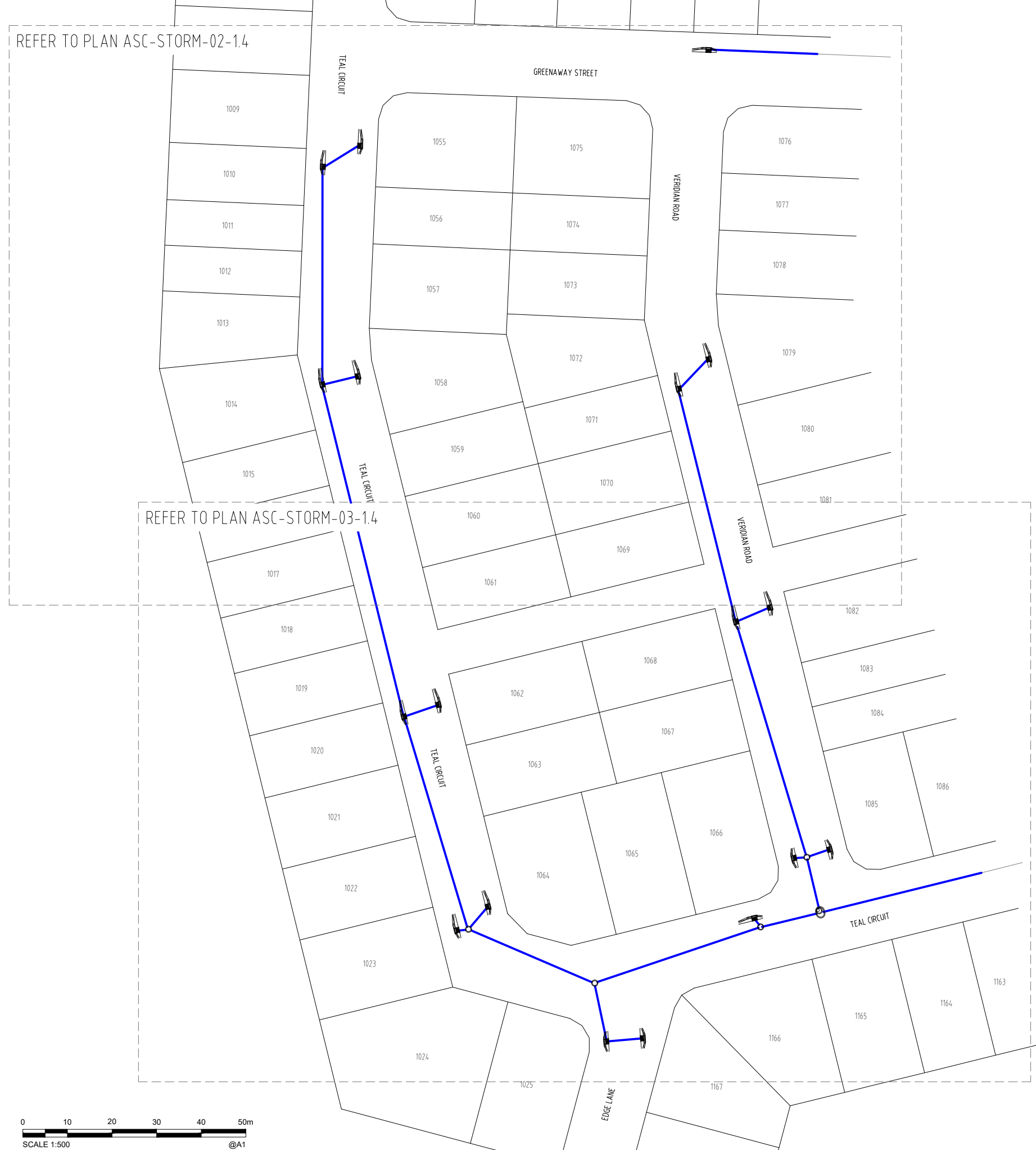


PM61308 RL
 E: 4.98528.114
 N: 6931171.033
 RL: 54.660m



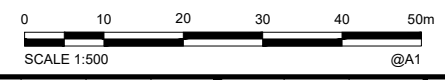
AS CONSTRUCTED

ENGINEER'S CERTIFICATION
 I, _____, hereby certify that:
 1. The information contained in this drawing / document is in compliance with approved drawings and design.
 2. This represents an accurate record of as-constructed works.
 3. I accept responsibility for the information contained in this drawing / document.
 RPEQ (signature) RPEQ No. _____ Date: _____

REGISTERED SURVEYOR'S CERTIFICATION
 I, Gordon Nicholson, hereby certify that the vertical and horizontal locations and dimensions shown on this plan are a true and correct record and were located by survey.

