CATHOLIC HEALTHCARE JORDAN SPRINGS
CIVIL ENGINEERING PLANS
DEVELOPMENT APPLICATION

LOCATION PLAN
N.T.S

GENERAL NOTES

G1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH PENRITH CITY COUNCIL'S STANDARD SPECIFICATIONS AND TO THE REQUIREMENTS OF THE PCA.
G2. INSPECTIONS BY THE CIVIL ENGINEER SHALL BE CARRIED OUT AT THE FOLLOWING STAGES:
(a) PRIOR TO INSTALLATION OF EROSION AND SEDIMENT CONTROL STRUCTURES
(b) PRIOR TO BACKFILLING PIPELINES, SUBSOIL DRAINS, TRENCH BEDDING AND DAMS
(c) PRIOR TO CASTING OF PITS AND OTHER CONCRETE STRUCTURES, INCLUDING KERB AND GUTTER
(d) PROOF ROLLER TEST OF SUBGRADE AND SUB-BASE
(e) ROLLER TEST OF COMPLETED PAVEMENT PRIOR TO PLACEMENT OF WEARING COURSE
(f) FORMWORKS PRIOR TO POURING CONCRETE IN PARKING AREA FOR FOOTPATH CROSSING AND OTHER ASSOCIATED WORK
(g) PRIOR TO BACKFILLING PUBLIC UTILITY CROSSINGS IN ROAD RESERVES
(h) PRIOR TO PLACEMENT OF ASPHALTIC CONCRETE
(i) FINAL INSPECTION AFTER ALL WORKS ARE COMPLETED AND 'WORKS AS EXECUTED' PLANS HAVE BEEN SUBMITTED TO COUNCIL
G3. MAKE SMOOTH JUNCTIONS WITH EXISTING WORKS.
G4. NO WORK TO BE CARRIED OUT ON COUNCIL PROPERTY OR ADJOINING PROPERTIES WITHOUT THE WRITTEN PERMISSION FROM THE OWNER.
G5. VEHICULAR ACCESS AND ALL SERVICES TO BE MAINTAINED AT ALL TIMES TO ADJOINING PROPERTIES AFFECTED BY CONSTRUCTION.
G6. ALL RUBBISH, BUILDINGS, SHEDS AND FENCES TO BE REMOVED TO SATISFACTION OF PCA AT COMPLETION OF WORKS.
G7. A TRAFFIC CONTROL PLAN IS TO BE SUBMITTED TO COUNCIL WITH A SECTION 138 APPLICATION FOR EXTERNAL WORKS WITHIN THE ROAD RESERVE PRIOR TO COMMENCEMENT OF WORKS.
G8. ALL FILL AREAS ARE TO BE INSPECTED BY A GEOTECHNICAL ENGINEER PRIOR TO STRIPPING AND ALL RECOMMENDATIONS OF THE SALINITY REPORT ARE TO BE FOLLOWED.
G9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF THE LOCATION OF ANY EXISTING SERVICES AFFECTING THE WORKS AREA, ANY DAMAGED SERVICES SHALL BE REPAIRED AT THE CONTRACTORS COST.

EARTHWORKS NOTES

E1. EARTHWORKS TO BE CARRIED OUT TO THE SATISFACTION OF THE PCA, SITE SUPERINTENDNENT AND GEOTECHNICAL ENGINEER. UNSOUND MATERIALS ARE TO BE REMOVED FROM ROADS AND BUILDING PADFS PRIOR TO FILLING. THE CONTRACTOR IS TO ARRANGE AND MAKE AVAILABLE COMPACTION CERTIFICATES WHERE REQUIRED.
E2. WHERE THE SLOPE OF THE NATURAL SURFACE EXCEEDS ONE IN FOUR (1:4), BENCHES ARE TO BE CUT TO PREVENT SLIPPING OF THE PLACED FILL MATERIAL AS REQUIRED BY THE PCA AND GEOTECHNICAL ENGINEER.
E3. ALL BATTERS ARE TO BE SCARIFIED TO ASSIST WITH ADHESION OF TOP SOIL TO BATTER FACE.
E4. PROVIDE MINIMUM 150mm AND MAXIMUM 300mm TOPSOIL WITH GRASS SEEDING ON FOOTPATHS, FILLED AREAS AND ALL OTHER AREAS DISTURBED DURING CONSTRUCTION. WHERE AREAS ARE TO BE LEFT EXPOSED AFTER WORKS.
E5. THE CONTROL TESTING OF EARTHWORKS SHALL BE IN ACCORDANCE WITH THE GUIDELINES IN AUSTRALIAN STANDARD 3798 - 1996. WHERE IT IS PROPOSED TO USE TEST METHOD AS1289 E8.1 OR AS1289 E8.2 TO DETERMINE THE FIELD DENSITY, A SAND REPLACEMENT METHOD SHALL BE USED TO CONFIRM THE RESULTS AS DIRECTED BY PCA.
THE GEOTECHNICAL TESTING AUTHORITY SHALL HAVE A LEVEL 1 RESPONSIBILITY FOR ALL FILLING AS DEFINED IN APPENDIX B AS 3798-1996, AND AT THE END OF THE WORKS SHALL CONFIRM THE EARTHWORKS COMPLY WITH THE REQUIREMENTS OF THE SPECIFICATION AND DRAWINGS.
E6. THE CONTRACTOR SHALL CONTROL SEDIMENTATION, EROSION AND POLLUTION DURING CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE SOIL CONSERVATION SERVICES, WATER RESOURCES OF NSW AND SOIL AND WATER MANAGEMENT PLAN PART OF THIS DRAWING SET SHEETS 10 AND 11.

ROADWORKS NOTES

R1. SUBGRADE, SUB-BASE, AND BASE TO BE COMPACTED IN ACCORDANCE WITH SITEPLUS CIVIL DWG C09 AND GEO-TECHINICAL RECOMMENDATIONS SPECIFICATION.
R2. SUBSOIL DRAINS TO BE PROVIDED ON BOTH SIDES OF ROADS (EXCEPT WHERE THERE IS STORM WATER DRAINAGE).
R3. SERVICE CONDUITS TO BE PLACED AS DIRECTED BY ENDEAVOUR ENERGY, NBN CO. AND AS REQUIRED BY THE SYDNEY WATER.
R4. PROPOSED SERVICES CROSSING EXISTING ROADS SHALL BE THRUST BORED UNDER THE ROAD SO AS NOT TO DAMAGE EXISTING SURFACE.
R5. ALL ROADS ARE TO BE TEMPORARILY SEALED WITH 25mm GAP GRADED AC14, THE FINAL AC IS TO PLACED FOLLOWING CONSTRUCTION OF ADJOINING BUILDINGS.
R6. SIGNPOSTING AND LINEMARKING TO CONFORM WITH AS1742.2 RAISED RETRO- REFLECTIVE PAVEMENT MARKERS TO CONFORM WITH AS1906. ALL APRONS AND KERB FACE ON CENTRAL ISLANDS OF ROUNDABOUTS AND ALL OTHER ISLANDS SHOULD BE DELINEATED BY REFLECTIVE WHITE MARKING.
R7. ALL LEVELS ARE TO BE SET OUT FROM ESTABLISHED STATE SURVEY MARKS.

STORMWATER NOTES

S1. ALL PIPES TO BE SPIGOT AND SOCKET, RUBBER RING JOINTED.
S2. ALL LONGITUDINAL PIPELINES IN ROADS MUST BE LOCATED UNDER KERB AND GUTTER AND BE BACKFILLED WITH APPROVED GRANULAR MATERIAL UNLESS OTHERWISE APPROVED BY THE COUNCIL ENGINEER.
S3. DRAINAGE LINES MUST BE BACKFILLED WITH APPROVED GRANULAR MATERIAL IN TRAFFICABLE AREAS. THREE (3.0) METRES OF SUBSOIL DRAINAGE WRAPPED IN GEOTEXTILE STOCKING MUST BE PROVIDED TO ALL DOWNSTREAM PITS.
S4. ALL GULLY PITS TO COUNCIL'S STANDARD AND LINTELS CENTRALLY PLACED AT SAG PITS.
S5. ALL PITS MUST BE BENCHED AND STREAMLINED. PROVIDE SL72 REINFORCEMENT AND GALVANISED STEP IRONS IN ALL PITS OVER 1.2-METRES DEEP AS MEASURED FROM THE TOP OF GRATE TO THE INVERT OF THE PIT.
S6. CONCRETE IS TO HAVE MINIMUM COMPRESSIVE STRENGTH OF 32MPA AT 28-DAYS UNLESS OTHERWISE APPROVED BY THE COUNCIL ENGINEER.
S7. ALL INTERALLOTMENT DRAINAGE MUST HAVE A MINIMUM PIPE DIAMETER OF 150 MM AND A MINIMUM GRADE OF 1% UNLESS OTHERWISE APPROVED BY THE COUNCIL ENGINEER.
S8. ALL INTERALLOTMENT DRAINAGE LINES MUST BE LAID CENTRALLY WITHIN DRAINAGE EASEMENTS. INSPECTION PITS MUST BE PROVIDED AT ALL CHANGES OF GRADE AND DIRECTION.
S9. INTERALLOTMENT DRAINAGE LINES MUST BE INSTALLED AFTER SYDNEY WATER SEWERAGE LINES HAVE BEEN INSTALLED WHERE SEWER IS PROPOSED ADJACENT TO INTERALLOTMENT DRAINAGE LINES.
S10. 1% AEP OVERLAND FLOW PATHS MUST BE FORMED AND SHOWN ON "WORKS AS EXECUTED" DRAWINGS.
S11. ALL PLANS (BOTH DESIGN AND WAE) ARE TO CLEARLY DELINEATE THE EXTENT/LOCATION OF FLOOD LINES INCLUDING THE 5% AEP, 1% AEP AND PMF.
S12. ADEQUATE PROVISION IS TO BE MADE TO PREVENT SCOURING AND SEDIMENTATION FOR ALL DRAINAGE WORKS IN ACCORDANCE WITH COUNCIL'S REQUIREMENTS.
S13. PIT LINTELS ARE TO BE STENCILLED WITH APPLICABLE DISTINCTION STENCIL AVAILABLE FROM COUNCIL.
S14. CATCH DRAINS MUST BE CONSTRUCTED AS REQUIRED BY THE APPROVED PLANS OR THE PRINCIPAL CERTIFYING AUTHORITY.
S15. SOIL AND WATER MANAGEMENT PLANS ARE TO BE PREPARED FOR ALL DISTURBED SITES AND ADHERED TO AT ALL TIMES DURING THE CONSTRUCTION AND MAINTENANCE PERIODS.

Sheet List Table

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05	Bulk Earthworks Concept
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07	Road Longsections 01
08	Drainage Catchments
09	Drainage Calculations
10	Drainage Calculations & Details
11	Drainage Details
12	Retaining Wall Plan
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14	Soil & Water Management Plan
15	Soil & water Management Details

LEGEND PROPOSED

- STORMWATER PIPE
- GRATED PIT
- JUNCTION PIT
- KERB INLET PIT
- SEDIMENT FENCE
- ST — SEDIMENT TRAP
- TEMPORARY CONSTRUCTION EXIT
- +10.00 — PAVEMENT LEVEL
- CONTOURS
- CATCHMENT BOUNDARY
- EDGE STRIP
- KERB & GUTTER
- LAYBACK KERB & GUTTER
- RETAINING WALL
- SS — SUBSOIL DRAINAGE

LEGEND EXISTING

- STORMWATER LINE
- STORMWATER PIT
- W — WATER LINE
- S — SEWER LINE
- T — TELSTRA LINE
- SP — SIGNPOST
- +10.00 — EXISTING SPOT LEVEL
- EXISTING CONTOURS
- G — GAS LINE
- E — ELECTRICAL LINE

SERVICES ARE SHOWN INDICATIVE ONLY. CONTRACTOR TO CONFIRM ALL SERVICE LOCATIONS PRIOR TO CONSTRUCTION

DIMENSIONS SHALL BE NOT BE OBTAINED BY SCALING FROM THIS SET OF PLANS

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REVISIONS No.	DESCRIPTION	DRN	APP	DATE
A	PRELIMINARY CLIENT ISSUE	A.C	A.C.	26.03.19
B	REVISED LOT AND DP	A.C	A.C	15.05.19

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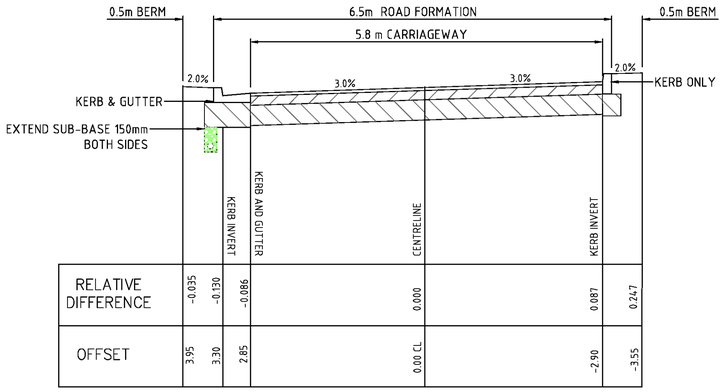
Height Datum: A.H.D
Drawn: A.C
Designed: A.C
Checked: A.C.
Approved: A.C.

Client Title: CATHOLIC HEALTHCARE
Dwg Status: APPROVAL
Local Authority: PENRITH

Dwg Title: JORDAN SPRINGS 'NURSING HOME'
LOT 2 DP1248137
JORDAN SPRINGS BOULEVARD
TITLE PAGE

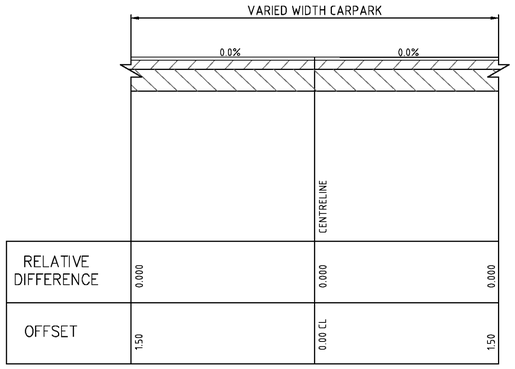
Ref & Dwg No: 18125.DA.C01
Sheet No: Sheet 01 of 14
Scale: NOT TO SCALE
Date: 08.06/18
Rev: B
A1



DELIVERY TURNING HEAD
TYPICAL CROSS SECTION
SCALE 1:50

PAVEMENT DETAILS CATEGORY B ROADS:-
50mm AC10 ASPHALT
WITH 10mm FLUSH SEAL
CONCRETE KERB AND GUTTER
BOTH SIDES
150mm DGB20
330mm SANDSTONE
(SUBJECT TO SUBGRADE TESTING BY NATA REGISTERED LABORATORY.)
TRAFFIC LOADING ESA 2 x 10^6

CBR VALUE OF 3% DETERMINED BY ALLIANCE GEOTECHNICAL REPORT. NO: 7640-GR-1-1, 19TH JULY 2018



CARPARK
TYPICAL CROSS SECTION
SCALE 1:50

PAVEMENT DETAILS CATEGORY B ROADS:-
50mm AC10 ASPHALT
WITH 10mm FLUSH SEAL
CONCRETE KERB AND GUTTER
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330mm SANDSTONE
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TRAFFIC LOADING ESA 2 x 10^6

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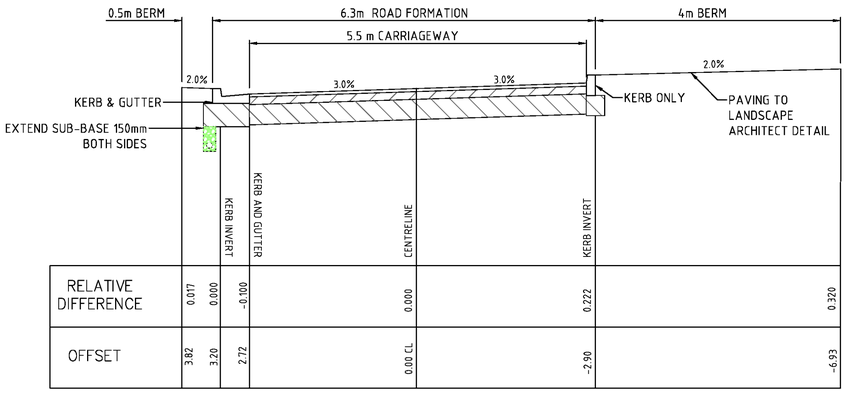

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TRAFFIC LOADING ESA 2 x 10^6

CBR VALUE OF 3% DETERMINED BY ALLIANCE GEOTECHNICAL REPORT. NO: 7640-GR-1-1, 19TH JULY 2018

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REVISIONS

No.	DESCRIPTION	DRN	APP	DATE
A	PRELIMINARY CLIENT ISSUE	A.C	A.C.	26.03.19
B	REVISED LOT AND DP	A.C	A.C	15.05.19

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Height Datum: A.H.D
Drawn: A.C
Designed: A.C
Checked: A.C.
Approved: A.C.

Client Title: CATHOLIC HEALTHCARE

Dwg Status: APPROVAL
Local Authority: PENRITH

Dwg Title: JORDAN SPRINGS 'NURSING HOME'
LOT 2 DP1248137

TYPICAL ROAD CROSS SECTIONS

Ref & Dwg No: 18125.DA.C06
Sheet No: Sheet 06 of 14
Scale: 1:50 @ A1
Date: 08.06/18
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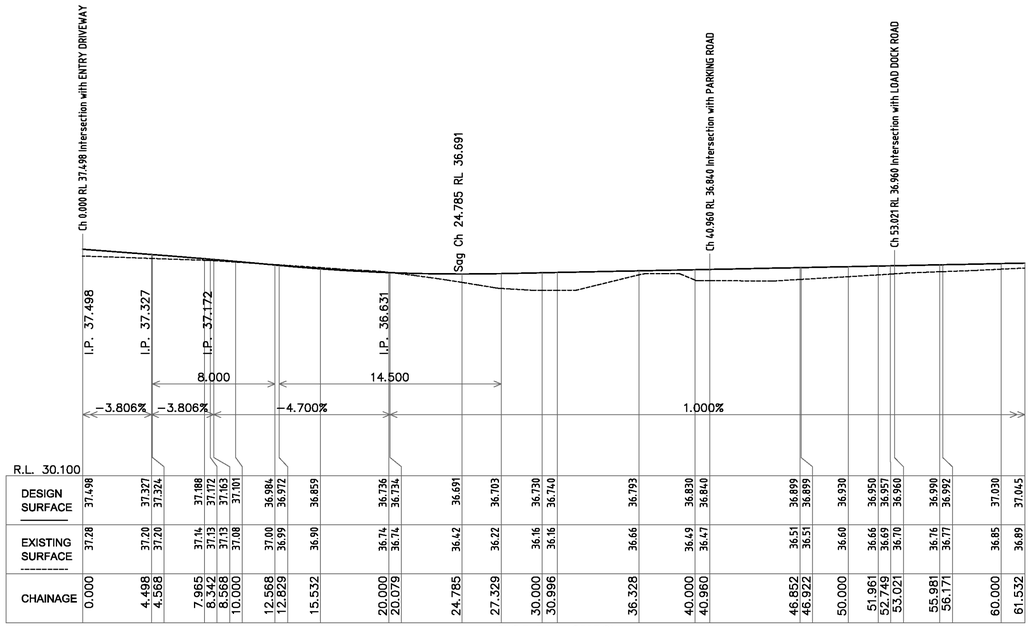
A1



LONGITUDINAL SECTION
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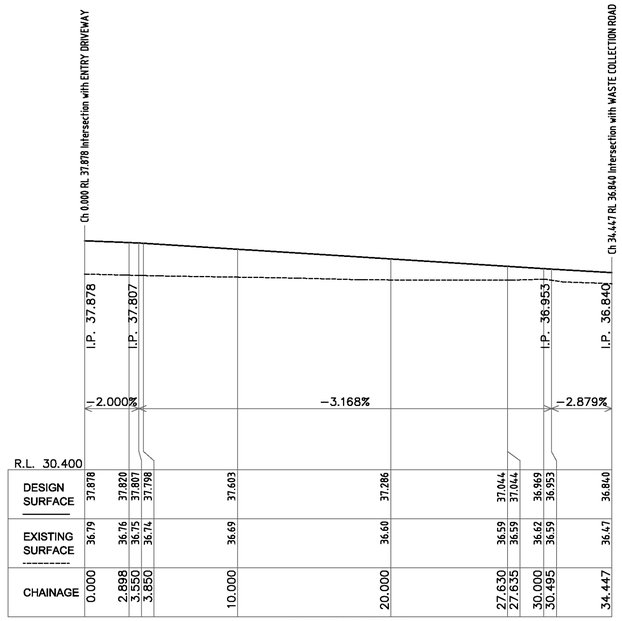
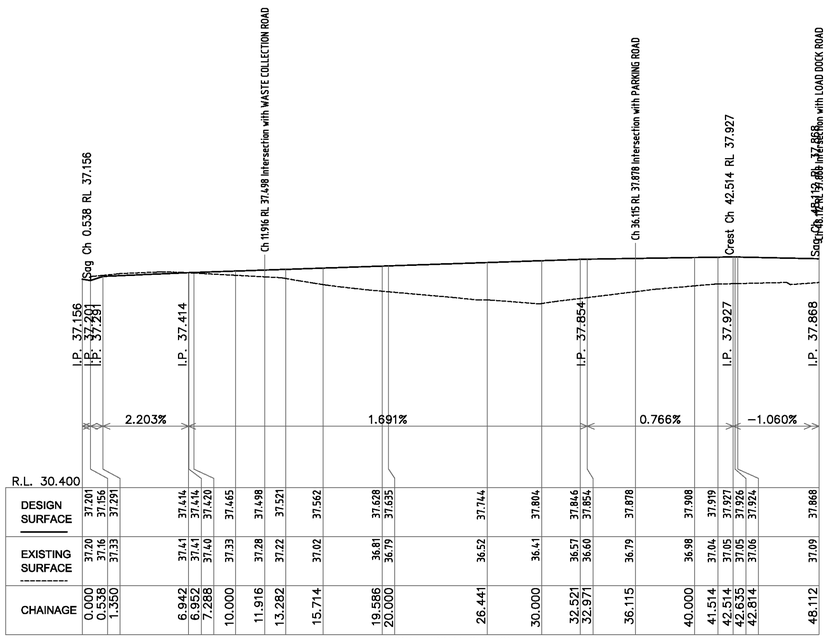
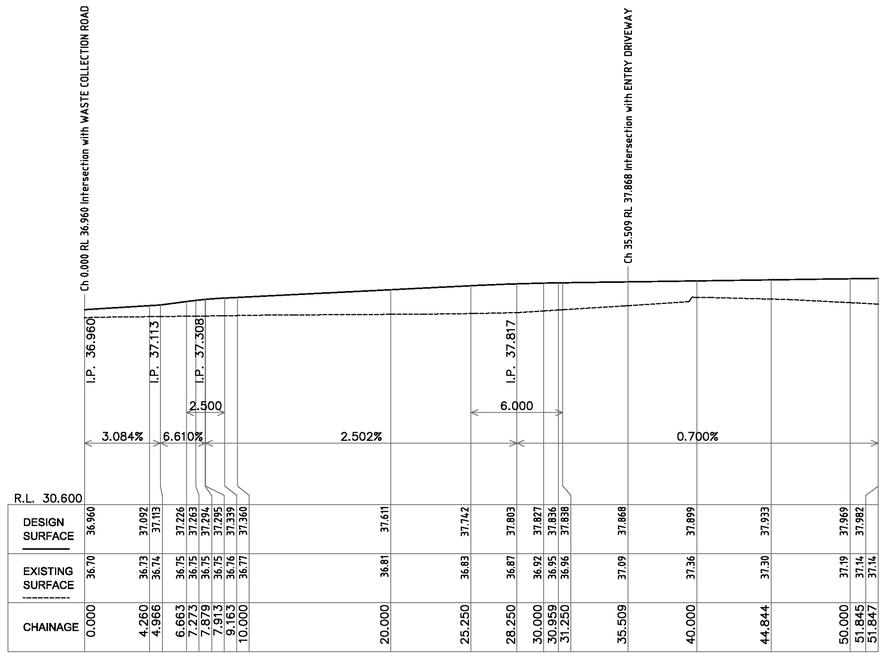
SCALES: HORIZONTAL 1:200 VERTICAL 1:100



