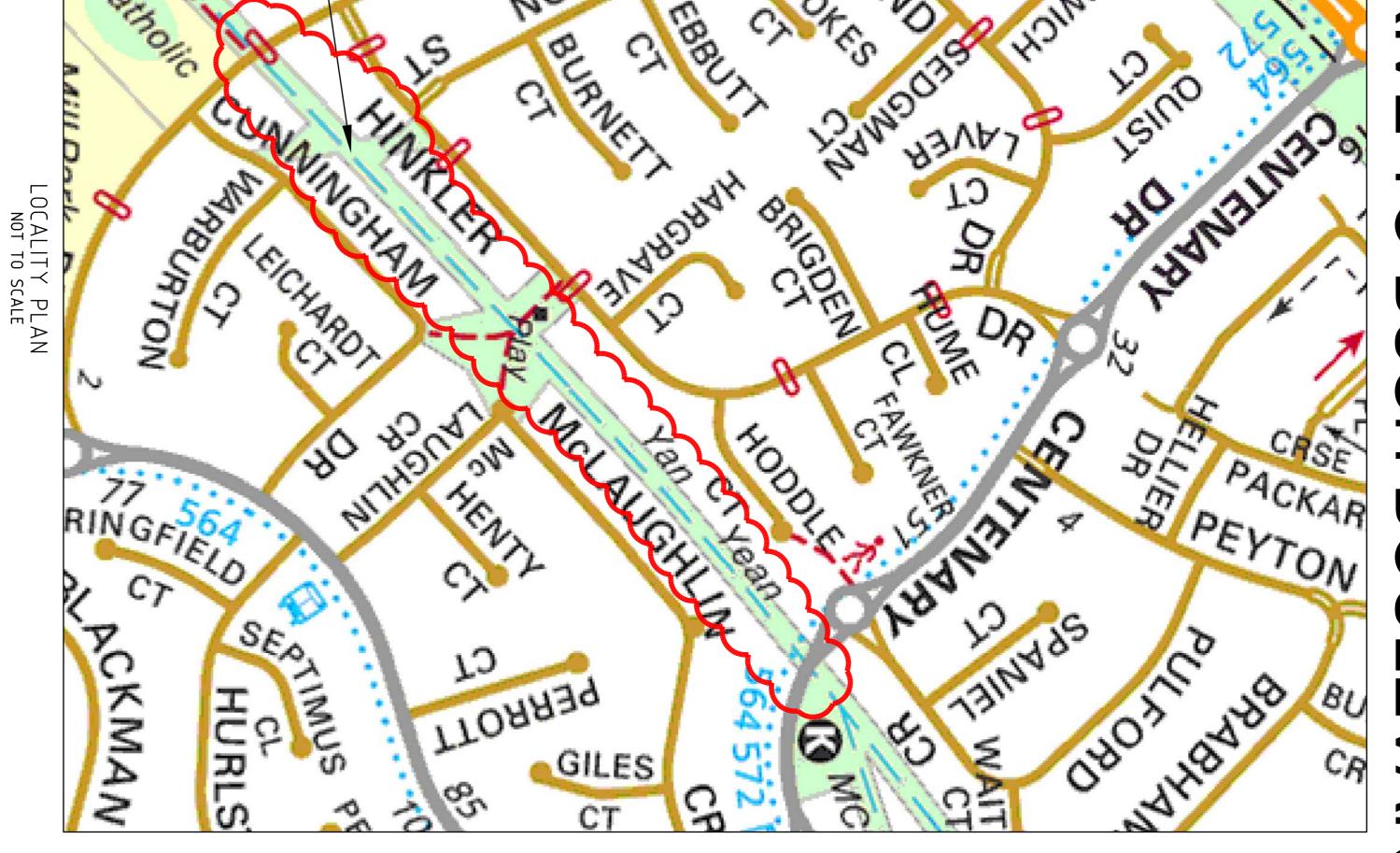
DATE AMENDMENTS		
REV DATE	ect Location	$\mathbb{C}$
AMENDMENTS	JOON LOO CFRARL LOON SO LINT TO BE	
CIVIL ROA         60 Thompson Str         Phone: (03) 9331         Email: rimrek@civilr         DESIGNED RI         DATE 25/3/2020         DRAWN RI         REV         DATE 25/3/2020	THOTHMAN HO HO ON THO ON THOMAN THOMA	R R R R R R R R
IVILROADSOLUTIONSP/LDThompson Street, Avondale Heights, 3034none: (03)9331 4683, Mob: 0402 231310mail: rimrek@civilroadsolutions.comABN 13 151 174 104signed RICHECKED TIE25/3/2020DATE 25/3/2020AWN RIAPPROVED RIE25/3/2020DATE 25/3/2020	LOCALITY PLAN NOT TO SCALE	VE TO B

## RACK, Π U L N L $\leq$ PARK EVARC い て し SHARED **С** Н . A G PA.



)	DRAWING INDEX
Drw. No.	DESCRIPTION
1	LOCALITY PLAN & DRAWING INDEX
2	GENERAL CONSTRUCTION , TREE SITE SPECIFIC AND LINEMARKING NOTES
ω	SHARED PATH, BOLLARD AND HANDRAIL DETAILS
4	RAISED PAVEMENT DETAILS
5	LINEMARKING AND SIGNAGE DETAILS
9	ALIGNMENT PLAN
Γ	ALIGNMENT PLAN
8	DETAIL PLAN
6	DETAIL PLAN
10	DETAIL PLAN
11	DETAIL PLAN
12	DETAIL PLAN
13	DETAIL PLAN
14	DETAIL PLAN
15	DETAIL PLAN
16	LONGITUDINAL SECTIONS
17	LONGITUDINAL SECTIONS
18	LONGITUDINAL SECTIONS
19	LONGITUDINAL SECTIONS
20	CROSS SECTIONS
21	CROSS SECTIONS
22	CROSS SECTIONS
23	CROSS SECTIONS
24	CROSS SECTIONS
25	SETOUT TABLES

YAN YEAN 1295P1

DATUM: A.H.D

NAME:

NAME

OCALITY

PROPOSED ALITY PLAN

8

DRAWING

INDEX

SHEET

-

Q

N U

SHARED

3E 5 PATH

SCALE 1:250 @A1

CAD

FILE:

NAME: DESIGN & DEL PEER CHECK

DATE: FEAM MEMBER

NAME: <u>APPROVED</u>: TRANSPORT

DES

SURVEYED BY: MOONLAND GROUP

MANA

PROPOSED SHARED PATH	CENTENARY DRIVE	YAN YEAN PIPE					UND SERVICES OWERLINES GEROUND SERVICES TE ONLY AND THEIR BE PROVEN ON SITE	BLES	FIONS	rions	TIONS	FIONS	TIONS
RED PATH	$\overline{0}$	°E TRACK	WHITTLESEA		CRS Revision	CRS Dwg.	HELE WELLENS						
SCALE 1:250 ©A1		Engineering Fi	A13297	RAWING NO.	No.	No. 1							
		File No.	7		2 d	1297							



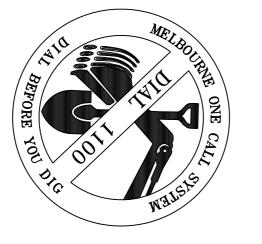
	<b>GENERAL TREE PROTE</b> THESE RECOMMENDATIONS ARE TO AN THE FOLLOWING ARE GUIDELINES THA ~NO FUEL, OIL DUMPS OR CHEMICALS VEHICLES SHOULD BE CARRIED OUT A ~NO STORAGE OF MATERIAL, EQUIPME ~SUPPLEMENTARY WATERING SHOUL ~ANY PRUNING THAT IS REQUIRED MU PRUNING METHODS AND CARRY OUT F CUTTING OR WITH A SHARP AXE AND BUCKET SHOULD BE ORIENTATED TO A TOWARDS THE TRUNK.	<b>GENERAL NOTES</b> 1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE SUPERINTENDENT NOMINATED REPRESENTATIVE. 2. THE LOCATION OF EXISTING SERVICES SHOULD B AUTHORITIES. ANY EXISTING SERVICES SHOULD B AUTHORITIES. ANY EXISTING SERVICES SHOWN IN 1 3. TBM'S ARE NAILS LOCATED IN FOOTPATHS AND CONTRACTORS RESPONSIBILITY TO INSTALL EXTR. 4. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN IN THE TRENCH IS REQUIRED. 5. ALL TRENCHING SHALL COMPLY WITH THE CODE DEPTH, A NOTICE IS TO BE SENT TO THE VICTORIAN 6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MA SIGNS ARE INSTALLED AND MAINTAINED WHERE NE 7. ALL ROAD CROSSINGS, VEHICLE CROSSINGS, FOO 8. AT THE COMPLETION OF THE CONSTRUCTION WO PAVEMENT, SIGNS, STREET FURNITURE etc. ARE TO 9. MINIMUM CONCRETE COMPRESSIVE STRENGTH: 32 10. EXCAVATED MATERIAL, INCLUDING PIPES, PITS CONTRACTOR. 11. THIS DRAWING IS NOT TO BE SCALED, USE WRIT 12. THE SITE SHALL BE CLEANED UP, ALL RUBBISH REPRESENTATIVE. ALL CONCRETE REINSTATEMENT 13. ALL TREES CANNOT BE REMOVED AND MUST BE
	ECTIC APPLY APPLY HAT MUS SHALI -S SHALI -S SHAL	<b>ES</b> ARRIED OUT IN ACCORDANCE WITH THE CIT INATED REPRESENTATIVE. (ISTING SERVICES SHOULD BE DETERMINED STING SERVICES SHOWN IN THE DRAWINGS (CATED IN FOOTPATHS AND ISLANDS. ALL CATED IN FOOTPATHS AND ISLANDS. ALL USBILITY TO INSTALL EXTRA TBM'S IF SO SOR'S RESPONSIBLE TO OBTAIN INFORMATION R ED. LL COMPLY WITH THE CODE OF PRACTICE F BE SENT TO THE VICTORIAN WORKCOVER OR'S RESPONSIBILITY TO MAINTAIN THE C AND MAINTAINED WHERE NECESSARY IN A S, VEHICLE CROSSINGS, FOOTPATHS AND OF THE CONSTRUCTION WORKS, ALL ARE COMPRESSIVE STRENGTH: 32 MPa AT 28 D COMPRESSIVE STRENGTH: 32 MPa AT 28 D COMPRESSIVE STRENGTH: 32 MPa AT 28 D CONCRETE REINSTATEMENT TO BE REINSTAT CONCRETE REINSTATEMENT TO BE CARRIE CONCRETE REINSTATEMENT TO BE CARRIE
	GUIDEL TREE PROTE TREE PROTE ALLOWED IN ALLOWED IN M THE ROOT M THE ROOT O THE AUST O THE AUST O THE AUST O THE AUST O THE AUST O THE AUST	WITH TH E DETERN FHE DRAV ISLANDS. A TBM'S I A TBM'S I VFORMATI VFORMATI TPATHS AND BE REIN AND BE REIN AND BE REIN TO BE REIN FREMOVED
	<b>NES</b> CTION BOTH DURING DEMOLI ED TO MINIMISE THE IMPACT OR STORED ON THE IMPACT ZONES. JILDING SHOULD TAKE PLACI JILDING SHOULD TAKE PLACI ALIAN STANDARD ANY DRY RALIAN STANDARD - AS 43 OR ANY MACHINERY OR BLU THE TRUNK RATHER THAN ,	Y OF WHITTLESEA BY THE CONTRACT ARE OFFERED AS TBM'S ARE OFFERED AS TBM'S ARE TO BE O REQUIRED. EGARDING GROUND EGARDING GROUND ONSTRUCTION ARE A CONSTRUCTION ARE A CONCRETE ARE TO E CONCRETE ARE TO E
CIVIL ROAD SO 60 Thompson Street, Avo Phone: (03) 9331 4683, M	E KERB AND CHANNEL AI ED CONSTRUCTION WORI AND THE SERVICING AN AND AFTER THE CONE OF , G OF AMENITY TREES. TION' TECHNIQUES, AND IF BACKHOE IS REQUIRING IF PLATE. THIS WILL AV	D SPECIFICATION AND ANY EXCAVATION E ACTOR PRIOR TO COM ACTOR PRIOR PRIOR TO COM THE WORKS AND TO DIRECTED BY THE SOLL / ROCK PRIOR THAT AND DIRECTED BY THE SI SOLL / ROCK PRIOR THAT AND R'S COST. ION TO THE SATISFA
SOLUTIONS P/L Avondale Heights, 3034 33, Mob: 0402 231310 Isolutions.com ABN 13 151 174 104 CHECKED TI	ND ANY OTHER STRUCTURE. KS ON THE EXISTING TREE. D RE-FUELLING OF EQUIPMENT AND PROCTION PROCESS. RUCTION PROCESS. PROOTS SHOULD BE SEVERED BY SAW ED TO EXCAVATE NEAR TREES THE OID TEARING THE ROOTS BACK UP	D TO THE SATISFACTION OF THE SY CONTACTING ALL SERVICE CORRECT. MENCEMENT OF WORKS. IT IS THE ASCERTAIN WHETHER SHORING OF ASCERTAIN WHETHER SHORING OF DEQUATE BARRIERS, LIGHTS AND DEQUATE BARRIERS, LIGHTS AND S, VEHICLE CROSSINGS, ROAD S, VEHICLE CROSSINGS, ROAD S, VEHICLE CROSSINGS, ROAD S, VEHICLE CROSSINGS, ROAD S, VEHICLE CROSSINGS, ROAD

ω

2.

20		020			Ocivilroadsolutio	9331 4683. Mob: 0402 231310	n Street. Avonc	CAD SO
DATE 25/3/2020	APPROVED RI	DATE 25/3/2020		CHECKED TI	Ocivilroadsolutions.com ABN 13 151 174 104	0402 231310	r Street. Avondale Heights. 3034	CAD SOLUTIONS P/L
	DATUM: A.H.D		YAN YEAN 1295P1		CAD FILE:		MOONLAND GROUP	SURVEYED BY:
NAME:			PEER CHECK	DESIGN & DELIVERY TEAM MEMBER	NAME:	•		PROJECT MANAGER
DATE:				TEAM MEMBER	DATE:			
NAME:			TRANSPORT	APPROVED: MANAG	NAME:			TEAM LEADER DESIGN & DELIVERY
DATE:				APPROVED: MANAGER CITY DESIGN &	DATE:			SIGN & DELIVERY
ଜ ଜ							Ó	





- ALL LINEMARKING MATERIALS TO BE IN ACCORDANCE WITH VICRO SECTION 724 LONGLIFE PAVEMENT MARKINGS NEW INSTALLATIO

<u>б</u>.

- - ALL NEW LINEMARKING SHALL BE SPOTTED OUT AND APPROVED

- ъ .

