



CITY OF WHITTLESEA

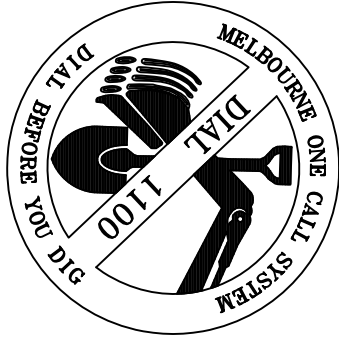
YAN YEAN PIPE TRACK, MILL PARK - SHARED PATH CENTENARY DRIVE TO BUSH BOULEVARD - STAGE 5



LOCALITY PLAN
NOT TO SCALE

DRAWING INDEX	
Drw. No.	DESCRIPTION
1	LOCALITY PLAN & DRAWING INDEX
2	GENERAL CONSTRUCTION , TREE SITE SPECIFIC AND LINEMARKING NOTES
3	SHARED PATH, BOLLARD AND HANDRAIL DETAILS
4	RAISED PAVEMENT DETAILS
5	LINEMARKING AND SIGNAGE DETAILS
6	ALIGNMENT PLAN
7	ALIGNMENT PLAN
8	DETAIL PLAN
9	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	GROSS SECTIONS
21	GROSS SECTIONS
22	GROSS SECTIONS
23	GROSS SECTIONS
24	GROSS SECTIONS
25	SETOUT TABLES

WARNING
BEWARE OF UNDERGROUND SERVICES
AND OVERHEAD POWER LINES
THE LOCATION OF UNDERGROUND SERVICES
SHOWN ARE APPROXIMATE ONLY AND THEIR
EXACT POSITION MUST BE PROVEN ON SITE



				CIVIL ROAD SOLUTIONS P/L		SURVEYED BY: MOONLAND GROUP		PROJECT MANAGER		TEAM LEADER DESIGN & DELIVERY		CITY OF WHITTLESEA		DRAWING NO. A13297	
				60 Thompson Street, Avondale Heights, 3034 Phone: (03) 9331 4683, Mob: 0402 231310 Email: rimmer@civlroadsolutions.com ABN 13 151 174 104				NAME: DESIGN & DELIVERY TEAM MEMBER PEER CHECK		DATE:		YAN YEAN PIPE TRACK MILLPARK – STAGE 5 PROPOSED SHARED PATH		Engineering File No.	
				DESIGNED RI DATE: 25/3/2020										SCALE 1:250	
				DRAWN RI DATE: 25/3/2020				NAME: APPROVED MANAGER CITY DESIGN & TRANSPORT		DATE:				SHEET 1 OF 25	
				APPROVED RI DATE: 25/3/2020				NAME:		DATE:					
AMENDMENTS				REV		DATE		AMENDMENTS		REV		DATE			
DATE															

GENERAL NOTES

- 1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE CITY OF WHITTLESEA STANDARD DRAWINGS AND SPECIFICATION AND TO THE SATISFACTION OF THE SUPERINTENDENT NOMINATED REPRESENTATIVE.
- 2. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN IN THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
- 3. TBW'S ARE NAILS LOCATED IN FOOTPATHS AND ISLANDS. ALL TBW'S ARE TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS. IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL EXTRA TBW'S IF SO REQUIRED.
- 4. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN INFORMATION REGARDING GROUND CONDITIONS THROUGHOUT THE WORKS AND TO ASCERTAIN WHETHER SHORING OF THE TRENCH IS REQUIRED.
- 5. ALL TRENCHING SHALL COMPLY WITH THE CODE OF PRACTICE FOR TRENCHES, BEFORE COMMENCING EXCAVATION ON ANY TRENCH GREATER THAN 1.5 METRES IN DEPTH, A NOTICE IS TO BE SENT TO THE VICTORIAN WORKCOVER AUTHORITY IN ACCORDANCE WITH THE CODE.
- 6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE CONSTRUCTION AREA IN A SAFE MANNER AND TO BE SURE THAT ADEQUATE BARRIERS, LIGHTS AND SIGNS ARE INSTALLED AND MAINTAINED WHERE NECESSARY IN ACCORDANCE WITH A.S. 1742.3 - 2009 AND AS DIRECTED BY THE SUPERINTENDENT'S REPRESENTATIVE.
- 7. ALL ROAD CROSSINGS, VEHICLE CROSSINGS, FOOTPATHS AND RIGHT OF WAYS TO BE SAWCUT TO EXISTING SOIL / ROCK PRIOR TO EXCAVATION.
- 8. AT THE COMPLETION OF THE CONSTRUCTION WORKS, ALL AREAS DISTURBED DURING THE CONSTRUCTION e.g. KERBS, FOOTPATHS, VEHICLE CROSSINGS, ROAD PAVEMENT, SIGNS, STREET FURNITURE etc. ARE TO BE REINSTATED BY THE CONTRACTOR AT THE CONTRACTOR'S COST.
- 9. MINIMUM CONCRETE COMPRESSIVE STRENGTH 32 MPa AT 28 DAYS.
- 10. EXCAVATED MATERIAL, INCLUDING PIPES, PITS AND BROKEN CONCRETE ARE TO BE REMOVED FROM THE SITE. ALL TIPPING CHARGES TO BE BORNE BY THE CONTRACTOR.
- 11. THIS DRAWING IS NOT TO BE SCALED, USE WRITTEN DIMENSIONS ONLY.
- 12. THE SITE SHALL BE CLEANED UP, ALL RUBBISH REMOVED AND THE SITE LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT'S REPRESENTATIVE. ALL CONCRETE REINSTATEMENT TO BE CARRIED OUT BETWEEN EXISTING JOINTS.
- 13. ALL TREES CANNOT BE REMOVED AND MUST BE PRESERVED AND PROTECTED AT ALL TIMES.

GENERAL TREE PROTECTION GUIDELINES

- THESE RECOMMENDATIONS ARE TO APPLY FOR TREE PROTECTION BOTH DURING DEMOLITION OF EXISTING KERB AND CHANNEL AND ANY OTHER STRUCTURE.
- THE FOLLOWING ARE GUIDELINES THAT MUST BE IMPLEMENTED TO MINIMISE THE IMPACT OF THE PROPOSED CONSTRUCTION WORKS ON THE EXISTING TREE.
- *NO FUEL, OIL DUMPS OR CHEMICALS SHALL BE ALLOWED IN OR STORED ON THE TREE PROTECTION ZONE AND THE SERVICING AND RE-FUELLING OF EQUIPMENT AND VEHICLES SHOULD BE CARRIED OUT AWAY FROM THE ROOT ZONES.
- *NO STORAGE OF MATERIAL, EQUIPMENT OR TEMPORARY BUILDING SHOULD TAKE PLACE OVER THE TREE PROTECTION ZONE OF ANY TREE.
- *SUPPLEMENTARY WATERING SHOULD BE PROVIDED TO ALL TREES THROUGH ANY DRY PERIODS DURING AND AFTER THE CONSTRUCTION PROCESS.
- *ANY PRUNING THAT IS REQUIRED MUST BE CARRIED OUT BY TRAINED AND COMPETENT ARBORIST WHO HAS A THOROUGH KNOWLEDGE OF TREE PHYSIOLOGY AND PRUNING METHODS AND CARRY OUT PRUNING TO THE AUSTRALIAN STANDARD - AS 4373 - 1996 PRUNING OF AMENITY TREES.
- *ALL ROOT EXCAVATION SHOULD BE CARRIED OUT BY HAND DIGGING OR WITH THE USE OF 'AIR-EXCAVATION' TECHNIQUES, AND ROOTS SHOULD BE SEVERED BY SAW CUTTING OR WITH A SHARP AXE AND NOT WITH A BACKHOE OR ANY MACHINERY OR BLUNT INSTRUMENT. IF BACKHOE IS REQUIRED TO EXCAVATE NEAR TREES THE BUCKET SHOULD BE ORIENTATED TO WORK RADIALY FROM THE TRUNK RATHER THAN ACROSS THE ROOT PLATE. THIS WILL AVOID TEARING THE ROOT'S BACK UP TOWARDS THE TRUNK.

- SITE SPECIFIC NOTES
- 1. SOIL TO BE USED AS REINSTATEMENT SHALL BE HIGH QUALITY TOP SOIL (TYPE B) FREE FROM STONES, WEEDS AND FOREIGN MATTER AND GRADED TO AVOID LOCALISED PONDING.
 - 2. WHERE PATH DEVIATES FROM EXISTING GRANITIC SAND WALKING TRACK, OLD TRACK MUST BE REMOVED IN IT'S ENTIRETY AND REPLACED WITH TOPSOIL AND SEED.
 - ALL SURPLUS GRANITIC SAND WHERE THE EXISTING PATH IS WIDER THAN THE NEW PATH MUST BE REMOVED AND REPLACED WITH A MINIMUM DEPTH OF 75mm OF TOPSOIL AND SEED.
 - 3. WHERE THE PATH ABUTS EXISTING GARDEN BEDS, SOIL SAND OR SIMILAR MATERIAL MUST BE REMOVED AND THE DISTURBED AREA ADJACENT TO THE PATH TOPPED WITH A MINIMUM OF 100mm OF GARDEN MULCH.

SIGNAGE AND LINEMARKING NOTES

- 1. ALL SIGNAGE AND LINEMARKING TO BE MANUFACTURED IN ACCORDANCE WITH AS1742.9 "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES-- BICYCLE FACILITIES" (CURRENT EDITION)
- 2. UNLESS OTHERWISE SHOWN ON THE PLANS, ALL SIGNS, RPPWS AND LINEMARKING TO BE INSTALLED IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL VOLUME 2, "SIGNS AND MARKINGS"
- 3. ALL LINEMARKING TO BE CARRIED OUT BY A CONTRACTOR APPROVED BY COUNCIL'S SUPERINTENDENT'S REPRESENTATIVE.
- 4. ALL REDUNDANT LINEMARKING TO BE REMOVED BY MECHANICAL GRINDING (OR OTHER METHOD APPROVED BY COUNCIL'S SUPERINTENDENT'S REPRESENTATIVE) PRIOR TO INSTALLATION OF THE NEW LINEMARKING.
- 5. ALL NEW LINEMARKING SHALL BE SPOTTED OUT AND APPROVED BY THE SUPERINTENDENT'S REPRESENTATIVE PRIOR TO INSTALLATION.
- 6. ALL LINEMARKING MATERIALS TO BE IN ACCORDANCE WITH VICROADS STANDARD SPECIFICATIONS FOR ROADWORKS AND BRIDGEWORKS SECTION 72+ LONGLIFE PAVEMENT MARKINGS - NEW INSTALLATIONS.




WARNING

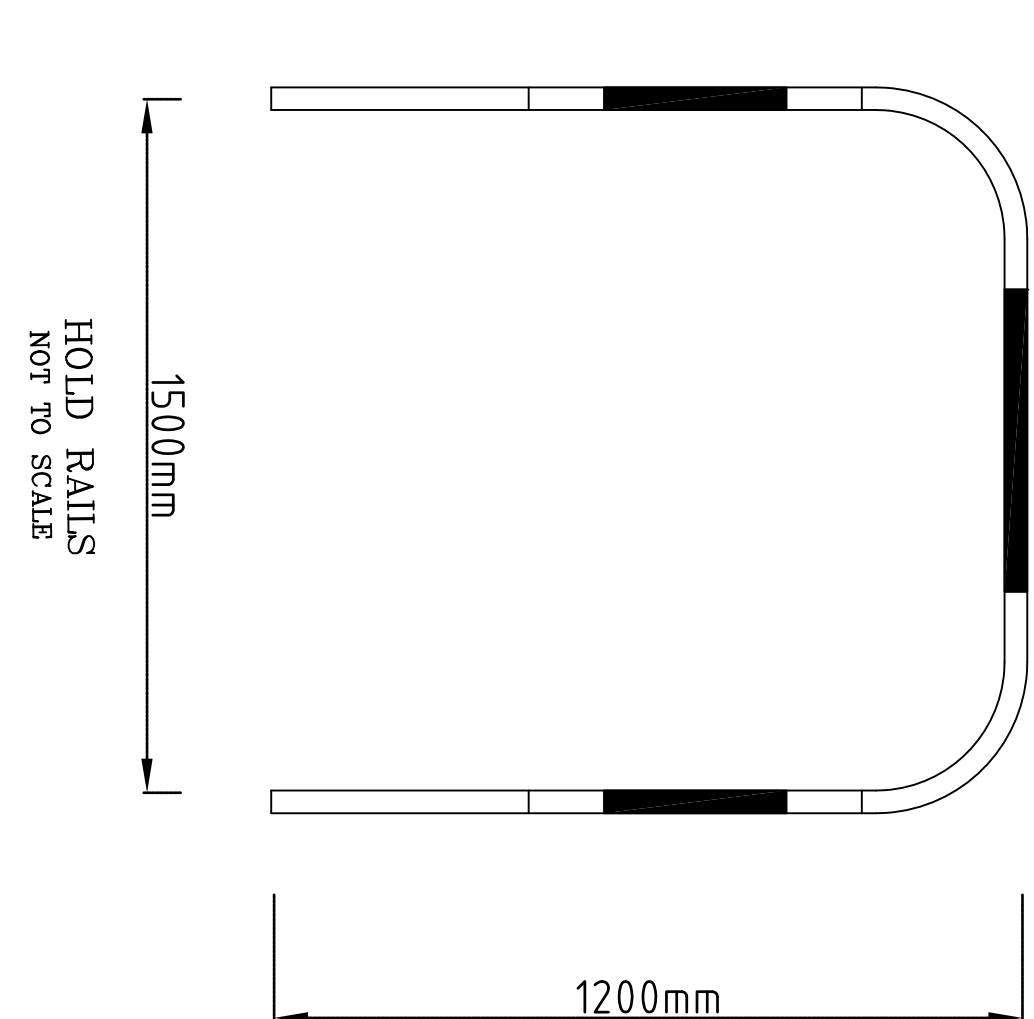
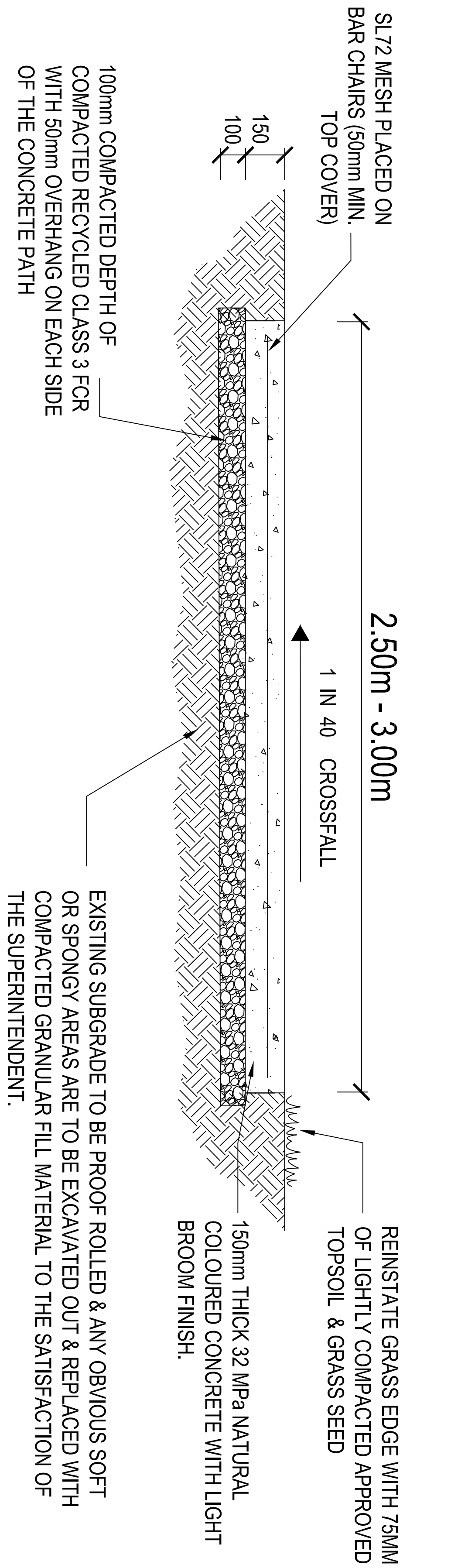
BEWARE OF UNDERGROUND SERVICES AND OVERHEAD POWERLINES

THE LOCATION OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION MUST BE PROVEN ON SITE

CRS Dwg. No.		1297
CRS Revision No.		P2

CITY OF WHITTLESEA				DRAWING NO. A13297	
				Engineering File No.	
YAN YEAN PIPE TRACK					
CENTENARY DRIVE TO BUSH BLVD,					
MILLPARK – STAGE 5					
PROPOSED SHARED PATH					
GENERAL AND SITE SPECIFIC NOTES					

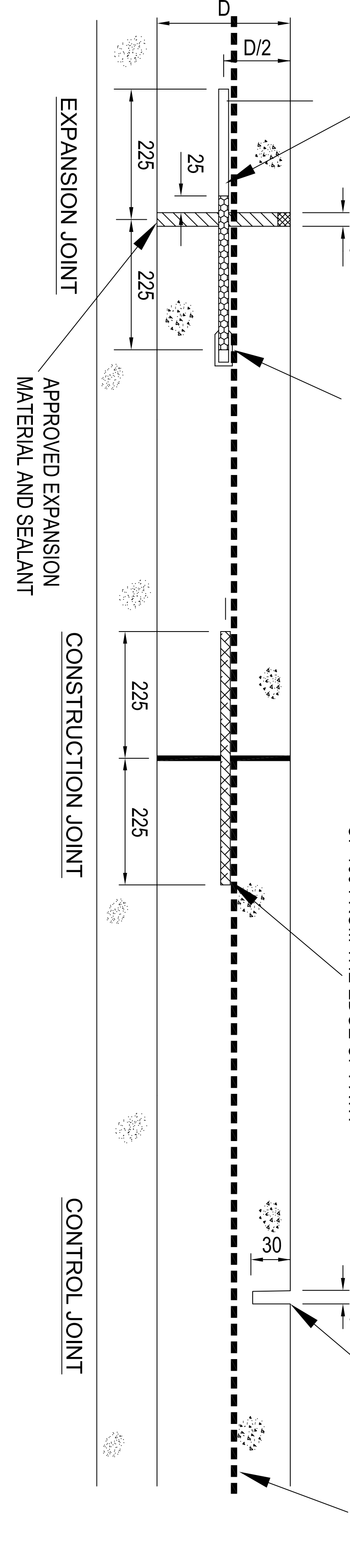
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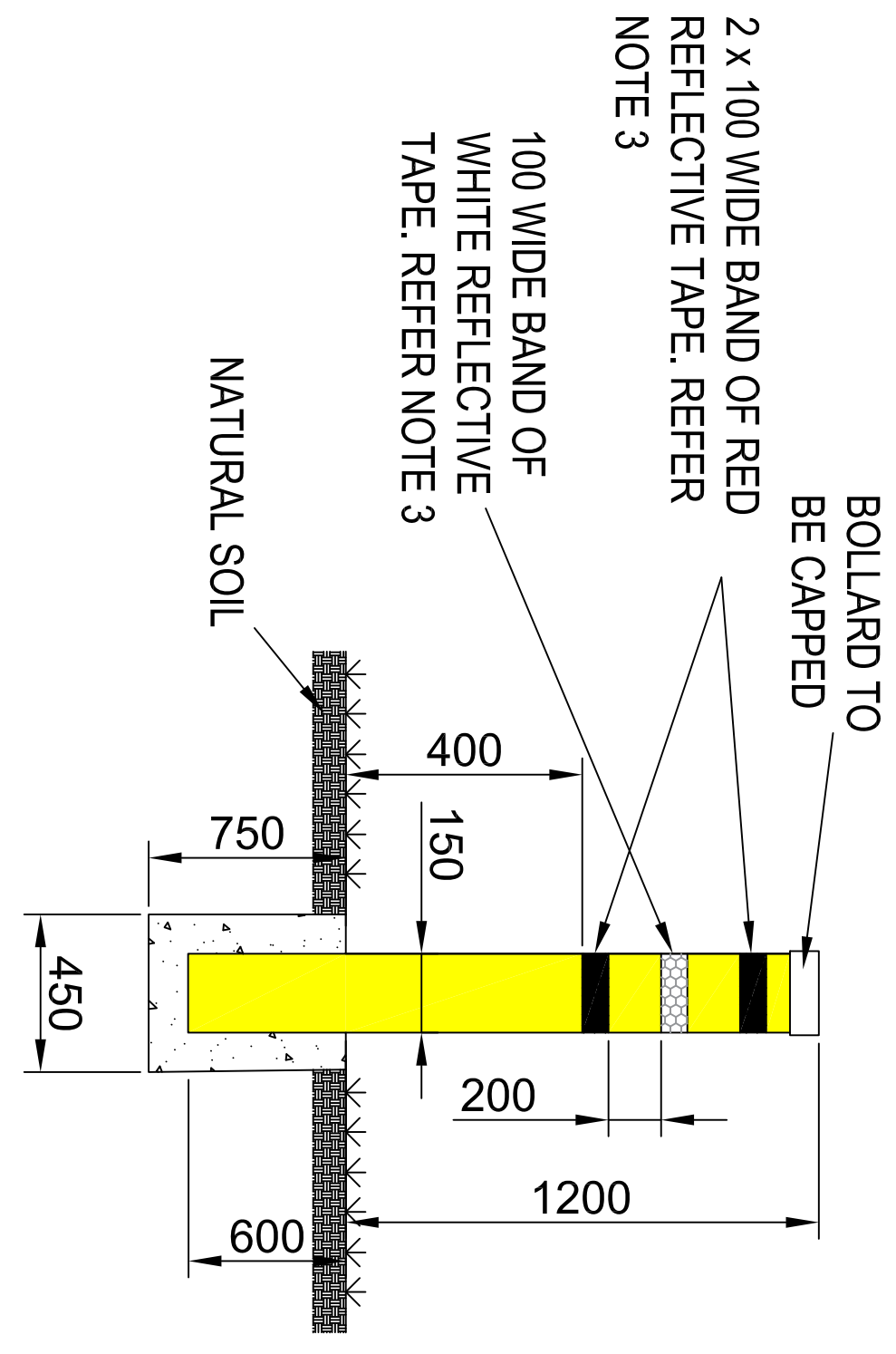
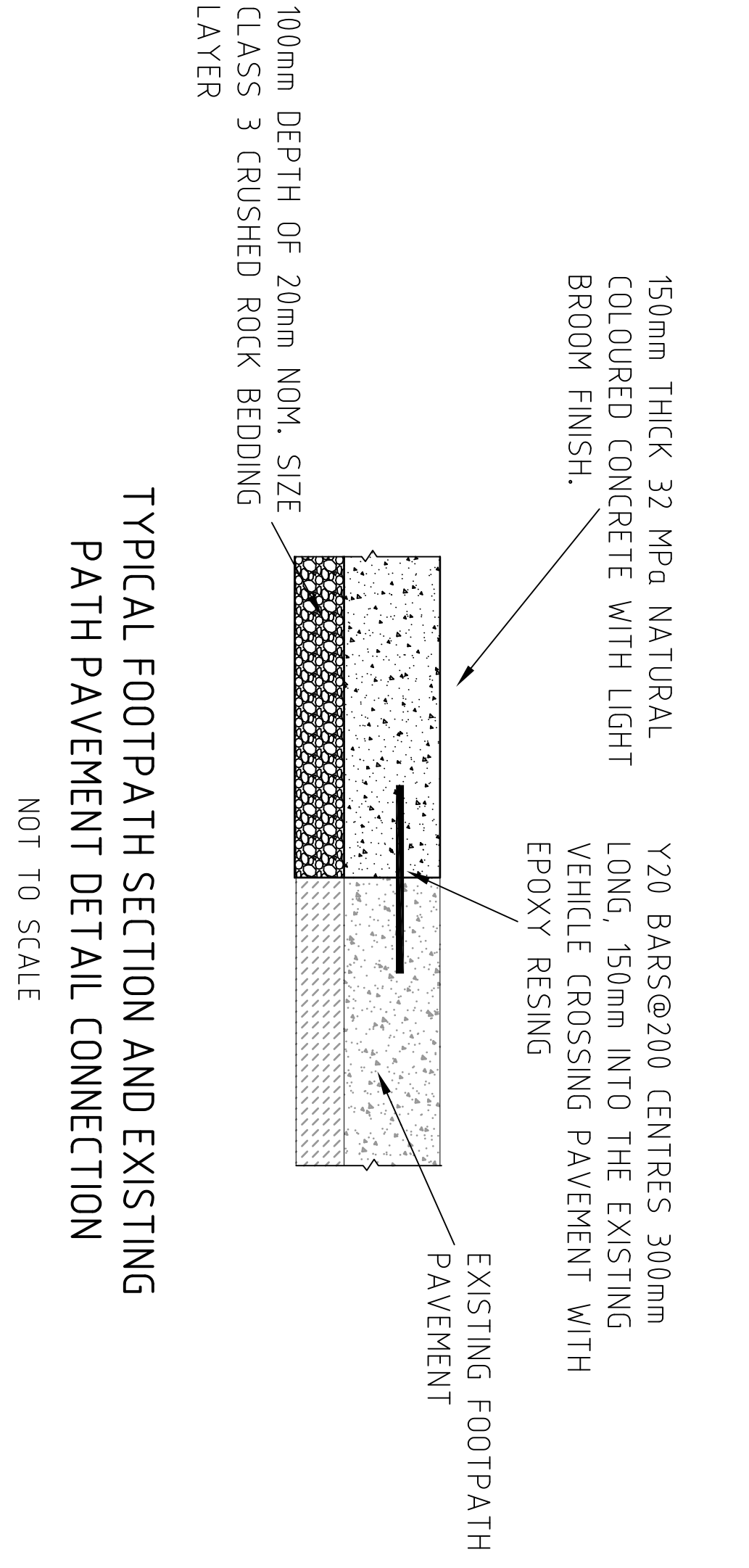
450 LONG N12 DOWEL BAR, AT 400 CENTERS COMMENCING AT A MINIMUM OF 100 FROM THE EDGE OF PATH

16Ø CLASS-18 PVC SLEEVE WITH CAP OR APPROVED EQUIVALENT

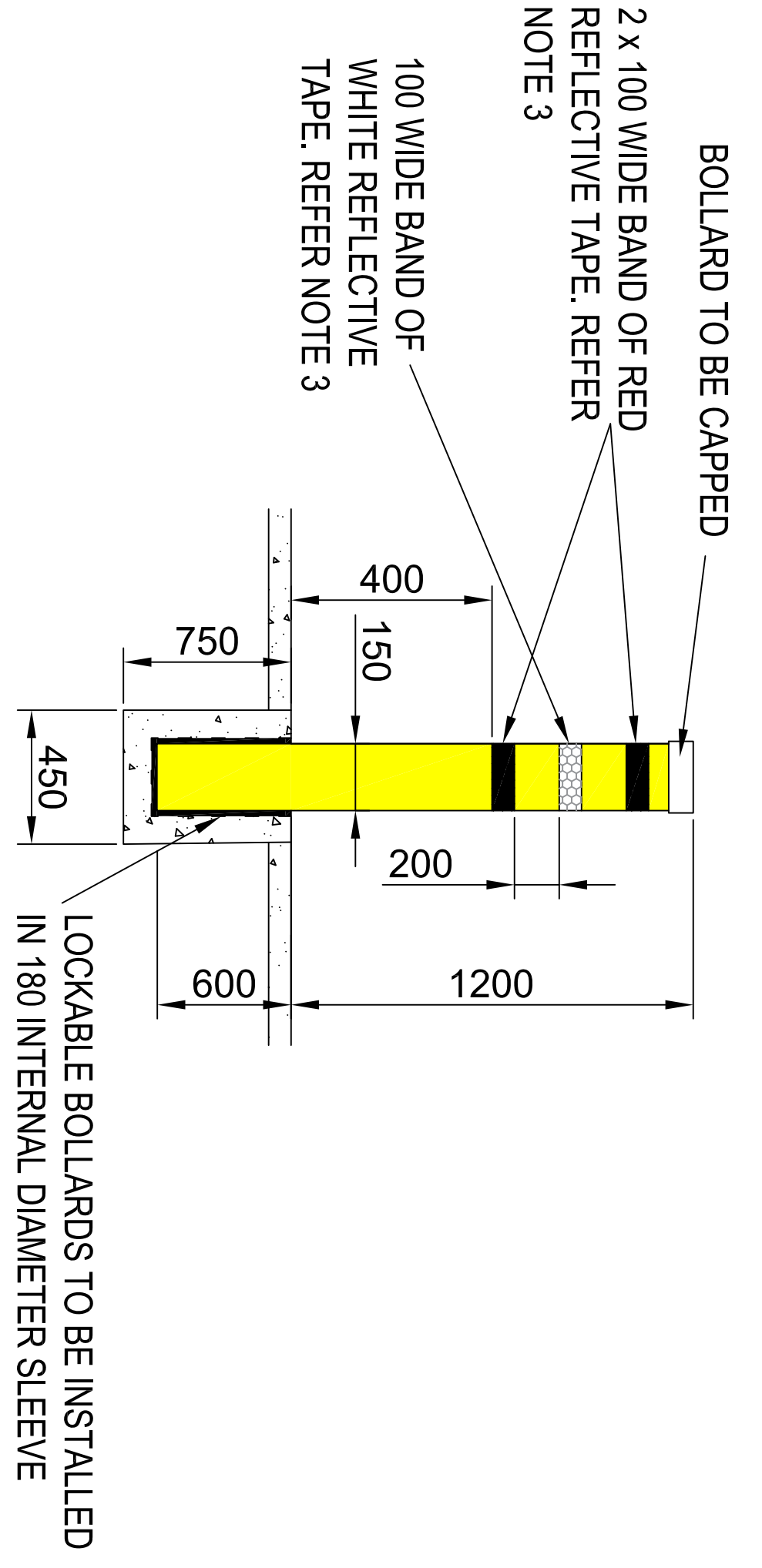
450 LONG N12 DOWEL BAR, AT 400 CENTERS COMMENCING AT A MINIMUM OF 100 FROM THE EDGE OF PATH