LONGITUDINAL SECTION
PARKING ROAD Ch 0.000 to Ch 34.447
SCALES: HORIZONTAL 1:200 VERTICAL 1:100



LONGITUDINAL SECTION
ENTRY DRIVEWAY Ch 0.000 to Ch 48.112
SCALES: HORIZONTAL 1:200 VERTICAL 1:100



LONGITUDINAL SECTION
LOAD DOCK ROAD Ch 0.000 to Ch 51.847
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LOT 2 DP1248137
JORDAN SPRINGS BOULEVARD
ROAD LONGSECTIONS 01

Ref & Dwg No: 18125.DA.C07
Sheet No: Sheet 07 of 14
Scale: 1:200 @ A1
Date: 08.06/18
Rev: B
A1

Pit Schedule - Drainage

Pit No.	Pit Type	Pit Type	Pit Width	Pit Length	Outlet Diameter	Outlet Invert RL	Inlet Diameter	Inlet Invert RL	Pit Depth	Pit Lid Level	Easting	Northing
			(mm)	(mm)	(mm)	(m)	(mm)	(m)	(m)	(m)	(m)	(m)
A/1	GSIP	900 x 900	900	900			375	34.900	0.891	35.791	289283.75	6265565.06
A/10	GSIP	900 x 900	900	900	300	36.590	225	36.620	1.106	37.696	289226.75	6265635.77
A/11	GSIP	900 x 900	900	900	225	36.750	225	36.780	1.099	37.849	289224.64	6265650.86
A/12	GSIP	900 x 900	900	900	225	36.840	225	36.870	1.060	37.900	289225.28	6265658.38
A/13	GSIP	900 x 900	900	900	225	36.940			0.982	37.922	289234.15	6265664.27
A/2	JP	900 x 900	900	900	375	35.250	225	35.280	1.524	36.774	289276.33	6265586.59
							375	35.290				
A/3	KIP 2	SAG	600	900	375	35.400	375	35.630	1.253	36.653	289276.19	6265589.33
							375	35.630				
							375	35.630				
A/4	KIP 1	1% on grade	600	900	375	35.700	375	35.730	0.987	36.687	289268.97	6265584.92
							225	35.725				
A/5	KIP 1	1% on grade	600	900	375	35.840	375	35.870	1.039	36.879	289250.14	6265580.30
A/6	GSIP	900 x 900	900	900	375	35.940	300	35.990	1.024	36.964	289241.46	6265579.22
A/7	GSIP	900 x 900	900	900	300	36.070	300	36.100	1.200	37.270	289237.23	6265585.64
A/8	GSIP	900 x 900	900	900	300	36.270	300	36.300	1.196	37.466	289233.93	6265605.09
							150	36.400				
A/9	GSIP	900 x 900	900	900	300	36.450	300	36.480	1.045	37.495	289231.68	6265621.08
B/1	GSIP	900 x 900	900	900	150	36.500	150	36.530	1.318	37.818	289244.84	6265611.93
							150	36.530				
B/2	GSIP	900 x 900	900	900	150	36.700	150	36.730	1.193	37.893	289243.51	6265621.33
B/3	GSIP	450 x 450	450	450	150	37.100	150	37.130	0.900	38.000	289250.65	6265644.81
B/4	GSIP	450 x 450	450	450	150	37.200			0.800	38.000	289253.56	6265645.30
C/1	KIP 1	1% on grade	600	900	375	36.050	375	36.080	1.037	37.087	289281.55	6265605.87
							150	36.200				
							225	36.075				
C/2	GSIP	900 x 900	900	900	375	36.440	225	36.470	1.373	37.813	289278.93	6265627.52
C/3	GSIP	900 x 900	900	900	225	36.570	225	36.600	1.299	37.869	289278.98	6265636.72
C/4	GSIP	900 x 900	900	900	225	36.720	150	36.750	1.146	37.866	289277.41	6265647.94
C/5	GSIP	900 x 900	900	900	150	36.850	150	36.880	1.067	37.917	289275.27	6265657.41
C/6	GSIP	900 x 900	900	900	150	36.970	150	37.000	0.959	37.929	289275.03	6265665.31
C/7	GSIP	900 x 900	900	900	150	37.100	150	37.130	0.829	37.929	289270.61	6265669.36
C/8	GSIP	900 x 900	900	900	150	37.300			0.628	37.928	289259.33	6265667.74
D/1	GSIP	900 x 900	900	900	150	36.990	150	37.010	0.741	37.731	289256.72	6265613.60
D/2	GSIP	Grated Drain	150		150	37.060			0.785	37.845	289259.25	6265617.58
E/1	GSIP	Grated Drain	150		150	36.400			0.889	37.289	289283.24	6265610.71
F/1	GSIP	900 x 900	900	900	375	36.000			1.035	37.035	289269.38	6265592.57
G/1	GPT	Jelly Fish	2500	2500	225	35.320	225	35.520	1.459	36.779	289279.82	6265588.53
G/2	KIP 2	SAG	600	900	225	35.550			1.054	36.604	289277.90	6265589.43
H/1	GSIP	900 x 900	900	900	225	36.184	225	36.209	0.879	37.063	289259.66	6265592.72
H/2	GSIP	900 x 900	900	900	225	36.463			0.854	37.317	289247.78	6265591.04
I/1	KIP 1	1% on grade	600	900	225	36.594			0.854	37.448	289272.55	6265609.25

HGL Report - Drainage Return Period: 20yrs Location: JORDAN SPRINGS

Pipe Connecting Pits (Downstream Upstream)	Pipe ID	Pipe Class	Pipe Diameter	Pipe Length	Pipe Design Flow	Mannings n	Pipe Velocity	Pipe Part Velocity	Pipe Velocity Head	HGL at Downstream Pit	Pipe Friction Slope	Pipe Friction Loss	HGL at Upstream Pit	Pit Loss Coefficient	Pipe Head Loss	Adopted Upstream Water Level	Pit Surcharge Level (Pit Inlet/Outlet Level)	Downstream Pipe Obvert	Upstream Pipe Obvert	Downstream Pipe Invert	Upstream Pipe Invert	Pipe Slope	Pipe Design Flow	Pipe HGL Capacity	Pipe Manning Capacity
			(mm)	(m)	(l/s)		(m/s)	(m/s)	(m)	(m)	(%)	(m)	(m)	Ku	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(%)	(l/s)	(l/s)	(l/s)
A/9 A/10	A/10A/9	PVC	300	15.500	45.3	0.009	1.55	1.555	0.021	36.772	0.00	0.019	36.882	1.844	0.039	36.921	37.696	36.780	36.890	36.480	36.590	0.710	45.3	115.4	117.7
A/10 A/11	A/11A/10	PVC	225	15.237	14.5	0.009	1.24	1.242	0.007	36.921	0.00	0.009	36.930	1.000	0.007	36.937	37.849	36.845	36.975	36.620	36.750	0.853	14.5	59.6	59.9
A/11 A/12	A/12A/11	PVC	225	7.542	12.3	0.009	1.15	1.149	0.005	36.937	0.00	0.003	36.997	1.857	0.009	37.006	37.900	37.005	37.065	36.780	36.840	0.796	12.3	57.4	57.8
A/12 A/13	A/13A/12	PVC	225	10.652	6.5	0.009	0.89	0.892	0.001	37.006	0.00	0.002	37.076	16.705	0.022	37.099	37.922	37.095	37.165	36.870	36.940	0.657	6.5	51.9	52.6
A/1 A/2	A/2A/1	Class 2 RRJ	375	22.764	186.1	0.013	2.21	2.212	0.145	35.275	0.01	0.136	35.517	1.000	0.145	35.662	36.774	35.275	35.625	34.900	35.250	1.537	186.1	304.1	217.4
A/2 A/3	A/3A/2	Class 2 RRJ	375	2.751	186.2	0.013	3.22	3.222	0.145	35.662	0.01	0.016	35.772	2.062	0.299	36.070	36.653	35.665	35.775	35.290	35.400	3.998	186.2	496.3	350.6
A/3 A/4	A/4A/3	Class 3 RRJ	375	8.465	92.4	0.013	1.50	1.496	0.036	36.070	0.00	0.013	36.084	1.000	0.036	36.119	36.687	36.005	36.075	35.630	35.700	0.827	92.4	220.7	159.4
A/4 A/5	A/5A/4	Class 3 RRJ	375	19.389	83.2	0.013	1.26	1.265	0.029	36.119	0.00	0.025	36.144	1.000	0.029	36.173	36.879	36.105	36.215	35.730	35.840	0.567	83.2	181.4	132.1
A/5 A/6	A/6A/5	Class 3 RRJ	375	8.740	79.3	0.013	1.43	1.425	0.026	36.173	0.00	0.010	36.243	1.476	0.039	36.282	36.964	36.245	36.315	35.870	35.940	0.801	79.3	217.1	156.9
A/6 A/7	A/7A/6	PVC	300	7.690	57.4	0.009	1.90	1.905	0.034	36.282	0.00	0.015	36.362	1.000	0.034	36.396	37.270	36.290	36.370	35.990	36.070	1.040	57.4	141.0	142.5
A/7 A/8	A/8A/7	PVC	300	19.732	56.3	0.009	1.77	1.768	0.032	36.396	0.00	0.036	36.566	1.000	0.032	36.598	37.466	36.400	36.570	36.100	36.270	0.862	56.3	127.8	129.6
A/8 A/9	A/9A/8	PVC	300	16.145	48.9	0.009	1.75	1.752	0.024	36.598	0.00	0.023	36.748	1.000	0.024	36.772	37.495	36.600	36.750	36.300	36.450	0.929	48.9	132.9	134.6
A/8 B/1	B/1A/8	PVC	150	12.878	3.6	0.009	0.85	0.853	0.002	36.598	0.00	0.004	36.603	1.470	0.003	36.606	37.818	36.550	36.650	36.400	36.500	0.777	3.6	19.4	19.4
B/1 B/2	B/2B/1	PVC	150	9.497	3.6	0.009	1.12	1.117	0.002	36.606	0.00	0.003	36.776	1.000	0.002	36.778	37.893	36.680	36.850	36.530	36.700	1.790	3.6	30.1	29.4
B/2 B/3	B/3B/2	PVC	150	24.538	3.7	0.009	1.08	1.075	0.002	36.778	0.00	0.009	37.148	1.976	0.004	37.152	38.000	36.880	37.250	36.730	37.100	1.508	3.7	27.5	27.0
B/3 B/4	B/4B/3	PVC	150	2.947	1.8	0.009	1.06	1.056	0.001	37.153	0.00	0.000	37.223	17.314	0.010	37.233	38.000	37.280	37.350	37.130	37.200	2.376	1.8	35.0	33.9
A/3 C/1	C/1A/3	Class 3 RRJ	375	17.380	60.0	0.013	1.98	1.981	0.015	36.070	0.00	0.012	36.169	1.000	0.015	36.185	37.087	36.005	36.425	35.630	36.050	2.417	60.0	383.6	272.6
C/1 C/2	C/2C/1	Class 3 RRJ	375	21.809	41.0	0.013	1.55	1.550	0.007	36.188	0.00	0.008	36.548	1.000	0.007	36.555	37.813	36.455	36.815	36.080	36.440	1.651	41.0	315.4	225.3
C/2 C/3	C/3C/2	Class 2 RRJ	225	9.200	40.4	0.013	1.33	1.331	0.049	36.628	0.00	0.036	36.728	1.000	0.049	36.777	37.869	36.699	36.799	36.470	36.570	1.087	40.4	69.5	49.1
C/3 C/4	C/4C/3	PVC	225	11.334	36.7	0.009	1.72	1.717	0.043	36.777	0.00	0.039	36.897	1.321	0.057	36.955	37.866	36.825	36.945	36.600	36.720	1.059	36.7	66.7	66.7
C/4 C/5	C/5C/4	PVC	150	9.705	16.2	0.009	1.38	1.376	0.043	36.955	0.01	0.054	37.009	1.242	0.053	37.062	37.917	36.900	37.000	36.750	36.850	1.030	16.2	22.5	22.3
C/5 C/6	C/6C/5	PVC	150	7.902	11.3	0.009	1.33	1.326	0.021	37.062	0.00	0.023	37.085	1.819	0.038	37.123	37.929	37.030	37.120	36.880	36.970	1.139	11.3	23.8	23.5
C/6 C/7	C/7C/6	PVC	150	6.005	5.9	0.009	1.28	1.278	0.006	37.123	0.00	0.005	37.223	1.825	0.010	37.233	37.929	37.150	37.250	37.000	37.100	1.665	5.9	29.0	28.4
C/7 C/8	C/8C/7	PVC	150	11.388	3.2	0.009	1.04	1.035	0.002	37.233	0.00	0.003	37.403	15.248	0.026	37.429	37.928	37.280	37.450	37.130	37.300	1.493	3.2	27.4	26.9
B/1 D/1	D/1B/1	PVC	150	11.996	0.0	0.009	0.00	0.000	0.000	36.606	0.00	0.000	37.066	1.000	0.000	37.066	37.731	36.680	37.140	36.530	36.990	3.834	0.0	44.9	0.0
D/1 D/2	D/2D/1	PVC	150	4.720	0.0	0.009	0.00	0.000	0.000	37.066	0.00	0.000	37.116	18.000	0.000	37.116	37.845	37.160	37.210	37.010	37.060	1.059	0.0	22.9	0.0
C/1 E/1	E/1C/1	PVC	150	5.128	7.8	0.009	1.88	1.877	0.010	36.243	0.00	0.007	36.443	9.500	0.095	36.538	37.289	36.350	36.550	36.200	36.400	3.900	7.8	45.3	43.4
A/3 F/1	F/1A/3	Class 3 RRJ	375	7.536	21.2	0.013	1.88	1.884	0.002	36.070	0.00	0.001	36.071	16.993	0.032	36.103	37.035	36.005	36.375	35.630	36.000	4.910	21.2	551.1	388.5
A/2 G/1	G/1A/2	Class 2 RRJ	225	3.999	0.0	0.013	0.00	0.000	0.000	35.662	0.00	0.000	35.662	3.371	0.000	35.662	36.779	35.509	35.549	35.280	35.320	1.000	0.0	66.6	0.0
G/1 G/2	G/2G/1	Class 2 RRJ	225	2.127	0.0	0.013	0.00	0.000	0.000	35.662	0.00	0.000	35.692	18.000	0.000	35.692	36.604	35.749	35.779	35.520	35.550	1.410	0.0	79.6	0.0
A/4 H/1	H/1A/4	Class 2 RRJ	225	12.140	0.0	0.013	0.00	0.000	0.000	36.119	0.00	0.000	36.184	1.000	0.000	36.184	37.063	35.954	36.413	35.725	36.184	3.782	0.0	132.5	0.0

Hydrologic Design Sheet -Drainage Return Period: 20 Location: JORDAN SPRINGS

Pit	Catchment Flow Length	Catchment Slope	Catchment Roughness	Catchment Flow Time	Total Time	Pit C Factor	Total Catchment Area	Aera Contributing	Rainfall Intensity	Total Catchment Flow	Pit Type	Gutter Pit Inflow	Total Upstream Catchment
	(m)	(%)	'n'	(min)	(min)		(ha)	(l/s)	(mm/hr)	(l/s)		(l/s)	(ha)
A/10				5.00	5	1.000	0.07	0.1	166.0	32.0	900 x 900	32.0	0.1
	33.68	2.0	0.013			1.000	0.07						
						0.000							
						0.000							
A/11				5.00	5	1.000	0.01	0.0	166.0	2.3	900 x 900	1.6	0.0
	8.40	10.4	0.013			1.000	0.00						
						0.000							
	8.40	10.4	0.030			1.000	0.00						
A/12				5.00	5	1.000	0.01	0.0	166.0	6.0	900 x 900	4.2	0.0
	12.03	0.0	0.013			1.000	0.01						
						0.000							
	12.03	0.0	0.030			1.000	0.00						
A/13				5.00	5	1.000	0.01	0.0	166.0	6.5	900 x 900	4.5	0.0
	8.67	2.0	0.013			1.000	0.01						
						0.000							
	8.67	2.0	0.030			1.000	0.00						
A/2								0.4	166.0		900 x 900		0.4
A/3				5.00	5	1.000	0.04	0.4	166.0	18.0	SAG	12.6	0.4

Hydrologic Design Sheet -Drainage Return Period: 20 Location: JORDAN SPRINGS

Pit	Catchment Flow Length	Catchment Slope	Catchment Roughness	Catchment Flow Time	Total Time	Pit C Factor	Total Catchment Area	Aera Contributing	Rainfall Intensity	Total Catchment Flow	Pit Type	Gutter Pit Inflow	Total Upstream Catchment
	26.47	3.7	0.030			1.000	0.01						
A/4				5.00	5	1.000	0.02	0.2	166.0	11.1	1% on grade	11.1	0.2
	24.82	1.9	0.013			1.000	0.02						
						0.000							
						0.000							
A/5				5.00	5	1.000	0.01	0.2	166.0	4.6	1% on grade	4.2	0.2
	14.61	2.0	0.013			1.000	0.01						
						0.000							
	14.61	2.0	0.030			1.000	0.00						
A/6				5.00	5	1.000	0.05	0.2	166.0	23.7	900 x 900	23.7	0.2
	38.33	1.6	0.013			1.000	0.05						
						0.000							
						0.000							
A/7				5.00	5	1.000	0.00	0.1	166.0	1.8	900 x 900	1.3	0.1
	7.42	3.3	0.013			1.000	0.00						
						0.000							
	7.42	3.3	0.030			1.000	0.00						
A/8				5.00	5	1.000	0.01	0.1	166.0	4.6	900 x 900	3.2	0.1
	8.90	5.2	0.013			1.000	0.01						
						0.000							
	8.90	5.2	0.030			1.000	0.00						
A/9				5.00	5	1.000	0.01	0.1	166.0	4.2	900 x 900	2.9	0.1
	9.94	3.9	0.013			1.000	0.01						
						0.000							

Hydrologic Design Sheet -Drainage Return Period: 20 Location: JORDAN SPRINGS

Pit	Catchment Flow Length	Catchment Slope	Catchment Roughness	Catchment Flow Time	Total Time	Pit C Factor	Total Catchment Area	Aera Contributing	Rainfall Intensity	Total Catchment Flow	Pit Type	Gutter Pit Inflow	Total Upstream Catchment
B/1								0.0	166.0		900 x 900		0.0
B/2								0.0	166.0		900 x 900		0.0
B/3				5.00	5	1.000	0.00	0.0	166.0	1.8	450 x 450	1.8	0.0
	4.78	2.0	0.013			1.000	0.00						
						0.000							
						0.000							
B/4				5.00	5	1.000	0.00	0.0	166.0	1.8	450 x 450	1.8	0.0
	4.76	2.0	0.013			1.000	0.00						
						0.000							
						0.000							
C/1				5.00	5	1.000	0.01	0.1	166.0	5.5	1% on grade	5.5	0.1
	31.32	2.2	0.013			1.000	0.01						
						0.000							
						0.000							
C/2				5.00	5	1.000	0.00	0.1	166.0	0.9	900 x 900	0.6	0.1
	3.76	0.5	0.013			1.000	0.00						
						0.000							
	3.76	0.5	0.030			1.000	0.00						
C/3				5.00	5	1.000	0.01	0.1	166.0	4.2	900 x 900	2.9	0.1
	7.17	2.0	0.013			1.000	0.01						
						0.000							
	7.17	2.0	0.030			1.000	0.00						
C/4				5.00	5	1.000	0.05	0.1	166.0	21.2	900 x 900	21.2	0.1
	28.36	2.0	0.013			1.000	0.05						
						0.000							
						0.000							

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REVISIONS No.	DESCRIPTION	DRN	APP	DATE
A	PRELIMINARY CLIENT ISSUE	A.C	A.C.	26.03.19
B	REVISED LOT AND DP	A.C	A.C	15.05.19

siteplus
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planning engineering landscape design management

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E camden@siteplus.com.au

Height Datum: A.H.D
Drawn: A.C
Designed: A.C
Checked: A.C.
Approved: A.C.

