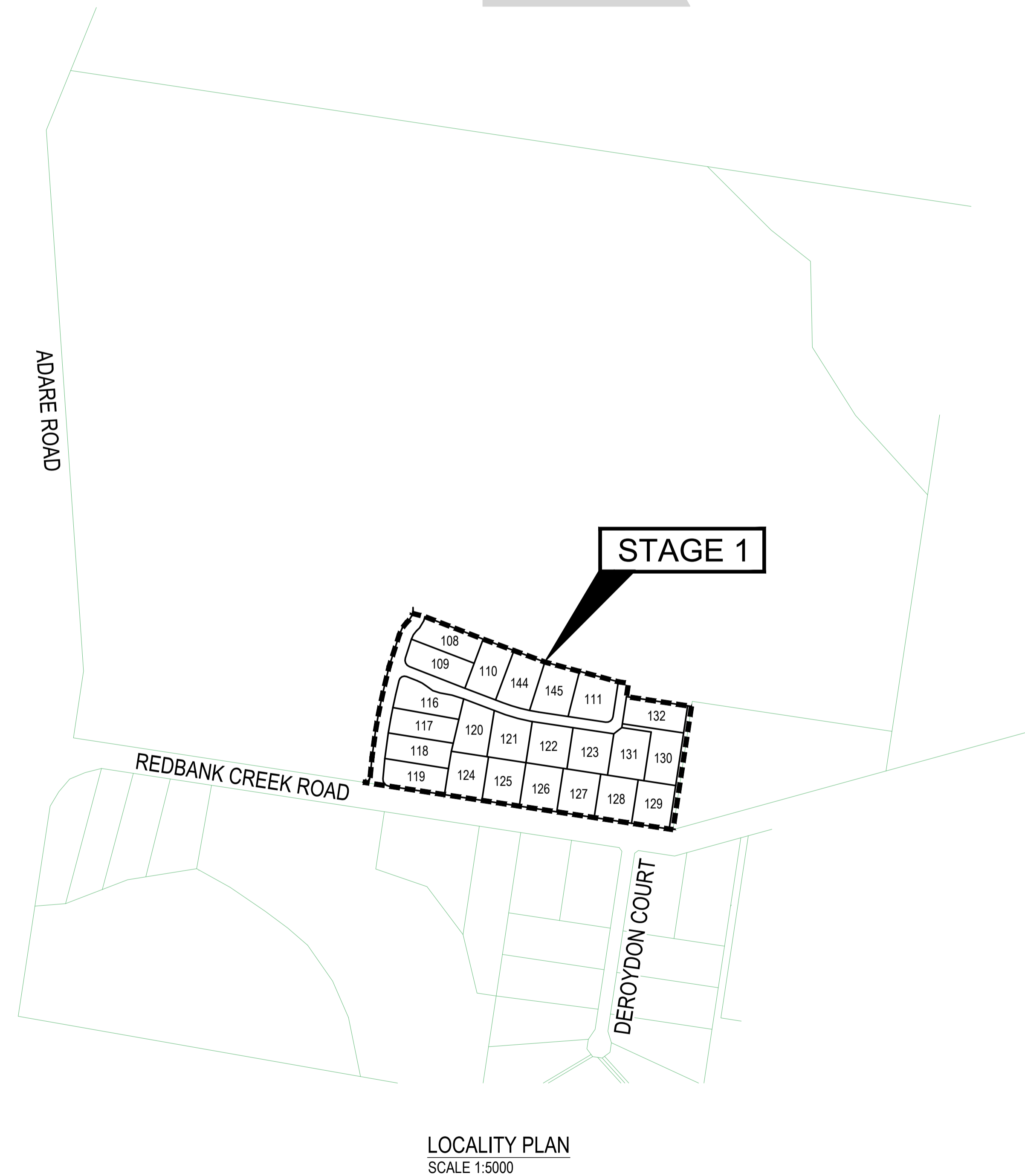


PROPOSED SUBDIVISION

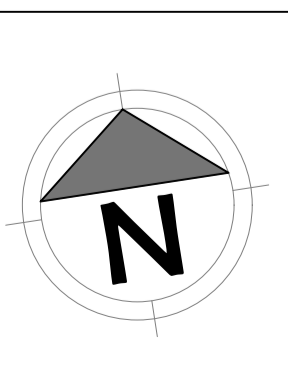
PARKLAKE, ADARE - STAGE 1

174 ADARE ROAD, ADARE, QLD 4343



CIVIL ENGINEERING DRAWINGS		
SHEET NUMBER	SHEET TITLE	REVISION
C1000	COVER SHEET	A
C1001	STANDARD NOTES	A
C1002	SITE PLAN	A
C1100	EROSION AND SEDIMENT CONTROL PLAN	A
C1190	EROSION AND SEDIMENT CONTROL DETAILS	A
C1191	EROSION AND SEDIMENT CONTROL NOTES	A
C1200	BULK EARTHWORKS PLAN	A
C1290	BULK EARTHWORKS DETAILS	A
C1300	PAVEMENT PLAN	A
C1400	ROADWORKS PLAN	A
C1430	SIGNS AND PAVEMENT MARKING PLAN	A
C1450	ROAD LONGITUDINAL SECTION - ROAD 1	A
C1451	ROAD CROSS SECTIONS - ROAD 1 - SHEET 1	A
C1452	ROAD CROSS SECTIONS - ROAD 1 - SHEET 2	A
C1453	ROAD LONGITUDINAL SECTION - ROAD 2 - SHEET 1	A
C1454	ROAD LONGITUDINAL SECTION - ROAD 2 - SHEET 2	A
C1455	ROAD CROSS SECTIONS - ROAD 2 - SHEET 1	A
