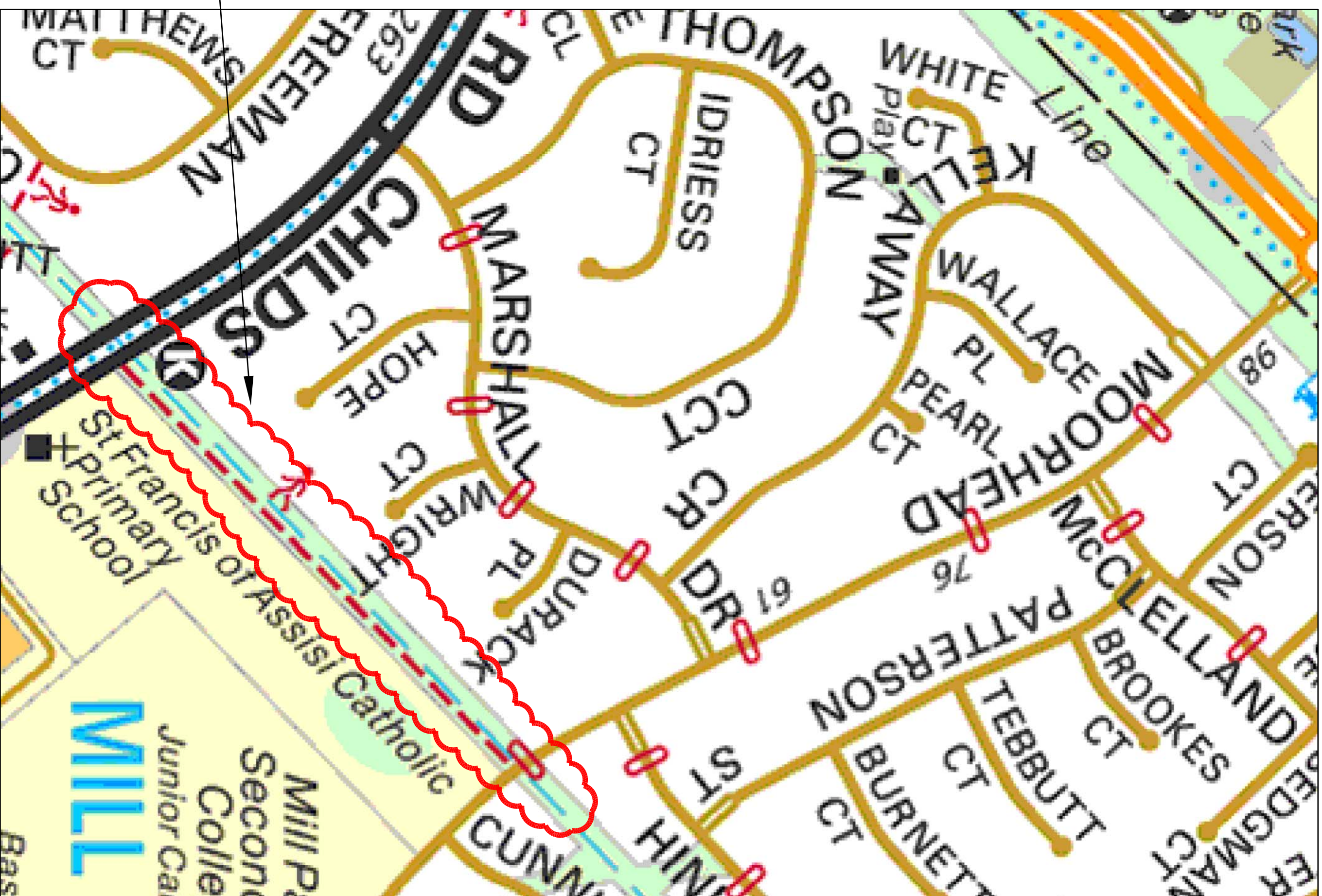




CITY OF WHITTLESEA

YAN YEAN PIPE TRACK, MILL PARK - SHARED PATH
CHILDS ROAD TO MOORHEAD DRIVE - STAGE 3



LOCALITY PLAN
NOT TO SCALE

[illegible]

DRAWING INDEX	
Draw. No.	DESCRIPTION
1	LOCALITY PLAN & DRAINING INDEX
2	GENERAL CONSTRUCTION . TREE SITE SPECIFIC AND LINEMARKING NOTES
3	SHARED PATH AND BOLLARD DETAILS
4	RAISED PAVEMENT AND POST AND CHAIN DETAILS
5	LINEMARKING AND SIGNAGE DETAILS
6	ALIGNMENT PLAN
7	DETAIL PLAN
8	DETAIL PLAN
9	DETAIL PLAN
10	DETAIL PLAN
11	LONGITUDINAL SECTIONS
12	LONGITUDINAL SECTION AND SETOUT TABLES
13	GROSS SECTIONS
14	GROSS SECTIONS
15	GROSS SECTIONS

WARNING

BWARE OF UNDERGROUND SERVICES
AND OVERHEAD POWERLINES

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



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	CITY OF WHITTLESEA	DRAWING NO.	A13295
	YAN YEAN PIPE TRACK	Engineering File No.	
	CHILDS ROAD TO MOORHEAD DRIVE, MILLPARK – STAGE 3 PROPOSED SHARED PATH LOCALITY PLAN & DRAWING INDEX	SCALE 1:250 @A1	SHEET 1 OF 15

GENERAL NOTES

1 ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE CITY OF WHITLESTA 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. TBMS ARE NAILS LOCATED IN FOOTPATHS AND ISLANDS. ALL TBMS ARE TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS. IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL EXTRA TBMS 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 15 METRES IN DEPTH, A NOTICE IS TO BE SENT TO THE VICTORIAN WORKCOVER AUTHORITY IN ACCORDANCE WITH THE CODE.

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, VEHICULAR 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 DEVOLITION 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 OR 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

MANY PRUNING THAT IS REQUIRED MUST BE CARRIED OUT BY TRAINED AND COMPETENT ARBOREST 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 RADIALLY FROM THE TRUNK RATHER THAN ACROSS THE ROOT PLATE. THIS WILL AVOID TEARING THE ROOTS BACK UP TOWARDS THE TRUNK.

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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 ITS 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.

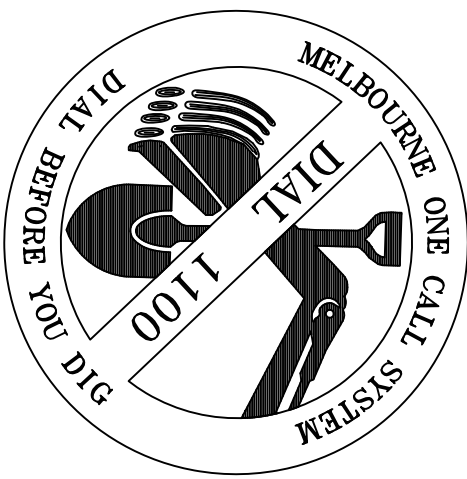
3. WHERE THE PATH ABUTS EXISTING GARDEN BEDS, SOIL SAND OR SIMILAR MATERIAL MUST BE REMOVED AND THE DISTURBED AREA ADJACENT TO THE PATH TOPPED WITH A MINIMUM OF 100mm OF GARDEN MULCH.