Client Title: CATHOLIC HEALTHCARE

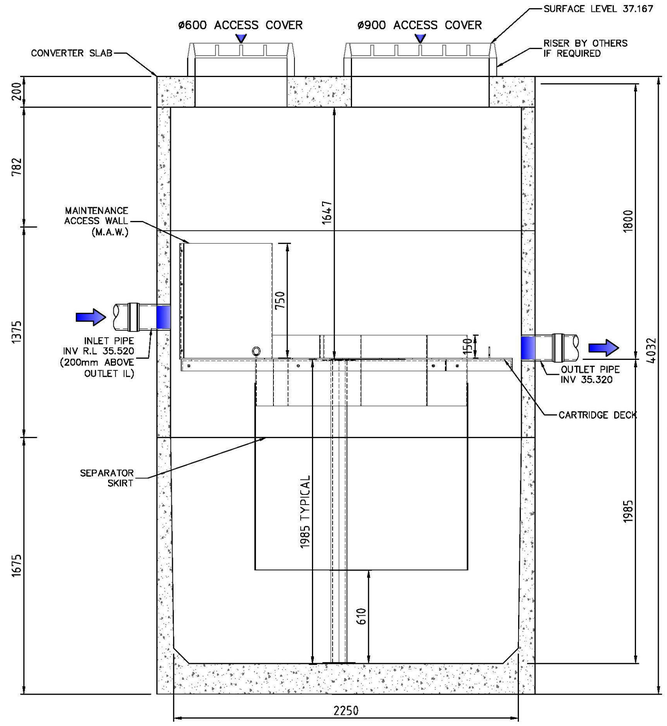
Dwg Status: APPROVAL
Local Authority: PENRITH

Dwg Title: JORDAN SPRINGS 'NURSING HOME'
LOT 2 DP1248137
JORDAN SPRINGS BOULEVARD
DRAINAGE CALCULATIONS

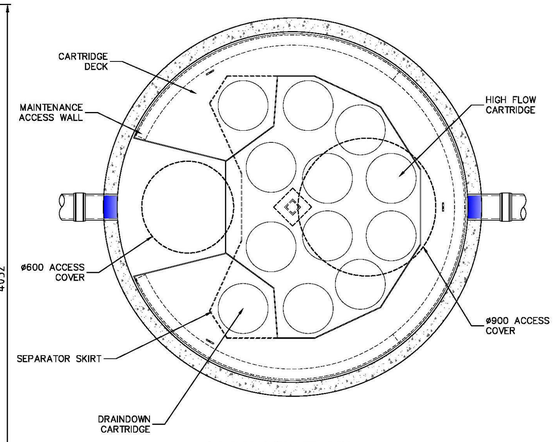
Ref & Dwg No: 18125.DA.C09
Sheet No: Sheet 09 of 14
Scale: N.T.S
Date: 08.06/18
Rev: B
A1

Hydrologic Design Sheet -Drainage Return Period: 20 Location: JORDAN SPRINGS

Pit	Catchment Flow Length	Catchment Slope	Catchment Roughness	Catchment Flow Time	Total Time	Pit C Factor	Total Catchment Area	Aera Contributing	Rainfall Intensity	Total Catchment Flow	Pit Type	Gutter Pit Inflow	Total Upstream Catchment
C/6				5.00	5	1.000	0.01	0.0	166.0	5.5	900 x 900	3.9	0.0
	8.59	1.0	0.013			1.000	0.01						
						0.000							
	8.59	1.0	0.030			1.000	0.00						
C/7				5.00	5	1.000	0.01	0.0	166.0	2.8	900 x 900	1.9	0.0
	7.40	1.8	0.013			1.000	0.00						
						0.000							
	7.40	1.8	0.030			1.000	0.00						
C/8				5.00	5	1.000	0.01	0.0	166.0	3.2	900 x 900	2.3	0.0
	8.83	2.0	0.013			1.000	0.00						
						0.000							
	8.83	0.4	0.030			1.000	0.00						
D/1								0.0	166.0		900 x 900		0.0
D/2								0.0	166.0		Grated Drain		0.0
E/1				5.00	5	1.000	0.02	0.0	166.0	7.8	Grated Drain	7.8	0.0
	26.60	2.3	0.013			1.000	0.02						
						0.000							
						0.000							
F/1				5.00	5	1.000	0.05	0.0	166.0	21.2	900 x 900	21.2	0.0
	36.39	1.3	0.013			1.000	0.05						
						0.000							
						0.000							
G/1								0.0	166.0		Jelly Fish		0.0
G/2								0.0	166.0		SAG		0.0
H/1								0.0	166.0		900 x 900		0.0
H/2								0.0	166.0		900 x 900		0.0
I/1				5.00	5	1.000	0.02	0.0	166.0	7.4	1% on grade	7.4	0.0
	22.74	2.7	0.013			1.000	0.02						
						0.000							
						0.000							



JELLYFISH SECTION
SCALE 1:20

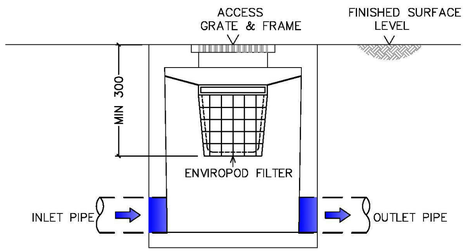


JELLYFISH PLAN
SCALE 1:20

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	G/1
WATER QUALITY FLOW RATE (L/S)	22.5
PEAK FLOW RATE (L/S)	87.7
RETURN PERIOD OF PEAK FLOW (yrs)	1
# OF CARTRIDGES REQUIRED (HF / DD)	–
CARTRIDGE SIZE	–

PIPE DATA:	I.L.	MATERIAL	DIAMETER
INLET PIPE #1	35.52	UPVC	225
OUTLET PIPE	35.32	UPVC	225



STANDARD ENVIROPOD CONFIGURATION
SCALE 1:20

NOTE: ALL GRATED PITS TO CONTAIN ENVIROPODS

GENERAL NOTES

1. STORMWATER360 TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR STORMWATER360 AUSTRALIA REPRESENTATIVE. www.stormwater360.com.au
3. JELLYFISH WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF THE PROJECT.
4. PRECAST STRUCTURE TO BE CONSTRUCTED BY STORMWATER360 AUSTRALIA IN ACCORDANCE WITH AS3600.
5. STRUCTURE AND ACCESS COVERS TO BE DESIGNED TO MEET AUSTROADS T44 LOAD RATINGT WITH 0.0m TO 1.0m FILL MAXIMUM (CLASS D) UNLESS OTHERWISE NOTED.
6. JELLYFISH FILTER BY STORMWATER360 AUSTRALIA: PHONE 1300 354 722 OR VISIT www.stormwater360.com.au

INSTALLATION NOTES

1. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE SPECIFIC DESIGN CONSIDERATION AND SHALL BE SPECIFIED BY THE SITE CIVIL ENGINEER.
2. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STRUCTURE.
3. CONTRACTOR WILL INSTALL AND LEVEL THE STRUCTURE, SEALING THE JOINTS, LINE ENTRY AND EXIT POINTS.
4. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.
5. CARTRIDGE INSTALLATION, BY STORMWATER360, SHALL OCCUR ONLY AFTER SITE HAS BEEN STABILIZED AND THE JELLYFISH UNIT IS CLEAN AND FREE OF DEBRIS. CONTACT STORMWATER360 TO COORDINATE CARTRIDGE INSTALLATION WITH SITE STABILIZATION ON 1300 354 722

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REVISIONS No.	DESCRIPTION	DRN	APP	DATE
A	PRELIMINARY CLIENT ISSUE	A.C	A.C.	26.03.19
B	REVISED LOT AND DP	A.C	A.C	15.05.19

siteplus
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E camden@siteplus.com.au

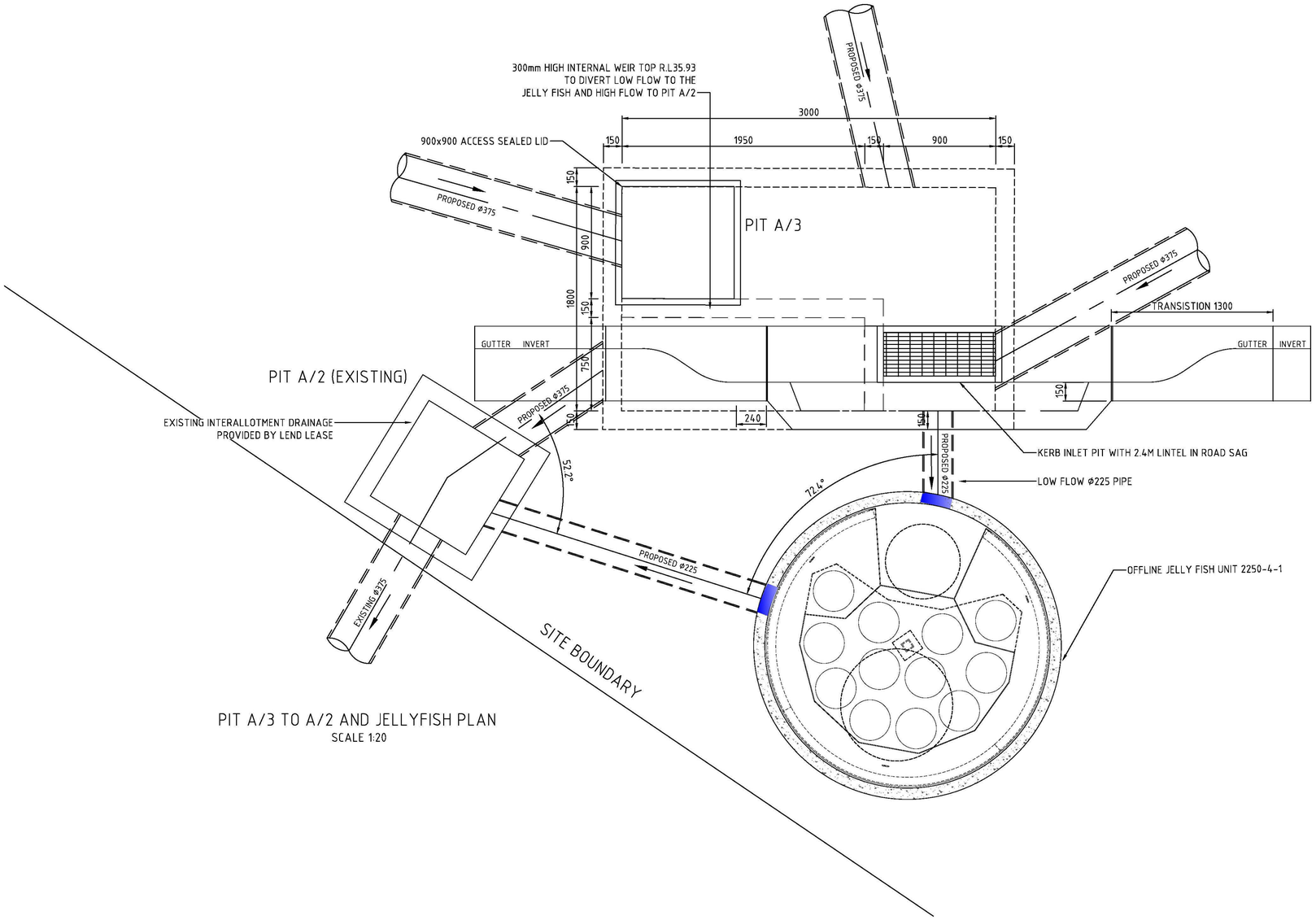
Height Datum A.H.D
Drawn A.C
Designed A.C
Checked A.C.
Approved A.C.

Client Title: CATHOLIC HEALTHCARE

Dwg Status: APPROVAL
Local Authority: PENRITH

Dwg Title: JORDAN SPRINGS 'NURSING HOME'
LOT 2 DP1248137
JORDAN SPRINGS BOULEVARD
DRAINAGE CALCULATIONS & DETAILS

Ref & Dwg No: 18125.DA.C10
Sheet No: Sheet 10 of 14
Scale: AS SHOWN
Date: 08.06/18
Rev: B
A1



PIT A/3 TO A/2 AND JELLYFISH PLAN
SCALE 1:20

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REVISIONS No.	DESCRIPTION	DRN	APP	DATE
A	PRELIMINARY CLIENT ISSUE	A.C	A.C.	26.03.19
B	REVISED LOT AND DP	A.C	A.C	15.05.19

siteplus
Site Plus Pty Ltd ABN 73 104 315 095
planning engineering landscape design management

HEAD OFFICE
345 Keira Street
Wollongong NSW 2500
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F 61 2 4227 4133
E info@siteplus.com.au

CAMDEN
12 View St
PO Box 615
Camden NSW 2570
T 61 2 4655 5877
F 61 2 4655 5024
E camden@siteplus.com.au

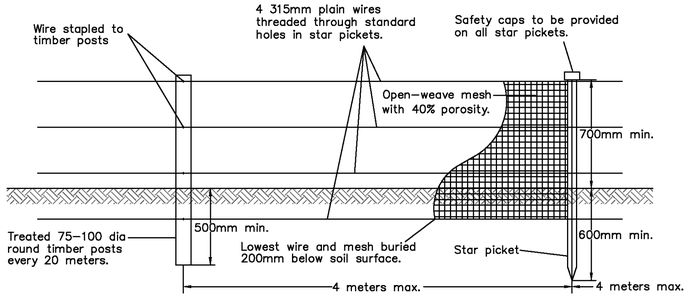
Height Datum: A.H.D
Drawn: A.C
Designed: A.C
Checked: A.C.
Approved: A.C.

Client Title: CATHOLIC HEALTHCARE

Dwg Status: APPROVAL
Local Authority: PENRITH

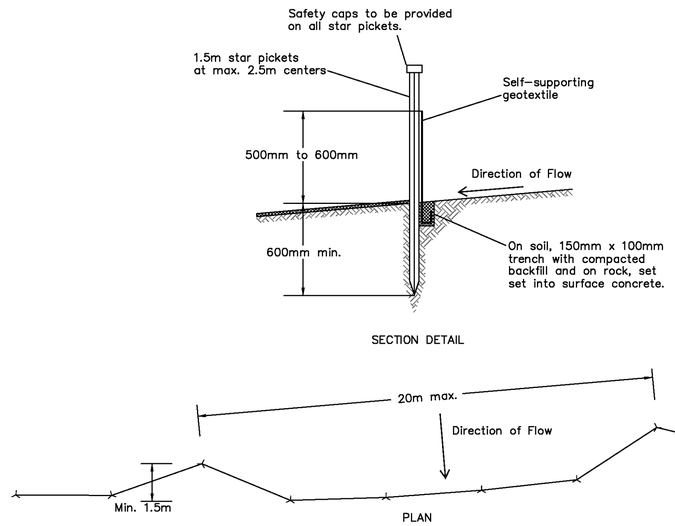
Dwg Title: JORDAN SPRINGS 'NURSING HOME'
LOT 2 DP1248137
JORDAN SPRINGS BOULEVARD
DRAINAGE DETAILS

Ref & Dwg No: 18125.DA.C11
Sheet No: Sheet 11 of 14
Scale: 1:50 @ A1
Date: 08.06/18
Rev: B
A1



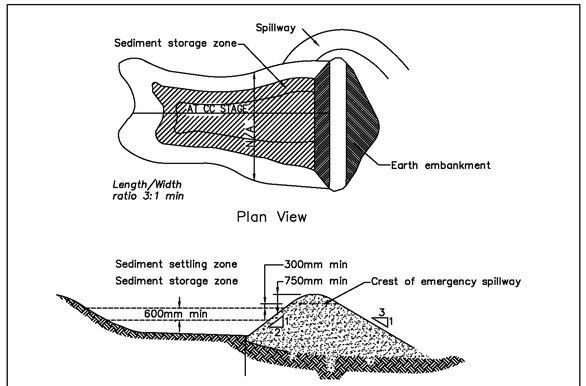
CONTROL OF WIND EROSION – SD 6–15

NOT TO SCALE



SEDIMENT FENCE – SD 6–8

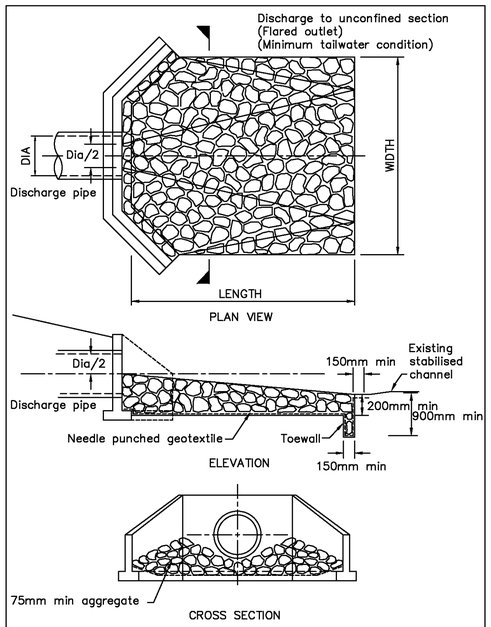
NOT TO SCALE



NOTES:
1. Remove all vegetation and topsoil from under dam wall and from within storage area.
2. Construct cut–off trench 500mm deep and 1200mm wide along centreline of the embankment extending to a point on the gully wall level with riser crest.
3. Maintain the trench free of water and recompact the materials with equipment specified in the S SWMP to 95 per cent Standard Proctor Density.
4. Select fill according to the directions of the SWMP that is free of roots, wood, rock, large stones or foreign material.
5. Prepare the site under the embankment by ripping at least 100mm deep to help bond compacted fill to existing substrate.
6. Spread fill in 100mm to 150mm layers and compact at optimum moisture content in accordance with the SWMP.
7. Construct emergency spillway.
8. Rehabilitate structure in accordance with SWMP.
9. Place a "Full of Sediment" marker to show when less than design capacity occurs and sediment removal is required.

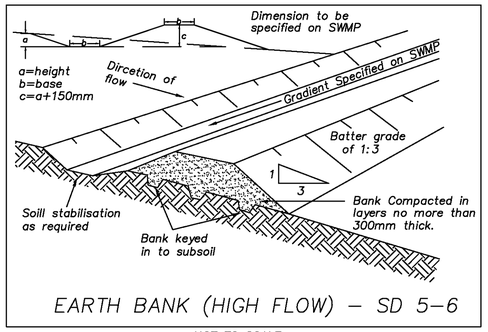
WET SEDIMENT BASIN – SD 6–4

NOT TO SCALE



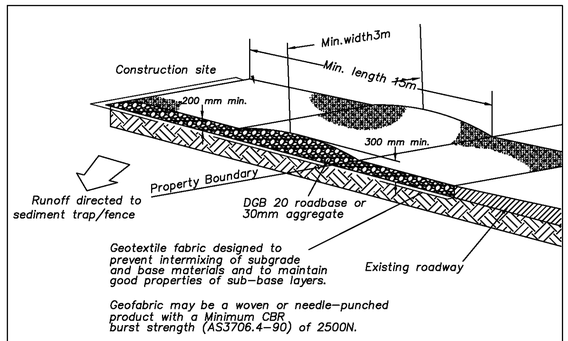
ENERGY DISSIPATER – SD 5–8

NOT TO SCALE



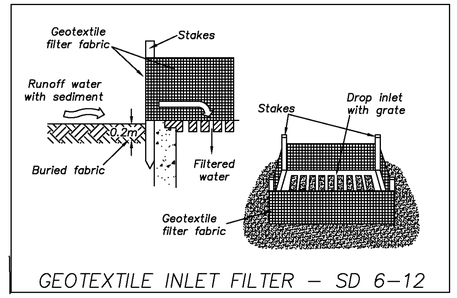
EARTH BANK (HIGH FLOW) – SD 5–6

NOT TO SCALE



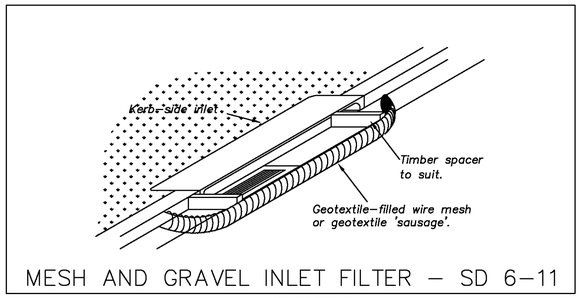
STABALISED SITE ACCESS – SD 6–14

NOT TO SCALE



GEOTEXTILE INLET FILTER – SD 6–12

NOT TO SCALE



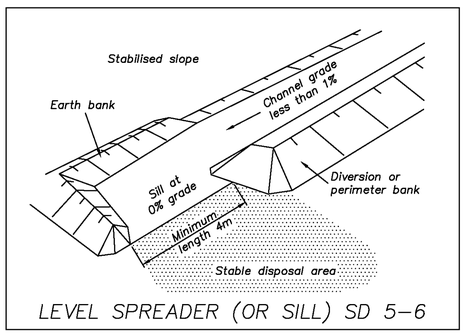
MESH AND GRAVEL INLET FILTER – SD 6–11

NOT TO SCALE

BASIN TO BE TREATED WITH GYPSUM FLOCCULANT AT THE RATE OF 32 kg/100 m³ OF STORED WATER. THE BASIN SHOULD THEN BE DRAINED FOLLOWING A PERIOD OF AT LEAST 3 DAYS, PROVIDING WATER ANALYSIS TESTS SHOW SUSPENDED SEDIMENT CONCENTRATIONS ARE BELOW 50 mg/l.

