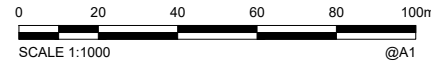




REFER TO PLAN  
ASC-STORMWATER-02-9.2

REFER TO PLAN  
ASC-STORMWATER-03-9.2

REFER TO PLAN  
ASC-STORMWATER-04-9.2



**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)

**ENGINEER'S CERTIFICATION**  
I, \_\_\_\_\_, hereby certify that:  
1. The information contained in this drawing / document is in compliance with approved drawings and design.  
2. The new water and sewerage works defined by this drawing have been designed and constructed in accordance with the SEQ Code.  
3. This represents an accurate record of as-constructed works.  
4. 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: 14/09/2022

A1	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE
	-	-	-	DRAWN	RDE	14/09/2022		
	A	14/09/2022	AS CONSTRUCTED	CHECKED	DAM	14/09/2022		
				PASSED	CW	14/09/2022		



**LOGAN CITY COUNCIL**  
MIRVAC MIR012-02  
AS CONSTRUCTED SURVEY - STORMWATER  
EVERLEIGH PRECINCT 9.2  
GREENBANK QLD

SHEET 1 OF 4 SHEETS	SCALE 1:1000 A1
REVISION DATE 14/09/2022	REVISION A
DISCIPLINE CODE -	
DRAWING NO. ASC-STORMWATER-01-9.2	

**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)

**REGISTERED SURVEYOR'S CERTIFICATION**

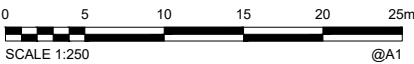
I, Gordon Nicholson, hereby certify that the vertical and horizontal locations and dimensions shown on this plan are a true and correct record and were located by survey.