SIGNAGE AND LINEMARKING NOTES

- 1 ALL SIGNAGE AND LINEMARKING TO BE MANUFACTURED IN ACCORDANCE WITH ASTM742.9 "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES- BICYCLE FACILITIES" (CURRENT EDITION)
2. UNLESS OTHERWISE SHOWN ON THE PLANS, ALL SIGNS, RRPMS AND LINEMARKING TO BE INSTALLED IN ACCORDANCE WITH VICTROADS 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

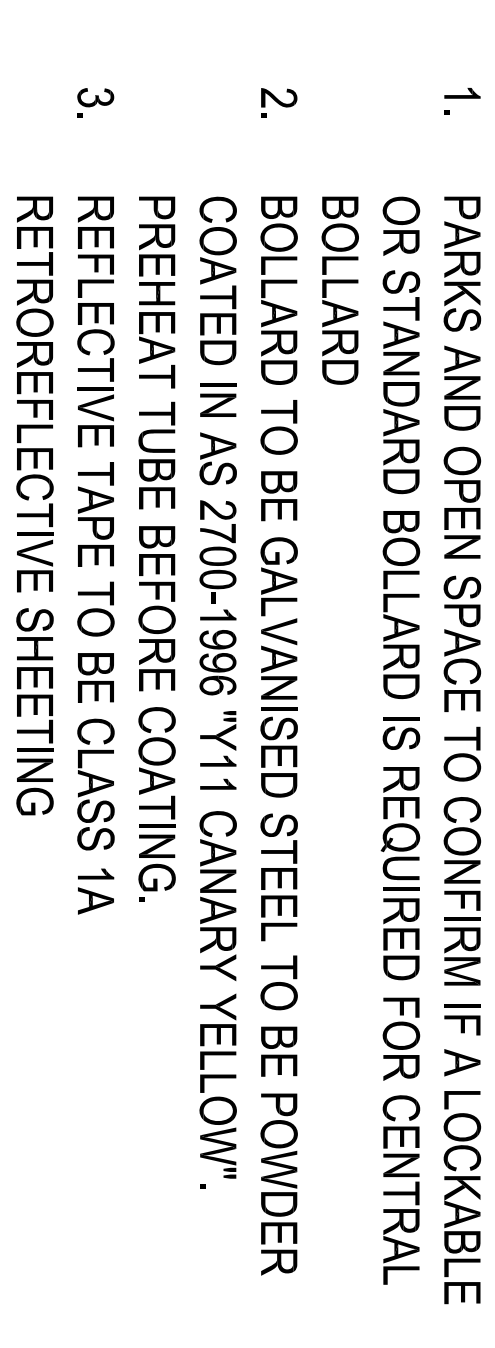