EXPANSION / CONSTRUCTION JOINT DETAIL - NOT TO SCALE



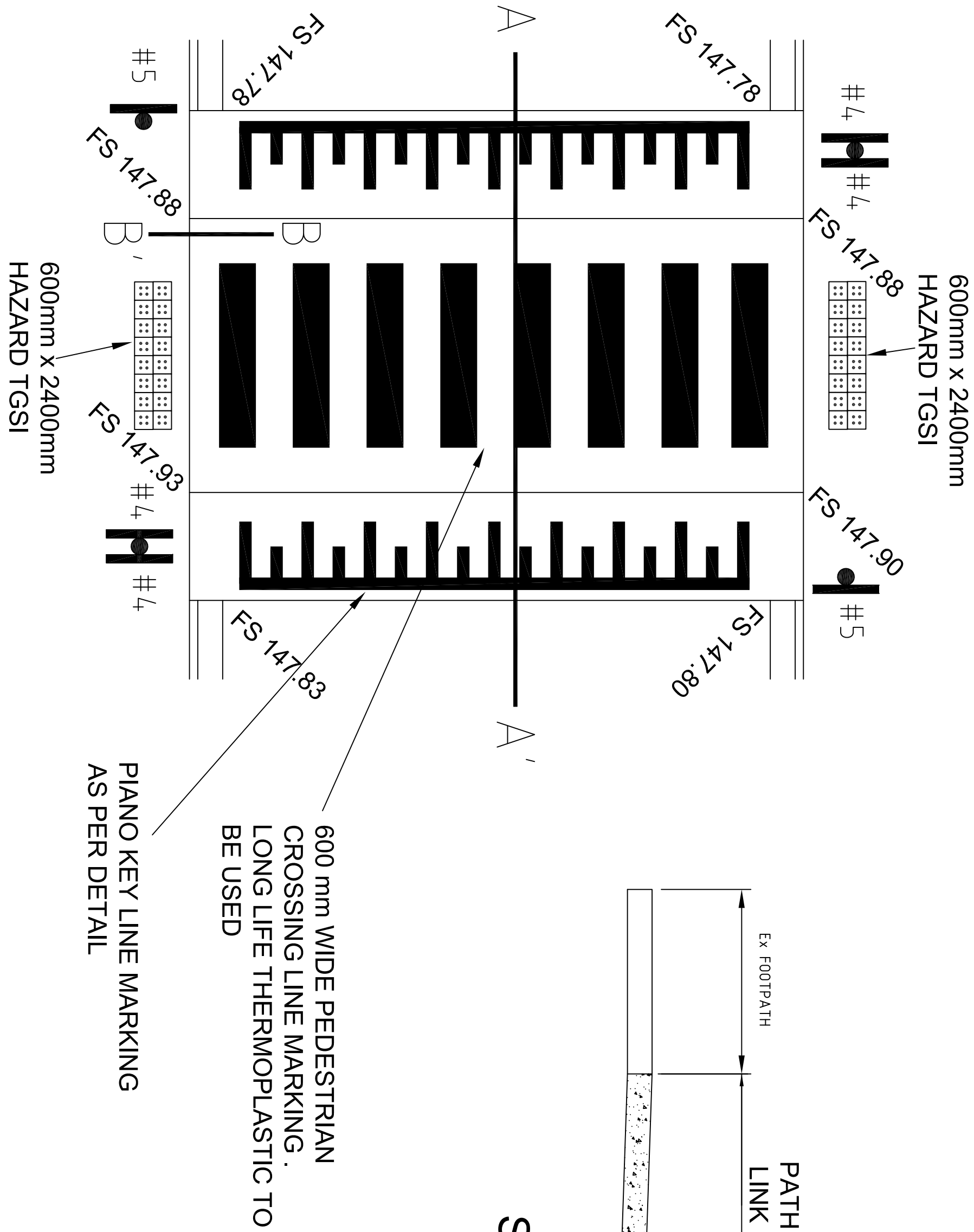
FIXED BOLLARD DETAIL



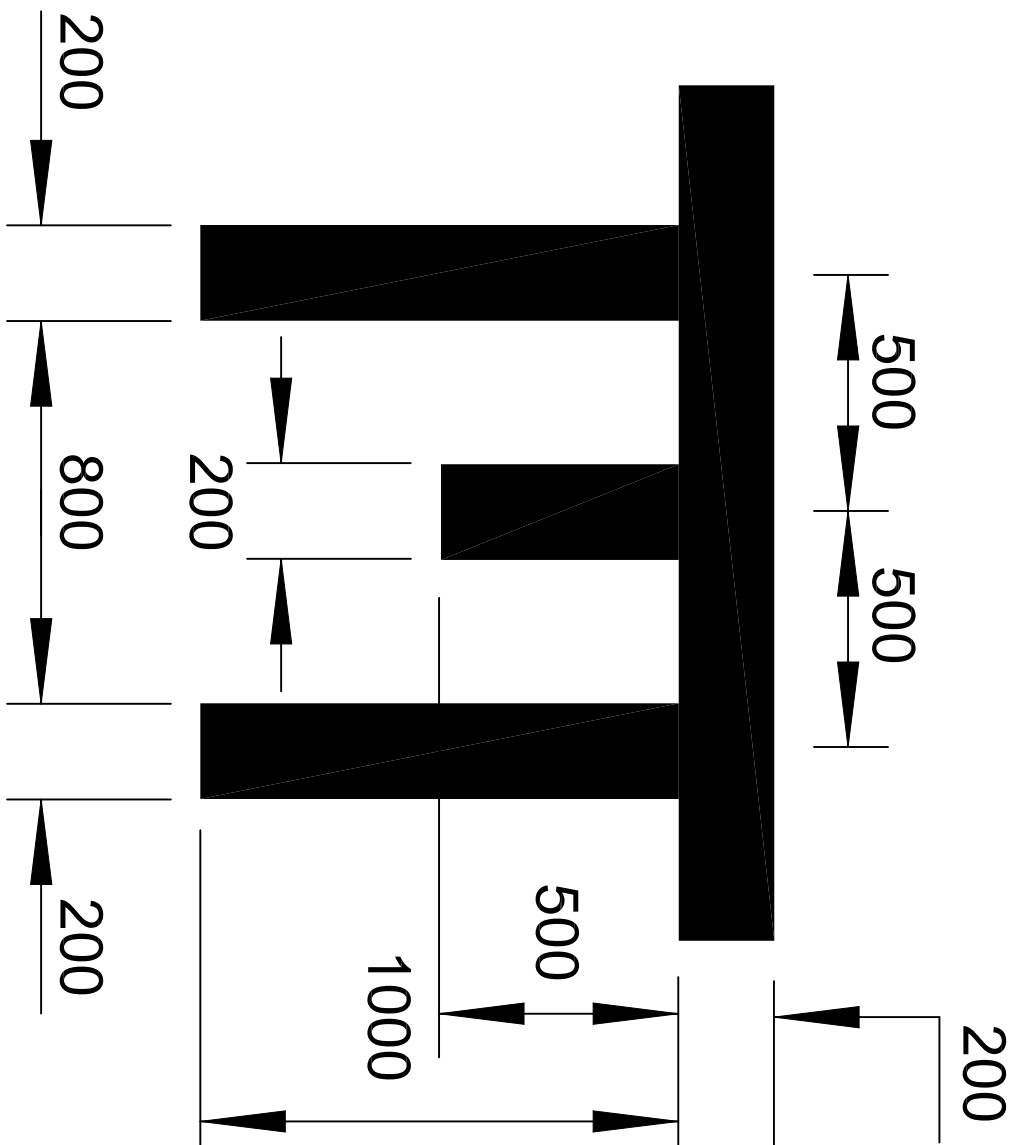
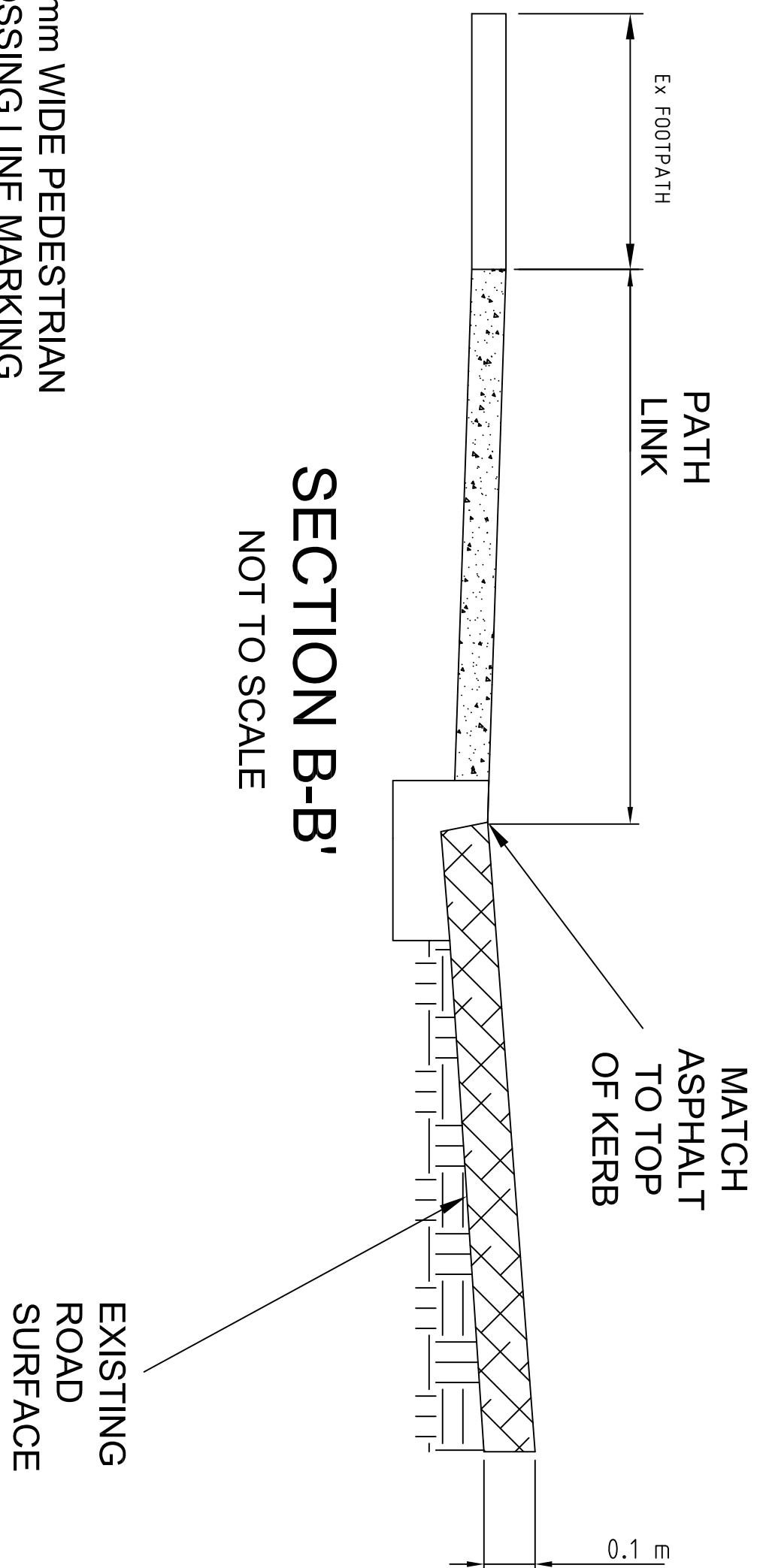
LOCKABLE BOLLARD DETAIL

- BOLLARD NOTES**
1. PARKS AND OPEN SPACE TO CONFIRM IF A LOCKABLE OR STANDARD BOLLARD IS REQUIRED FOR CENTRAL BOLLARD
 2. BOLLARD TO BE GALVANISED STEEL TO BE POWDER COATED IN AS 2700-1996 "Y11 CANARY YELLOW". PREHEAT TUBE BEFORE COATING.
 3. REFLECTIVE TAPE TO BE CLASS 1A RETROREFLECTIVE SHEETING

FIXED BOLLARD DETAIL										CRS Dwg. No. 1297	
										CRS Revision No. P2	



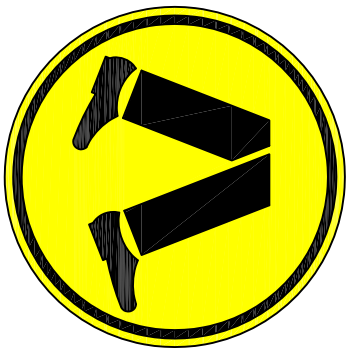
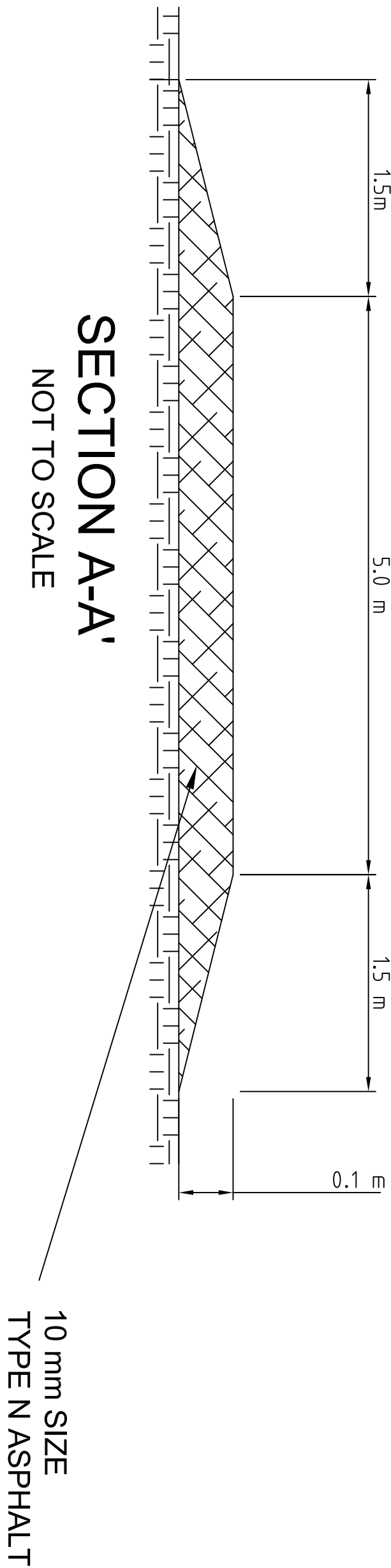
SECTION B-B'
NOT TO SCALE



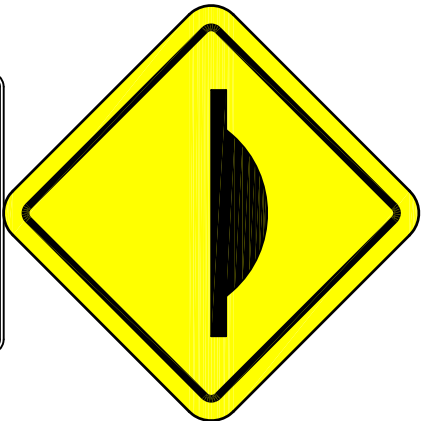
RAISED PAVEMENT LINE MARKING DETAILS

- LINE MARKING NOTES
1. LONGITUDINAL LINE MARKING (CENTER & PARKING LANE LINES) TO BE 3mm THICKNESS THERMO APPLIED PLASTIC
 2. RAISED PAVEMENT LINE MARKING TO BE 2mm THICKNESS COLD APPLIED PLASTIC.

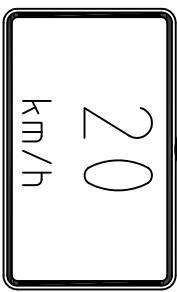
RAISED PAVEMENT DETAIL
APPLETREE DRIVE
NOT TO SCALE



#4 R3-1A




#5 W5 - 10A



#5 W8 - 2A

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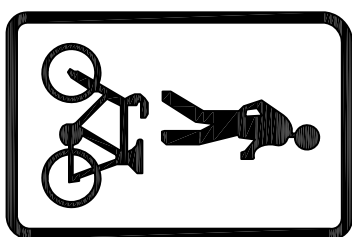
DRAWING NO.		A13297	
Engineering File No.			
SCALE		1:250	
SHEET		4 OF 25	

CITY OF WHITTLESEA			
YAN YEAN PIPE TRACK			
CENTENARY DRIVE TO BUSH BLVD,			
MILLPARK – STAGE 5			
PROPOSED SHARED PATH			
DETAIL PLAN			

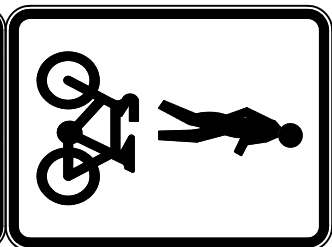
PROJECT MANAGER		TEAM LEADER DESIGN & DELIVERY	
NAME:		NAME:	
DATE:		DATE:	
DESIGN & DELIVERY TEAM MEMBER		APPROVED: MANAGER CITY DESIGN & TRANSPORT	
PEER CHECK			
NAME:		NAME:	
DATE:		DATE:	

SURVEYED BY:		MOONLAND GROUP	
CAD FILE:		YAN YEAN 129SP1	
DATE 25/3/2020		DATE 25/3/2020	
CHECKED TI		APPROVED RI	
DATE 25/3/2020		DATE 25/3/2020	
DRAWN RI			
DATE 25/3/2020			

CIVIL ROAD SOLUTIONS P/L		60 Thompson Street, Avondale Heights, 3034	
Phone: (03) 9331 4683, Mob: 0402 231310			
Email: rimtek@civillroadsolutions.com ABN 13 151 174 104			
DESIGNED RI			
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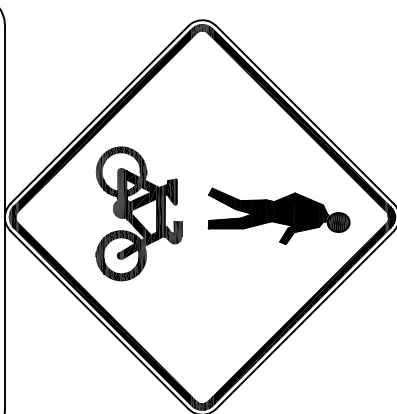
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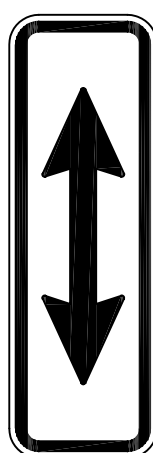
#2 R8-2A



#2 R7-4A



#3 W6-9A



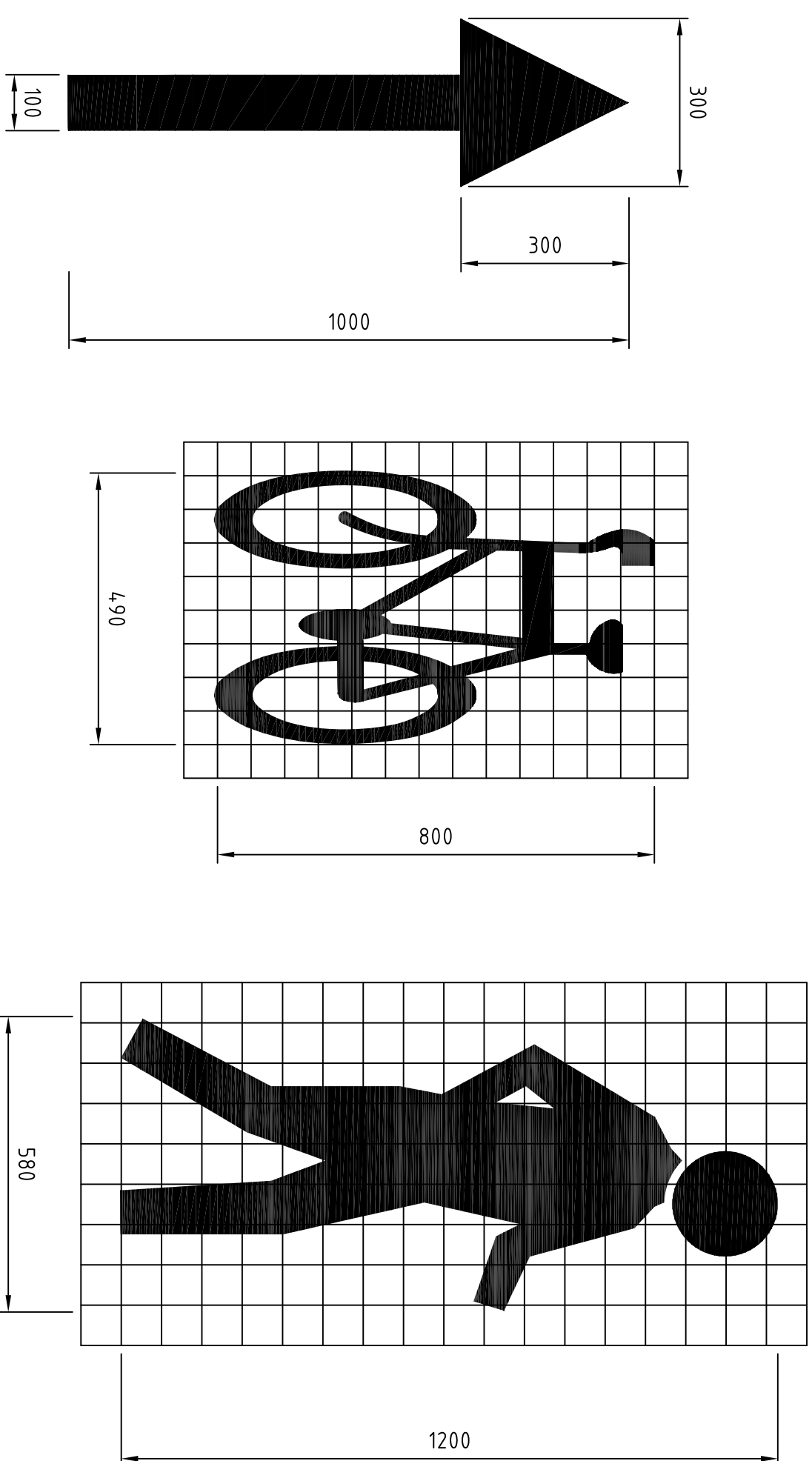
#3 W8-23A

SIGN

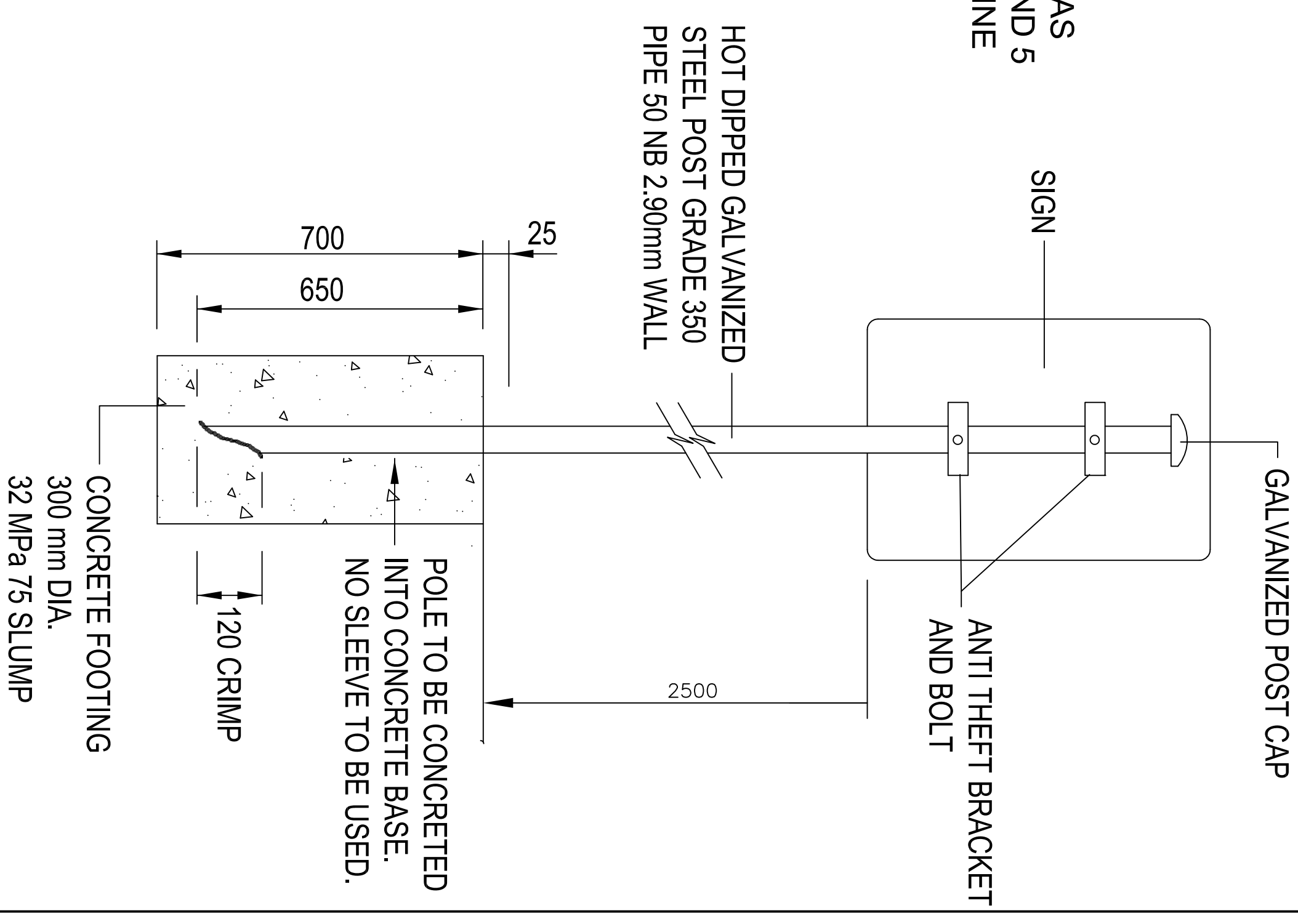
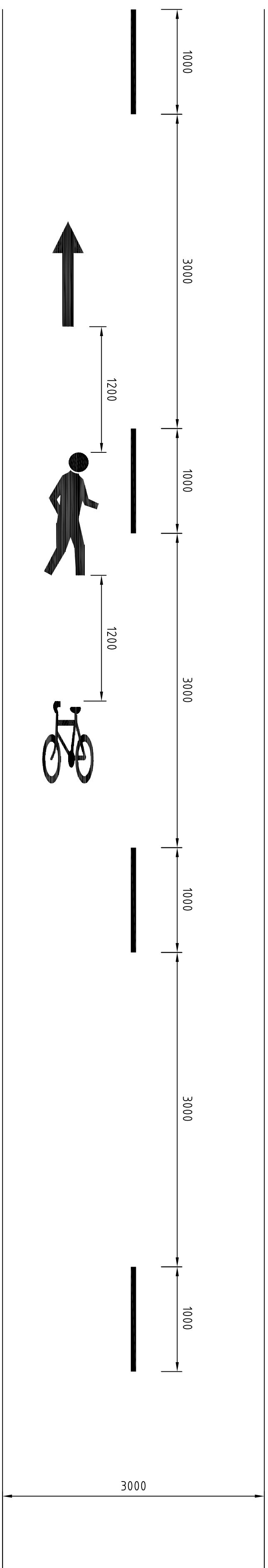
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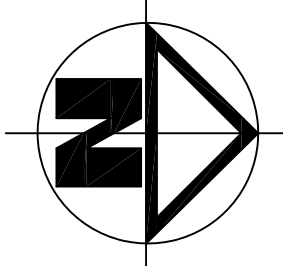
SIGNAGE NOTES:

1. 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 MARKING.
2. AS 4792 HOT DIP GALVANISING.
3. AS 1379 READY MIXED CONCRETE.
4. SIGNS TO BE INSTALLED AS PER SD 810



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.

