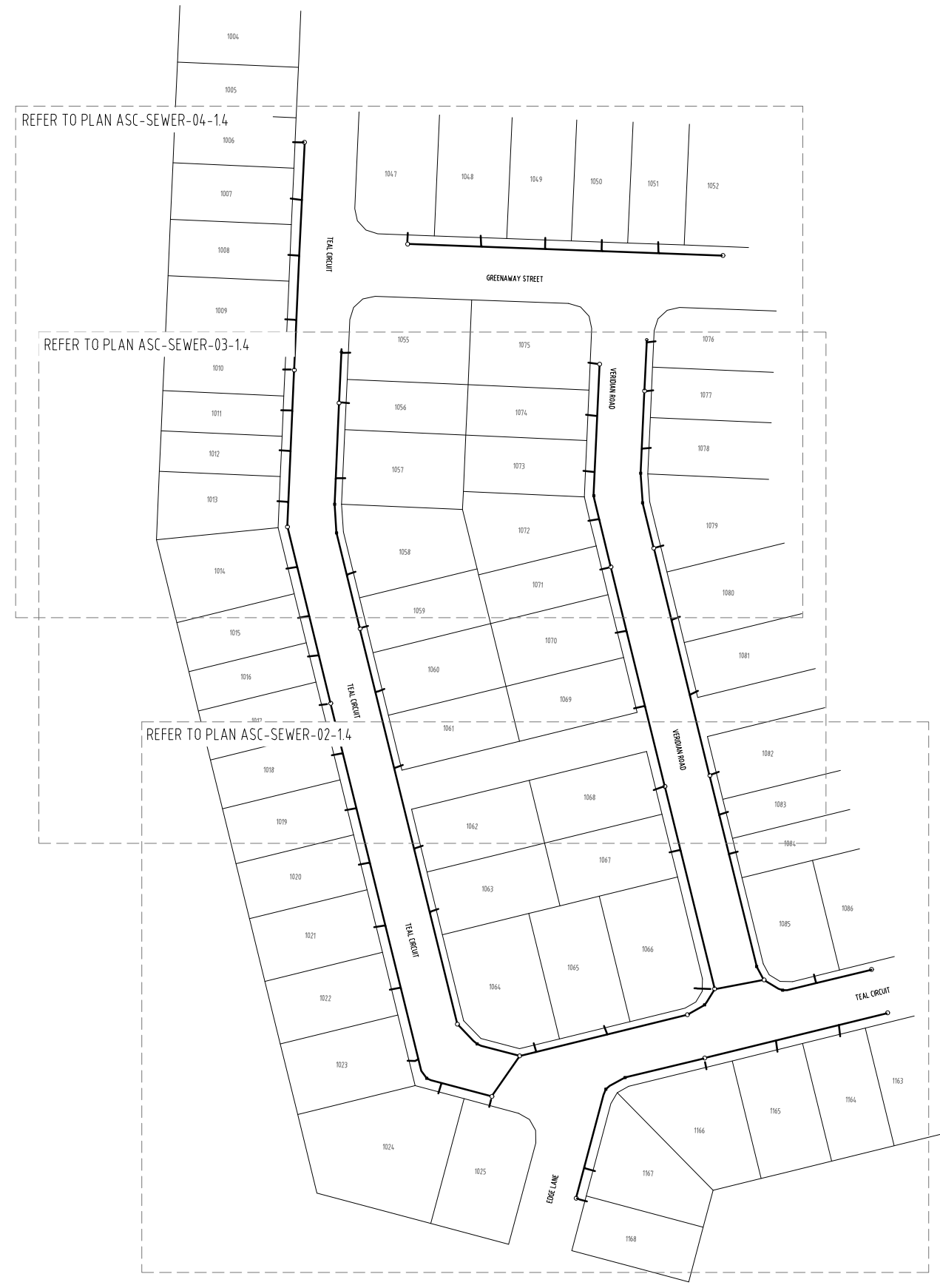


**COORDINATE DATUM NOTE:**  
 HORIZONTAL COORDINATES(E,N) SUPPLIED ARE MAPPING GRID OF AUSTRALIA(MGA),  
 ZONE 56 BASED ON THE UNIVERSAL TRANSVERSE MERCATOR PROJECTION AND THE  
 GEOCENTRIC DATUM OF AUSTRALIA 1994.  
 HORIZONTAL DATUM DERIVED FROM PSM 61308 E 4.98528.114 N 6931171.033.  
 LEVELS SUPPLIED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



**ENGINEER'S CERTIFICATION**

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

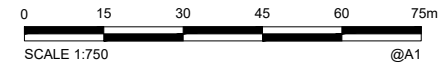
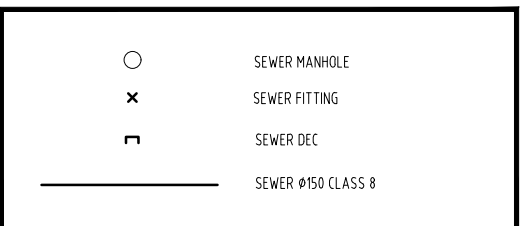
- The information contained in this drawing / document is in compliance with approved drawings and design.
- The new water and sewerage works defined by this drawing have been designed and constructed in accordance with the SEQ Code.
- This represents an accurate record of as-constructed works.
- I accept responsibility for the information contained in this drawing / document.

