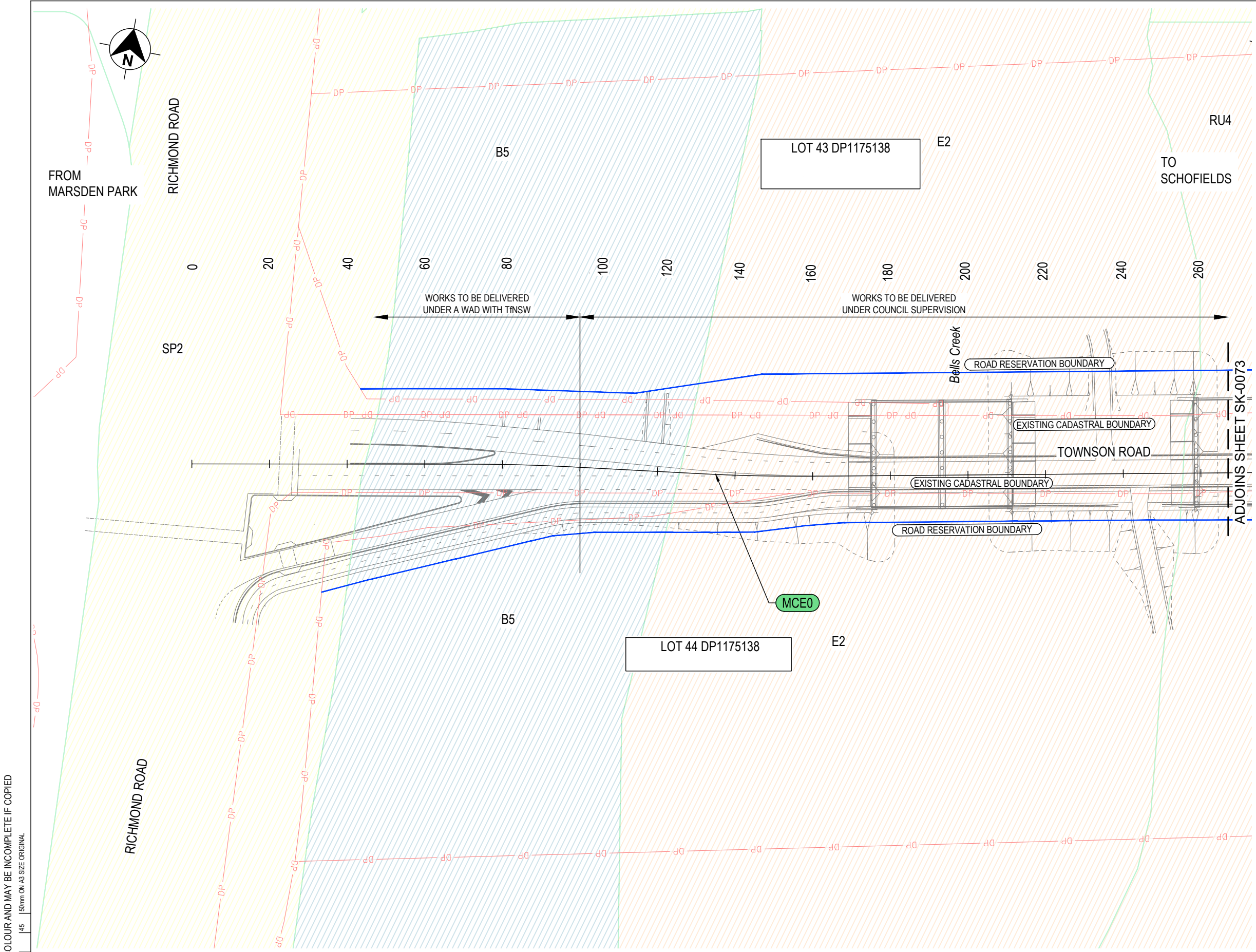


Appendix C

Concept design drawings



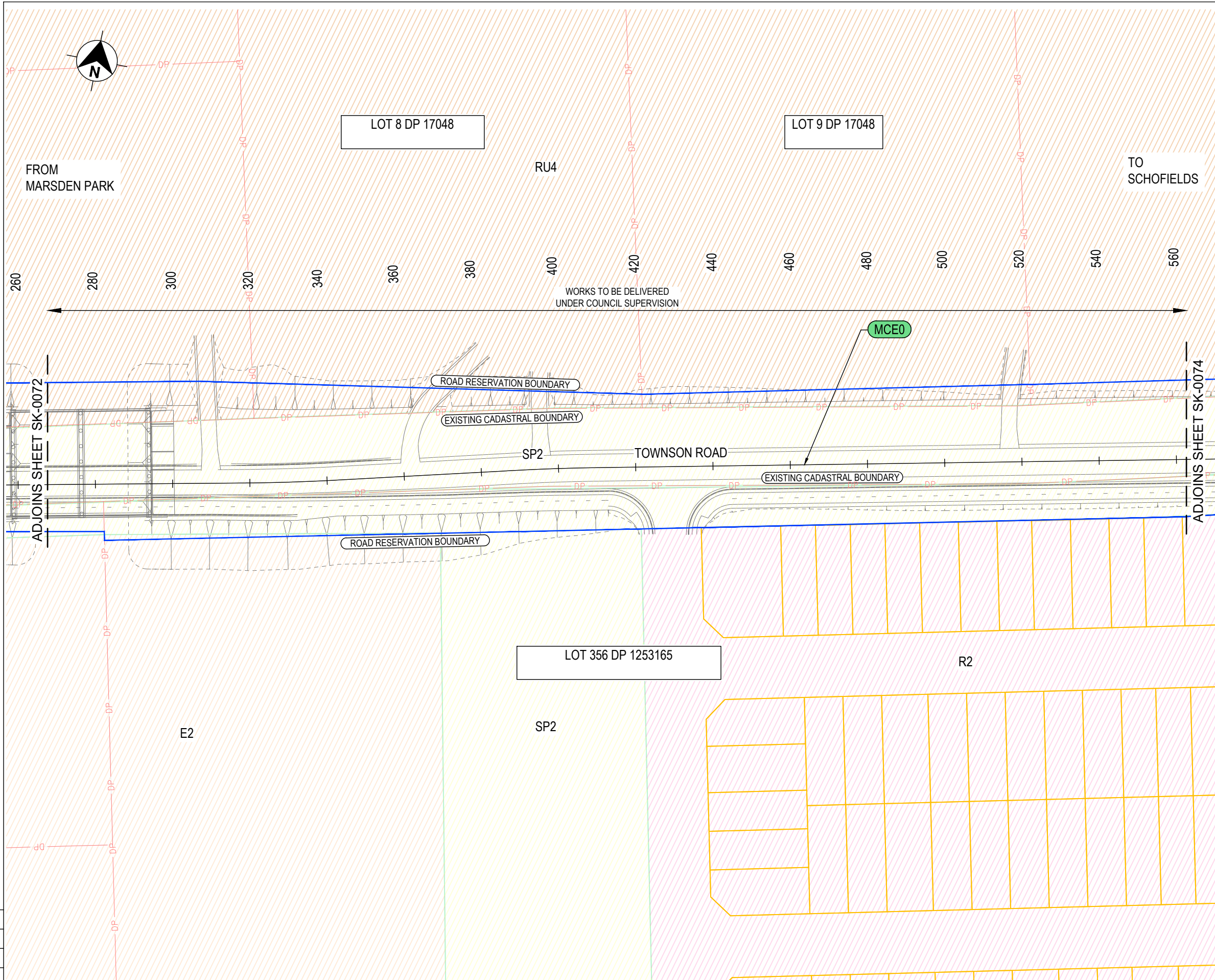
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 - ROAD RESERVATION BOUNDARY
 - - - TEMPORARY ROAD RESERVE
 - LUXELAND DEVELOPMENT
 - EASEMENT AREA
 - LAND ZONING CATEGORY

- NOTES**
1. ROAD RESERVATION BOUNDARY SUBJECT TO FINALISATION BY BLACKTOWN CITY COUNCIL AND UPON SETOUT FROM REGISTERED DEPOSITION PLANS.

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RMS REGISTRATION No. DS2018/001093		ISSUE STATUS FOR INFORMATION		EDMS No. SF2018/0243946		SHEET No. SK-0072		ISSUE 0		PART 7		SHEET 1 OF 6



LEGEND

- DP CADASTRAL BOUNDARY (FROM DP)
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- B5 LAND ZONING CATEGORY

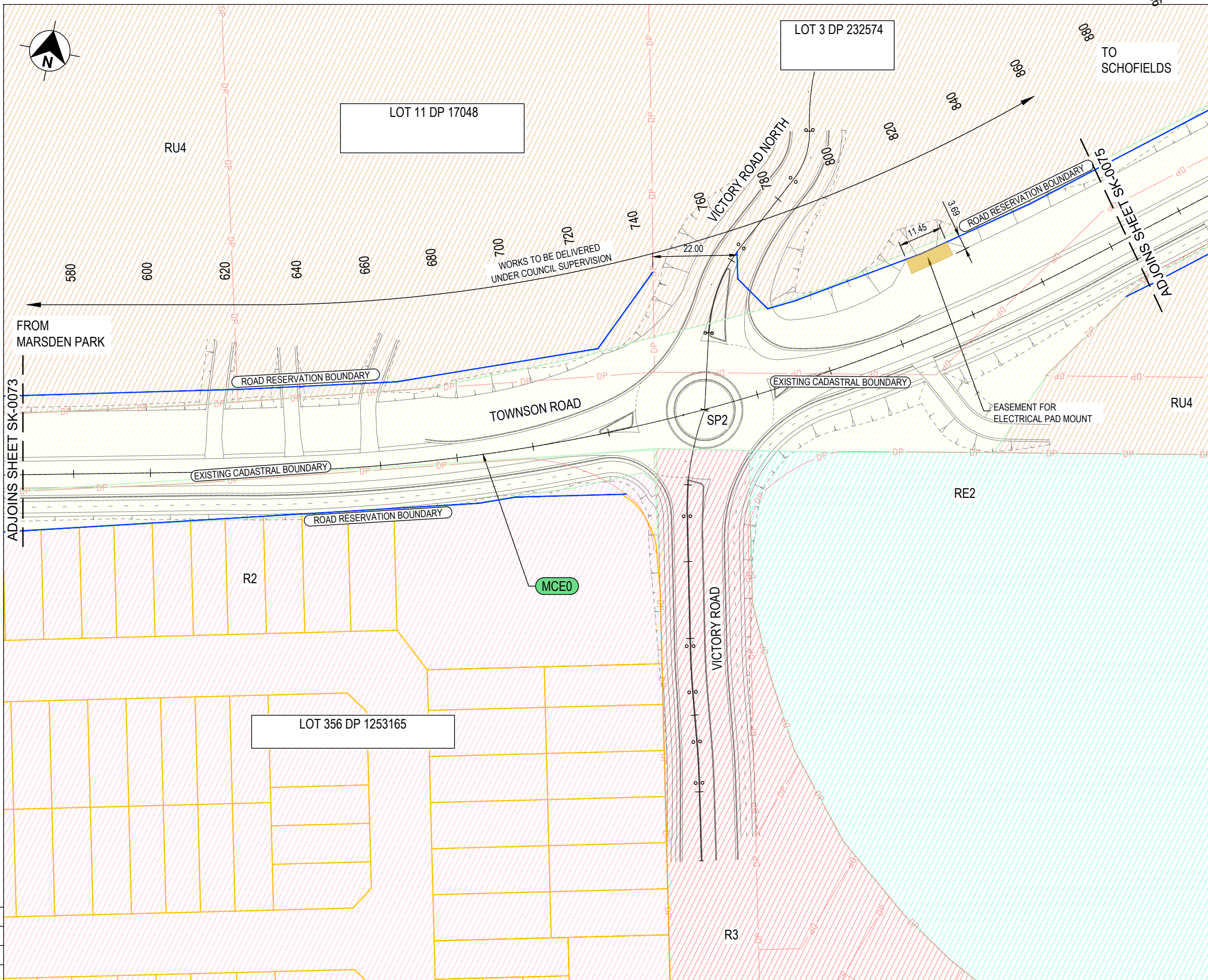
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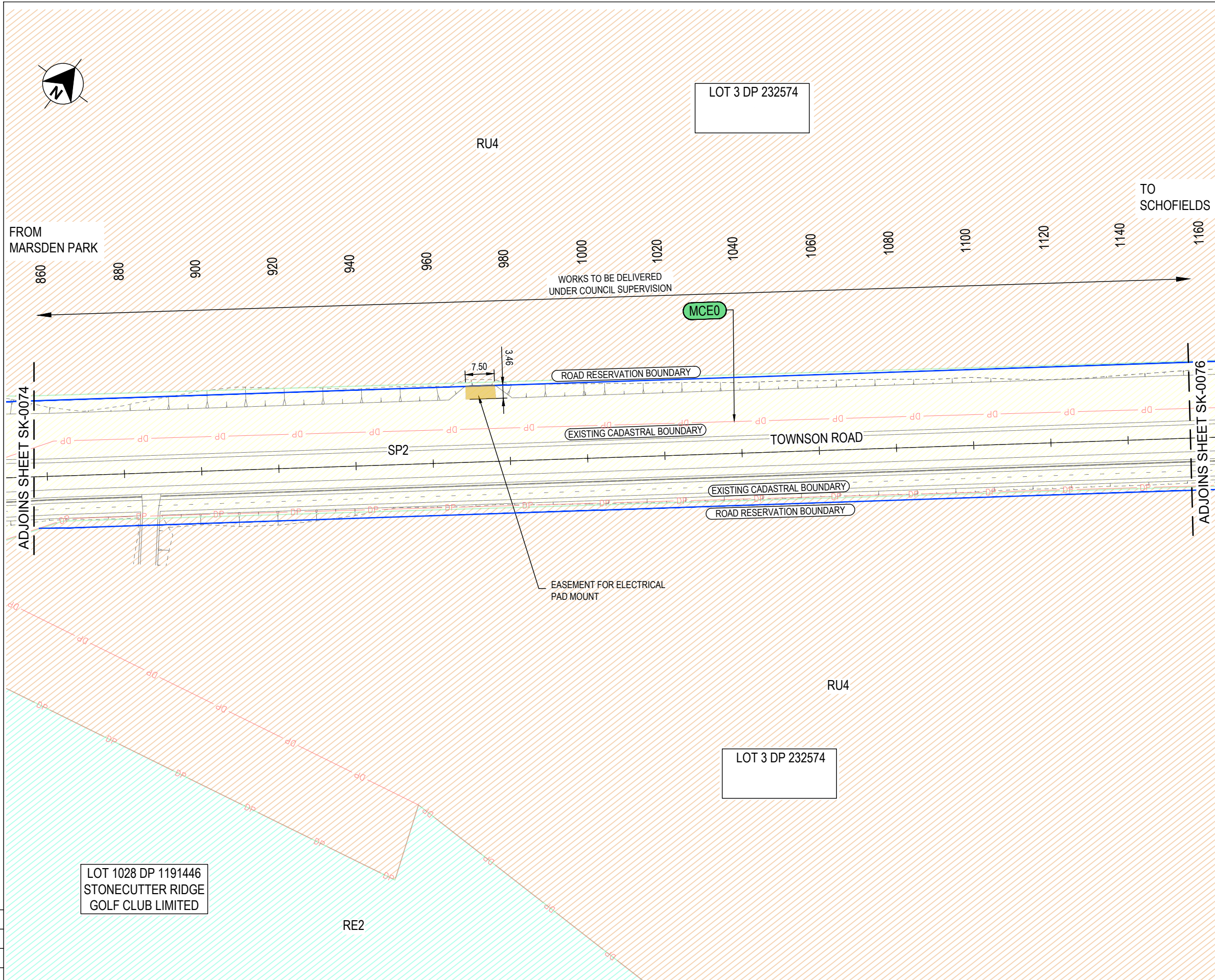


