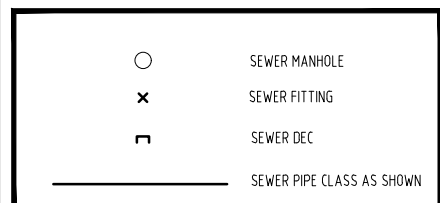


**COORDINATE DATUM NOTE:**  
 HORIZONTAL COORDINATES(E,N) SUPPLIED ARE MAPPING GRID OF AUSTRALIA(MGA), ZONE 56 BASED ON THE UNIVERSAL TRANSVERSE MERCATOR PROJECTION AND THE GEOCENTRIC DATUM OF AUSTRALIA 1994.  
 HORIZONTAL DATUM DERIVED FROM PSM 61308 E 4 98528.114 N 6931171.033.  
 LEVELS SUPPLIED ARE ON THE AUSTRALIAN HEIGHT DATUM(AHD)  
 LEVEL DATUM DERIVED FROM PSM 61308 RL54.660 (AHD)

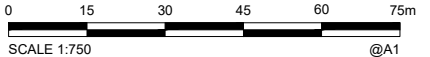


**REGISTERED SURVEYING ASSOCIATE CERTIFICATION**  
 I, Gordon Nicholson, hereby certify that the vertical and horizontal locations and dimensions shown on this plan are a true and correct record and were located by survey.  
 Registered Surveying Associate(sig.) Surveyor No. SA 3405 Date: 11/05/2023

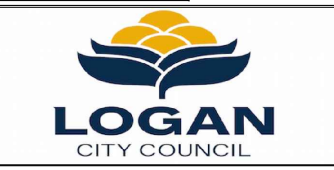


**ENGINEER'S CERTIFICATION**  
 I, \_\_\_\_\_, hereby certify that:  
 1. The information contained in this drawing / document is in compliance with approved drawings and design.  
 2. The new water and sewerage works defined by this drawing have been designed and constructed in accordance with the SEQ 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**



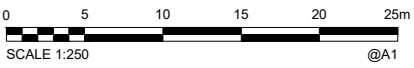
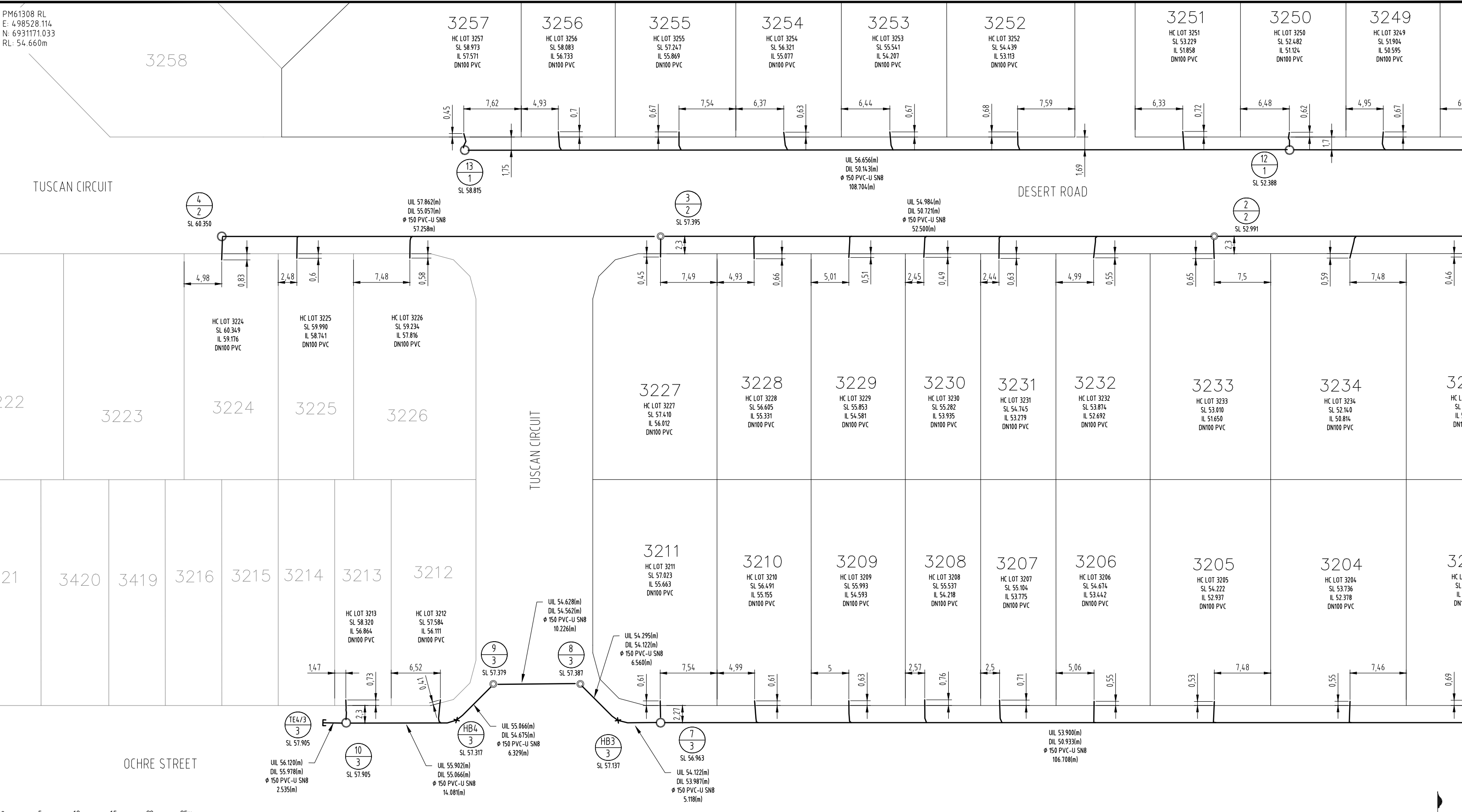
A1	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE
	A	11/05/2023	AS CONSTRUCTED	RDE	DAM	CW		11/05/2023