Registered Surveyor (sig.) Reg. Surveyor No. SA 3405 Date: 14/09/2022

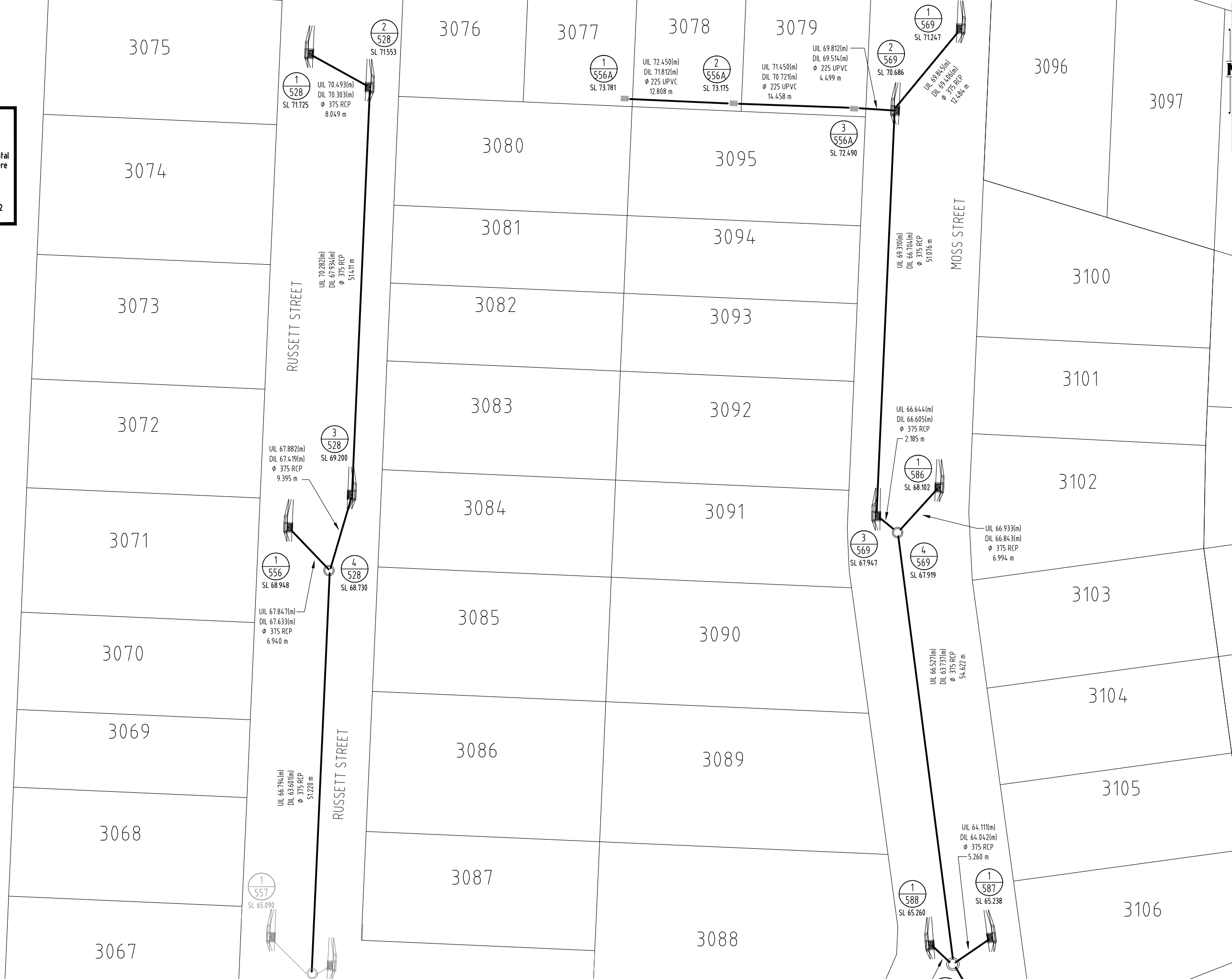
**ENGINEER'S CERTIFICATION**

I, \_\_\_\_\_, hereby certify that:  
 1. The information contained in this drawing / document is in compliance with approved drawings and design.  
 2. The new water and sewerage works defined by this drawing have been designed and constructed in accordance with the SEQ Code.  
 3. This represents an accurate record of as-constructed works  
 4. I accept responsibility for the information contained in this drawing / document.

RPEQ (Signature) RPEQ No. \_\_\_\_\_ Date: \_\_\_\_\_



**AS CONSTRUCTED**



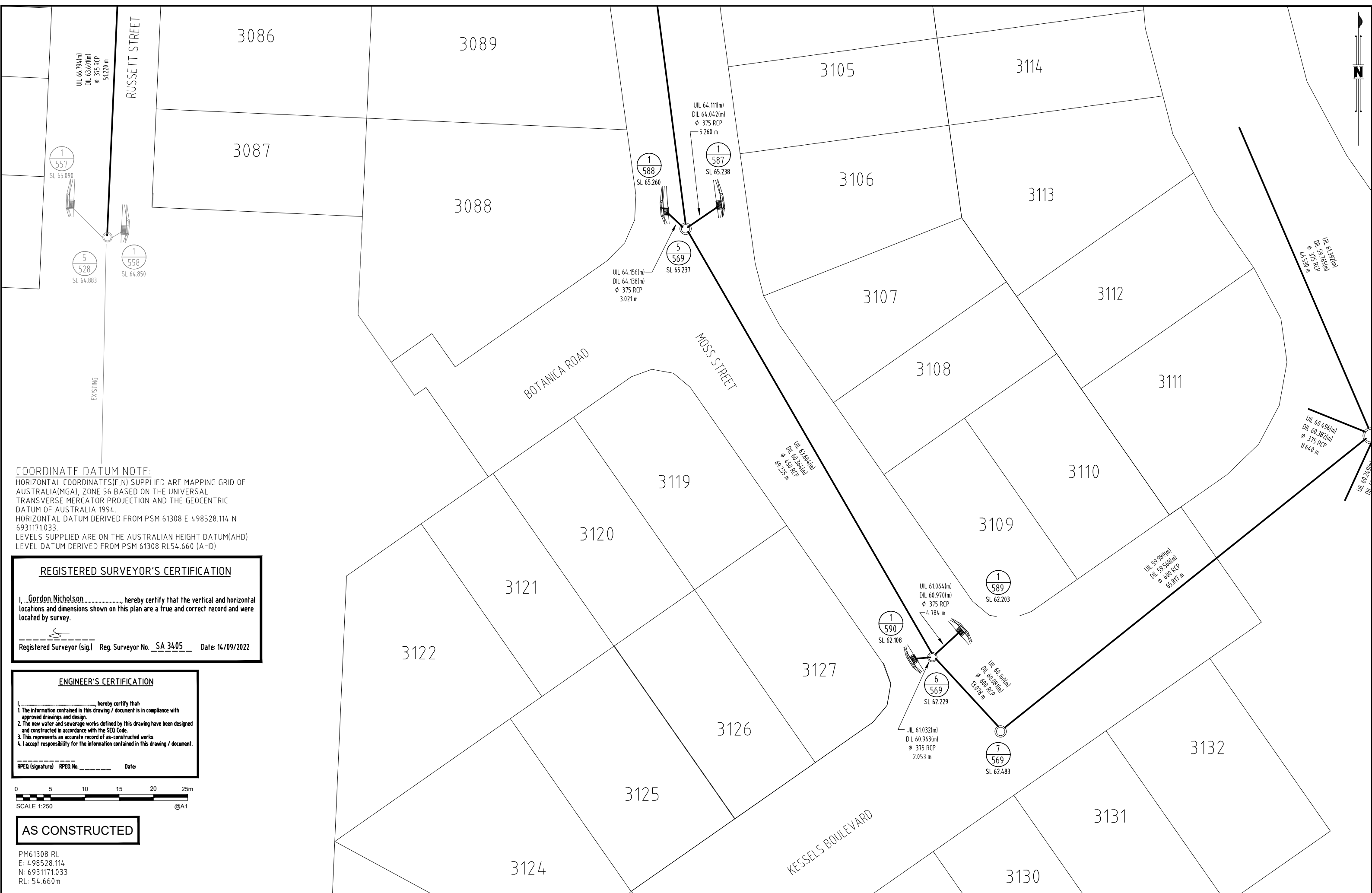
PM61308 RL  
 E: 498528.114  
 N: 6931171.033  
 RL: 54.660m