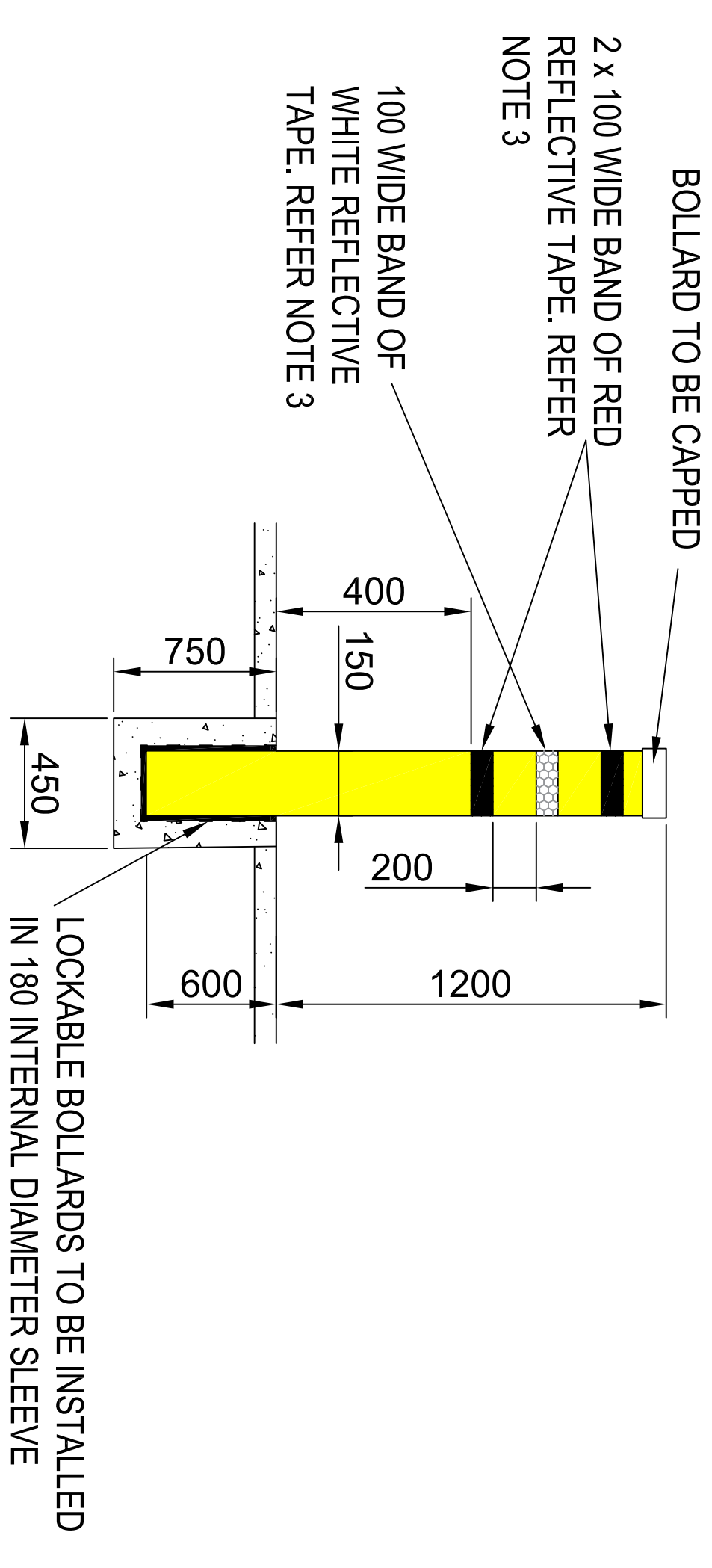
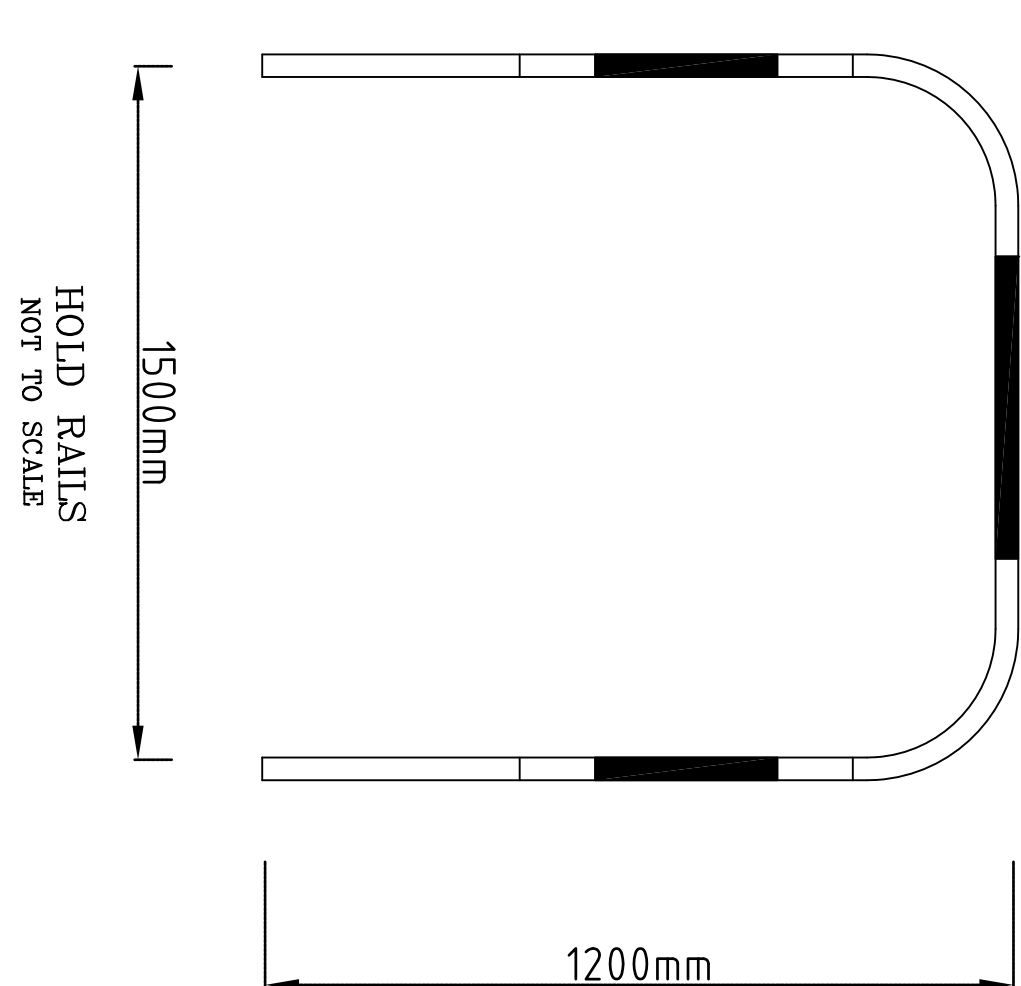
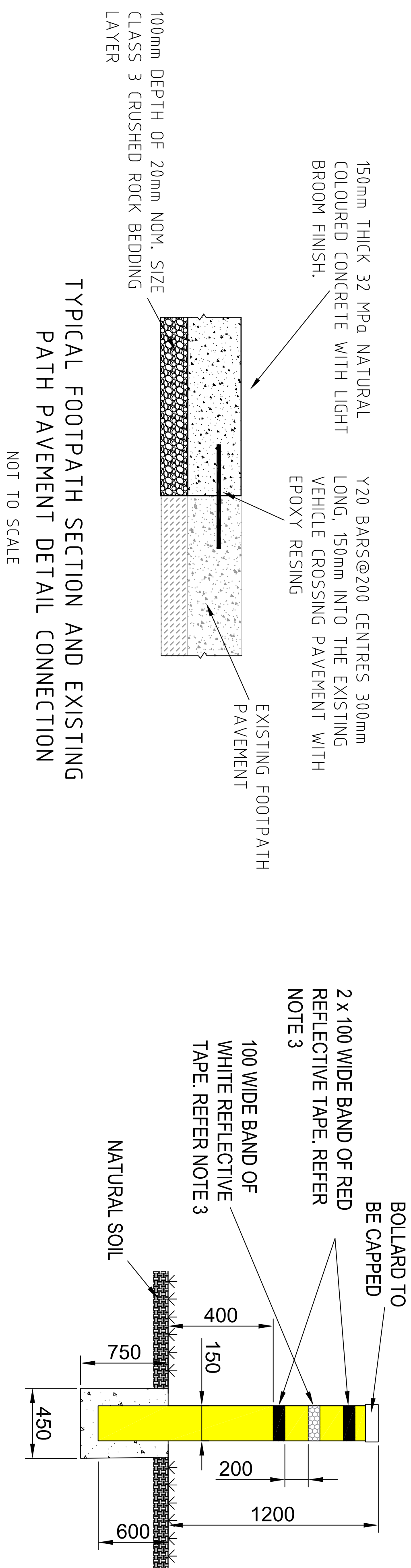
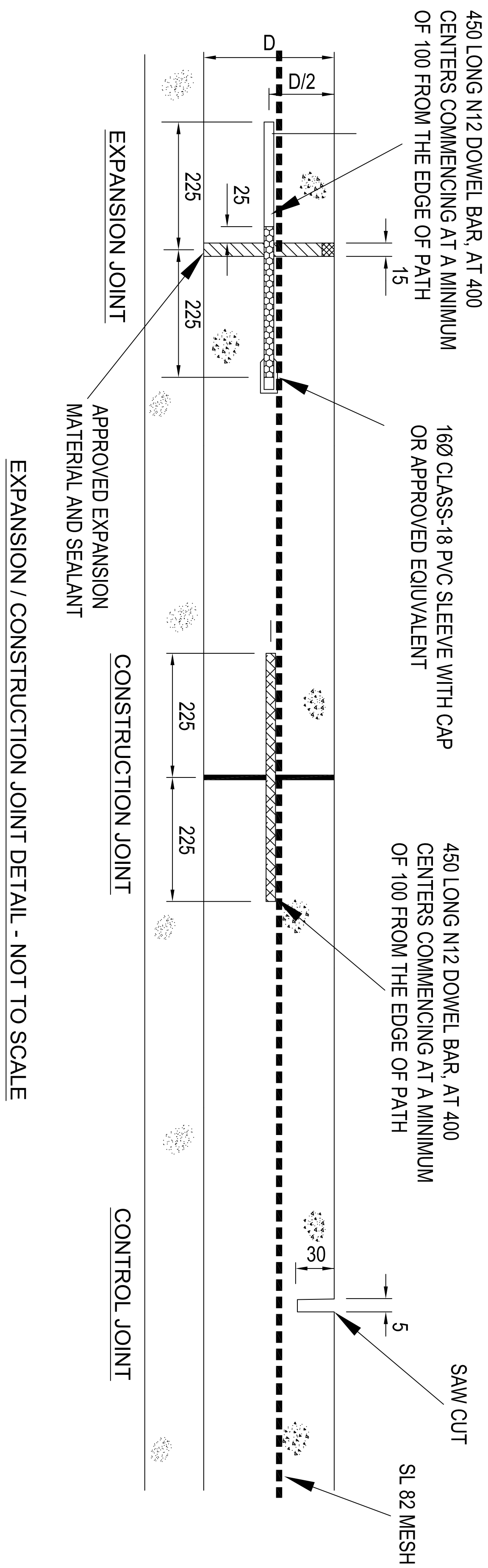
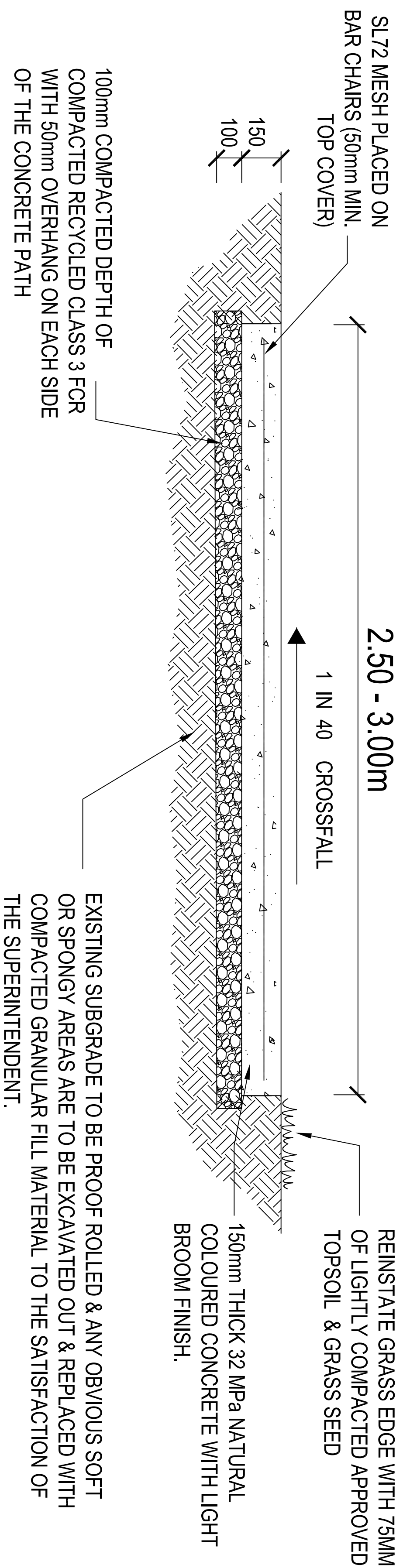
6. ALL LINEMARKING MATERIALS TO BE IN ACCORDANCE WITH VICROADS STANDARD SPECIFICATIONS FOR ROADWORKS AND BRIDGEWORKS SECTION 724. LONGLIFE PAVEMENT MARKINGS – NEW INSTALLATIONS.