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

**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: 24/06/2020



**AS CONSTRUCTED**

<b>A1</b>	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

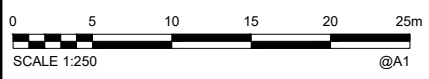


**LOGAN CITY COUNCIL**

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

SHEET 1 OF 4 SHEETS	SCALE 1:750 A1
REVISION DATE 24/06/2020	REVISION A
DISCIPLINE CODE -	
DRAWING NO. ASC-SEWER-01-1.4	

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



**AS CONSTRUCTED**

- SEWER MANHOLE
- × SEWER FITTING
- ┌ SEWER DEC
- SEWER Ø150 CLASS 8

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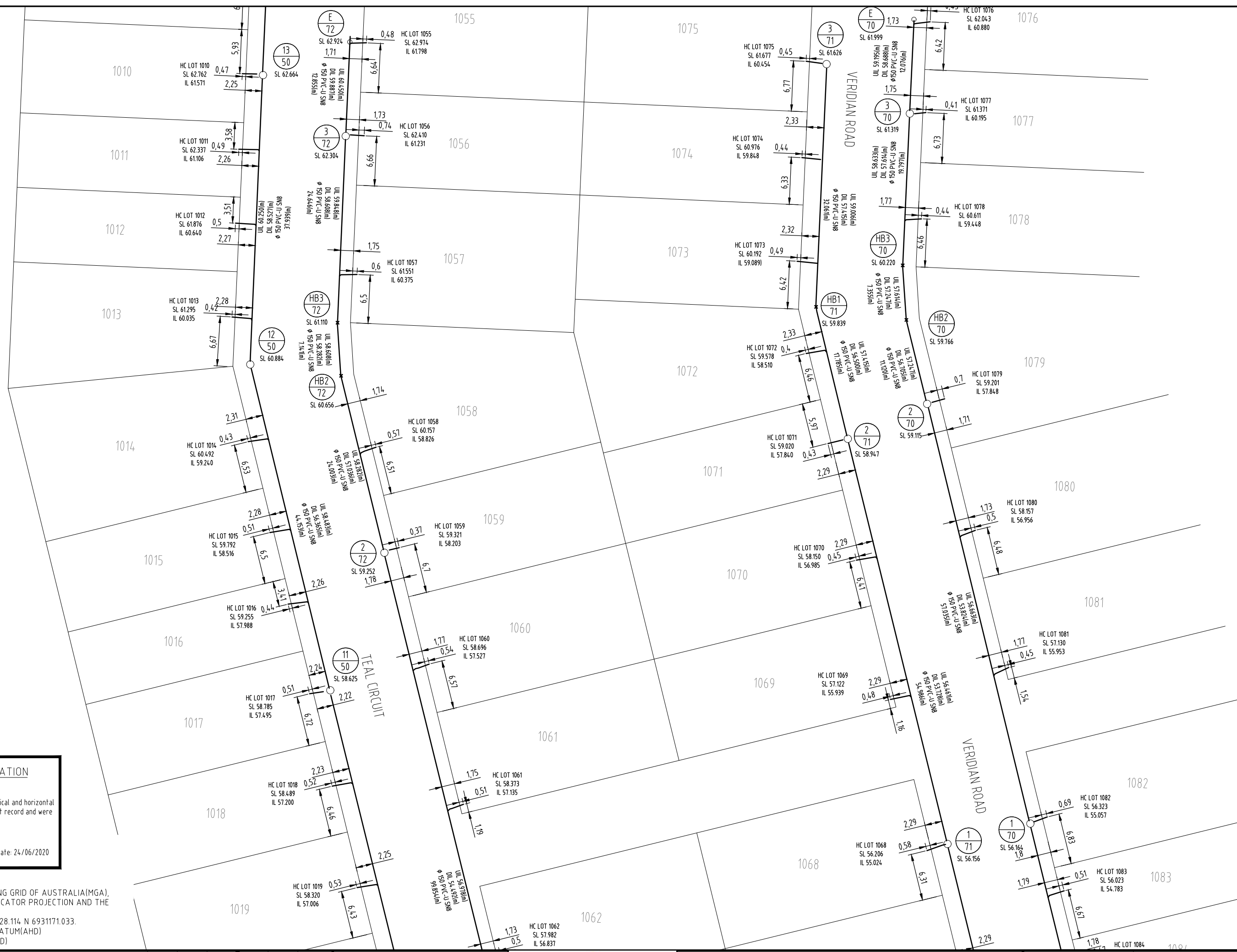
RPEQ (signature) RPEQ No. \_\_\_\_\_ Date: \_\_\_\_\_

**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.

Gordon Nicholson  
 Registered Surveyor (sig.) Reg. Surveyor No. SA 34.05 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		
				DAM	-	LS		
				DAM	-	LS		

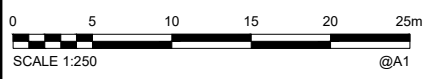
**shadforth**  
 58 Southwood Lane, Forest Glen QLD 4086  
 07 5438 2000 • 07 5438 2008 • shadforth@shadforth.com.au

**LOGAN CITY COUNCIL**

**LOGAN CITY COUNCIL**  
 MIRVAC M1001-04  
 AS CONSTRUCTED SURVEY - SEWER  
 EVERLEIGH PRECINCT 14  
 GREENBANK QLD

SHEET 3 OF 4 SHEETS	SCALE 1:250 A1
REVISION DATE 24/06/2020	REVISION A
DISCIPLINE CODE -	
DRAWING NO. ASC-SEWER-03-14	

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



**AS CONSTRUCTED**

- SEWER MANHOLE
- SEWER FITTING
- SEWER DEC
- SEWER Ø150 CLASS 8

**ENGINEER'S CERTIFICATION**

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- 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).

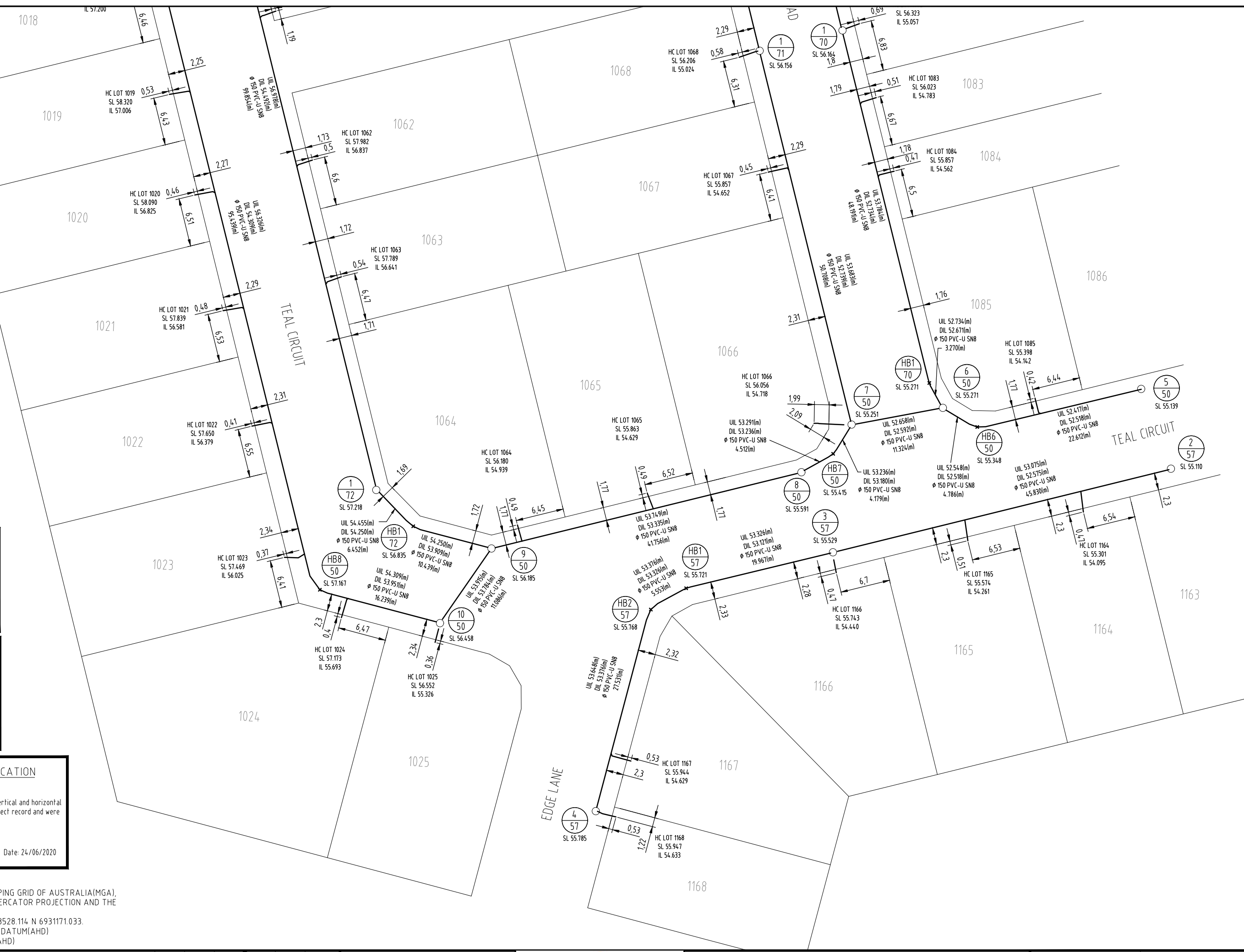
INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE
A1	24/06/2020	AS CONSTRUCTED	DAM	-	LS		24/06/2020

