

**ENGINEER'S CERTIFICATION**

I, \_\_\_\_\_, hereby certify that:

- The information contained in this drawing / document is in compliance with approved drawings and design.
- The new water and sewerage works defined by this drawing have been designed and constructed in accordance with the SEQ Code.
- 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: \_\_\_\_\_

**AS CONSTRUCTED**

**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: 26/11/2021

**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	26/11/2021	AS CONSTRUCTED	NJA	DAM	CW		26/11/2021

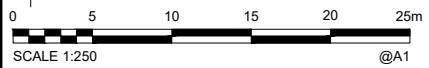


**LOGAN CITY COUNCIL**

MIRVAC MIR012-02  
 AS CONSTRUCTED SURVEY - STORMWATER  
 EVERLEIGH PRECINCT 12.2  
 GREENBANK QLD

SHEET 1 OF 4 SHEETS	SCALE 1:1000 A1
REVISION DATE 26/11/2021	REVISION A
DISCIPLINE CODE -	
DRAWING NO. ASC-STORM-01-12.2	

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



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A1	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE
	A	26/11/2021	AS CONSTRUCTED	NJA	DAM	CW		26/11/2021

**shadforth**

380 Sandhurst Lane, Forest Glen QLD 4006  
 07 5438 2000 • 07 5438 2008 • shadforth@shadforth.com.au

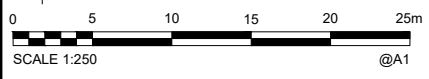
**LOGAN CITY COUNCIL**

**LOGAN CITY COUNCIL**

MIRVAC MIR012-02  
 AS CONSTRUCTED SURVEY - STORMWATER  
 EVERLEIGH PRECINCT 12.2  
 GREENBANK QLD

SHEET 2 OF 4 SHEETS	SCALE 1:250 A1
REVISION DATE 26/11/2021	REVISION A
DISCIPLINE CODE -	
DRAWING NO. ASC-STORM-02-12.2	

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



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 LEVEL DATUM DERIVED FROM PSM 61308 RL54.660 (AHD)

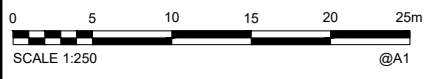
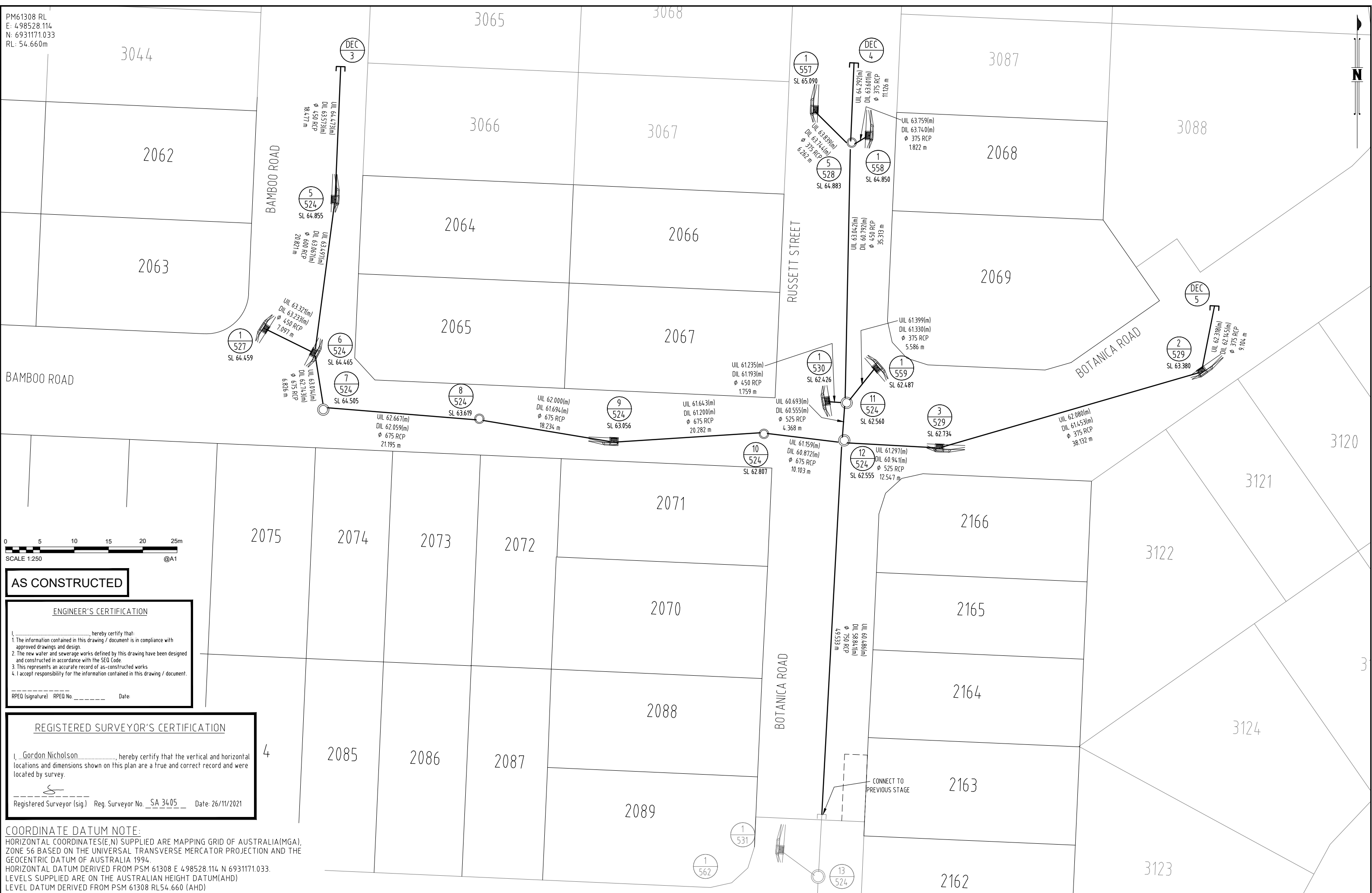
<b>A1</b>	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE
	A	26/11/2021	AS CONSTRUCTED	NJA	DAM	CW		26/11/2021