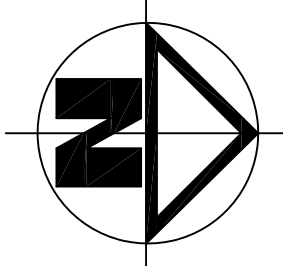
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CRS Dwg. No.		1297
CRS Revision No.		P2

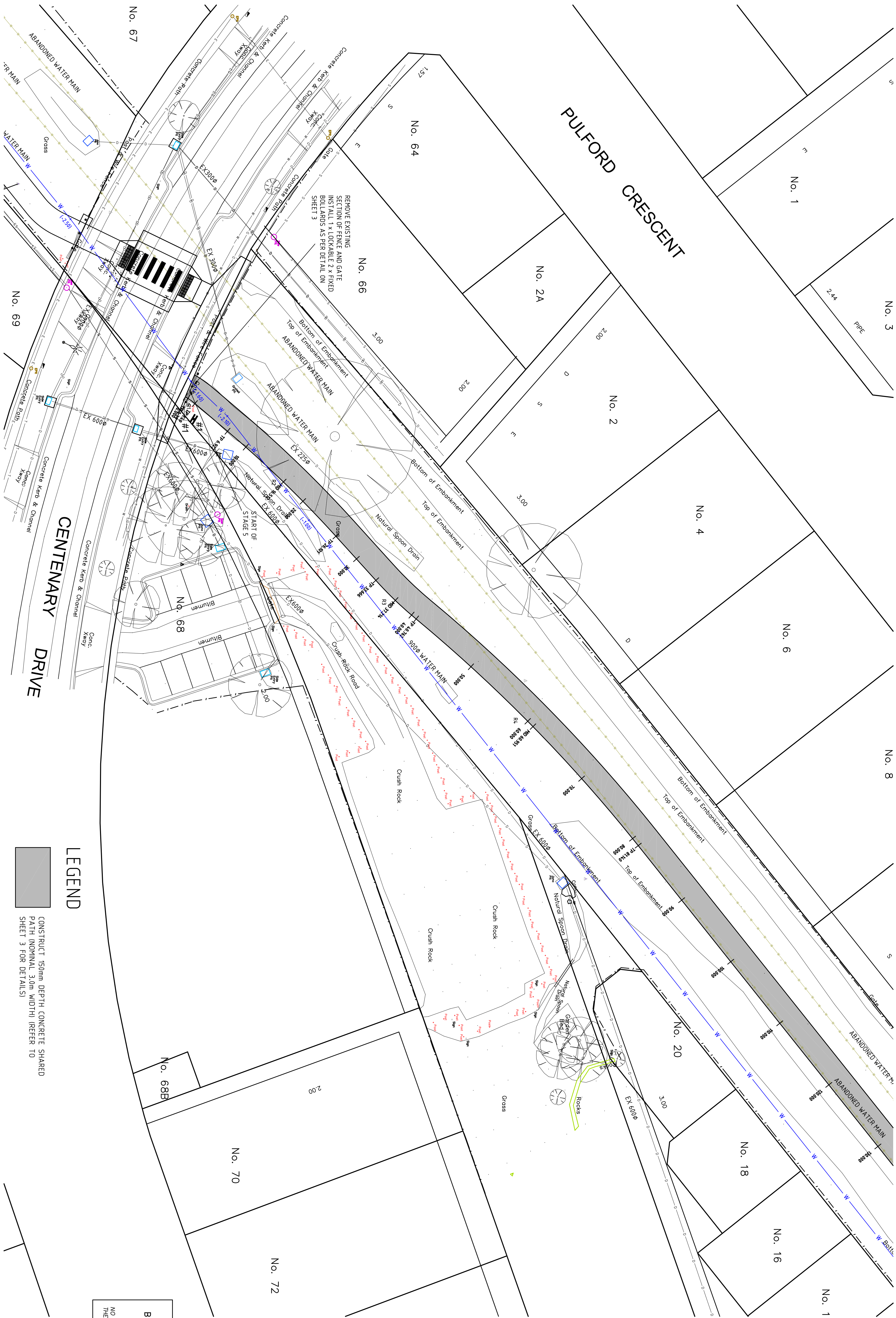
CIVIL ROAD SOLUTIONS P/L				SURVEYED BY:		PROJECT MANAGER		TEAM LEADER DESIGN & DELIVERY		CITY OF WHITTLESEA		DRAWING NO.	
60 Thompson Street, Avondale Heights, 3034				MOONLAND GROUP								A13297	
Phone: (03) 9331 4683, Mob: 0402 231310												Engineering File No.	
Email: rirmex@civlroadsolutions.com ABN 13 151 174 104													
DESIGNED RI						CAD FILE:		NAME:		DATE:			
DATE 25/3/2020						YAN YEAN 1295P1		DESIGN & DELIVERY TEAM MEMBER		APPROVED: MANAGER CITY DESIGN & TRANSPORT			
CHECKED TI								PEER CHECK					
DATE 25/3/2020				APPROVED RI				DATE:		NAME:			
DRAWN RI				DATE 25/3/2020		DATUM: A.H.D		NAME:		DATE:			
DATE 25/3/2020													
AMENDMENTS				REV									
REV				DATE									
DATE													

YAN YEAN PIPE TRACK	
CENTENARY DRIVE TO BUSH BLVD,	
MILLPARK – STAGE 5	
PROPOSED SHARED PATH	
ALIGNMENT PLAN	



CRS Dwg. No.		1297
CRS Revision No.		P2

CIVIL ROAD SOLUTIONS P/L				SURVEYED BY:		PROJECT MANAGER		TEAM LEADER DESIGN & DELIVERY		CITY OF WHITTLESEA		DRAWING NO.	
60 Thompson Street, Avondale Heights, 3034				MOONLAND GROUP								A13297	
Phone: (03) 9331 4683, Mob: 0402 231310												Engineering File No.	
Email: rimrex@civlroadsolutions.com ABN 13 151 174 104													
DESIGNED RI						CAD FILE:		NAME:		DATE:			
DATE 25/3/2020						YAN YEAN 129SP1		DESIGN & DELIVERY TEAM MEMBER		APPROVED: MANAGER CITY DESIGN & TRANSPORT			
CHECKED TI								PEER CHECK					
DATE 25/3/2020								DATE:		NAME:			
DRAWN RI										DATE:			
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LEGEND

CONSTRUCT 150mm DEPTH CONCRETE SHARED PATH (NOMINAL 3.0m WIDTH) (REFER TO SHEET 3 FOR DETAILS)

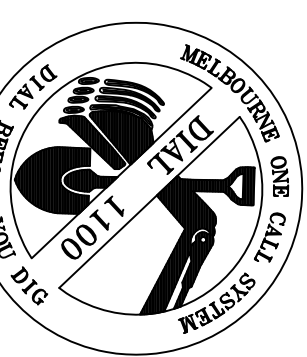
WARNING

BEWARE OF UNDERGROUND SERVICES

THE LOCATION OF UNDERGROUND SERVICES SHOWN ON THIS DRAWING IS FOR INFORMATION ONLY. NO GUARANTEE IS GIVEN THAT ALL SERVICES ARE SHOWN. THE CONTRACTOR MUST VERIFY ALL SERVICES ON SITE PRIOR TO ANY EXCAVATION WORKS.



CRS Dwg. No. 1297				CRS Revision No. P2			
CIVIL ROAD SOLUTIONS P/L				SURVEYED BY: MOONLAND GROUP			
60 Thompson Street, Avondale Heights, 3034 Phone: (03) 9331 4683, Mob: 0402 231310 Email: rimmer@civlroadsolutions.com ABN 13 151 174 104				PROJECT MANAGER			
DESIGNED RI DATE 25/3/2020				NAME: DATE:			
DRAWN RI DATE 25/3/2020				APPROVED: MANAGER CITY DESIGN & TRANSPORT			
AMENDMENTS				NAME: DATE:			
AMENDMENTS				NAME: DATE:			
DATE 25/3/2020				CITY OF WHITTLESEA			
DATE 25/3/2020				YAN YEAN PIPE TRACK			
DATE 25/3/2020				CENTENARY DRIVE TO BUSH BLVD,			
DATE 25/3/2020				MILLPARK – STAGE 5			
DATE 25/3/2020				PROPOSED SHARED PATH			
DATE 25/3/2020				DETAIL PLAN			
DATE 25/3/2020				DRAWING NO. A13297			
DATE 25/3/2020				Engineering File No.			
DATE 25/3/2020				SCALE 1:250			
DATE 25/3/2020				SHEET 9 OF 25			



WARNING

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LEGEND

CONSTRUCT 150mm DEPTH CONCRETE SHARED
PATH (NOMINAL 3.0m WIDTH) (REFER TO
SHEET 3 FOR DETAILS)

CIVIL ROAD SOLUTIONS P/L

60 Thompson Street, Avondale Heights, 3034
Phone: (03) 9331 4683, Mob: 0402 231310
Email: rirmrek@civillroadsolutions.com ABN 13 151 174 104

DESIGNED RI	CHECKED TI
DATE 25/3/2020	DATE 25/3/2020

DRAWN RI	APPROVED RI
DATE 25/3/2020	DATE 25/3/2020

SURVEYED BY:
MOONLAND GROUP

CAD FILE:
YAN YEAN 1295P1

DATUM: A.H.D

PROJECT MANAGER

NAME:	DATE:
DESIGN & DELIVERY TEAM MEMBER	
PEER CHECK	

TEAM LEADER DESIGN & DELIVERY

NAME:	DATE:
APPROVED: MANAGER CITY DESIGN	
TRANSPORT	

CITY OF WHITTLESEA

YAN YEAN PIPE TRACK
CENTENARY DRIVE TO BUSH BLVD
MILLPARK - STAGE 5
PROPOSED SHARED PATH
DETAIL PLAN

DRAWING NO.
A13297

Engineering File 1

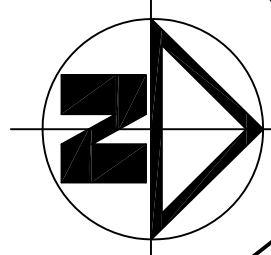
SCALE 1:250
PA1

SHEET 10 OF 10

CIVIL ROAD SOLUTIONS

AGN 131 151 174 104

60 Thompson Street, Avondale Heights, 3054
Phone: (03) 9331 4683, Fax: (03) 9331 3171
Mob: 0402 231310
Email: rirmek@civillroadsolutions.com



BRABHAM
DRIVE

ROMEO COURT

No. 25

No. 27

No. 29

No. 31

No. 33

No. 31

No. 37

No. 15

No. 16

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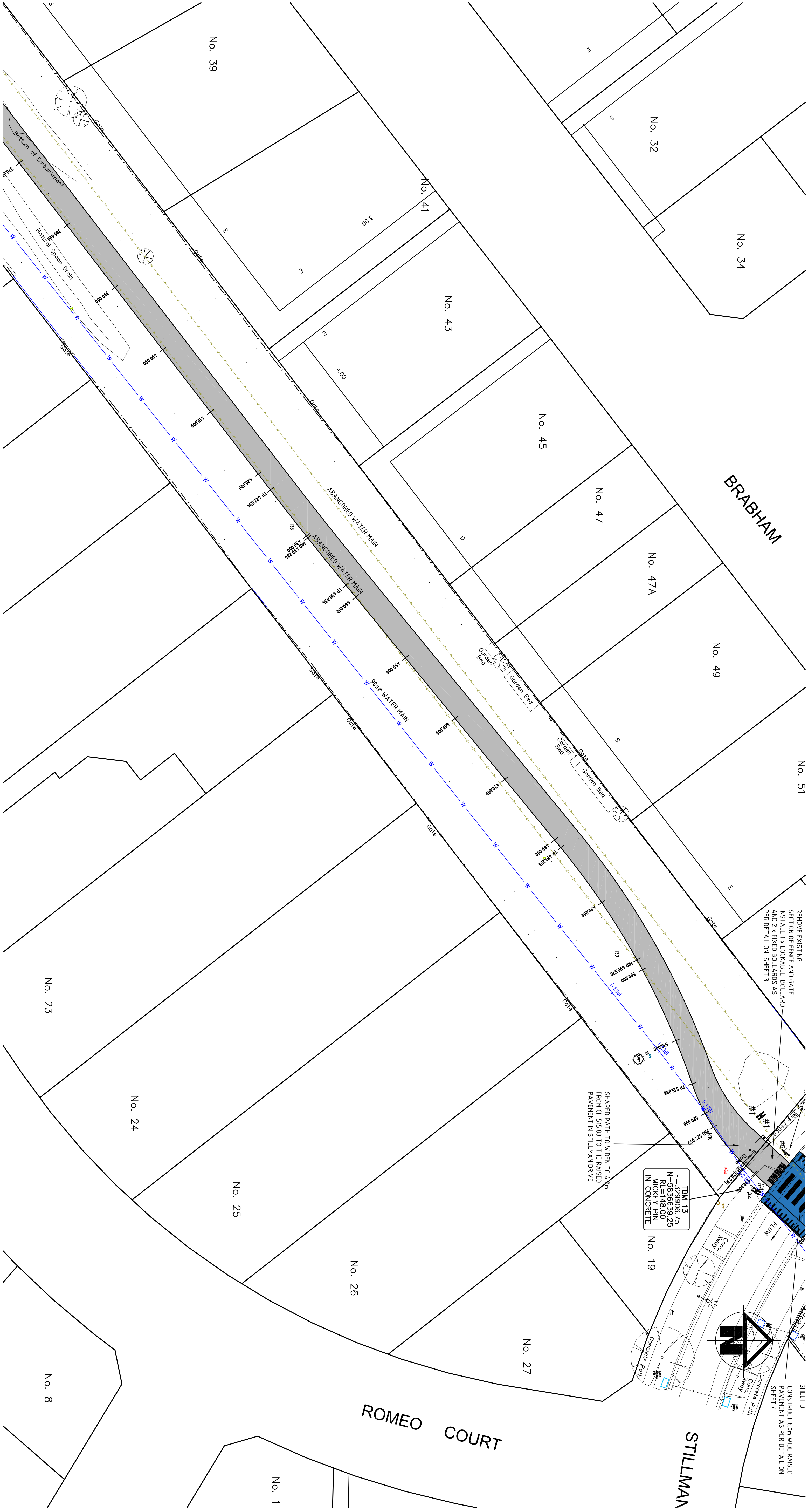
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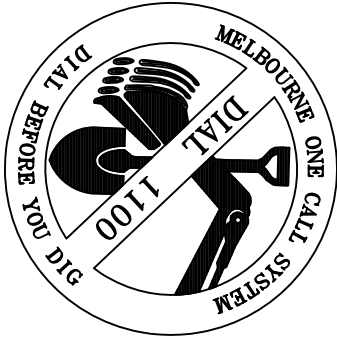
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WARNING
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LEGEND
CONSTRUCT 150mm DEPTH CONCRETE SHARED PATH (NOMINAL 3.0m WIDTH) (REFER TO SHEET 3 FOR DETAILS)

CIVIL ROAD SOLUTIONS P/L
60 Thompson Street, Avondale Heights, 3034
Phone: (03) 9331 4683, Mob: 0402 231310
Email: rimrex@civilroadsolutions.com ABN 13 151 174 104

SURVEYED BY:
MOONLAND GROUP

CAD FILE:
YAN YEAN 129SP1

DATUM: A.H.D

PROJECT MANAGER

NAME:
DESIGN & DELIVERY TEAM MEMBER

NAME:
PEER CHECK

TEAM LEADER DESIGN & DELIVERY

NAME:
APPROVED MANAGER CITY DESIGN & TRANSPORT

NAME:
DATE:

CITY OF WHITTLESEA

**YAN YEAN PIPE TRACK
CENTENARY DRIVE TO BUSH BLVD,
MILLPARK – STAGE 5
PROPOSED SHARED PATH
DETAIL PLAN**

CIVIL ROAD SOLUTIONS
ABN 13 151 174 104
60 Thompson Street, Avondale Heights, 3034
Phone: (03) 9331 4683, Fax: (03) 9331 3179
Mob: 0402 231310
Email: rimrex@civilroadsolutions.com

CRS Dwg No. 1297

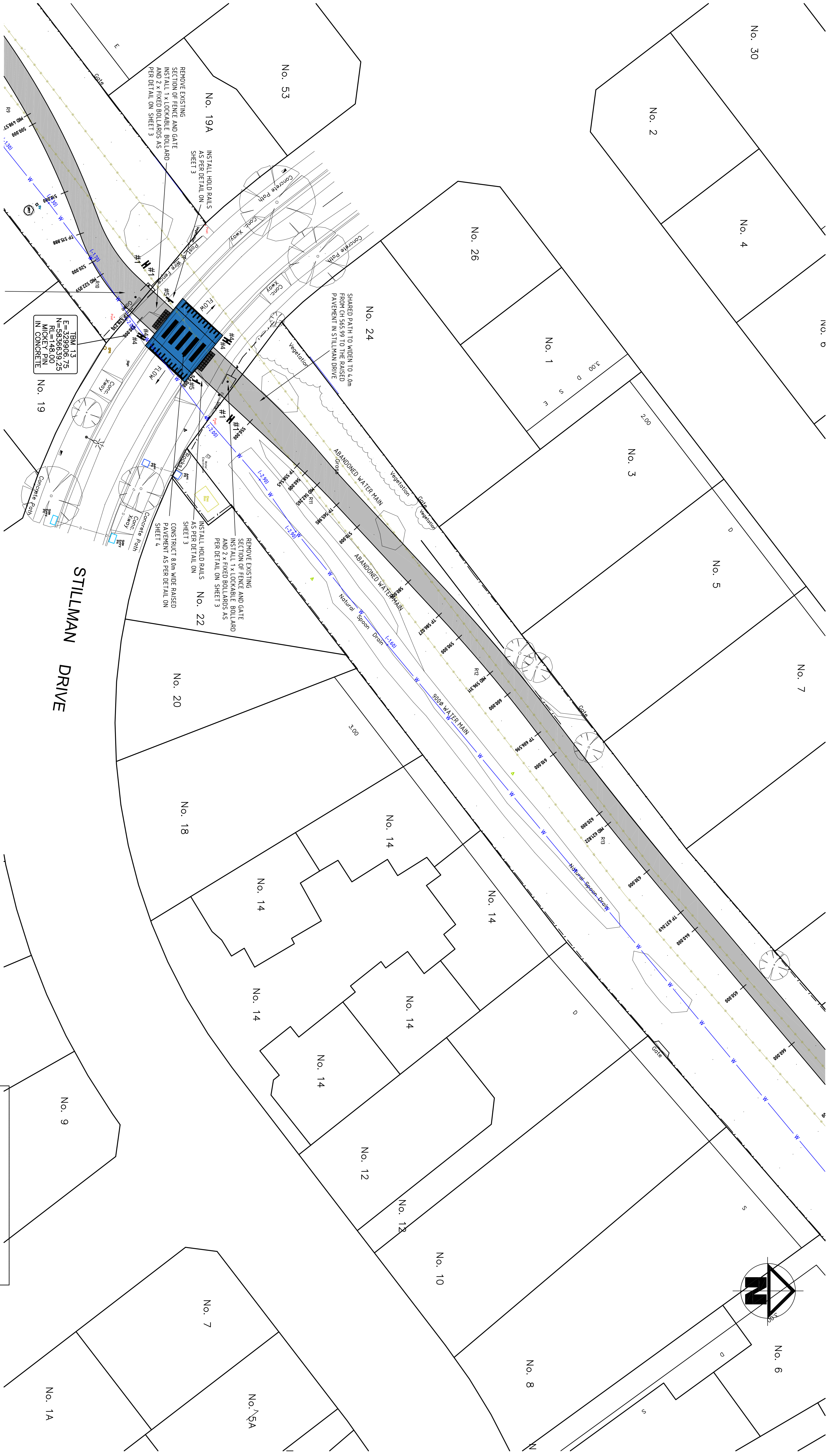
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DRAWING NO. **A13297**

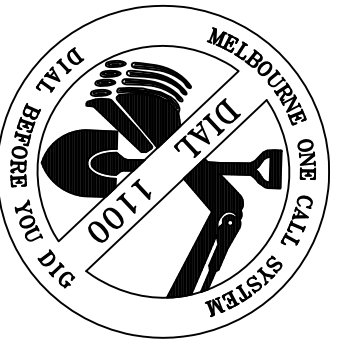
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SCALE 1:250

SHEET 11 OF 25



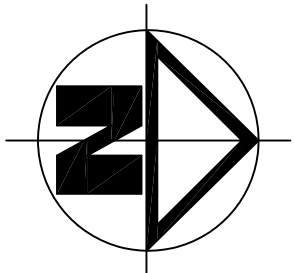
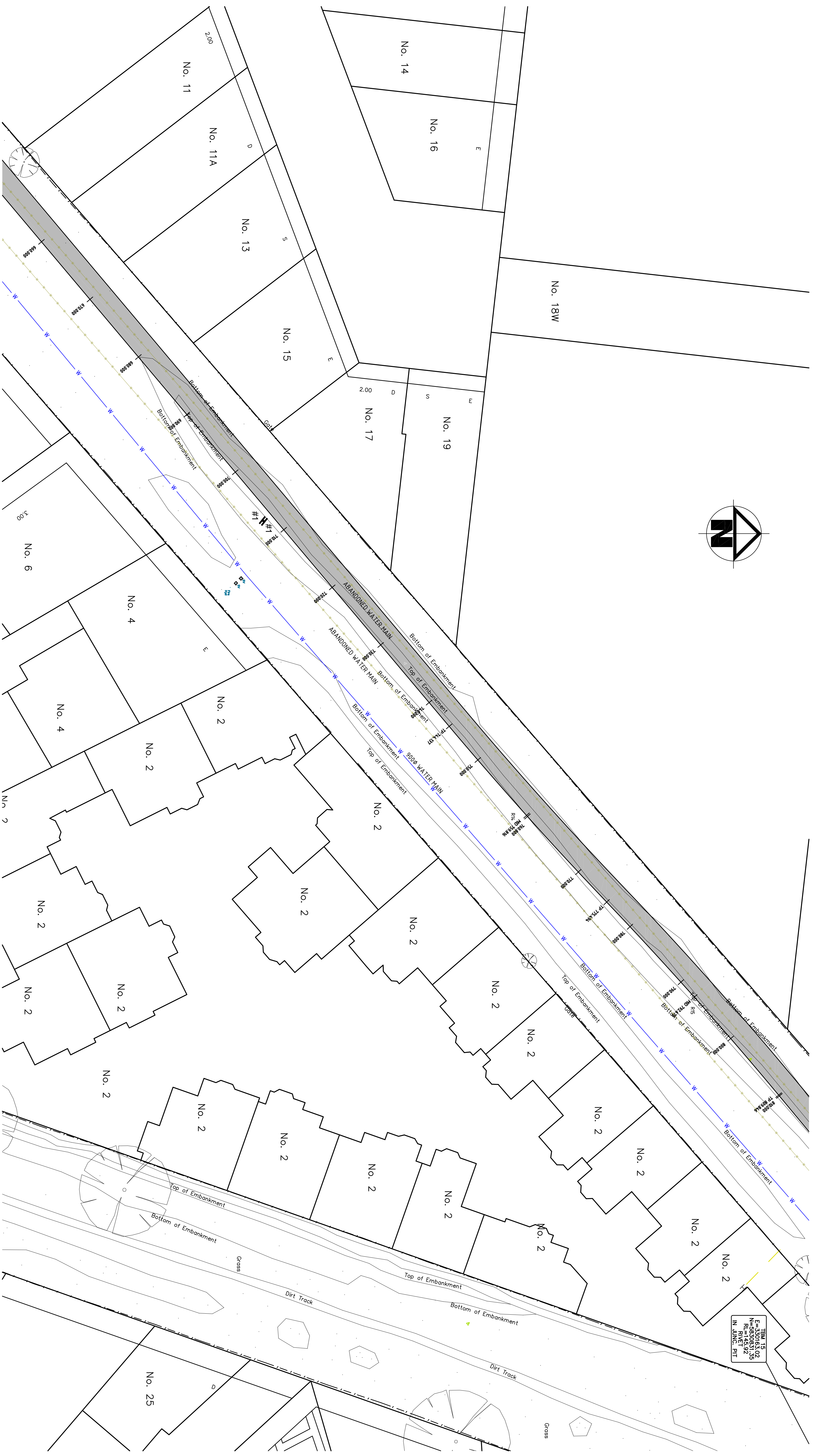
WARNING
BWARE OF UNDERGROUND SERVICES
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LEGEND
CONSTRUCT 150mm DEPTH CONCRETE SHARED PATH NOMINAL 3.0m WIDTH (REFER TO SHEET 3 FOR DETAILS)

CIVIL ROAD SOLUTIONS
ABN 13 151 174 104
60 Thompson Street, Avondale Heights, 3034
Phone: (03) 9331 4683, Fax: (03) 9331 3179
Email: rimre@civilroadsolutions.com

CIVIL ROAD SOLUTIONS P/L				SURVEYED BY: MOONLAND GROUP		PROJECT MANAGER		TEAM LEADER DESIGN & DELIVERY		CITY OF WHITTLESEA		DRAWING NO. A13297	
60 Thompson Street, Avondale Heights, 3034 Phone: (03) 9331 4683, Mob: 0402 231310 Email: rimre@civilroadsolutions.com ABN 13 151 174 104				NAME: YAN YEAN 1295P1		NAME: PEER CHECK		NAME: TRANSPORT		YAN YEAN PIPE TRACK CENTENARY DRIVE TO BUSH BLVD, MILLPARK – STAGE 5 PROPOSED SHARED PATH DETAIL PLAN		Engineering File No.	
DESIGNED RI DATE: 25/3/2020				CHECKED TI DATE: 25/3/2020		DATE:		DATE:		SCALE 1:250		SHEET 12 OF 25	
DRAWN RI DATE: 25/3/2020				APPROVED RI DATE: 25/3/2020		NAME:		DATE:		CRS Dwg No.		1297	
AMENDMENTS				AMENDMENTS		NAME:		DATE:		CRS Revision No.		P2	
DATE				REV		DATE		DATE		DATE		DATE	



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WARNING

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.



