



AS CONSTRUCTED CERTIFICATION

I Joshua Stone hereby certify that:

1. The information contained in this drawing/document is generally in compliance with approved drawings and design.

2. To the best of my knowledge, this represents an accurate record of as constructed works and I accept the responsibility for the information contained in this drawing/document. Excluding Survey Error.

 15187 14/06/2019

RPEQ No. Date.....

RPEQ (Signature)

●	SEWER MANHOLE
○	SEWER FITTING
□	SEWER DEC
_____	SEWER Ø150 CLASS 8



DRAWING NO.
ASC-SEWER-01-1.3

						DRAWN	NJB	12/06/2019
A	12/06/2019	AS CONSTRUCTED				CHECKED	DB	12/06/2019
INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	PASSED	INITIALS	DATE

N



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 15187 14/06/2019

RPEQ No. Date.....

RPEQ (Signature)

	SEWER MANHOLE
	SEWER FITTING
	SEWER DEC
	SEWER Ø150 CLASS 8



SHEET 2 OF 5		SHEETS	SCALE 1:250 A1	
REVISION DATE	12/06/2019		REVISION	A
DISCIPLINE CODE		-		
DRAWING NO.				
ASC-SEWER-02-1.3				

						DRAWN	NJB	12/06/2019
A	12/06/2019	AS CONSTRUCTED				CHECKED	DB	12/06/2019
INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	PASSED	INITIALS	DATE

I, Michael Crilly, being an associate surveyor
registered with the Surveyors Board of QLD hereby:-
- certify the information contained in this drawing is an accurate "as
constructed" representation of the works.
Registered Surveyor No. SA 3581
MJ Crilly 12/06/2019
(signature) (date)

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A	12/06/2019	AS CONSTRUCTED				CHECKED	DB	12/06/2019	
INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	PASSED	INITIALS	DATE	

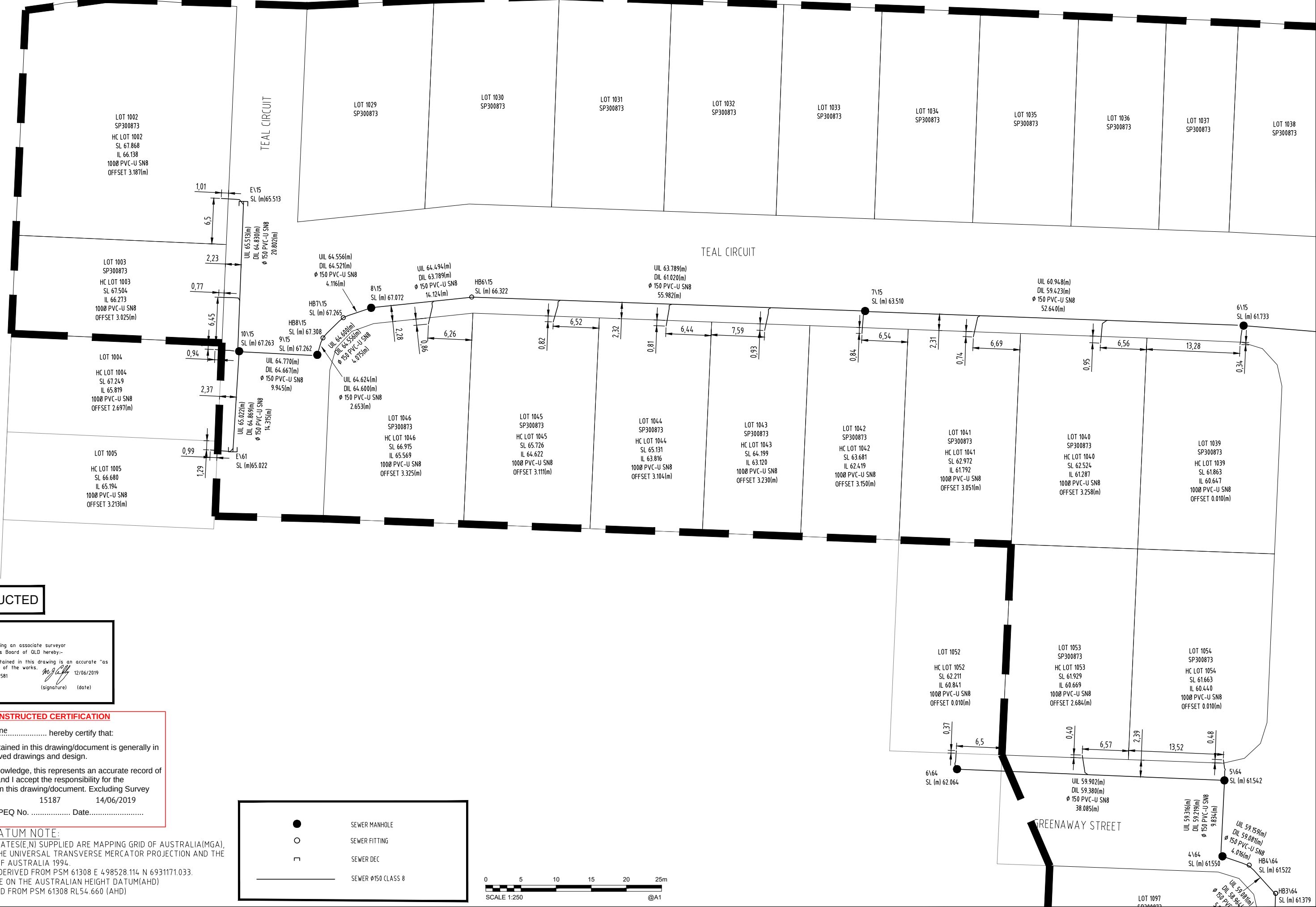
 **shadforth**
39 Shadwood Lane, Forest Glen QLD 4055
t: 07 5438 3300 e: 07 5438 3388 > info@shadforth.com.au

