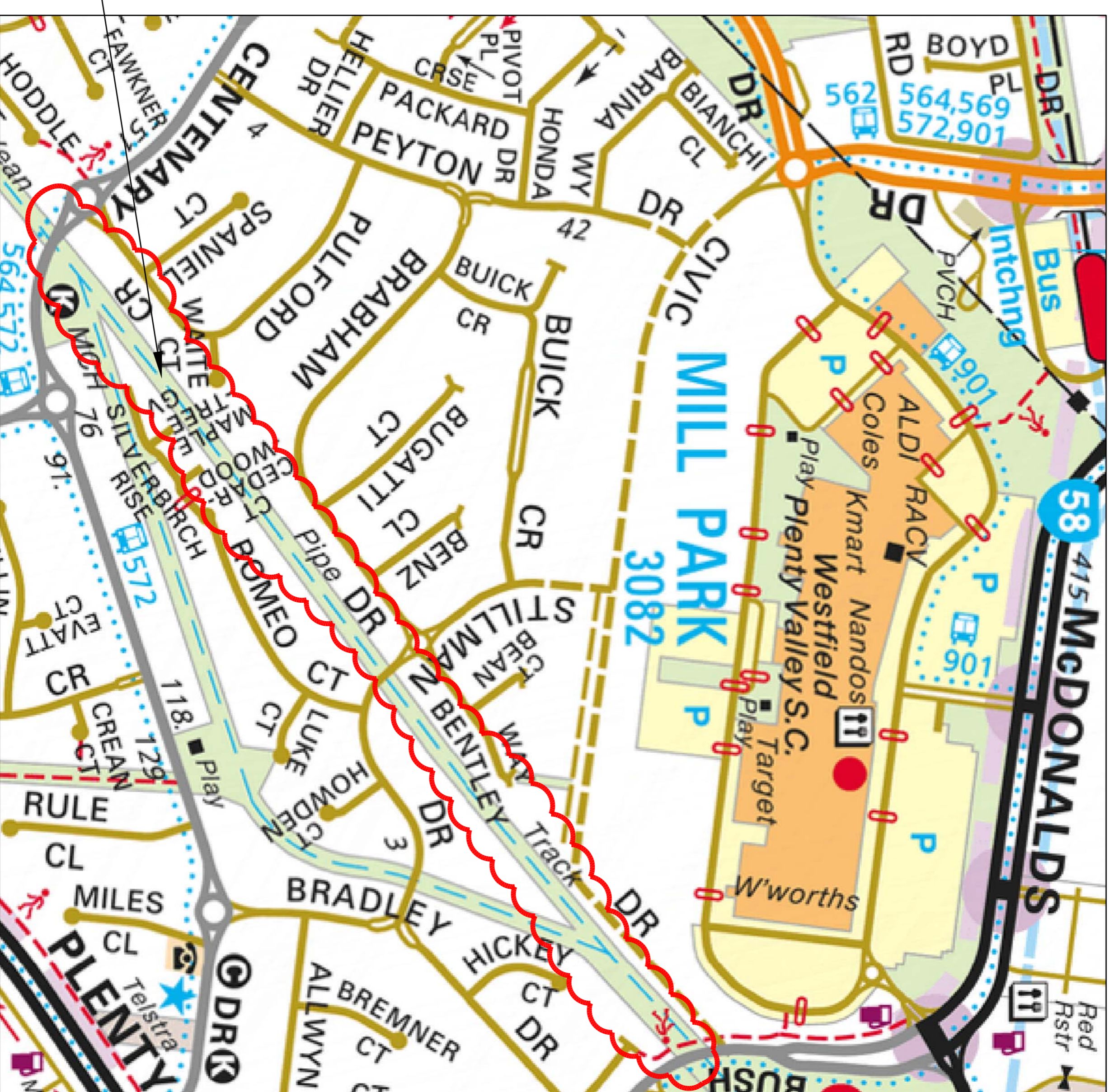




CITY OF WHITTLESEA

YAN YEAN PIPE TRACK, MILL PARK - SHARED PATH MOORHEAD DRIVE TO CENTENARY DRIVE - STAGE 4



LOCALITY PLAN
NOT TO SCALE

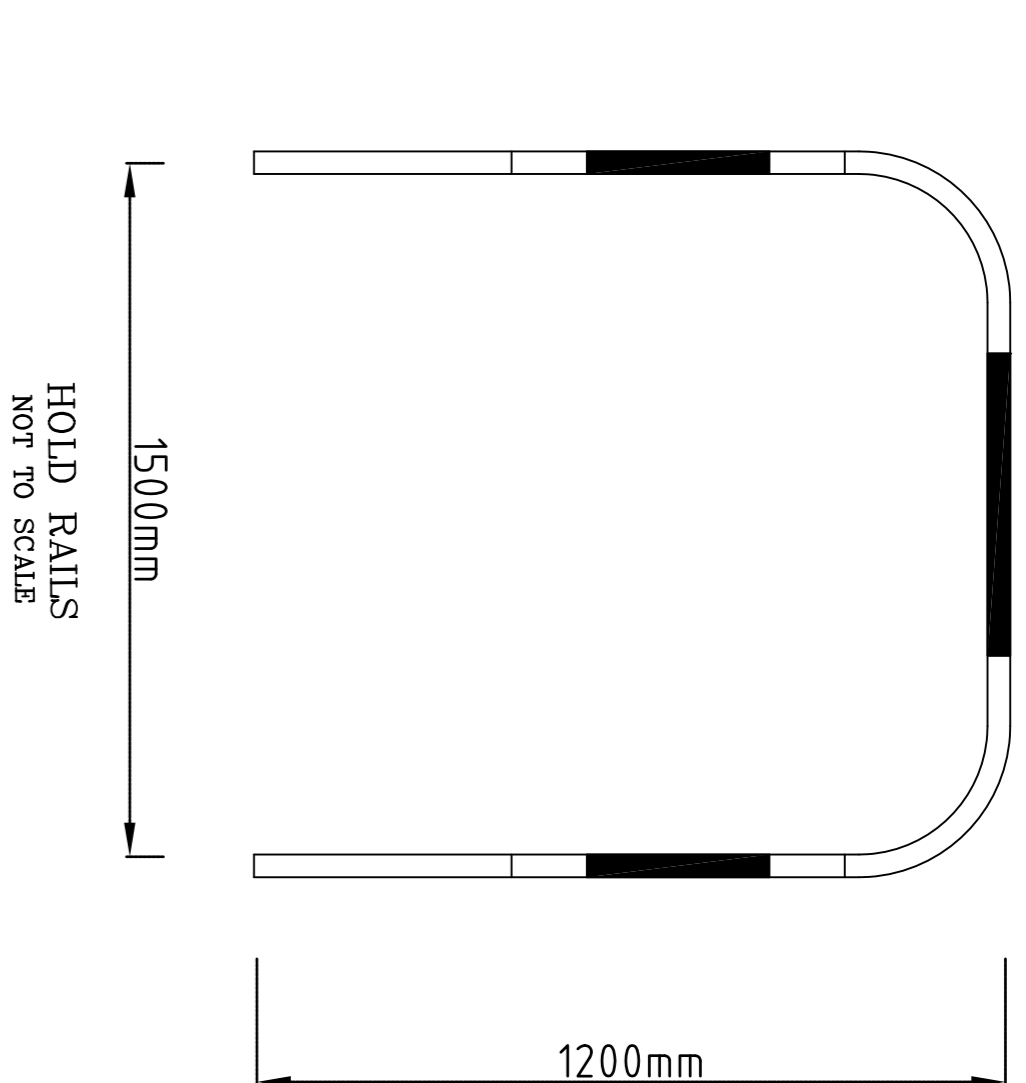
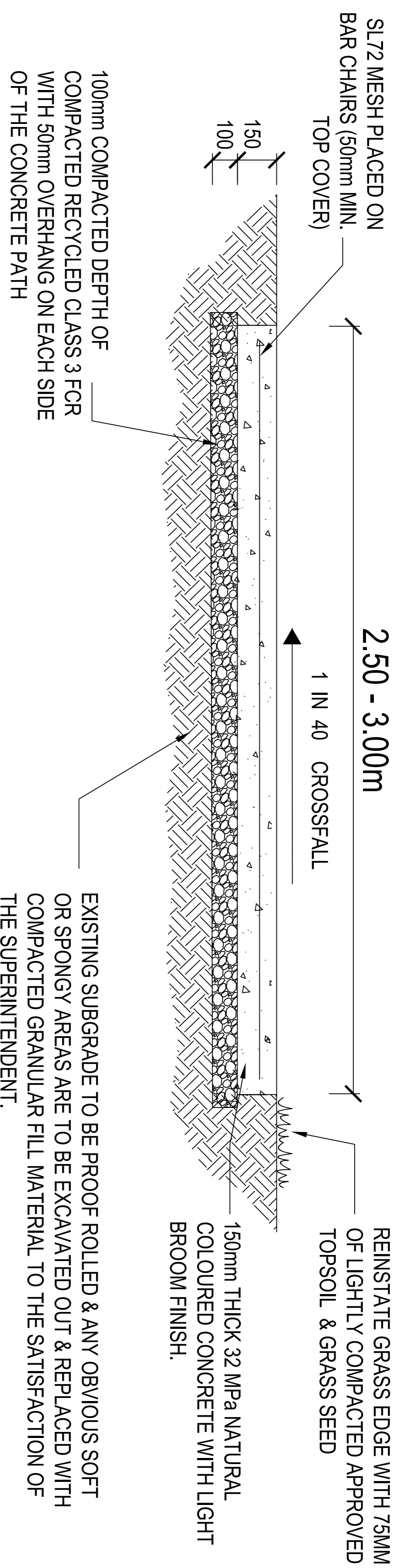
Dr. No.	DESCRIPTION
1	LOCALITY PLAN & DRAWING INDEX
2	GENERAL CONSTRUCTION, TREE SITE SPECIFIC AND LINEMARKING NOTES
3	SHARED PATH, BOLLARD AND HANDRAIL DETAILS
4	RAISED PAVEMENT DETAILS
5	LINEMARKING AND SIGNAGE DETAILS
6	ALIGNMENT PLAN
7	DETAIL PLAN
8	DETAIL PLAN
9	DETAIL PLAN
10	DETAIL PLAN
11	DETAIL PLAN
12	DETAIL PLAN
13	LONGITUDINAL SECTIONS
14	LONGITUDINAL SECTIONS
15	LONGITUDINAL SECTIONS
16	GROSS SECTIONS
17	GROSS SECTIONS
18	GROSS SECTIONS
19	GROSS SECTIONS
20	SETOUT TABLES
21	DRAINAGE LONGITUDINAL SECTION AND PIT SCHEDULE

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



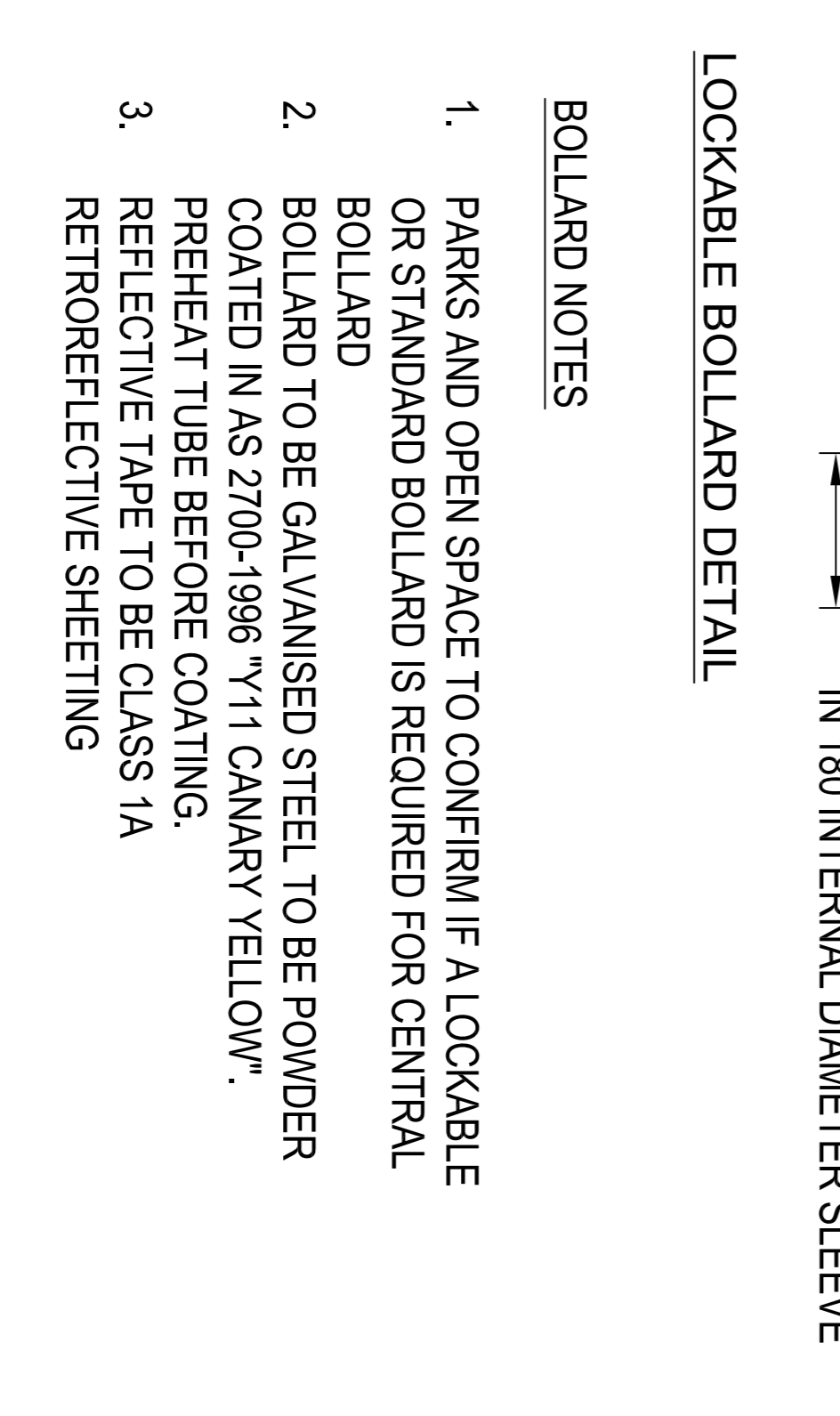
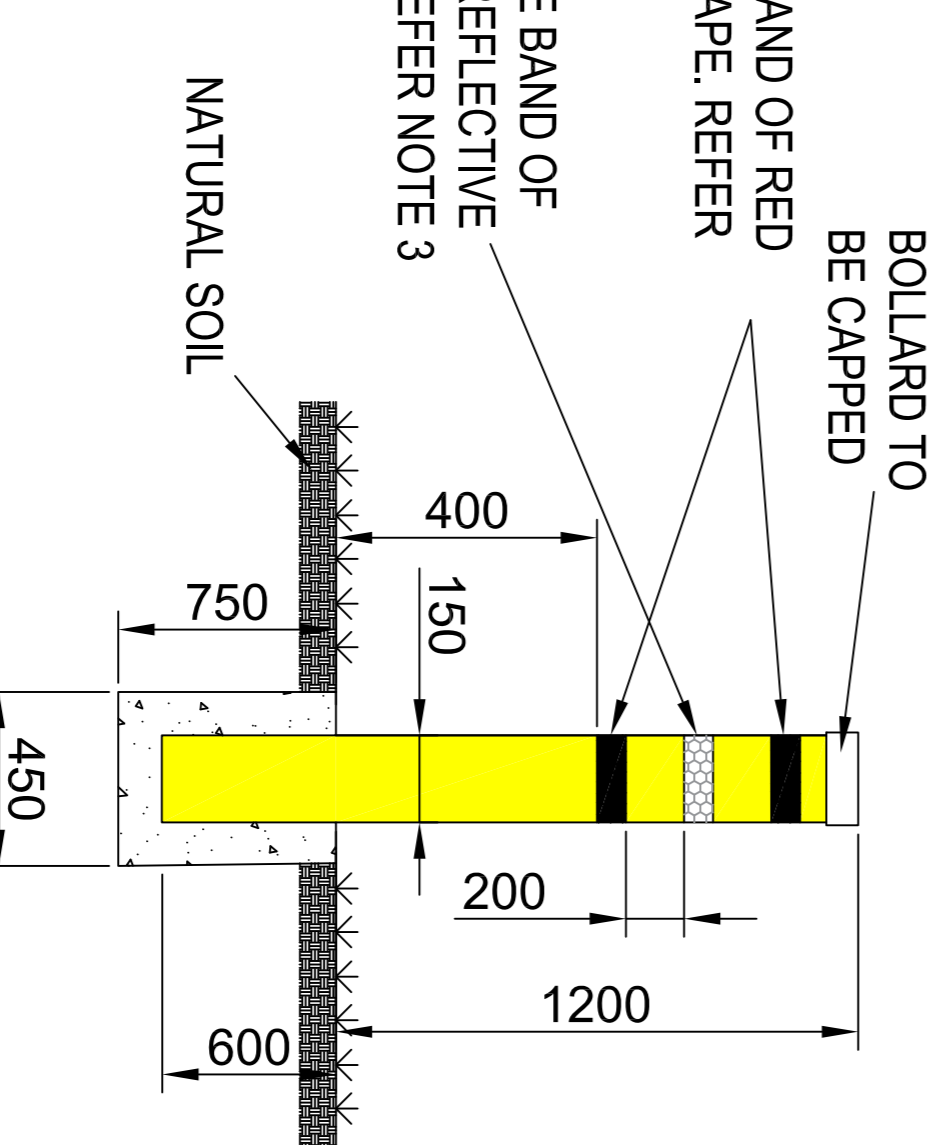
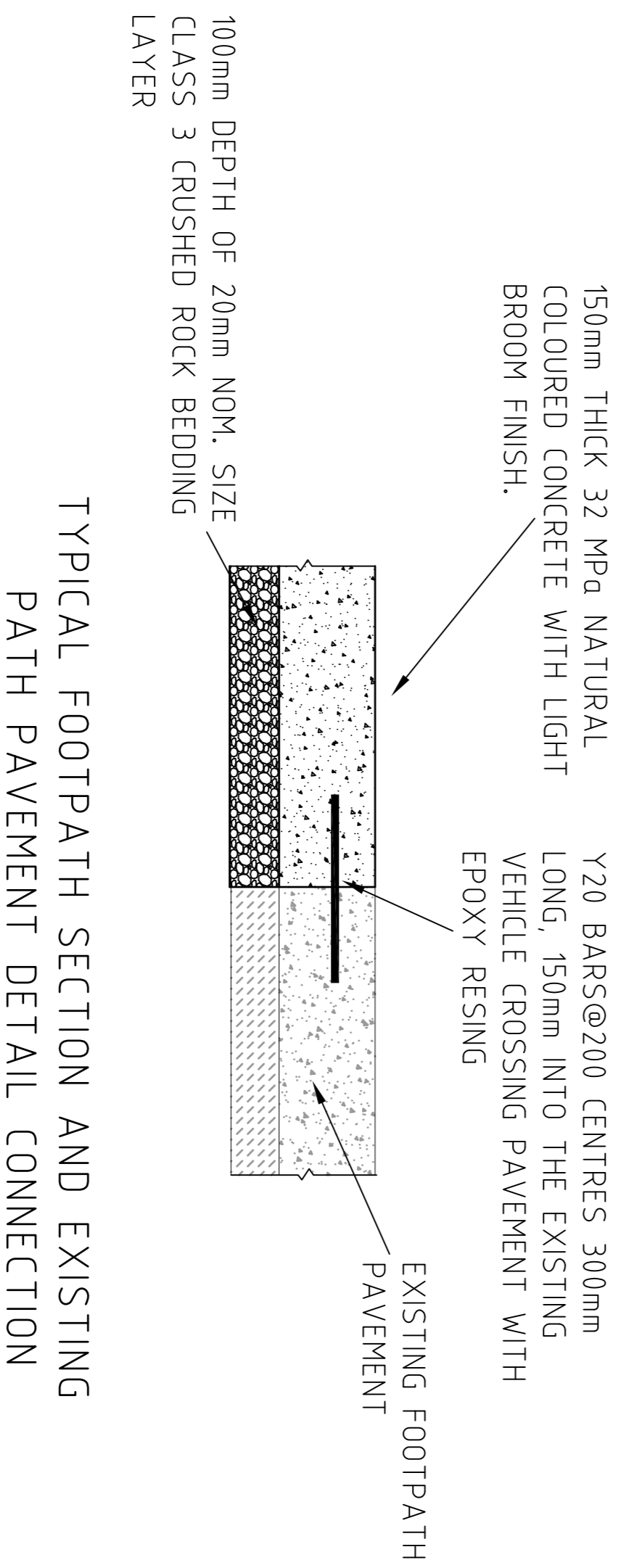
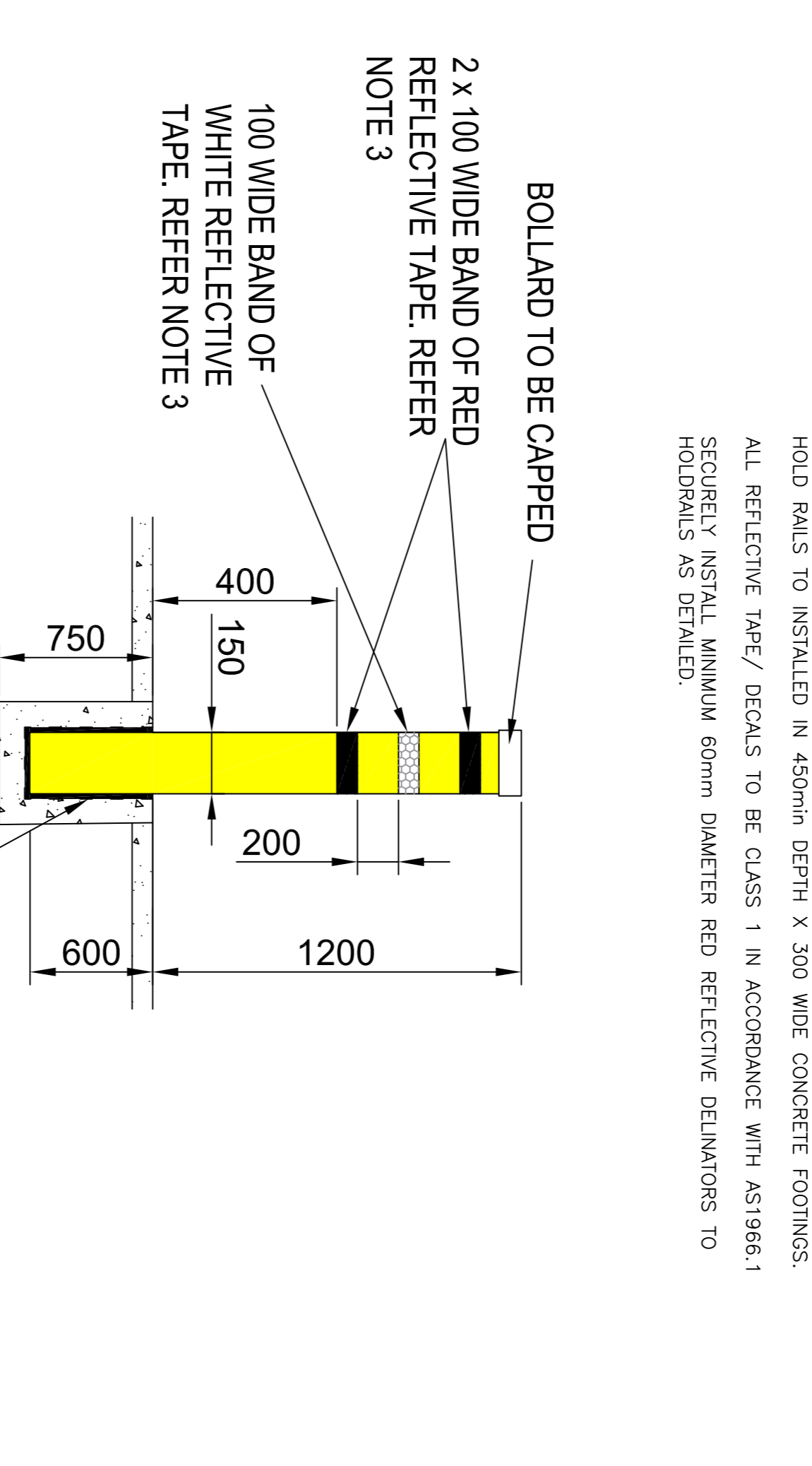
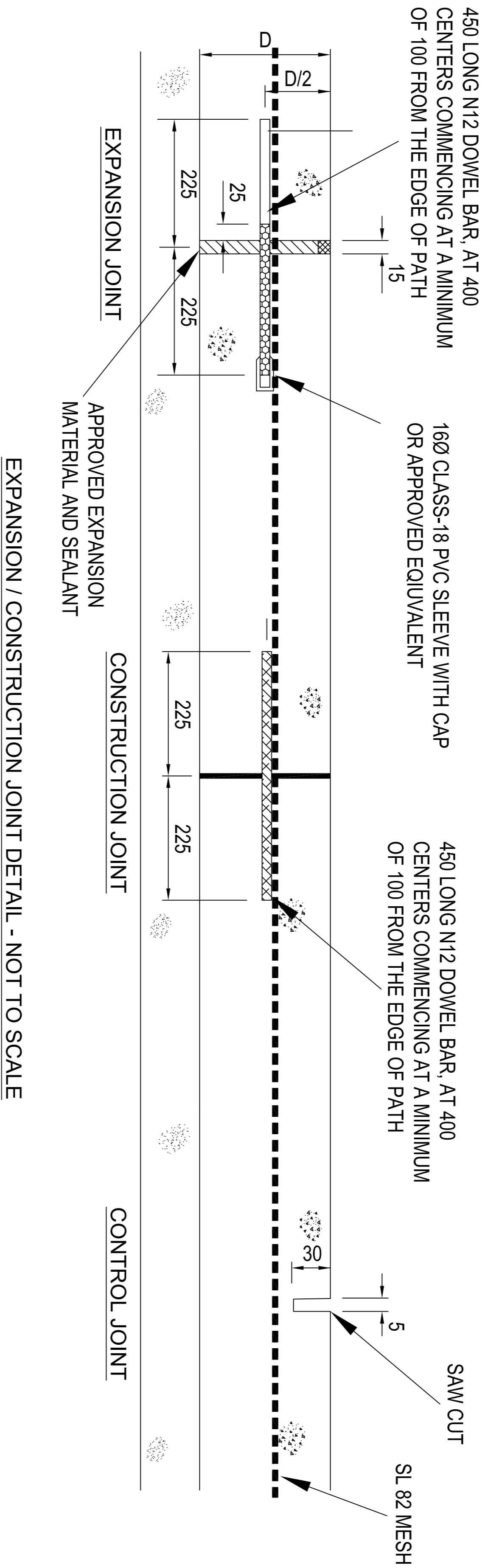
CIVIL ROAD SOLUTIONS P/L 60 Thompson Street, Avondale Heights, 3034 Phone: (03) 9331 4683, Mob: 0402 231310 Email: rfmre@civilroadsolutions.com ABN 13 151 174 104		SURVEYED BY: MOONLAND GROUP		PROJECT MANAGER NAME: YAN YEAN DATE: 12/9/2019		TEAM LEADER DESIGN & DELIVERY NAME: PEER CHECK DATE: 12/9/2019		 CITY OF WHITTLESEA YAN YEAN PIPE TRACK MOORHEAD DRIVE TO CENTENARY DRIVE, MILLPARK - STAGE 4 PROPOSED SHARED PATH LOCALITY PLAN & DRAWING INDEX		DRAWING NO. A13296	Engineering File No.
DESIGNED RI	DATE: 29/11/2019	CHECKED TI	DATE: xx/xx/xx	CAD FILE:	YAN YEAN 129SP1	DATE:		SCALE	1:250		
DRAWN RI	DATE: 29/11/2019	APPROVED XX	DATE: xx/xx/xx	DATUM:	A.H.D	DATE:		SHEET	1 OF 21		
AMENDMENTS	REV	DATE	AMENDMENTS	REV	DATE	AMENDMENTS	REV	DATE	AMENDMENTS	REV	DATE

CRS Dwg. No.	1296
CRS Revision No.	P2



NOTES:

- HOLD RAILS TO BE INSTALLED ARE TO AUSTRALIAN STANDARDS.
- 50MM Ø/D YELLOW POWDERCOATED TUBE TO BE INSERTED PARALLEL WITH EXISTING SURFACE, UNLESS DIRECTED OTHERWISE.
- HOLD RAILS TO INSTALLED IN 450mm DEPTH X 300 WIDE CONCRETE FOOTINGS.
- ALL REFLECTIVE TAPE/ DECALS TO BE CLASS 1 IN ACCORDANCE WITH AS1986.1
- SECURELY INSTALL MINIMUM 60mm DIAMETER RED REFLECTIVE DELIMATORS TO HOLDRAILS AS DETAILED.