**LOGAN CITY COUNCIL**  
 MIRVAC MIR012-02  
 AS CONSTRUCTED SURVEY - STORMWATER  
 EVERLEIGH PRECINCT 12.2  
 GREENBANK QLD

SHEET 3 OF 4 SHEETS	SCALE 1:250 A1
REVISION DATE 26/11/2021	REVISION A
DISCIPLINE CODE -	
DRAWING NO. ASC-STORMWATER-03-12.2	

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



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A1	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE
	A	26/11/2021	AS CONSTRUCTED	NJA	DAM	CW		26/11/2021



**LOGAN CITY COUNCIL**

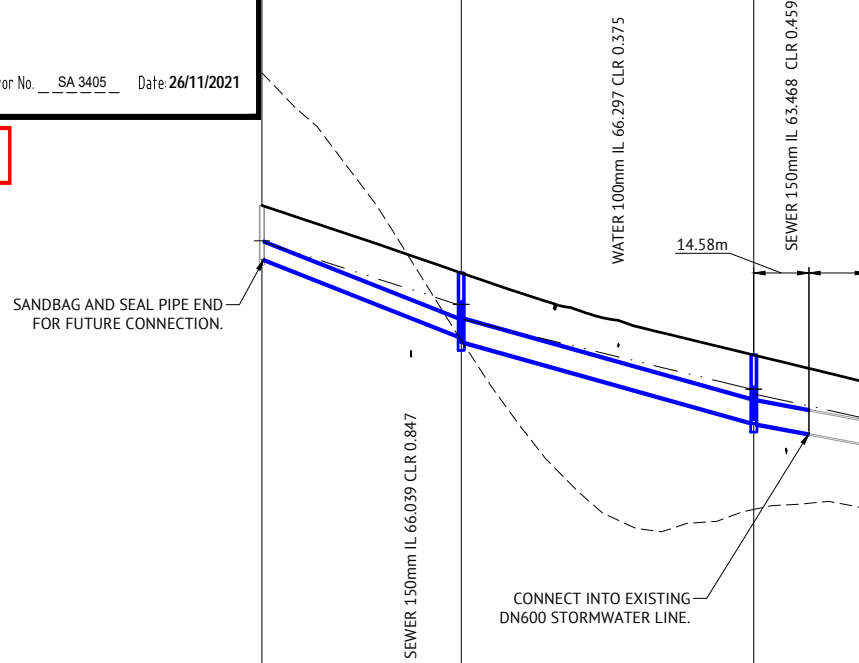
MIRVAC MIR012-02  
 AS CONSTRUCTED SURVEY - STORMWATER  
 EVERLEIGH PRECINCT 12.2  
 GREENBANK QLD

