
VicRoads

Final Drawing Presentation Guidelines

VicRoads FDP – Example Drawings

(June 2020)

NOTE:

Reference to any VicRoads or other documentation refers to the latest version as publicly available on the VicRoads website or other external source.

Update Record

Rev. No. Date Released	Section Updated	Description of Revision	Approved By
Ver. 1.0 July 2013	First Edition	Example Drawings extracted from original document	Principal Advisor - Road Design, Traffic & Standards
Ver. 1.1 June 2020	Drawing No. 269687 Drawing No. 269688	Approach grade information requirements	Principal Engineer – Road Design and Traffic



Controlled Copy
Issue Number

MAIN ROAD DUPLICATION

GORDONS ROAD TO RIVERDALE BOULEVARD

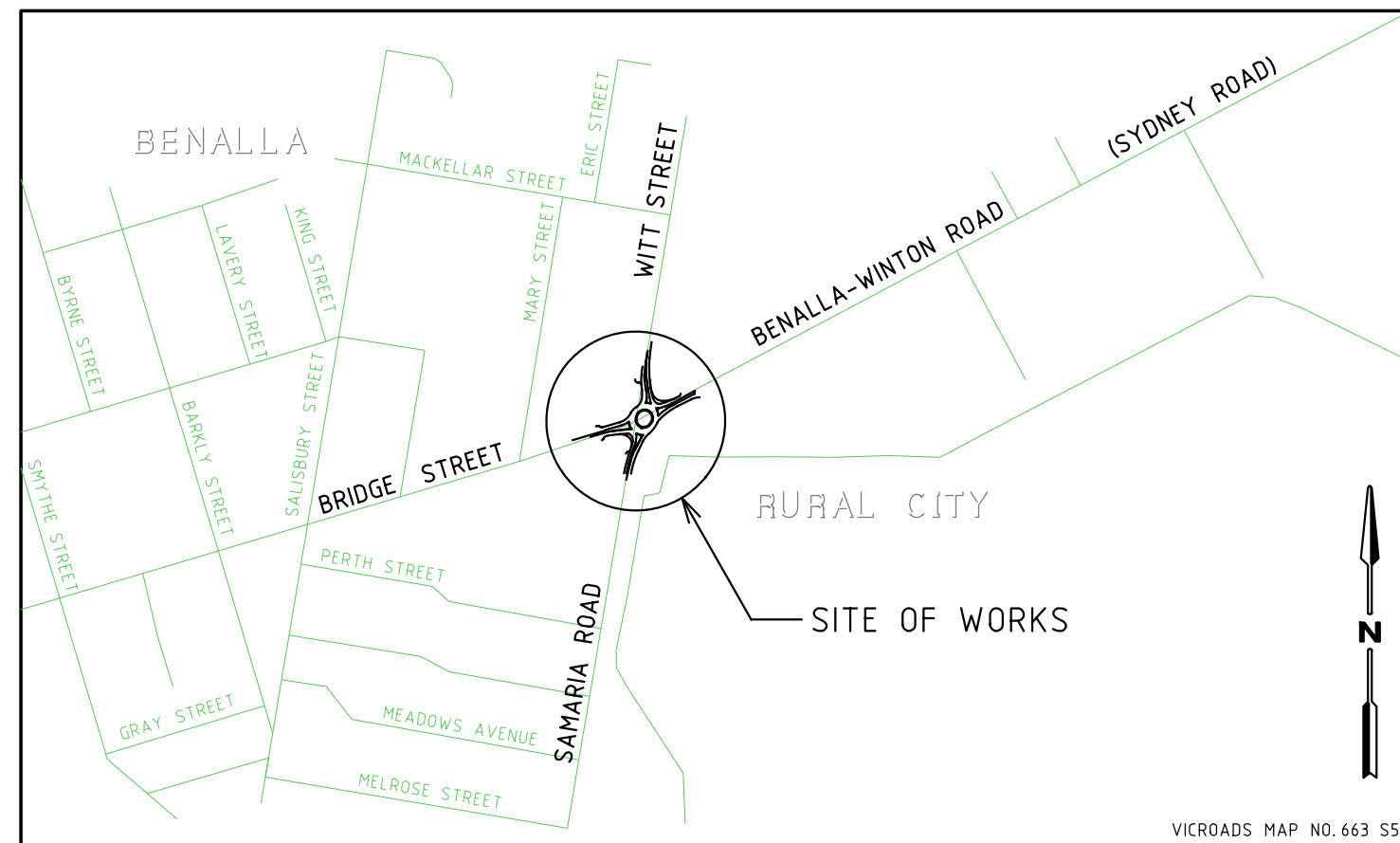
CONTRACT No. 1234

DRAWINGS

VOLUME 2 of 3

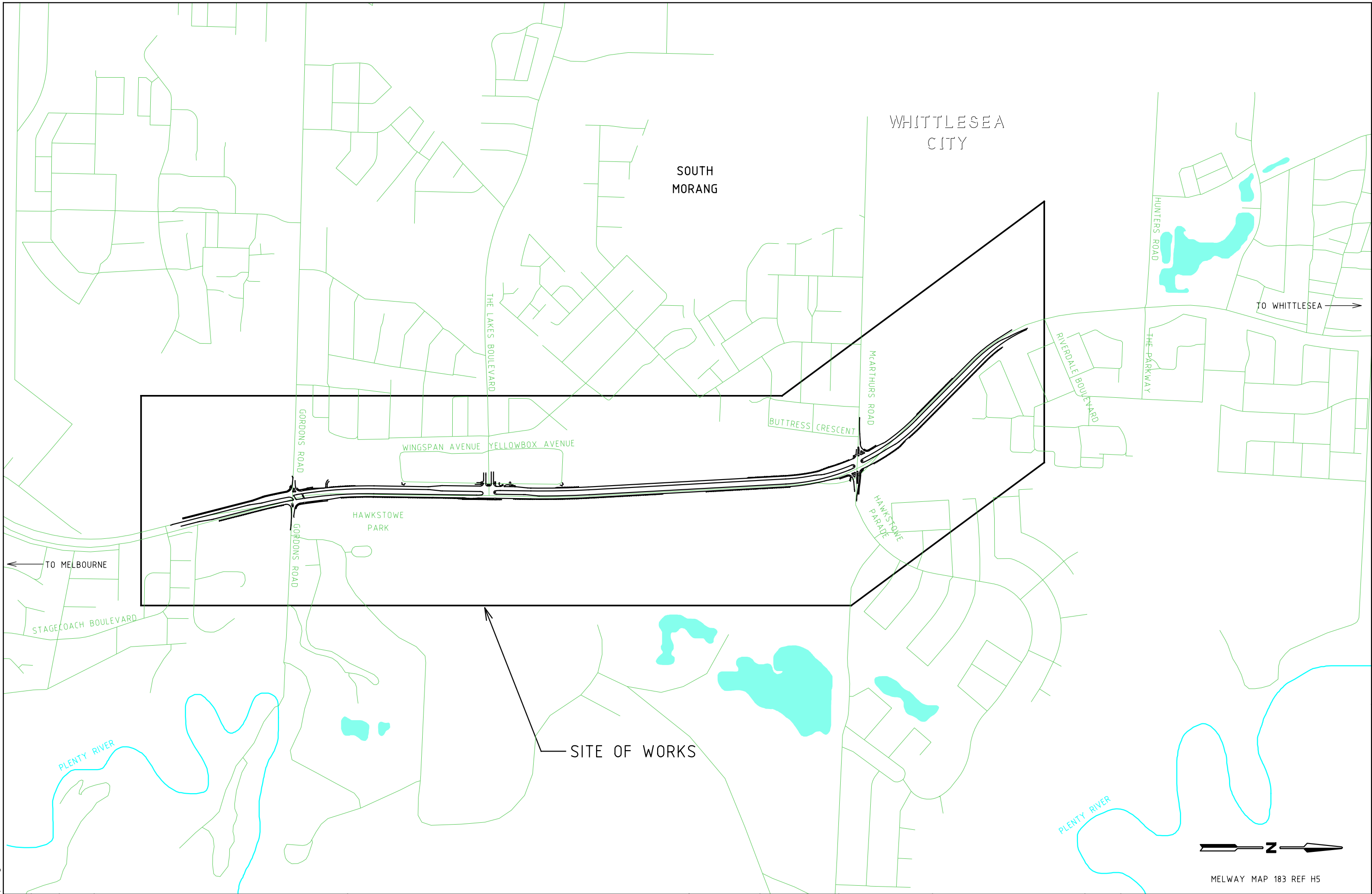


BENALLA EASTERN GATEWAY PROJECT BRIDGE ST/BENALLA-WINTON RD (SYDNEY RD)/ WITT ST/SAMARIA RD ROUNDAABOUT



CONTRACT NO. 1235

ROADWORKS DRAWINGS




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GENERAL NOTES

TECHNICAL CONSULTING	DESIGNED PROJECT DESIGN
3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329	APPROVED V.ROADS 01/06/11 CAT: RS&T PROJ: Face Sheet FILE: 6004-pd-a-lp-01.dgn



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MAIN RD GORDONS ROAD TO RIVERDALE BOULEVARD LOCALITY PLAN				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
	1234	1	269651	

SHEET DRAWING		COMPUTER FILE	DESCRIPTION	SHEET DRAWING		COMPUTER FILE	DESCRIPTION	COMPUTER FILES		
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				MAIN ROAD					26356-lis-sp-01.dgn	CADASTRAL INFORMATION
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				46	123502	6004-pd-a-cs-03.dgn	CH 26040 - CH 26070	Main Rd EnhancementXM.dgn	ENHANCEMENT FILE	
				47	123503	6004-pd-a-cs-03.dgn	CH 26080 - CH 26100	6004-pd-a-rp-01.dgn	ROW BOUNDARY	
				48	123504	6004-pd-a-cs-03.dgn	CH 26110 - CH 26130	6004-pd-a-cp-01.dgn	EXISTING SURFACE CONTOURS	
				49	123505	6004-pd-a-cs-03.dgn	CH 26140 - CH 26170	6004-pd-a-md-06.dgn	VEGETATION FILE	
				50	123506	6004-pd-a-cs-03.dgn	CH 26180 - CH 26200	6004-pd-a-md-07.dgn	EXISTING PAVEMENT FILL AREAS	
				51	123507	6004-pd-a-cs-03.dgn	CH 26210 - CH 26230	6004-pd-a-di-01.dgn	NESTED DESIGN FILE FOR ALIGNMENT PLANS	
				52	123508	6004-pd-a-cs-03.dgn	CH 26240 - CH 26260	6004-pd-a-di-02.dgn	NESTED DESIGN FILE FOR DRAINAGE ALIGNMENT PLANS	
				53	123509	6004-pd-a-cs-03.dgn	CH 26270 - CH 26290	6004-pd-a-fd-01.dgn	FUNCTIONAL LAYOUT	
				54	123510	6004-pd-a-cs-03.dgn	CH 26300 - CH 26320	6004-pd-a-adl-01.dgn	DRAINAGE NETWORK LAYOUT	
				55	123511	6004-pd-a-cs-03.dgn	CH 26330 - CH 26350	6004-pd-a-ssd-01.dgn	SUBSURFACE DRAINAGE LAYOUT	
				56	123512	6004-pd-a-cs-03.dgn	CH 26360 - CH 26380	6004-pd-a-cp-02.dgn	DESIGN SURFACE CONTOURS	
				57	123513	6004-pd-a-cs-03.dgn	CH 26390 - CH 26410	6004-pd-a-ptl-01.dgn	PAVEMENT TYPE LIMIT AREAS	
				58	123514	6004-pd-a-cs-03.dgn	CH 26420 - CH 26440		MISCELLANEOUS REFERENCE FILES	
				59	123515	6004-pd-a-cs-03.dgn	CH 26450 - CH 26470	ctb4.dgn	VICROADS TITLE BLOCK	
				60	123516	6004-pd-a-cs-03.dgn	CH 26480 - CH 26500			
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				62	123518	6004-pd-a-cs-03.dgn	CH 26540 - CH 26560			
				63	123519	6004-pd-a-cs-03.dgn	CH 26570 - CH 26590			
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				71	123527	6004-pd-a-cs-03.dgn	CH 26820 - CH 26840			
				72	123528	6004-pd-a-cs-03.dgn	CH 26850 - CH 26870			
				73	123529	6004-pd-a-cs-03.dgn	CH 26880 - CH 26900			
				THE LAKES BOULEVARD						
				74	123530	6004-pd-a-cs-02.dgn	CH 3030 - CH 3060			
				SIGNS & PAVEMENT MARKING PLANS						
				75	123531	6004-pd-a-slp-01.dgn	CH 26000 - CH 26170			
				76	123532	6004-pd-a-slp-02.dgn	CH 26170 - CH 26320			
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				78	123534	6004-pd-a-slp-04.dgn	CH 26480 - CH 26640			
				79	123535	6004-pd-a-slp-05.dgn	CH 26640 - CH 26810			
				80	123536	6004-pd-a-slp-06.dgn	CH 26810 - CH 26990			
				81	123537	6004-pd-a-slp-07.dgn	CH 26990 - CH 27170			
				TRAFFIC SIGNAL PLANS						
				82	123538	987653.dgn	MAIN ROAD / THE LAKES BOULEVARD			
				STREET LIGHTING PLANS						
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				84	123540	6004-pd-a-slt-02.dgn	CH 26320 - CH 26640			
				85	123541	6004-pd-a-slt-03.dgn	CH 26640 - CH 26990			
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				26356-lis-sp-01.dgn					CADASTRAL INFORMATION	
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				Main Rd EnhancementXM.dgn					ENHANCEMENT FILE	
				6004-pd-a-rp-01.dgn					ROW BOUNDARY	
				6004-pd-a-cp-01.dgn					EXISTING SURFACE CONTOURS	
				6004-pd-a-md-06.dgn					VEGETATION FILE	
				6004-pd-a-md-07.dgn					EXISTING PAVEMENT FILL AREAS	
				6004-pd-a-di-01.dgn					NESTED DESIGN FILE FOR ALIGNMENT PLANS	
				6004-pd-a-di-02.dgn					NESTED DESIGN FILE FOR DRAINAGE ALIGNMENT PLANS	
				6004-pd-a-fd-01.dgn					FUNCTIONAL LAYOUT	
				6004-pd-a-adl-01.dgn					DRAINAGE NETWORK LAYOUT	
				6004-pd-a-ssd-01.dgn					SUBSURFACE DRAINAGE LAYOUT	
				6004-pd-a-cp-02.dgn					DESIGN SURFACE CONTOURS	
				6004-pd-a-ptl-01.dgn					PAVEMENT TYPE LIMIT AREAS	
									MISCELLANEOUS REFERENCE FILES	
									VICROADS TITLE BLOCK	
				GEOMETRY PROJECTS						
				6004-pd-a-alg-01.alg					INROADS GEOMETRY FILE FOR PROJECT	
				EXISTING SURFACE						
				MAIN DTM.dtm					INROADS EXISTING SURFACE .dtm FILE	
				SURVEY CONTROL POINTS						
				Main Rd Feature Survey Control.cds					SURVEY CONTROL POINTS	
				DESIGN 3D LINESTRINGS AND DIGITAL TERRAIN MODELS						
				6004-pd-a-3ds-01.dgn					3d-LINESTRINGS	
				6004-pd-a-srf-01.dtm					PLENTY ROAD INROADS DESIGN .dtm FILE	

E				GENERAL NOTES	TECHNICAL CONSULTING	3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA, 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329	DESIGNED PROJECT DESIGN			MAIN RD GORDONS ROAD TO RIVERDALE BOULEVARD								
D							APPROVED V.ROADS 01/06/11											
C							CAT: RS&T PROJ: Table of Contents FILE: 6004-pd-a-toc-01.dgn					SCALE OF METRES NOT TO SCALE		FILE NO.	CONTRACT NO. 1234	SHEET NO. 2	DRAWING NO. 269653	ISSUE
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ISSUE	APP'D	DATE	AMENDMENT															

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1	123456	6004-dc--lfs-01.dgn	FACE SHEET, LOCALITY PLAN
2	123457	6004-dc--toc-01.dgn	TABLE OF CONTENTS, COMPUTER FILES AND STANDARD DRAWINGS

TYPICAL CROSS SECTIONS AND PAVEMENT DETAILS

3	123458	6004-dc--tpd-01.dgn	TYPICAL CROSS SECTIONS AND PAVEMENT DETAILS
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GEOMETRIC PLAN

4	123459	6004-dc--gp-01.dgn	
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ALIGNMENT PLANS AND DRAINAGE DETAILS

5	123460	6004-dc--ap-01.dgn	CH 14470 - CH 14630
6	123461	6004-dc--ap-02.dgn	CH 14630 - CH 14790
7	123462	6004-dc--dl-01.dgn	DRAINAGE LONGITUDINAL SECTIONS

PAVEMENT TYPE LIMIT PLANS

8	123463	6004-dc--ptl-01.dgn	CH 14470 - CH 14630
9	123464	6004-dc--ptl-02.dgn	CH 14630 - CH 14790

DETAIL PLANS

10	123465	6004-dc--sod-01.dgn	DETAIL PLAN
11	123466	6004-dc--sod-02.dgn	SET OUT POINTS
12	123467	6004-dc--lip-01.dgn	LIP PROFILES A, B AND BB
13	123468	6004-dc--lip-02.dgn	LIP PROFILES D
14	123469	6004-dc--lip-03.dgn	LIP PROFILES C, E AND G

LONGITUDINAL SECTIONS

15	123470	6004-dc--ls-01.dgn	CH 14470 - 14630
16	123471	6004-dc--ls-02.dgn	CH 14630 - 14790

CROSS SECTIONS

17	123472	6004-dc--cs-01.dgn	CH 14470 - CH 14500
18	123473	6004-dc--cs-01.dgn	CH 14510 - CH 14540
19	123474	6004-dc--cs-01.dgn	CH 14550 - CH 14580
20	123475	6004-dc--cs-01.dgn	CH 14590 - CH 14620
21	123476	6004-dc--cs-01.dgn	CH 14630 - CH 14660
22	123477	6004-dc--cs-01.dgn	CH 14670 - CH 14700
23	123478	6004-dc--cs-01.dgn	CH 14710 - CH 14730
24	123479	6004-dc--cs-01.dgn	CH 14740 - CH 14770
25	123480	6004-dc--cs-01.dgn	CH 14780 - CH 14790

SIGNS AND PAVEMENT MARKING PLANS

26	123481	6004-dc--slp-01.dgn	CH 14470 - CH 14630
27	123482	6004-dc--slp-02.dgn	CH 14630 - CH 14790

PUBLIC LIGHTING

REFER TO SEPARATE PUBLIC LIGHTING PLAN

COMPUTER FILES

DESIGN REFERENCE FILES

6004-dc--fd-01.dgn	-	FUNCTIONAL LAYOUT
6004-dc--adl-01.dgn	-	DRAINAGE STRATEGY
6004-dc--md-01.dgn	-	EXISTING PAVEMENT AREA FILL
6004-dc--3ds-01.dgn	-	3D LINE STRINGS FOR DESIGN SURFACE
6004-dc--ssd-01.dgn	-	SUBSURFACE DRAINAGE
6004-dc--cp-01.dgn	-	EXISTING SURFACE CONTOURS
6004-dc--slp-00.dgn	-	PAVEMENT MARKING MASTER FILE
6004-dc--ptl-00.dgn	-	PAVEMENT TYPE AREA FILL

ctb4.dgn	-	TITLE BLOCK
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SURFACES

6004-dc--srf-01.dtm	-	DESIGN SURFACE
6004-dc--srf-02.dtm	-	EXISTING PAVEMENT HATCH

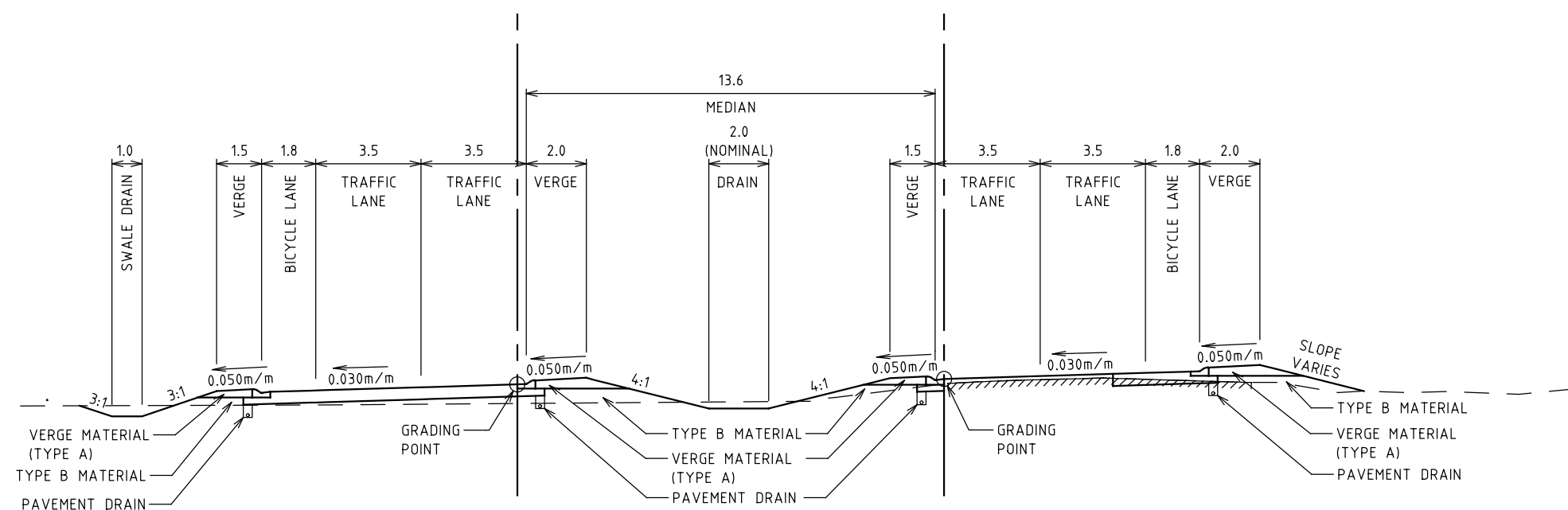
GEOMETRY

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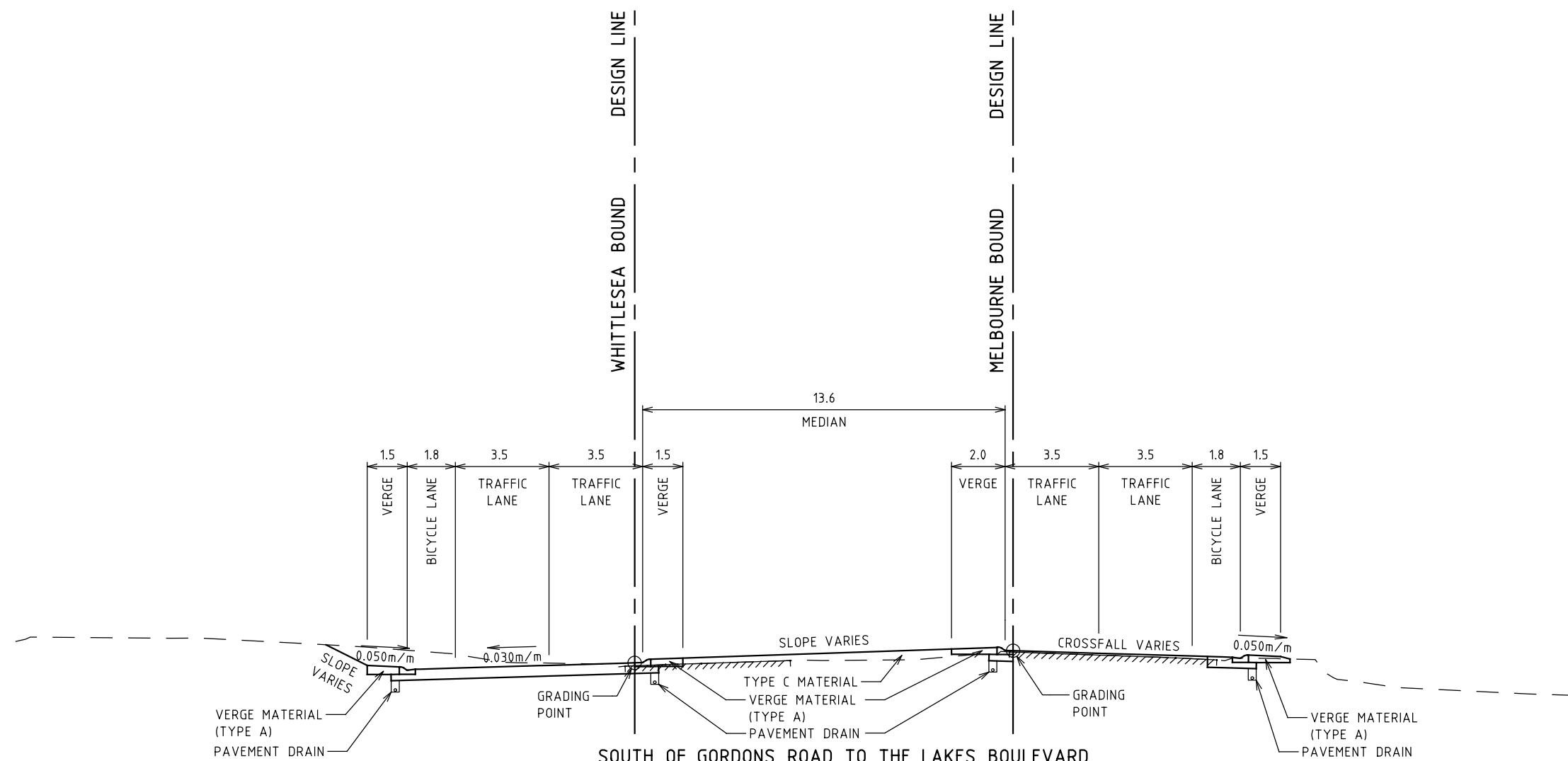
SURVEY

13361fsa.dgn	-	FEATURE SURVEY BASE
13361fsa.dtm	-	DIGITAL TERRAIN MODEL
13361esa.dgn	-	ENHANCEMENT FILE

E				GENERAL NOTES	TECHNICAL CONSULTING 3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA, 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329	DESIGNED REGIONAL DESIGN CENTRAL 29/03/11			BRIDGE STREET BENALLA-WINTON RD / WITT ST / SAMARIA RD ROUNDABOUT BENALLA RURAL CITY TABLE OF CONTENTS AND COMPUTER FILES					
D						APPROVED V.ROADS 01/06/11								
C						CAT: RS&T		SCALE OF METRES NOT TO SCALE		FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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A						FILE: 6004-dc--toc-01.dgn		VER						
ISSUE	APP'D	DATE	AMENDMENT											



THE LAKES BOULEVARD TO HAWKSTOWE PARADE/McARTHURS ROAD



SOUTH OF GORDONS ROAD TO THE LAKES BOULEVARD

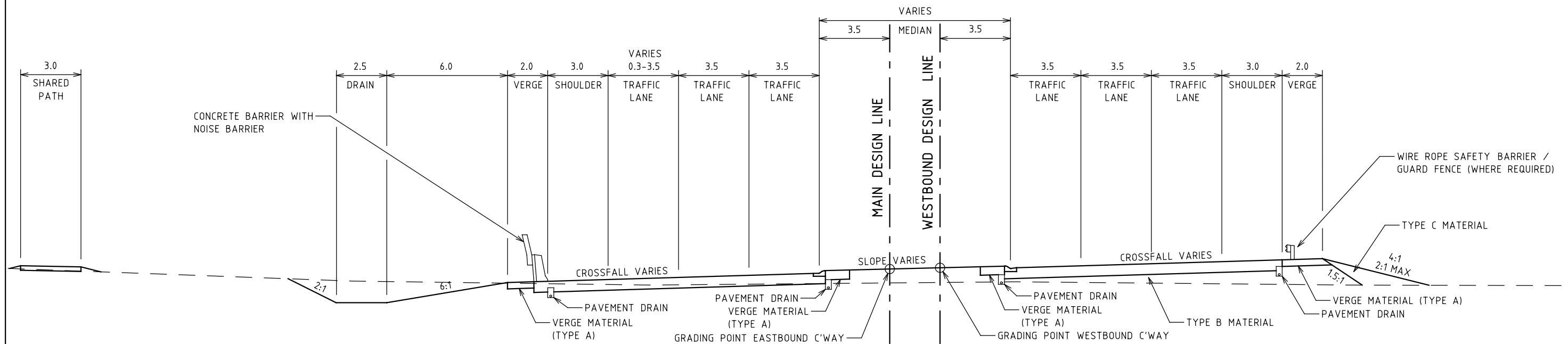
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GENERAL NOTES
 1. REFER DETAIL CROSS SECTIONS FOR BATTER SLOPES
 2. BATTER ROUNDING 1.0 x 1.0, VERGE ROUNDING 1.0 x 1.0 EXCEPT WHERE GUARD FENCE

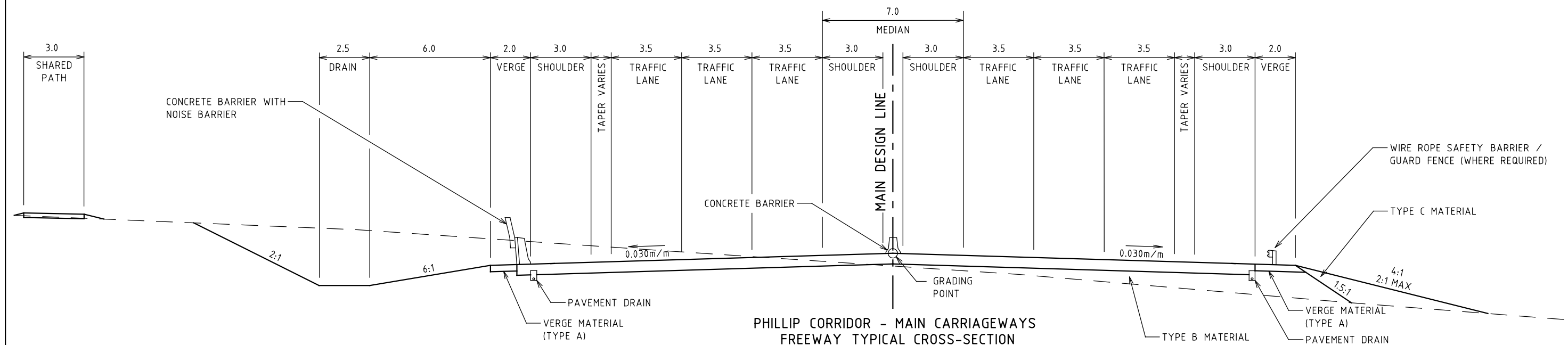
TECHNICAL CONSULTING
 3 PROSPECT HILL ROAD,
 CAMBERWELL,
 VICTORIA 3124
 PHONE (03) 9811 8355
 FAX (03) 9811 8329