**LOGAN CITY COUNCIL**  
 MIRVAC MIR009-04  
 AS CONSTRUCTED SURVEY - SEWER  
 EVERLEIGH PRECINCT 9.4C  
 GREENBANK QLD

SHEET 1 OF 4 SHEETS	SCALE 1:750 A1
REVISION DATE 11/05/2023	REVISION A
DISCIPLINE CODE -	
DRAWING NO. ASC-SEWER-01-9.4C	

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

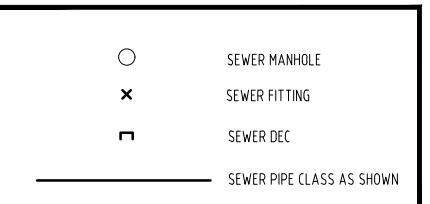


**AS CONSTRUCTED**

**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)

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 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 Surveying Associate(s)g. Surveyor No. SA 3405 Date: 11/05/2023

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



<b>A1</b>	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE
	A	11/05/2023	AS CONSTRUCTED	RDE	DAM	CW	PASSED	11/05/2023



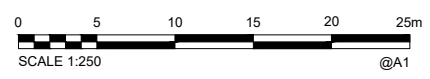
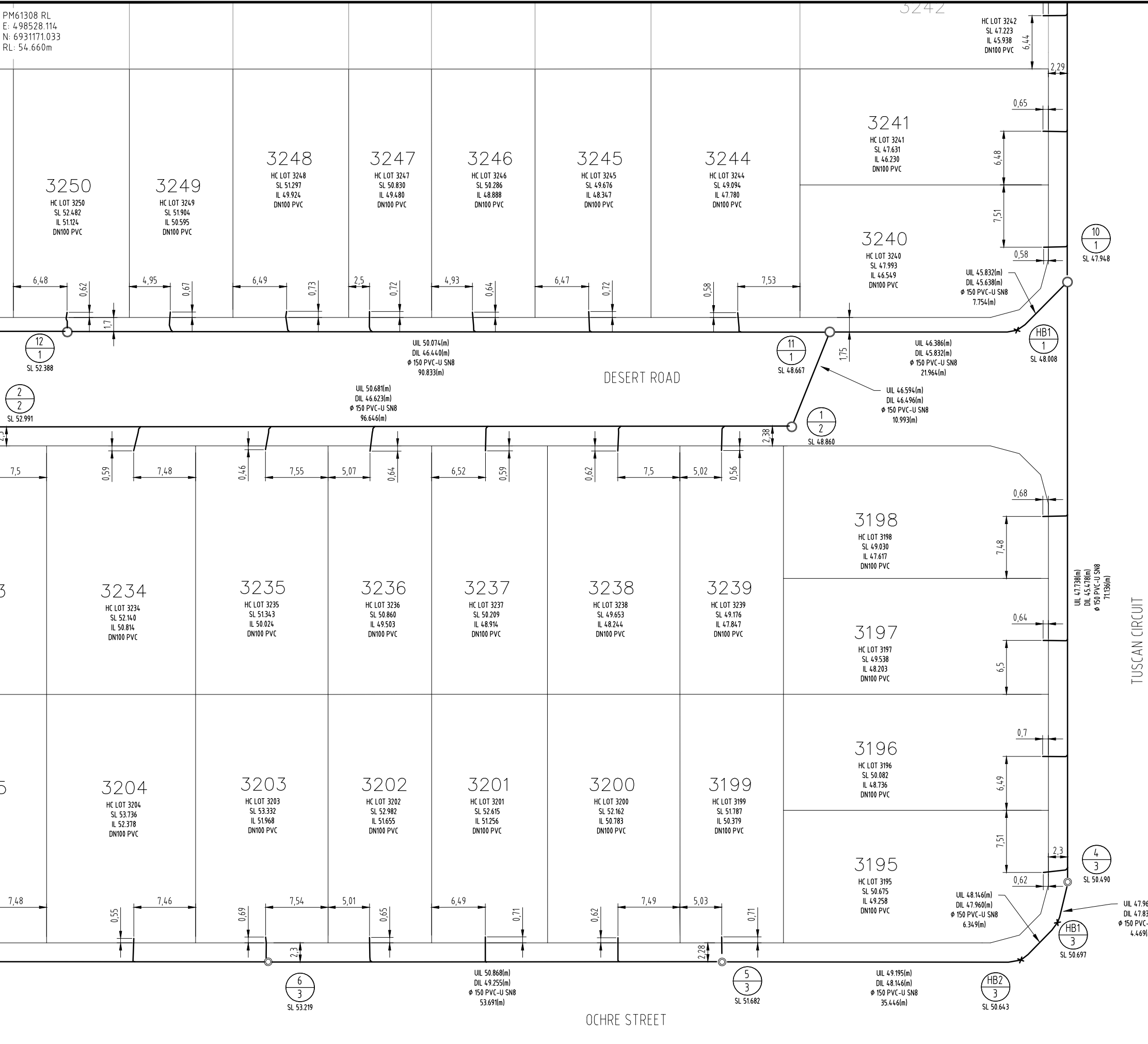
**LOGAN CITY COUNCIL**  
 MIRVAC MIR009-04  
 AS CONSTRUCTED SURVEY - SEWER  
 EVERLEIGH PRECINCT 9.4C  
 GREENBANK QLD

SHEET 2 OF 4 SHEETS	SCALE 1:250 A1
REVISION DATE 11/05/2023	REVISION A
DISCIPLINE CODE -	
DRAWING NO. ASC-SEWER-02-9.4C	

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

3242

HC LOT 3242  
 SL 47.223  
 IL 45.938  
 DN100 PVC



**AS CONSTRUCTED**

- SEWER MANHOLE
- × SEWER FITTING
- SEWER DEC
- SEWER PIPE CLASS AS SHOWN

**ENGINEER'S CERTIFICATION**

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

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- 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 SURVEYING ASSOCIATE CERTIFICATION**

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Registered Surveying Associate (sig) Surveyor No. SA 3405 Date: 11/05/2023

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 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)

<b>A1</b>	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE
	A	11/05/2023	AS CONSTRUCTED	RDE	DAM	CW		