 $\frac{N}{2}$ 

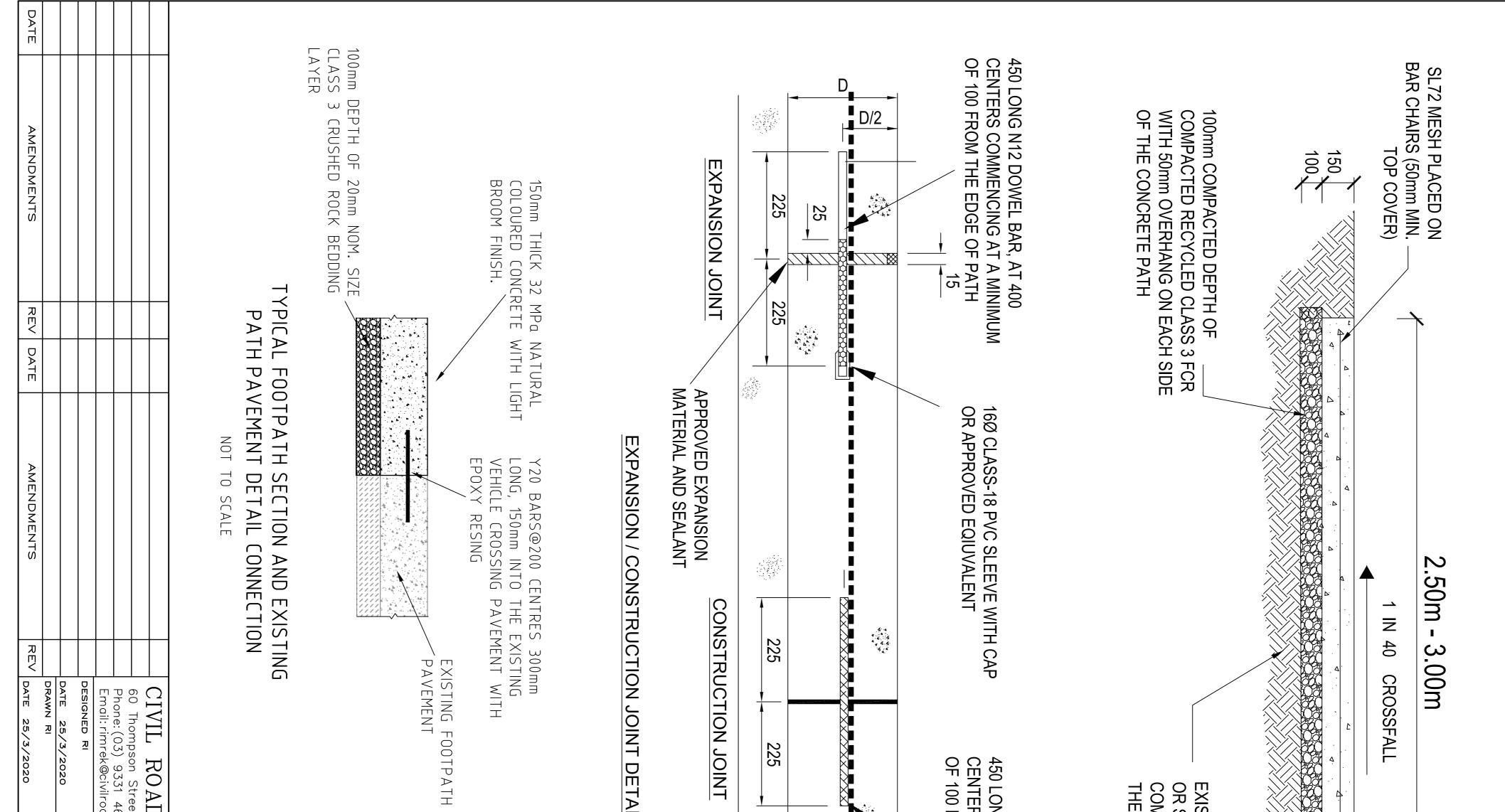
Ψ

- **.†**^

- ALL LINEMARKING TO BE CARRIED OUT BY A CONTRACTOR APPRO SUPERINTENDENT'S REPRESENTATIVE.

- ALL REDUNDANT LINEMARKING TO BE REMOVED BY MECHANICAL ( APPROVED BY COUNCIL'S SUPERINTENDENT'S REPRESENTATIVE)

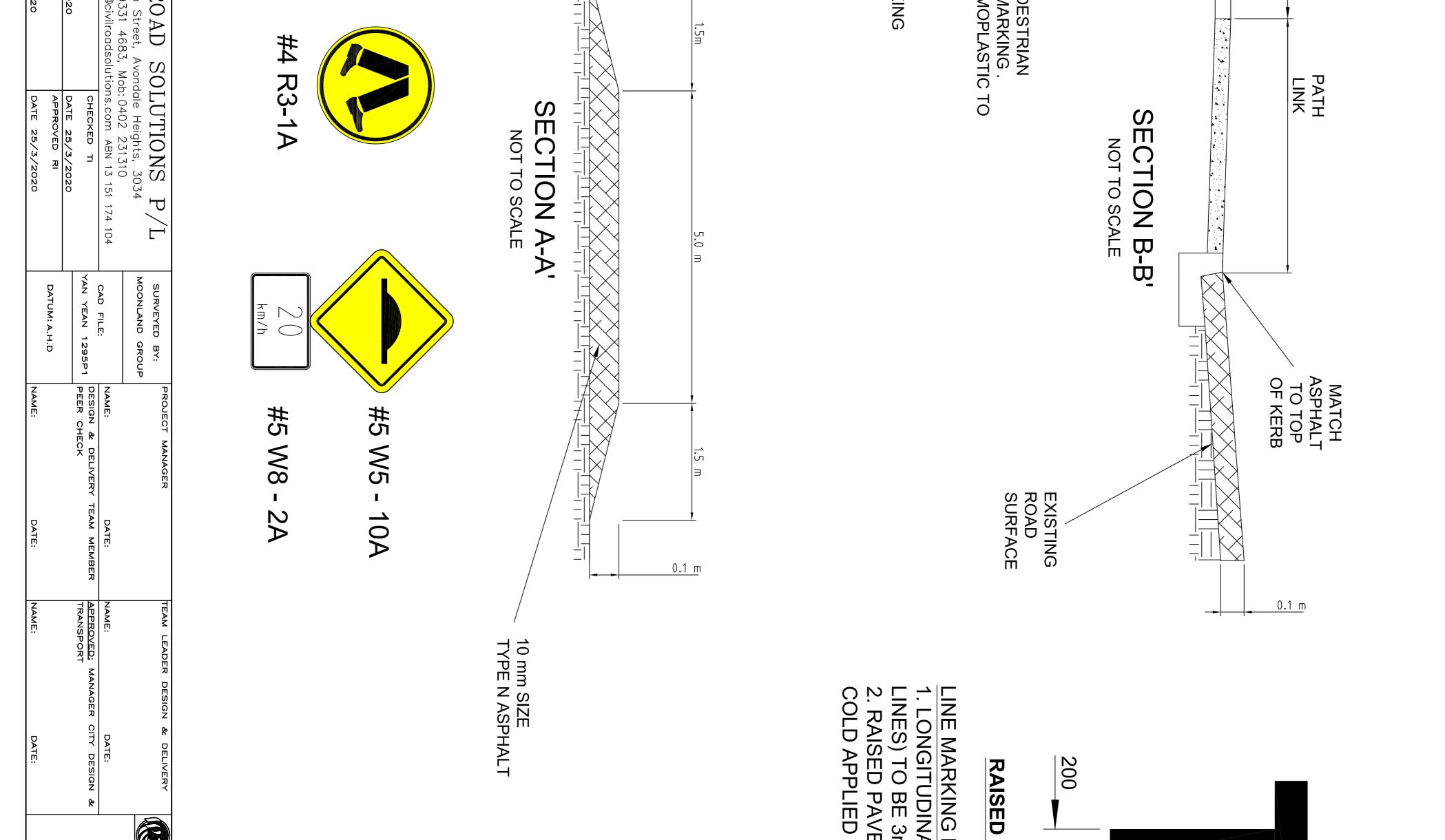
DATE:		DATE:	AGER	ABEFORE YOU INC. ODI INC. MELISIS	ALL LINEMARKING MA SECTION 724 LONGLIF	<b>SIGNAGE AND LINE</b> ALL SIGNAGE AND LINEMARKIN TRAFFIC CONTROL DEVICES- B UNLESS OTHERWISE SHOWN OI INSTALLED IN ACCORDANCE WI ALL LINEMARKING TO BE CARR SUPERINTENDENT'S REPRESEN ALL REDUNDANT LINEMARKING APPROVED BY COUNCIL'S SUP ALL NEW LINEMARKING SHALL	WHERE THE PATH ABL AND THE DISTURBED A MULCH.	SITE SPECIFIC NOTES SOIL TO BE USED AS REINSTATEME WEEDS AND FOREIGN MATTER AND WHERE PATH DEVIATES FROM EXIS REMOVED IN IT'S ENTIRETY AND RE ALL SURPLUS GRANITIC SAND WHE REMOVED AND REPLACED WITH A I	
NAME:	TRANSPORT	APPROVED: MANAGER	TEAM LEADER DESIGN		ALL LINEMARKING MATERIALS TO BE IN ACCORDANCE WITH VICROADS SECTION 724 LONGLIFE PAVEMENT MARKINGS - NEW INSTALLATIONS.		WHERE THE PATH ABUTS EXISTING GARDEN BEDS, SOIL SAND OR SIMILAR I AND THE DISTURBED AREA ADJACENT TO THE PATH TOPPED WITH A MINIM MULCH.	SITE SPECIFIC NOTES SOIL TO BE USED AS REINSTATEMENT SHALL BE HIGH QUALITY TOP SOIL (" WEEDS AND FOREIGN MATTER AND GRADED TO AVOID LOCALISED PONDING WHERE PATH DEVIATES FROM EXISTING GRANITIC SAND WALKING TRACK, ( REMOVED IN IT'S ENTIRETY AND REPLACED WITH TOPSOIL AND SEED. ALL SURPLUS GRANITIC SAND WHERE THE EXISTING PATH IS WIDER THAN REMOVED AND REPLACED WITH A MINIMUM DEPTH OF 75mm OF TOPSOIL AN	
DATE:		DATE:	& DELIVERY	BEWARE OF UNDERG AND OVERHEAD THE LOCATION OF UNDE SHOWN ARE APPROXIMA EXACT POSITION MUST	DANCE WITH VICRO, - NEW INSTALLATIC	<b>EMARKING NOTES</b> IG TO BE MANUFACTURED IN ACCORDA ICYCLE FACILITIES" (CURRENT EDITION) N THE PLANS, ALL SIGNS, RRPM'S AND TH VICROADS TRAFFIC ENGINEERING M IED OUT BY A CONTRACTOR APPROVE ITATIVE. ITO BE REMOVED BY MECHANICAL GRII ERINTENDENT'S REPRESENTATIVE) PR BE SPOTTED OUT AND APPROVED BY	)S, SOIL SAND OR S ATH TOPPED WITH	. HIGH QUALITY TOP AVOID LOCALISED P IC SAND WALKING T I TOPSOIL AND SEE I TOPSOIL AND SEE H OF 75mm OF TOP	
ENERAL AN	PROPOS	YAN V CENTENARY		ARE OF UNDERGROUND SERVIC AND OVERHEAD POWERLINES THE LOCATION OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION MUST BE PROVEN ON SITE	STANDARD	DANCE WITH AS1742.9 "MANU DN) ND LINEMARKING TO BE MANUAL VOLUME 2, "SIGNS VED BY COUNCIL'S RINDING (OR OTHER METHOD PRIOR TO INSTALLATION OF PRIOR TO INSTALLATION OF	MATERIAL UM OF 100	SOIL (TYPE B) F NDING. ACK, OLD TRAC THAN THE NEW DIL AND SEED.	
ND SITE SPI	ARK I	YEAN PIPE V DRIVE TO	, OF ≪HI	SERVICES AND THEIR N ON SITE	SPECIFICATIONS FOR ROAD	JAL OF UN AND MAF	MUST BE REMOVED )mm OF GARDEN	REE FROM STONES, K MUST BE	
ECIFIC NOTE	STAGE 5 RED PATH	TRACK BUSH BLV	TTLESEA	CRS CRS	WORKS AND				
TS SHEET 2 OF	SCALE 1:250	Engineering F		Dwg. No.       Revision No.	BRIDGEWORKS	TO INSTALLATION.			



DA	AD SOLU Street, Avondale 51 4683, Mob: 0- vilroadsolutions.o		TAIL - NOT TO SCAL	EXISTING SUBGRAD COMPACTED GRANU THE SUPERINTENDE
TE 25/3/2020	AD SOLUTIONS P/L Street, Avondale Heights, 3034 51 4683, Mob: 0402 231310 vilroadsolutions.com ABN 13 151 174 104 CHECKED TI DATE 25/3/2020 APPROVED RI	BO REFLECTIVE BAND OF RED NOTE 3 100 WIDE BAND OF WHITE REFLECTIVE TAPE. REFER NOTE 3 NATURAL	3 N12 DOWEL BAR, AT 400 S COMMENCING AT A MINIMUM ROM THE EDGE OF PATH	
NAME	SURVEYED BY: MOONLAND GROUP CAD FILE: YAN YEAN 1295P1 DATUM: A.H.D	SOIL SOIL		TO TEE NOU PSO NST
E: DATE:	FIXED BOLLARD DE	$\begin{array}{c} 400 \\ \hline 150 \\ \hline 450 \\ \hline 200 \\ \hline 200 \\ \hline 200 \\ \hline \end{array}$	TT	ATE GRASS EDGE WITH 75MM HTLY COMPACTED APPROVED IL & GRASS SEED THICK 32 MPa NATURAL RED CONCRETE WITH LIGHT FINISH. OUT & REPLACED WITH OUT & REPLACED WITH THE SATISFACTION OF
NAME: DA	DETAL		H BOLLARD TO BE CA 2 x 100 WIDE BAND OF REPLECTIVE TAPE. REFER NOTE 3 100 WIDE BAND OF WHITE REFLECTIVE TAPE. REFER NOTE 3	
ATE:	DELIVERY ATE: C	LOCKABLE BOLLARD 1. PARM 2. BOLL 2. BOLL 3. REFL 3. REFL REFL	NOTES: HOLD RAILS SOMM 0/D Y EXISTING SUF HOLD RAILS ALL REFLECT SECURELY IN HOLDRAILS A OF RED VE YE TE 3	

VAN YEAN PIPE TRACK VAN YEAN PIPE TRACK CENTENARY DRIVE TO BUSH BLVD, MILLPARK - STAGE 5 PROPOSED SHARED PATH PAVEMENT AND BOLLARD DETAILS SHEET	<u>D NOTES</u> RKS AND OPEN SPACE TO CONFIRM IF A LOCKABLE RKS AND OPEN SPACE TO CONFIRM IF A LOCKABLE STANDARD BOLLARD IS REQUIRED FOR CENTRAL ULARD ULARD TO BE GALVANISED STEEL TO BE POWDER NATED IN AS 2700-1996 "Y11 CANARY YELLOW". EHEAT TUBE BEFORE COATING. FLECTIVE TAPE TO BE CLASS 1A FLECTIVE TAPE TO BE CLASS 1A CRS Dwg. No. CRS Dwg. No.	400 400 400 400 450 100 450 100 1200 10	HOLD RAILS NOT TO SCALE S TO BE INSTALLED ARE TO AUSTRALIAN STANDARDS. D YELLOW POWDERCOATED TUBE TO BE INSERTED PARALLEL WITH SURFACE. UNLESS DIRECTED OTHERWISE. S TO INSTALLED IN 450min DEPTH X 300 WIDE CONCRETE FOOTINGS. ECTIVE TAPE/ DECALS TO BE CLASS 1 IN ACCORDANCE WITH AS1966.1 INSTALL MINIMUM 60mm DIAMETER RED REFLECTIVE DELINATORS TO S AS DETAILED.	
---	--	--	---	--