SHEET 4 OF 4 SHEETS	SCALE 1:250 A1
REVISION DATE 26/11/2021	REVISION A
DISCIPLINE CODE -	
DRAWING NO. ASC-STORM-04-12.2	

STRUCTURE NAME	5/502	6/502	7/502	8/502
STRUCTURE DESCRIPTION	IPWEA MANHOLE 1050mm DIA	IPWEA MANHOLE 1200mm DIA	IPWEA MANHOLE 1200mm DIA	IPWEA MANHOLE 1050mm DIA

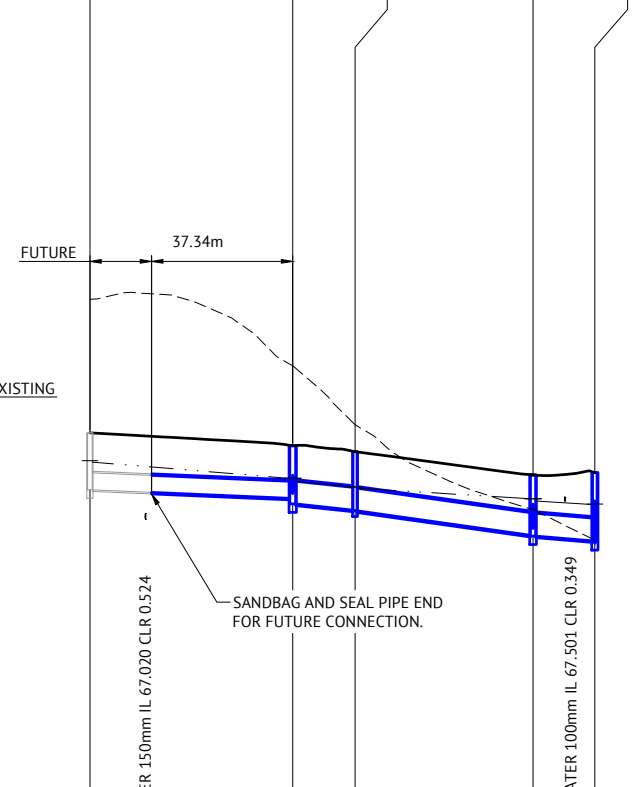
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 Registered Surveyor (sig.) Reg. Surveyor No. SA 3405 Date 26/11/2021

**AS CONSTRUCTED**



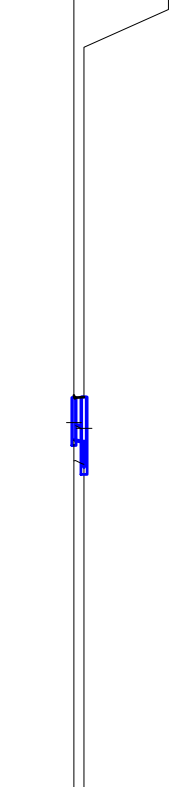
PIPE SIZE (mm)	450	600	600
PIPE CLASS	2	2	2
PIPE GRADE (%)	3.87%	2.72%	1.87%
PIPE SLOPE (1 in X)	25.9	26.2	53.4
FULL PIPE VELOCITY (m/s)	1.42	2.58	3.16
PART FULL VELOCITY (m/s)	3.33	3.92	3.16
PIPE FLOW (cumecs)	0.226	0.731	0.895
PIPE CAPACITY AT GRADE (cumecs)	0.560	1.020	0.824
DATUM RL	51.0		
WSE IN STRUCTURE	69.102	67.421	65.178
HGL IN PIPE	69.061	67.407	65.178
DEPTH OF INVERT BELOW FSL	1.427	1.678	1.792
INVERT LEVEL	66.641	66.583	64.251
FINISHED (& EXISTING) SURFACE LEVEL	70.038	68.263	66.082
CHAINAGE	0.000	52.728	130.140

5/506	6/506	7/506	8/506	6/502
IPWEA MANHOLE 1200mm DIA	IPWEA MANHOLE 1500mm DIA	IPWEA MANHOLE 1050mm DIA	IPWEA MANHOLE 1350mm DIA	IPWEA MANHOLE 1200mm DIA