.\Desktop\LOGAN CITY COUNCIL LOGO.png

MIRVAC MIR001-02A
AS CONSTRUCTED SURVEY - SEWER
EVERLEIGH PRECINCT 1.3
GREENBANK OLD

SHEET 3 OF 5	SHEETS	SCALE	1:250 A1
REVISION DATE	12/06/2019	REVISION	A
DISCIPLINE CODE	-		
DRAWING NO.			
ASC-SEWER-03-1.3			

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



AS CONSTRUCTED

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Registered Surveyor No. SA 3581
12/06/2019
(signature) (date)

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15187 14/06/2019
RPEQ (Signature) RPEQ No. Date.

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)

●

○

└

—

SEWER MANHOLE
SEWER FITTING
SEWER DEC
SEWER Ø150 CLASS 8



\\Desktop\\LOGAN CITY COUNCIL LOGO.png

LOGAN CITY COUNCIL

MIRVAC MIR001-02A
AS CONSTRUCTED SURVEY - SEWER
EVERLEIGH PRECINCT 13
GREENBANK QLD

SHEET 5 OF 5 SHEETS	SCALE 1:250 A1
REVISION DATE 12/06/2019	REVISION A
DISCIPLINE CODE -	
DRAWING NO. ASC-SEWER-05-1.3	

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



PARK
803

KESSELS BLVD

LOT 1305
HC LOT 1305
SL 49.866
IL 48.612
1000 PVC-U SN8
OFFSET 2.880(m)

LOT 1306
HC LOT 1306
SL 49.630
IL 48.404
1000 PVC-U SN8
OFFSET 2.702(m)

LOT 1307
HC LOT 1307
SL 49.570
IL 48.279
100Ø PVC-U SN8
OFFSET 2.946[m]

LOT 1308
HC LOT 1308
SL 49.479
IL 48.168
100Ø PVC-U SN8
OFFSET 3.061(m)

STREET

AS CONSTRUCTED

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registered with the Surveyors Board of QLD hereby:-
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constructed" representation of the works. *Michael Crilly* 07/06/2019
Registered Surveyor No. SA 3581
(signature) (date)

AS CONSTRUCTED CERTIFICATION

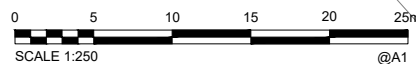
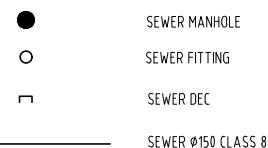
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HORIZONTAL DATUM DERIVED FROM PSM 61308 E 4 98528.114 N 6931171.033.
LEVELS SUPPLIED ARE ON THE AUSTRALIAN HEIGHT DATUM(AHD)
LEVEL DATUM DERIVED FROM PSM 61308 RL54.660 (AHD)