 Registered Surveyor (sig.) Reg. Surveyor No. SA 3405 Date: 24/06/2020

COORDINATE DATUM NOTE:
 HORIZONTAL COORDINATES(E,N) SUPPLIED ARE MAPPING GRID OF AUSTRALIA(MGA), ZONE 56 BASED ON THE UNIVERSAL TRANSVERSE MERCATOR PROJECTION AND THE GEOCENTRIC DATUM OF AUSTRALIA 1994.
 HORIZONTAL DATUM DERIVED FROM PSM 61308 E 4.98528.114 N 6931171.033.
 LEVELS SUPPLIED ARE ON THE AUSTRALIAN HEIGHT DATUM(AHD)
 LEVEL DATUM DERIVED FROM PSM 61308 RL54.660 (AHD)



A1	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE
	A	24/06/2020	AS CONSTRUCTED	DAM	-	LS		24/06/2020

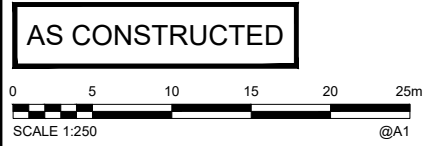
DRAWN	DAM	24/06/2020
CHECKED	-	24/06/2020
PASSED	LS	24/06/2020



LOGAN CITY COUNCIL
 MIRVAC MIR001-04
 AS CONSTRUCTED SURVEY - STORMWATER
 EVERLEIGH PRECINCT 1.4
 GREENBANK QLD

SHEET 1 OF 3 SHEETS	SCALE 1:500 A1
REVISION DATE 24/06/2020	REVISION A
DISCIPLINE CODE -	
DRAWING NO. ASC-STORM-01-1.4	

PM61308 RL
 E: 498528.114
 N: 6931171.033
 RL: 54.660m



ENGINEER'S CERTIFICATION

I, _____, hereby certify that:

- The information contained in this drawing / document is in compliance with approved drawings and design.
- This represents an accurate record of as-constructed works
- I accept responsibility for the information contained in this drawing / document.

