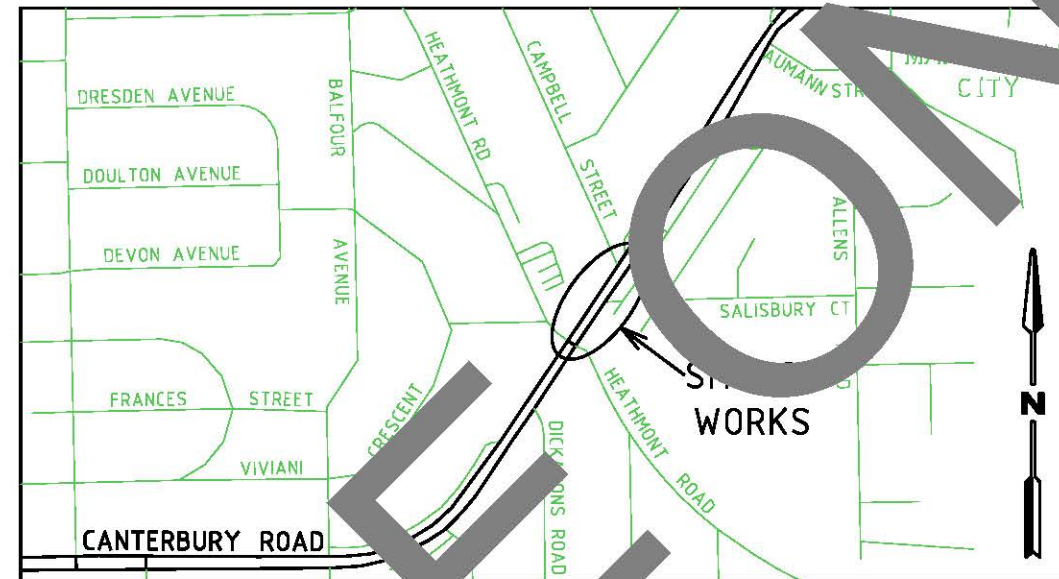




Controlled Copy
Issue Number



CANTERBURY ROAD HEATHMONT ROAD INTERSECTION



ROADWORKS DRAWINGS CONTRACT No. DoT 25758

Sheet No: 1
Drawing No: 768985
Catalog: METRO SOUTH EAST
Project: DE47478 - CANTERBURY RD/HEATHMONT RD
Computer File: 47478-de--fs-01.dgn

SHEET NO.	DRAWING NO.	COMPUTER FILE NO.	DESCRIPTION
1	768985	47478-de--fs-01.dgn	FACE SHEET, LOCAL PLAN & TABLE OF CONTENTS

TYPICAL CROSS SECTIONS AND PAVEMENT DETAILS

2	768986	47478-de--tcs-01.dgn	TYPICAL CROSS SECTIONS AND PAVEMENT DETAILS
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GEOMETRIC PLAN AND SURVEY CONTROL POINTS

3	768987	47478-de--gp-01.dgn	
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ALIGNMENT PLANS AND DRAINAGE DETAILS

4	768988	47478-de--ap-01.dgn	
5	768989	47478-de--dl-01.dgn	

AREAS OF PAVEMENT TYPE PLANS

6	768990	47478-de--ptl-01.dgn	
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DETAIL PLANS

7	768991	47478-de--sod-01.dgn	
8	768992	47478-de--lip-01.dgn	LIP A
9	768993	47478-de--lip-02.dgn	LIP B

CROSS SECTIONS

10	768994	47478-de--cs-01.dgn	100 - 160
11	768995	47478-de--cs-01.dgn	CH 170 - CH 210
12	768996	47478-de--cs-02.dgn	SHARED PATH

SIGNS AND PAVEMENT MARKING PLANS

13	612034	47478-de--slp-01.dgn	
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DETAIL PLANS (STRUCTURAL)

14	612127	47478-de--dp-01.dgn	BRIDGE DECK DETAILS
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TRAFFIC SIGNAL PLAN

1 OF 1	787533	787533.dgn	
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PUBLIC LIGHTING

1 OF 1	VE15-0341554-001	VE15-0341554-001.dwg	PUBLIC LIGHTING PLAN
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COMPUTER FILES

DESIGN REFERENCE FILES
 CATALOG -- METRO_SOUTH_EAST SUB CATALOG -- 2021_2022 PROJECT -- 47478 - CANTERBURY RD/HEATHMONT RD
 47478-de--fd-01.dgn - FUNCTIONAL LAYOUT
 47478-de--md-01.dgn - EXISTING PAVEMENT AREA FILL
 47478-de--3ds-01.dgn - 3D LINE STRINGS FOR FINAL DESIGN
 47478-de--cp-01.dgn - EXISTING SURFACE CONTOURS
 47478-de--adl-00.dgn - DRAINAGE STRATEGY
 47478-de--ptl-00.dgn - NEW PAVEMENT AREA FILL MASTER FILE
 47478-de--slp-00.dgn - PAVEMENT MARKINGS MASTER FILE

CATALOG -- AAA_CADD_Config PROJECT -- REF
 ctb5.dgn - TITLE BLOCK

SURFACES

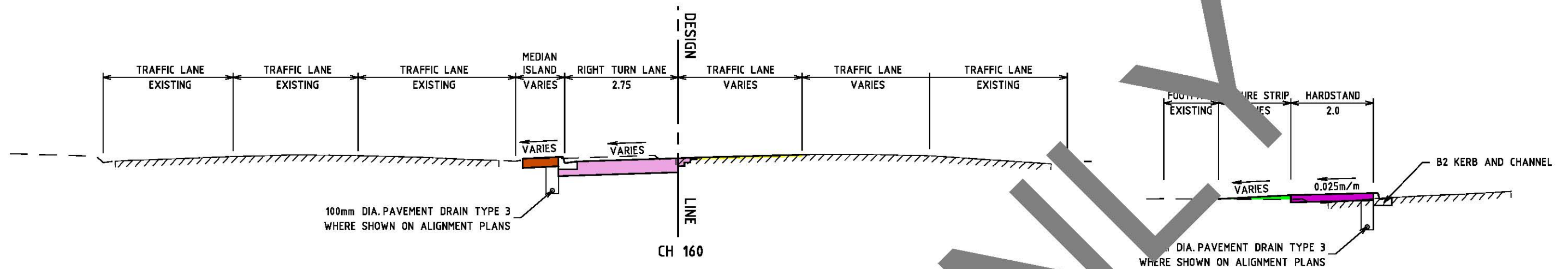
CATALOG -- METRO_SOUTH_EAST SUB CATALOG -- 2021_2022 PROJECT -- 47478 - CANTERBURY RD/HEATHMONT RD
 47478-de--srf-01.dfm - FINAL DESIGN SURFACE
 47478-de--srf-02.dfm - EXISTING PAVEMENT SURFACE

GEOMETRY

CATALOG -- METRO_SOUTH_EAST SUB CATALOG -- 2021_2022 PROJECT -- 47478 - CANTERBURY RD/HEATHMONT RD
 47478-de--alg-01.alg - GEOMETRY FILE FOR DESIGN LINES

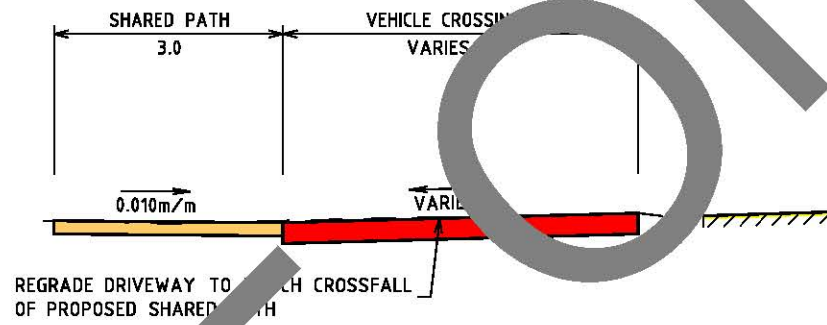
SURVEY

CATALOG -- LI&S SUB CATALOG -- NON S&D PROCURED SURVEYS -- METRO SOUTH EAST REGION PROJECT -- CANTERBURY RD: - HEATHMONT RD
 2100499--fs-01.dgn - FEATURE SURVEY BASE
 2100499--es-01.dgn - ENHANCEMENT FILE
 2100499--fs-01.dfm - DIGITAL TERRAIN MODEL

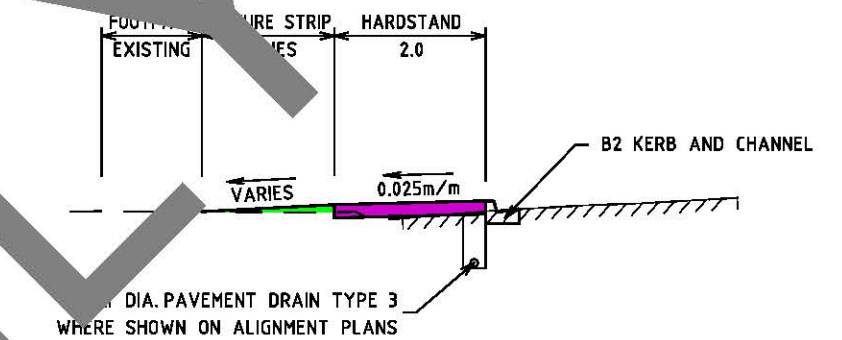


PAVEMENT DETAILS

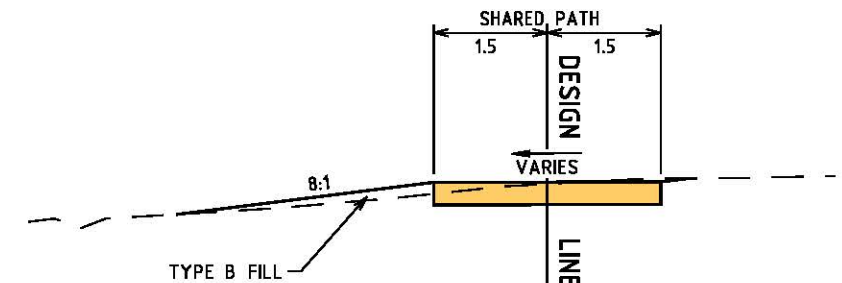
- DEEP STRENGTH PAVEMENT**
REFER TO PAVEMENT WIDENING DETAIL
- NEW PAVEMENT ON BRIDGE DECK**
WEARING COURSE - 40mm SIZE 14mm TYPE VP ASPHALT (PSV ≥ 54)
REGULATION COURSE - 30mm (MIN.) SIZE 10mm TYPE H ASPHALT (WHERE REQUIRED)
- CUT-BACK BITUMEN PRIMER (0.2 - 0.3l/m²)
- CLEAN AND REPAIR THE EXPOSED CONCRETE BRIDGE DECK
- ASPHALT RESURFACING**
MILL OUT TO 40mm BELOW FINISHED SURFACE LEVELS AND LAY:-
WEARING COURSE - 40mm SIZE 14mm TYPE VP ASPHALT (PSV ≥ 54)
- TACK COAT ON ALL EXISTING SEAL SURFACE
- CONCRETE SHARED PATH - REFER MAROONDAH CC STANDARD DWG NO. MCC-403**
150mm 32 MPa REINFORCED CONCRETE
SL82 MESH CENTRALLY LOCATED WITH 50mm COVER TO ALL EDGES
150mm 3% CEMENT TREATED CRUSHED ROCK
- CONCRETE FOOTPATH - REFER MAROONDAH CC STANDARD DWG NO. MCC-401**
125mm 25 MPa REINFORCED CONCRETE
SL72 MESH CENTRALLY LOCATED WITH 50mm COVER TO ALL EDGES
50mm SIZE 20mm CLASS 3 CRUSHED ROCK
- CONCRETE VEHICLE CROSSING - REFER MAROONDAH CC STANDARD DWG NO. MCC-402**
200mm 32 MPa REINFORCED CONCRETE
SL82 MESH CENTRALLY LOCATED WITH 50mm COVER TO ALL EDGES
75mm SIZE 20mm CLASS 3 CRUSHED ROCK
- ASPHALT FOOTPATH - REFER MAROONDAH CC STANDARD DWG NO. MCC-402**
30mm SIZE 7mm TYPE L ASPHALT
100mm SIZE 20mm CLASS 3 CRUSHED ROCK
- CONCRETE ISLAND**
150mm 32 MPa REINFORCED CONCRETE
75mm SIZE 20mm CLASS 3 CRUSHED ROCK
- PAVEMENT/FOOTPATH TO BE REMOVED**
EXISTING PAVEMENT/FOOTPATH TO BE REMOVED
PLACE 100mm DEPTH OF TOPSOIL AND SEED
REFER TO SPECIFICATION FOR FURTHER DETAILS
- TOPSOIL AND SEED**
100mm DEPTH OF TOPSOIL AND SEED
REFER TO SPECIFICATION FOR FURTHER DETAILS



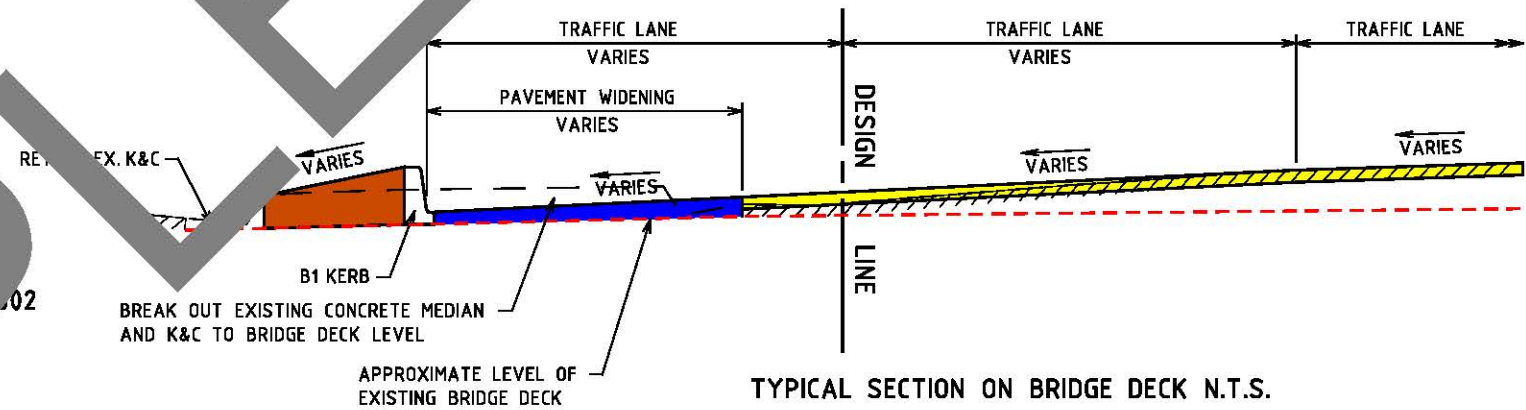
SECTION B-B SHARED PATH AND VEHICLE CROSSING



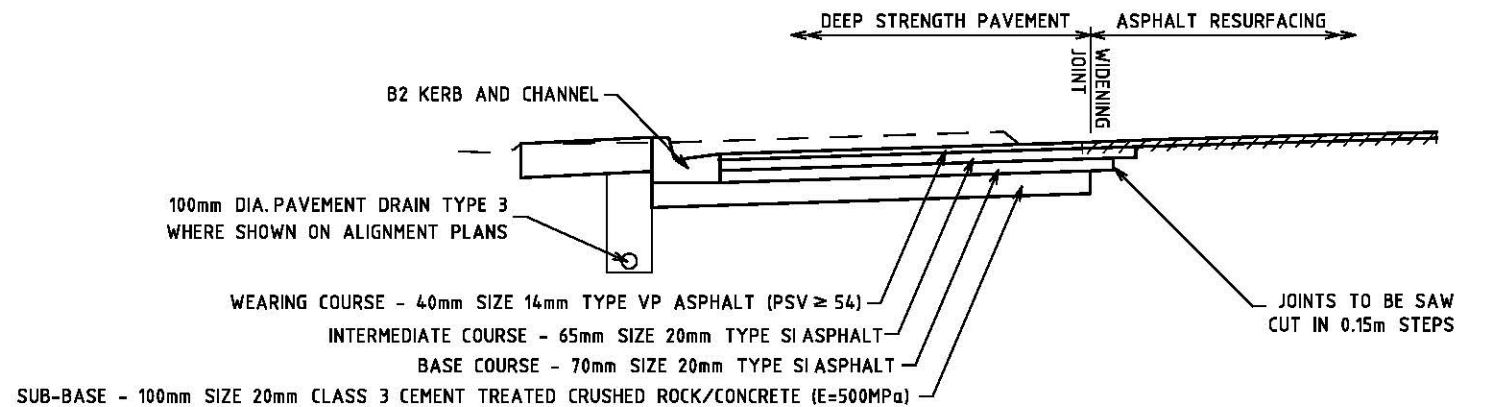
SECTION C-C BUS STOP HARDSTAND



SECTION A-A SHARED PATH



TYPICAL SECTION ON BRIDGE DECK N.T.S.