A1	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE
	A	14/09/2022	AS CONSTRUCTED	RDE	DAM	CW		14/09/2022

38 Shadforth Lane, Forest Glen QLD 4086  
 07 5438 2550 • 07 5438 2555 • shadforth@shadforth.com.au

**LOGAN CITY COUNCIL**  
 MIRVAC MIR012-02  
 AS CONSTRUCTED SURVEY - STORMWATER  
 EVERLEIGH PRECINCT 9.2  
 GREENBANK QLD

SHEET 2 OF 4 SHEETS	SCALE 1:250 A1
REVISION DATE 14/09/2022	REVISION A
DISCIPLINE CODE	
DRAWING NO.	
<b>ASC-STORMWATER-02-9.2</b>	



**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)

**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.

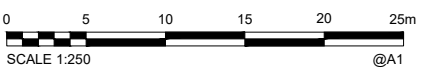
Registered Surveyor (sig.) Reg. Surveyor No. SA 3405 Date: 14/09/2022

**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**

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

A1	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE
	A	14/09/2022	AS CONSTRUCTED	RDE	DAM	CW		14/09/2022

**shadforth**

38 Southwood Lane, Forest Glen QLD 4036  
 07 5438 2550 • 07 5438 2555 • shadforth@shadforth.com.au

**LOGAN CITY COUNCIL**

**LOGAN CITY COUNCIL**

MIRVAC MIR012-02  
 AS CONSTRUCTED SURVEY - STORMWATER  
 EVERLEIGH PRECINCT 9.2  
 GREENBANK QLD

SHEET 3 OF 4 SHEETS	SCALE 1:250 A1
REVISION DATE 14/09/2022	REVISION A
DISCIPLINE CODE	
DRAWING NO.	
<b>ASC-STORMWATER-03-9.2</b>	

**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)

**REGISTERED SURVEYOR'S CERTIFICATION**

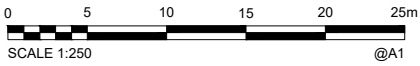
I, Gordon Nicholson, hereby certify that the vertical and horizontal locations and dimensions shown on this plan are a true and correct record and were located by survey.

Registered Surveyor (sig) [Signature] Reg. Surveyor No. SA 3405 Date: 14/09/2022

**ENGINEER'S CERTIFICATION**

I, \_\_\_\_\_, hereby certify that:  
 1. The information contained in this drawing / document is in compliance with approved drawings and design.  
 2. The new water and sewerage works defined by this drawing have been designed and constructed in accordance with the SEQ Code.  
 3. This represents an accurate record of as-constructed works  
 4. I accept responsibility for the information contained in this drawing / document.

RPEQ (signature) RPEQ No. \_\_\_\_\_ Date: \_\_\_\_\_



**AS CONSTRUCTED**



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

A1	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE
	A	14/09/2022	AS CONSTRUCTED	RDE	DAM	CW		14/09/2022

38 Shadforth Lane, Forest Glen QLD 4036  
 ph: 07 5438 2500 | fx: 07 5438 2588 | e: shadforth@shadforth.com.au

**LOGAN CITY COUNCIL**

MIRVAC MIR012-02  
 AS CONSTRUCTED SURVEY - STORMWATER  
 EVERLEIGH PRECINCT 9.2  
 GREENBANK QLD

SHEET 4 OF 4 SHEETS	SCALE 1:250 A1
REVISION DATE 14/09/2022	REVISION A
DISCIPLINE CODE	
DRAWING NO.	
<b>ASC-STORMWATER-04-9.2</b>	



STRUCTURE NAME	1/528	2/528	3/528	4/528	TE/528
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.L.I.; 2.4m Lintel	IPWEA KERB INLET L.L.I.; 2.4m Lintel	IPWEA KERB INLET L.L.I.; 2.4m Lintel	IPWEA MANHOLE 1050mm DIA	EXISTING PIPE END

1/529	2/529
IPWEA KERB INLET L.L.I.; 2.4m Lintel	EXISTING IPWEA KERB INLET L.L.I.; 2.4m Lintel

1/536	2/536
IPWEA KERB INLET L.L.I.; 2.4m Lintel	EXISTING IPWEA KERB INLET L.L.I.; 2.4m Lintel

1/546	1A/546	1B/546	2/546	3/546	4/546	5/546
IPWEA KERB INLET L.L.I.; 2.4m Lintel	IPWEA KERB INLET L.L.I.; 2.4m Lintel ON 1050mm DIA MANHOLE	IPWEA MANHOLE 1050mm DIA	IPWEA MANHOLE 1050mm DIA	IPWEA MANHOLE 1200mm DIA	IPWEA MANHOLE 1050mm DIA	IPWEA MANHOLE 1800mm DIA

1/556	4/528
IPWEA KERB INLET L.L.I.; 2.4m Lintel	IPWEA MANHOLE 1050mm DIA

1/563	2/563	3/563	4/563
IPWEA FIELD INLET - 900x600 TYPE 2 L.D. GRATE	IPWEA FIELD INLET - 900x600 TYPE 2 L.D. GRATE	IPWEA FIELD INLET - 900x600 TYPE 2 L.D. GRATE	IPWEA FIELD INLET - 900x600 TYPE 2 L.D. GRATE

**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: 14/09/2022

- # TERMINATE MANHOLE 500mm BELOW FSL WITH STEEL PLATE TO COVER
- \* SANDBAG AND SEAL PIPE END FOR FUTURE CONNECTION.