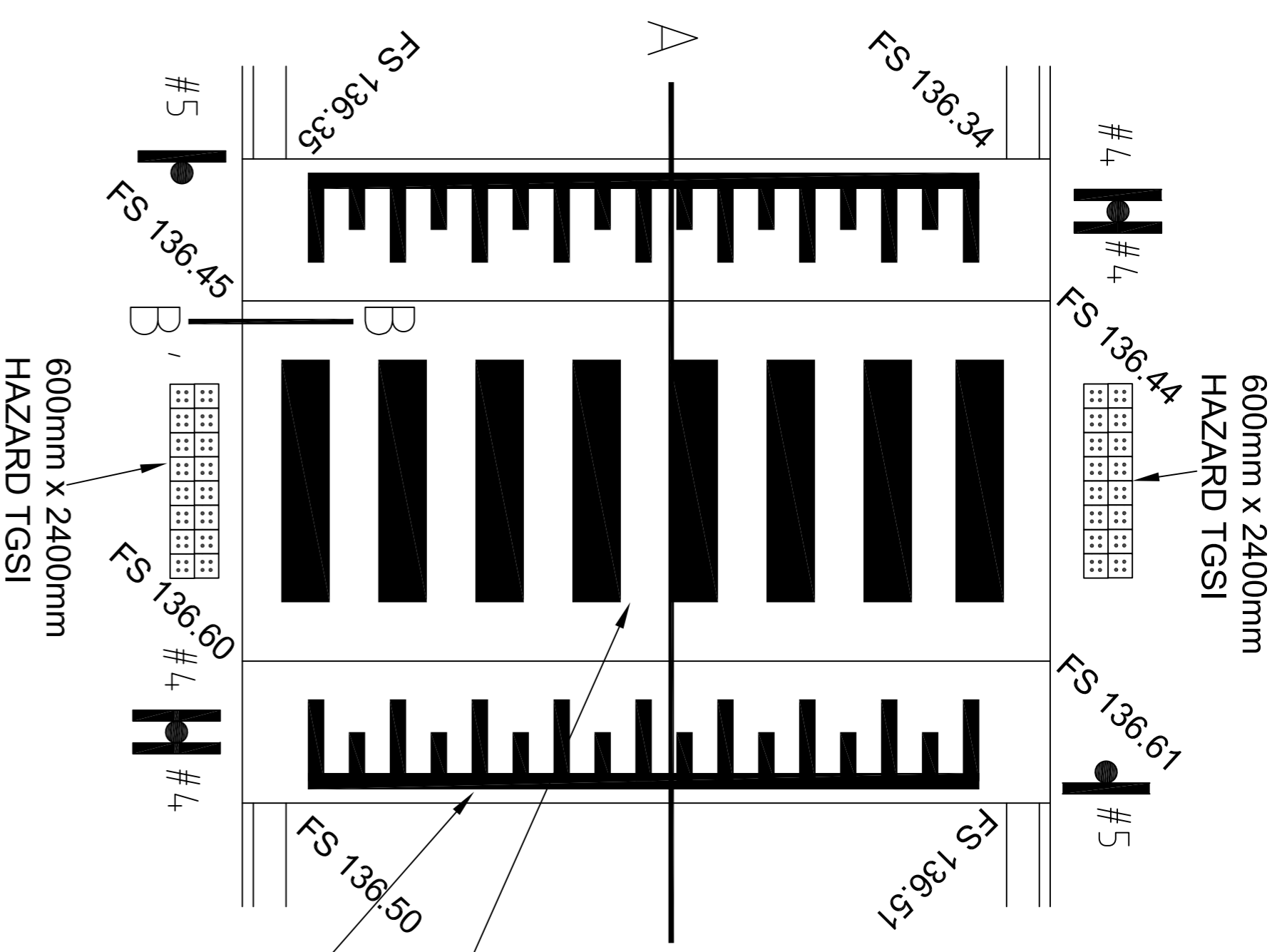
- LOCKABLE BOLLARD NOTES**
1. PARKS AND OPEN SPACE TO CONFIRM IF A LOCKABLE OR STANDARD BOLLARD IS REQUIRED FOR CENTRAL BOLLARD
 2. BOLLARD TO BE GALVANISED STEEL TO BE POWDER COATED IN AS 2700-1996 "Y11 CANARY YELLOW". PREHEAT TUBE BEFORE COATING.
 3. REFLECTIVE TAPE TO BE CLASS 1A RETROREFLECTIVE SHEETING

FIXED BOLLARD DETAIL

<p>CIVIL ROAD SOLUTIONS P/L 60 Thompson Street, Avondale Heights, 3034 Phone: (03) 9331 4683, Mob: 0402 231310 Email: rfmre@civilroadsolutions.com ABN 13 151 174 104</p>		<p>PROJECT MANAGER SURVEYED BY: MOONLAND GROUP NAME: YAN YEAN 1295P1 DATE: 29/11/2019</p>		<p>TEAM LEADER DESIGN & DELIVERY NAME: YAN YEAN 1295P1 DATE: 29/11/2019</p>	
<p>DESIGNED BY NAME: YAN YEAN 1295P1 DATE: 29/11/2019</p>		<p>CHECKED BY NAME: YAN YEAN 1295P1 DATE: 29/11/2019</p>		<p>APPROVED BY NAME: YAN YEAN 1295P1 DATE: 29/11/2019</p>	
<p>DATE</p>		<p>AMENDMENTS</p>		<p>DATE</p>	
<p>DATE</p>		<p>AMENDMENTS</p>		<p>DATE</p>	

CRS Dwg. No.	1296
CRS Revision No.	P2

<p>CITY OF WHITTLESEA YAN YEAN PIPE TRACK MOORHEAD DRIVE TO CENTENARY DRIVE, MILLPARK - STAGE 4 PROPOSED SHARED PATH PAVEMENT AND BOLLARD DETAILS</p>	<p>DRAWING NO. A13296</p> <p>Engineering File No.</p> <p>SCALE 1:250</p> <p>SHEET 3 OF 21</p>
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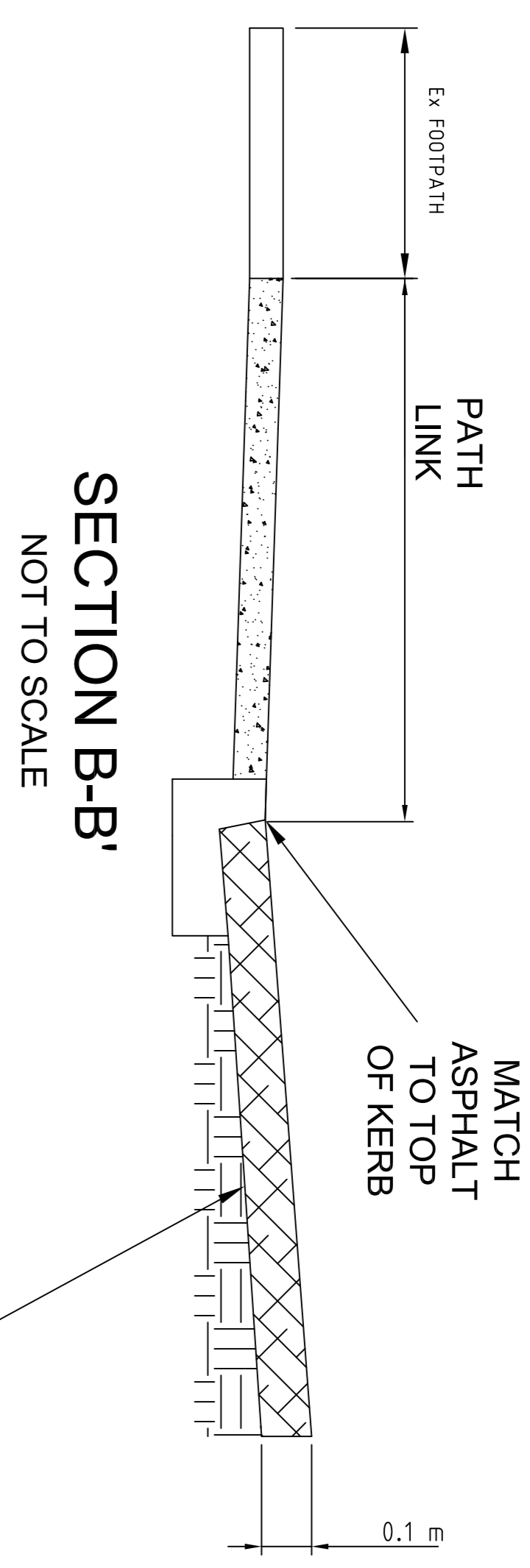


RAISED PAVEMENT DETAIL

NOT TO SCALE

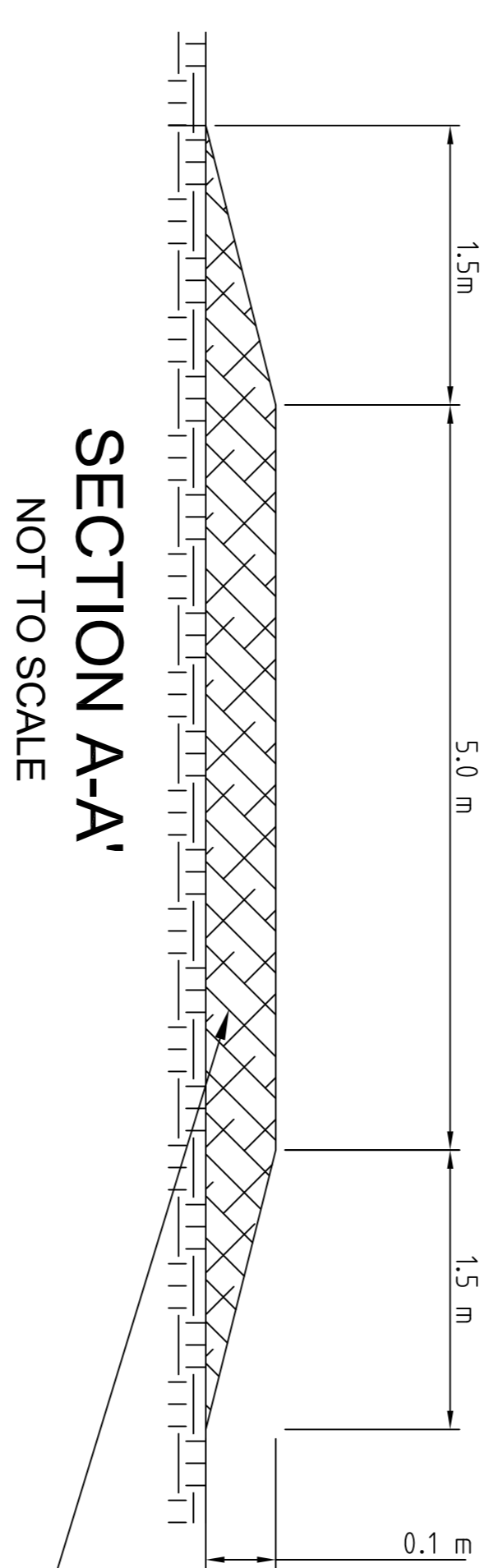
600 mm WIDE PEDESTRIAN CROSSING LINE MARKING. LONG LIFE THERMOPLASTIC TO BE USED

PIANO KEY LINE MARKING AS PER DETAIL



SECTION B-B'

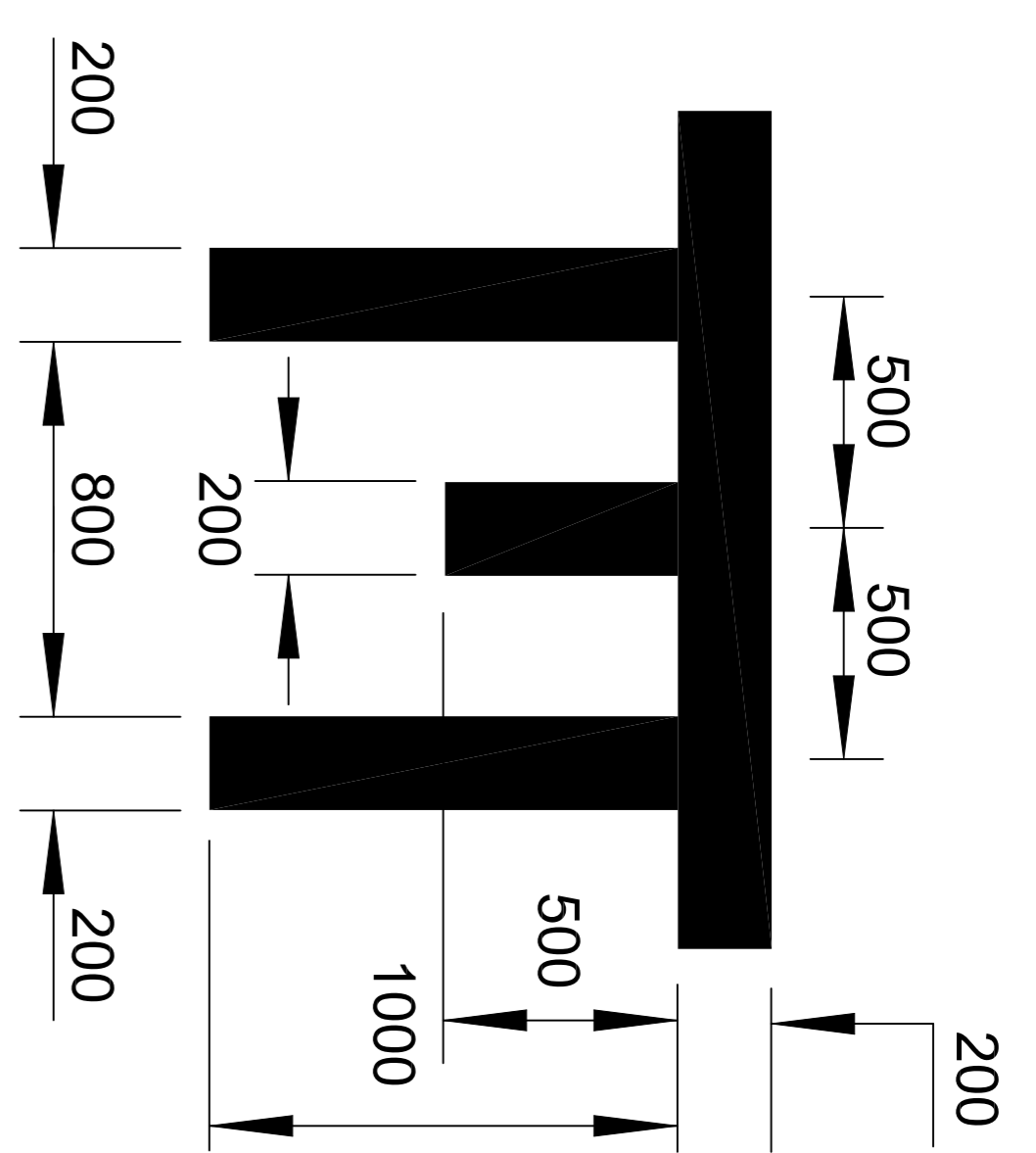
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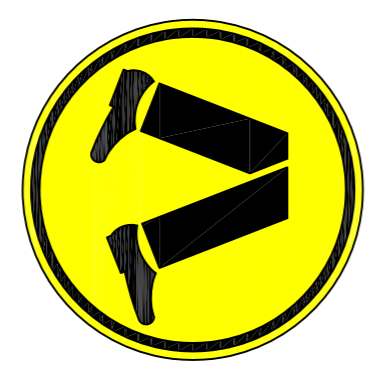
SECTION A-A'

NOT TO SCALE

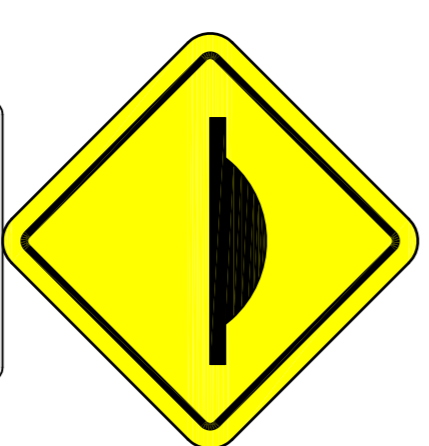
- LINE MARKING NOTES**
1. LONGITUDINAL LINE MARKING (CENTER & PARKING LANE LINES) TO BE 3mm THICKNESS THERMO APPLIED PLASTIC
 2. RAISED PAVEMENT LINE MARKING TO BE 2mm THICKNESS COLD APPLIED PLASTIC.



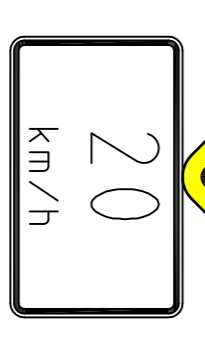
RAISED PAVEMENT LINE MARKING DETAILS



#4 R3-1A



#5 W5 - 10A

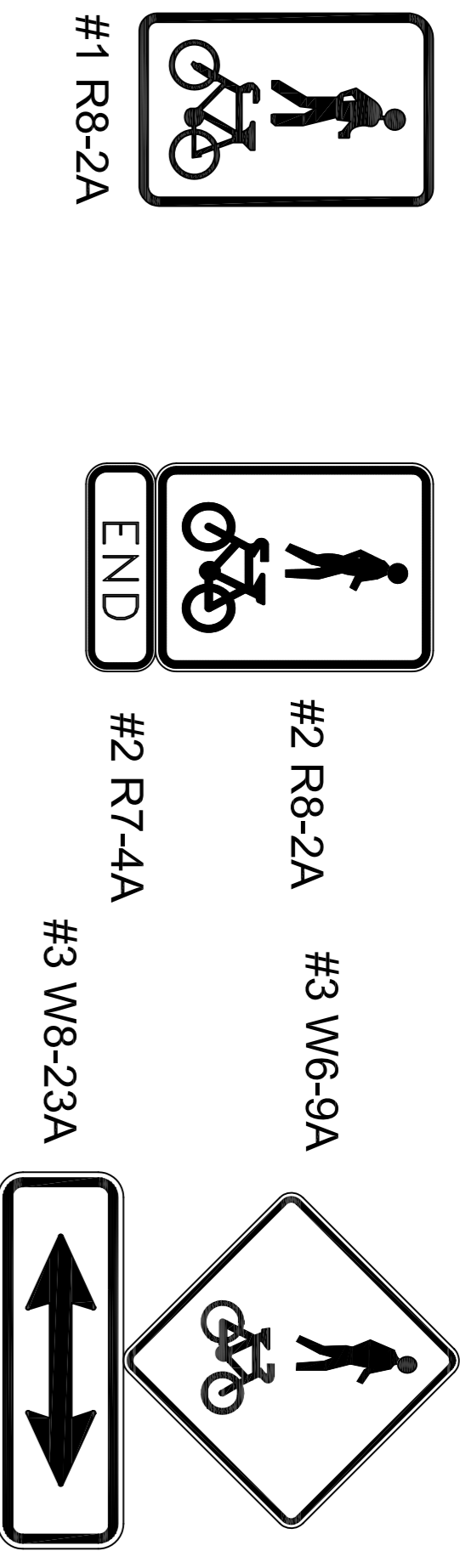


20 km/h

#5 W8 - 2A

CIVIL ROAD SOLUTIONS P/L 60 Thompson Street, Avondale Heights, 3034 Phone: (03) 9331 4683, Mob: 0402 231310 Email: rimrex@civillroadsolutions.com ABN 13 151 174 104		SURVEYED BY: MOONLAND GROUP		PROJECT MANAGER NAME: YAN YEAN 1295P1 DATE:		TEAM LEADER DESIGN & DELIVERY NAME: APPROVED: MANAGER CITY DESIGN & TRANSPORT DATE:		CITY OF WHITTLESEA YAN YEAN PIPE TRACK MOORHEAD DRIVE TO CENTENARY DRIVE, MILLPARK - STAGE 4 PROPOSED SHARED PATH RAISED PAVEMENT DETAILS		DRAWING NO. A13296	
DESIGNED RI	DATE: 29/11/2019	CHECKED TI	DATE: xx/xx/xx	CAD FILE:	YAN YEAN 1295P1	DATE:		ENGINEERING FILE NO.		SCALE	1:250
DRAWN RI	DATE: 29/11/2019	APPROVED XX	DATE: xx/xx/xx	DATUM: A.H.D		DATE:		Engineering File No.		SHEET	4 OF 21
AMENDMENTS	REV	DATE	AMENDMENTS	REV	DATE	AMENDMENTS	REV	DATE	AMENDMENTS	REV	DATE

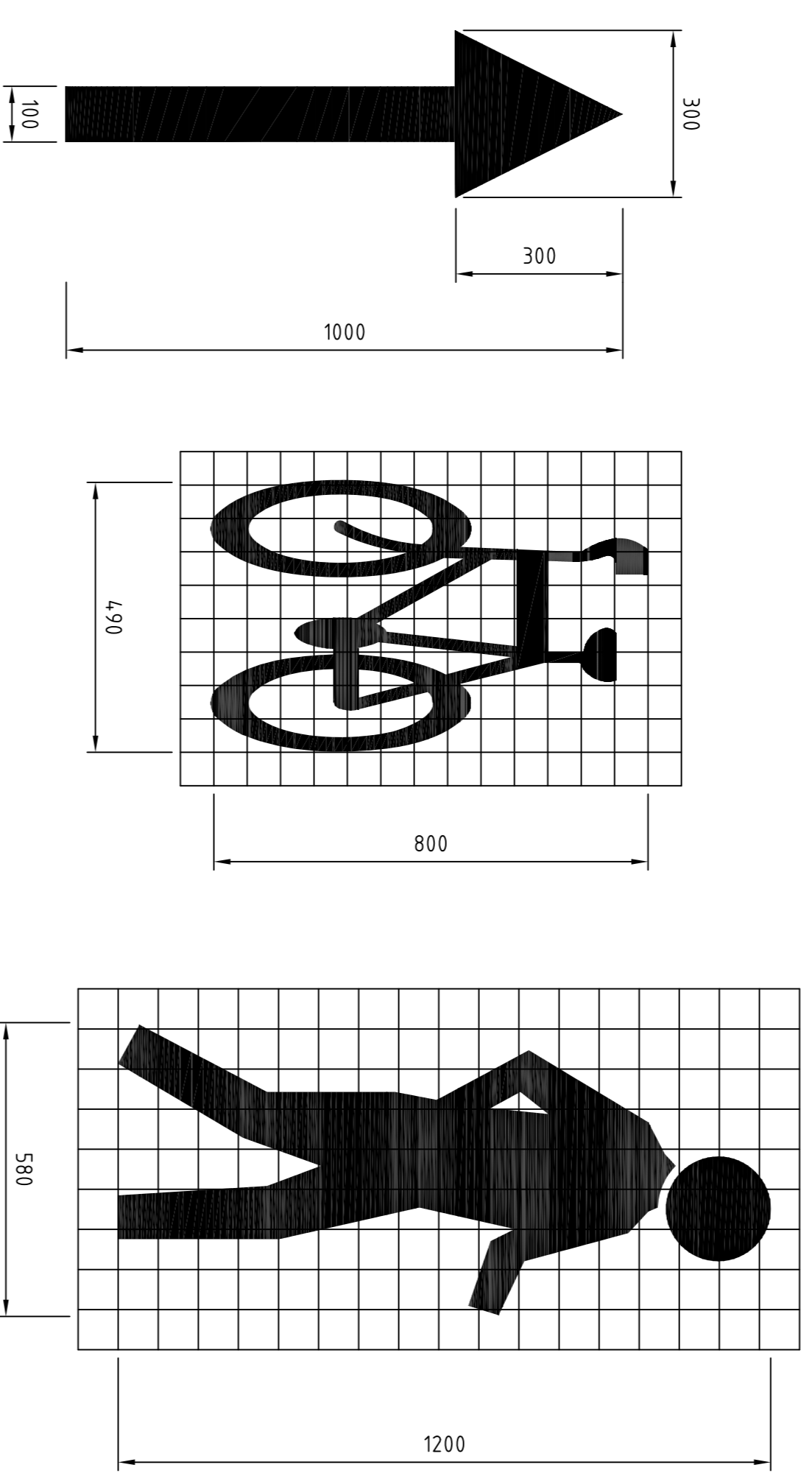
CRS Dwg. No.	1296
CRS Revision No.	P2



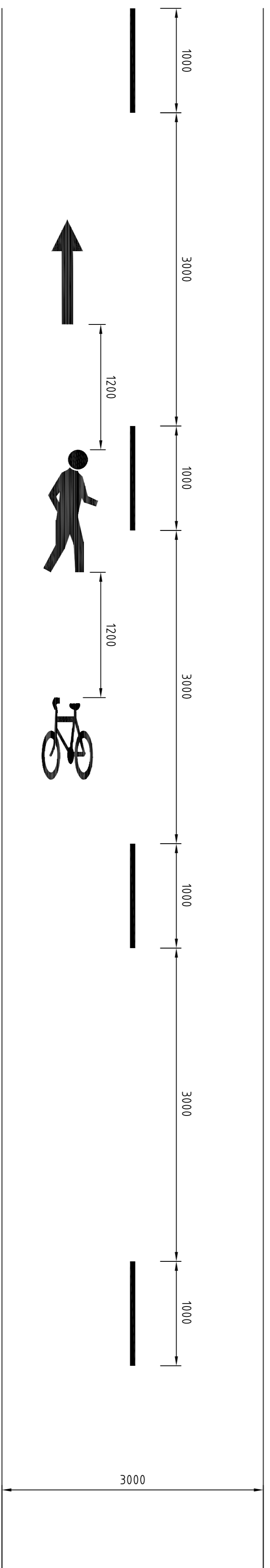
SIGN
SCHEDULE

SIGNAGE NOTES:

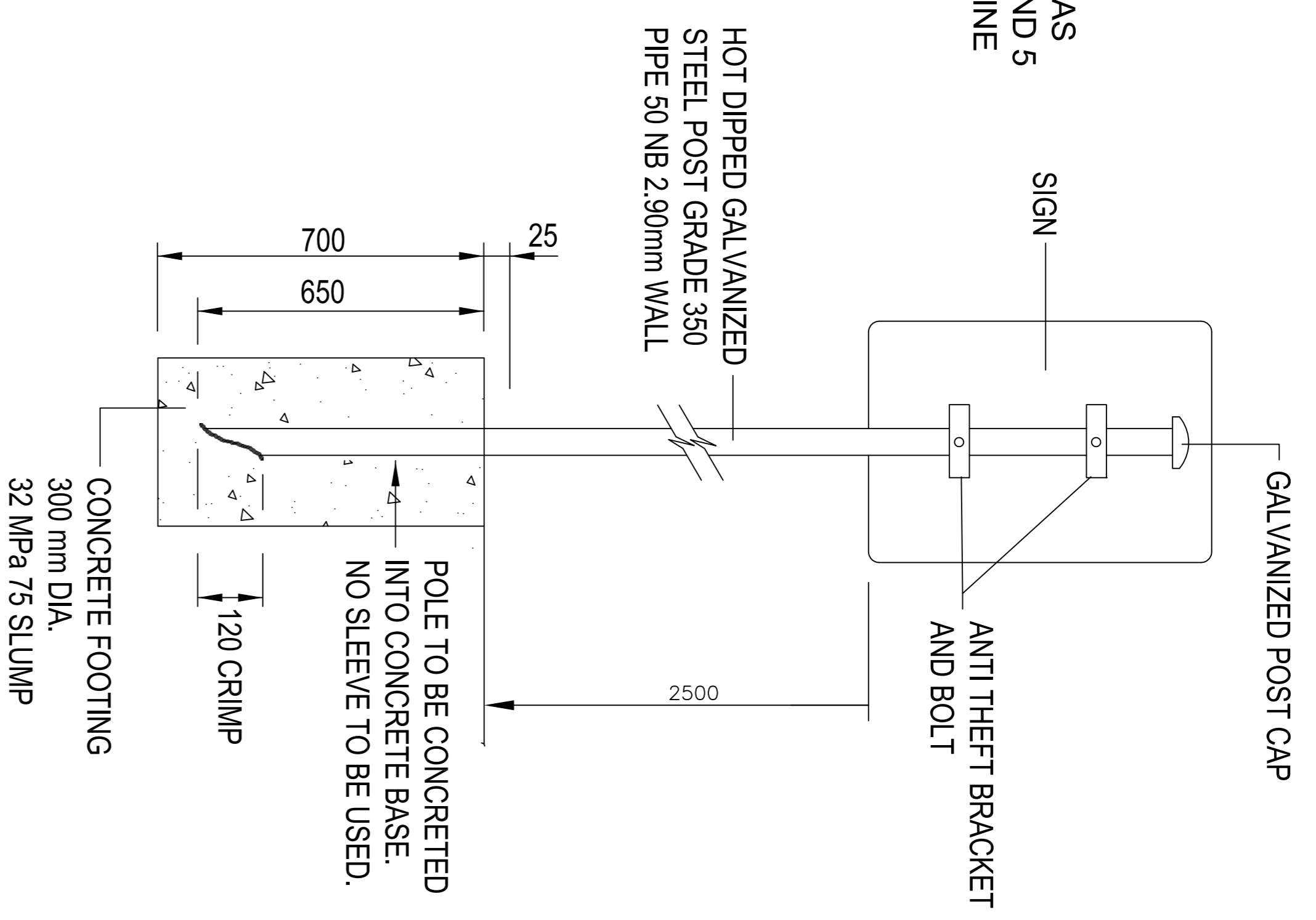
1. THE FOLLOWING SPECIFICATIONS APPLY; AS 1743-1992 ROAD SIGN SPECIFICATION AS 1742.1 (1991), AS 1742.2 (1994) AND AS 1742.5 (1997) AS 1742 MANUAL AND UNIFORM TRAFFIC CONTROL DEVICES PARTS 1, 2 AND 5 VICROADS-TRAFFIC ENGINEERING MANUAL VOLUME 2 SIGNAGE AND LINE MARKING.
2. AS 4792 HOT DIP GALVANISING.
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.