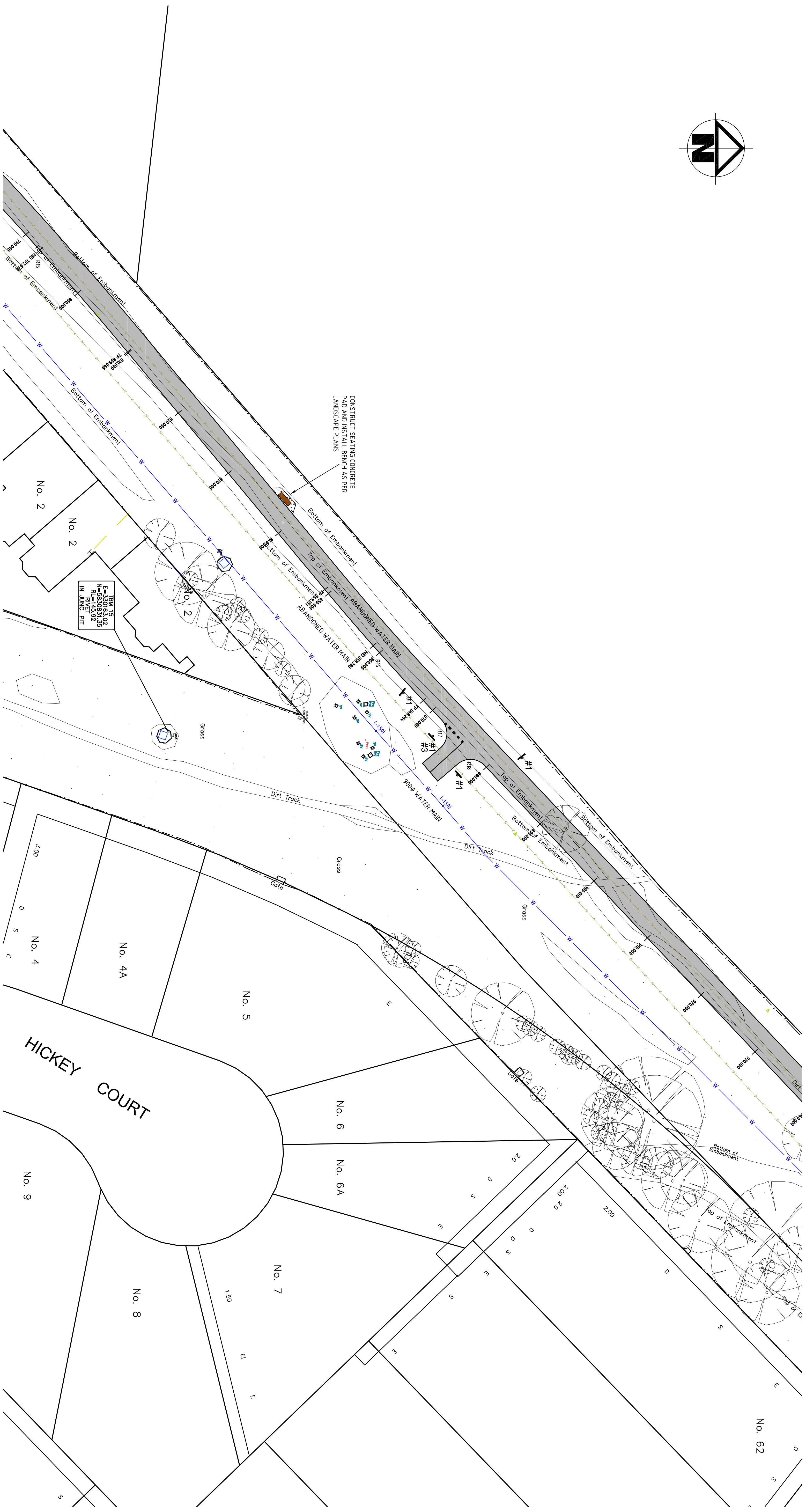
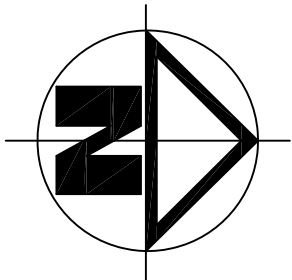
LEGEND

CONSTRUCT 150mm DEPTH CONCRETE SHARED
PATH (NOMINAL 3.0m WIDTH) (REFER TO
SHEET 3 FOR DETAILS)

CIVIL ROAD SOLUTIONS

60 Thompson Street, Avondale Heights, 3034
Phone: (03) 9331 4683, Fax: (03) 9331 317
Mob: 0402 231310
Email: rirmrek@civillroadsolutions.com

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WARNING

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LEGEND

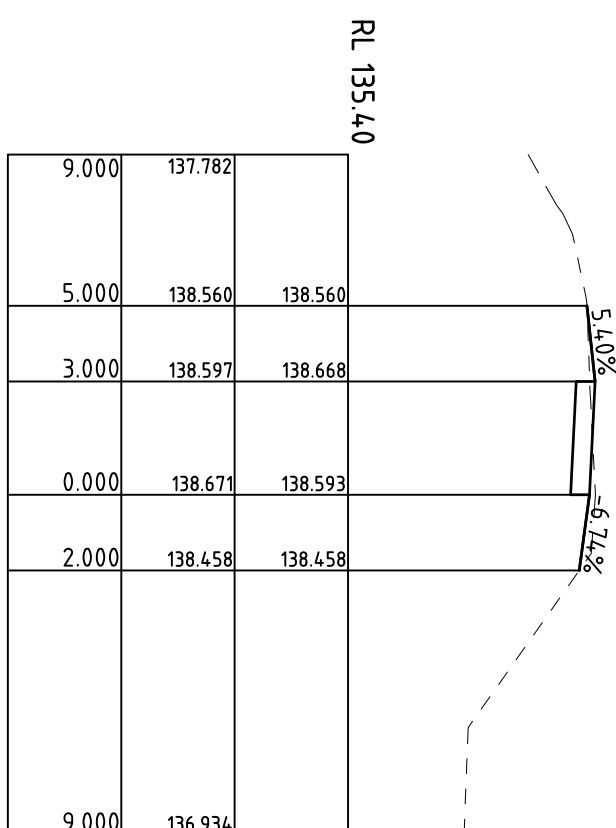
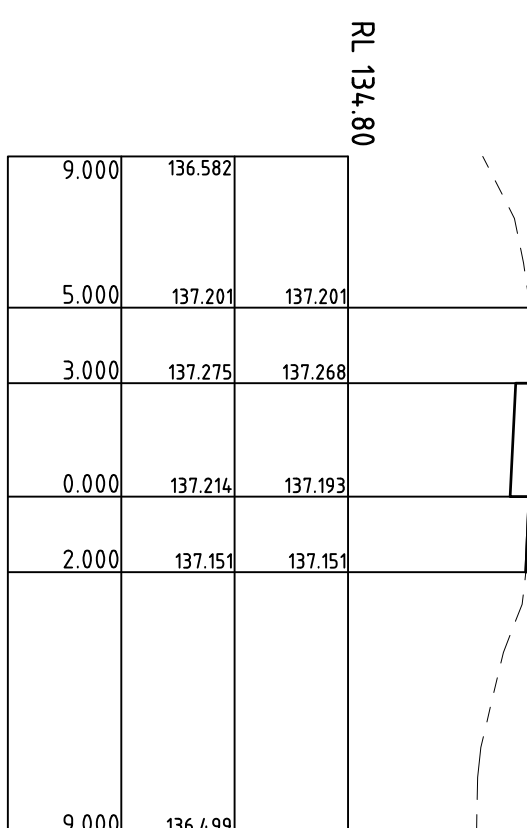
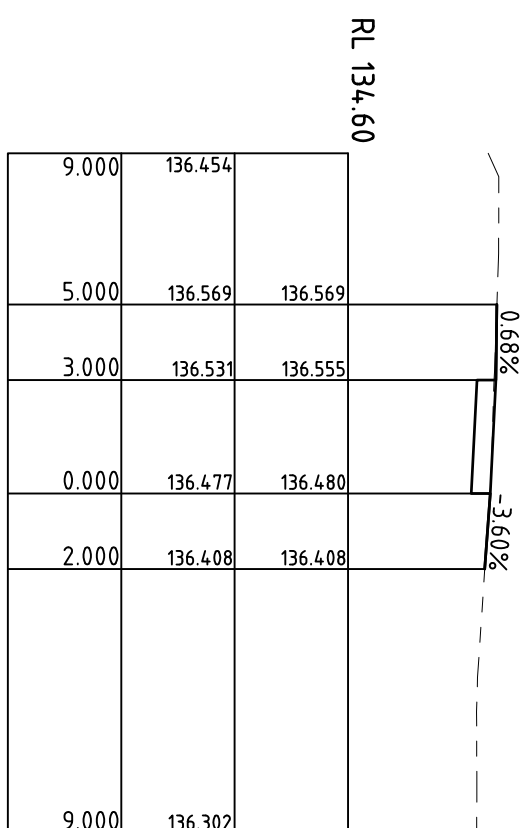
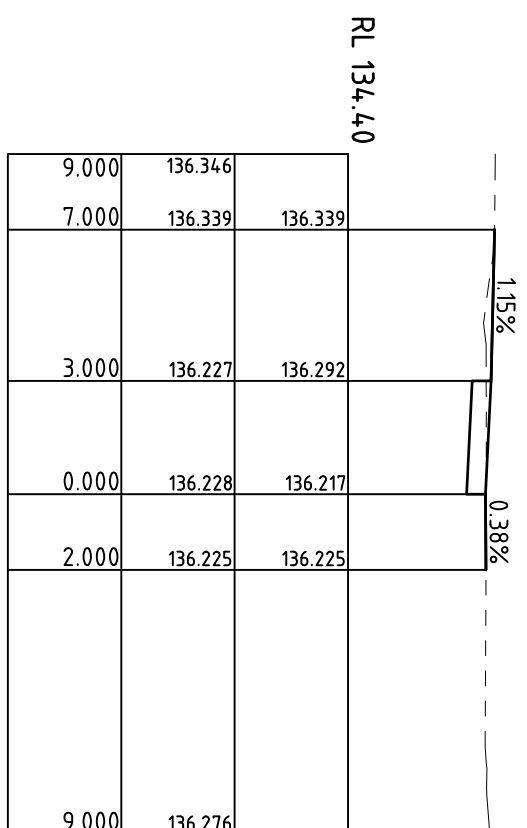
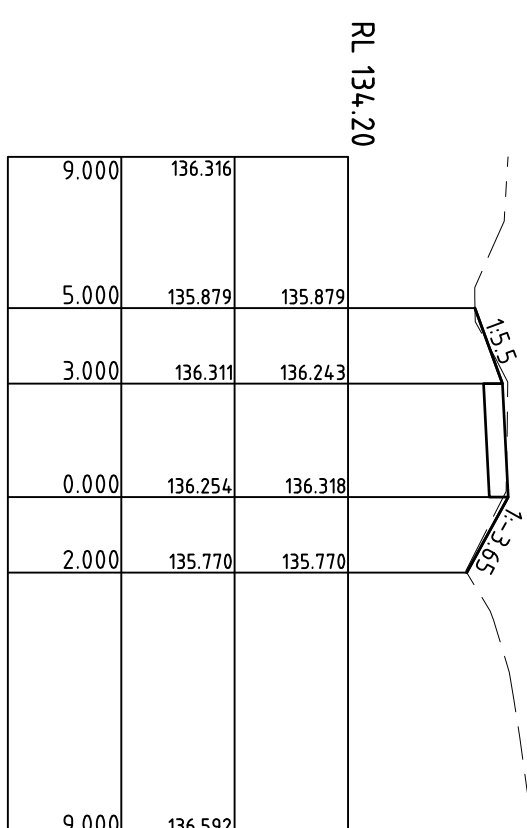
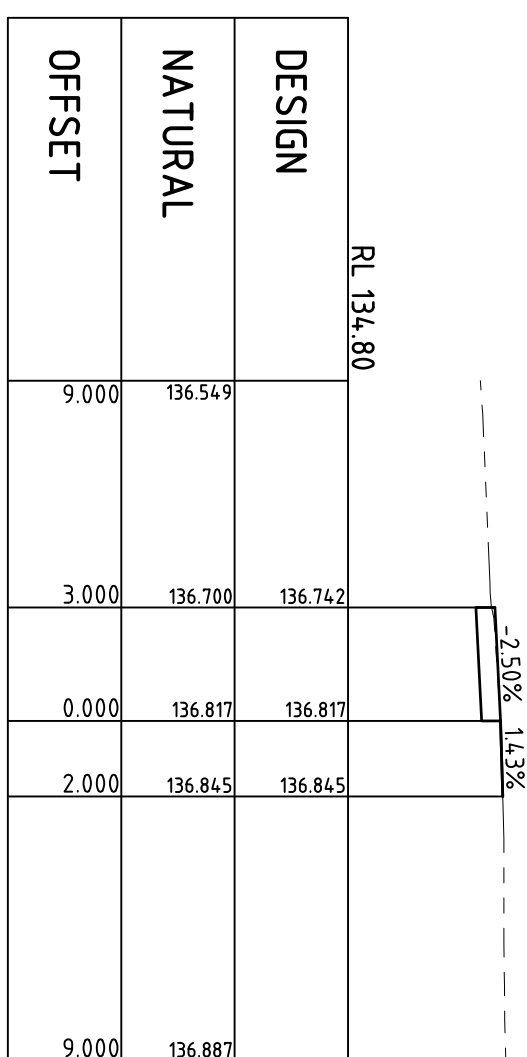
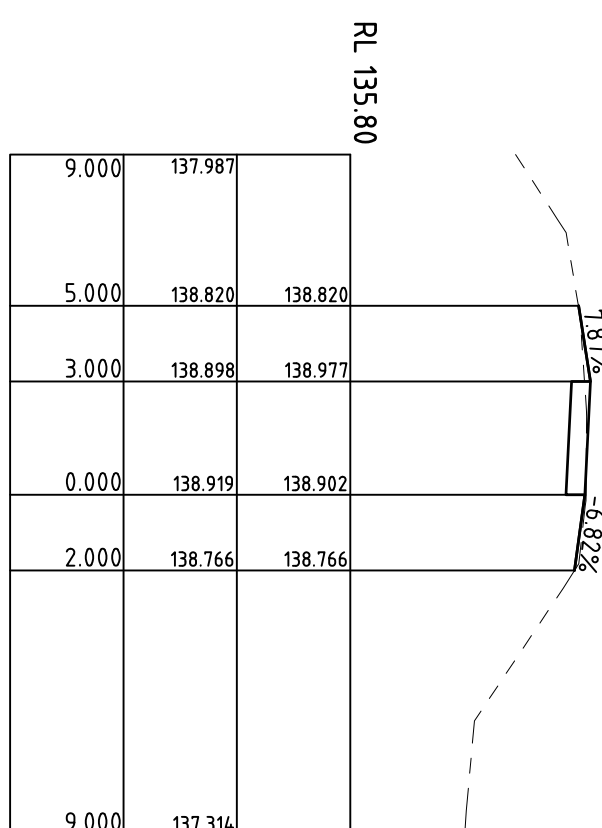
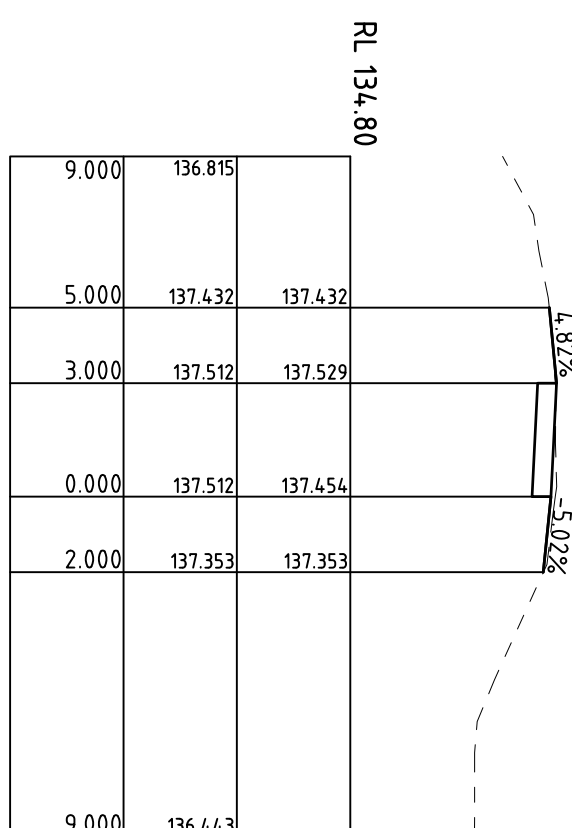
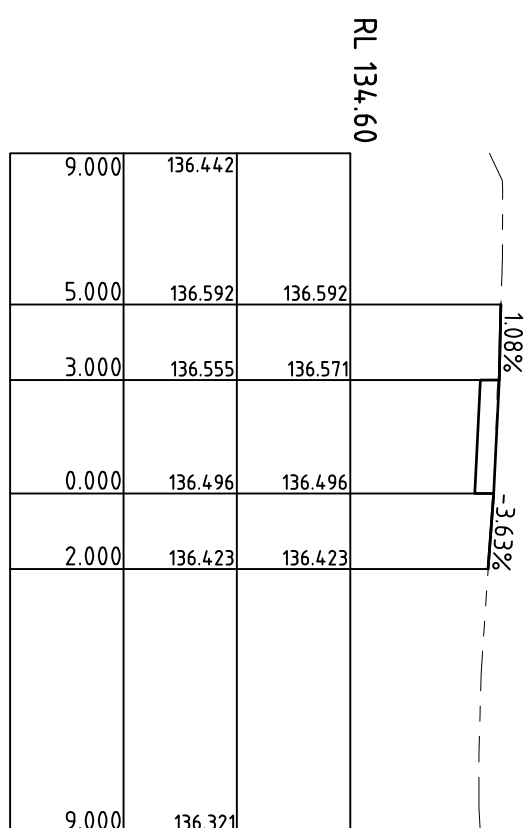
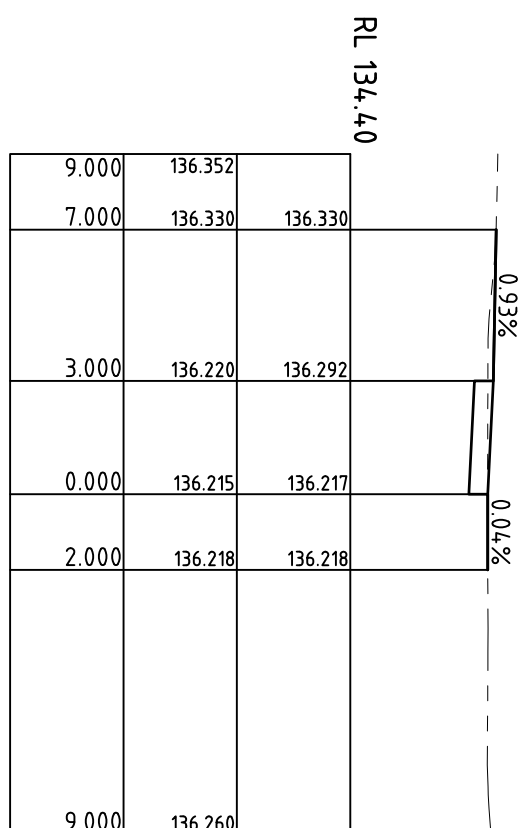