DESIGNED
 PROJECT DESIGN
 APPROVED
 V.ROADS
 01/06/11
 CAT: RS&T
 PROJ: Typical Cross Sections
 FILE: 6004-pd-a-tcs-01.dgn

MAIN RD GORDONS ROAD TO RIVERDALE BOULEVARD TYPICAL CROSS SECTIONS				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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PHILLIP CORRIDOR - MAIN CARRIAGEWAYS
ARTERIAL TYPICAL CROSS-SECTION NEAR CHAPEL ROAD



PHILLIP CORRIDOR - MAIN CARRIAGEWAYS
FREEWAY TYPICAL CROSS-SECTION

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GENERAL NOTES
1. REFER PAVEMENT DETAILS, PAVEMENT TYPE LIMITS AND SPECIFICATION FOR LOCATION OF WIDENING JOINTS AND SUBSURFACE DRAINS

TECHNICAL
CONSULTING

3 PROSPECT HILL ROAD,
CAMBERWELL,
VICTORIA 3124
PHONE (03) 9811 8355
FAX (03) 9811 8329

DESIGNED
PROJECT DESIGN

APPROVED
V.ROADS
01/06/11

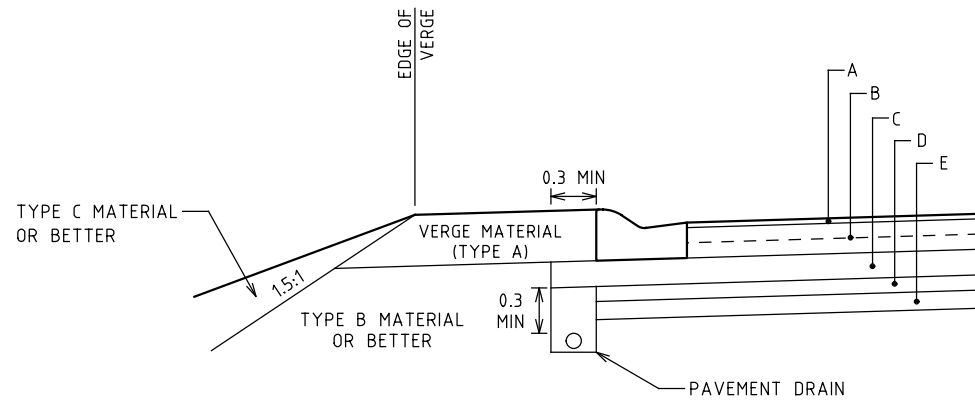
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PROJ: Typical Cross Sections
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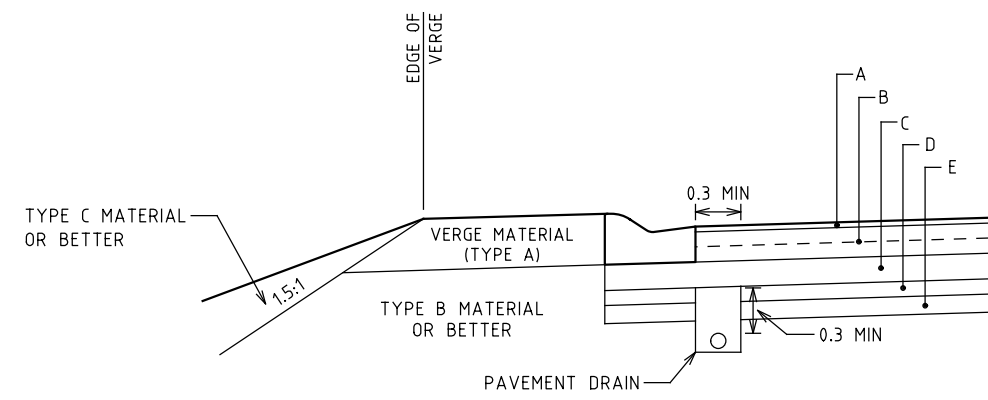
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PHILLIP ARTERIAL
SPRINGVALE ROAD TO PERRY ROAD
MAIN CARRIAGEWAYS
TYPICAL CROSS SECTIONS

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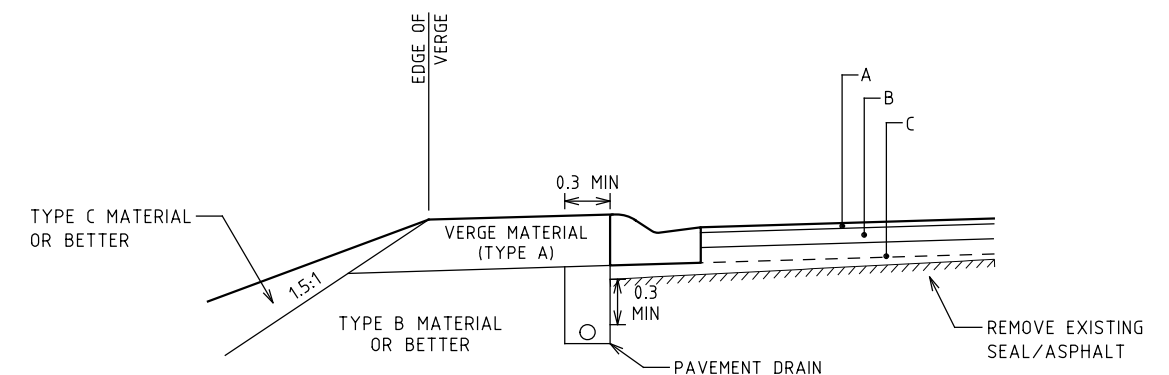
PAVEMENT TYPE 1 GRANULAR PAVEMENT



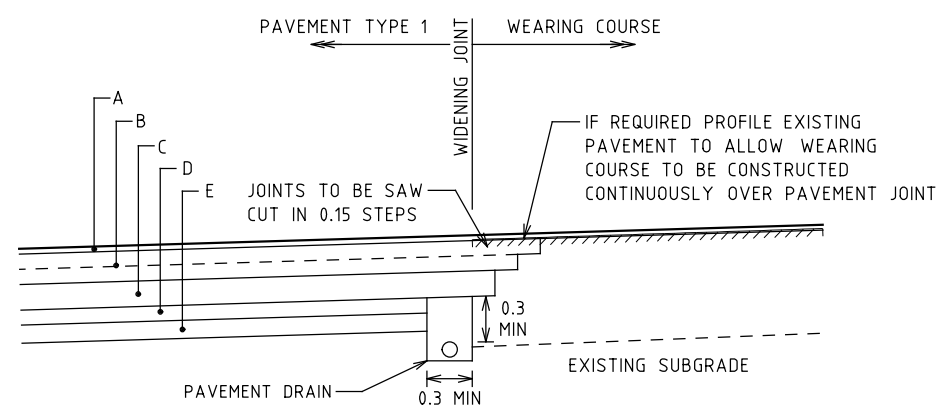
PAVEMENT TYPE 1 GRANULAR PAVEMENT
ALTERNATIVE SSD POSITION WHERE SERVICES CONFLICT TO PREVENT BACK OF KERB LOCATION

PAVEMENT TYPE 1: GRANULAR PAVEMENT (NEW CARRIAGEWAY AND WIDENING)		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
A WEARING COURSE	35	SIZE 10 SMAH ON SIZE 10 SAMI ON SIZE 7 CRS EMULSION PRIMERSEAL
B BASE COURSE	200	SIZE 20 CLASS 1 CRUSHED ROCK (PLACED IN TWO EQUAL LAYERS)
C UPPER SUBBASE	170	SIZE 20 CLASS 3 CRUSHED ROCK
D LOWER SUBBASE	100	SIZE 20 CLASS 4 CRUSHED ROCK
E SELECT MATERIAL	120	TYPE A MATERIAL (CBR >6%, SWELL <1.5%)
TOTAL DEPTH	625	(INCLUDING SURFACING)

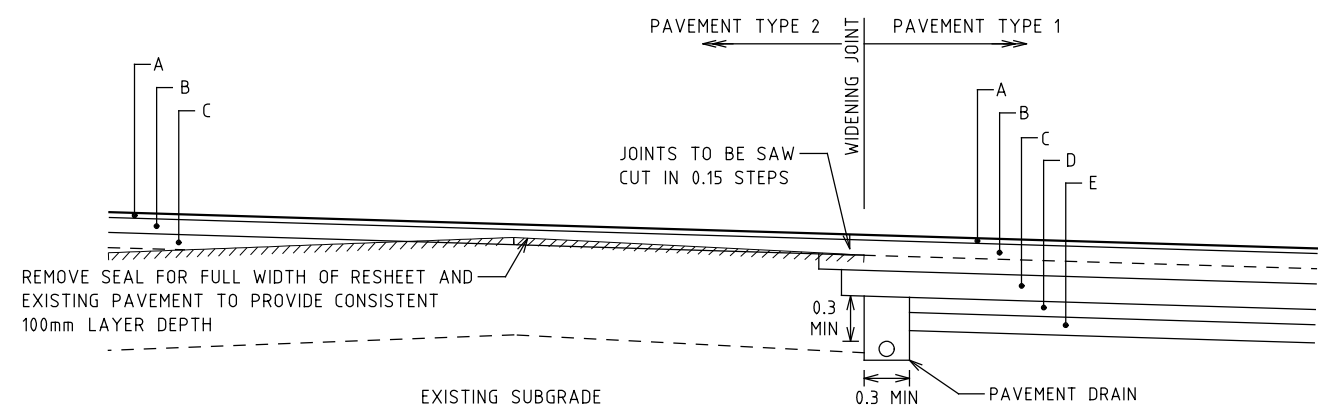
PAVEMENT TYPE 2: GRANULAR RESHEET		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
A WEARING COURSE	35	SIZE 10 SMAH ON SIZE 10 SAMI ON SIZE 7 CRS EMULSION PRIMERSEAL
B RESHEET	100	SIZE 20 CLASS 1 CRUSHED ROCK (PLACED IN LAYERS NO GREATER THAN 100)
C REGULATION	VARIES	



PAVEMENT TYPE 2 GRANULAR RESHEET WITH NEW KERB



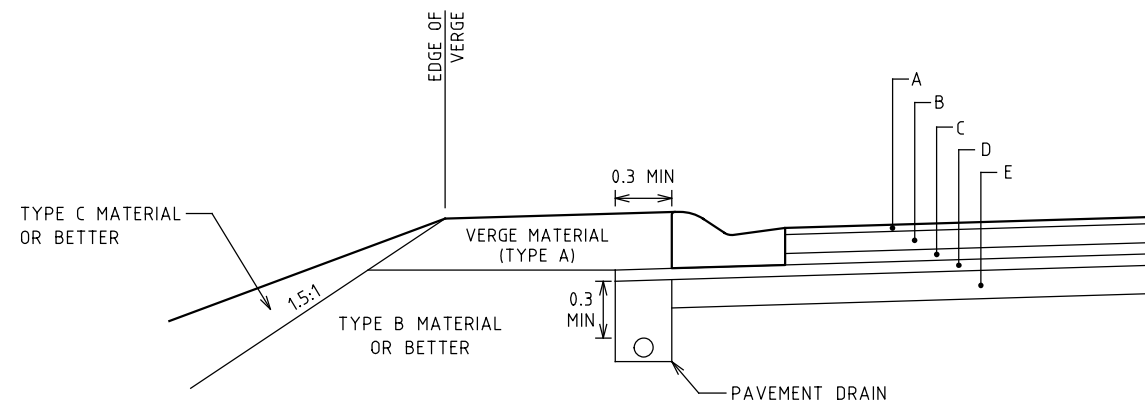
PAVEMENT TYPE 1 WIDENING ADJACENT THIN ASPHALT OVERLAY (GORDONS ROAD)



PAVEMENT TYPE 2 GRANULAR RESHEET ADJACENT PAVEMENT TYPE 1 WIDENING

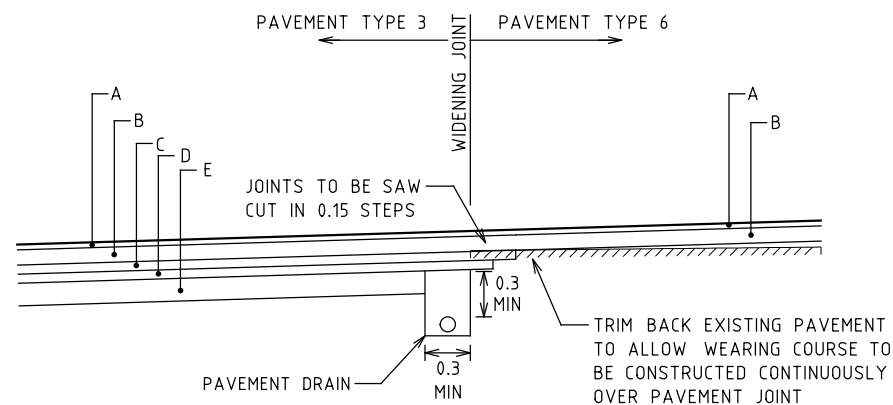
E				GENERAL NOTES 1.TOPSOIL TO BE PLACED OVER BATTERS AND VERGES REFER SPECIFICATION 2.REFER TO PAVEMENT TYPE LIMITS FOR LOCATION OF PAVEMENT TYPES 3.WEARING COURSE TO BE PLACED IN CONTINUOUS LAYER OVER FULL CARRIAGEWAY WIDTH 4.REFER SPECIFICATION FOR LONGITUDINAL AND TRANSVERSE JOINT DETAILS	TECHNICAL CONSULTING 3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329	DESIGNED PROJECT DESIGN APPROVED V.ROADS 01/06/11 CAT: RS&T PROJ: Typical Cross Sections FILE: 6004-pd-a-pd-01.dgn		MAIN RD GORDONS ROAD TO RIVERDALE BOULEVARD GRANULAR PAVEMENT PAVEMENT DETAILS				SCALE OF METRES NOT TO SCALE	FILE NO. 1234	CONTRACT NO. 1234	SHEET NO. 6	DRAWING NO. 269657	ISSUE
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PAVEMENT TYPE 3 DEEP STRENGTH ASPHALT

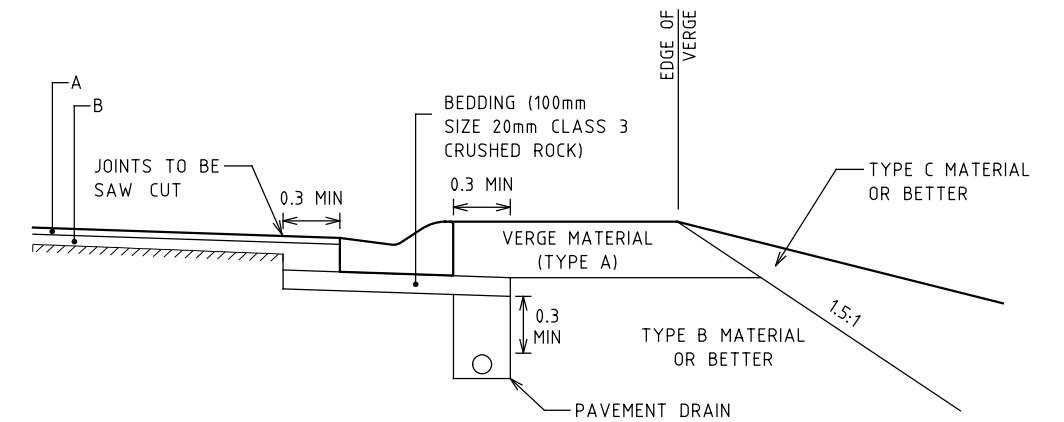
PAVEMENT TYPE 3: DEEP STRENGTH ASPHALT (WIDENING)		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
A WEARING COURSE	35	SIZE 10 SMAH
B INTERMEDIATE COURSE 1	100	SIZE 20 TYPE SI ASPHALT
C INTERMEDIATE COURSE 2	60	SIZE 20 TYPE SI ASPHALT
D BASE COURSE	60	SIZE 20 TYPE SI ASPHALT
E SUBBASE	150	CEMENT TREATED CRUSHED ROCK (E=500MPa)
TOTAL DEPTH	405	



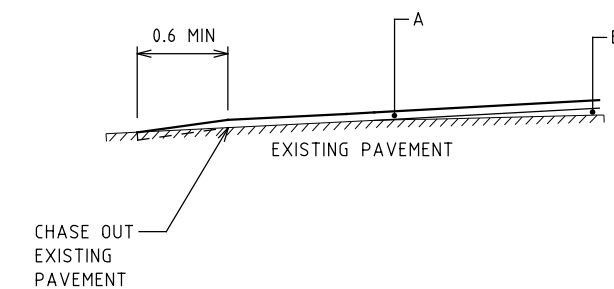
PAVEMENT TYPE 6 THIN ASPHALT OVERLAY ADJACENT PAVEMENT TYPE 3 WIDENING

NOTE: PAVEMENT DRAIN NOT REQUIRED WHERE MINIMUM 100mm REGULATION CAN BE PLACED CONTINUOUSLY ACROSS CARRIAGEWAY

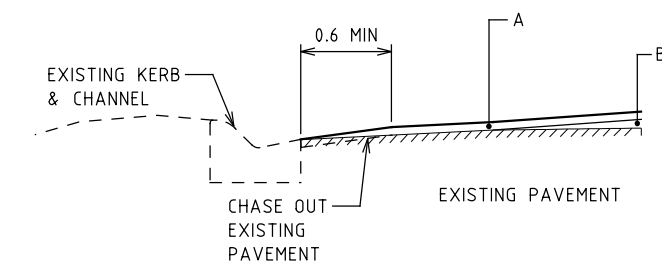
PAVEMENT TYPE 6: THIN ASPHALT OVERLAY		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
A WEARING COURSE	35	SIZE 10 SMAH
B REGULATION	VARIES	SIZE 20 SI ASPHALT (PLACED IN LAYERS NO GREATER THAN 100mm)



PAVEMENT TYPE 6 THIN ASPHALT OVERLAY OVER EXISTING PAVEMENT WITH NEW KERB



PAVEMENT TYPE 6 THIN ASPHALT OVERLAY MATCH IN TERMINATION



PAVEMENT TYPE 6 THIN ASPHALT OVERLAY OVER EXISTING PAVEMENT WITH EXISTING KERB

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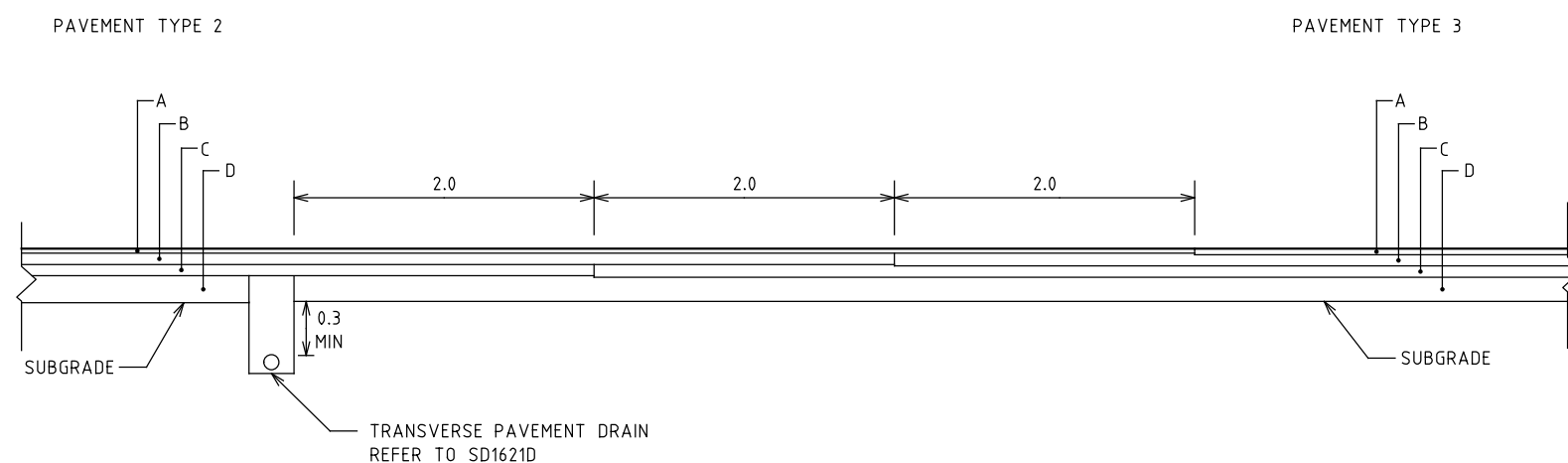
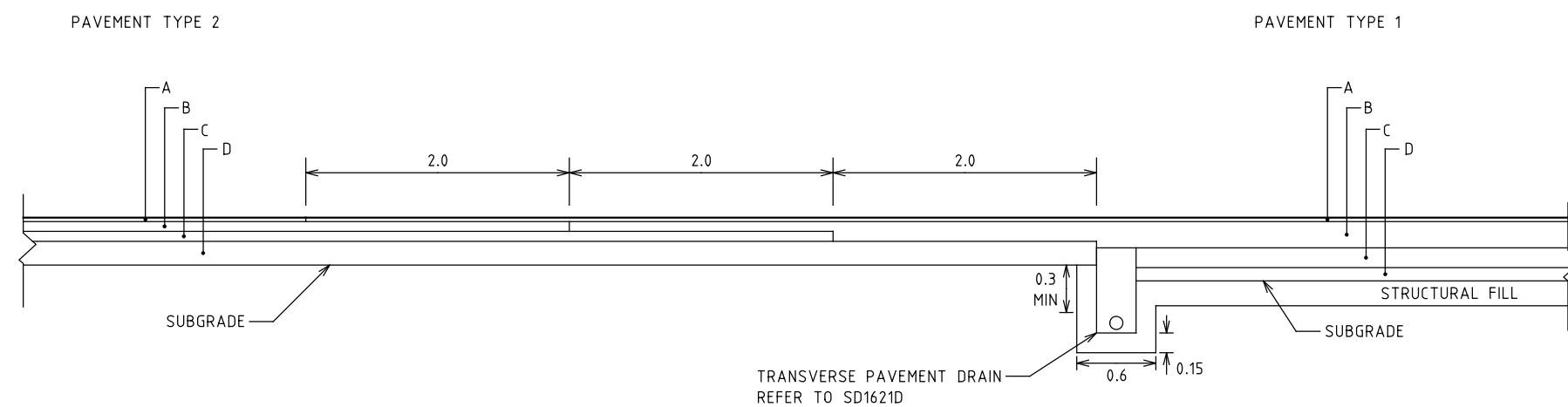
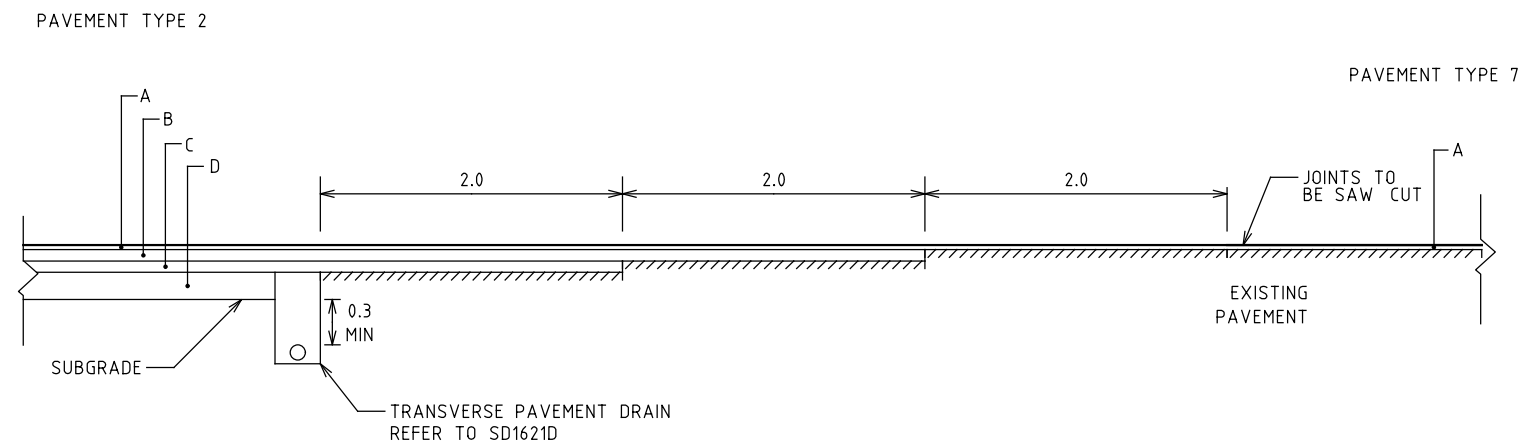
GENERAL NOTES
 1. TOPSOIL TO BE PLACED OVER BATTERS AND VERGES REFER SPECIFICATION
 2. REFER TO PAVEMENT TYPE LIMITS FOR LOCATION OF PAVEMENT TYPES
 3. WEARING COURSE TO BE PLACED IN CONTINUOUS LAYER OVER FULL CARRIAGEWAY WIDTH
 4. REFER SPECIFICATION FOR LONGITUDINAL AND TRANSVERSE JOINT DETAILS

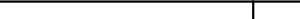
TECHNICAL CONSULTING
 3 PROSPECT HILL ROAD,
 CAMBERWELL,
 VICTORIA 3124
 PHONE (03) 9811 8355
 FAX (03) 9811 8329

DESIGNED
 PROJECT DESIGN
 APPROVED
 V.ROADS
 01/06/11
 CAT: RS&T
 PROJ: Typical Cross Sections
 FILE: 6004-pd-a-pd-02.dgn

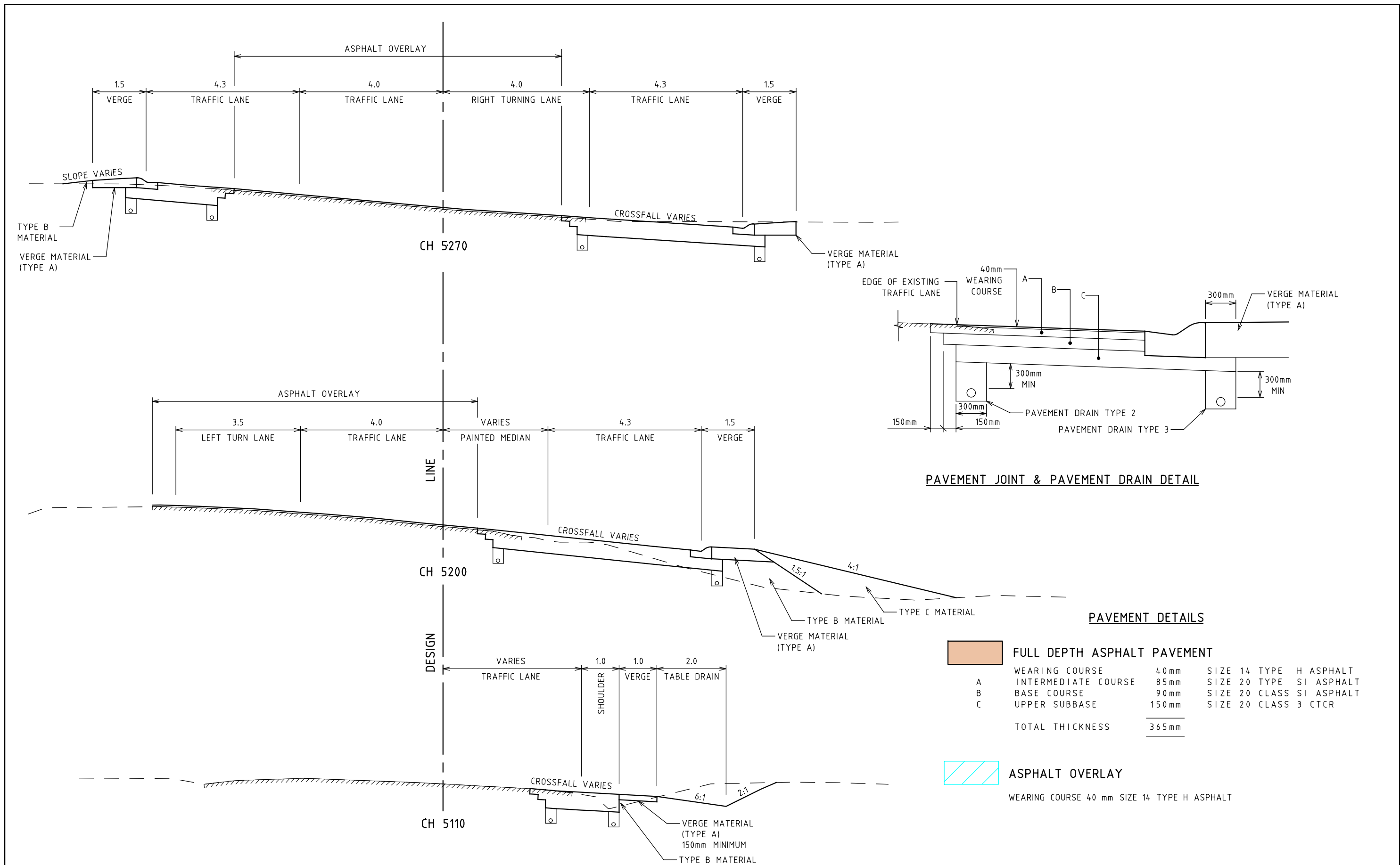
vicroads
 SCALE OF METRES
 NOT TO SCALE
 HOR
 VER

MAIN RD				
GORDONS ROAD TO RIVERDALE BOULEVARD				
DEEP STRENGTH ASPHALT PAVEMENT DETAILS				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
	1234	7	269658	