DATE			
AMENDMENTS REV DATE			HAZARD TGSI #4 #4 #4 #4 #4 #4 #4 #4 #4 #4
AMENDMENTS			Image: Second
REV DATE 25/3/2020	DATE 25/3/2020	CIVIL RO	600 mm WIDE PEDES CROSSING LINE MAR LONG LIFE THERMOI BE USED PIANO KEY LINE MARKING AS PER DETAIL



C m Z		о Р Г	
YAN YEAN PIPE TRACK       Engineering File No.         CENTENARY DRIVE TO BUSH BLVD,       MILLPARK - STAGE 5         MILLPARK - STAGE 5       Scale 1:250         PROPOSED SHARED PATH       Scale 1:250         DETAIL PLAN       SHEET 4 OF 25	CITY OF WHITTLESEA A13297	ASTIC.	200 500 500 500 500 500 500 500

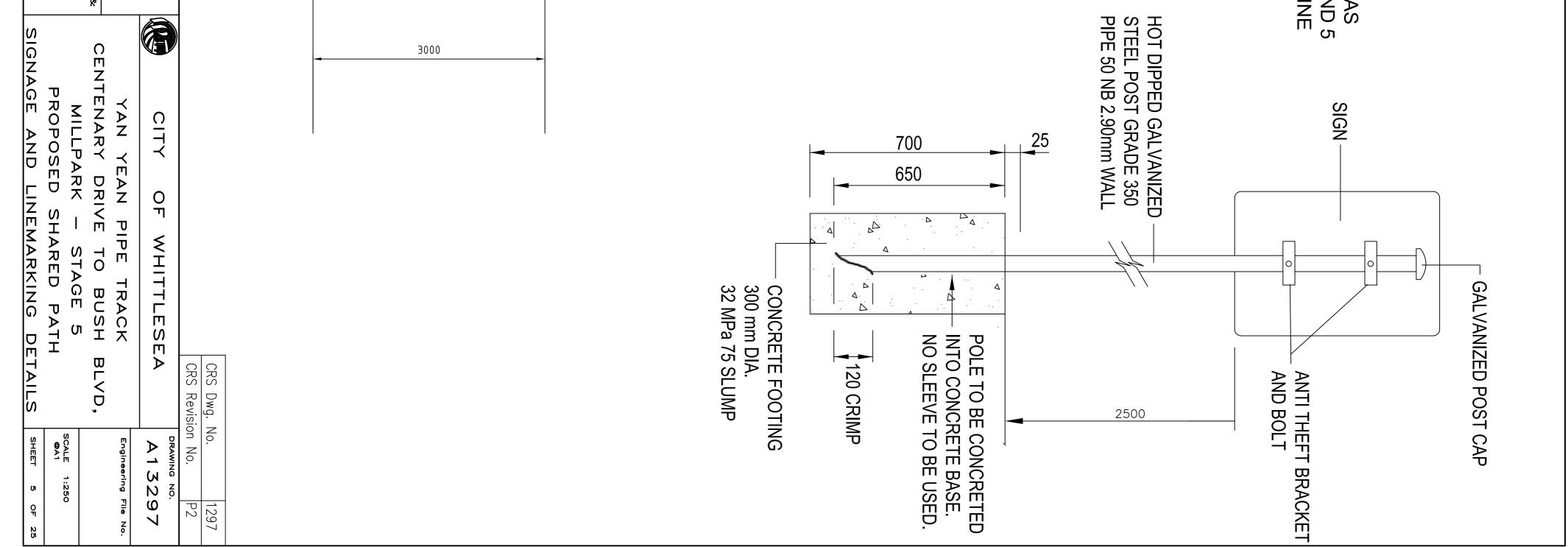
DATE AMENDMENTS				#
1ENTS				#1 R8-2A
REV				
DATE AMENDMENTS				SCHEDULE #3 W
DATE         25/3/2020           DRAWN RI         REV           REV         DATE         25/3/2020	IL Promp Primp Primp Primp	BICYCLE PEDESTRIAN AN AS1742.9 GROUPS SPACE ALONG ENTIRE LENGTH C		#3 W8-23A

AND ARROW PAVEMENT SYMBOLS TO CED AT NO MORE THAN 200m CENTRES       SHARED PATH LINE MARKING LAYOUT         I OF SHARED PATH.       SURVEYED BY:       Image: Control of		1 X 80mm WIDTH (3 METRE SPACINGS) WHITE SHARED PATH CENTRE LINE TO SPECIFICATION. A 80mm WIDTH UNBROKEN LINE IS TO BE INSTALLED ON CURVES WHERE SIGHT DISTANCE IS POOR, IN HIGH VOLUME LOCATIONS AND ON APPROACHES TO PATH/ PATH INTERSECTIONS.
---	--	--

V 1200  $\alpha \omega 4$ <del>. `</del> SIGNAGE NOTES: MARKING. AS 4792 HOT DIP GALVANISING. AS 1379 READY MIXED CONCRETE. SIGNS TO BE INSTALLED AS PER SD 810 THE FOLLOWING SPECIFICATIONS APPLY; AS 1743-1992 ROAD SIGN SPECIFICATION.AS 1742.1 (1991), AS 1742.2 (1994) AND AS 1742.5 (1997) AS 1742 MANUAL AND UNIFORM TRAFFIC CONTROL DEVICES PARTS 1, 2 AND 5 VICROADS-TRAFFIC ENGINEERING MANUAL VOLUME 2 SIGNAGE AND LINE