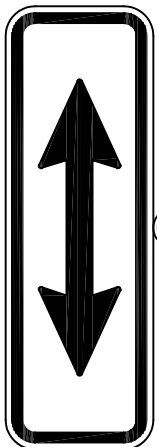
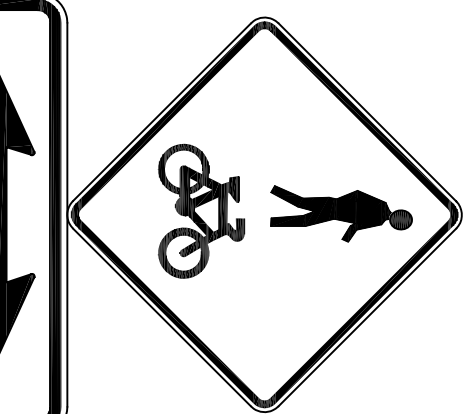
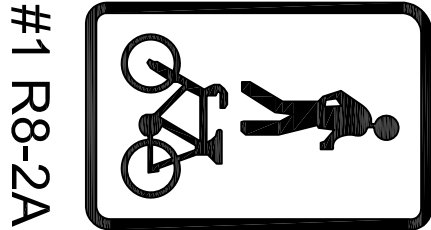


WARNING

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

 CITY OF WHITTLESEA	DRAWING NO. A13295
	Engineering File No.
	SCALE 1:250 @A1
SHEET 2 OF 15	

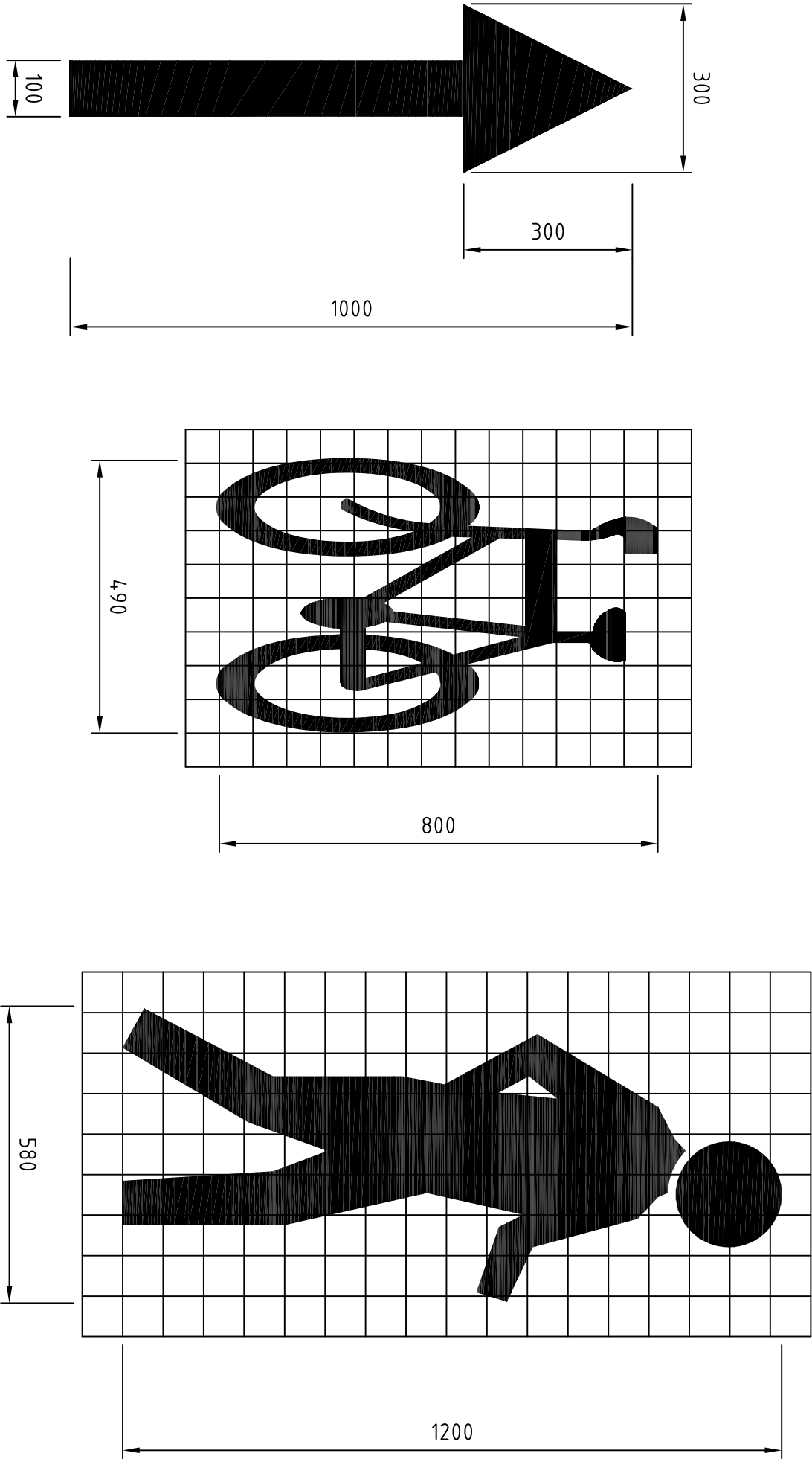
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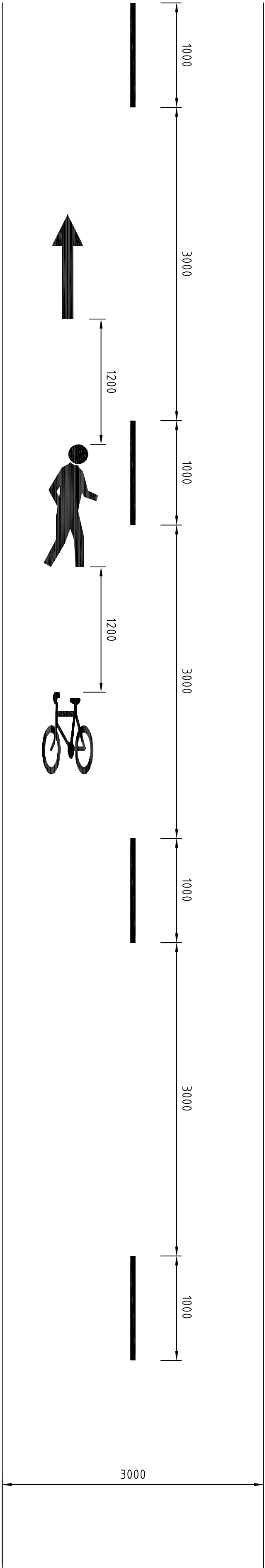
SIGN
SCHEDULE

SIGNAGE NOTES:

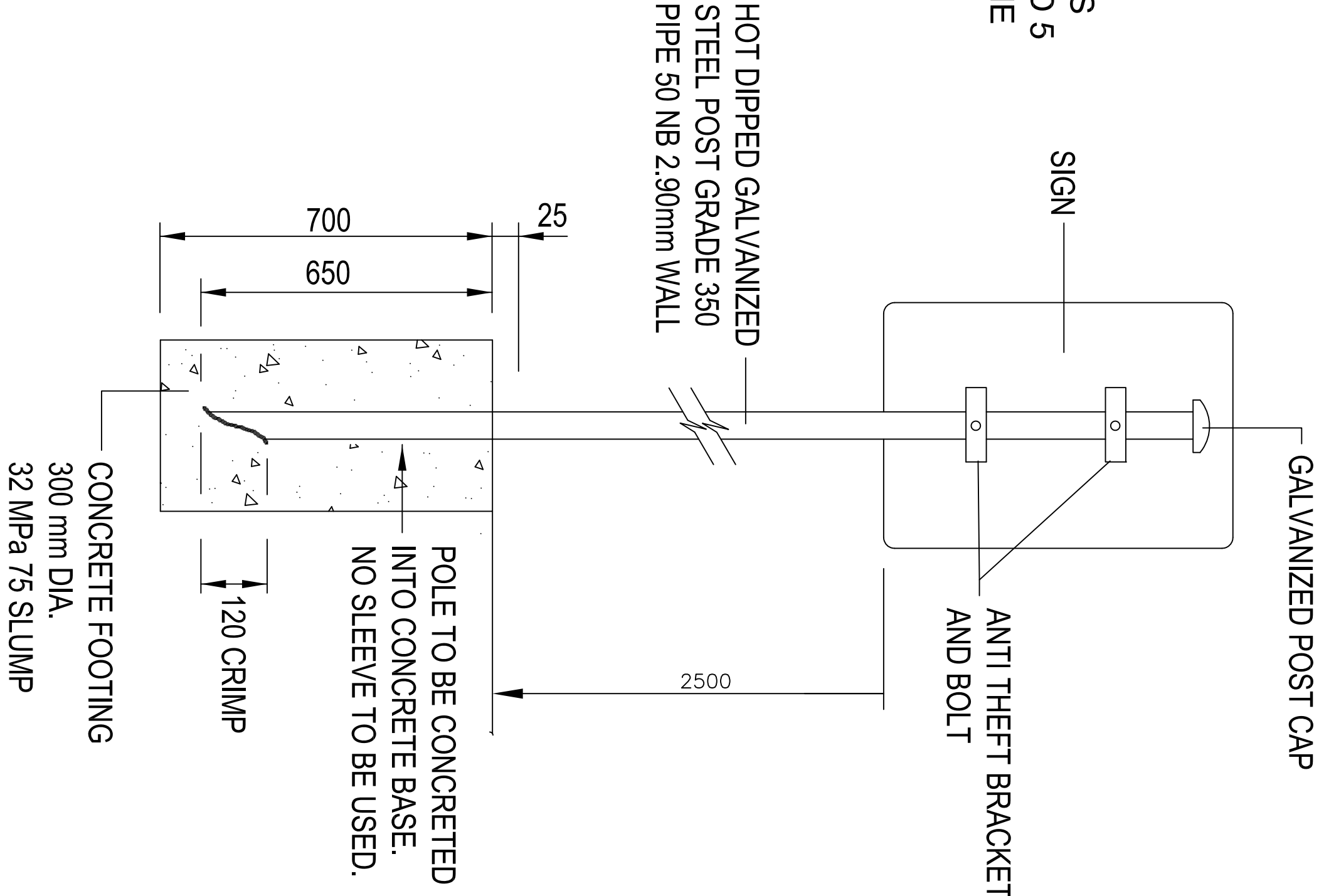
1. THE FOLLOWING SPECIFICATIONS APPLY; AS 1743-1992 ROAD SIGN SPECIFICATION,AS 1742.1 (1991), AS 1742.2 (1994) AND AS 1742.5 (1997) AS 1742 MANUAL AND UNIFORM TRAFFIC CONTROL DEVICES PARTS 1, 2 AND 5 VICROADS-TRAFFIC ENGINEERING MANUAL VOLUME 2 SIGNAGE AND LINE MARKING.
2. AS 4792 HOT DIP GALVANISING.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