LEGEND

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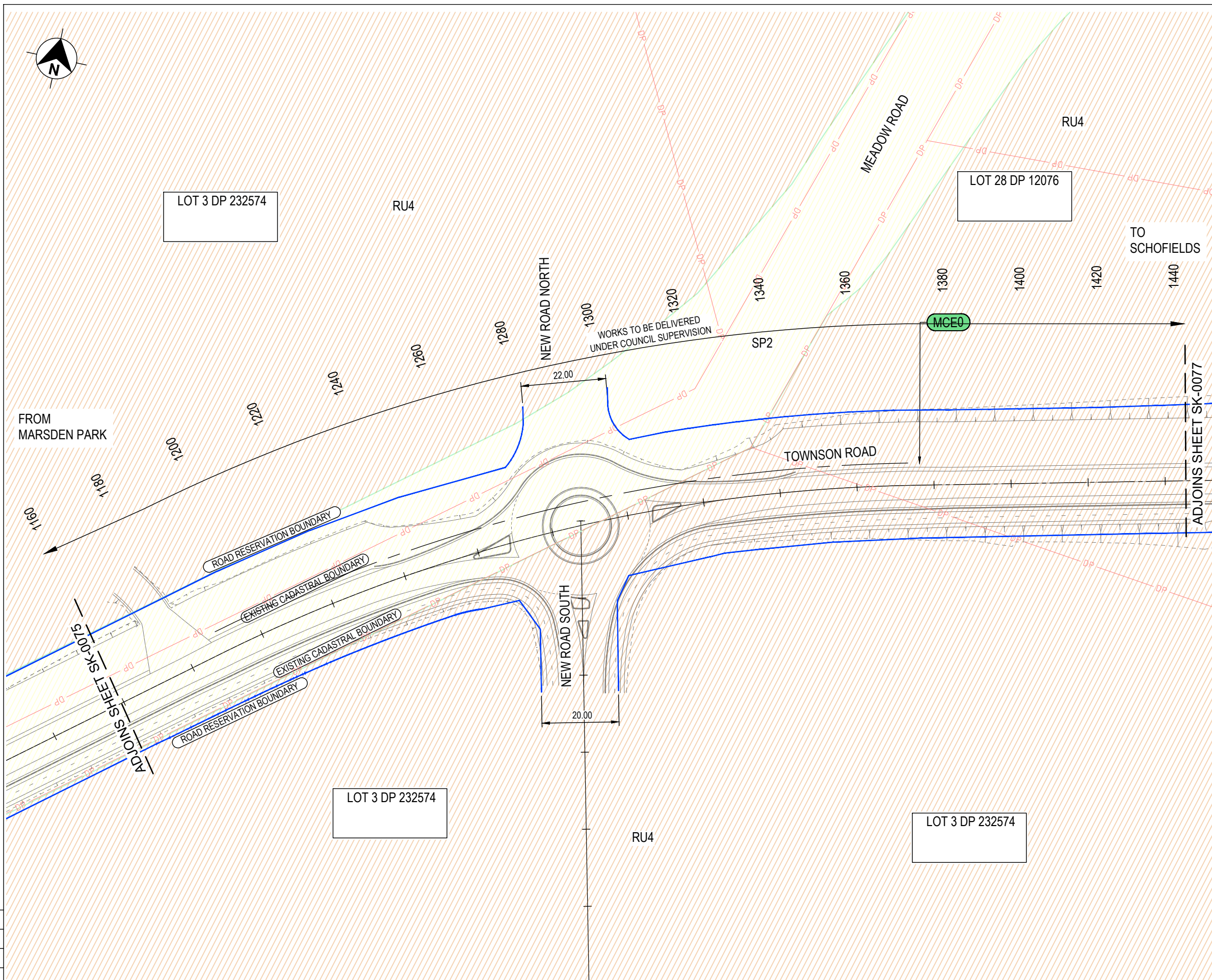


LEGEND

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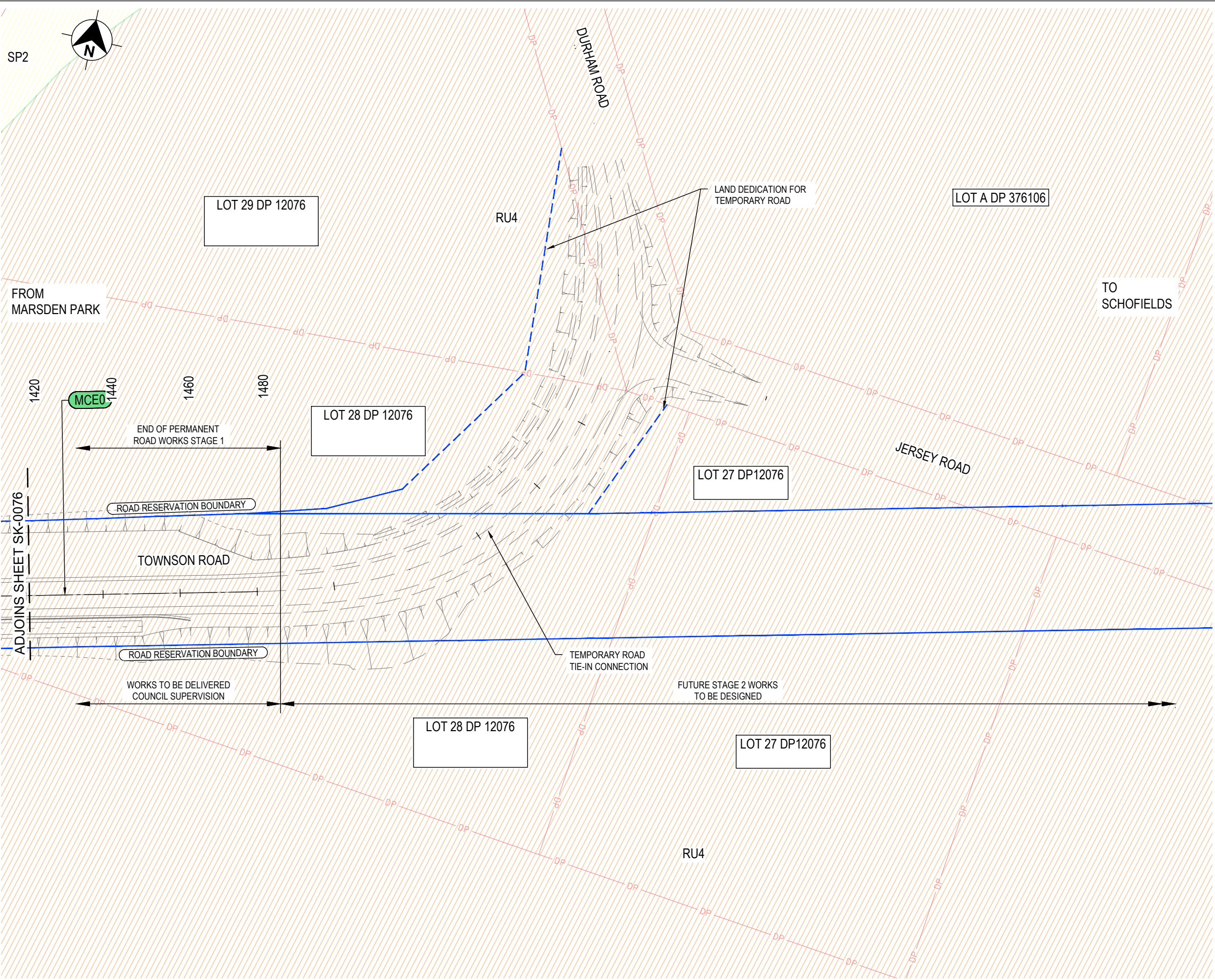
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PART		7		SHEET 5 OF 6		PREPARED FOR		WESTERN SYDNEY PROGRAM OFFICE				© Transport for NSW																		



LEGEND

	CADASTRAL BOUNDARY (FROM DP)
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	TEMPORARY ROAD RESERVE
	LUXELAND DEVELOPMENT
	EASEMENT AREA
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NOTES