PAVEMENT WIDENING DETAIL N.T.S.

GENERAL NOTES

1. REFER TO PAVEMENT TYPE LIMITS DRAWING FOR EXTENT OF PAVEMENT TYPES.
2. TOPSOIL AND SEED SHALL BE PLACED OVER BATTERS, VERGES AND ALL LANDSCAPED AREAS. REFER SPECIFICATION.

INVESTMENT AND DESIGN SERVICES
NETWORK DESIGN SERVICES

DESIGNED 01/10/21
APPROVED 28/06/22

12 LAKESIDE DRIVE, BURWOOD EAST, VICTORIA, 3151
PHONE (03) 9981 8010

CAT: Metro_South_East
PROJ: 47478 - Canterbury Rd/Heathmont Rd
FILE: 47478-de--tcs-01.dgn



SCALE OF METRES
HOR 0 1 2
VER 0 1 2

CANTERBURY RD
HEATHMONT ROAD INTERSECTION
MAROONDAH CITY

TYPICAL CROSS SECTIONS & PAVEMENT DETAILS

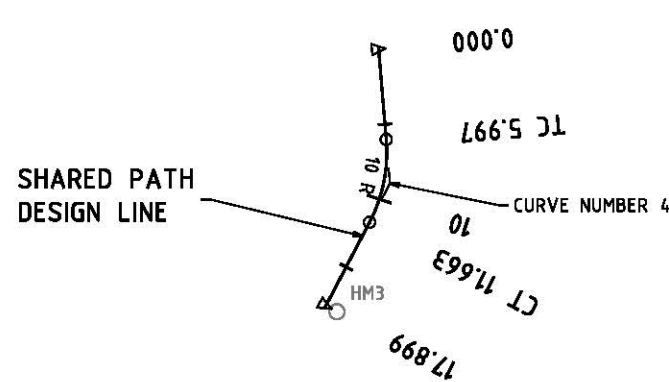
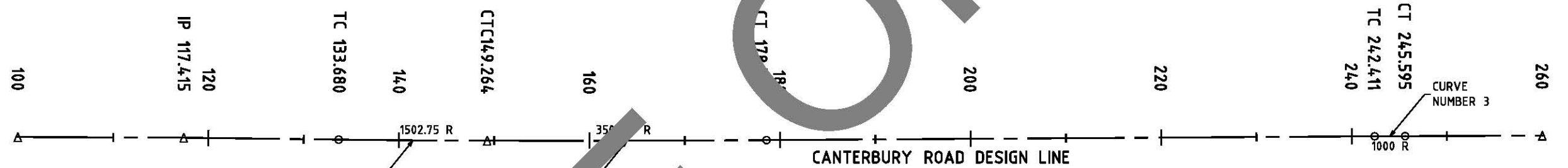
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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CANTERBURY ROAD DESIGN LINE

CHAINAGE	EASTING	NORTHING	BEARING
100.000	345545.837	5811619.541	33°48'21"
110.000	345551.401	5811627.850	33°48'21"
117.415	345555.526	5811634.011	34°18'14"
120.000	345556.984	5811636.147	34°18'14"
130.000	345562.619	5811644.407	34°18'14"
133.680	345564.694	5811647.448	34°18'14" TC
140.000	345568.244	5811652.675	34°03'47"
149.264	345573.410	5811660.366	33°42'35" CTC
150.000	345573.818	5811660.978	33°41'52"
160.000	345579.354	5811670.306	33°32'03"
170.000	345584.866	5811679.649	33°22'14"
178.578	345589.570	5811684.189	33°13'49" CT
180.000	345590.355	5811686.100	33°13'49"
190.000	345595.835	5811694.370	33°13'49"
200.000	345601.315	5811702.738	33°13'49"
210.000	345606.796	5811711.103	33°13'49"
220.000	345612.276	5811719.467	33°13'49"
230.000	345617.756	5811727.831	33°13'49"
240.000	345623.236	5811736.195	33°13'49"
242.411	345624.557	5811738.211	33°13'49" TC
245.595	345626.194	5811740.874	33°24'46" CT
250.000	345628.194	5811744.551	33°24'46"
260.000	345634.236	5811752.898	33°24'46"

SHARED PATH DESIGN LINE

CHAINAGE	EASTING	NORTHING	BEARING
0.000	345558.288	5811615.902	118°45'11"
5.000	345562.671	5811613.497	118°45'11"
5.997	345563.546	5811613.017	118°45'11" TC
10.000	345566.582	5811610.450	141°41'12"
11.663	345567.500	5811609.066	151°12'47" CT
15.000	345569.107	5811606.141	151°12'47"
17.899	345570.503	5811603.600	151°12'47"



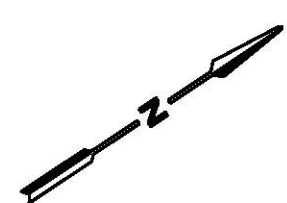
CURVE NUMBER 1
 BEARING: 34°18'14"
 COORDINATES: E 345569.085, N 5811653.884
 CURVE RADIUS: 1502.750
 INTERSECTION ANGLE: 0°35'39" L
 ARC: 15.584
 BEARING: 33°42'35"

CURVE NUMBER 2
 BEARING: 33°42'35"
 IP COORDINATES: E 345581.544, N 5811672.559
 CURVE RADIUS: 3502.750
 INTERSECTION ANGLE: 0°28'46" L
 ARC: 29.314
 BEARING: 33°13'49"

CURVE NUMBER 3
 BEARING: 33°13'49"
 IP COORDINATES: E 345625.429, N 5811739.545
 CURVE RADIUS: 1000.000
 INTERSECTION ANGLE: 0°10'57" R
 ARC: 3.183
 BEARING: 33°24'46"

SURVEY CONTROL POINTS

STATION	EASTING	NORTHING	RL
HM1	345513.170	5811612.350	132.656 RM
HM2	345581.037	5811571.044	131.018 RM
HM3	345571.232	5811603.997	131.674 RM
HM4	345588.499	5811664.250	132.874 RM
HM5	345601.128	5811731.548	134.910 RM
HM6	345534.724	5811763.695	131.690 RM
HM7	345514.797	5811746.537	130.022 RM
MMB2380B	346128.406	5812159.114	154.564 PM
PM74	343959.202	5811330.896	93.231 PM
BW6	345171.277	5811338.147	131.690 RM
BW7	345514.797	5811746.537	130.022 RM



SAMPLE

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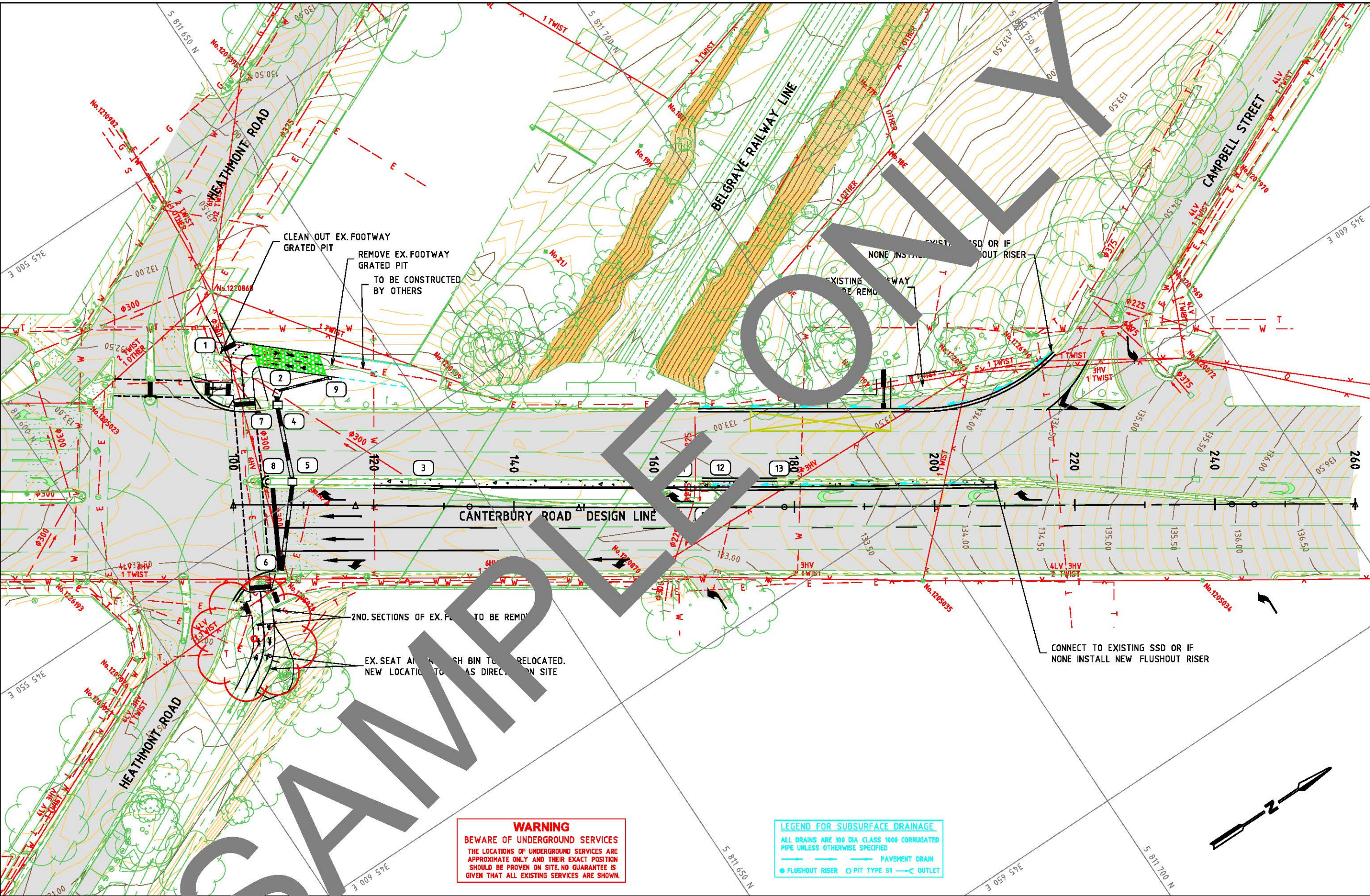
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GENERAL NOTES
 1. SURVEY DATUMS: LEVELS - AHD, GRID - GDA2020 ZONE 55

INVESTMENT AND DESIGN SERVICES
 DESIGNED: 01/10/21
 APPROVED: 28/06/22
 NETWORK DESIGN SERVICES
 12 LAKESIDE DRIVE, BURWOOD EAST, VICTORIA, 3151
 PHONE (03) 9981 8010

SCALE OF METRES
 HOR 0 5 10
 VER

CANTERBURY RD HEATHMONT ROAD INTERSECTION MAROONDAH CITY				
GEOMETRIC PLAN				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
	DoT25758	3	768987	



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

GENERAL NOTES
 1. SURVEY DATUMS: LEVELS - AHD, GRID - GDA2020 ZONE 55



REMOVE EXISTING TREE

INVESTMENT AND DESIGN SERVICES
 NETWORK DESIGN SERVICES
 12 LAKESIDE DRIVE,
 BURWOOD EAST,
 VICTORIA, 3151
 PHONE (03) 9981 8010

DESIGNED
 01/10/21
APPROVED
 28/06/22
 CAT: Metro_South_East
 PROJ: 47478 - Canterbury Rd/Heathmont Rd
 FILE: 47478-de--ap-01.dgn



SCALE OF METRES
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 VER

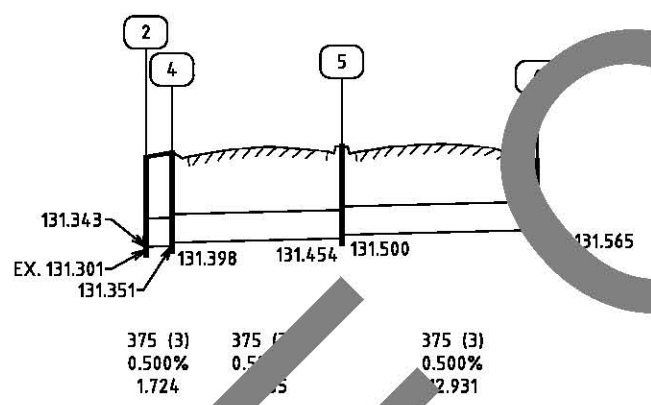
CANTERBURY RD
 HEATHMONT ROAD INTERSECTION
 MAROONDAH CITY
ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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SAMPLE ONLY



PIT No.	TYPE	PIT DIMENSIONS			PIT LEVELS		PIT LOCATION		FACE	SLOPE DEG	REFERENCE	REMARKS
		L	W	D	INVERT	TOP	EASTING	NORTHING				
1	JP											EXISTING JUNCTION PIT
2	JP	750	750	1289	131.241*	132.530*	345536.080*	11633.539*	234	41	SD1301	LOCATE EX. 300mm ϕ PIPE AND CONSTRUCT JP ON EX. DRAINAGE PIPE. INSTALL CLASS D COVER AND FRAME
3	SEP										SD1301	ADJUST EXISTING SEP TO MATCH NEW KERB ALIGNMENT
4	SEP	1000	750	1290	131.289*	132.579*	345537.437*	11632.67*	214	05	SD1301	MODIFIED SIDE ENTRY PIT TO BE CONSTRUCTED WITH CLASS D BULLNOSED GRATED DRIVEWAY COVER AND FRAME
5	SEP	1000	750	1276	131.391	132.667	345547.772	11628.1*	213	52	SD1301	SIDE ENTRY PIT WITH BACK TO BACK OPENINGS
6	GP										SD1321	REMOVE EXISTING 300mm ϕ PIPE AND CONNECT NEW 375mm ϕ PIPE INTO EXISTING GATED SEP
7	SEP											REMOVE/FILL IN EXISTING SEP
8	SEP											REMOVE/FILL IN EXISTING SEP
9	GP	450	410			132.494	345538.192	11644.1*	221	33	SD1401	CONNECT TO JP NO. 2 WITH 150mm ϕ PIPE. INVERT LEVELS TO BE DETERMINED ON SITE
10	JP					132.946					SD1131	CONVERT EXISTING SEP TO JP WITH CLASS D COVER AND FRAME. ADJUST TOP OF PIT TO MATCH NEW LEVELS
11	SEP										SD1301	CONVERT EXISTING SEP TO SEP WITH BACK TO BACK OPENINGS TO MATCH NEW KERB ALIGNMENT
12	JP										SD1121	ADJUST EXISTING JP COVER AND FRAME TO MATCH NEW KERB ALIGNMENT
13	SEP										SD1301	ADJUST EXISTING SEP WITH BACK TO BACK OPENINGS TO MATCH NEW KERB ALIGNMENT

* SET OUT POINTS AND LEVELS TO BE CONFIRMED ON SITE

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GENERAL NOTES
 1. SURVEY DATUMS: LEVELS - AHD, GRID - GDA2020 ZONE 55
 2. PIPE/CULVERT LABEL 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
 6. ALL PIPES TO HAVE RUBBER RING JOINTS UNLESS OTHERWISE SPECIFIED

INVESTMENT AND DESIGN SERVICES
 NETWORK DESIGN SERVICES
 12 LAKESIDE DRIVE, BURWOOD EAST, VICTORIA, 3151
 PHONE (03) 9981 8010