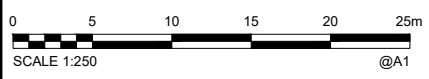


**LOGAN CITY COUNCIL**

MIRVAC M1001-04  
 AS CONSTRUCTED SURVEY - SEWER  
 EVERLEIGH PRECINCT 14  
 GREENBANK QLD

SHEET 4 OF 4 SHEETS	SCALE 1:250 A1
REVISION DATE 24/06/2020	REVISION A
DISCIPLINE CODE -	
DRAWING NO. ASC-SEWER-04-14	





**AS CONSTRUCTED**

- SEWER MANHOLE
- SEWER FITTING
- SEWER DEC
- SEWER Ø150 CLASS 8

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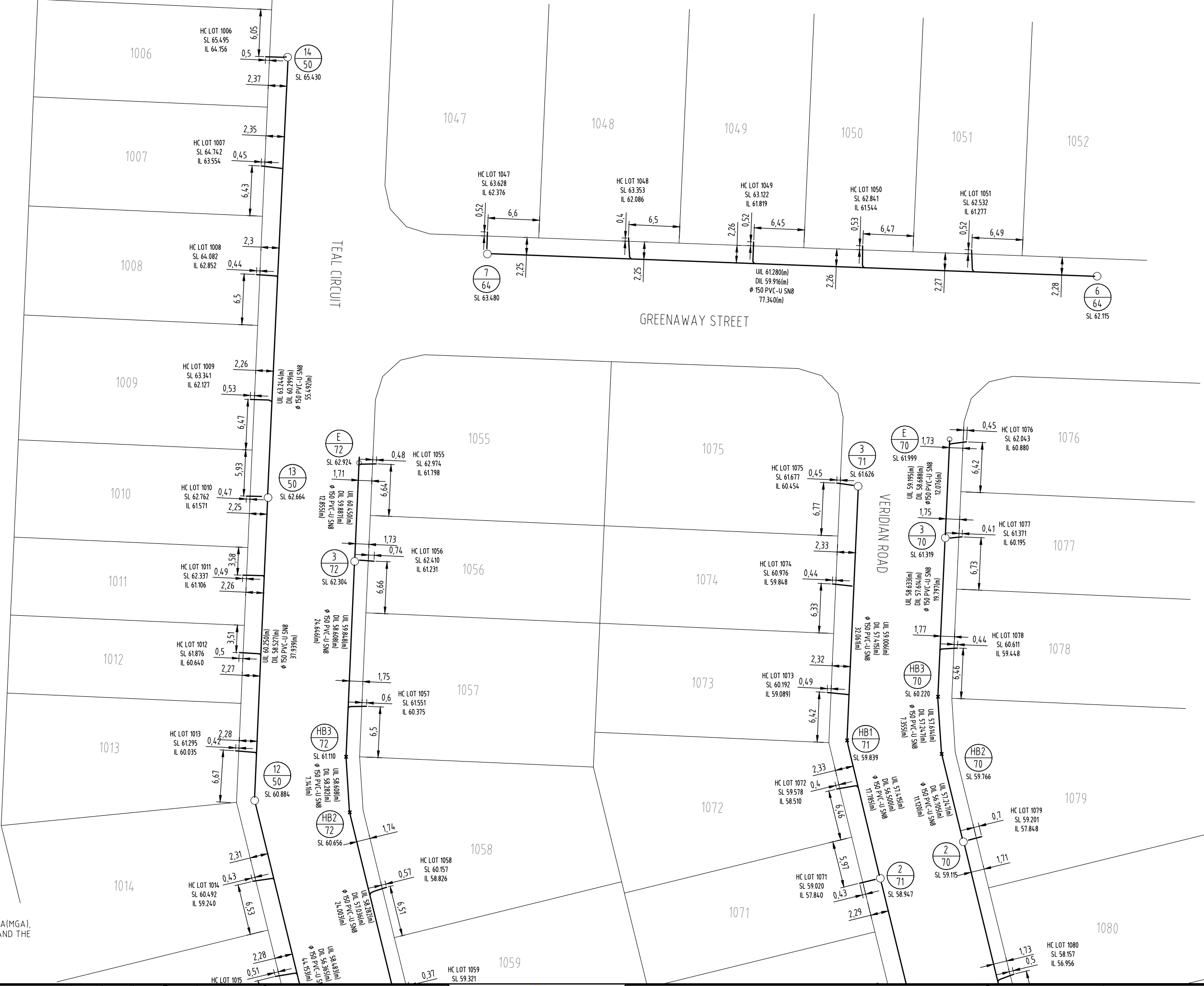
RPEQ (signature) RPEQ No. \_\_\_\_\_ Date: \_\_\_\_\_

**REGISTERED SURVEYOR'S CERTIFICATION**

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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	
	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 - SEWER  
 EVERLEIGH PRECINCT 14  
 GREENBANK QLD

SHEET 2 OF 4 SHEETS	SCALE 1:250 A1
REVISION DATE 24/06/2020	REVISION A
DISCIPLINE CODE -	
DRAWING NO. ASC-SEWER-02-14	

MAINTENANCE HOLE / SHAFT NO.	5/50	HB6/50	6/50	7/50	HB7/50	8/50	9/50	10/50	HB8/50	11/50	12/50	13/50	14/50
MH / MS COVER TYPE	B	HB	B	B	HB	B	B	B	HB	B	B	B	B
MH / MS TYPE	A	HB	A	A	HB	A	A	A	HB	A	A	A	A
MH DROP TYPE	V		V	V	X	V	V	V	V	V	V	V	V
LINE NO.			70	71				72					
PROPERTY CONNECTION DEPTH		1.095	1.350	1.095		1.095	1.095	1.095	1.095	1.095	1.095	1.095	1.095
PROPERTY CONNECTION INVERT LEVEL		<del>54.142</del> 54.142	<del>54.718</del> 54.718	<del>54.629</del> 54.629	<del>54.639</del> 54.639	<del>55.306</del> 55.306	<del>55.742</del> 55.742	<del>55.639</del> 55.639	<del>56.095</del> 56.095	<del>56.379</del> 56.379	<del>56.581</del> 56.581	<del>56.895</del> 56.895	<del>57.200</del> 57.200
PROPERTY CONNECTION TYPE		D	DE	B		D	D	D	D	D	D	D	D
LOT NO.	1085	1066	1065		1064	1025	1024	1023	1022	1021	1020	1019	1018