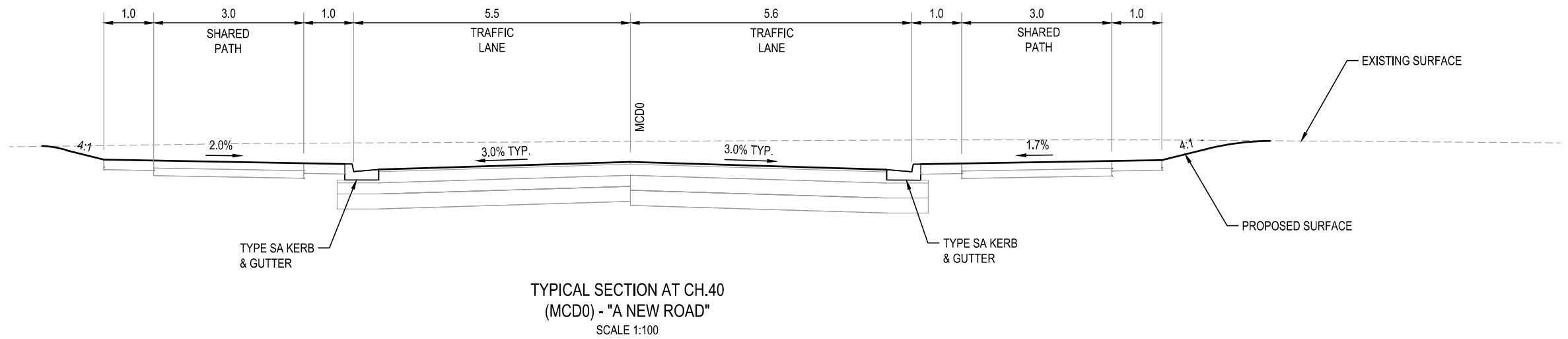
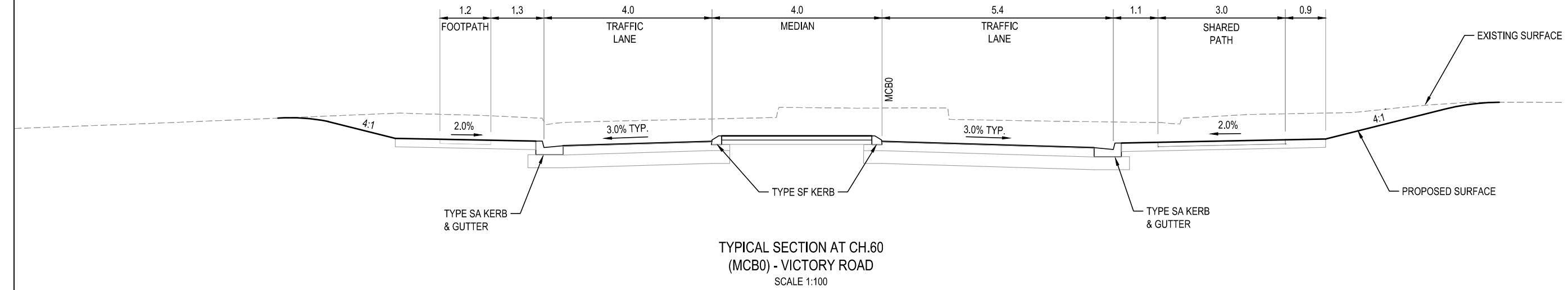
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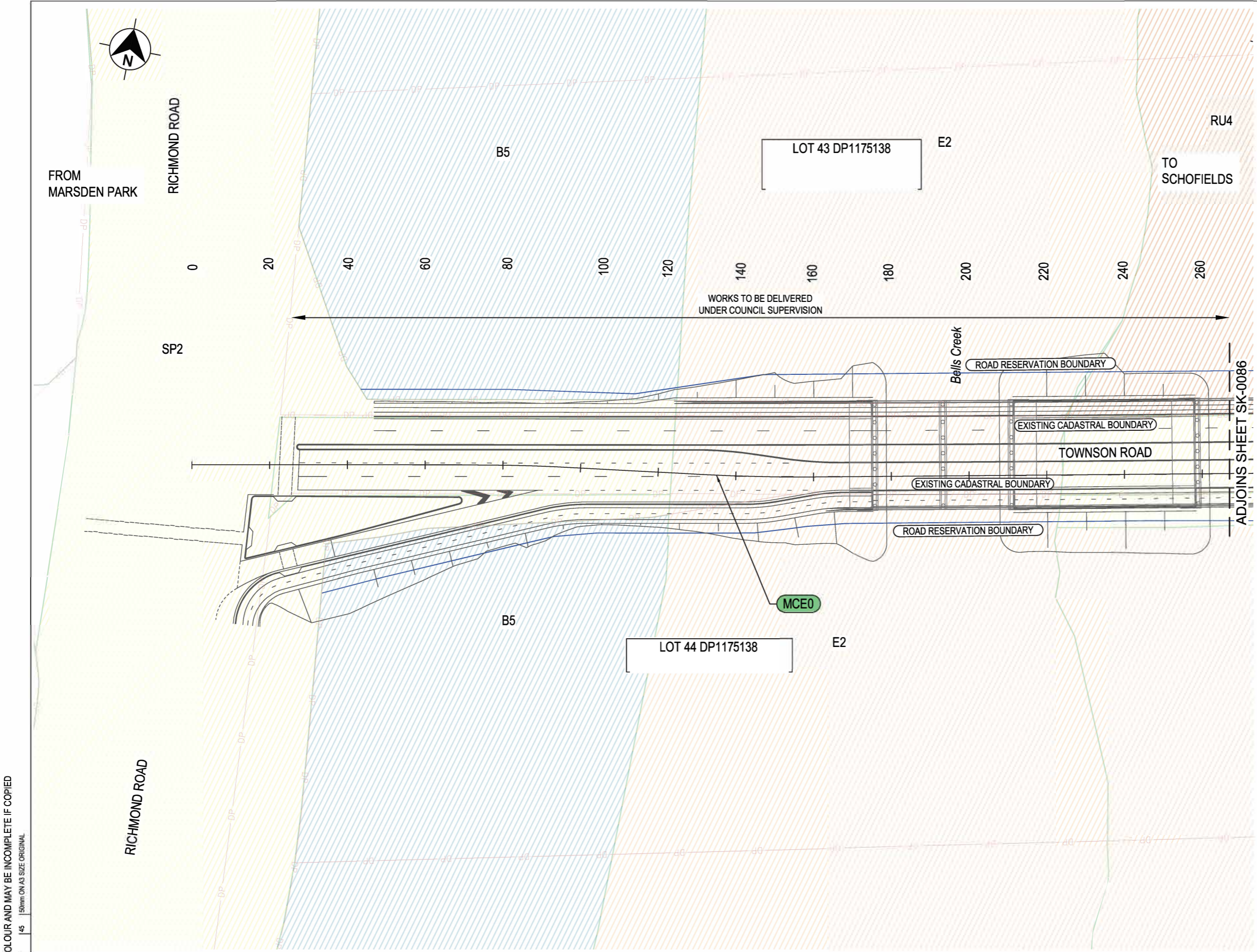
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					SCALE 1:100		DESIGN CHECK	A. HARROP	01.12.20	
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
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DESIGN CHECK	A. HARROP	01.12.20																																		
DESIGN MNGR	A. HARROP	01.12.20																																		
PROJECT MNGR	M. RODRIGO	01.12.20																																		
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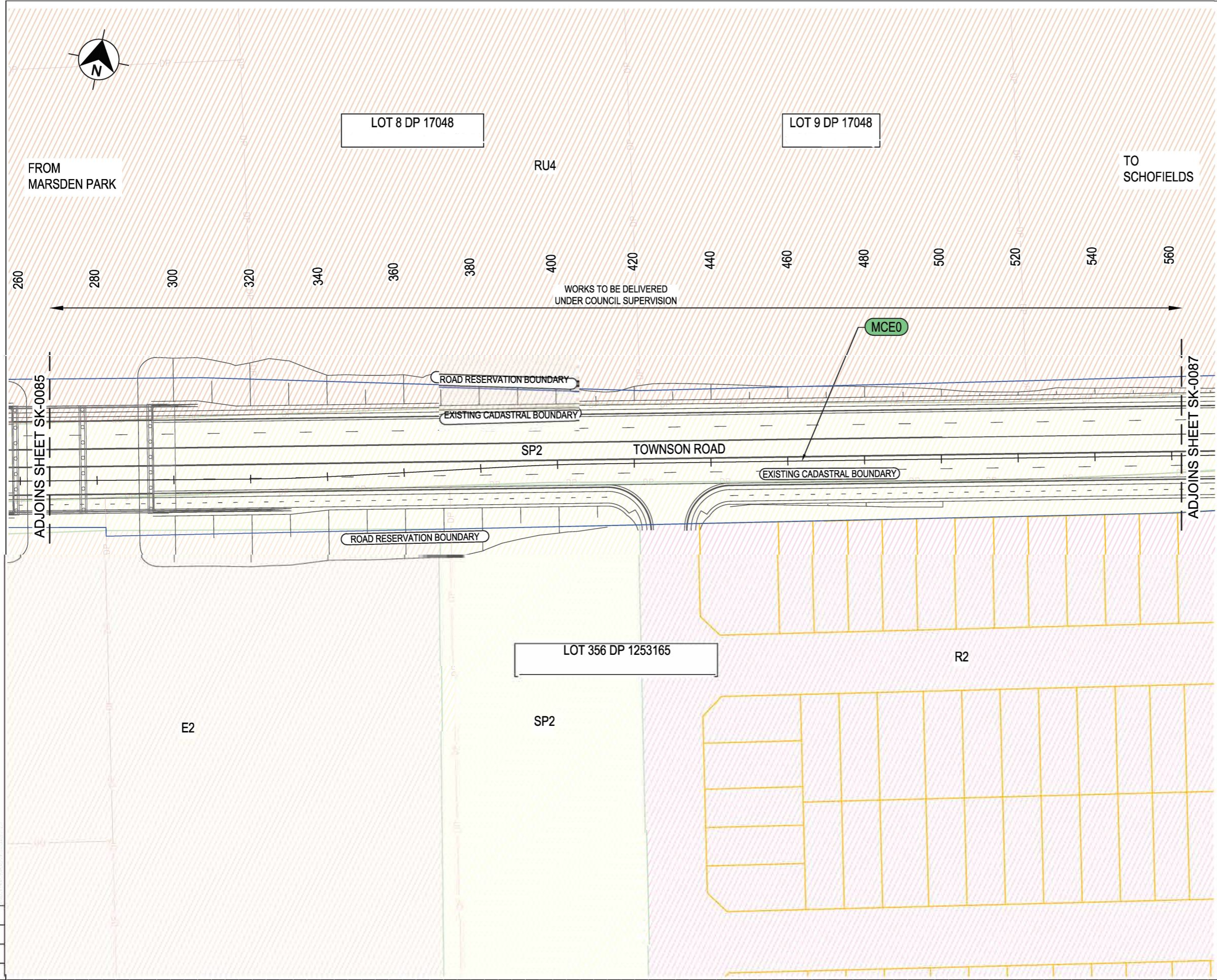


LEGEND

	DP	CADASTRAL BOUNDARY (FROM DP)
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		TEMPORARY ROAD RESERVE
		LUXELAND DEVELOPMENT
	B5	LAND ZONING CATEGORY

NOTES

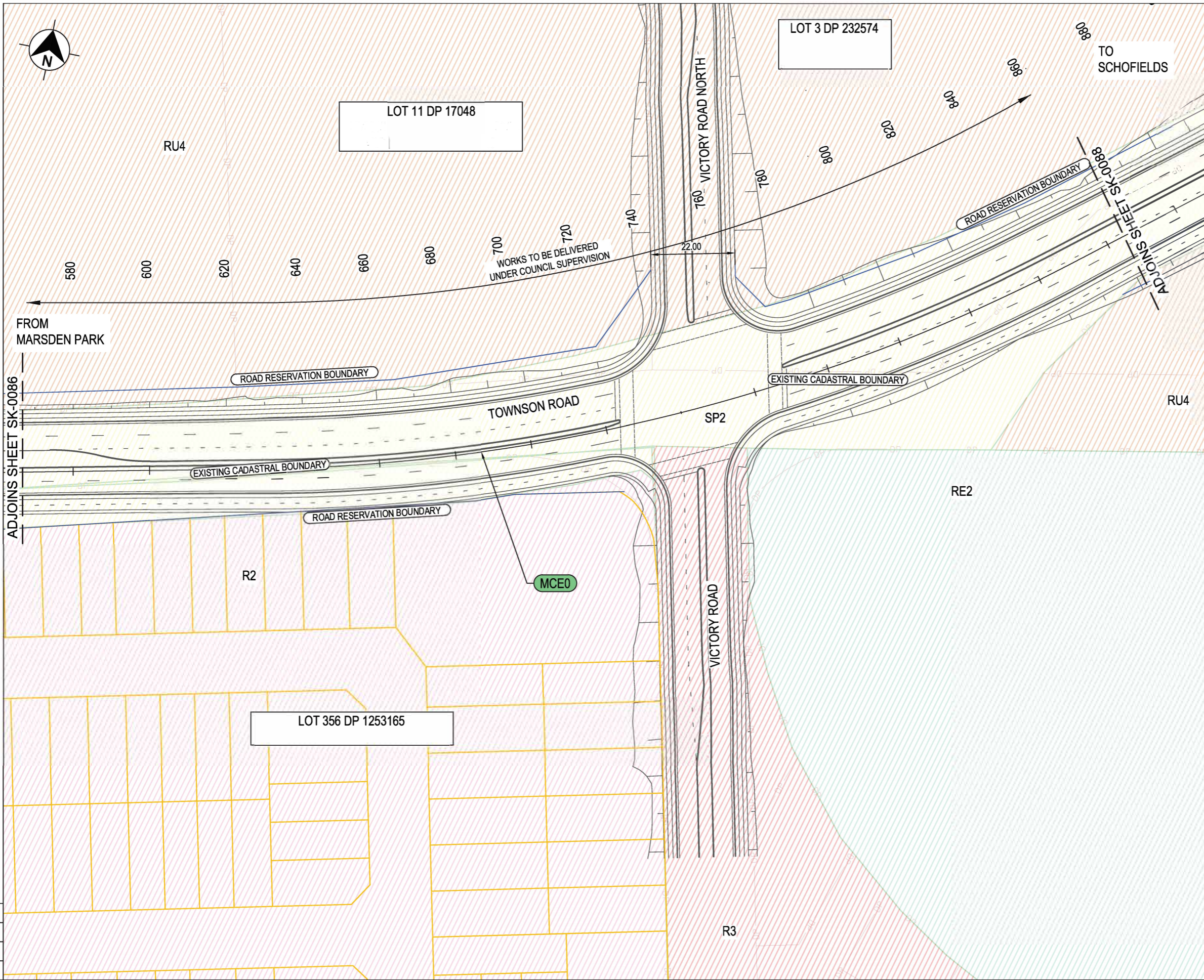
- ROAD RESERVATION BOUNDARY SUBJECT TO FINALISATION BY BLACKTOWN CITY COUNCIL AND UPON SETOUT FROM REGISTERED DEPOSITION PLANS.



NOT FOR CONSTRUCTION

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0 01.12.20 FOR INFORMATION		-	MF	SCALE 1:1000		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>TITLE</th> <th>NAME</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DRAWN</td> <td>K. GORDON</td> <td>01.12.20</td> </tr> <tr> <td>DRG CHECK</td> <td>K. RANDELL</td> <td>01.12.20</td> </tr> <tr> <td>DESIGN</td> <td>J. KIRSCHNER</td> <td>01.12.20</td> </tr> <tr> <td>DESIGN CHECK</td> <td>A. HARROP</td> <td>01.12.20</td> </tr> <tr> <td>DESIGN MNGR</td> <td>A. HARROP</td> <td>01.12.20</td> </tr> <tr> <td>PROJECT MNGR</td> <td>M. RODRIGO</td> <td>01.12.20</td> </tr> </tbody> </table>			TITLE	NAME	DATE	DRAWN	K. GORDON	01.12.20	DRG CHECK	K. RANDELL	01.12.20	DESIGN	J. KIRSCHNER	01.12.20	DESIGN CHECK	A. HARROP	01.12.20	DESIGN MNGR	A. HARROP	01.12.20	PROJECT MNGR	M. RODRIGO	01.12.20
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PREPARED FOR WESTERN SYDNEY PROGRAM OFFICE						SHEET 2 OF 6																							
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- LEGEND**
- DP — CADASTRAL BOUNDARY (FROM DP)
 - ROAD RESERVATION BOUNDARY
 - - - TEMPORARY ROAD RESERVE
 - LUXELAND DEVELOPMENT
 - B5 LAND ZONING CATEGORY

- NOTES**
- ROAD RESERVATION BOUNDARY SUBJECT TO FINALISATION BY BLACKTOWN CITY COUNCIL AND UPON SET OUT FROM REGISTERED DEPOSITION PLANS.