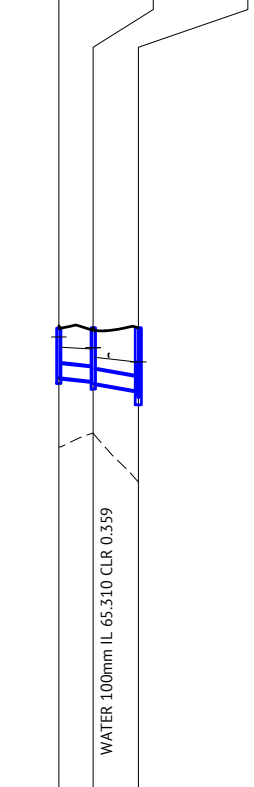
PIPE SIZE (mm)	450	600	600	600
PIPE CLASS	2	2	2	2
PIPE GRADE (%)	0.43%	1.00%	1.39%	0.88%
PIPE SLOPE (1 in X)	240.0	101.8	72.7	128.7
FULL PIPE VELOCITY (m/s)	1.60	1.16	1.16	1.66
PART FULL VELOCITY (m/s)	1.60	2.19	2.49	2.15
PIPE FLOW (cumecs)	0.254	0.329	0.327	0.469
PIPE CAPACITY AT GRADE (cumecs)	0.184	0.609	0.720	0.541
DATUM RL	53.0			
WSE IN STRUCTURE	68.558	68.100	67.874	67.558
HGL IN PIPE	68.523	68.098	67.874	67.558
DEPTH OF INVERT BELOW FSL	1.507	1.389	1.543	1.599
INVERT LEVEL	67.796	67.421	67.241	66.599
FINISHED (& EXISTING) SURFACE LEVEL	72.835	68.924	68.177	68.189
CHAINAGE	53.652	53.652	16.491	117.246

1/507	6/502
IPWEA KERB INLET L.L.I.; 2.4m Lintel	IPWEA MANHOLE 1200mm DIA



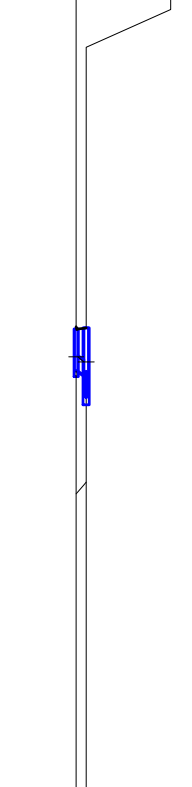
PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	1.14%
PIPE SLOPE (1 in X)	100.1
FULL PIPE VELOCITY (m/s)	0.40
PART FULL VELOCITY (m/s)	1.32
PIPE FLOW (cumecs)	0.044
PIPE CAPACITY AT GRADE (cumecs)	0.175
DATUM RL	51.0
WSE IN STRUCTURE	67.574
HGL IN PIPE	67.495
DEPTH OF INVERT BELOW FSL	1.115
INVERT LEVEL	67.110
FINISHED (& EXISTING) SURFACE LEVEL	68.263
CHAINAGE	2.657

1/508	2/508	7/502
IPWEA KERB INLET (SAG) L.L.I.; 2.4m Lintel	IPWEA KERB INLET L.L.I.; 2.4m Lintel	IPWEA MANHOLE 1200mm DIA



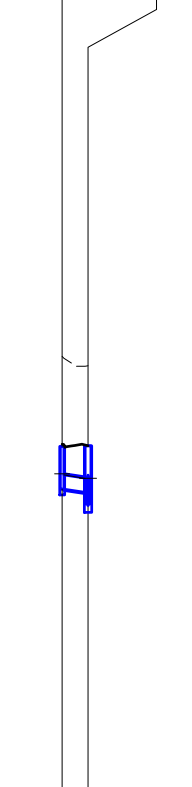
PIPE SIZE (mm)	375	375
PIPE CLASS	2	2
PIPE GRADE (%)	1.07%	1.82%
PIPE SLOPE (1 in X)	180.0	158.0
FULL PIPE VELOCITY (m/s)	1.14	1.61
PART FULL VELOCITY (m/s)	1.73	2.29
PIPE FLOW (cumecs)	0.126	0.177
PIPE CAPACITY AT GRADE (cumecs)	0.175	0.229
DATUM RL	47.0	
WSE IN STRUCTURE	65.841	65.178
HGL IN PIPE	65.570	65.178
DEPTH OF INVERT BELOW FSL	1.315	1.812
INVERT LEVEL	64.752	64.235
FINISHED (& EXISTING) SURFACE LEVEL	66.011	66.082
CHAINAGE	9.095	21.039