PIPE SIZE (mm)	375	375	375	375
PIPE CLASS	2.36%	4.567%	4.928%	6.234%
PIPE GRADE (%)	<del>1.93%</del>	<del>4.29%</del>	<del>5.02%</del>	<del>6.20%</del>
PIPE SLOPE (1 in X)	<del>51.9</del>	<del>73.1</del>	<del>119.9</del>	<del>161.1</del>
FULL PIPE VELOCITY (m/s)	42.365	21.896	20.292	16.041
PART FULL VELOCITY (m/s)	1.37	2.26	2.86	3.44
PIPE FLOW (cumecs)	0.022	0.046	0.087	0.128
PIPE CAPACITY AT GRADE (cumecs)	0.243	0.363	0.393	0.437

DATUM RL	55.0			
WSE IN STRUCTURE	70.586			
HGL IN PIPE	70.566	70.445	68.183	64.460
DEPTH OF INVERT BELOW FSL	1.317	1.315	1.348	1.434
INVERT LEVEL	<del>70.465</del> 70.483	<del>70.303</del> 70.288	<del>67.934</del> 67.899	<del>63.601</del> 64.196
FINISHED (& EXISTING) SURFACE LEVEL	71.725 <del>71.774</del>	71.553 <del>71.602</del>	69.200 <del>69.249</del>	64.883 <del>64.932</del>
CHAINAGE	0.000	8.966	52.405	113.786

PIPE SIZE (mm)	375	375
PIPE CLASS	2	2
PIPE GRADE (%)	2.03%	5.00%
PIPE SLOPE (1 in X)	49.2	20.0
FULL PIPE VELOCITY (m/s)	0.33	0.26
PART FULL VELOCITY (m/s)	1.62	2.08
PIPE FLOW (cumecs)	0.037	0.029
PIPE CAPACITY AT GRADE (cumecs)	0.250	0.392

DATUM RL	48.0	44.0
WSE IN STRUCTURE	62.562	60.324
HGL IN PIPE	62.507	60.290
DEPTH OF INVERT BELOW FSL	1.345	1.407
INVERT LEVEL	62.368	60.168
FINISHED (& EXISTING) SURFACE LEVEL	63.620 <del>63.774</del>	61.806 <del>61.960</del>
CHAINAGE	0.000	24.869

PIPE SIZE (mm)	375	375	375	375	375	450
PIPE CLASS	2	2	2	2	2	2
PIPE GRADE (%)	5.00%	2.54%	2.71%	3.16%	6.75%	3.497%
PIPE SLOPE (1 in X)	20.0	39.4	36.9	31.7	14.8	<del>78.6</del>
FULL PIPE VELOCITY (m/s)	0.28	0.32	0.32	0.32	1.07	<del>3.50%</del>
PART FULL VELOCITY (m/s)	2.11	1.73	1.77	1.87	3.46	3.14
PIPE FLOW (cumecs)	0.031	0.035	0.035	0.035	0.118	0.208
PIPE CAPACITY AT GRADE (cumecs)	0.392	0.279	0.289	0.312	0.456	0.534

DATUM RL	50.0					
WSE IN STRUCTURE	69.370					
HGL IN PIPE	69.342	68.283	67.698	67.565	66.228	59.983
DEPTH OF INVERT BELOW FSL	1.273	1.341	1.990	2.004	1.866	2.185
INVERT LEVEL	69.216	68.212	67.563	67.426	67.117	66.816
FINISHED (& EXISTING) SURFACE LEVEL	73.823 <del>73.872</del>	69.553 <del>69.602</del>	72.579 <del>72.628</del>	69.450 <del>69.499</del>	69.002 <del>69.051</del>	61.389 <del>61.438</del>
CHAINAGE	0.000	20.083	4.605	24.689	55.372	186.476

PIPE SIZE (mm)	375
PIPE CLASS	3.084%
PIPE GRADE (%)	<del>1.04%</del>
PIPE SLOPE (1 in X)	<del>96.1</del>
FULL PIPE VELOCITY (m/s)	32.429
PART FULL VELOCITY (m/s)	1.32
PIPE FLOW (cumecs)	0.042
PIPE CAPACITY AT GRADE (cumecs)	0.179