 **shadforth**
30 Sandelwood Lane, Kenton GL9 4NS
t: 07 5488 3300 ▶ e: 07 5488 3308 ▶ e: info@shadforth.com



LOGAN CITY COUNCIL

MIRVAC MIR001-02A
AS CONSTRUCTED SURVEY - SEWER
EVERLEIGH PRECINCT 1.2A
GREENBANK QLD

SHEET 3 OF 3 SHEETS		SCALE 1:250 A1
REVISION DATE	07/06/2019	REVISION A
DISCIPLINE CODE	-	
DRAWING NO.		
ASC-SEWER-03-1.2A		

The logo of the National Bureau of Economic Research (NBER) is located at the bottom left of the page. It features a stylized flag on a pole with the letters "NBER" prominently displayed in the center.

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Registered Surveyor No. SA 3581

M Crilly 07/06/2019
(signature) (date)

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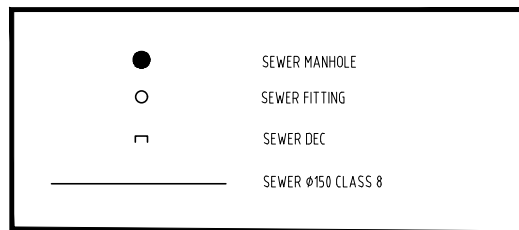
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LEVEL DATUM DERIVED FROM PSM 61308 RL54.660(AHD)



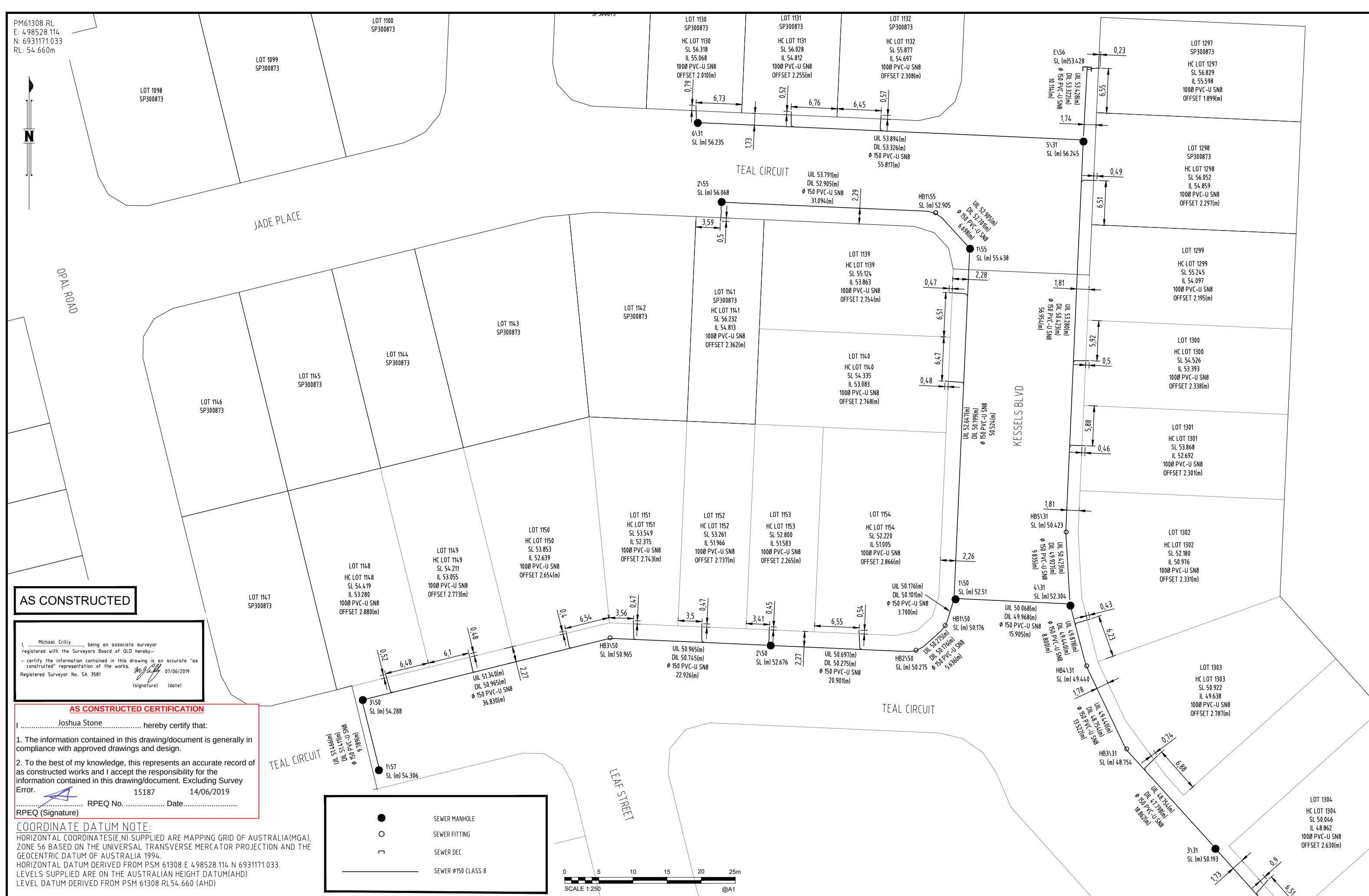
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30 Sandelwood Lane, Kenton GL9 4NS
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MIRVAC MIR001-02A
AS CONSTRUCTED SURVEY - SEWER
EVERLEIGH PRECINCT 1.2A
GREENBANK QLD