BICYCLE PEDESTRIAN AND ARROW PAVEMENT SYMBOLS TO AS1742.9 GROUPS SPACED AT NO MORE THAN 200m CENTRES ALONG ENTIRE LENGTH OF SHARED PATH.



CIVIL ROAD SOLUTIONS P/L

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

DESIGNED BY	YAN YEAN
CHECKED BY	PEER
DATE	29/11/2019
APPROVED BY	XX
DATE	29/11/2019

SURVEYED BY:

MOONLAND GROUP

DATE	29/11/2019
APPROVED BY	XX
DATE	29/11/2019

PROJECT MANAGER

NAME: YAN YEAN

DATE	12/05/21
------	----------

TEAM LEADER DESIGN & DELIVERY

NAME: PEER

DATE	12/05/21
------	----------

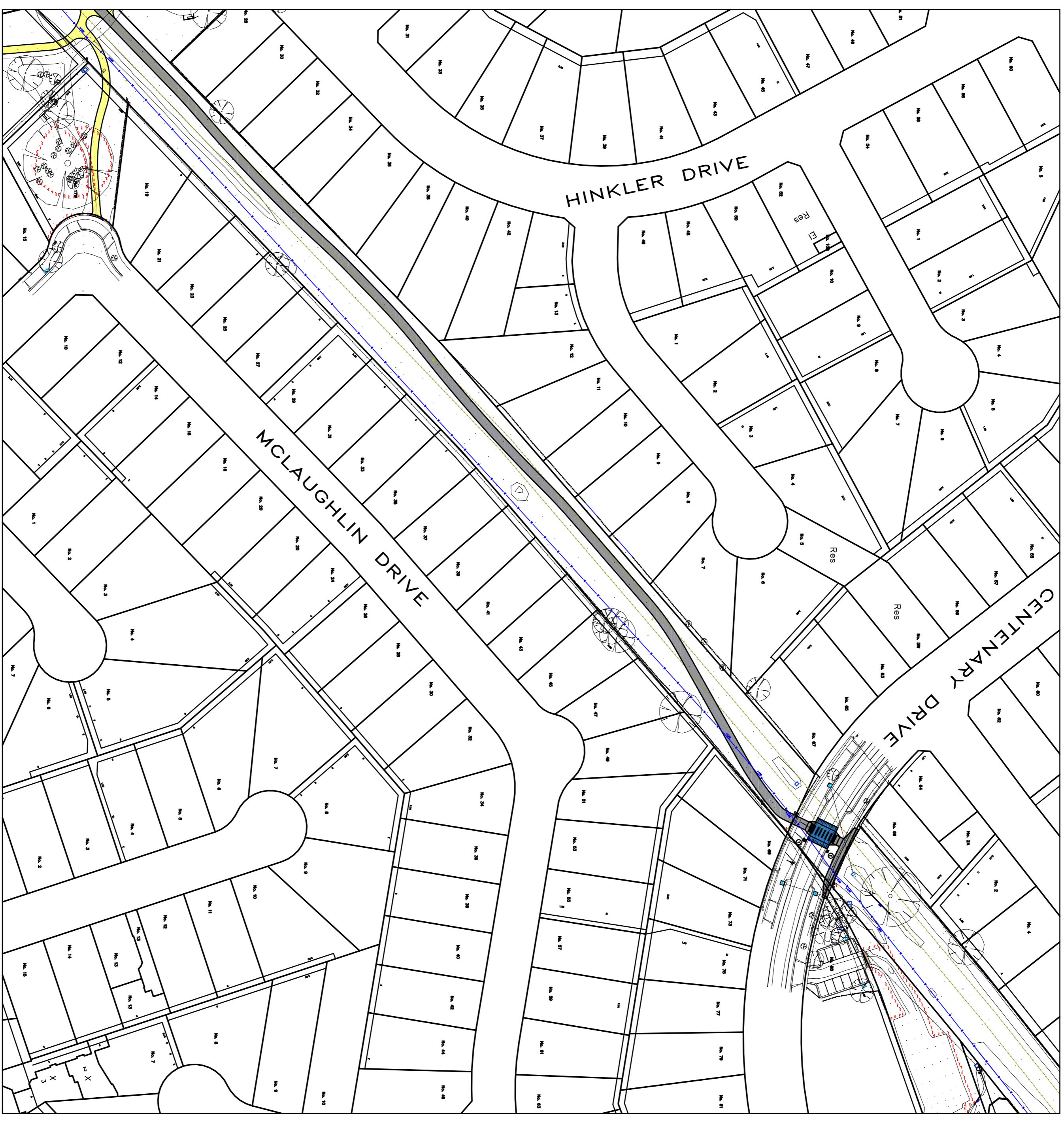
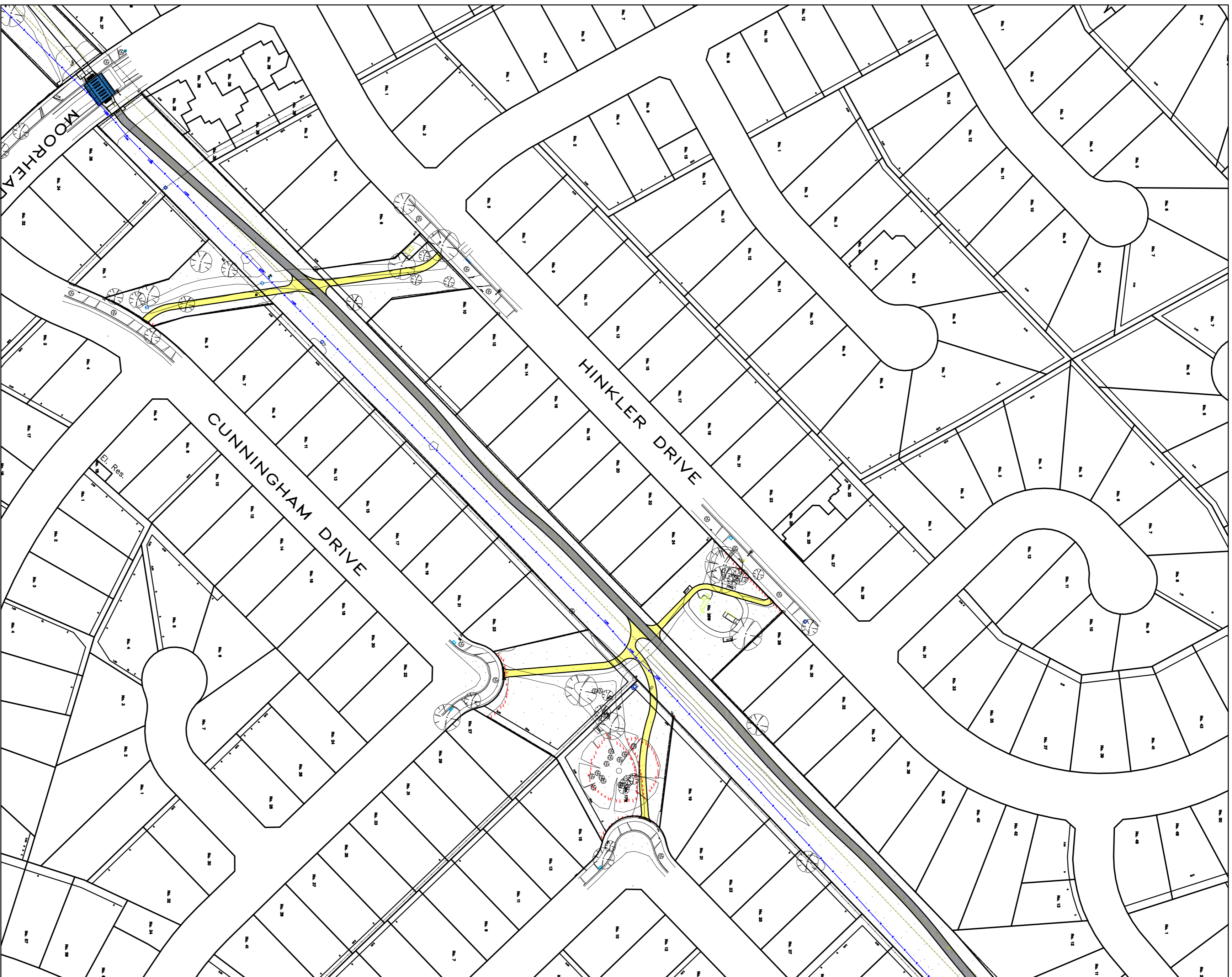
CITY OF WHITTLESEA

YAN YEAN PIPE TRACK
MOORHEAD DRIVE, MILLPARK - STAGE 4
PROPOSED SHARED PATH
SIGNAGE & LINEMARKING DETAILS

DRAWING NO. **A13296**

Engineering File No.	
SCALE	1:250
SHEET	5 OF 21

CRS Dwg. No.	1296
CRS Revision No.	P2



CIVIL ROAD SOLUTIONS P/L

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

DESIGNED BY	YAN YEAN	CHECKED BY	YAN YEAN
DATE	29/11/2019	DATE	xx/xx/xx
DRAWN BY	YAN YEAN	APPROVED BY	xx/xx/xx
DATE	29/11/2019	DATE	xx/xx/xx

SURVEYED BY:
MOONLAND GROUP

CAD FILE:
YAN YEAN 1285P1

DATUM: A.H.D

PROJECT MANAGER

NAME:
DESIGN & DELIVERY TEAM MEMBER
PEER CHECK

DATE:
DATE:
DATE:

TEAM LEADER DESIGN & DELIVERY

NAME:
APPROVED MANAGER CITY DESIGN & TRANSPORT

DATE:
DATE:
DATE:



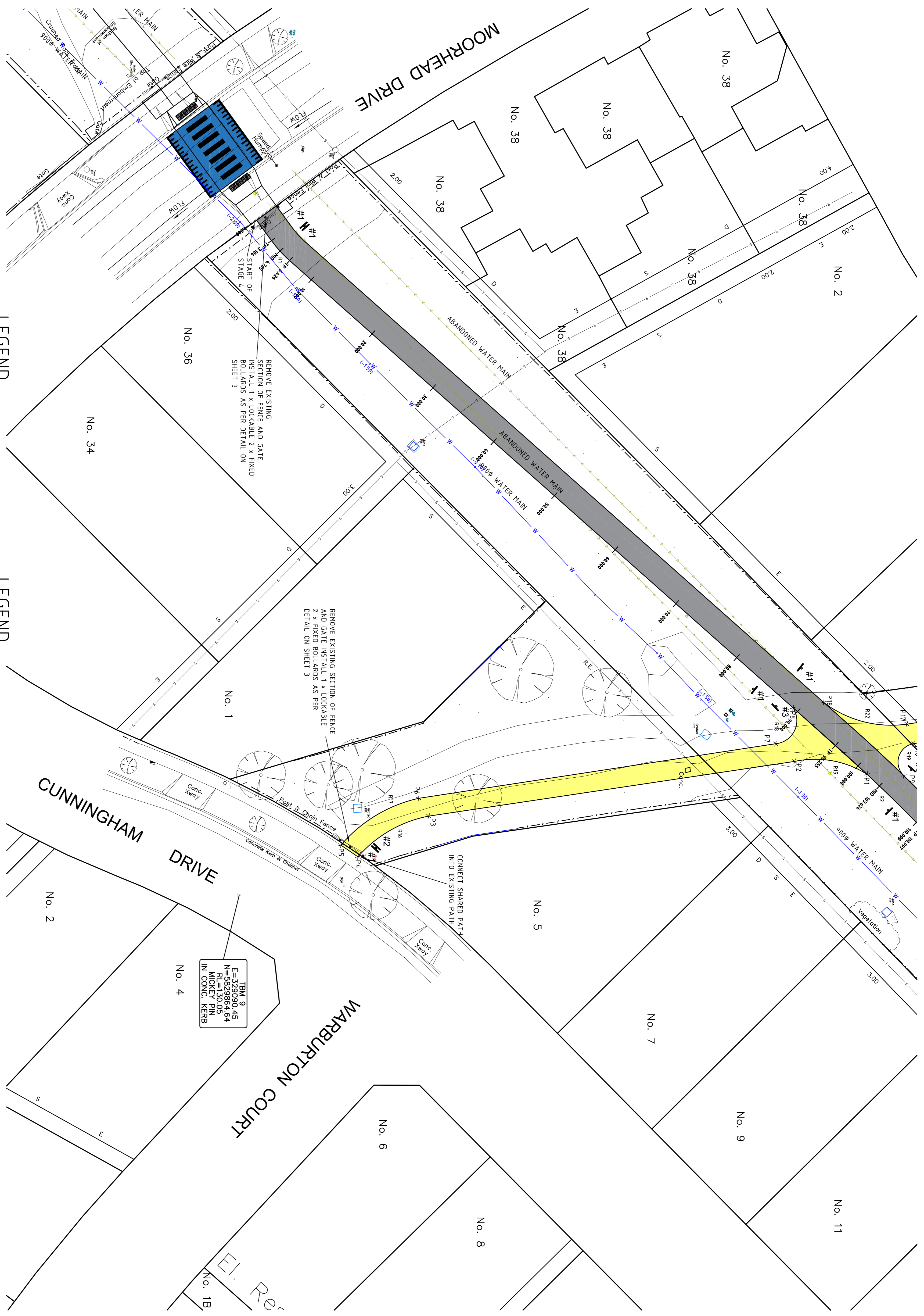
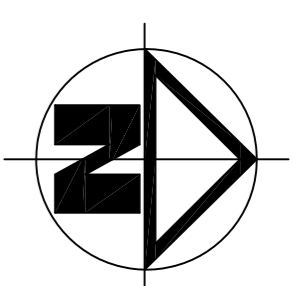
CITY OF WHITTLESEA

YAN YEAN PIPE TRACK

MOORHEAD DRIVE TO CENTENARY DRIVE, MILLPARK - STAGE 4 PROPOSED SHARED PATH ALIGNMENT PLAN

CRS Dwg. No. 1296
 CRS Revision No. P2

Drawing No. **A13296**
 Engineering File No.
 SCALE 1:1000
 SHEET 6 OF 21



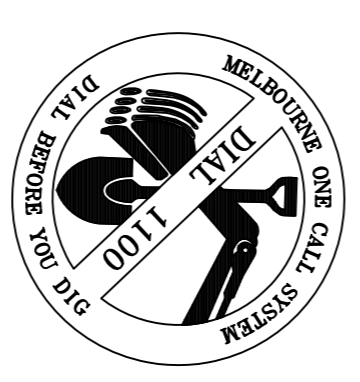
LEGEND

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

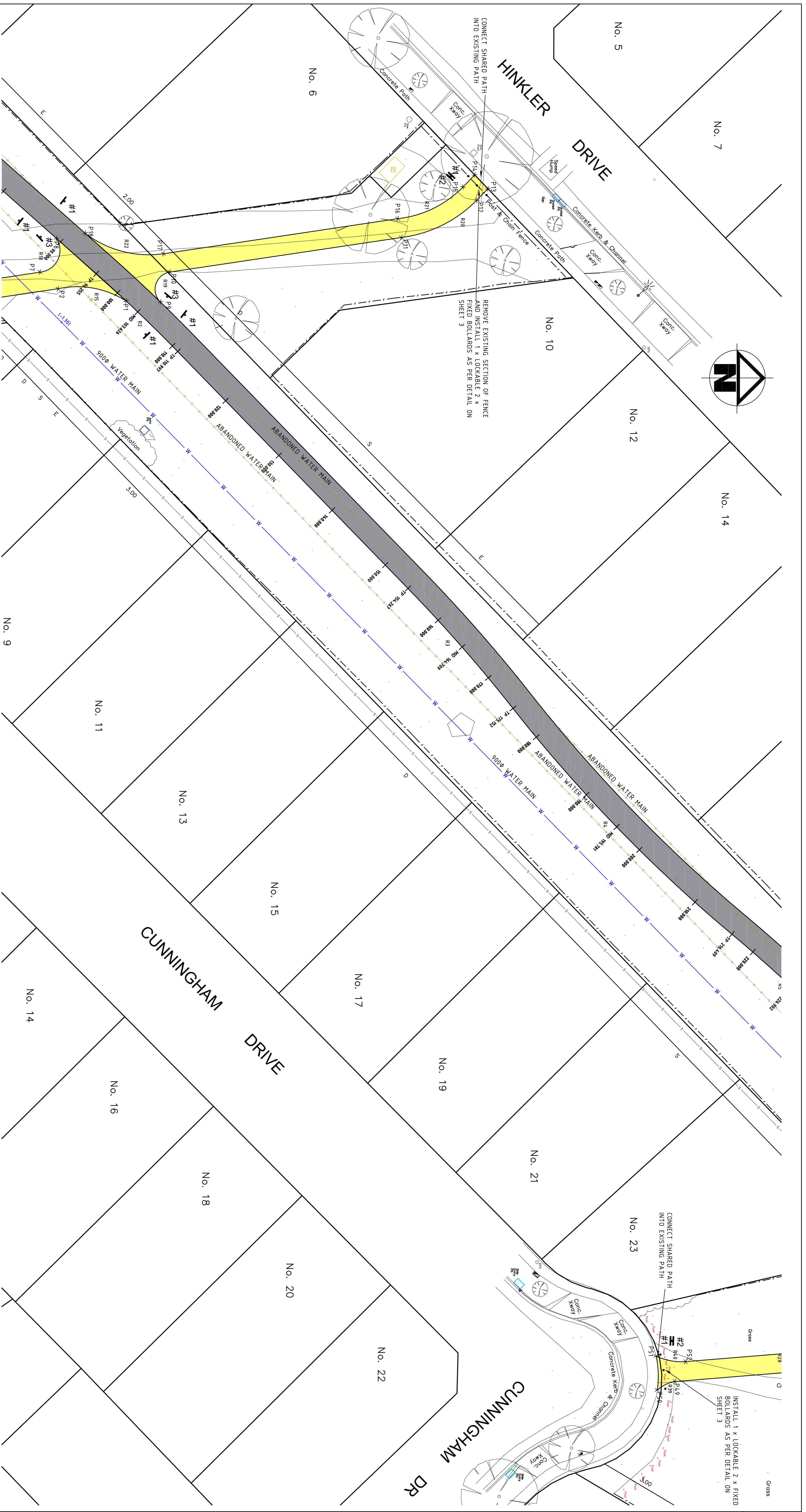
LEGEND

CONSTRUCT 150mm DEPTH CONCRETE SHARED PATH (NOMINAL 2.50m WIDTH) (REFER TO SHEET 3 FOR DETAILS)

WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATION OF UNDERGROUND SERVICES ARE SHOWN ON THIS PLAN AND AS SHOWN. EXACT POSITION SHOULD BE PROVIDED ON SITE. NO GUARANTEE IS GIVEN THAT ALL SERVICES ARE SHOWN. THE CONTRACTOR MUST VERIFY ALL SERVICES ON SITE PRIOR TO ANY EXCAVATION WORKS.

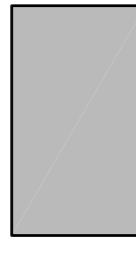



CIVIL ROAD SOLUTIONS P/L 60 Thompson Street, Avondale Heights, 3034 Phone: (03) 9331 4683, Mob: 0402 231310 Email: rimre@civilroadsolutions.com ABN 13 151 174 104		PROJECT MANAGER NAME: YAN YEAN DATE: 29/11/2019		TEAM LEADER DESIGN & DELIVERY NAME: PEER CHECK DATE:		CITY OF WHITTLESEA YAN YEAN PIPE TRACK MOORHEAD DRIVE TO CENTENARY DRIVE, MILLPARK - STAGE 4 PROPOSED SHARED PATH DETAIL PLAN	
DESIGNED BY	YAN YEAN	CHECKED BY	PEER CHECK	DATE	29/11/2019	DRAWING NO.	A13296
DATE	29/11/2019	DATE	xx/xx/xx	SCALE	1:250	CRS Dwg. No.	1296
AMENDMENTS	REV	DATE	AMENDMENTS	REV	DATE	CRS Revision No.	P2
DATE			AMENDMENTS	REV	DATE		



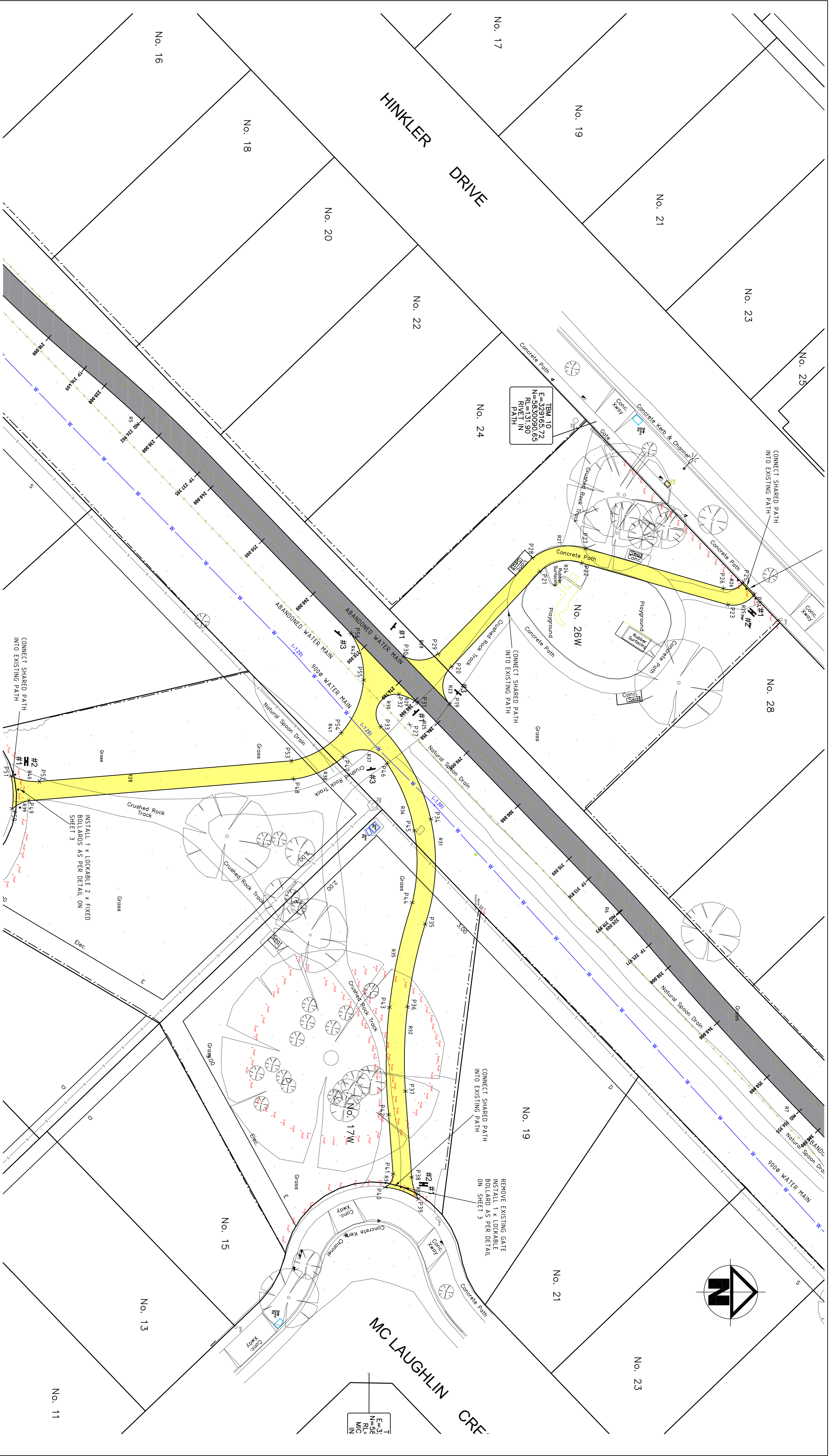
WARNING
BEWARE OF UNDERGROUND SERVICES
 THE LOCATION OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL SERVICES ARE SHOWN. THE CONTRACTOR MUST VERIFY ALL SERVICES ON SITE PRIOR TO ANY EXCAVATION WORKS.



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

LEGEND
 CONSTRUCT 150mm DEPTH CONCRETE SHARED PATH (NOMINAL 2.50m WIDTH) (REFER TO SHEET 3 FOR DETAILS)

DATE		AMENDMENTS		REV		DATE		AMENDMENTS		REV		DATE		AMENDMENTS	
<p>CIVIL ROAD SOLUTIONS P/L 60 Thompson Street, Avondale Heights, 3034 Phone: (03) 9331 4683, Mob: 0402 231310 Email: rimrex@civillroadsolutions.com ABN 13 151 174 104</p>															
DESIGNED BY: MOONLAND GROUP				CHECKED BY: YAN YEAN				DATE: 29/11/2019				DATE: 29/11/2019			
DRAWN BY: YAN YEAN				DATE: 29/11/2019				APPROVED BY: YAN YEAN				DATE: 29/11/2019			
PROJECT MANAGER: YAN YEAN				DATE: 29/11/2019				TEAM LEADER DESIGN & DELIVERY: YAN YEAN				DATE: 29/11/2019			
CITY OF WHITTLESEA				YAN YEAN PIPE TRACK				MOORHEAD DRIVE TO CENTENARY DRIVE, MILLPARK - STAGE 4				PROPOSED SHARED PATH			
DRAWING NO. A13296		Engineering File No.		CRS Dwg. No. 1296		CRS Revision No. P2		SCALE 1:250		SHEET 9 OF 21					



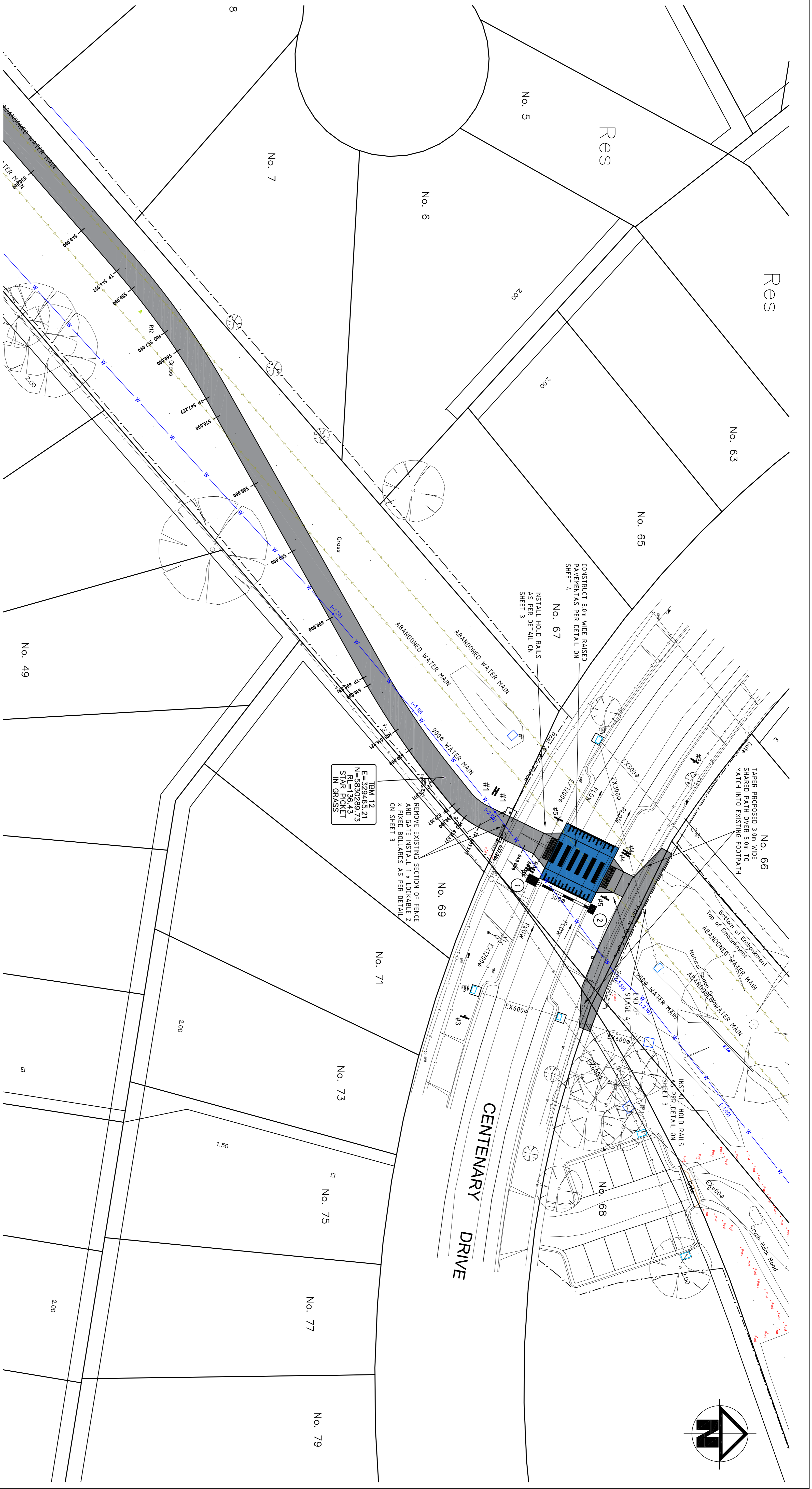
WARNING
Beware of Underground Services
 THE LOCATION OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL SERVICES ARE SHOWN. THE CONTRACTOR MUST VERIFY ALL SERVICES ON SITE PRIOR TO ANY EXCAVATION WORKS.