DATUM RL	55.0
WSE IN STRUCTURE	67.956
HGL IN PIPE	67.885
DEPTH OF INVERT BELOW FSL	1.274
INVERT LEVEL	<del>67.729</del> 67.847
FINISHED (& EXISTING) SURFACE LEVEL	68.730 <del>68.779</del>
CHAINAGE	0.000

PIPE SIZE (mm)	225	225	225
PIPE CLASS	2.827%	5.206%	3.430%
PIPE GRADE (%)	<del>2.86%</del>	<del>5.00%</del>	<del>3.40%</del>
PIPE SLOPE (1 in X)	<del>35.8</del>	<del>70.0</del>	<del>79.4</del>
FULL PIPE VELOCITY (m/s)	35.372	19.207	29.157
PART FULL VELOCITY (m/s)	1.58	2.31	2.26
PIPE FLOW (cumecs)	0.012	0.023	0.035
PIPE CAPACITY AT GRADE (cumecs)	0.090	0.119	0.098

DATUM RL	45.0		
WSE IN STRUCTURE	61.575		
HGL IN PIPE	61.540	61.189	59.785
DEPTH OF INVERT BELOW FSL	1.101	1.101	1.357
INVERT LEVEL	<del>64.449</del> 61.426	<del>64.049</del> 60.678	<del>60.631</del> 60.581
FINISHED (& EXISTING) SURFACE LEVEL	63.620 <del>63.669</del>	61.794 <del>61.843</del>	60.941 <del>60.990</del>
CHAINAGE	0.000	14.000	45.916

LINE 528

529

536 546

556

563

**FOR CONSTRUCTION**

14/09/2022	C	AS CONSTRUCTED		
05/11/2021	B	ISSUED FOR CONSTRUCTION	MD	PB
03/09/2021	A	ORIGINAL ISSUE	KK	PB
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

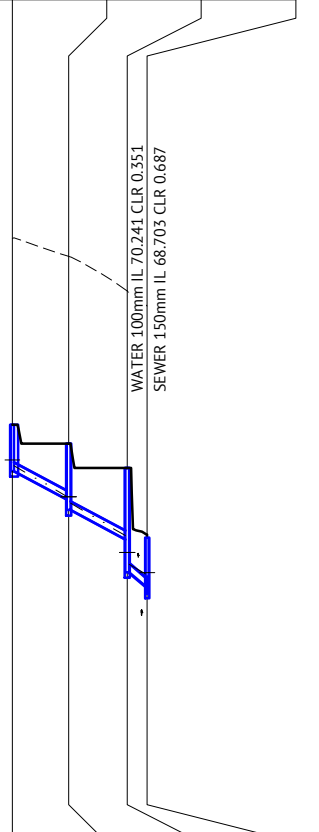
DESIGNED  
K KIWANG  
 CHECKED  
A LANGDON  
 PROJECT MANAGER  
S STEINHOFER  
 PROJECT DIRECTOR  
PATRICK BRADY  
 RPEQ 7112

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

CLIENT  
MIRVAC QLD PTY LTD  
 PROJECT  
EVERLEIGH PRECINCT 9.2 SUBDIVISION DEVELOPMENT  
 LOCATION  
TEVIOT ROAD, GREENBANK  
 SHEET TITLE  
STORMWATER DRAINAGE LONG SECTIONS - SHEET 1 OF 3

JOB CODE  
MIR009-02  
 SHEET NUMBER  
C410  
 REV  
C

STRUCTURE NAME	1/556A	2/556A	3/556A	2/569
STRUCTURE DESCRIPTION	IPWEA FIELD INLET - 900x600 TYPE L.D. GRATE	IPWEA FIELD INLET - 600x600 TYPE ON 1050mm DIA MANHOLE	IPWEA FIELD INLET - 600x600 TYPE ON 1050mm DIA MANHOLE	IPWEA KERB INLET L.L.I.; 2.4m Lintel



# TERMINATE MANHOLE 500mm BELOW FSL WITH STEEL PLATE TO COVER  
 \* SANDBAG AND SEAL PIPE END FOR FUTURE CONNECTION.

PIPE SIZE (mm)	225	225	225
PIPE CLASS	4.981%	5.042%	6.623%
PIPE GRADE (%)	<del>5.00%</del>	<del>5.00%</del>	<del>7.00%</del>
PIPE SLOPE (1 in X)	<del>20.0</del>	<del>20.0</del>	<del>14.3</del>
FULL PIPE VELOCITY (m/s)	20.076	19.832	15.098
PART FULL VELOCITY (m/s)	2.44	2.79	3.08
PIPE FLOW (cumecs)	0.028	0.045	0.067
PIPE CAPACITY AT GRADE (cumecs)	0.119	0.119	0.119

DATUM RL	57.0			
WSE IN STRUCTURE	72.817			69.836
HGL IN PIPE	72.661	71.851	70.365	69.803
DEPTH OF INVERT BELOW FSL	1.229	1.474	1.883	1.279
INVERT LEVEL	<del>72.511</del> 72.460	<del>71.812</del> 71.776	<del>70.721</del> 70.697	<del>69.514</del> 69.444
FINISHED (& EXISTING) SURFACE LEVEL	<del>73.781</del> 73.673	<del>73.175</del> 73.059	<del>72.690</del> 72.581	<del>70.886</del> 70.789
CHAINAGE	0.000	14.900	30.400	35.683