E				GENERAL NOTES 1.REFER TO PAVEMENT TYPE LIMITS FOR EXTENT OF PAVEMENTS 2.REFER TO SPECIFICATION AND PAVEMENT TYPE LIMITS FOR LOCATION OF WIDENING JOINTS	TECHNICAL CONSULTING 3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA, 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329	DESIGNED PROJECT DESIGN			THOMPSON RD THOMPSON ROAD DUPLICATION TRANSVERSE JOINTS PAVEMENT DETAILS					
D						APPROVED V.ROADS 01/06/11								
C						CAT: RS&T PROJ: Typical Cross Sections FILE: 6004-pd-a-pd-03.dan			HOR VFR	SCALE OF METRES NOT TO SCALE				
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ISSUE	APP'D	DATE	AMENDMENT	FILE NO. CONTRACT NO. SHEET NO. DRAWING NO. ISSUE 1238 8 269659										

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ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES
1. FOR LIMITS AND DEPTH OF STRIPPING REFER SPECIFICATION.
2. BATTER ROUNING 1.0 x 1.0, VERGE ROUNING 1.0 x 1.0
3. TOPSOIL TO BE PLACED OVER BATTERS AND VERGES REFER TO SPECIFICATION

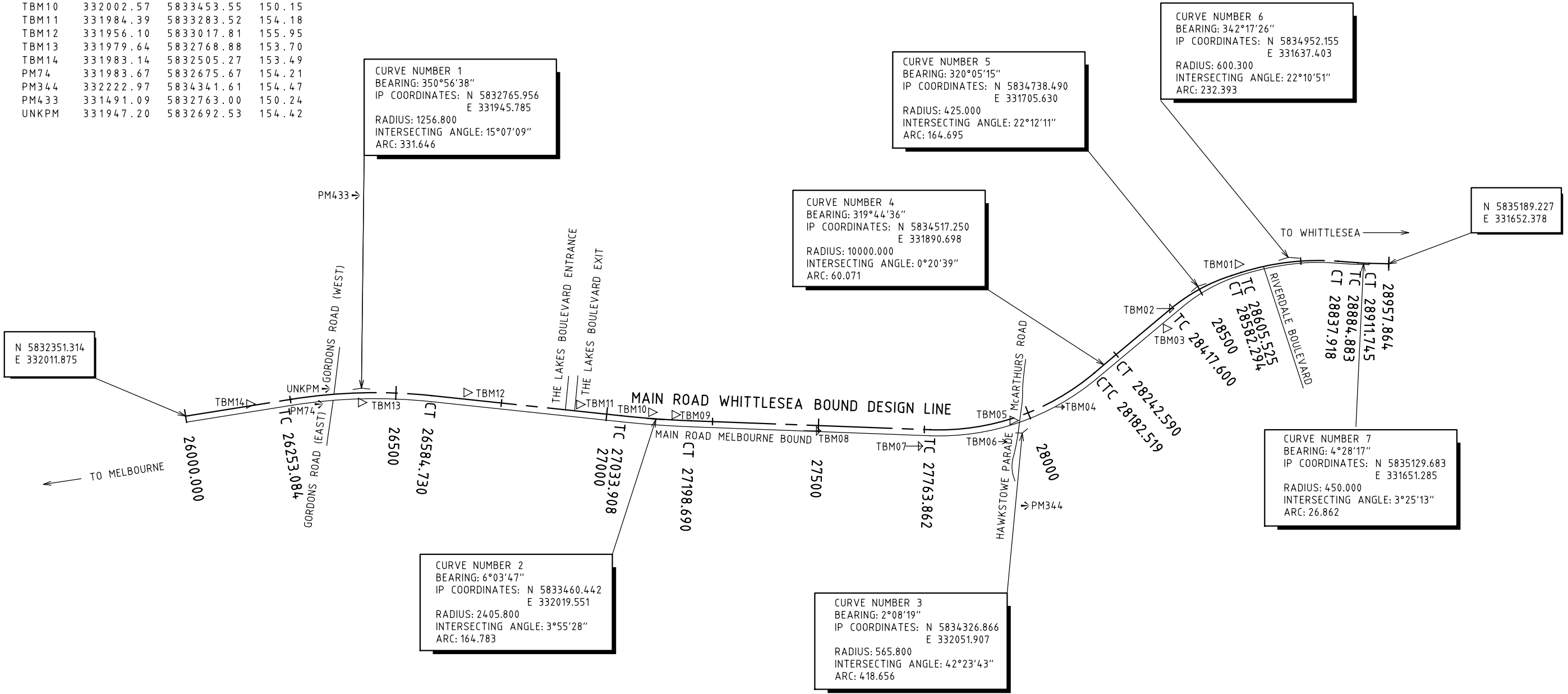
TECHNICAL CONSULTING	DESIGNED REGIONAL DESIGN CENTRAL 11/05/11
3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA 3124	APPROVED V.ROADS 01/06/11
PHONE (03) 9811 8355	CAT: RS&T
FAX (03) 9811 8329	PROJ: Typical Cross Sections
	FILE: 6004-dc--f-pd-01.dgn

	SCALE OF METRES NOT TO SCALE
HOR	VER

BRIDGE STREET				
RIVERVIEW ROAD TO CRAMER STREET				
DELATITE SHIRE				
TYPICAL CROSS SECTIONS AND PAVEMENT DETAILS				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
	1766	9	269660	

SURVEY CONTROL POINTS

STATION	EASTING	NORTHING	RL
TBM01	331653.50	5834837.25	161.56
TBM02	331757.98	5834681.37	162.09
TBM03	331805.06	5834667.52	158.28
TBM04	331990.40	5834423.75	156.79
TBM05	332021.87	5834305.81	155.41
TBM06	332071.81	5834288.22	157.18
TBM07	332082.35	5834089.82	155.48
TBM08	332046.52	5833848.10	152.80
TBM09	332008.48	5833508.57	148.88
TBM10	332002.57	5833453.55	150.15
TBM11	331984.39	5833283.52	154.18
TBM12	331956.10	5833017.81	155.95
TBM13	331979.64	5832768.88	153.70
TBM14	331983.14	5832505.27	153.49
PM74	331983.67	5832675.67	154.21
PM344	332222.97	5834341.61	154.47
PM433	331491.09	5832763.00	150.24
UNKPM	331947.20	5832692.53	154.42



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ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES
1. SURVEY DATUMS: LEVELS - AHD, GRID - MGA ZONE 55

TECHNICAL CONSULTING	DESIGNED PROJECT DESIGN
3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA 3124	APPROVED V.ROADS 1/06/11
PHONE (03) 9811 8355	CAT: RS&T
FAX (03) 9811 8329	PROJ: Geometric Plans
	FILE: 6004-pd-a-gp-01.dgn

SCALE OF METRES
HOR 0 100 200
VER

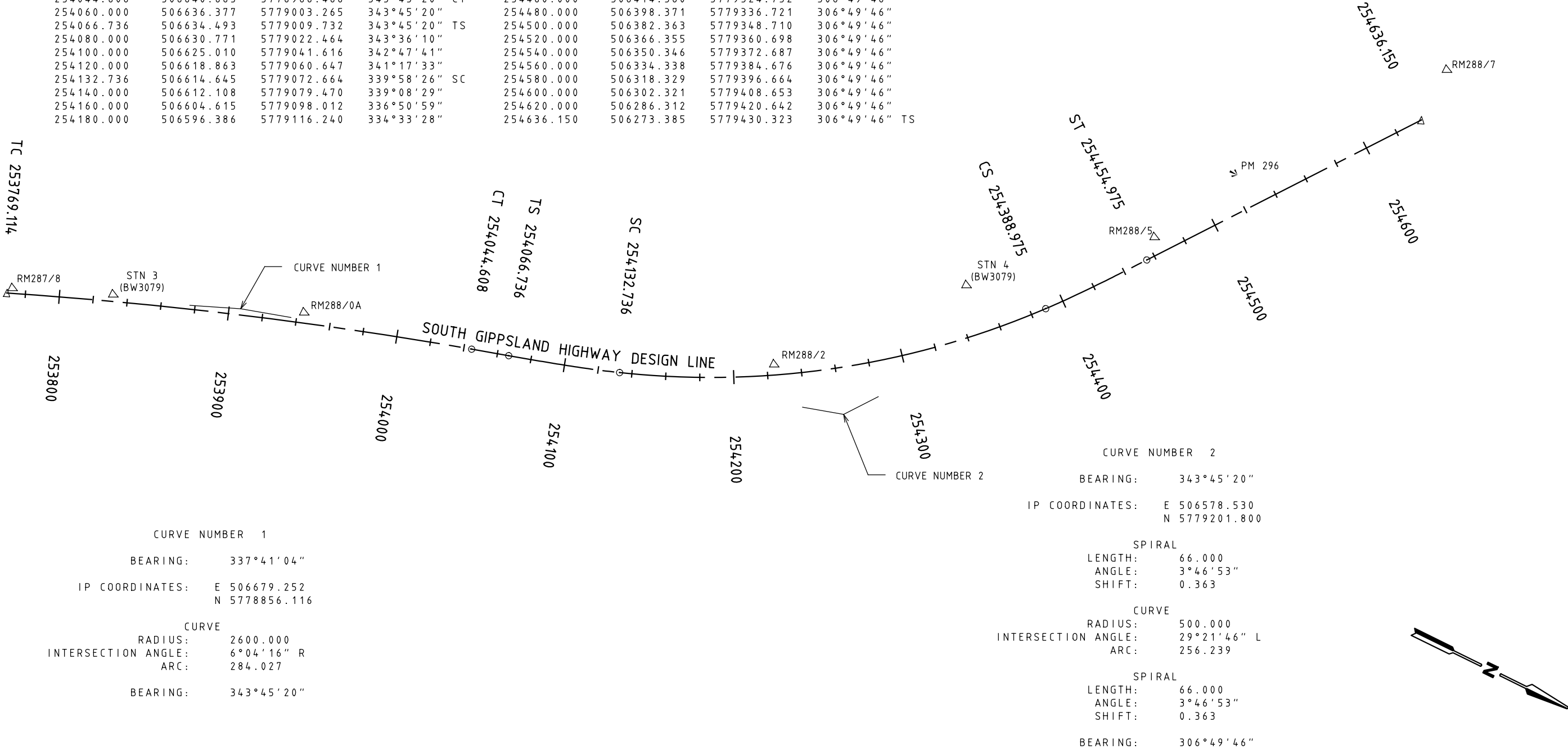
MAIN RD				
GORDONS ROAD TO RIVERDALE BOULEVARD				
WHITTLESEA BOUND CARRIAGEWAY				
GEOMETRIC PLAN				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
	1234	10	269661	

SOUTH GIPPSLAND HIGHWAY DESIGN LINE

CHAINAGE	EASTING	NORTHING	BEARING	CHAINAGE	EASTING	NORTHING	BEARING
253769.114	506731.605	5778728.566	337°41'04" TC	254200.000	506587.435	5779134.123	332°15'58"
253780.000	506727.492	5778738.646	337°55'28"	254220.000	506577.776	5779151.635	329°58'27"
253800.000	506720.047	5778757.208	338°21'54"	254240.000	506567.425	5779168.746	327°40'56"
253820.000	506712.745	5778775.827	338°48'21"	254260.000	506556.398	5779185.430	325°23'26"
253840.000	506705.586	5778794.502	339°14'47"	254280.000	506544.712	5779201.659	323°05'55"
253860.000	506698.571	5778813.232	339°41'14"	254300.000	506532.386	5779217.408	320°48'25"
253880.000	506691.700	5778832.014	340°07'41"	254320.000	506519.441	5779232.652	318°30'54"
253900.000	506684.974	5778850.849	340°34'07"	254340.000	506505.897	5779247.365	316°13'23"
253920.000	506678.394	5778869.736	341°00'34"	254360.000	506491.774	5779261.525	313°55'53"
253940.000	506671.958	5778888.672	341°27'01"	254380.000	506477.097	5779275.110	311°38'22"
253960.000	506665.669	5778907.657	341°53'27"	254388.975	506470.337	5779281.013	310°36'40" CS
253980.000	506659.525	5778926.690	342°19'54"	254400.000	506461.893	5779288.101	309°27'12"
254000.000	506653.528	5778945.770	342°46'21"	254420.000	506446.266	5779300.582	307°53'29"
254020.000	506647.679	5778964.895	343°12'47"	254440.000	506430.378	5779312.730	307°01'27"
254040.000	506641.976	5778984.065	343°39'14"	254454.975	506418.402	5779321.720	306°49'46" SC
254044.608	506640.683	5778988.488	343°45'20" CT	254460.000	506414.380	5779324.732	306°49'46"
254060.000	506636.377	5779003.265	343°45'20"	254480.000	506398.371	5779336.721	306°49'46"
254066.736	506634.493	5779009.732	343°45'20" TS	254500.000	506382.363	5779348.710	306°49'46"
254080.000	506630.771	5779022.464	343°36'10"	254520.000	506366.355	5779360.698	306°49'46"
254100.000	506625.010	5779041.616	342°47'41"	254540.000	506350.346	5779372.687	306°49'46"
254120.000	506618.863	5779060.647	341°17'33"	254560.000	506334.338	5779384.676	306°49'46"
254132.736	506614.645	5779072.664	339°58'26" SC	254580.000	506318.329	5779396.664	306°49'46"
254140.000	506612.108	5779079.470	339°08'29"	254600.000	506302.321	5779408.653	306°49'46"
254160.000	506604.615	5779098.012	336°50'59"	254620.000	506286.312	5779420.642	306°49'46"
254180.000	506596.386	5779116.240	334°33'28"	254636.150	506273.385	5779430.323	306°49'46" TS

SURVEY CONTROL POINTS

STATION	EASTING	NORTHING	RL
STN3 (BW3079)	506704.916	5778785.857	1.870
STN4 (BW3079)	506478.591	5779233.869	1.944
RM287/8	506727.669	5778731.028	1.589
RM288/0A	506664.879	5778891.318	1.893
RM288/2	506570.320	5779152.853	2.158
RM288/5	506404.458	5779320.673	1.753
RM288/7	506240.275	5779431.568	1.732
PM296	506350.104	5779347.602	1.767



CURVE NUMBER 1

BEARING: 337°41'04"

IP COORDINATES: E 506679.252
N 5778856.116

CURVE

RADIUS: 2600.000

INTERSECTION ANGLE: 6°04'16" R

ARC: 284.027

BEARING: 343°45'20"

CURVE NUMBER 2

BEARING: 343°45'20"

IP COORDINATES: E 506578.530
N 5779201.800

SPIRAL

LENGTH: 66.000

ANGLE: 3°46'53"

SHIFT: 0.363

CURVE

RADIUS: 500.000

INTERSECTION ANGLE: 29°21'46" L

ARC: 256.239

SPIRAL

LENGTH: 66.000

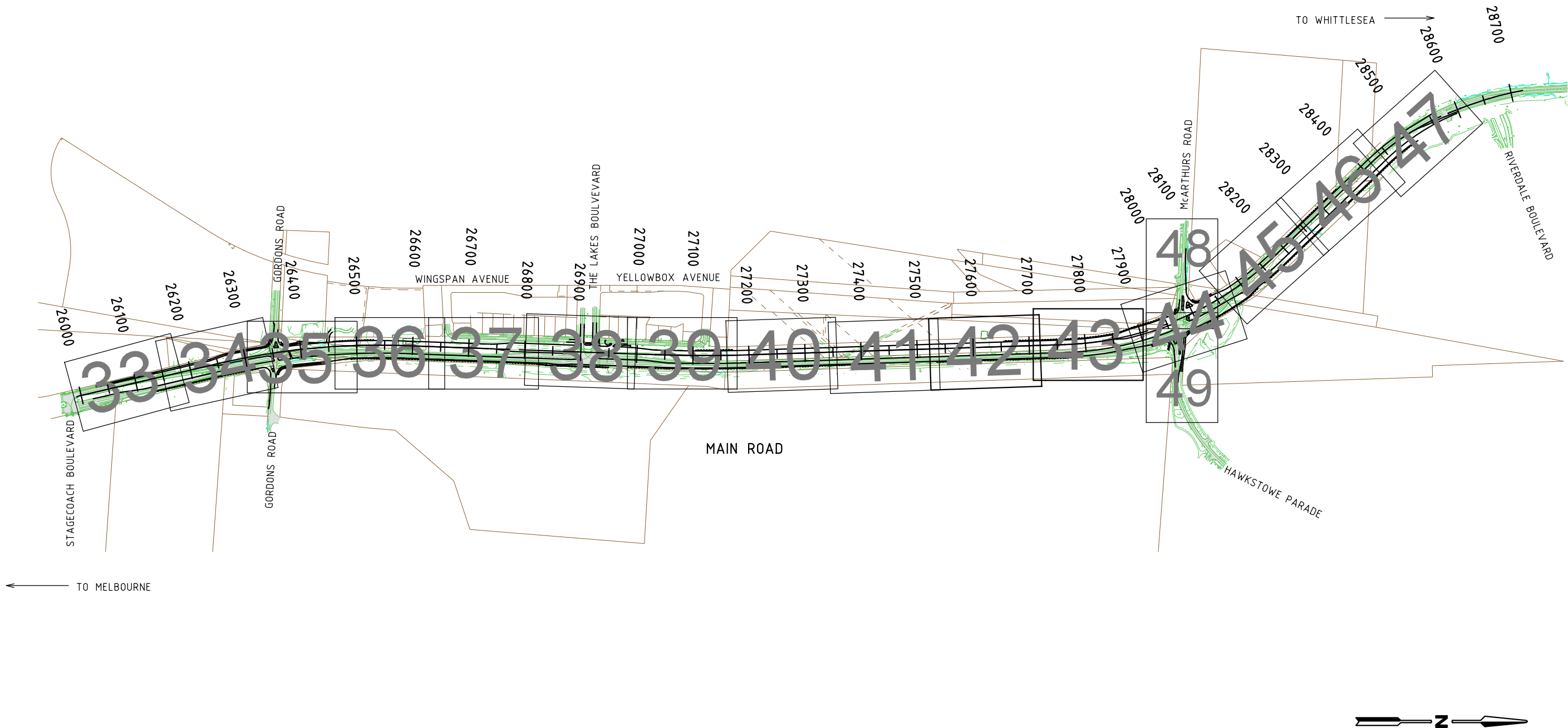
ANGLE: 3°46'53"

SHIFT: 0.363

BEARING: 306°49'46"

E				<div>GENERAL NOTES</div> <div>1. SURVEY DATUMS: LEVELS - AHD, GRID - AMG ZONE 55</div>	<div>TECHNICAL CONSULTING</div> <div>3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329</div>	<div>DESIGNED</div> <div>REGIONAL DESIGN CENTRAL</div> <div>11/05/11</div> <div>APPROVED</div> <div>V.ROADS</div> <div>01/06/11</div> <div>CAT: RS&T</div> <div>PROJ: Geometric Plans</div> <div>FILE: 6004-dc--gp-01.dgn</div>	<div></div> <div>SCALE OF METRES</div> <div>HOR 0 25 50</div> <div>VER</div>	<div>SOUTH GIPPSLAND HWY</div> <div>COXS BRIDGE PROJECT</div> <div>WELLINGTON SHIRE</div> <div>CH 253769.114 - CH 254636.150</div> <div>GEOMETRIC PLAN</div>				FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
D																
C																
B																
A																
ISSUE	APP'D	DATE	AMENDMENT													

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13:33 PM 6004-pd-a-kp-01.dgn

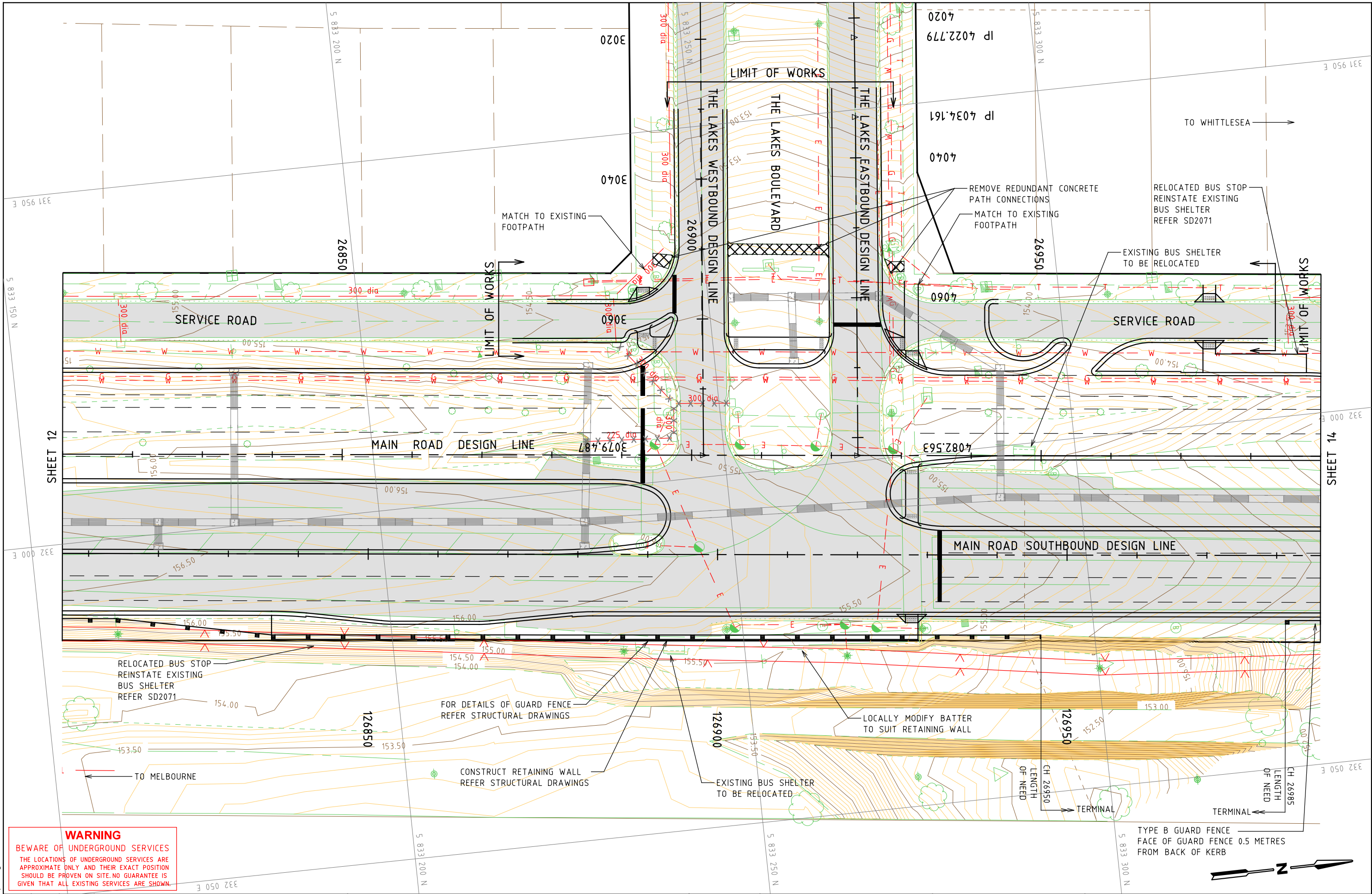


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ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES

TECHNICAL CONSULTING 3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329	DESIGNED PROJECT DESIGN	
	APPROVED V.ROADS 01/06/11	
	CAT: RS&T PROJ: Alignment Plans FILE: 6004-pd-a-kp-01.dgn	
SCALE OF METRES HOR 0 75 150 VER		

MAIN RD GORDONS ROAD TO RIVERDALE BOULEVARD ALIGNMENT KEY PLAN				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
	1234	12	269663	



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ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES	

TECHNICAL CONSULTING	DESIGNED PROJECT DESIGN
	APPROVED V.ROADS 1/06/11
CAT: RS&T PROJ: Alignments Plans FILE: 6004-pd-a-ap-01.dgn	

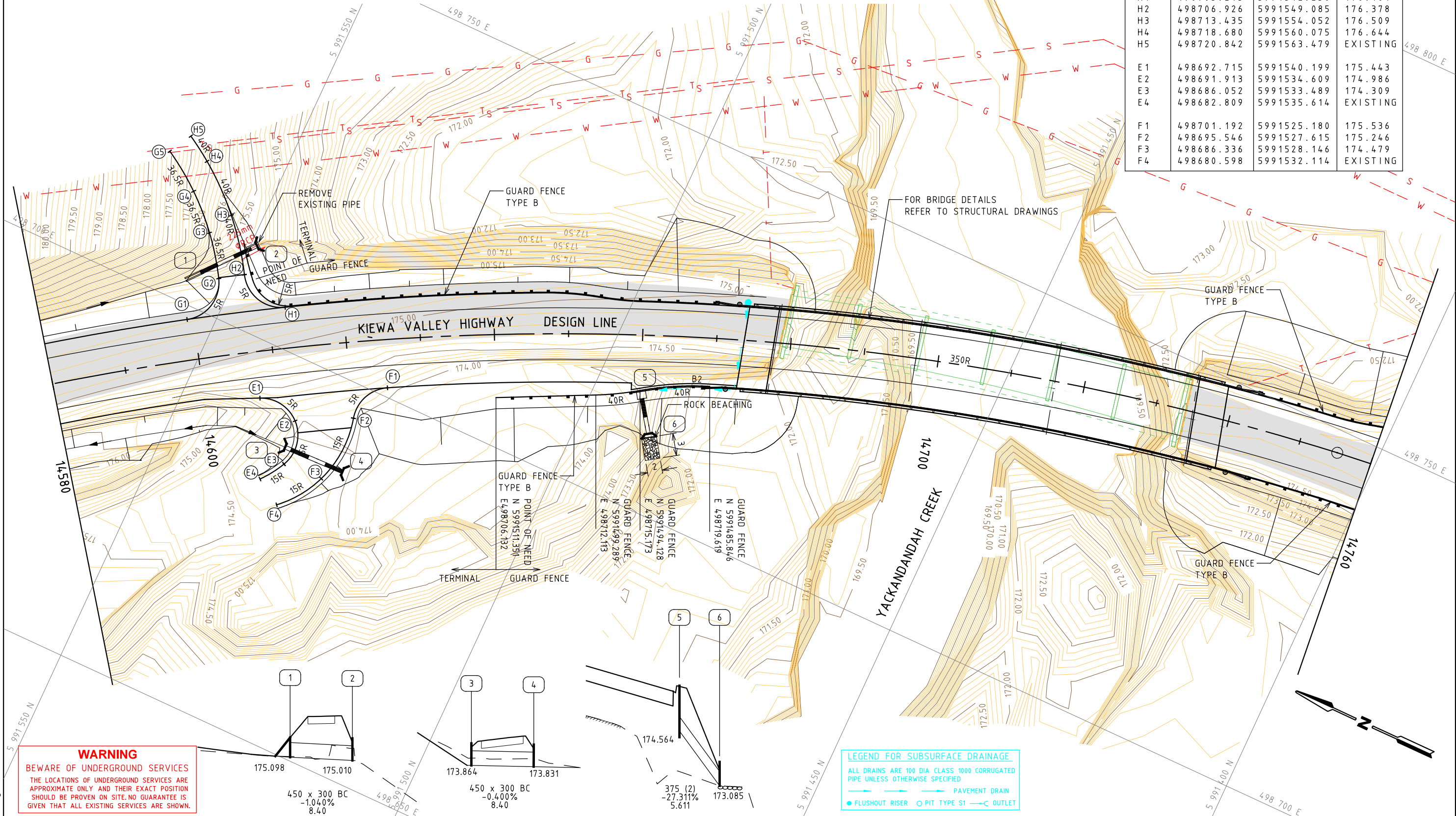
vicroads	
SCALE OF METRES HOR 0 5 10 VER	

MAIN RD GORDONS ROAD TO RIVERDALE BOULEVARD CH 26810 - CH 26990 ALIGNMENT PLAN			
FILE NO.	CONTRACT NO. 1234	SHEET NO. 13	DRAWING NO. 269664
		ISSUE	

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PIT No.	TYPE	PIT DIMENSIONS			PIT LEVELS		PIT LOCATION		FACE BRG	REFERENCE	REMARKS
		L	W	D	INVERT	TOP	EASTING	NORTHING			
1	EW				175.098		498704.724	5991554.558	39 49	SD1991A	
2	EW				175.010		498711.175	5991549.178	39 49	SD1971C	TYPE 2
3	EW				173.864		498688.128	5991534.338	88 17	SD1971C	TYPE 3
4	EW				173.831		498688.380	5991525.942	88 17	SD1971C	TYPE 3
5	SEP	1000	750	1.477	174.401	175.878	498714.795	5991493.749	145 09	SD1301C	
6	EW				173.085		498710.352	5991490.656	145 09	SD1971C	TYPE 2