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

LEGEND
 CONSTRUCT 150mm DEPTH CONCRETE SHARED PATH (NOMINAL 2.50m 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: rfm@civilroadsolutions.com ABN 13 151 174 104		PROJECT MANAGER SURVEYED BY: MOONLAND GROUP NAME: YAN YEAN DATE: 12/9/11		TEAM LEADER DESIGN & DELIVERY NAME: TRANSPORT DATE:	
CITY OF WHITTLESEA YAN YEAN PIPE TRACK MOORHEAD DRIVE TO CENTENARY DRIVE, MILLPARK - STAGE 4 PROPOSED SHARED PATH DETAIL PLAN		DRAWING NO. A13296		ENGINEERING FILE NO. 1296	
DATE 29/11/2019		DATE 29/11/2019		SCALE 1:250	
AMENDMENTS		AMENDMENTS		SHEET 9 OF 21	



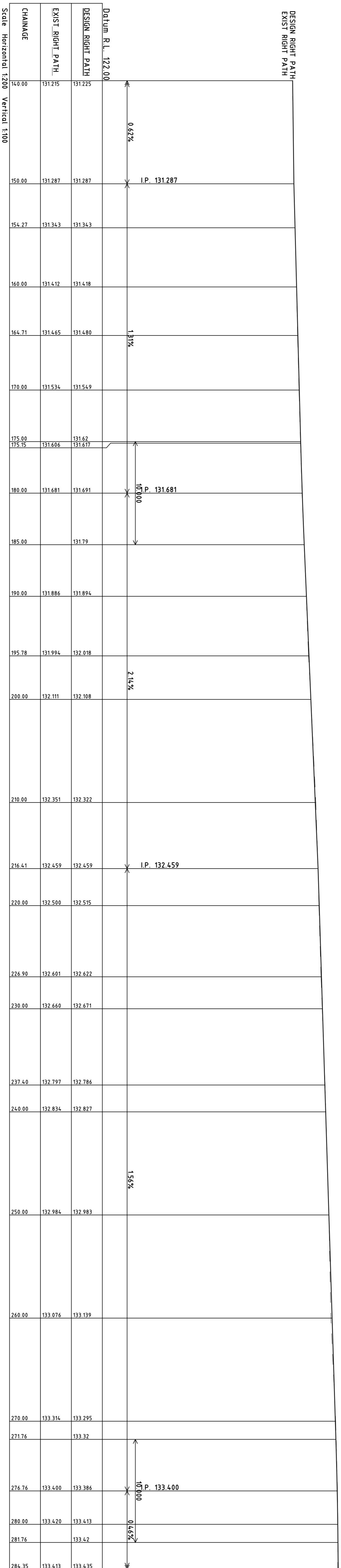
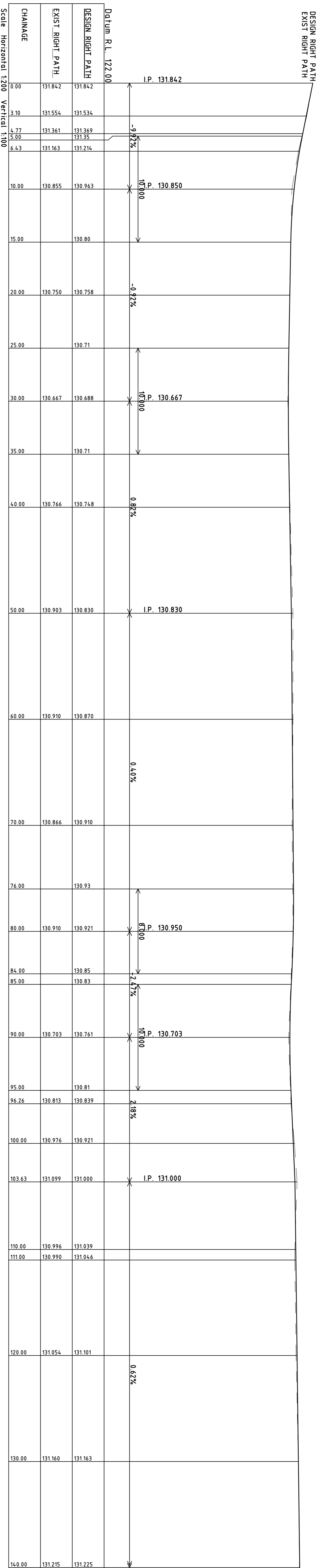
WARNING
BEWARE OF UNDERGROUND SERVICES
 THE LOCATION OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL SERVICES ARE SHOWN. THE CONTRACTOR MUST VERIFY ALL SERVICES ON SITE PRIOR TO ANY EXCAVATION WORKS.



LEGEND
 CONSTRUCT: 150mm DEPTH CONCRETE SHARED PATH (MINIMUM 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: rlimre@civilroadsolutions.com ABN 13 151 174 104		SURVEYED BY: MOONLAND GROUP NAME: YAN YEAN DATE: 12/28/11 CAD FILE: YAN YEAN 1285P1		PROJECT MANAGER NAME: PEER CHECK DATE:		TEAM LEADER DESIGN & DELIVERY NAME: TRANSPORT DATE:		CITY OF WHITTLESEA YAN YEAN PIPE TRACK MOORHEAD DRIVE TO CENTENARY DRIVE, MILLPARK - STAGE 4 PROPOSED SHARED PATH DETAIL PLAN		DRAWING NO. A13296 Engineering File No.	
DATE 29/11/2019		DATE 29/11/2019		DATE 29/11/2019		DATE 29/11/2019		SCALE 1:250		SHEET 12 OF 21	

CRS Dwg. No.	1296
CRS Revision No.	P2




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 1295P1 DATUM: A.H.D		PROJECT MANAGER NAME: DESIGN & DELIVERY TEAM MEMBER PEER CHECK DATE:		TEAM LEADER DESIGN & DELIVERY NAME: APPROVED MANAGER CITY DESIGN & TRANSPORT DATE:		CITY OF WHITTLESEA YAN YEAN PIPE TRACK MOORHEAD DRIVE TO CENTENARY DRIVE, MILLPARK - STAGE 4 PROPOSED SHARED PATH LONGITUDINAL SECTIONS		DRAWING NO. A13296 Engineering File No.	
DESIGNED BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE					SCALE	1:250
DRAWN BY	DATE	APPROVED BY	DATE							SHEET	13 OF 21
AMENDMENTS	REV	DATE	AMENDMENTS	REV	DATE						

CRS Dwg. No. 1296
 CRS Revision No. P2

CHANGAGE	EXIST RIGHT PATH	DESIGN RIGHT PATH	EXIST RIGHT PATH	DESIGN RIGHT PATH
284.35	133.413	133.435	133.431	133.461
290.00	133.431	133.461	133.431	133.461
300.00	133.431	133.461	133.431	133.461
310.00	133.431	133.461	133.431	133.461
313.82	133.431	133.461	133.431	133.461
319.89	133.431	133.461	133.431	133.461
320.00	133.431	133.461	133.431	133.461
325.97	133.431	133.461	133.431	133.461
330.00	133.431	133.461	133.431	133.461
340.00	133.431	133.461	133.431	133.461
345.00	133.431	133.461	133.431	133.461