Flocculation

NOT TO SCALE



LEVEL SPREADER (OR SILL) SD 5–6

NOT TO SCALE

T:\Projects\18125 Jordan Springs\DWG\DA\18125_DA_SOIL & WATER MANAGEMENT.dwg

REVISIONS No.	DESCRIPTION	DRN	APP	DATE
A	PRELIMINARY CLIENT ISSUE	A.C	A.C.	26.03.19
B	REVISED LOT AND DP	A.C	A.C	15.03.19

siteplus
Site Plus Pty Ltd ABN 73 104 315 095
HEAD OFFICE
345 Keira Street
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Height Datum	A.H.D
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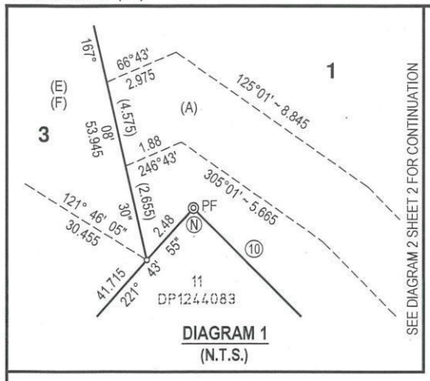
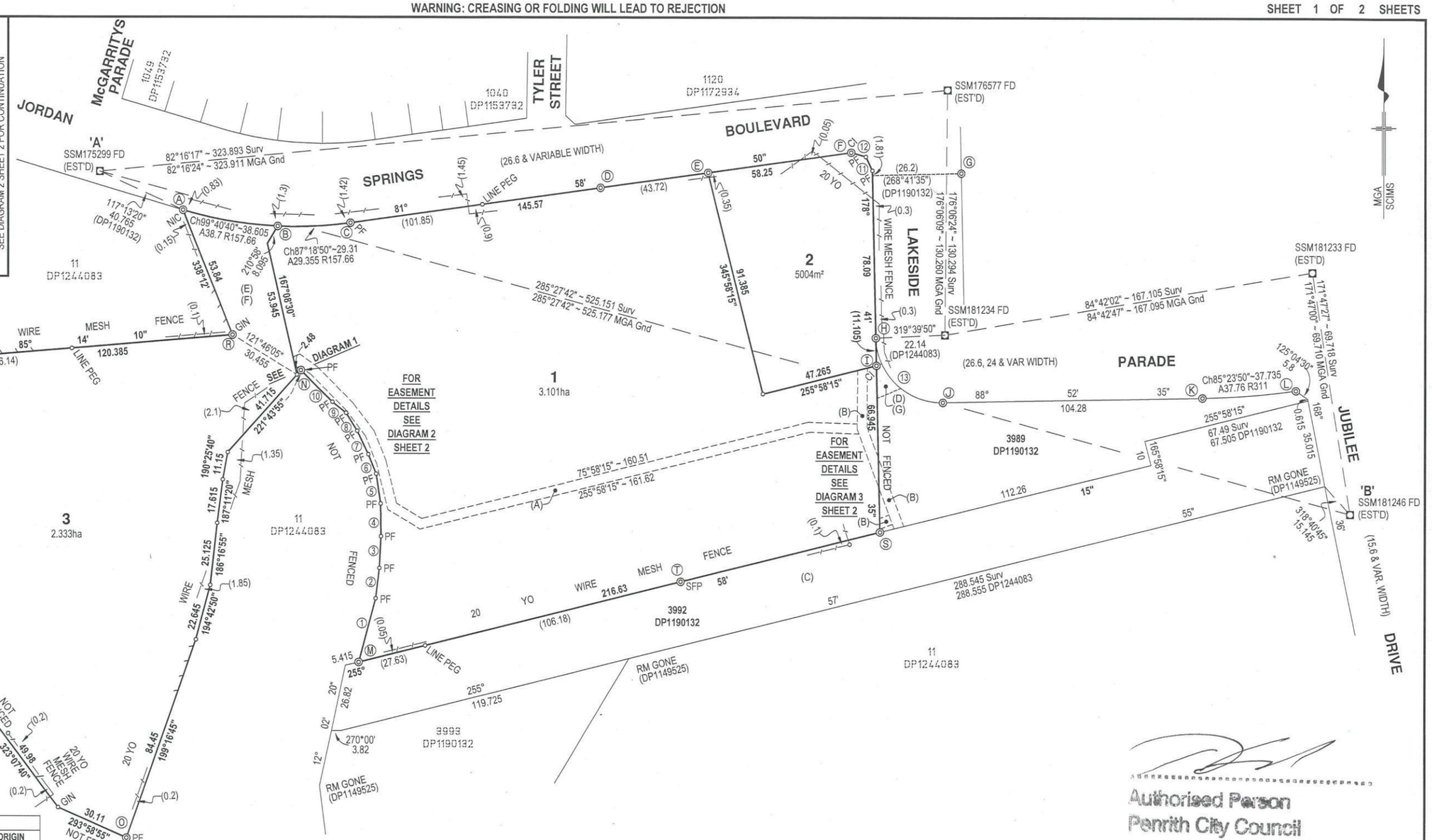
LOT 2 DP1248137
JORDAN SPRINGS BOULEVARD
SOIL AND WATER MANAGEMENT DETAILS

Ref & Dwg No	18125.DA.C14
Sheet No	Sheet 14 of 14
Scale	N.T.S
Date	08.06/18
Rev	B
	A1





Authorised Person
Penrith City Council

SCHEDULE OF REFERENCE MARKS						
MARK	BEARING	DISTANCE	NOTE	FROM	STATE	ORIGIN
A	196°26'	7.45		DH&W	Found	DP1190132
B	188°53'	6.515		DH&W	Placed	
C	171°47'30"	5.11		DH&W	Found	DP1190132
D	159°30'15"	5.025		DH&W	Found	DP1153732
	157°23'20"	19.795		DH&W	Found	DP1153732
E	169°42'	4.885		DH&W	Placed	
F	174°03'40"	7		DH&W	Found	DP1155647
	172°36'45"	21.68		DH&W	Found	DP1155647
G	100°46'25"	5.985		DH&W	Found	DP1155647
	98°57'35"	20.64		DH&W	Found	DP1155647
H	256°22'50"	20.715		DH&W	Found	DP1179646
	255°13'25"	6.495	BY ME	DH&W	Found	DP1179646
I	241°32'	8.115		DH&W	Placed	
J	200°06'15"	18.395		DH&W	Found	DP1179646
	199°52'15"	5.175	BY ME	DH&W	Found	DP1179646
K	176°21'30"	17.115		DH&W	Found	DP1179646
	176°35'35"	4.865	BY ME	DH&W	Found	DP1179646
L	175°20'05"	17.15	BY ME	DH&W	Found	DP1179646
	175°02'45	4.87		DH&W	Found	DP1179646
M	51°51'	3.15		DH&W	Found	DP1244083
N	140°04'	1.58		Spike	Found	DP1149525
O	142°41'	1.8		Spike	Found	DP1149525
P	228°10'	16		GIP	Found	DP1149525
Q	334°13'	2.715		Spike	Found	DP1149525
R	232°27'	1.79		Spike	Found	DP1149525
S	131°57'	6.39		GIP	Placed	
T	328°50'	3.51		GIP	Placed	

LEGEND	
CI	CORNER INACCESSIBLE
NIC	NAIL IN CONCRETE FOOTING
PF	PEG FOUND
SFP	STEEL FENCE POST ON BOUNDARY
GIN	GIN IN TIMBER FENCE POST FOUND

SCHEDULE OF SHORT/CURVED LINES					
#	BEARING	DISTANCE	NOTE	RADIUS	ARC
1	14°53'30"	26.46			
2	7°03'	12.33			
3	2°52'05"	12.765			
4	359°20'30"	13.15			
5	351°20'	12.175			
6	337°50'	8.41			
7	334°36'30"	10.41			
8	328°08'10"	8.535			
9	308°41'20"	7.025			
10	315°08'30"	17.93	Survey		
		17.825	DP1244083		
11	334°30'55"	6.145			
12	286°09'30"	6.145			
13	133°47'45"	37.41		26.5	41.53

EASEMENTS CREATED BY THIS PLAN	
(A)	EASEMENT TO DRAIN WATER 4 WIDE
(B)	EASEMENT TO DRAIN WATER 4 WIDE
(C)	RIGHT OF CARRIAGE WAY (WHOLE OF LOT)
(D)	RIGHT OF CARRIAGE WAY VARIABLE WIDTH
(E)	EASEMENT FOR SERVICES VARIABLE WIDTH
(F)	RIGHT OF CARRIAGE WAY VARIABLE WIDTH
(G)	EASEMENT FOR SERVICES VARIABLE WIDTH

COORDINATE SCHEDULE						
Mark	MGA Easting	MGA Northing	Class	Order	Method	State
SSM175299	288968.247	6265668.457	C	3	SCIMS	Found
SSM176577	289289.261	6265712.012	C	3	SCIMS	Found
SSM181233	289464.523	6265597.434	C	3	SCIMS	Found
SSM181234	289298.116	6265582.035	C	3	SCIMS	Found
SSM181246	289474.487	6265528.430	C	3	SCIMS	Found
DATE OF SCIMS COORDINATES: 13/02/2019			COMBINED SCALE FACTOR 1.000138			
MGA ZONE: 56			MGA DATUM: GDA94			

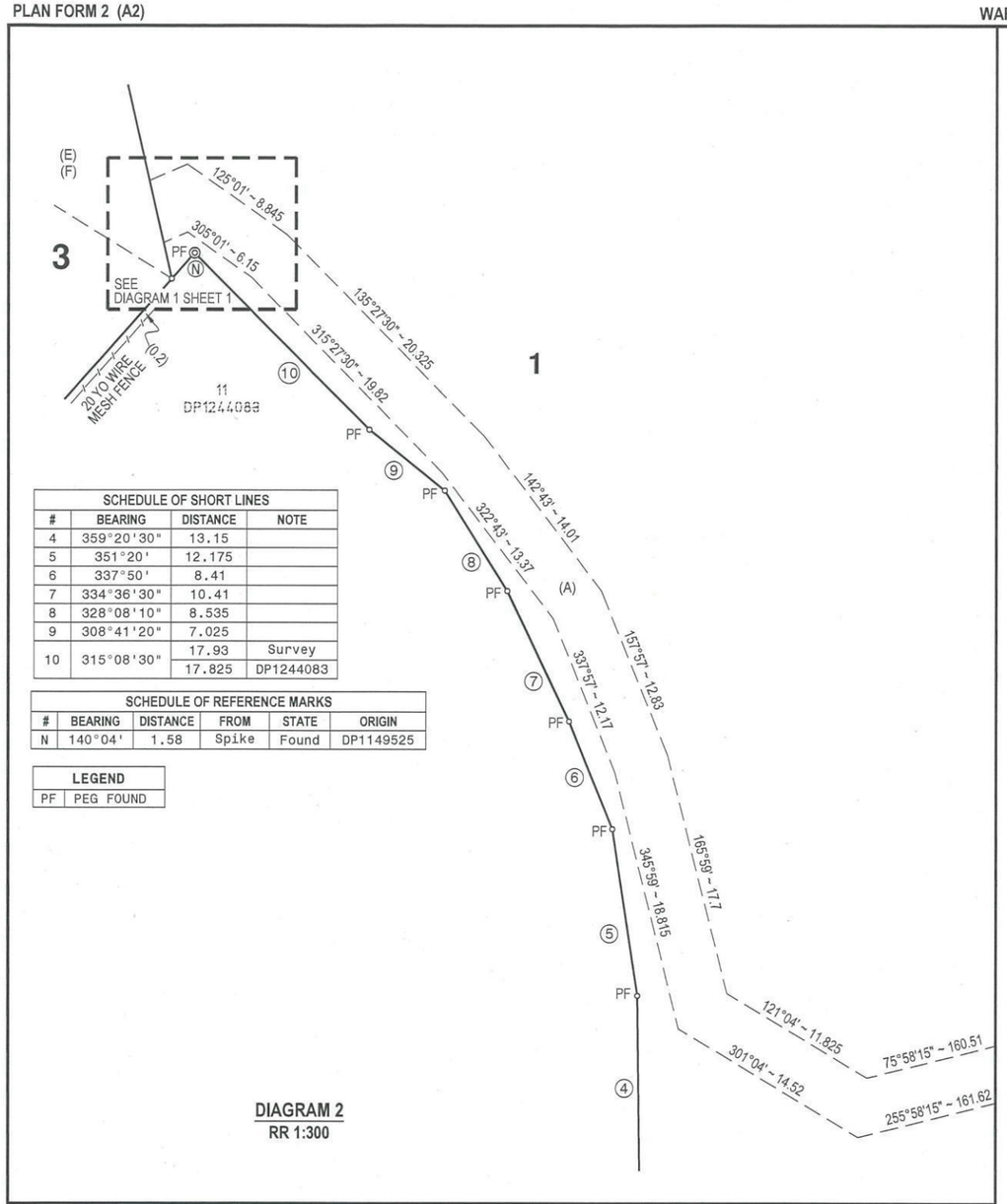
Surveyor:
MICHAEL TRIFIRO
Date: 13/02/2019
Surveyor's Ref: 7202 - 1

PLAN OF SUBDIVISION OF LOT 3990 IN DP1190132 AND LOT 12 IN DP1244083 AND EASEMENTS AFFECTING LOTS 3989 & 3992 IN DP1190132

L G A: PENRITH
Locality: JORDAN SPRINGS
Reduction Ratio 1:1200
Lengths are in metres.

REGISTERED

DP1248137



SCHEDULE OF SHORT LINES			
#	BEARING	DISTANCE	NOTE
4	359°20'30"	13.15	
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8	328°08'10"	8.535	
9	308°41'20"	7.025	
10	315°08'30"	17.93	Survey
		17.825	DP1244083

SCHEDULE OF REFERENCE MARKS					
#	BEARING	DISTANCE	FROM	STATE	ORIGIN
N	140°04'	1.58	Spike	Found	DP1149525

LEGEND	
PF	PEG FOUND

DIAGRAM 2
RR 1:300

MGA
SCIMS

SCHEDULE OF REFERENCE MARKS					
#	BEARING	DISTANCE	FROM	STATE	ORIGIN
H	256°22'50"	20.715	DH&W	Found	DP1179646
	255°13'30"	6.495	DH&W	Found	DP1179646
I	241°32'	8.115	DH&W	Placed	
S	131°57'	6.39	GIP	Placed	

SCHEDULE OF CURVED LINES				
#	BEARING	DISTANCE	RADIUS	ARC
14	167°16'15"	10.495	26.5	10.565
15	142°07'20"	12.58	26.5	12.7

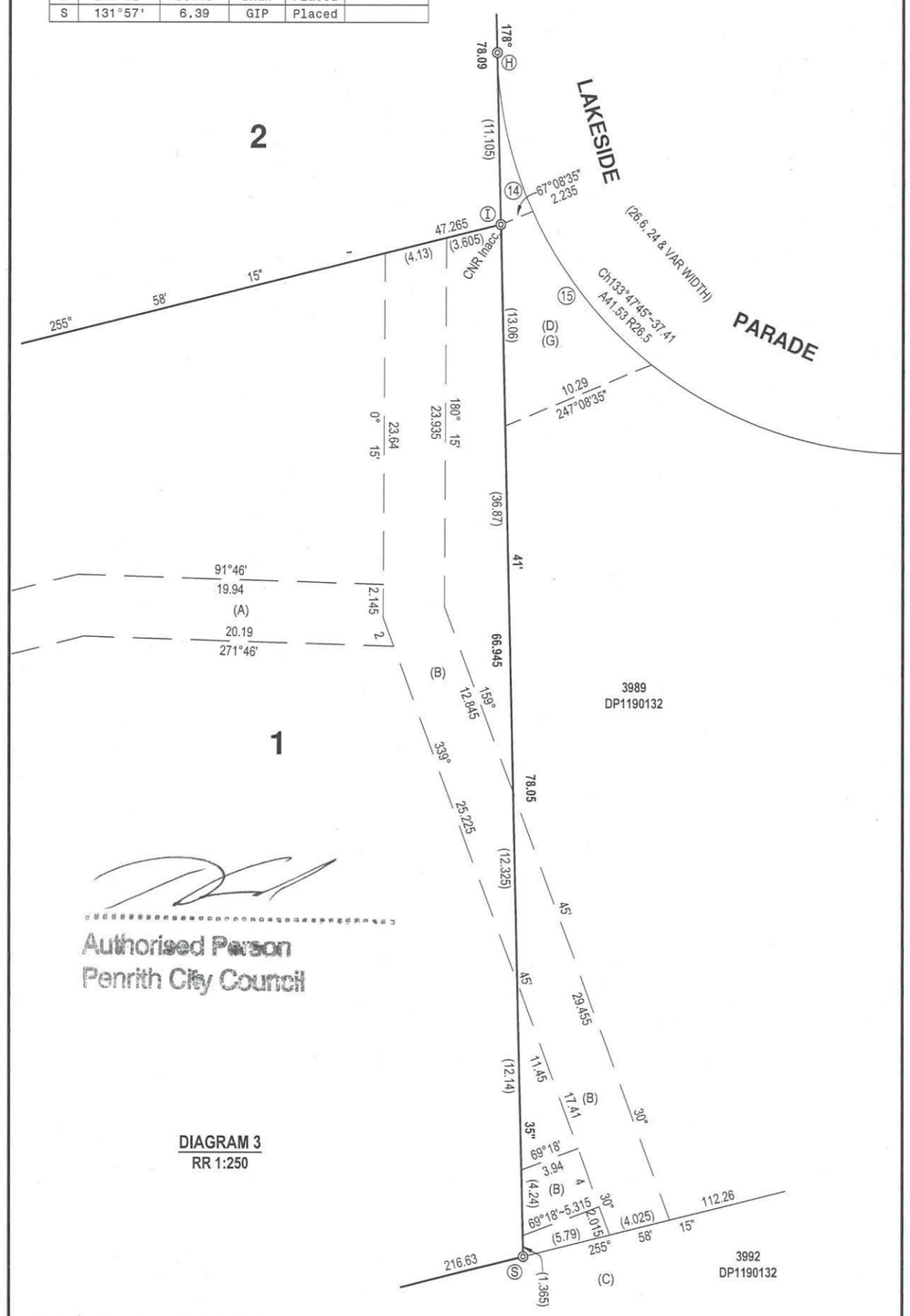

DIAGRAM 3
RR 1:250

EASEMENTS CREATED BY THIS PLAN	
(A)	EASEMENT TO DRAIN WATER 4 WIDE
(B)	EASEMENT TO DRAIN WATER 4 WIDE
(C)	RIGHT OF CARRIAGE WAY (WHOLE OF LOT)
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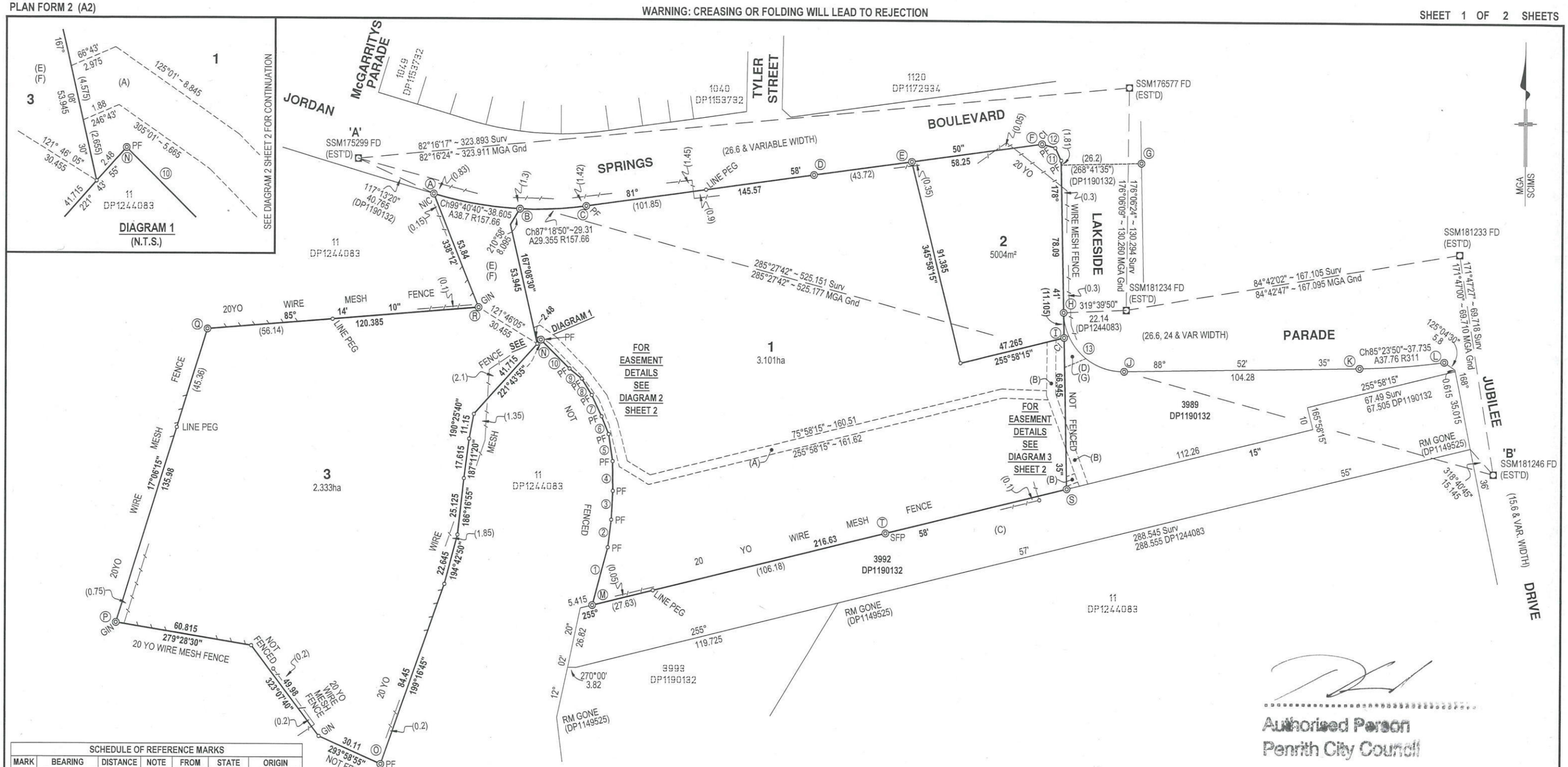
Surveyor: MICHAEL TRIFIRO Date: 13/02/2019 Surveyor's Ref: 7202	PLAN OF SUBDIVISION OF LOT 3990 IN DP1190132 AND LOT 12 IN DP1244083 AND EASEMENTS AFFECTING LOTS 3989 & 3992 IN DP1190132	L G A: PENRITH Locality: JORDAN SPRINGS Reduction Ratio: AS SHOWN Lengths are in metres.	REGISTERED	DP1248137



Authorised Person
Penrith City Council

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MGA ZONE: 56			MGA DATUM: GDA94			

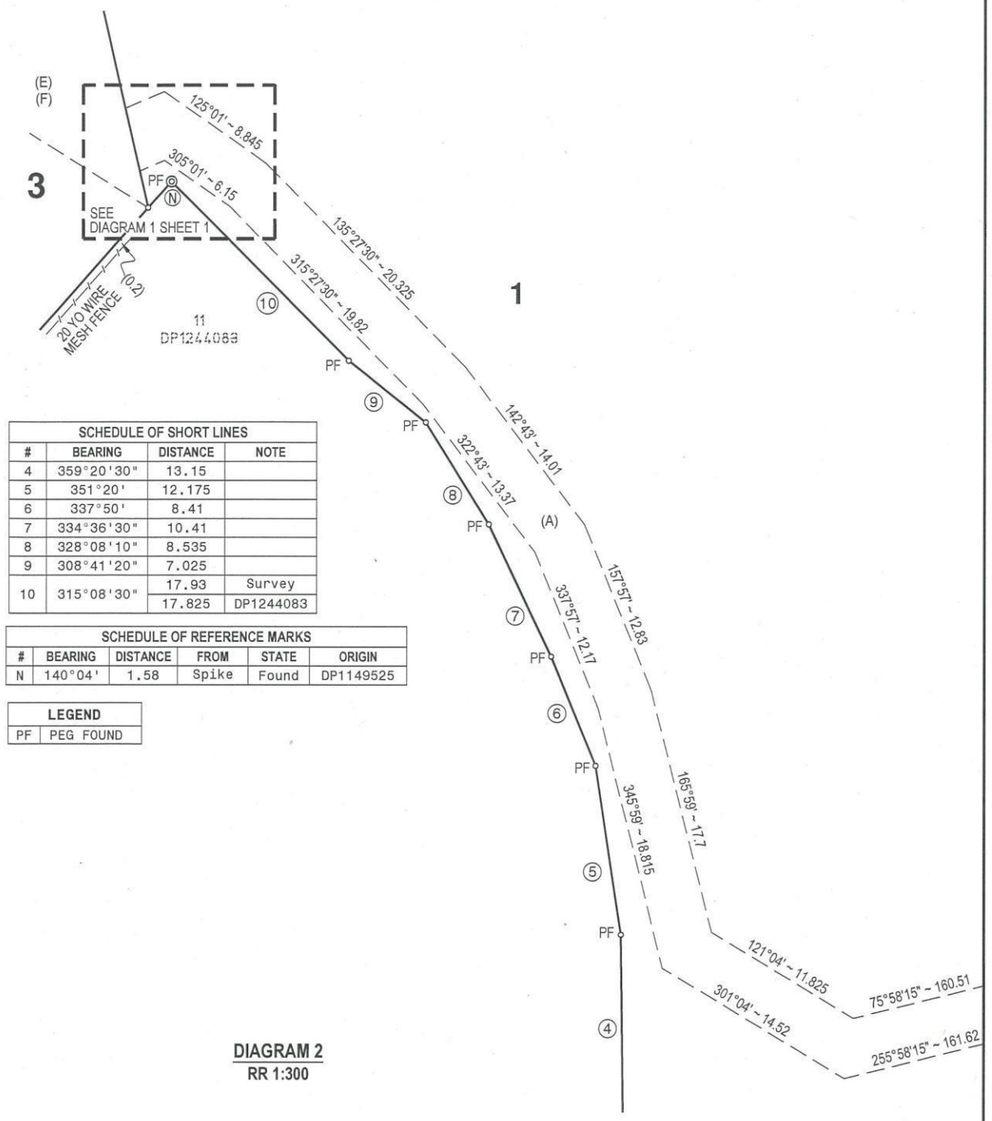
Surveyor:
MICHAEL TRIFIRO
Date: 13/02/2019
Surveyor's Ref: 7202 - 1

PLAN OF SUBDIVISION OF LOT 3990 IN DP1190132 AND LOT 12 IN DP1244083 AND EASEMENTS AFFECTING LOTS 3989 & 3992 IN DP1190132

L G A: PENRITH
Locality: JORDAN SPRINGS
Reduction Ratio 1:1200
Lengths are in metres.