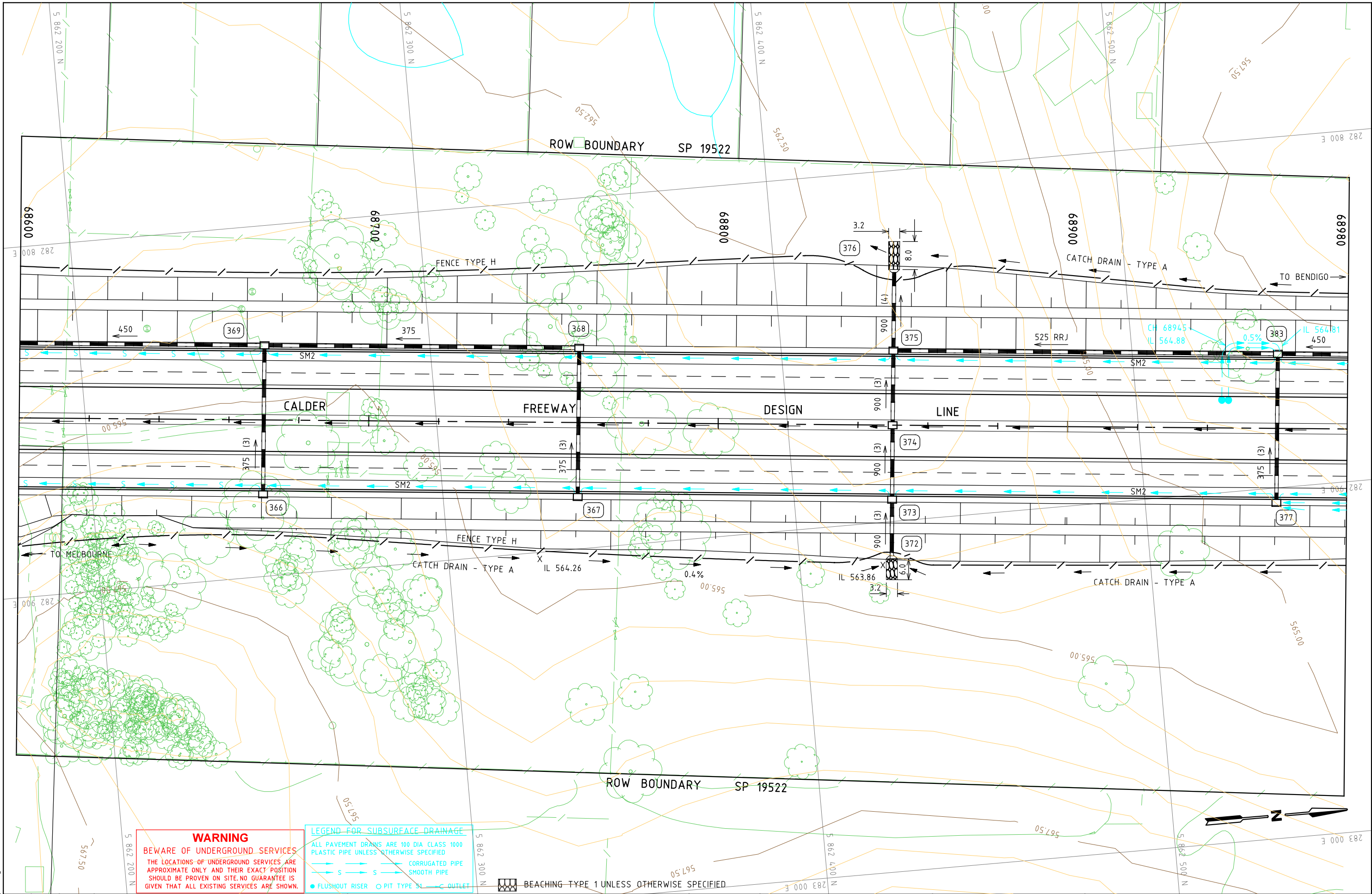
POINT	EASTING	NORTHING	RL
G1	498698.207	5991553.561	176.091
G2	498704.999	5991552.009	176.333
G3	498710.069	5991555.724	176.555
G4	498714.241	5991560.026	176.881
G5	498717.797	5991565.204	EXISTING
H1	498705.243	5991542.258	176.181
H2	498706.926	5991549.085	176.378
H3	498713.435	5991554.052	176.509
H4	498718.680	5991560.075	176.644
H5	498720.842	5991563.479	EXISTING
E1	498692.715	5991540.199	175.443
E2	498691.913	5991534.609	174.986
E3	498686.052	5991533.489	174.309
E4	498682.809	5991535.614	EXISTING
F1	498701.192	5991525.180	175.536
F2	498695.546	5991527.615	175.246
F3	498686.336	5991528.146	174.479
F4	498680.598	5991532.114	EXISTING



WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

LEGEND FOR SUBSURFACE DRAINAGE
ALL DRAINS ARE 100 DIA CLASS 1000 CORRUGATED PIPE UNLESS OTHERWISE SPECIFIED
— PAVEMENT DRAIN
● FLUSHOUT RISER ○ PIT TYPE S1 — OUTLET

E				GENERAL NOTES 1.SURVEY DATUMS: LEVELS = AHD, GRID = MGA ZONE 55 2.FOR PAVEMENT DETAILS REFER TO SPECIFICATION → DIRECTION OF FLOW	TECHNICAL CONSULTING 3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA, 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329	DESIGNED REGIONAL DESIGN CENTRAL 03/04/13			KIEWA VALLEY HWY YACKANDANDAH CREEK BRIDGE WODONGA RURAL CITY CH 14580 - CH 14760 ALIGNMENT PLAN				
D						APPROVED V.ROADS 10/04/13							
C						CAT: RS&T PROJ: Alignment Plans FILE: 6444-dc--ap-01.dgn		<div>SCALE OF METRES</div> <div><div>HOR 0 5 10</div><div>VER 0 1 2</div></div>					
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A													
ISSUE	APP'D	DATE	AMENDMENT						FILE NO.	CONTRACT NO. 1595	SHEET NO. 14	DRAWING NO. 269692	ISSUE



WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

LEGEND FOR SUBSURFACE DRAINAGE
ALL PAVEMENT DRAINS ARE 100 DIA CLASS 1000 PLASTIC PIPE UNLESS OTHERWISE SPECIFIED
CORRUGATED PIPE
SMOOTH PIPE
FLUSHOUT RISER
PIT TYPE S1
OUTLET

BEACHING TYPE 1 UNLESS OTHERWISE SPECIFIED

- GENERAL NOTES**
1. PIPE/CULVERT LABELS DENOTE - NO. OF CELLS, SIZE (DIA/WxH), CLASS, TYPE (IF NOT RCP)
 2. ALL PIPES ARE RC CLASS 2 UNLESS OTHERWISE SPECIFIED
 3. RRJ DENOTES RUBBER RING JOINTS
 4. SUBSURFACE DRAIN OUTLETS 200mm MINIMUM ABOVE TOE OF BATTER OR TABLE DRAIN INVERT UNLESS OTHERWISE SPECIFIED

TECHNICAL CONSULTING
3 PROSPECT HILL ROAD,
CAMBERWELL,
VICTORIA 3124
PHONE (03) 9811 8355
FAX (03) 9811 8329

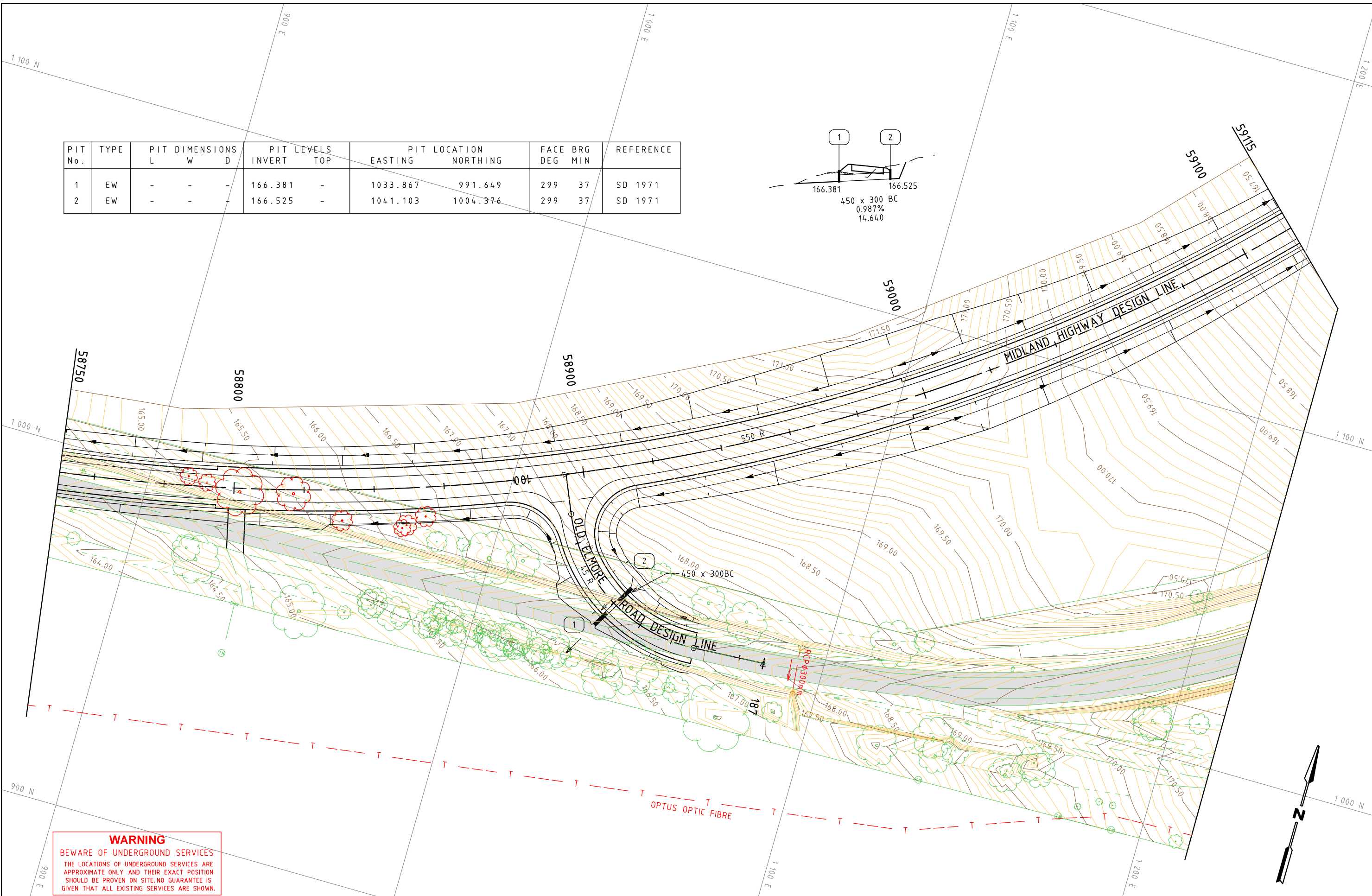
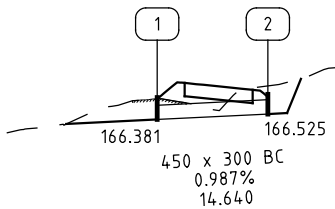
DESIGNED PROJECT DESIGN
APPROVED
V.ROADS
01/06/11
CAT: RS&T
PROJ: Alignment Plans
FILE: 6044-dc--ap-01.dgn



SCALE OF METRES
HOR 0 10 20
VER

CALDER HWY/FWY WOODEND SECTION WOODEND SOUTH INTERCHANGE TO WOODEND NORTH INTERCHANGE CH 68600 - CH 68980 ALIGNMENT PLAN				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
	1524	15	269666	



PIT No.	TYPE	PIT DIMENSIONS			PIT LEVELS		PIT LOCATION		FACE BRG DEG MIN	REFERENCE
		L	W	D	INVERT	TOP	EASTING	NORTHING		
1	EW	-	-	-	166.381	-	1033.867	991.649	299 37	SD 1971
2	EW	-	-	-	166.525	-	1041.103	1004.376	299 37	SD 1971



WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

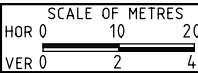
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ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES
1. SURVEY DATUMS: LEVELS - AHD, GRID - LOCAL
2. PIPE/CULVERT LABELS DENOTE NO.OF CELLS, SIZE (DIA/WxH), CLASS, TYPE (IF NOT RCP)

 REMOVE EXISTING TREE
 DIRECTION OF FLOW

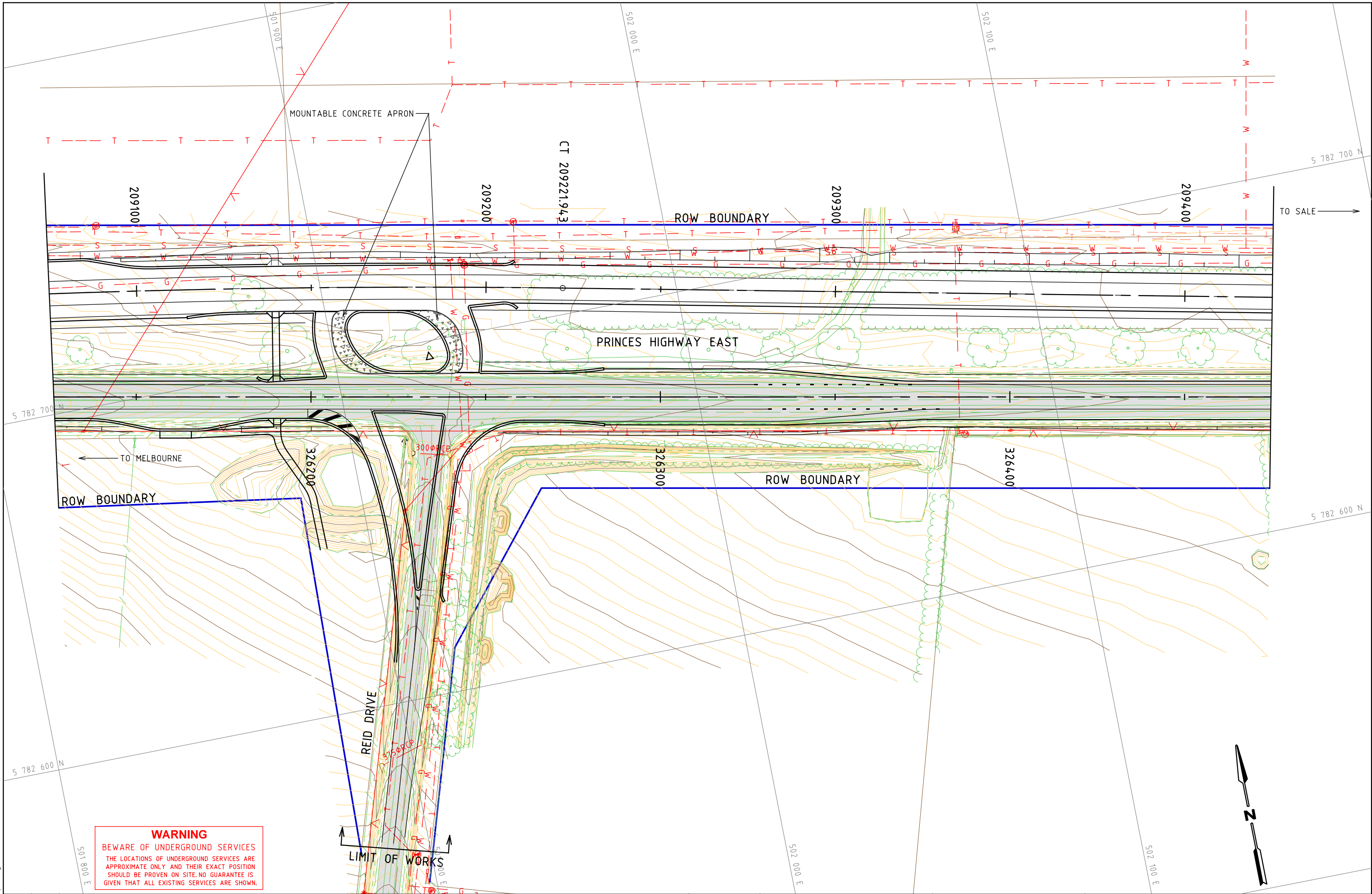
TECHNICAL CONSULTING
3 PROSPECT HILL ROAD,
CAMBERWELL,
VICTORIA 3124
PHONE (03) 9811 8355
FAX (03) 9811 8329

DESIGNED
REGIONAL DESIGN CENTRAL
02/05/11
APPROVED
V.ROADS
01/06/11
CAT: RS&T
PROJ: Alignment Plans
FILE: 7009-dc--ap-01.dgn



MIDLAND HWY
58.6 TO 59.6 KM - CURVE REALIGNMENT
CAMPASPE SHIRE
CH 58750 - CH 59115
ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
	1001	16	269667	




WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE
APPROXIMATE ONLY AND THEIR EXACT POSITION
SHOULD BE PROVEN ON SITE. NO GUARANTEE IS
GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

E	D	C	B	A
ISSUE	APP'D	DATE	AMENDMENT	

GENERAL NOTES	

TECHNICAL CONSULTING 3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329	DESIGNED PROJECT DESIGN
	APPROVED V.ROADS 01/06/11 CAT: RS&T PROJ: Alignment Plans FILE: 7009-pd-a-ap-01.dgn



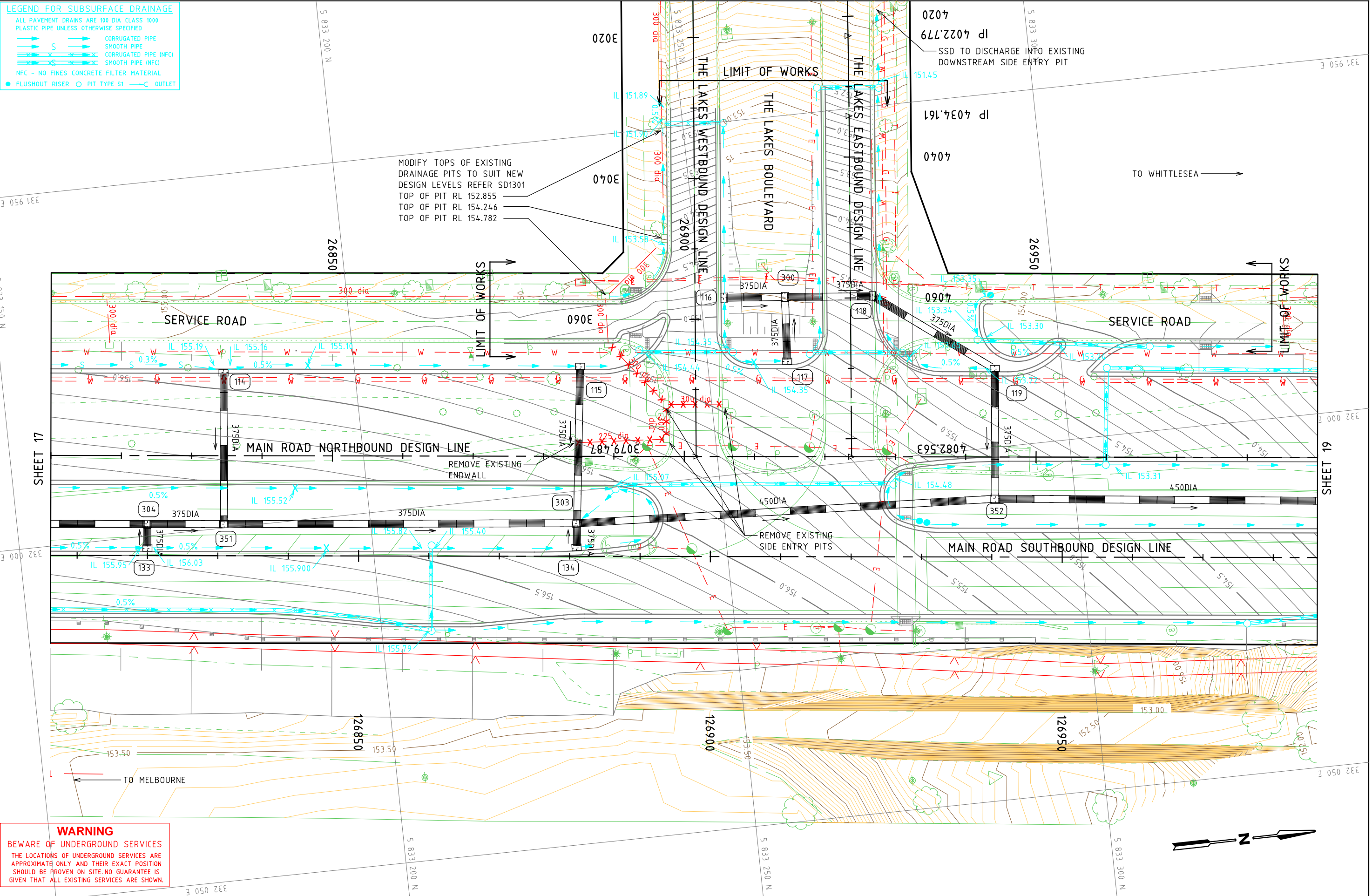
SCALE OF METRES
HOR 0 10 20
VER

PRINCES HWY/FWY (EAST) PRINCES HWY EAST DUPLICATION - WURRUK SECTION EXAMPLE D&C CONCEPT PLAN ALIGNMENT PLAN					
FILE NO.	CONTRACT NO.	SHEET NO. 17	DRAWING NO. 269668	ISSUE	

LEGEND FOR SUBSURFACE DRAINAGE
ALL PAVEMENT DRAINS ARE 100 DIA CLASS 1000
PLASTIC PIPE UNLESS OTHERWISE SPECIFIED

	CORRUGATED PIPE
	SMOOTH PIPE
	CORRUGATED PIPE (NFC)
	SMOOTH PIPE (NFC)
NFC - NO FINES CONCRETE FILTER MATERIAL	
	FLUSHOUT RISER
	PIT TYPE S1
	OUTLET

MODIFY TOPS OF EXISTING
DRAINAGE PITS TO SUIT NEW
DESIGN LEVELS REFER SD1301
TOP OF PIT RL 152.855
TOP OF PIT RL 154.246
TOP OF PIT RL 154.782



WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES
ARE APPROXIMATE ONLY AND THEIR EXACT POSITION
SHOULD BE PROVEN ON SITE. NO GUARANTEE IS
GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

E	D	C	B	A
ISSUE	APP'D	DATE	AMENDMENT	

GENERAL NOTES
1. FOR DRAINAGE LONGITUDINAL SECTIONS REFER DRAWING No's 269670 & 269671
2. REMOVE REDUNDANT EXISTING PIPES, PITS AND ENDWALLS

TECHNICAL CONSULTING

3 PROSPECT HILL ROAD,
CAMBERWELL,
VICTORIA 3124
PHONE (03) 9811 8355
FAX (03) 9811 8329

DESIGNED PROJECT DESIGN

APPROVED
V.ROADS
01/06/11

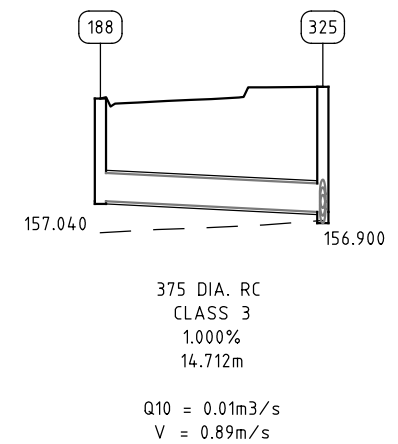
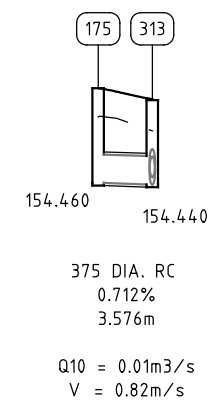
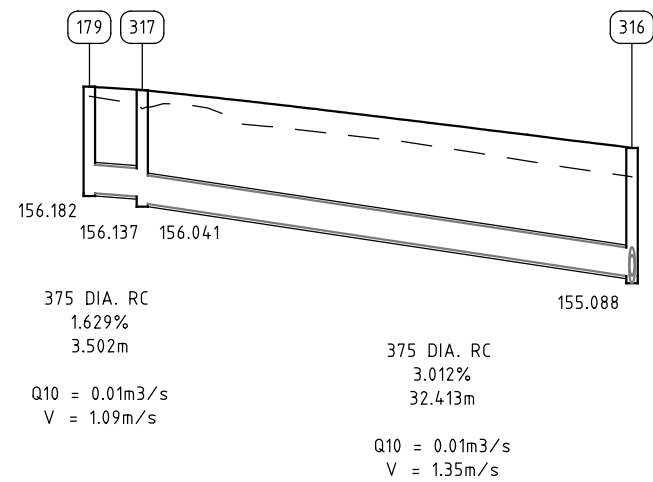
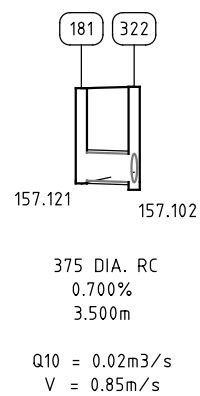
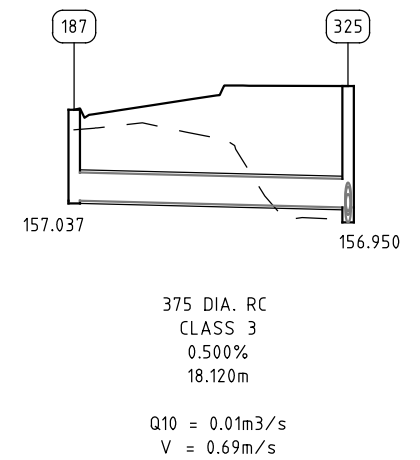
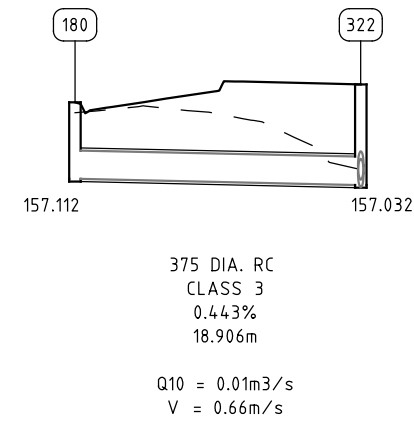
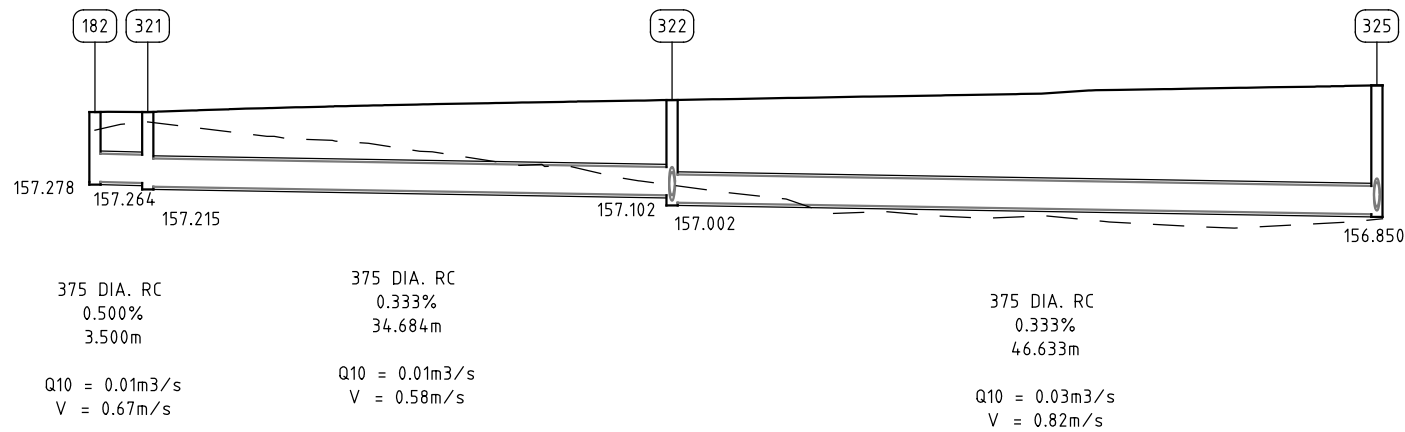
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PROJ: Drainage Plans
FILE: 6004-pd-a-adl-01.dgn



