

TBM 10 (Star Pk)
 RL 38.1051 AHD
 E 288045.53
 N 58034.18.06

PORPHYRY STONE
 THRESHOLD TREATMENT
 (REFER 305175 CR FOR DETAILS)

PORPHYRY STONE
 THRESHOLD TREATMENT
 (REFER 305175 CR FOR DETAILS)

PORPHYRY STONE
 THRESHOLD TREATMENT
 (REFER 305175 CR FOR DETAILS)

WARNING
 BEWARE OF UNDERGROUND/OVERHEAD SERVICES
 THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

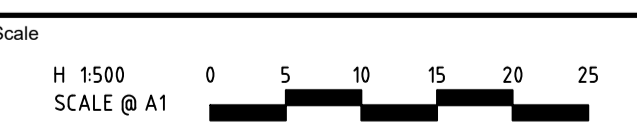
SERVICE OFFSETS AND LOCATION TABLE

ROAD NAME	POTABLE WATER		RECYCLED WATER		GAS		ELECTRICITY				TELECOM	
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	POLE SIDE	POLE OFFSET	U/G CABLE SIDE	U/G CABLE OFFSET	SIDE	OFFSET
GLOVER STREET	W	2.95	W	2.50	W	2.10	E	0.80*	E	2.60	E	1.850
COPAL STREET	N	2.95	N	2.50	N	2.10	S	0.80*	S	2.60	S	1.725
PORTRAIT STREET	E	2.95	E	2.50	E	2.10	W	0.80*	W	2.60	W	1.725
BESSIE STREET	E	2.95	E	2.50	E	2.10	W	0.80*	W	1.10	W	0.700

1. TELSTRA AND ELECTRICITY CABLES ARE TO BE CONSTRUCTED IN A COMMON TRENCH IN ACCORDANCE WITH ELECTRICITY AUTHORITY STANDARD DRAWINGS.
2. GAS AND WATER MAINS ARE TO BE CONSTRUCTED IN A COMMON TRENCH.
3. * DENOTES OFFSET FROM BACK OF KERB.
4. LIGHT POLES DIMENSIONED TO CENTRE OF POLE.

file name: 305175CR201.dwg, layout: 305175CR201.dwg, created: 17/03/2022 10:01 AM, sheet: 3 of 15 sheets, file location: \\spire\projects\305175\305175.dwg, plot date: 17/03/2022 10:01 AM, sheet: 3 of 15 sheets

Rev	Amendments	Approved	Date
3	AS CONSTRUCTED	MR	16/03/22
2	DRAINAGE LAYOUT AMENDED	MR	13/10/21
1	AMENDED LOT LAYOUT	ML	29/05/20
0	ISSUED FOR CONSTRUCTION	ML	05/07/19



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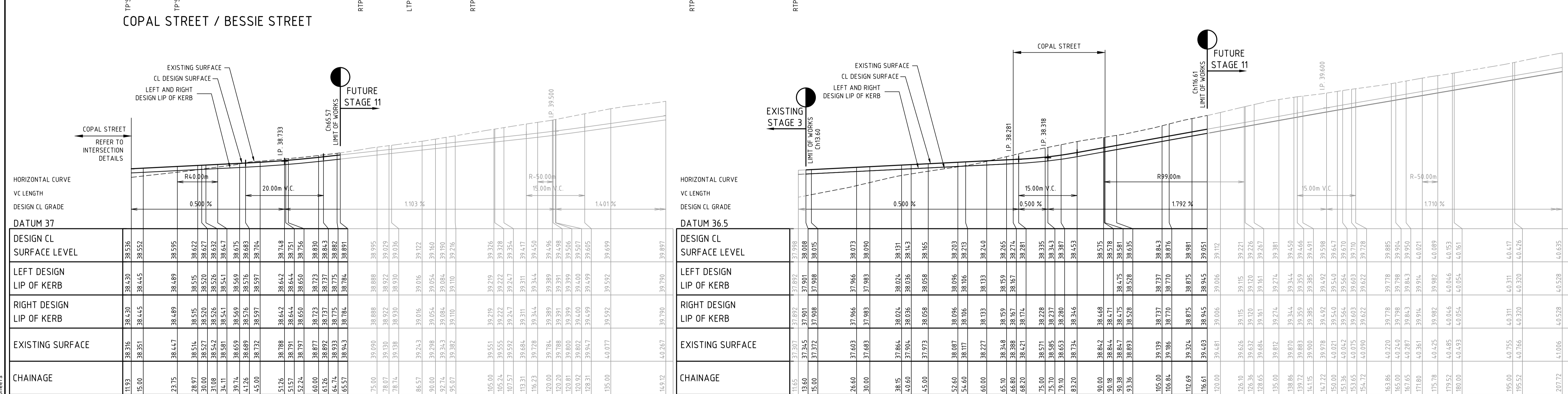
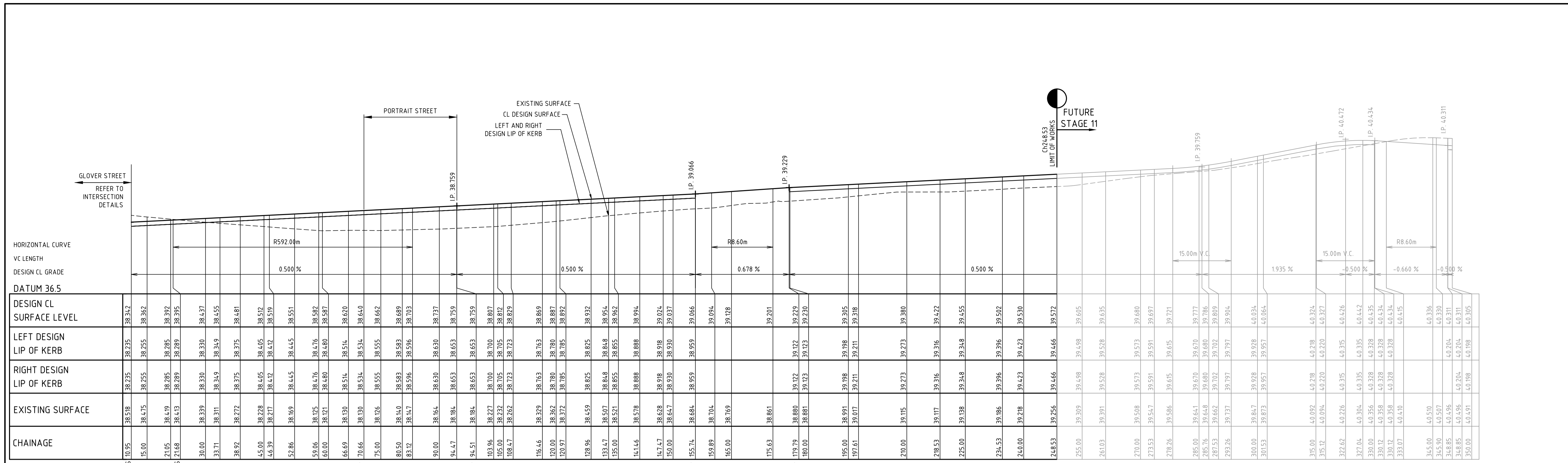
414 LA TROBE STREET PO BOX 16084 MELBOURNE
 VICTORIA 8007 AUSTRALIA T 61 3 9993 7888
 spiire.com.au ABN 55 050 029 635