1/569	2/569	3/569	4/569	5/569	6/569	7/569	5/546	6/546
IPWEA KERB INLET L.L.I.; 2.4m Lintel	IPWEA KERB INLET L.L.I.; 2.4m Lintel	IPWEA KERB INLET L.L.I.; 2.4m Lintel	IPWEA MANHOLE 1050mm DIA	IPWEA MANHOLE 1200mm DIA	IPWEA MANHOLE 1050mm DIA	IPWEA MANHOLE 1200mm DIA	IPWEA MANHOLE 1800mm DIA	TEMPORARY HEADWALL OUTLET
375	375	375	375	450	600	600	675	375
3.516%	5.102%	1.785%	5.126%	4.680%	0.604%	0.640%	4.965%	2
<del>3.93%</del>	<del>5.00%</del>	<del>2.90%</del>	<del>5.12%</del>	<del>4.67%</del>	<del>0.67%</del>	<del>0.67%</del>	<del>5.00%</del>	1.40%
<del>28.438</del>	<del>19.599</del>	<del>56.024</del>	<del>19.508</del>	<del>21.369</del>	<del>165.547</del>	<del>156.336</del>	<del>20.140</del>	71.4
1.54	2.51	2.41	3.20	3.53	1.81	1.81	4.72	0.22
0.014	0.056	0.097	0.127	0.215	0.274	0.273	0.623	0.28
0.348	0.392	0.299	0.397	0.616	0.502	0.502	1.880	0.208
51.0	69.955	69.507	66.991	66.869	64.019	60.527	60.463	44.0
69.947	69.502	66.987	66.907	64.019	60.527	60.440	60.194	60.738
1.470	1.429	1.295	1.315	1.557	1.889	2.054	2.110	1.157
<del>69.862</del> 69.845	<del>69.406</del> 69.377	<del>66.704</del> 66.699	<del>66.630</del> 66.644	<del>66.605</del> 66.576	<del>63.727</del> 63.699	<del>60.364</del> 60.371	<del>59.588</del> 59.555	60.625
<del>71.247</del> (76.483)	<del>70.686</del> (76.889)	<del>67.947</del> (74.673)	<del>67.919</del> (74.280)	<del>65.237</del> (69.973)	<del>62.229</del> (65.927)	<del>62.483</del> (65.621)	<del>61.369</del> (61.821)	60.339
0.000	13.636	52.159	65.795	89.359	125.239	195.614	277.405	20.460
				55.879	70.375	14.352	67.439	20.460
								59.983

1/570	5/546
IPWEA KERB INLET L.L.I.; 2.4m Lintel	IPWEA MANHOLE 1800mm DIA
375	675
2	1.40%
71.4	0.22
0.22	1.26
0.28	0.025
0.208	0.208
44.0	60.194
60.763	60.194
1.157	1.326
60.625	60.339
61.374	61.665
60.625	60.339
20.460	20.460
59.983	59.983

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: 14/09/2022

FOR CONSTRUCTION	
14/09/2022	D AS CONSTRUCTED
17/11/2021	C AMENDED LONG SECTION
05/11/2021	B ISSUED FOR CONSTRUCTION
03/09/2021	A ORIGINAL ISSUE
DATE	REV DESCRIPTION
	REVISIONS

**Premise**  
 BRISBANE OFFICE  
 LEVEL 11, 300 ADELAIDE STREET  
 BRISBANE, QLD 4000  
 PH: (07) 3253 2222  
 WEB: www.premise.com.au

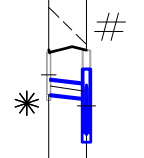
DESIGNED  
K KIWANG  
 CHECKED  
A LANGDON  
 PROJECT MANAGER  
S STEINHOFER  
 PROJECT DIRECTOR  
PATRICK BRADY RPEQ 7112

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

CLIENT  
MIRVAC QLD PTY LTD  
 PROJECT  
EVERLEIGH PRECINCT 9.2 SUBDIVISION DEVELOPMENT  
 LOCATION  
TEVIOT ROAD, GREENBANK  
 SHEET TITLE  
STORMWATER DRAINAGE LONG SECTIONS - SHEET 2 OF 3

JOB CODE  
MIR009-02  
 SHEET NUMBER  
C411  
 REV  
D

STRUCTURE NAME	1/571
STRUCTURE DESCRIPTION	IPWEA KERB INLET (SAG) L.L.I.; 2.4m Lintel
	5/546
	IPWEA MANHOLE 1800mm DIA



# TERMINATE MANHOLE 500mm BELOW FSL WITH STEEL PLATE TO COVER

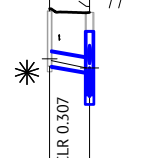
\* SANDBAG AND SEAL PIPE END FOR FUTURE CONNECTION.