SCALE OF METRES
HOR 0 5 10
VER

MAIN RD
GORDONS ROAD TO RIVERDALE BOULEVARD
CH 26810 - CH 26990
DRAINAGE ALIGNMENT PLAN

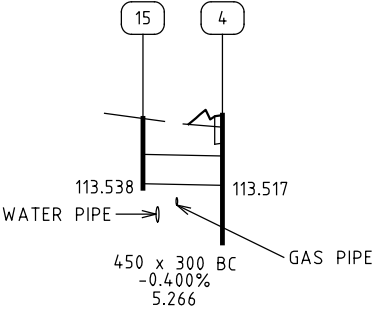
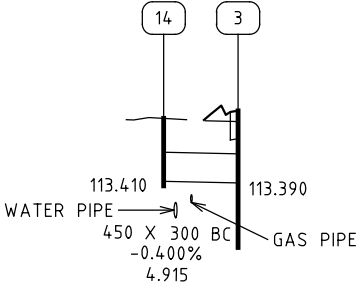
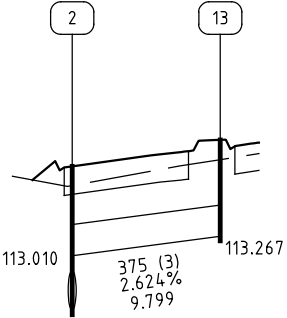
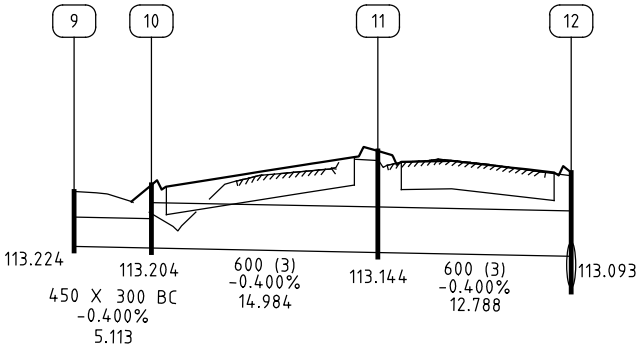
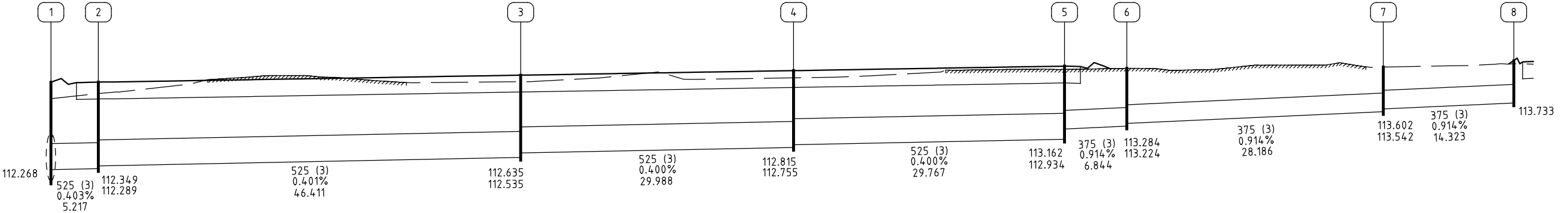
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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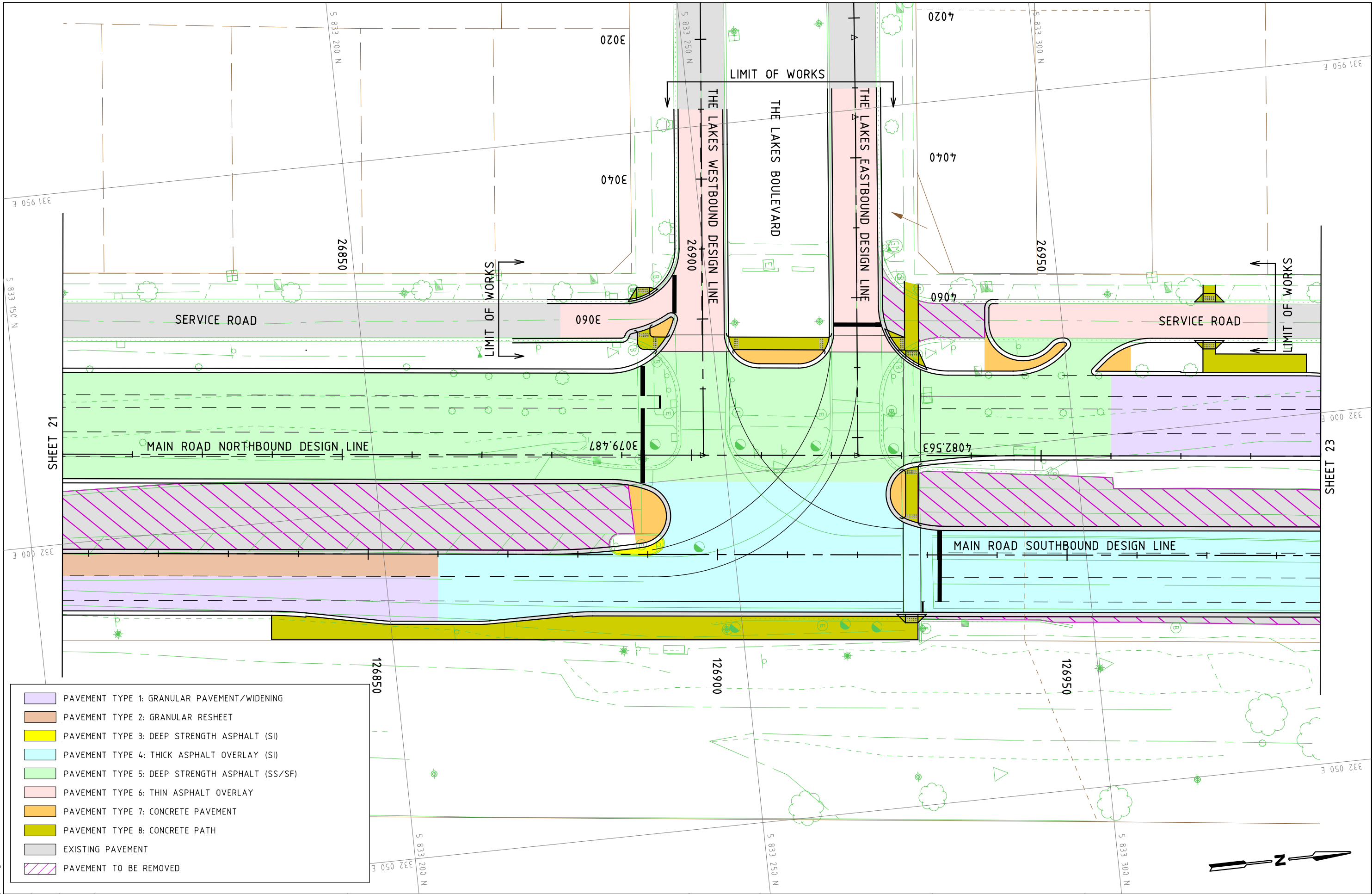
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E				<div>GENERAL NOTES</div> <div>1. PIPE/CULVERT LABELS DENOTE - NO.OF CELLS, SIZE (DIA/WxH)</div> <div>2. LONGITUDINAL SECTION ALSO INCLUDES SLOPE, LENGTH ALONG SLOPE & PIPE INVERT LEVELS AT INTERNAL PIT WALLS</div> <div>3. PIT SCHEDULE SHOWS PIT INVERT LEVELS</div> <div>4. ALL PIPES ARE RC CLASS 2 UNLESS OTHERWISE SPECIFIED</div> <div>5. ALL PIPES TO HAVE RUBBER RING JOINTS UNLESS OTHERWISE SPECIFIED</div> <div>6. BATTERS TO BE LOCALLY MODIFIED TO SUIT ENDWALLS</div> <div>7. REFER DRAINAGE PLANS FOR EXTENT OF BEACHING</div>	<div>TECHNICAL CONSULTING</div> <div>3 PROSPECT HILL ROAD,</div> <div>CAMBERWELL,</div> <div>VICTORIA, 3124</div> <div>PHONE (03) 9811 8355</div> <div>FAX (03) 9811 8329</div>	DESIGNED PROJECT DESIGN			<div>MAIN RD</div> <div>GORDONS ROAD TO RIVERDALE BOULEVARD</div> <div>SHEET 6 OF 7</div> <div>DRAINAGE LONGITUDINALS</div>				
D													
C													
B						APPROVED V.ROADS 01/06/11							
A						CAT: RS&T PROJ: Drainage Plans FILE: 6004-pd-a-dl-01.dgn			SCALE OF METRES HOR 0 5 10 VER 0 1 2		FILE NO.	CONTRACT NO. 1234	SHEET NO. 19
ISSUE	APP'D	DATE	AMENDMENT										

PIT No.	TYPE	PIT DIMENSIONS			PIT LEVELS		PIT LOCATION		FACE BRG DEG MIN	REFERENCE	REMARKS
		L	W	D	INVERT	TOP	EASTING	NORTHING			
1	JP				EXISTING						MODIFY TOP EXISTING JP TO SUIT NEW KERB AND CHANNEL LEVEL
2	SEP	1000	750	2033	112.229	114.262	358819.556	5971812.183	108° 11'	SD1121C SD1301C	
		1000B	2235B								
3	JP	1000	750	1871	112.473	114.344	358863.271	5971796.301	108° 07'	SD1131C	
4	JP	1000	750	1752	112.692	114.444	358891.781	5971786.972	108° 07'	SD1131C	
5	JP	1000	750	1671	112.872	114.543	358920.082	5971777.712	108° 07'	SD1131C	
6	GP	1000	750	1242	113.152	114.394	358926.917	5971777.206	198° 02'	SD1411F	
7	GP	1000	750	949	113.471	114.420	358952.317	5971764.966	272° 14'	SD1411F	
8	SEP	1000	750	1060	113.661	114.721	358965.218	5971758.736	248° 13'	SD1301C	
9	GP	1000	750	622	113.156	113.778	358702.060	5971850.743	197° 59'	SD1411F	
10	SEP	1000	750	964	113.135	114.099	358700.220	5971845.973	111° 06'	SD1301C	
11	JP	1000	750	1410	113.075	114.485	358694.824	5971831.994	111° 06'	SD1121C	
12	JP	1000	750	1668	112.619	114.287	358690.269	5971820.039	105° 06'	SD1121C	
		1000B	805B								
13	SEP	1000	750	1286	113.258	114.544	358816.631	5971801.269	108° 11'	SD1301C	
14	GP	1000	750	755	113.341	114.096	358864.806	5971800.980	197° 59'	SD1411F	
15	GP	1000	750	755	113.470	114.225	358893.430	5971791.989	197° 59'	SD1411F	



E				GENERAL NOTES 1. SURVEY DATUMS: LEVELS - AHD, GRID - AMG ZONE 55 2. PIPE/CULVERT LABELS DENOTE NO. OF CELLS, SIZE (DIA/WxH), CLASS, TYPE (IF NOT RCP) 3. LONGITUDINAL SECTION ALSO INCLUDES SLOPE, LENGTH ALONG SLOPE & INVERT LEVELS 4. PIPE INVERT LEVELS, LENGTHS & SLOPES GIVEN TO CENTRE OF PIT SHAFT. REFER SD1002B. 5. LONGITUDINAL SECTIONS SHOW PIPE INVERT LEVELS. PIT SCHEDULE SHOWS PIT I.L.'s	TECHNICAL CONSULTING 3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA, 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329	DESIGNED REGIONAL DESIGN CENTRAL 03/04/13			BELMORE RD BENALLA-WINTON RD TO GRETA ST BENALLA RURAL CITY						
D						APPROVED V.ROADS 10/04/13			DRAINAGE LONGITUDINAL						
C						CAT: RS&T PROJ: Drainage Plans FILE: 6224-dc--dl-01.dgn			SCALE OF METRES		FILE NO.	CONTRACT NO. 1777	SHEET NO. 21	DRAWING NO. 602038	ISSUE
B									HOR 0 5 10						
A									VER 0 1 2						
ISSUE	APP'D	DATE	AMENDMENT												



- PAVEMENT TYPE 1: GRANULAR PAVEMENT/WIDENING
- PAVEMENT TYPE 2: GRANULAR RESHEET
- PAVEMENT TYPE 3: DEEP STRENGTH ASPHALT (SI)
- PAVEMENT TYPE 4: THICK ASPHALT OVERLAY (SI)
- PAVEMENT TYPE 5: DEEP STRENGTH ASPHALT (SS/SF)
- PAVEMENT TYPE 6: THIN ASPHALT OVERLAY
- PAVEMENT TYPE 7: CONCRETE PAVEMENT
- PAVEMENT TYPE 8: CONCRETE PATH
- EXISTING PAVEMENT
- PAVEMENT TO BE REMOVED

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ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES
1. REDUNDANT PAVEMENT TO BE REMOVED IN ACCORDANCE WITH SPECIFICATION
2. JOINTS TO BE LOCATED WITHIN 300mm OF TRAFFIC LANE LINES
OR WITHIN 300mm OF CENTRE OF TRAFFIC LANE (REFER SPECIFICATION)

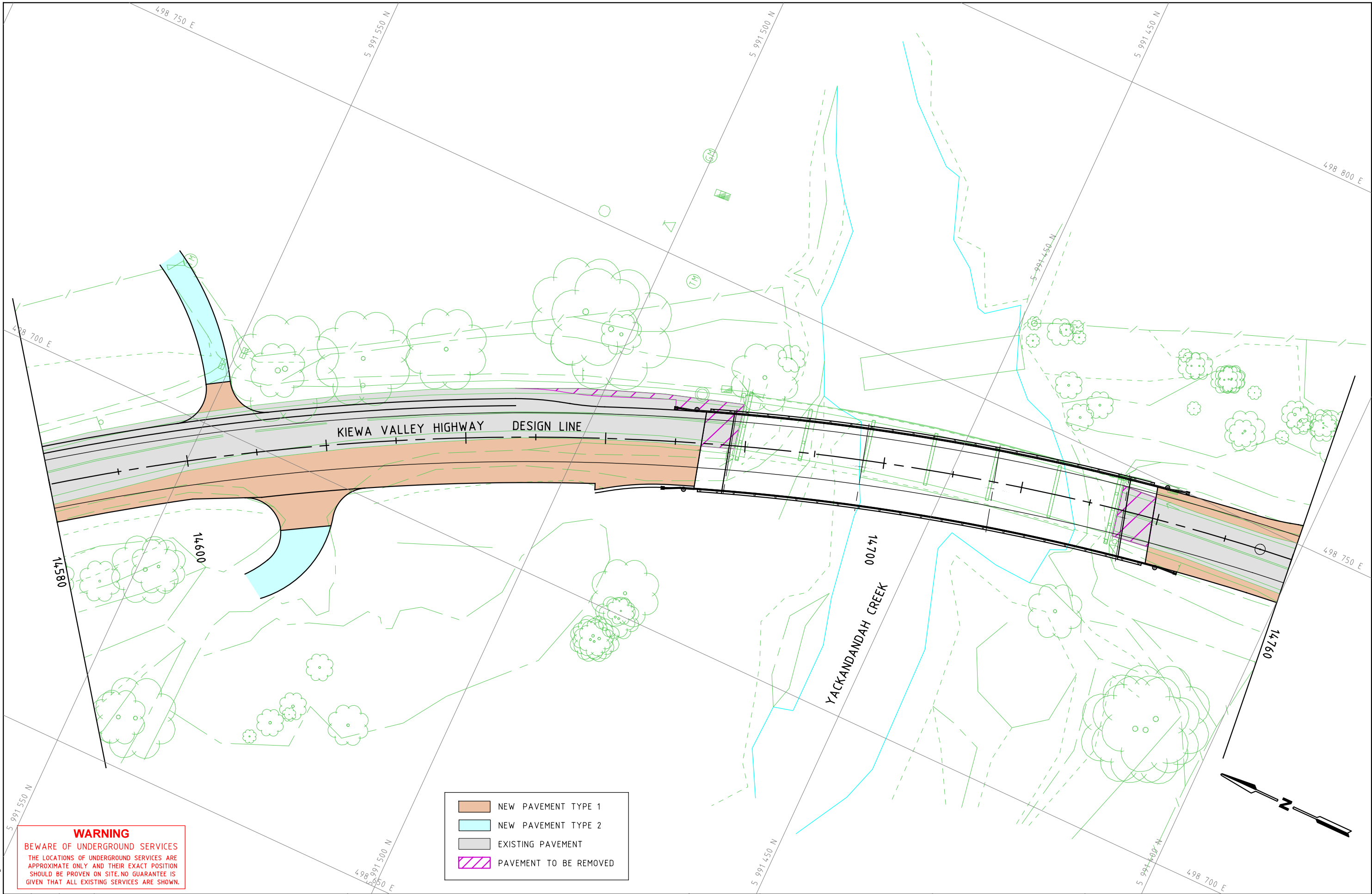
TECHNICAL CONSULTING
3 PROSPECT HILL ROAD,
CAMBERWELL,
VICTORIA 3124
PHONE (03) 9811 8355
FAX (03) 9811 8329

DESIGNED
PROJECT DESIGN
08/06/11
APPROVED
V.ROADS
1/06/11
CAT: RS&T
PROJ: Pavement Type Limit Plans
FILE: 6004-pd-a-ptl-01.dgn

SCALE OF METRES
HOR 0 5 10
VER

MAIN RD GORDONS ROAD TO RIVERDALE BOULEVARD CH 26810 - CH 26990 PAVEMENT TYPE LIMITS			
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.
	1234	22	269690
ISSUE			

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7:55:04 AM 6004-pd-a-ptl-01.dgn



WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE
APPROXIMATE ONLY AND THEIR EXACT POSITION
SHOULD BE PROVEN ON SITE. NO GUARANTEE IS
GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

- NEW PAVEMENT TYPE 1
- NEW PAVEMENT TYPE 2
- EXISTING PAVEMENT
- PAVEMENT TO BE REMOVED

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ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES

TECHNICAL
CONSULTING

3 PROSPECT HILL ROAD,
CAMBERWELL,
VICTORIA 3124
PHONE (03) 9811 8355
FAX (03) 9811 8329

DESIGNED
REGIONAL DESIGN CENTRAL
03/04/13

APPROVED
V.ROADS
10/04/13

CAT: RS&T
PROJ: Pavement Type Limit Plans
FILE: 6444-dc--ptl-01.dgn



SCALE OF METRES
HOR 0 5 10
VER 0 1 2


KIEWA VALLEY HWY YACKANDANDAH CREEK BRIDGE WODONGA RURAL CITY CH 14580 - CH 14760 PAVEMENT TYPE LIMITS			
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.
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ISSUE			

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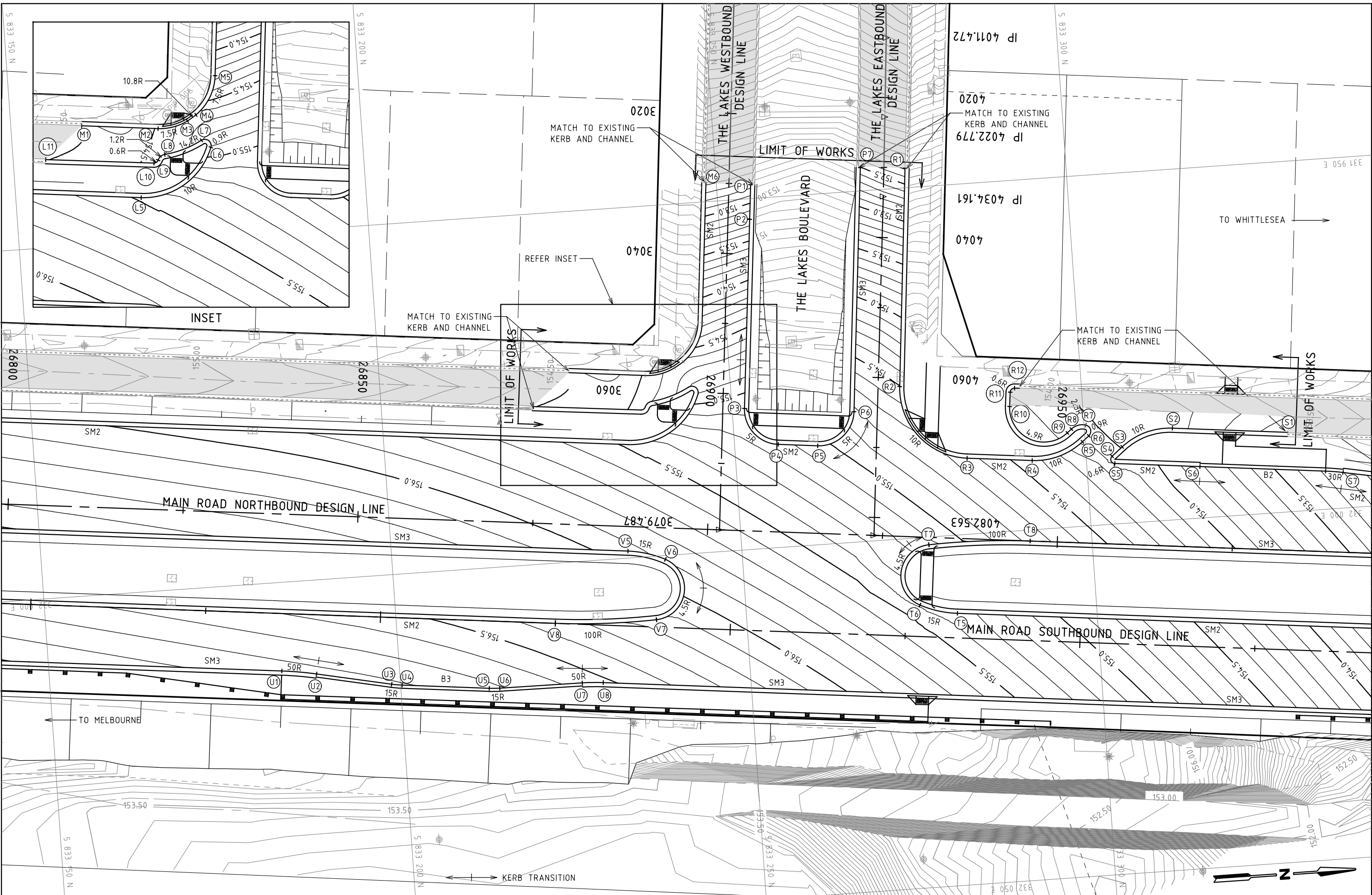
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ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES
1. SURVEY DATUMS: LEVEL - AHD, GRID - MGA ZONE 55
2. SETOUT POINTS FOR KERB AND CHANNEL ARE TO LIP
3. FOR SURFACE TREATMENT OF ISLANDS REFER PAVEMENT TYPE LIMITS PLANS
4. PRAM CROSSINGS AND TRAFFIC ISLANDS TO INCLUDE TACTILE GROUND SURFACE INDICATORS REFER AS/NZS 1428.4 & RDN 06-05 & RDN 06-06

TECHNICAL CONSULTING 3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329	DESIGNED PROJECT DESIGN APPROVED V.ROADS 01/06/11 CAT: RS&T PROJ: Detail Plans FILE: 6004-pd-a-dp-01.dgn
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	SCALE OF METRES HOR 0 5 10 VER
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MAIN RD GORDONS ROAD TO RIVERDALE BOULEVARD THE LAKES BOULEVARD INTERSECTION DETAIL PLAN			
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.
	1234	24	269673
ISSUE		ISSUE	




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POINT	EASTING	NORTHING	R.L
L5	331983.823	5833234.848	155.566
L6	331977.350	5833245.282	155.010
L7	331976.247	5833244.008	154.879
L8	331977.903	5833238.631	154.602
L9	331978.649	5833237.637	154.567
L10	331979.021	5833237.020	154.548
L11	331977.458	5833221.614	154.515
M1	331972.989	5833227.087	154.428
M2	331974.158	5833237.943	154.515
M3	331973.354	5833242.208	154.639
M4	331972.572	5833243.486	154.626
M5	331967.187	5833246.601	154.263
M6	331947.298	5833248.534	152.568
P1	331948.026	5833254.875	152.763
P2	331952.949	5833254.406	153.214
P3	331979.832	5833251.781	155.109
P4	331985.290	5833256.229	155.247
P5	331985.886	5833261.841	155.154
P6	331981.394	5833267.346	154.921
P7	331946.694	5833270.692	152.000
R1	331935.218	5833278.188	152.286
R2	331978.254	5833274.114	154.620
R3	331989.140	5833283.014	154.690
R4	331990.123	5833292.266	154.479
R5	331987.957	5833299.607	154.199
R6	331987.177	5833300.572	154.153
R7	331985.613	5833300.258	154.103
R8	331986.033	5833298.170	154.082
R9	331986.539	5833297.544	154.083
R10	331982.209	5833289.592	154.137
R11	331980.163	5833289.810	154.084
R12	331979.630	5833290.470	154.039
S1	331988.664	5833328.971	153.539
S2	331986.910	5833312.574	153.864
S3	331989.075	5833305.225	154.189
S4	331990.308	5833303.699	154.229
S5	331991.371	5833304.013	154.223
S6	331992.657	5833316.117	153.902
S7	331994.554	5833333.985	153.529
S8	331994.921	5833336.452	153.454
T5	332011.154	5833280.081	155.368
T6	332009.591	5833274.831	155.436
T7	332001.088	5833276.706	155.273
T8	332001.571	5833291.169	154.942
U1	332012.631	5833183.218	156.846
U2	332013.403	5833188.139	156.834
U3	332015.613	5833198.739	156.814
U4	332015.844	5833200.215	156.809
U5	332017.162	5833212.619	156.723
U6	332017.245	5833214.111	156.708
U7	332017.318	5833225.936	156.562
U8	332017.485	5833228.921	156.523
V5	331998.992	5833233.752	156.019
V6	332000.556	5833239.001	155.962
V7	332009.058	5833237.127	156.125
V8	332008.575	5833222.663	156.349

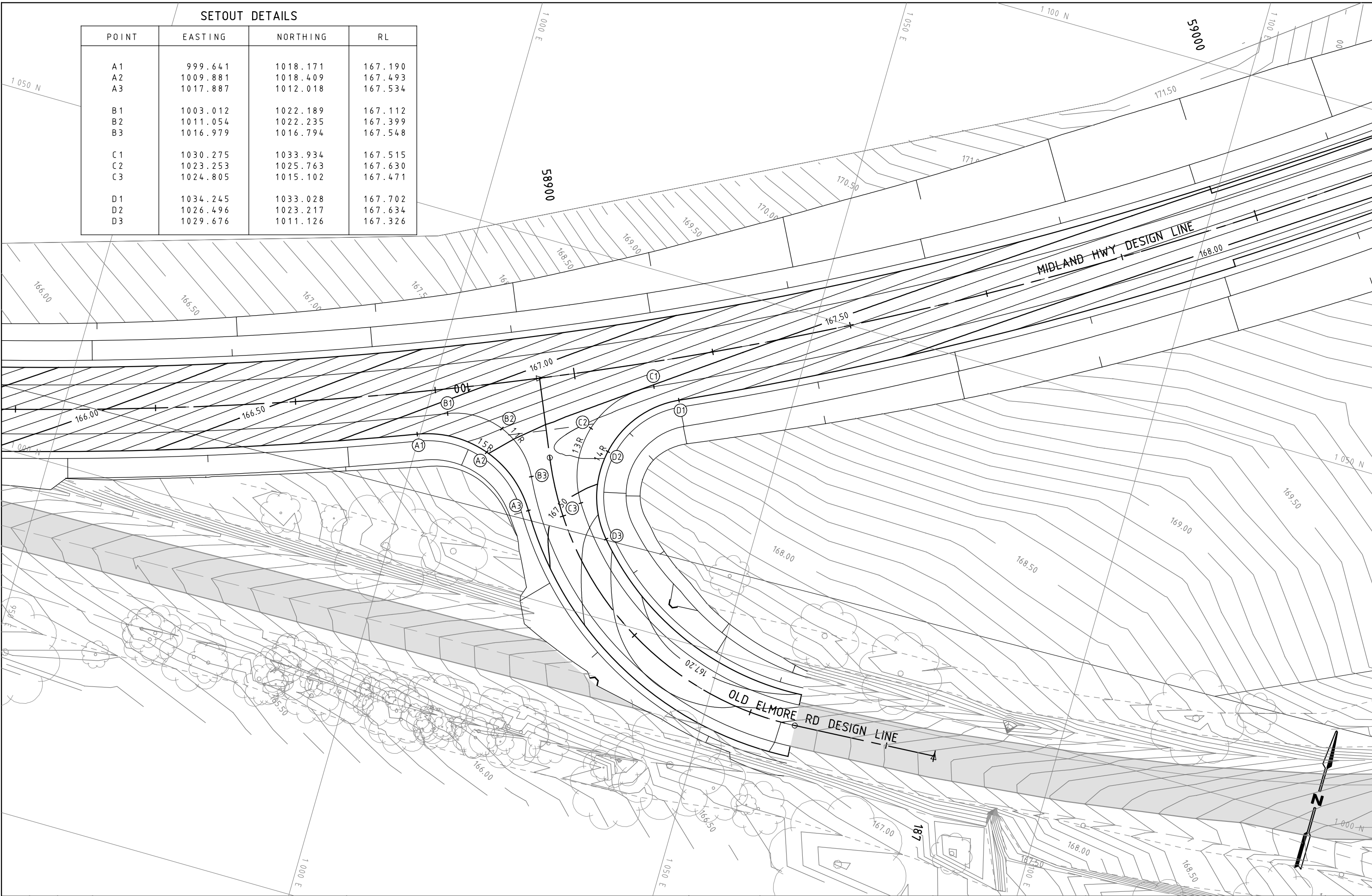
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ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES

TECHNICAL CONSULTING	DESIGNED PROJECT DESIGN	
3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329	APPROVED V.ROADS 01/06/11	
	CAT: RS&T PROJ: Detail Plans FILE: 6004-pd-a-sod-02.dgn	
HOR		SCALE OF METRES NOT TO SCALE
VER		

MAIN RD GORDONS ROAD TO RIVERDALE BOULEVARD THE LAKES BOULEVARD INTERSECTION SETTING OUT DETAILS				
FILE NO.	CONTRACT NO. 1234	SHEET NO. 25	DRAWING NO. 269674	ISSUE

SETOUT DETAILS			
POINT	EASTING	NORTHING	RL
A1	999.641	1018.171	167.190
A2	1009.881	1018.409	167.493
A3	1017.887	1012.018	167.534
B1	1003.012	1022.189	167.112
B2	1011.054	1022.235	167.399
B3	1016.979	1016.794	167.548
C1	1030.275	1033.934	167.515
C2	1023.253	1025.763	167.630
C3	1024.805	1015.102	167.471
D1	1034.245	1033.028	167.702
D2	1026.496	1023.217	167.634
D3	1029.676	1011.126	167.326



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ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES
1. SURVEY DATUMS: LEVELS - AHD, GRID - LOCAL