Designed
 R. WEINBER
 Authorised
 M. LETSON
 Checked
 J. KOEHLER
 Date
 03/04/19

**MAMBOURIN ESTATE
 STAGE 10
 ROAD AND DRAINAGE
 SERVICES PLAN**
 MUNICIPALITY OF WYNDHAM
 FRASERS PROPERTY

AS CONSTRUCTED Drg No **305175CR201** Rev **3**



TP'S	10.95	15.00	21.05	21.68	30.00	33.71	38.92	45.00	46.39	52.86	59.06	60.00	66.69	70.66	75.00	80.50	83.12	90.00	94.47	94.51	103.96	105.00	108.47	116.46	120.97	128.86	133.47	135.00	141.46	147.47	150.00	155.74	159.89	165.00	175.63	179.79	180.00	195.00	197.61	210.00	218.53	225.00	234.53	240.00	248.53	255.00	261.03	270.00	273.53	278.26	285.00	285.76	287.53	293.26	300.00	301.53	315.00	315.12	322.62	327.04	330.00	330.12	333.07	345.00	345.90	348.85	350.00				
DESIGN CL SURFACE LEVEL	38.342	38.235	38.255	38.285	38.330	38.455	38.481	38.512	38.519	38.551	38.582	38.587	38.620	38.640	38.662	38.689	38.703	38.737	38.759	38.759	38.807	38.812	38.829	38.869	38.887	38.892	38.932	38.954	38.962	38.994	38.994	39.094	39.128	39.201	39.229	39.230	39.305	39.318	39.380	39.422	39.455	39.502	39.530	39.572	39.605	39.635	39.680	39.697	39.721	39.777	39.786	39.809	39.904	39.928	40.034	40.064	40.324	40.327	40.426	40.442	40.435	40.434	40.434	40.445	40.450	40.450	40.450	40.450			
LEFT DESIGN LIP OF KERB	38.235	38.255	38.285	38.289	38.330	38.455	38.481	38.512	38.519	38.551	38.582	38.587	38.620	38.640	38.662	38.689	38.703	38.737	38.759	38.759	38.807	38.812	38.829	38.869	38.887	38.892	38.932	38.954	38.962	38.994	38.994	39.094	39.128	39.201	39.229	39.230	39.305	39.318	39.380	39.422	39.455	39.502	39.530	39.572	39.605	39.635	39.680	39.697	39.721	39.777	39.786	39.809	39.904	39.928	40.034	40.064	40.324	40.327	40.426	40.442	40.435	40.434	40.445	40.450	40.450	40.450	40.450				
RIGHT DESIGN LIP OF KERB	38.235	38.255	38.285	38.289	38.330	38.455	38.481	38.512	38.519	38.551	38.582	38.587	38.620	38.640	38.662	38.689	38.703	38.737	38.759	38.759	38.807	38.812	38.829	38.869	38.887	38.892	38.932	38.954	38.962	38.994	38.994	39.094	39.128	39.201	39.229	39.230	39.305	39.318	39.380	39.422	39.455	39.502	39.530	39.572	39.605	39.635	39.680	39.697	39.721	39.777	39.786	39.809	39.904	39.928	40.034	40.064	40.324	40.327	40.426	40.442	40.435	40.434	40.445	40.450	40.450	40.450	40.450				
EXISTING SURFACE	38.518	38.475	38.449	38.443	38.339	38.311	38.272	38.228	38.217	38.169	38.125	38.121	38.130	38.130	38.126	38.140	38.147	38.164	38.184	38.184	38.227	38.232	38.262	38.329	38.362	38.372	38.459	38.507	38.521	38.578	38.578	38.704	38.769	38.861	38.880	38.881	38.922	39.122	39.229	39.230	39.316	39.316	39.396	39.422	39.455	39.502	39.530	39.572	39.605	39.635	39.680	39.697	39.721	39.777	39.786	39.809	39.904	39.928	40.034	40.064	40.324	40.327	40.426	40.442	40.435	40.434	40.445	40.450	40.450	40.450	40.450
CHAINAGE	10.95	15.00	21.05	21.68	30.00	33.71	38.92	45.00	46.39	52.86	59.06	60.00	66.69	70.66	75.00	80.50	83.12	90.00	94.47	94.51	103.96	105.00	108.47	116.46	120.97	128.86	133.47	135.00	141.46	147.47	150.00	155.74	159.89	165.00	175.63	179.79	180.00	195.00	197.61	210.00	218.53	225.00	234.53	240.00	248.53	255.00	261.03	270.00	273.53	278.26	285.00	285.76	287.53	293.26	300.00	301.53	315.00	315.12	322.62	327.04	330.00	330.12	333.07	345.00	345.90	348.85	350.00				