350.00	133.431	133.461	133.431	133.461
355.00	133.431	133.461	133.431	133.461
356.35	133.431	133.461	133.431	133.461
360.00	133.431	133.461	133.431	133.461
370.00	133.431	133.461	133.431	133.461
380.00	133.431	133.461	133.431	133.461
386.74	133.431	133.461	133.431	133.461
390.00	133.431	133.461	133.431	133.461
392.81	133.431	133.461	133.431	133.461
398.89	133.431	133.461	133.431	133.461
400.00	133.431	133.461	133.431	133.461
408.25	133.431	133.461	133.431	133.461
410.00	133.431	133.461	133.431	133.461
413.25	133.431	133.461	133.431	133.461
418.25	133.431	133.461	133.431	133.461
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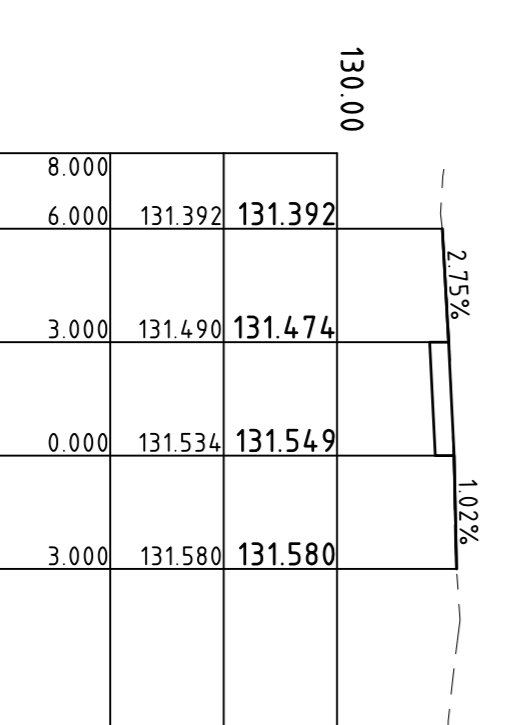
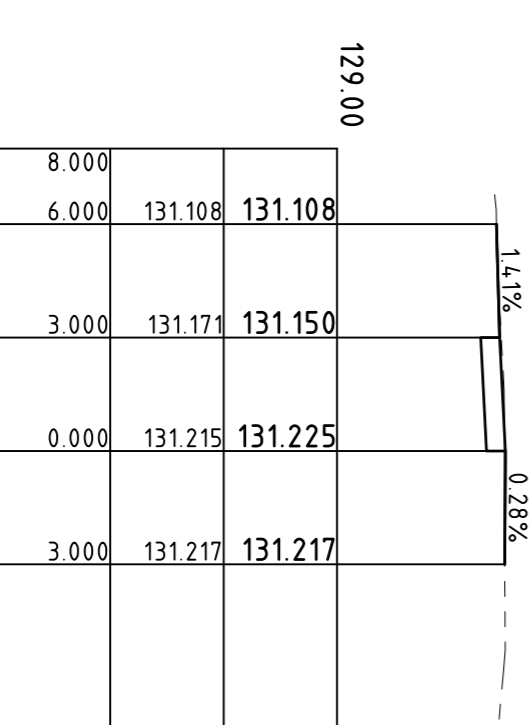
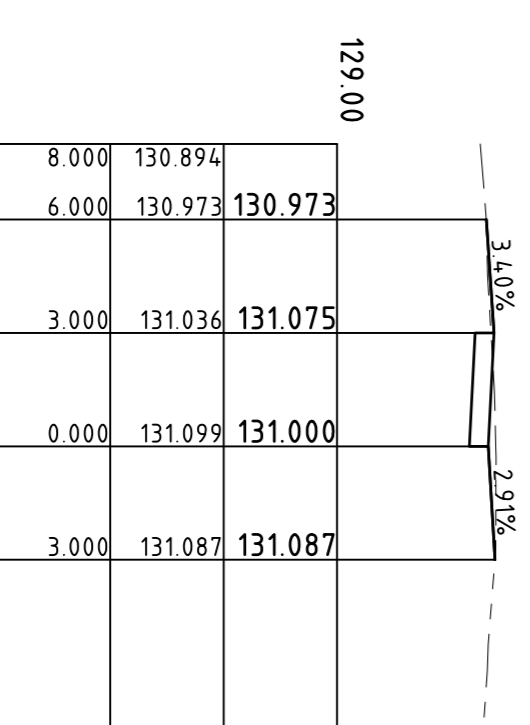
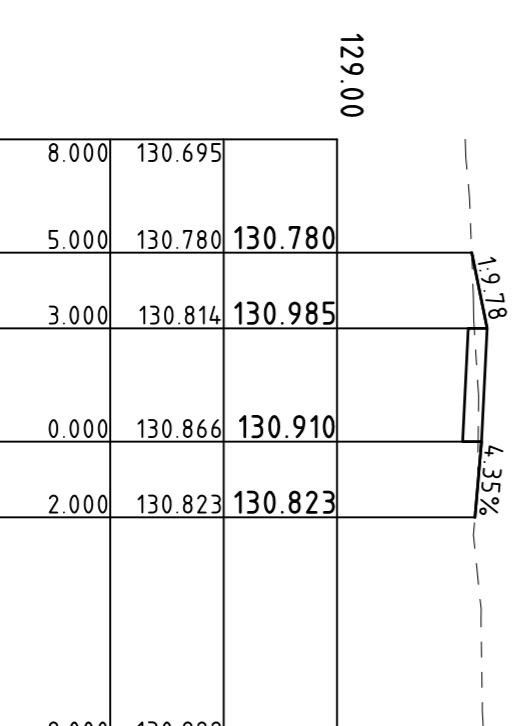
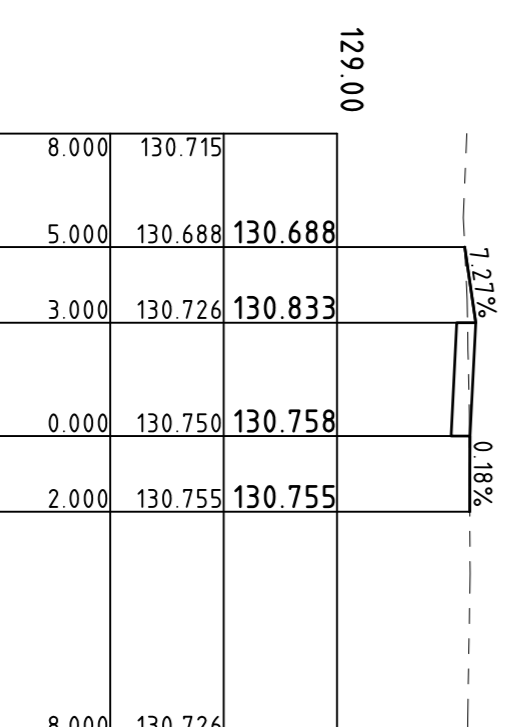
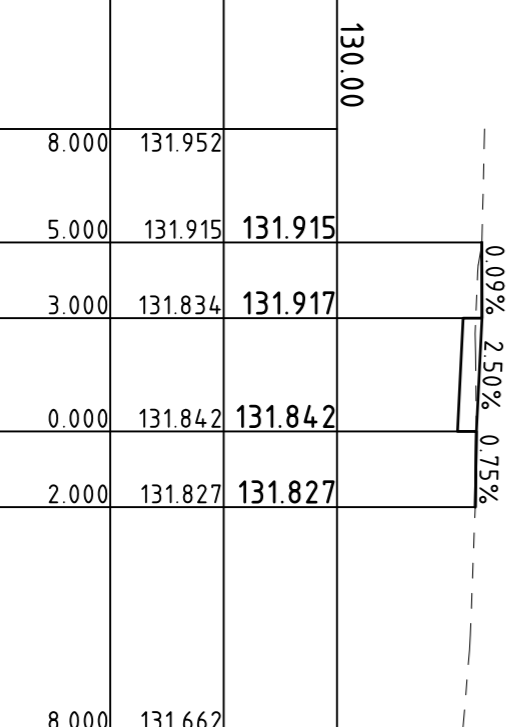
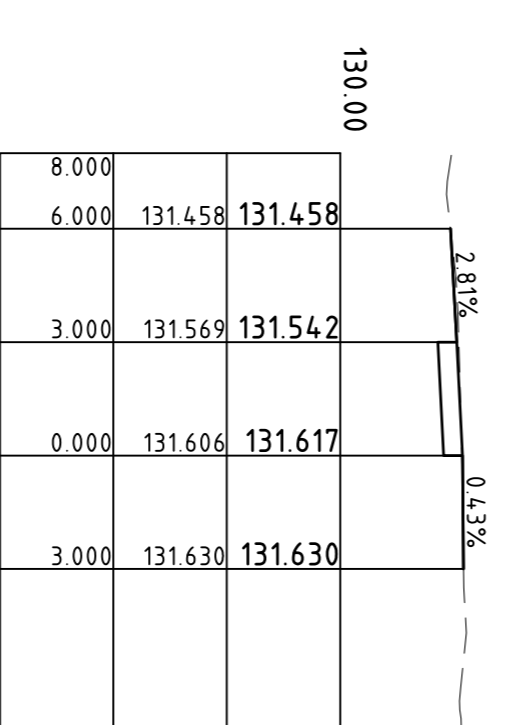
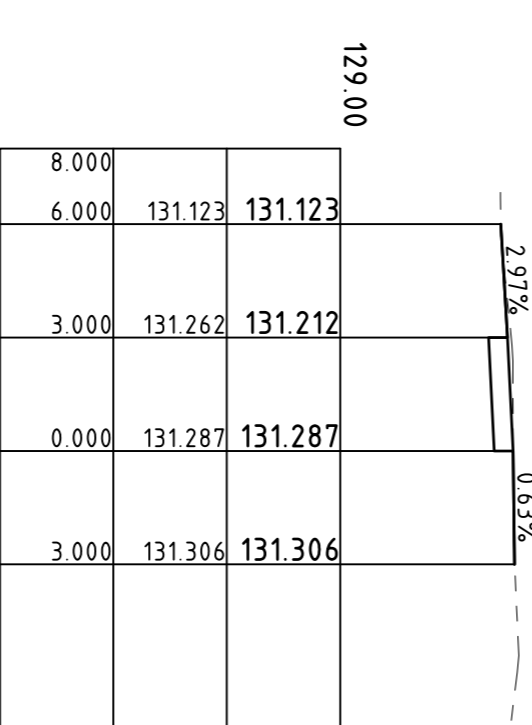
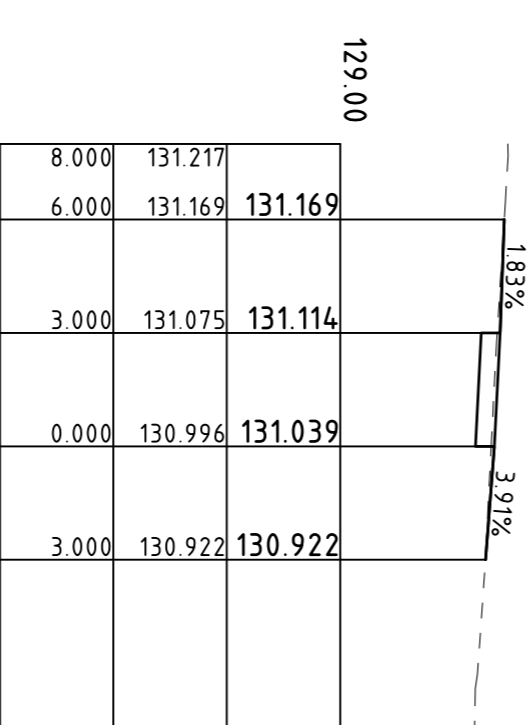
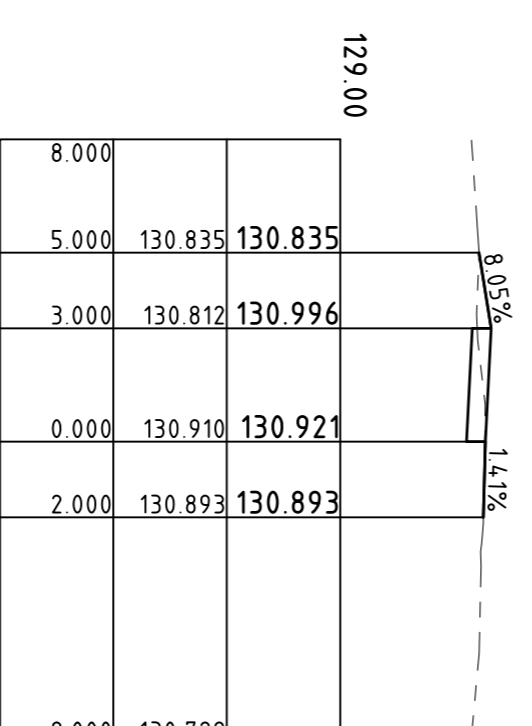
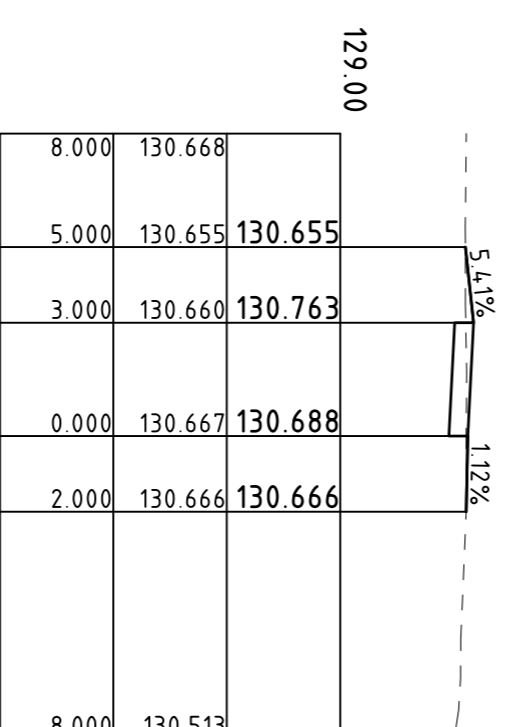
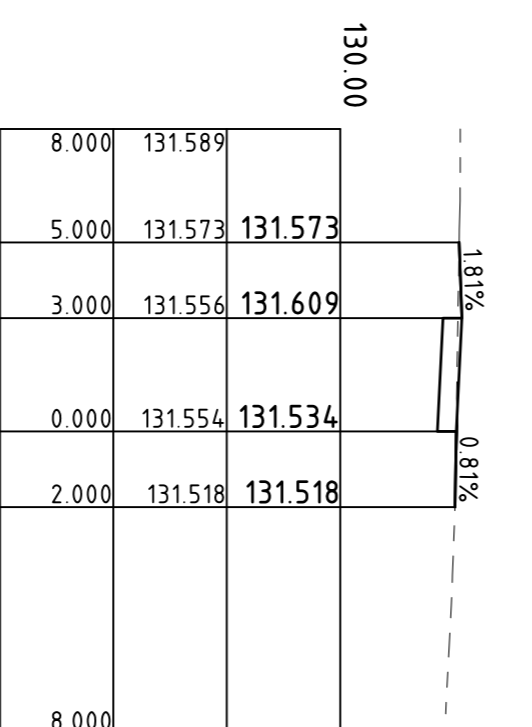
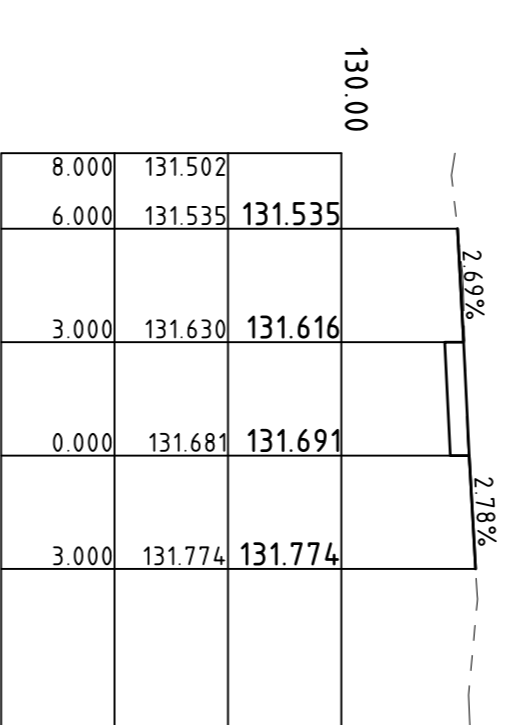
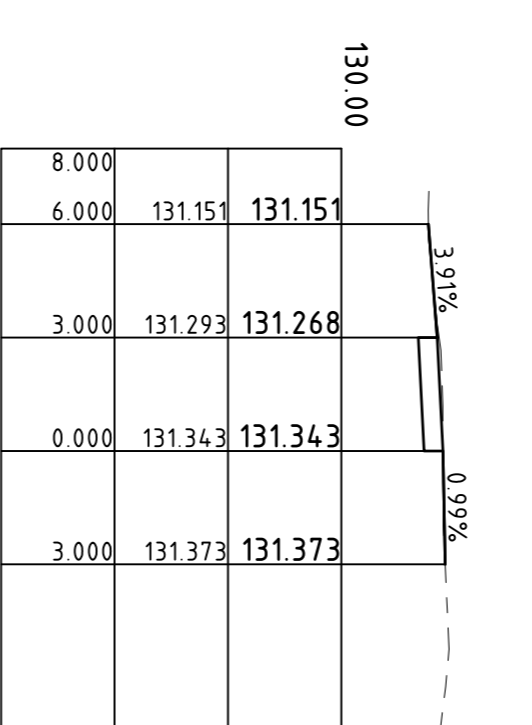
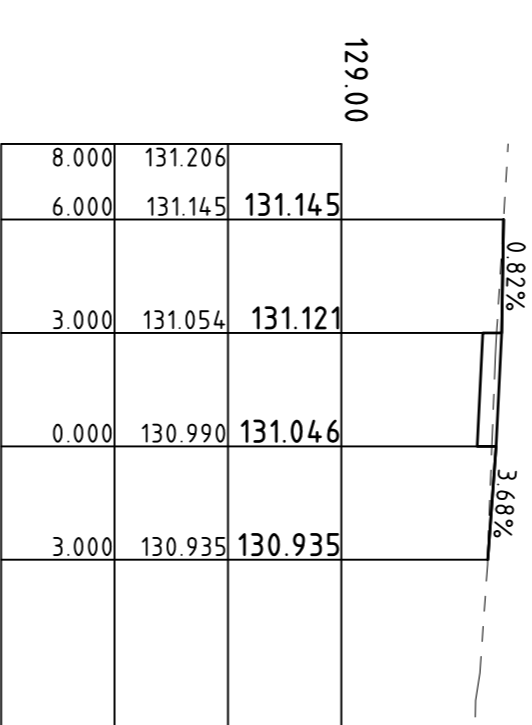
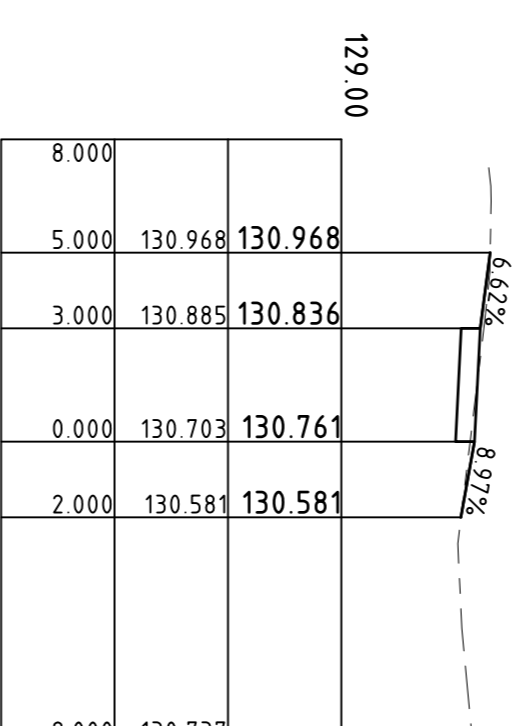
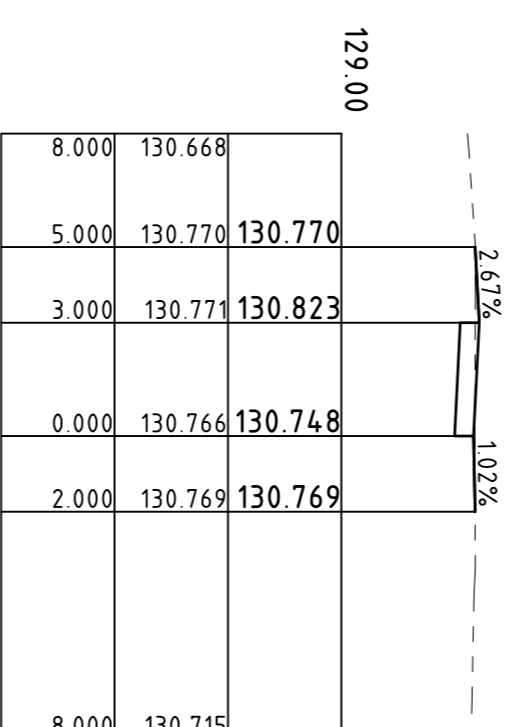
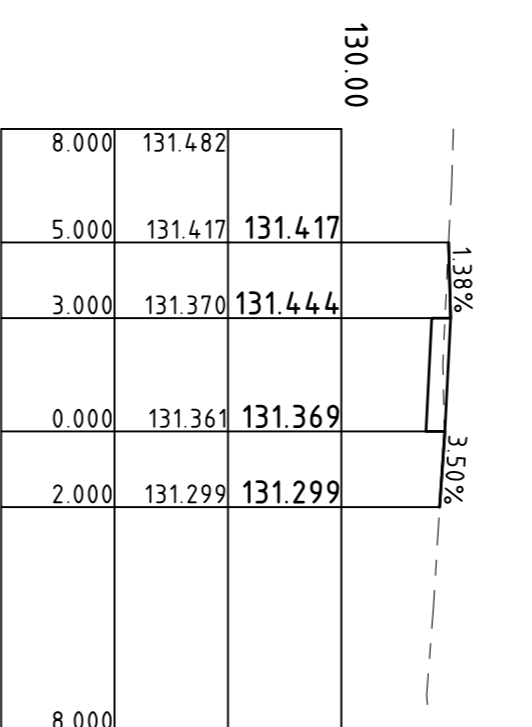
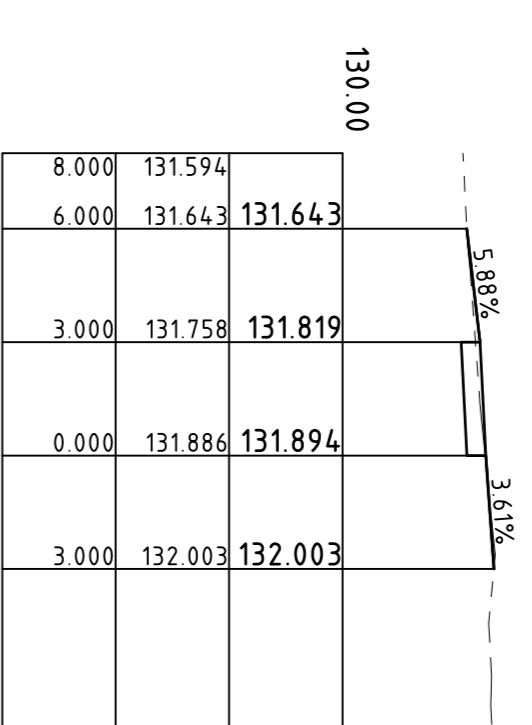
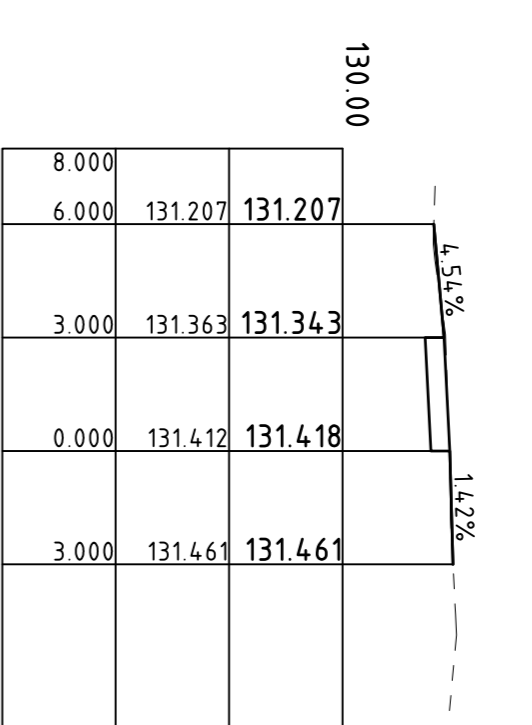
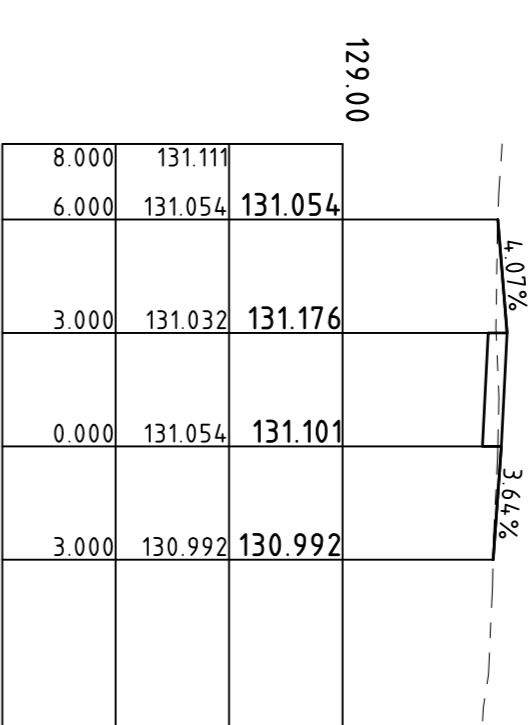
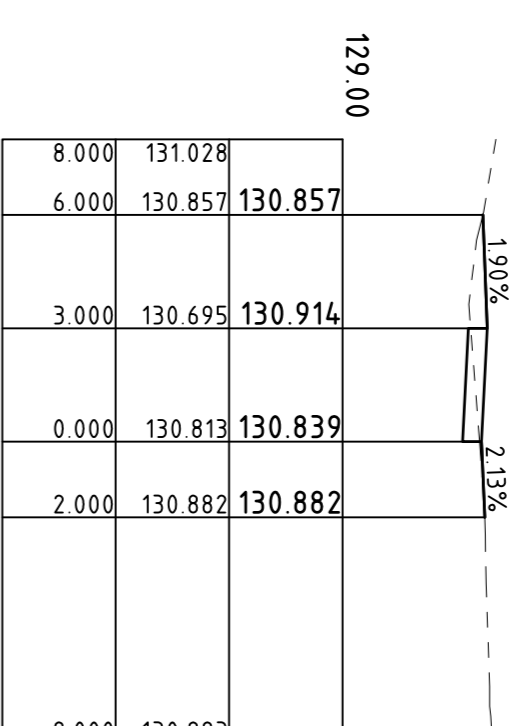
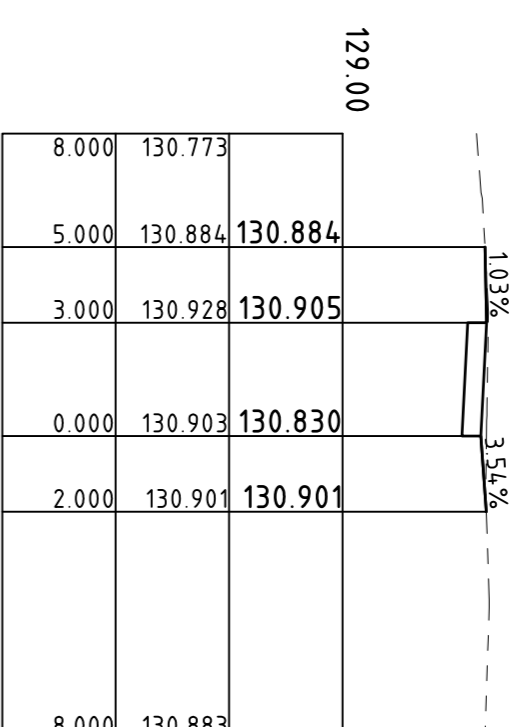
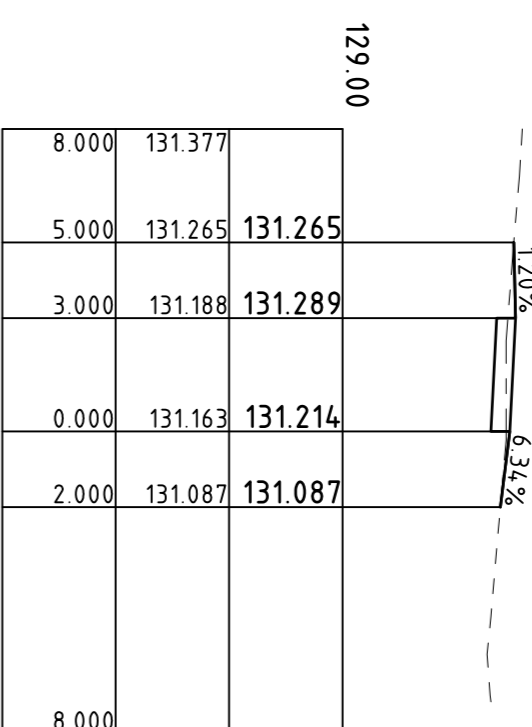
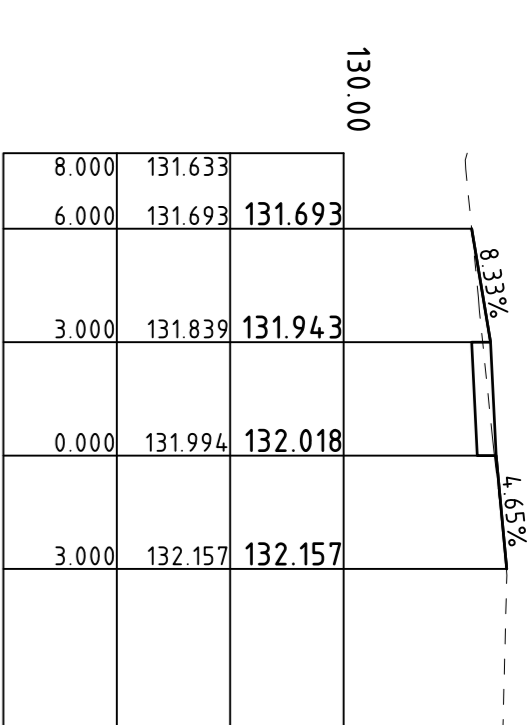
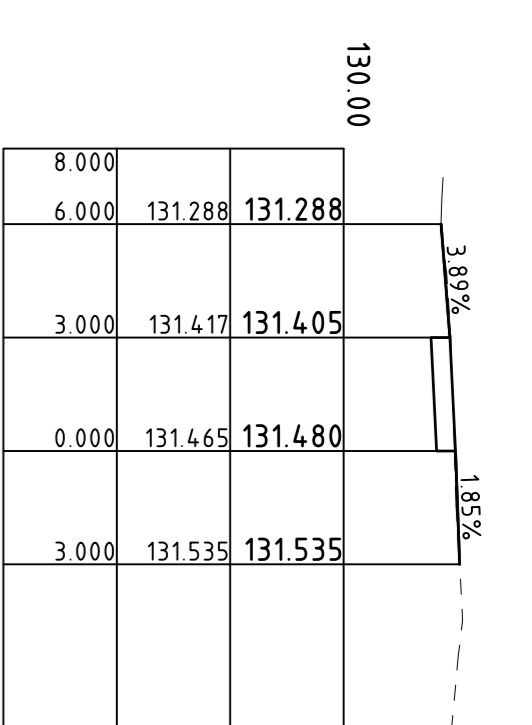
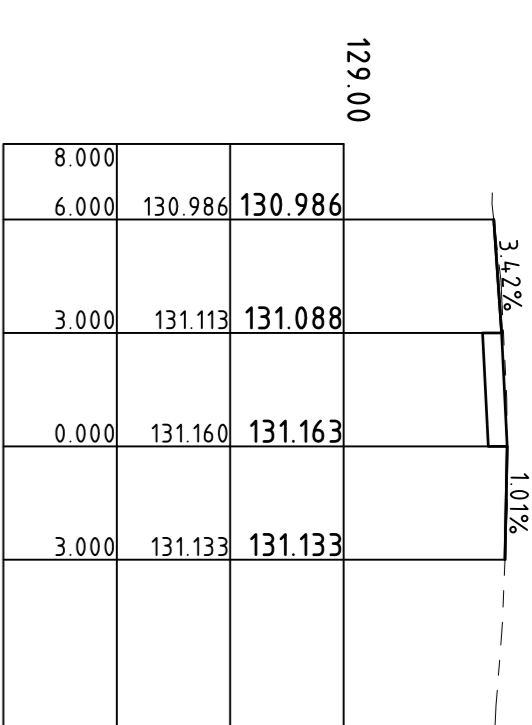
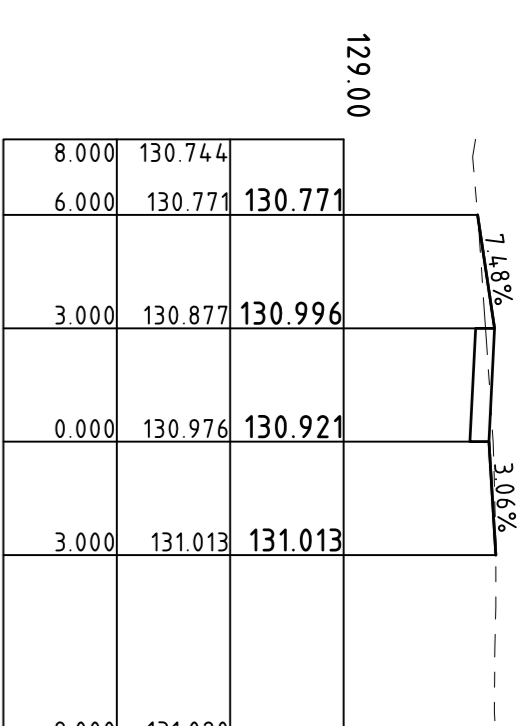
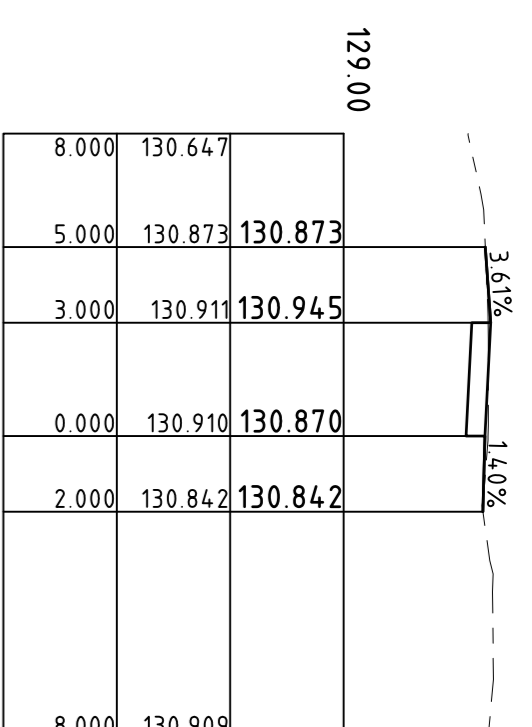
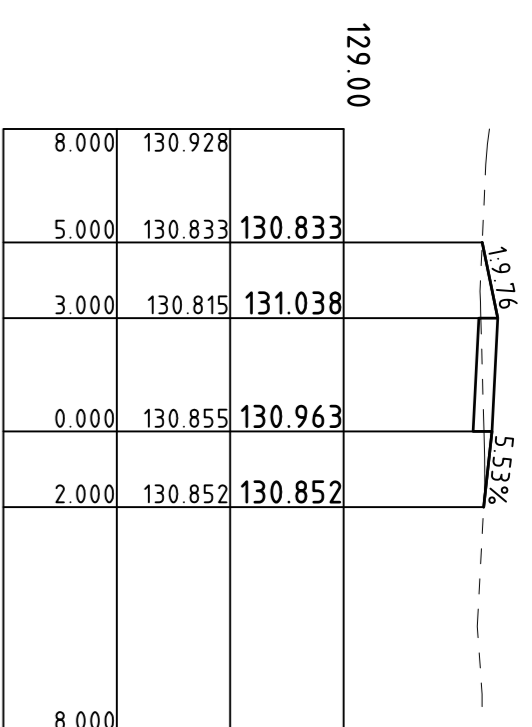
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460.00	133.539	133.554	133.539	133.554
464.78	133.539	133.554	133.539	133.554
470.00	133.539	133.554	133.539	133.554
480.00	133.539	133.554	133.539	133.554
490.00	133.539	133.554	133.539	133.554
495.64	133.539	133.554	133.539	133.554
500.00	133.539	133.554	133.539	133.554
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505.00	133.539	133.554	133.539	133.554
510.00	133.539	133.554	133.539	133.554
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515.00	133.539	133.554	133.539	133.554
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550.00	133.539	133.554	133.539	133.554
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560.00	133.539	133.554	133.539	133.554
567.23	133.539	133.554	133.539	133.554
570.00	133.539	133.554	133.539	133.554