MAINTENANCE HOLE / SHAFT NO.	2/57	3/57	HB1/57	HB2/57	4/57
MH / MS COVER TYPE	B	B	HB	HB	B
MH / MS TYPE	A	A	HB	HB	A
MH DROP TYPE	V	V			
LINE NO.					
PROPERTY CONNECTION DEPTH		1.095	1.096	1.095	
PROPERTY CONNECTION INVERT LEVEL		<del>54.095</del> 54.095	<del>54.261</del> 54.261	<del>54.440</del> 54.440	<del>54.633</del> 54.633
PROPERTY CONNECTION TYPE		D	D	D	D
LOT NO.	1164	1165	1166		1167

LEGEND - PROPOSED

FP DENOTES VERGE

MANHOLE TYPES	
A	CONCRETE MANHOLE 1.00
B	CONCRETE MANHOLE 1.20
C	CONCRETE MANHOLE 1.50
HB	HORIZONTAL BEND (3m HORIZ. RADIUS)

LID TYPES	
B	CLASS B NON TRAFFICABLE CONCRETE IN FILL
BD	CLASS B NON TRAFFICABLE BOLT DOWN
D	CLASS D TRAFFICABLE CONCRETE IN FILL

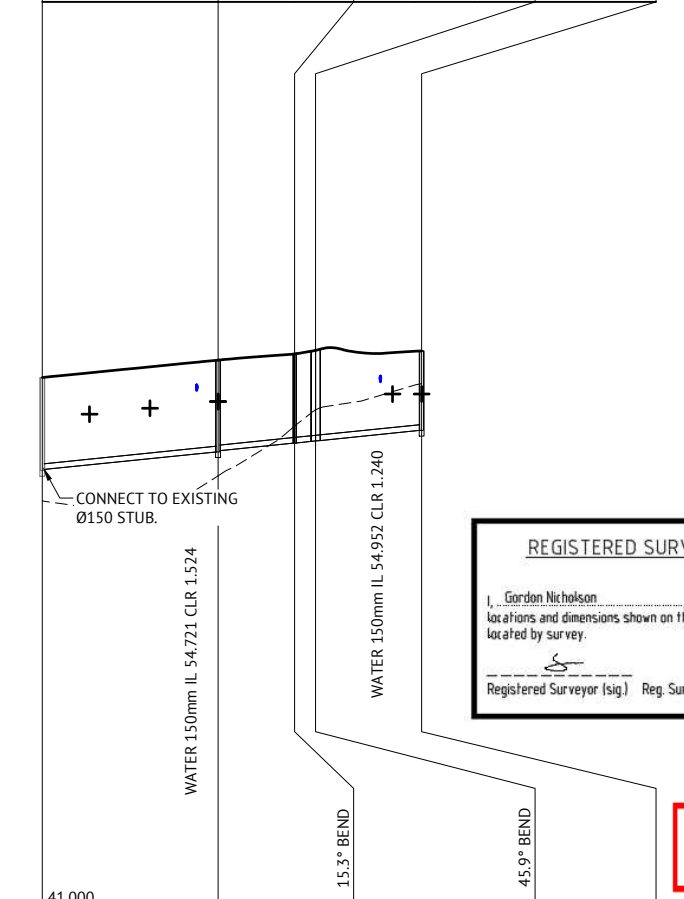
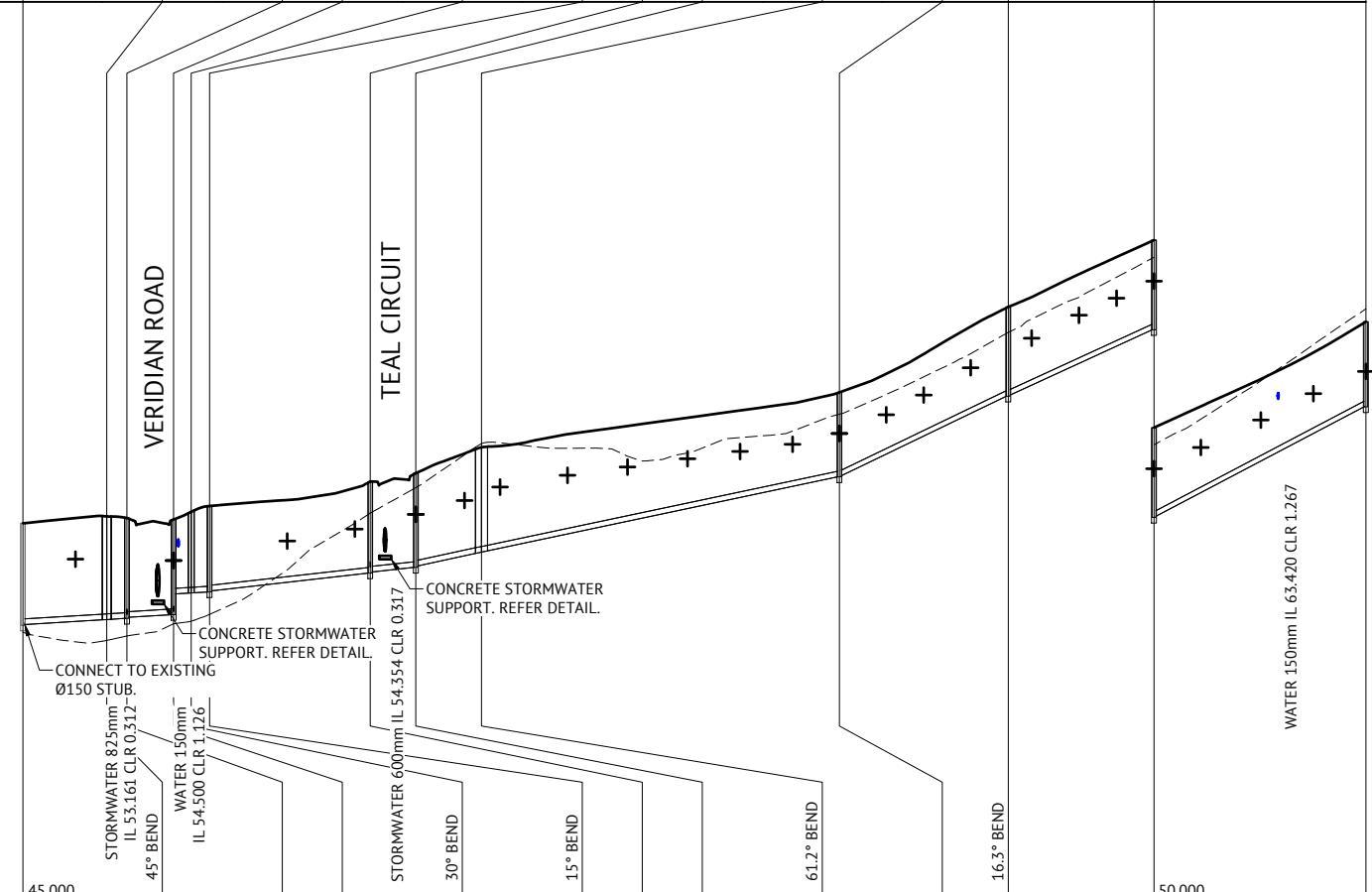
MAINTENANCE HOLE DROP TYPES	
V	FALL THROUGH MH
W	OBLIQUE 45° BACKDROP
X	INTERNAL DROP
Y	EXTERNAL DROP
VORT	INTERNAL VORTEX DROP

PROPERTY CONNECTION TYPES	
A	TYPE A - STD
B	TYPE B - SLOPE UP
D	TYPE D - VERTICAL

\* EMBEDMENT TYPE 3 WITH CRUSHED ROCK NOMINAL 5-7mm (SINGLE SIZED).