Scale

H 1:500
SCALE @ A1
V 1:50

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Authorised
M. LETSON

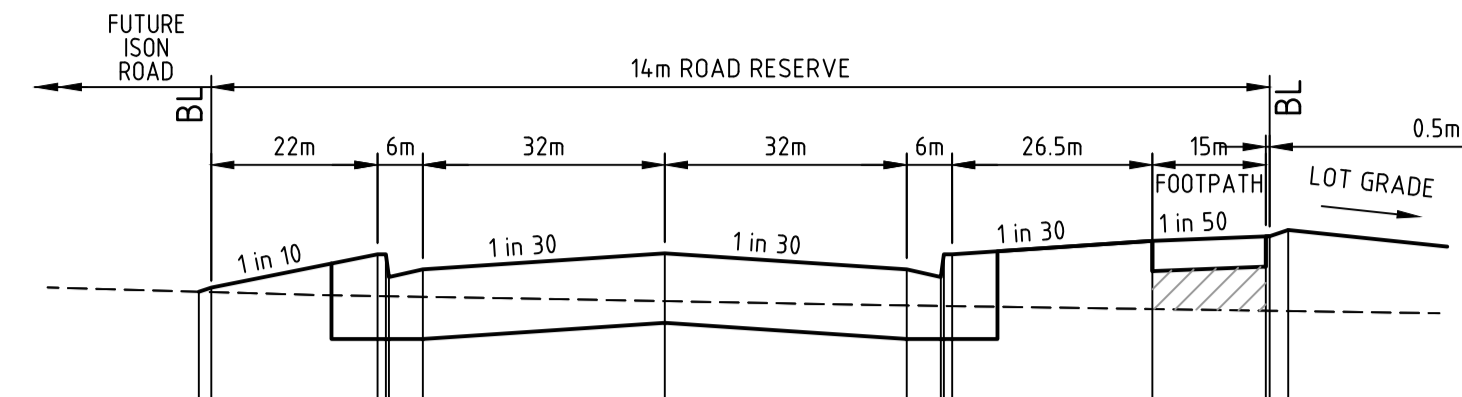
Checked
J. KOEHLER
Date
03/04/19

**MAMBOURIN ESTATE
STAGE 10**
LONGITUDINAL SECTION - COPAL STREET/
BESSIE STREET, PORTRAIT STREET & GLOVER STREET
MUNICIPALITY OF WYNDHAM
FRASERS PROPERTY

AS CONSTRUCTED Drg No **305175CR300** Rev **1**

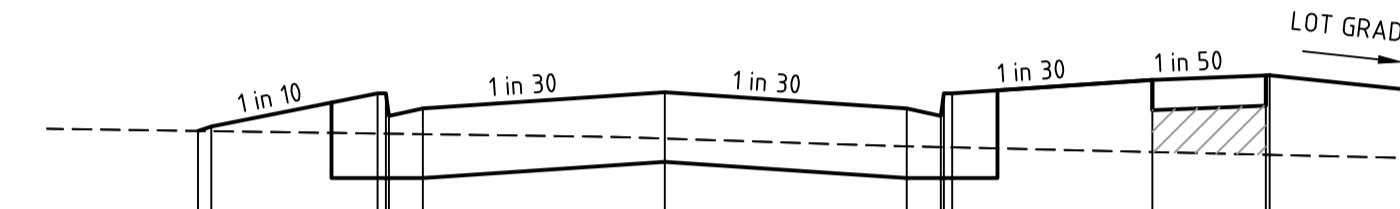
1	AS CONSTRUCTED	MR	16/03/22
0	ISSUED FOR CONSTRUCTION	ML	05/07/19
Rev	Amendments	Approved	Date

STRUCTURAL FILL
IN ACCORDANCE
WITH AS3798-2007,
LEVEL 1.