SHEET 1 OF 3 SHEETS		SCALE 1:1000 A1	
REVISION DATE	07/06/2019	REVISION	A
DISCIPLINE CODE	—		
DRAWING NO.			
ASC-SEWER-01-1.2A			

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



A1

									DRAWN	MW	07/06/2019
A	07/06/2019	AS CONSTRUCTED						CHECKED	DB	07/06/2019	
INDEX	DATE	REVISIONS		DRAWN	CHECKED	PASSED		PASSED	INITIALS	DATE	



LOGAN CITY COUNCIL

MIRVAC MIR001-02A
AS CONSTRUCTED SURVEY - SEWER
EVERLEIGH PRECINCT 1.2A
GREENBANK QLD

SHEET 2 OF 3	SHEETS	SCALE	1:250 A1
REVISION DATE	07/06/2019	REVISION	A
DISCIPLINE CODE	—		
DRAWING NO.			
ASC-SEWER-02-1.2A			

MAINTENANCE HOLE / SHAFT NO.	1/15	HB1/15	2/15	3/15	HB2/15	HB3/15	4/15	HB4/15	HB5/15	5/15	6/15	7/15	HB6/15	8/15	HB7/15	HB8/15	9/15	10/15	E/15
MH / MS COVER TYPE	B		B	B			B			B	B	B		B			B	B	
MH / MS TYPE	A	HB	A	A	HB	HB	A	HB	HB	A	A	A	HB	A	HB	HB	A	A	END
MH DROP TYPE	V		V	V			V			V	V	V		V			V	V	
LINE NO.			60															61	
PROPERTY CONNECTION DEPTH		57.900 1.350 57.965 1.266	58.279 1.095 58.431 1.101	58.931 1.096 58.945 1.151	59.560 1.096 59.607 1.169	60.640 1.095 60.647 1.216	61.287 1.237 61.204 1.095	61.792 1.180 61.766 1.094	62.409 1.095 62.419 1.262	63.088 1.095 63.120 1.079	63.802 1.095 63.816 1.315	64.618 1.095 64.622 1.104	65.591 1.095 65.569 1.346	66.845 1.368 66.819 1.430	67.294 1.095 67.273 1.231	68.569 1.095 68.138 1.730			
PROPERTY CONNECTION INVERT LEVEL		57.900	58.279	58.931	59.560	60.640	61.287	61.792	62.409	63.088	63.802	64.618	65.591	66.845	67.294	68.569			
PROPERTY CONNECTION TYPE		DE	B	D	D	D	D	D	B										
LOT NO.		1110	1109	1108	1107	1039	1040	1041	1042	1043	1044	1045	1046	1004	1003	1002			

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).