HORIZONTAL BEND NOTE:  
DEFLECTION ANGLES FOR IN LINE BENDS EXCEEDING 45° SHALL BE ACHIEVED BY THE R.R.J. CONNECTION OF TWO BENDS (MAXIMUM 45° INDIVIDUAL BEND DEFLECTION ANGLE).

PROPERTY CONNECTION NOTE:  
CONTRACTOR TO ENSURE MINIMUM CLEARANCE BETWEEN PROPOSED PROPERTY CONNECTION AND PROPOSED WATER MAIN IS ACHIEVED.



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

AS CONSTRUCTED

DATUM RL	45.000
PROPERTY DESCRIPTION	RR
PIPE SIZE (mm), CLASS	21.63 281.995 100.99 193.41 171.58 171.58 69.17 203.37 72.51 100.86 DN150 uPVC SN8 65.59 33.33 47.81 20.85 22.019 18.84
GRADE (1 IN X)	<del>169</del> <del>169</del> <del>169</del> <del>169</del> <del>180</del> <del>180</del> <del>180</del> <del>180</del> <del>180</del> <del>91</del> <del>180</del> <del>18</del> <del>18</del> <del>18</del> <del>21</del> <del>22</del> <del>19</del>
LENGTH	21.178 1.178 1.178 4.194 12.458 3.908 0.785 0.785 4.101 42.854 12.155 15.896 1.603 1.603 93.863 45.024 38.872 56.500
EMBEDMENT TYPE	TYPE 3
DEPTH OF INVERT BELOW FSL	2.718 2.698 2.749 2.739 2.674 2.644 2.538 1.987 2.129 2.162 2.196 2.290 2.260 2.408 2.510 2.470 2.776 2.792 2.778 2.253 2.223 2.380 2.350 2.392 2.362 2.688
INVERT LEVEL (IL)	<del>52.384</del> 52.384 <del>52.417</del> 52.417 <del>52.514</del> 52.514 <del>52.518</del> 52.518 <del>52.529</del> 52.529 <del>52.548</del> 52.548 <del>52.568</del> 52.568 <del>52.599</del> 52.599 <del>52.658</del> 52.658 <del>52.667</del> 52.667 <del>53.180</del> 53.180 <del>53.228</del> 53.228 <del>53.245</del> 53.245 <del>53.240</del> 53.240 <del>53.249</del> 53.249 <del>53.291</del> 53.291 <del>53.302</del> 53.302 <del>53.336</del> 53.336 <del>53.378</del> 53.378 <del>53.448</del> 53.448 <del>53.483</del> 53.483 <del>53.488</del> 53.488 <del>53.527</del> 53.527 <del>60.250</del> 60.250 <del>60.299</del> 60.299 <del>63.244</del> 63.244
FINISHED SURFACE LEVEL (FSL)	55.102 55.295 55.286 55.282 55.271 55.242 52.592 52.581 52.667 53.180 53.369 55.407 55.445 55.591 55.562 55.447 56.458 56.447 53.951 53.784 57.076 57.126 57.146 58.011 58.695 58.695 60.884 60.868 62.684 62.672 65.430 65.414
EXISTING SURFACE LEVEL (ESL)	52.195 51.960 51.981 52.006 52.100 52.151 52.423 52.475 52.491 52.516 52.673 55.375 56.054 57.131 57.223 57.262 58.011 60.193 62.194 58.011 52.466 55.751 55.784 55.816 55.761 55.784 55.814 55.705 65.818
CHAINAGE (CH)	0.000 TP 21.178 IP 22.356 TP 23.535 27.728 40.186 TP 44.094 IP 44.879 TP 45.665 49.766 92.620 104.775 TP 120.671 IP 122.274 TP 123.877 217.740 262.764 301.656 358.136

DATUM RL	41.000
PROPERTY DESCRIPTION	RR
PIPE SIZE (mm), CLASS	91.66 98.28 DN150 uPVC SN8 92.49 175.54 95.10 101.6
GRADE (1 IN X)	<del>100</del> <del>100</del> <del>100</del> <del>100</del> <del>100</del> <del>100</del> <del>100</del> <del>100</del>
LENGTH	46.500 19.870 0.401 0.401 3.942 1.203 1.203 26.839
EMBEDMENT TYPE	TYPE 3
DEPTH OF INVERT BELOW FSL	2.462 2.432 2.476 2.396 2.357 2.357 2.358 2.396 2.414 2.101
INVERT LEVEL (IL)	<del>52.605</del> 52.605 <del>52.575</del> 52.575 <del>53.075</del> 53.075 <del>53.100</del> 53.100 <del>53.121</del> 53.121 <del>53.318</del> 53.318 <del>53.326</del> 53.326 <del>53.328</del> 53.328 <del>53.369</del> 53.369 <del>53.376</del> 53.376 <del>53.376</del> 53.376 <del>53.382</del> 53.382 <del>53.400</del> 53.400 <del>53.648</del> 53.648
FINISHED SURFACE LEVEL (FSL)	55.110 55.529 53.318 55.689 55.695 55.761 55.784 55.814 55.705 65.818
EXISTING SURFACE LEVEL (ESL)	51.806 52.466 55.751 55.784 55.816 54.126 54.209 54.264 54.904
CHAINAGE (CH)	0.000 46.500 TP 66.370 IP 66.771 TP 67.171 TP 71.114 IP 72.317 TP 73.519 100.358

