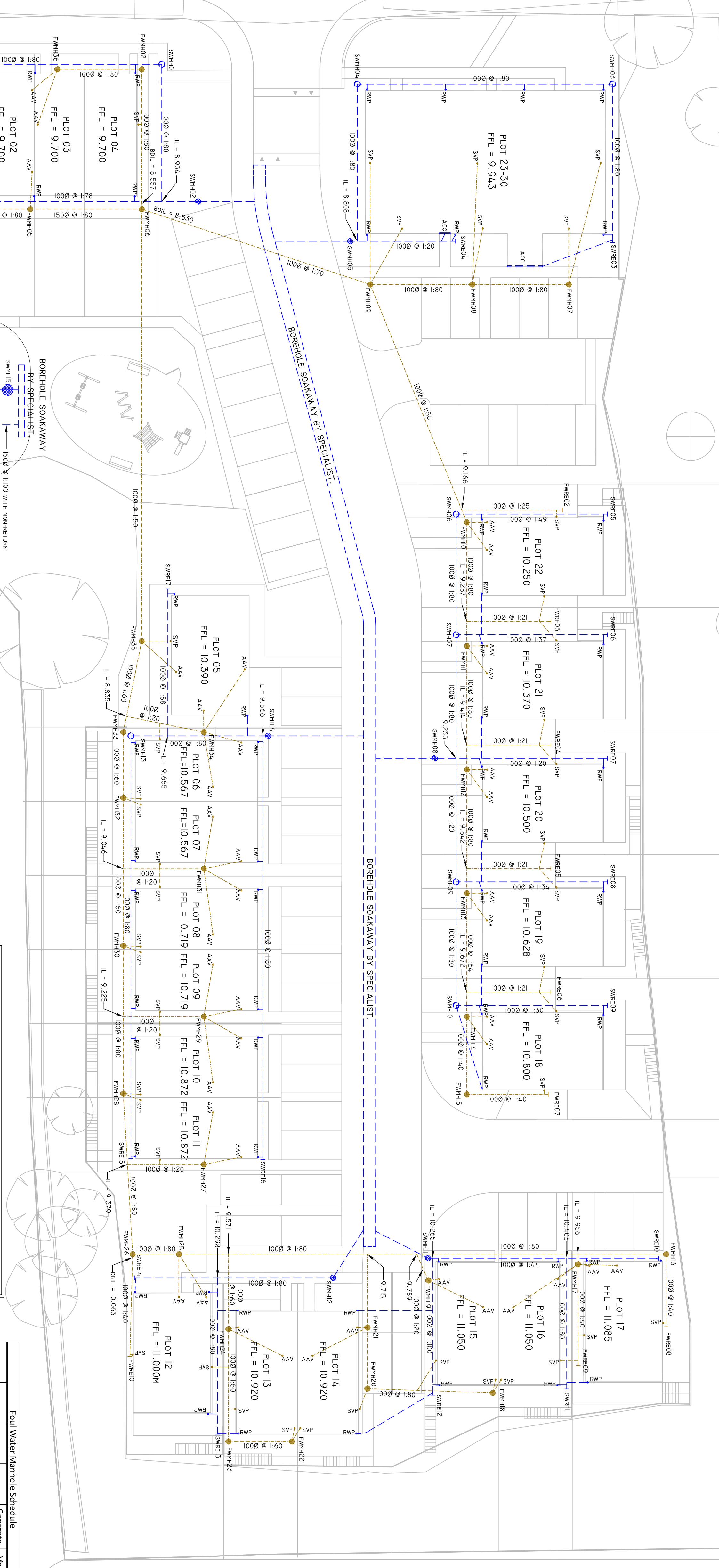
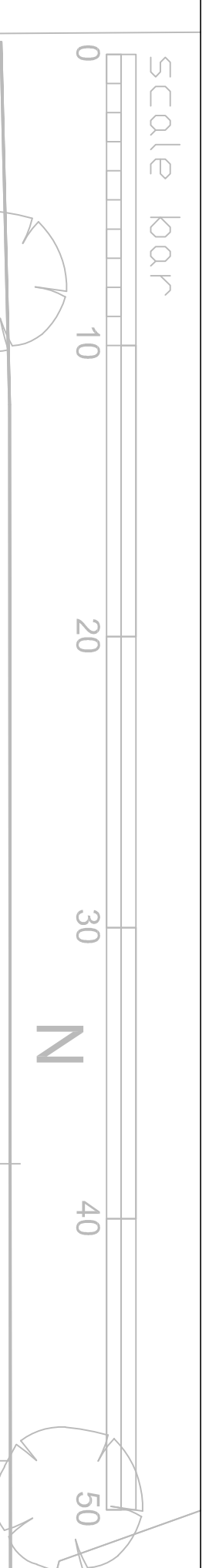