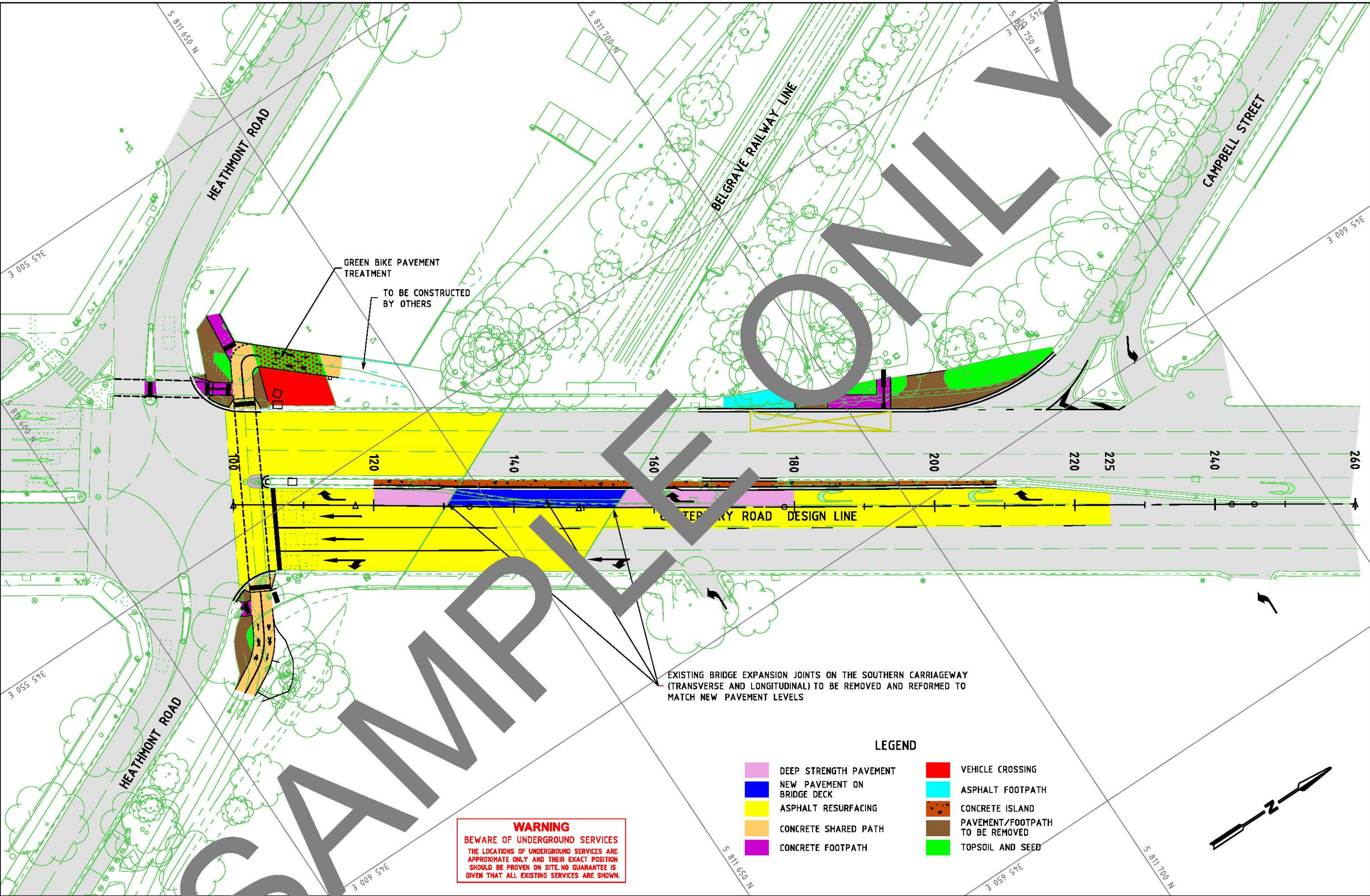
DESIGNED
 26/10/21

APPROVED
 28/06/22

CAT: Metro_South_East
 PROJ: 47478 - Canterbury Rd/Heathmont Rd
 FILE: 47478-de--dl-01.dgn

SCALE OF METRES
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CANTERBURY RD HEATHMONT ROAD INTERSECTION MAROONDAH CITY				
DRAINAGE LONGITUDINAL				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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GREEN BIKE PAVEMENT TREATMENT
TO BE CONSTRUCTED BY OTHERS

EXISTING BRIDGE EXPANSION JOINTS ON THE SOUTHERN CARRIAGEWAY (TRANSVERSE AND LONGITUDINAL) TO BE REMOVED AND REFORMED TO MATCH NEW PAVEMENT LEVELS

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

- DEEP STRENGTH PAVEMENT
- NEW PAVEMENT ON BRIDGE DECK
- ASPHALT RESURFACING
- CONCRETE SHARED PATH
- CONCRETE FOOTPATH
- VEHICLE CROSSING
- ASPHALT FOOTPATH
- CONCRETE ISLAND
- PAVEMENT/FOOTPATH TO BE REMOVED
- TOPSOIL AND SEED

GENERAL NOTES

INVESTMENT AND DESIGN SERVICES
NETWORK DESIGN SERVICES
12 LAKESIDE DRIVE, BURWOOD EAST, VICTORIA, 3151
PHONE (03) 9981 8010

DESIGNED 01/10/21
APPROVED 28/06/22
CAT: Metro_South_East
PROJ: 47478 - Canterbury Rd/Heathmont Rd
FILE: 47478-de--ptl-01.dgn



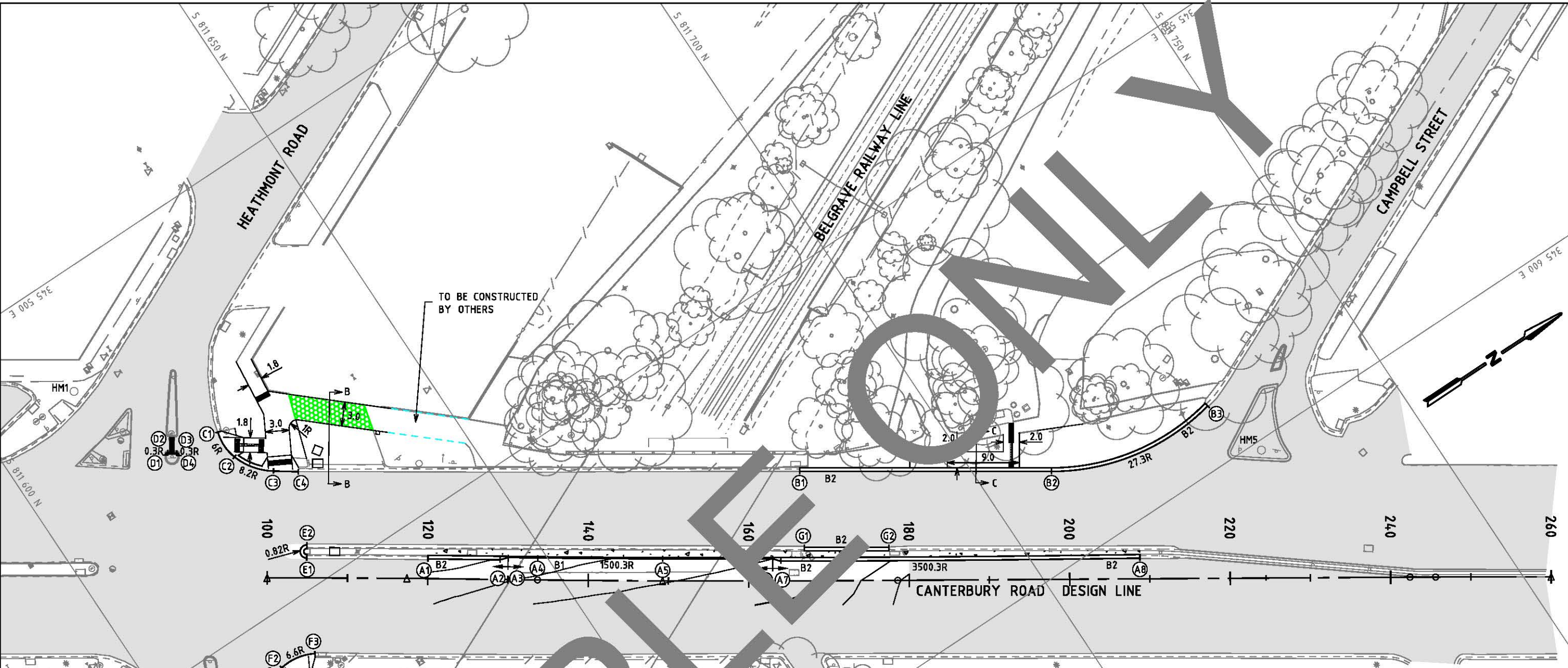
SCALE OF METRES
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VER

CANTERBURY RD
HEATHMONT ROAD INTERSECTION
MAROONDAH CITY
PAVEMENT TYPE LIMITS

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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PROFILE ALONG SHARED WITH DESIGN LINE

CHAINAGE	EXISTING SURF	GRADE LINE	REDUCED LEVEL
0.0	132.466	132.48	132.32
5.0	132.315	132.32	131.93
10.1	131.960	131.93	131.78
15.0	131.771	131.78	131.78

KERB AND CHANNEL SET OUT POINTS

POINT	EASTING	NORTHING	RL
A1	345554.960	5811637.528	EXISTING
A2	345560.032	5811644.962	132.709
A3	345560.342	5811645.949	132.707*
A4	345562.422	5811648.997	132.737*
A5	345571.122	5811661.893	132.831*
A6	345578.716	5811673.324	132.900*
A7	345579.518	5811673.993	132.910
A8	345603.965	5811711.491	EXISTING
B1	345571.508	5811682.138	EXISTING
B2	345588.862	5811708.289	EXISTING
B3	345592.827	5811729.020	EXISTING
C1	345527.321	5811624.483	EXISTING
C2	345531.027	5811624.486	EXISTING
C3	345535.191	5811627.560	EXISTING
C4	345536.976	5811630.093	EXISTING
D1	345526.085	5811617.428	EXISTING
D2	345526.005	5811617.849	132.629
D3	345526.639	5811618.757	132.595
D4	345527.055	5811618.833	EXISTING

POINT	EASTING	NORTHING	RL
E1	345546.523	5811625.005	EXISTING
E2	345545.163	5811625.921	EXISTING
F1	345557.188	5811612.003	EXISTING
F2	345556.200	5811614.835	EXISTING
F3	345557.004	5811619.265	EXISTING
G1	345579.712	5811677.390	EXISTING
G2	345585.532	5811686.198	EXISTING
H1	345560.391	5811613.037	132.380**
H2	345562.824	5811611.702	132.214
H3	345566.147	5811608.411	131.915
H4	345567.937	5811605.224	131.785**
H5	345570.251	5811607.073	131.751**
H6	345568.903	5811609.622	131.874
H7	345564.267	5811614.332	132.257
H8	345561.283	5811615.970	132.481**

WARNING
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* SET OUT POINT TO LINE OF KERB (B1 TYPE KERB)
** EXISTING R.L.

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GENERAL NOTES
1. SURVEY DATUMS: LEVELS - AHD, GRID - GDA2020 ZONE 55.
2. SET OUT POINTS ARE TO LIP OF KERB AND CHANNEL UNLESS OTHERWISE SHOWN.
3. CONSTRUCT ALL PRAM CROSSINGS TO DDA SPECIFICATION. REFER AS1428.4.

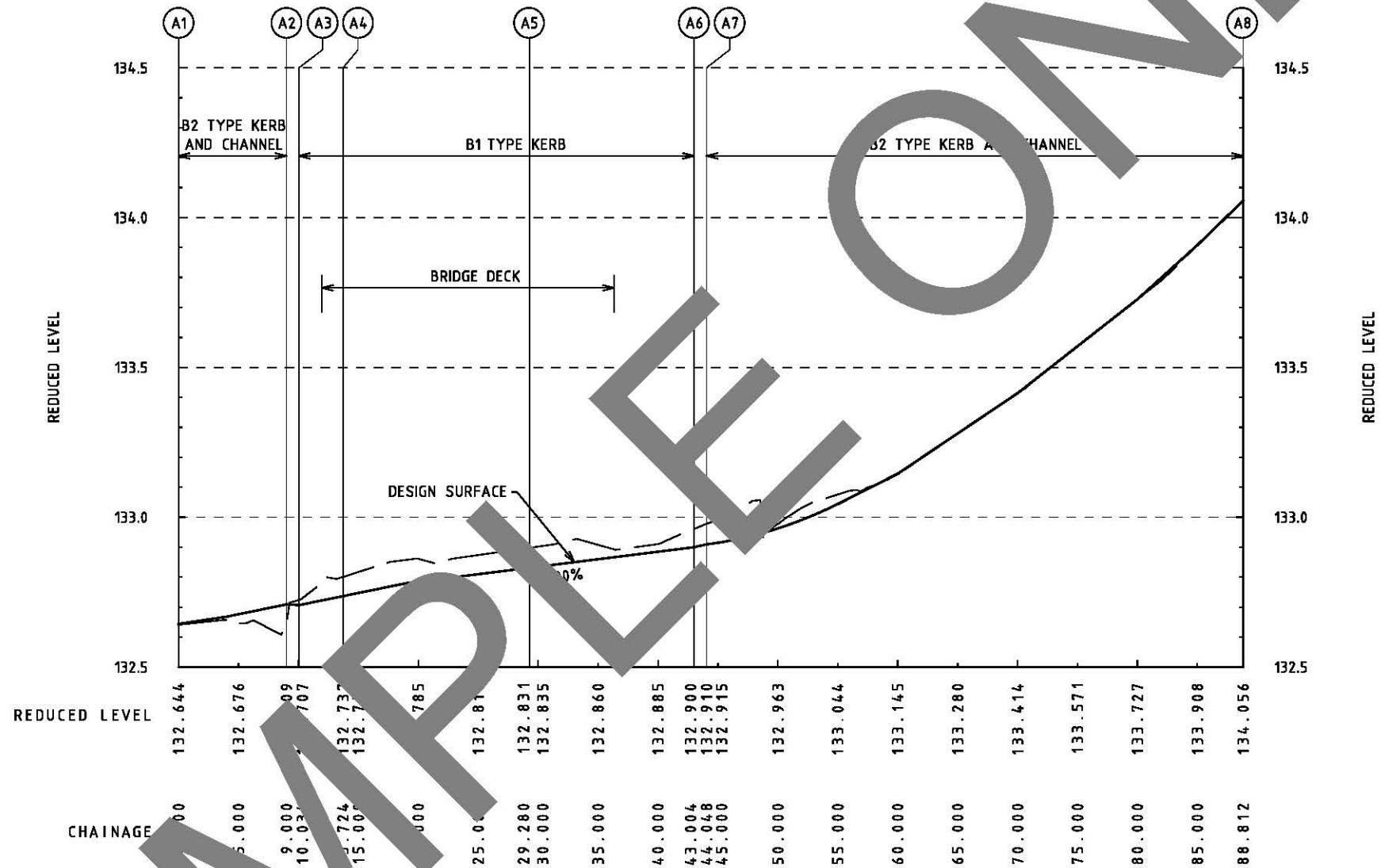
SMX ← SMX KERB TRANSITION

INVESTMENT AND DESIGN SERVICES
DESIGNED 01/10/21
APPROVED 28/06/22
CAT: Metro_South_East
PROJ: 47478 - Canterbury Rd/Heathmont Rd
FILE: 47478-de--sod-01.dgn