C1456	ROAD CROSS SECTIONS - ROAD 2 - SHEET 2	A
C1457	ROAD CROSS SECTIONS - REDBANK CREEK ROAD - SHEET 1	A
C1458	ROAD CROSS SECTIONS - REDBANK CREEK ROAD - SHEET 2	A
C1480	INTERSECTION DETAILS	A
C1490	ROADWORKS DETAILS	A
C1500	DRAINAGE CATCHMENT PLAN	A
C1501	DRAINAGE PLAN	A
C1550	DRAINAGE LONGITUDINAL SECTIONS - SHEET 1	A
C1560	DRAINAGE CALCULATIONS	A
C1600	WATER RETICULATION COVER SHEET	A
C1601	WATER RETICULATION PLAN	A
C1602	WATER RETICULATION SECTIONS	A
C1700	BUSHFIRE TRAIL PLAN	A
C1701	BUSHFIRE TRAIL LONGITUDINAL SECTION	A
C1702	BUSHFIRE TRAIL CROSS SECTIONS	A
C1703	BUSHFIRE TRAIL DETAILS	A

REVISIONS:			
No.	ORIGINAL ISSUE	REVISION DESCRIPTION	DATE
A	ORIGINAL ISSUE		22/07/22



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PO BOX 4107 SPRINGFIELD QLD 4300

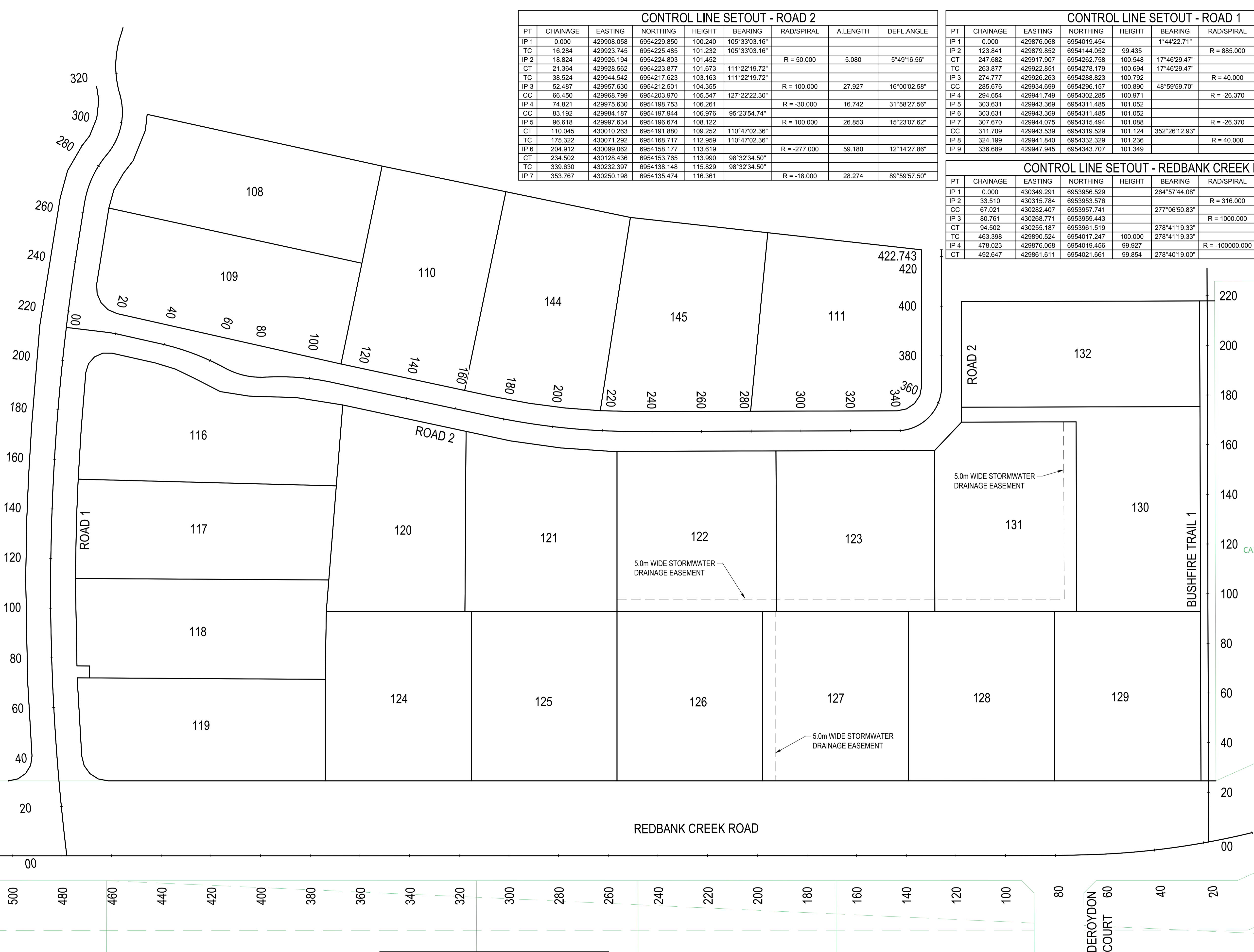
ARCHITECT
0 100 200 300 400 500m
SCALE 1:5000