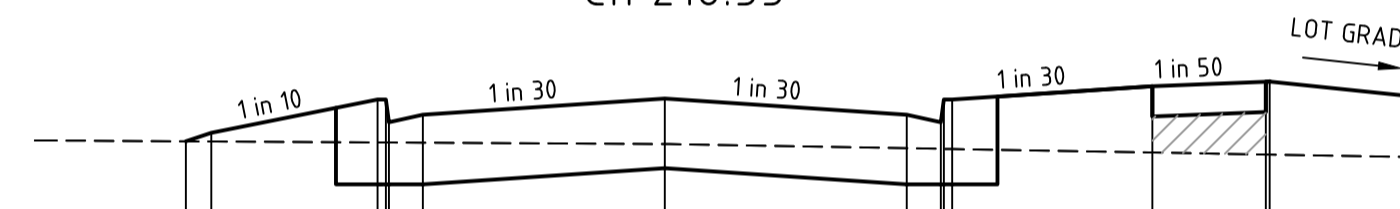
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DESIGN SURFACE LEVEL		39.318	39.346		39.566		39.572		39.466		39.566		39.654		39.684		39.776
EXISTING SURFACE LEVEL		39.318	39.316		39.289		39.256		39.228		39.224		39.204		39.193		39.176
OFFSET		-6.165	-6.000		-3.800		0.000		3.200		3.650		3.800		6.450		8.246

BESSIE STREET Ch 248.53



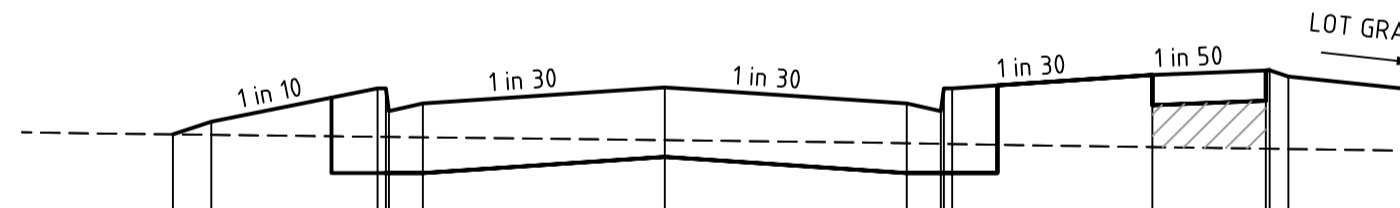
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DESIGN SURFACE LEVEL		39.167	39.196		39.416		39.422		39.316		39.266		39.504		39.534		39.535
EXISTING SURFACE LEVEL		39.167	39.166		39.150		39.117		39.065		39.060		39.027		39.010		39.009
OFFSET		-6.174	-6.000		-3.800		0.000		3.200		3.650		6.450		7.950		8.000

BESSIE STREET Ch 218.53



DATUM 38																	
DESIGN SURFACE LEVEL		39.035	39.091		39.311		39.318		39.211		39.161		39.400		39.430		39.431
EXISTING SURFACE LEVEL		39.035	39.034		39.028		39.017		38.990		38.986		38.961		38.948		38.948
OFFSET		-6.335	-6.000		-3.800		0.000		3.200		3.650		6.450		7.950		8.000

BESSIE STREET Ch 197.61

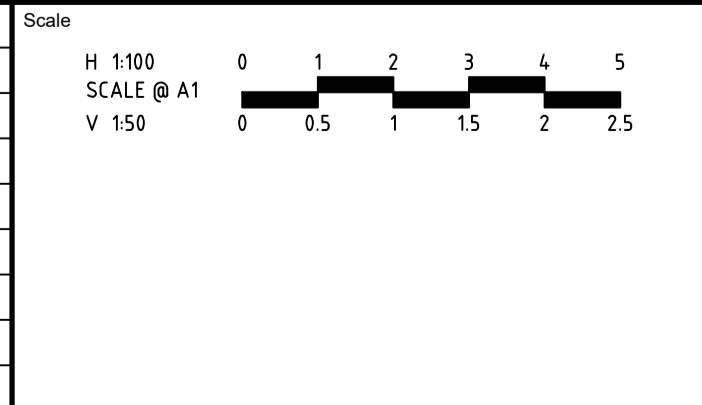


DATUM 38																	
DESIGN SURFACE LEVEL		38.918	39.002		39.222		39.229		39.122		39.072		39.310		39.340		39.300
EXISTING SURFACE LEVEL		38.918	38.915		38.902		38.880		38.859		38.855		38.834		38.823		38.821
OFFSET		-6.506	-6.000		-3.800		0.000		3.200		3.650		6.450		7.950		8.248