SCALE OF METRES
HOR 0 5 10
VER 0 0.5 1.0

CANTERBURY RD
HEATHMONT ROAD INTERSECTION
MAROONDAH CITY
SETTING OUT DETAIL

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
	DoT25758	7	768991	



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ISSUE	APP'D	DATE	AMENDMENT
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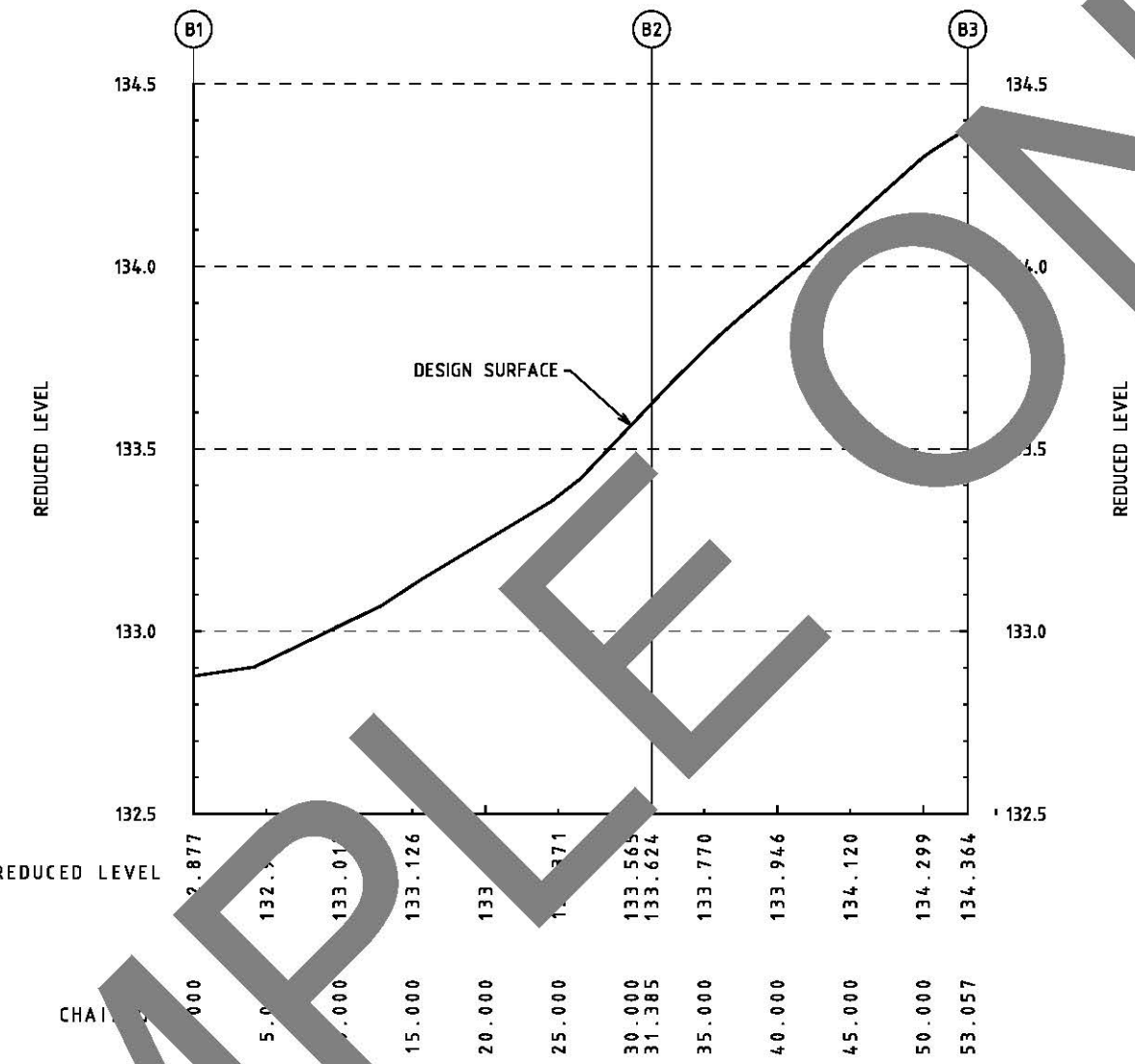
GENERAL NOTES
 1. SURVEY DATUMS: LEVELS - AHD, GRID - GDA2020 ZONE 55.
 2. SET OUT POINTS ARE TO LIP OF KERB AND CHANNEL UNLESS OTHERWISE SHOWN.

INVESTMENT AND DESIGN SERVICES
 NETWORK DESIGN SERVICES
 12 LAKESIDE DRIVE,
 BURWOOD EAST,
 VICTORIA, 3151
 PHONE (03) 9981 8010

DESIGNED
 01/10/21
APPROVED
 28/06/22
 CAT: Metro_South_East
 PROJ: 47478 - Canterbury Rd/Heathmont Rd
 FILE: 47478-de--lip-01.dgn



CANTERBURY RD HEATHMONT ROAD INTERSECTION MAROONDAH CITY LIP A LIP PROFILES					
SCALE OF METRES HOR 0 5 10 VER 0 0.2 0.4	FILE NO.	CONTRACT NO. DoT25758	SHEET NO. 8	DRAWING NO. 768992	ISSUE



SAMPLE ONLY

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ISSUE	APP'D	DATE	AMENDMENT
E			
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B			
A			

GENERAL NOTES
 1. SURVEY DATUMS: LEVELS - AHD, GRID - GDA2020 ZONE 55.
 2. SET OUT POINTS ARE TO LIP OF KERB AND CHANNEL UNLESS OTHERWISE SHOWN.

INVESTMENT AND DESIGN SERVICES
 NETWORK DESIGN SERVICES
 12 LAKESIDE DRIVE, BURWOOD EAST, VICTORIA, 3151
 PHONE (03) 9981 8010

DESIGNED
 01/10/21

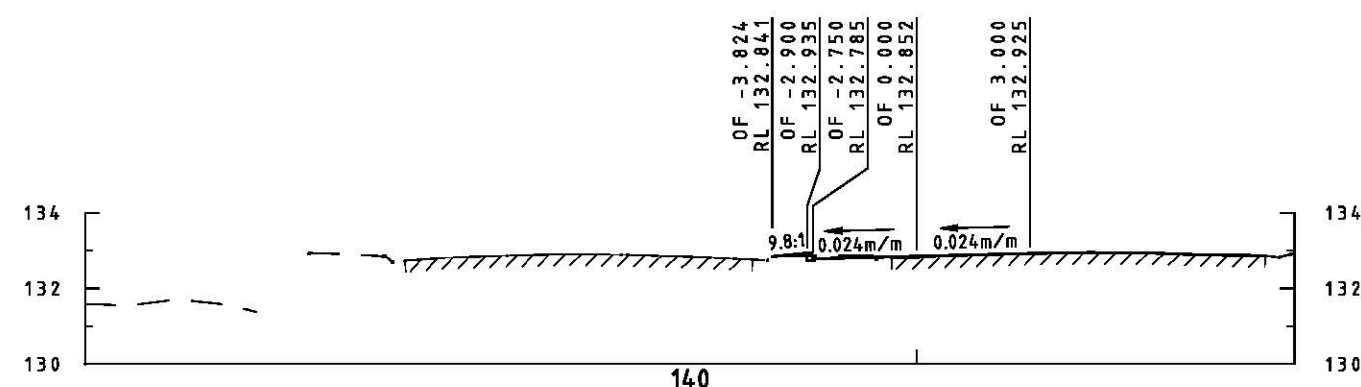
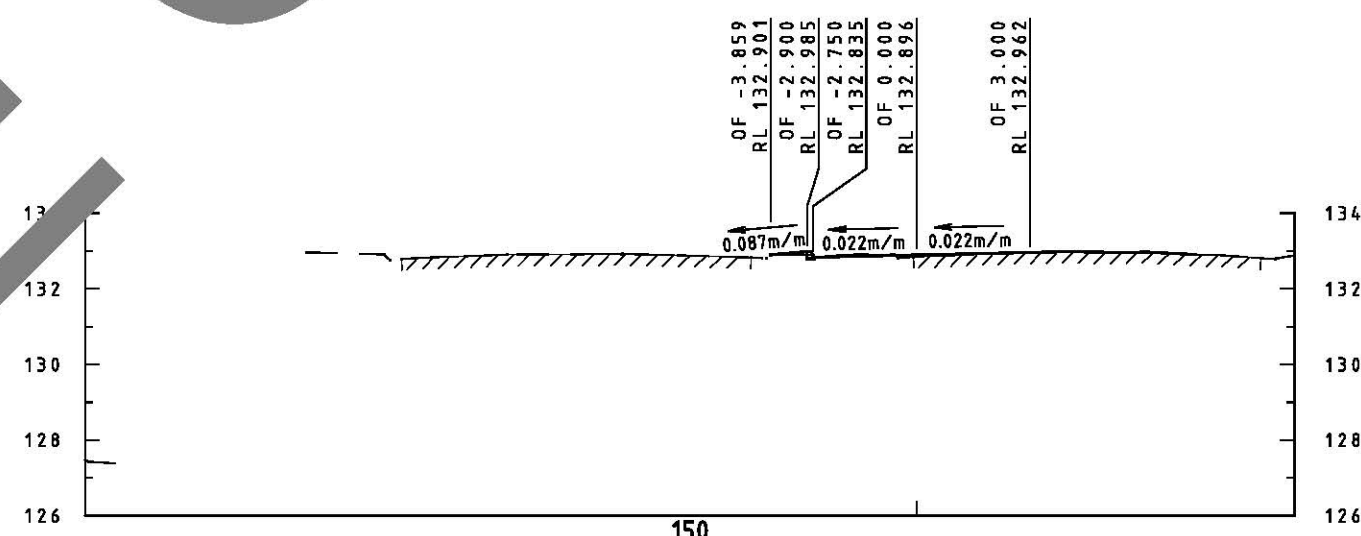
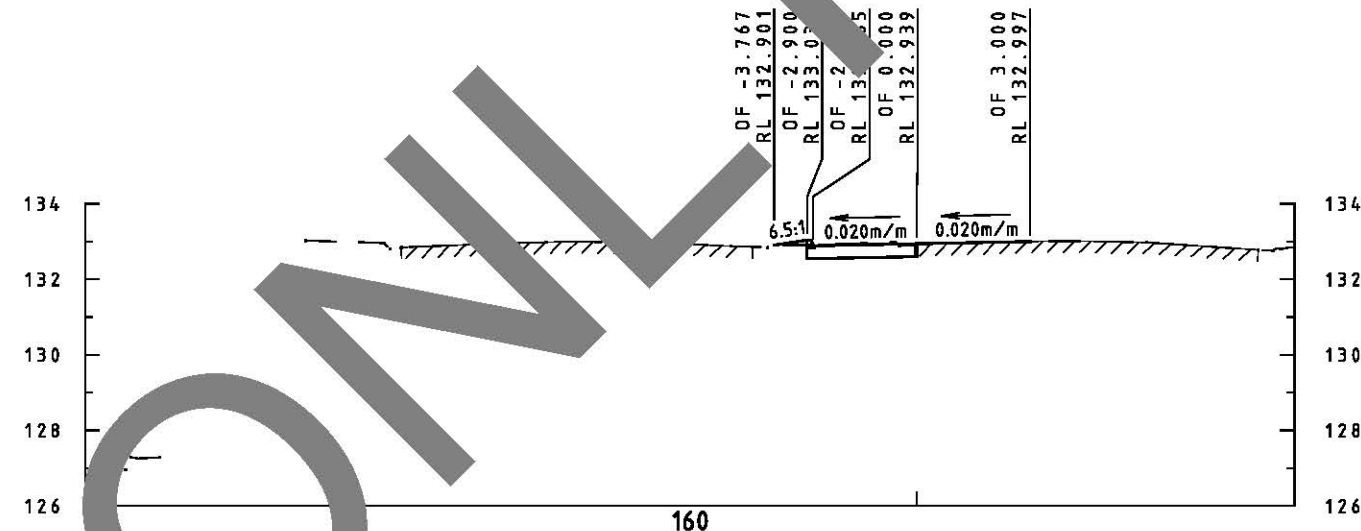
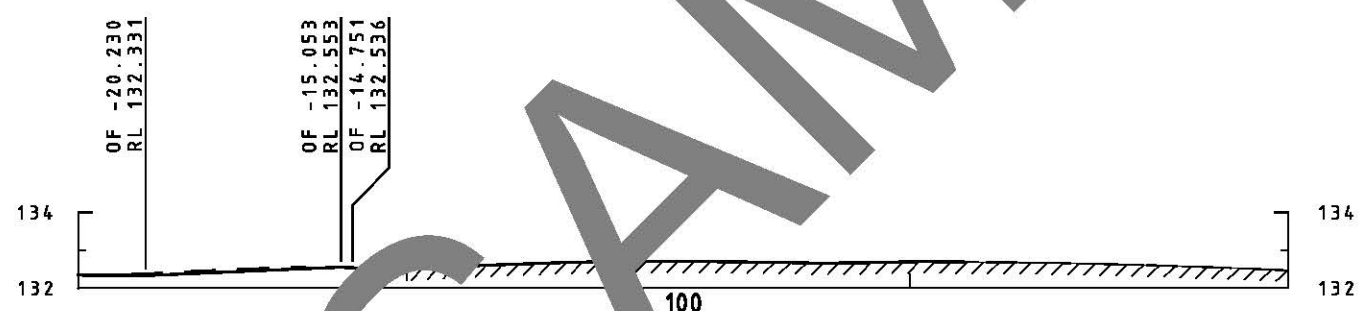
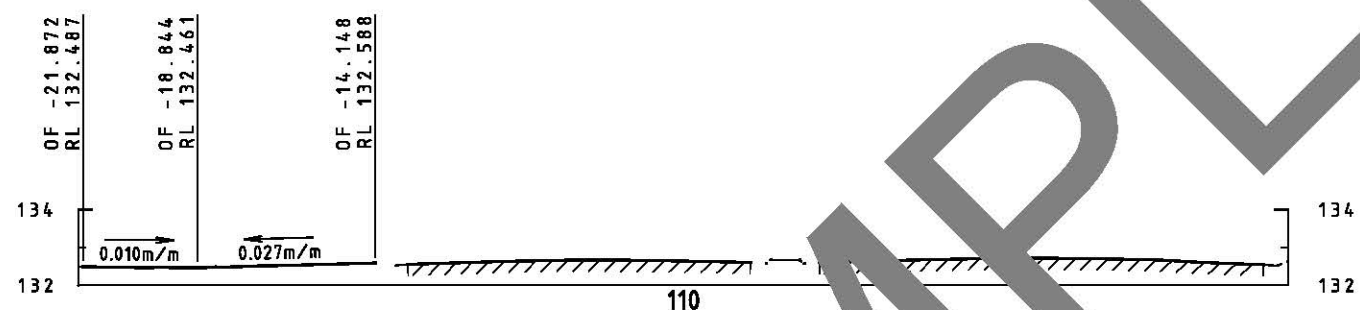
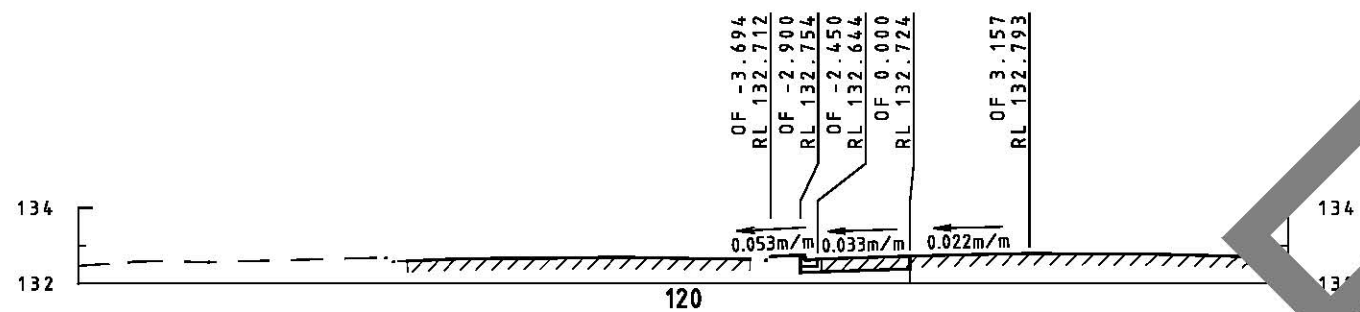
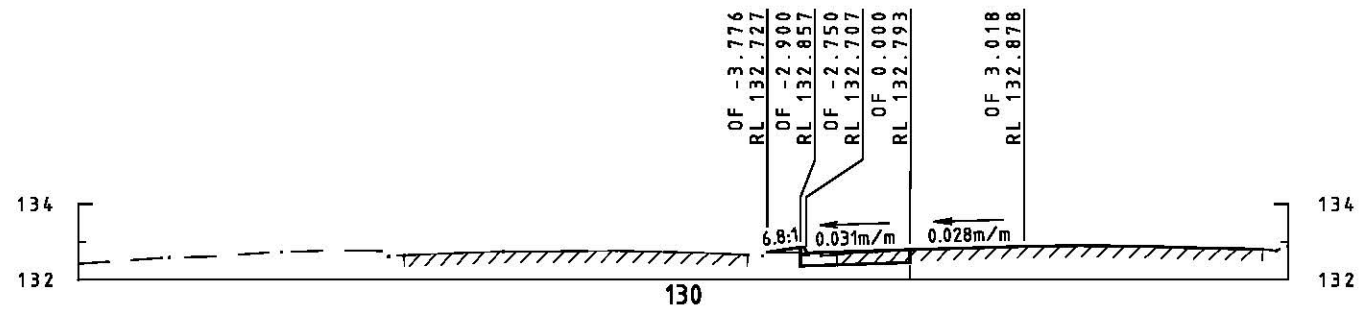
APPROVED
 28/06/22