#2 R8-2A

#3 W6-9A

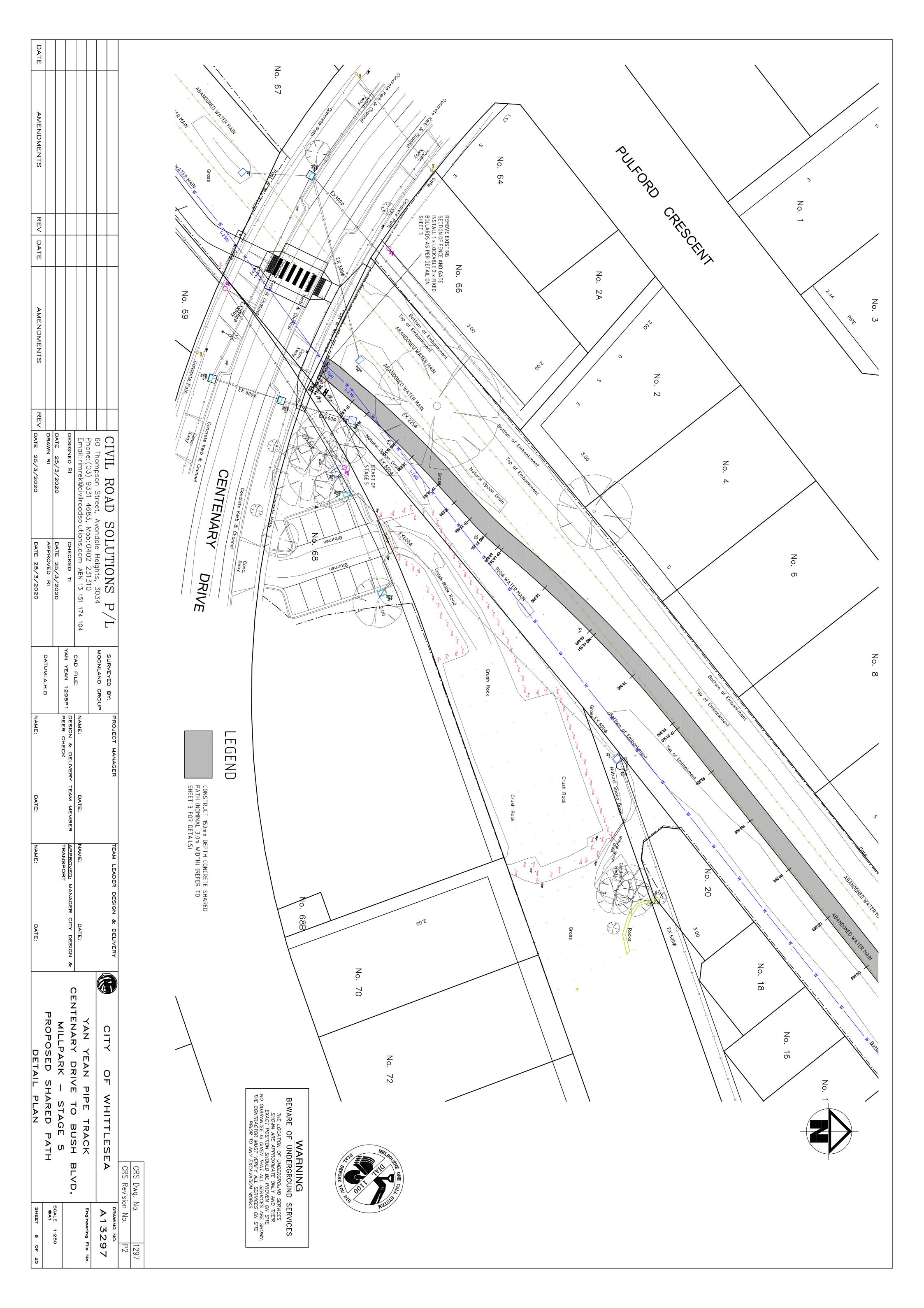


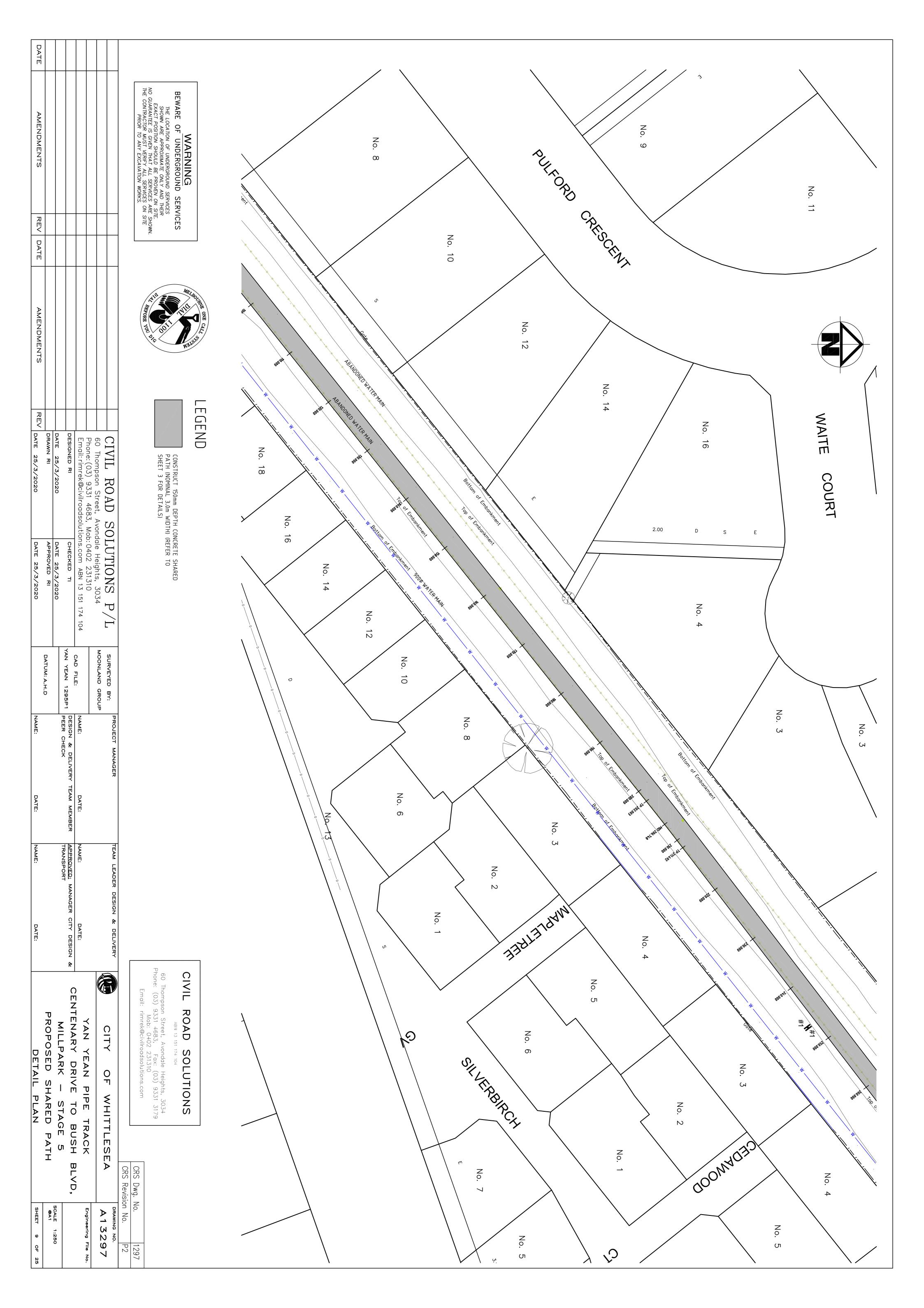
F

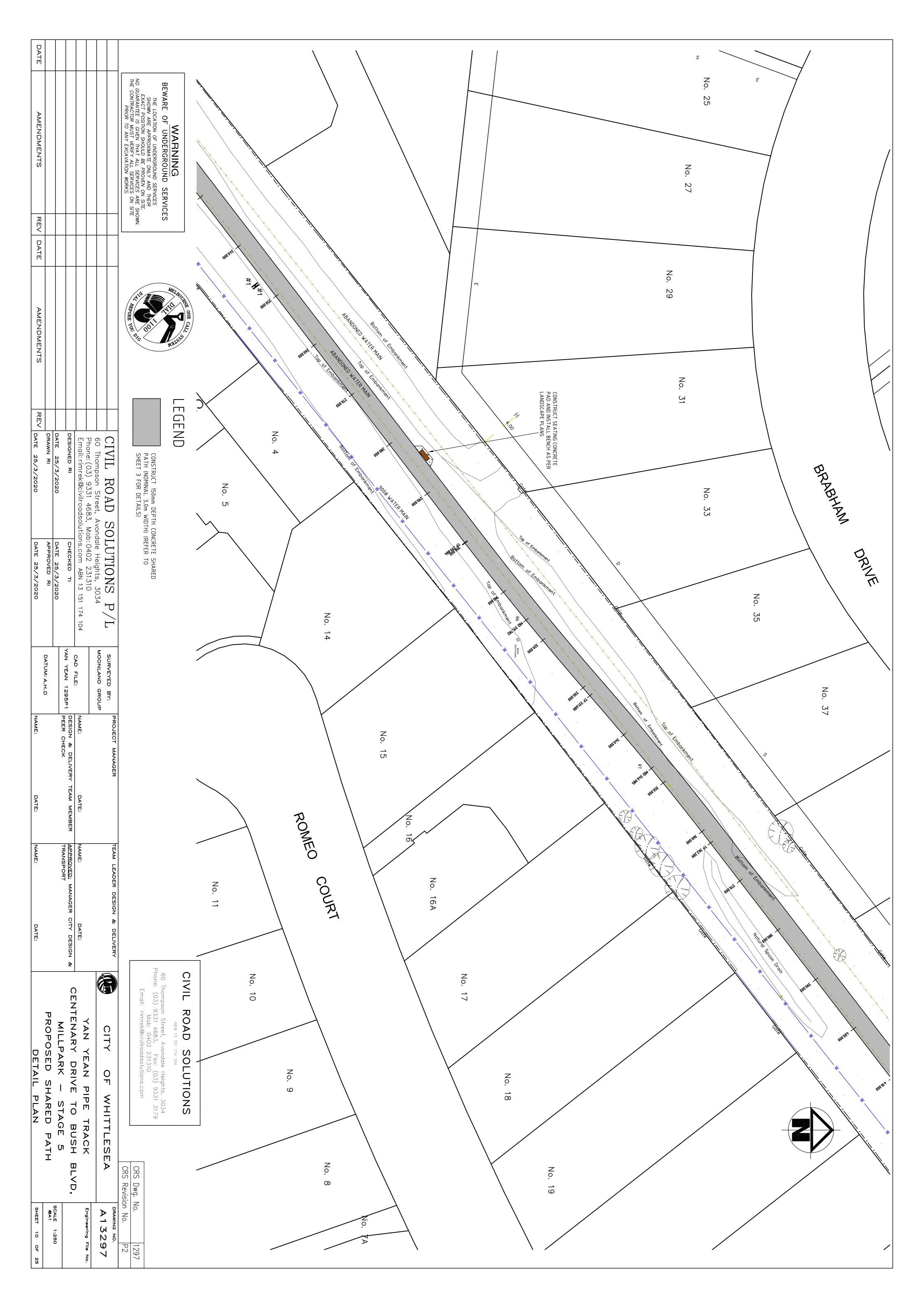


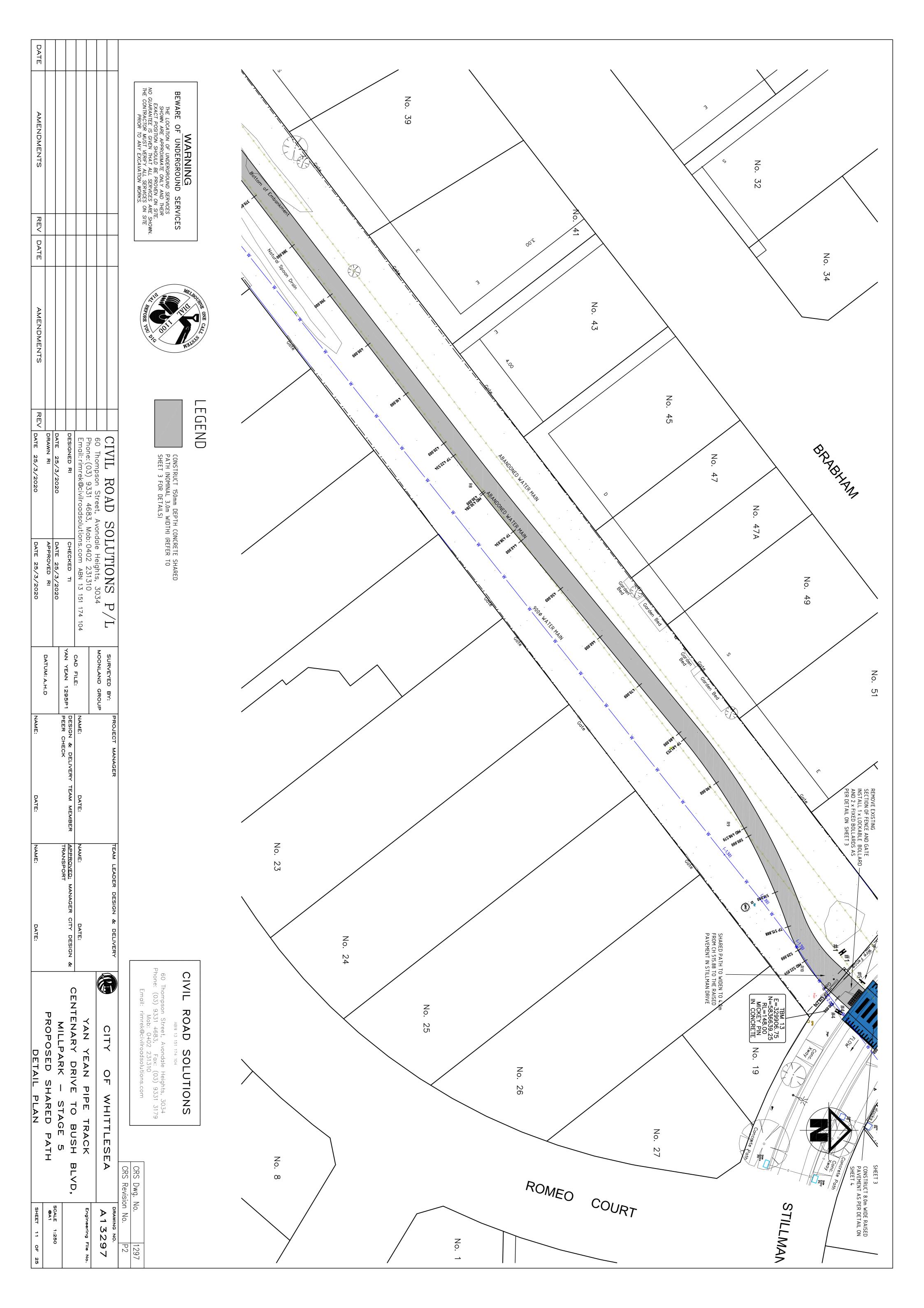
DATE	
AMENDMENTS	
REV DATE	
AMENDMENTS	
CIVIL RO /         60 Thompson Str         Phone: (03) 9331         Email: rimrek@civil         DESIGNED RI         DATE 25/3/2020         DRAWN RI         REV         DATE 25/3/2020	
/IL R0, hompson St e:(03) 9331 I:rimrek@civi I:rimrek@civi RI 25/3/2020 RI	