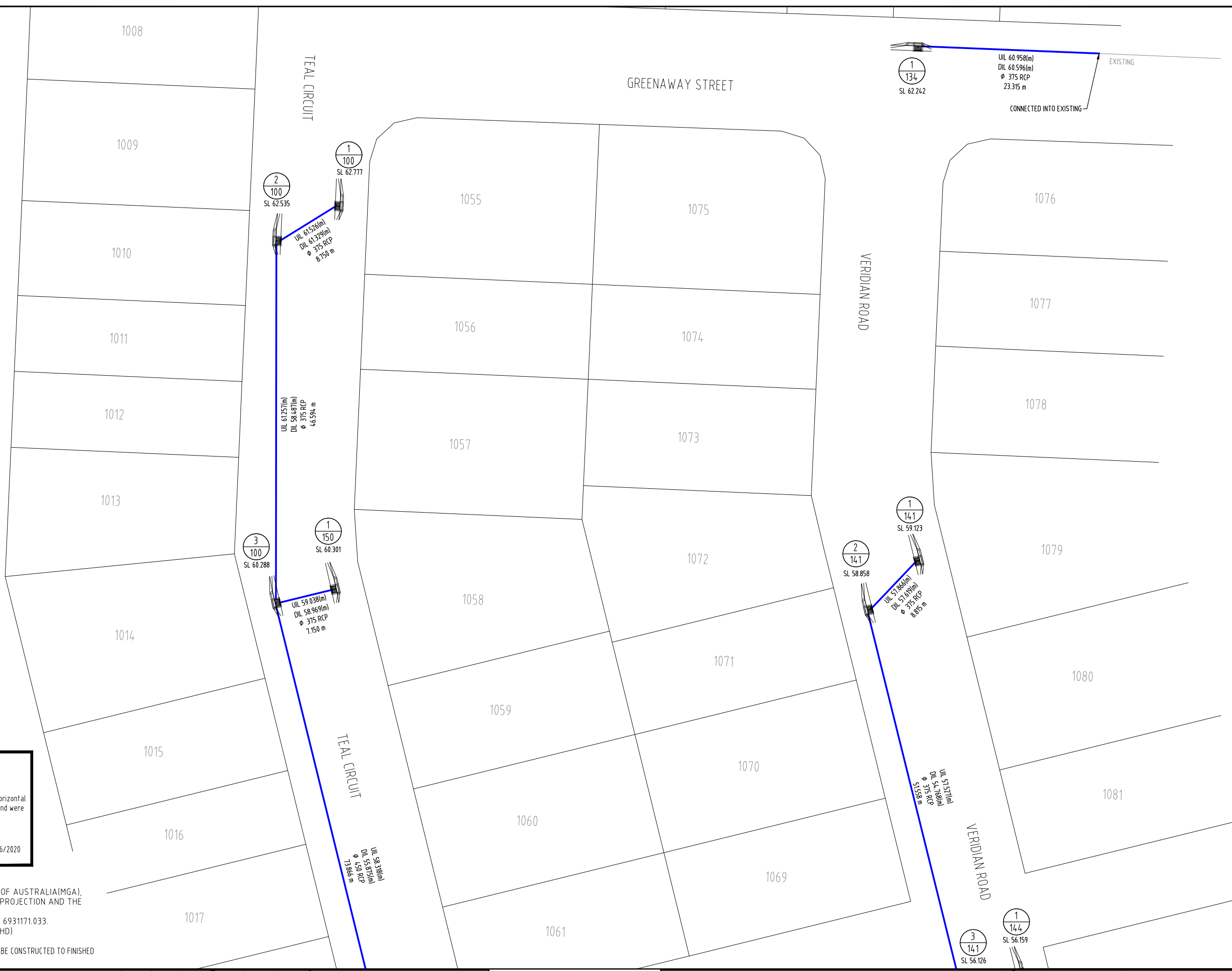
 RPEQ (signature) RPEQ No. _____ Date: _____

REGISTERED SURVEYOR'S CERTIFICATION

I, Gordon Nicholson, hereby certify that the vertical and horizontal locations and dimensions shown on this plan are a true and correct record and were located by survey.

 Registered Surveyor (sig.) Reg. Surveyor No. SA 3405 Date: 24/06/2020

COORDINATE DATUM NOTE:
 HORIZONTAL COORDINATES (E,N) SUPPLIED ARE MAPPING GRID OF AUSTRALIA (MGA), ZONE 56 BASED ON THE UNIVERSAL TRANSVERSE MERCATOR PROJECTION AND THE GEOCENTRIC DATUM OF AUSTRALIA 1994.
 HORIZONTAL DATUM DERIVED FROM PSM 61308 E 498528.114 N 6931171.033.
 LEVELS SUPPLIED ARE ON THE AUSTRALIAN HEIGHT DATUM (AHD)
 LEVEL DATUM DERIVED FROM PSM 61308 RL54.660 (AHD)
 * - DENOTES STRUCTURE DESIGN LEVEL USED FOR ASCON - STRUCTURES TO BE CONSTRUCTED TO FINISHED LEVEL IN FUTURE STAGE.