CAT: Metro_South_East
 PROJ: 47478 - Canterbury Rd/Heathmont Rd
 FILE: 47478-de--lip-02.dgn



SCALE OF METRES
 HOR 0 5 10
 VER 0 0.2 0.4

CANTERBURY RD HEATHMONT ROAD INTERSECTION MAROONDAH CITY LIP B LIP PROFILES			
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.
	DoT25758	9	768993
ISSUE			



ISSUE	APP'D	DATE	AMENDMENT
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GENERAL NOTES

INVESTMENT AND DESIGN SERVICES
 DESIGNED 01/10/21
 NETWORK DESIGN SERVICES
 APPROVED 28/06/22
 12 LAKESIDE DRIVE, BURWOOD EAST, VICTORIA, 3151
 PHONE (03) 9981 8010

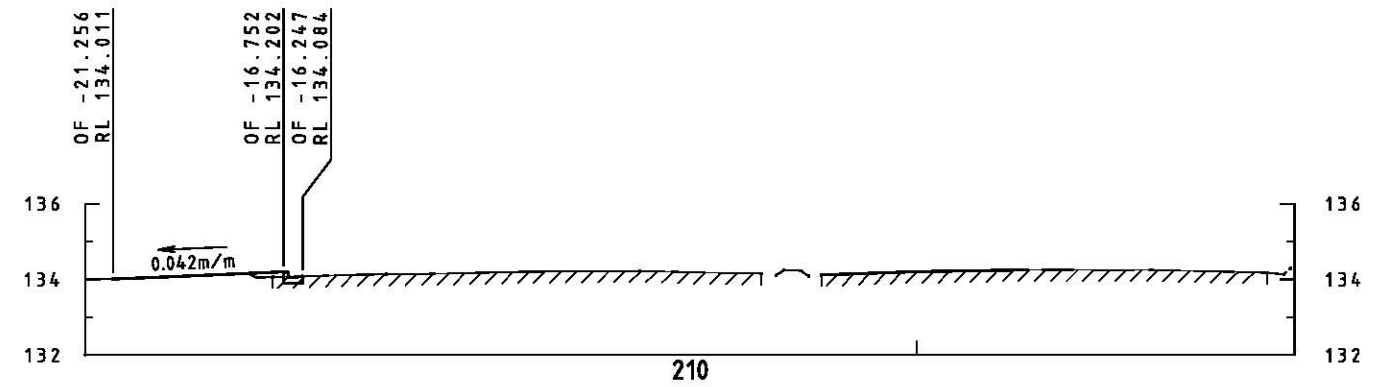
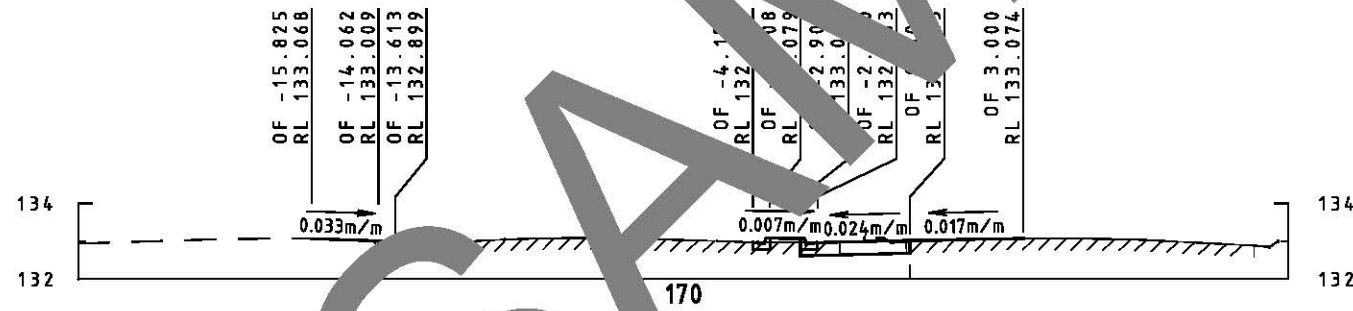
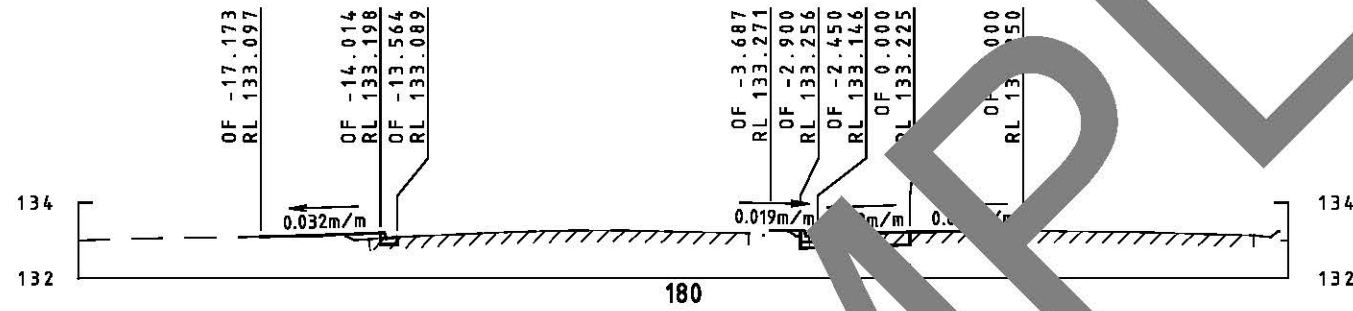
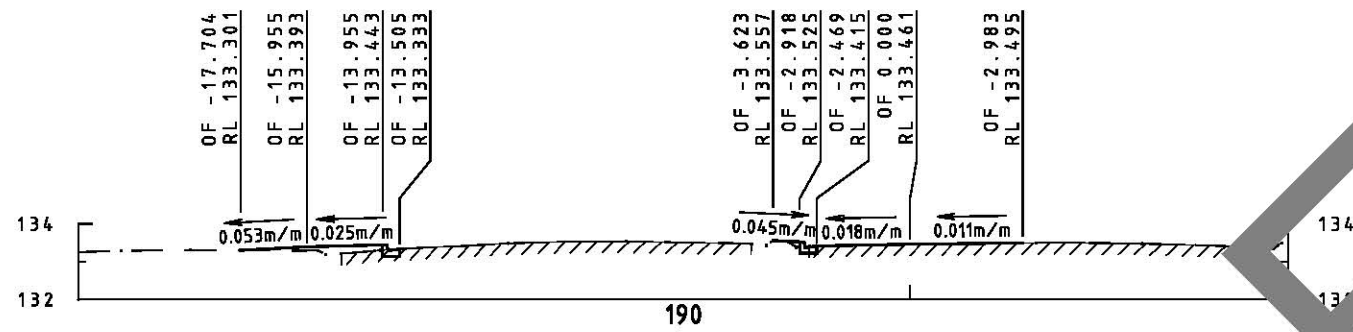
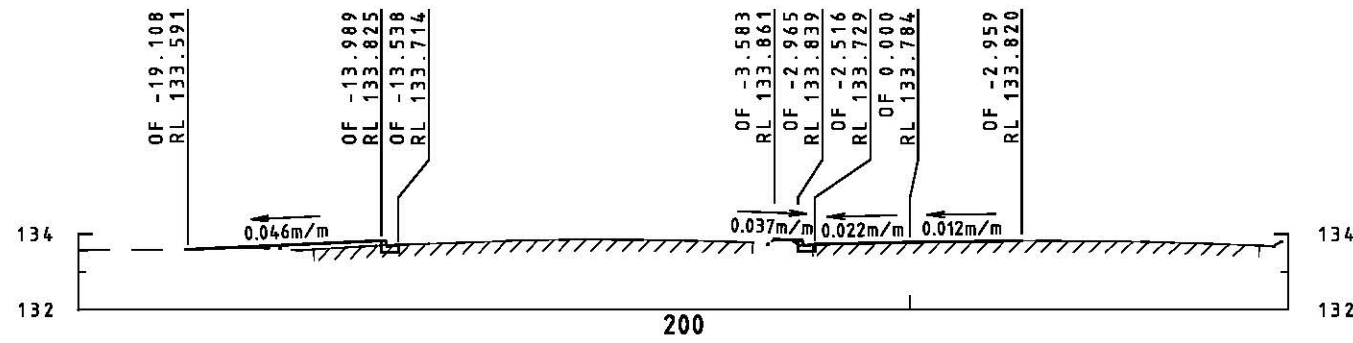
SCALE OF METRES
 HOR 0 2 4
 VER 0 2 4

CANTERBURY RD
 HEATHMONT ROAD INTERSECTION
 MAROONDAH CITY
 CH 100 - CH 160
 CROSS SECTIONS

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
	DoT25758	10	768994	

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ISSUE	APP'D	DATE	AMENDMENT
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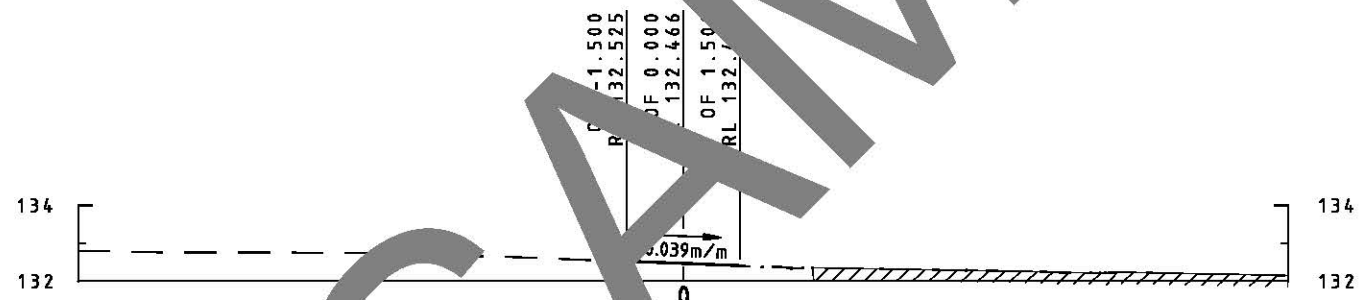
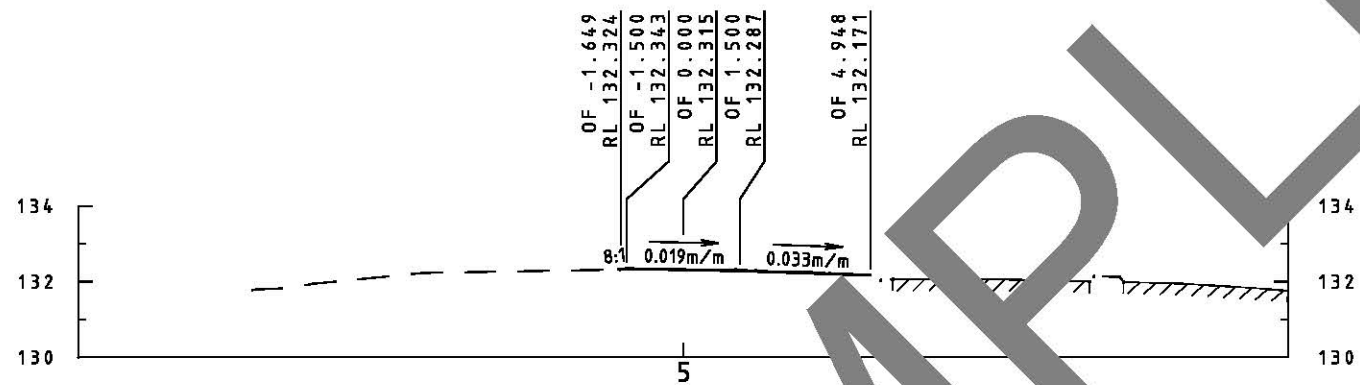
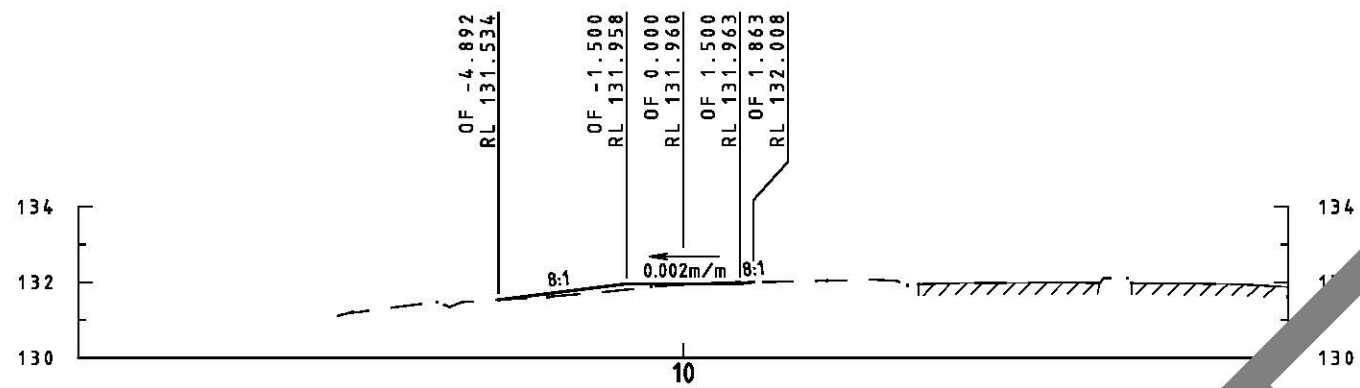
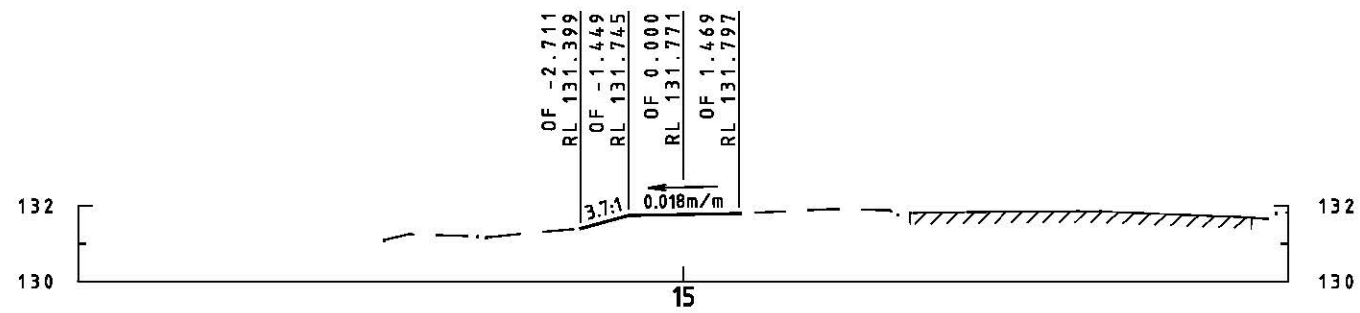
GENERAL NOTES