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGE 1

DRAWING TITLE
COVER SHEET

DRAWING STATUS
ORIGINAL ISSUE
NOT FOR CONSTRUCTION

PROJECT LEADER CK	DESIGNER MP	SIGNATURE
DRAFTSPERSON MP	SCALE AS SHOWN	DATE JUL 2022
JOB No. BR222025	DRAWING No. C1000	SHEET SIZE A1
		REVISION A



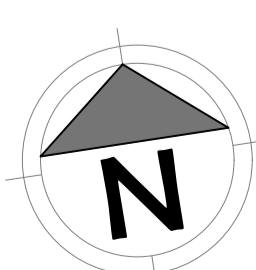
CONTROL LINE SETOUT - ROAD 2								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A LENGTH	DEFL ANGLE
IP 1	0.000	429908.058	6954229.850	100.240	105°33'03.16"			
TC	16.284	429923.745	6954225.485	101.232	105°33'03.16"			
IP 2	18.824	429926.194	6954224.803	101.452		R = 50.000	5.080	5°49'16.56"
CT	21.364	429928.562	6954223.877	101.673	111°22'19.72"			
TC	38.524	429944.542	6954217.623	103.163	111°22'19.72"			
IP 3	52.487	429957.630	6954212.501	104.355		R = 100.000	27.927	16°00'02.58"
CC	66.450	429968.799	6954203.970	105.547	127°22'22.30"			
IP 4	74.821	429975.630	6954198.753	106.261		R = -30.000	16.742	31°58'27.56"
CC	83.192	429984.187	6954197.944	106.976	95°23'54.74"			
IP 5	96.618	429997.634	6954196.674	108.122		R = 100.000	26.853	15°23'07.62"
CT	110.045	430010.263	6954191.880	109.252	110°47'02.36"			
TC	175.322	430071.292	6954168.717	112.959	110°47'02.36"			
IP 6	204.912	430099.062	6954158.177	113.619		R = -277.000	59.180	12°14'27.86"
CT	234.502	430128.436	6954153.765	113.990	98°32'34.50"			
TC	339.630	430232.397	6954138.148	115.829	98°32'34.50"			
IP 7	353.767	430250.198	6954135.474	116.361		R = -18.000	28.274	89°59'57.50"

CONTROL LINE SETOUT - ROAD 1									
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A LENGTH	DEFL ANGLE	
IP 1	0.000	429876.068	6954019.454		1°44'22.71"				
IP 2	123.841	429879.852	6954144.052	99.435		R = 885.000	247.682	16°02'06.76"	
CT	247.682	429917.907	6954262.758	100.548	17°46'29.47"				
TC	263.877	429922.851	6954278.179	100.694	17°46'29.47"				
IP 3	274.777	429926.263	6954288.823	100.792		R = 40.000	21.799	31°13'30.24"	
CC	285.676	429934.699	6954296.157	100.890	48°59'59.70"				
IP 4	294.654	429941.749	6954302.285	100.971		R = -26.370	17.955	39°00'43.22"	
IP 5	303.631	429943.369	6954311.485	101.052					
IP 6	303.631	429943.369	6954311.485	101.052					
IP 7	307.670	429944.075	6954315.494	101.088		R = -26.370	8.078	17°33'03.55"	
CC	311.709	429943.539	6954319.529	101.124	352°26'12.93"				
IP 8	324.199	429941.840	6954332.329	101.236		R = 40.000	24.980	35°46'53.64"	
IP 9	336.689	429947.945	6954343.707	101.349					

CONTROL LINE SETOUT - REDBANK CREEK ROAD									
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A LENGTH	DEFL ANGLE	
IP 1	0.000	430349.291	6953956.529		264°57'44.08"				
IP 2	33.510	430315.784	6953953.576			R = 316.000	67.021	12°09'06.75"	
CC	67.021	430282.407	6953957.741		277°06'50.83"				
IP 3	80.761	430268.771	6953959.443			R = 1000.000	27.482	1°34'28.50"	
CT	94.502	430255.187	6953961.519		278°41'19.33"				
TC	463.398	429890.524	6954017.247	100.000	278°41'19.33"				
IP 4	478.023	429876.068	6954019.456	99.927		R = -100000.000	29.248	0°01'00.33"	
CT	492.647	429861.611	6954021.661	99.854	278°40'19.00"				

REVISIONS:	
No.	REVISION DESCRIPTION
A	ORIGINAL ISSUE

PARKLAKE
ADARE



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ARCHITECT
0 10 20 30 40 50m
SCALE 1:500

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGE 1


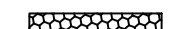
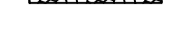
DRAWING TITLE
SITE PLAN

DRAWING STATUS
ORIGINAL ISSUE
NOT FOR CONSTRUCTION

PROJECT LEADER CK	DESIGNER MP	SIGNATURE
DRAFTSPERSON MP	SCALE AS SHOWN	DATE JUL 2022
JOB No. BR222025	DRAWING No. C1002	SHEET SIZE A1
		REVISION A

FOR CONTINUATION REFER DWG No. C1401

LEGEND

-  SEDIMENT FENCING
-  CONSTRUCTION ENTRY / EXIT
-  SANDBAG CHECK DAM

SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE (unknown dia.)	D(*)	
DRAINAGE (known dia.)		
ELECTRICITY	E(*)	
O/H ELECTRICITY & POLE	V(*)	
GAS	G(*)	
WATER MAIN	W(*)	