BESSIE STREET Ch 179.79

file: s:\p\305175CR401.dwg layout: crss_CD01.dwg plotted by: Ali/Kh/wh/d Date: 17/03/2022 10:01 AM Sheet: 6 of 15 Sheets

Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	MR	16/03/22
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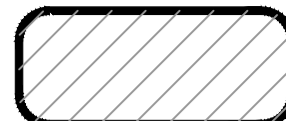
 Date
 03/04/19

MAMBOURIN ESTATE
STAGE 10
 ROAD AND DRAINAGE
 ROAD CROSS SECTIONS - BESSIE STREET
 MUNICIPALITY OF WYNDHAM
 FRASERS PROPERTY

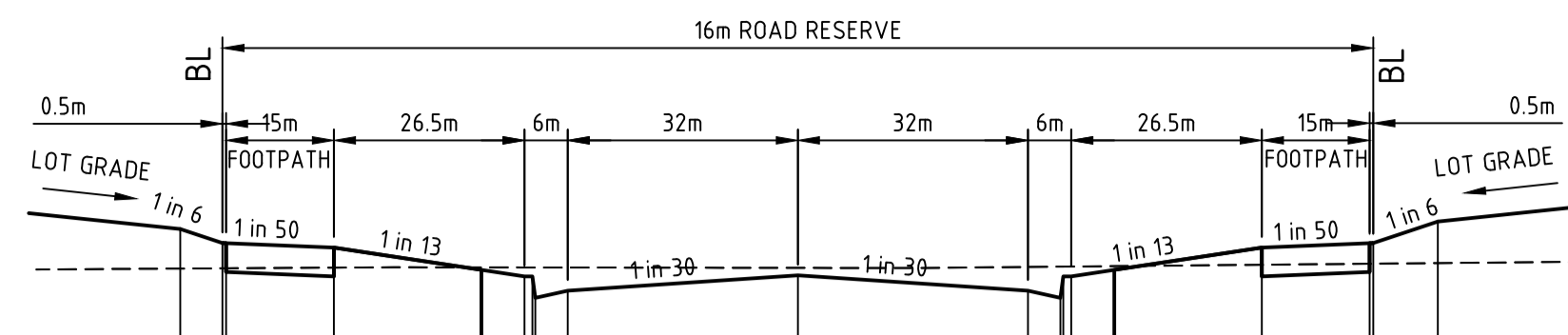
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Drg No
305175CR401

Rev
1

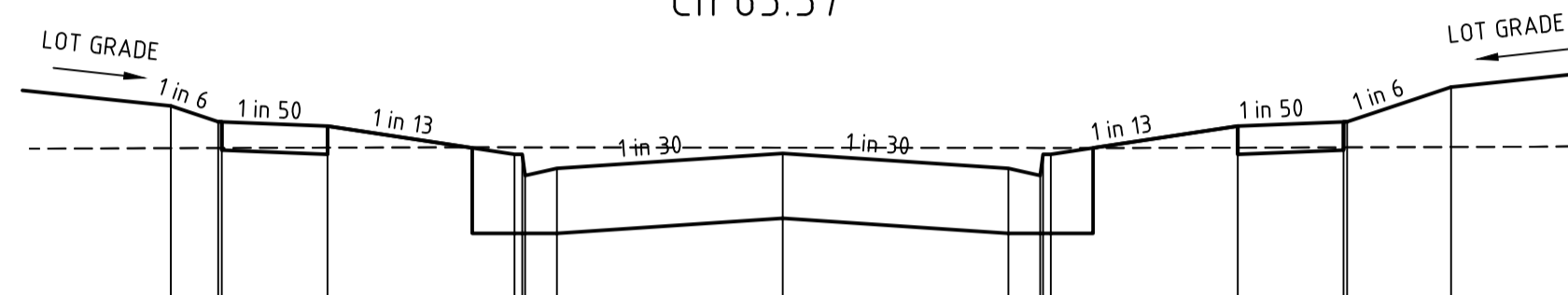


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LEVEL 1.



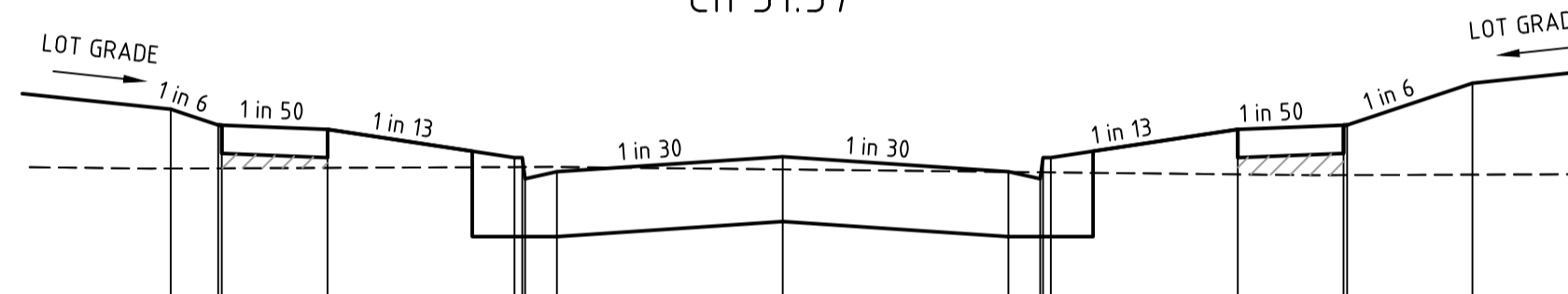
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EXISTING SURFACE LEVEL	
OFFSET	