A1	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE
	A	24/06/2020	AS CONSTRUCTED	DAM	-	LS		24/06/2020

DRAWN	DAM	24/06/2020
CHECKED	-	24/06/2020
PASSED	LS	24/06/2020

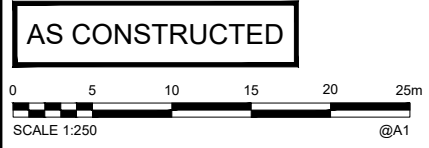


LOGAN CITY COUNCIL

MIRVAC MIR001-04
 AS CONSTRUCTED SURVEY - STORMWATER
 EVERLEIGH PRECINCT 14
 GREENBANK QLD

SHEET 2 OF 3 SHEETS	SCALE 1:250 A1
REVISION DATE 24/06/2020	REVISION A
DISCIPLINE CODE -	
DRAWING NO. ASC-STORM-02-14	

PM61308 RL
 E: 498528.114
 N: 6931171.033
 RL: 54.660m



ENGINEER'S CERTIFICATION

I, _____, hereby certify that:

- The information contained in this drawing / document is in compliance with approved drawings and design.
- This represents an accurate record of as-constructed works.
- I accept responsibility for the information contained in this drawing / document.

 RPEQ (signature) RPEQ No. _____ Date: _____

REGISTERED SURVEYOR'S CERTIFICATION

I, Gordon Nicholson, hereby certify that the vertical and horizontal locations and dimensions shown on this plan are a true and correct record and were located by survey.

 Registered Surveyor (sig.) Reg. Surveyor No. SA 3405 Date: 24/06/2020

COORDINATE DATUM NOTE:
 HORIZONTAL COORDINATES(E,N) SUPPLIED ARE MAPPING GRID OF AUSTRALIA(MGA), ZONE 56 BASED ON THE UNIVERSAL TRANSVERSE MERCATOR PROJECTION AND THE GEOCENTRIC DATUM OF AUSTRALIA 1994.
 HORIZONTAL DATUM DERIVED FROM PSM 61308 E 498528.114 N 6931171.033.
 LEVELS SUPPLIED ARE ON THE AUSTRALIAN HEIGHT DATUM(AHD)
 LEVEL DATUM DERIVED FROM PSM 61308 RL54.660 (AHD)

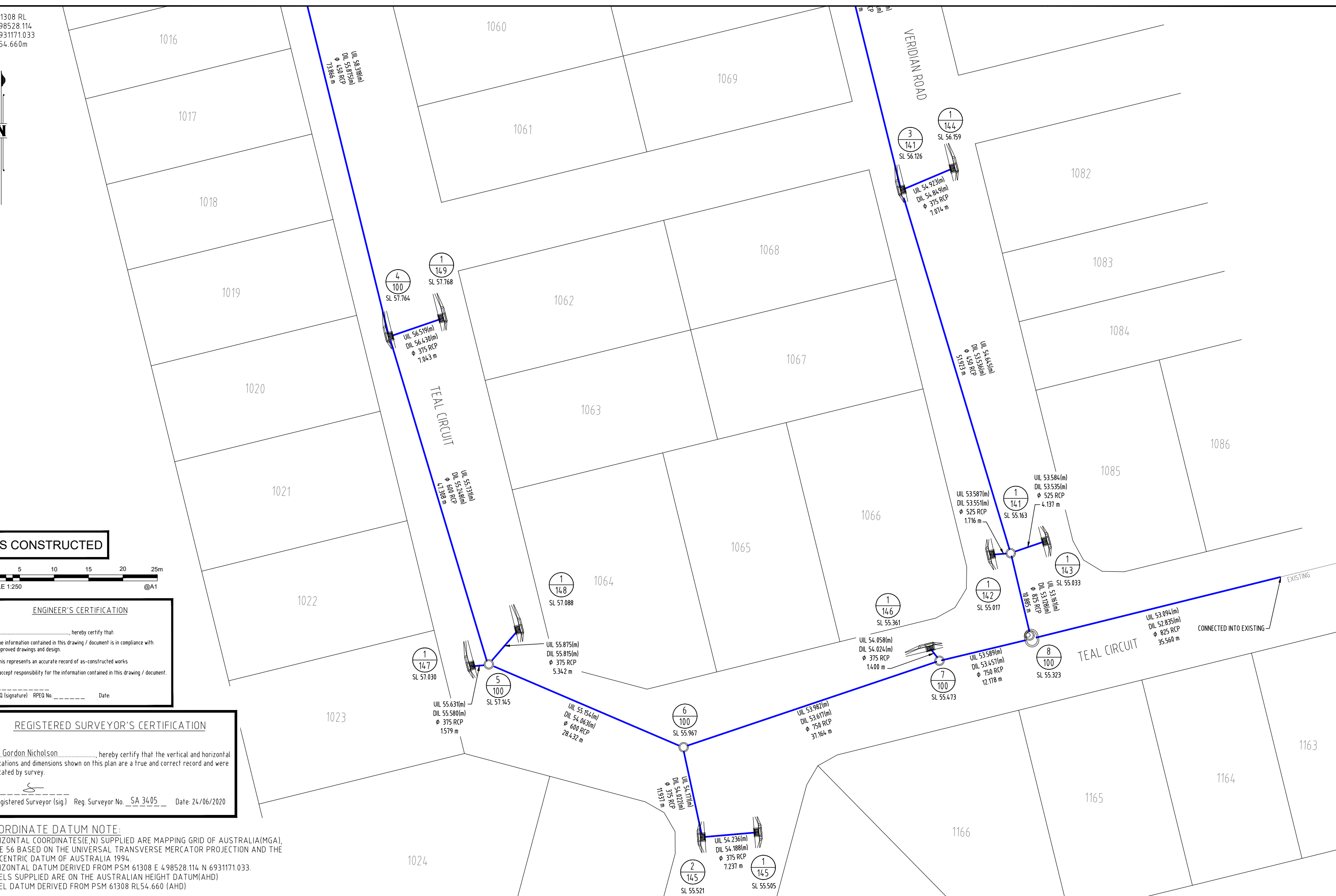
A1	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE
	A	24/06/2020	AS CONSTRUCTED	DAM	-	LS		
				DRAWN	DAM			24/06/2020
				CHECKED	-			24/06/2020
				PASSED	LS			24/06/2020