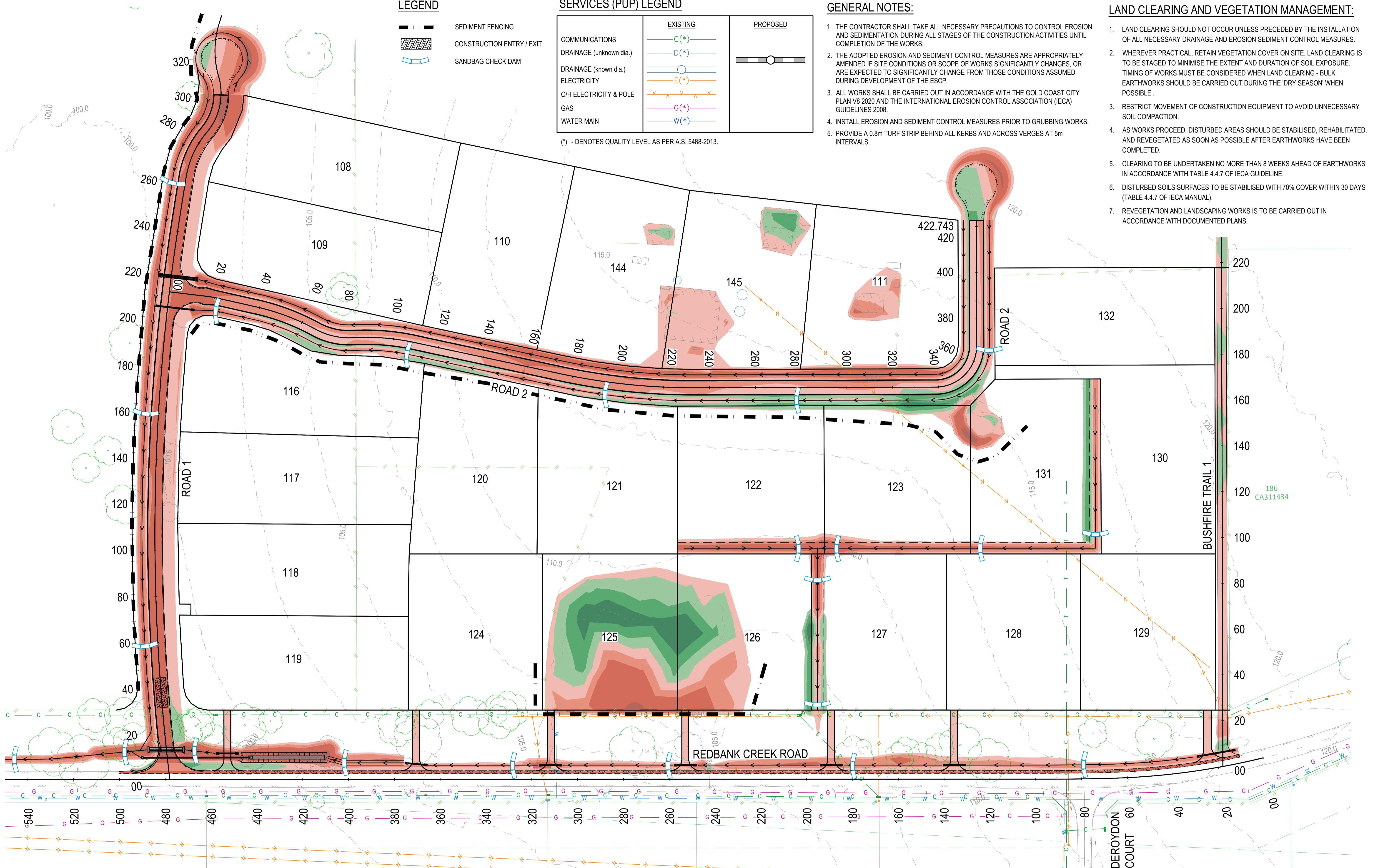
(*) - DENOTES QUALITY LEVEL AS PER A.S. 5488-2013.

GENERAL NOTES:

- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO CONTROL EROSION AND SEDIMENTATION DURING ALL STAGES OF THE CONSTRUCTION ACTIVITIES UNTIL COMPLETION OF THE WORKS.
- THE ADOPTED EROSION AND SEDIMENT CONTROL MEASURES ARE APPROPRIATELY AMENDED IF SITE CONDITIONS OR SCOPE OF WORKS SIGNIFICANTLY CHANGES, OR ARE EXPECTED TO SIGNIFICANTLY CHANGE FROM THOSE CONDITIONS ASSUMED DURING DEVELOPMENT OF THE ESCP.
- ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE GOLD COAST CITY PLAN V8 2020 AND THE INTERNATIONAL EROSION CONTROL ASSOCIATION (IECA) GUIDELINES 2008.
- INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO GRUBBING WORKS.
- PROVIDE A 0.8m TURF STRIP BEHIND ALL KERBS AND ACROSS VERGES AT 5m INTERVALS.