PORTRAIT STREET Ch 65.57



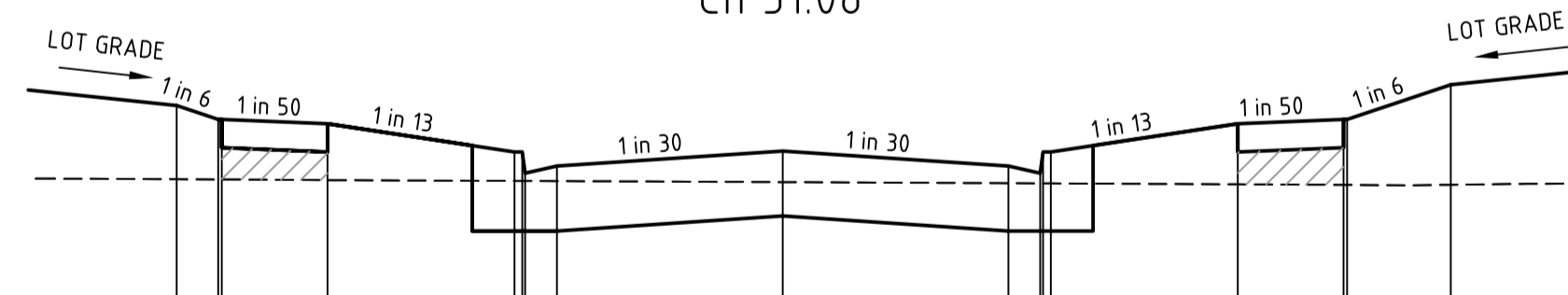
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DESIGN SURFACE LEVEL	
EXISTING SURFACE LEVEL	
OFFSET	

PORTRAIT STREET Ch 51.57



DATUM 37	
DESIGN SURFACE LEVEL	
EXISTING SURFACE LEVEL	
OFFSET	

PORTRAIT STREET Ch 31.08

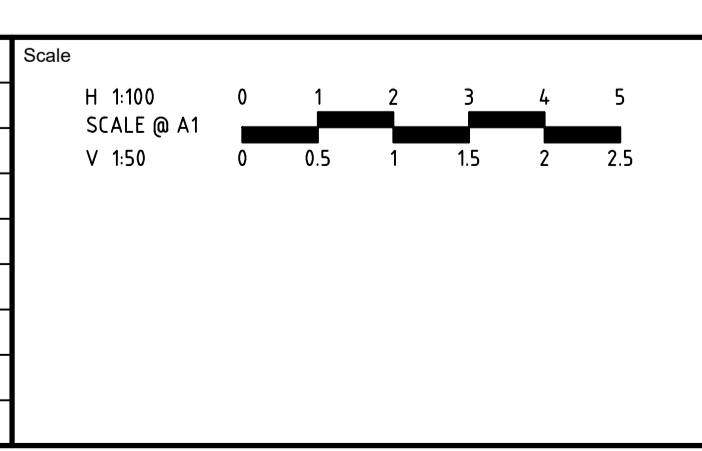


DATUM 37	
DESIGN SURFACE LEVEL	
EXISTING SURFACE LEVEL	
OFFSET	

PORTRAIT STREET Ch 11.93

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Rev	Description	Approved	Date
1	AS CONSTRUCTED	MR	16/03/22
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Checked
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Authorised
M. LETSON

Date
03/04/19

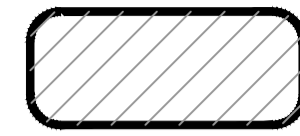
**MAMBOURIN ESTATE
STAGE 10
ROAD AND DRAINAGE
ROAD CROSS SECTIONS - PORTRAIT STREET**
MUNICIPALITY OF WYNDHAM
FRASERS PROPERTY