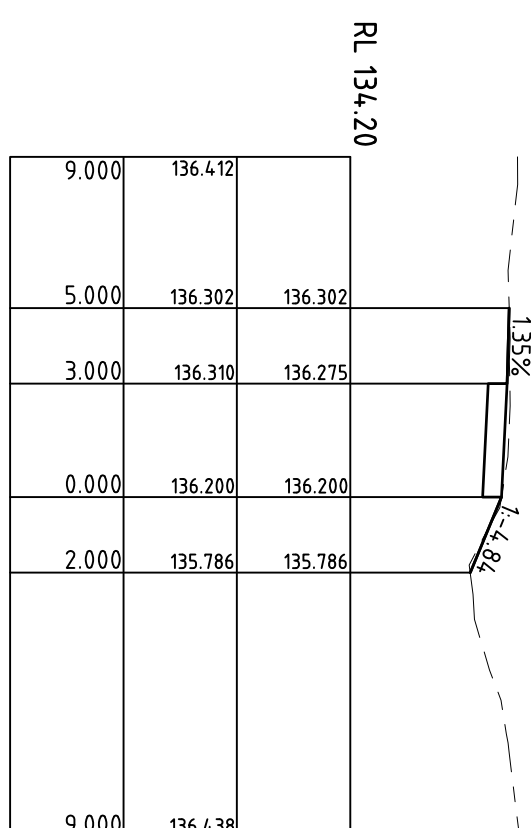
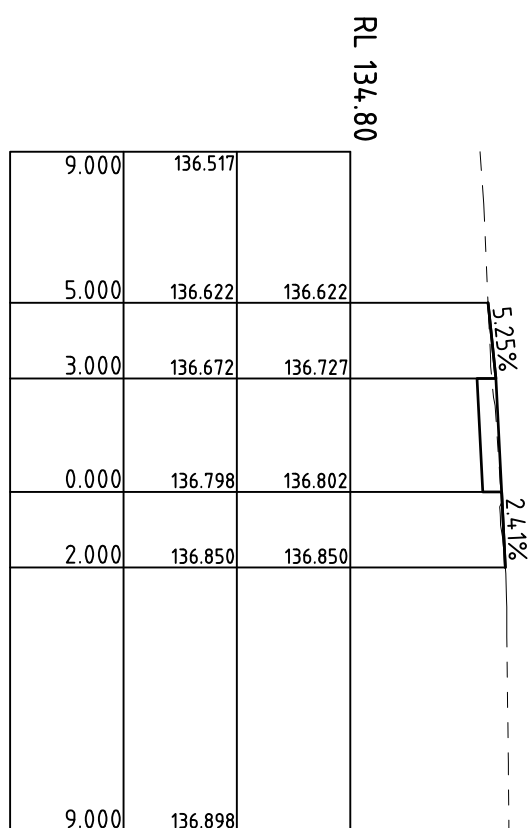
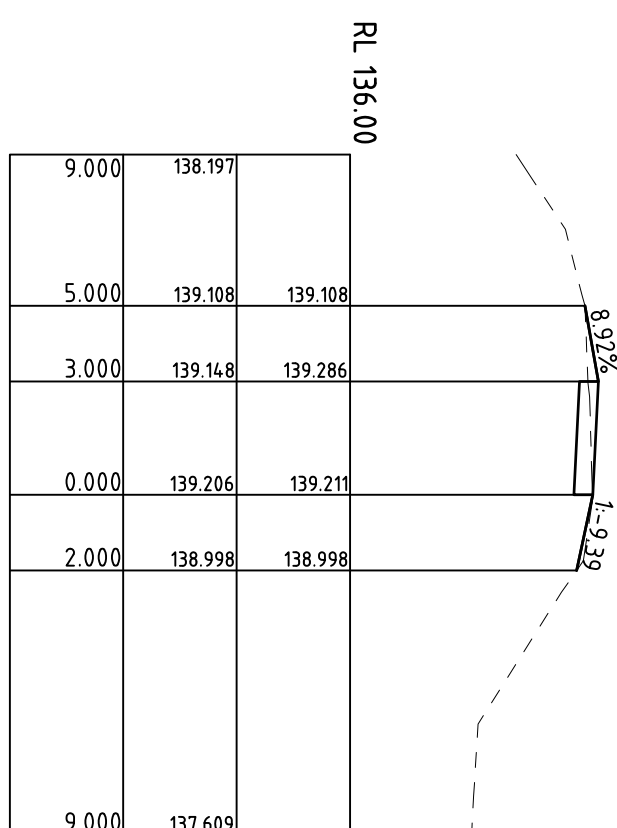
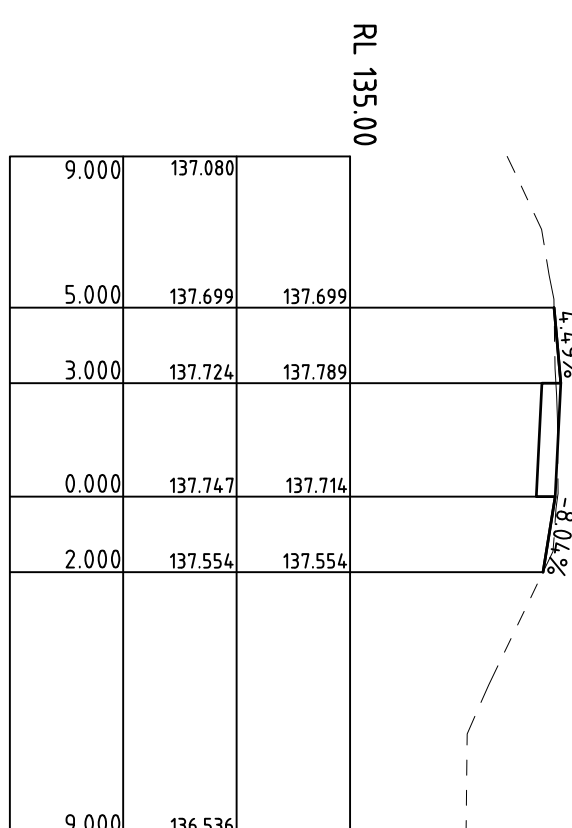
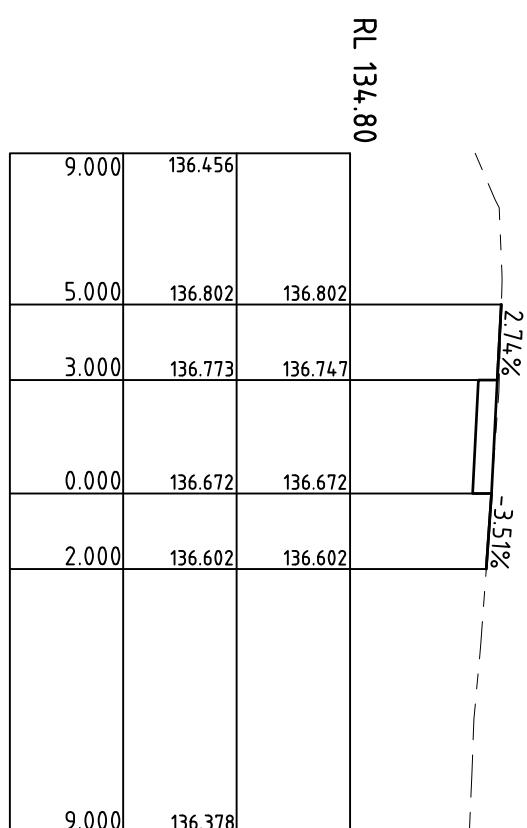
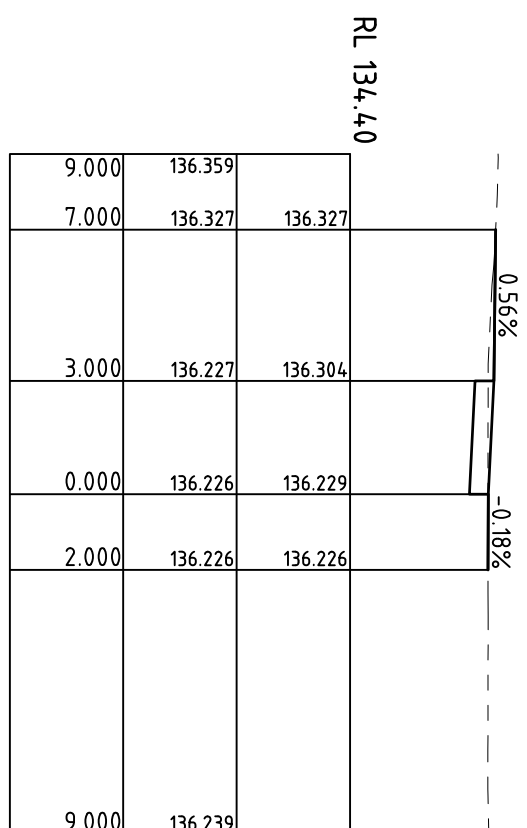
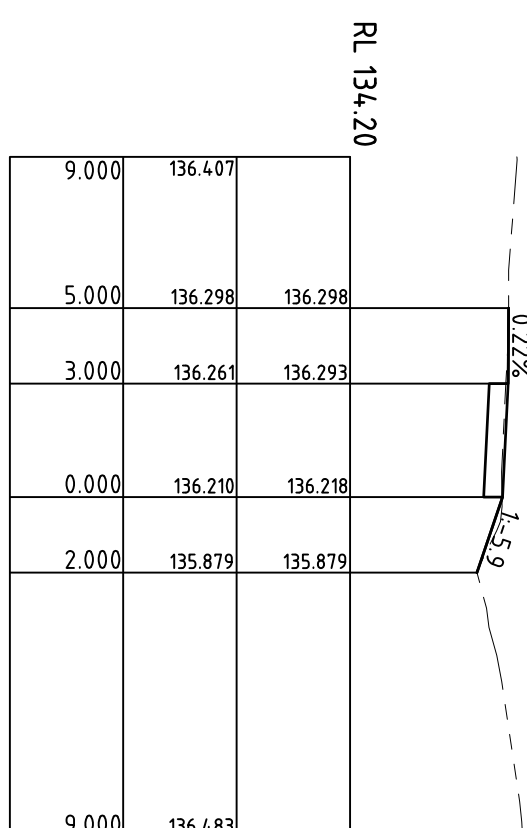
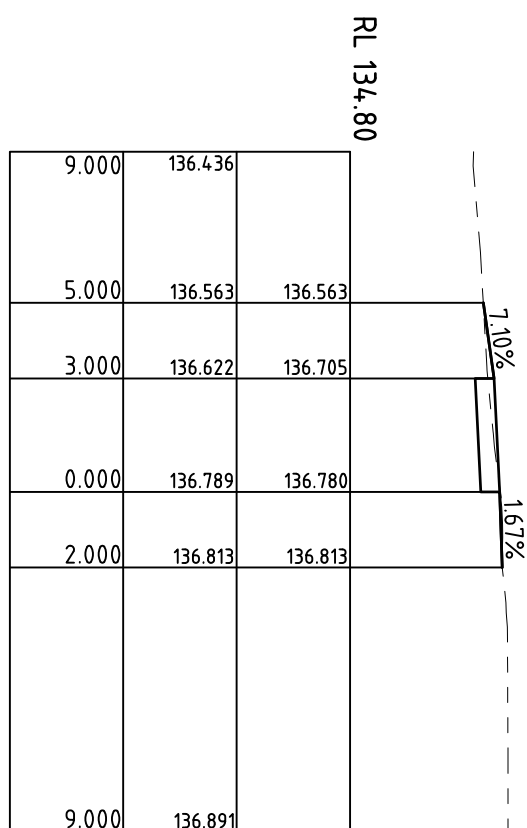
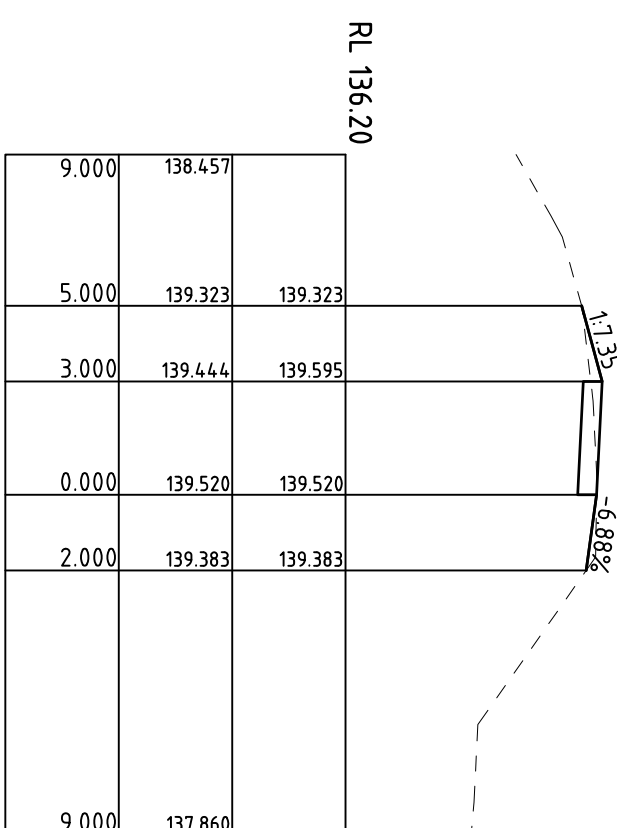
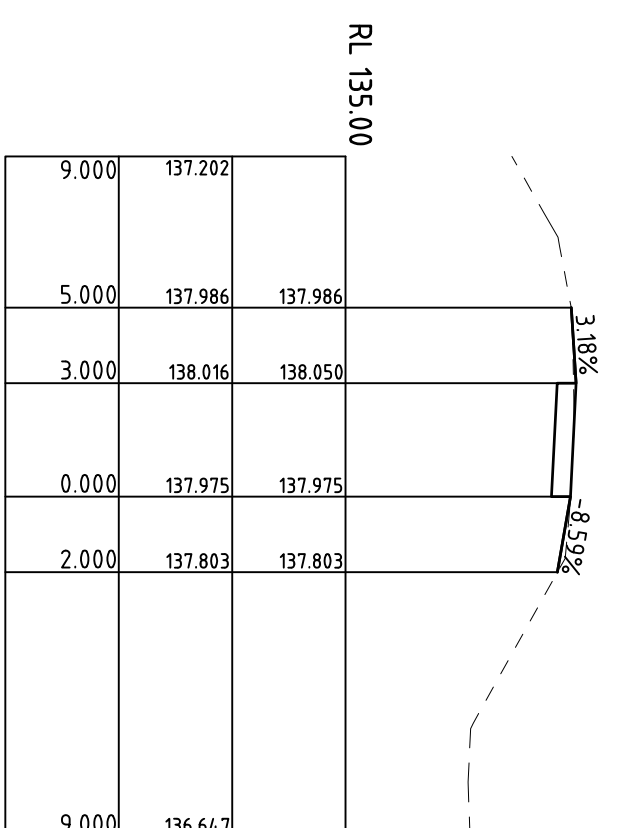
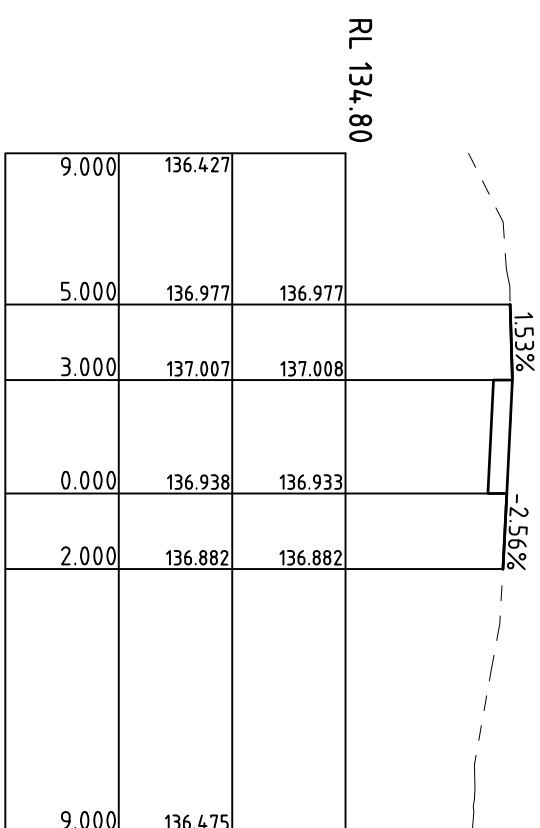
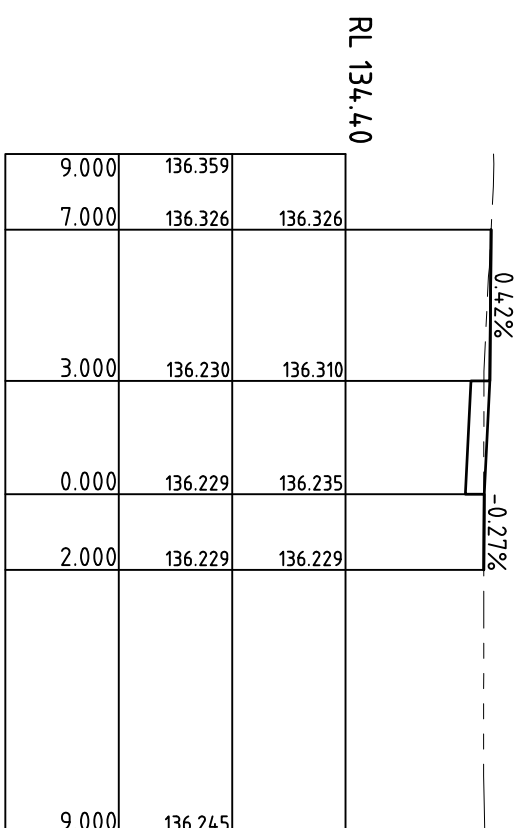
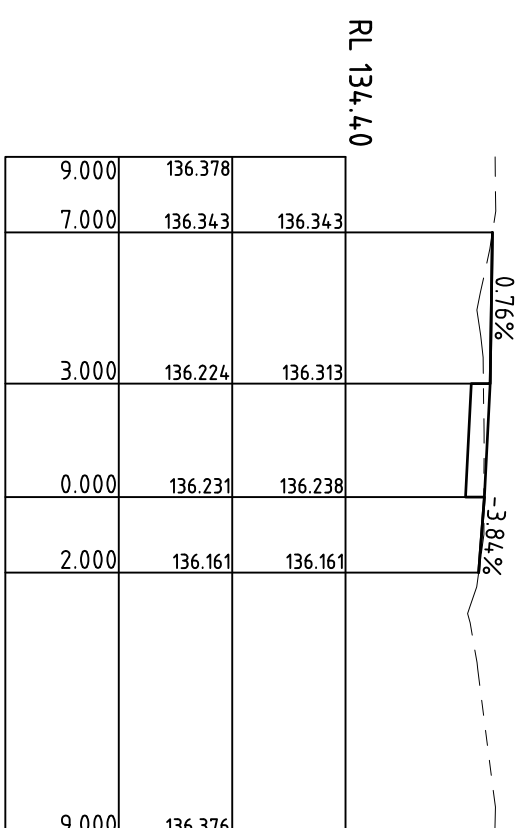
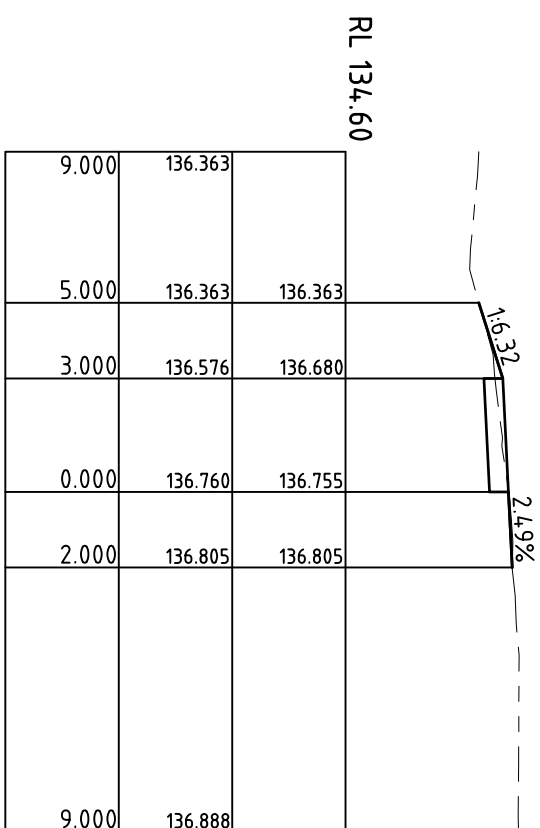
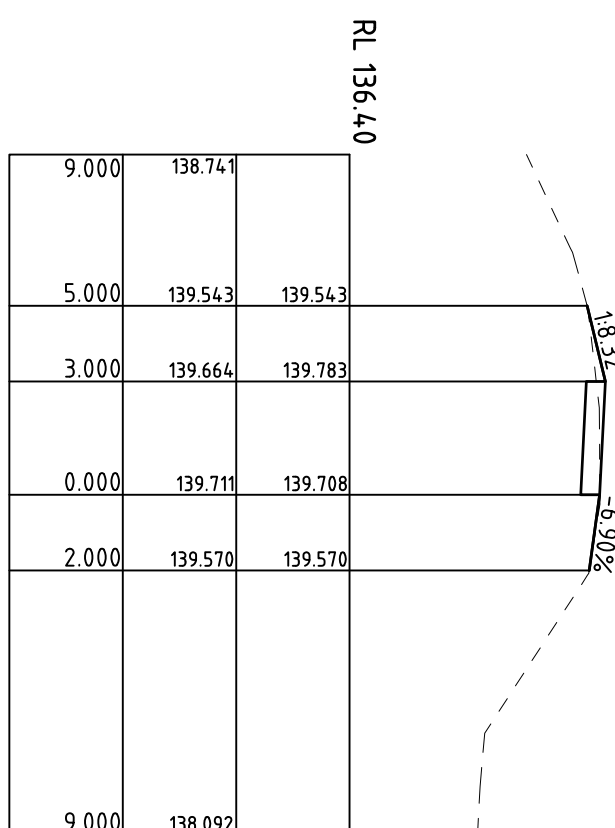
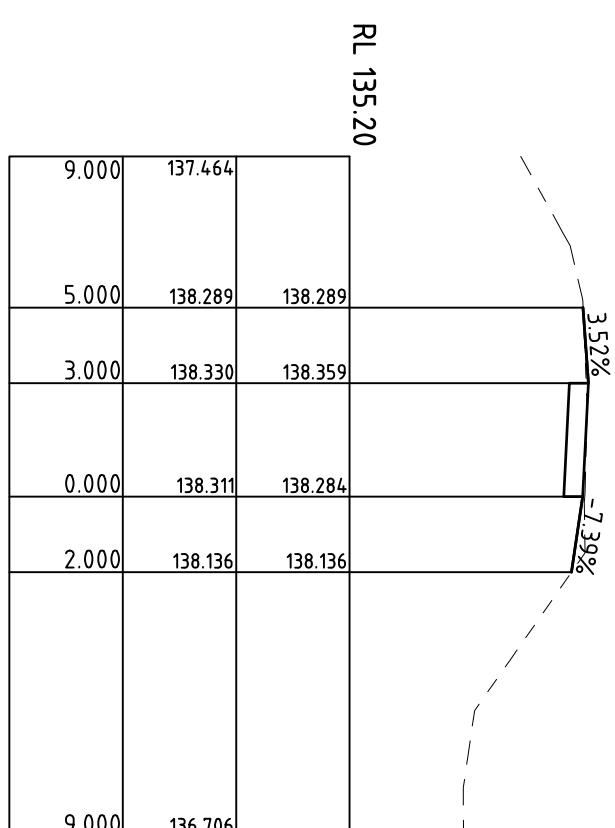
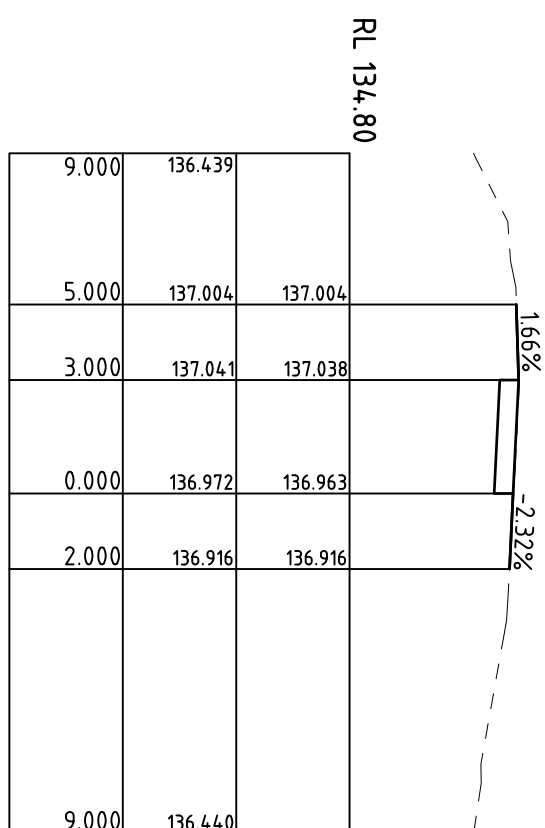
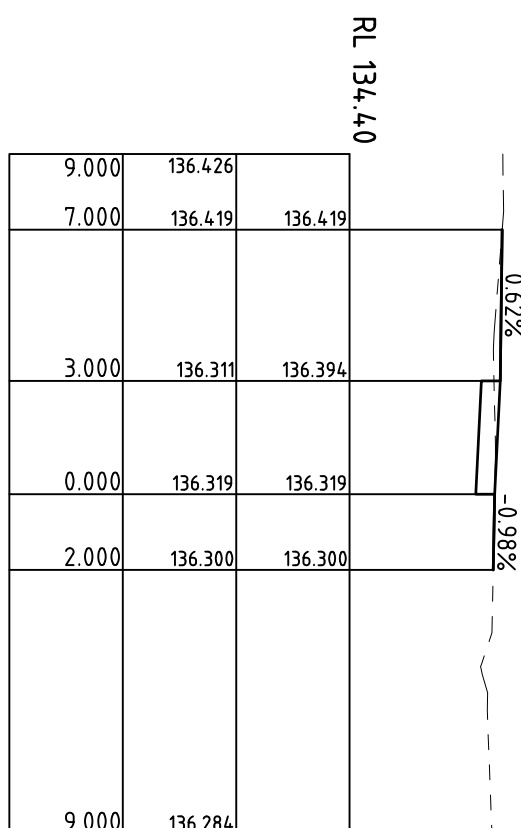
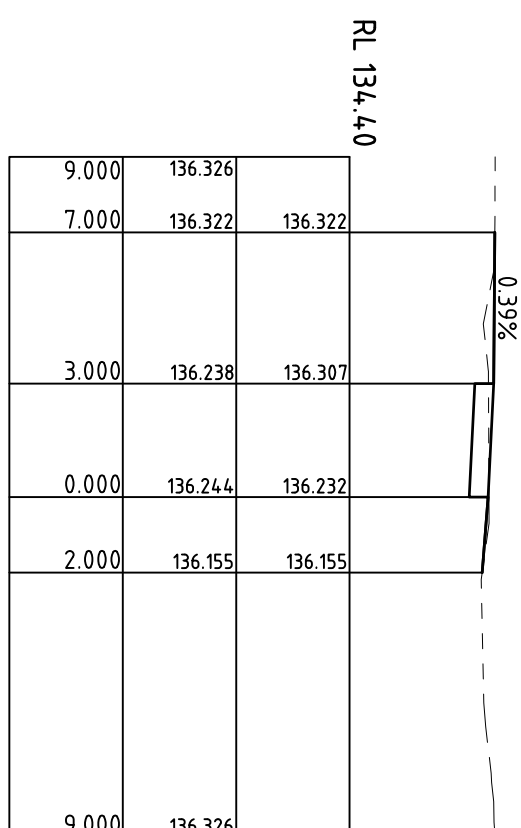
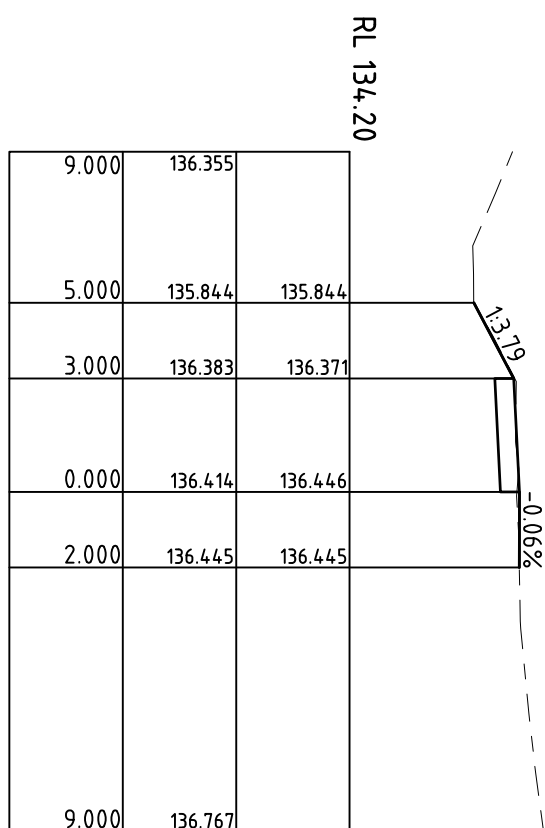
CONSTRUCT 150mm DEPTH CONCRETE SHARED PATH (NOMINAL 3.0m WIDTH) (REFER TO SHEET 3 FOR DETAILS)