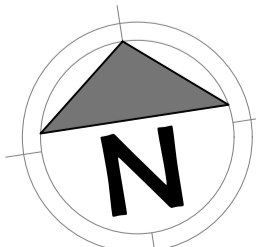
LAND CLEARING AND VEGETATION MANAGEMENT:

- LAND CLEARING SHOULD NOT OCCUR UNLESS PRECEDED BY THE INSTALLATION OF ALL NECESSARY DRAINAGE AND EROSION SEDIMENT CONTROL MEASURES.
- WHEREVER PRACTICAL, RETAIN VEGETATION COVER ON SITE. LAND CLEARING IS TO BE STAGED TO MINIMISE THE EXTENT AND DURATION OF SOIL EXPOSURE. TIMING OF WORKS MUST BE CONSIDERED WHEN LAND CLEARING - BULK EARTHWORKS SHOULD BE CARRIED OUT DURING THE 'DRY SEASON' WHEN POSSIBLE.
- RESTRICT MOVEMENT OF CONSTRUCTION EQUIPMENT TO AVOID UNNECESSARY SOIL COMPACTION.
- AS WORKS PROCEED, DISTURBED AREAS SHOULD BE STABILISED, REHABILITATED, AND REVEGETATED AS SOON AS POSSIBLE AFTER EARTHWORKS HAVE BEEN COMPLETED.
- CLEARING TO BE UNDERTAKEN NO MORE THAN 8 WEEKS AHEAD OF EARTHWORKS IN ACCORDANCE WITH TABLE 4.4.7 OF IECA GUIDELINE.
- DISTURBED SOILS SURFACES TO BE STABILISED WITH 70% COVER WITHIN 30 DAYS (TABLE 4.4.7 OF IECA MANUAL).
- REVEGETATION AND LANDSCAPING WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH DOCUMENTED PLANS.



REVISIONS:

No.	REVISION DESCRIPTION	MP	DATE
A	ORIGINAL ISSUE	MP	22/07/22



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 P. ROBERT AOK

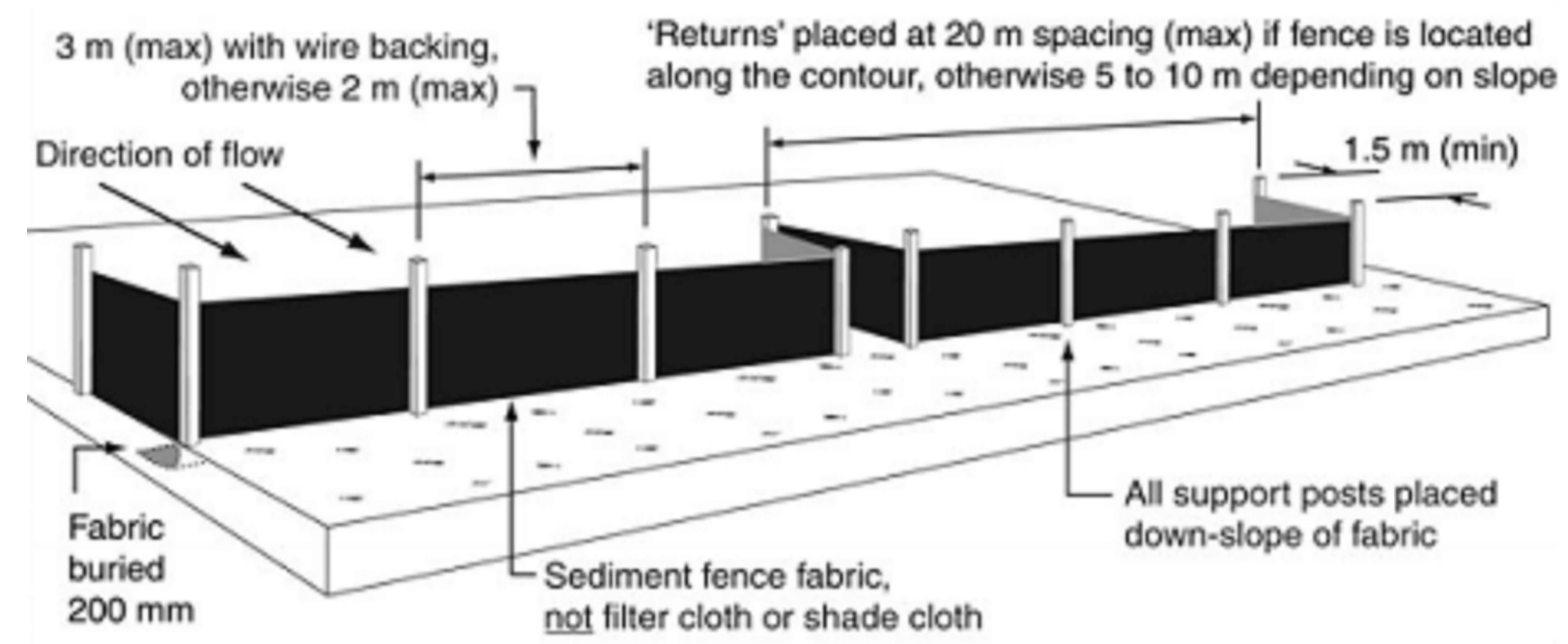
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 ARCHITECT