TECHNICAL CONSULTING
3 PROSPECT HILL ROAD,
CAMBERWELL,
VICTORIA 3124
PHONE (03) 9811 8355
FAX (03) 9811 8329

DESIGNED
REGIONAL DESIGN CENTRAL
02/05/11

APPROVED
V.ROADS
01/06/11


CAT: RS&T
PROJ: Detail Plans
FILE: 7009-dc--sod-01.dgn


SCALE OF METRES
HOR 0 5 10
VER


MIDLAND HWY 58.6 TO 59.6 KM - CURVE REALIGNMENT CAMPASPE SHIRE				
DETAIL PLAN				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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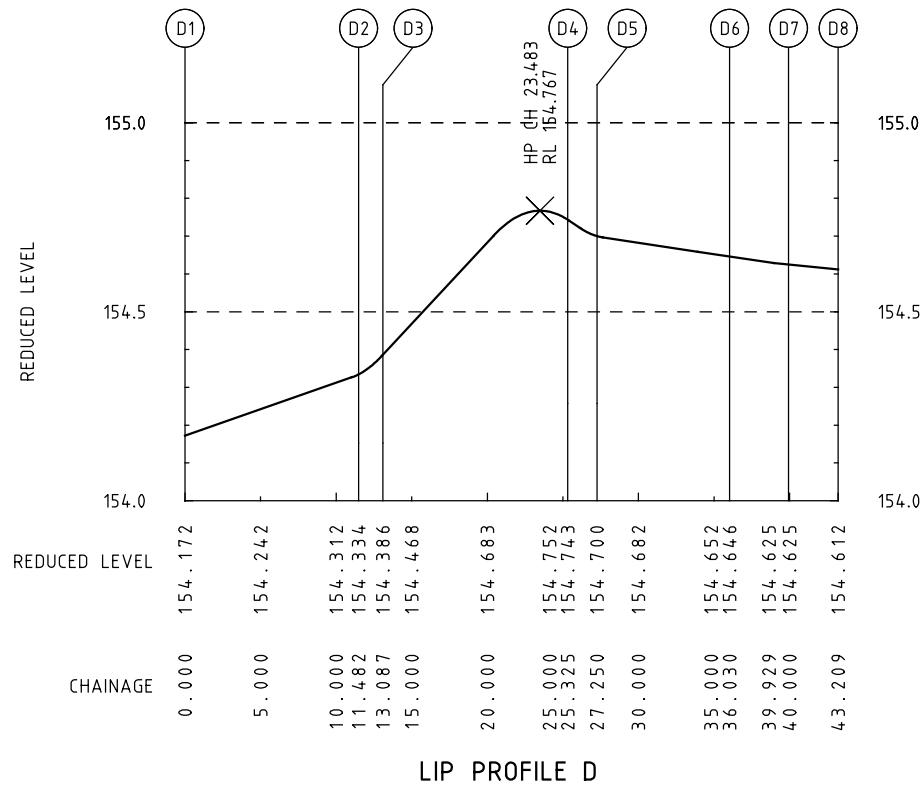
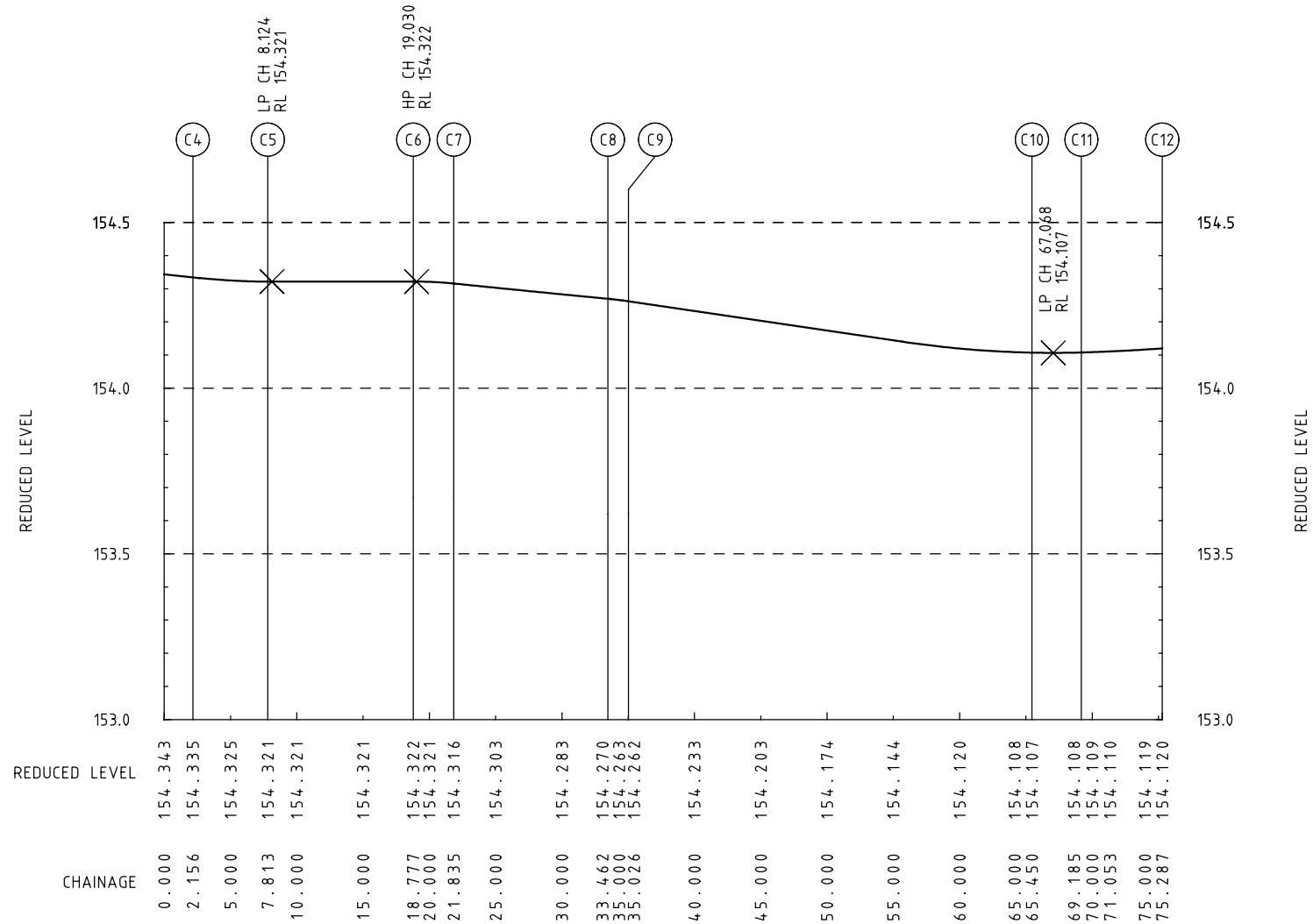
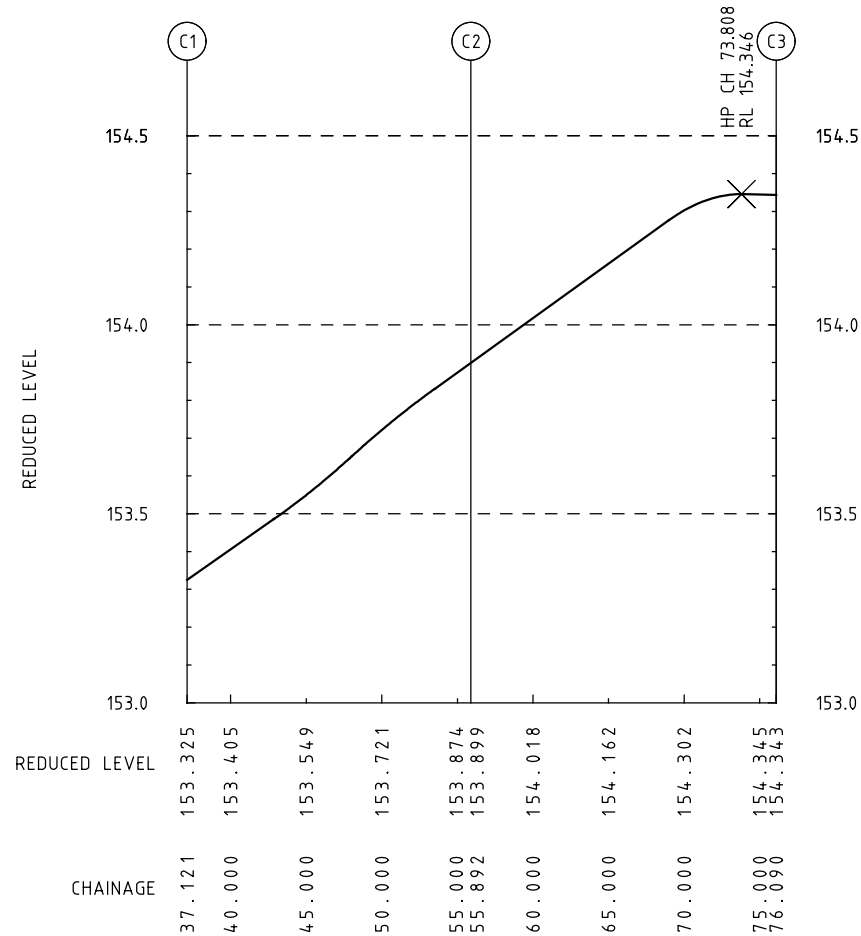
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ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES 1. SURVEY DATUMS: LEVELS - AHD, GRID - AMG ZONE 55 2. SET OUT POINTS ARE TO LIP OF KERB & CHANNEL UNLESS OTHERWISE SHOWN	TECHNICAL CONSULTING 3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329	DESIGNED PROJECT DESIGN APPROVED V.ROADS 01/06/11 CAT: RS&T PROJ: Lip Profiles FILE: 6004-pd-a-lip-01.dgn		SCALE OF METRES HOR 0 5 10 VER 0 0.2 0.4	FILE NO. CONTRACT NO. 1234 SHEET NO. 27 DRAWING NO. 269676 ISSUE

3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329	DESIGNED PROJECT DESIGN APPROVED V.ROADS 01/06/11 CAT: RS&T PROJ: Lip Profiles FILE: 6004-pd-a-lip-01.dgn		SCALE OF METRES HOR 0 5 10 VER 0 0.2 0.4	FILE NO. CONTRACT NO. 1234 SHEET NO. 27 DRAWING NO. 269676 ISSUE

3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329	DESIGNED PROJECT DESIGN APPROVED V.ROADS 01/06/11 CAT: RS&T PROJ: Lip Profiles FILE: 6004-pd-a-lip-01.dgn		SCALE OF METRES HOR 0 5 10 VER 0 0.2 0.4	FILE NO. CONTRACT NO. 1234 SHEET NO. 27 DRAWING NO. 269676 ISSUE

MAIN RD GORDONS ROAD TO RIVERDALE BOULEVARD GORDONS ROAD INTERSECTION LIP PROFILES C & D				
FILE NO.	CONTRACT NO. 1234	SHEET NO. 27	DRAWING NO. 269676	ISSUE



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ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES
1. SURVEY DATUMS: LEVELS - AHD, GRID - AMG ZONE 55
2. SET OUT POINTS ARE TO LIP OF KERB & CHANNEL UNLESS OTHERWISE SHOWN


TECHNICAL
CONSULTING

3 PROSPECT HILL ROAD,
CAMBERWELL,
VICTORIA 3124
PHONE (03) 9811 8355
FAX (03) 9811 8329

DESIGNED
REGIONAL DESIGN CENTRAL
29/04/11

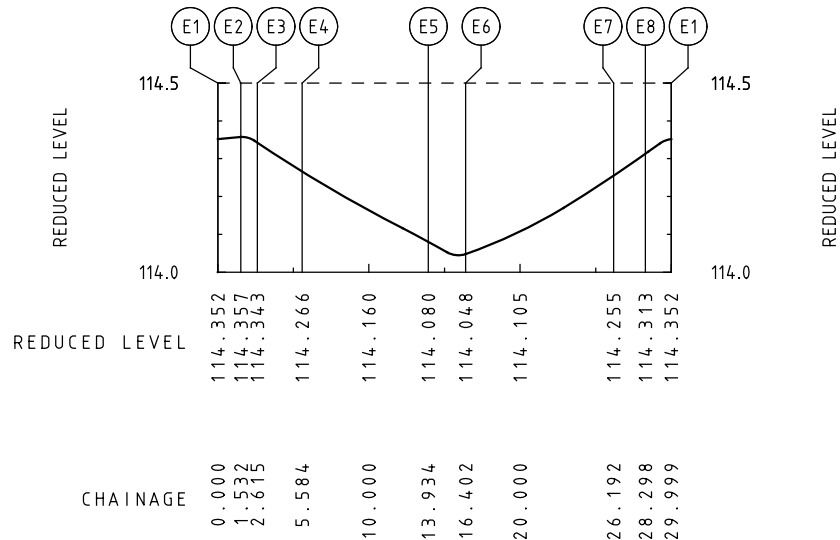
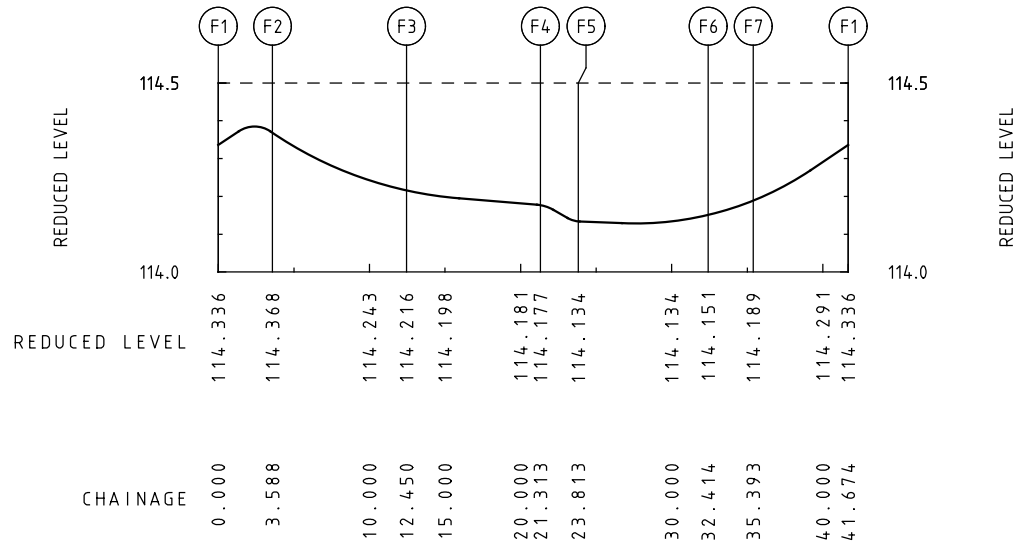
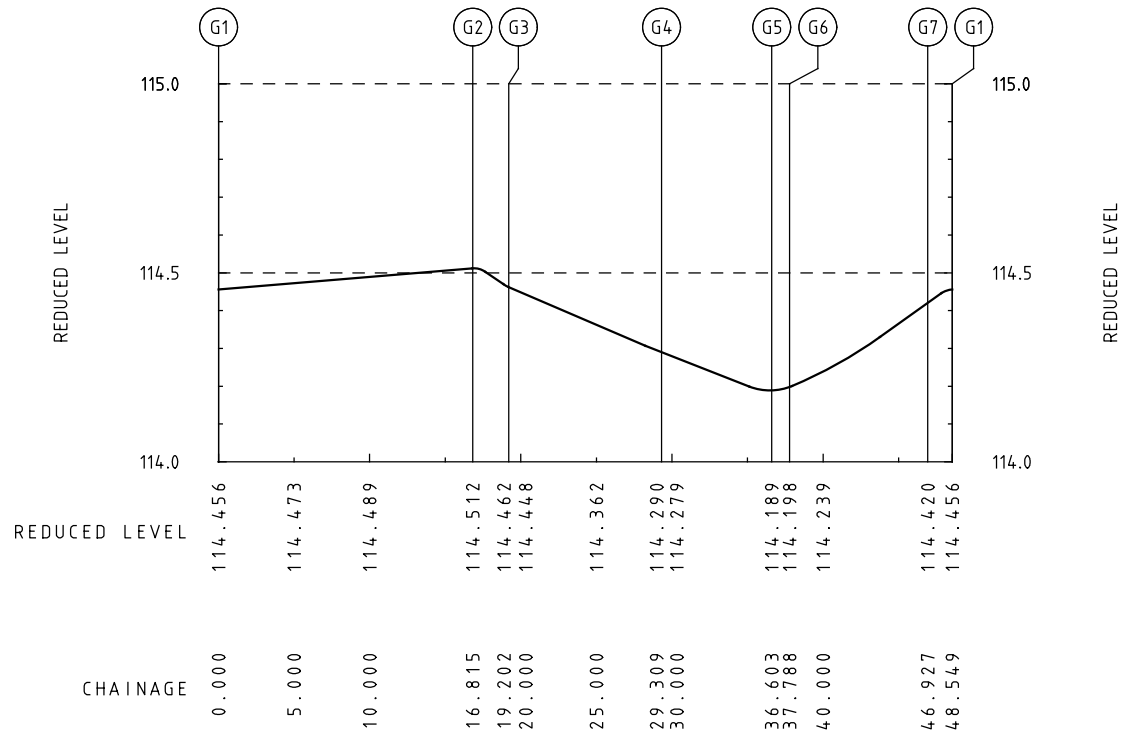
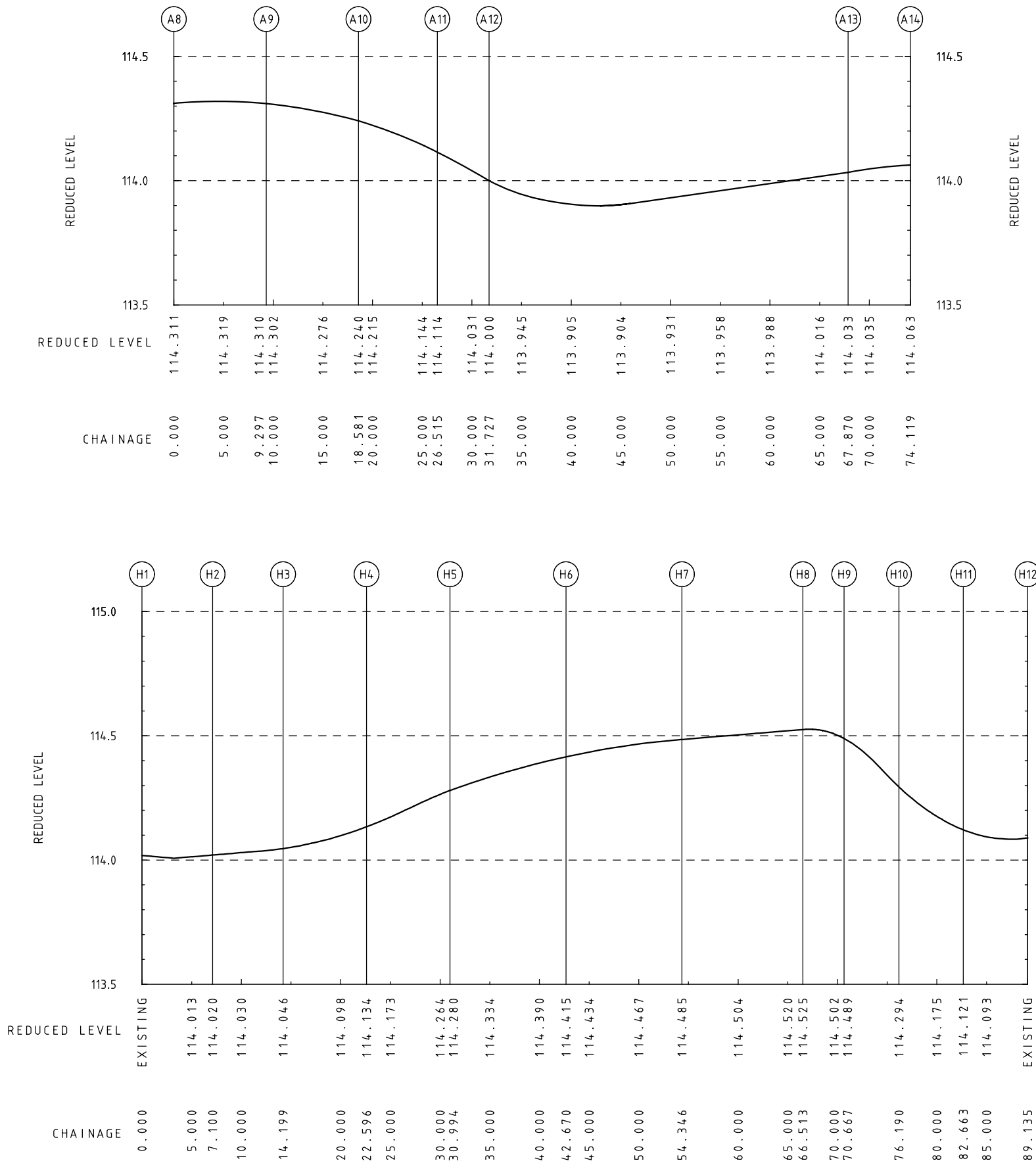
APPROVED
V.ROADS
01/06/11

CAT: RS&T
PROJ: Lip Profiles
FILE: 6004-dc--lip-01.dgn



SCALE OF METRES
HOR 0 5 10
VER 0 0.2 0.4

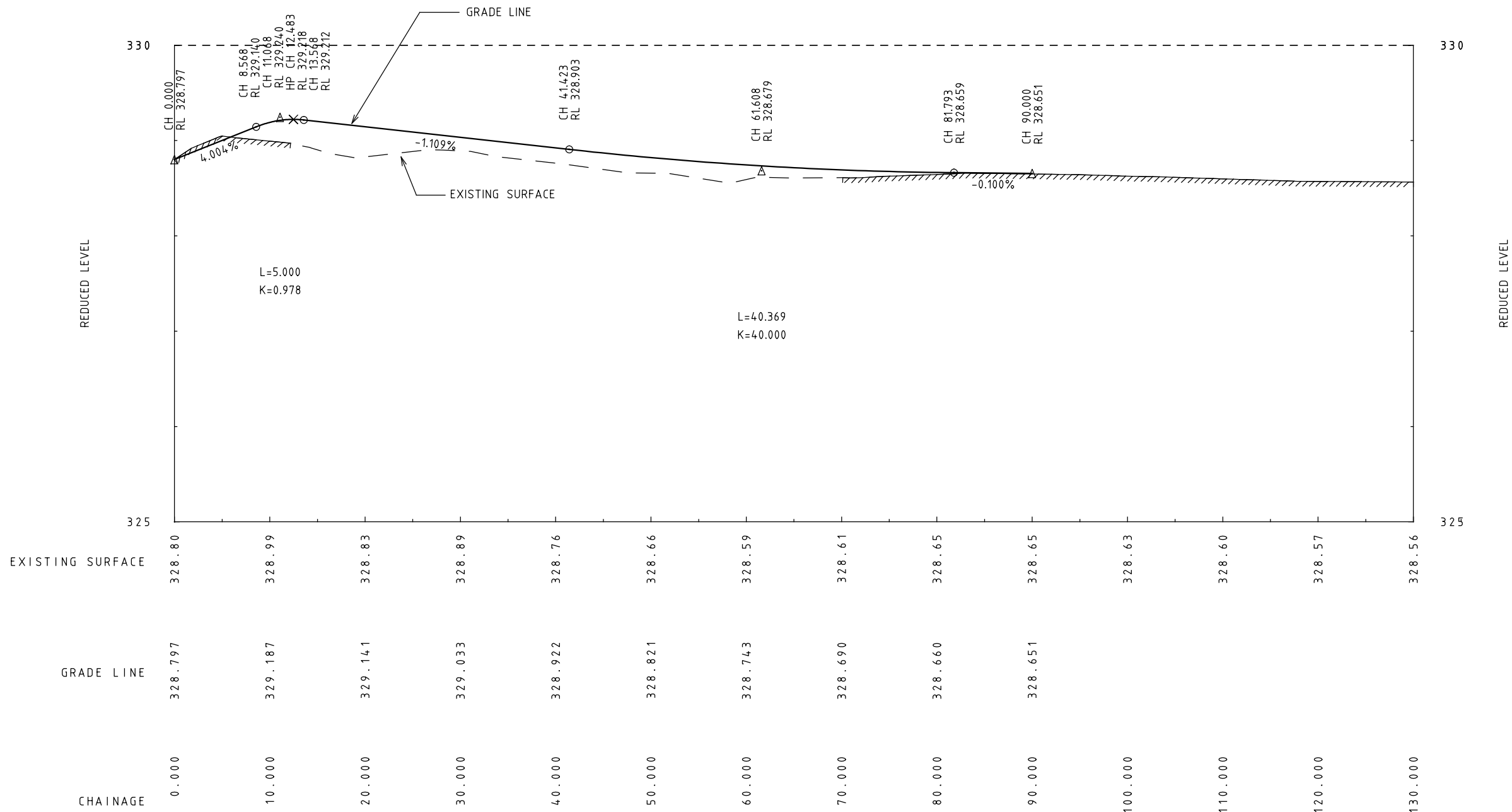
MIDLAND HWY (SEC 5) LORENCE ST TO DOYLES RD GREATER SHEPPARTON CITY LIP A, E, F, G, H LIP PROFILES			
FILE NO.	CONTRACT NO. 1765	SHEET NO. 28	DRAWING NO. 269677
ISSUE			





E				GENERAL NOTES	TECHNICAL CONSULTING 3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA, 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329	DESIGNED PROJECT DESIGN			MAIN RD GORDONS ROAD TO RIVERDALE BOULEVARD CH 26000 - CH 26600 LONGITUDINAL SECTION						
D						APPROVED V.ROADS 1/06/11									
C						CAT: RS&T PROJ: Longitudinal Sections FILE: 6004-pd-a-ls-01.dgn			SCALE OF METRES HOR 0 20 40 VER 0 2 4		FILE NO.	CONTRACT NO. 1234	SHEET NO. 29	DRAWING NO. 269678	ISSUE
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ISSUE	APP'D	DATE	AMENDMENT												

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GENERAL NOTES

TECHNICAL CONSULTING	DESIGNED REGIONAL DESIGN CENTRAL 11/05/11
3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329	APPROVED V.ROADS 01/06/11
CAT: RS&T PROJ: Longitudinal Sections FILE: 6004-dc--ls-01.dgn	

	SCALE OF METRES HOR 0 5 10 VER 0 0.5 1
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MOUNT BULLER RD MANSFIELD - WOODS ROAD INTERSECTION MANSFIELD SHIRE MANSFIELD - WOODS ROAD LONGITUDINAL SECTION			
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.
	1237	30	269679
ISSUE			

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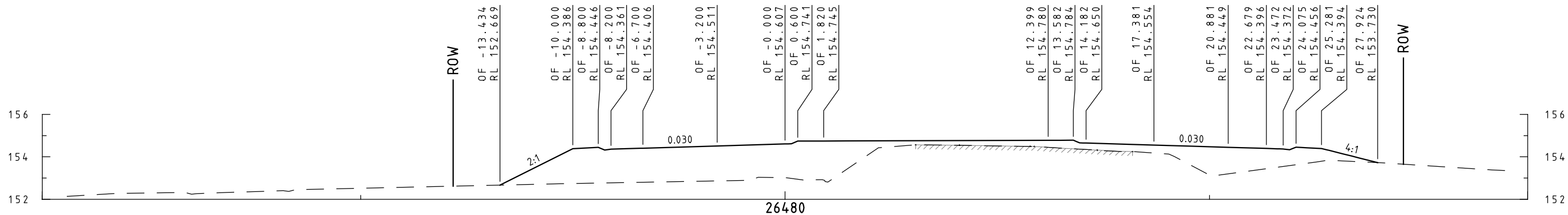
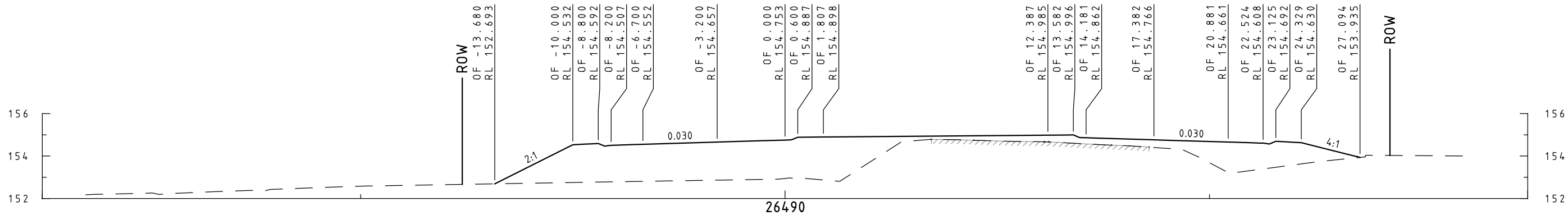
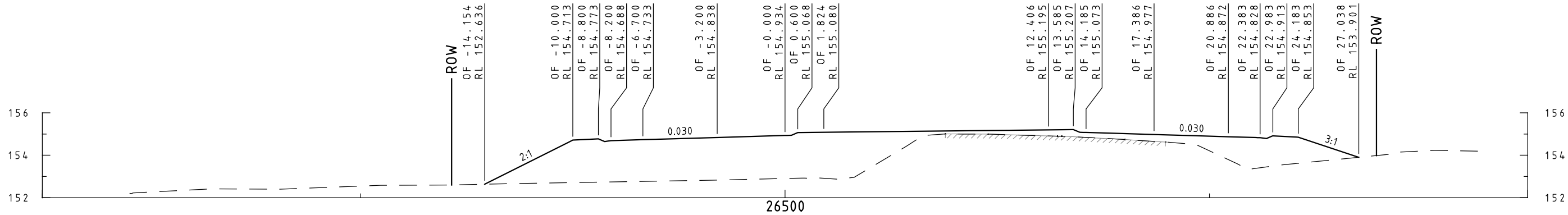
GENERAL NOTES

TECHNICAL CONSULTING	DESIGNED PROJECT DESIGN
3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329	APPROVED V.ROADS 01/06/11
CAT: RS&T PROJ: Cross Sections FILE: 6004-pd-a-cs-01.dgn	