AS CONSTRUCTED

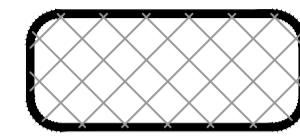
Dwg No
305175CR402

Rev
1

CRUSHED ROCK BACKFILL LEGEND



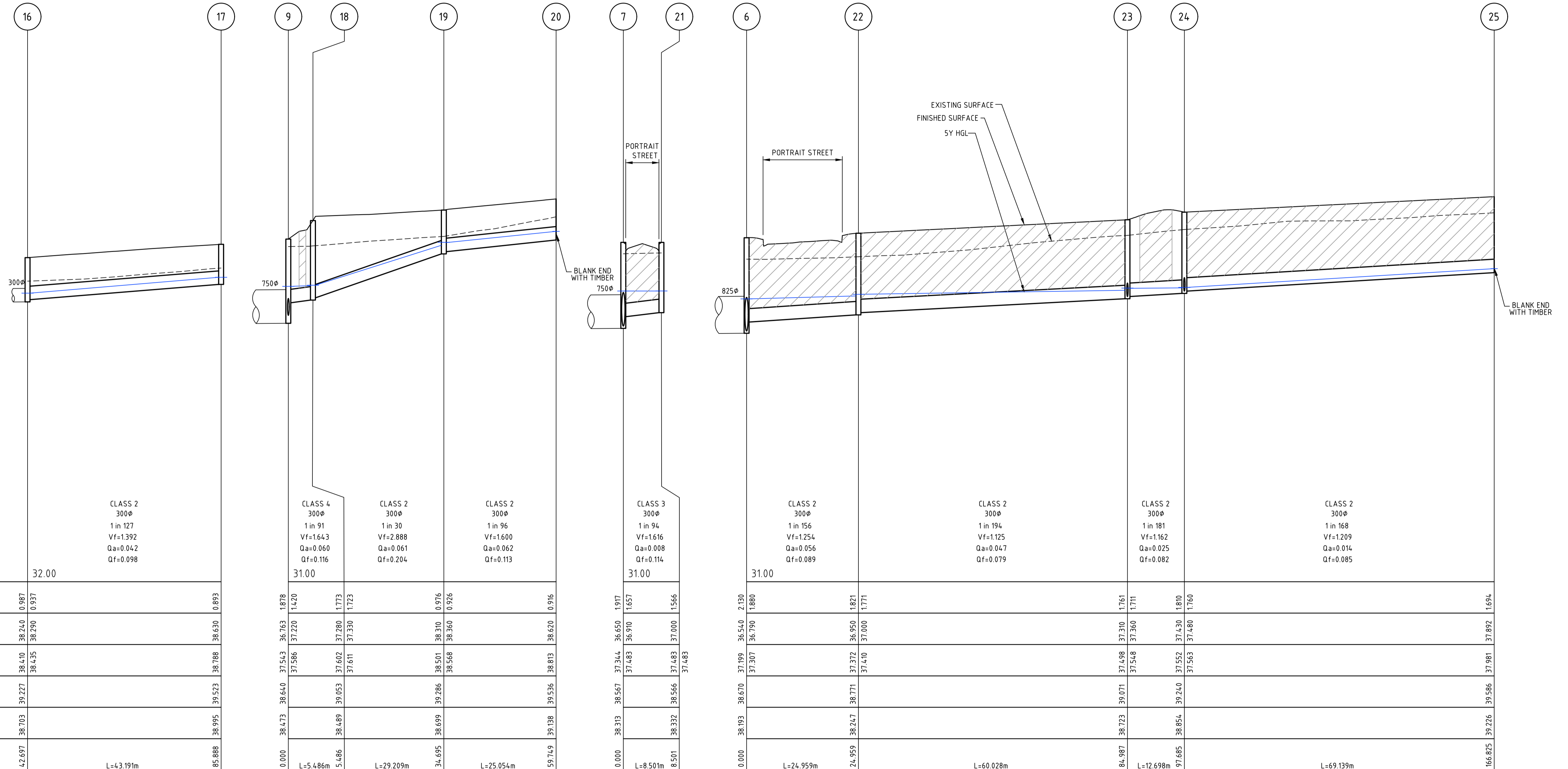
CLASS 2 CRUSHED ROCK



CLASS 3 CRUSHED ROCK

NOTE:

- ALL PIPES TO BE RRJ DENOTES RUBBER RING JOINTED UNLESS NOTED OTHERWISE.
- DRAINAGE PIPES GREATER THAN 750 ϕ ARE TO BE FLUSH JOINTED (FJ) WITH EXTERNAL SEALING BANDS.
- CCTV FOOTAGE IS TO BE PROVIDED TO WCC FOR REVIEW FOR ALL CLASS 4 RCP PIPES WITH THE ROAD RESERVE. CCTV SHALL BE UNDERTAKEN AFTER BACKFILLING AND PAVEMENT WORK.
- CURVED PIPE ALIGNMENTS TO BE ACHIVED USING EITHER:
a) SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION.