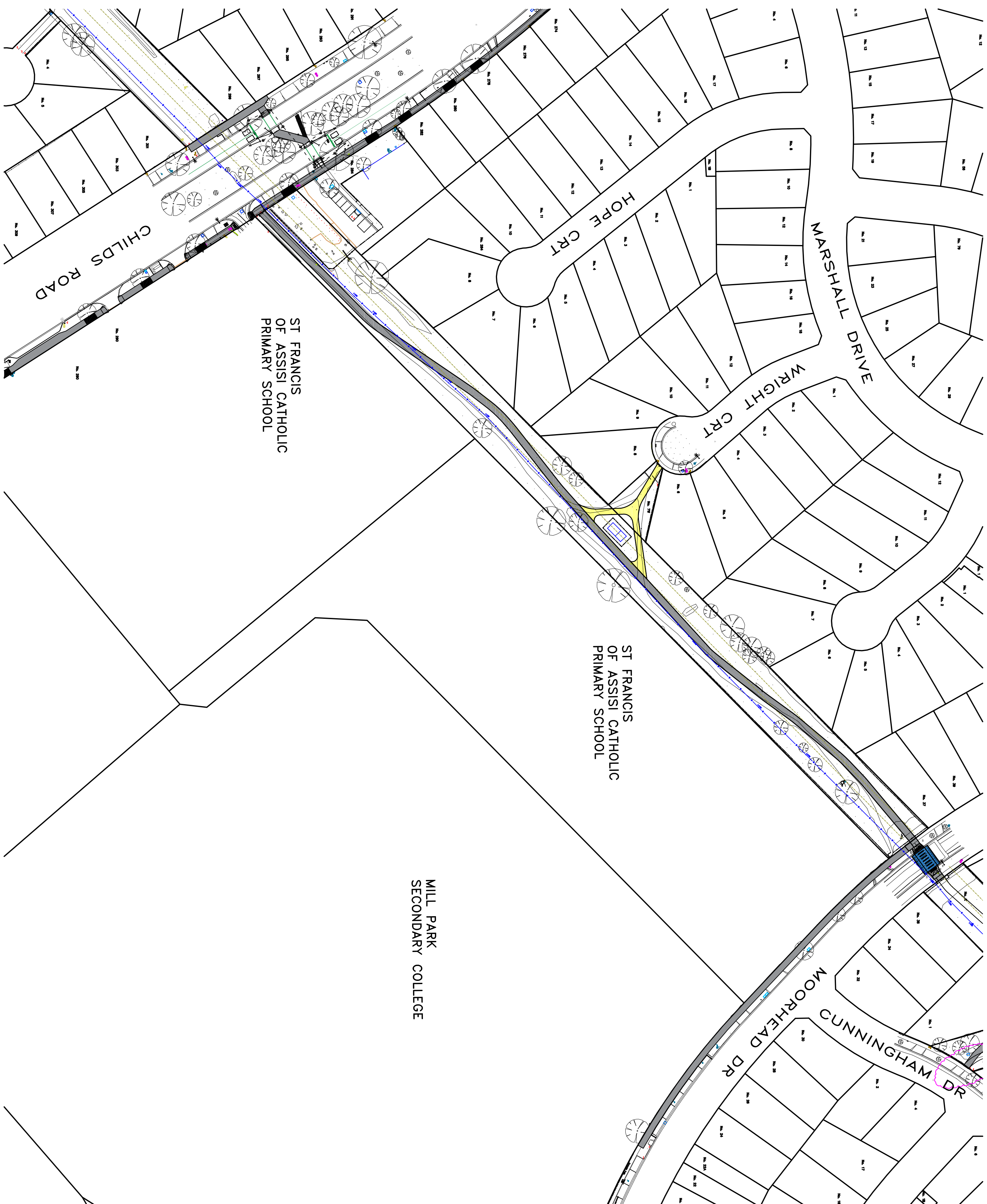
BICYCLE PEDESTRIAN AND ARROW PAVEMENT SYMBOLS TO
AS1742.9 GROUPS SPACED AT NO MORE THAN 200m CENTRES
ALONG ENTIRE LENGTH OF SHARED PATH.