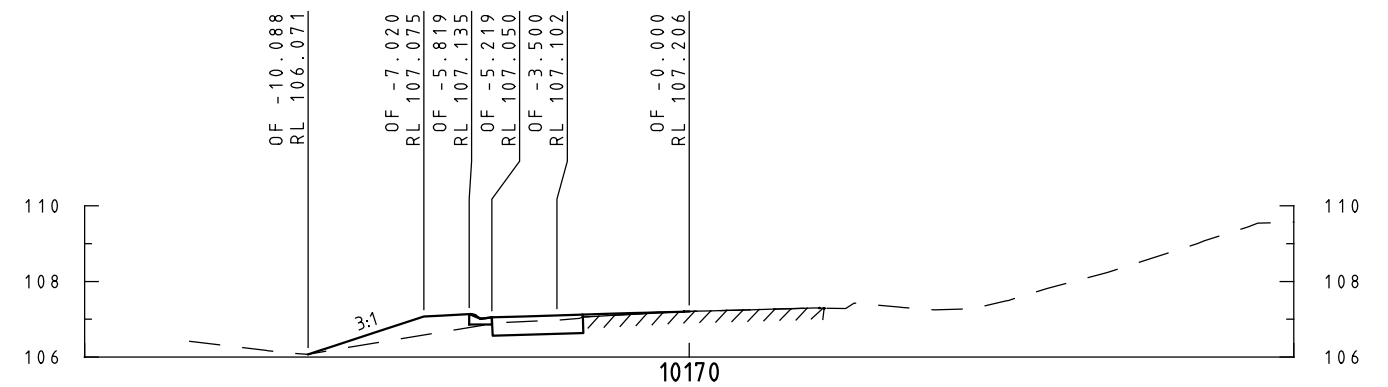
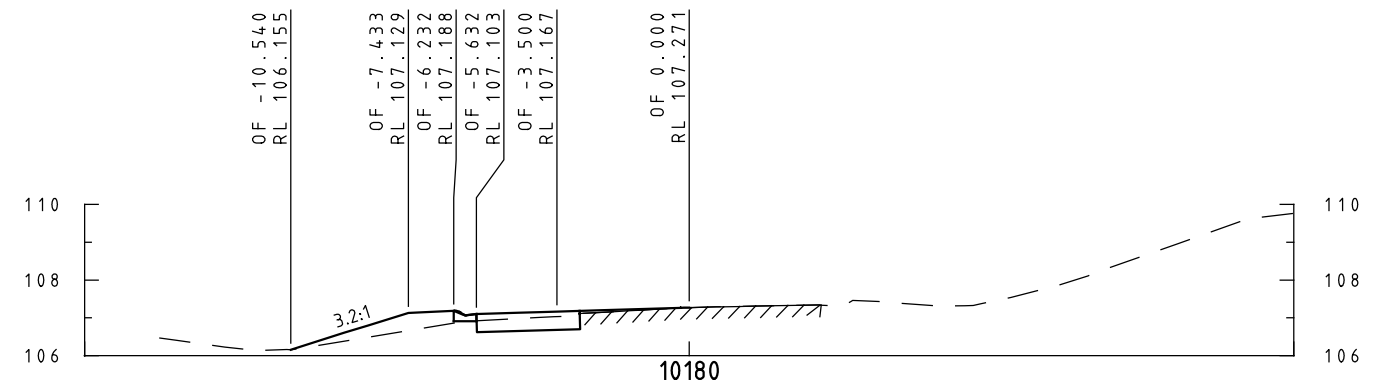
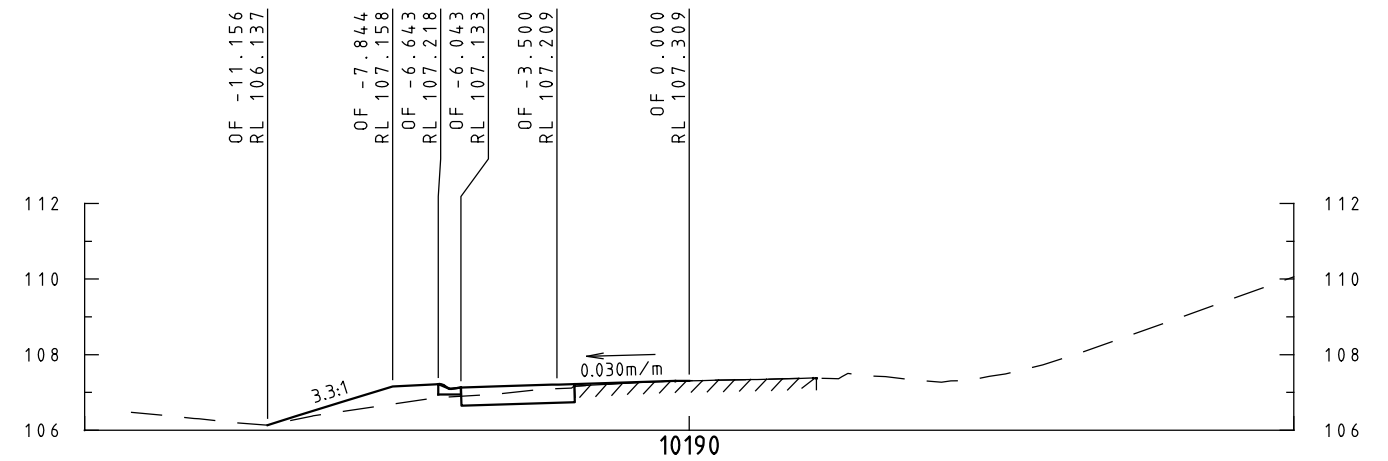
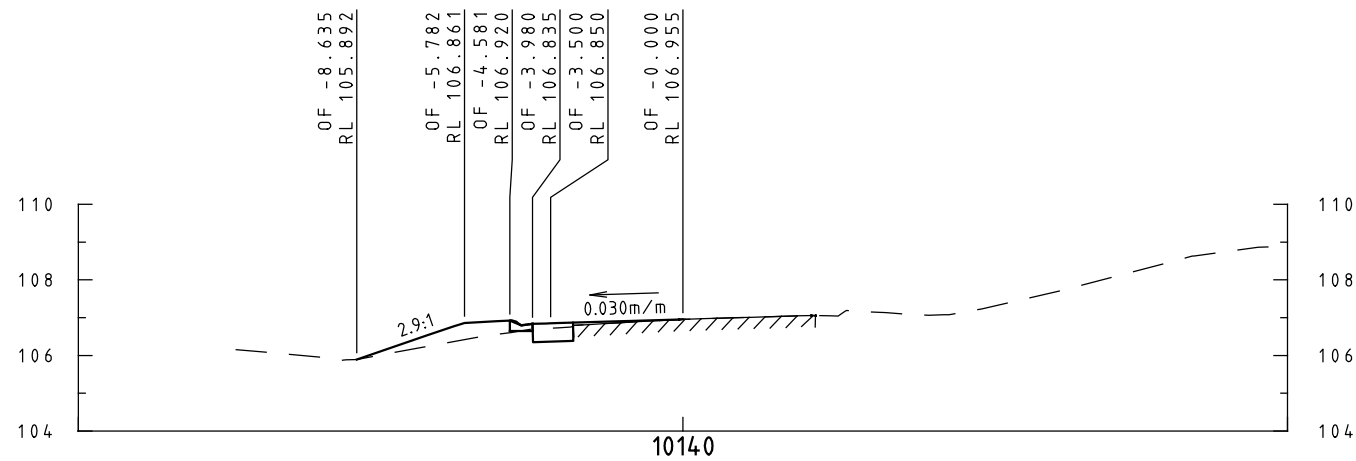
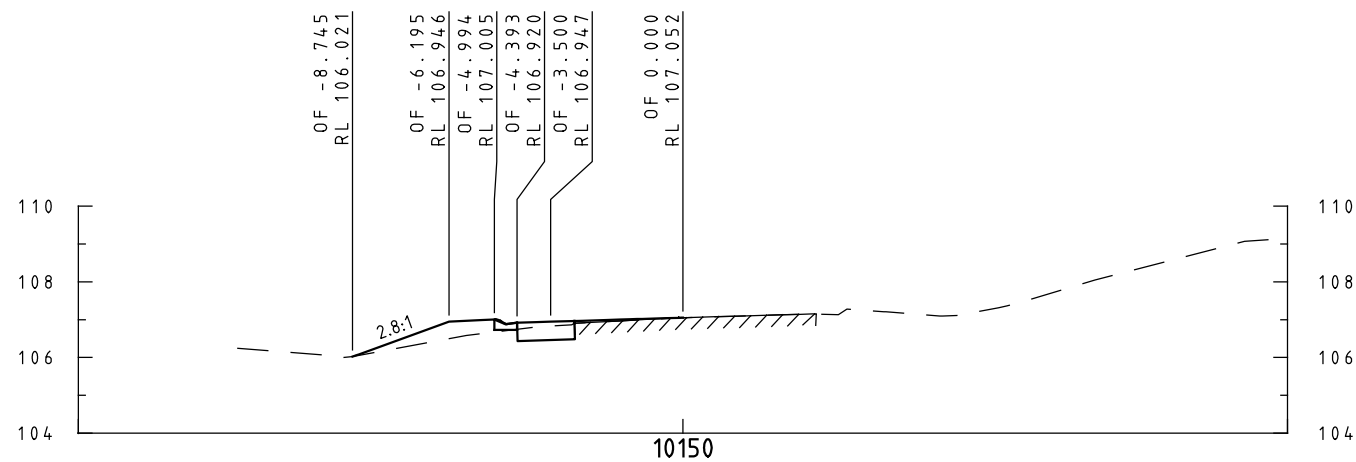
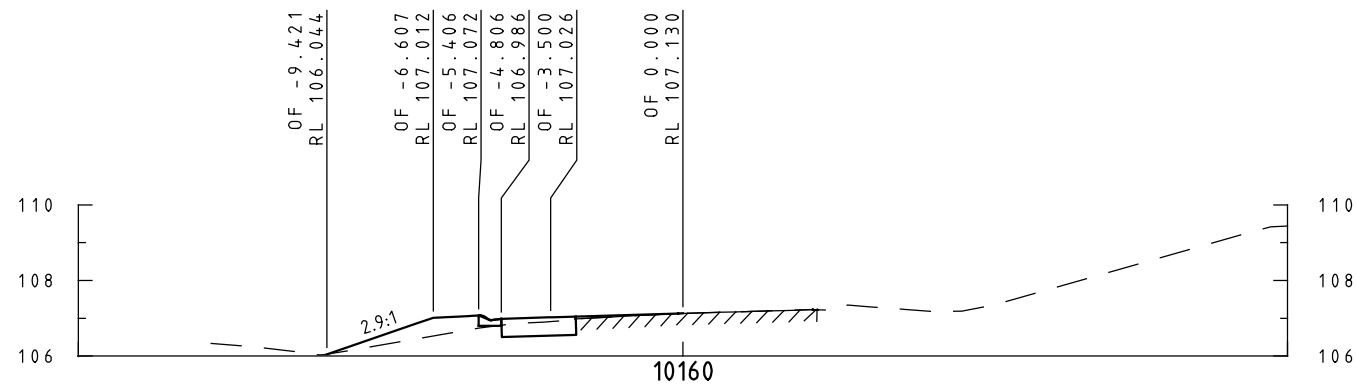


SCALE OF METRES
HOR 0 2 4
VER 0 2 4

MAIN RD GORDONS ROAD TO RIVERDALE BOULEVARD CH 26480 - CH 26500 CROSS SECTIONS				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
	1234	31	269680	




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ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES			

TECHNICAL CONSULTING 3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329	DESIGNED REGIONAL DESIGN CENTRAL 24/02/11
	APPROVED V.ROADS 01/06/11
CAT: RS&T PROJ: Cross Sections FILE: 6004-dc--cs-01.dgn	


	
SCALE OF METRES	
HOR 0 2 4	VER 0 2 4

CALDER FWY RIVERS RD WESTBOUND EXIT RAMP HUME CITY CH 10140 - CH 10190 CROSS SECTIONS				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
	1459	32	269681	

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ISSUE	APP'D	DATE	AMENDMENT

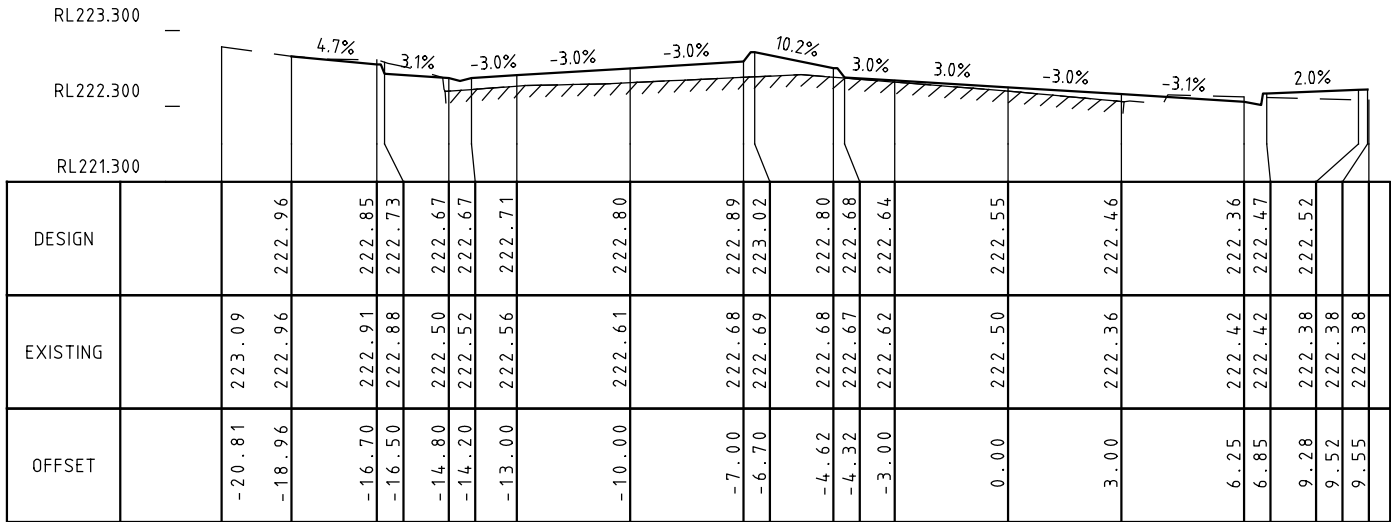
GENERAL NOTES

TECHNICAL CONSULTING	DESIGNED REGIONAL DESIGN CENTRAL 17/01/11
3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329	APPROVED V.ROADS 01/06/11
CAT: RS&T PROJ: Cross Sections FILE: 6004-dc--cs-02.dgn	

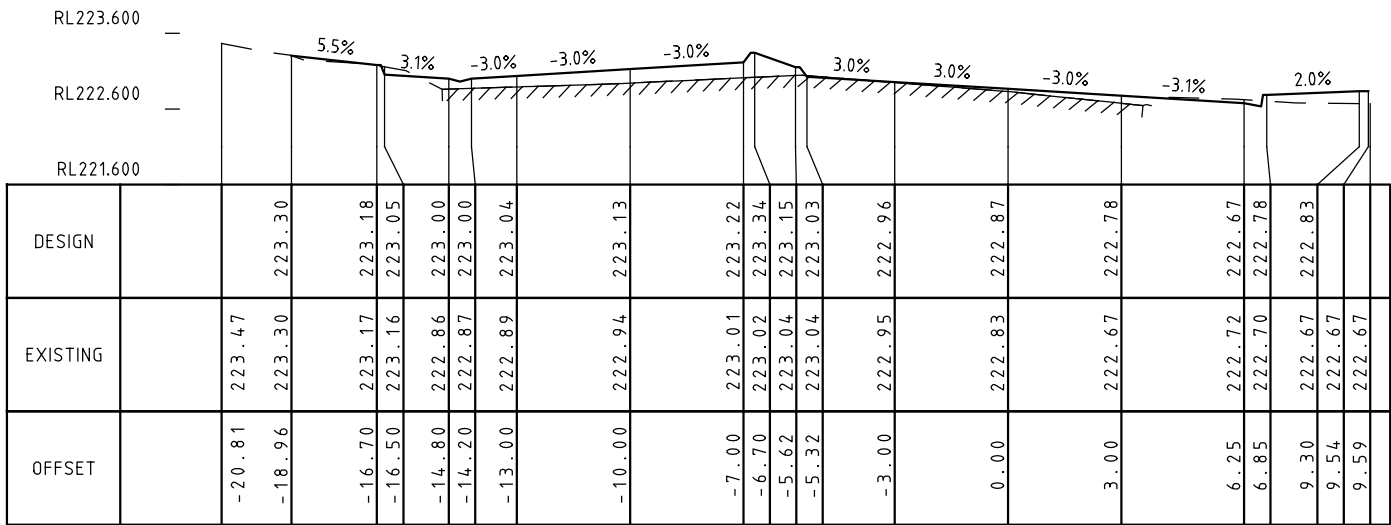


SCALE OF METRES
HOR 0 2 4
VER 0 1 2

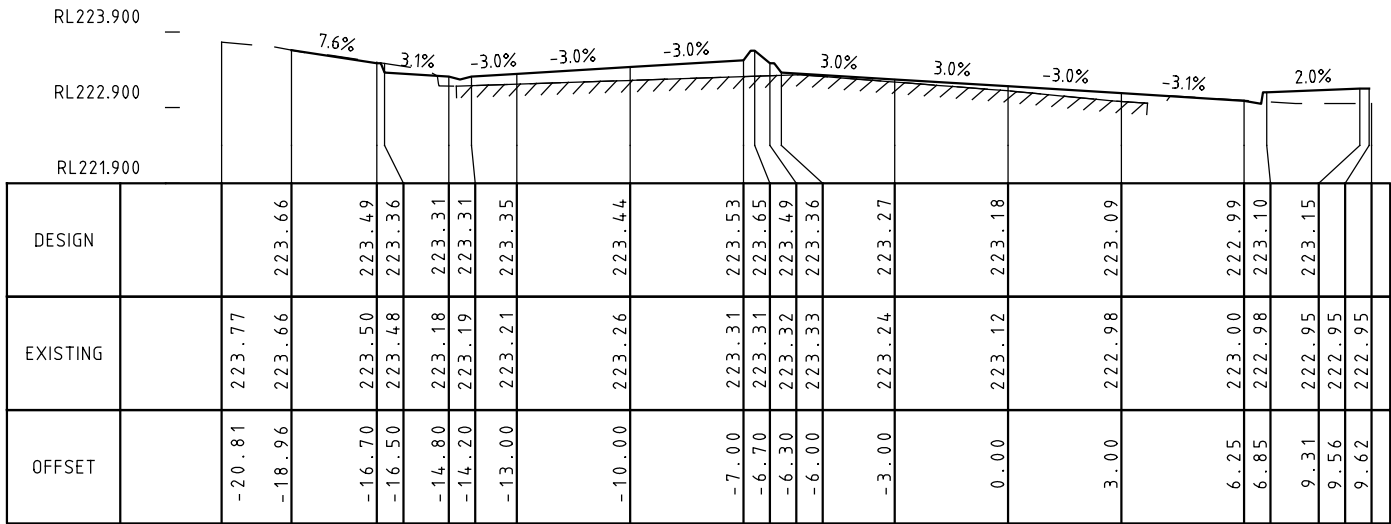
COISH AVE ANDERSON RD TO RIVERVIEW RD CH 470 - CH 490 CROSS SECTIONS				
FILE NO.	CONTRACT NO. 1657	SHEET NO. 33	DRAWING NO. 269682	ISSUE



490



480



470



Series

140 E Mod/
105 L.C.

140 E Mod/
105 L.C.

140 E Mod/
105 L.C.

LEGEND

Dimensions
Dimensions from left edge of sign
216 147 248
Dimensions to left Extremity
of Letters

C 0	P 0	R 0
7 148	l 154	o 151
2 298	e 223	a 274
7 559	n 356	d 406
	t 485	4 94
	y 584	
	6 96	


OVERALL SIZE OF SIGN (mm): 990 x 1180

SURFACE AREA OF SIGN (sq m): 1.17.

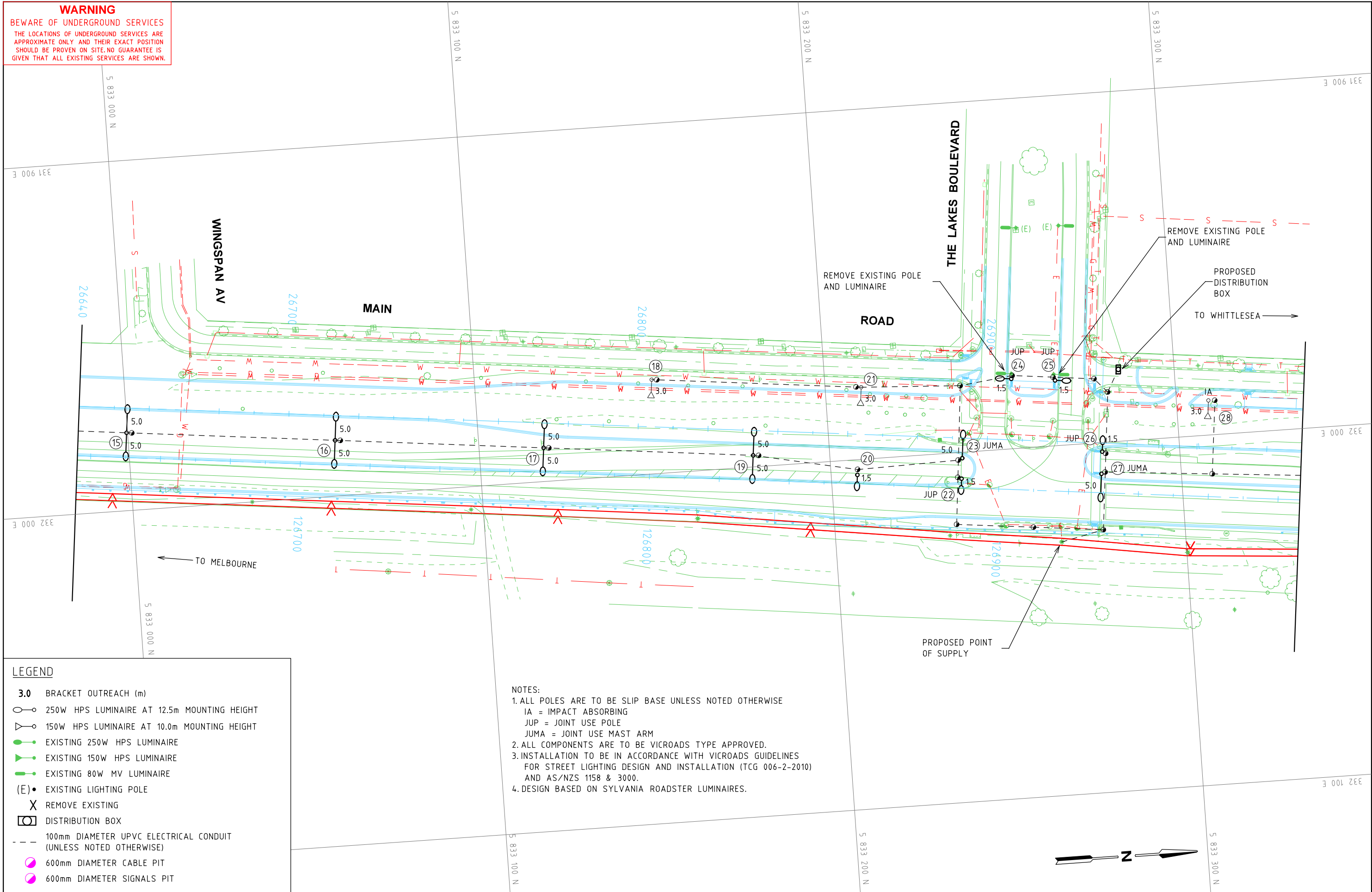
NOTES: (As applicable)

- All Dimensions are in millimetres
- For VicRoads branding details refer to S-V220
- Route Number - RETROREFLECTIVE YELLOW CL.1
- Legend, arrow and border - RETROREFLECTIVE WHITE CL.1
- Background - RETROREFLECTIVE STD GREEN CL.1
- Sign to be manufactured in accordance with VICROADS Spec 860.

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E				GENERAL NOTES (REFER ABOVE)	TECHNICAL CONSULTING 3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA, 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329	DESIGNED TRAFFIC TEAM 18/05/11		PLENTY RD DUNCANS ROAD TO RIVERSIDE BOULEVARD G2-V5-1A				
D												
C												
B												
A												
ISSUE	APP'D	DATE	AMENDMENT	CAT: RS&T PROJ: Sign Face Design FILE: 6004-trd-a-sfd-01.dgn		HOR VER						

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



E			
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ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES
1. BASE INFORMATION: ROAD LAYOUT - 6004-pd-a-fd-01.dgn SURVEY - 9999-lis--fs-01.dgn, 9999-lis--es-01.dgn
2. EXISTING POLES AND LUMINAIRES TO BE RETAINED UNLESS NOTED OTHERWISE.

TECHNICAL CONSULTING	DESIGNED TRAFFIC TEAM
3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329	APPROVED V.ROADS 01/06/11 CAT: RS&T PROJ: Street Lighting Plans FILE: 269686.dgn

	SCALE OF METRES HOR 0 10 20 VER
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MAIN RD GORDONS ROAD TO RIVERDALE BOULEVARD CH 26640 - CH 26990 STREET LIGHTING PLAN			
FILE NO.	CONTRACT NO. 1234	SHEET NO. 36	DRAWING NO. 269686
ISSUE			

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269686.dgn

INSTALLATION NOTES

A. SIGNAL CONTRACTOR

1. SUPPLY AND INSTALL NEW HARDWARE AS SHOWN USING LED LANTERNS.
2. SUPPLY AND INSTALL TRAFFIC SIGNAL MAINS SUPPLY/DISTRIBUTION BOX AND CONNECT TO POINT OF SUPPLY.
3. INSTALL AUDIO TACTILE PEDESTRIAN DETECTORS (VARIABLE OUTPUT).

B. CIVIL CONTRACTOR

1. CONSTRUCT ROADWORKS AS SHOWN.
2. CONSTRUCT 8 DDA COMPLIANT PRAM CROSSINGS AND TGSIs IN ACCORDANCE WITH AS 1428.4.
3. LINEMARK AS SHOWN AND REMOVE ANY REDUNDANT MARKINGS.
4. INSTALL R.R.P.M.'s AS SHOWN AND REMOVE ANY REDUNDANT MARKERS.
5. ARRANGE FOR THE INSTALLATION/MODIFICATION OF PUBLIC LIGHTING.
(SEE GENERAL NOTE 4)
6. ARRANGE FOR THE RELOCATION OF THE POWER DISTRIBUTION POLE, NW CORNER.
7. ARRANGE FOR THE RELOCATION OF THE TELSTRA PITS, NW AND SW CORNERS.
8. INSTALL ROAD SIGNS AS SHOWN AND REMOVE ANY REDUNDANT SIGNS.
9. REPLACE PARKING SIGN FACE AT P1 AND P2.
10. SUPPLY AND INSTALL PARKING SIGN POLE AND FACE AT P3, P4, P5, P6 AND P8.
11. SUPPLY AND INSTALL PARKING SIGN FACE AT P7.
12. ARRANGE FOR THE REMOVAL 6 No. TREES AS SHOWN AND TRIMMING OF OTHER TREES AS REQUIRED.

C. VICROADS

(i) NORTHERN REGION

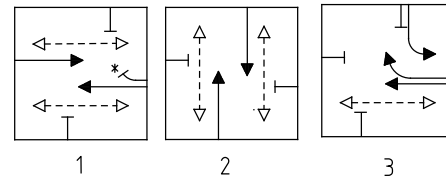
1. SUPPLY AND INSTALL NEW CONTROLLER.

(ii) ROAD USER SERVICES - WEST

1. PROGRAM CONTROLLER.

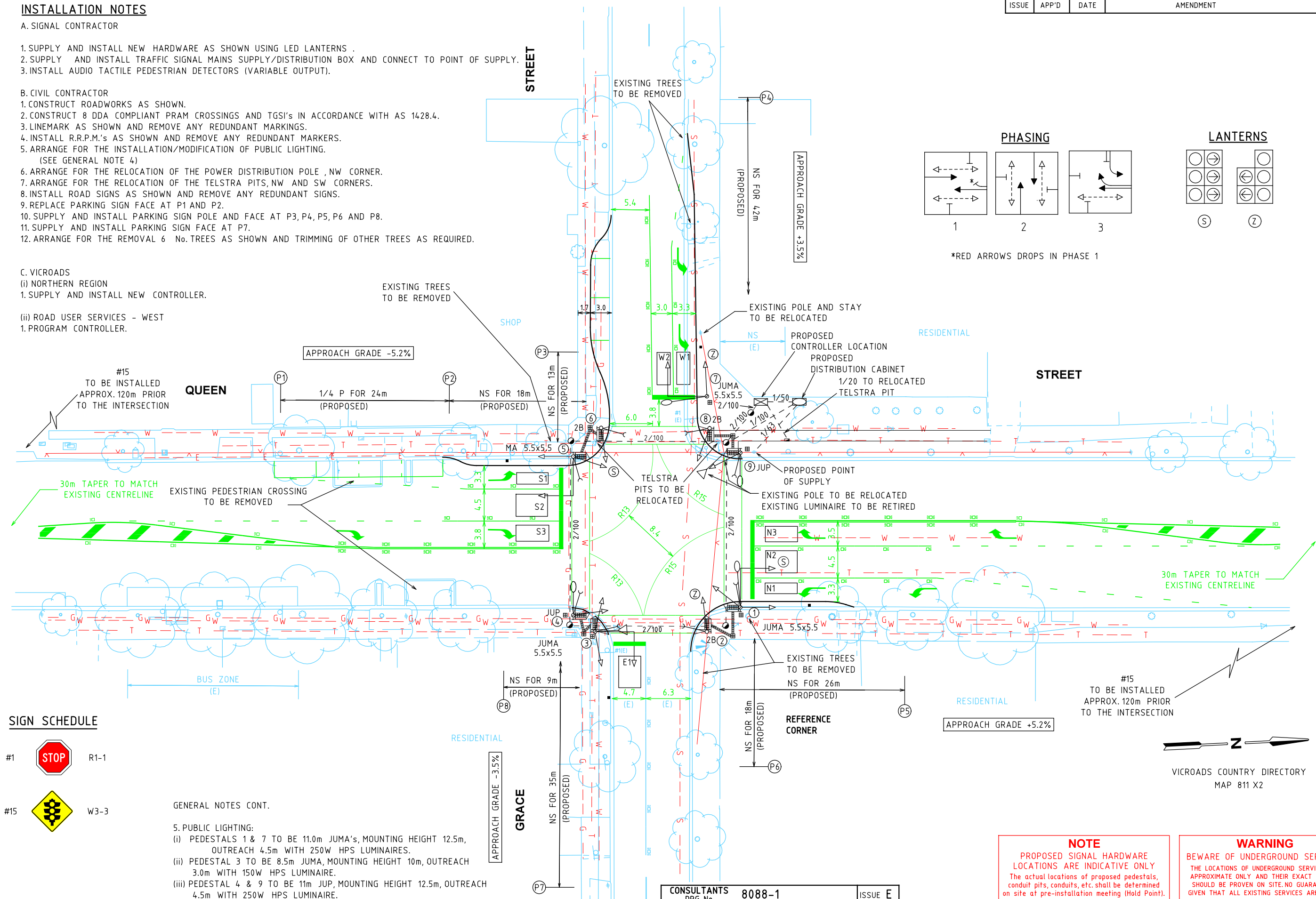
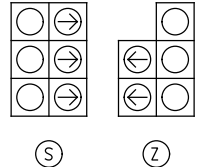
ISSUE APP'D DATE AMENDMENT

PHASING



*RED ARROWS DROPS IN PHASE 1

LANTERNS



SIGN SCHEDULE

- #1 STOP R1-1
- #15 W3-3

GENERAL NOTES CONT.

5. PUBLIC LIGHTING:
(i) PEDESTALS 1 & 7 TO BE 11.0m JUMA's, MOUNTING HEIGHT 12.5m, OUTREACH 4.5m WITH 250W HPS LUMINAIRES.
(ii) PEDESTAL 3 TO BE 8.5m JUMA, MOUNTING HEIGHT 10m, OUTREACH 3.0m WITH 150W HPS LUMINAIRE.
(iii) PEDESTAL 4 & 9 TO BE 11m JUP, MOUNTING HEIGHT 12.5m, OUTREACH 4.5m WITH 250W HPS LUMINAIRE.

GENERAL NOTES

1. BASE INFORMATION FROM VICROADS SURVEY NO 13113fsa AND SITE INSPECTION 22/11/2022 (A.C & C.G)
2. ALL DIMENSIONS ARE TO FACE OF KERB AND CHANNEL
3. DECLARED ROAD - XX HWY. (SPEED ZONE 60km/h)
4. LOCAL ROAD - YY STREET (SPEED ZONE 60km/h)

Notes continued above.

CONSULTANTS DRG. No.	8088-1	ISSUE E
CONSULTANTS NAME, LOGO AND ADDRESS	DESIGNED DESIGN EAST 19/05/11 APPROVED V.ROADS 01/06/11 CAT: RS&T PROJ: Traffic Signal Plans FILE: 269687.dgn	



NOTE
PROPOSED SIGNAL HARDWARE LOCATIONS ARE INDICATIVE ONLY
The actual locations of proposed pedestals, conduit pits, conduits, etc. shall be determined on site at pre-installation meeting (Hold Point).