 SCALE 1:750

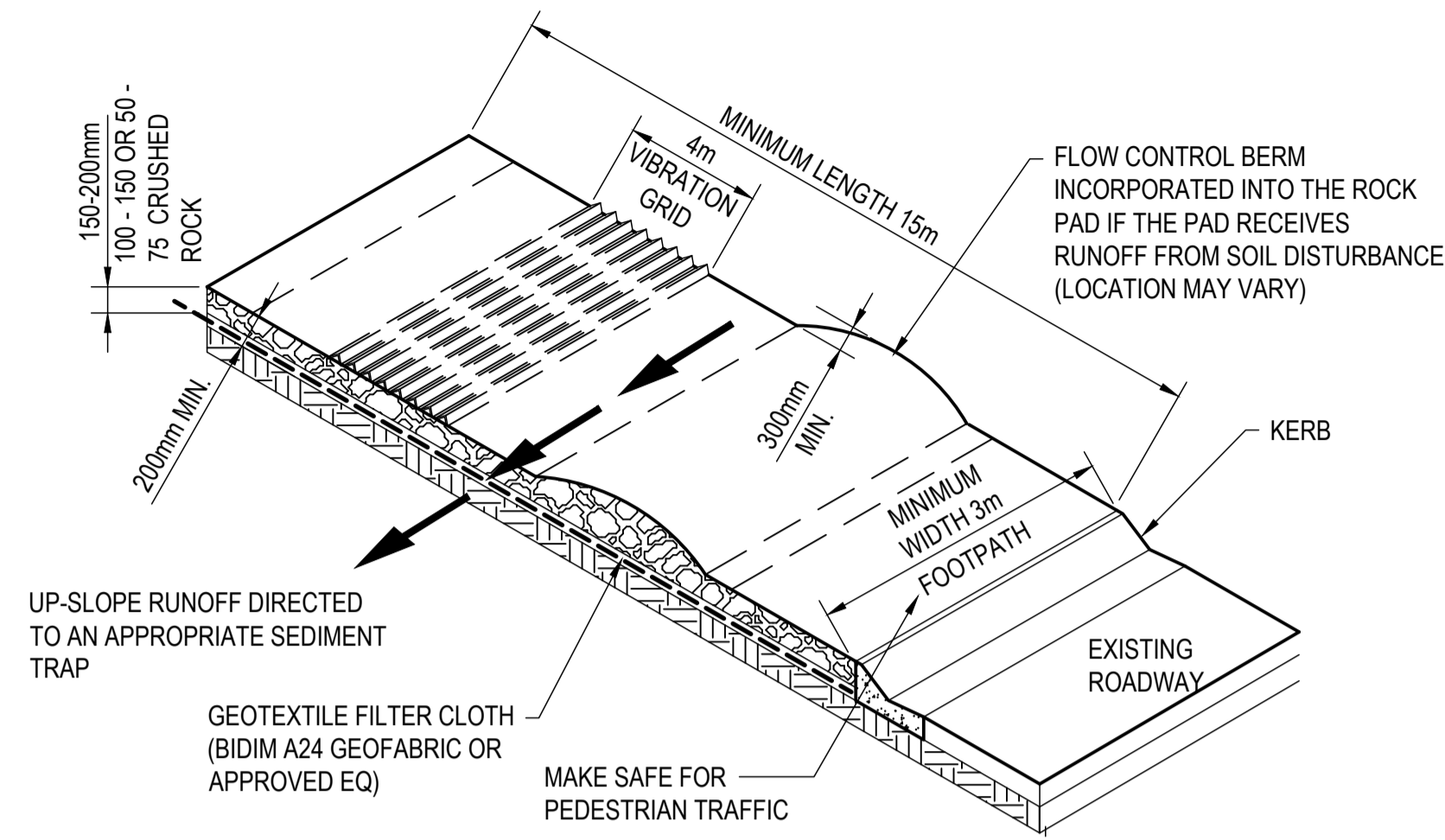
PROJECT TITLE
PROPOSED SUBDIVISION
 174 ADARE ROAD, ADARE, QLD 4343
 STAGE 1
 DRAWING TITLE
EROSION AND SEDIMENT CONTROL PLAN

DRAWING STATUS
ORIGINAL ISSUE
 NOT FOR CONSTRUCTION

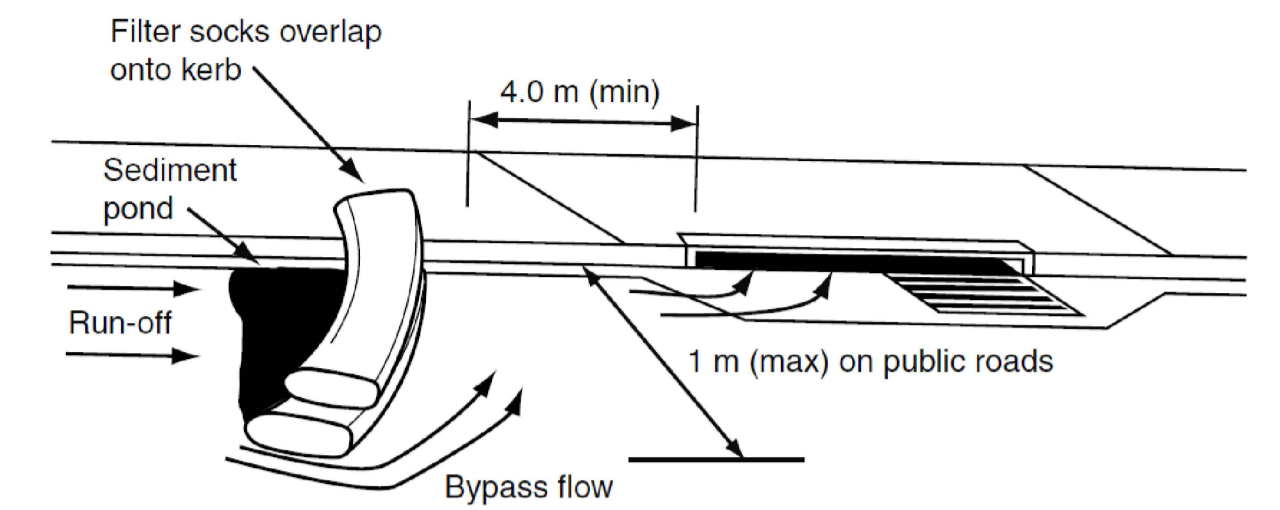
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CK	MP	
DRAFTSPERSON	SCALE	DATE
MP	AS SHOWN	JUL 2022
JOB No.	DRAWING No.	SHEET SIZE
BR222025	C1100	A1
REVISION	A	