PIPE SIZE (mm)	375
PIPE CLASS	1.319%
PIPE GRADE (%)	<del>1.01%</del>
PIPE SLOPE (1 in X)	<del>99.0</del> 75.788
FULL PIPE VELOCITY (m/s)	1.62
PART FULL VELOCITY (m/s)	1.50
PIPE FLOW (cumecs)	0.094
PIPE CAPACITY AT GRADE (cumecs)	0.176
DATUM RL	45.0

WSE IN STRUCTURE	61.014	60.194
HGL IN PIPE	60.717	60.586
DEPTH OF INVERT BELOW FSL	1.123	2.185
INVERT LEVEL	<del>66.443</del> 60.496	<del>66.382</del> 60.382
FINISHED (& EXISTING) SURFACE LEVEL	XXXXXX (62.798)	61.389 (61.821)
CHAINAGE	0.000	9.988

LINE 571

STRUCTURE NAME	1/572
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.L.I.; 2.4m Lintel
	5/546
	IPWEA MANHOLE 1800mm DIA



# TERMINATE MANHOLE 500mm BELOW FSL WITH STEEL PLATE TO COVER

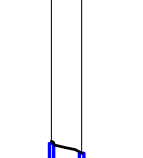
\* SANDBAG AND SEAL PIPE END FOR FUTURE CONNECTION.

PIPE SIZE (mm)	375
PIPE CLASS	1.631%
PIPE GRADE (%)	<del>1.50%</del>
PIPE SLOPE (1 in X)	<del>66.7</del> 61.317
FULL PIPE VELOCITY (m/s)	1.50
PART FULL VELOCITY (m/s)	1.20
PIPE FLOW (cumecs)	0.041
PIPE CAPACITY AT GRADE (cumecs)	0.215
DATUM RL	44.0

WSE IN STRUCTURE	60.459	60.194
HGL IN PIPE	60.389	60.195
DEPTH OF INVERT BELOW FSL	1.462	1.581
INVERT LEVEL	<del>66.942</del> 60.249	<del>66.804</del> 60.100
FINISHED (& EXISTING) SURFACE LEVEL	XXXXXX (62.572)	61.389 (61.821)
CHAINAGE	0.000	10.572

LINE 572

STRUCTURE NAME	1/586
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.L.I.; 2.4m Lintel
	4/569
	IPWEA MANHOLE 1050mm DIA



# TERMINATE MANHOLE 500mm BELOW FSL WITH STEEL PLATE TO COVER

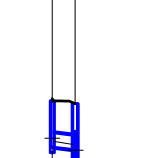
\* SANDBAG AND SEAL PIPE END FOR FUTURE CONNECTION.

PIPE SIZE (mm)	375
PIPE CLASS	1.287%
PIPE GRADE (%)	<del>1.00%</del>
PIPE SLOPE (1 in X)	<del>100.0</del> 77.713
FULL PIPE VELOCITY (m/s)	1.20
PART FULL VELOCITY (m/s)	1.35
PIPE FLOW (cumecs)	0.031
PIPE CAPACITY AT GRADE (cumecs)	0.175
DATUM RL	54.0

WSE IN STRUCTURE	67.108	66.869
HGL IN PIPE	67.068	66.969
DEPTH OF INVERT BELOW FSL	1.258	1.082
INVERT LEVEL	<del>66.942</del> 66.983	<del>66.843</del> 66.869
FINISHED (& EXISTING) SURFACE LEVEL	68.102 (74.138)	67.919 (74.280)
CHAINAGE	0.000	7.992

LINE 586

STRUCTURE NAME	1/587
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.L.I.; 2.4m Lintel
	5/569
	IPWEA MANHOLE 1200mm DIA



# TERMINATE MANHOLE 500mm BELOW FSL WITH STEEL PLATE TO COVER

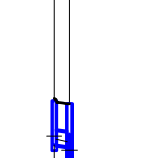
\* SANDBAG AND SEAL PIPE END FOR FUTURE CONNECTION.

PIPE SIZE (mm)	375
PIPE CLASS	1.312%
PIPE GRADE (%)	<del>1.03%</del>
PIPE SLOPE (1 in X)	<del>96.9</del> 76.238
FULL PIPE VELOCITY (m/s)	1.34
PART FULL VELOCITY (m/s)	1.38
PIPE FLOW (cumecs)	0.045
PIPE CAPACITY AT GRADE (cumecs)	0.178
DATUM RL	50.0

WSE IN STRUCTURE	64.339	64.019
HGL IN PIPE	64.255	64.171
DEPTH OF INVERT BELOW FSL	1.276	1.210
INVERT LEVEL	<del>64.199</del> 64.111	<del>64.042</del> 64.116
FINISHED (& EXISTING) SURFACE LEVEL	65.238 (70.140)	65.237 (69.973)
CHAINAGE	0.000	6.045

LINE 587

STRUCTURE NAME	1/588
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.L.I.; 2.4m Lintel
	5/569
	IPWEA MANHOLE 1200mm DIA



# TERMINATE MANHOLE 500mm BELOW FSL WITH STEEL PLATE TO COVER

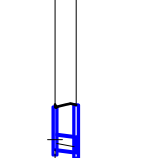
\* SANDBAG AND SEAL PIPE END FOR FUTURE CONNECTION.