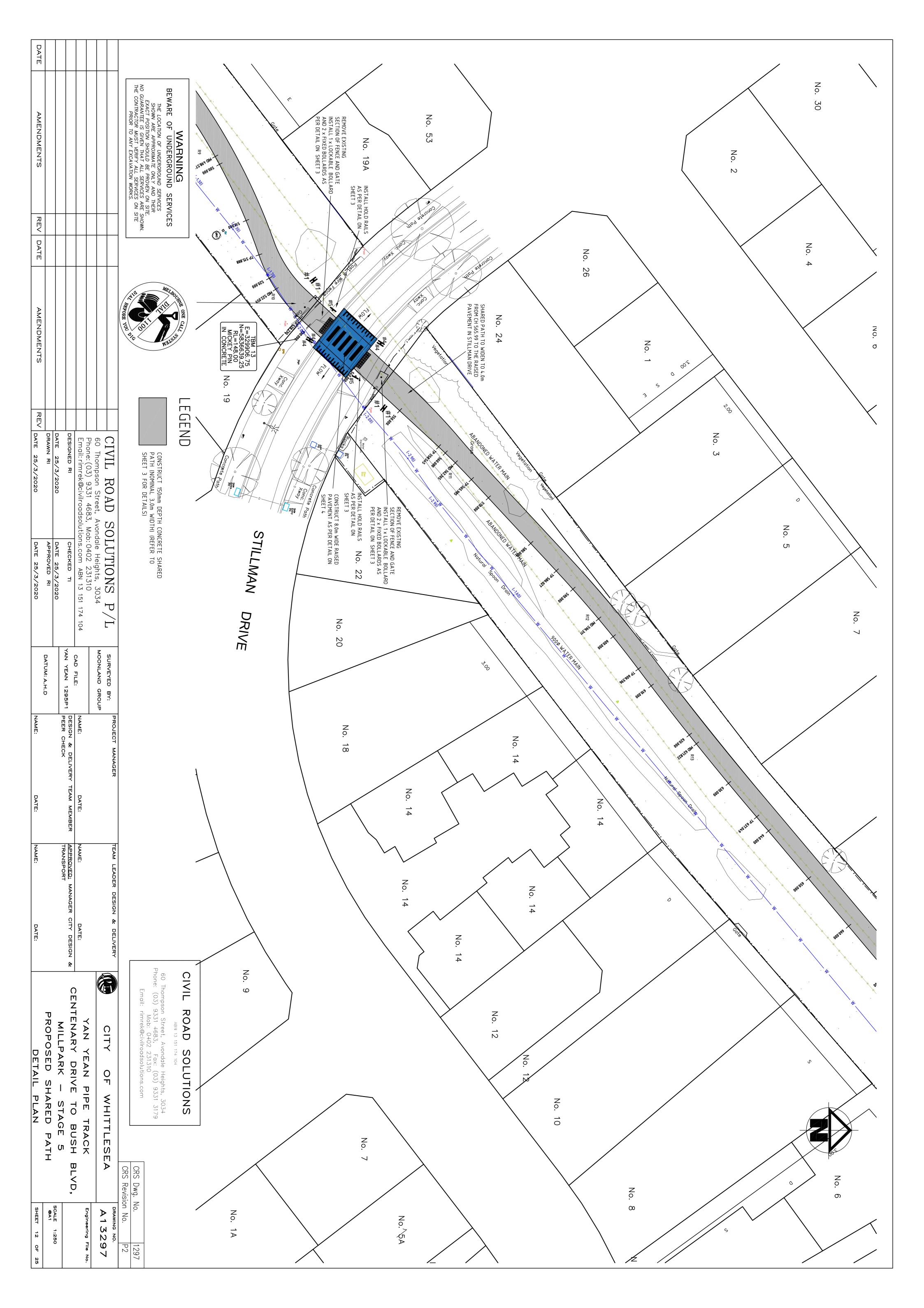


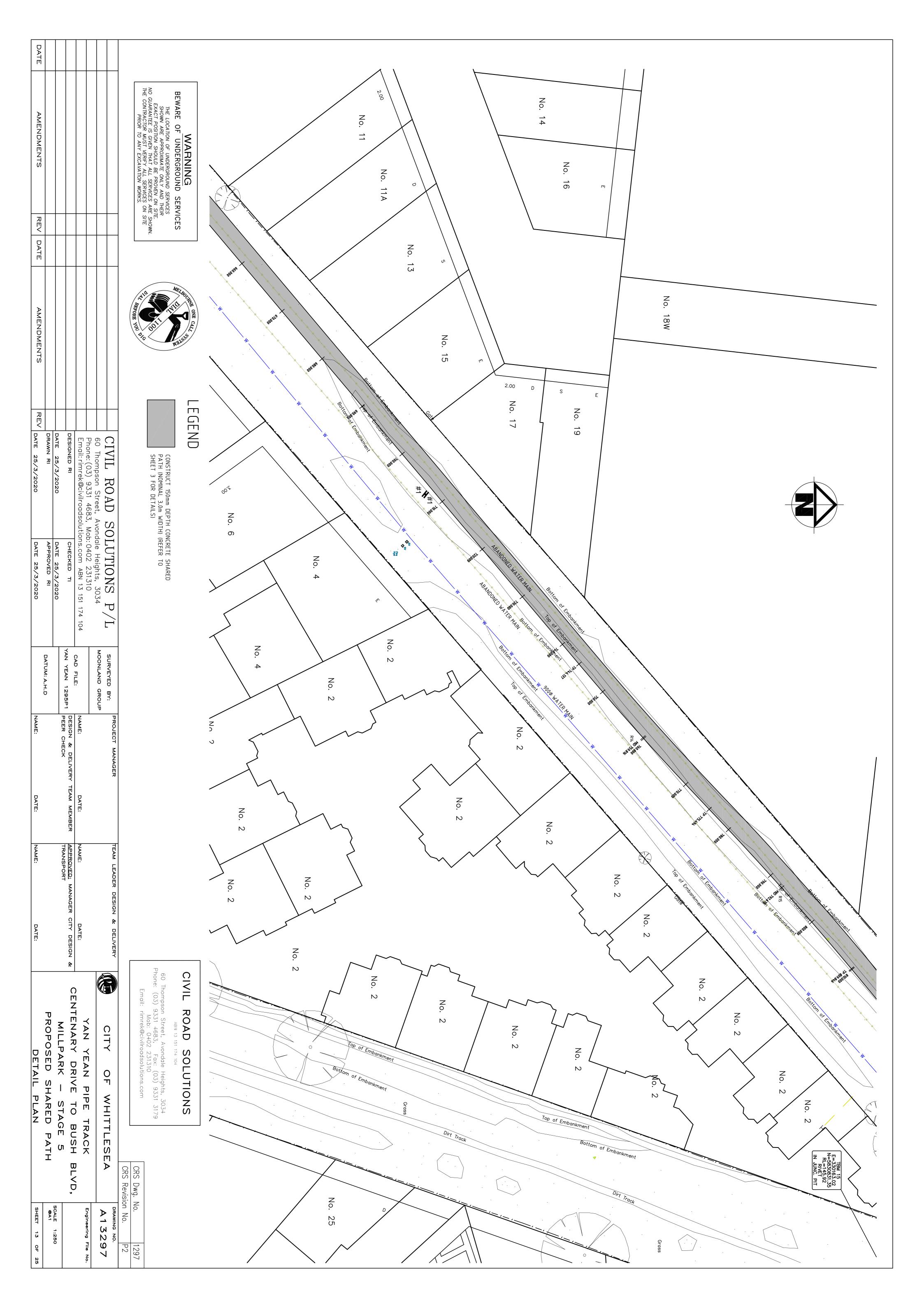


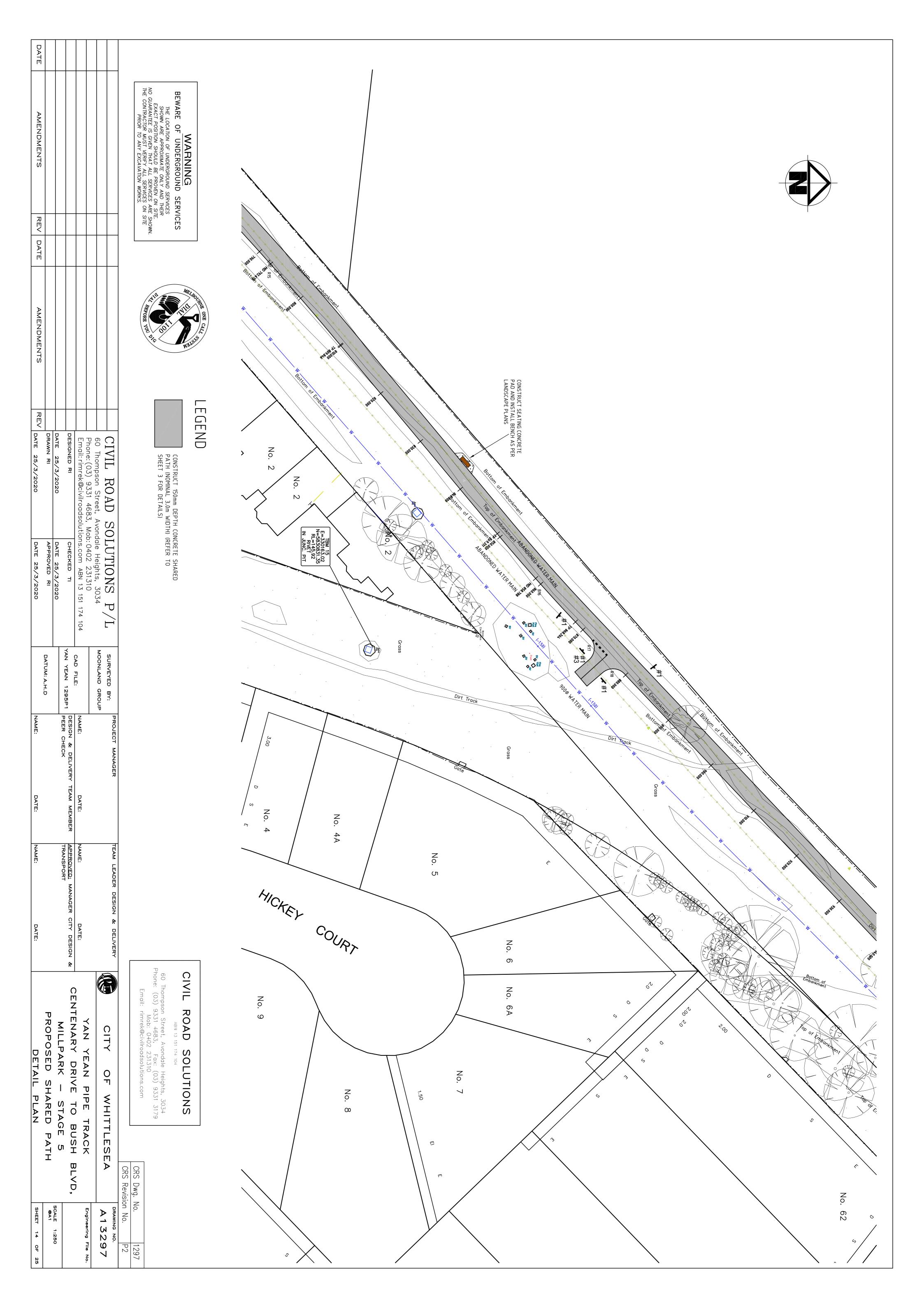




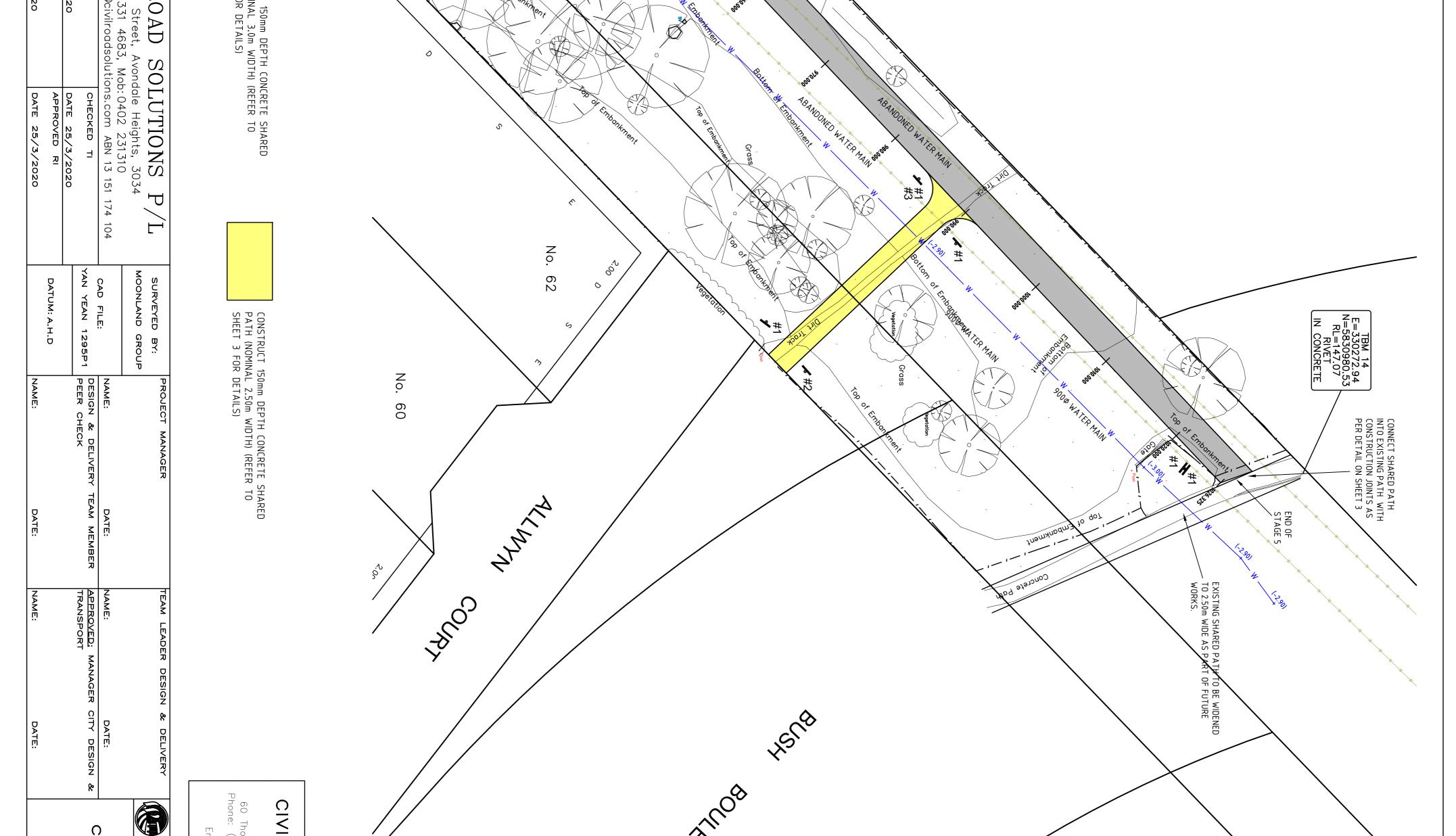








DATE		
AMENDMENTS	WARNING         BEWARE OF UNDERGROUND SERVICES         THE LOCATION OF UNDERGROUND SERVICES         SHOWN ARE APPROXIMATE ONLY AND THEIR         EXACT POSITION SHOULD BE PROVEN ON SITE.         NO GUARANTEE IS GIVEN THAT ALL SERVICES ARE SHOWN.         THE CONTRACTOR MUST VERIFY ALL SERVICES ON SITE         PRIOR TO ANY EXCAVATION WORKS.	
REV DATE	ERVICES MCES THEIR N SITE. ARE SHOWN. ON SITE	
	ALL MEIBOL	
AMENDMENTS	AFFORE YOU DIE OUT THE ONE CALL	
No.		
REV DATE 2	EGEND	Bottom of Embonisment o
CIVIL RO 60 Thompson St Phone: (03) 9331 Email: rimrek@civi DESIGNED RI DATE 25/3/2020 DRAWN RI DATE 25/3/2020	CONSTRUCT 150 PATH (NOMINAL SHEET 3 FOR D	



C Email:	0 de VATI	
IL ROAD S ABN 13 151 17 hompson Street, Avor (03) 9331 4683, Mob: 0402 2 Email: rimrek@civilroq YAN Y CENTENARY MILLP PROPOS	0 <sup>2</sup>	
IL ROAD SOLUTIONS         ABN 13 151 174 104         ABN 13 151 174 104         Hompson Street, Avondale Heights, 3034         (03) 9331 4683, Fax: (03) 9331 3179         Mob: 0402 231310         Email: rimrek@civilroadsolutions.com         VAN YEAN PIPE         CENTENARY DRIVE TO         MILLPARK - STA         PROPOSED SHAREI         DETAIL PLAN		
EDRIV ETALL		
I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I     I		
ROAD SOLUTIONS ABN 13 151 174 104 Soon Street, Avondale Heights, 3034 9331 4683, Fax: (03) 9331 3179 Mob: 0402 231310 I: rimrek@civilroadsolutions.com CITY OF WHITTLESEA VAN YEAN PIPE TRACK NTENARY DRIVE TO BUSH B MILLPARK - STAGE 5 PROPOSED SHARED PATH DETAIL PLAN		
H BLYD, BLYD,		
CRS Dwg. No. CRS Revision No. BLVD, Enginee SCALE ©A1		
SHEET		
1:25 NO		
of 25		

DATE		
	DESIGN RIGHT PATH EXIST RIGHT PATH Datum R.L. 125.00 ESIGN RIGHT PATH CHAINAGE Scale Horizontal 1:200	DESIGN RIGHT PATH Datum R.L. 125.00 CHAINAGE CHAINAGE
	Vertical         130.00         138.311         138.284           1100	0.00       136.817       136.817         0.39       136.798       136.802         0.49       136.802         0.94       136.789         136.789       136.780         1.49       136.760         136.70         5.00       136.55         5.00       136.55
	140.00         138.671         138.593	6.92 136.414 136.446 10.00 136.254 136.318 136.254 136.318 136.254 136.254
		15.00 136.21 IS.20 IS.200 I.P. 136.200
	150.00         138.919         138.902 <th< td=""><td>20.00     136.210     136.218       21.10     136.22     S</td></th<>	20.00     136.210     136.218       21.10     136.22     S
		26.10 136.231 136.238 Y SI.P. 136.250
Pho DRAW Pho DRAW	160.00         139.206         139.211	30.00       136.244       136.232         31.10       136.23         32.21       136.22         33.67       136.228         136.217       1
CIVILROADSOLUTIONS]60Thompson Street, Avondale Heights, 3034Phone: (03)93314683, Mob: 0402231310Email: rimrek@civilroadsolutions.comABN 13151DESIGNED RICHECKED TIDATE25/3/2020CHECKED TIDATE25/3/2020APPROVED RI	170.00 139.520 139.520 × I.P. 139.520	37.21     136.215     136.217     Image: Second s
ROAD S n Street, Av 9331 4683, I @civilroadsolu		42.21 136.25
OLUTIO ondale Height Mob: 0402 23 Itions.com AB	180.00         139.711         139.708	50.00 136.319 136.319 I.P. 136.319
'IONS P/ ights, 3034 231310 1 ABN 13 151 174 ED TI 25/3/2020		1.61%
	190.00         139.908         139.896	60.00       136.477       136.480         60.95       136.496       136.496         V       I.P. 136.496
SURVEYED BY: MOONLAND GROUP CAD FILE: YAN YEAN 1295P1 DATUM: A.H.D	195.00         139.99	195%
PROJECT MANAGE	200.00     140.084     140.101     Pil.P. 140.084       202.00     140.145     140.155       205.00     140.25     140.25	70.00 136.672 136.672 I.P. 136.672
DELIVERY TE	206.75     140.289     140.302       210.00     140.402	80.00 136.938 136.933
DATE:	211.49 140.456 140.456 X I.P. 140.456	81.14 136.972 136.963
TEAM LEADE NAME: APPROVED: TRANSPORT	220.00 140.744 140.759 56	90.00 137.214 137.193
TR DESIGN & DA		2.60%
DESIGN &	230.00 141.114 141.114 I.P. 141.114	100.00         137.512         137.454
0		

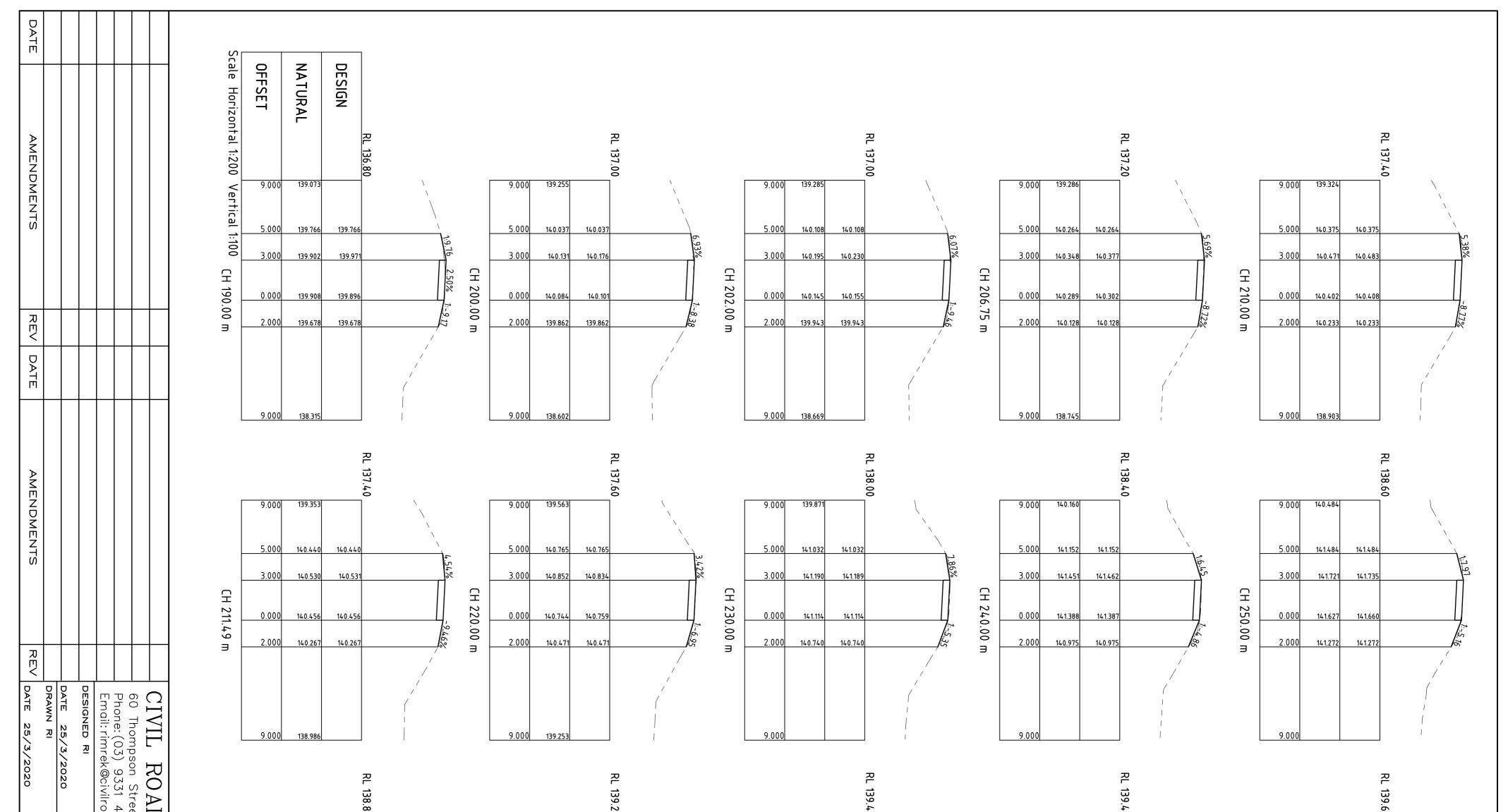
	C E Z															
1		ΥA			240.00	141.388	141.387				110.00	137.747	137.714			
•	NARY DRIVE	ź	СІТҮ													
(		m	0					2.73%								
	ייי <u>ר</u> – א		Р <b>Қ</b>		250.00	141.627	141.660				120.00	137.975	137.975	X	I.P. 137.975	
	TO BUSH I STAGE 5 ARED PATH SECTIONS	E TR	WHITT													
		: ▶	LESE											3.09%		
	U U U	!		CRS	260.00	141.897	141.933	*			130.00	138.311	138.284	¥		
	, , ,	; 		Dwg. N Revisio												
	SCALE OA1	Engineer		Dwg. No. Revision No.												
	1:250 16 OF	끝	Nö	129 P2												
	N G	ō	,													