INVESTMENT AND DESIGN SERVICES
DESIGNED 01/10/21
NETWORK DESIGN SERVICES
APPROVED 28/06/22
12 LAKESIDE DRIVE, BURWOOD EAST, VICTORIA, 3151
PHONE (03) 9981 8010

SCALE OF METRES
HOR 0 2 4
VER 0 2 4

CANTERBURY RD HEATHMONT ROAD INTERSECTION MAROONDAH CITY CH 170 - CH 210 CROSS SECTIONS				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
	DoT25758	11	768995	

SAMPLE ONLY



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ISSUE	APP'D	DATE	AMENDMENT
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GENERAL NOTES

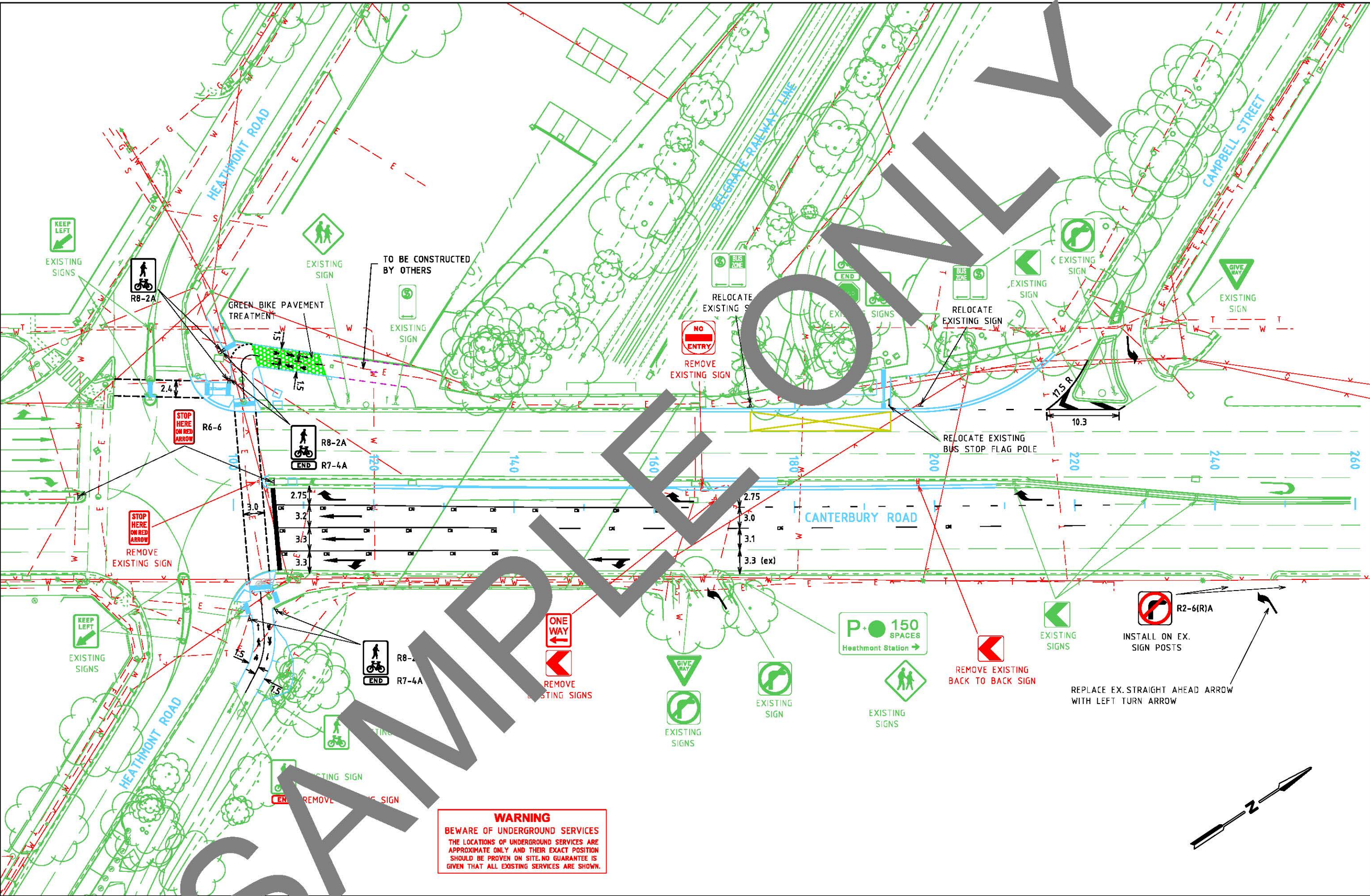
INVESTMENT AND DESIGN SERVICES
 NETWORK DESIGN SERVICES
 12 LAKESIDE DRIVE, BURWOOD EAST, VICTORIA, 3151
 PHONE (03) 9981 8010

DESIGNED
12/01/22
 APPROVED
28/06/22
 SCALE OF METRES
 HOR 0 2 4
 VER 0 2 4

vicroads

CANTERBURY RD
 HEATHMONT ROAD INTERSECTION
 MAROONDAH CITY
 SHARED PATH
 CROSS SECTIONS

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
	DoT25758	12	768996	



SAMPLE ONLY

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. ALL SIGNS AND PAVEMENT MARKINGS TO BE PLACED IN ACCORDANCE WITH AS1742 AND VICROADS SUPPLEMENTS.
 2. ALL DIMENSIONS ARE TO THE LINE OF KERB AND CHANNEL UNLESS OTHERWISE SHOWN.
 3. ALL REDUNDANT PAVEMENT MARKINGS TO BE REMOVED.

INVESTMENT AND DESIGN SERVICES
 NETWORK DESIGN SERVICES
 12 LAKESIDE DRIVE, BURWOOD EAST, VICTORIA, 3151
 PHONE (03) 9981 8010

DESIGNED
 01/10/21

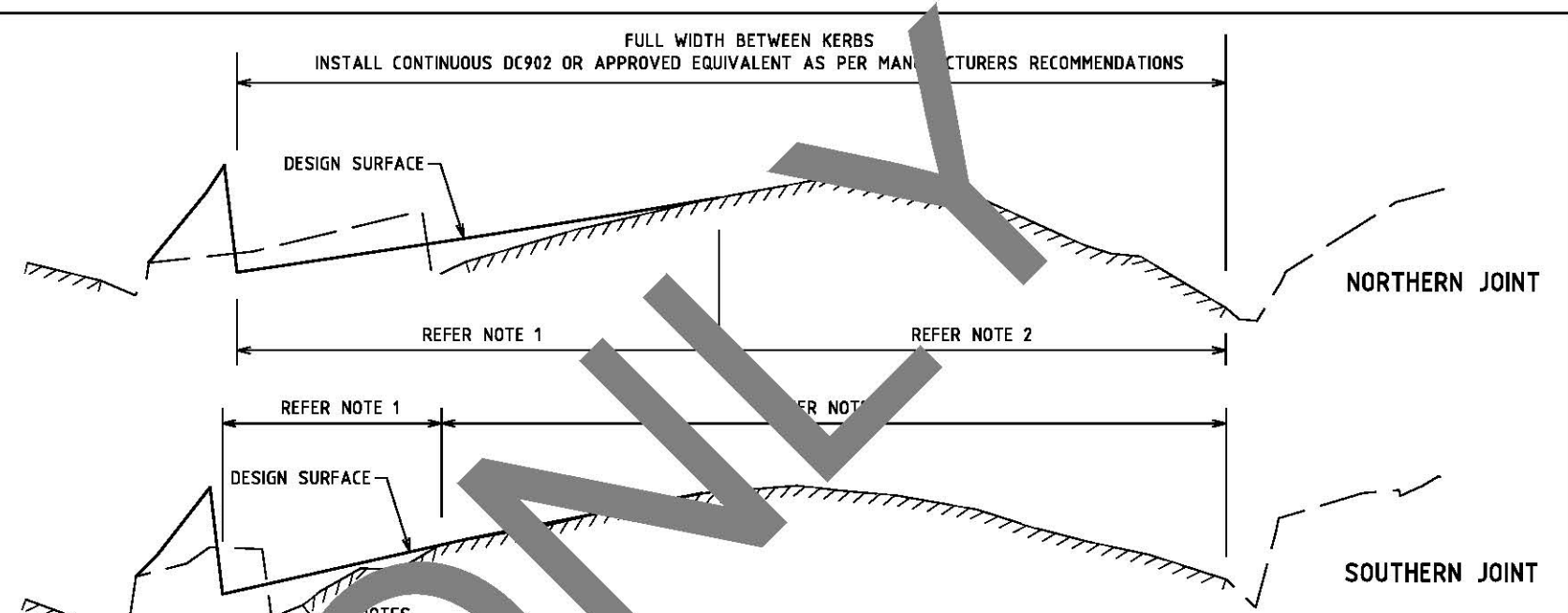
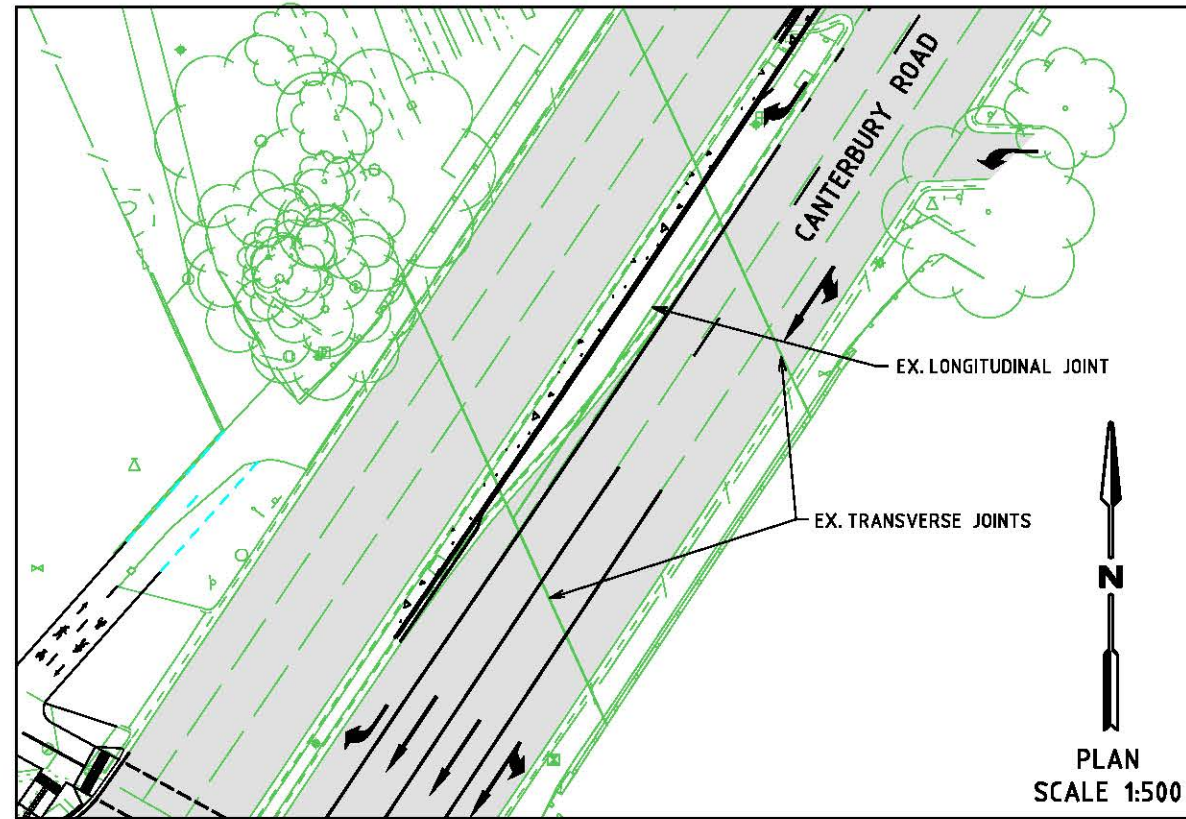
APPROVED
 28/06/22

CAT: Metro_South_East
 PROJ: 47478 - Canterbury Rd/Heathmont Rd
 FILE: 47478-de--slp-01.dgn

SCALE OF METRES
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CANTERBURY RD HEATHMONT ROAD INTERSECTION MAROONDAH CITY				
SIGNS AND PAVEMENT MARKING PLAN				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
	DoT25758	13	612034	

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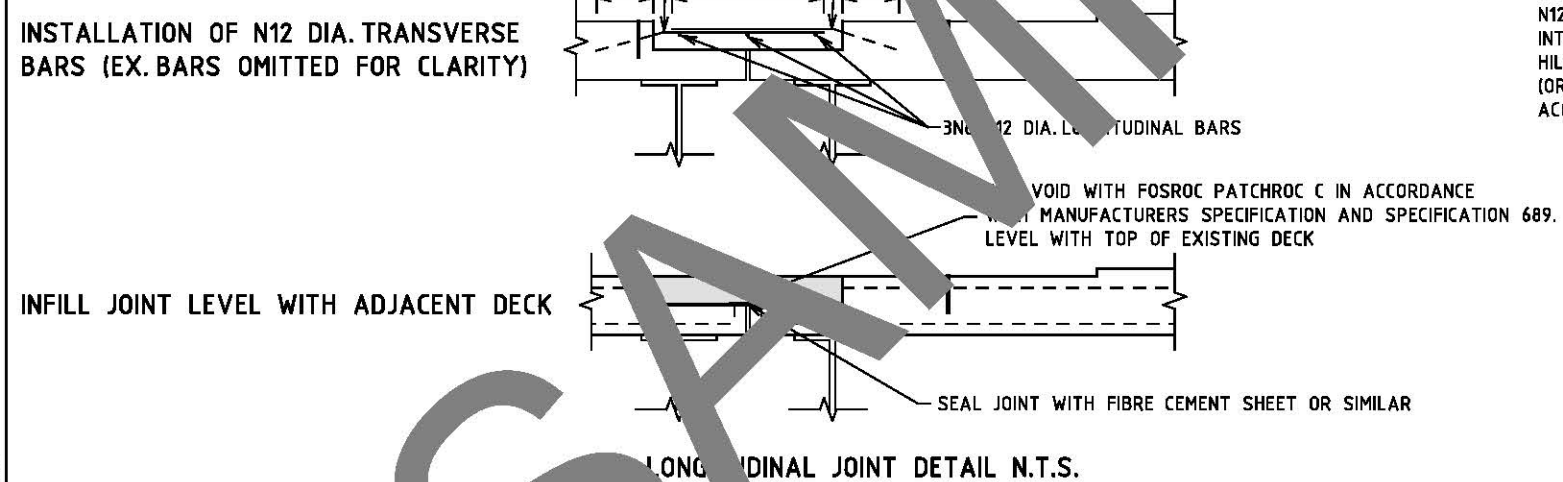
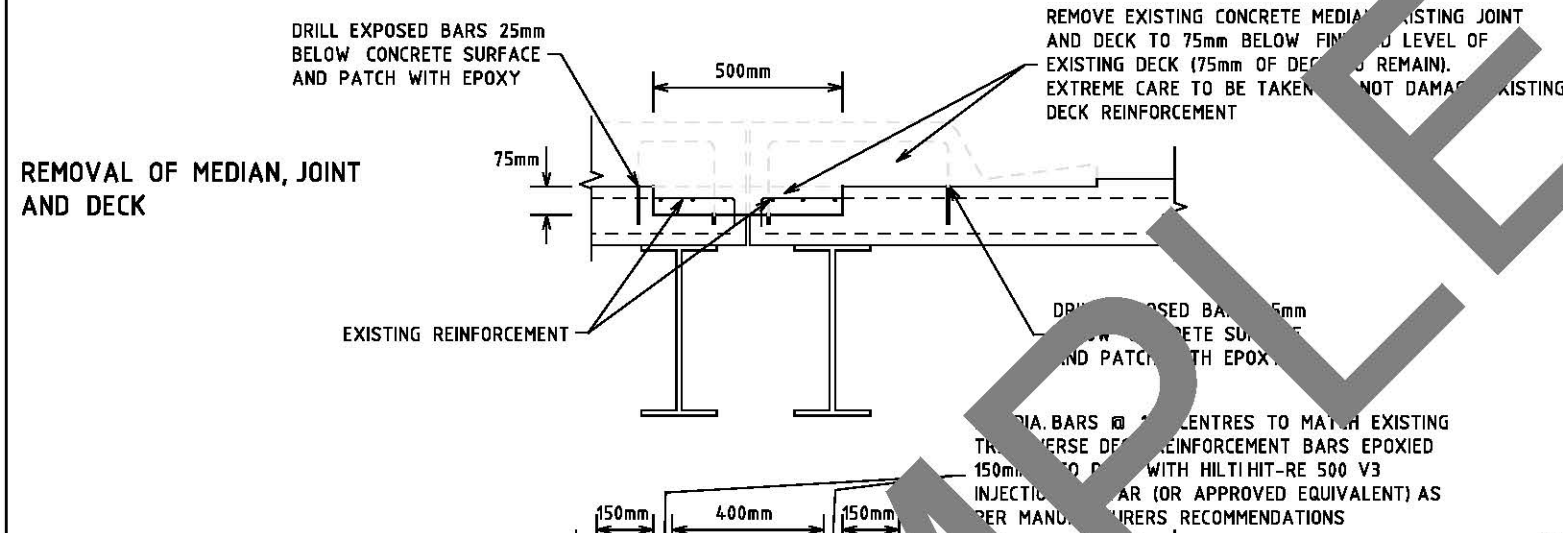


NOTES

1. WHERE NEW FINISHED LEVEL IS ABOVE EXISTING SURFACE, EXISTING JOINT NOSING TO BE REMOVED 300mm WIDE BY 300mm DEEP OR TO EXISTING SOUND CONCRETE (WHICHEVER IS GREATER). GRANOR SILSPEC 900 OR APPROVED EQUIVALENT INSTALLED TO MATCH WIDTH OF EXISTING JOINT PRIOR TO FULL WIDTH INSTALLATION OF GRANOR DC902.