LINE 50

LINE 57

<p><b>FOR CONSTRUCTION</b></p> <p>24/06/20 19/12/19 25/07/18 02/07/18</p> <p>DATE REV DESCRIPTION REVISIONS</p>		<p><b>BRISBANE OFFICE</b></p> <p>LEVEL 1, 100 BRUNSWICK STREET PO BOX 361 FORTITUDE VALLEY, QLD 4006 PH: (07) 3253 2222 WEB: www.premise.com.au</p> <p><b>Premise</b></p>		<p>DESIGNED MICHAEL MAJZNER RPEQ DATE 19/12/19</p> <p>CHECKED MICHAEL MAJZNER RPEQ 15/187</p> <p>PROJECT MANAGER JOSHUA STONE</p> <p>PROJECT DIRECTOR JOSHUA STONE DATE 19/12/19</p> <p>SCALE HORIZONTAL 1:1000 (A1) VERTICAL 1:100 (A1)</p>		<p>CLIENT <b>MIRVAC</b></p> <p>PROJECT <b>EVERLEIGH PRECINCT 1.4 SUBDIVISION DEVELOPMENT</b></p> <p>LOCATION <b>TEVIOT ROAD, GREENBANK</b></p> <p>SHEET TITLE <b>SEWERAGE RETICULATION LONG SECTIONS - SHEET 1 OF 3</b></p>		<p>JOB CODE <b>MIR001-04</b></p> <p>SHEET NUMBER <b>C503</b> REV <b>DC</b></p>	
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MAINTENANCE HOLE / SHAFT NO.	6/64	7/64
MH / MS COVER TYPE	B	B
MH / MS TYPE	A	A
MH DROP TYPE	V	
LINE NO.		
PROPERTY CONNECTION DEPTH		
PROPERTY CONNECTION INVERT LEVEL	61.277 <del>61.277</del>	61.544 <del>61.544</del> 61.819 <del>61.819</del> 62.086 <del>62.086</del> 62.376 <del>62.376</del>
PROPERTY CONNECTION TYPE	1051 B	1050 B 1049 B 1048 B 1047 B
LOT NO.		

**LEGEND - PROPOSED**

FP DENOTES VERGE

MANHOLE TYPES	
A	CONCRETE MANHOLE 1.00
B	CONCRETE MANHOLE 1.20
C	CONCRETE MANHOLE 1.50
HB	HORIZONTAL BEND (3m HORIZ. RADIUS)

LID TYPES	
B	CLASS B NON TRAFFICABLE CONCRETE IN FILL
BD	CLASS B NON TRAFFICABLE BOLT DOWN
D	CLASS D TRAFFICABLE CONCRETE IN FILL

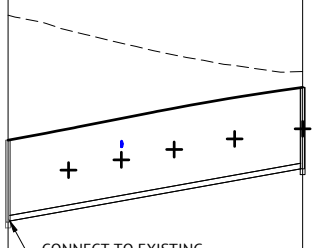
MAINTENANCE HOLE DROP TYPES	
V	FALL THROUGH MH
W	OBLIQUE 45° BACKDROP
X	INTERNAL DROP
Y	EXTERNAL DROP
VORT	INTERNAL VORTEX DROP

PROPERTY CONNECTION TYPES	
A	TYPE A - STD
B	TYPE B - SLOPE UP
D	TYPE D - VERTICAL

\* EMBEDMENT TYPE 3 WITH CRUSHED ROCK NOMINAL 5-7mm (SINGLE SIZED).

**HORIZONTAL BEND NOTE:**  
DEFLECTION ANGLES FOR IN LINE BENDS EXCEEDING 45° SHALL BE ACHIEVED BY THE R.R.J. CONNECTION OF TWO BENDS (MAXIMUM 45° INDIVIDUAL BEND DEFLECTION ANGLE).

**PROPERTY CONNECTION NOTE:**  
CONTRACTOR TO ENSURE MINIMUM CLEARANCE BETWEEN PROPOSED PROPERTY CONNECTION AND PROPOSED WATER MAIN IS ACHIEVED.

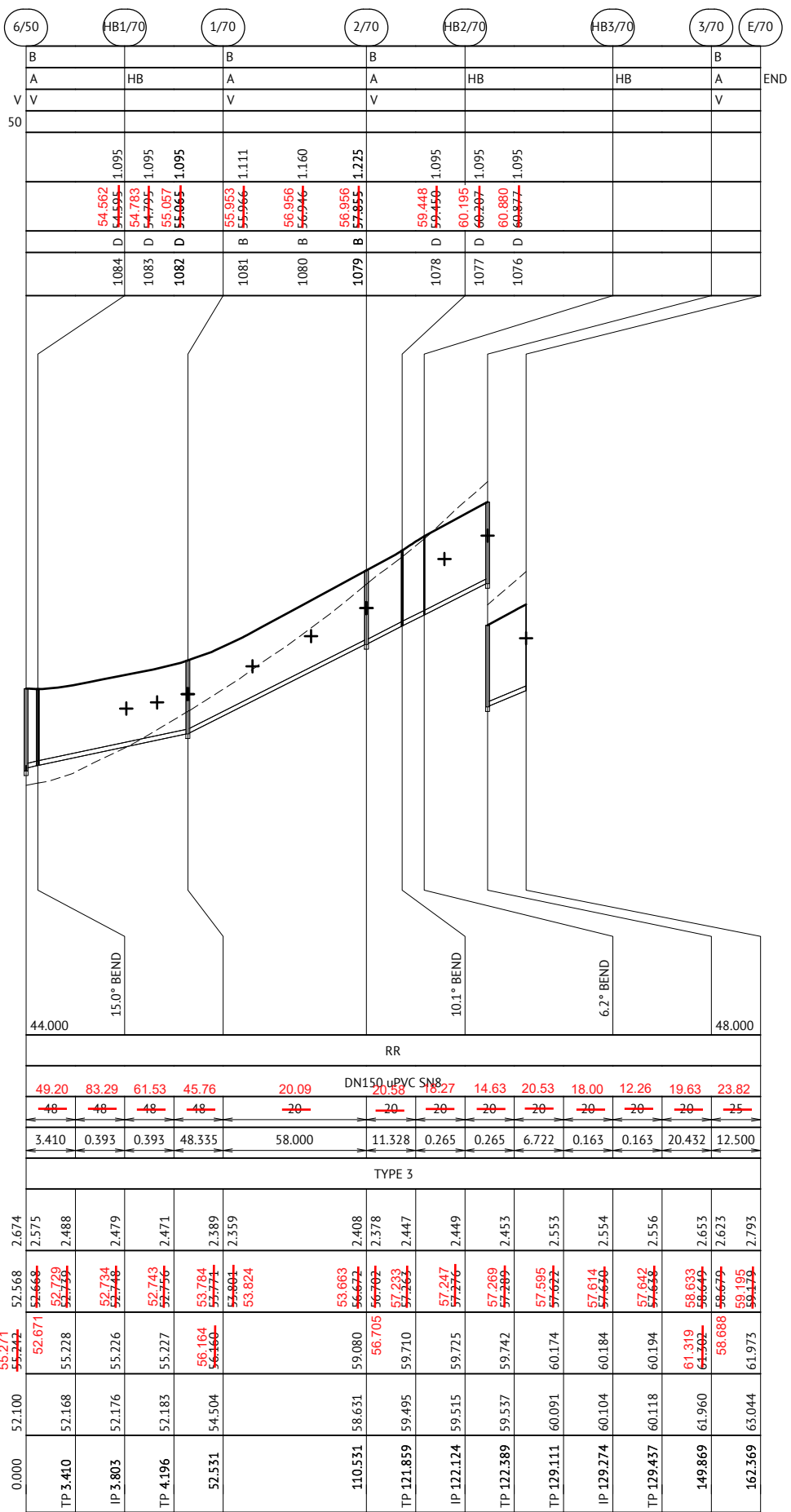


CONNECT TO EXISTING Ø150 STUB.