REGISTERED

DP1248137



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10	315°08'30"	17.93	Survey
		17.825	DP1244083

SCHEDULE OF REFERENCE MARKS					
#	BEARING	DISTANCE	FROM	STATE	ORIGIN
N	140°04'	1.58	Spike	Found	DP1149525

LEGEND	
PF	PEG FOUND

DIAGRAM 2
RR 1:300

MGA
SCIMS

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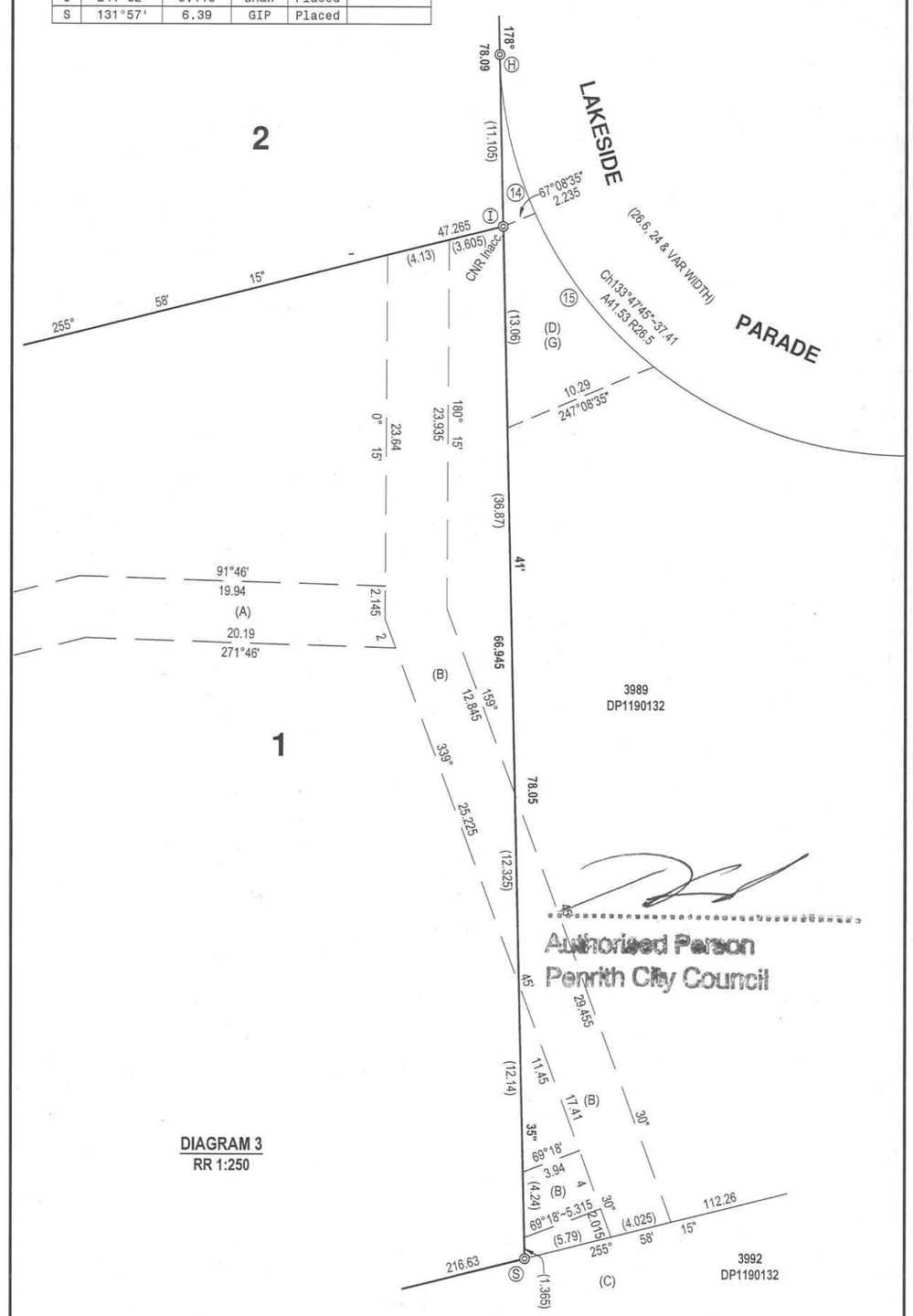

Authorised Person
Penrith City Council

DIAGRAM 3
RR 1:250

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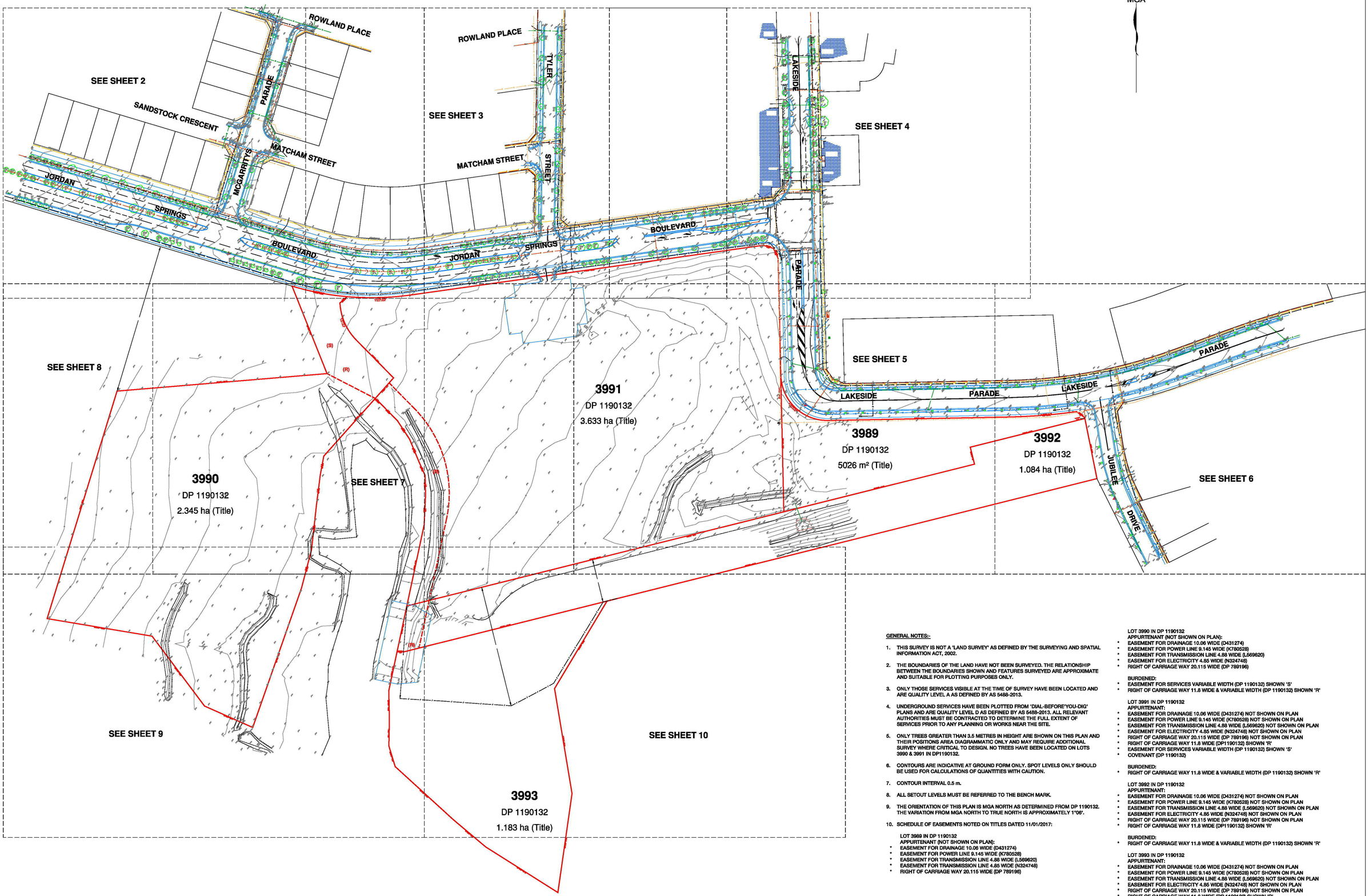
Surveyor: MICHAEL TRIFIRO Date: 13/02/2019 Surveyor's Ref: 7202	PLAN OF SUBDIVISION OF LOT 3990 IN DP1190132 AND LOT 12 IN DP1244083 AND EASEMENTS AFFECTING LOTS 3989 & 3992 IN DP1190132	L G A: PENRITH Locality: JORDAN SPRINGS Reduction Ratio: AS SHOWN Lengths are in metres.	REGISTERED	DP1248137



SEE SHEET 2 FOR LEGEND AND UNDERGROUND SERVICES

10 20 30 40 50 100
1:1000

GENERAL NOTES:-

1. THIS SURVEY IS NOT A 'LAND SURVEY' AS DEFINED BY THE SURVEYING AND SPATIAL INFORMATION ACT, 2002.
2. THE BOUNDARIES OF THE LAND HAVE NOT BEEN SURVEYED. THE RELATIONSHIP BETWEEN THE BOUNDARIES SHOWN AND FEATURES SURVEYED ARE APPROXIMATE AND SUITABLE FOR PLOTTING PURPOSES ONLY.
3. ONLY THOSE SERVICES VISIBLE AT THE TIME OF SURVEY HAVE BEEN LOCATED AND ARE QUALITY LEVEL A AS DEFINED BY AS 5488-2013.
4. UNDERGROUND SERVICES HAVE BEEN PLOTTED FROM 'DIAL-BEFORE'YOU-DIG' PLANS AND ARE QUALITY LEVEL D AS DEFINED BY AS 5488-2013. ALL RELEVANT AUTHORITIES MUST BE CONTRACTED TO DETERMINE THE FULL EXTENT OF SERVICES PRIOR TO ANY PLANNING OR WORKS NEAR THE SITE.
5. ONLY TREES GREATER THAN 3.5 METRES IN HEIGHT ARE SHOWN ON THIS PLAN AND THEIR POSITIONS AREA DIAGRAMMATIC ONLY AND MAY REQUIRE ADDITIONAL SURVEY WHERE CRITICAL TO DESIGN. NO TREES HAVE BEEN LOCATED ON LOTS 3990 & 3991 IN DP1190132.
6. CONTOURS ARE INDICATIVE AT GROUND FORM ONLY. SPOT LEVELS ONLY SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION.
7. CONTOUR INTERVAL 0.5 m.
8. ALL SETOUT LEVELS MUST BE REFERRED TO THE BENCH MARK.
9. THE ORIENTATION OF THIS PLAN IS MGA NORTH AS DETERMINED FROM DP 1190132. THE VARIATION FROM MGA NORTH TO TRUE NORTH IS APPROXIMATELY 1°06'.
10. SCHEDULE OF EASEMENTS NOTED ON TITLES DATED 11/01/2017:

LOT 3989 IN DP 1190132
APPURTENANT (NOT SHOWN ON PLAN):
* EASEMENT FOR DRAINAGE 10.06 WIDE (D431274)
* EASEMENT FOR POWER LINE 9.145 WIDE (K780528)
* EASEMENT FOR TRANSMISSION LINE 4.88 WIDE (L569620)
* EASEMENT FOR TRANSMISSION LINE 4.85 WIDE (N324748)
* RIGHT OF CARRIAGE WAY 20.115 WIDE (DP 789196)

LOT 3990 IN DP 1190132
APPURTENANT (NOT SHOWN ON PLAN):
* EASEMENT FOR DRAINAGE 10.06 WIDE (D431274)
* EASEMENT FOR POWER LINE 9.145 WIDE (K780528)
* EASEMENT FOR TRANSMISSION LINE 4.88 WIDE (L569620)
* EASEMENT FOR ELECTRICITY 4.85 WIDE (N324748)
* RIGHT OF CARRIAGE WAY 20.115 WIDE (DP 789196)

BURDENED:
* EASEMENT FOR SERVICES VARIABLE WIDTH (DP 1190132) SHOWN 'S'
* RIGHT OF CARRIAGE WAY 11.8 WIDE & VARIABLE WIDTH (DP 1190132) SHOWN 'R'

LOT 3991 IN DP 1190132
APPURTENANT:
* EASEMENT FOR DRAINAGE 10.06 WIDE (D431274) NOT SHOWN ON PLAN
* EASEMENT FOR POWER LINE 9.145 WIDE (K780528) NOT SHOWN ON PLAN
* EASEMENT FOR TRANSMISSION LINE 4.88 WIDE (L569620) NOT SHOWN ON PLAN
* EASEMENT FOR ELECTRICITY 4.85 WIDE (N324748) NOT SHOWN ON PLAN
* RIGHT OF CARRIAGE WAY 20.115 WIDE (DP 789196) NOT SHOWN ON PLAN
* RIGHT OF CARRIAGE WAY 11.8 WIDE (DP1190132) SHOWN 'R'
* EASEMENT FOR SERVICES VARIABLE WIDTH (DP 1190132) SHOWN 'S'
* COVENANT (DP 1190132)

BURDENED:
* RIGHT OF CARRIAGE WAY 11.8 WIDE & VARIABLE WIDTH (DP 1190132) SHOWN 'R'

LOT 3992 IN DP 1190132
APPURTENANT:
* EASEMENT FOR DRAINAGE 10.06 WIDE (D431274) NOT SHOWN ON PLAN
* EASEMENT FOR POWER LINE 9.145 WIDE (K780528) NOT SHOWN ON PLAN
* EASEMENT FOR TRANSMISSION LINE 4.88 WIDE (L569620) NOT SHOWN ON PLAN
* EASEMENT FOR ELECTRICITY 4.85 WIDE (N324748) NOT SHOWN ON PLAN
* RIGHT OF CARRIAGE WAY 20.115 WIDE (DP 789196) NOT SHOWN ON PLAN
* RIGHT OF CARRIAGE WAY 11.8 WIDE (DP1190132) SHOWN 'R'

BURDENED:
* RIGHT OF CARRIAGE WAY 11.8 WIDE & VARIABLE WIDTH (DP 1190132) SHOWN 'R'

LOT 3993 IN DP 1190132
APPURTENANT:
* EASEMENT FOR DRAINAGE 10.06 WIDE (D431274) NOT SHOWN ON PLAN
* EASEMENT FOR POWER LINE 9.145 WIDE (K780528) NOT SHOWN ON PLAN
* EASEMENT FOR TRANSMISSION LINE 4.88 WIDE (L569620) NOT SHOWN ON PLAN
* EASEMENT FOR ELECTRICITY 4.85 WIDE (N324748) NOT SHOWN ON PLAN
* RIGHT OF CARRIAGE WAY 20.115 WIDE (DP 789196) NOT SHOWN ON PLAN
* RIGHT OF CARRIAGE WAY 11.8 WIDE (DP 1190132) SHOWN 'R'

11. COVENANTS AND RESTRICTIONS ARE NOTED ON ALL TITLES. THESE HAVE NOT BEEN INVESTIGATED.
12. MGA COORDINATES ARE BASED ON SSM 175299 (CLASS C ORDER 3)

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C	15/01/18	ADDITIONAL INFORMATION LOTS 3390 & 3391 DP1190132
D	11/05/18	ADDITIONAL INFORMATION

CLIENT: LENDLEASE

SCALE 1:1000
ORIGIN OF LEVELS: SSM 80426 RL 47.288
DATUM: A.H.D.
REF.: 7202
DATE: 11/05/2018
SURV/CHK: SW/CT
SHEET 1 OF 10 SHEETS
PLAN A1
ISSUE D

DETAIL AND LEVEL SURVEY OF PART OF
JORDAN SPRINGS BOULEVARD, LAKESIDE PARADE & JUBILEE DRIVE
JORDAN SPRINGS

SDG LAND DEVELOPMENT SOLUTIONS
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UNDERGROUND SERVICES LEGEND - QUALITY LEVEL D (AS 5488-2013)

- POTABLE WATER MAIN
- STORMWATER PIPE
- SEWER MAIN
- COMMUNICATIONS CABLES
- ELECTRICITY CABLES
- GAS MAIN
- UNIDENTIFIED SERVICES

APPROXIMATE POSITION ONLY VIDE 'DIAL-BEFORE-YOU-DIG' PLANS JOB No. 11675307. WHERE CRITICAL TO DESIGN, UNDERGROUND SERVICES SHOULD BE LOCATED BY MORE ACCURATE METHODS.

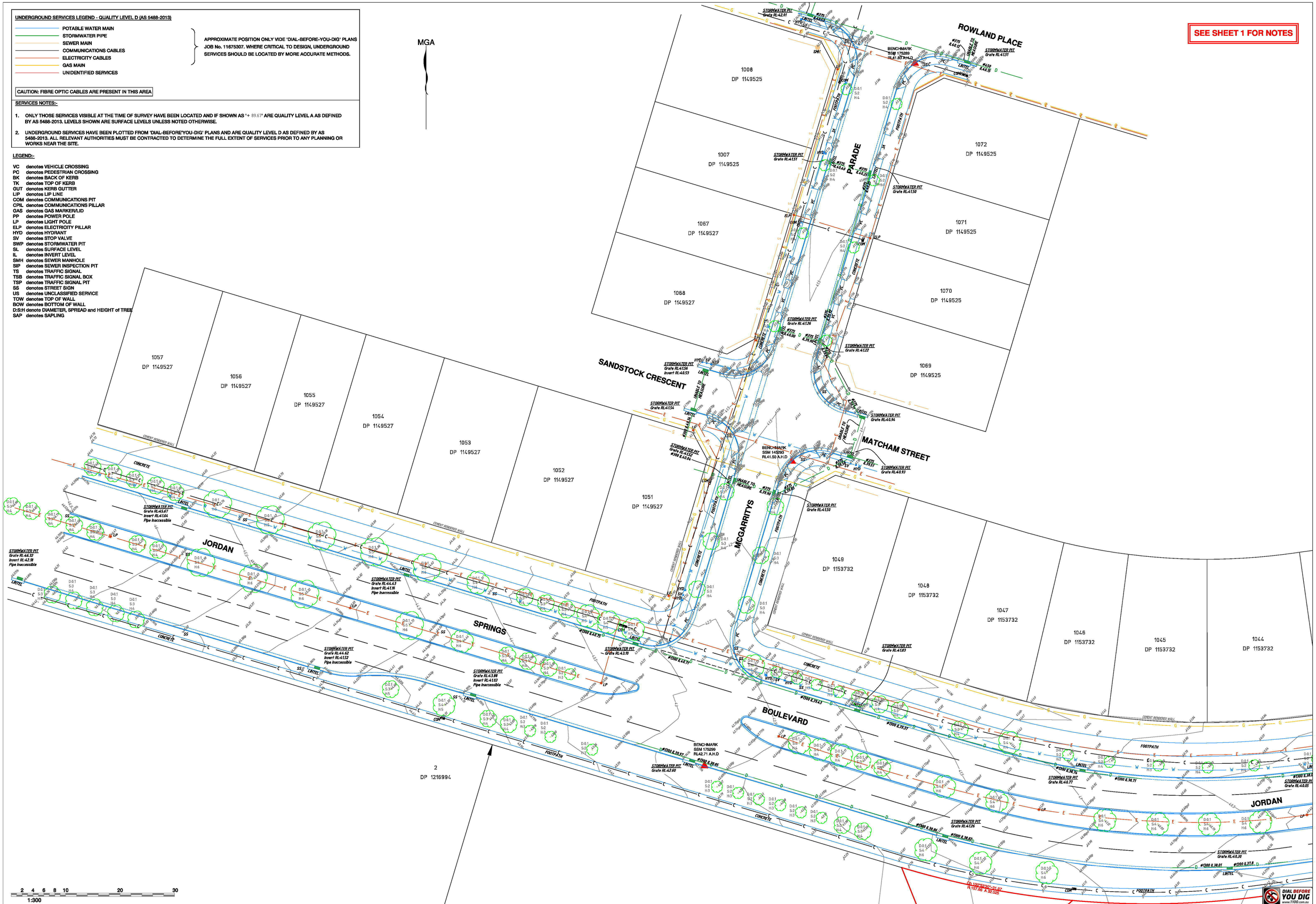
CAUTION: FIBRE OPTIC CABLES ARE PRESENT IN THIS AREA

SERVICES NOTES:-

1. ONLY THOSE SERVICES VISIBLE AT THE TIME OF SURVEY HAVE BEEN LOCATED AND IF SHOWN AS '+ 89.67' ARE QUALITY LEVEL A AS DEFINED BY AS 5488-2013. LEVELS SHOWN ARE SURFACE LEVELS UNLESS NOTED OTHERWISE.
2. UNDERGROUND SERVICES HAVE BEEN PLOTTED FROM 'DIAL-BEFORE'YOU-DIG' PLANS AND ARE QUALITY LEVEL D AS DEFINED BY AS 5488-2013. ALL RELEVANT AUTHORITIES MUST BE CONTRACTED TO DETERMINE THE FULL EXTENT OF SERVICES PRIOR TO ANY PLANNING OR WORKS NEAR THE SITE.