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
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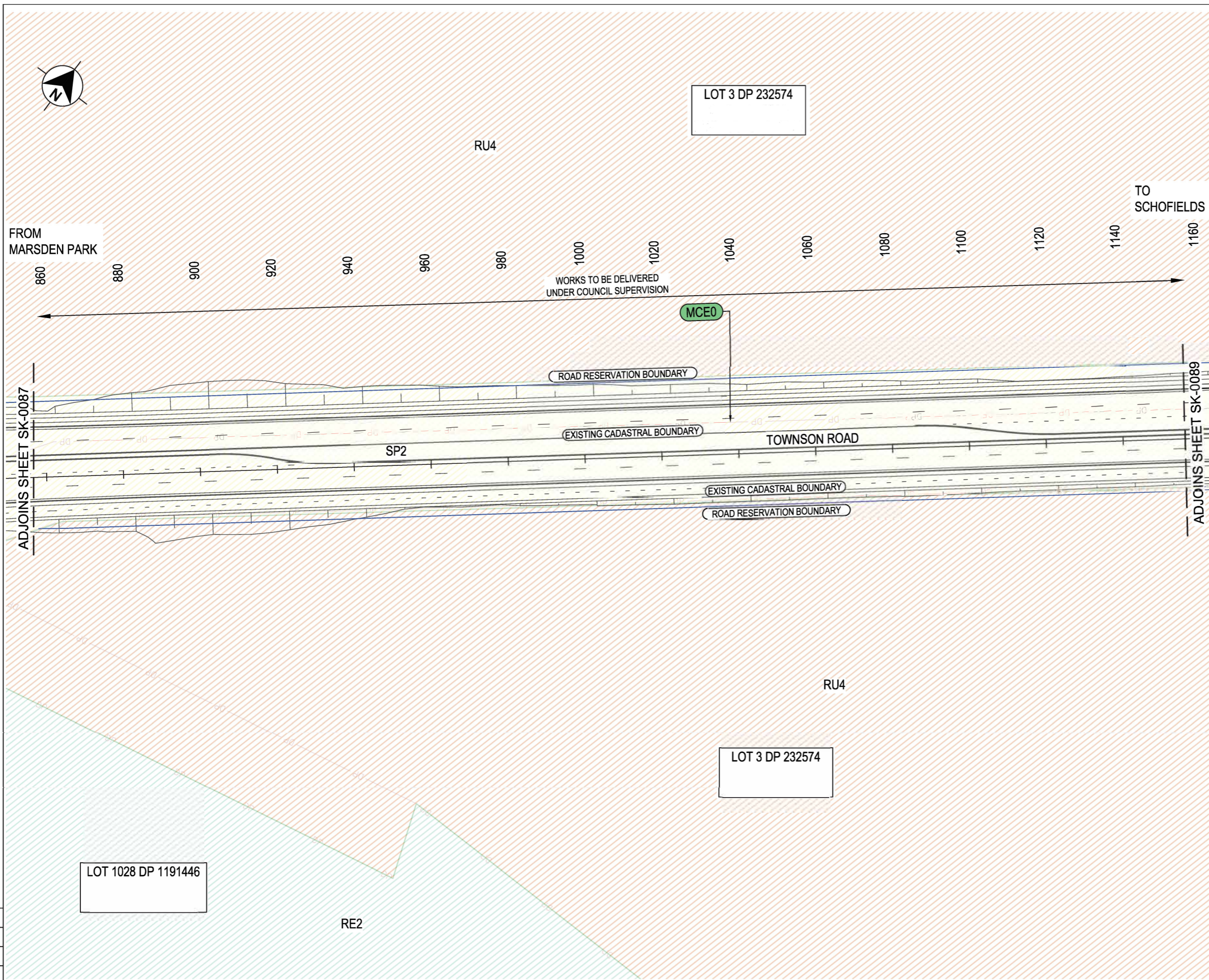


LEGEND

-  CADASTRAL BOUNDARY (FROM DP)
-  ROAD RESERVATION BOUNDARY
-  TEMPORARY ROAD RESERVE
-  LUXELAND DEVELOPMENT
-  LAND ZONING CATEGORY

NOTES

1. ROAD RESERVATION BOUNDARY SUBJECT TO FINALISATION BY BLACKTOWN CITY COUNCIL AND UPON SETOUT FROM REGISTERED DEPOSITION PLANS.








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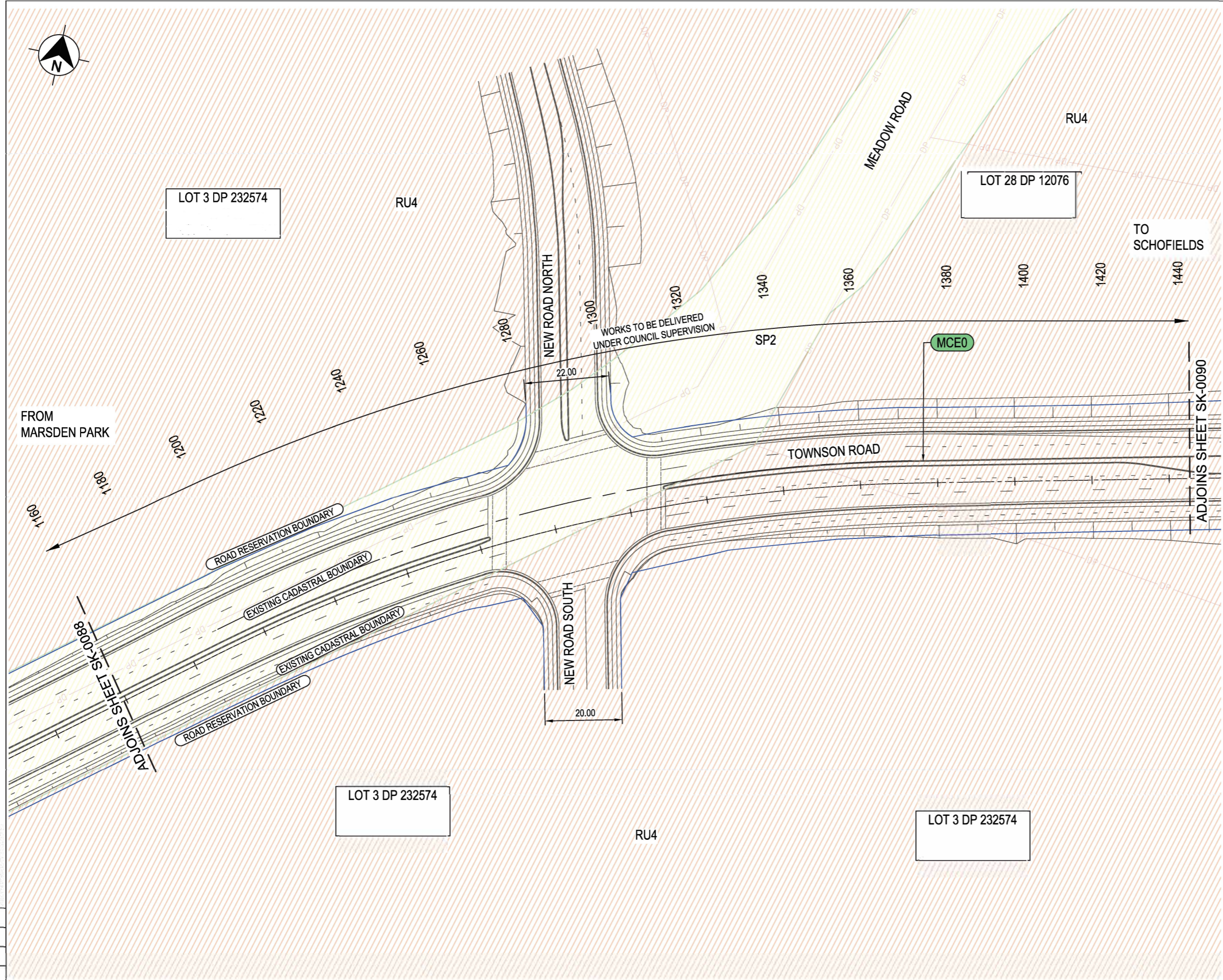


LEGEND

	CADASTRAL BOUNDARY (FROM DP)
	ROAD RESERVATION BOUNDARY
	TEMPORARY ROAD RESERVE
	LUXELAND DEVELOPMENT
	LAND ZONING CATEGORY

NOTES

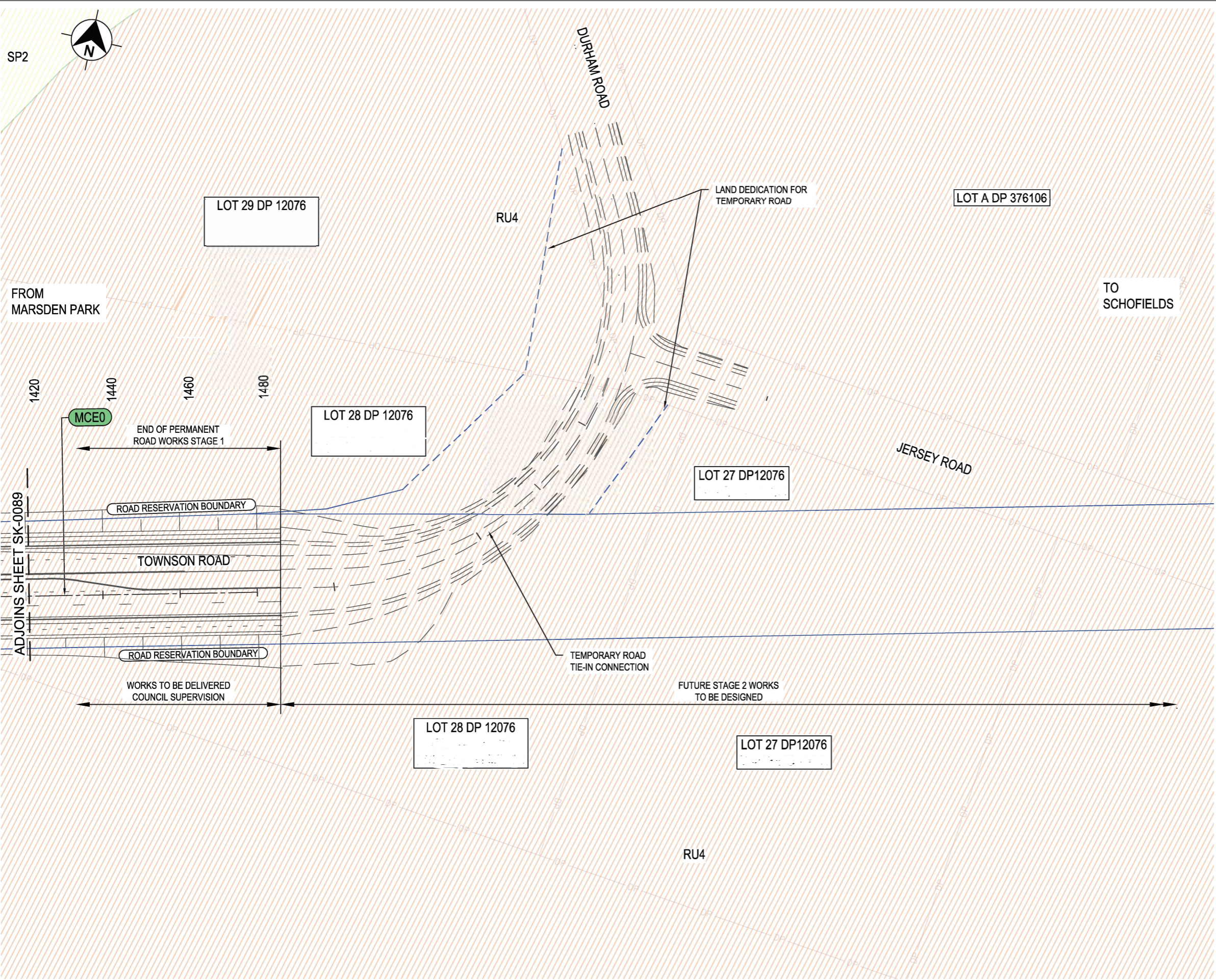
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M. RODRIGO		M. RODRIGO		01.12.20		MGA ZONE 56		AHD		7		7	



LEGEND

	DP	CADASTRAL BOUNDARY (FROM DP)
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		TEMPORARY ROAD RESERVE
		LUXELAND DEVELOPMENT
	B5	LAND ZONING CATEGORY

NOTES

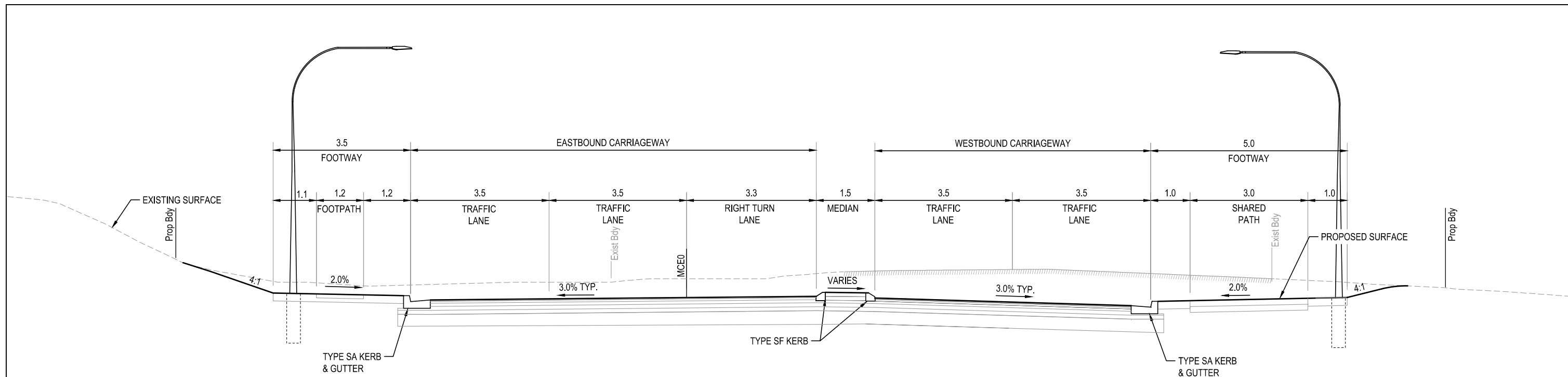
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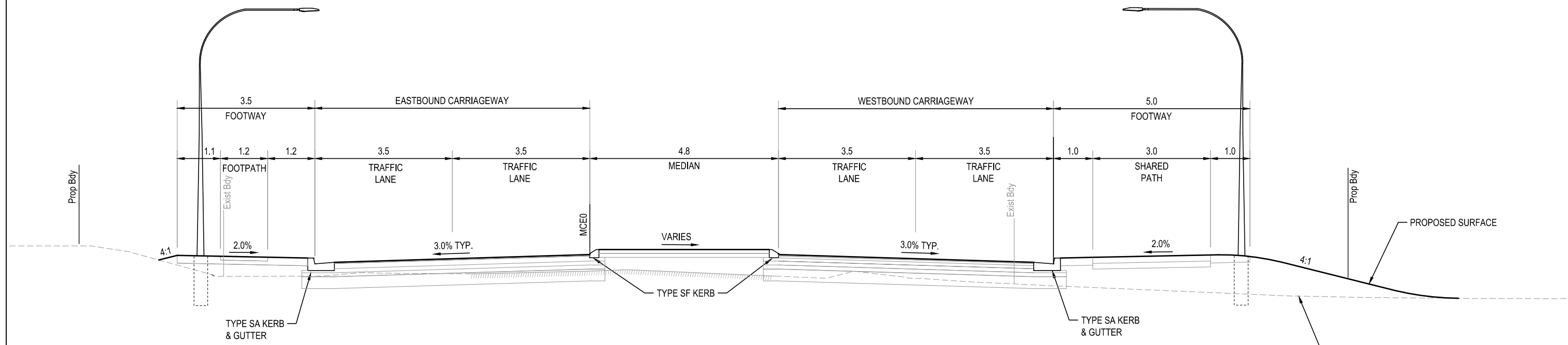
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TYPICAL SECTION AT CH.600 TO CH.720 AND
CH.1115 AND CH.1250
(MCE0) - TOWNSON ROAD
SCALE 1:100

- NOTES**
1. PROJECT BOUNDARY SUBJECT TO AGREEMENT AND CONFIRMATION.
 2. STREET LIGHTS ARE SHOWN INDICATIVE ONLY.