DESIGN RIGHT PATH EXIST RIGHT PATH	*	Datum R.L. 135.00 DESIGN RIGHT PATH41.933	EXIST_RIGHT_PATH 897 14	RIGHT	CHAINAGE 00 Scale Horizontal 1:200 Vertical 1:100	DESIGN RIGHT PATH EXIST RIGHT PATH	Datum R.L. 135. 00 I.P. 147.030	HT PATH	CHAINAGE Scale Horizontal 1:200 Vertical 1:100		AMENDMENTS
2.73%	2.73%	<u>42.206</u>	<u>208 14</u>	142.20	270.00		-0.47%	7.005 146.982	400.00 1		
		42.34	14		275.00			146.96	405.00		
P. 142.479           S	<u>PI.P. 142.479</u>	<u>42.511</u>		142.47	280.00		<u></u> → → → → → → → → → →	6.961 146.946	<u>410.00</u> <u>415.00</u>		
		43.006	<u>851 14</u>	142.85	290.00			6.993 146.976 7.008 146.986			
		43.527 43.533	<u>425 14</u> 436 14	<u>143.42</u> 143.43	299.88 300.00		0.41%	7.000 147.017 6.999 147.018	430.28 1	60 Thompso Phone: (03) Email: rimrel	DRAWN RI
		44.060	.066 14	144.06	310.00		→ → → → → → → → → →	147.03           7.051         147.060           7.077         147.077		CIVILROADSOLUTIONS]60Thompson Street, Avondale Heights, 3034Phone: (03)93314683, Mob: 0402231310Email: rimrek@civilroadsolutions.comABN13151DESIGNED RICHECKEDTI	
5.27%	5.27%	44.365	.298 14	144.29	315.78			147.11	443.03	UTIONS Heights, 3034 402 231310 com ABN 13 151 HECKED TI	PROVED RI
		44.587	.480 14	144.48	320.00		1.18%	7.173 147.191	450.00 1	P/L 174 104	
			<u>.005 14</u> .106 14		<u>330.00</u> 331.68		I.P. 147.309	7.309 147.309	460.00 1	SURVEYED BY: MOONLAND GROUP CAD FILE: YAN YEAN 1295P1 PEEI	
		45.641	576 14	145.57	340.00			7.406 147.406	470.00 1	DJECT MANAGER ME: SIGN & DELIVERY TE	
					346.98		0.97%			DATE:	
L.P. 146.168	<u>I.P. 146.168</u>	46.168	<u>.168 14</u>	146.168	350.00			7.539 147.503 7.555 147.515		TEAM LEADER DE NAME: APPROVED: MANA	
3.0 77 %	3.07%		. <u>479 14</u> .504 14		<u>360.00</u> <u>362.29</u>		I.P. 147.600	7.612 147.600	490.00 1	SIGN & DELIVERY DATE: GER CITY DESIGN	
× <sup>20</sup> I.P. 146.781	¥ 2.P. 146.781	46.771	.781 14	146.78	<u>366.00</u> <u>370.00</u>			7.669 147.655 7.678 147.664		<sup>*</sup> C E Z H H H	0
2 2 2 2 2 2 2 2 2 2 2 2 2 2		46.86 46.89 46.969		146.98	374.00 375.00 380.00		0.64%	7.732 147.728	510.00 1	YEAN	000000
0 		47.01	14		385.00			.7.742 147.766 147.77	<u>515.89 1</u> <u>517.06</u>		
I.P. 147.030	↓ I.P. 147.030	47.030	.998 14	146.99	390.00		<u>, 147.806</u>	7.776 147.803 7.806 147.835	522.06 1		Ē
	0.40%	47.01	14		385.00		↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	7.742 147.766 147.77 7.776 147.803	515.89 1 517.06 520.00 1 520.00 1 522.06 1 522.06 1	OF WHITTLESEA EAN PIPE TRACK DRIVE TO BUSH BLY	ED SHARED

AME	Datum R.L. 135 DESIGN RIGHT PATH EXIST RIGHT PATH CHAINAGE Scale Horizontal 1:2	DESIGN RIGHT PATH EXIST RIGHT PATH	CHAINAGE Scale Horizontal 1	<u>ex</u> ist <u>rig</u> ht <u>pa</u> th	Datum R.L. 135 DESIGN RIGHT PATH	
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	PATH	528.23 530.00 532.69	 147.989 147.973	147.989 147.966	I.P. 147.989
	670.00 145.241 145.236		540.00	147.791	147.900	L.P. 147.900
	675.00 145.18			148.007		1.97% V I.P. 148.007
	680.00 145.130 145.149 EI.P. 145.130		550.00	147.912	147.940	
	685.00     145.15       690.00     145.237			147.803		-1.46%
	0.48%		562.27	147.776	147.761	
CIVIL 60 Thomp Phone: (0, Email: rim DESIGNED R DATE 25/3	700.00 145.257 145.225		567.50	147.707	147.67	I.P. 147.707
/IL ROAD Thompson Street, ne: (03) 9331 468 il: rimrek@civilroad VED RI 25/3/2020	705.00 145.25		572.50		147.47	
CIVIL ROAD SOLUTIONS P 60 Thompson Street, Avondale Heights, 3034 Phone: (03) 9331 4683, Mob: 0402 231310 Email: rimrek@civilroadsolutions.com ABN 13 151 17 DESIGNED RI DATE 25/3/2020 CHECKED TI DATE 25/3/2020 RI DRAWN RI DRAWN RI	710.00 145.242 145.262 FI.P. 145.273		<u>580.00</u> 581.03	147.101	<u>147.085</u> 147.03	- <u>5.19%</u>
<b>TIONS P</b> eights, 3034 2 231310 n ABN 13 151 17 KED TI KED TI 25/3/2020 DVED RI	715.00     145.25       720.00     145.232		586.03	146.773	146.786	후 <u>현</u> .P. 146.773
4 104			590.00 591.03 591.31	146.599	146.608 146.56 146.55	
SURVEYED BY: MOONLAND GROUP CAD FILE: YAN YEAN 1295P1	730.00 145.151 145.193		600.00	146.345	146.256	P. 146.345
PROLECT			<u>601.31</u> <u>606.60</u>	146.093	146.22	
r MANAGER & DELIVERY TE	740.00 145.199 145.153		610.00	145.987	146.010	-2.45%
DATE: MEMBER	744.14       145.148       145.136         745.00       145.13         750.00       145.113         145.128       145.113					
TEAM LEADER NAME: APPROVED: N TRANSPORT	750.00 145.113 145.128 Y PL. 145.113 755.00 145.15 V			145.765 145.749		I.P. 145.765
ANAGER CITY	759.82 145.144 145.190 760.00 145.144 145.192		630.00	145.672	145.659	
			637.05	145.572	1/5 58/	
	770.00     145.228     145.271       770.49     145.27			145.516		-1.06%
N YEA	775.49 145.314 145.287 Y PI.P. 145.314					
	780.00     145.374     145.252       780.49     145.25     V       785.00     145.18		650.00	145.406	145.447	
WHITTLESEA PE TRACK TO BUSH BL STAGE 5 ARED PATH	790.00 145.116 145.141		660.00	145.329	145.341	
CRS Dwg. No. CRS Revision No. PRAWII A A1 BLVD, Engine SCALE @A1	2 2 2 2					

	CHAINAGE Scale Horizontal 1:200 Vertic	EXIST <u>RIG</u> HT <u>PA</u> TH	DESIGN RIGHT PATH		DE%IGN RIGHT PATH	Scale Horizontal 1:200 Vertic	EXIST RIGHT PATH	Datum R.L. 135.00		
	cal 1:100 935.00		145.80	-0.56%		G 795.00 110 800.00	145.162			
	940.00	145.774	145.787	<u></u>			145.102			
	945.00		145.80	V		<u>809.85</u> 810.00	145.205 145.206	145.236		
	950.00	145.854	145.819	0.45%						
						820.00	145.257		0.61%	
	960.00	145.863	145.863	<u>I.P. 145.863</u>						
CIVIL RO 60 Thompson S Phone: (03) 933 Email: rimrek@civ DESIGNED RI DATE 25/3/2020 DRAWN RI	970.00	145.893	145.956			830.00	145.288	145.358		
ROAD son Street, . ) 9331 4683 ek@civilroads										
Signed RI       ROAD       SOLUTIONS       P         Signed RI       Signed RI       Avondale Heights, 3034         Signed RI       Signed RI       Signed RI       CHECKED TI         TE       25/3/2020       CHECKED RI       DATE       25/3/2020         NAWN RI       APPROVED RI       APPROVED RI       APPROVED RI	980.00	145.971	146.048	0.92%		840.00	145.456	145.419		
LUTIONS P Die Heights, 3034 :0402 231310 IS.com ABN 13 151 17 CHECKED TI DATE 25/3/2020 APPROVED RI						<u>849.31</u> 850.00	145.475 145.483	145.475 145.485	/ I.P. 145.475	_
/L /4 104	990.00	146.120	146.141							
SURVEYED BY MOONLAND GR CAD FILE: YAN YEAN 129							145.634 145.657		1.47 <b>%</b>	_
BY: GROUP I295P1 NAME: DESIGN & DE PEER CHECK	1000.00			I.P. 146.233						
OT MANAGER	<u>1005.00</u> 1010.00		146.34	v v v ⊆ I.P. 146.437			145.756		/ I.P. 145.780	
DATE: TEAM MEMBE	1015.00		146.75							
TEAM LEADE	1020.00	147.184	147.070	6.32%		880.00	145.980	145.918	1.38%	
EADER DESIG	1026.33	147.469	147.469	√ I.P. 147.469		885.00		145.99		
V & DELIVER						<u>890.00</u> 895.00	146.056	146.032	V PI.P. 146.056	
						900.00	145.987	146.000		
CENTENARY PROPOS										
YEAN OF OSED						910.00	146.025	145.943	-0.56%	
PATH						920.00	145.835	145.887		
CRS Dwg. No. CRS Revision No. A A 1 BLVD, Engine Scale										

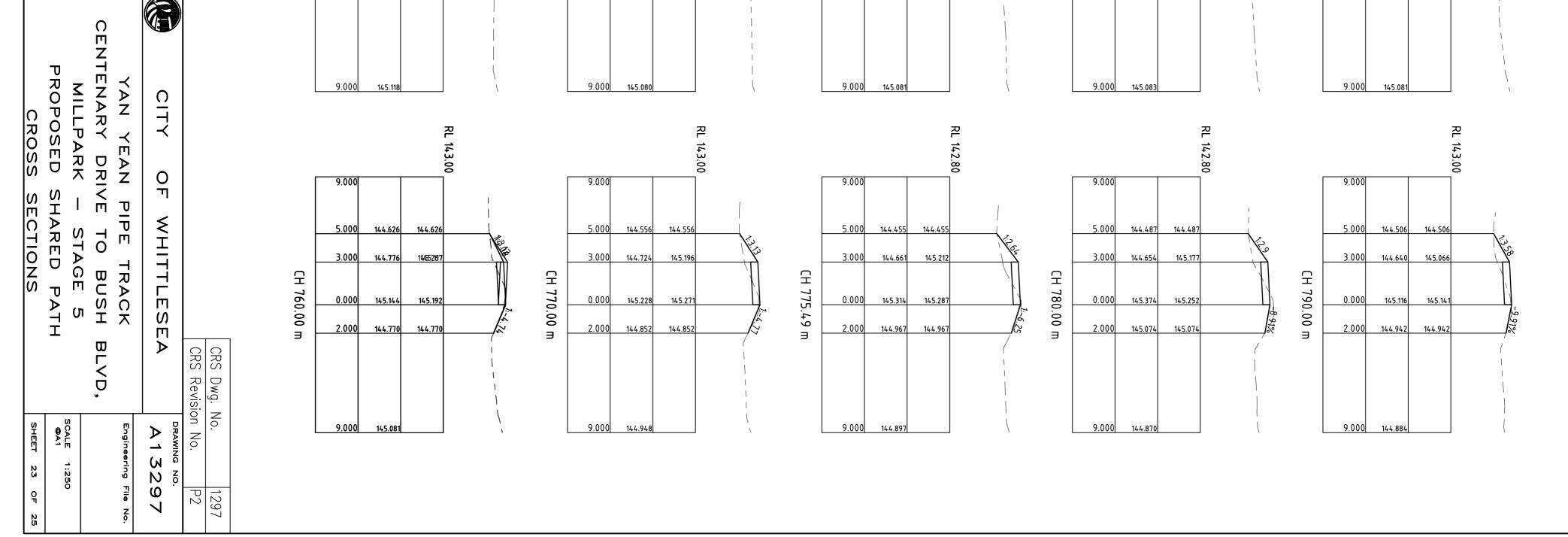
DATE AMENDMENTS REV DATE DATE	Scale Horizontal 1:200         NATURAL         RL 134.80           0FFSET         9.000         136.549         136.742           0.000         136.817         136.817         136.817           0.000         136.817         136.817         136.817           0.000         136.817         136.817         136.817           0.000         136.817         136.817         136.817           0.000         136.817         136.845         136.845           0.000         136.817         136.845         136.845	. 13 34. 8	H = 134.800 $H = 134.500$
CIVIL         60 Thomps         60 Thomps         Phone: (03)         Email: rimre         DESIGNED RI         DATE 25/3/         DRAWN RI         AMENDMENTS         REV         DATE 25/3/	P100 P136.316 9,000 136.316 5,000 135.879 135.879 3,000 136.311 136.243 0,000 136.254 136.318 2,000 135.770 135.770	12 13 4.2	PL 132, 60 134, 40 9,000 136, 378 7,000 136, 378 136, 343 136, 135 136, 155 136, 156 136, 156 14
ROADSOLUTIONSP/LstpsonStreet, Avondale Heights, 3034ModMod3)93314683, Mob:0402231310Modnrek@civilroadsolutions.comABN13151174104cz3/2020CHECKEDTIModAPPROVEDRIMod3/2020DATE25/3/2020DATE25/3/2020DATE25/3/2020	CH 33.000 136.339 136.339 3.000 136.227 136.292 0.000 136.228 136.217 0.000 136.225 136.225 9.000 136.225 136.225	FP 19.46 9.000 136.352 7.000 136.320 136.330 3.000 136.220 136.292 3.000 136.227 136.327 3.000 136.227 136.327 3.000 136.227 136.304 0.000 136.226 136.229 2.000 136.218 136.218 9.000 136.226 136.229 2.000 136.226 136.229 9.000 136.226 136.229 9.000 136.226 136.229 9.000 136.226 136.229 9.000 136.226 136.229	$ \begin{array}{c} \mathbf{P} \\ 134.40 \\ 0$
URVEYED BY: DONLAND GROUP AD FILE: NAME: N	CHOOD 9.000 136.454 5.000 136.569 136.569 3.000 136.531 136.555 0.000 136.477 136.480 2.000 136.408 136.408	CH 60.95 m 9.000 136.422 3.000 136.592 136.592 3.000 136.592 136.592 3.000 136.592 136.592 3.000 136.592 136.592 3.000 136.672 136.672 3.000 136.672 136.672 136.423 136.424 136.425 136.425 136.425 136.425 136.425 136.425 1	$ \begin{array}{c} P_{132,80} \\ & & & \\ & & $
TEAM LEADER DESIGN & DELIVERY	CH 90.000 136.582 9.000 137.201 137.201 3.000 137.275 137.268 0.000 137.214 137.193 2.000 137.151 137.151 9.000 136.499	PI 124.80 9.000 136.815 5.000 137.432 137.432 3.000 137.512 137.529 3.000 137.512 137.454 0.000 137.512 137.454 0.000 137.747 137.714 2.000 137.554 137.554 9.000 137.554 137.554 9.000 137.554 137.554	PI 135.00 9.000 137.202 9.000 137.202 5.000 137.986 137.986 3.000 138.016 138.050 3.000 138.016 138.050 9.000 137.464 5.000 138.289 138.289 3.000 138.330 138.359 4.000 3.000 138.31 138.284 0.000 138.31 138.284 0.000 138.11 138.284 0.000 138.136 138.156 0.000 138.11 138.284 0.000 138.11 138.196 0.000 138.11 138.19
CITY OF WHITTLESEA YAN YEAN PIPE TRACK ENARY DRIVE TO BUSH BLVD, MILLPARK – STAGE 5 ROPOSED SHARED PATH CROSS SECTIONS	CPS Dwg. N		RI 136.20 P.000 138.457 9.000 138.457 5.000 139.323 13