DRAWN	RDE	11/05/2023
CHECKED	DAM	11/05/2023
PASSED	CW	11/05/2023



**LOGAN CITY COUNCIL**

MIRVAC MIR009-04  
 AS CONSTRUCTED SURVEY - SEWER  
 EVERLEIGH PRECINCT 9.4C  
 GREENBANK QLD

SHEET 3 OF 4 SHEETS	SCALE 1:250 A1
REVISION DATE 11/05/2023	REVISION <b>A</b>
DISCIPLINE CODE	
DRAWING NO.	
<b>ASC-SEWER-03-9.4C</b>	









MAINTENANCE HOLE / SHAFT NO.	1/3	2/3	3/3	TE1/3	4/3	HB1/3	HB2/3	5/3	TE2/3
MH / MS COVER TYPE	B	B	B	TE	B	HB	HB	B	TE
MH / MS TYPE	A	A	A	TE	A	HB	HB	A	TE
MH DROP TYPE		V	V		V			V	
LINE NO.		3	3		3			3	
PROPERTY CONNECTION DEPTH									
PROPERTY CONNECTION INVERT LEVEL							Fut 1 B 50.393 1.250		
PROPERTY CONNECTION TYPE									
LOT NO.									

**LEGEND**  
RR DENOTES ROAD RESERVE  
PP DENOTES PRIVATE PROPERTY

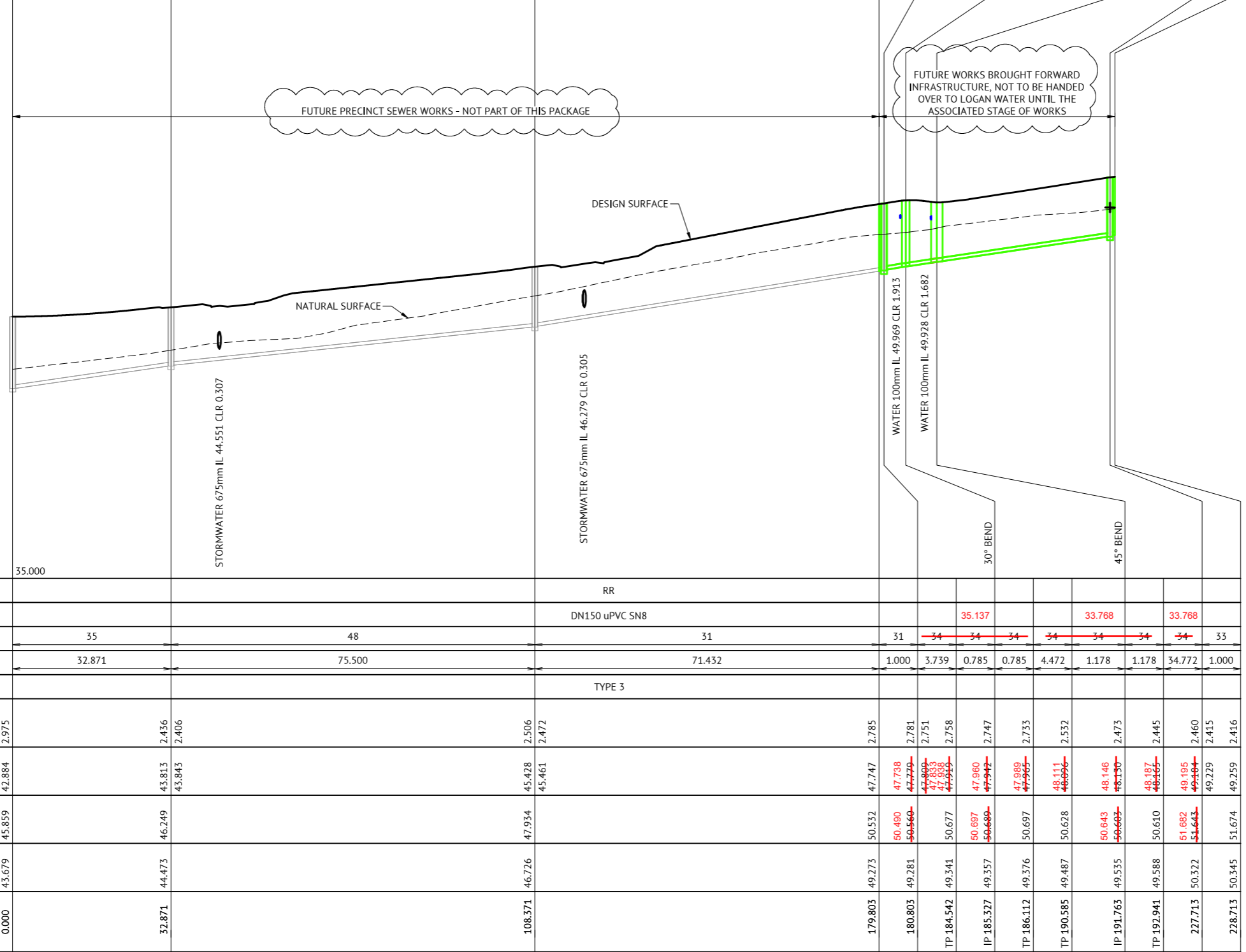
MANHOLE TYPES	
A	CONCRETE MANHOLE 1.0Ø
B	CONCRETE MANHOLE 1.2Ø
C	CONCRETE MANHOLE 1.5Ø
J	TYPE 'J' 1 MAINTENANCE SHAFT (DN300 SHAFT)
TE	TEMPORARY END
HB	HORIZONTAL BEND (3m HORIZ. RADIUS)