TYPICAL SECTION AT CH.175 TO CH.570, CH.930 TO CH.1080 AND
CH.1455 TO END OF STAGE 1
(MCE0) - TOWNSON ROAD
SCALE 1:100

NOT FOR CONSTRUCTION

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150mm ON A3 SIZE ORIGINAL

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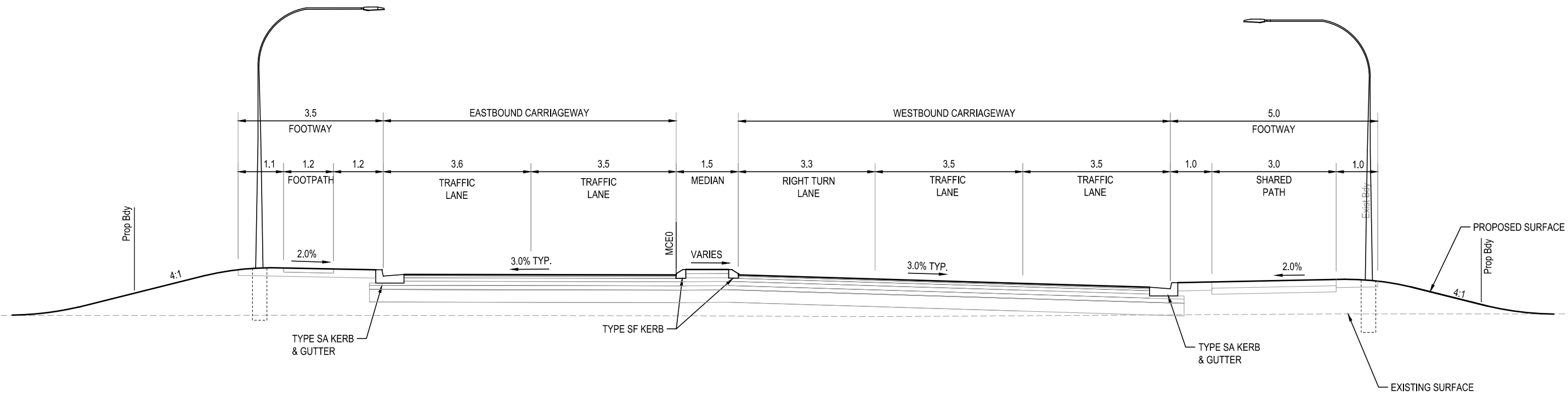


STAGE 1
RICHMOND ROAD MARSDEN PARK TO JERSEY ROAD
INDICATIVE TYPICAL SECTIONS
ULTIMATE 4 LANE
SHEET 1 OF 6

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150mm ON A3 SIZE ORIGINAL

- NOTES**
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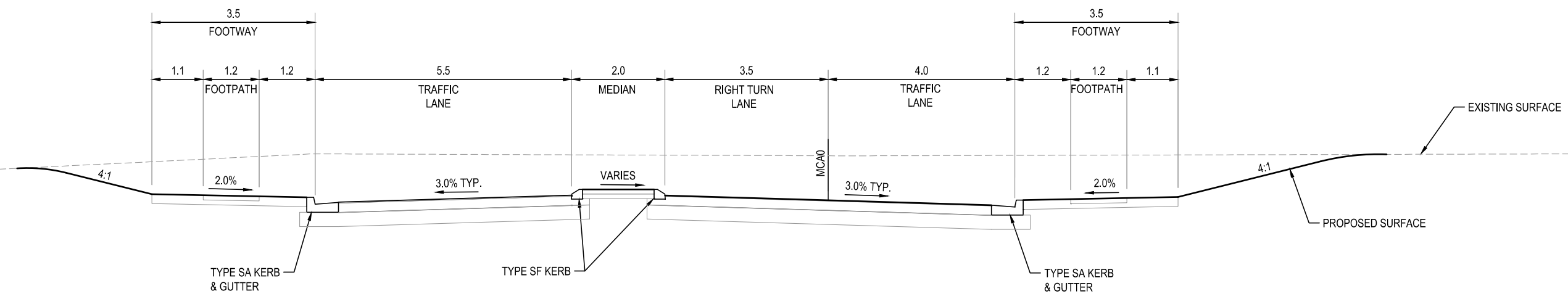


TYPICAL SECTION AT CH.770 TO CH.900 AND
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(MCE0) - TOWNSON ROAD
SCALE 1:100

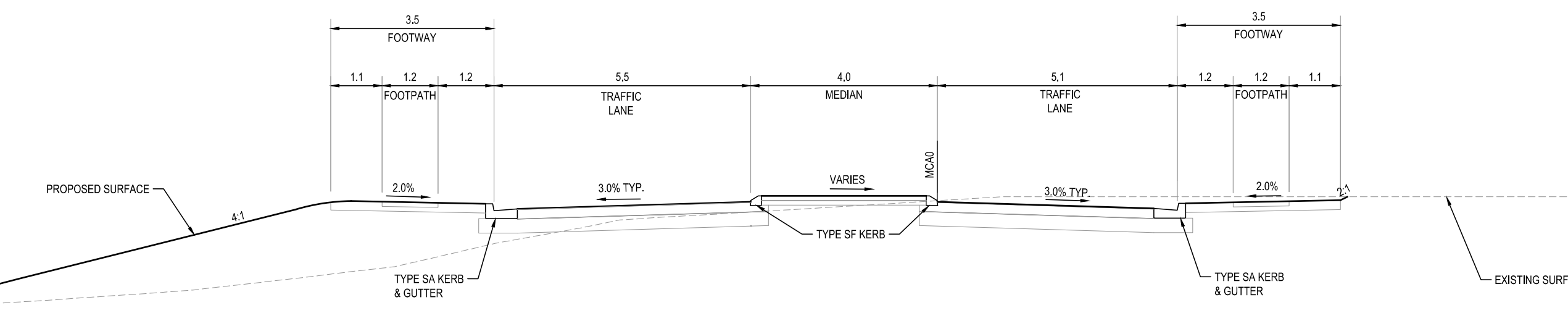
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NOTE
1. PROJECT BOUNDARY SUBJECT TO AGREEMENT AND CONFIRMATION



TYPICAL SECTION AT CH.18 TO CH.74
(MCA0) - VICTORY ROAD NORTH
SCALE 1:100



TYPICAL SECTION AT CH.110 TO CH.147
(MCA0) - VICTORY ROAD NORTH
SCALE 1:100

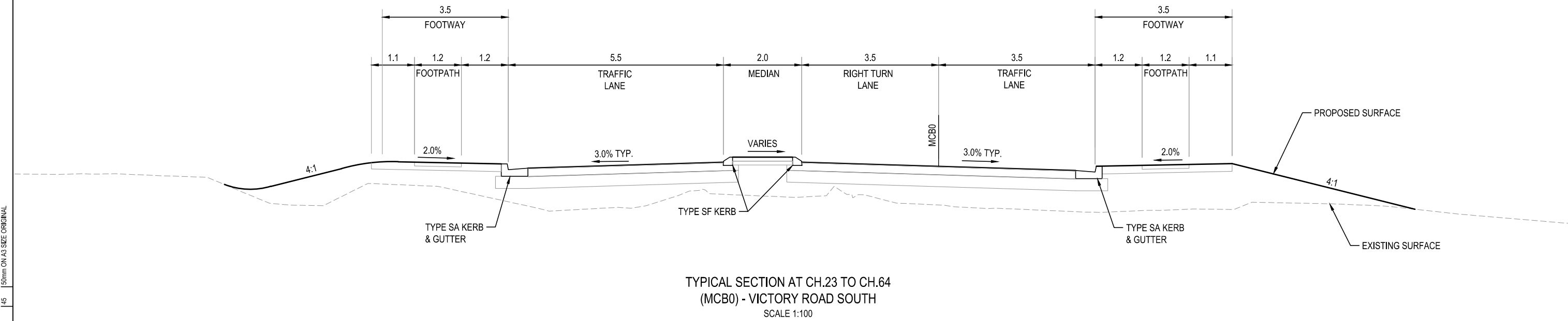
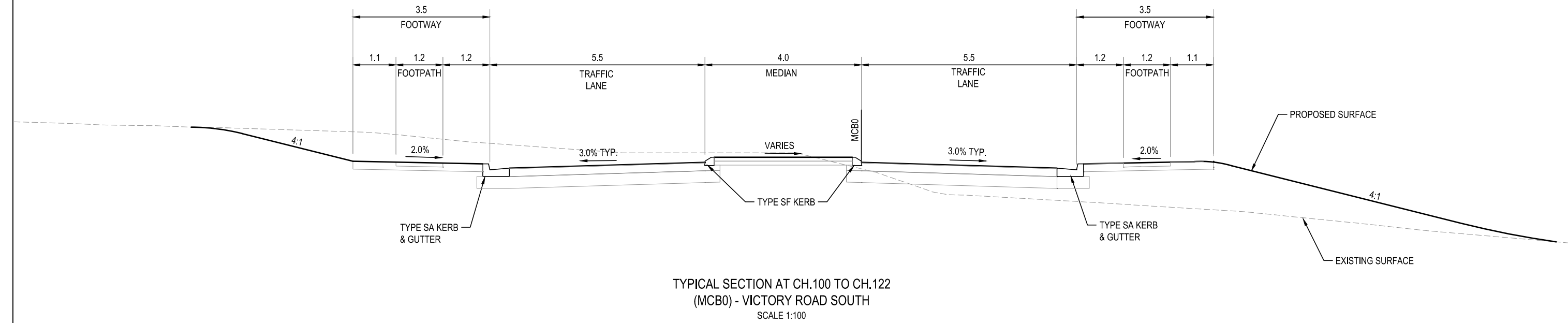
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NOTE

1. PROJECT BOUNDARY SUBJECT TO AGREEMENT AND CONFIRMATION



NOT FOR CONSTRUCTION

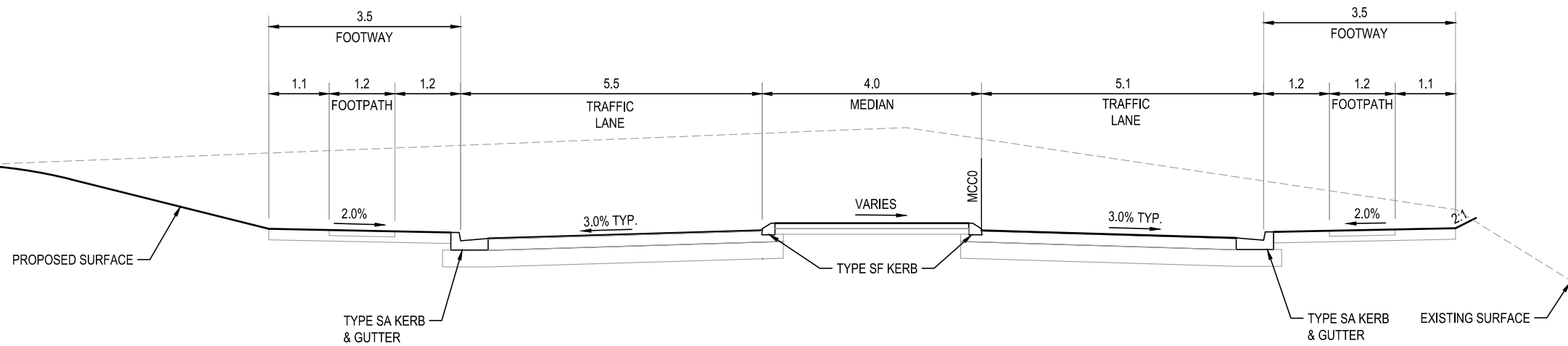
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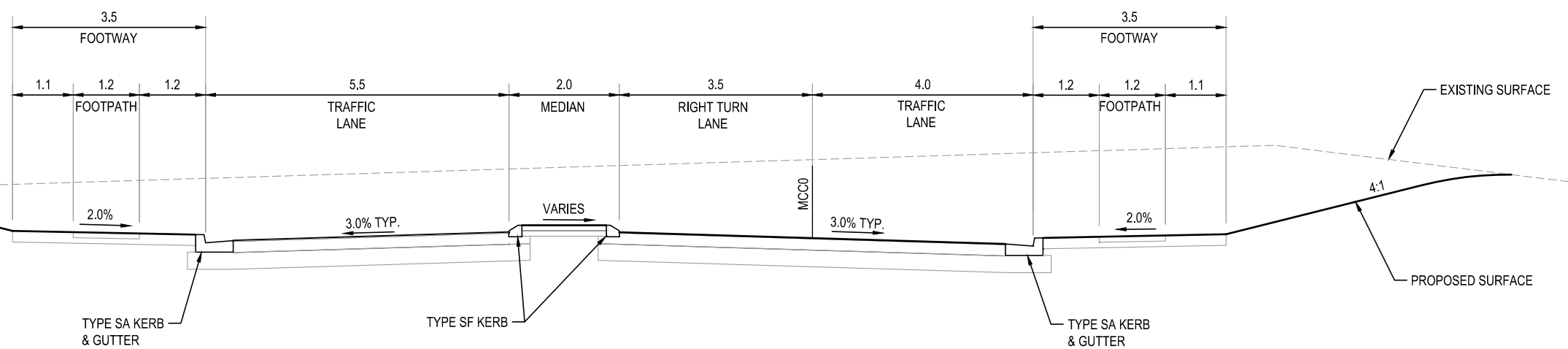
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										GHD		GHD Pty Ltd		ISSUE STATUS FOR INFORMATION	
												EDMS No. SF2018/0243946		SHEET No. SK-0094	
												ISSUE No. 0		ISSUE 0	