2. WHERE EXISTING FINISHED LEVEL IS UNCHANGED, BLAST SURFACE OF EXISTING JOINT CLEAN IN ACCORDANCE WITH DC902 MANUFACTURERS RECOMMENDATIONS PRIOR TO INSTALLATION OF DC902 (GRANOR)

PROFILES ALONG TRANSVERSE JOINTS ON SOUTHBOUND CARRIAGEWAY
SCALE HORIZ 1:100
VERT 1:10



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C				
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A				
ISSUE	APP'D	DATE	AMENDMENT	

GENERAL NOTES

VOID WITH FOSROC PATCHROC C IN ACCORDANCE WITH MANUFACTURERS SPECIFICATION AND SPECIFICATION 689. LEVEL WITH TOP OF EXISTING DECK

SEAL JOINT WITH FIBRE CEMENT SHEET OR SIMILAR

LONGITUDINAL JOINT DETAIL N.T.S.

DESIGNED
STRUCTURAL ENGINEERING

APPROVED

30/06/22

CAT: Metro_South_East
PROJ: 47478 - Canterbury Rd/Heathmont Rd
FILE: 47478-de--dp-01.dgn

SCALE OF METRES
NOT TO SCALE

HOR
VER

CANTERBURY RD
HEATHMONT ROAD INTERSECTION
MAROONDAH CITY
BRIDGE DECK DETAILS
DETAIL PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
	DoT25758	14	612127	

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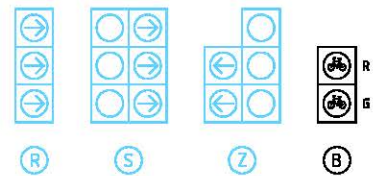
REMODEL NOTES

- A. SIGNALS CONTRACTOR**
- PEDESTAL 2 - INSTALL NEW PEDESTAL BASE AND NEW 2B PEDESTAL AND RELOCATE ALL ASSOCIATED HARDWARE FROM REDUNDANT PEDESTAL 2E AS SHOWN.
 - PEDESTAL 3 - INSTALL NEW 'B' LANTERN AS SHOWN.
 - PEDESTAL 5 - INSTALL NEW PEDESTAL BASE AND NEW 2B PEDESTAL AND RELOCATE ALL. RELOCATE EXISTING 3 ASPECT AND 'S' LANTERN AND INSTALL NEW 'S' LANTERN AS SHOWN.
 - PEDESTAL 10 - REPLACE EXISTING 5 ASPECT LANTERN WITH NEW 'S' LANTERN AS SHOWN.
 - SUPPLY AND INSTALL AGD645 PEDESTRIAN DETECTORS ON PEDESTALS 6 AND 12.
 - REMOVE ALL REDUNDANT ABOVE GROUND HARDWARE.
 - INSTALL 1 DETECTOR PIT ON EAST APPROACH AND 1/50 CONDUIT TO CONDUIT PIT.
 - INSTALL DETECTOR LOOPS E1, E2, E3, E4, E(42) AND W(9) AS SHOWN AND ASSOCIATED FEEDER CABLES.
 - ALL VESI PITS AND ASSOCIATED CONDUITS TO BE INSTALLED BY POWER COMPANY APPROVED PRE-QUALIFIED ELECTRICAL CONTRACTORS.
 - RECABLE SITE AS REQUIRED.
 - CONTRACTOR TO SUPPLY ALL OF THE ABOVE HARDWARE USING LED LANTERNS.
 - INSTALL NEW PROM.

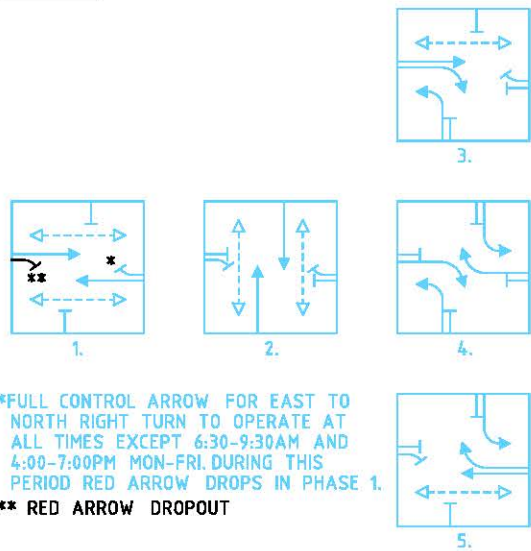
- B. CIVIL CONTRACTOR**
- CONSTRUCT ALL ROADWORKS AS SHOWN.
 - CONSTRUCT 3 DDA COMPLIANT PRAM CROSSINGS IN ACCORDANCE WITH AS 1428.
 - LINE MARK AS SHOWN AND REMOVE ANY REDUNDANT MARKINGS.
 - SUPPLY AND INSTALL R.R.P.M'S AS SHOWN AND REMOVE ANY REDUNDANT MARKERS.

- C. DEPARTMENT OF TRANSPORT**
- (i) METROPOLITAN SOUTH EAST REGION
 - SUPPLY NEW PROM.
 - (ii) SIGNAL SERVICES - EAST
 - REPROGRAM CONTROLLER

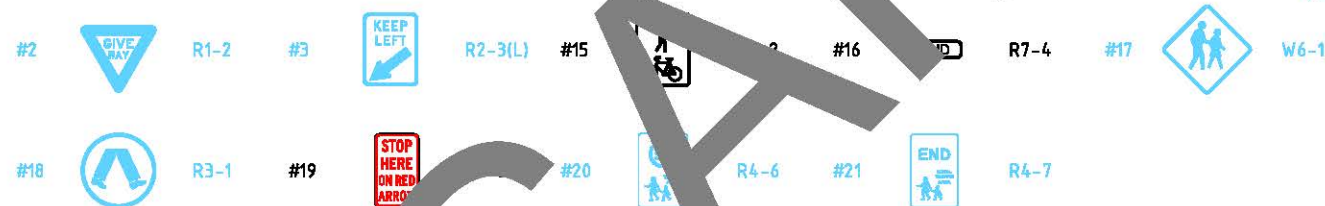
LANTERNS



PHASING



SIGN SCHEDULE

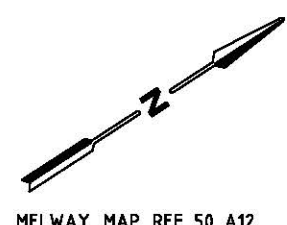
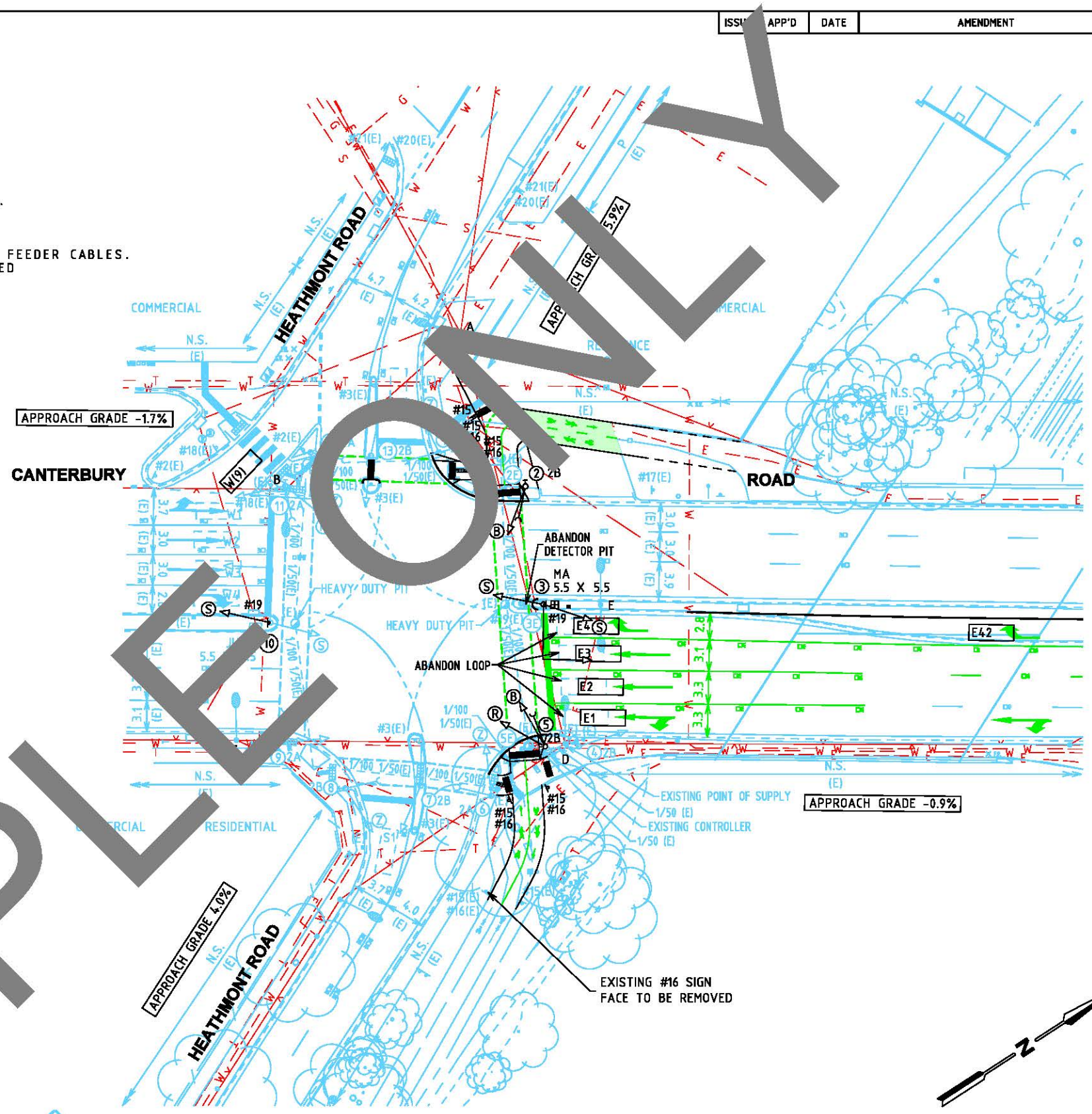


LEGEND

PEDESTAL - EXISTING, NEW, JUNT USE	TRAFFIC SIGNAL	SEWER	FENCE
3 ASPECT LANTERN - 200mm, 300mm	1/100 CONDUIT WITH MANHOLE	UNDERGROUND ELECTRICITY	UNDERGROUND SEWER MAIN
MAST ARM (OUTREACH AS INDICATED)	PIT - CONDUIT, DETECTOR	UNDERGROUND ELECTRICITY	UNDERGROUND GAS
PEDESTRIAN PUSH BUTTON & LANTERN	POLE - TRAMWAY, ELECTRICITY	UNDERGROUND GAS	UNDERGROUND WATER
VEHICLE GROUP - ACTIVE, PROHIBITED	F.O. INTERNALLY ILLUMINATED SIGN - FINE PITC	UNDERGROUND WATER	TELECOMMUNICATIONS - PIT, PILLAR
PERMITTED PEDESTRIAN MOVEMENT	N.R.T. NO RIGHT TURN	TELECOMMUNICATIONS - PIT, PILLAR	TELECOMMUNICATIONS - PIT, PILLAR
PROPOSED STREET LIGHT	G.W.T.P. GIVE WAY TO PEDESTRIANS	EXISTING FEATURE	TELECOMMUNICATIONS - PIT, PILLAR
EXISTING STREET LIGHT	N.S. NO STOPPING	EXISTING FEATURE	TELECOMMUNICATIONS - PIT, PILLAR
DETECTOR LOOP - PROPOSED, EXISTING	PAYMENT MARKER - RAISED, RAISED REFLECTIVE	D.S. DIRECTIONAL SIGN	TELECOMMUNICATIONS - PIT, PILLAR
		I.S. INFORMATION SIGN	

GENERAL NOTES

- BASE INFORMATION 2100499--fs-01.dgn
- ALL DIMENSIONS ARE TO FACE OF KERB AND CHANNEL.
- DECLARED ROAD- CANTERBURY ROAD (SPEED ZONE 60KM/H). LOCAL ROAD - HEATHMONT ROAD (SPEED ZONE 50KM/H).
- PUBLIC LIGHTING
 - A & C - EXISTING POLE WITH 150W HPS LIGHT
 - B - REPLACE EX. LIGHT WITH 150W LED LIGHT
 - D - REPLACE EX. LIGHT WITH 70W LED LIGHT
 - E - REPLACE EX. LIGHTS WITH 150W LED LIGHTS



<p>LOUIS L. 11 QUEEN STREET MELBOURNE VIC 3000 PH: 03 9398 4200 MELBOURNE@SALT.COM.AU WWW.SALT.COM.AU</p>	DATE: 16/06/2021	DRAWN:	APPROVED:
	SALT DRG. NO:	SALT-21105-T-002	
	REVISION:	02	
	VER:		

DESIGNED: 01/06/21

APPROVED:

CAT: Metro_South_East
PROJ: 47478 - Canterbury Rd/Heathmont Rd
FILE: 787533.dgn

SCALE OF METRES
HOR 0 5 10
VER

CANTERBURY RD HEATHMONT ROAD INTERSECTION MAROONDAH CITY				
TRAFFIC SIGNAL PLAN				
FILE NO.	SITE NO.	SHEET NO.	DRAWING NO.	ISSUE
TM060-MRH-855	855	1 OF 1	787533	

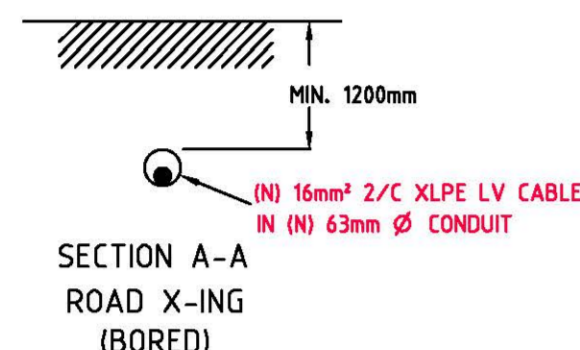
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INSTALLATION SCHEDULE