LID TYPES	
B	CLASS B NON TRAFFICABLE CAST IRON
BD	CLASS B NON TRAFFICABLE BOLT DOWN
D	CLASS D TRAFFICABLE CAST IRON

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

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

- NOTES:**  
1. EMBEDMENT TYPE 3 SHALL USE CRUSHED ROCK NOMINAL 5-7mm (SINGLE SIZED).  
2. DUCTILE IRON PIPES SHALL HAVE MIN. 1300 MICRON POLYURETHANE INTERNAL LINING.



**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.  
**MANHOLE COVER NOTE:**  
ALL MANHOLE COVERS IN VERGE WITHOUT FOOTPATH TO HAVE CONCRETE SURROUND.

DATUM RL	35.000															
PROPERTY DESCRIPTION	RR															
PIPE SIZE (mm), CLASS	DN150 uPVC SN8															
GRADE (1 IN X)	35	48	31	31	34	34	34	34	34	33						
LENGTH	32.871	75.500	71.432	1.000	3.739	0.785	0.785	4.472	1.178	1.178	34.772	1.000				
EMBEDMENT TYPE	TYPE 3															
DEPTH OF INVERT BELOW FSL	2.975	2.436	2.506	2.785	2.781	2.751	2.758	2.747	2.733	2.532	2.473	2.445	2.460	2.415	2.416	
INVERT LEVEL (IL)	42.884	43.813	43.843	45.428	45.461	47.738	47.738	47.960	47.989	48.111	48.146	48.187	48.185	49.195	49.229	49.259
FINISHED SURFACE LEVEL (FSL)	45.859	46.249	47.934	50.532	50.490	50.560	50.677	50.697	50.697	50.628	50.643	50.610	50.610	51.682	51.643	51.674
EXISTING SURFACE LEVEL (ESL)	43.679	44.473	46.726	49.273	49.281	49.341	49.357	49.376	49.487	49.535	49.588	50.322	50.345	50.345	50.345	50.345
CHAINAGE (CH)	0.000	32.871	108.371	179.803	180.803	TP 184.542	IP 185.327	TP 186.112	TP 190.585	IP 191.763	TP 192.941	227.713	228.713			

LINE 3

FOR CONSTRUCTION				
13/01/2022	E	ISSUED FOR CONSTRUCTION	KK	PB
26/10/2021	D	AMENDED NOTES TO MATCH LAYOUT NOTES	KK	PB
22/10/2021	C	AMENDED SEWER LAYOUT AS PER RFI DATED 22/10/2021	KK	PB
14/10/2021	B	AMENDED LONG SECTION AS PER RFI DATED 13/10/2021, AMENDED SEWER COLOURS	KK	
29/09/2021	A	APPROVAL ISSUE - NOT FOR CONSTRUCTION	KK	
20/09/2021	I	PRELIMINARY - NOT FOR CONSTRUCTION	VKH	
DATE	REV	DESCRIPTION	REC	APP