DAD     SOLUTIONS     P/L     st       Street, Avondale Heights, 3034     3034     Mod       31 4683, Mob:0402 231310     Mod       ivilroadsolutions.com     ABN 13 151 174 104     Mod       CHECKED     TI     CHECKED     TI       DATE     25/3/2020     DATE     25/3/2020	CH 260.00 m	<u>3.000</u> 141.950 0.000 141.897	142.008	1:=5	CH 27000 14	139 20 1.215 1.215 1.2255 1.42.281 2.208 1.42.206 1.1.777 1.41.777 1.41.777	6.02%	CH 280.00 m	<u>3.000</u> 142.591 0.000 142.479	142.490 142.586		CH 290.00 m	9.000       142.489         5.000       142.982         3.000       143.017         0.000       142.851         2.000       142.503         9.000       142.503	143.081 143.006		CH 299.88 m	0.000 143.425	143.602	1.50%
JRVEYED BY: ONLAND GROUP NAME: DATE: YEAN 1295P1 YEAN 1295P1 NAME: DELIVERY TEAM MEMBER PEER CHECK NAME: DATE: NAME: DATE:	CH 300.00 m	9.000 143.700 5.000 143.642 3.000 143.636 0.000 143.436 2.000 143.038 9.000	143.608 143.533		GH 31000 14	4.713 4.773 4.170 144.170 4.121 144.135 4.066 144.060 3.729 143.729	100-11 100-11	CH 315.78 m	<u>3.000</u> 144.365 0.000 144.298	144.379 144.440	3.01%	CH 320.00 m	9.000 145.287 5.000 144.696 3.000 144.554 0.000 144.480 2.000 144.258 9.000	144.696 144.662 144.587		CH 330.00 m	0.000 145.005	145.189	<u>9.69%</u>
TEAM LEADER DESIGN & DELIVERY NAME: DATE: APPROVED: MANAGER CITY DESIGN & TRANSPORT NAME: DATE:	CH 331.68 m	9.000 146.108 5.000 145.523 3.000 145.265 0.000 145.106 2.000 145.025	145.277 145.202	-8888	G <u>3.000</u> 14 G <u>0.000</u> 14	6.487 6.487 6.173 146.173 5.790 145.716 5.576 145.641 5.506 145.506		CH 346.98	<u>3.000</u> 146.148 0.000 145.991	146.581		CH 350.00 m	9.000 146.776 5.000 146.651 3.000 146.231 0.000 146.168 2.000 146.110	146.651 146.243		CH 360.00 m	9.000 146.982 5.000 146.802 3.000 146.542 0.000 146.479 2.000 146.458	146.802 146.549 146.474	
	CH 362.29 m CRS Dwg. No CRS Revision	9.000 9.000 147.068 5.000 146.875 3.000 146.597 0.000 146.504 2.000 146.473	146.619 146.544	-3.555	5.000 14 3.000 14 3.000 14 0.000 14	RE 145.00 7.148 7.033 147.033 6.820 146.846 .6.781 146.771 6.747 146.747	<u>936%</u> 1.22%	CH 380.00	<u>3.000</u> 146.988 0.000 146.981	147.074 147.044	1.52% 0.39%	CH 390.00 m	9.000       146.017         9.000       147.156         5.000       147.130         3.000       147.018         0.000       146.998         2.000       146.993	147.130 147.105 147.030	<u>127%</u> -1.83%	CH 400.00 m	9.000 146.521 9.000 147.231 5.000 147.075 3.000 147.025 0.000 147.005 2.000 147.027	147.057	0.86% 2.21%
DRAWING NO. A 1 3 2 9 7 Engineering File No. SCALE 1:250 @A1 SHEET 21 OF 25	. No. 1297 sion No. P2	9.000 146.671			9.000 14	6.847			9.000 146.900				9.000 146.811				9.000 146.827		

DATE AMENDMENTS REV DATE	Scale Horizontal 1:200         NATURAL         NATURAL         052%         250%         02%           0000         147.031         147.031         052%         250%         02%           0000         147.014         147.021         0.000         0.000         0.000         0.000           0.000         146.961         146.946         0.000	CH 420.00 m 9.000 146.999 7.000 147.003 147.003 3.000 147.016 147.051 0.000 146.993 146.976 4.000 146.946 146.946	CH 422.53 m	CH 20:00 146.902 7.000 146.902 7.000 146.988 146.988 3.000 147.022 147.092 0.000 147.000 147.017 4.000 146.962 146.962	CH 430.28 m 9.000 146.994 146.985 146.985 200 3.000 147.021 147.093 200 0.000 146.999 147.018 146.961
AMENDMENTS REV DATE 25/3/20	9.000       146.923         7.000       147.011         9.000       146.998         147.135       0.000         0.000       147.051         0.000       147.051         147.060       0.000         9.000       146.821	PI 100 m 9.000 146.940 7.000 147.033 147.033 3.000 147.001 147.152 0.000 147.077 147.077 4.000 147.059 147.059	PI 15:00 9.000 147.072 7.000 147.162 147.162 3.000 147.162 147.266 0.000 147.173 147.191 4.000 147.1745 147.145 4.000 146.794	PI 45.00 9.000 147.223 147.222 7.000 147.222 147.222 3.000 147.297 147.384 0.000 147.309 147.309 4.000 147.241 147.241 9.000 146.895	CH 1000 147.444 7.000 147.444 7.000 147.407 147.407 3.000 147.404 147.481 0.000 147.406 147.406 4.000 147.350 147.350 4.000 147.160
ROAD SOLUTIONS P/L       sc         pson Street, Avondale Heights, 3034       3034       Mod         3) 9331 4683, Mob:0402 231310       mod       mod         rek@civilroadsolutions.com ABN 13 151 174 104       mod       mod         s/2020       CHECKED TI       Mod       mod         s/2020       DATE 25/3/2020       PATE 25/3/2020       PATE 25/3/2020       PATE 25/3/2020	PE 160 9.000 147.590 7.000 147.552 147.552 3.000 147.547 147.578 0.000 147.539 147.503 4.000 147.499 147.499 9.000 147.254	CH 481.25 m 9.000 147.585 7.000 147.564 147.564 3.000 147.565 147.590 0.000 147.555 147.515 0.000 147.517 147.517 4.000 147.517 147.517	PF 15.80 9.000 147.668 7.000 147.652 147.652 3.000 147.620 147.675 3.000 147.612 147.600 4.000 147.513 147.543 4.000 147.543 147.543	PI 198.57 m	CH 5000 m 9.000 147.782 7.000 147.754 147.754 3.000 147.702 147.739 0.000 147.678 147.664 0.000 147.678 147.664 9.000 147.547 147.547
IRVEYED BY: JRVEYED BY: ONLAND GROUP ONLAND GROUP NAME: DATE: DESIGN & DELIVERY TEAM MEMBER PEER CHECK NAME: DATE: NAME: DATE:	CH500 m 9.000 147.803 7.000 147.747 147.747 3.000 147.748 147.803 0.000 147.732 147.728 4.000 147.718 147.718	CH 515.89 m	CH 520.00 m 9.000 147.660 7.000 147.732 147.732 3.376 147.837 147.887 0.000 147.776 147.803 4.000 147.750 147.750 4.000 147.750 147.750	CH 522.06 m 9.000 147.800 147.800 3.555 147.880 147.924 0.000 147.806 147.835 0.000 147.806 147.835 0.000 147.807 147.807 4.000 147.807 147.807	CH 528.23 m 9.000 147.972 7.000 147.973 147.889 4.000 147.989 147.989 4.000 148.056 148.056 9.000
TEAM LEADER DESIGN & DELIVERY	CH 5000 147.974 7.000 147.971 147.971 4.000 147.970 147.866 0.000 147.973 147.966 4.000 147.973 147.966 0.000 148.003 148.003	CH 532.69 m	PL 1600 9.000 147.884 7.000 147.875 147.875 4.000 147.898 147.880 0.000 147.791 147.900 4.000 147.791 147.900 0.000 147.785 147.785	CH 545.44 m	CH 550.00 m 148.052 6.000 147.766 147.766 3.985 147.881 147.841 0.000 147.912 147.940 2.000 147.928 147.928 0.000 147.928 147.928
PATH	9.000 148.007 RF 15.80 9.000 147.879 5.000 147.758 147.758 3.473 147.750 147.729 0.000 147.803 147.816 2.000 147.915 147.915	9.000 147.869 P.000 147.838 9.000 147.738 147.738 3.318 147.723 147.711 0.000 147.776 147.794 0.000 147.896 147.896 0.000 147.896 147.896	9.000 147.810 PI 45.80 9.000 147.760 5.000 147.680 147.680 3.112 147.660 147.683 0.000 147.735 147.761 0.000 147.871 147.871	9.000 147.974 PE 45.80 9.000 147.642 5.000 147.615 147.615 3.000 147.577 147.632 0.000 147.707 147.707 2.000 147.842 147.842	9.000 147.995 RF 15.60 9.000 9.000 147.532 147.532 3.000 147.604 147.513 0.000 147.604 147.513 0.000 147.714 0.000 147.714 0.000 147.714 0.0000 0.00000 0.0
Dwg. No.     1297       Revision No.     P2       DRAWING NO.     P2       A 1 3 2 9 7       Engineering File No.       SCALE     1:250       GA1     SHEET     22 OF	9.000 148.014	9.000 148.001	9.000 147.966	9.000 147.872	9.000 147.837

DATE	
MENDMENTS	Vortical H077200TH1 H200         P1 44.60         P1 44
AMENDMENTS REV DATE 25/3	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
ROAD       SOLUTIONS       P/L         pson Street, Avondale Heights, 3034       %         3) 9331 4683, Mob:0402 231310       %         rek@civilroadsolutions.com ABN 13 151 174 104       %         s/2020       CHECKED TI       %         s/2020       APPROVED RI       APPROVED RI         s/2020       ATE 25/3/2020       ATE 25/3/2020	PI     <
SURVEYED BY: IOONLAND GROUP CAD FILE: AN YEAN 1295P1 DESIGN & DELIVERY TEAM MEMBER PEER CHECK DATUM: A.H.D NAME: DATE:	P(1 + 1320 
TEAM LEADER DESIGN & DELIVERY NAME: DATE: APPROVED: MANAGER CITY DESIGN & TRANSPORT DATE: NAME: DATE:	R1 11 300 9000 11 13 200 11 14 555 11 14 14 14 11 14



DATE   AMENDMENTS   REV   DATE	RL H3 20 RL H3
CIVIL ROA         60 Thompson Stre         Phone: (03) 9331         Email: rimrek@civilr         DATE 25/3/2020         DRAWN RI         AMENDMENTS	$ \begin{array}{c} P_{1} \\ P_{1} \\ P_{2} \\ P_{1} \\ P_{2} \\ P_{2} \\ P_{1} \\ P_{2} \\ P_{2} \\ P_{1} \\ P_{1} \\ P_{2} \\ P_{1} \\ P_{1} \\ P_{2} \\ P_{2} \\ P_{2} \\ P_{1} $
CIVIL ROAD SOLUTIONS P/L       surveye         60 Thompson Street, Avondale Heights, 3034       Moonland         Phone: (03) 9331 4683, Mob: 0402 231310       moonland         Email: rimrek@civilroadsolutions.com ABN 13 151 174 104       cad film         Designed RI       DATE 25/3/2020       DATE 25/3/2020         NATE 25/3/2020       APPROVED RI       MATE 25/3/2020         NATE 25/3/2020       DATE 25/3/2020       DATE 25/3/2020	113     113     113     113     113     113       9000     115,558     115,
D BY: D GROUP 1295P1 NAME: DATE: DESIGN & DELIVERY TEAM MEMBER PEER CHECK NAME: DATE: NAME: DATE:	R1 14.00 P 0000 US5329
TEAM LEADER DESIGN & DELIVERY       Image: Clip of the second secon	Pictor         Pictor<
ITY     OF     WHITTLESEA     DRAWING NO.     1297       N YEAN PIPE TRACK     DRAWING NO.     P2       ARY DRIVE TO BUSH BLVD,     Engineering File No.       LLPARK - STAGE 5     SCALE 1:250       POSED SHARED PATH     SHEET 24 OF 25	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