DATUM RL

PROPERTY DESCRIPTION

PIPE SIZE (mm), CLASS

GRADE (1 IN X)

LENGTH

EMBEDMENT TYPE

DEPTH OF INVERT BELOW FSL

INVERT LEVEL (IL)

FINISHED SURFACE LEVEL (FSL)

EXISTING SURFACE LEVEL (ESL)

CHAINAGE (CH)

AS CONSTRUCTED

15

31

15

31

15

31

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15187 19/06/2019
RPEQ (Signature) RPEQ No. Date.....

CONNECT TO EXISTING Ø150 STUB.

TEAL CIRCUIT

STORMWATER 375mm IL 55.331 CLR 0.796

49 RR 92

DN150 uPVC SN8

52 100

19.199 15.503

TYPE 3

2.366 2.346

55.892 55.917

56.851 56.886

56.812 56.822

57.154 57.164

57.440 57.450

57.467 57.477

57.484 57.494

57.501 57.511

57.518 57.528

57.535 57.545

57.552 57.562

57.569 57.579

57.586 57.596

57.603 57.613

57.620 57.630

57.637 57.647

57.654 57.664

57.671 57.681

57.688 57.698

57.705 57.715

57.722 57.732

57.739 57.749

57.756 57.766

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

DESIGNED MICHAEL MAJZNER
CHECKED MICHAEL MAJZNER
PROJECT MANAGER JOSHUA STONE
PROJECT DIRECTOR JOSHUA STONE
DATE 23/07/18

RPEQ KEITH HOWELLS
SCALE HORIZONTAL 1:1000 (A1)
VERTICAL 1:100 (A1)

CLIENT MIRVAC
PROJECT EVERLEIGH PRECINCT 1.3 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE SEWERAGE RETICULATION LONG SECTIONS - SHEET 1 OF 4

JOB CODE MIR001-03
SHEET NUMBER C503
REV BC

LEGEND - PROPOSED

FP DENOTES VERGE

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

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).

LINE 31

OPAL ROAD

CONNECT TO EXISTING Ø150 STUB.

CONCRETE STORMWATER SUPPORT. REFER DETAIL.

STUB FOR FUTURE CONNECTION @ 0.592%

STORMWATER 82.5mm IL 52.276 CLR 0.349

WATER 150mm IL 53.912 CLR 1.866

11.6° BEND

45° BEND

41.000

RR

79 79 DN150 uPVC SN8 74 66

77 77 77 77 67 67 67 67

13.270 0.305 0.305 20.052 3.791 1.178 1.178 30.956

TYPE 3

0.000	54.837	54.288	51.316	51.776	2.942
TP 13.270	54.289	54.444	51.519	51.381	2.925
IP 13.575	54.275	54.465	51.526	51.449	2.926
TP 13.880	54.262	54.454	51.527	51.440	2.927
33.932	53.628	54.492	51.779	51.786	2.688
TP 37.723	53.402	54.639	51.884	51.822	2.648
IP 38.901	53.334	54.693	51.882	51.802	2.754
TP 40.080	53.277	54.721	51.920	51.802	2.775
71.036	52.195	54.980	52.357	52.364	2.802
				52.404	2.718
					2.698

0.000	57.771	56.066 56.627	53.786	2.240
TP 18.387	58.424	56.564	54.184	2.379
IP 18.601	58.431	56.612 56.574	54.194 54.189	2.382
TP 18.815	58.437	56.579	54.193	2.386
TP 26.109	58.588	56.843	54.339	2.504
IP 26.323	58.591	56.895 56.854	54.346 54.343	2.511
TP 26.537	58.592	56.866	54.347	2.518
52.547	58.545	56.998 56.987	54.875 54.866	2.119
		54.898 54.902	2.089 2.085	
79.047	57.897	57.557	55.443 55.457	2.100

44.000

8.2° BEND

8.2° BEND

RR

50 49 DN150 uPVC SN8 49 48

50 50 50 50 50 50 50 47

18.387 0.214 0.214 7.294 0.214 0.214 26.010 26.500

TYPE 3

WATER 150mm IL 56.081 CLR 1.234

CONNECT
EXISTING Ø150 ST

55

[illegible][illegible]

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AS CONSTRUCTED

[illegible]

Premise

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DESIGNED	MICHAEL MAJZNER	
CHECKED	MICHAEL MAJZNER	
PROJECT MANAGER	JOSHUA STONE	
PROJECT DIRECTOR	 JOSHUA STONE	DATE 26/09/18