SITE PLAN SHOWING PROPOSED DRAINAGE

1:200 @ A1

1:400 @ A3

No.	CL	IL	Depth	Concrete Surround
01	9.685	9.335	0.350	No
02	9.550	9.200	0.350	No
03	9.835	9.399	0.436	No
04	9.929	9.212	0.717	No
05	10.091	9.741	0.350	No
06	10.210	9.860	0.350	No
07	10.340	9.858	0.482	No
08	10.467	10.033	0.434	No
09	10.640	10.290	0.350	No
10	11.082	10.886	0.584	No
11	10.888	10.538	0.350	No
12	10.880	10.578	0.502	No
13	10.810	10.460	0.350	No
14	10.868	10.383	0.485	No
15	10.720	10.140	0.580	No
16	10.794	10.003	0.791	No
17	10.225	9.875	0.350	No

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 DETAILLED 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

FOUL WATER MANHOLE SCHEDULE

No.	CL	IL	Depth	Concrete Surround	Manhole Type
01	9.531	8.591	0.600	No	450 PPC
02	9.690	8.702	0.988	No	450 PPC
03	9.525	7.822	1.703	No	450 PPC
04	9.525	7.847	1.678	No	450 PPC
05	9.525	7.900	1.625	No	450 PPC
06	9.531	8.015	1.516	No	450 PPC
07	9.976	9.026	0.950	Yes	450 PPC
08	9.900	8.926	0.974	Yes	450 PPC
09	9.860	8.815	1.045	No	450 PPC
10	10.088	9.185	0.903	No	450 PPC
11	10.213	9.313	0.900	No	450 PPC
12	10.341	9.441	0.900	No	450 PPC
13	10.468	9.568	0.900	No	450 PPC
14	10.604	9.704	0.900	No	450 PPC
15	10.725	9.864	0.861	No	450 PPC
16	11.078	10.024	1.054	No	450 PPC
17	11.073	9.976	1.097	No	450 PPC
18	10.985	9.985	0.900	No	450 PPC
19	10.908	9.916	0.992	No	450 PPC
20	10.833	9.885	0.978	No	450 PPC
21	10.808	9.792	1.016	No	450 PPC
22	10.755	9.916	0.839	No	450 PPC
23	10.750	9.888	0.922	No	450 PPC
24	10.980	9.674	1.206	No	450 PPC
25	10.920	9.520	1.400	No	450 PPC
26	10.619	9.472	1.347	No	450 PPC
27	10.972	9.694	1.098	No	450 PPC
28	10.666	9.557	1.068	No	450 PPC
29	10.625	9.557	1.068	No	450 PPC
30	10.543	9.152	1.391	No	450 PPC
31	10.336	9.372	0.964	No	450 PPC
32	10.391	8.988	1.443	No	450 PPC
33	10.386	8.858	1.528	No	450 PPC
34	10.417	9.161	1.256	No	450 PPC
35	10.186	8.729	1.457	No	450 PPC
36	9.690	8.790	0.900	No	450 PPC
37	8.619	7.653	0.966	No	450 PPC

FOUL WATER MANHOLE SCHEDULE

No.	CL	IL	Depth	Concrete Surround	Manhole Type
01	9.531	8.591	0.600	No	450 PPC
02	9.690	8.702	0.988	No	450 PPC
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08	9.900	8.926	0.974	Yes	450 PPC
09	9.860	8.815	1.045	No	450 PPC
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11	10.213	9.313	0.900	No	450 PPC
12	10.341	9.441	0.900	No	450 PPC
13	10.468	9.568	0.900	No	450 PPC
14	10.604	9.704	0.900	No	450 PPC
15	10.725	9.864	0.861	No	450 PPC
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30	10.543	9.152	1.391	No	450 PPC
31	10.336	9.372	0.964	No	450 PPC
32	10.391	8.988	1.443	No	450 PPC
33	10.386	8.858	1.528	No	450 PPC
34	10.417	9.161	1.256	No	450 PPC
35	10.186	8.729	1.457	No	450 PPC
36	9.690	8.790	0.900	No	450 PPC
37	8.619	7.653	0.966	No	450 PPC

PLANNING

17.05.2022

BELL MURO CONSULTING LTD

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BERARO LTD

PROPOSED PLOT DRAINAGE SCHEME

DATE: 17.05.2022

SCALE: AS NOTED

DATE: 05.18

REVISION: -

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 2000 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 DETAILS OF BIO-DISC AND SOAKAWAYS TO BE PROVIDED BY SPECIALIST DESIGNERS

SILT TRAP IN PRECAST CONCRETE MANHOLE 15 TO HAVE A 300MM SUMP

FOUL WATER RODDING EYE SCHEDULE

No.	CL	IL	Depth	Concrete Surround
01	9.570	9.019	0.551	No
02	9.966	9.496	0.500	Yes
03	10.118	9.618	0.500	Yes
04	10.246	9.746	0.500	Yes
05	10.373	9.873	0.500	Yes
06	10.501	10.001	0.500	Yes
07	10.593	10.293	0.461	Yes
08	10.935	10.174	0.761	No
09	10.937	10.186	0.751	No
10	10.875	10.275	0.600	No