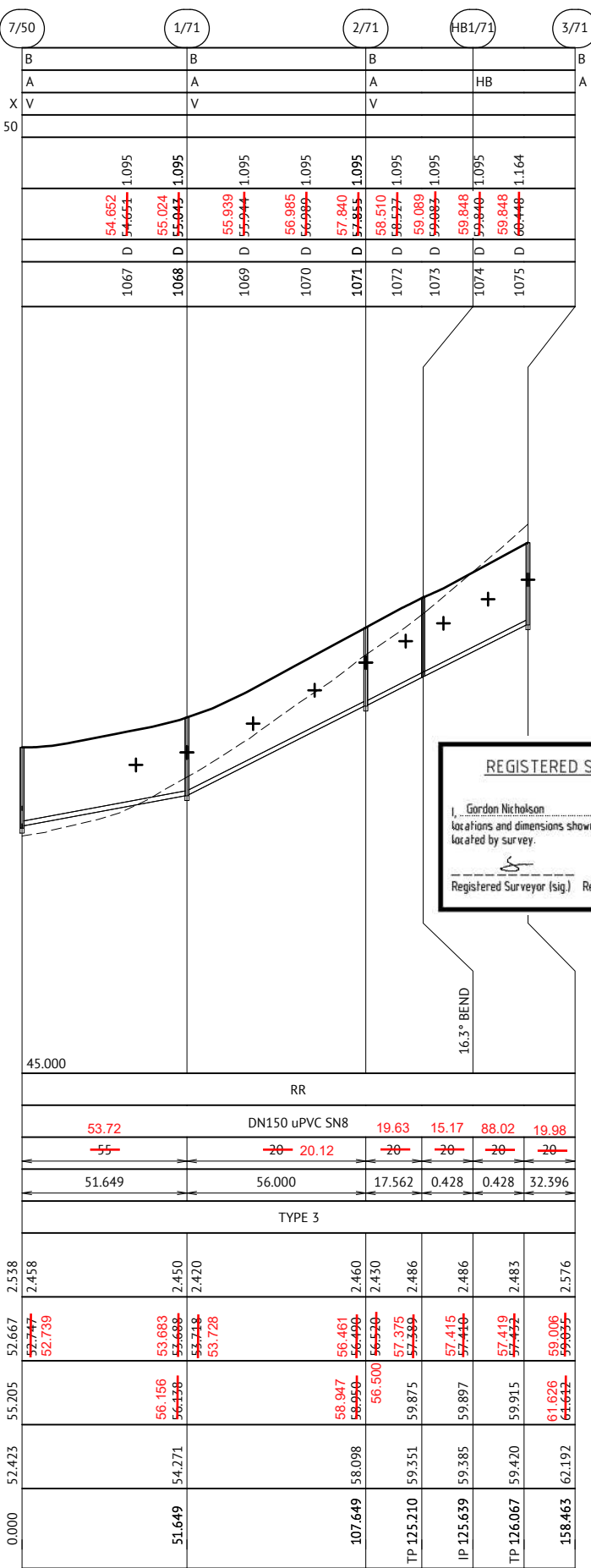
WATER 150mm IL 61.894 CLR 1.286

DATUM RL	50.000
PROPERTY DESCRIPTION	RR
PIPE SIZE (mm), CLASS	DN150 uPVC SN8
GRADE (1 IN X)	-57 - 56.70
LENGTH	78.019
EMBEDMENT TYPE	TYPE 3
DEPTH OF INVERT BELOW FSL	59.896 2.172 <del>59.916</del> 2.141 61.280 2.157 <del>61.407</del>
INVERT LEVEL (IL)	59.896 <del>59.916</del> 59.916 <del>61.280</del> 61.280 <del>61.407</del>
FINISHED SURFACE LEVEL (FSL)	62.115 <del>63.480</del> <del>62.464</del> 63.480 <del>62.464</del>
EXISTING SURFACE LEVEL (ESL)	65.377 <del>63.884</del> 63.884
CHAINAGE (CH)	0.000 <del>78.019</del> 78.019

LINE 64



70



71

**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

**AS CONSTRUCTED**

**FOR CONSTRUCTION**

24/06/20 E AS CONSTRUCTED  
19/12/19 D ADDED PROPERTY CONNECTION NOTE  
31/07/18 C MINOR SHIFT TO HOUSE CONNECTION  
25/07/18 B NOTE ADDED AND UPDATE TO SOME HORIZONTAL BENDS DEFLECTION ANGLES FOR CLARITY  
02/07/18 A ORIGINAL ISSUE

DATE REV DESCRIPTION REVISIONS

LB JS KH KH RPEQ

**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 MAJZNER RPEQ DATE 19/12/19  
CHECKED MICHAEL MAJZNER  
PROJECT MANAGER JOSHUA STONE  
PROJECT DIRECTOR JOSHUA STONE DATE 19/12/19

JOSHUA STONE RPEQ 15187  
SCALE HORIZONTAL 1:1000 (A1)  
VERTICAL 1:100 (A1)

CLIENT **MIRVAC**  
PROJECT **EVERLEIGH PRECINCT 1.4 SUBDIVISION DEVELOPMENT**  
LOCATION **TEVIOT ROAD, GREENBANK**  
SHEET TITLE **SEWERAGE RETICULATION LONG SECTIONS - SHEET 2 OF 3**

JOB CODE **MIR001-04**  
SHEET NUMBER **C504** REV **ED**

MAINTENANCE HOLE / SHAFT NO.	9/50	HB1/72	1/72	2/72	HB2/72	HB3/72	3/72	E/72	
MH / MS COVER TYPE	B		B	B				B	END
MH / MS TYPE	A	HB	A	A	HB	HB		A	
MH DROP TYPE	V	V	V	V				V	
LINE NO.	50								
PROPERTY CONNECTION DEPTH			1.094	1.095	1.095	1.094			
PROPERTY CONNECTION INVERT LEVEL			56.641	56.837	57.135	57.527	58.203	58.826	60.375
PROPERTY CONNECTION TYPE			1065 D	1062 D	1061 B	1060 B	1059 B	1058 B	1057 D
LOT NO.									