1/509	7/502
IPWEA KERB INLET L.L.I.; 2.4m Lintel	IPWEA MANHOLE 1200mm DIA



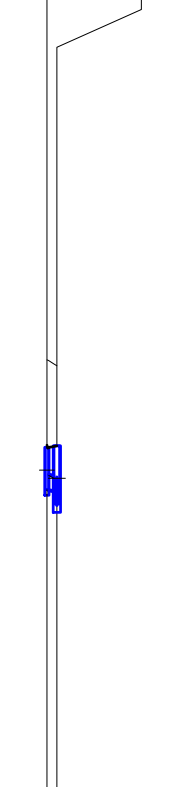
PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	1.82%
PIPE SLOPE (1 in X)	25.0
FULL PIPE VELOCITY (m/s)	0.07
PART FULL VELOCITY (m/s)	1.28
PIPE FLOW (cumecs)	0.007
PIPE CAPACITY AT GRADE (cumecs)	0.351
DATUM RL	47.0
WSE IN STRUCTURE	65.315
HGL IN PIPE	65.313
DEPTH OF INVERT BELOW FSL	1.115
INVERT LEVEL	64.899
FINISHED (& EXISTING) SURFACE LEVEL	66.082
CHAINAGE	2.649

1/516	6/506
IPWEA KERB INLET L.L.I.; 2.4m Lintel	IPWEA MANHOLE 1500mm DIA



PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	1.16%
PIPE SLOPE (1 in X)	63.3
FULL PIPE VELOCITY (m/s)	0.25
PART FULL VELOCITY (m/s)	1.24
PIPE FLOW (cumecs)	0.028
PIPE CAPACITY AT GRADE (cumecs)	0.192
DATUM RL	53.0
WSE IN STRUCTURE	68.220
HGL IN PIPE	68.188
DEPTH OF INVERT BELOW FSL	1.133
INVERT LEVEL	67.796
FINISHED (& EXISTING) SURFACE LEVEL	68.924
CHAINAGE	6.870

1/517	6/506
IPWEA KERB INLET L.L.I.; 2.4m Lintel	IPWEA MANHOLE 1500mm DIA



PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	1.47%
PIPE SLOPE (1 in X)	100.0
FULL PIPE VELOCITY (m/s)	0.53
PART FULL VELOCITY (m/s)	1.43
PIPE FLOW (cumecs)	0.059
PIPE CAPACITY AT GRADE (cumecs)	0.175
DATUM RL	53.0
WSE IN STRUCTURE	68.318
HGL IN PIPE	68.177
DEPTH OF INVERT BELOW FSL	1.116
INVERT LEVEL	67.804
FINISHED (& EXISTING) SURFACE LEVEL	68.924
CHAINAGE	2.623

**AS CONSTRUCTED**

26/11/2021	B	AS CONSTRUCTED
20/08/2020	A	APPROVAL ISSUE
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION
DATE	REV	DESCRIPTION

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

DESIGNED  
B ADAMS  
 CHECKED  
M MAJZNER  
 PROJECT MANAGER  
R LLEWELYN  
 PROJECT DIRECTOR  
PAT BRADY RPEQ 7112

SCALE  
 HORIZONTAL 1:1000 (A1)  
 VERTICAL 1:100 (A1)  
 ORIGINAL SHEET SIZE A1

CLIENT  
**MIRVAC GROUP**  
 PROJECT  
**EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT**  
 LOCATION  
**TEVIOT ROAD, GREENBANK**  
 SHEET TITLE  
**STORMWATER DRAINAGE LONG SECTIONS - SHEET 1**

JOB CODE  
**MIR012-02**  
 SHEET NUMBER  
**C410**  
 REV  
**AC**



STRUCTURE NAME	1/518
STRUCTURE DESCRIPTION	IPWEA KERB INLET (SAG) L.L.I.; 2.4m Lintel
	8/506
	IPWEA MANHOLE 1350mm DIA

1/519	IPWEA KERB INLET L.L.I.; 2.4m Lintel
8/506	IPWEA MANHOLE 1350mm DIA

4/524	IPWEA KERB INLET L.L.I.; 2.4m Lintel
5/524	IPWEA KERB INLET L.L.I.; 2.4m Lintel
6/524	IPWEA KERB INLET (SAG) L.L.I.; 2.4m Lintel ON 1050mm DIA MANHOLE
7/524	IPWEA MANHOLE 1200mm DIA
8/524	IPWEA MANHOLE 1050mm DIA
9/524	IPWEA KERB INLET L.L.I.; 2.4m Lintel ON 1050mm DIA MANHOLE
10/524	IPWEA MANHOLE 1050mm DIA
12/524	IPWEA MANHOLE 1500mm DIA
13/524	IPWEA MANHOLE 1500mm DIA