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

DESIGNED  
**K KIWANG**  
CHECKED  
**R BARGER**  
PROJECT MANAGER  
**S STEINHOFER**  
PROJECT DIRECTOR  
**PATRICK BRADY**

SCALE  
HORIZONTAL 1:500 (A1)  
VERTICAL 1:100 (A1)  
ORIGINAL SHEET SIZE A1

CLIENT  
**MIRVAC QLD PTY LTD**  
PROJECT  
**EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT**  
LOCATION  
**TEVIOT ROAD, GREENBANK**  
SHEET TITLE  
**SEWERAGE LONG SECTIONS - SHEET 1 OF 7**

JOB CODE  
**MIR009-03**  
SHEET NUMBER  
**C520**  
REV  
**E**



MAINTENANCE HOLE / SHAFT NO.

MH / MS COVER TYPE	B	B	B	B	B	B	B	B	B
MH / MS TYPE	J	J	J	J	J	J	J	J	J
MH DROP TYPE	V	V	V	V	V	V	V	V	V
LINE NO.	5	5	5	5	5	5	5	5	5
PROPERTY CONNECTION DEPTH	1.250	1.250	1.250	1.250	1.250	1.250	1.250	1.250	1.250
PROPERTY CONNECTION INVERT LEVEL	50.668	51.161	51.713	52.251	52.827	53.509	54.214	55.112	55.913
PROPERTY CONNECTION TYPE	B	B	B	B	B	B	B	B	B
LOT NO.	3325	3326	3327	3328	3329	3330	3331	3332	3333

MH / MS COVER TYPE	TE	LRB	A	J	J	J	J	J	J
MH / MS TYPE			V	V	V	V	V	V	V
MH DROP TYPE			8	7	7	7	7	7	7
LINE NO.									
PROPERTY CONNECTION DEPTH		1.250	1.250	1.250	1.250	1.250	1.251	1.250	1.250
PROPERTY CONNECTION INVERT LEVEL		46.357	46.940	47.797	48.594	49.397	50.390	51.297	52.073
PROPERTY CONNECTION TYPE		B	B	B	B	B	B	B	B
LOT NO.		3280	3281	3282	3283	3284	3285	3286	3287

**LEGEND**  
 RR DENOTES ROAD RESERVE  
 PP DENOTES PRIVATE PROPERTY

**MANHOLE TYPES**

A	CONCRETE MANHOLE 1.0Ø
B	CONCRETE MANHOLE 1.2Ø
C	CONCRETE MANHOLE 1.5Ø
J	TYPE 'J' 1 MAINTENANCE SHAFT (DN300 SHAFT)
TE	TEMPORARY END
LRB	HORIZONTAL BEND (3m HORIZ. RADIUS)