CIVIL ROAD SOLUTIONS P/L 60 Thompson Street, Avondale Heights, 3034 Phone: (03) 9331 4683, Mob: 0402 231310 Email: rimrex@civillroadsolutions.com ABN 13 151 174 104		SURVEYED BY: MOONLAND GROUP		PROJECT MANAGER NAME: YAN YEAN 1289P1 DATE: 29/11/2019		TEAM LEADER DESIGN & DELIVERY NAME: YAN YEAN 1289P1 DATE: 29/11/2019		 CITY OF WHITTLESEA YAN YEAN PIPE TRACK MOORHEAD DRIVE TO CENTENARY DRIVE, MILLPARK - STAGE 4 PROPOSED SHARED PATH LONGITUDINAL SECTIONS	
DESIGNED BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	DATUM: A.H.D.			
DATE	AMENDMENTS	REV	DATE	AMENDMENTS	REV	DATE			

CRS Dwg. No. 1296
 CRS Revision No. P2

DRAWING NO. **A13296**
 Engineering File No.

SCALE 1:250
 SHEET 14 OF 21



Scale Horizontal 1:200 Vertical 1:100

0.00

DATE	AMENDMENTS	REV	DATE	AMENDMENTS	REV	DATE

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

DESIGNED BY: YAN YEAN
 DATE: 29/11/2019

CHECKED BY: YAN YEAN
 DATE: xx/xx/xx

APPROVED BY: YAN YEAN
 DATE: xx/xx/xx

PROJECT MANAGER
 SURVEYED BY: MOONLAND GROUP
 NAME: DESIGN & DELIVERY TEAM MEMBER
 DATE: PEER CHECK

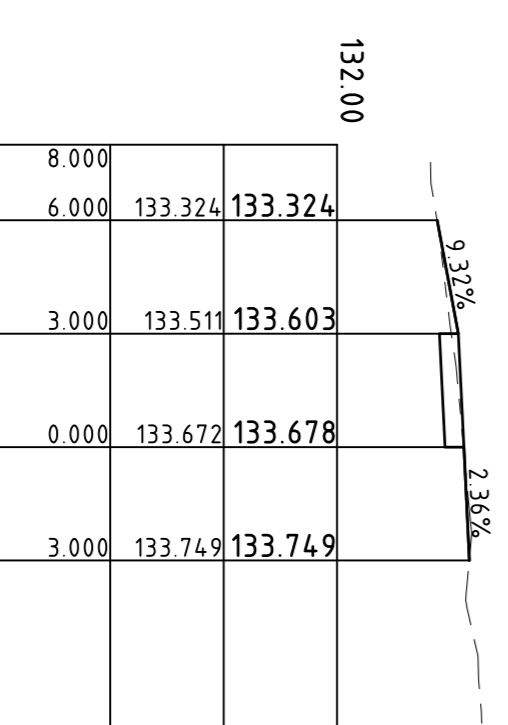
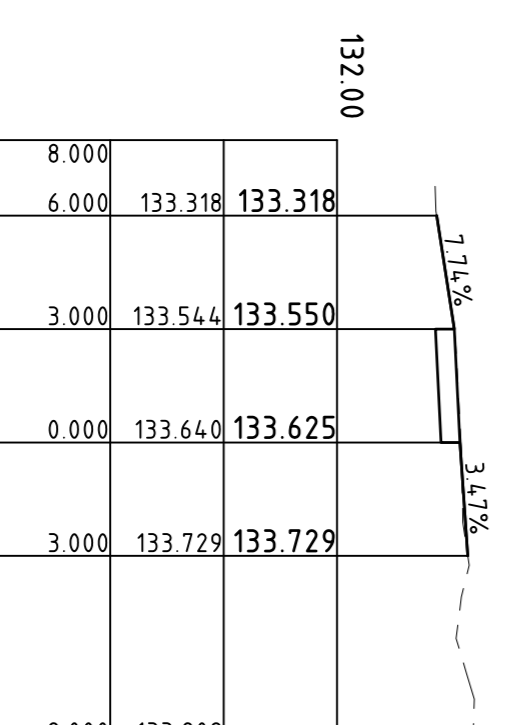
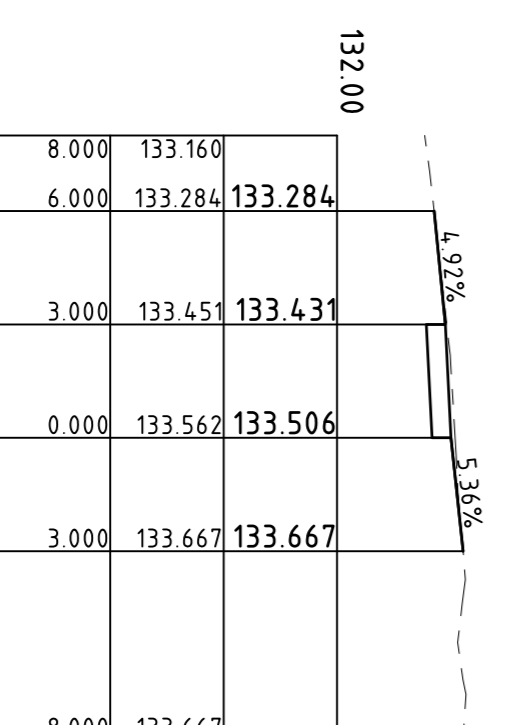
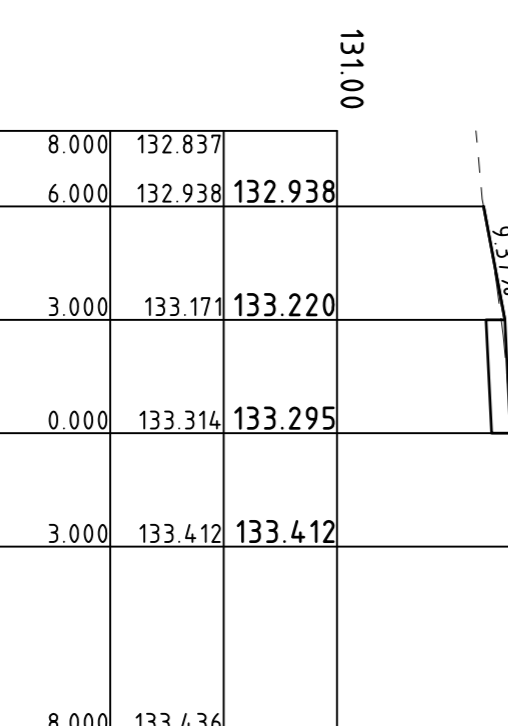
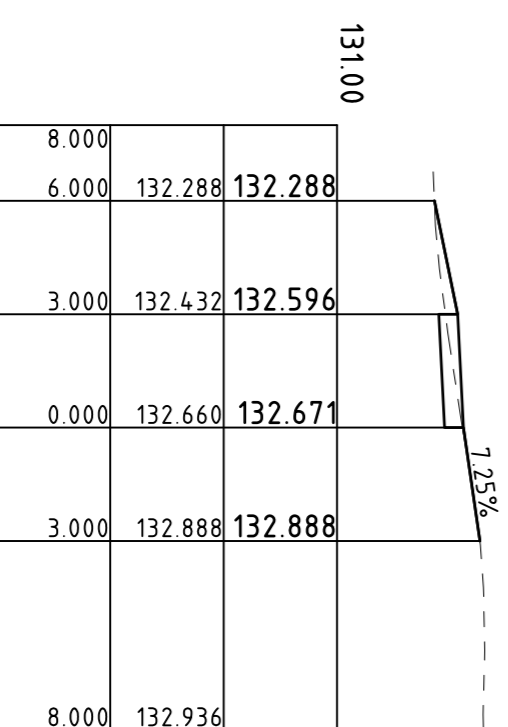
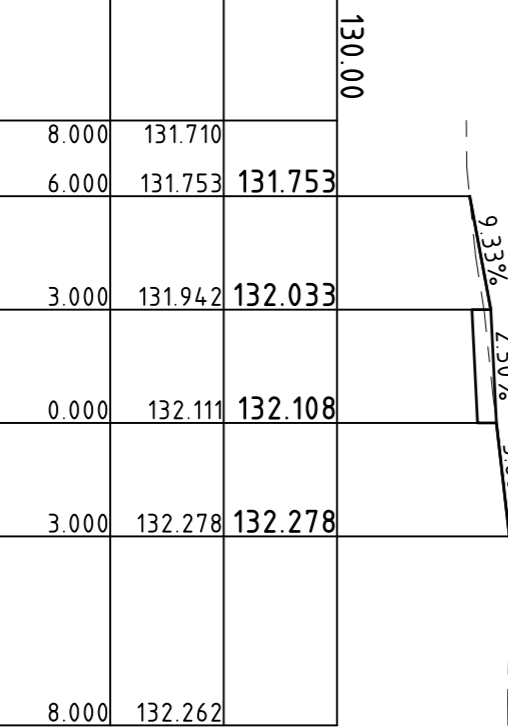
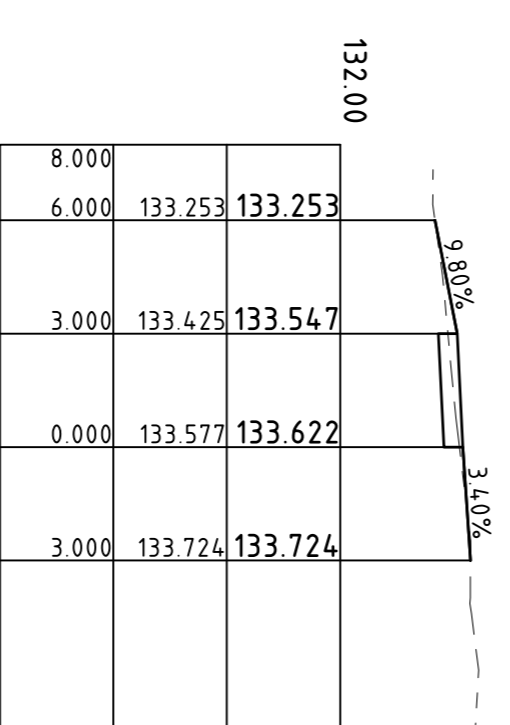
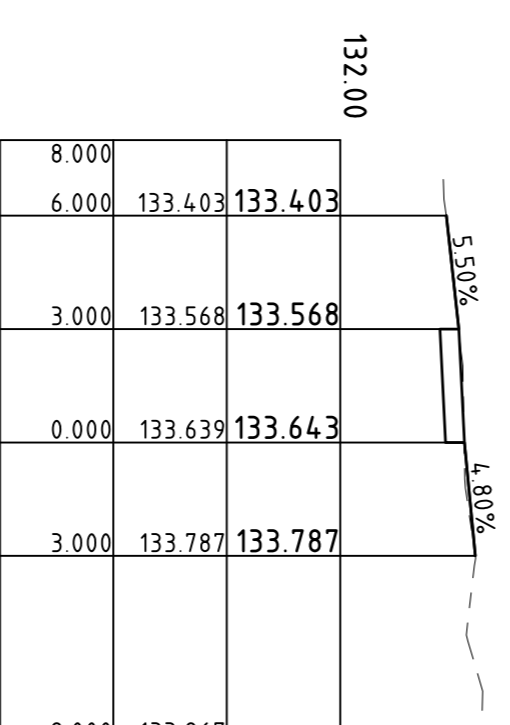
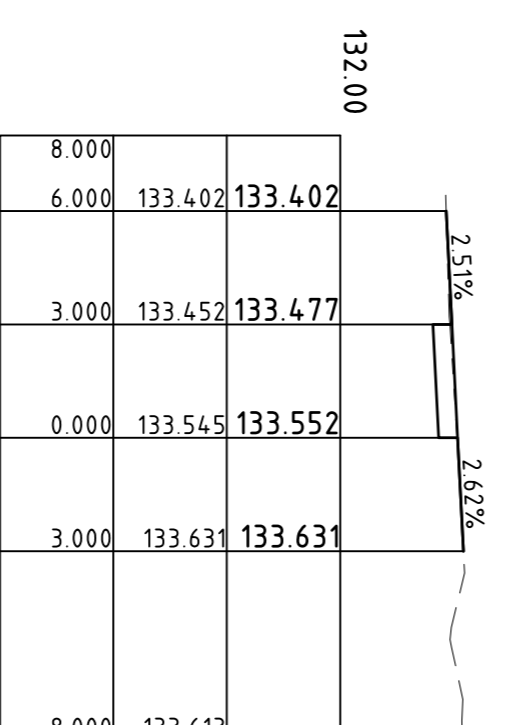
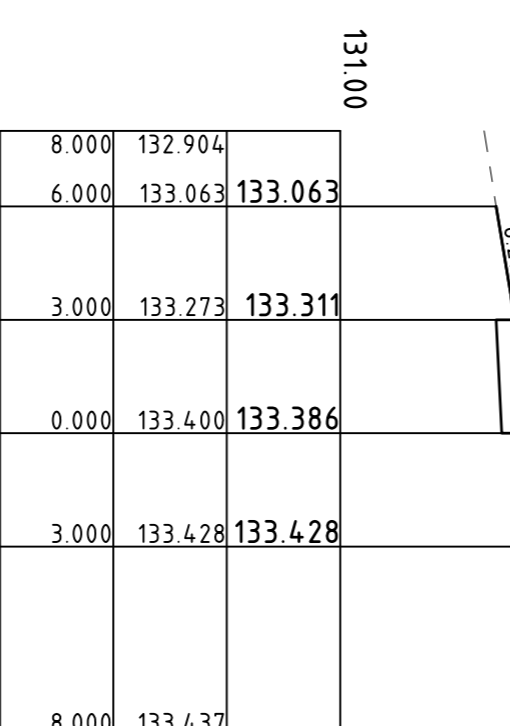
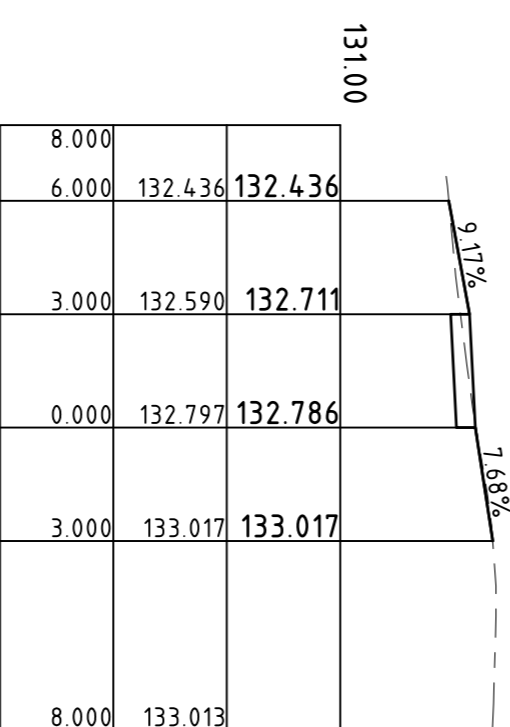
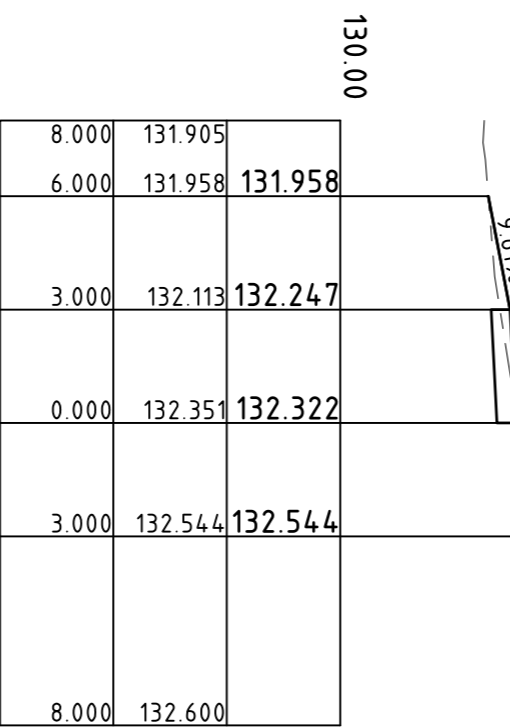
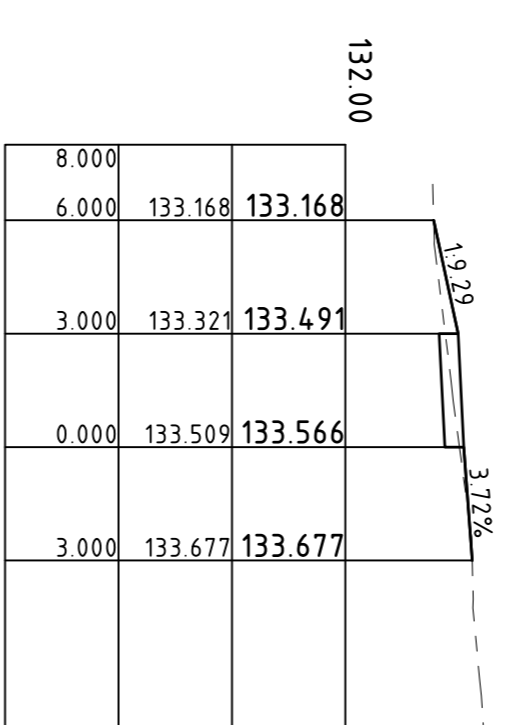
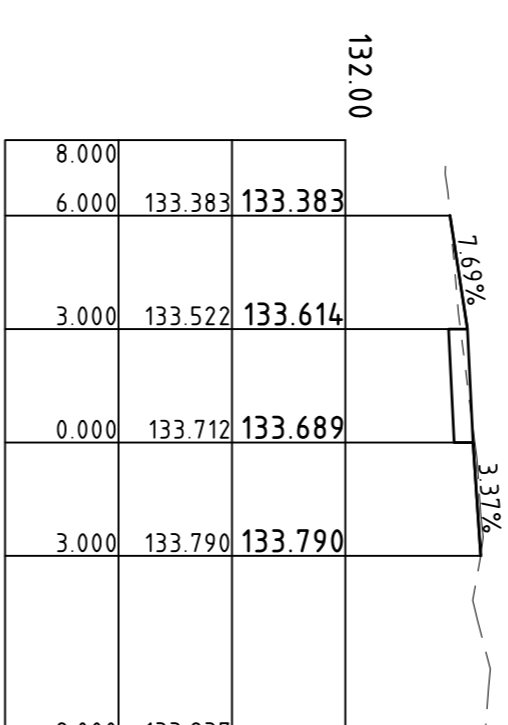
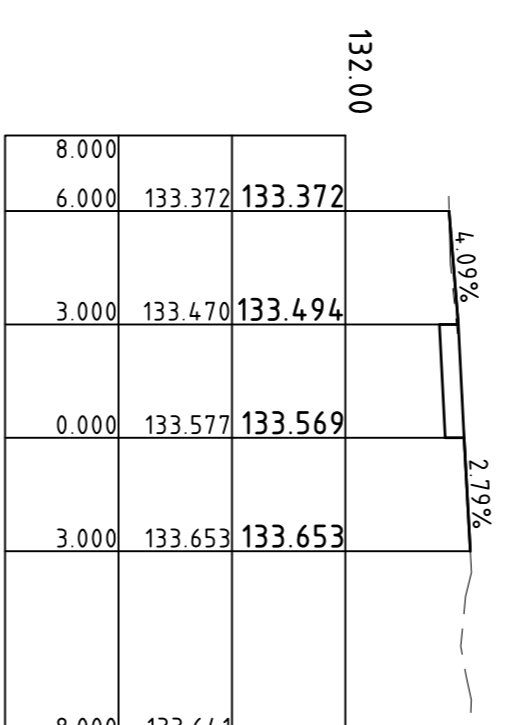
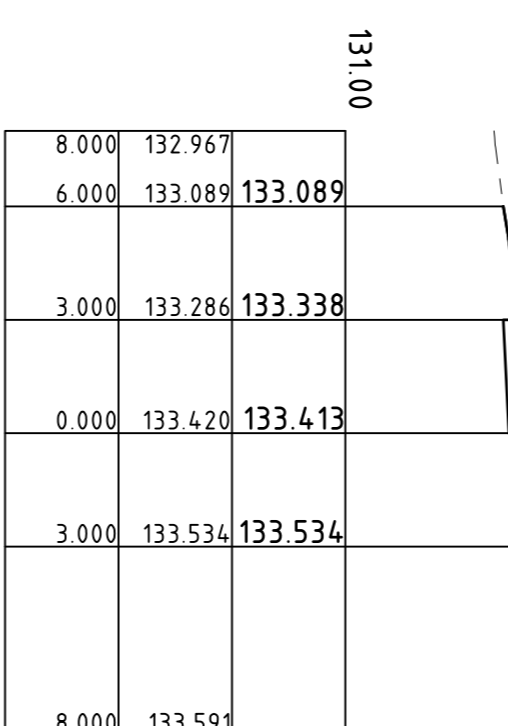
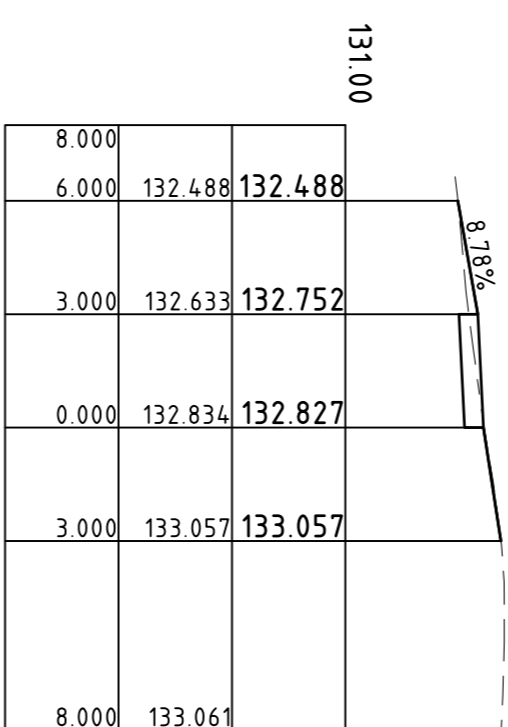
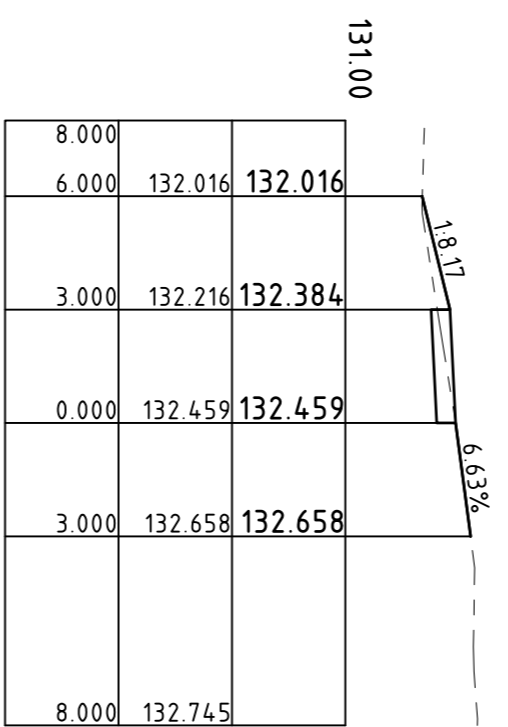
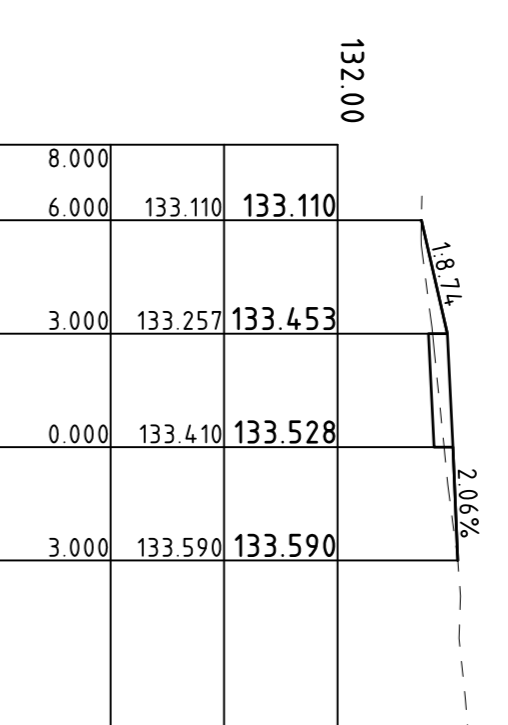
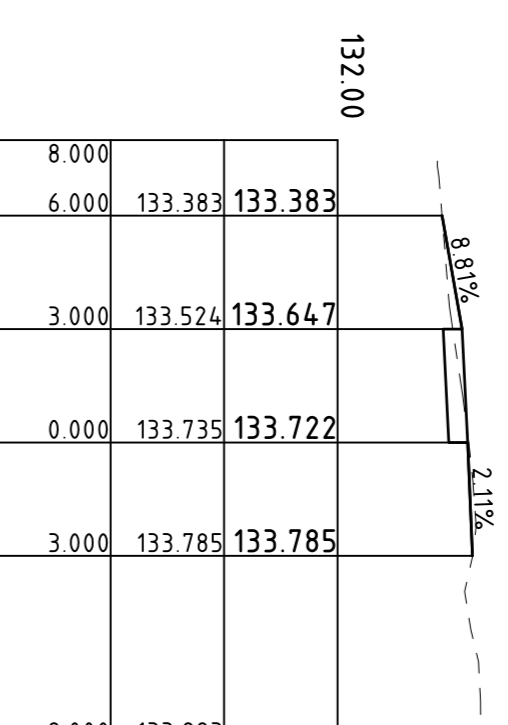
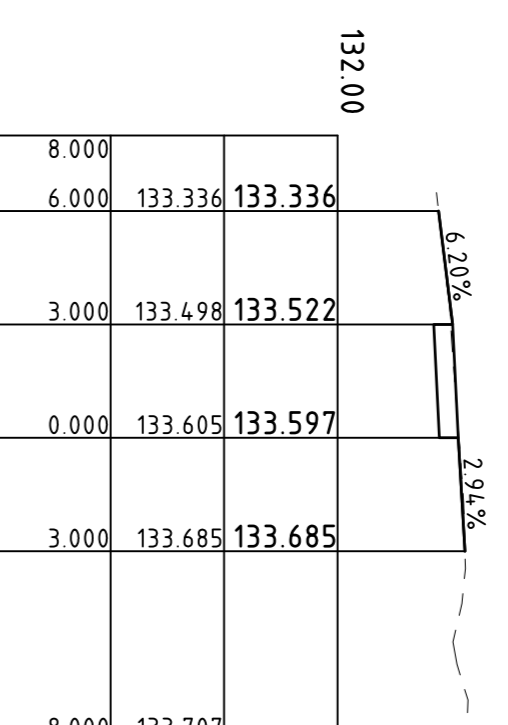
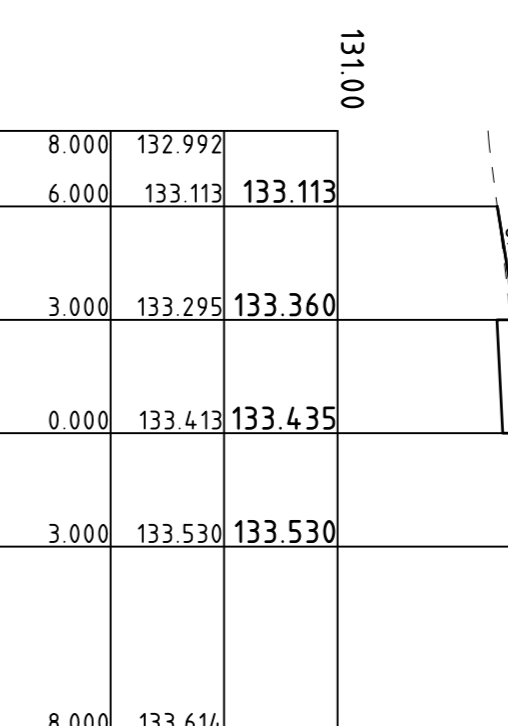
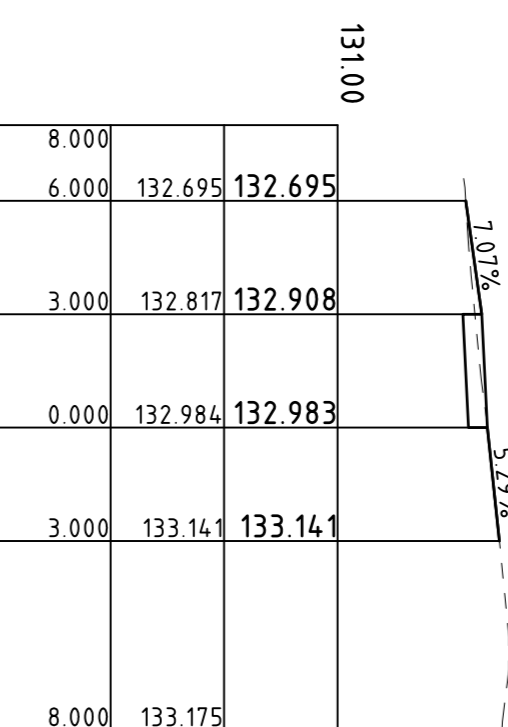
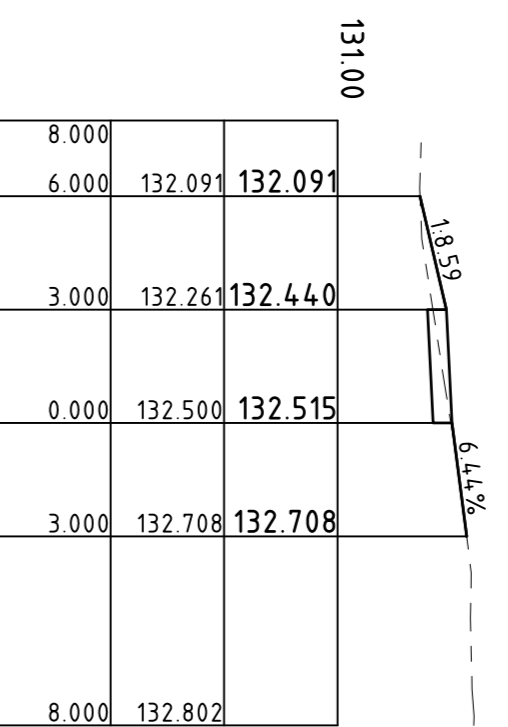
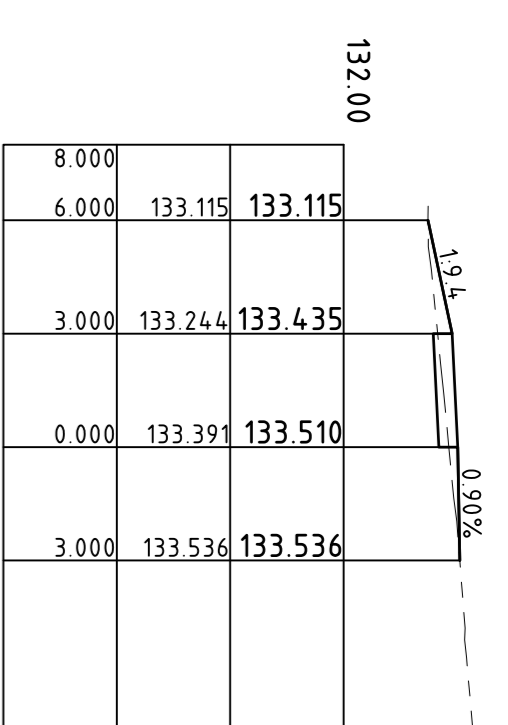
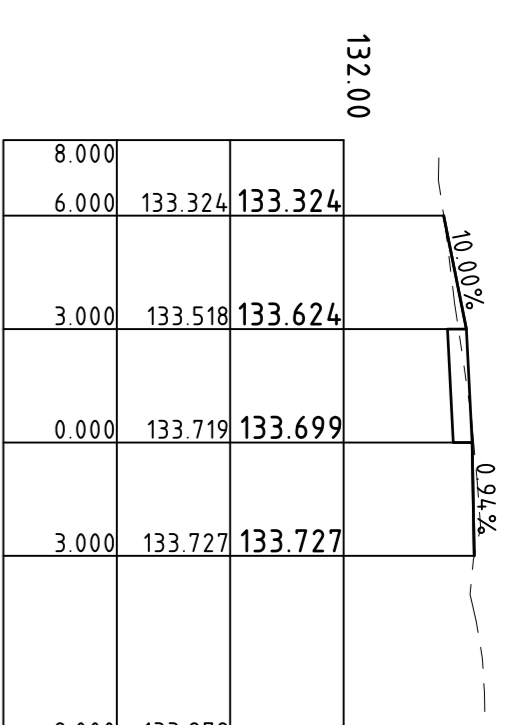
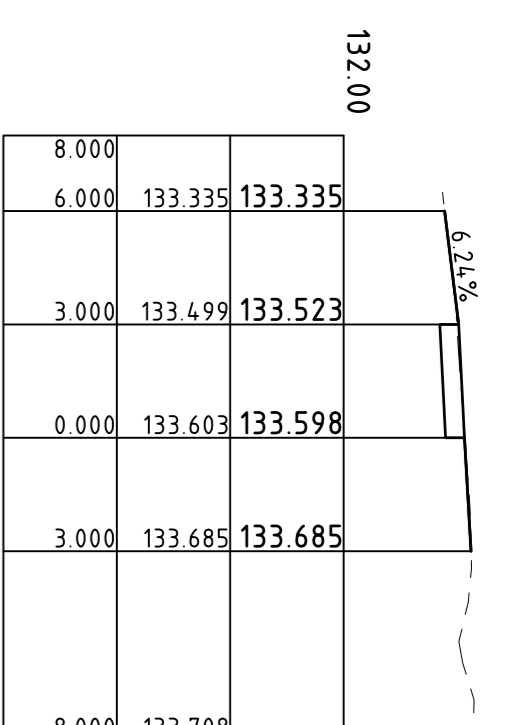
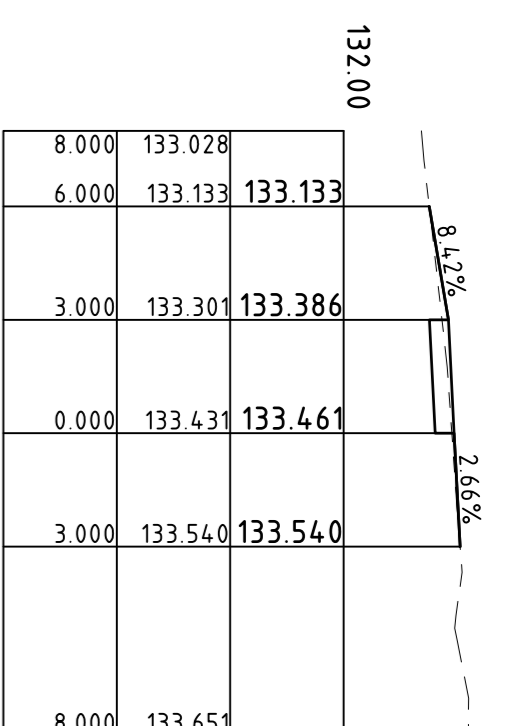
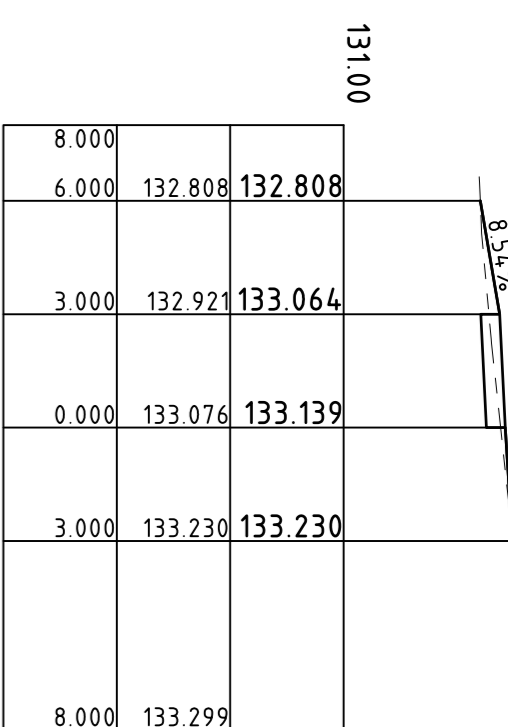
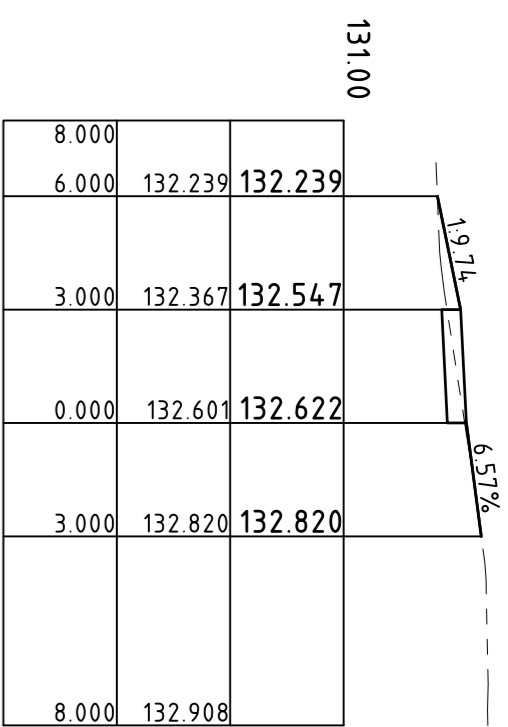
TEAM LEADER DESIGN & DELIVERY
 NAME: APPROVED MANAGER CITY DESIGN & TRANSPORT
 DATE:

CITY OF WHITTLESEA
 YAN YEAN PIPE TRACK
 MOORHEAD DRIVE TO CENTENARY DRIVE, MILLPARK - STAGE 4
 PROPOSED SHARED PATH CROSS SECTIONS

DRAWING NO. **A13296**
 Engineering File No.

SCALE 1:200
 SHEET 16 OF 21

CRS Dwg. No. 1296
 CRS Revision No. P2



Scale Horizontal 1:200 Vertical 1:100

200.00

230.00

270.00

300.00

325.97

360.00

CRS Dwg. No. 1296
CRS Revision No. P2

DESIGN		130.00		131.00		132.00		133.00		134.00		135.00		136.00		137.00		138.00		139.00		140.00	
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OFFSET		130.00		131.00		132.00		133.00		134.00		135.00		136.00		137.00		138.00		139.00		140.00	
DATE	AMENDMENTS	REV	DATE	REV	DATE	REV	DATE	REV	DATE	REV	DATE	REV	DATE	REV	DATE	REV	DATE	REV	DATE	REV	DATE	REV	DATE

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

DESIGNED BY: YAN YEAN
DRAWN BY: YAN YEAN
DATE: 29/11/2019

CHECKED BY: YAN YEAN
APPROVED BY: YAN YEAN
DATE: xx/xx/xx

DATUM: A.H.D.