LOGAN CITY COUNCIL

MIRVAC MIR001-04
 AS CONSTRUCTED SURVEY - STORMWATER
 EVERLEIGH PRECINCT 14
 GREENBANK QLD

SHEET 3 OF 3 SHEETS	SCALE 1:250 A1
REVISION DATE 24/06/2020	REVISION A
DISCIPLINE CODE -	
DRAWING NO. ASC-STORM-03-14	



PM61308 RL
 E: 4.98528.114
 N: 6931171.033
 RL: 54.660m



REFER TO PLAN ASC-STORM-02-1.4

REFER TO PLAN ASC-STORM-03-1.4



AS CONSTRUCTED


ENGINEER'S CERTIFICATION

I, _____, hereby certify that:
 1. The information contained in this drawing / document is in compliance with approved drawings and design.
 2. This represents an accurate record of as-constructed works.
 3. I accept responsibility for the information contained in this drawing / document.

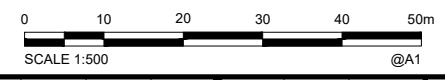
RPEQ (signature) RPEQ No. _____ Date: _____

REGISTERED SURVEYOR'S CERTIFICATION

I, Gordon Nicholson, hereby certify that the vertical and horizontal locations and dimensions shown on this plan are a true and correct record and were located by survey.


 Registered Surveyor (sig.) Reg. Surveyor No. SA 3405 Date: 24/06/2020

COORDINATE DATUM NOTE:
 HORIZONTAL COORDINATES(E,N) SUPPLIED ARE MAPPING GRID OF AUSTRALIA(MGA), ZONE 56 BASED ON THE UNIVERSAL TRANSVERSE MERCATOR PROJECTION AND THE GEOCENTRIC DATUM OF AUSTRALIA 1994.
 HORIZONTAL DATUM DERIVED FROM PSM 61308 E 4.98528.114 N 6931171.033.
 LEVELS SUPPLIED ARE ON THE AUSTRALIAN HEIGHT DATUM(AHD)
 LEVEL DATUM DERIVED FROM PSM 61308 RL54.660 (AHD)



A1	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE
	A	24/06/2020	AS CONSTRUCTED	DAM	-	LS		24/06/2020