**LID TYPES**

B	CLASS B NON TRAFFICABLE CAST IRON
BD	CLASS B NON TRAFFICABLE BOLT DOWN
D	CLASS D TRAFFICABLE CAST IRON

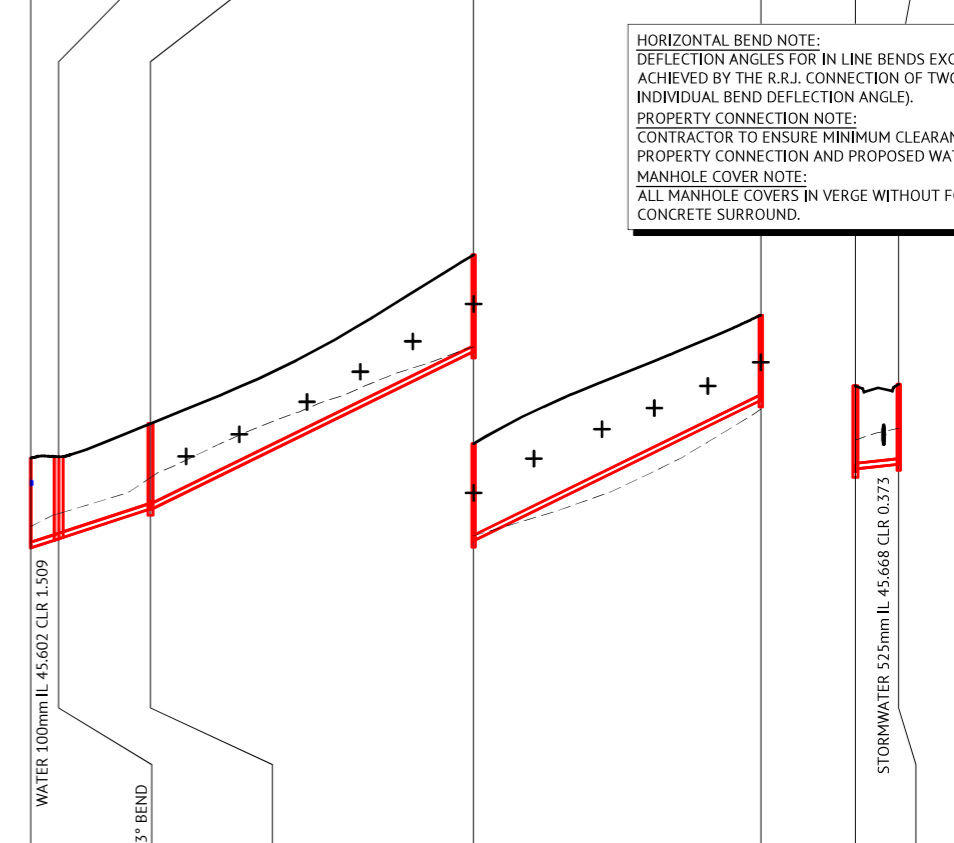
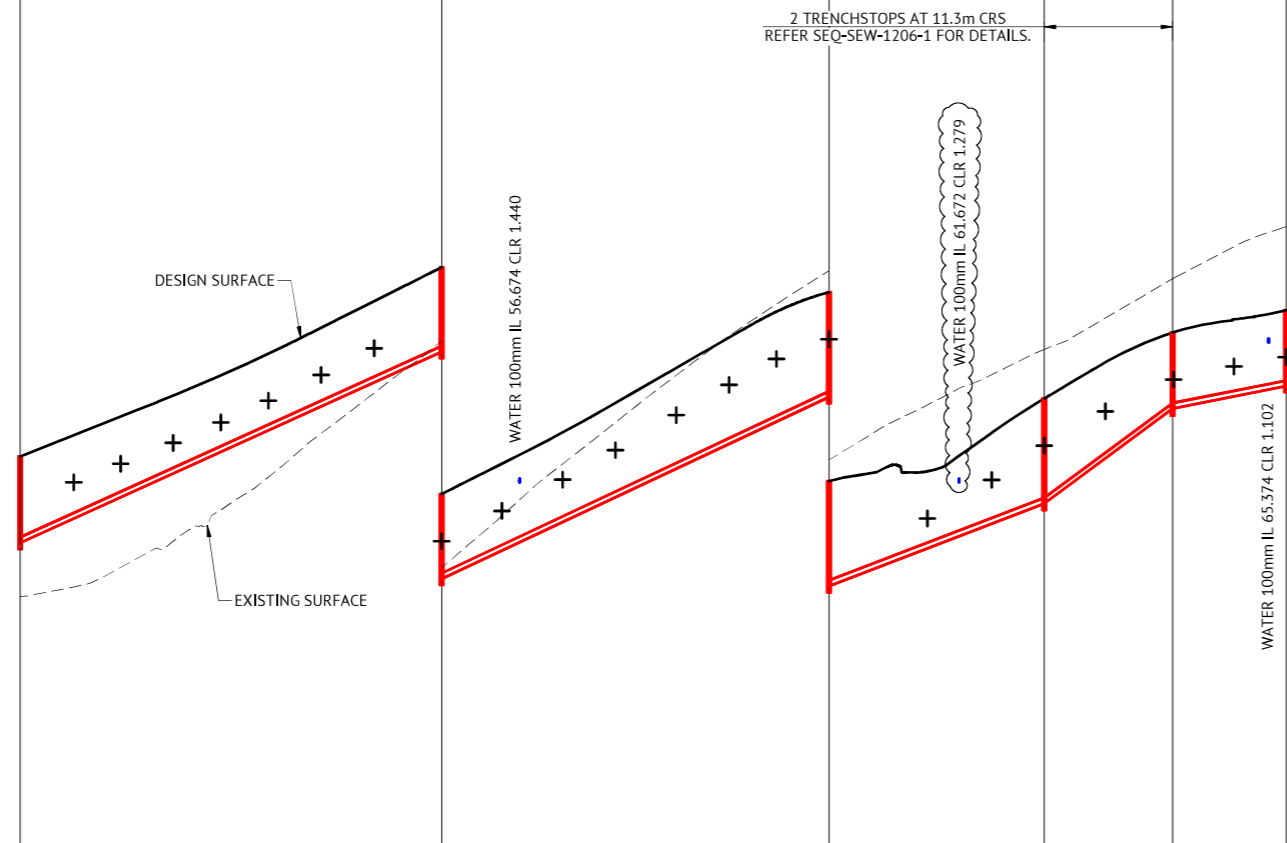
**MAINTENANCE STRUCTURE DROP TYPES**