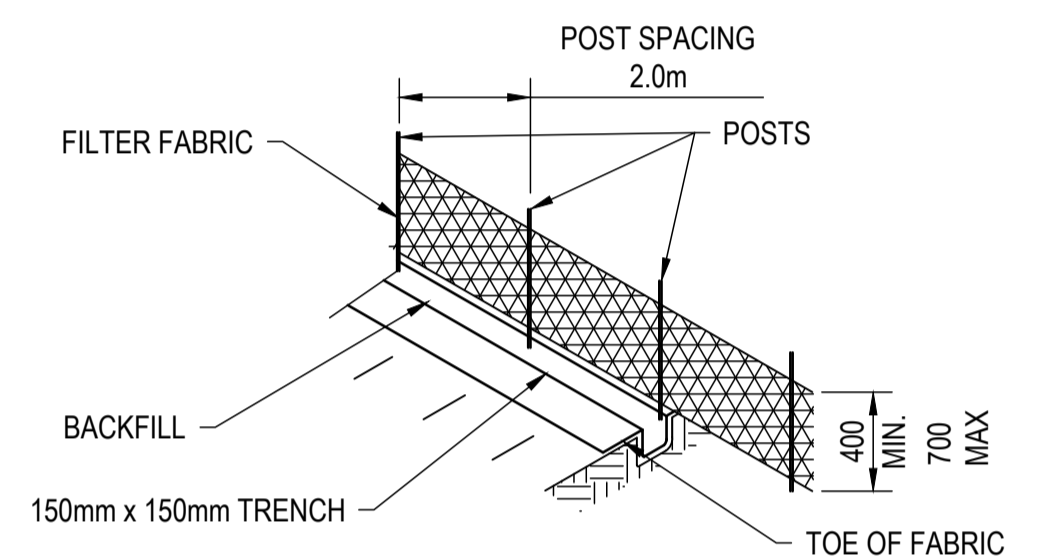
TYPICAL INSTALLATION OF A SEDIMENT FENCE
NOT TO SCALE



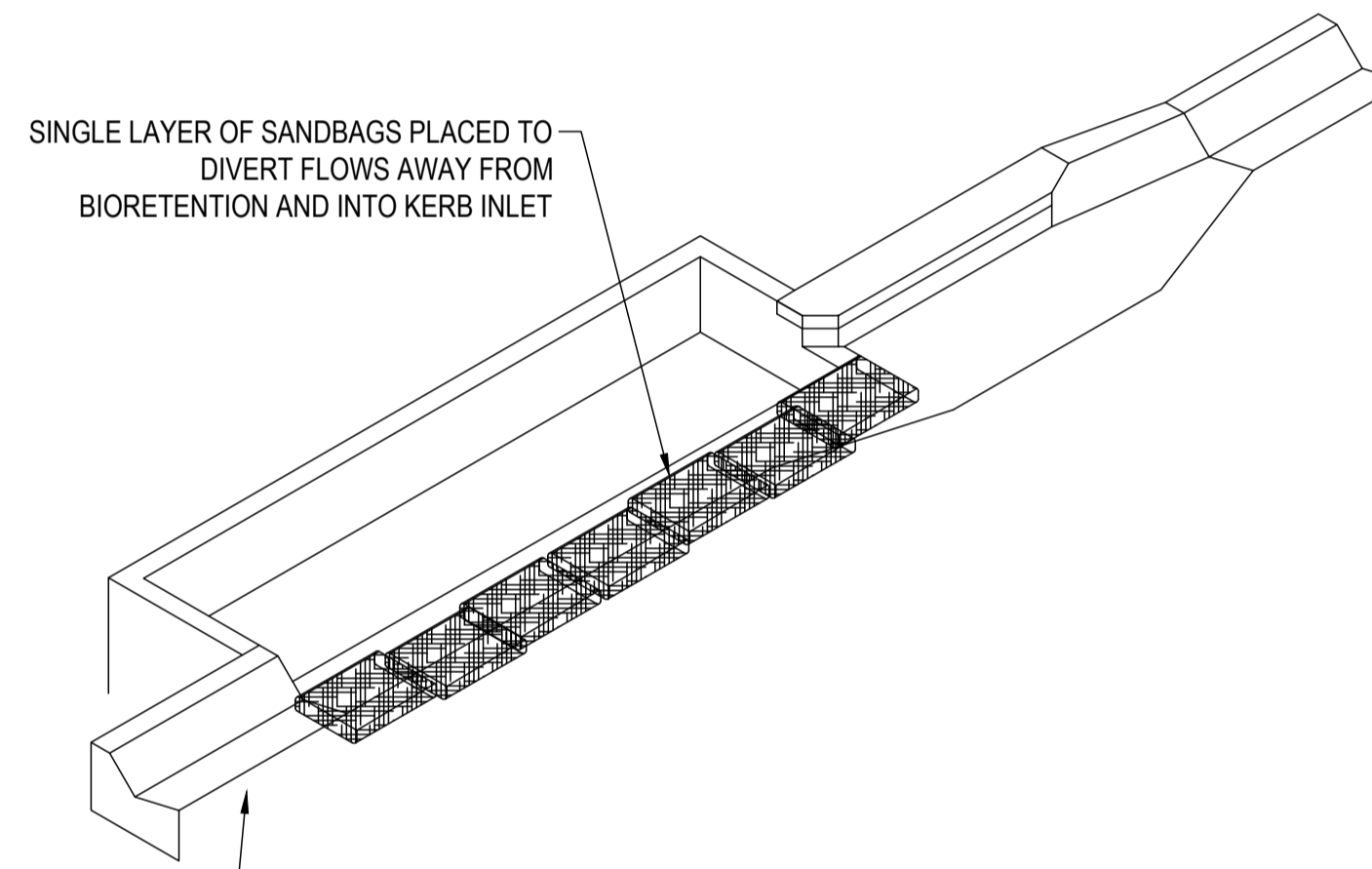
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