	CH320 CH330	CH300 CH310	CH280 CH290	CH260 CH270	CH230 CH240	TP211.49 CH220	MID206.75 CH210	TP202.00	CH180 CH190 CH200	CH160 CH170	CH140 CH150	CH120	CH100	TP81.14 CH90	CH80	MID60.95	CH20	CH40 TP40.76	TP33.67 MID37.21	CH30	CH20	MID16.51	TP6.92	TP0.39 TP1.49	LOCATION CH00
OMENTS	329737.167 329744.791	329721.539 329729.415 329729.415	329705.662 329713.601	329689.786	329673.909 329673.909 329681.87	329651.278 329658.033	329647.526 329650.096	329643.802	329626.594 329634.414 329642 235	329610.952 329618.773	329595.311 329603.131	329579.669	329564.028	329549.277 329556.207	329548.388	329534.160	329526.556	329519.998 329520.489	329515.585 329518.128	329512.867	329505.541	329503.083	329496.639	329492.476 329493.120	EASTING 329492.274
REV DATE	5830515.948 5830522.418	5830503.469 5830509.631	5830491.306 5830497.388	5830479.144 5830485.225	5830466.981 5830466.981	5830449.644 5830454.818	5830446.741 5830448.735	5830443.802	5830430.090 5830436.322 58304430.090	23	5830405.162 5830411.394	5830392.699	5830380.235	5830368.482 5830374.003	5830367.769	5830355.114	5830347.236	5830339.687 5830340.270	5830335.151 5830337.623	5830332.690	5830325.885	5830323.409	5830316.309	5830311.279 5830312.169	NORTHING 5830310.947
	CH640	CH620 MID621.82	CH600 TP606.60	CH590 MIN596-31	CH570 CH580 TD586.03	MID562.27 TP565.99	CH560	CH550	CH530 CH540	CH520 MID522.06	CH510 TP515.89	MID498.57	TP481.25 (H490	CH470 CH480	CH460	CH/ E0	MID430.28 TP438.03	CH420 CH430	CH400 CH410	CH390	CH370	TP362.29	CH350	CH340 MID346.99	LOCATION TP331.68
	329983.534 329985.792	329970.364 329971.790 329971.790	329954.549 329959.755	329946.921	329932.240 329939.567 37994.3 982	329926.621 329929.299	329924.041 329925.038	329918.230	329903.425 329904.629 329911429	329896.945 329898.715	329887.670 329893.180	329877.379	329863.077	329854.371 329862.107	329846.636	329831.164	329823.611	329815.494 329823.388	329799.637 329807.565	329791.708	329775.852	329769.738	329760.088	329752.377 329757.750	EASTING 329746.059
π	5830713.389 5830715.289	5830702.563 5830703.699	5830690.323 5830694.371	5830683.858	5830670.276 5830677.082 5830681 187	5830664.962 5830667.544	5830662.282 5830663.341	5830656.017	5830640.056 5830641.354 5830648.685	5830635.043 5830636.092	5830631.328 5830633.400	5830626.371	5830616.648	5830609.516 5830615.853	5830603.179	5830590.505	5830584.395	5830578.080 5830584.218	5830565.891 5830571.986	5830559.797	5830547.608	5830542.909	5830535.300	5830528.934 5830533.397	NORTHING 5830523.520
CIVIL 60 Thomp Phone: (03 Email: rimr DESIGNED RI DATE 25/3, DRAWN RI									TP2 C	MID	TP C		TP	( MID		TP		MID	TP.						
ROAD pson Street, 3) 9331 468 rek@civilroac					CH930 3302 CH940 3302				CH860         330152           TP868.26         330158           CH870         330160	9				MID792.67 330101. CH800 330106.		0	CH760 330077.	CH750 330069. MID759.82 330077.	CH740 330062. TP744.14 330065.		CH710 330039				_OCATION EASTING CH650 329993.4
SOLUT vondale Ha Mob: 0402 utions.con checi APPR		2.017 58 9.287 58 9.287 58		956	.855 126		.775	.504	972 934	981	632 .791	253	.446	430		807	437	928 300	300		9.347 4 998	697 697	395	44	ING         NORTHING           93.443         5830721.729
NION 2313 ABN RED TI 25/3/		396 196	940. 947.	926. 927	5830906.321 5830913.187 5830913.187	892.5 899.4	5830878.856 5830885.722	5830871.990	5830858.341 5830863.932 5830865.124	5830851.803 5830857.535	5830845.409 5830851.363	5830832.622	5830826.131	5830814.925 5830819.761	5830813.143	5830803.278	5830792.753 5830799 506	5830786.149 5830792.630	5830779.683 5830782.347	5830773.244	5830760.365	5830753.926	5830741.047	5830728.168 5830734.608	HING 721.7
D/L SURVEYED BY: MOONLAND GROI 174 104 CAD FILE: YAN YEAN 1295F DATUM: A.H.D		30961.250 330968.116 330968.116	5830940.652	919 785	321 187 187	.589	22 22	2 90 2 7	.341 .932 .124	3	00						<u>6</u>	9				06			29
D/L SURVEYED B MOONLAND GF 174 104 CAD FILE: YAN YEAN 129 DATUM: A.H.D		1.250 3.116	.652	919	321 187	- <u>55</u>	22			CURVE No.		R16			R12	R11	P10	R8	R6	R5	R4	R2	R1	CURVE No.	29
D/L     SURVEYED BY: MOONLAND GROUP     PROJECT MANAGER       174 104     CAD FILE: YAN YEAN 1295P1     NAME: DESIGN & DELIVERY TEAM MEMBER       DATUM: A.H.D     DATUM: A.H.D		1.250 1.250			321 187		<u>56</u>		R17 2.500	CURVE RADIUS		R16 300.000	500.000	500.000	R12 197.000	R11 100.000	R9 97.000	R8 500.000	R6 503.000	R5 497.000	R4 197.000	R2 147.000	R1 7.000	CURVE RADIUS	29
D/L     SURVEYED BY: MOONLAND GROUP     PROJECT MANAGER       174 104     CAD FILE: YAN YEAN 1295P1     NAME: DESIGN & DELIVERY TEAM PEER CHECK     DATUM: A.H.D			.652 .518				22		R17 2.500 4.049	CURVE No.	SIDE PATH (	R16 300.000 18.953	500.000 34.352		R12 197.000 20.569	R11 100.000 7.440	R9 97.000 34.634	R8 500.000 15.500	R6 503.000 31.796	R5 497.000 9.489	R4 197.000 40.378	R2 147.000 19.179	R1 7.000 1.100	CURVE No.	
D/L     SURVEYED BY: MOONLAND GROUP     PROJECT MANAGER       174 104     CAD FILE: YAN YEAN 1295P1     NAME: DESIGN & DELIVERY TEAM MEMBER       DATUM: A.H.D     DATUM: A.H.D							22		R17       2.500       4.049       1.810         R17       2.500       3.805       1.724	CURVE RADIUS	SIDE PATH CURVE S	R16 300.000 18.953 9.475	500.000 34.352 17.173		R12 197.000 20.569 10.280	R11 100.000 7.440 3.719	R9       97.000       34.634       17.225         I D10       25.000       12.32.7       4.100	R8 500.000 15.500 7.750	R6       503.000       31.796       15.895         R7       4.97 000       30.610       15.302	R5 497.000 9.489 4.744	R4 197.000 40.378 20.153	R2 147.000 19.179 9.583	R1 7.000 1.100 0.549	CURVE RADIUS	
D/L     SURVEYED BY:     PROJECT MANAGER     TEAM LEADER DESIGN & DELIVERY       174 104     MOONLAND GROUP     NAME:     DATUR:       174 104     CAD FILE:     NAME:     DATE:       YAN YEAN 1295P1     DESIGN & DELIVERY TEAM MEMBER     APPROVED:     MANAGER CITY DESIGN &       DATUM: A.H.D     DATUM: A.H.D     NAME:     DATE:     NAME:     DATE:									R17       2.500       4.049       1.810       0.776         R18       2.500       3.805       1.724       0.690	CURVE RADIUS ARC	SIDE PATH CURVE	R16 300.000 18.953 9.475 0.150	500.000 34.352 17.173 0.295	500.000     30.453     15.224     0.232       500.000     31.357     15.676     0.246	R12 197.000 20.569 10.280 0.268	R11       100.000       7.440       3.719       0.069	R9       97.000       34.634       17.225       1.542         P10       97.000       34.634       17.225       1.542	R8 500.000 15.500 7.750 0.060	R6       503.000       31.796       15.895       0.251         R7       4.97 000       30.610       15.302       0.251	R5 497.000 9.489 4.744 0.023	R4     197.000     40.378     20.153     1.034	R2 147.000 19.179 9.583 0.313	R1 7.000 1.100 0.549 0.022	CURVE RADIUS ARC	
D/L     SURVEYED BY:     PROJECT MANAGER     TEAM LEADER DESIGN & DELIVERY     CIT       174 104     CAD FILE:     MAME:     DATE:     DATE:     DATE:     DATE:     DATE:     DATE:     CENTENAF       174 104     DATUM: A.H.D     DATUM: A.H.D     MAME:     DATE:     DATE:     DATE:     DATE:     MAME:     DATE:     DATE: <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>R17       2.500       4.049       1.810       0.776       0.985         R18       2.500       3.805       1.724       0.690       0.928</td><td>CURVE   RADIUS   ARC     No.   R   LENGTH   A     B   C</td><td>SIDE PATH CURVE SETOU</td><td>R16 300.000 18.953 9.475 0.150 4.738</td><td></td><td>500.000     30.453     15.224     0.232     7.613       500.000     31.357     15.676     0.246     7.839</td><td>R12       197.000       20.569       10.280       0.268       5.142</td><td>R11       100.000       7.440       3.719       0.069       1.860</td><td>R9       97.000       34.634       17.225       1.542       8.647         D10       20.00       12.27       4.100       0.758       3.078</td><td>R8       500.000       15.500       7.750       0.060       3.875</td><td>R6       503.000       31.796       15.895       0.251       7.949         R7       L97 000       30.610       15.895       0.251       7.949</td><td>R5       497.000       9.489       4.744       0.023       2.372</td><td>R4     197.000     40.378     20.153     1.034     10.090</td><td>R2       147.000       19.179       9.583       0.313       4.794         R3       50.000       7.096       3.545       0.126       1.774</td><td>R1 7.000 1.100 0.549 0.022 0.275</td><td>CURVE RADIUS ARC No. R LENGTH A B C</td><td></td></td<>									R17       2.500       4.049       1.810       0.776       0.985         R18       2.500       3.805       1.724       0.690       0.928	CURVE   RADIUS   ARC     No.   R   LENGTH   A     B   C	SIDE PATH CURVE SETOU	R16 300.000 18.953 9.475 0.150 4.738		500.000     30.453     15.224     0.232     7.613       500.000     31.357     15.676     0.246     7.839	R12       197.000       20.569       10.280       0.268       5.142	R11       100.000       7.440       3.719       0.069       1.860	R9       97.000       34.634       17.225       1.542       8.647         D10       20.00       12.27       4.100       0.758       3.078	R8       500.000       15.500       7.750       0.060       3.875	R6       503.000       31.796       15.895       0.251       7.949         R7       L97 000       30.610       15.895       0.251       7.949	R5       497.000       9.489       4.744       0.023       2.372	R4     197.000     40.378     20.153     1.034     10.090	R2       147.000       19.179       9.583       0.313       4.794         R3       50.000       7.096       3.545       0.126       1.774	R1 7.000 1.100 0.549 0.022 0.275	CURVE RADIUS ARC No. R LENGTH A B C	
D/L     SURVEYED BY:     PROJECT MANAGER     TEAM LEADER DESIGN & DELIVERY     CITY OF V       174 104     CAD FILE:     NAME:     DATE:     NAME:     DATE:     DATE:     DATE:     CITY OF V       174 104     CAD FILE:     NAME:     DATE:     NAME:     DATE:     DATE:     CITY OF V       174 104     CAD FILE:     NAME:     DATE:     NAME:     DATE:     DATE:     CITY DESIGN &       174 104     CAD FILE:     DESIGN & DELIVERY TEAM MEMBER     DATE:     NAME:     DATE:     CENTENARY DRIVE       NAME:     DATUM: A.H.D     NAME:     DATE:     NAME:     DATE:     DATE:     DATE:       NAME:     DATUM: A.H.D     NAME:     DATE:     NAME:     DATE:     DATE:     DATE:									R17       2.500       4.049       1.810       0.776         R18       2.500       3.805       1.724       0.690	CURVE RADIUS ARC No. R LENGTH A B	SIDE PATH CURVE SETOU	R16 300.000 18.953 9.475 0.150		500.000     30.453     15.224     0.232       500.000     31.357     15.676     0.246	R12       197.000       20.569       10.280       0.268       5.142	R11       100.000       7.440       3.719       0.069       1.860	R9       97.000       34.634       17.225       1.542         P10       97.000       34.634       17.225       1.542	R8       500.000       15.500       7.750       0.060       3.875	R6       503.000       31.796       15.895       0.251         R7       4.97 000       30.610       15.302       0.251	R5       497.000       9.489       4.744       0.023       2.372	R4     197.000     40.378     20.153     1.034     10.090	R2 147.000 19.179 9.583 0.313	R1 7.000 1.100 0.549 0.022 0.275	CURVE RADIUS ARC No. R LENGTH A B	29
D/L     SURVEYED BY:     PROJECT MANAGER     TEAM LEADER DESIGN & DELIVERY     CITY OF WHITT       174 104     CAD FILE:     NAME:     DATE:     NAME:     DATE:     NAME:     DATE:     NAME:     DATE:     VAN YEAN 1235P1     DESIGN & DELIVERY TEAM MEMBER     TRANSPORT     TRANSPORT     TRANSPORT     CITY DESIGN &     CITY OF WHITT       174 104     CAD FILE:     NAME:     DATE:     NAME:     DATE:     NAME:     DATE:     CITY DESIGN &     YAN YEAN PIPE TR       174 104     CAD FILE:     NAME:     DATE:     NAME:     DATE:     NAME:     DATE:     CITY DESIGN &     YAN YEAN PIPE TR       174 104     DATUM: A.H.D     NAME:     DATE:     NAME:     DATE:     DATE:     CENTENARY DRIVE TO B       174 104     DATUM: A.H.D     NAME:     DATE:     NAME:     DATE:     DATE:     SETOILT TABLES									R17       2.500       4.049       1.810       0.776       0.985         R18       2.500       3.805       1.724       0.690       0.928	CURVE   RADIUS   ARC     No.   R   LENGTH   A     B   C	SIDE PATH CURVE SETOU	R16 300.000 18.953 9.475 0.150 4.738		500.000     30.453     15.224     0.232     7.613       500.000     31.357     15.676     0.246     7.839	R12       197.000       20.569       10.280       0.268       5.142	R11       100.000       7.440       3.719       0.069       1.860	R9       97.000       34.634       17.225       1.542       8.647         D10       20.00       12.27       4.100       0.758       3.078	R8       500.000       15.500       7.750       0.060       3.875	R6       503.000       31.796       15.895       0.251       7.949         R7       L97 000       30.610       15.895       0.251       7.949	R5       497.000       9.489       4.744       0.023       2.372	R4     197.000     40.378     20.153     1.034     10.090	R2       147.000       19.179       9.583       0.313       4.794         R3       50.000       7.096       3.545       0.126       1.774	R1 7.000 1.100 0.549 0.022 0.275	CURVE RADIUS ARC No. R LENGTH A B C	
D/L     SURVEYED BY:     PROJECT MANAGER     TEAM LEADER DESIGN & DELIVERY     CITY OF V       174 104     CAD FILE:     NAME:     DATE:     NAME:     DATE:     DATE:     DATE:     CITY OF V       174 104     CAD FILE:     NAME:     DATE:     NAME:     DATE:     DATE:     CITY OF V       174 104     CAD FILE:     NAME:     DATE:     NAME:     DATE:     DATE:     CITY DESIGN &       174 104     CAD FILE:     DESIGN & DELIVERY TEAM MEMBER     DATE:     NAME:     DATE:     CENTENARY DRIVE       NAME:     DATUM: A.H.D     NAME:     DATE:     NAME:     DATE:     DATE:     DATE:       NAME:     DATUM: A.H.D     NAME:     DATE:     NAME:     DATE:     DATE:     DATE:									R17       2.500       4.049       1.810       0.776       0.985         R18       2.500       3.805       1.724       0.690       0.928	CURVE   RADIUS   ARC     No.   R   LENGTH   A     B   C	SIDE PATH CURVE SETOU	R16 300.000 18.953 9.475 0.150 4.738		500.000     30.453     15.224     0.232     7.613       500.000     31.357     15.676     0.246     7.839	R12       197.000       20.569       10.280       0.268       5.142	R11       100.000       7.440       3.719       0.069       1.860	R9       97.000       34.634       17.225       1.542       8.647         D10       20.00       12.27       4.100       0.758       3.078	R8       500.000       15.500       7.750       0.060       3.875	R6       503.000       31.796       15.895       0.251       7.949         R7       L97 000       30.610       15.895       0.251       7.949	R5       497.000       9.489       4.744       0.023       2.372	R4     197.000     40.378     20.153     1.034     10.090	R2       147.000       19.179       9.583       0.313       4.794         R3       50.000       7.096       3.545       0.126       1.774	R1 7.000 1.100 0.549 0.022 0.275	CURVE RADIUS ARC No. R LENGTH A B C	