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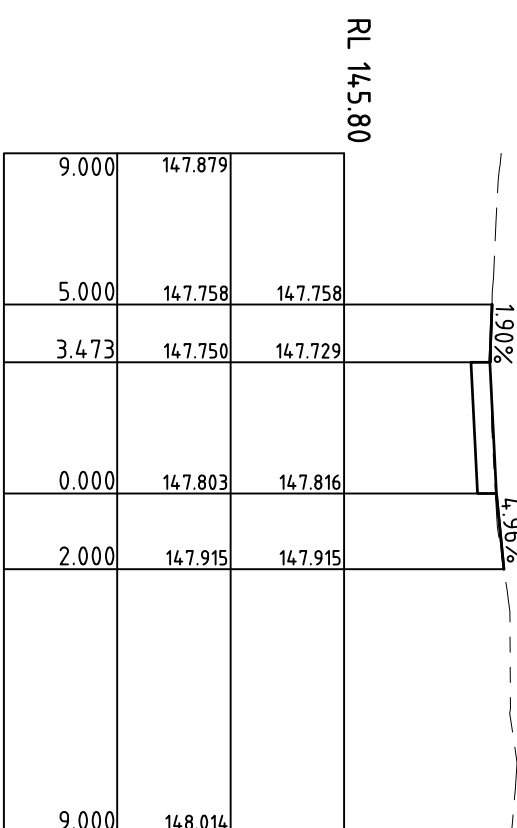
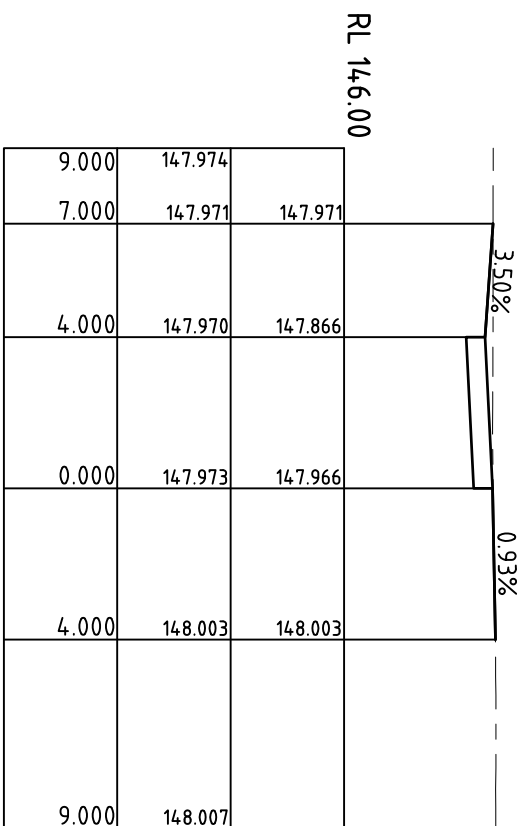
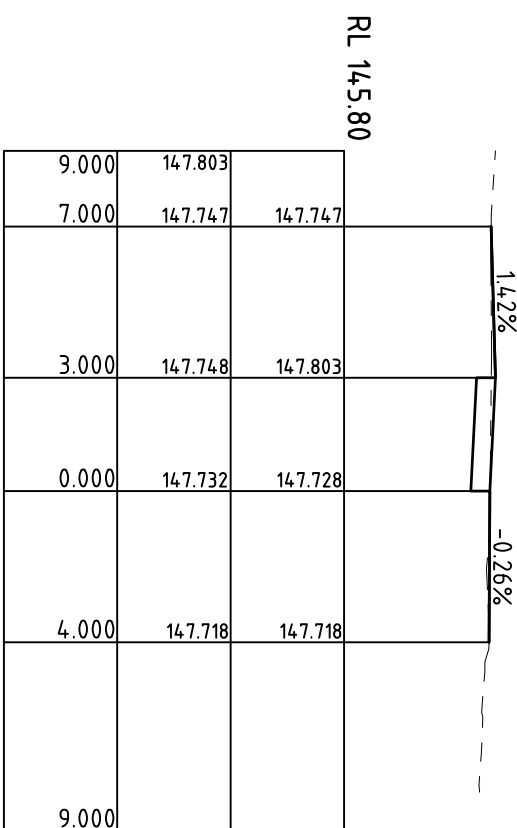
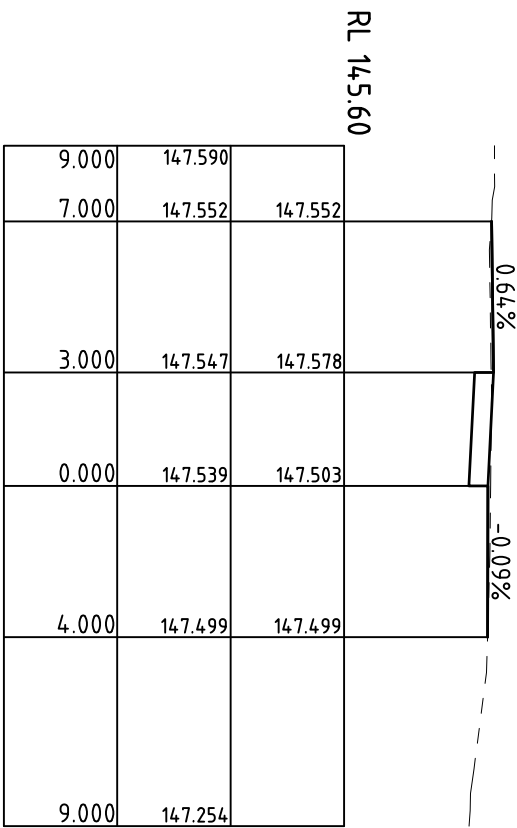
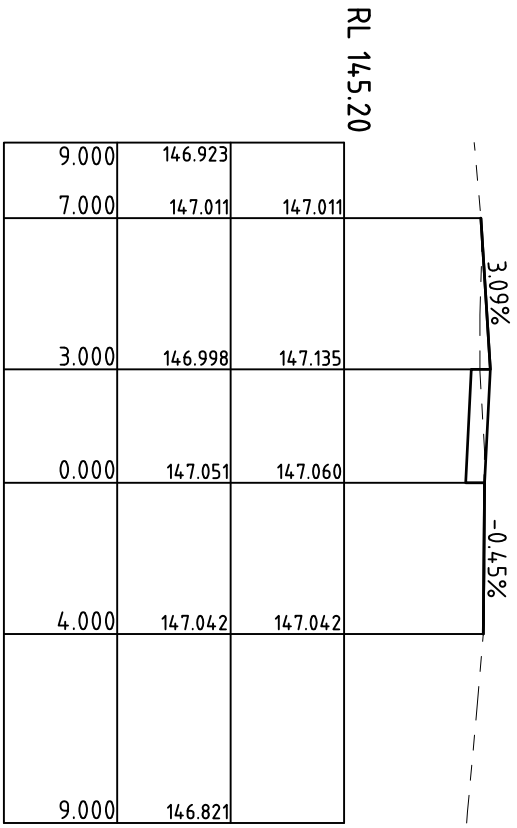
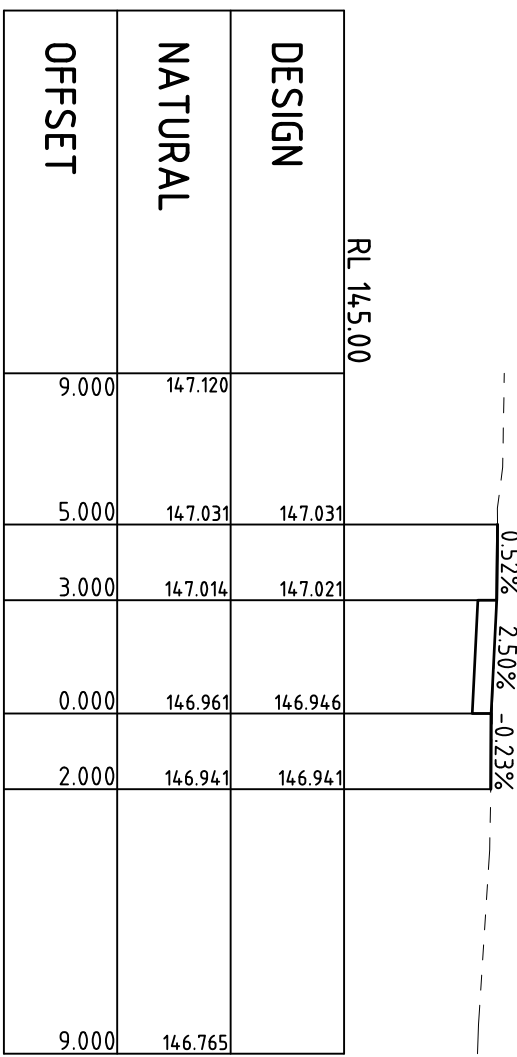
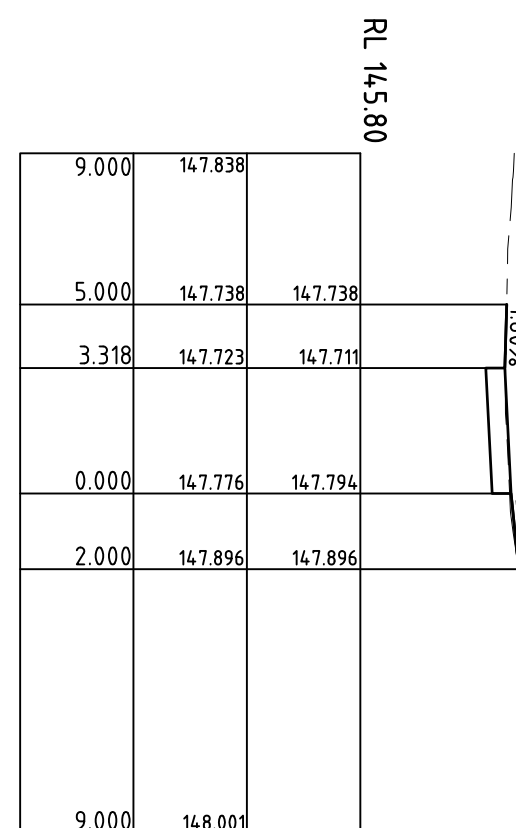
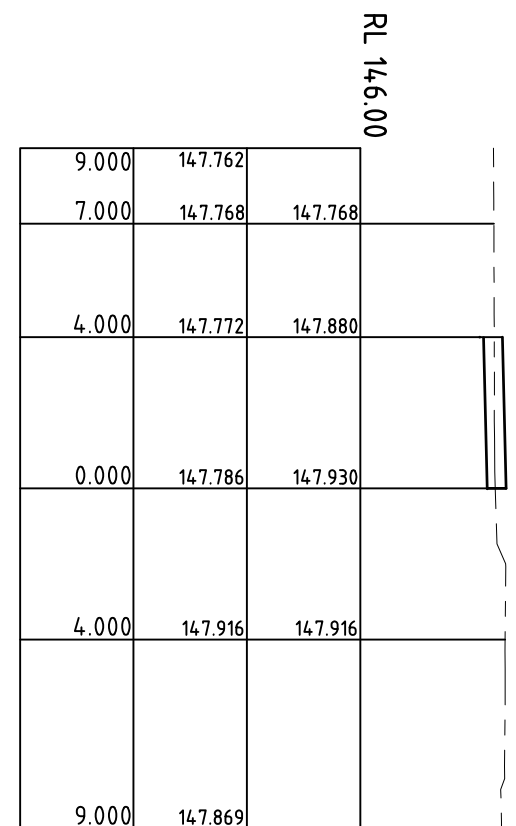
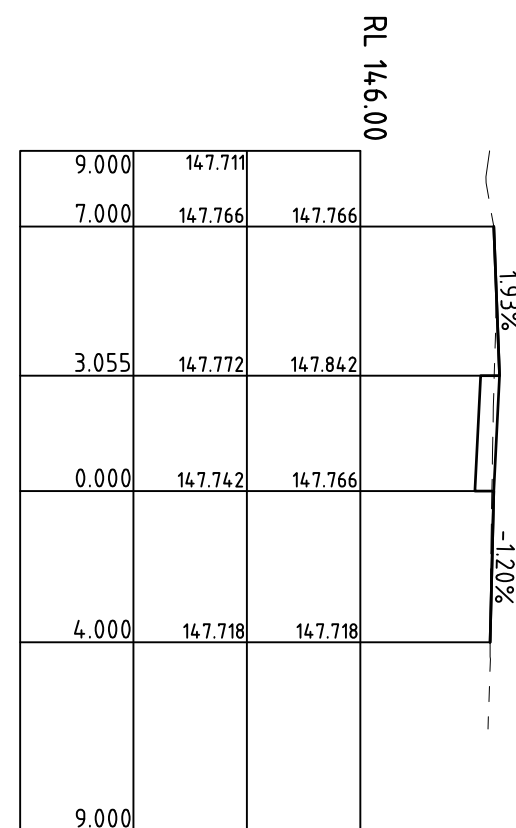
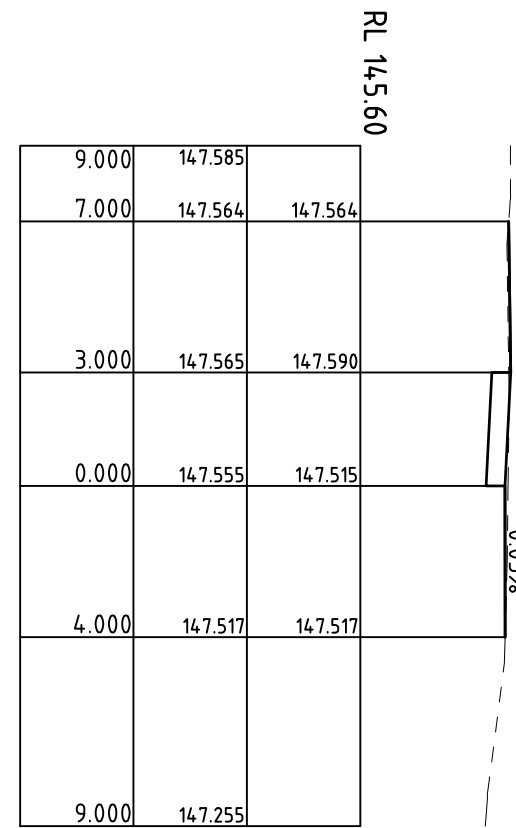
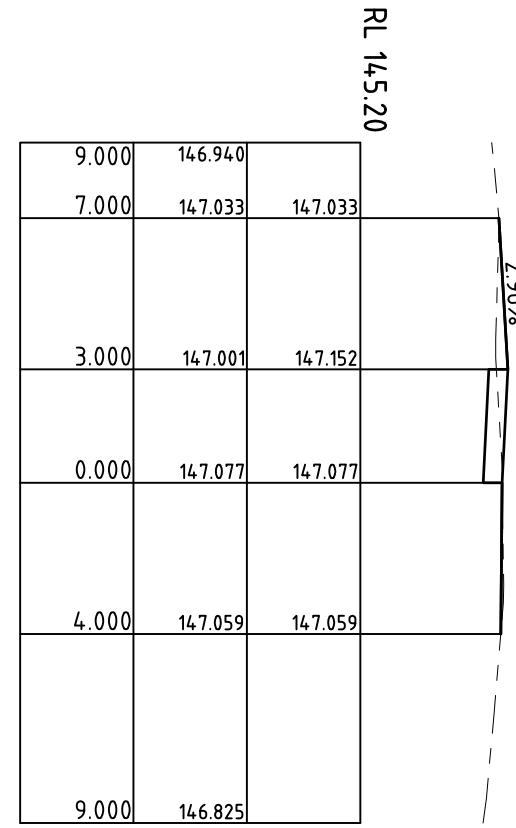
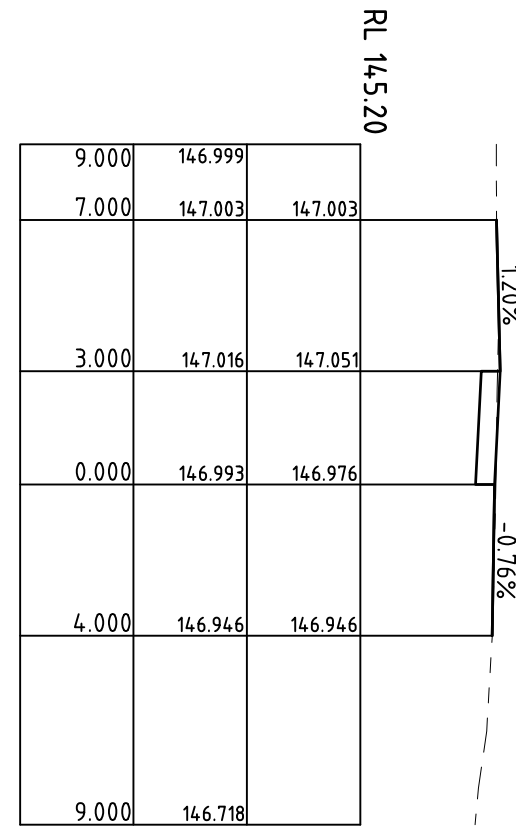
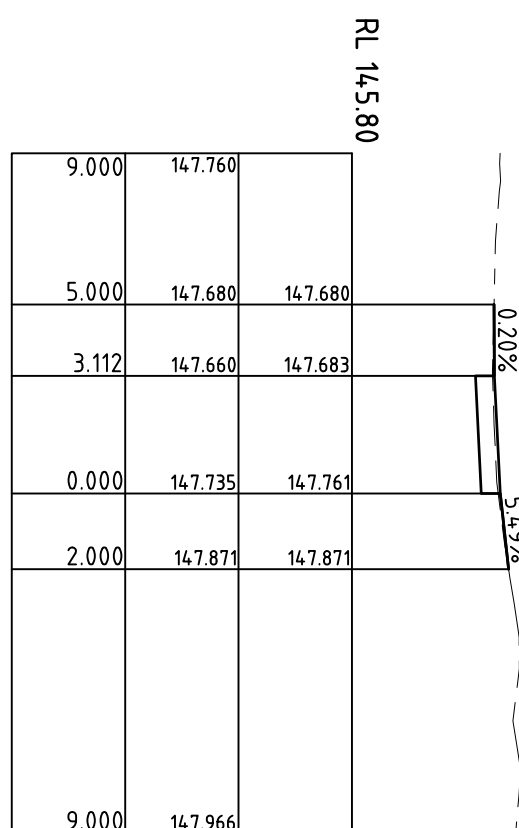
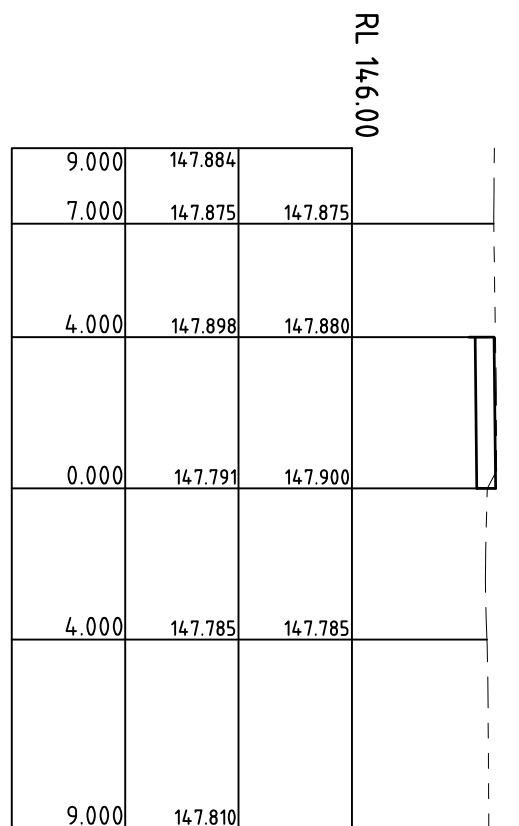
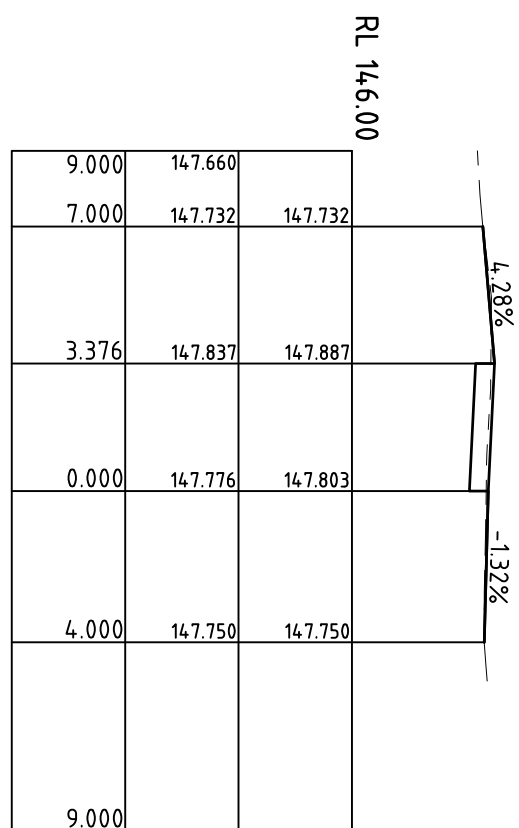
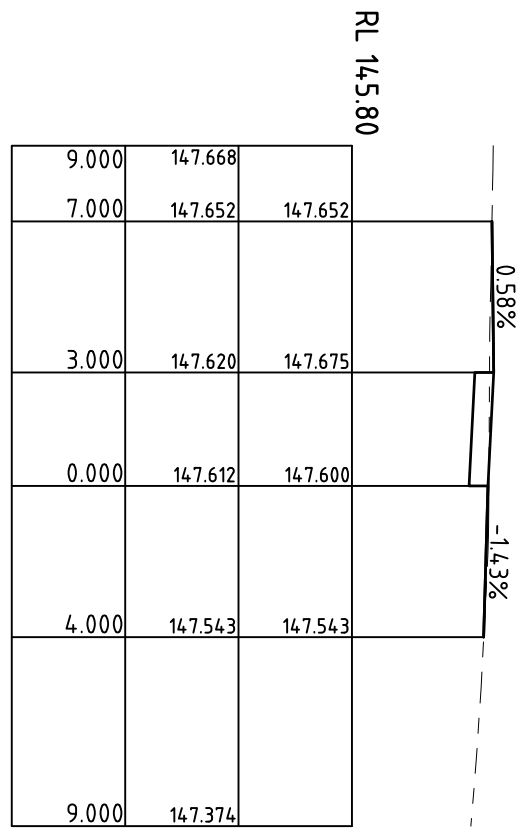
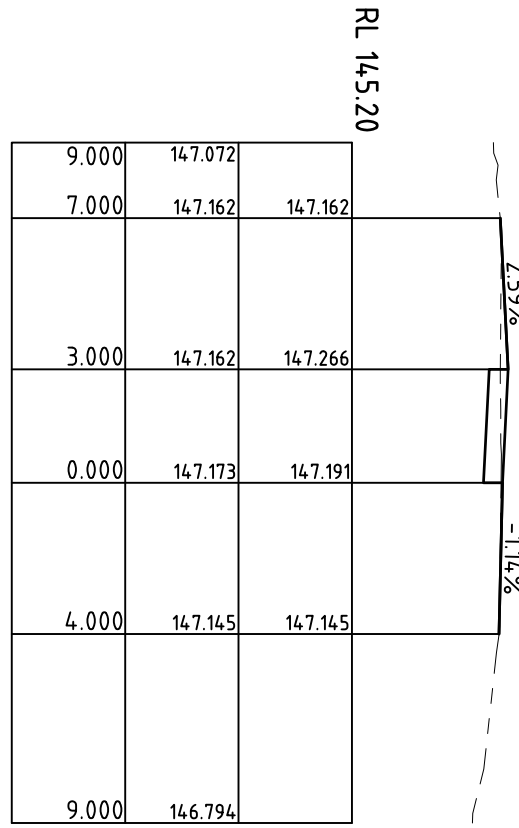
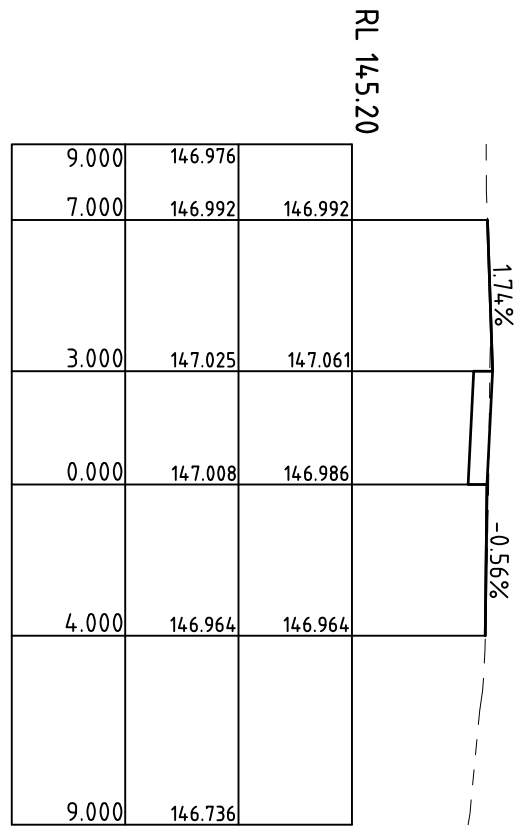
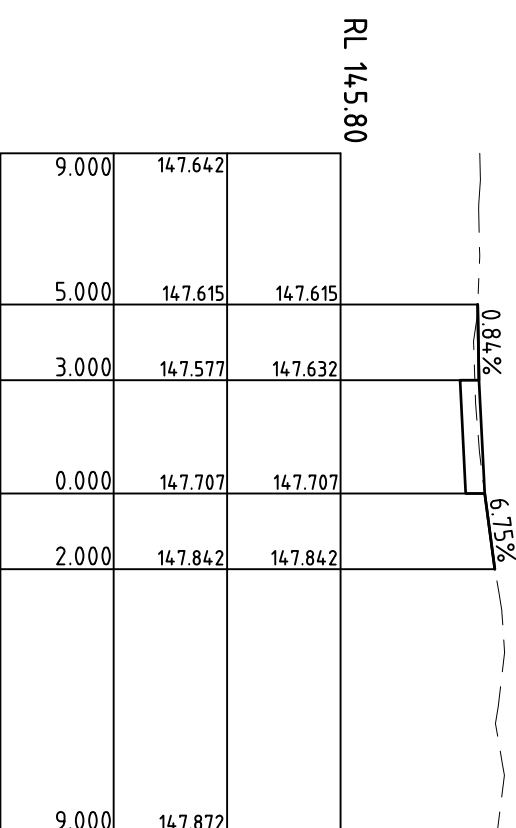
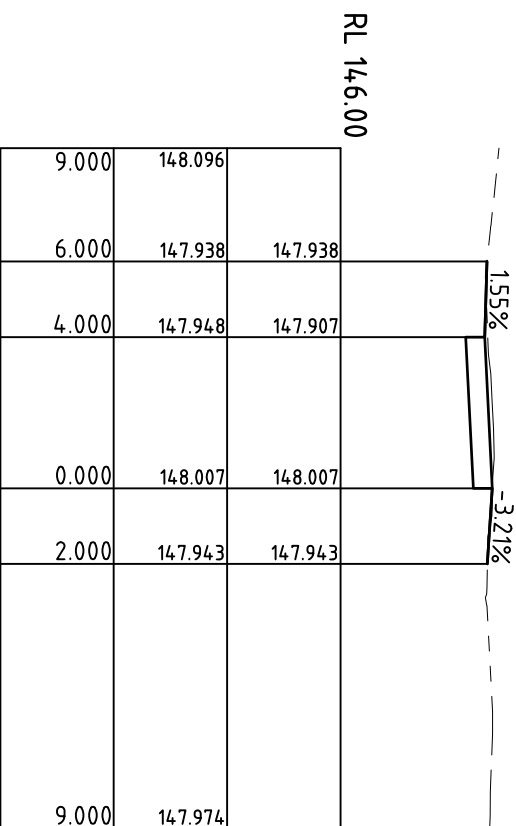
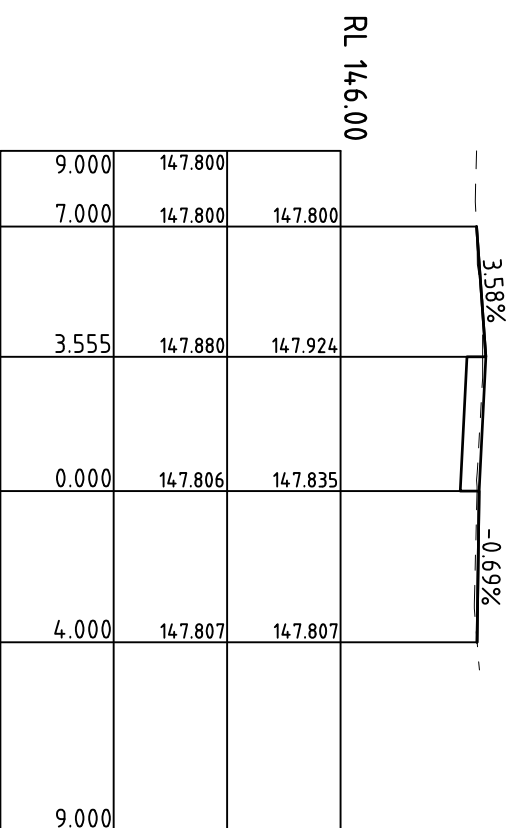
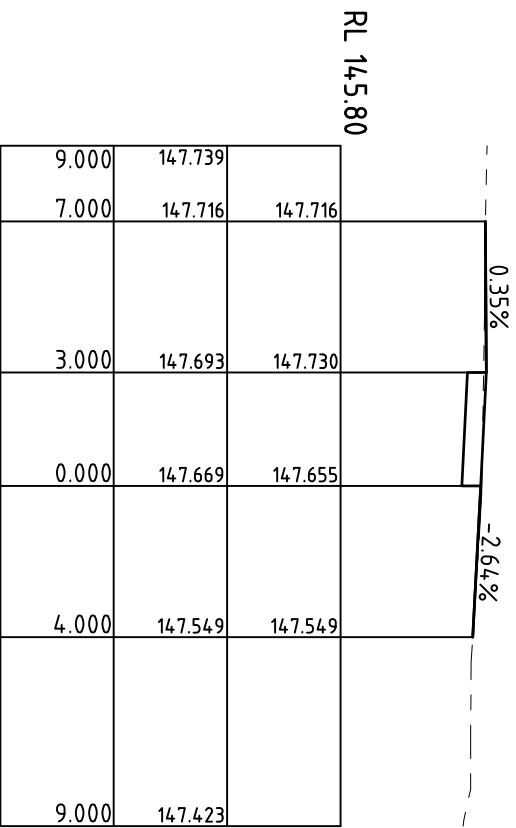
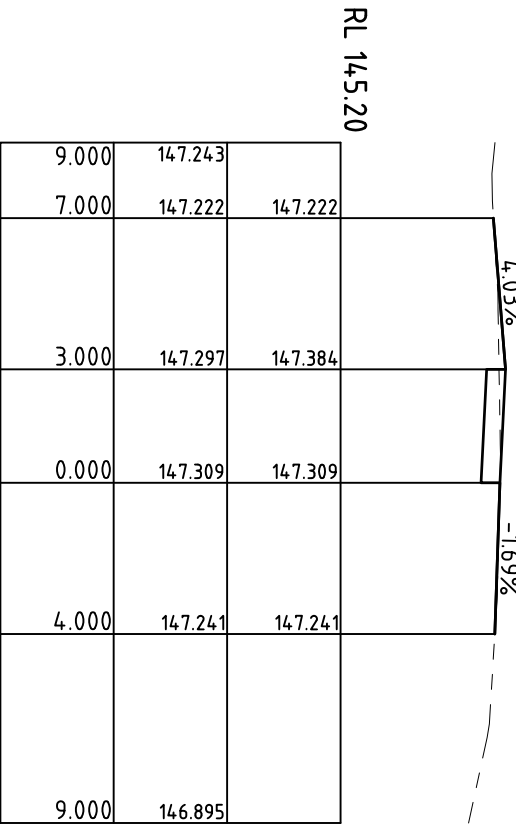
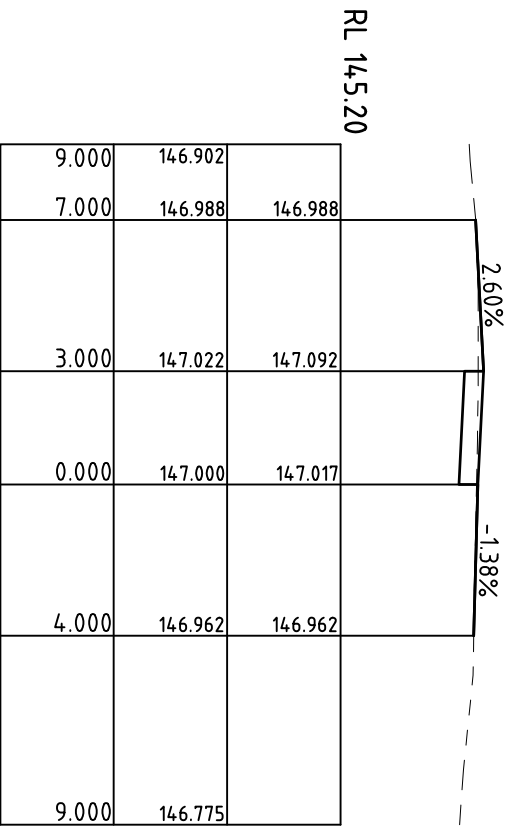
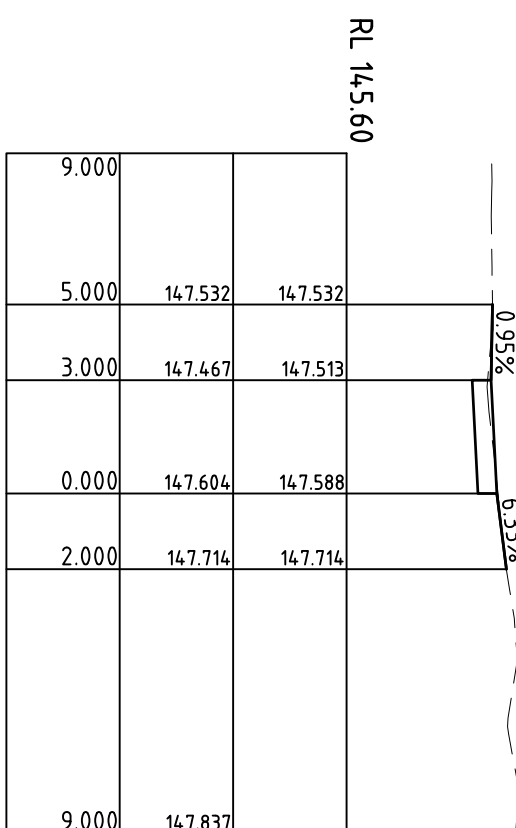
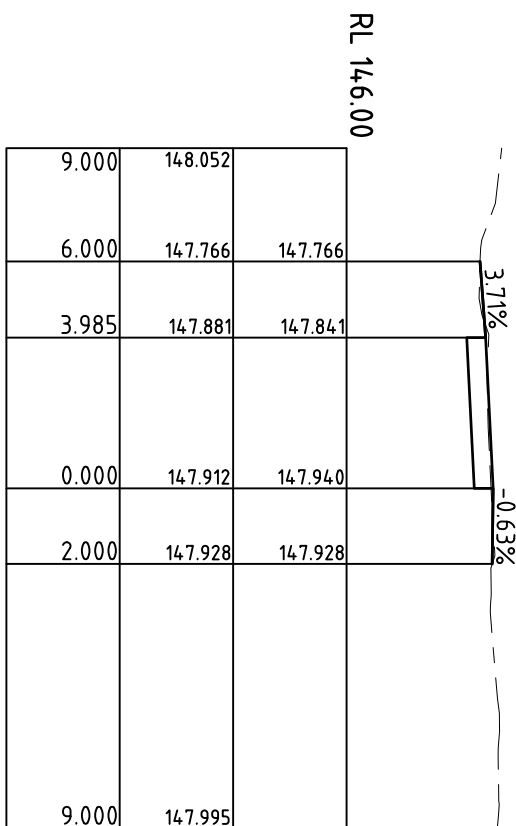
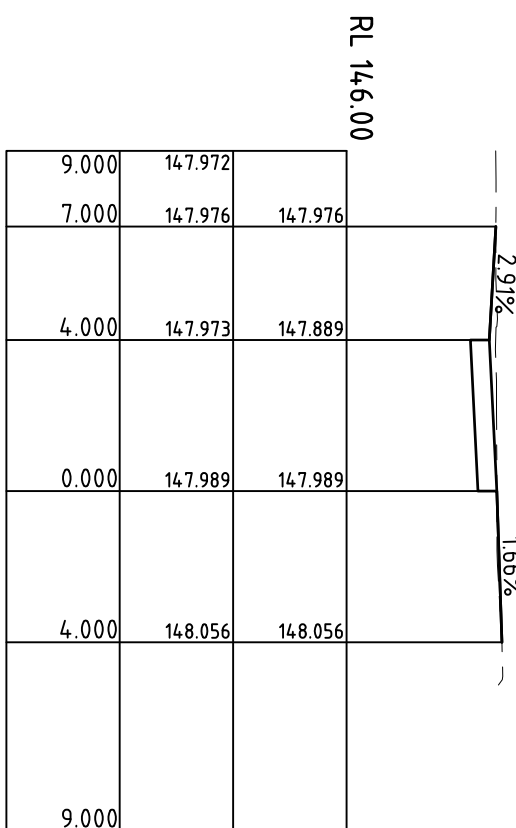
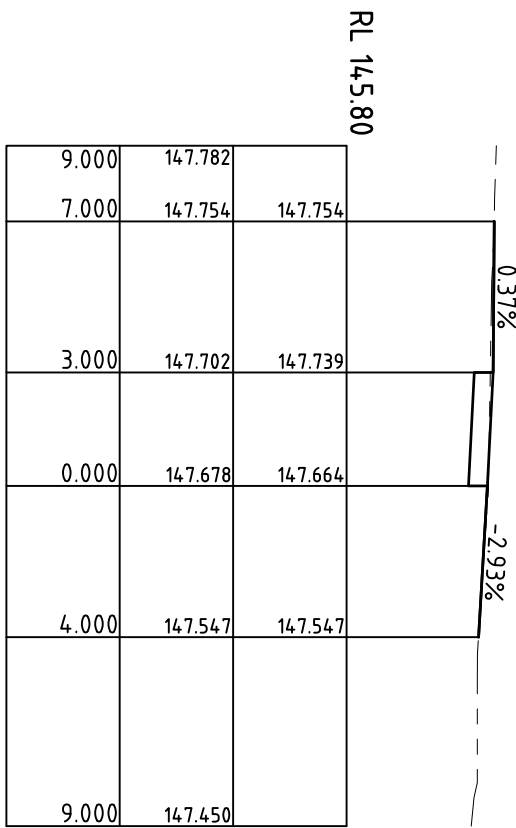
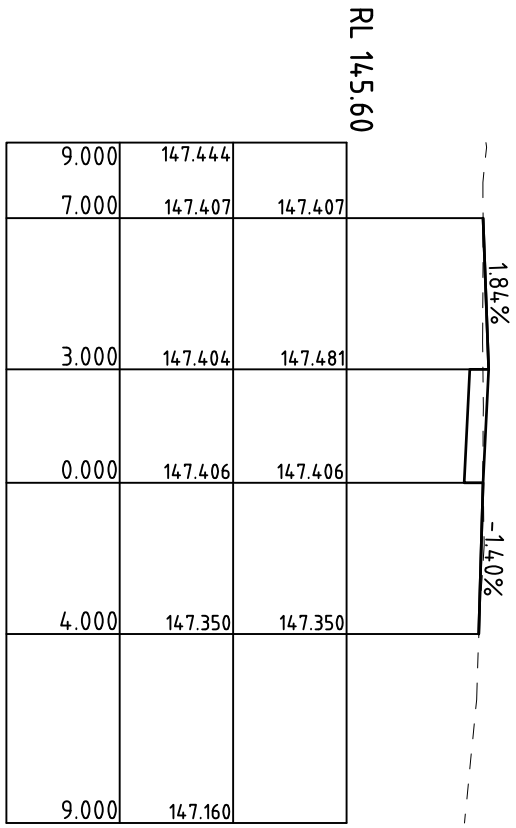
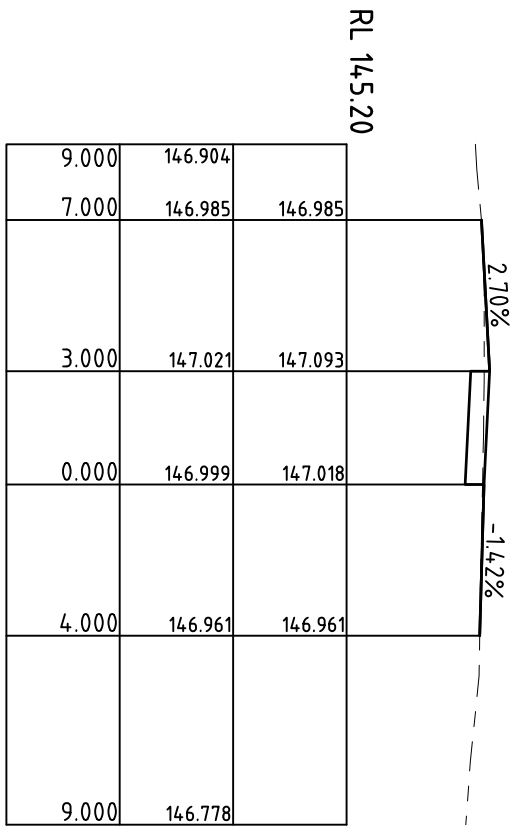
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				280.00	142.479
				285.00	
				290.00	142.851
				299.88	143.425
				300.00	143.436
				310.00	144.066
				315.78	144.298
				320.00	144.480
				330.00	145.005
				331.68	145.106
				340.00	145.576
				346.98	145.991
				350.00	146.168
				360.00	146.479
				362.29	146.504
				366.00	146.66
				370.00	146.781
				374.00	146.86
				375.00	146.89
				380.00	146.981
				385.00	147.01
				390.00	146.998