1/527	IPWEA KERB INLET (SAG) L.L.I.; 2.4m Lintel
6/524	IPWEA KERB INLET L.L.I.; 2.4m Lintel ON 1050mm DIA MANHOLE

4/528	IPWEA MANHOLE 1050mm DIA
5/528	IPWEA MANHOLE 1050mm DIA
11/524	IPWEA MANHOLE 1200mm DIA
12/524	IPWEA MANHOLE 1500mm DIA

1/529	IPWEA KERB INLET L.L.I.; 2.4m Lintel
2/529	IPWEA KERB INLET L.L.I.; 2.4m Lintel
3/529	IPWEA KERB INLET L.L.I.; 2.4m Lintel
12/524	IPWEA MANHOLE 1500mm DIA

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PIPE SIZE (mm)	525
PIPE CLASS	2
PIPE GRADE (%)	1.22%
PIPE SLOPE (1 in X)	100.0
FULL PIPE VELOCITY (m/s)	0.35
PART FULL VELOCITY (m/s)	1.50
PIPE FLOW (cumecs)	0.076
PIPE CAPACITY AT GRADE (cumecs)	0.430
DATUM RL	51.0

PIPE SIZE (mm)	525
PIPE CLASS	2
PIPE GRADE (%)	1.75%
PIPE SLOPE (1 in X)	100.0
FULL PIPE VELOCITY (m/s)	0.38
PART FULL VELOCITY (m/s)	1.53
PIPE FLOW (cumecs)	0.082
PIPE CAPACITY AT GRADE (cumecs)	0.430
DATUM RL	51.0