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

QUEEN STREET / GRACE STREET
DELATITE CITY
TRAFFIC SIGNAL PLAN

SCALE OF METRES
HOR 0 5 10
VER

FILE NO.	SITE NO. 6290	SHEET NO.	DRAWING NO. 269687	ISSUE
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ISSUE	APP'D	DATE	AMENDMENT
A	V.R	11/11/11	FULL CONTROL RIGH TURN S TO E

REMODEL NOTES

A. SIGNAL CONTRACTOR

1. PEDESTAL 1 - REPLACE EXISTING SOUTH FACING LANTERN WITH 'S' LANTERN AS SHOWN.
2. PEDESTALS 3 AND 6 - REPLACE EXISTING EAST FACING LANTERN WITH 'Z' LANTERN AS SHOWN.
3. PEDESTAL 5 - REPLACE EXISTING OUTREACH LANTERN WITH 'S' LANTERN AS SHOWN.
4. INSTALL DETECTOR LOOPS E1 AND E2 AS SHOWN AND ASSOCIATED FEEDER CABLES.
5. RECABLE SITE AS REQUIRED
6. CONTRACTOR TO SUPPLY ALL ABOVE HARDWARE.

B. VICROADS

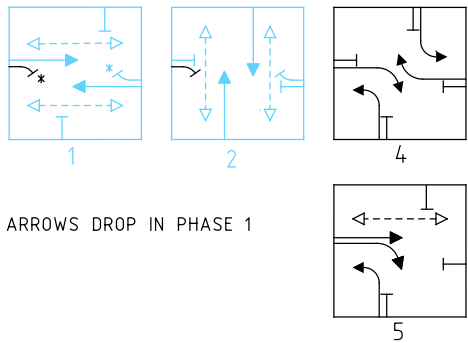
(i) NORTHERN REGION

1. SUPPLY AND INSTALL NEW PROM.

(ii) ROAD USER SERVICES - WEST

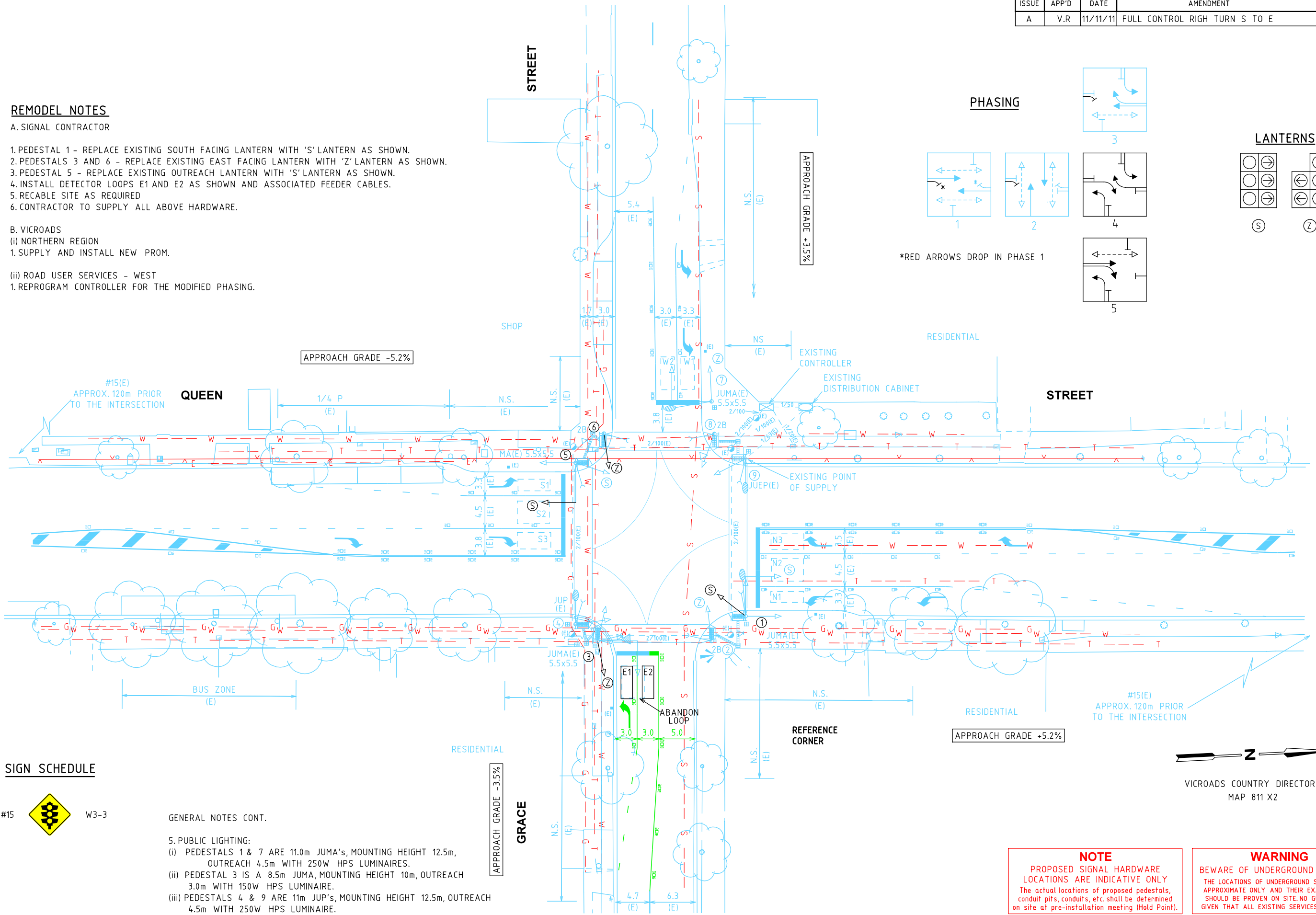
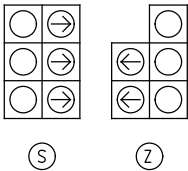
1. REPROGRAM CONTROLLER FOR THE MODIFIED PHASING.

PHASING



*RED ARROWS DROP IN PHASE 1

LANTERNS



SIGN SCHEDULE



GENERAL NOTES CONT.

5. PUBLIC LIGHTING:
 - (i) PEDESTALS 1 & 7 ARE 11.0m JUMA's, MOUNTING HEIGHT 12.5m, OUTREACH 4.5m WITH 250W HPS LUMINAIRES.
 - (ii) PEDESTAL 3 IS A 8.5m JUMA, MOUNTING HEIGHT 10m, OUTREACH 3.0m WITH 150W HPS LUMINAIRE.
 - (iii) PEDESTALS 4 & 9 ARE 11m JUP's, MOUNTING HEIGHT 12.5m, OUTREACH 4.5m WITH 250W HPS LUMINAIRE.

GENERAL NOTES

1. BASE INFORMATION FROM VICROADS SURVEY NO 13113fsa
2. ALL DIMENSIONS ARE TO FACE OF KERB AND CHANNEL
3. DECLARED ROAD - XX HWY. (SPEED ZONE 60km/h)
4. LOCAL ROAD - YY STREET (SPEED ZONE 50km/h)

Notes continued above.

TECHNICAL CONSULTING

ROAD AND TRAFFIC DESIGN

12 LAKESIDE DRIVE,
BURWOOD EAST,
VICTORIA, 3151
PHONE (03) 9881 8010

DESIGNED
DESIGN EAST
19/05/11

APPROVED
(ORIGINAL SIGNED BY)
V.ROADS 01/06/11

CAT: RS&T
PROJ: Traffic Signal Plans
FILE: 269688.dgn



NOTE
PROPOSED SIGNAL HARDWARE
LOCATIONS ARE INDICATIVE ONLY
The actual locations of proposed pedestals,
conduit pits, conduits, etc. shall be determined
on site at pre-installation meeting (Hold Point).

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE
APPROXIMATE ONLY AND THEIR EXACT POSITION
SHOULD BE PROVEN ON SITE. NO GUARANTEE IS
GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

QUEEN STREET / GRACE STREET

DELATITE CITY
TRAFFIC SIGNAL PLAN

SCALE OF METRES
HOR 0 5 10
VER

FILE NO.

SITE NO.
6290

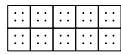
SHEET NO.

DRAWING NO.
269687

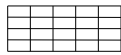
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SUPERSEDES DRG NO.

TGSI SUMMARY



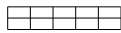
- WARNING TGSI's TACTILE INDICATORS
(2 ROWS - 600mm WIDE)



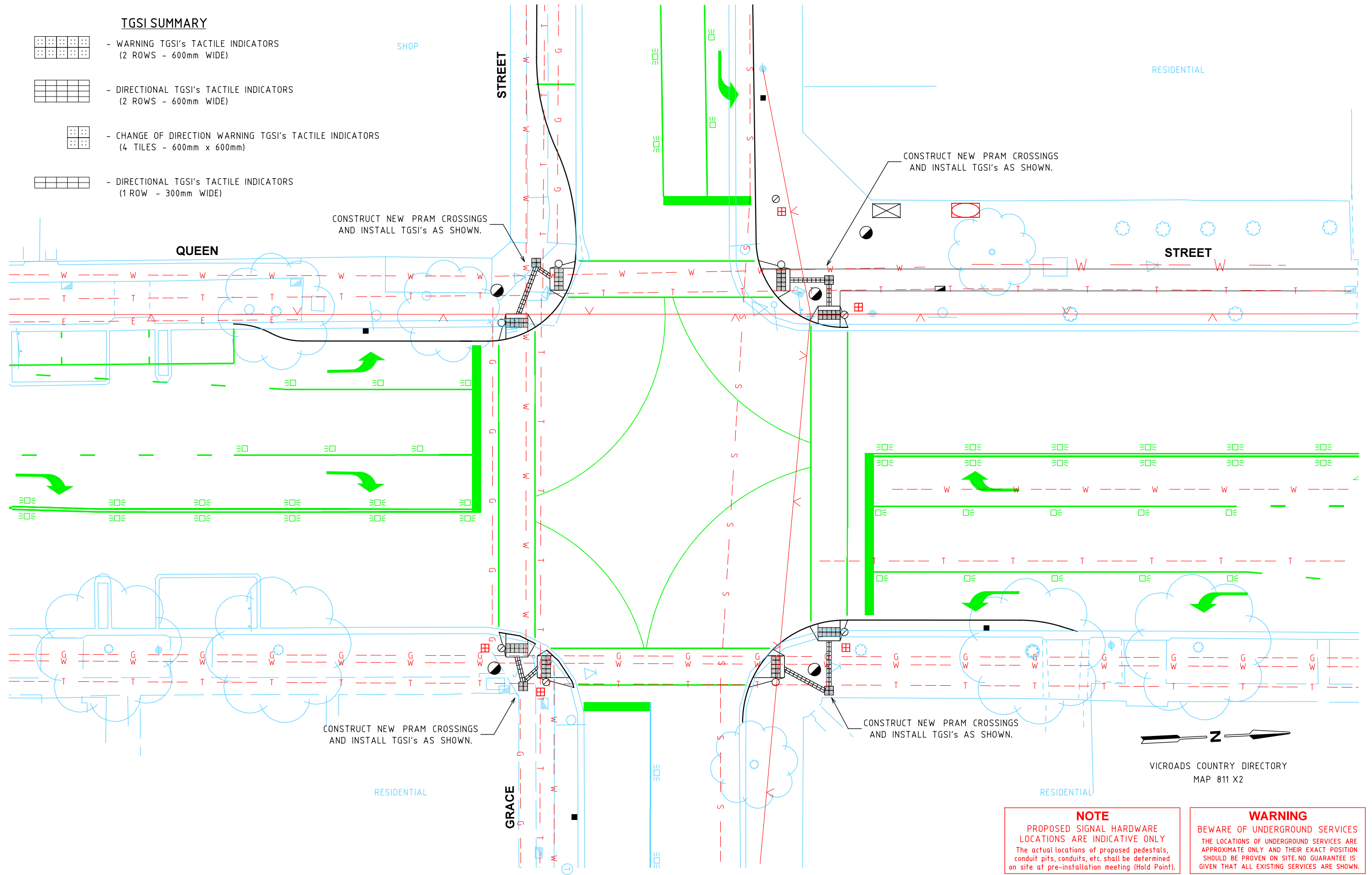
- DIRECTIONAL TGSI's TACTILE INDICATORS
(2 ROWS - 600mm WIDE)



- CHANGE OF DIRECTION WARNING TGSI's TACTILE INDICATORS
(4 TILES - 600mm x 600mm)



- DIRECTIONAL TGSI's TACTILE INDICATORS
(1 ROW - 300mm WIDE)



NOTE

PROPOSED SIGNAL HARDWARE
LOCATIONS ARE INDICATIVE ONLY
The actual locations of proposed pedestals,
conduit pits, conduits, etc. shall be determined
on site at pre-installation meeting (Hold Point).

WARNING

BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE
APPROXIMATE ONLY AND THEIR EXACT POSITION
SHOULD BE PROVEN ON SITE. NO GUARANTEE IS
GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

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ISSUE	APP'D	DATE	AMENDMENT
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GENERAL NOTES
1. BASE INFORMATION FROM VICROADS SURVEY NO 13113fsa.dgn
2. FOR DETAILS OF TRAFFIC SIGNAL PLAN WORKS
REFER TO DWG No 472038
3. INSTALL TGSI's IN ACCORDANCE WITH AS 1428.4
4. CONSTRUCT PROPOSED PRAM CROSSING AND FOOTWAY
CONNECTION CONCRETE WORKS AS SHOWN

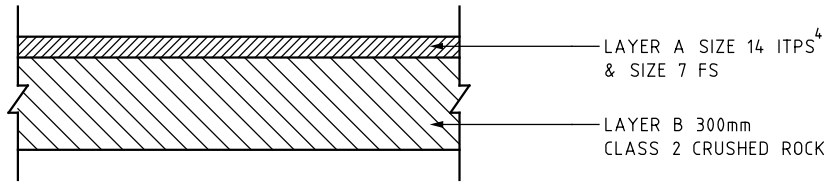
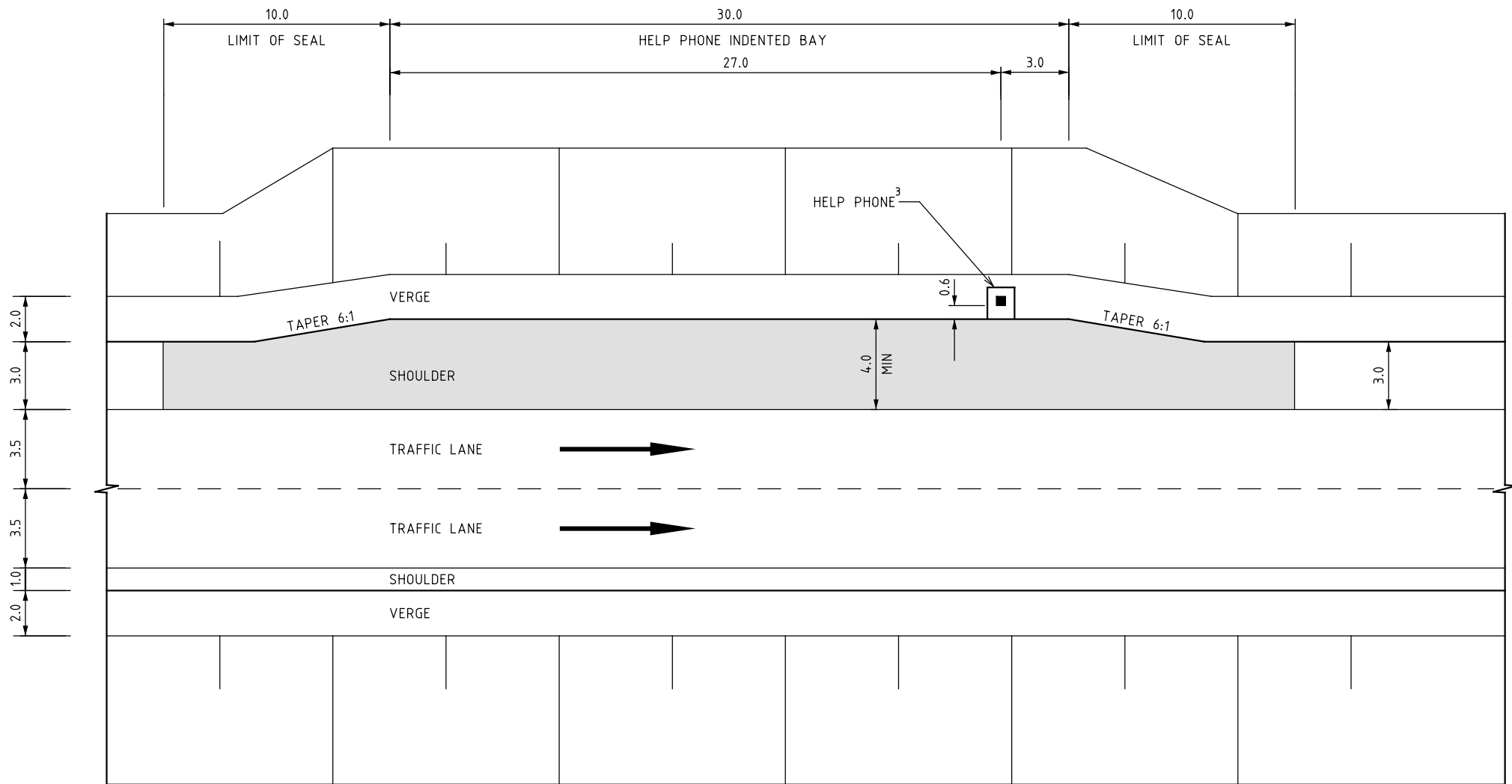
CONSULTANTS DRG. No.	8088-2	ISSUE
CONSULTANTS NAME, LOGO	TECHNICAL CONSULTING	DESIGNED DESIGN EAST 19/05/11
AND	12 LAKESIDE DRIVE, BURWOOD EAST, VICTORIA, 3151 PHONE (03) 9881 8010 FAX (03) 9881 8900	APPROVED V.ROADS 01/06/11
ADDRESS		CAT: RS&T PROJ: DDA Plan FILE: 6004-de--dda-01.dgn



SCALE OF METRES
HOR 0 2.5 5.0
VER

QUEEN STREET / GRACE STREET				
DELATITE CITY				
DDA COMPLIANCE PLAN				
FILE NO.	SITE NO. 6290	SHEET NO.	DRAWING NO. 269689	ISSUE

ISSUE	APP'D	DATE	AMENDMENT
B	DC	08/12	GENERAL DETAIL & NOTES



DEFAULT PAVEMENT DETAIL

NOTE: ALTERNATIVE 1 - USE ADJACENT SHOULDER MATERIAL FOR RETROFITTING
ALTERNATIVE 2 - USE PROPOSED SHOULDER MATERIAL FOR NEW CARRIAGEWAY CONSTRUCTION
ALTERNATIVE 3 - AS DIRECTED BY THE SUPERINTENDENT

VICROADS DRAWING NO 720263

REFERENCES AND NOTES:
1. ALL DIMENSIONS ARE IN METRES
2. CROSS SECTION DIMENSIONS ARE TYPICAL
3. REFER TO ITS STANDARD DRAWINGS TC2021 TO TC2028
4. ITPS - INITIAL TREATMENT PRIME AND SEAL

SEALED AREA

TECHNICAL
CONSULTING

3 PROSPECT HILL ROAD
CAMBERWELL
VICTORIA 3124
PHONE (03) 9811 8355
FAX (03) 9811 8329



STANDARD DRAWING

ACCESS & STOPPING BAYS SD2091

INDENTED HELP PHONE BAY

0 2.5 5.0

APPROVED
DANIEL CASSAR (PRDE) 13-8-12

SD NO.
SD2091

ISSUE
B

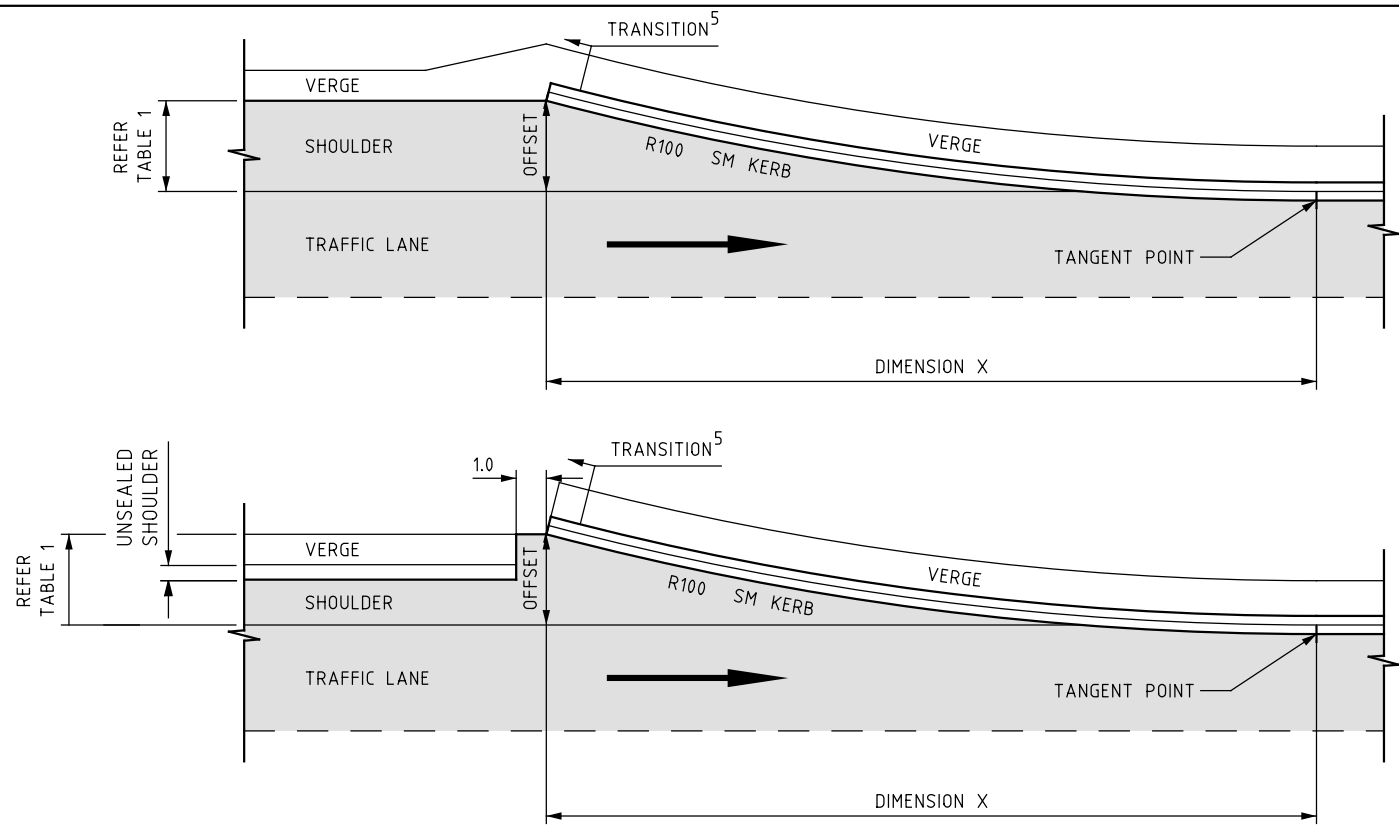


TABLE 1
APPROACH CURVE SETTING OUT DETAILS

OFFSET	DIMENSION X	RADIUS	CHORD	QUARTER CHORD	MID ORDINATE	QUARTER ORDINATE
0.5	12.62	100	12.65	3.16	0.20	0.15
1.0	16.07	100	16.13	4.03	0.33	0.24
1.5	18.89	100	18.97	4.74	0.45	0.34
2.0	21.32	100	21.45	5.35	0.58	0.43
2.5	23.50	100	23.66	5.91	0.70	0.53
3.0	25.48	100	25.69	6.41	0.83	0.62
3.5	27.31	100	27.57	6.88	0.96	0.72
4.0	29.00	100	29.33	7.31	1.08	0.81

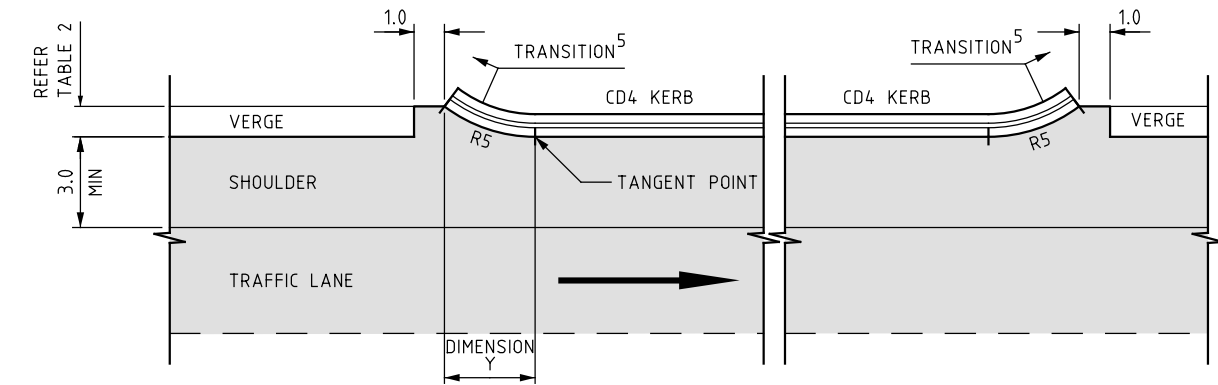
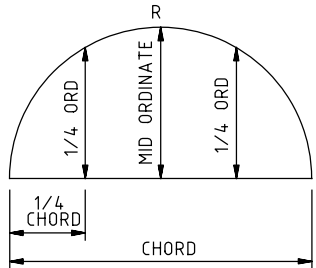


TABLE 2
APPROACH & DEPARTURE CURVE SETTING OUT DETAILS

VERGE	DIMENSION Y	RADIUS	CHORD	QUARTER CHORD	MID ORDINATE	QUARTER ORDINATE
1.0	3.00	5.0	3.16	0.78	0.26	0.19
1.5	3.57	5.0	3.87	0.95	0.39	0.29
2.0	4.00	5.0	4.47	1.09	0.53	0.39



CURVE SETOUT DIAGRAM

ISSUE	APP'D	DATE	AMENDMENT

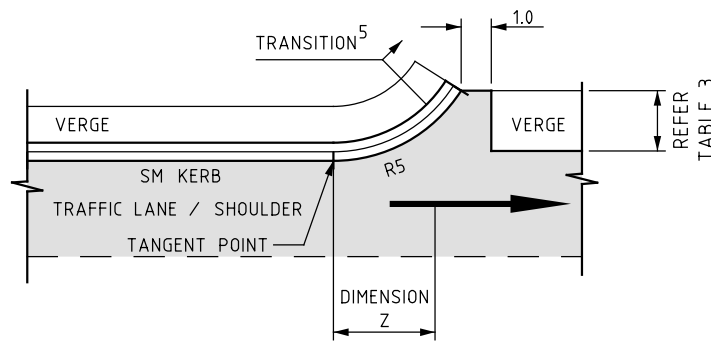
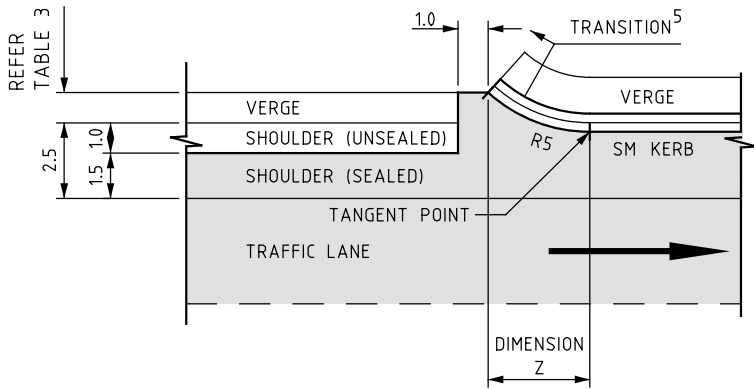
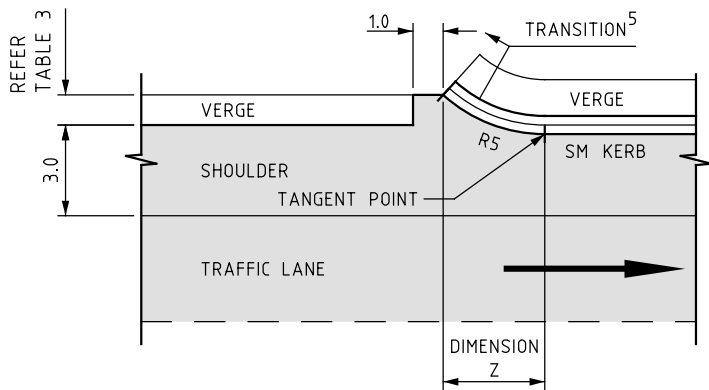


TABLE 3
APPROACH & DEPARTURE CURVE SETTING OUT DETAILS

VERGE	DIMENSION Z	RADIUS	CHORD	QUARTER CHORD	MID ORDINATE	QUARTER ORDINATE
1.0	3.36	5.0	3.61	0.89	0.34	0.25
1.5	3.84	5.0	4.24	1.04	0.47	0.36
2.0	4.21	5.0	4.80	1.16	0.61	0.47

- REFERENCES AND NOTES:
- ALL DIMENSIONS ARE IN METRES
 - ALL DIMENSIONS ARE TO THE LIP OF KERB AND CHANNEL
 - CONCRETE SHALL BE NORMAL - CLASS N25 STANDARD STRENGTH GRADE COMPLYING WITH THE REQUIREMENT OF AS1379
REFER TO VICROADS STANDARD SPECIFICATION SECTION 703 FOR REQUIREMENTS OF CONCRETE USED IN KERB EXTRUSION MACHINES
 - DRAINAGE OUTLET TREATMENT NOT SHOWN
 - PROVIDE TRANSITION IN ACCORDANCE WITH SD 2102

AS 1379 SPECIFICATION AND SUPPLY OF CONCRETE
AS 2876 CONCRETE KERBS AND CHANNELS (GUTTERS)
MANUALLY OR MACHINE PLACED
AS 3600 CONCRETE STRUCTURES
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