DESIGN RIGHT PATH		EXIST RIGHT PATH		Datum R.L. 335.00	
DESIGN RIGHT PATH		EXIST RIGHT PATH			
EXIST RIGHT PATH					
CHANNELAGE					
390.00	146.998	147.030			
400.00	147.005	146.982			
405.00		146.96			
410.00	146.961	146.946			
415.00		146.96			
420.00	146.993	146.976			
422.53	147.008	146.986			
430.00	147.000	147.017			
430.28	146.999	147.018			
433.03		147.03			
438.03	147.051	147.060			
440.00	147.077	147.077			
443.03		147.11			
450.00	147.173	147.191			
460.00	147.309	147.309			
470.00	147.406	147.406			
480.00	147.539	147.503			
481.25	147.555	147.515			
490.00	147.612	147.600			
498.57	147.669	147.655			
500.00	147.678	147.664			
510.00	147.732	147.728			
515.89	147.742	147.766			
517.06		147.77			
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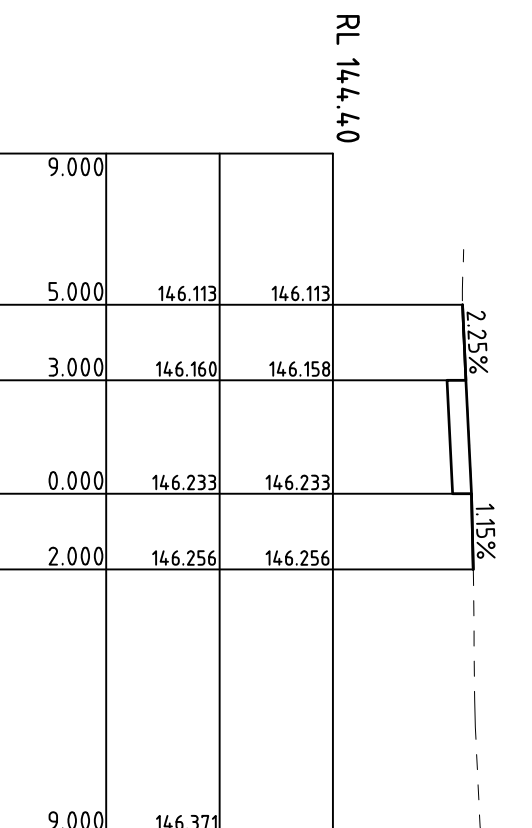
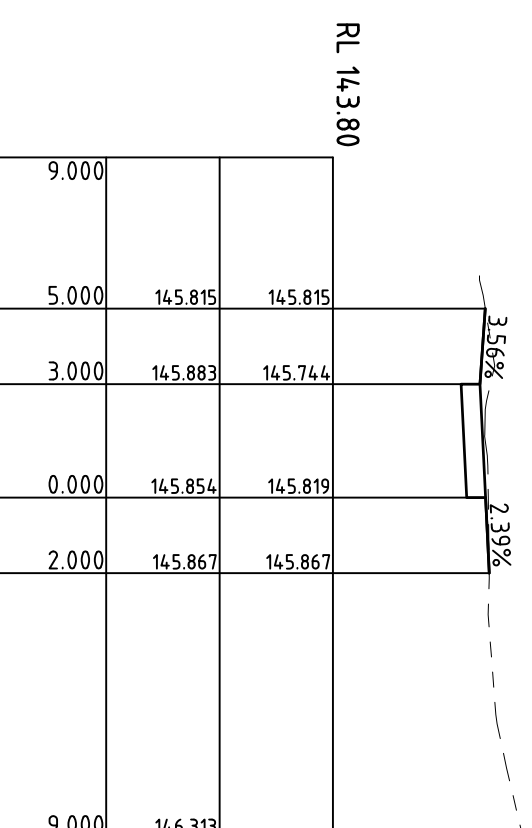
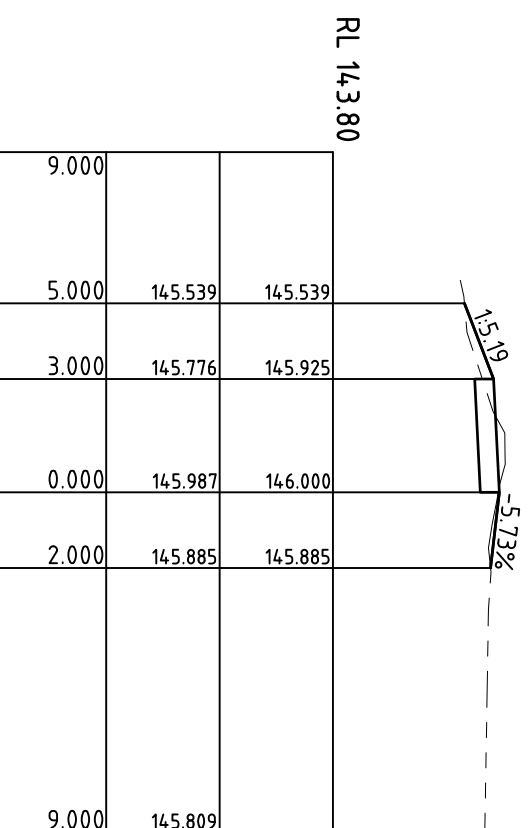
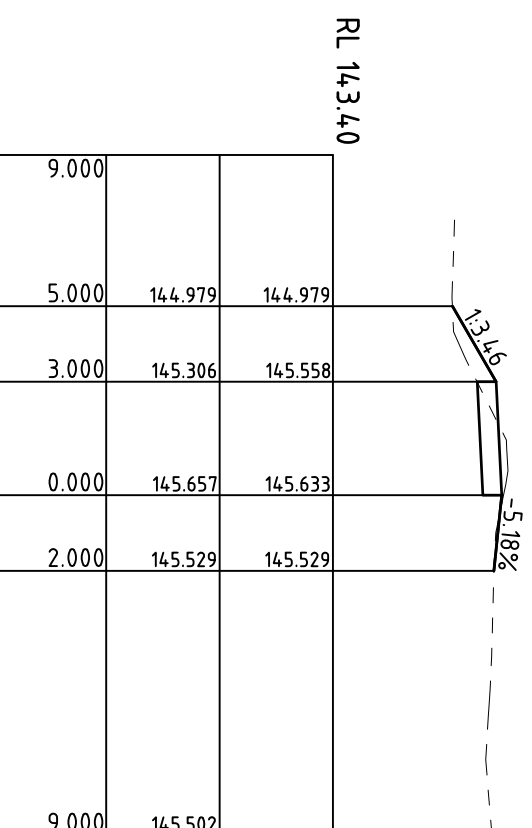
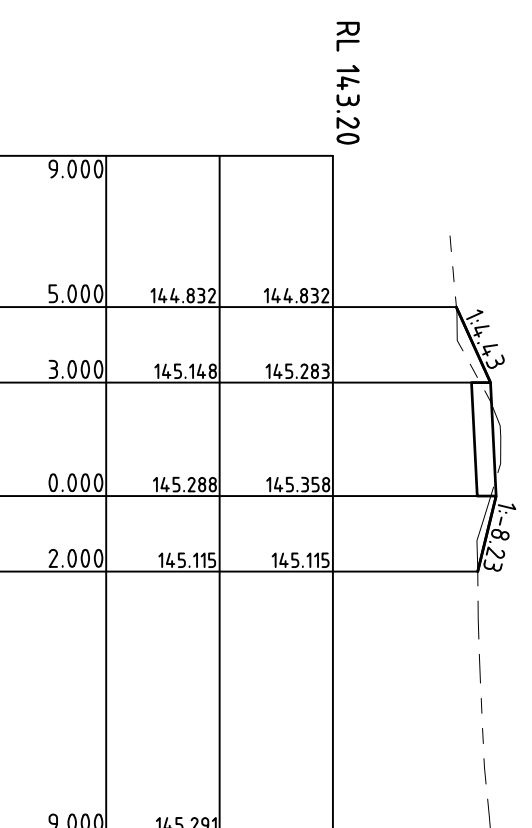
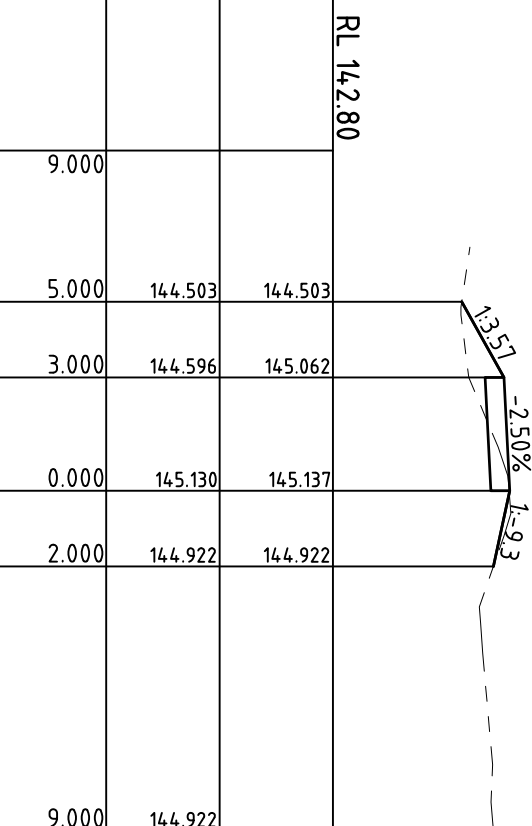
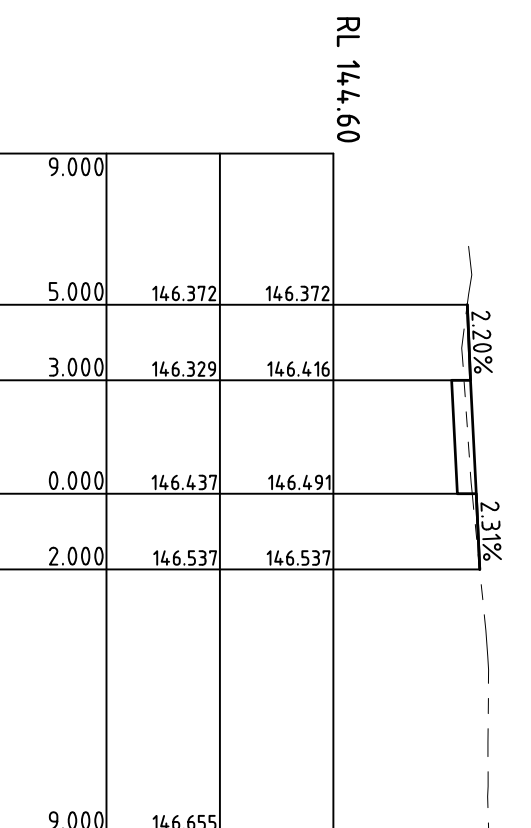
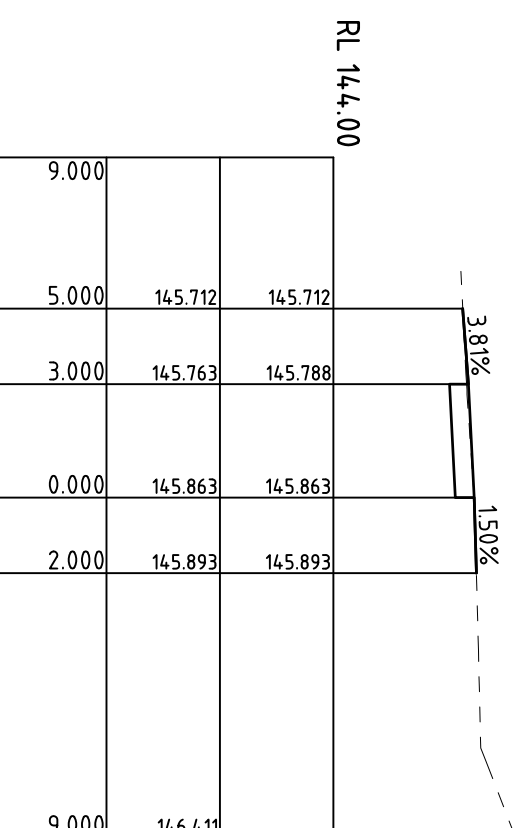
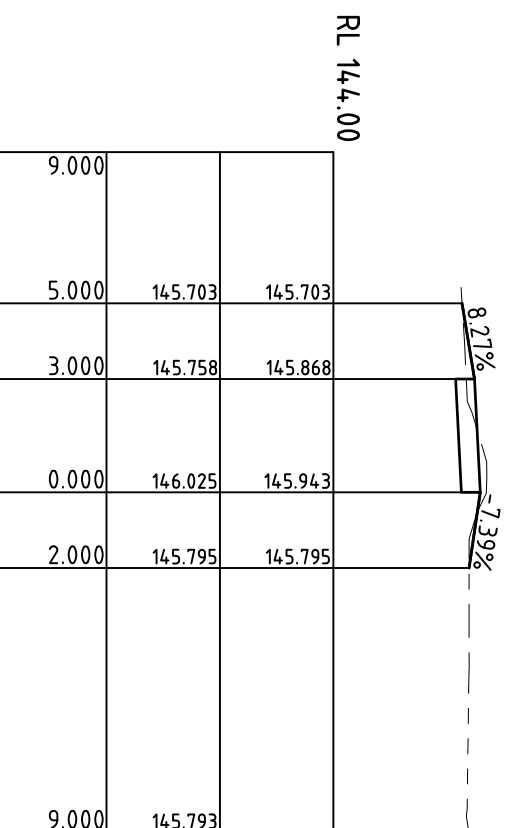
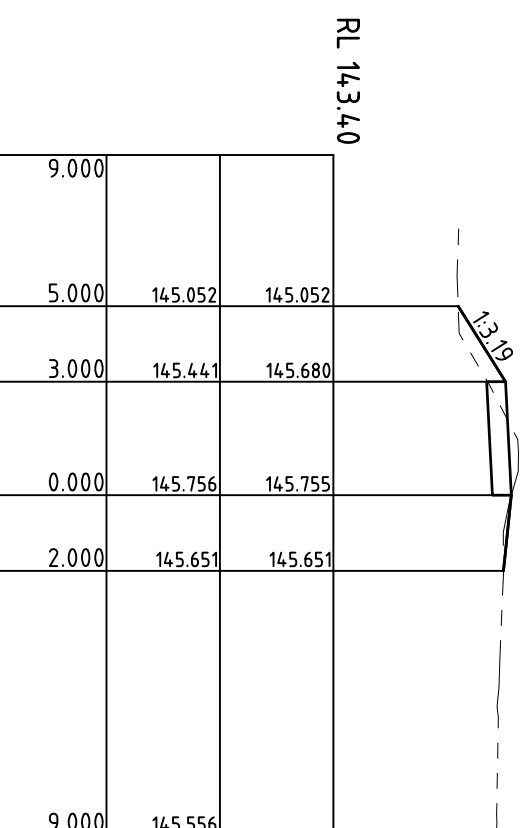
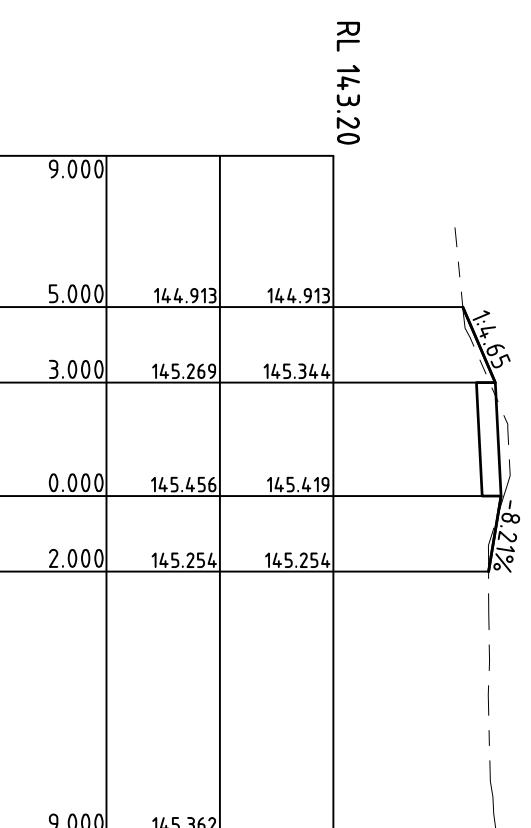
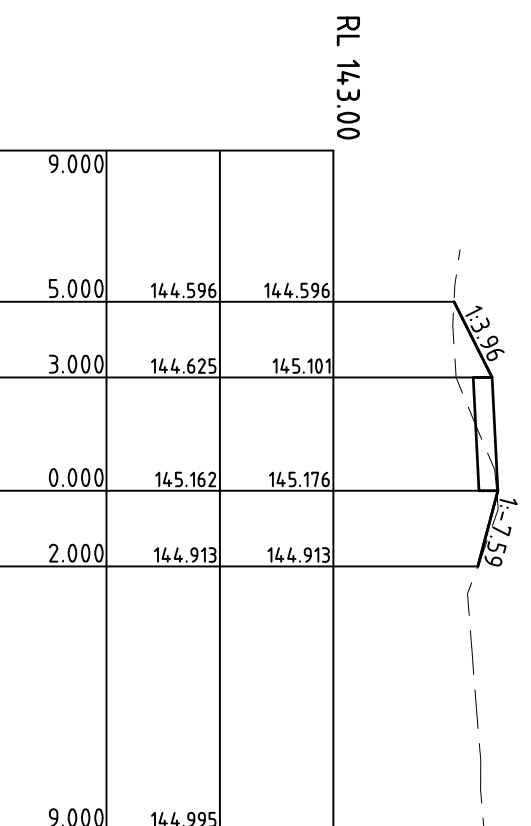
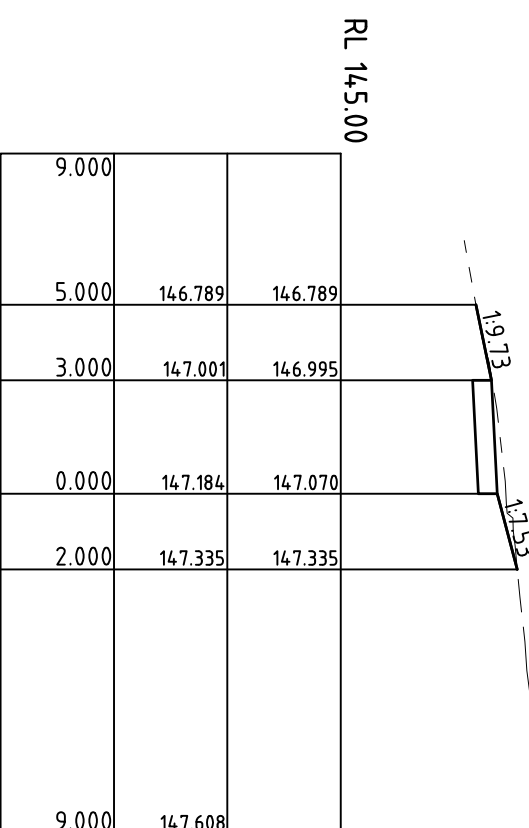
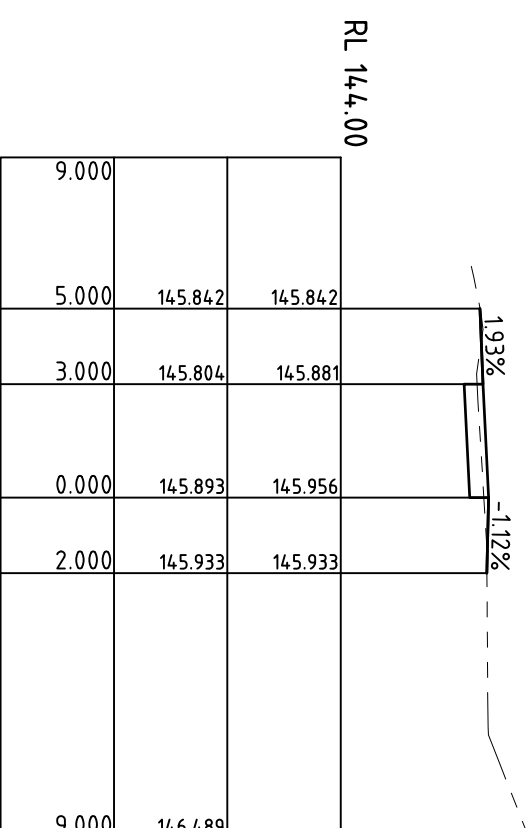
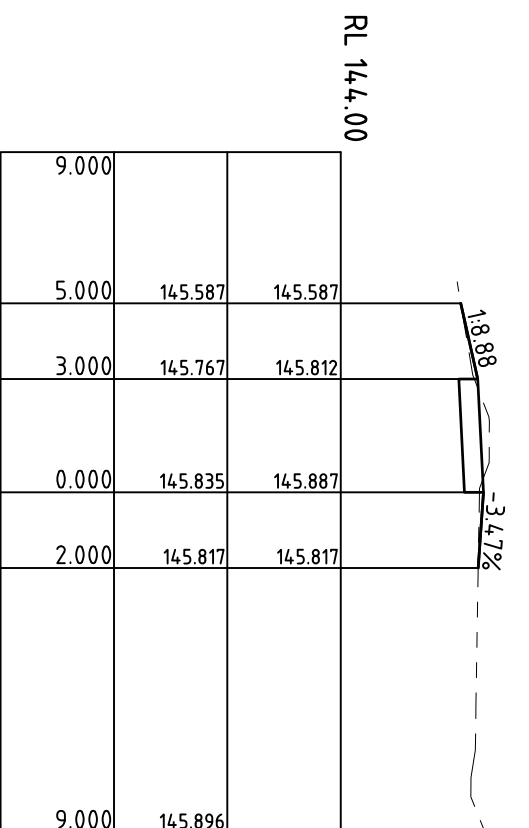
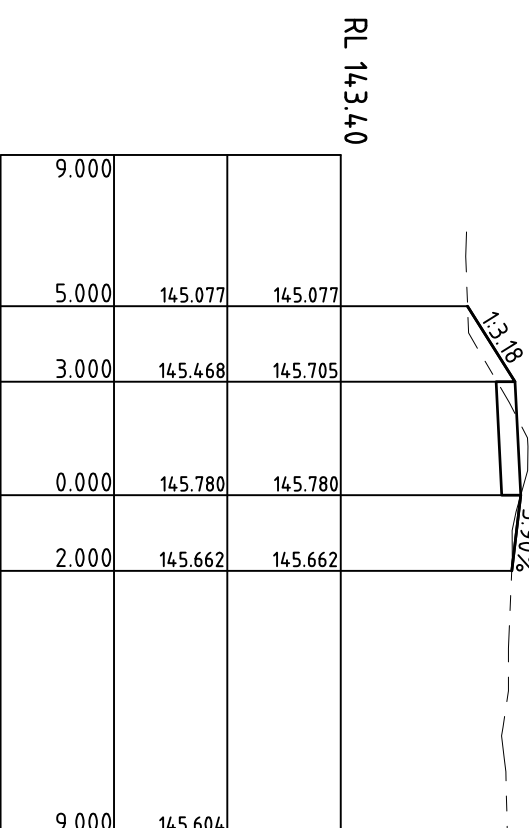
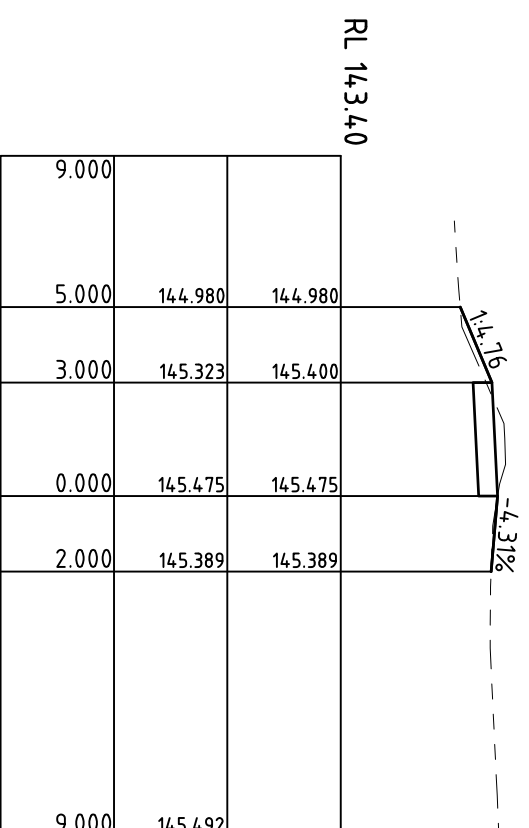
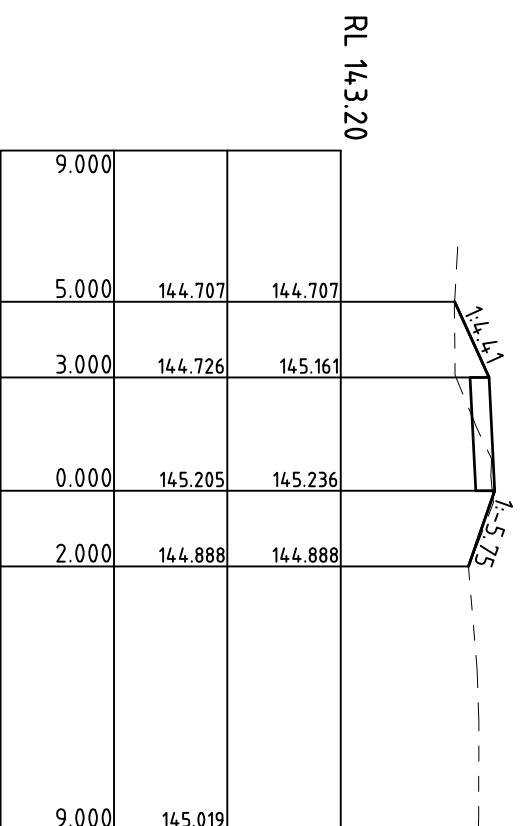
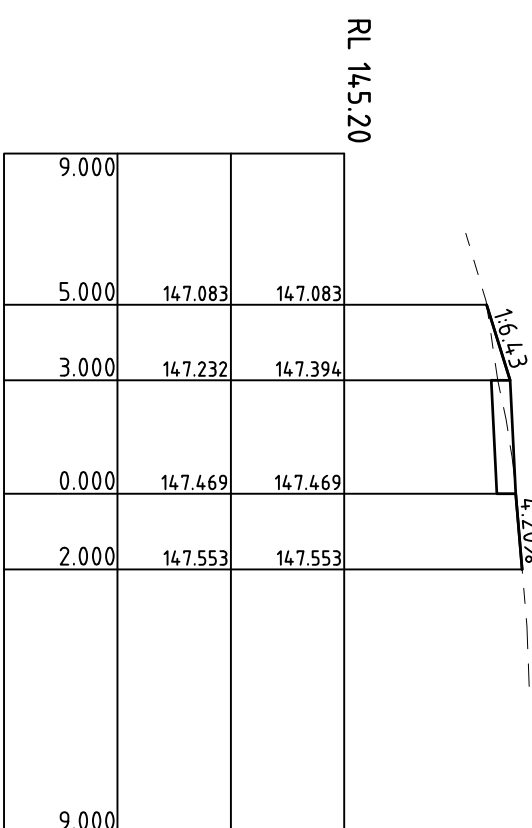
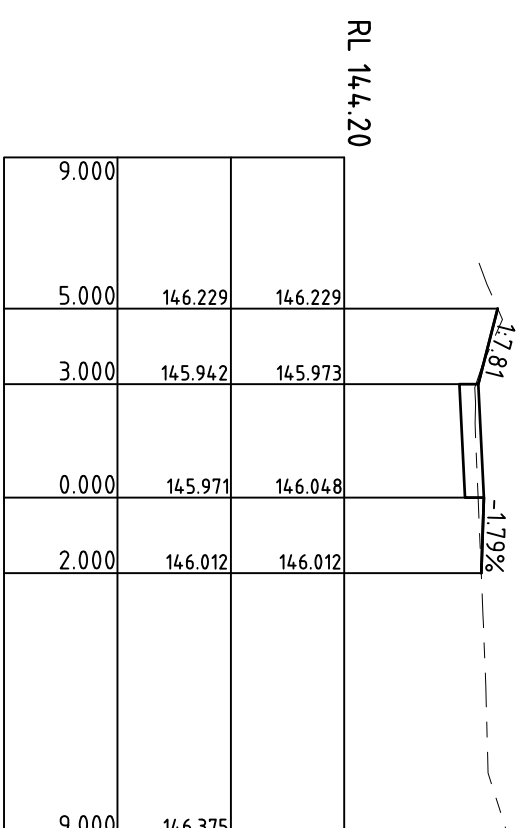
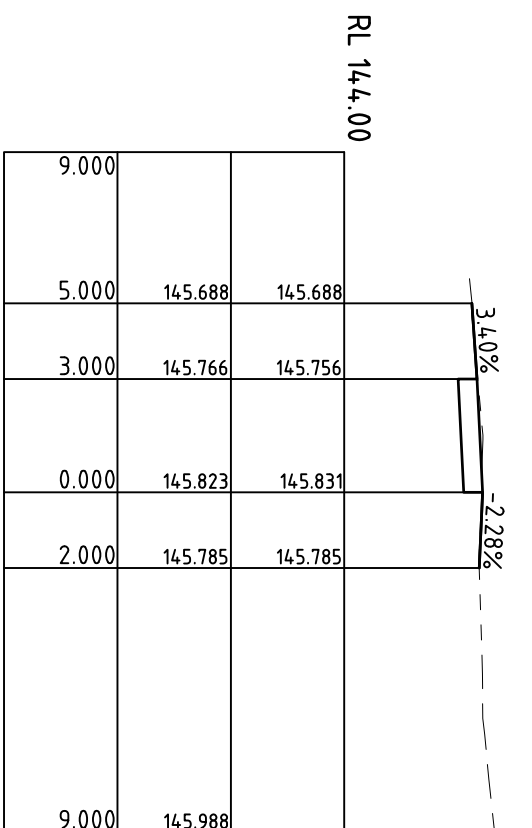
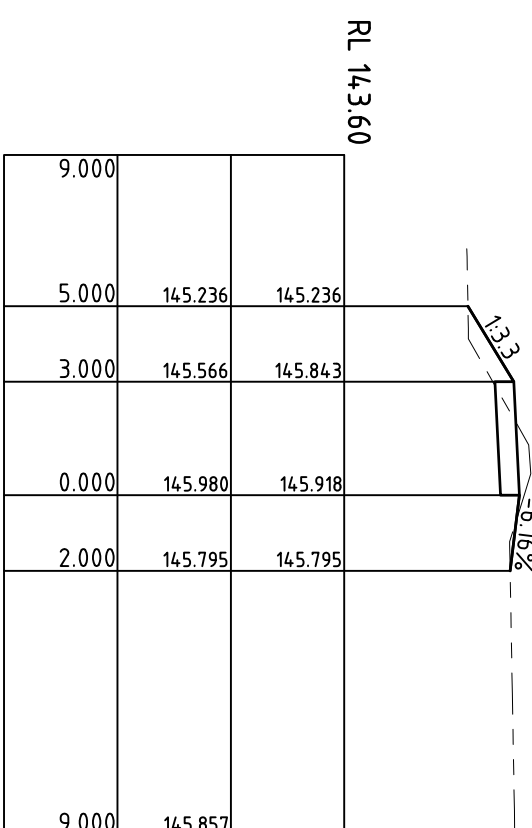
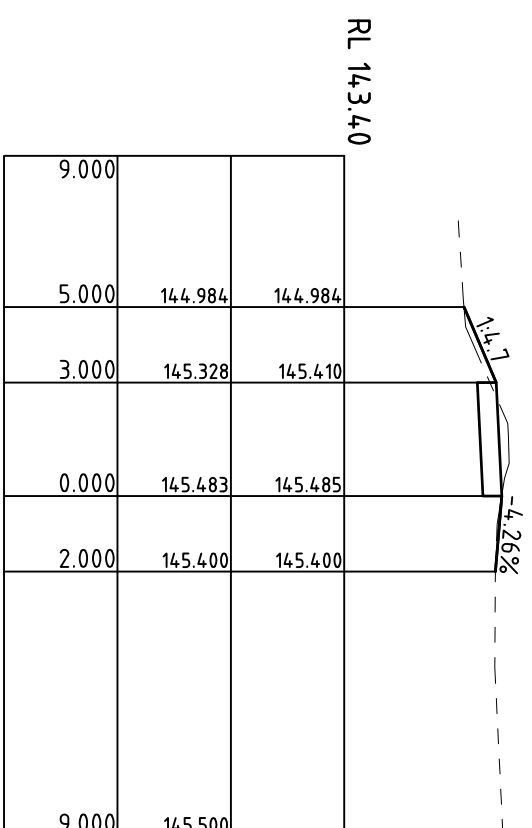
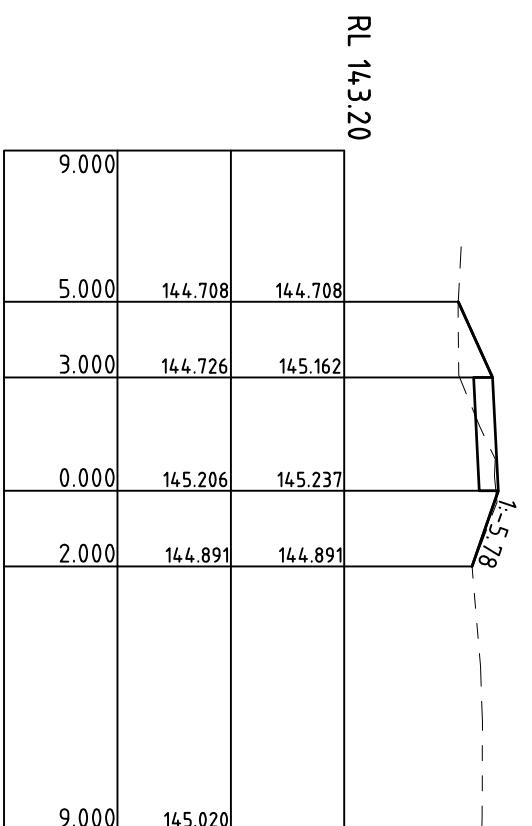
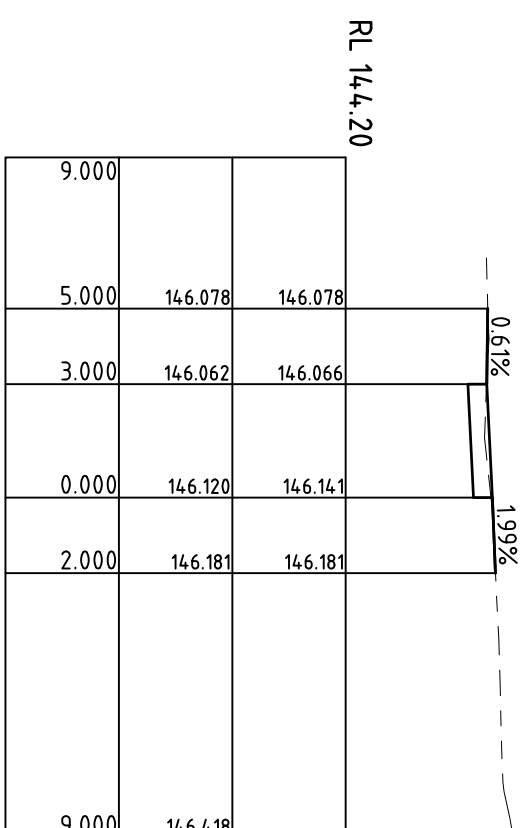
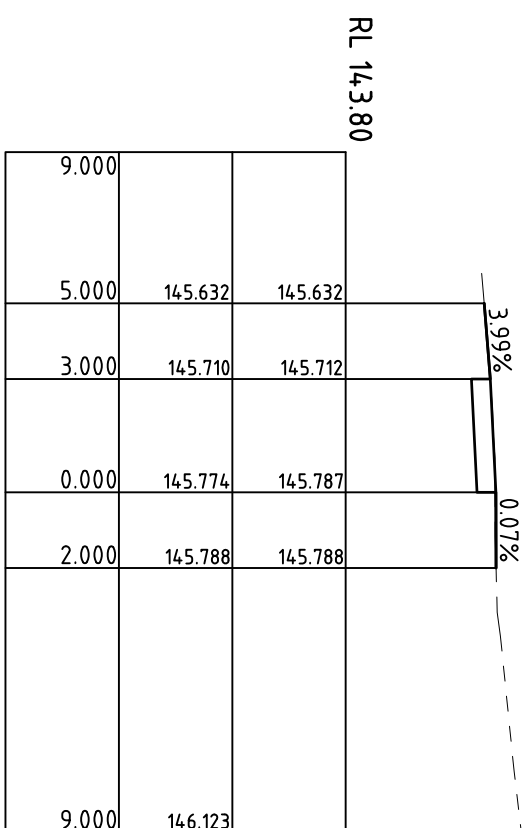
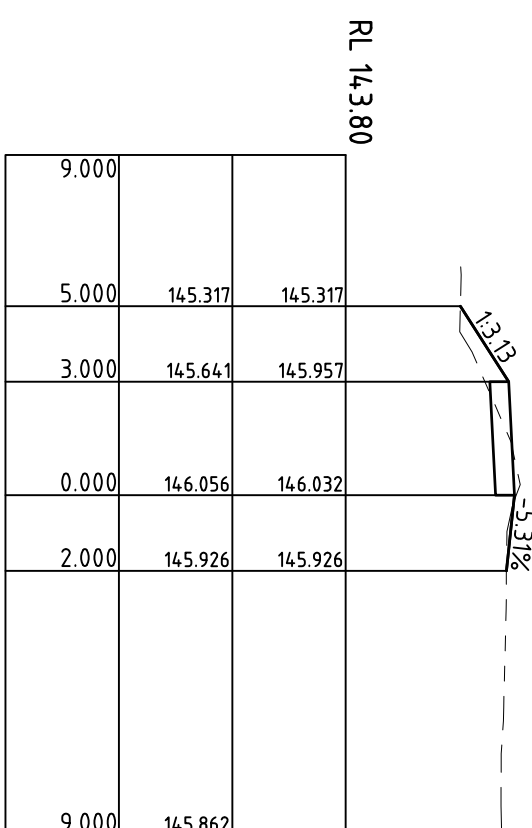
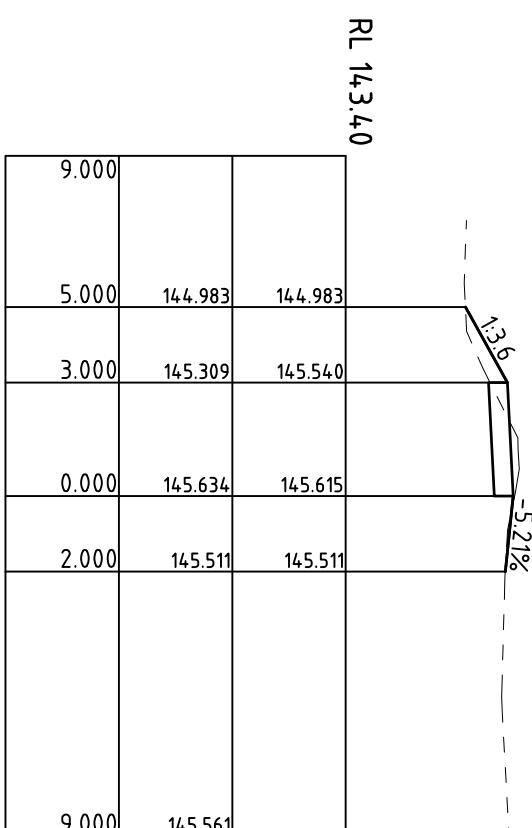
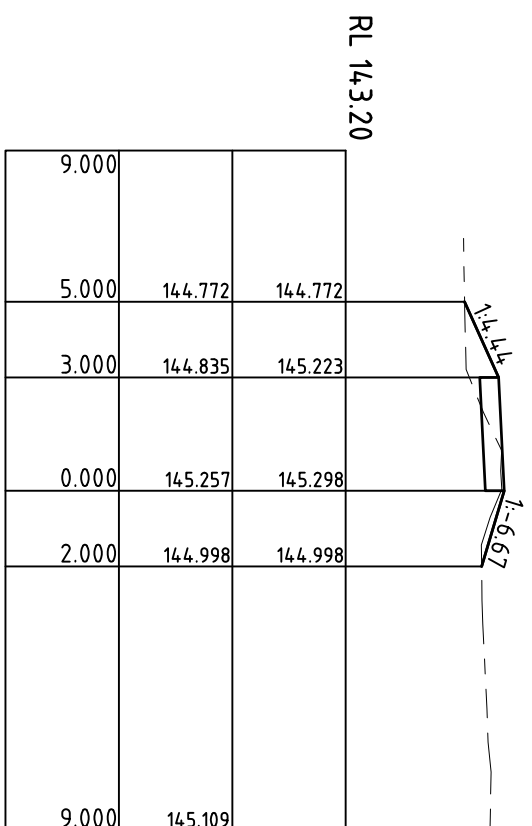
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				CIVIL ROAD SOLUTIONS P/L				SURVEYED BY: MOONLAND GROUP		PROJECT MANAGER		TEAM LEADER DESIGN & DELIVERY		CITY OF WHITTLESEA		DRAWING NO. A13297			
				60 Thompson Street, Avordale Heights, 3034 Phone: (03) 9331 4683, Mob: 0402 231310 Email: rimrex@civilroadsolutions.com ABN 13 151 174 104										YAN YEAN PIPE TRACK		Engineering File No.			
				DESIGNED RI DATE 25/3/2020				CHECKED TI DATE 25/3/2020						CENTINARY DRIVE TO BUSH BLVD,					
				DRAWN RI DATE 25/3/2020				APPROVED RI DATE 25/3/2020						MILLPARK – STAGE 5		SCALE 1:250			
														PROPOSED SHARED PATH		SHEET 22 OF 25			
AMENDMENTS				REV				DATE				AMENDMENTS				REV			