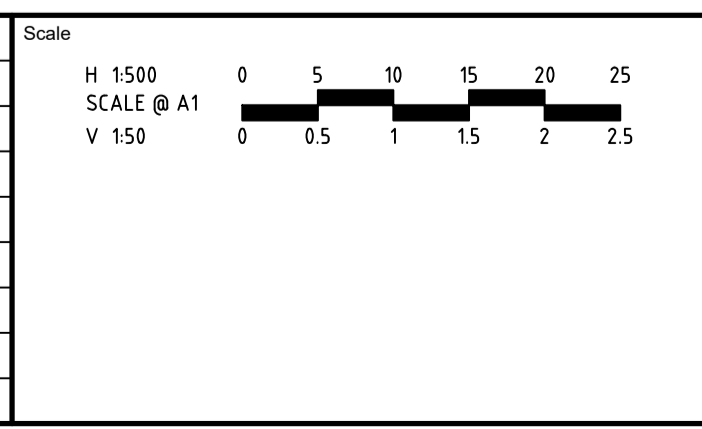


Station	Pipe Class	Pipe Diameter	Pipe Grade	Vf (m/s)	Qactual (m3/s)	Qfull (m3/s)	DATUM R.L.
16	CLASS 2	300 ϕ	1 in 127	Vf=1.392	Qa=0.042	Qf=0.098	32.00
17	CLASS 4	300 ϕ	1 in 91	Vf=1.643	Qa=0.060	Qf=0.116	31.00
18	CLASS 2	300 ϕ	1 in 30	Vf=2.888	Qa=0.061	Qf=0.204	31.00
19	CLASS 2	300 ϕ	1 in 96	Vf=1.600	Qa=0.062	Qf=0.113	31.00
20	CLASS 3	300 ϕ	1 in 94	Vf=1.616	Qa=0.008	Qf=0.114	31.00
21	CLASS 2	300 ϕ	1 in 156	Vf=1.254	Qa=0.056	Qf=0.089	31.00
22	CLASS 2	300 ϕ	1 in 194	Vf=1.125	Qa=0.047	Qf=0.079	31.00
23	CLASS 2	300 ϕ	1 in 181	Vf=1.162	Qa=0.025	Qf=0.082	31.00
24	CLASS 2	300 ϕ	1 in 168	Vf=1.209	Qa=0.014	Qf=0.085	31.00
25	CLASS 2	300 ϕ	1 in 168	Vf=1.209	Qa=0.014	Qf=0.085	31.00

Station	DEPTH TO INVERT	DESIGN INVERT LEVEL	HYDRAULIC GRADE LEVEL	FINISHED SURFACE LEVEL	EXISTING SURFACE LEVEL	CHAINAGE
16	0.987	38.240	38.410	39.227	38.703	42.697
17	0.937	38.290	38.435	39.227	38.995	85.888
18	1.878	36.763	37.543	38.640	38.473	0.000
19	1.420	37.220	37.586	38.640	38.473	5.486
20	1.773	37.280	37.602	39.053	38.489	34.695
21	1.723	37.330	37.611	39.053	38.699	59.749
22	0.976	38.310	38.501	39.286	38.699	0.000
23	0.926	38.360	38.568	39.286	38.313	8.501
24	0.916	38.620	38.813	39.536	38.332	24.959
25	1.566	37.000	37.483	38.566	38.332	84.987

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Rev	Description	Approved	Date
1	AS CONSTRUCTED	MR	16/03/22
0	ISSUED FOR CONSTRUCTION	ML	05/07/19



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Designed: R. WEINBER
 Authorised: M. LETSON
 Checked: J. KOEHLER
 Date: 03/04/19

MAMBOURIN ESTATE
STAGE 10
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 2
 MUNICIPALITY OF WYNDHAM
 FRASERS PROPERTY

AS CONSTRUCTED

Dwg No 305175CR601 Rev 1

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LEGEND

- 1** STREET NAME PLATES TO BE IN ACCORDANCE WITH HCC SD408 & SD412, INCLUDING "NO THROUGH ROAD" NOMINATION WHERE APPLICABLE.
- 2** ROAD CLOSED G9-20
- 3** D4-5
- 4** D4-1-2 (L) **5** D4-1-2 (R)
- TGS1 KERB RAMP
- TGS1 DIRECTIONAL
- 1-WAY RRPM (5m SPACING)

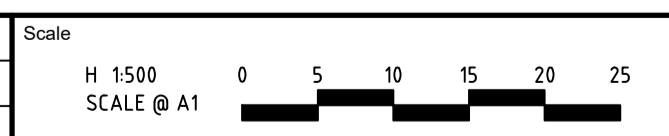
HAZARD / DIRECTIONAL TGS1'S SHOW INDICATIVELY. FOOTPATH RAMP SHALL BE CONSTRUCTED IN ACCORDANCE WITH EDM 403. TGS1'S SHALL CONFORM TO SECTION 21.1 VICROADS TRAFFIC ENG. MANUAL VOL. 2

RRPM'S SHALL CONFORM TO SECTION 19.1 VICROADS TRAFFIC ENG. MANUAL VOL. 2

NOTE:

1. STREET SIGNS ARE TO BE MOUNTED ON LIGHT POLES, WITH A COUNCIL APPROVED BRACKET, IN LIEU OF SIGN POLES WHERE THE TWO POLES ARE IN CLOSE PROXIMITY AND WHERE THE STREET SIGN WOULD NOT BE COMPROMISED IN ITS PURPOSE BY THE RELOCATION.

Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	MR	16/03/22
0	ISSUED FOR CONSTRUCTION	ML	05/07/19



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**MAMBOURIN ESTATE
 STAGE 10
 ROAD AND DRAINAGE
 SIGNAGE AND LINEMARKING
 MUNICIPALITY OF WYNDHAM
 FRASERS PROPERTY**

AS CONSTRUCTED

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