450	600	675	675	675	675	675	750
2	2	2	2	2	2	2	2
1.88%	1.75%	2.06%	3.97%	2.86%	1.67%	2.18%	3.32%
20.1	56.8	56.1	27.7	34.5	58.0	45.5	29.9
1.42	0.94	1.10	1.10	1.10	1.29	1.29	1.96
3.64	2.69	3.91	3.41	3.41	3.23	3.61	4.42
0.227	0.265	0.394	0.394	0.392	0.463	0.461	0.856
0.630	0.868	1.728	1.432	1.104	1.247	1.457	2.056
46.0							
66.151							
67.620	64.095	63.752	63.710	63.467	62.708	62.428	58.982
67.651	64.095	63.752	63.710	63.467	62.708	62.428	61.517
67.558	64.095	63.752	63.710	63.467	62.708	62.428	61.517
67.502	64.095	63.752	63.710	63.467	62.708	62.428	61.517
1.274	1.358	1.421	1.475	1.811	1.565	1.695	1.800
66.880	63.573	63.497	63.014	62.743	62.000	61.694	58.470
66.862	63.558	63.482	63.000	62.728	62.000	61.680	58.470
66.808	63.495	63.419	62.936	62.714	62.000	61.666	58.470
66.819	63.480	63.404	62.921	62.700	62.000	61.652	58.470
66.819	63.465	63.389	62.906	62.685	62.000	61.637	58.470
66.819	63.450	63.374	62.891	62.670	62.000	61.622	58.470
66.819	63.435	63.359	62.876	62.655	62.000	61.607	58.470
66.819	63.420	63.344	62.861	62.640	62.000	61.592	58.470
66.819	63.405	63.329	62.846	62.625	62.000	61.577	58.470
66.819	63.390	63.314	62.831	62.610	62.000	61.562	58.470
66.819	63.375	63.299	62.816	62.595	62.000	61.547	58.470
66.819	63.360	63.284	62.801	62.580	62.000	61.532	58.470
66.819	63.345	63.269	62.786	62.565	62.000	61.517	58.470
66.819	63.330	63.254	62.771	62.550	62.000	61.502	58.470
66.819	63.315	63.239	62.756	62.535	62.000	61.487	58.470
66.819	63.300	63.224	62.741	62.520	62.000	61.472	58.470
66.819	63.285	63.209	62.726	62.505	62.000	61.457	58.470
66.819	63.270	63.194	62.711	62.490	62.000	61.442	58.470
66.819	63.255	63.179	62.696	62.475	62.000	61.427	58.470
66.819	63.240	63.164	62.681	62.460	62.000	61.412	58.470
66.819	63.225	63.149	62.666	62.445	62.000	61.397	58.470
66.819	63.210	63.134	62.651	62.430	62.000	61.382	58.470
66.819	63.195	63.119	62.636	62.415	62.000	61.367	58.470
66.819	63.180	63.104	62.621	62.400	62.000	61.352	58.470
66.819	63.165	63.089	62.606	62.385	62.000	61.337	58.470
66.819	63.150	63.074	62.591	62.370	62.000	61.322	58.470
66.819	63.135	63.059	62.576	62.355	62.000	61.307	58.470
66.819	63.120	63.044	62.561	62.340	62.000	61.292	58.470
66.819	63.105	63.029	62.546	62.325	62.000	61.277	58.470
66.819	63.090	63.014	62.531	62.310	62.000	61.262	58.470
66.819	63.075	63.000	62.516	62.295	62.000	61.247	58.470
66.819	63.060	62.985	62.501	62.280	62.000	61.232	58.470
66.819	63.045	62.970	62.486	62.265	62.000	61.217	58.470
66.819	63.030	62.955	62.471	62.250	62.000	61.202	58.470
66.819	63.015	62.940	62.456	62.235	62.000	61.187	58.470
66.819	63.000	62.925	62.441	62.220	62.000	61.172	58.470
66.819	62.985	62.910	62.426	62.205	62.000	61.157	58.470
66.819	62.970	62.895	62.411	62.190	62.000	61.142	58.470
66.819	62.955	62.880	62.396	62.175	62.000	61.127	58.470
66.819	62.940	62.865	62.381	62.160	62.000	61.112	58.470
66.819	62.925	62.850	62.366	62.145	62.000	61.097	58.470
66.819	62.910	62.835	62.351	62.130	62.000	61.082	58.470
66.819	62.895	62.820	62.336	62.115	62.000	61.067	58.470
66.819	62.880	62.805	62.321	62.100	62.000	61.052	58.470
66.819	62.865	62.790	62.306	62.085	62.000	61.037	58.470
66.819	62.850	62.775	62.291	62.070	62.000	61.022	58.470
66.819	62.835	62.760	62.276	62.055	62.000	61.007	58.470
66.819	62.820	62.745	62.261	62.040	62.000	60.992	58.470
66.819	62.805	62.730	62.246	62.025	62.000	60.977	58.470
66.819	62.790	62.715	62.231	62.010	62.000	60.962	58.470
66.819	62.775	62.700	62.216	61.995	62.000	60.947	58.470
66.819	62.760	62.685	62.201	61.980	62.000	60.932	58.470
66.819	62.745	62.670	62.186	61.965	62.000	60.917	58.470
66.819	62.730	62.655	62.171	61.950	62.000	60.902	58.470
66.819	62.715	62.640	62.156	61.935	62.000	60.887	58.470
66.819	62.700	62.625	62.141	61.920	62.000	60.872	58.470
66.819	62.685	62.610	62.126	61.905	62.000	60.857	58.470
66.819	62.670	62.595	62.111	61.890	62.000	60.842	58.470
66.819	62.655	62.580	62.096	61.875	62.000	60.827	58.470
66.819	62.640	62.565	62.081	61.860	62.000	60.812	58.470
66.819	62.625	62.550	62.066	61.845	62.000	60.797	58.470
66.819	62.610	62.535	62.051	61.830	62.000	60.782	58.470
66.819	62.595	62.520	62.036	61.815	62.000	60.767	58.470
66.819	62.580	62.505	62.021	61.800	62.000	60.752	58.470
66.819	62.565	62.490	62.006	61.785	62.000	60.737	58.470
66.819	62.550	62.475	61.991	61.770	62.000	60.722	58.470
66.819	62.535	62.460	61.976	61.755	62.000	60.707	58.470
66.819	62.520	62.445	61.961	61.740	62.000	60.692	58.470
66.819	62.505	62.430	61.946	61.725	62.000	60.677	58.470
66.819	62.490	62.415	61.931	61.710	62.000	60.662	58.470
66.819	62.475	62.400	61.916	61.695	62.000	60.647	58.470
66.819	62.460	62.385	61.901	61.680	62.000	60.632	58.470
66.819	62.445	62.370	61.886	61.665	62.000	60.617	58.470
66.819	62.430	62.355	61.871	61.650	62.000	60.602	58.470
66.819	62.415	62.340	61.856	61.635	62.000	60.587	58.470
66.819	62.400	62.325	61.841	61.620	62.000	60.572	58.470
66.819	62.385	62.310	61.826	61.605	62.000	60.557	58.470
66.819	62.370	62.295	61.811	61.590	62.000	60.542	58.470
66.819	62.355	62.280	61.796	61.575	62.000	60.527	58.470
66.819	62.340	62.265	61.781	61.560	62.000	60.512	58.470
66.819	62.325	62.250	61.766	61.545	62.000	60.497	58.470
66.819	62.310	62.235	61.751	61.530	62.000	60.482	58.470
66.819	62.295	62.220	61.736	61.515	62.000	60.467	58.470
66.819	62.280	62.205	61.721	61.500	62.000	60.452	58.470
66.819	62.265	62.190	61.706	61.485	62.000	60.437	58.470
66.819	62.250	62.175	61.691	61.470	62.000	60.422	58.470
66.819	62.235	62.160	61.676	61.455			