CRS Dwg. No.		1297
CRS Revision No.		P2
DRAWING NO.		A13297
Engineering File No.		
CITY OF WHITTLESEA		
 YAN YEAN PIPE TRACK CENTENARY DRIVE TO BUSH BLVD, MILLPARK – STAGE 5 PROPOSED SHARED PATH CROSS SECTIONS		
TEAM LEADER DESIGN & DELIVERY		NAME: DATE: APPROVED: MANAGER CITY DESIGN & TRANSPORT DATE:
PROJECT MANAGER		NAME: DATE: DESIGN & DELIVERY TEAM MEMBER PEER CHECK
SURVEYED BY: MOONLAND GROUP		CAD FILE: YAN YEAN 129SP1
CIVIL ROAD SOLUTIONS P/L 60 Thompson Street, Avondale Heights, 3034 Phone: (03) 9331 4683, Mob: 0402 231310 Email: rfmtek@civildroadsolutions.com ABN 13 151 174 104		DESIGNED RI CHECKED TI DATE 25/3/2020 APPROVED RI DATE 25/3/2020
DRAWN RI		DATE 25/3/2020
AMENDMENTS		REV
DATE		DATE

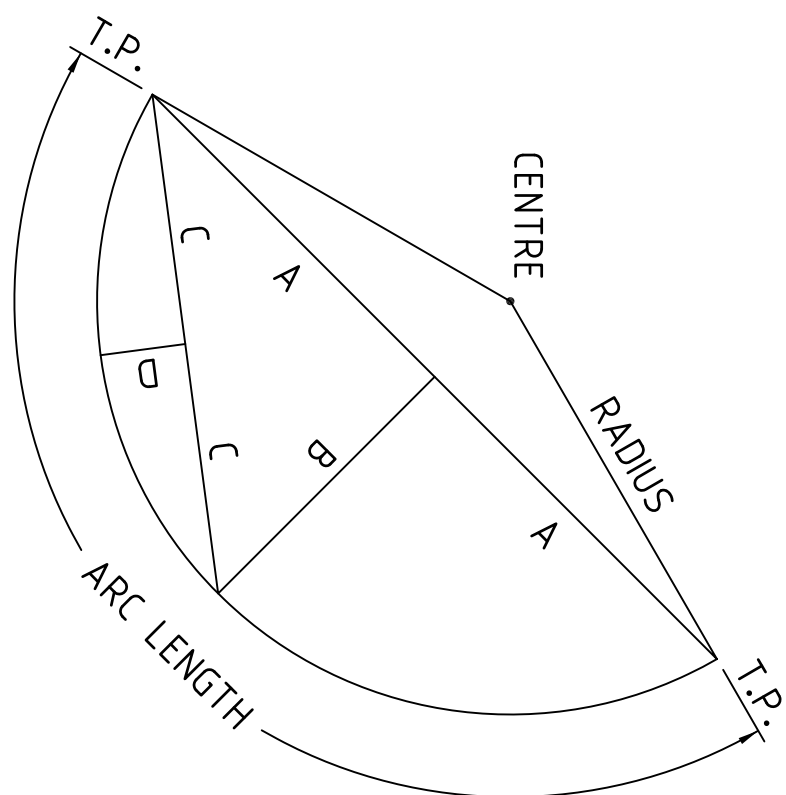
TRAVERSE LINE SETOUT		
LOCATION	EASTING	NORTHING

TRAVERSE LINE SETOUT		
LOCATION	EASTING	NORTHING

TRAVERSE LINE SETOUT		
LOCATION	EASTING	NORTHING

CURVE No.	RADIUS R	ARC LENGTH	A	B	C	D
R1	7.000	1.100	0.549	0.022	0.275	0.005
R2	147.000	19.179	9.583	0.313	4.794	0.078
R3	50.000	7.096	3.545	0.126	1.774	0.031
R4	197.000	40.378	20.153	1.034	10.090	0.259
R5	497.000	9.489	4.744	0.023	2.372	0.006
R6	503.000	31.796	15.895	0.251	7.949	0.063
R7	497.000	30.610	15.302	0.236	7.652	0.059
R8	500.000	15.500	7.750	0.060	3.875	0.015
R9	97.000	34.634	17.225	1.542	8.647	0.386
R10	25.000	12.342	6.109	0.758	3.078	0.190
R11	100.000	7.440	3.719	0.069	1.860	0.017
R12	197.000	20.569	10.280	0.268	5.142	0.067
R13	500.000	30.453	15.224	0.232	7.613	0.058
R14	500.000	31.357	15.676	0.246	7.839	0.061
R15	500.000	34.352	17.173	0.295	8.588	0.074
R16	300.000	18.953	9.475	0.150	4.738	0.037

CURVE No.	RADIUS R	ARC LENGTH	A	B	C	D
R17	2.500	4.049	1.810	0.776	0.985	0.202
R18	2.500	3.805	1.724	0.690	0.928	0.179



CH00	3294,922.74	583030.947
TP0.39	3294,924.76	583030.179
TP1.49	3294,93.120	583030.269
TP6.92	3294,96.939	583030.6.309
CH10	3294,98.657	583030.8.634
MD06.51	329503.083	5830323.409
CH20	329505.541	5830325.885
TP26.10	329509.977	5830330.012
CH30	329512.867	5830332.690
TP33.61	329516.585	5830335.151
MD037.21	329518.128	5830337.623
CH40	329519.998	5830339.687
TP40.76	329520.489	5830340.210
CH50	329526.556	583034.7.236
CH60	329533.482	5830354.447
MD06.95	329534.160	5830355.114
CH70	32954.766	5830361.297
CH80	32954.8.388	5830361.769
TP01.14	32954,9.277	5830368.482
CH90	329556.207	5830371.003
CH100	329564.028	5830380.235
CH110	3295718.48	5830386.467
CH120	329579.699	5830392.699
CH130	329587.490	5830398.931
CH140	329595.311	5830405.162
CH150	329603.131	5830411.394
CH160	329610.952	5830417.626
CH170	329618.173	5830423.858
CH180	329626.594	5830430.090
CH190	329634.114	5830436.322
CH200	329642.235	5830442.554
TP2102.00	329643.802	5830443.802
MD206.75	32964.7526	5830446.74.1
CH210	329650.096	5830448.735
TP2111.49	329651.278	5830449.644
CH220	329658.033	5830454.818
CH230	329673.909	5830466.981
CH240	329673.909	5830466.981
CH250	329681.847	5830471.062
CH260	329689.186	5830479.144
CH270	329697.124	5830485.225
CH280	329705.662	5830491.306
CH290	329713.601	5830497.388
TP299.88	329712.446	5830503.399
CH300	329721.539	5830503.469
CH310	329729.745	5830509.631
MD035.78	329733.742	5830513.265
CH320	329737.167	5830515.948
CH330	329744.791	5830522.418

TP331.68	329746.059	5630523.520
CH240	329752.377	5630528.994
MD346.99	329757.750	5630533.397
CH350	329760.088	5630535.300
CH360	329767.926	5630541.510
TP362.29	329769.138	5630542.909
CH370	329775.852	5630545.1608
CH380	329782.180	5630553.703
CH390	329791.708	5630559.797
CH400	329799.637	5630565.891
CH410	329807.565	5630571.986
CH420	329815.494	5630578.080
CH430	329823.388	5630584.28
MD4.20.28	329823.811	5630584.395
TP4.38.03	329829.643	5630589.259
CH440	329837.164	5630590.502
CH450	329838.900	5630596.845
CH460	329844.636	5630603.179
CH470	329851.371	5630609.516
CH480	329862.107	5630615.853
TP481.75	329863.077	5630616.648
CH490	329870.083	5630621.878
MD4.98.57	329877.379	5630626.311
CH500	329878.633	5630627.057
CH510	329887.670	5630631.328
TP515.89	329889.180	5630633.400
CH520	329896.945	5630635.043
MD522.06	329898.715	5630636.092
TP528.23	329903.425	5630640.056
CH530	329904.629	5630641.354
CH540	329914.429	5630648.685
CH550	329918.230	5630656.017
TP558.55	329927.041	5630662.282
CH560	329925.038	5630663.341
MD562.27	329926.621	5630664.962
TP565.99	329929.299	5630667.544
CH570	329932.240	5630670.276
CH580	329939.567	5630677.082
TP586.03	329943.982	5630681.084
CH590	329946.921	5630683.858
MD596.31	329951.697	5630687.993
CH600	329954.549	5630690.323
TP606.60	329959.755	5630694.371
CH610	329964.471	5630696.425
CH620	329970.364	5630702.563
MD62182	329971.790	5630703.699
CH630	329978.134	5630708.859
TP637.05	329983.534	5630713.389
CH640	329986.792	5630715.289

CH50	32999.443	5830721.729
CH60	330001.094	5830728.168
CH670	330008.744	5830734.608
CH680	330006.395	5830741.1047
CH690	330024.046	5830757.1486
CH700	330031.697	5830753.926
CH710	330039.347	5830760.365
CH720	330046.998	5830766.804
CH730	330054.649	5830773.244
CH740	330062.200	5830779.683
TP744.14	330065.465	5830782.347
CH750	330069.928	5830786.149
MD759.82	330071.300	5830792.630
CH760	330077.437	5830797.553
CH770	330084.813	5830799.506
TP775.49	330088.807	5830803.278
CH780	330099.079	5830806.375
CH790	330099.441	5830813.143
MD792.67	330101.430	5830814.925
CH800	330106.937	5830819.761
TP809.85	330114.446	5830826.131
CH810	330114.564	5830826.229
CH820	330122.253	5830829.622
CH830	330129.942	5830839.076
CH840	330137.632	5830845.409
TP849.31	330144.191	5830851.363
CH850	330145.320	5830851.803
MD858.79	330151.981	5830857.535
CH860	330152.887	5830858.341
TP868.26	330156.972	5830863.932
CH870	330160.234	5830865.124
CH880	330167.504	5830871.990
CH890	330174.775	5830878.856
CH900	330182.045	5830885.722
CH910	330189.315	5830892.589
CH920	330196.585	5830899.455
CH930	330203.855	5830906.321
CH940	330211.126	5830913.187
CH950	330218.396	5830920.053
CH960	330225.666	5830926.919
CH970	330232.936	5830933.785
CH980	330240.206	5830940.652
CH990	330247.477	5830947.518
CH1000	330254.747	5830954.384
CH1010	330262.017	5830961.250
CH1020	330269.287	5830968.116
CH1026.33	330273.886	5830972.459

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