DRAWN	DAM	24/06/2020
CHECKED	-	24/06/2020
PASSED	LS	24/06/2020



LOGAN CITY COUNCIL

MIRVAC MIR001-04
 AS CONSTRUCTED SURVEY - STORMWATER
 EVERLEIGH PRECINCT 1.4
 GREENBANK QLD

SHEET 1 OF 3 SHEETS	SCALE 1:500 A1
REVISION DATE 24/06/2020	REVISION A
DISCIPLINE CODE -	
DRAWING NO. ASC-STORM-01-1.4	

REGISTERED SURVEYORS CERTIFICATION
 I, Gordon Nicholson, hereby certify that the vertical and horizontal locations and dimensions shown on this plan are a true and correct record and were located by survey.
 Registered Surveyor (sig) Reg. Surveyor No. SA 3405 Date 26/06/2020

AS CONSTRUCTED

STRUCTURE NAME	STRUCTURE DESCRIPTION	LINE	CHAINAGE	FINISHED (& EXISTING) SURFACE LEVEL	INVERT LEVEL	DEPTH OF INVERT BELOW FSL	HGL IN PIPE	WSE IN STRUCTURE	PIPE SIZE (mm)	PIPE CLASS	PIPE GRADE (%)	PIPE SLOPE (1 in X)	FULL PIPE VELOCITY (m/s)	PART FULL VELOCITY (m/s)	PIPE FLOW (cumecs)	PIPE CAPACITY AT GRADE (cumecs)	DATE
1/100	IPWEA KERB INLET L.I.L.; 2.4m Lintel	100	64.917	62.777 62.835	61.517 61.526	1.318	61.892	61.909	375	2	2.25%	1:44	4.4	1.19	0.021	0.268	
2/100	IPWEA KERB INLET L.I.L.; 2.4m Lintel		9.475	62.535 62.611	61.329 61.295	1.316	61.814	61.818	375	2	2.25%	1:44	4.4	1.19	0.021	0.268	
3/100	IPWEA KERB INLET L.I.L.; 2.4m Lintel ON 1050mm DIA MANHOLE		47.647	60.288 60.360	58.487 58.442	1.918	58.924	58.924	375	2	5.95%	1:68	16.8	0.82	0.090	0.428	
4/100	IPWEA KERB INLET L.I.L.; 2.4m Lintel ON 1050mm DIA MANHOLE		74.761	57.764 57.825	55.875 55.880	1.945	56.415	56.415	450	2	3.31%	1:30	30.2	1.12	0.177	0.520	
5/100	IPWEA MANHOLE 1500mm DIA		115.579	57.145 57.149	55.248 55.222	1.895	55.869	55.870	600	2	1.02%	1:94	9.9	1.10	0.311	0.627	
6/100	IPWEA MANHOLE 1200mm DIA		145.590	55.967 55.950	54.063 54.053	1.896	54.787	54.790	600	2	3.84%	1:26	26.1	1.27	0.358	1.203	
7/100	IPWEA MANHOLE 1350mm DIA		183.891	55.473 55.455	53.617 53.613	1.842	54.358	54.358	750	2	0.98%	1:101	101.8	1.01	0.447	1.114	
8/100	IPWEA MANHOLE 1500mm DIA; EXT 600mm		197.347	55.323 55.325	53.457 53.458	1.867	54.001	54.001	750	2	1.08%	1:92	92.3	1.13	0.500	1.114	
9/100	IPWEA MANHOLE 1500mm DIA		244.186	54.855 52.442	52.740 52.740	2.115	53.583	53.583	825	2	0.73%	1:137	137.3	1.50	0.804	1.284	
1/134	IPWEA KERB INLET L.I.L.; 2.4m Lintel	134	0.000	62.242 62.200	60.980 60.958	1.319	61.364	61.488	375	2	1.53%	1:66	44.1	0.59	0.065	0.227	
2/134	IPWEA KERB INLET (SAG) L.I.L.; 2.4m Lintel		55.927	61.390 65.542	60.051 60.051	1.340	60.593	60.593	375	2	1.53%	1:66	44.1	0.59	0.065	0.227	
1/141	IPWEA KERB INLET L.I.L.; 2.4m Lintel	141	0.000	59.123 59.177	57.859 57.866	1.318	58.234	58.306	375	2	2.14%	1:46	46.8	0.38	0.042	0.288	
2/141	IPWEA KERB INLET L.I.L.; 2.4m Lintel		9.363	58.858 58.921	57.619 57.606	1.315	58.076	58.084	375	2	2.14%	1:46	46.8	0.38	0.042	0.288	
3/141	IPWEA KERB INLET L.I.L.; 2.4m Lintel		52.427	56.126 56.197	54.768 54.758	1.459	55.257	55.257	375	2	5.33%	1:18	18.7	0.94	0.104	0.407	
4/141	IPWEA MANHOLE 1350mm DIA		115.593	55.163 55.122	53.536 53.547	1.576	54.013	54.013	450	2	2.13%	1:28	28.2	1.36	0.216	0.411	
8/100	IPWEA MANHOLE 1500mm DIA; EXT 600mm		127.980	55.323 55.325	53.128 53.111	2.191	54.001	54.001	825	2	0.30%	1:200	200.0	0.99	0.313	0.787	
1/142	IPWEA KERB INLET (SAG) L.I.L.; 2.4m Lintel	142	0.000	55.017 55.068	53.594 53.587	1.474	54.119	54.145	525	2	2.08%	1:28	28.2	0.73	0.050	0.430	
4/141	IPWEA MANHOLE 1350mm DIA		2.810	55.163 55.122	53.551 53.566	1.556	54.013	54.013	525	2	2.08%	1:28	28.2	0.73	0.050	0.430	