STRUCTURE NAME	1/530	11/524
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.L.I.; 2.4m Limetel	IPWEA MANHOLE 1200mm DIA

1/557	5/528
IPWEA KERB INLET L.L.I.; 2.4m Limetel	IPWEA MANHOLE 1050mm DIA

1/558	5/528
IPWEA KERB INLET L.L.I.; 2.4m Limetel	IPWEA MANHOLE 1050mm DIA

1/559	11/524
IPWEA KERB INLET (SAG) L.L.I.; 2.4m Limetel	IPWEA MANHOLE 1200mm DIA

**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: 26/11/2021

**AS CONSTRUCTED**

PIPE SIZE (mm)	450	375	375	375
PIPE CLASS	2	2	2	2
PIPE GRADE (%)	2.38% <del>3.00%</del>	1.51% <del>1.09%</del>	1.04% <del>1.01%</del>	1.23% <del>1.01%</del>
PIPE SLOPE (1 in X)	77.7 <del>41.8</del>	65.9 <del>41.8</del>	99.2 <del>41.8</del>	99.4 <del>41.8</del>
FULL PIPE VELOCITY (m/s)	0.28	0.41	0.40	0.41
PART FULL VELOCITY (m/s)	1.92	1.46	1.32	1.33
PIPE FLOW (cumecs)	0.044	0.045	0.044	0.045
PIPE CAPACITY AT GRADE (cumecs)	0.494	0.199	0.175	0.175
DATUM RL	46.0	50.0	49.0	46.0
WSE IN STRUCTURE	61.756	64.318	64.220	61.846
HGL IN PIPE	61.718	64.236	64.141	61.763
DEPTH OF INVERT BELOW FSL	1.197	1.316	1.150	1.113
INVERT LEVEL	<del>64.366</del> 61.235	<del>63.864</del> 63.839	<del>63.766</del> 63.759	<del>64.360</del> 61.399
FINISHED (& EXISTING) SURFACE LEVEL	64.426 <del>64.466</del> (64.141)	65.090 <del>64.977</del> (69.527)	64.850 <del>64.946</del> (69.138)	62.487 <del>64.735</del> (64.735)
CHAINAGE	0.000 2.868 2.868	0.000 7.481 7.481	0.000 2.976 2.976	0.000 6.688 6.688
LINE	530	557	558	559

**AS CONSTRUCTED**

26/11/2021	B	AS CONSTRUCTED		
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	REC	APP
DATE	REV	DESCRIPTION	REC	APP

**Premise**

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

DESIGNED  
B ADAMS

CHECKED  
M MAJZNER

PROJECT MANAGER  
R LLEWELYN

PROJECT DIRECTOR  
PAT BRADY RPEQ 7112

SCALE

HORIZONTAL 1:1000 (A1)

VERTICAL 1:100 (A1)

ORIGINAL SHEET SIZE A1

CLIENT  
**MIRVAC GROUP**

PROJECT  
**EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT**

LOCATION  
**TEVIOT ROAD, GREENBANK**

SHEET TITLE  
**STORMWATER DRAINAGE LONG SECTIONS - SHEET 3**

JOB CODE  
**MIR012-02**

SHEET NUMBER  
**C412**

REV  
**AC**