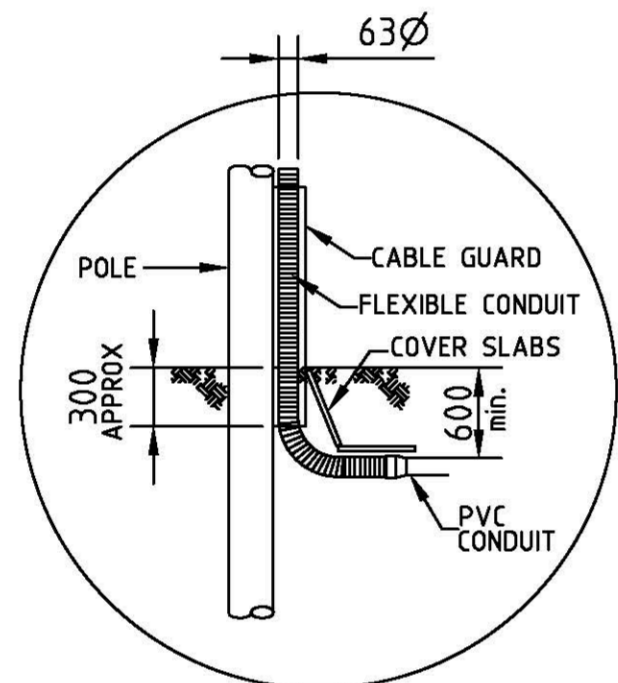
POLE No.	POLE TYPE	POLE LENGTH (m)	MOUNT'G HEIGHT (m)	BRACKET O'REACH (m)	LUMINAIRE	COST SHARED VICROADS	PO BID NUMBERS	LABEL TYPE	LIGHTING CATEGORY
1	(E) DISTRIBUTION POLE	UNKNOWN	8.0m	3.0	1 x 70W LED	YES	1205023	12	V3
2	(E) DISTRIBUTION POLE	12.5m	5.0m	4.0	1 x 33W LED	NO	1205026	12	V3
3	(E) DISTRIBUTION POLE	14m	7.3m	0.5	1 x 33W LED	YES	1220869	12	V3
4	(E) RIGID POLE	18m	12.5m	4.5/1.5	2 x 150W LED	YES	1224661	12	V3
5	(N) IMPACT ABSORBING POLE	11m	12.5m	3.0	2 x 150W LED	YES	2602185518	12	V3
6	(E) DISTRIBUTION POLE	12.5m	7.9m	1.0	1 x 33W LED	YES	1205035	12	V3
7	(E) DISTRIBUTION POLE	UNKNOWN	8.0m	3.0	1 x 70W LED	YES	1226191	12	V3
8	(E) DISTRIBUTION POLE	11	8.4m	5.0	1 x 70W LED	YES	1226190	12	V3
9	(E) DISTRIBUTION POLE	8.4m	8.0m	1.0	1 x 33W LED	NO	1207969	12	V3

TYPE 11 - 150 x 50 BLACK ON WHITE
 TYPE 12 - 115 x 25 BLACK ON YELLOW
 LABEL TYPE DETAILS AS PER
 EVX16/351 & EVX16/351/1

- NOTES
- DESIGN BY DEVELOPER.
 - CONSTRUCTION BY DEVELOPER.
 - ALL FITTINGS SHALL BE STANDARD.

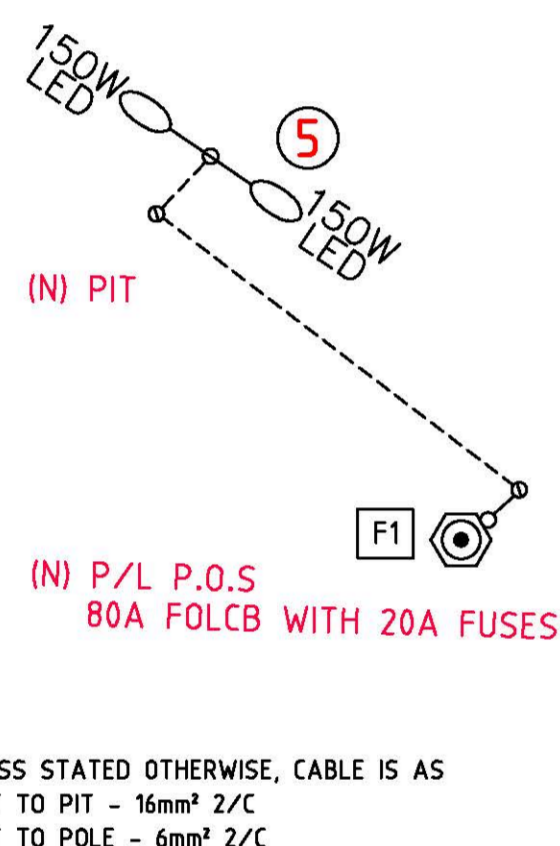


TRENCH SECTION



CONDUIT DETAIL AT CABLEHEAD POLE FOR P/L & SERVICE CABLES

PUBLIC LIGHTING LV SCHEMATIC DIAGRAM N.T.S.



UNLESS STATED OTHERWISE, CABLE IS AS
 PIT TO PIT - 16mm² 2/C
 PIT TO POLE - 6mm² 2/C

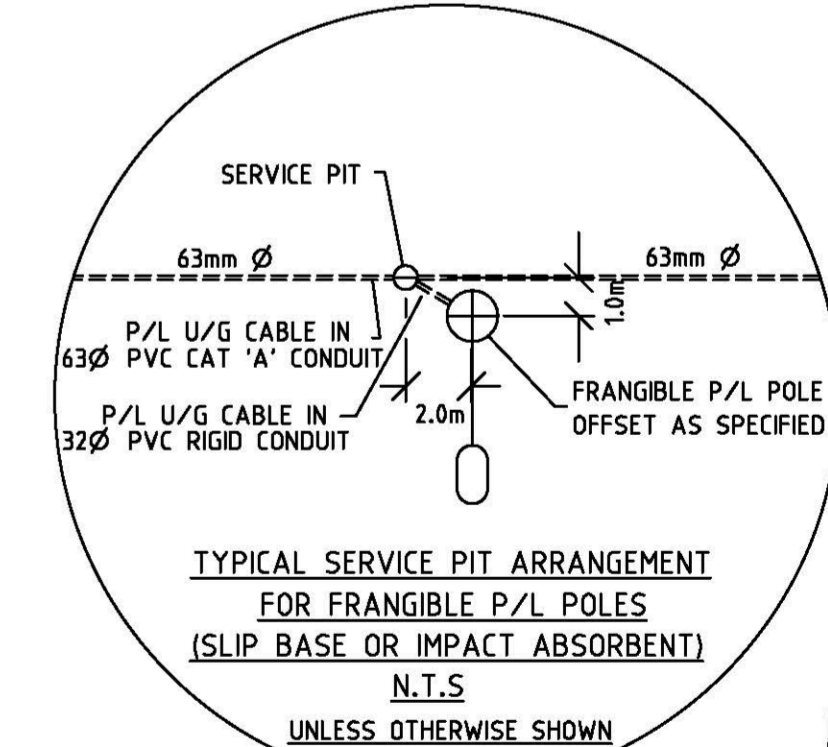
NOTE:

- LIGHTING HAS BEEN DESIGNED BY AN AUSNET SERVICES (ACCREDITED LIGHTING DESIGNER). TO AS/NZS 1158 CATEGORY V3 AS DESIGNATED BY DEPARTMENT OF TRANSPORT UNLESS SHOWN OTHERWISE.
- CONSTRUCTION BY DEVELOPER.
- BEFORE ANY WORK COMMENCES THE ACCREDITED CONTRACTOR SHALL OBTAIN AN "ACCC FORM" FROM AUSNET SERVICES REPRESENTATIVE FOR PERMISSION TO COMMENCE WORKS.
- THE ACCREDITED CONTRACTOR SHALL ABIDE BY THIS PLAN AND THE TECHNICAL SPECIFICATION PROVIDED WITH THE AUSNET SERVICES OFFER. NOTIFICATION TO AUSNET SERVICES REPRESENTATIVE SHALL BE GIVEN WHEN WORK IS COMPLETE FOR FINAL INSPECTION TO BE INITIATED. CABLE DETAILS MUST BE OBTAINED USING A VEDN APPROVED CONTRACTOR.
- EXISTING LIGHTING SHALL NOT BE RETIRED UNTIL NEW LIGHTING IS INSTALLED AND FULLY OPERATIONAL.
- "AS BUILT" DRAWINGS SHALL BE PREPARED BY AN AUSNET SERVICES APPROVED DETAILER/DRAFTSPERSON AND SUBMITTED TO AUSNET SERVICES AT LEAST 7 DAYS PRIOR TO THE TIE IN FOR FINAL APPROVAL.
- THE TIE IN SHALL BE CARRIED OUT BY THE ACCREDITED CONTRACTOR; AFTER A PRE-COMMISSION AUDIT PASS RESULT. FORMAL APPROVAL IS REQUIRED FROM AUSNET SERVICES LOCAL OPERATIONS GROUP TO ENERGISE THE INSTALLATION.
- NST TESTING SHALL BE CARRIED OUT ON PUBLIC LIGHTING CIRCUITS PRIOR TO ENERGISATION. (TYPICALLY DP11-02 AND VX5/2036).
- THE ACCREDITED CONTRACTOR SHALL INSTALL ALL THE ELECTRICAL PITS, CONDUITS AND CABLES FOR THE PUBLIC LIGHTING INSTALLATION TO THE SATISFACTION OF AUSNET SERVICES REPRESENTATIVE.
- LIGHT POLES SHALL BE INSTALLED 1.5m B.O.K. ON SIDE OF ROAD UNLESS OTHERWISE SPECIFIED.
- ALL FITTINGS SHALL BE IN ACCORDANCE WITH THE INSTALLATION SCHEDULE.
- DUE DILIGENCE CLAUSE: THE ACCREDITED CONSTRUCTION CONTRACTOR IS RESPONSIBLE FOR MAINTAINING STATUTORY CLEARANCES (NO GO ZONES) TO ALL AUTHORITIES' UNDERGROUND AND OVERHEAD SERVICES, AT ALL TIMES. THE CONTRACTOR IS RESPONSIBLE FOR KNOWING THE LOCATION OF ALL ASSETS (DIAL BEFORE YOU DIG) AND MUST ARRANGE ON-SITE INSPECTIONS WITH ALL AUTHORITIES PRIOR TO THE COMMENCEMENT OF WORKS.
- ALL LANTERNS (COMPLETE WITH PE CELL), POLES AND PITS SHALL BE AUSNET SERVICES APPROVED AND ARE TO COMPLY WITH VICTORIAN ELECTRICITY SUPPLY INDUSTRY SPECIFICATIONS AND REQUIREMENTS.
- ALL BRACKETS SHALL BE CURVED VESI STANDARD POWER AUTHORITY TYPE.
- CONDUITS SHALL BE HEAVY DUTY RIGID SOLID PVC TO AS 2053 (THE MINIMUM 1984 STANDARDS), COLOURED, ORANGE, SANDWICH, COREFLO OR CORRUGATED TYPES ARE NOT ACCEPTABLE.
- ORANGE MARKER TAPE IN ACCORDANCE WITH AS/NZS 2648.1 SHALL BE INSTALLED AT 100mm BELOW SURFACE LEVEL ±50mm OF ALL NON-BORED CONDUITS.
- ALL EQUIPMENT SUPPLIED SHALL BE NEW.
- LIGHT POLES SHALL BE INSTALLED WITH A MINIMUM CLEARANCE OF 4.5m OVER DRIVEWAYS, PRAM CROSSINGS AND DRAINAGE PITS.
- COUNCIL/VICROADS WILL BE RESPONSIBLE FOR THE PAYMENT OF TARIFFS.
- INSTALLATION OF PUBLIC LIGHTING IS AS SHOWN IN THE TABLE AND INSTALLATION OF CABLES IS AS SHOWN ON PUBLIC LIGHTING SCHEMATIC.
- WORKS UNDERNEATH ROADS OR WHICH FALL WITHIN THE DRIPLINE OF TREES SHALL NOT BE BORED.
- ALL EXCAVATIONS ARE TO BE REINSTATED TO ORIGINAL PRE-DISTURBED CONDITION IN ACCORDANCE WITH THE RELEVANT AUTHORITIES STANDARDS.
- GRASSED SECTIONS ARE TO BE REINSTATED WITH 100mm OF TOP SOIL AND RE-SEEDED.

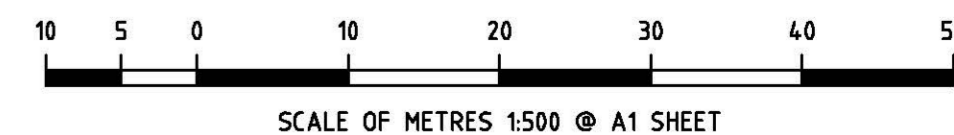
WARNING
 GAS, TELSTRA & DRAINAGE
 ASSETS IN AREA

LEGEND (O/H)

- 66kV/22kV/LV POLE
 - HV POLE
 - HV & LV POLE
 - LV POLE (PROV HV)
 - LV POLE
 - SINGLE POLE SUBSTATION
 - GROUND TYPE SUBSTATION
 - HV CABLEHEAD
 - LV CABLEHEAD
 - SWITCH AND/OR FUSE POLE
 - LV OPEN POINT / BREAK
 - HV OPEN POINT / BREAK
 - HV EARTH
 - JOINT USE POLE
 - REMOVE EXISTING POLE
 - SERVICE CABLE
 - COMMS PIT
 - GROUND STAY
 - REMOVE STAY
 - AERIAL STAY (ARROW COUNTING FORCES)
 - SUBSID CCT INSULATOR SIDE
 - PUBLIC LIGHT EXISTING, NEW
 - SERVICE PIT
 - LENGTH(m)/STRENGTH(kN)
 - (N),(E),(R),(F)
 - NEW, EXISTING, RETIRE / REMOVE, FUTURE
- LEGEND
- 150W LED LANTERN PROPOSED
 - 70W LED LANTERN PROPOSED
 - 33W LED LANTERN PROPOSED
 - 80W MV LANTERN EXISTING & PROPOSED ON 7m/1kN STEEL COLUMN (UOS)
 - 150W HPSV LANTERN EXISTING & PROPOSED
 - 250W HPSV LANTERN EXISTING & PROPOSED
 - 400W HPSV LANTERN EXISTING & PROPOSED
 - MV LANTERN EXISTING (WATTAGE SPECIFIED)
 - POLE, EXISTING & PROPOSED
 - EXISTING LV, HV & LV POLES
 - PREFABRICATED LIGHTING POLE
 - SERVICE PIT
 - VIC. ROADS PIT
 - UNDERGROUND PUBLIC LIGHTING CABLE IN 40mm OD CONDUIT
 - UNDERGROUND SERVICE IN 63mm OD CONDUIT
 - OVERHEAD SERVICE
 - F1 FUSED OVERHEAD LINE CONNECTOR BOX PHASE 1
 - F2 P/L TIMESWITCH
 - F3 FUSED OVERHEAD LINE CONNECTOR BOX PHASE 3
 - BKT BRACKET
 - INCL INCLINED
 - DBL DOUBLE
 - C CONCRETE POLE
 - STL STEEL POLE
 - MH MOUNTING HEIGHT
 - EXISTING
 - (E) EXISTING
 - (N) NEW
 - (R) REMOVE
 - JUP JOINT USE POLE
 - JUMA JOINT USE MAST ARM
 - UNLESS OTHERWISE SHOWN
 - WOOD
 - 42W CFL
 - 32W CFL
 - 2 x 14W T5
 - 2 x 24W T5
 - 100W HPS
 - SB SLIP BASE POLE
 - IA IMPACT ABSORBENT POLE



LIGHTING LAYOUT APPROVED BY DoT YES 21/02/2022



REFERENCE DRAWINGS	DESCRIPTION	DATE	BY	APP'D
VEB-0250990-001				
VEB-0247354-001				
VE15-0182023-000				
VE15-0183321-001				
01	FIRST OBJECTIVE (POWERPLANT) 75082072			

Project Manager: [Name]
 Project Manager Pk: [Name]
 ORIGINAL Scale: 1:500
 Legacy No: [Number]
 Drawing No: VE15-0341554-001 Rev 1.0

AusNet SERVICES
 VicRoads/Melway
 MELWAY 50 A12