LEGEND:-

VC denotes VEHICLE CROSSING
PC denotes PEDESTRIAN CROSSING
BK denotes BACK OF KERB
TK denotes TOP OF KERB
GUT denotes KERB GUTTER
LIP denotes LIP LINE
COM denotes COMMUNICATIONS PIT
CPIL denotes COMMUNICATIONS PILLAR
GAS denotes GAS MARKER/LID
PP denotes POWER POLE
LP denotes LIGHT POLE
ELP denotes ELECTRICITY PILLAR
HYD denotes HYDRANT
SV denotes STOP VALVE
SWP denotes STORMWATER PIT
SL denotes SURFACE LEVEL
IL denotes INVERT LEVEL
SMH denotes SEWER MANHOLE
SIP denotes SEWER INSPECTION PIT
TS denotes TRAFFIC SIGNAL
TSB denotes TRAFFIC SIGNAL BOX
TSP denotes TRAFFIC SIGNAL PIT
SS denotes STREET SIGN
US denotes UNCLASSIFIED SERVICE
TOW denotes TOP OF WALL
BOW denotes BOTTOM OF WALL
D:S:H denote DIAMETER, SPREAD and HEIGHT of TREE
SAP denotes SAPLING



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CLIENT: LENDLEASE

SCALE 1:300
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SHEET 2 OF 10 SHEETS
PLAN A1
ISSUE D

DETAIL AND LEVEL SURVEY OF PART OF JORDAN SPRINGS BOULEVARD, LAKESIDE PARADE & JUBILEE DRIVE JORDAN SPRINGS

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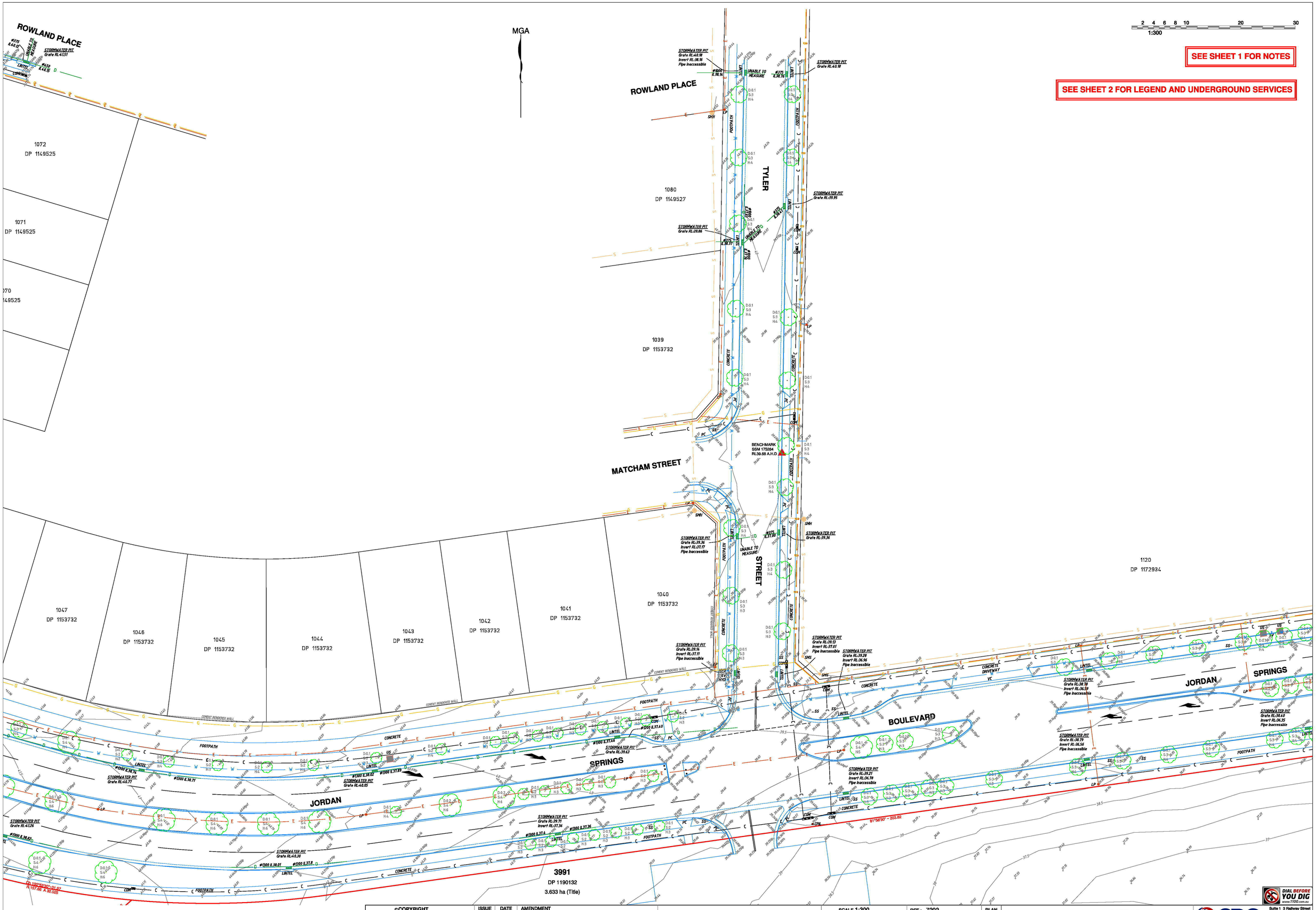

SEE SHEET 1 FOR NOTES

SEE SHEET 2 FOR LEGEND AND UNDERGROUND SERVICES

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DATE: 11/05/2018
SURV/CHK: SW/CT
SHEET 3 OF 10 SHEETS
PLAN A1
ISSUE D

DETAIL AND LEVEL SURVEY OF PART OF JORDAN SPRINGS BOULEVARD, LAKESIDE PARADE & JUBILEE DRIVE JORDAN SPRINGS

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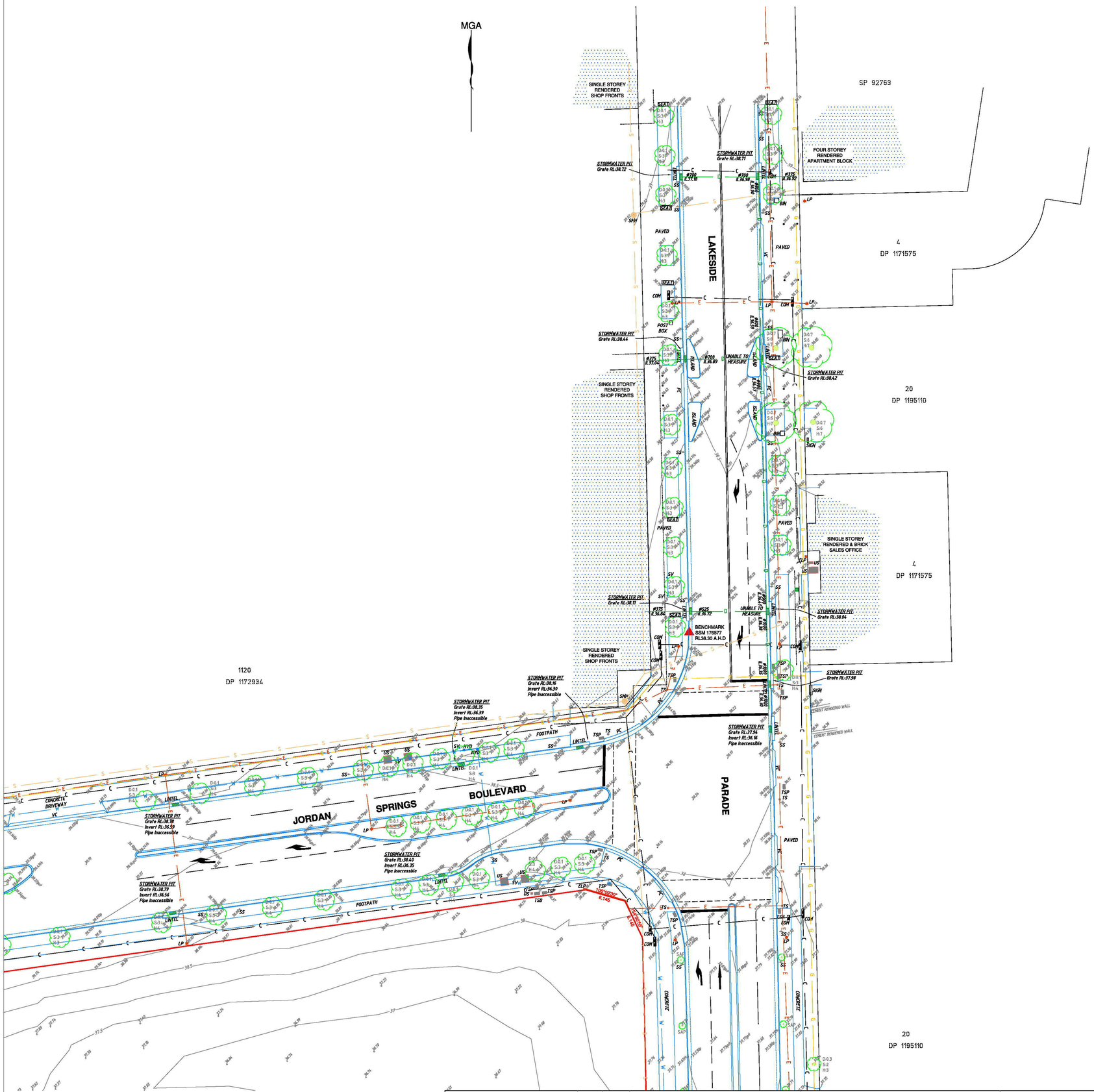

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SCALE 1:300

ORIGIN OF LEVELS: SSM 80426 RL 47.288

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DATE: 11/05/2018

SURV/CHK: SW/CT

SHEET 4 OF 10 SHEETS

PLAN A1

ISSUE D

DETAIL AND LEVEL SURVEY OF PART OF JORDAN SPRINGS BOULEVARD, LAKESIDE PARADE & JUBILEE DRIVE JORDAN SPRINGS

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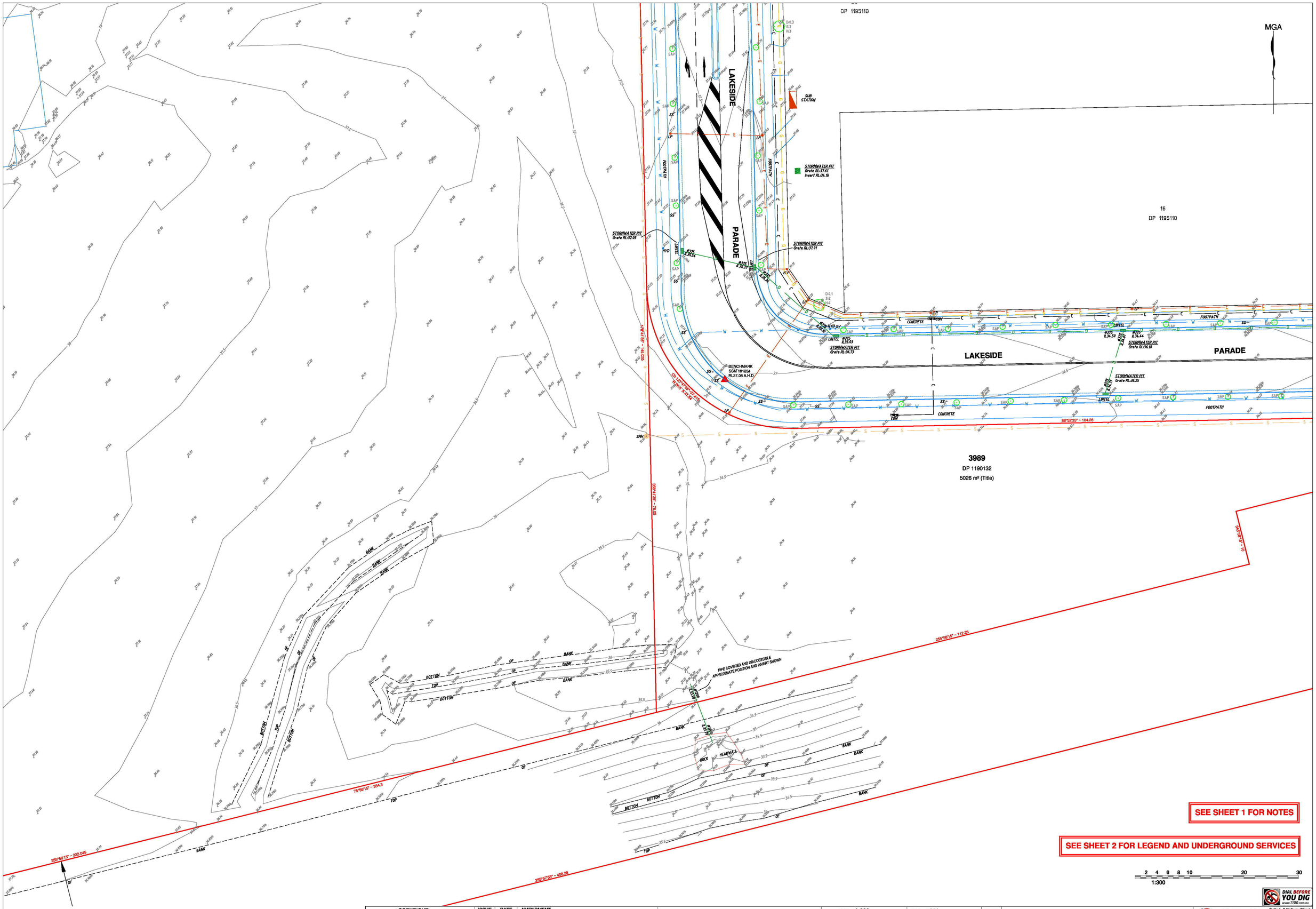

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SHEET 5 OF 10 SHEETS
PLAN A1
ISSUE D

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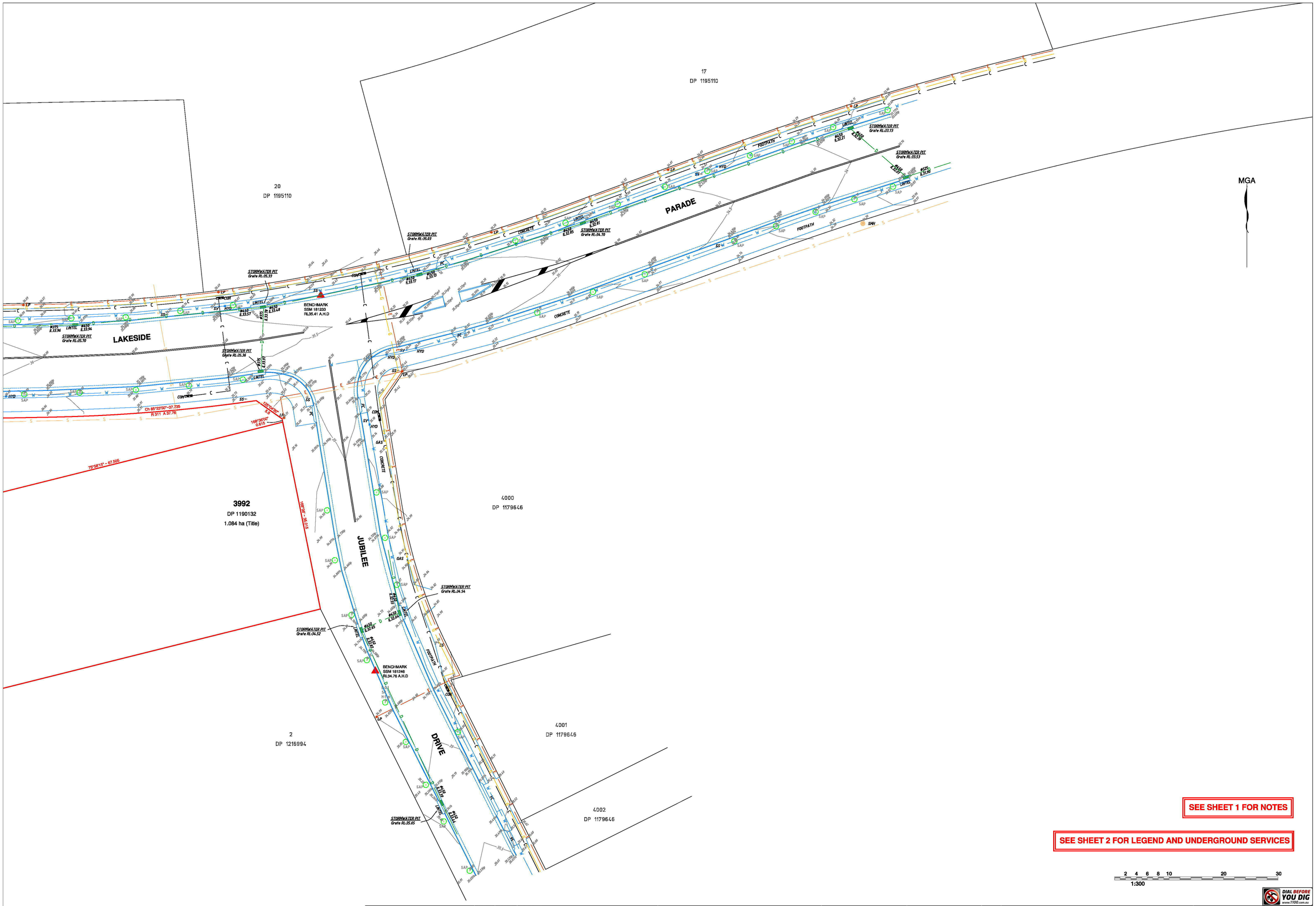

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SEE SHEET 2 FOR LEGEND AND UNDERGROUND SERVICES

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1:300

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SHEET 6 OF 10 SHEETS

PLAN A1
ISSUE D

DETAIL AND LEVEL SURVEY OF PART OF JORDAN SPRINGS BOULEVARD, LAKESIDE PARADE & JUBILEE DRIVE JORDAN SPRINGS

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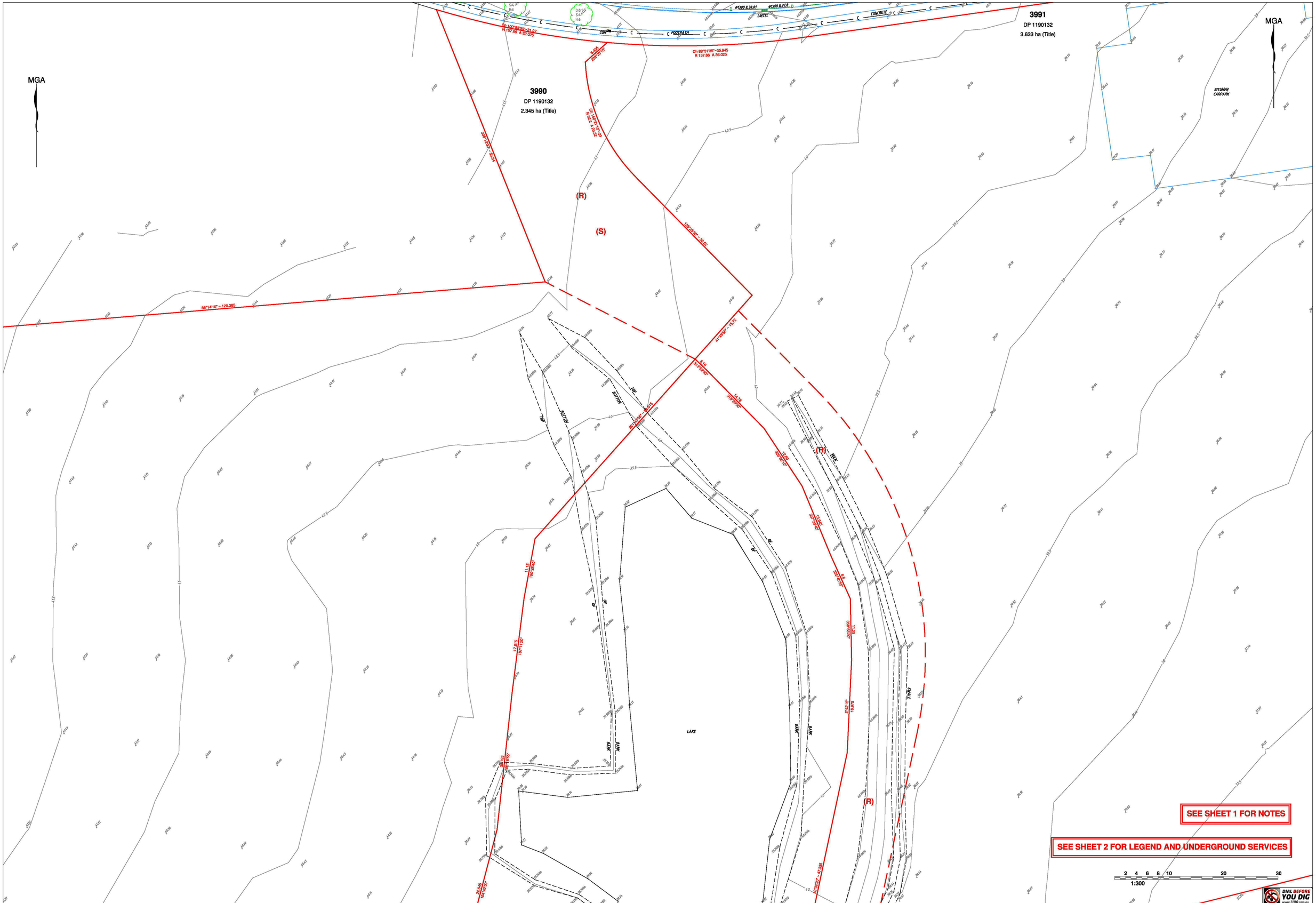