PIPE SIZE (mm)	375
PIPE CLASS	0.996%
PIPE GRADE (%)	<del>1.03%</del>
PIPE SLOPE (1 in X)	<del>96.9</del> 167.821
FULL PIPE VELOCITY (m/s)	1.34
PART FULL VELOCITY (m/s)	1.38
PIPE FLOW (cumecs)	0.045
PIPE CAPACITY AT GRADE (cumecs)	0.178
DATUM RL	50.0

WSE IN STRUCTURE	64.391	64.019
HGL IN PIPE	64.310	64.244
DEPTH OF INVERT BELOW FSL	1.172	1.134
INVERT LEVEL	<del>64.199</del> 64.156	<del>64.138</del> 64.116
FINISHED (& EXISTING) SURFACE LEVEL	65.280 (70.192)	65.237 (69.973)
CHAINAGE	0.000	4.048

LINE 588

STRUCTURE NAME	1/589
STRUCTURE DESCRIPTION	IPWEA KERB INLET (SAG) L.L.I.; 2.4m Lintel
	6/569
	IPWEA MANHOLE 1050mm DIA



# TERMINATE MANHOLE 500mm BELOW FSL WITH STEEL PLATE TO COVER

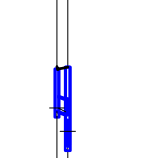
\* SANDBAG AND SEAL PIPE END FOR FUTURE CONNECTION.

PIPE SIZE (mm)	375
PIPE CLASS	1.965%
PIPE GRADE (%)	<del>1.04%</del>
PIPE SLOPE (1 in X)	<del>96.4</del> 50.089
FULL PIPE VELOCITY (m/s)	1.38
PART FULL VELOCITY (m/s)	1.29
PIPE FLOW (cumecs)	0.050
PIPE CAPACITY AT GRADE (cumecs)	0.268
DATUM RL	47.0

WSE IN STRUCTURE	61.298	60.520
HGL IN PIPE	61.199	61.115
DEPTH OF INVERT BELOW FSL	1.130	2.061
INVERT LEVEL	<del>61.036</del> 61.084	<del>60.970</del> 60.160
FINISHED (& EXISTING) SURFACE LEVEL	62.203 (66.341)	62.229 (65.977)
CHAINAGE	0.000	5.582

LINE 589

STRUCTURE NAME	1/590
STRUCTURE DESCRIPTION	IPWEA KERB INLET (SAG) L.L.I.; 2.4m Lintel
	6/569
	IPWEA MANHOLE 1050mm DIA



# TERMINATE MANHOLE 500mm BELOW FSL WITH STEEL PLATE TO COVER

\* SANDBAG AND SEAL PIPE END FOR FUTURE CONNECTION.

PIPE SIZE (mm)	375
PIPE CLASS	3.361%
PIPE GRADE (%)	<del>2.33%</del>
PIPE SLOPE (1 in X)	<del>42.9</del> 29.753
FULL PIPE VELOCITY (m/s)	1.29
PART FULL VELOCITY (m/s)	1.29
PIPE FLOW (cumecs)	0.015
PIPE CAPACITY AT GRADE (cumecs)	0.268
DATUM RL	46.0

WSE IN STRUCTURE	61.137	60.520
HGL IN PIPE	61.128	61.035
DEPTH OF INVERT BELOW FSL	1.127	1.244
INVERT LEVEL	<del>61.036</del> 61.032	<del>60.963</del> 60.976
FINISHED (& EXISTING) SURFACE LEVEL	62.108 (65.800)	62.229 (65.977)
CHAINAGE	0.000	2.871

LINE 590

**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.

*Gordon Nicholson*  
Registered Surveyor (sig.) Reg. Surveyor No. SA 3405 Date: 14/09/2022

<b>FOR CONSTRUCTION</b>		
14/09/2022	C	AS CONSTRUCTED
05/11/2021	B	ISSUED FOR CONSTRUCTION
03/09/2021	A	ORIGINAL ISSUE
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  
**K KIWIANG**  
CHECKED  
**A LANGDON**  
PROJECT MANAGER  
**S STEINHOFER**  
PROJECT DIRECTOR  
*Patrick Brady*  
PATRICK BRADY RPEQ 7112

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

CLIENT  
**MIRVAC QLD PTY LTD**  
PROJECT  
**EVERLEIGH PRECINCT 9.2 SUBDIVISION DEVELOPMENT**  
LOCATION  
**TEVIOT ROAD, GREENBANK**  
SHEET TITLE  
**STORMWATER DRAINAGE LONG SECTIONS - SHEET 3 OF 3**

JOB CODE	
MIR009-02	
SHEET NUMBER	REV
C412	C