FOR CONSTRUCTION

BRISBANE OFFICE
 LEVEL 1, 100 BRUNSWICK STREET
 PO BOX 361
 FORTITUDE VALLEY, QLD 4006
 PH: (07) 3253 2222
 WEB: www.premise.com.au

Premise

DESIGNED: MICHAEL MAJNER
 CHECKED: MICHAEL MAJNER
 PROJECT MANAGER: JOSHUA STONE
 PROJECT DIRECTOR: JOSHUA STONE
 DATE: 19/12/19

SCALE: HORIZONTAL 1:1000 (A1)
 VERTICAL 1:100 (A1)

CLIENT: EVERLEIGH PRECINCT 1.4 SUBDIVISION DEVELOPMENT
 PROJECT: TEVIOT ROAD, GREENBANK
 LOCATION: STORMWATER DRAINAGE LONG SECTIONS - SHEET 1 OF 2

JOB CODE: MIR001-04
 SHEET NUMBER: C403

LINE	CHAINAGE	FINISHED (& EXISTING) SURFACE LEVEL	INVERT LEVEL	DEPTH OF INVERT BELOW FSL	HGL IN PIPE	WSE IN STRUCTURE	PIPE CLASS	PIPE GRADE (%)	PIPE SLOPE (1 in X)	FULL PIPE VELOCITY (m/s)	PART FULL VELOCITY (m/s)	PIPE FLOW (cumecs)	PIPE CAPACITY AT GRADE (cumecs)	DATE	STRUCTURE NAME	STRUCTURE DESCRIPTION
143	0.000	55.033 55.068	53.594 53.584	1.474	54.119	54.146	375	1.86%	1:000	1.34	0.24	0.051	0.430	37.0	1/143	IPWEA KERB INLET (SAG) L.I.L.; 2.4m Lintel
	5.286	55.163 55.122	53.535 53.544	1.581	54.013	54.013	375	1.86%	1:000	1.34	0.24	0.051	0.430	37.0	4/141	IPWEA MANHOLE 1350mm DIA
144	0.000	56.159 56.242	54.927 54.923	1.315	55.302	55.429	375	1.06%	1:000	0.51	0.51	0.056	0.175	39.0	1/144	IPWEA KERB INLET L.I.L.; 2.4m Lintel
	8.046	56.126 56.197	54.849 54.846	1.351	55.257	55.257	375	1.06%	1:000	0.51	0.51	0.056	0.175	39.0	3/141	IPWEA KERB INLET L.I.L.; 2.4m Lintel
145	0.000	55.505 55.555	54.246 54.238	1.308	54.946	54.959	375	0.863%	1:000	0.19	0.19	0.021	0.175	38.0	1/145	IPWEA KERB INLET (SAG) L.I.L.; 2.4m Lintel
	8.025	55.521 55.555	54.188 54.166	1.389	54.945	54.951	375	1.268%	1:000	0.47	0.84	0.093	0.175	38.0	2/145	IPWEA KERB INLET (SAG) L.I.L.; 2.4m Lintel
	13.013	55.967 55.950	54.022 54.016	1.933	54.787	54.790	375	1.268%	1:000	0.84	1.61	0.093	0.175	38.0	6/100	IPWEA MANHOLE 1200mm DIA
146	0.000	55.361 55.419	54.104 54.058	1.315	54.479	54.625	375	2.43%	1:000	0.54	0.54	0.060	0.175	37.0	1/146	IPWEA KERB INLET L.I.L.; 2.4m Lintel
	2.417	55.473 55.455	54.024 54.000	1.375	54.358	54.358	375	2.43%	1:000	0.54	0.54	0.060	0.175	37.0	7/100	IPWEA MANHOLE 1350mm DIA