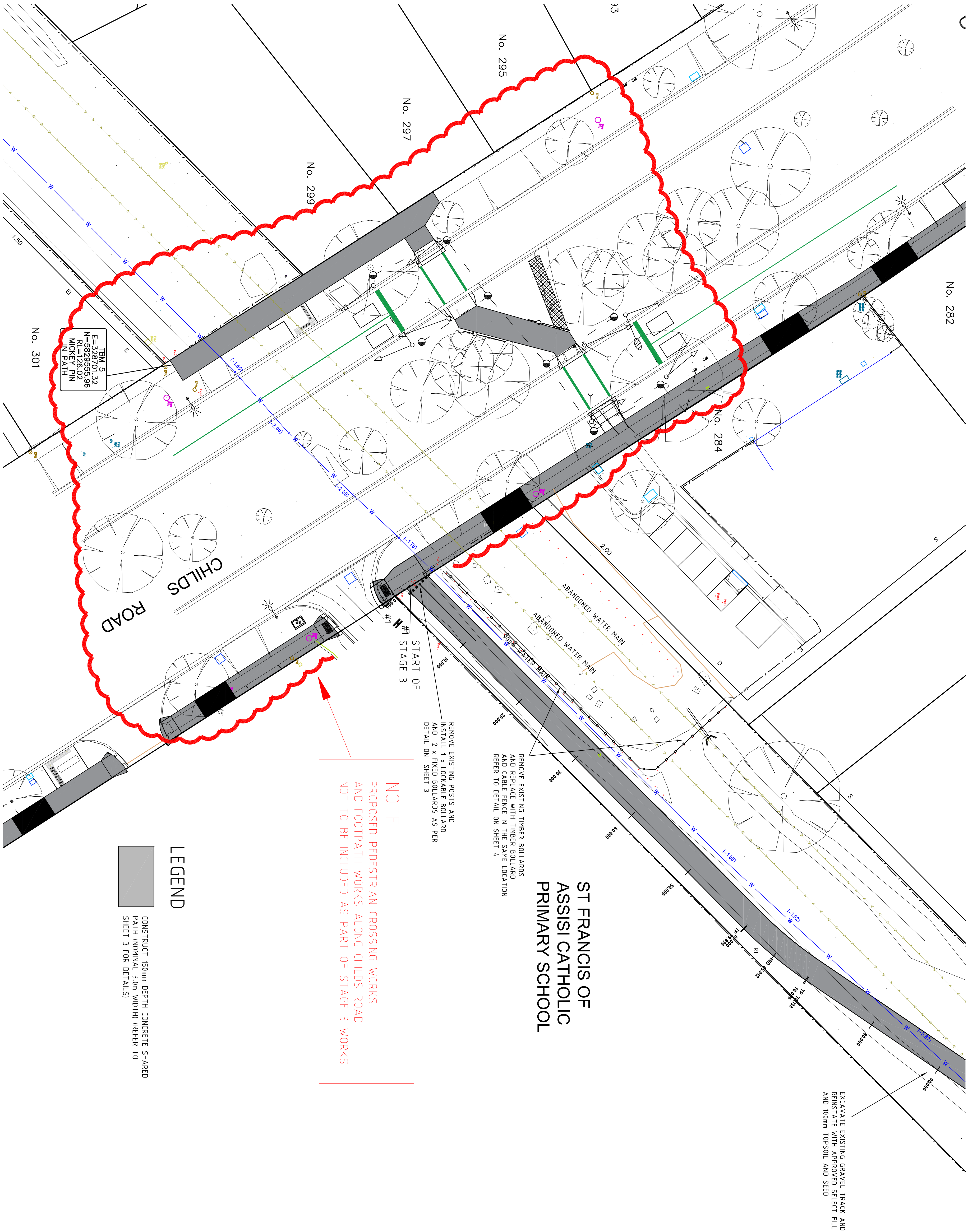
CIVIL ROAD SOLUTIONS P/L				SURVEYED BY: MOONLAND GROUP		PROJECT MANAGER		TEAM LEADER DESIGN & DELIVERY		CITY OF WHITTLESEA	
60 Thompson Street, Avondale Heights, 3034 Phone: (03) 9331 4683, Mob: 0402 231310 Email: rimrex@civlroadsolutions.com ABN 13 151 174 104				NAME: YAN YEAN 129SP1		NAME: DESIGN & DELIVERY TEAM MEMBER		NAME: APPROVED MANAGER CITY DESIGN & TRANSPORT		YAN YEAN PIPE TRACK	
DESIGNED RI DATE 15/11/2019				CHECKED TI DATE xx/xx/xx		DATE: PEER CHECK		DATE: TRANSPORT		MILLPARK – STAGE 3	
DRAWN RI DATE 15/11/2019				APPROVED XX DATE xx/xx/xx		DATE:		DATE:		PROPOSED SHARED PATH	
AMENDMENTS				DATE		DATE:		DATE:		SIGNAGE & LINEMARKING DETAILS	
REV				DATE		DATE:		DATE:		SCALE 1:250	
AMENDMENTS				DATE		DATE:		DATE:		SHEET 5 OF 15	

CRS Dwg. No. 1295

CRS Revision No. P2



CRS Dwg. No.		1295
CRS Revision No.		P2
DRAWING NO.		A13295
Engineering File No.		
 CITY OF WHITTLESEA YAN YEAN PIPE TRACK CHILDS ROAD TO MOORHEAD DRIVE, MILLPARK – STAGE 3 PROPOSED SHARED PATH ALIGNMENT PLAN		
TEAM LEADER DESIGN & DELIVERY		NAME: DATE:
PROJECT MANAGER		NAME: DATE:
SURVEYED BY: MOONLAND GROUP		CAD FILE: YAN YEAN 1295P1
DESIGNED RI		CHECKED TI
DATE 15/11/2019		DATE xx/xx/xx
DRAWN RI		APPROVED XX
DATE 15/11/2019		DATE xx/xx/xx
AMENDMENTS		REV
DATE		REV
AMENDMENTS		REV
DATE		REV
AMENDMENTS		REV
DATE		REV



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PRIMARY SCHOOL

NOTE
PROPOSED PEDESTRIAN CROSSING WORKS
AND FOOTPATH WORKS ALONG CHILDS ROAD
NOT TO BE INCLUDED AS PART OF STAGE 3 WORKS

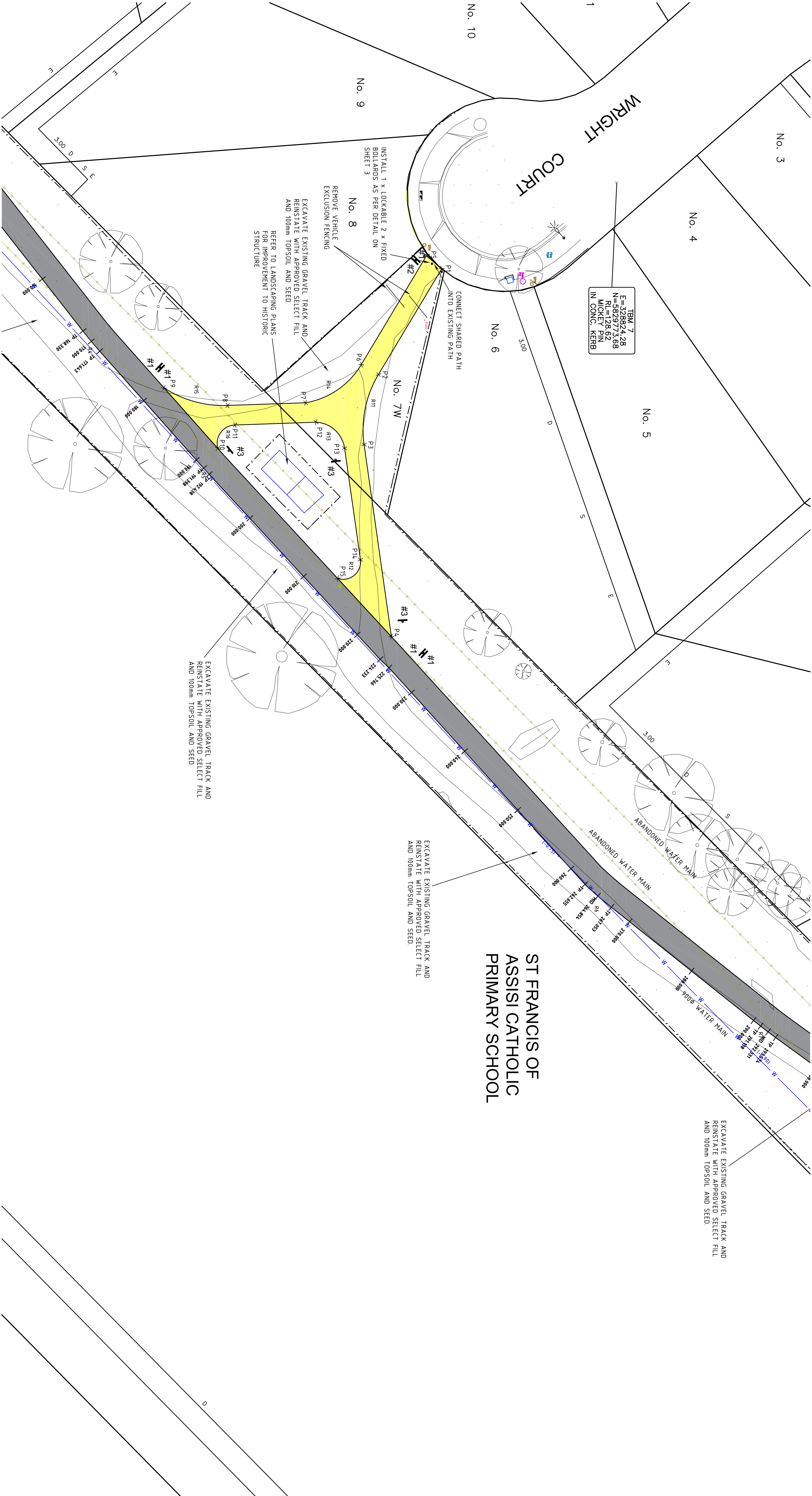
LEGEND

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

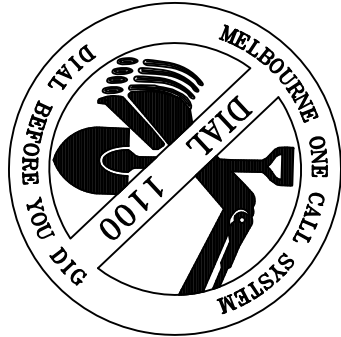


WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS MADE FOR THE ACCURACY OF THE INFORMATION SHOWN. THE CONTRACTOR MUST VERIFY ALL SERVICES ON SITE PRIOR TO ANY EXCAVATION WORKS.