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

**PROPERTY CONNECTION TYPES**

A	TYPE A - STD
B	TYPE B - SLOPE UP
D	TYPE D - VERTICAL

**NOTES:**  
 1. EMBEDMENT TYPE 3 SHALL USE CRUSHED ROCK NOMINAL 5-7mm (SINGLE SIZED).  
 2. DUCTILE IRON PIPES SHALL HAVE MIN. 1300 MICRON POLYURETHANE INTERNAL LINING.



**HORIZONTAL BEND NOTE:**  
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**PROPERTY CONNECTION NOTE:**  
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**MANHOLE COVER NOTE:**  
 ALL MANHOLE COVERS IN VERGE WITHOUT FOOTPATH TO HAVE CONCRETE SURROUND.

DATUM RL	40.000	46.000	51.000		
PROPERTY DESCRIPTION		RR			
PIPE SIZE (mm), CLASS		DN150 uPVC SN8			
GRADE (1 IN X)	22	21	26	14	52
LENGTH	111.500	102.500	56.925	33.954	30.066
EMBEDMENT TYPE		TYPE 3			
DEPTH OF INVERT BELOW FSL	2.295 2.275	2.252 2.232	2.788 2.768	2.794 2.764	2.035 2.005
INVERT LEVEL (IL)	49.061 49.081	54.110 54.130	58.915 58.935	61.096 61.126	63.595 63.625
FINISHED SURFACE LEVEL (FSL)	51.356	56.362	61.703	63.890	65.651
EXISTING SURFACE LEVEL (ESL)	47.656	54.415	62.265	65.186	67.053
CHAINAGE (CH)	287.936	399.436	501.936	558.861	592.815

DATUM RL	35.000	40.000	34.000
PROPERTY DESCRIPTION		RR	RR
PIPE SIZE (mm), CLASS		DN150 uPVC SN8	DN150 uPVC SN8
GRADE (1 IN X)	21	21	100
LENGTH	6.261	85.527	11.493
EMBEDMENT TYPE		TYPE 3	TYPE 3
DEPTH OF INVERT BELOW FSL	2.374	2.573	2.271
INVERT LEVEL (IL)	43.800 <del>43.035</del>	49.117 49.137	52.823
FINISHED SURFACE LEVEL (FSL)	46.309	51.690	55.094
EXISTING SURFACE LEVEL (ESL)	44.502	49.255	52.610
CHAINAGE (CH)	6.261	117.189	193.189

LINE 5

LINE 7

**FOR CONSTRUCTION**

11/11/2022	B	AMENDED PROPERTY CONNECTION TYPES AND WATER CROSSING DETAILS	KK	PB
17/12/2021	A	ISSUED FOR APPROVAL	KK	PB
DATE	REV	DESCRIPTION	REC	APP

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

DESIGNED  
 KLYNT KIWANG  
 CHECKED  
 ROBERT BARGER  
 PROJECT MANAGER  
 LAURA CLIFFORD  
 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 9.5 SUBDIVISION DEVELOPMENT**  
 LOCATION  
**TEVIOT ROAD, GREENBANK**  
 SHEET TITLE  
**SEWERAGE LONG SECTIONS - SHEET 2**

JOB CODE  
**MIR-0905**  
 SHEET NUMBER  
**C521**  
 REV  
**B**