FOUL WATER MANHOLE SCHEDULE

No.	CL	IL	Depth	Concrete Surround	Manhole Type	Comments if required
01	9.692	9.076	0.616	No	450 PPC	N/A
02	9.742	8.895	0.847	No	500 PPC	Silt trap manhole
03	9.835	9.235	0.600	No	450 PPC	N/A
04	9.840	8.971	0.869	No	450 PPC	N/A
05	9.793	8.778	1.015	No	500 PPC	Silt trap manhole
06	9.488	8.680	0.600	Yes	450 PPC	N/A
07	10.210	9.363	0.847	Yes	450 PPC	N/A
08	10.346	9.145	1.211	Yes	500 PPC	N/A
09	10.465	9.745	0.720	Yes	450 PPC	N/A
10	10.593	9.872	0.721	Yes	450 PPC	N/A
11	10.886	10.260	0.626	No	500 PPC	Silt trap manhole
12	10.835	10.178	0.657	No	500 PPC	Silt trap manhole
13	10.403	9.703	0.700	No	450 PPC	N/A
14	10.418	9.560	0.858	No	500 PPC	Silt trap manhole - 300mm deep sump required
15	8.794	5.549	3.245	No	Concrete	

FOUL WATER MANHOLE SCHEDULE

No.	CL	IL	Depth	Concrete Surround	Manhole Type
01	9.531	8.591	0.600	No	450 PPC
02	9.690	8.702	0.988	No	450 PPC
03	9.525	7.822	1.703	No	450 PPC
04	9.525	7.847	1.678	No	450 PPC
05	9.525	7.900	1.625	No	450 PPC
06	9.531	8.015	1.516	No	450 PPC
07	9.976	9.026	0.950	Yes	450 PPC
08	9.900	8.926	0.974	Yes	450 PPC
09	9.860	8.815	1.045	No	450 PPC
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34	10.417	9.161	1.256	No	450 PPC
35	10.186	8.729	1.457	No	450 PPC
36	9.690	8.790	0.900	No	450 PPC
37	8.619	7.653	0.966	No	450 PPC

GENERAL NOTES:

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

DRAINAGE NOTES

- EXACT SVP AND GULLEY LOCATIONS TO BE CONFIRMED FROM SERVICES ENGINEERS/ARCHITECTS DRAWINGS AND DETAILS.
- ALL NEW PREWORK TO BE WAIN OSMADRAIN OR WAIN ULTRABID UNVC (OR SIMILAR APPROVED) UNLESS NOTED OTHERWISE.
- PLASTIC PIPES (PVC-U) TO BE FLEXI V JOINTED AND COMPLY WITH THE REQUIREMENTS OF BS EN 1401-1:1998.
- 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 2 BEDDING).
- ALL OTHER PREWORK TO BE IN CLASS 5 BEDDING.
- N.B. UNTIL FINAL SERVICE IS PLACED, HEAVY TRAFFIC IS NOT TO BE ALLOWED OVER PIPE TRENCHES WITHOUT SPECIAL PRECAUTIONS.
- PIES AND FITTINGS ARE TO BE LAID IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- MANHOLE COVERS IN CAR PARKS TO BE LOAD CLASS D400 TO BS EN 124.
- MANHOLE COVERS IN LANDSCAPED AND PAVED AREAS TO BE LOAD CLASS B125 BS EN 124.
- MANHOLE COVERS IN PAVED AREAS TO BE RECESSED TO ACCEPT FINISH FINISH.
- ACCESS COVERS FOR GULLIES IN KERBSIDES TO BE LOAD CLASS C250 BS EN 124.
- ALL INTERNAL POP UPS TO HAVE RODDABLE ACCESS.
- ANY PIC MANHOLE DEEPER THAN 1200MM MUST BE FITTED WITH ACCESS RESTRICTOR CAP.
- ALL EXISTING DRAINAGE TO BE CONFIRMED PRIOR TO CONSTRUCTION COMMENCING.
- PREWORK PASSING THROUGH BUILDING WALLS SHALL BE FITTED WITH ROCKER PIPES AS PER STANDARD DETAIL.
- ANY UNLABELLED FOUL BRANCH PIPEWORK TO BE 1000 PREWORK AT MINIMUM 180 FALL.
- ANY UNLABELLED STORM WATER BRANCH PIPEWORK TO BE 1000 AT MINIMUM 1:80 FALL.
- ALL RWP LOCATIONS AND NUMBERS ARE TO BE CONFIRMED BY ARCHITECT PRIOR TO COMMENCING CONSTRUCTION.

ARUN DISTRICT COUNCIL AB103865