147	0.000	57.030 57.085	55.614 55.613	1.471	55.989	56.098	375	3.226%	1:000	0.47	0.47	0.052	0.175	40.0	1/147	IPWEA KERB INLET L.I.L.; 2.4m Lintel
	2.571	57.145 57.119	55.580 55.588	1.531	55.869	55.870	375	3.226%	1:000	0.47	0.47	0.052	0.175	40.0	5/100	IPWEA MANHOLE 1500mm DIA
148	0.000	57.088 57.164	55.840 55.815	1.315	56.224	56.224	375	1.173%	1:000	0.01	0.01	0.001	0.175	40.0	1/148	IPWEA KERB INLET L.I.L.; 2.4m Lintel
	6.649	57.145 57.119	55.815 55.782	1.336	55.869	55.870	375	1.173%	1:000	0.01	0.01	0.001	0.175	40.0	5/100	IPWEA MANHOLE 1500mm DIA
149	0.000	57.768 57.836	56.520 56.519	1.315	56.895	57.050	375	1.264%	1:000	0.29	0.29	0.032	0.175	40.0	1/149	IPWEA KERB INLET L.I.L.; 2.4m Lintel
	7.972	57.764 57.825	56.430 56.411	1.385	56.594	56.415	375	1.264%	1:000	0.29	0.29	0.032	0.175	40.0	4/100	IPWEA KERB INLET L.I.L.; 2.4m Lintel ON 1050mm DIA MANHOLE
150	0.000	60.301 60.356	59.038 59.038	1.318	59.413	59.456	375	0.965%	1:000	1.21	1.21	0.032	0.175	43.0	1/150	IPWEA KERB INLET L.I.L.; 2.4m Lintel
	7.940	60.288 60.360	58.959 58.959	1.401	59.068	58.924	375	0.965%	1:000	1.21	1.21	0.032	0.175	43.0	3/100	IPWEA KERB INLET L.I.L.; 2.4m Lintel ON 1050mm DIA MANHOLE

FOR CONSTRUCTION

BRISBANE OFFICE
LEVEL 1, 100 BRUNSWICK STREET
PO BOX 361
FORTITUDE VALLEY, QLD 4006
PH: (07) 3253 2222
WEB: www.premise.com.au

Premise

DESIGNED: MICHAEL MAJNER
CHECKED: MICHAEL MAJNER
PROJECT MANAGER: JOSHUA STONE
PROJECT DIRECTOR: JOSHUA STONE
DATE: 19/12/19

SCALE: HORIZONTAL 1:1000 (A1)
VERTICAL 1:100 (A1)

DATE: 19/12/19

CLIENT: MIRVAC
PROJECT: EVERLEIGH PRECINCT 1.4 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: STORMWATER DRAINAGE LONG SECTIONS - SHEET 2 OF 2

JOB CODE: MIR001-04
SHEET NUMBER: C404

REGISTERED SURVEYOR'S CERTIFICATION

I, Gordon Nicholson, hereby certify that the vertical and horizontal locations and dimensions shown on this plan are a true and correct record and were located by survey.

Registered Surveyor (Sg) Reg. Surveyor No. 54 3405 Date: 24/06/2020

AS CONSTRUCTED