**LEGEND - PROPOSED**

FP DENOTES VERGE

MANHOLE TYPES	
A	CONCRETE MANHOLE 1.0Ø
B	CONCRETE MANHOLE 1.2Ø
C	CONCRETE MANHOLE 1.5Ø
HB	HORIZONTAL BEND (3m HORIZ. RADIUS)

LID TYPES	
B	CLASS B NON TRAFFICABLE CONCRETE IN FILL
BD	CLASS B NON TRAFFICABLE BOLT DOWN
D	CLASS D TRAFFICABLE CONCRETE IN FILL

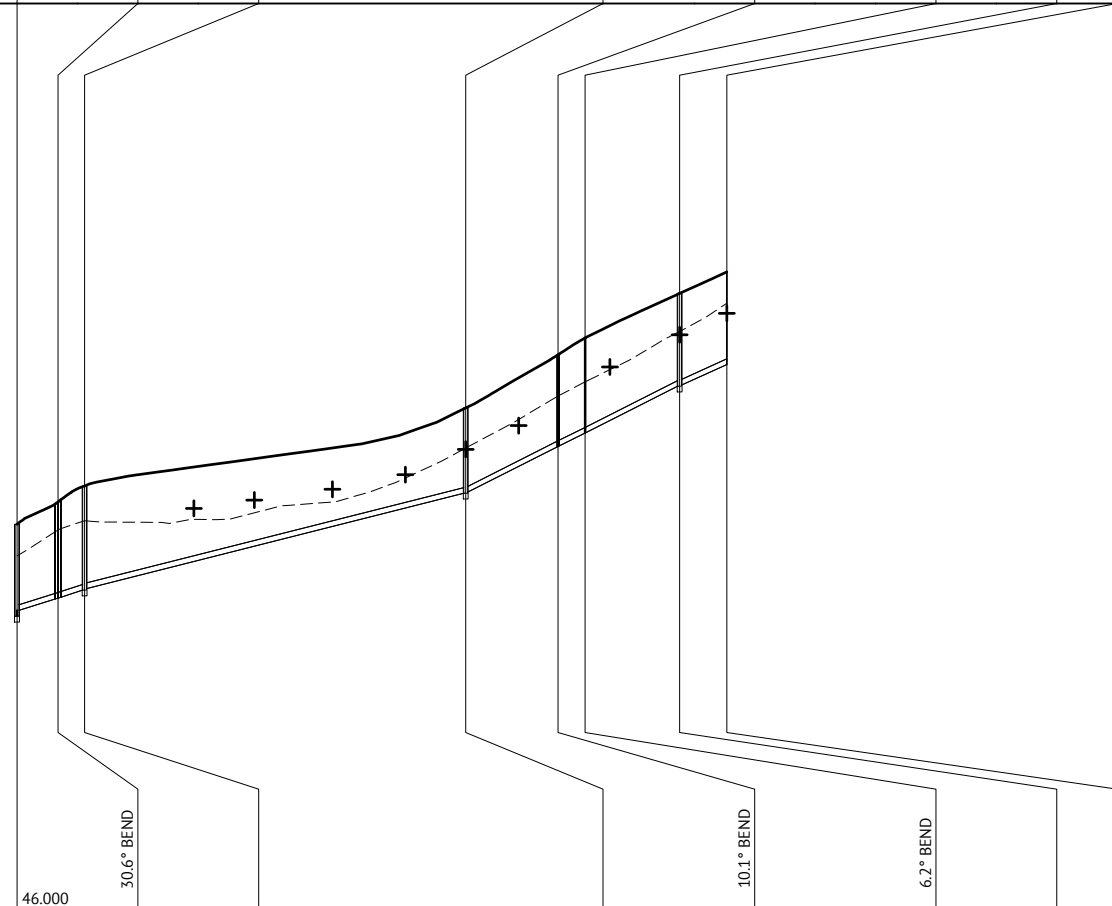
MAINTENANCE HOLE DROP TYPES	
V	FALL THROUGH MH
W	OBLIQUE 45° BACKDROP
X	INTERNAL DROP
Y	EXTERNAL DROP
VORT	INTERNAL VORTEX DROP

PROPERTY CONNECTION TYPES	
A	TYPE A - STD
B	TYPE B - SLOPE UP
D	TYPE D - VERTICAL

\* EMBEDMENT TYPE 3 WITH CRUSHED ROCK NOMINAL 5-7mm (SINGLE SIZED).

HORIZONTAL BEND NOTE:  
DEFLECTION ANGLES FOR IN LINE BENDS EXCEEDING 45° SHALL BE ACHIEVED BY THE R.R.J. CONNECTION OF TWO BENDS (MAXIMUM 45° INDIVIDUAL BEND DEFLECTION ANGLE).

PROPERTY CONNECTION NOTE:  
CONTRACTOR TO ENSURE MINIMUM CLEARANCE BETWEEN PROPOSED PROPERTY CONNECTION AND PROPOSED WATER MAIN IS ACHIEVED.



DATUM RL	46.000																							
PROPERTY DESCRIPTION	RR																							
PIPE SIZE (mm), CLASS	31.26	25.85	32.25	30.43		40.17	DN150 uPVC SN8	19.24	21.30	20.06	22.77	9.34	16.09	19.88	22.83									
GRADE (1 IN X)	-33	-33	-33	-33		-40		-20	-20	-20	-20	-20	-20	-20	-20	-23								
LENGTH	10.044	0.802	0.802	6.249		100.939		24.174	0.265	0.265	6.722	0.163	0.163	24.899	12.500									
EMBEDMENT TYPE	TYPE 3																							
DEPTH OF INVERT BELOW FSL		2.438	2.281	2.514		2.545		2.582		2.754	2.714		2.259	2.229	2.423	2.426	2.429	2.516	2.516	2.518	2.457	2.427	2.450	
INVERT LEVEL (IL)		53.749	53.932	54.209		54.260		54.288		54.455	54.492		56.978	57.062	57.036	58.289	58.282	58.297	58.590	58.608	58.619	58.869	59.887	60.450
FINISHED SURFACE LEVEL (FSL)		56.185	56.212	56.747		56.802		56.863		57.218	57.227		59.252	59.294	60.682	60.698	60.715	61.134	61.143	61.152	61.152	62.304	59.887	62.892
EXISTING SURFACE LEVEL (ESL)		55.375	56.013	56.061		56.096		56.305		58.231	59.592		59.607	59.621	59.974	59.983	59.991	61.319	61.319	61.319	61.319	61.319	61.319	62.065
CHAINAGE (CH)	0.000	TP 10.044	IP 10.845	TP 11.647		17.896		118.835		TP 143.009	IP 143.274		TP 143.539	TP 150.261	IP 150.424	TP 150.586		175.486					187.986	

LINE 72

**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: 24/06/2020

FOR CONSTRUCTION			
24/06/20	E AS CONSTRUCTED		
19/12/19	D ADDED PROPERTY CONNECTION NOTE		
23/01/19	C AMENDED BEND RADIUS		
25/07/18	B NOTE ADDED AND UPDATE TO SOME HORIZONTAL BENDS DEFLECTION ANGLES FOR CLARITY		
02/07/18	A ORIGINAL ISSUE		
DATE	REV	DESCRIPTION	REVISIONS

**Premise**  
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DESIGNED: MICHAEL MAJZNER  
 CHECKED: MICHAEL MAJZNER  
 PROJECT MANAGER: JOSHUA STONE  
 PROJECT DIRECTOR: JOSHUA STONE  
 DATE: 19/12/19  
 RPEQ: JOSHUA STONE  
 SCALE: HORIZONTAL 1:1000 (A1)  
 VERTICAL 1:100 (A1)

CLIENT: MIRVAC  
 PROJECT: EVERLEIGH PRECINCT 1.4 SUBDIVISION DEVELOPMENT  
 LOCATION: TEVIOT ROAD, GREENBANK  
 SHEET TITLE: SEWERAGE RETICULATION LONG SECTIONS - SHEET 3 OF 3

JOB CODE	MIR001-04
SHEET NUMBER	C505
REV	ED