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SHEET 7 OF 10 SHEETS
PLAN A1
ISSUE D

DETAIL AND LEVEL SURVEY OF PART OF JORDAN SPRINGS BOULEVARD, LAKESIDE PARADE & JUBILEE DRIVE JORDAN SPRINGS

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MGA

ISSUE	DATE	AMENDMENT
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SHEET 8 OF 10 SHEETS

PLAN A1
ISSUE D

DETAIL AND LEVEL SURVEY OF PART OF JORDAN SPRINGS BOULEVARD, LAKESIDE PARADE & JUBILEE DRIVE JORDAN SPRINGS

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SURV/CHK: SW/CT

SHEET 9 OF 10 SHEETS

PLAN A1

ISSUE D

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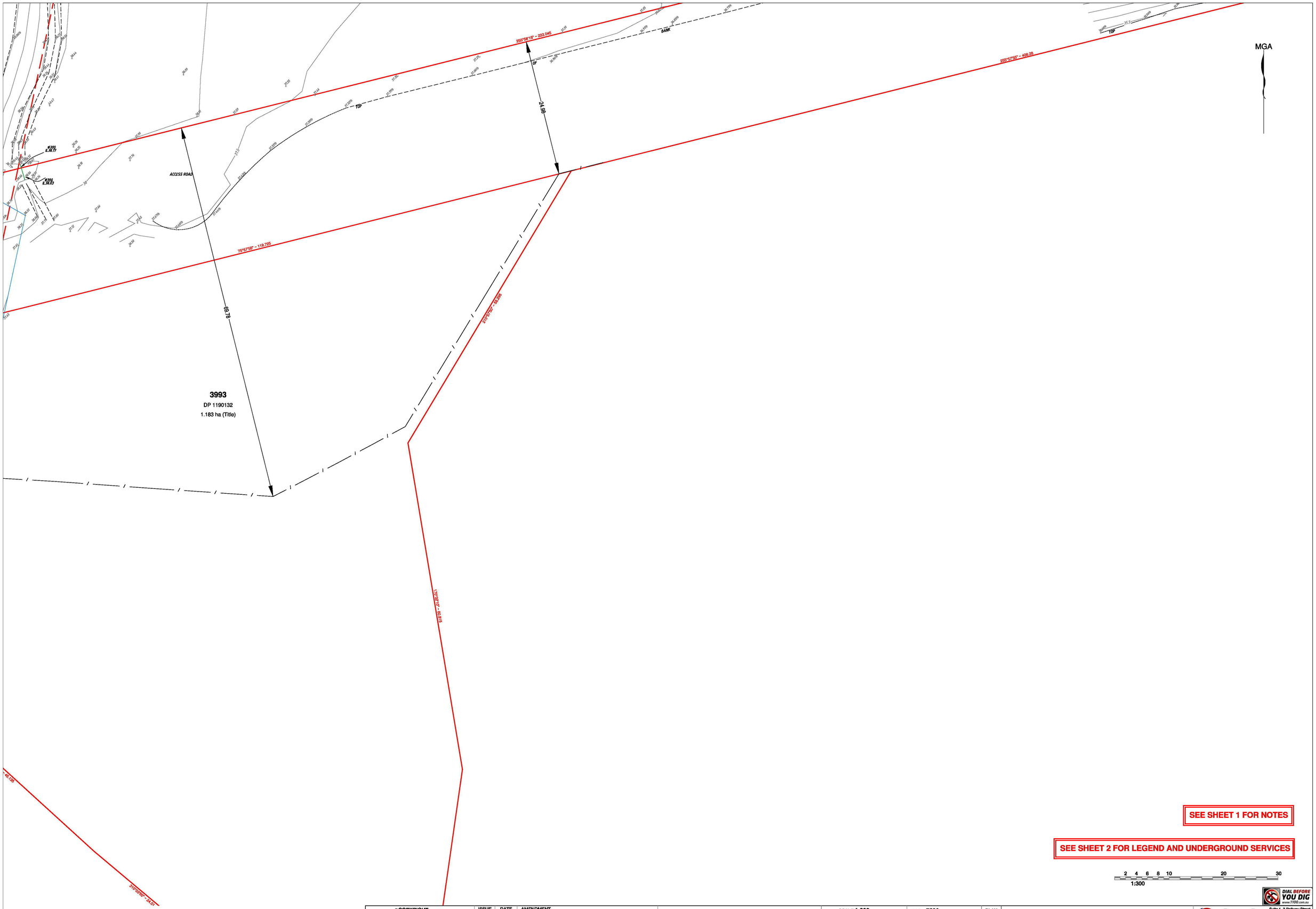

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SHEET 10 OF 10 SHEETS

PLAN A1

ISSUE D

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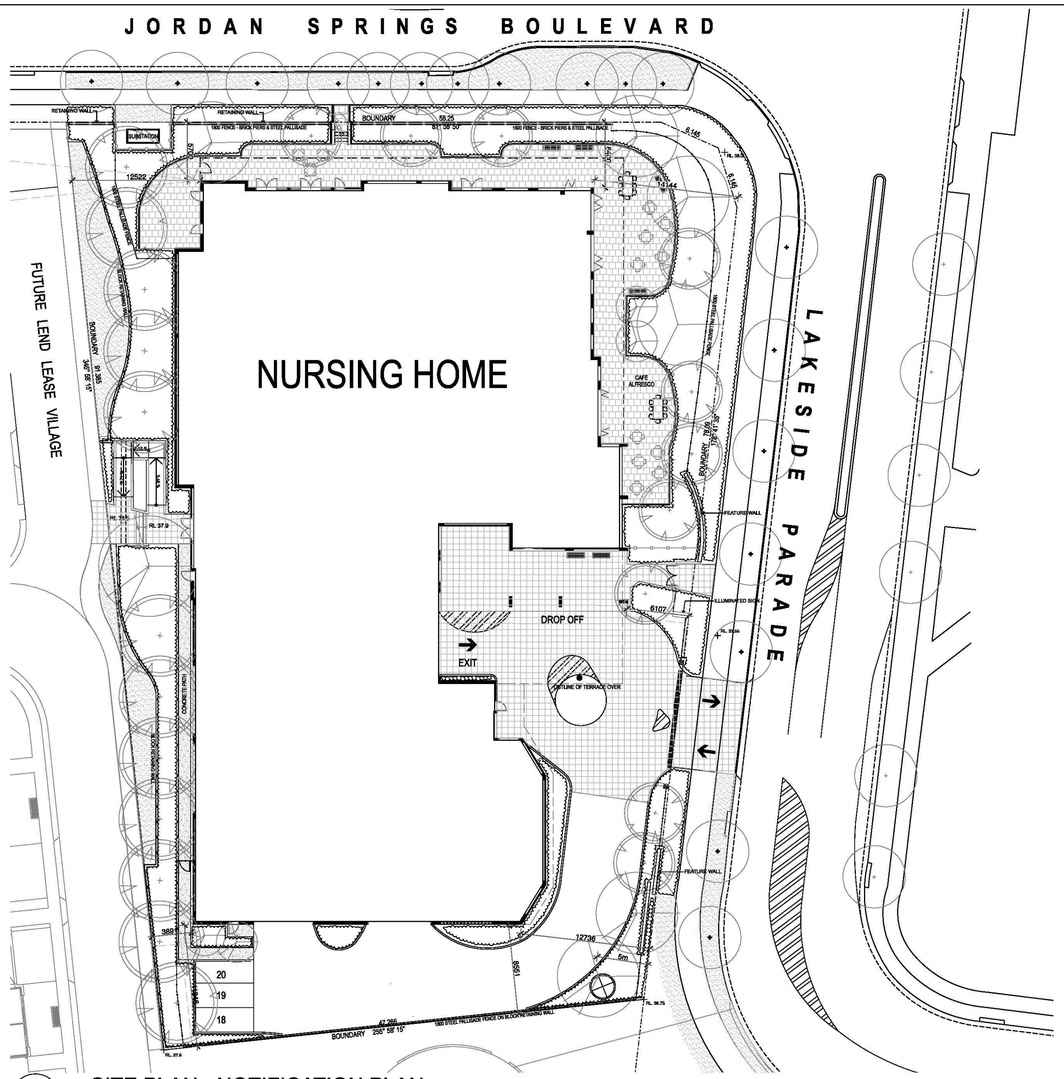


1 SITE PLAN - NOTIFICATION PLAN

2 North Elevation
1:300

3 East Elevation

4 West Elevation

5 South Elevation

ISSUE	DESCRIPTION	DATE	AUTH
1	DA ISSUE	30.04.19	RM

Project North

Project

CATHOLIC HEALTHCARE JORDAN SPRINGS

CNR JORDAN SPRINGS BOULEVARD & LAKESIDE PARADE - JORDAN SPRINGS

Client

catholic healthcare

Architect

young+metcalf architects
SUITE 401, 55 MILLER STREET
PYRMONT, NSW 2009
TEL: (02) 9566 4798
ABN: 53 002 802 128
BERADE PTY LTD TRADING AS YOUNG + METCALF ARCHITECTS
www.youngandmetcalf.com.au

Project Manager

Drawing Title:
NOTIFICATION PLAN

Scale: N.T.S	Drawing No.: NP-01
Drawn:	
Date: APRIL 2019	Issue: 1
Project No: 18148	
Plot Date:	9/05/2019

DRAWING SCHEDULE

No:	TITLE	SCALE
DA-000	COVER PAGE	NTS
DA-010	REGIONAL CONTEXT	NTS
DA-011	LOCAL CONTEXT	NTS
DA-015	SITE ANALYSIS	NTS
DA-020	SITE SURVEY/ DEMOLITION PLAN	1:200
DA-100	SITE PLAN	1:200
DA-110	SITE WORKS PLAN	1:100
DA-111	SITE WORKS PLAN	1:100
DA-130	SITE SECTIONS	1:200
DA-200	GROUND FLOOR PLAN	1:200
DA-201	LEVEL 1 FLOOR PLAN	1:200
DA-202	LEVEL 2 FLOOR PLAN	1:200
DA-203	LEVEL 3 FLOOR PLAN	1:200
DA-204	LEVEL 4 FLOOR PLAN	1:200
DA-205	ROOF PLAN	1:200
DA-240	FIRE & SMOKE COMPARTMENTATION PLANS	1:300
DA-300	ELEVATIONS	1:200
DA-500	SIGNAGE	1:500, 1:200
DA-900	SHADOW DIAGRAMS	NTS
DA-1000	SCHEDULE OF FINISHES	NTS
DA-1001	SCHEDULE OF FINISHES	NTS

DEVELOPMENT SUMMARY

Development Type:	Nursing Home
Accommodation:	144 Beds
Site Area:	5000 m^2
Gross Floor Area:	9454 m^2
Landscape Area:	1433 m^2
Parking Provided:	30 Cars (2 x Accessible)
	1 x Ambulance Bay

LOCATION PLAN NTS

CATHOLIC HEALTHCARE - JORDAN SPRINGS

DEVELOPMENT APPLICATION

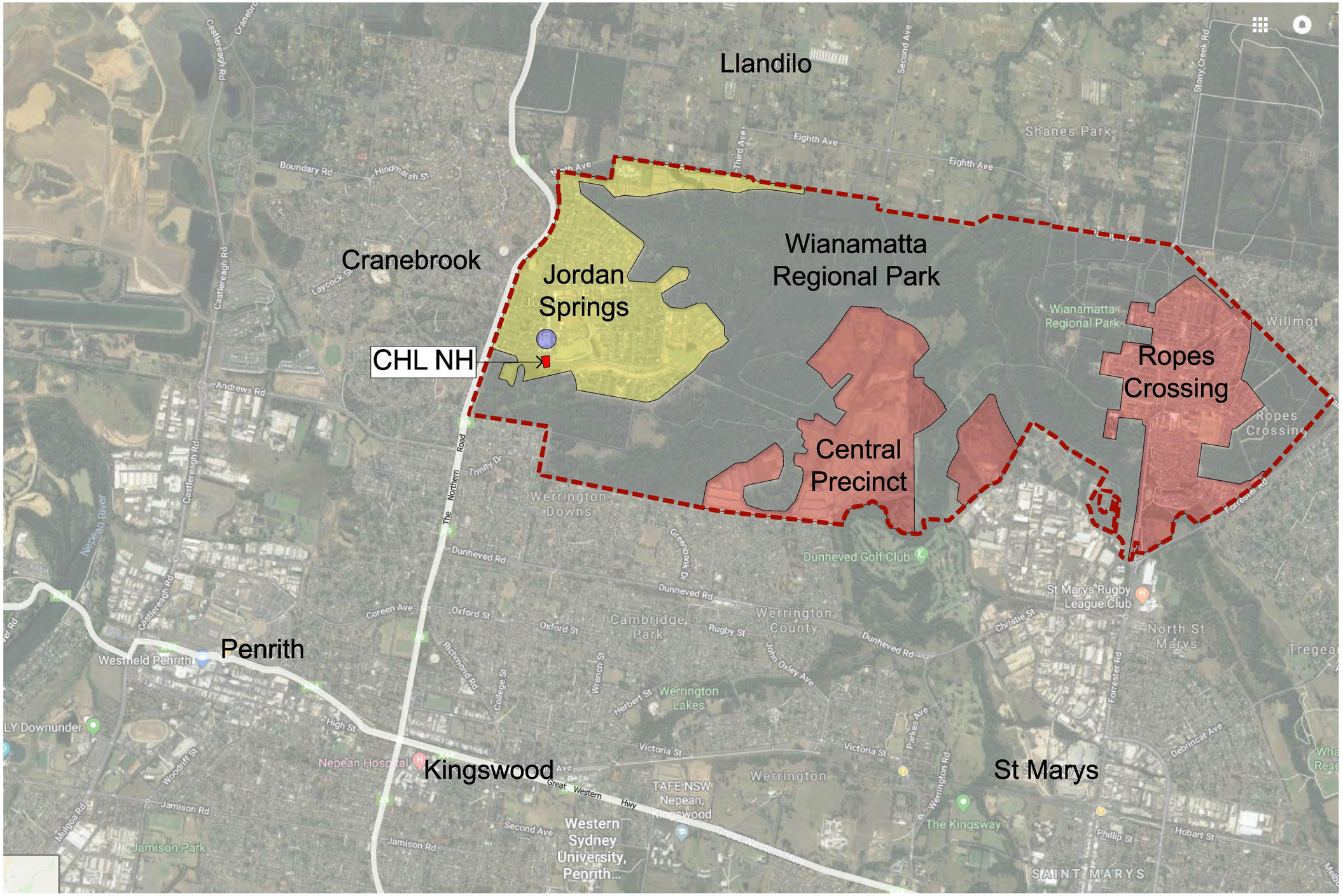
JORDAN SPRINGS BOULEVARD

catholic healthcare

young+metcalf architects

SUITE 401, 55 MILLER STREET
PYRMONT, NSW 2009
TEL: (02) 9566 4798

PROJECT #18148



Key

- St Marys (SREP 30) Boundary
- Jordan Springs Village
- Other planned or completed development with SREP 30
- Jordan Springs Centre
- Proposed Nursing Home Site

ISSUE	DESCRIPTION	DATE	AUTH
1	DA ISSUE	30.04.19	RM

Project North

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catholic healthcare

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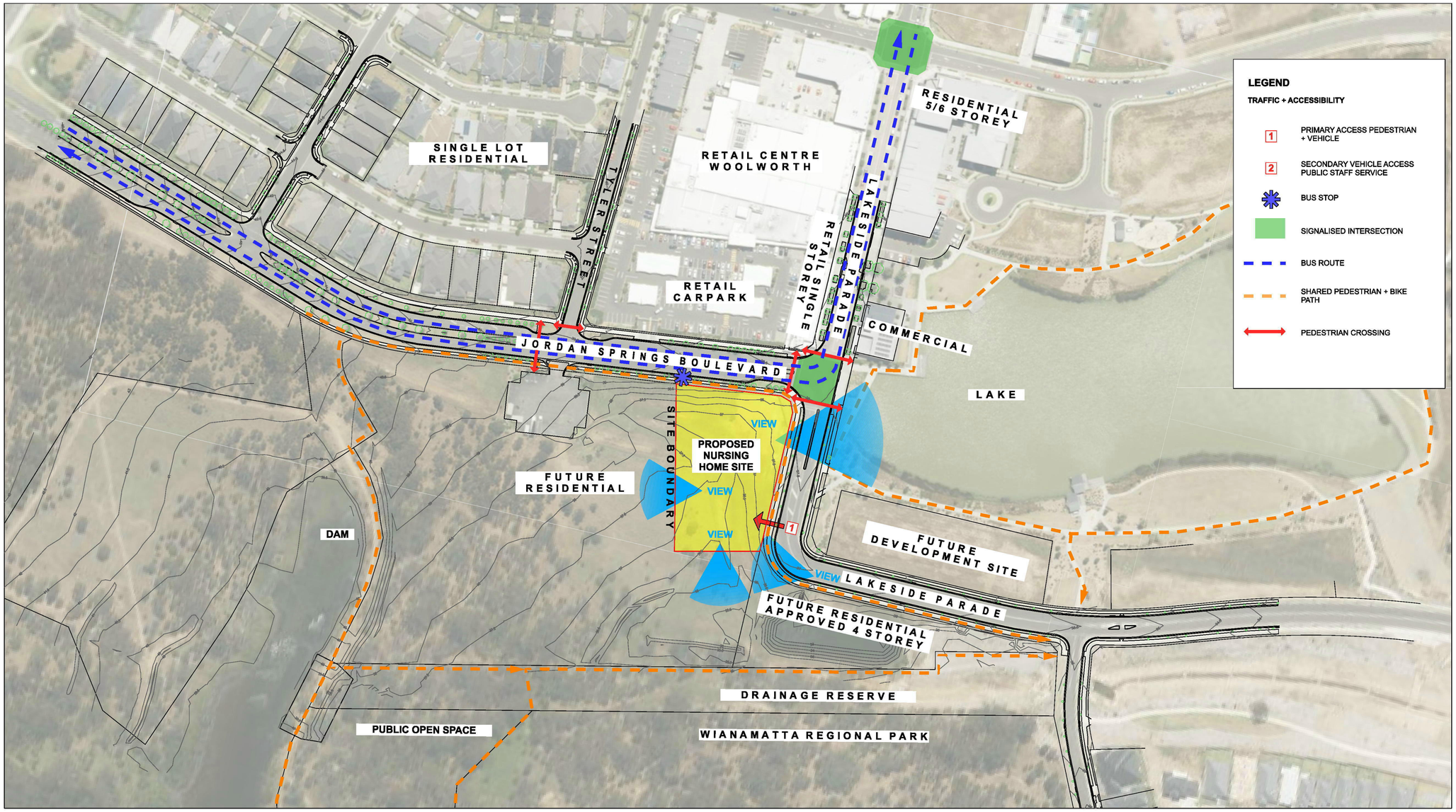
www.youngandmetcalf.com.au

Project Manager

Drawing Title:

REGIONAL CONTEXT

Scale: N.T.S	Drawing No.: DA-010
Drawn:	
Date: JULY 2018	Issue: 1
Project No: 18148	
Plot Date: 9/05/2019	




VIEW EAST FROM JORDAN SPRINGS BOULEVARD


VIEW WEST FROM ACROSS LAKE


SITE VIEW FROM NORTH EAST


VIEW WEST FROM LAKESIDE PARADE


VIEW NORTH FROM LAKESIDE PARADE

ISSUE	DESCRIPTION	DATE	AUTH
1	DA ISSUE	30.04.19	RM

Project North

Project
CATHOLIC HEALTHCARE JORDAN SPRINGS
CNR JORDAN SPRINGS BOULEVARD & LAKESIDE PARADE - JORDAN SPRINGS

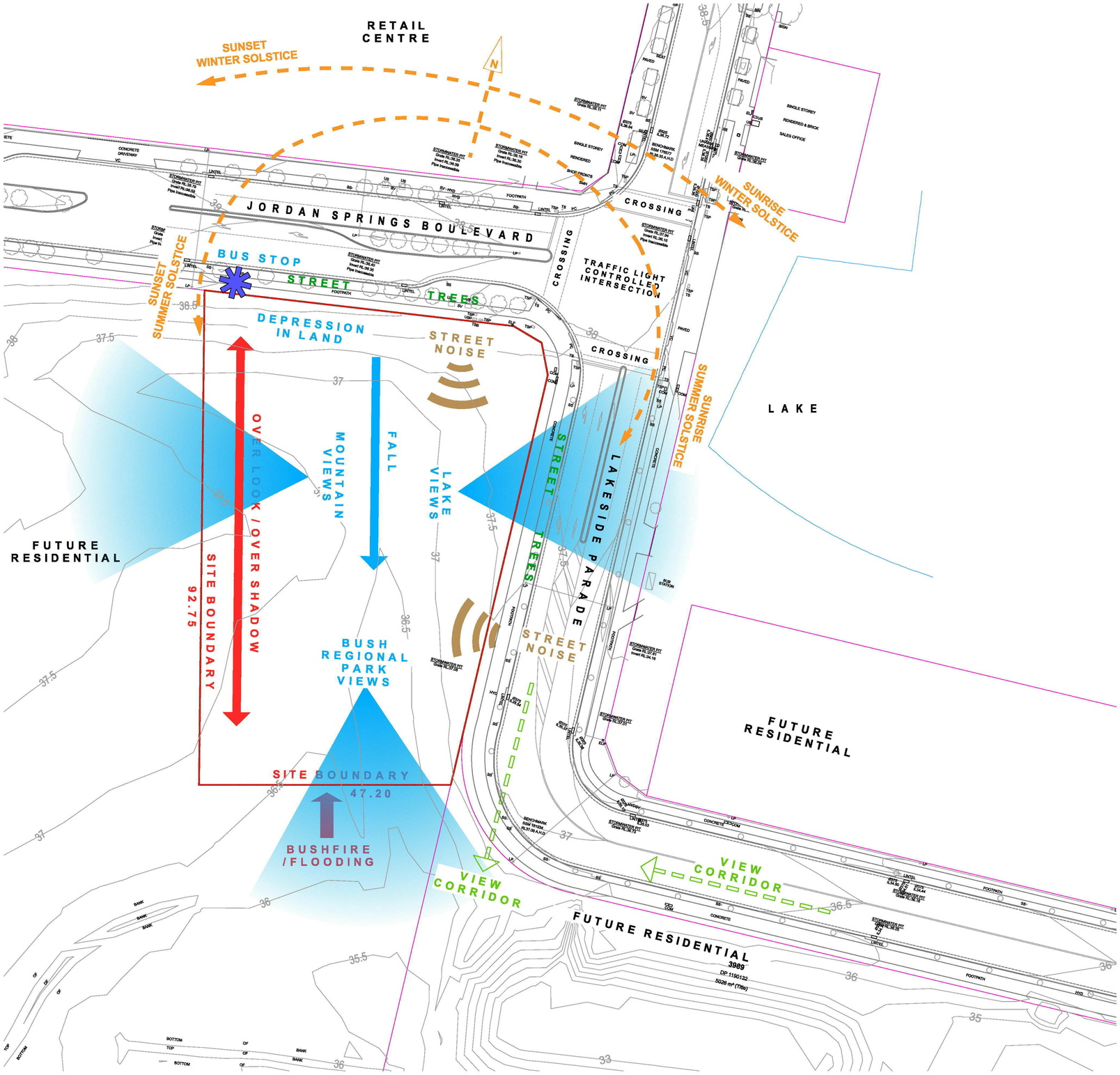
Client
catholic healthcare

Architect
young+metcalf architects
SUITE 401, 55 MILLER STREET
PYRMONT, NSW 2009
TEL: (02) 9566 4756
ABN: 53 002 802 128
BERADE PTY LTD TRADING AS YOUNG + METCALF ARCHITECTS
www.youngandmetcalf.com.au