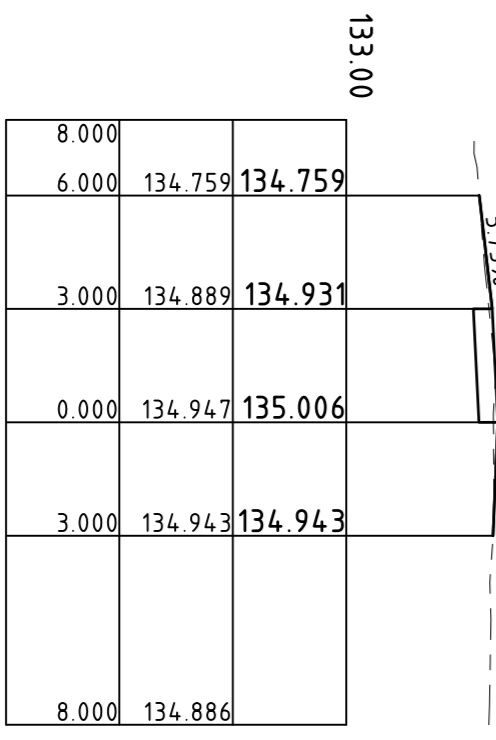
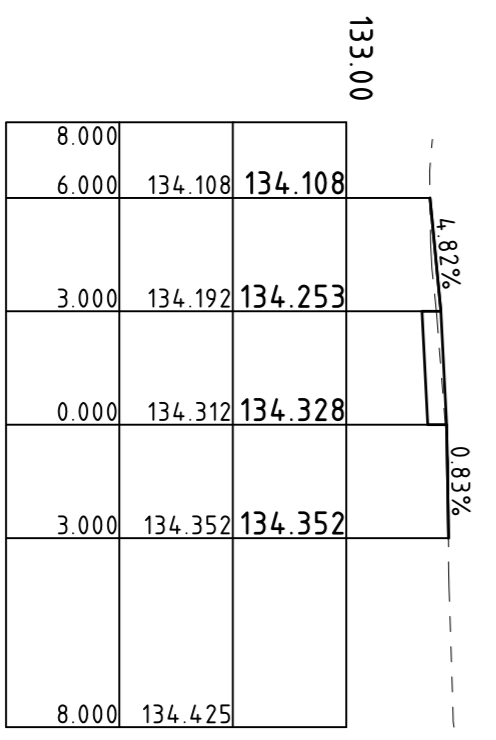
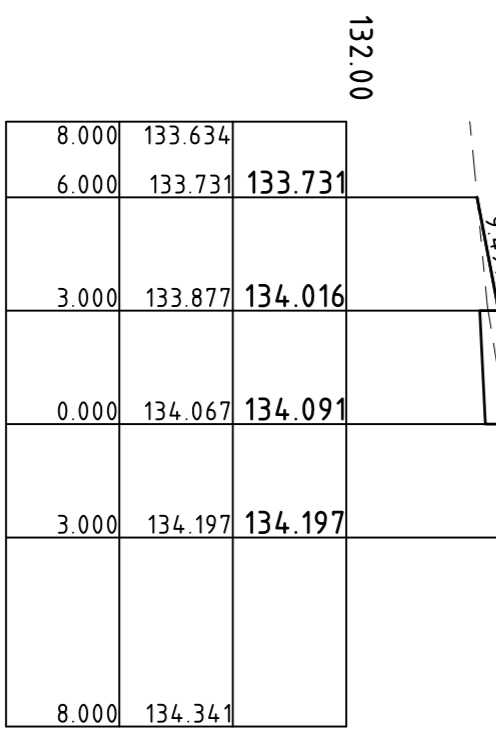
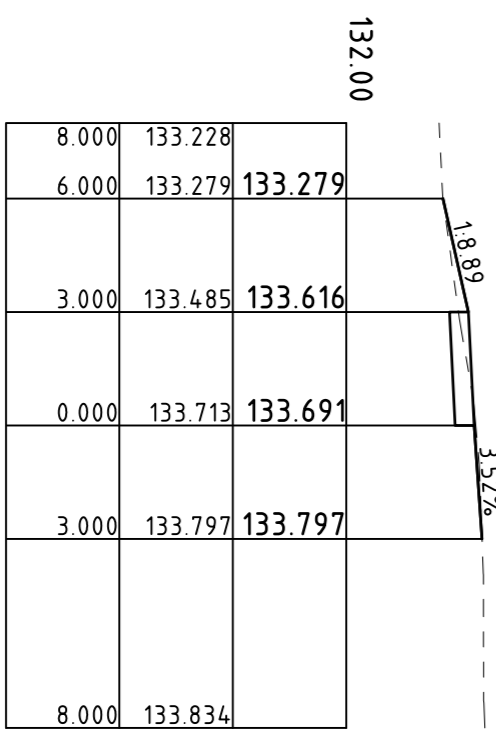
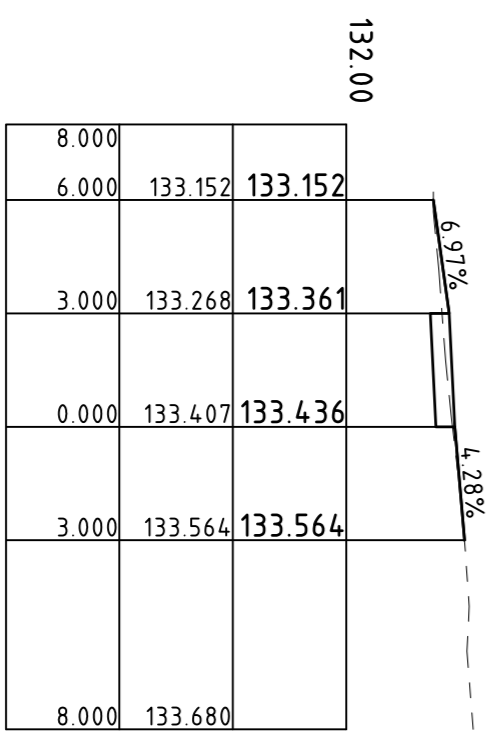
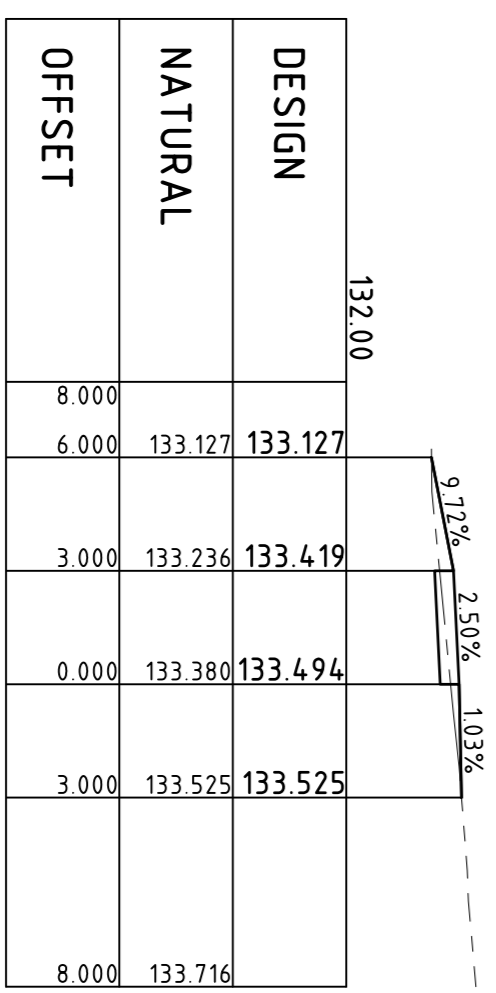
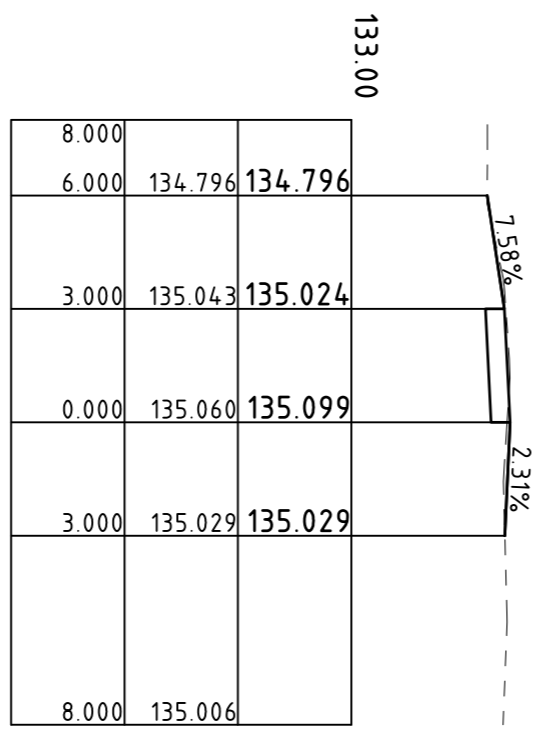
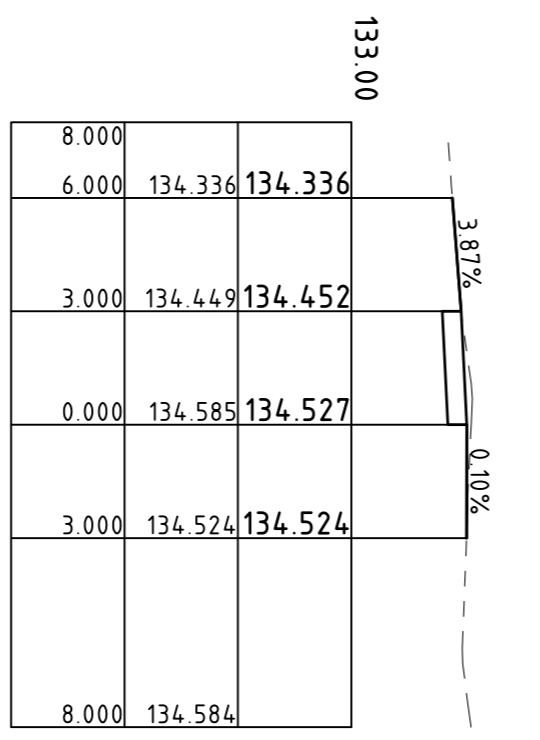
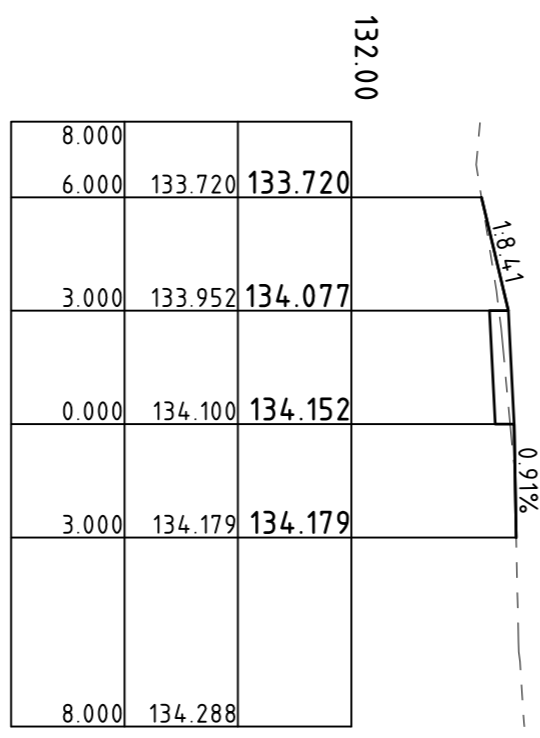
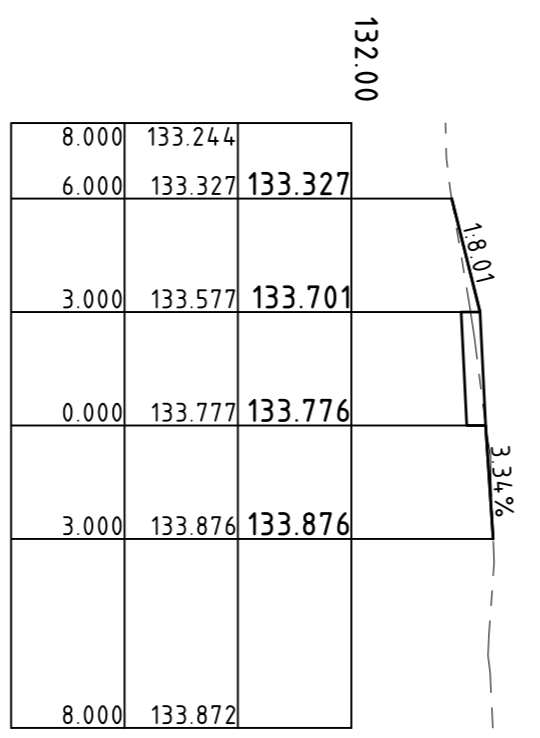
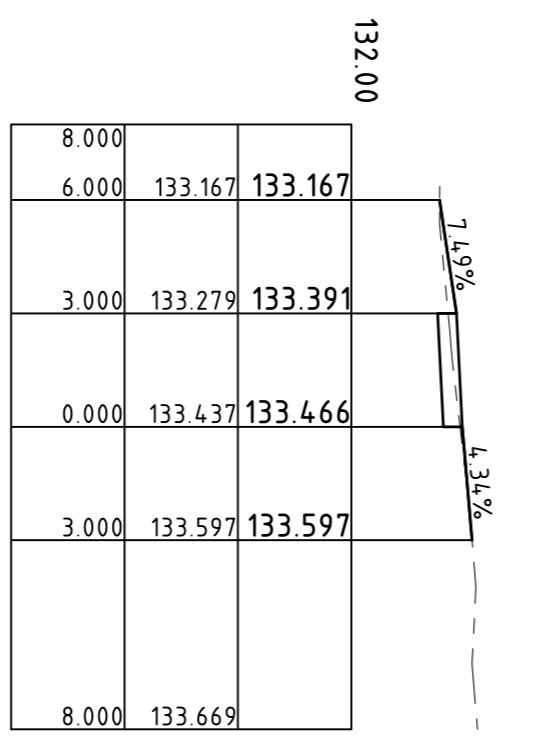
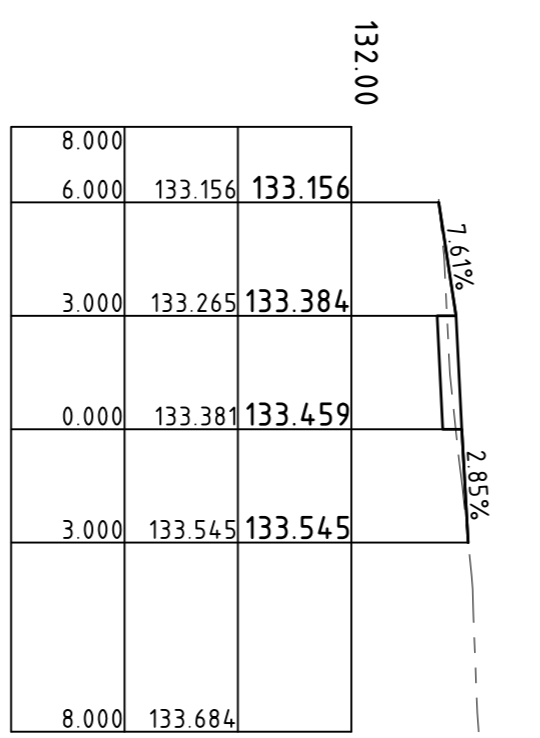
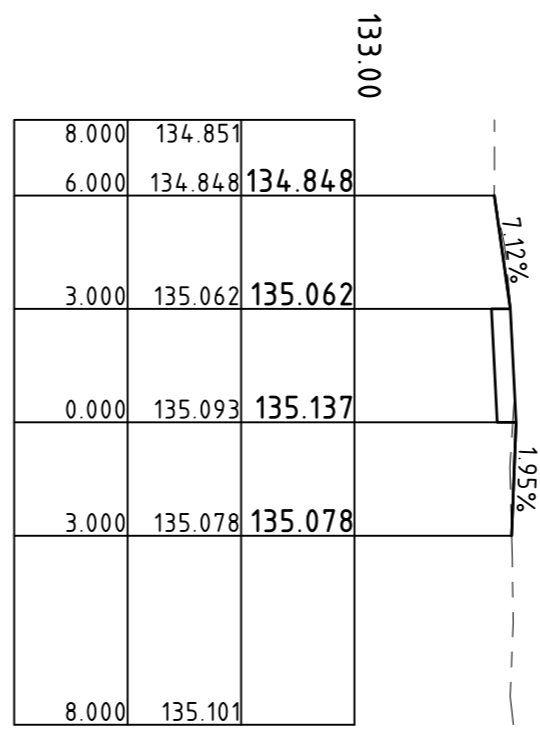
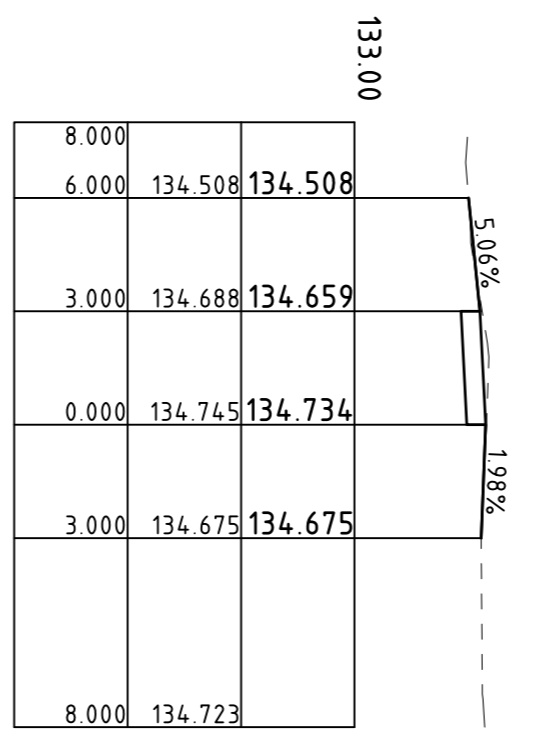
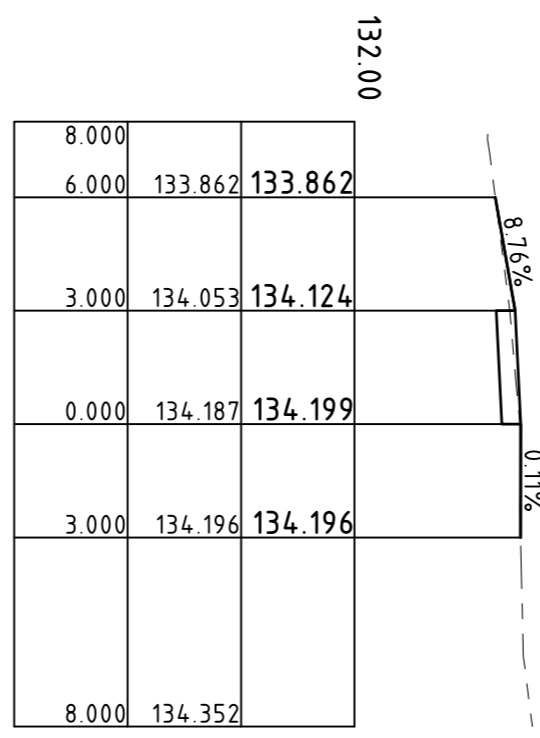
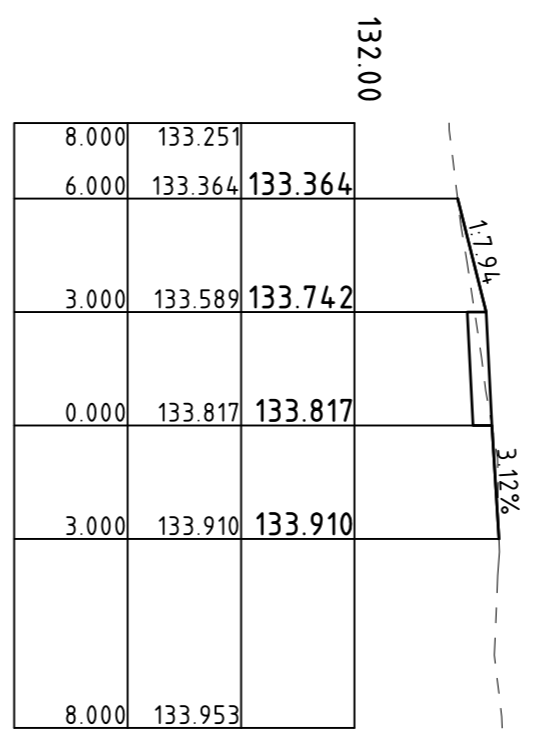
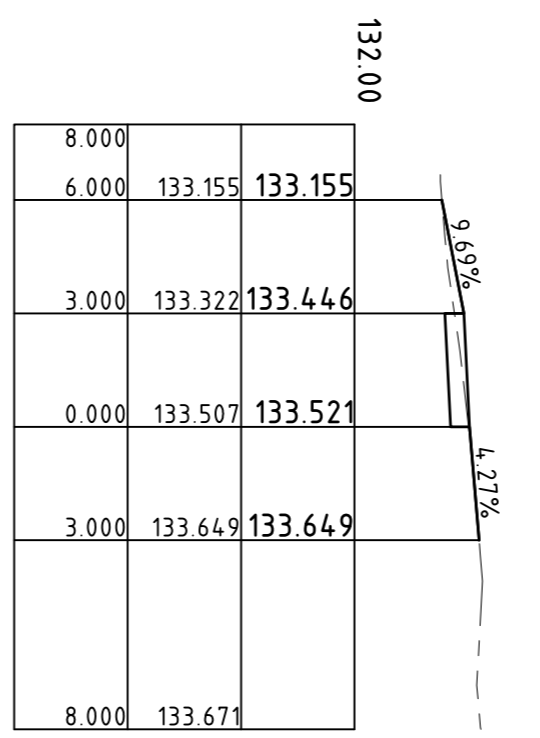
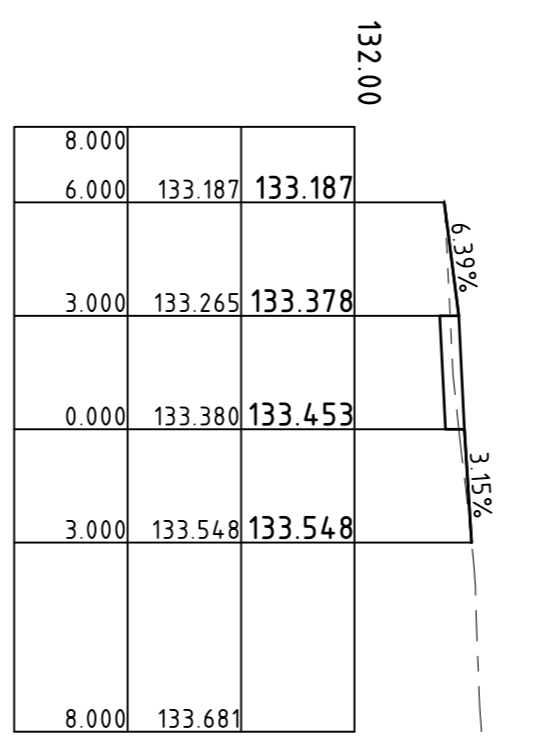
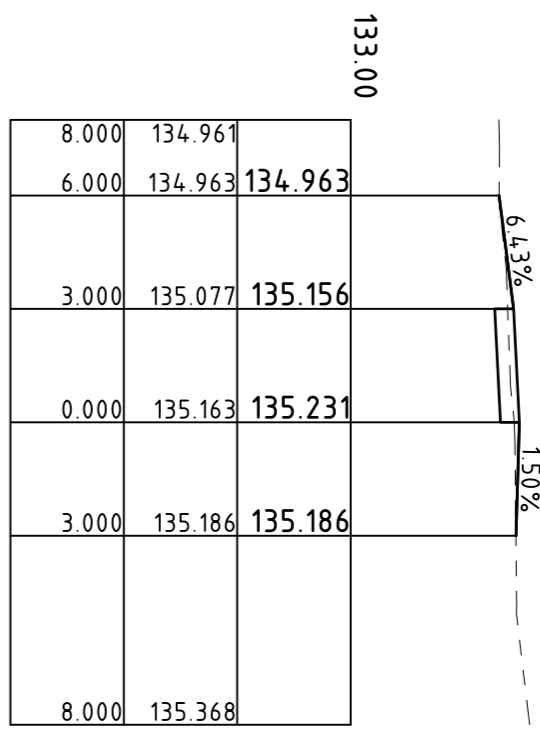
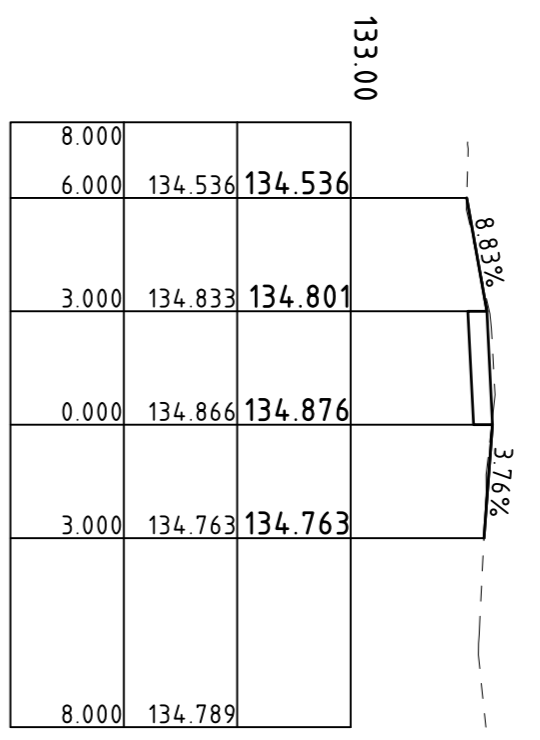
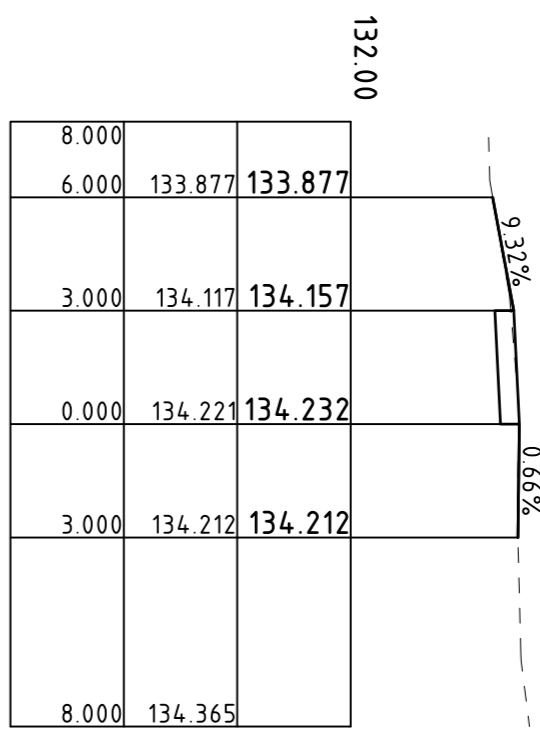
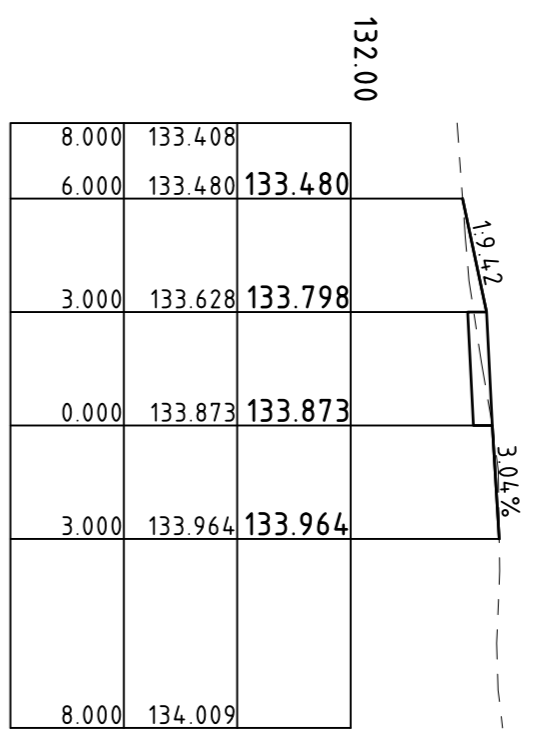
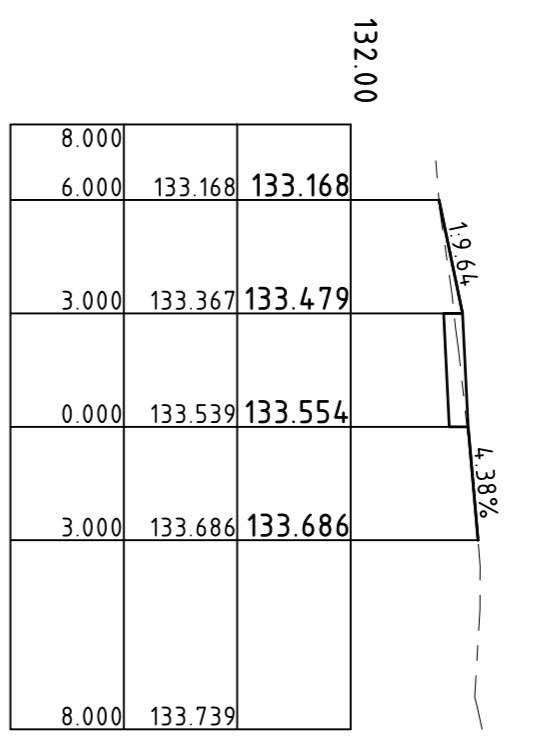
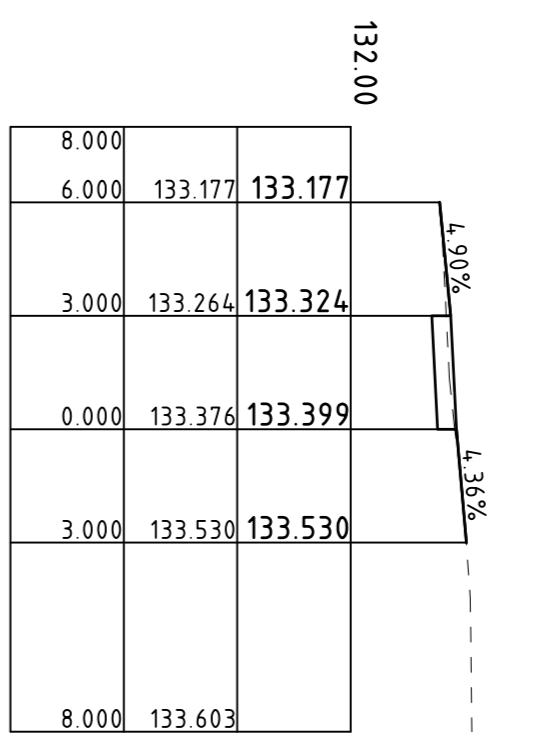
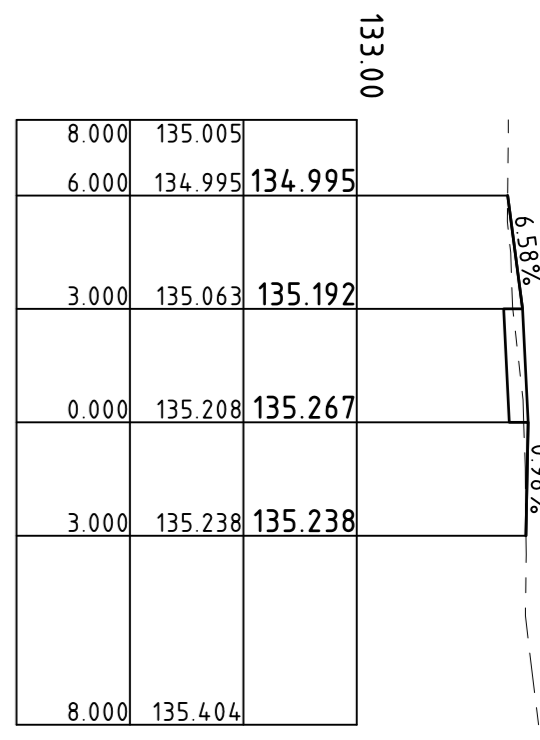
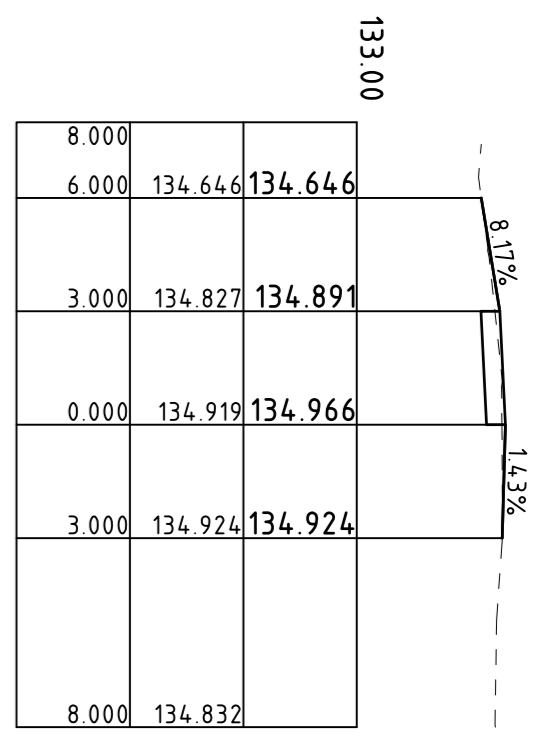
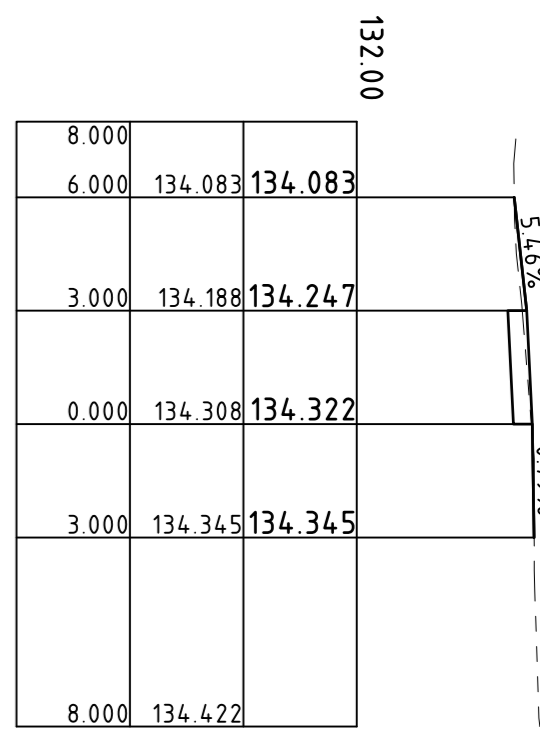
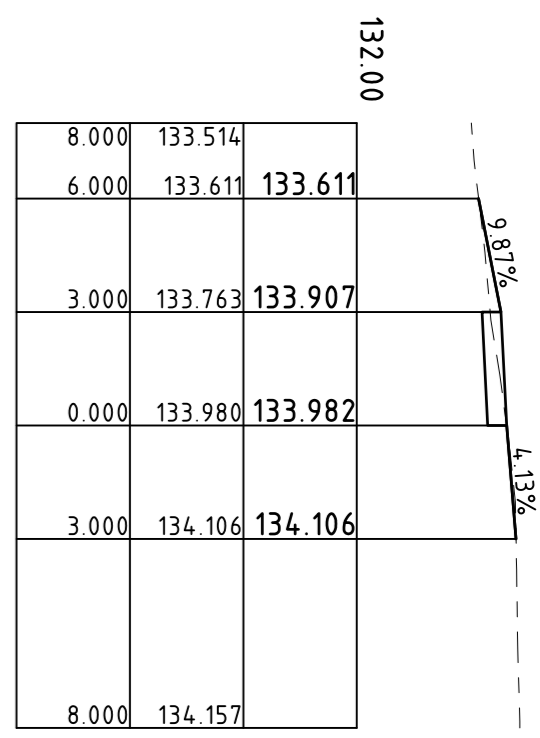
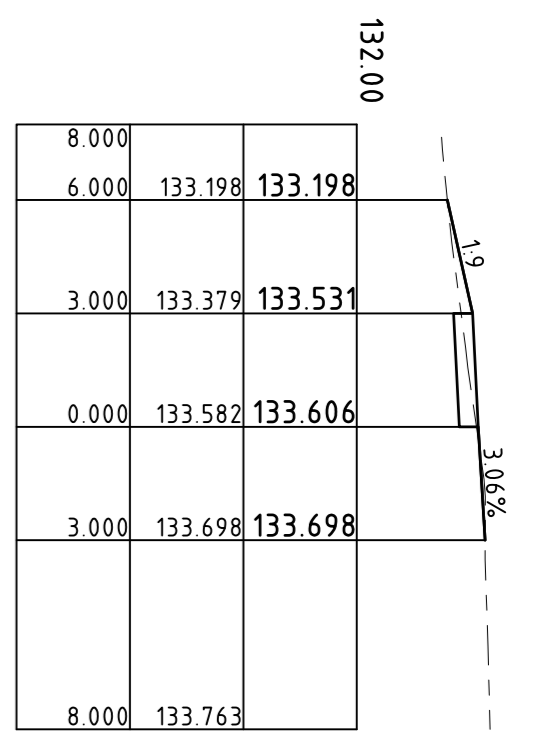
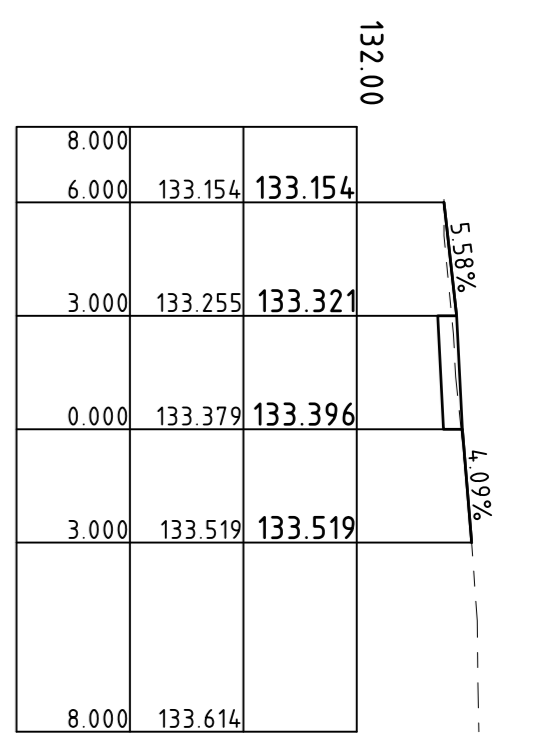
CITY OF WHITTLESEA
YAN YEAN PIPE TRACK
MOORHEAD DRIVE TO CENTENARY DRIVE, MILLPARK - STAGE 4
PROPOSED SHARED PATH CROSS SECTIONS