CIVIL ROAD SOLUTIONS P/L				SURVEYED BY: MOONLAND GROUP		PROJECT MANAGER		TEAM LEADER DESIGN & DELIVERY		CITY OF WHITTLESEA	
60 Thompson Street, Avondale Heights, 3034 Phone: (03) 9331 4683, Mob: 0402 231310 Email: rimrex@civlroadsolutions.com ABN 13 151 174 104				NAME: YAN YEAN 1295P1		NAME: PEER CHECK		NAME: TRANSPORT		YAN YEAN PIPE TRACK CHILDS ROAD TO MOORHEAD DRIVE, MILLPARK – STAGE 3 PROPOSED SHARED PATH DETAIL PLAN	
DESIGNED RI DATE: 15/11/2019				DATE: 15/11/2019		DATE: 15/11/2019		DATE: 15/11/2019		DRAWING NO. A13295	
DRAWN RI				DATE: xx/xx/xx		DATE: xx/xx/xx		DATE: xx/xx/xx		Engineering File No.	
AMENDMENTS				DATE		DATE		DATE		SCALE 1:250	
AMENDMENTS				REV		REV		REV		SHEET 7 OF 15	



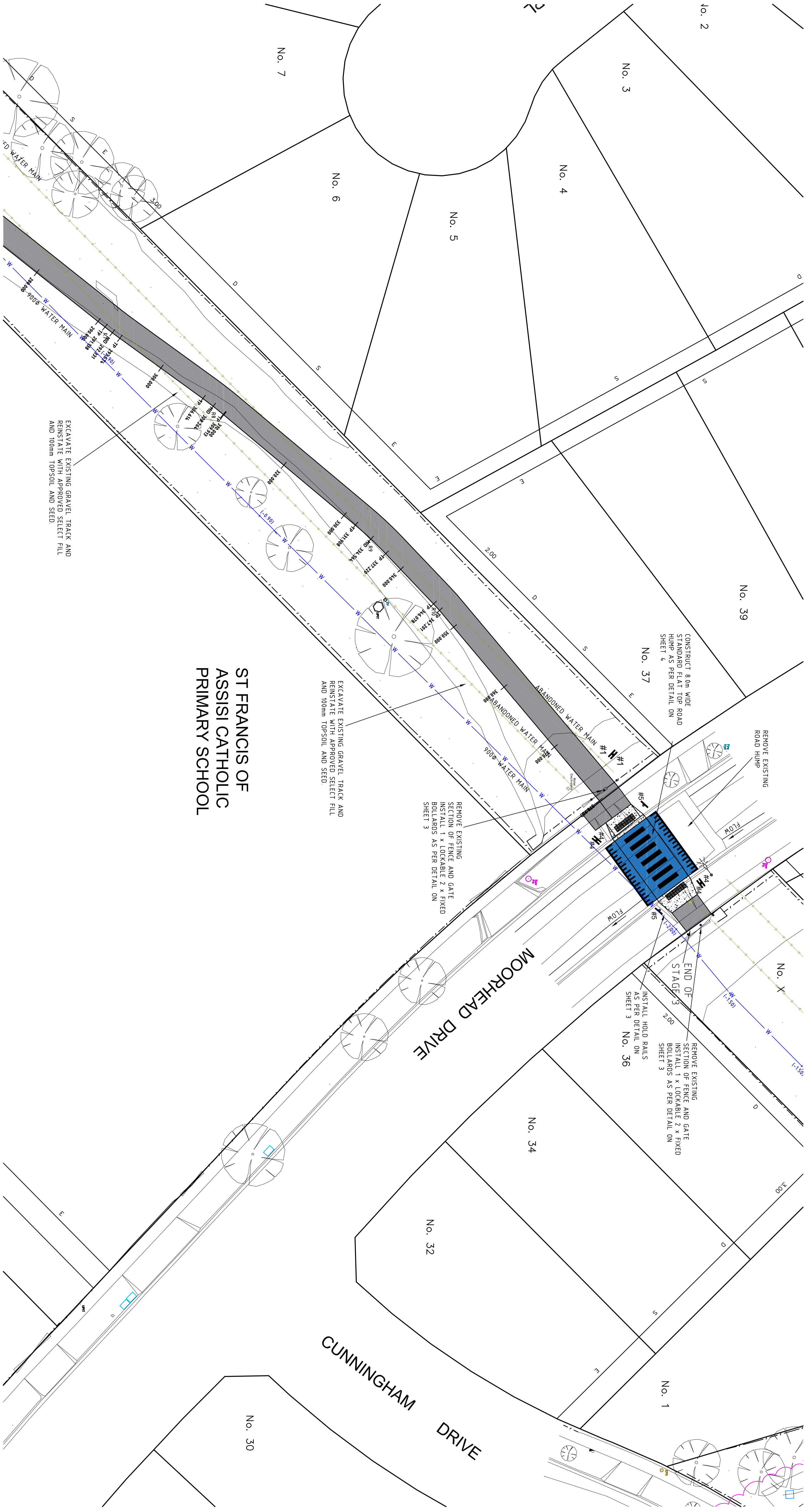
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LEGEND
CONSTRUCT 150mm DEPTH CONCRETE SHARED PATH (NOMINAL 3.0m WIDTH) (REFER TO SHEET 3 FOR DETAILS)

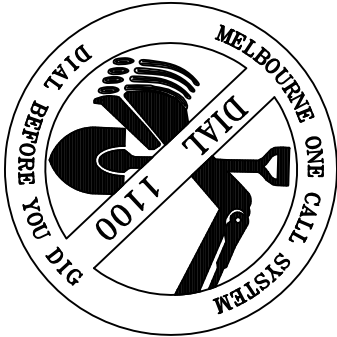
LEGEND
EXCAVATE EXISTING GRAVEL TRACK AND REINSTATE WITH APPROVED SELECT FILL AND 100mm TOPSOIL AND SEED

CIVIL ROAD SOLUTIONS P/L				SURVEYED BY:		PROJECT MANAGER		TEAM LEADER DESIGN & DELIVERY		CITY OF WHITTLESEA	
60 Thompson Street, Avondale Heights, 3034 Phone: (03) 9331 4683, Mob: 0402 231310 Email: rimrex@civlroadsolutions.com ABN 13 151 174 104				MOONLAND GROUP		NAME: DATE:		NAME: DATE:		DRAWING NO. A13295	
DESIGNED RI DATE: 15/11/2019				CAD FILE: YAN YEAN 128SP1		DESIGN & DELIVERY TEAM MEMBER		APPROVED: MANAGER CITY DESIGN & TRANSPORT		Engineering File No.	
CHECKED TI DATE: xx/xx/xx				DATE: xx/xx/xx		PEER CHECK		NAME: DATE:		SCALE 1:250	
DRAWN RI DATE: 15/11/2019				APPROVED XX DATE: xx/xx/xx		NAME: DATE:		NAME: DATE:		SHEET 9 OF 15	
AMENDMENTS				AMENDMENTS		AMENDMENTS		AMENDMENTS		AMENDMENTS	
DATE				REV		DATE		REV		DATE	