Project Manager

Drawing Title:
LOCAL CONTEXT

Scale: N.T.S
Drawing No.: **DA-011**
Drawn:
Date: JULY 2018
Issue: 1
Project No: **18148**
Plot Date: 9/05/2019



ISSUE	DESCRIPTION	DATE	AUTH
1	DA ISSUE	30.04.19	RM

Project North

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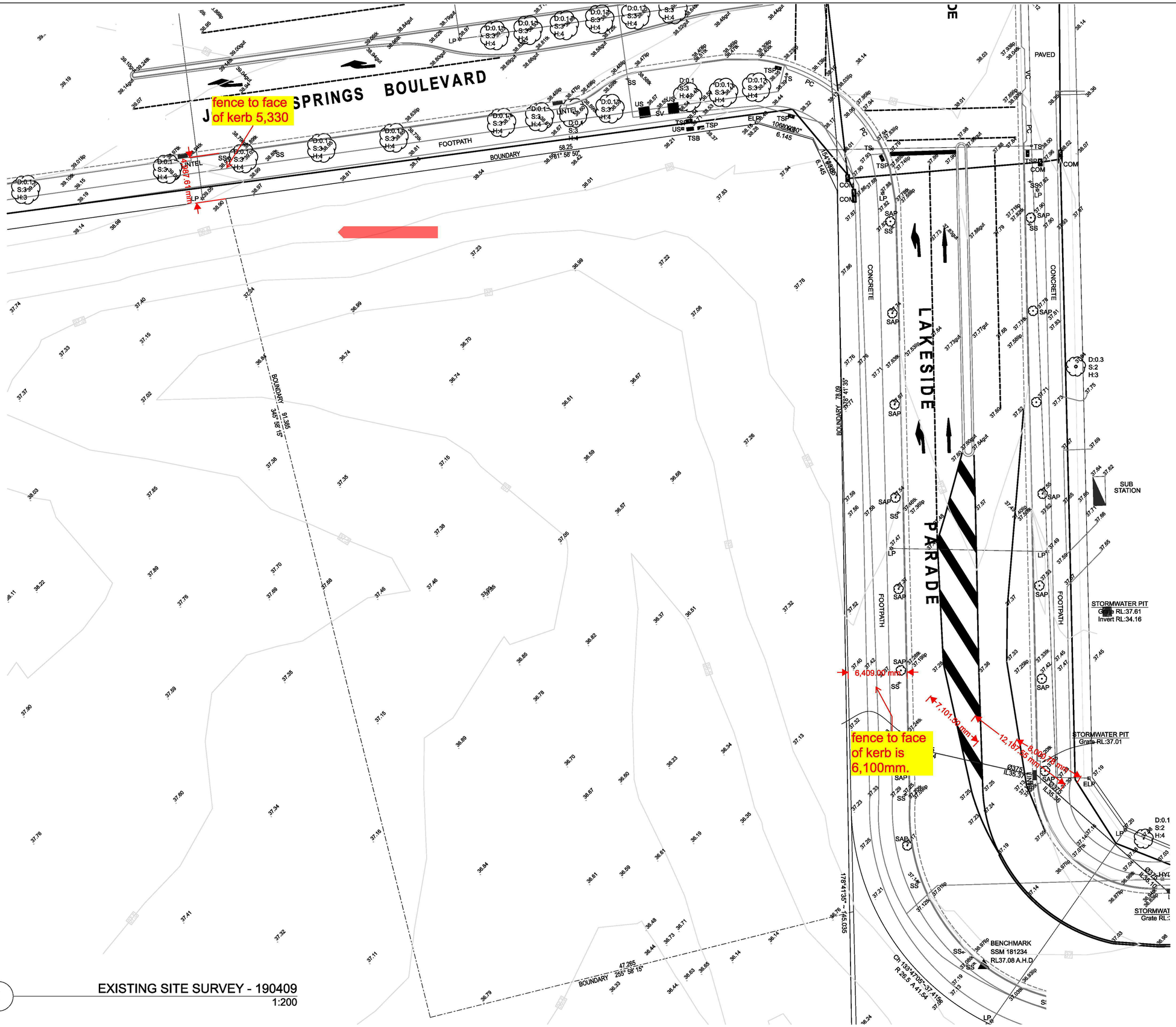
Project Manager

Drawing Title:

SITE ANALYSIS

Scale: N.T.S	Drawing No.: DA-015
Drawn:	
Date: JULY 2018	Issue: 1
Project No: 18148	
Plot Date: 9/05/2019	



1 EXISTING SITE SURVEY - 190409
1:200

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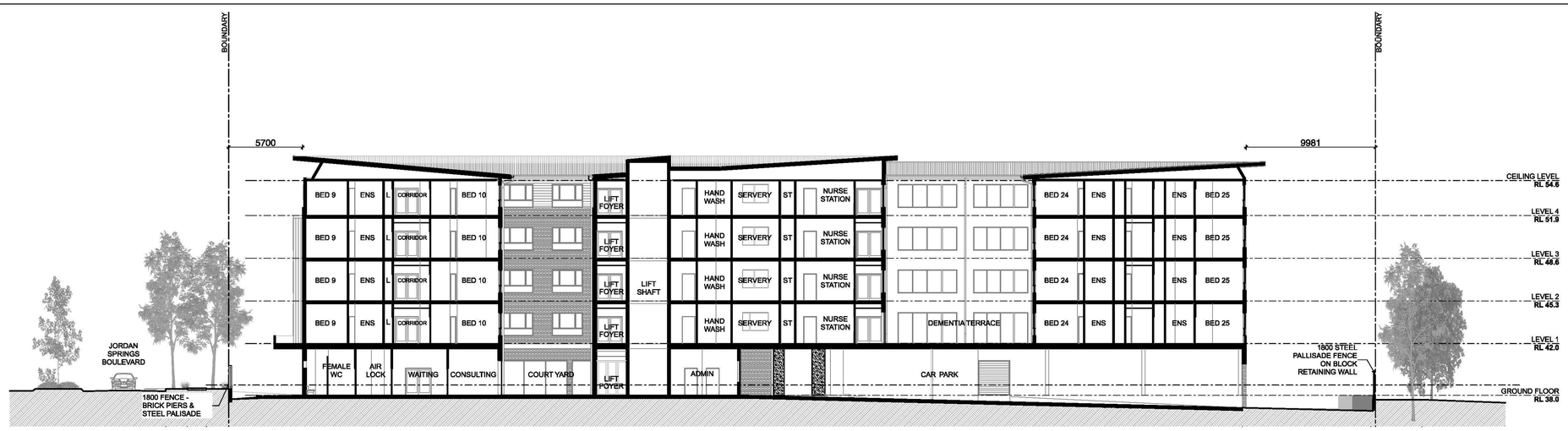
Project Manager

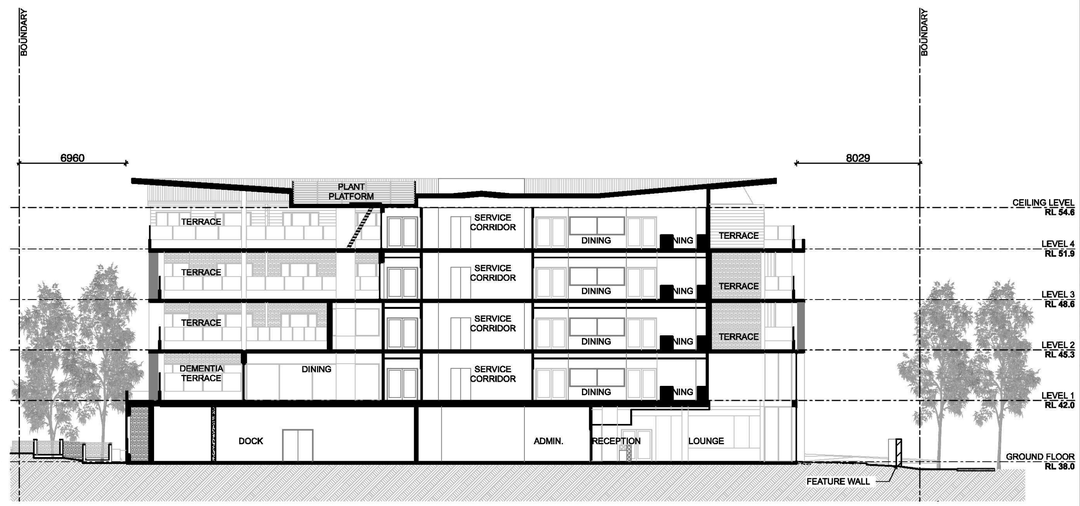
Drawing Title:
SITE SURVEY/ DEMOLITION PLAN

Scale: 1:200 @A1	Drawing No.: DA-020
Drawn:	
Date: JULY 2018	Issue: 1
Project No: 18148	
Plot Date: 9/05/2019	

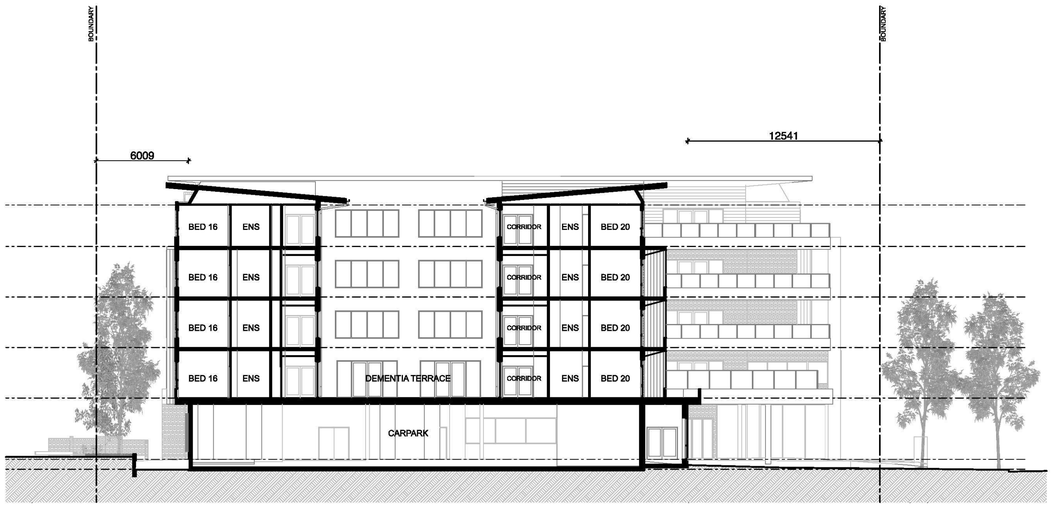


1 SITE SECTION AA

2 SITE SECTION BB

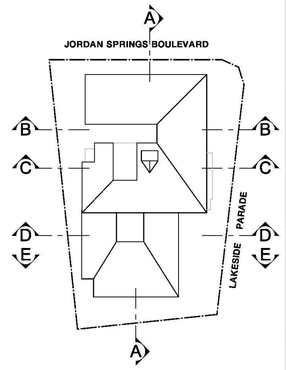


3 SITE SECTION CC



4 SITE SECTION DD

5 SITE SECTION EE



KEY PLAN

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Project Manager

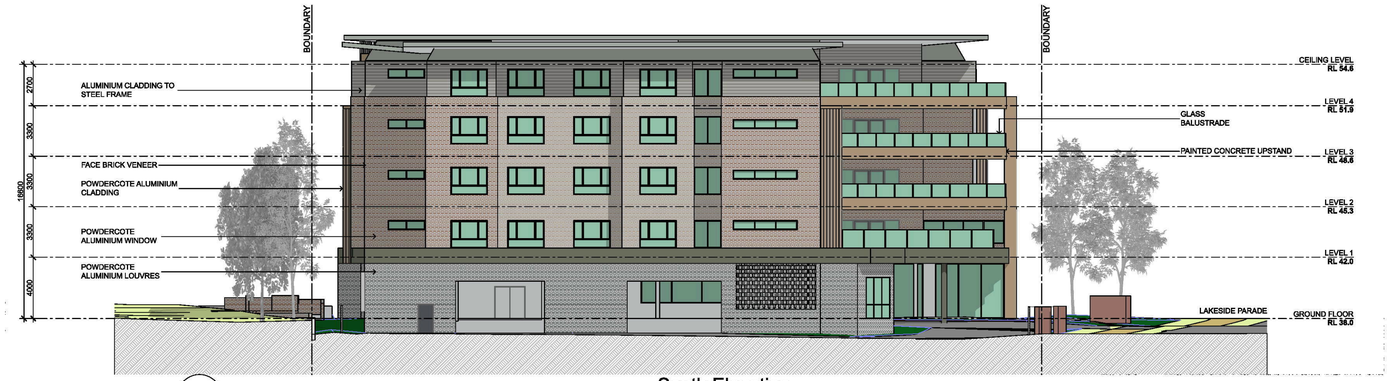
Drawing Title:

SITE SECTIONS

Scale: 1:200 @A1	Drawing No.: DA-130
Drawn:	
Date: JULY 2018	Issue: 1
Project No: 18148	
Plot Date: 9/05/2019	

1 East Elevation
1:200

2 North Elevation
1:200



3 South Elevation
1:200

4 West Elevation
1:200

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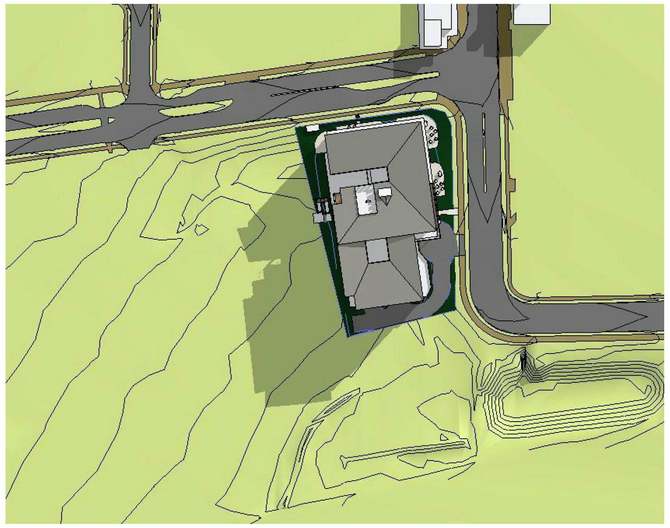
Project Manager

Drawing Title:

ELEVATIONS

Scale: 1:200 @A1	Drawing No.: DA-300
Drawn:	
Date: JULY 2018	Issue: 1
Project No: 18148	
Plot Date: 9/05/2019	



1 SHADOW DIAGRAM - JUNE 22ND 9AM

2 SHADOW DIAGRAM - JUNE 22 11AM

3 SHADOW DIAGRAM - JUNE 22ND 12NOON

4 SHADOW DIAGRAM - JUNE 22ND 3PM

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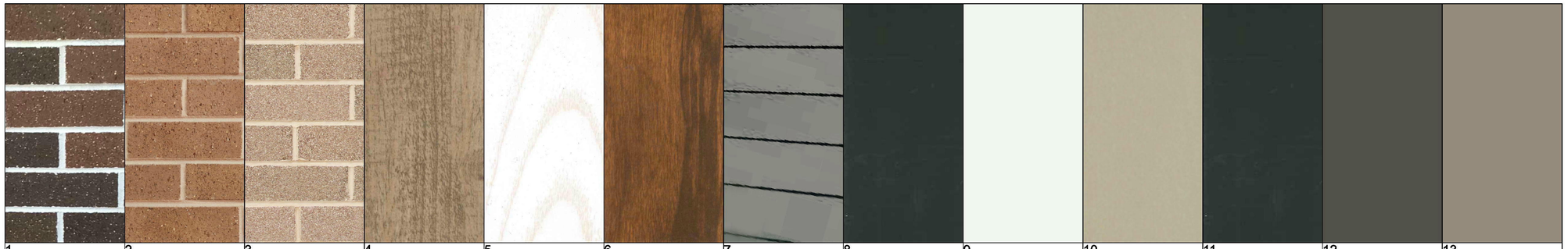
Project Manager

Drawing Title:

SHADOW DIAGRAMS

Scale: N.T.S	Drawing No.: **DA-900**
Drawn:	
Date: JULY 2018	Issue: 1
Project No: **18148**	
Plot Date: 9/05/2019	



1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
FACE BRICK AUSTRAL EVERYDAY LIFE HOLIDAY BLEND	FACE BRICK PGH - SINAI	FACE BRICK BOWRAL SIMMENTAL SILVER	STRYUM 150 SHADOW VERTICAL POWDERCOAT ALUMINIUM DRIFTWOOD	LOUVRE SCREENS POWDERCOAT ALUMINIUM ASPEN	LOUVRE SCREENS POWDERCOAT ALUMINIUM SPOTTED GUM	STRYUM 150 SHADOW HORIZONTAL POWDERCOAT ALUMINIUM STONE GREY	VITRACORE G2 POWDERCOAT ALUMINIUM MONUMENT	VITRACORE G2 POWDERCOAT ALUMINIUM CLASSIC WHITE	VITRACORE G2 POWDERCOAT ALUMINIUM CHAMPAGNE	WINDOW FRAME POWDERCOAT ALUMINIUM MONUMENT	PAINTED CONCRETE WOODLAND GREY	PAINTED CONCRETE FUDGE

1 North Elevation - Finishes Schedule - 181206

2 East Elevation - Finishes Schedule - 181206

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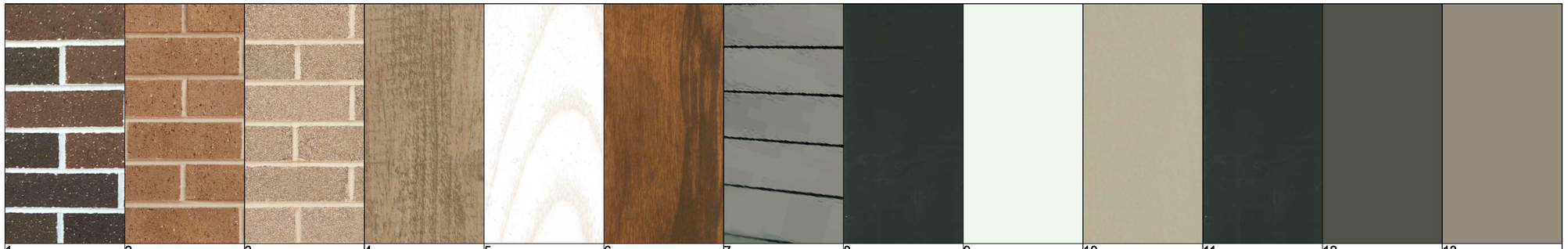
Project Manager

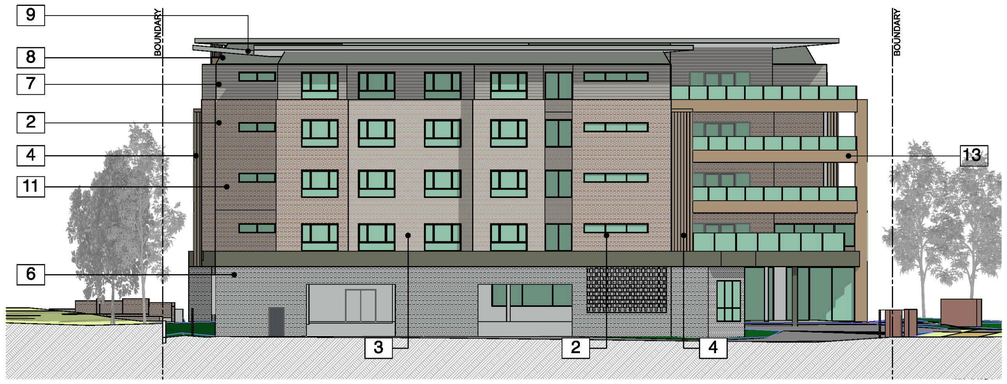
Drawing Title:

SCHEDULE OF FINISHES

Scale: N.T.S	Drawing No.: **DA-1000**
Drawn:	
Date: JULY 2018	Issue: 1
Project No: **18148**	
Plot Date: 9/05/2019	



1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
FACE BRICK AUSTRAL EVERYDAY LIFE HOLIDAY BLEND	FACE BRICK PGH - SINAI	FACE BRICK BOWRAL SIMMENTAL SILVER	STRYUM 150 SHADOW VERTICAL POWDERCOAT ALUMINIUM DRIFTWOOD	LOUVRE SCREENS POWDERCOAT ALUMINIUM ASPEN	LOUVRE SCREENS POWDERCOAT ALUMINIUM SPOTTED GUM	STRYUM 150 SHADOW HORIZONTAL POWDERCOAT ALUMINIUM STONE GREY	VITRACORE G2 POWDERCOAT ALUMINIUM MONUMENT	VITRACORE G2 POWDERCOAT ALUMINIUM CLASSIC WHITE	VITRACORE G2 POWDERCOAT ALUMINIUM CHAMPAGNE	WINDOW FRAME POWDERCOAT ALUMINIUM MONUMENT	PAINTED CONCRETE WOODLAND GREY	PAINTED CONCRETE WHITE DUCK



1 South Elevation - Finishes Schedule - 181206
1:200

2 West Elevation - Finishes Schedule - 181206
1:200

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Project Manager

Drawing Title:

SCHEDULE OF FINISHES

Scale: N.T.S	Drawing No.: **DA-1001**
Drawn:	
Date: JULY 2018	Issue: 1
Project No: **18148**	
Plot Date: 9/05/2019	