NOTE

1. PROJECT BOUNDARY SUBJECT TO AGREEMENT AND CONFIRMATION



TYPICAL SECTION AT CH.97 TO CH.117
(MCC0) - NEW ROAD NORTH
SCALE 1:100



TYPICAL SECTION AT CH.18 TO CH.72
(MCC0) - NEW ROAD NORTH
SCALE 1:100

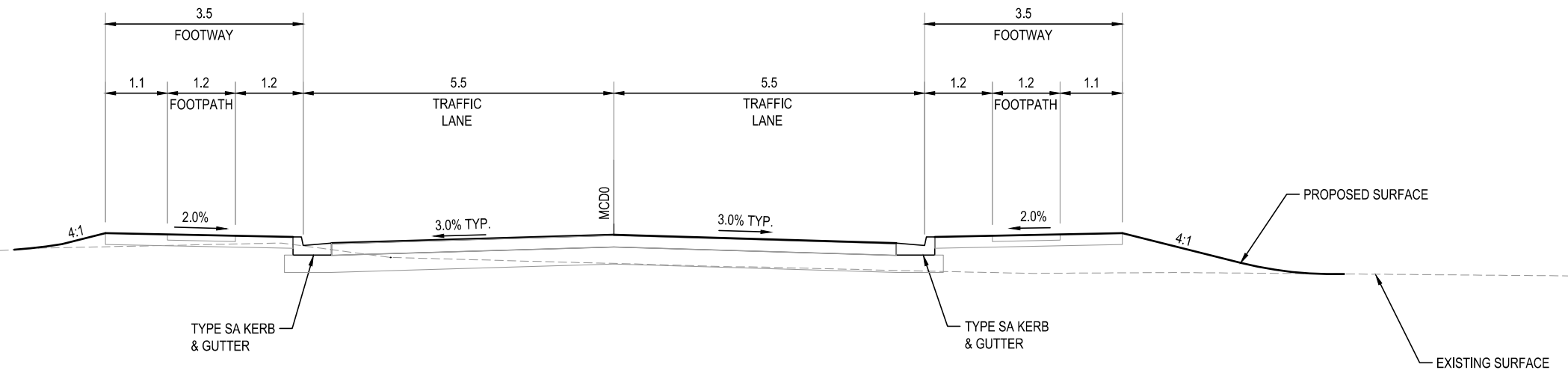
NOT FOR CONSTRUCTION

THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED

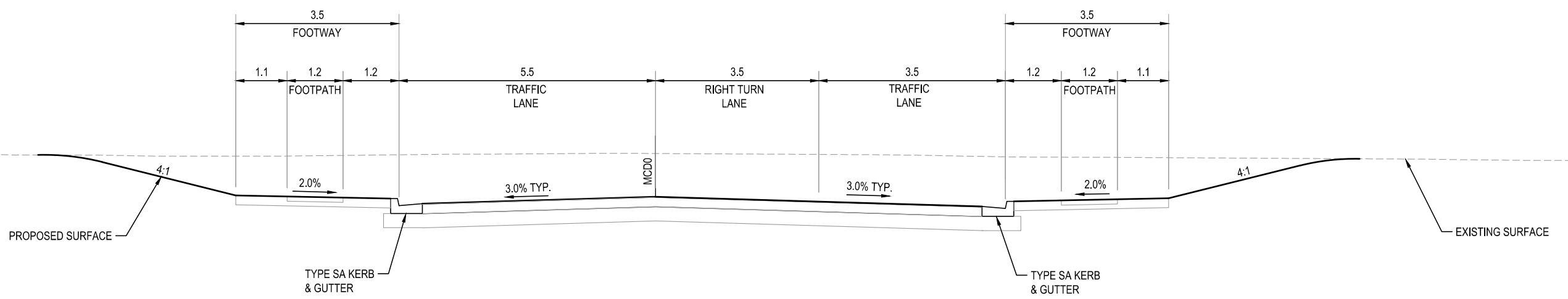
DRAWING FILE LOCATION / NAME C:\pwwork\p-01-pw-001\ghd\pac01\prod\dms1706012511195-DC-SK-0095.dwg		DESIGN LOT CODE	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING	PLOT DATE / TIME 12/1/2020 2:29 PM	PLOT BY krandell	CLIENT	BLACKTOWN CITY COUNCIL TOWNSON ROAD STAGE 1 RICHMOND ROAD MARSDEN PARK TO JERSEY ROAD INDICATIVE TYPICAL SECTIONS ULTIMATE 4 LANE	A3		
REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING	DRAWINGS / DESIGN PREPARED BY	TITLE	NAME	DATE	
0	01.12.20	FOR INFORMATION	-	MF	SCALE 1:100		DRAWN	K. GORDON	01.12.20	
					SCALE 1:100		DRG CHECK	K. RANDELL	01.12.20	
					SCALE 1:100		DESIGN	J. KIRSCHNER	01.12.20	
					SCALE 1:100		DESIGN CHECK	A. HARROP	01.12.20	
					SCALE 1:100		DESIGN MNGR	A. HARROP	01.12.20	
					SCALE 1:100		PROJECT MNGR	M. RODRIGO	01.12.20	
CO-ORDINATE SYSTEM		HEIGHT DATUM		GHD Pty Ltd		PREPARED FOR WESTERN SYDNEY PROGRAM OFFICE		RMS REGISTRATION No. DS2018/001093		
						ISSUE STATUS FOR INFORMATION		EDMS No. SF2018/0243946	SHEET No. SK-0094	ISSUE 0

NOTE

- PROJECT BOUNDARY SUBJECT TO AGREEMENT AND CONFIRMATION



TYPICAL SECTION AT CH.85 TO CH.122
(MCD0) - NEW ROAD SOUTH
SCALE 1:100



TYPICAL SECTION AT CH.20 TO CH.48
(MCD0) - NEW ROAD SOUTH
SCALE 1:100

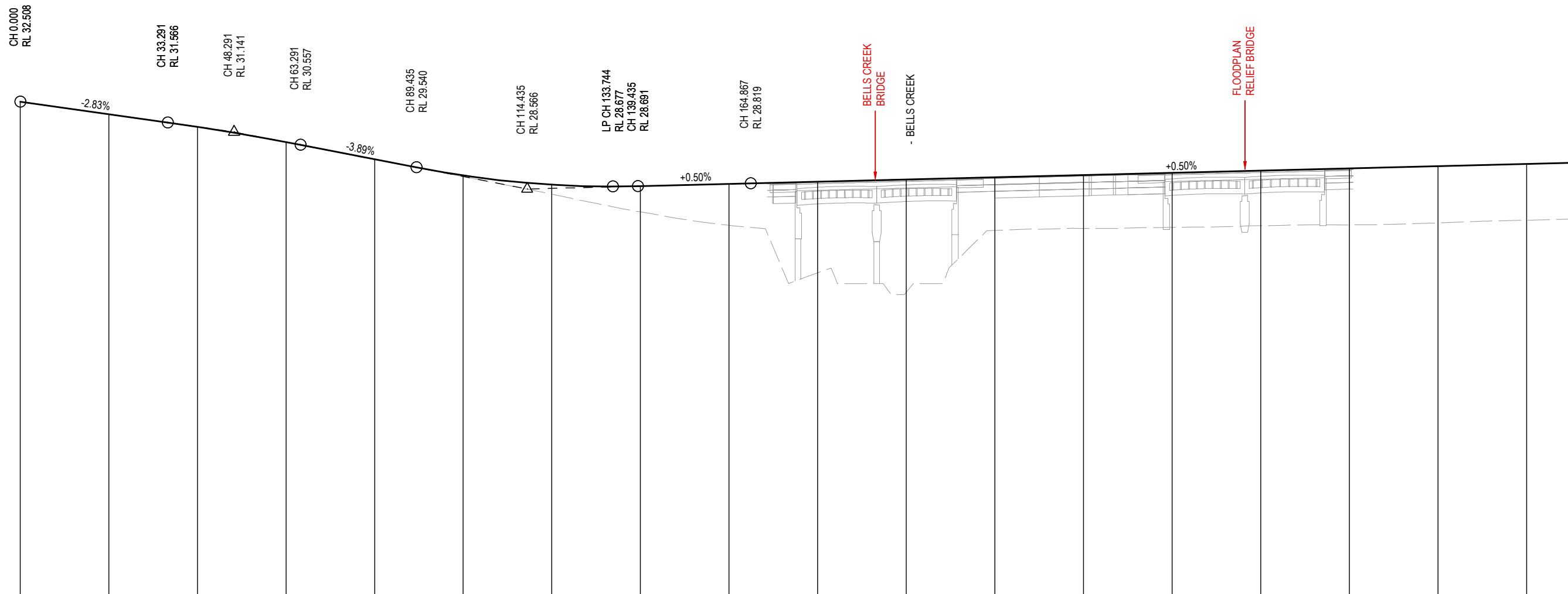
NOT FOR CONSTRUCTION

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DRAWING FILE LOCATION / NAME C:\pwork\p-01-pw-001\ghdapac01prod\lms1706012511195-DC-SK-0096.dwg		DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME 12/1/2020 2:32 PM		PLOT BY krandell		CLIENT		BLACKTOWN CITY COUNCIL TOWNSON ROAD STAGE 1 RICHMOND ROAD MARSDEN PARK TO JERSEY ROAD INDICATIVE TYPICAL SECTIONS ULTIMATE 4 LANE SHEET 6 OF 6		A3					
REV		DATE		AMENDMENT / REVISION DESCRIPTION		WVR No.		APPROVAL		SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE		NAME		DATE	
0		01.12.20		FOR INFORMATION		-		MF		SCALE 1:100		GHD		DRAWN		K. GORDON		01.12.20	
										SCALE 1:100		GHD		DRG CHECK		K. RANDELL		01.12.20	
										SCALE 1:100		GHD		DESIGN		J. KIRSCHNER		01.12.20	
										SCALE 1:100		GHD		DESIGN CHECK		A. HARROP		01.12.20	
										SCALE 1:100		GHD		DESIGN MNGR		A. HARROP		01.12.20	
										SCALE 1:100		GHD		PROJECT MNGR		M. RODRIGO		01.12.20	
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										SCALE 1:100		GHD		ISSUE STATUS		FOR INFORMATION		EDMS No.	
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										SCALE 1:100									

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150mm ON A3 SIZE ORIGINAL



DATUM RL 10

VERTICAL ALIGNMENT	G=-2.83% L = 33.291		K = -28.245 L = 30.000		G=-3.89% L = 26.144		K = 11.382 L = 50.000		G=0.50% L = 25.432		G=0.50% L = 193.747																		
HORIZONTAL ALIGNMENT	L = 72.013				R = 500.000 L = 25.978		L = 32.414		R = 500.000 L = 30.600		L = 158.114		R = 500.000 L = 22.974		L = 46.935														
SUPERELEVATION	-----																												
CUT / FILL	0.000	0.001	-0.004	-0.000	-0.011	-0.054	-0.432	-1.163	-1.867	-4.112	-5.080	-2.395	-2.400	-2.450	-2.485	-2.540	-2.550	-2.530	-2.520										
DESIGN SURFACE LEVELS	32.508	31.942	31.368	30.684	29.907	29.177	28.760	28.684	28.794	28.894	28.994	29.094	29.194	29.294	29.394	29.494	29.594	29.694	29.744										
EXISTING SURFACE LEVELS	32.508	31.944	31.364	30.674	29.896	29.124	28.328	27.532	26.928	24.783	23.900	26.699	26.788	26.837	26.910	26.946	27.036	27.156	27.216										
CHAINAGE	0.000	20	33.291	40	60	63.291	72.013	80	89.435	97.991	100	120	130.405	140	139.435	160	161.005	180	200	220	240	260	280	300	319.119	320	340	342.093	350.000