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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				SURVEYED BY:		PROJECT MANAGER		TEAM LEADER DESIGN & DELIVERY		CITY OF WHITTLESEA	
60 Thompson Street, Avondale Heights, 3034				MOONLAND GROUP		NAME:		NAME:		DRAWING NO.	
Phone: (03) 9331 4683, Mob: 0402 231310				CAD FILE:		DATE:		DATE:		A13295	
Email: rimrex@civilroadsolutions.com ABN 13 151 174 104				YAN YEAN 1295P1		DESIGN & DELIVERY TEAM MEMBER		APPROVED: MANAGER CITY DESIGN & TRANSPORT		Engineering File No.	
DESIGNED RI				CHECKED TI		PEER CHECK		NAME:		SCALE 1:250	
DATE 15/11/2019				DATE xx/xx/xx		DATE:		NAME:		SHEET 10 OF 15	
DRAWN RI				APPROVED XX		NAME:		DATE:			
DATE 15/11/2019				DATE xx/xx/xx		NAME:		DATE:			
AMENDMENTS				AMENDMENTS		NAME:		DATE:			
REV				REV		NAME:		DATE:			
DATE				DATE		NAME:		DATE:			

TRAVERSE LINE SETOUT

LOCATION	EASTING	NORTHING
CH00	328729.608	5829583.344
CH10	328736.716	5829590.379
CH20	328743.823	5829597.473
CH30	328750.930	5829604.448
CH40	328758.038	5829611.483
CH50	328765.145	5829618.577
TP59.89	328772.174	5829625.475
CH60	328772.252	5829625.552
MID65.01	328775.635	5829629.247
CH70	328778.640	5829633.226
TP70.13	328778.715	5829633.336
CH80	328784.264	5829641.495
CH90	328789.888	5829649.764
CH100	328795.512	5829658.032
CH110	328801.136	5829666.301
CH115.67	328804.228	5829670.994
CH120	328806.270	5829674.477
TP124.98	328810.013	5829678.361
MID129.82	328813.162	5829682.036
CH130	328813.084	5829682.765
TP134.66	328816.637	5829685.405
TP137.56	328818.935	5829687.291
TP139.70	328820.192	5829688.650
CH140	328820.726	5829688.832
CH150	328828.603	5829694.993
CH160	328836.480	5829701.153
TP168.33	328843.041	5829706.285
CH170	328844.341	5829707.334
TP171.64	328845.586	5829708.406
CH180	328851.834	5829713.956
CH190	328859.311	5829720.597
TP191.40	328860.356	5829721.525
TP192.44	328861.126	5829722.223
CH200	328866.681	5829727.355
CH210	328874.026	5829734.141
CH220	328881.371	5829740.927

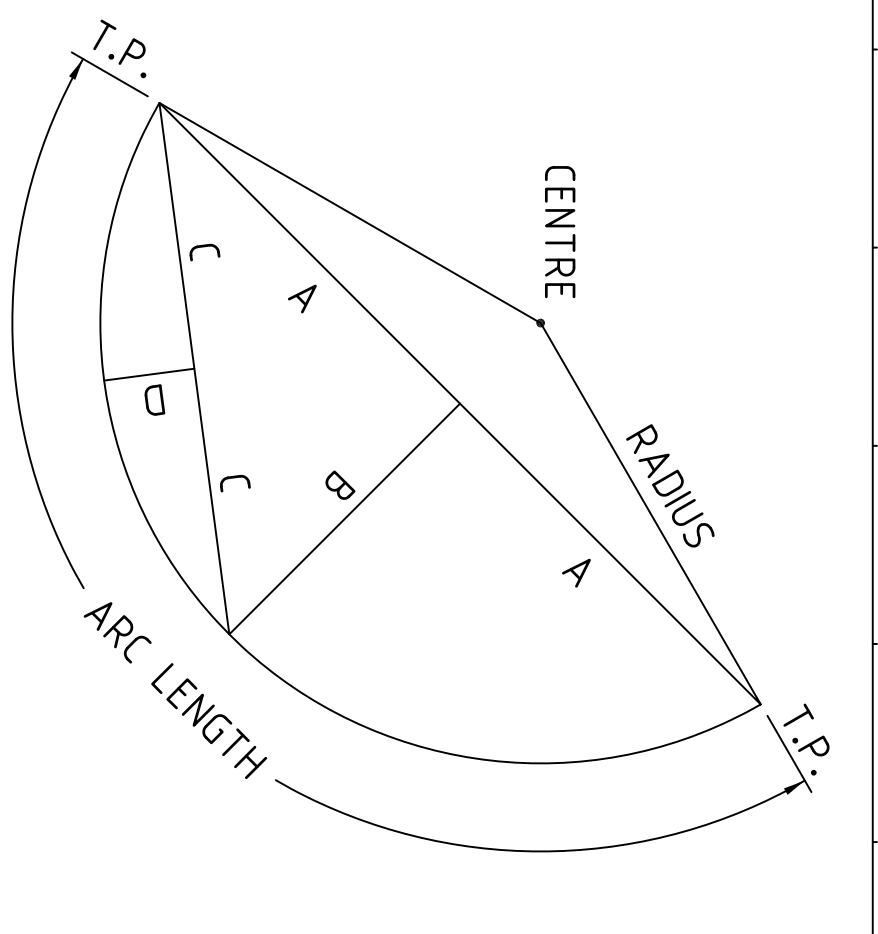
TRAVERSE LINE SETOUT

LOCATION	EASTING	NORTHING
CH24.23	328884.480	502974.3 800
CH25.77	328885.531	502974.4 915
CH20	328888.670	502974.7 757
CH240	328896.085	502975.4 467
CH250	328903.499	502976.1 177
CH260	328910.913	502976.7 888
TP262.66	328912.882	502976.9 669
MID264.85	328914.556	502977.1 301
TP261.05	328915.761	502977.2 992
CH270	328917.597	502977.5 297
CH280	328923.826	502978.3 120
CH290	328930.056	502979.0 943
TP291.14	328930.765	502979.1 833
MID292.33	328931.497	502979.2 774
TP293.52	328932.208	502979.3 732
CH300	328936.011	502979.8 974
TP306.61	328939.994	502980.4 328
MID308.26	328940.886	502980.5 647
TP309.91	328941.1923	502980.6 929
CH310	328941.1979	502980.6 995
CH320	328948.403	502981.4 659
CH330	328954.828	502982.2 322
TP331.91	328956.054	502982.3 784
MID334.56	328957.817	502982.5 770
TP337.22	328959.689	502982.7 654
CH340	328961.704	502982.9 569
TP346.08	328964.109	502983.3 756
TP347.20	328966.933	502983.4 520
CH350	328969.076	502983.6 320
CH360	328976.735	502984.2 749
CH370	328984.395	502984.9 179
CH378.92	328991.229	502985.4 916

SIDE PATH SETOUT

LOCATION	EASTING	NORTHING
P1	328835.088	562975.573
P2	328846.513	562974.3593
P3	328857.364	562974.1779
P4	328861.608	562974.5231
P5	328833.363	562974.9756
P6	328847.294	562974.1408
P7	328852.088	562973.4401
P8	328852.428	562972.4545
P9	328850.218	562977.6533
P10	328857.856	562972.3377
P11	328854.899	562972.5469
P12	328854.540	562973.5725
P13	328857.837	562973.9321
P14	328871.911	562974.1325
P15	328874.267	562973.8448

CURVE No.	RADIUS R	ARC LENGTH	A	B	C	D
R1	53.000	10.243	5.113	0.247	2.560	0.062
R2	52.493	9.682	4.834	0.223	2.420	0.056
R3	47.000	2.144	1.072	0.012	0.536	0.003
R4	53.000	3.314	1.657	0.026	0.828	0.006
R5	53.000	1.040	0.520	0.003	0.260	0.001
R6	53.000	2.385	1.193	0.013	0.596	0.003
R7	53.000	2.385	1.193	0.013	0.596	0.003
R8	47.000	3.299	1.649	0.029	0.825	0.007
R9	47.000	5.313	2.655	0.075	1.328	0.019
R10	47.000	1.124	0.562	0.003	0.281	0.001
R11	13.413	9.216	4.518	0.784	2.293	0.197
R12	2.214	4.414	1.859	1.012	1.058	0.269
R13	3.811	5.295	2.440	0.883	1.297	0.228
R14	10.161	8.758	4.245	0.929	2.173	0.235
R15	13.815	8.442	4.156	0.640	2.102	0.161
R16	2.321	4.213	1.829	0.892	1.017	0.235

[illegible]