PROJECT MANAGER: YAN YEAN
DATE: 29/11/2019

TEAM LEADER DESIGN & DELIVERY: YAN YEAN
DATE: 29/11/2019

CRS Dwg. No. 1296
CRS Revision No. P2

DRAWING NO. **A13296**
Engineering File No. _____
SCALE 1:200
SHEET 17 OF 21



Scale Horizontal 1:200 Vertical 1:100

CRS Dwg. No. 1296
CRS Revision No. P2

CIVIL ROAD SOLUTIONS P/L 60 Thompson Street, Avordale Heights, 3034 Phone: (03) 9331 4683, Mob: 0402 231310 Email: rfm@civilroadsolutions.com ABN 13 151 174 104		SURVEYED BY: MOONLAND GROUP		PROJECT MANAGER NAME: YAN YEAN DATE: 12/29/2019	
DESIGNED BY:<					

TRAVERSE LINE SETOUT

LOCATION	EASTING	NORTHING
CH00	329007.438	5829866.773
TP3.10	329009.946	5829868.602
MID4.77	329011.232	5829869.651
TP6.43	329012.400	5829870.831
CH10	329014.773	5829873.504
CH20	329021.413	5829880.981
CH30	329028.054	5829888.458
CH40	329034.694	5829895.934
CH50	329041.335	5829903.411
CH60	329047.975	5829910.888
CH70	329054.616	5829918.365
CH80	329061.256	5829925.842
CH90	329067.897	5829933.319
TP96.26	329072.050	5829937.996
CH100	329074.563	5829940.772
MID103.63	329077.045	5829943.416
CH110	329081.523	5829947.951
TP110.99	329082.236	5829948.648
CH120	329088.695	5829954.921
CH130	329095.868	5829961.888
CH140	329103.041	5829968.856
CH150	329110.214	5829975.824
TP154.27	329113.214	5829978.797
CH160	329117.443	5829982.732
MID164.71	329120.951	5829985.874
CH170	329124.979	5829989.304
TP175.15	329128.987	5829992.541
CH180	329132.761	5829995.583
CH190	329140.307	5830002.144
MID195.78	329144.516	5830006.106
CH200	329147.515	5830009.074
CH210	329154.368	5830016.355
TP216.41	329158.565	5830021.198
CH220	329160.898	5830023.928
MID226.90	329165.517	5830029.056
CH230	329167.647	5830031.305
TP237.40	329172.872	5830036.539
CH240	329174.746	5830038.348
CH250	329181.940	5830045.294
CH260	329189.134	5830052.239
CH270	329196.329	5830059.185
CH276.76	329201.192	5830063.880
CH280	329203.523	5830066.130
CH284.35	329206.652	5830069.151
CH290	329210.717	5830073.076
CH300	329217.912	5830080.022
CH310	329225.106	5830086.967
TP313.82	329227.851	5830089.618
MID319.89	329232.287	5830093.772
CH320	329232.366	5830093.843
TP325.97	329236.847	5830097.789
CH330	329239.900	5830100.419

TRAVERSE LINE SETOUT

LOCATION	EASTING	NORTHING
CH340	329247.384	5830107.051
CH350	329254.734	5830113.831
MID356.36	329259.334	5830118.215
CH360	329261.947	5830120.757
CH370	329269.021	5830127.826
CH380	329275.951	5830135.034
TP386.74	329280.539	5830139.969
CH390	329282.763	5830142.355
MID392.82	329284.714	5830144.385
TP398.89	329289.021	5830148.671
CH400	329289.818	5830149.441
CH410	329297.012	5830156.386
TP413.25	329299.352	5830158.645
CH420	329304.285	5830163.249
MID423.59	329306.669	5830165.628
CH430	329311.874	5830169.760
TP433.92	329314.937	5830172.208
CH440	329319.700	5830175.985
CH450	329327.434	5830182.324
CH460	329335.039	5830188.817
MID464.78	329338.629	5830191.914
CH470	329342.513	5830195.460
CH480	329344.853	5830202.251
CH490	329357.056	5830209.188
TP495.64	329361.056	5830213.164
CH500	329364.165	5830216.221
TP503	329366.342	5830218.284
CH510	329371.541	5830222.971
TP510.36	329371.812	5830223.206
CH520	329376.097	5830229.522
CH530	329386.652	5830236.073
CH540	329394.208	5830242.624
TP546.95	329399.460	5830247.178
CH550	329401.793	5830249.139
MID557.09	329407.444	5830253.420
CH560	329409.848	5830255.059
TP567.23	329416.018	5830258.822
CH570	329418.434	5830260.179
CH580	329427.154	5830265.074
CH590	329435.874	5830269.969
CH600	329444.594	5830274.864
TP608.83	329452.295	5830279.187
CH610	329453.311	5830279.765
MID616.92	329459.181	5830283.428
CH620	329461.709	5830285.186
TP625.01	329465.703	5830288.212
TP629.11	329468.905	5830290.766
CH630	329469.577	5830291.353
MID631.34	329470.479	5830292.339
TP633.57	329471.667	5830294.221
CH637.28	329473.889	5830297.566

SIDE PATH SETOUT

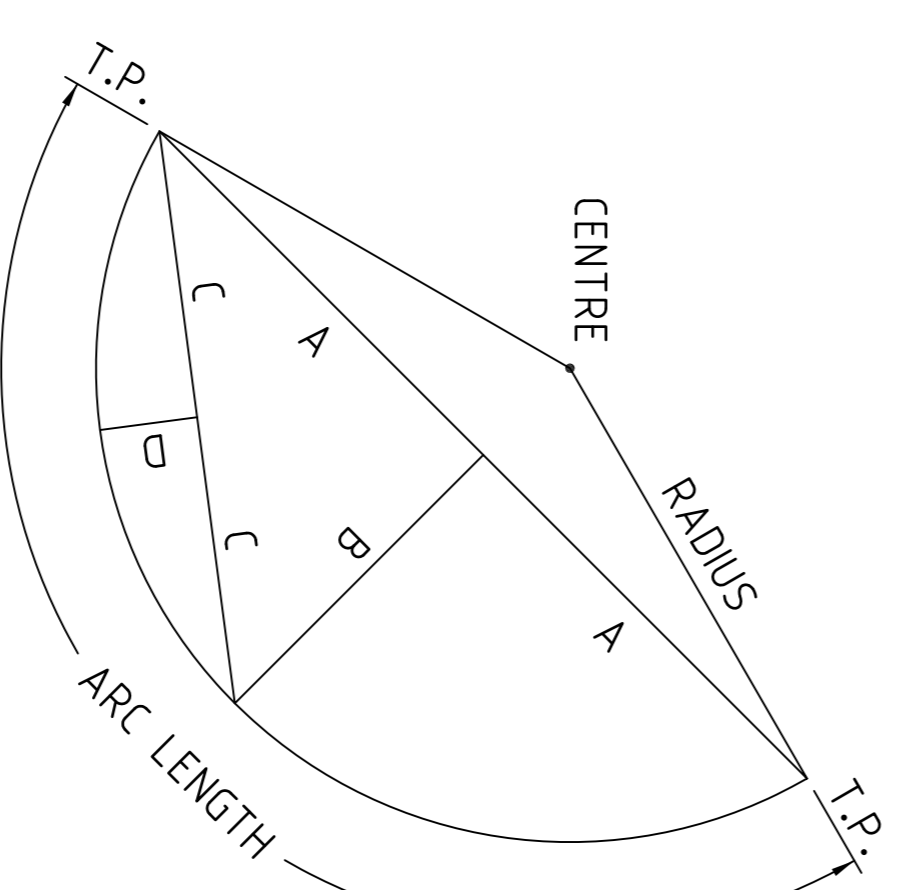
LOCATION	EASTING	NORTHING
P1	329060.741	5829925.262
P2	329068.822	5829916.868
P3	329071.942	5829912.097
P4	329072.650	5829897.517
P5	329072.782	5829886.828
P6	329075.609	5829888.516
P7	329076.201	5829887.623
P8	329080.573	5829883.228
P9	329085.784	5829879.285
P10	329088.052	5829895.565
P11	329072.621	5829916.919
P12	329067.704	5829916.919
P13	329067.476	5829986.785
P14	329067.399	5829989.323
P15	329066.685	5829991.496
P16	329064.672	5829992.867
P17	329198.720	5830065.663
P18	329198.634	5830069.340
P19	329204.134	5830070.890
P20	329200.747	5830070.811
P21	329182.772	5830083.277
P22	329179.314	5830084.518
P23	329173.929	5830084.348
P24	329170.337	5830085.711
P25	329165.911	5830089.893
P26	329204.399	5830064.103
P27	329206.843	5830065.388
P28	329210.991	5830057.537
P29	329215.237	5830049.411
P30	329216.070	5830045.276
P31	329216.250	5830041.022
P32	329215.268	5830025.956
P33	329212.980	5830011.032
P34	329217.256	5830051.174
P35	329219.867	5830052.392
P36	329222.370	5830053.065
P37	329238.870	5830054.540
P38	329242.498	5830055.424
P39	329245.703	5830057.340
P40	329249.963	5830059.928
P41	329254.779	5830061.210
P42	329256.595	5830061.424
P43	329259.606	5830061.577
P44	329269.509	5830060.971

TRAVERSE LINE CURVE SETOUT

CURVE No.	RADIUS R	ARC LENGTH	A	B	C	D
R1	15.500	3.322	1.658	0.089	0.830	0.022
R2	200.000	14.714	7.369	0.136	3.685	0.034
R3	200.000	20.885	10.438	0.273	5.221	0.068
R4	200.000	41.258	20.592	1.063	10.310	0.266
R5	200.000	20.986	10.488	0.275	5.246	0.069
R6	200.000	12.155	6.076	0.092	3.039	0.023
R7	500.000	60.767	30.365	0.923	15.190	0.231
R8	200.000	12.153	6.076	0.092	3.038	0.023
R9	200.000	20.669	10.330	0.267	5.167	0.067
R10	500.000	61.719	30.840	0.952	15.427	0.238
R11	200.000	14.718	7.358	0.135	3.679	0.034
R12	100.000	20.277	10.121	0.514	5.067	0.128
R13	100.000	16.180	8.081	0.327	4.044	0.082
R14	10.000	4.460	2.212	0.248	1.113	0.062

SIDE PATH CURVE SETOUT

CURVE No.	RADIUS R	ARC LENGTH	A	B	C	D
R15	7.500	5.431	2.656	0.486	1.350	0.123
R16	2.500	0.704	0.351	0.025	0.176	0.006
R17	2.500	1.132	0.561	0.064	0.282	0.016
R18	20.000	19.943	9.563	2.435	4.934	0.618
R19	5.000	5.134	2.456	0.645	1.269	0.164
R20	2.500	4.132	1.839	0.806	1.004	0.210
R21	2.500	3.722	1.694	0.661	0.909	0.171
R22	5.000	3.762	1.837	0.350	0.935	0.088
R23	5.000	3.943	1.921	0.384	0.979	0.097
R24	2.500	3.492	1.608	0.585	0.855	0.151
R25	2.500	4.269	1.884	0.857	1.035	0.224
R26	30.273	18.682	9.194	1.430	4.652	0.360
R27	27.072	8.445	4.206	0.329	2.109	0.082
R28	173.569	30.206	15.084	0.657	7.549	0.164
R29	7.500	2.605	1.296	0.113	0.650	0.028
R30	12.500	7.496	3.692	0.558	1.867	0.140
R31	17.500	10.003	4.933	0.710	2.492	0.178
R32	17.500	3.016	1.506	0.065	0.754	0.016

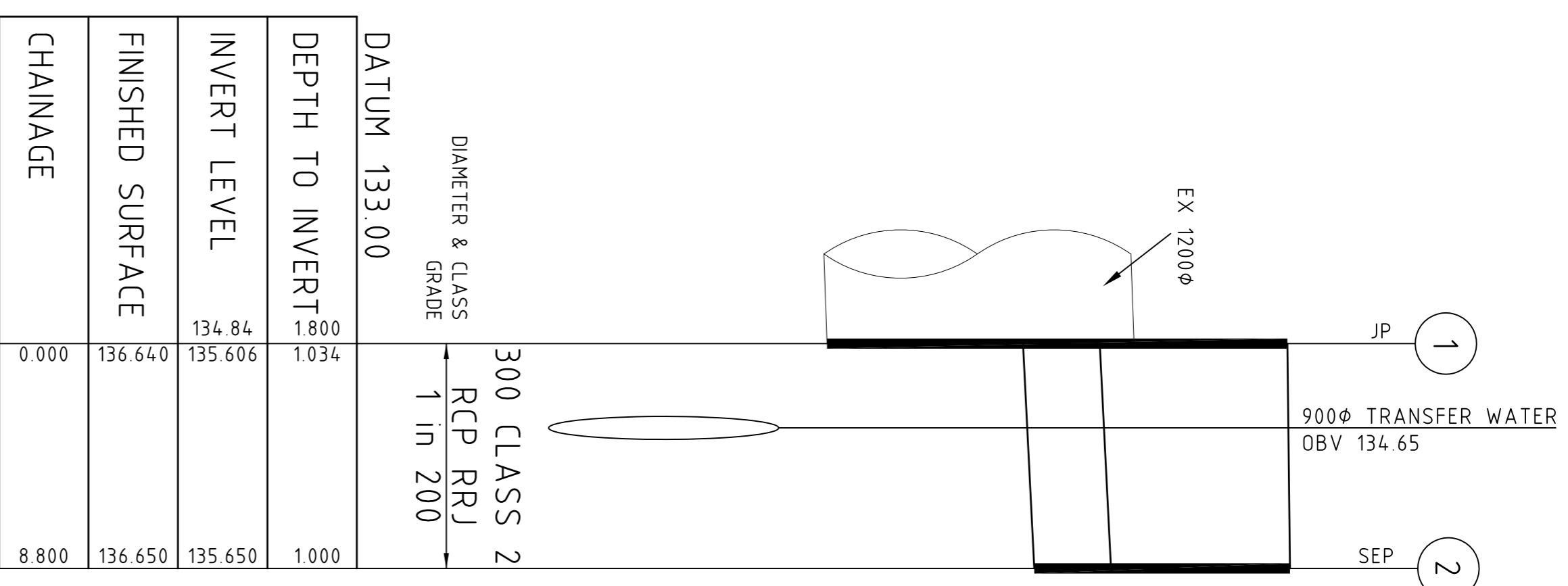


CIVIL ROAD SOLUTIONS P/L		CITY OF WHITTLESEA	
60 Thompson Street, Avordale Heights, 3034 Phone: (03) 9331 4683, Mob: 0402 231310 Email: rimmer@civillroadsolutions.com ABN 13 151 174 104		YAN YEAN PIPE TRACK MOORHEAD DRIVE TO CENTENARY DRIVE , MILLPARK – STAGE 4 PROPOSED SHARED PATH SETOUT TABLES	
DESIGNED BY: MOONLAND GROUP	CHECKED BY: YAN YEAN 1285P1	DATE: 29/11/2019	DATE: xx/xx/xx
PROJECT MANAGER: NAME: DATE:		TEAM LEADER DESIGN & DELIVERY: NAME: DATE:	
DESIGN & DELIVERY TEAM MEMBER: NAME: DATE:		APPROVED BY: NAME: DATE:	
DRAWN BY: DATE: 29/11/2019		APPROVED BY: DATE: xx/xx/xx	
DATE	AMENDMENTS	REV	DATE

CRS Dwg. No. 1296
CRS Revision No. P2

DRAWING NO. **A13296**
Engineering File No.

SCALE 1:250
SHEET 20 OF 21



DATUM	133.00
DEPTH TO INVERT	1.800 1034
INVERT LEVEL	134.84 135.606
FINISHED SURFACE	136.650 136.650
CHAINAGE	0.000 8.800

PIT No.	PIT DEPTH	PIT TYPE	INTERNAL DIMENSIONS (LxW)	FINISHED LEVEL	EASTING COORDINATES	NORTHING COORDINATES	INVERT LEVEL (INLET)	PIPE DIAMETER (INLET)	INVERT LEVEL (OUTLET)	PIPE DIAMETER (OUTLET)	PIT LID AND REMARKS
1	1.800	HAUNCHED JUNCTION PIT	750 x 750	136.640	3294.78.448	5830300.988	134.840 135.606	EX1200Ø 300Ø	134.840	EX1200Ø	BREAK OVER EXISTING 1200Ø PIPE WITH NEW PIT CONSTRUCT HAUNCHED PIT TO VIC ROADS SD 1021C CONSTRUCT SEP TO STD. DRG SD 200
2	1.000	SIDE ENTRY PIT	900 x 600	136.650	3294.82.284	5830308.882	-	-	135.650	300Ø	

PIT SCHEDULE

CIVIL ROAD SOLUTIONS P/L 60 Thompson Street, Avordale Heights, 3034 Phone: (03) 9331 4683, Mob: 0402 231310 Email: rimmer@civildroadsolutions.com ABN 13 151 174 104				SURVEYED BY: MOONLAND GROUP CAD FILE: YAN YEAN 1285P1 DATUM: A.H.D		PROJECT MANAGER NAME: DESIGN & DELIVERY TEAM MEMBER PEER CHECK DATE:		TEAM LEADER DESIGN & DELIVERY NAME: APPROVED MANAGER CITY DESIGN & TRANSPORT DATE:		CITY OF WHITTLESEA YAN YEAN PIPE TRACK MOORHEAD DRIVE TO CENTENARY DRIVE, MILLPARK – STAGE 4 PROPOSED SHARED PATH DRAIN LONGSECTION & PIT SCHEDULE		DRAWING NO. A13296	Engineering File No.
DESIGNED RI	DATE: 29/11/2019	CHECKED TI	DATE: xx/xx/xx	APPROVED XX	DATE: xx/xx/xx								
DRAWN RI	DATE: 29/11/2019												
AMENDMENTS	REV	DATE	AMENDMENTS	REV	DATE	AMENDMENTS	REV	DATE	AMENDMENTS	REV	DATE	AMENDMENTS	

CRS Dwg. No.	1296
CRS Revision No.	P2