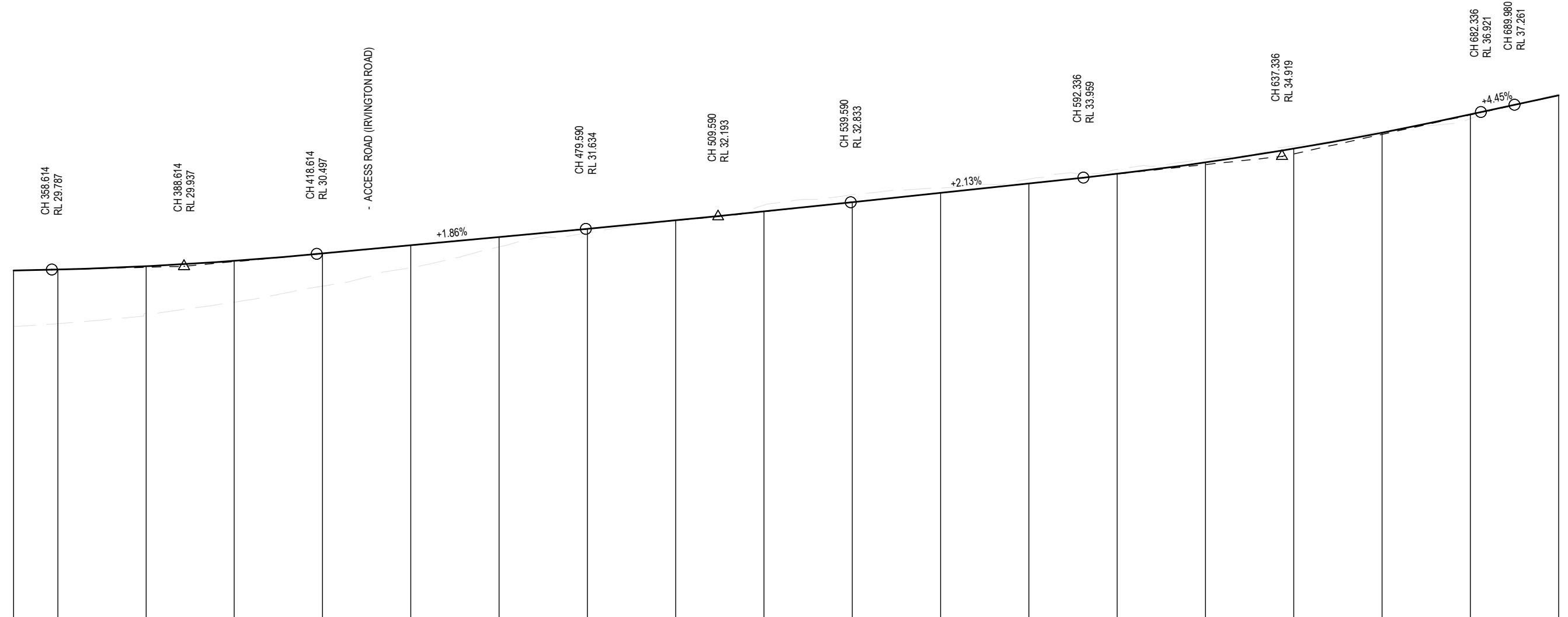
DESIGN CONTROL MCE0 - TOWNSON ROAD LONGITUDINAL SECTION
SCALE - HORIZ. 1:1000, VERT. 1:200

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME C:\Users\krandell\Documents\IPWISE TRANSFER\12511195-DC-RD-1301.dwg		DESIGN LOT CODE	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING	PLOT DATE / TIME 5/14/2020 10:52 AM	PLOT BY krandell	CLIENT	BLACKTOWN CITY COUNCIL TOWNSON ROAD TO BURDEKIN ROAD LINK	A3		
REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING	DRAWINGS / DESIGN PREPARED BY	TITLE	NAME	DATE	
0	03.10.19	ISSUED FOR 50% CONCEPT DESIGN	N/A	ME	HORIZ. 1:1000 VERT. 1:200	LEVEL 6, 20 SMITH STREET PARRAMATTA NSW 2150 AUSTRALIA PO BOX 788 PARRAMATTA NSW 2124 T 61 2 8898 8800 F 61 2 8898 8810 E SYDMAIL@GHD.COM.AU W WWW.GHD.COM.AU	DRAWN	K. GORDON	03.10.19	
1	16.12.19	REISSUED FOR 50% CONCEPT DESIGN	N/A	ME			DRG CHECK	K. RANDELL	03.10.19	
2	14.05.20	ISSUED FOR 100% CONCEPT/20% DETAIL DESIGN	N/A	MF			DESIGN	J. KIRSCHNER	03.10.19	
					CO-ORDINATE SYSTEM MGA ZONE 92	HEIGHT DATUM AHD	DESIGN CHECK	M. RODRIGO	03.10.19	
							DESIGN MNGR	A. HARROP	03.10.19	
							PROJECT MNGR	M. RODRIGO	03.10.19	
							WESTERN SYDNEY PROGRAM OFFICE	RMS REGISTRATION No. DS2018/001093		
							ISSUE STATUS 100% CONCEPT DESIGN	EDMS No. SF2018/0243946	SHEET No. RD-1301	ISSUE 2

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150mm ON A3 SIZE ORIGINAL


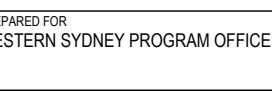



DATUM RL 14

VERTICAL ALIGNMENT	G=0.50% L = 193.747		K = 43.963 L = 60.000		G=1.86% L = 60.976		K = 223.014 L = 60.000		G=2.13% L = 52.746		K = 38.875 L = 90.000		G=4.45% L = 7.644		K = -21.232 L = 190.000										
HORIZONTAL ALIGNMENT	L = 46.935		R = 500.000 L = 20.154		L = 218.893										R = 475.000 L = 222.315										
SUPERELEVATION	-3.0% L -3.0% R																								
CUT / FILL	-2.528	-2.459	-2.133	-1.874	-1.486	-1.019	-0.450	-0.186	0.008	0.286	0.335	0.199	0.197	0.198	0.151	0.122	0.070	-0.189	0.077						
DESIGN SURFACE LEVELS	29.744	29.794	29.946	30.189	30.523	30.896	31.268	31.641	32.024	32.424	32.842	33.269	33.696	34.130	34.648	35.268	35.992	36.818	37.683						
EXISTING SURFACE LEVELS	27.216	27.335	27.813	28.315	29.036	29.876	30.819	31.455	32.031	32.710	33.178	33.468	33.892	34.328	34.799	35.390	36.061	36.629	37.761						
CHAINAGE	350.000	358.614 360	380	389.028	400	409.182	418.614 420	440	460	479.590 480	500	520	539.590 540	560	580	592.336	600	620	628.075	640	660	680	682.336	689.980	700.000

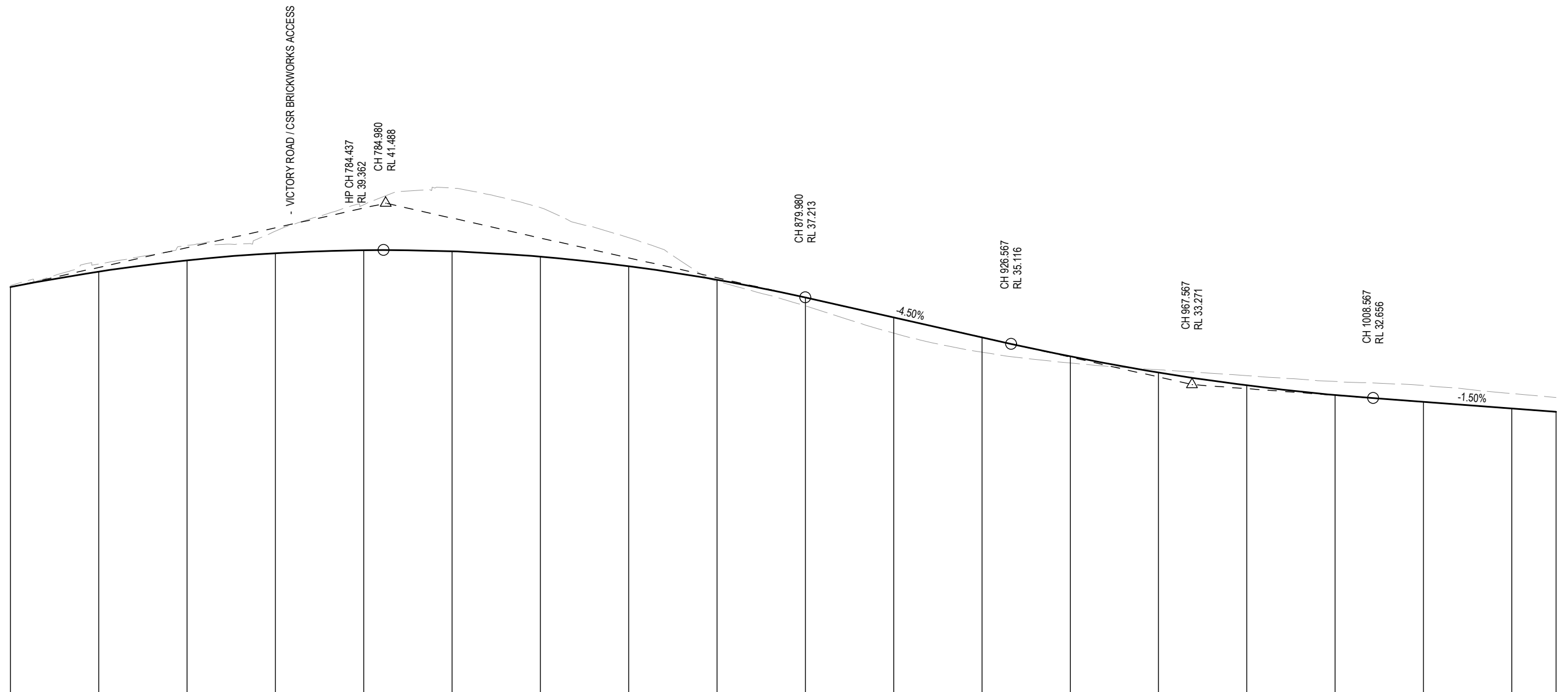
DESIGN CONTROL MCE0 - TOWNSON ROAD LONGITUDINAL SECTION
SCALE - HORIZ. 1:1000, VERT. 1:200

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME C:\Users\krandell\Documents\IPWISE TRANSFER\12511195-DC-RD-1302.dwg		DESIGN LOT CODE	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME 5/14/2020 10:52 AM	PLOT BY krandell	CLIENT	BLACKTOWN CITY COUNCIL TOWNSON ROAD TO BURDEKIN ROAD LINK STAGE 1 RICHMOND ROAD MARSDEN PARK TO JERSEY ROAD ROAD ALIGNMENT & DETAIL (RD) TOWNSON ROAD LONGITUDINAL SECTIONS (MCE0) SHEET 2 OF 5		A3				
REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING	DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	 			
0	03.10.19	ISSUED FOR 50% CONCEPT DESIGN	N/A	ME	HORIZ. 1:1000 VERT. 1:200	 LEVEL 6, 20 SMITH STREET PARRAMATTA NSW 2150 AUSTRALIA PO BOX 788 PARRAMATTA NSW 2124 T 61 2 8898 8800 F 61 2 8898 8810 E SYDMAIL@GHD.COM.AU W WWW.GHD.COM.AU		DRAWN	K. GORDON	03.10.19				
1	16.12.19	REISSUED FOR 50% CONCEPT DESIGN	N/A	ME				DRG CHECK	K. RANDELL	03.10.19	PREPARED FOR WESTERN SYDNEY PROGRAM OFFICE			
2	14.05.20	ISSUED FOR 100% CONCEPT/20% DETAIL DESIGN	N/A	MF				DESIGN	J. KIRSCHNER	03.10.19				
								DESIGN CHECK	M. RODRIGO	03.10.19				
								DESIGN MNGR	A. HARROP	03.10.19	RMS REGISTRATION No. DS2018/001093			
								PROJECT MNGR	M. RODRIGO	03.10.19				
					CO-ORDINATE SYSTEM MGA ZONE 93	HEIGHT DATUM AHD					ISSUE STATUS 100% CONCEPT DESIGN	EDMS No. SF2018/0243946	SHEET No. RD-1302	ISSUE 2

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150mm ON A3 SIZE ORIGINAL



VERTICAL ALIGNMENT	K = -21.232 L = 190.000															G=-4.50% L = 46.587			K = 27.333 L = 82.000			G=-1.50% L = 44.137			
HORIZONTAL ALIGNMENT	R = 475.000 L = 222.315										L = 18.354					L = 319.260									
SUPERELEVATION	----- -3.0% L -3.0% R -----																								
CUT / FILL	0.077	0.347	0.674	1.001	2.061	2.867	2.221	1.291	-0.066	-0.380	-0.713	-0.677	-0.299	0.123	0.445	0.610	0.740	0.675	0.645						
DESIGN SURFACE LEVELS	37.883	38.385	38.897	39.222	39.358	39.305	39.065	38.635	38.018	37.212	36.312	35.412	34.545	33.816	33.234	32.798	32.485	32.185	32.035						
EXISTING SURFACE LEVELS	37.761	38.731	39.572	40.223	41.419	42.172	41.285	39.927	37.952	36.831	35.599	34.735	34.246	33.939	33.679	33.408	33.225	32.860	32.679						
CHAINAGE	700.000	720	740	760	780	800	820	840	850.390	860	880.980	900	920	926.567	940	960	980	1000	1008.567	1020	1040	1050.000			