RPEQ _____ DATE 26/09/18
K. Howells
 KEITH HOWELLS RPEQ 7295

SCALE

HORIZONTAL 1:1000 (A1)

VERTICAL 1:100 (A1)

CLIENT	MIRVAC
PROJECT	EVERLEIGH PRECINCT 1.3 SUBDIVISION DEVELOPMENT
LOCATION	TEVIOT ROAD, GREENBANK
SHEET TITLE	SEWERAGE RETICULATION LONG SECTIONS - SHEET 2 OF 4

JOB CODE	
MIR001-03	
SHEET NUMBER	REV
C504	D E

MAINTENANCE HOLE / SHAFT NO. HB1/65

2/65

MH / MS COVER TYPE		B
MH / MS TYPE	HB	A
MH DROP TYPE		
LINE NO.		
PROPERTY CONNECTION DEPTH		
PROPERTY CONNECTION INVERT LEVEL		
PROPERTY CONNECTION TYPE		
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).



DATUM RL

49.000

PROPERTY DESCRIPTION	RR	
PIPE SIZE (mm), CLASS	40	DN150 uPVC SN8
GRADE (1 IN X)	40	40
LENGTH	0.214	66.956
EMBEDMENT TYPE	TYPE 3	
DEPTH OF INVERT BELOW FSL	2.096	2.100
INVERT LEVEL (IL)	58.158 58.157	58.163
FINISHED SURFACE LEVEL (FSL)	60.293 60.254	60.263
EXISTING SURFACE LEVEL (ESL)	61.860	61.881
CHAINAGE (CH)	IP 17.424 TP 17.638	84.594

LINE

65

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..... RPEQ No. 15187 Date 19/06/2019
RPEQ (Signature)

AS CONSTRUCTED

DATE	REV	DESCRIPTION	REVISIONS
10/06/19	C	AS CONSTRUCTED	
23/07/18	B	NOTE ADDED AND UPDATE TO SOME HORIZONTAL BENDS DEFLECTION ANGLES FOR CLARITY	
02/07/18	A	ORIGINAL ISSUE	



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DESIGNED	MICHAEL MAJZNER
CHECKED	MICHAEL MAJZNER
PROJECT MANAGER	JOSHUA STONE
PROJECT DIRECTOR	JOSHUA STONE

RPEQ	KEITH HOWELLS	DATE	23/07/18
SCALE	HORIZONTAL 1:1000 (A1) VERTICAL 1:100 (A1)		

CLIENT	MIRVAC
PROJECT	EVERLEIGH PRECINCT 1.3 SUBDIVISION DEVELOPMENT
LOCATION	TEVIOT ROAD, GREENBANK
SHEET TITLE	SEWERAGE RETICULATION LONG SECTIONS - SHEET 4 OF 4

JOB CODE	MIR001-03
SHEET NUMBER	C506
REV	B

LEGEND - PROPOSED

FP DENOTES VERGE

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

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LINE 48[illegible]

STUB FOR FUTURE CONNECTION @ 1.30%

CONCRETE STORMWATER SUPPORT. REFER DETAIL.

CLR 1.862

CLR

40.000	STORMWATER	30° BEND	45° BEND	16.3" BEND	
RR					

15

04	49.883	49.868	49.863	2.3
		50.068	50.063	2.4
08		50.102	50.104	2.4
		50.161	50.161	2.0
15		50.176	50.176	1.9
54		50.193	50.193	1.8
46		50.259	50.259	1.5
		50.275	50.281	1.5
22		50.307	50.307	1.5
27		50.369	50.369	1.5
76		50.678	50.678	1.9
		50.748	50.748	1.9
36		50.936	50.936	2.5
49		50.965	50.941	2.6
60		50.967	50.945	2.6
88		51.340	51.316	2.9

--	--

50

AS

RKS

STUB FOR FUTURE CONNECTION @ 2.00%

41.000	45° BEND	45° BEND		42.000	40
RR				RR	1

[illegible]

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55 56 57

AS CONSTRUCTED CERTIFICATION

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STUB FOR FUTURE CONNECTION @ 1.629%

CONCRETE STORMWATER SUPPORT. REFER DETAIL.

19 CLR 0.300

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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40.000	
RR	

77

500	51.396	2.8
888	51.466	2.8
	51.457	2.8
	51.497	2.7

54.

57 AS CONSTRUCTED

AS CONSTRUCTED