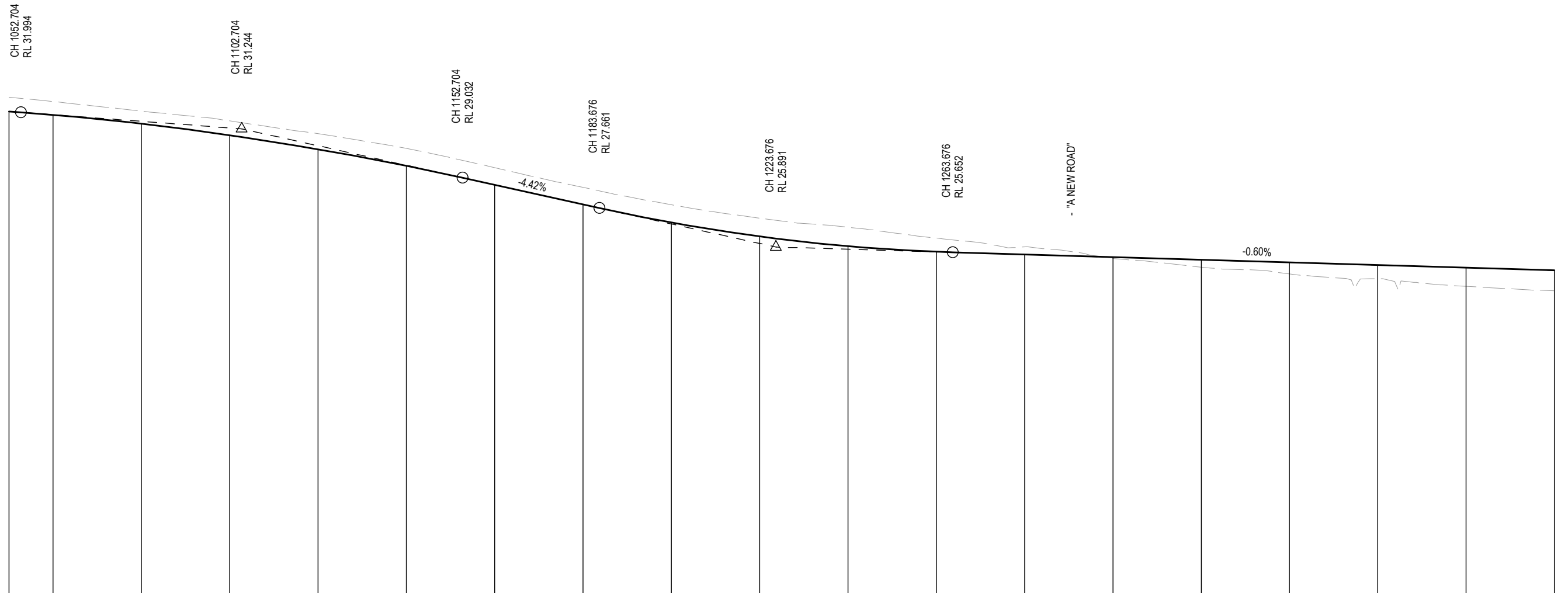
DESIGN CONTROL MCE0 - TOWNSON ROAD LONGITUDINAL SECTION
SCALE - HORIZ. 1:1000, VERT. 1:200

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME C:\Users\krandell\Documents\IPWISE TRANSFER\12511195-DC-RD-1303.dwg		DESIGN LOT CODE	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME 5/14/2020 10:53 AM	PLOT BY krandell	CLIENT	BLACKTOWN CITY COUNCIL TOWNSON ROAD TO BURDEKIN ROAD LINK	A3				
REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING	DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	 Transport for NSW	STAGE 1 RICHMOND ROAD MARSDEN PARK TO JERSEY ROAD ROAD ALIGNMENT & DETAIL (RD) TOWNSON ROAD LONGITUDINAL SECTIONS (MCE0)	SHEET 3 OF 5
0	03.10.19	ISSUED FOR 50% CONCEPT DESIGN	N/A	ME	HORIZ. 1:1000 VERT. 1:200	LEVEL 6, 20 SMITH STREET PARRAMATTA NSW 2150 AUSTRALIA PO BOX 788 PARRAMATTA NSW 2124 T 61 2 8898 8800 F 61 2 8898 8810 E SYDMAIL@GHD.COM.AU W WWW.GHD.COM.AU		DRAWN	K. GORDON	03.10.19			
1	16.12.19	REISSUED FOR 50% CONCEPT DESIGN	N/A	ME			DRG CHECK	K. RANDELL	03.10.19	PREPARED FOR	WESTERN SYDNEY PROGRAM OFFICE	ISSUE STATUS	100% CONCEPT DESIGN
2	14.05.20	ISSUED FOR 100% CONCEPT/20% DETAIL DESIGN	N/A	MF	CO-ORDINATE SYSTEM MGA ZONE 94	HEIGHT DATUM AHD	DESIGN	J. KIRSCHNER	03.10.19	EDMS No.	SF2018/0243946	SHEET No.	RD-1303
							DESIGN CHECK	M. RODRIGO	03.10.19	ISSUE	2		
							DESIGN MNGR	A. HARROP	03.10.19				
							PROJECT MNGR	M. RODRIGO	03.10.19				

THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED

150mm ON A3 SIZE ORIGINAL



VERTICAL ALIGNMENT	G = -1.50% L = 44.137		K = -34.188 L = 100.000					G = -4.42% L = 30.972		K = 20.908 L = 80.000			G = -0.60% L = 137.019												
HORIZONTAL ALIGNMENT	L = 319.260										R = 420.000 L = 186.617			L = 96.080											
SUPERELEVATION	-----																								
CUT / FILL	0.645	0.605	0.572	0.550	0.703	0.792	0.780	0.771	0.804	0.831	0.862	0.622	0.345	0.068	-0.334	-0.518	-0.619	-0.842	-0.919						
DESIGN SURFACE LEVELS	32.035	31.877	31.476	30.958	30.322	29.570	28.709	27.824	27.003	26.369	25.928	25.677	25.554	25.454	25.314	25.195	25.075	24.955	24.836						
EXISTING SURFACE LEVELS	32.679	32.482	32.048	31.608	31.025	30.362	29.489	28.595	27.807	27.201	26.790	26.299	25.899	25.367	24.980	24.677	24.456	24.114	23.916						
CHAINAGE	1050.000	1052.704	1060	1080	1100	1120	1140	1152.704	1160	1180	1183.676	1188.003	1200	1220	1240	1260	1263.676	1280	1300	1320	1340	1360	1374.620	1380	1400.000

DESIGN CONTROL MCE0 - TOWNSON ROAD LONGITUDINAL SECTION
SCALE - HORIZ. 1:1000, VERT. 1:200

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME C:\Users\krandell\Documents\I\WISE TRANSFER\12511195-DC-RD-1304.dwg		DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING				PLOT DATE / TIME 5/14/2020 10:55 AM		PLOT BY krandell		CLIENT		BLACKTOWN CITY COUNCIL TOWNSON ROAD TO BURDEKIN ROAD LINK STAGE 1 RICHMOND ROAD MARSDEN PARK TO JERSEY ROAD ROAD ALIGNMENT & DETAIL (RD) TOWNSON ROAD LONGITUDINAL SECTIONS (MCE0) SHEET 4 OF 5		A3	
REV		DATE		AMENDMENT / REVISION DESCRIPTION				WVR No.		APPROVAL		SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY			
0		03.10.19		ISSUED FOR 50% CONCEPT DESIGN				N/A		ME		LEVEL 6, 20 SMITH STREET PARRAMATTA NSW 2150 AUSTRALIA PO BOX 788 PARRAMATTA NSW 2124 T 61 2 8898 8800 F 61 2 8898 8810 E SYDMAIL@GHD.COM.AU W WWW.GHD.COM.AU					
1		16.12.19		REISSUED FOR 50% CONCEPT DESIGN				N/A		ME		GHD					
2		14.05.20		ISSUED FOR 100% CONCEPT/20% DETAIL DESIGN				N/A		MF		CO-ORDINATE SYSTEM MGA ZONE 95					
												HEIGHT DATUM AHD					
												DRAWING TITLE DRAWN DRG CHECK DESIGN DESIGN CHECK DESIGN MNGR PROJECT MNGR					
												K. GORDON K. RANDELL J. KIRSCHNER M. RODRIGO A. HARROP M. RODRIGO					
												DATE 03.10.19 03.10.19 03.10.19 03.10.19 03.10.19 03.10.19					
												WESTERN SYDNEY PROGRAM OFFICE					
												RMS REGISTRATION No. DS2018/001093					
												ISSUE STATUS 100% CONCEPT DESIGN					
												EDMS No. SF2018/0243946					
												SHEET No. RD-1304					
												ISSUE 2					

THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED

150mm ON A3 SIZE ORIGINAL

CH 1400.695
RL 24.831

CH 1420.695
RL 24.712
LP CH 1421.159
RL 24.770

CH 1440.695
RL 24.826

CH 1574.097
RL 25.688

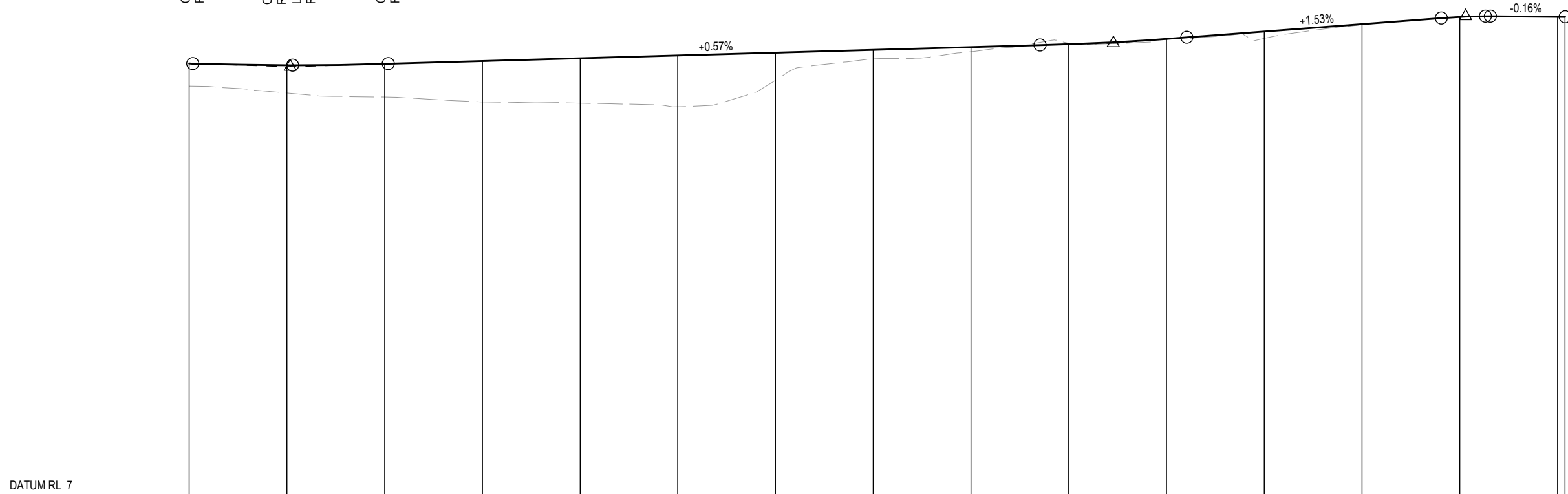
CH 1589.097
RL 25.674

CH 1604.097
RL 25.903

CH 1656.185
RL 26.698

CH 1661.185
RL 26.775
HP CH 1665.217
RL 26.767
CH 1666.185
RL 26.767

CH 1681.488
RL 26.742



VERTICAL ALIGNMENT	G=-0.60% L = 137.019		K = 34.181 L = 40.000		G=0.57% L = 133.402		K = 31.401 L = 30.000		G=1.53% L = 52.087		K = -5.915 L = 10.000		G=-0.16% L = 15.303					
HORIZONTAL ALIGNMENT	L = 96.080				Ls = 50.000		R = 80.000 L = 94.223		Ls = 50.000		L = 16.565							
SUPERELEVATION	-5.0% L / +5.0% R																	
CUT / FILL	-0.919	-1.139	-1.359	-1.670	-1.832	-2.092	-1.123	-0.361	-0.193	0.045	0.023	-0.280	-0.027	-0.012	0.000	0.000		
DESIGN SURFACE LEVELS	24.836	24.770	24.822	24.936	25.051	25.165	25.279	25.393	25.508	25.628	25.843	26.146	26.451	26.744	26.744	26.742		
EXISTING SURFACE LEVELS	23.916	23.631	23.463	23.266	23.218	23.073	24.156	25.032	25.315	25.673	25.866	25.866	26.425	26.733	26.744	26.742		
CHAINAGE	1400.000 1400.695	1420	1440 1440.695	1460	1470.700	1480	1500	1520 1520.700	1540	1560	1574.097	1580	1600 1604.097	1614.923	1620	1640	1656.185 1660 1664.923 1666.185	1680 1681.488

DESIGN CONTROL MCE0 - TOWNSON ROAD LONGITUDINAL SECTION
SCALE - HORIZ. 1:1000, VERT. 1:200

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME C:\Users\krandell\Documents\IPWISE TRANSFER\12511195-DC-RD-1305.dwg		DESIGN LOT CODE	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME 5/14/2020 10:56 AM	PLOT BY krandell	CLIENT	BLACKTOWN CITY COUNCIL TOWNSON ROAD TO BURDEKIN ROAD LINK	A3				
REV		DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY				STAGE 1 RICHMOND ROAD MARSDEN PARK TO JERSEY ROAD ROAD ALIGNMENT & DETAIL (RD) TOWNSON ROAD LONGITUDINAL SECTIONS (MCE0) SHEET 5 OF 5	
0		03.10.19	ISSUED FOR 50% CONCEPT DESIGN	N/A	ME	HORIZ. 1:1000 VERT. 1:200		LEVEL 6, 20 SMITH STREET PARRAMATTA NSW 2150 AUSTRALIA PO BOX 788 PARRAMATTA NSW 2124 T 61 2 8898 8800 F 61 2 8898 8810 E SYDMAIL@GHD.COM.AU W WWW.GHD.COM.AU		DRAWN K. GORDON 03.10.19 DRG CHECK K. RANDELL 03.10.19 DESIGN J. KIRSCHNER 03.10.19 DESIGN CHECK M. RODRIGO 03.10.19 DESIGN MNGR A. HARROP 03.10.19 PROJECT MNGR M. RODRIGO 03.10.19		PREPARED FOR WESTERN SYDNEY PROGRAM OFFICE	
1		16.12.19	REISSUED FOR 50% CONCEPT DESIGN	N/A	ME			RMS REGISTRATION No. DS2018/001093		ISSUE STATUS 100% CONCEPT DESIGN		EDMS No. SF2018/0243946	
2		14.05.20	ISSUED FOR 100% CONCEPT/20% DETAIL DESIGN	N/A	MF	CO-ORDINATE SYSTEM MGA ZONE 96		HEIGHT DATUM AHD		SHEET No. RD-1305		ISSUE 2	