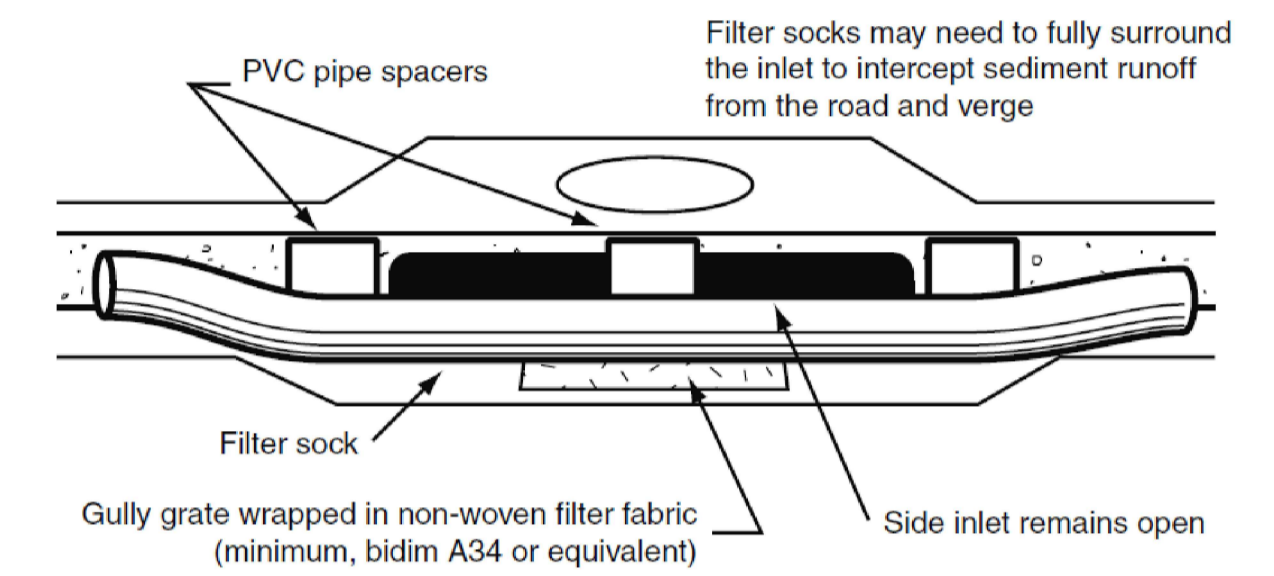
ON-GRADE KERB INLET SEDIMENT TRAP
NOT TO SCALE



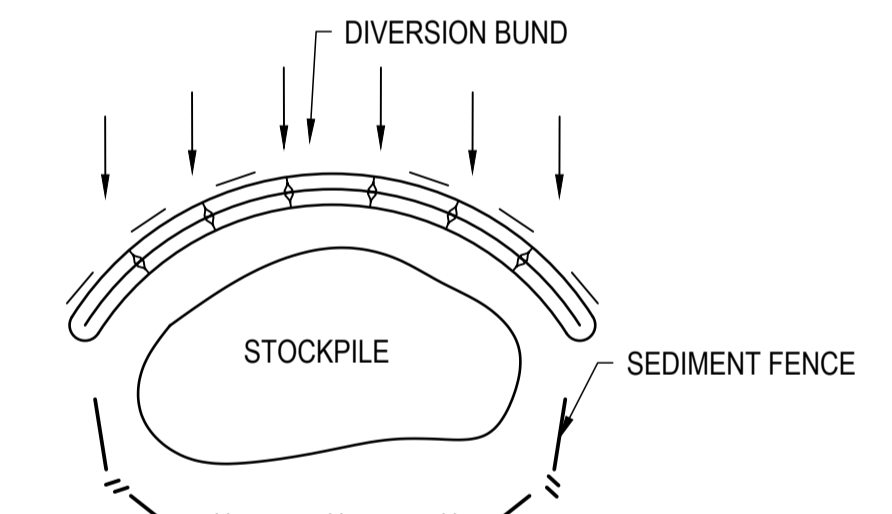
SEDIMENT FENCE
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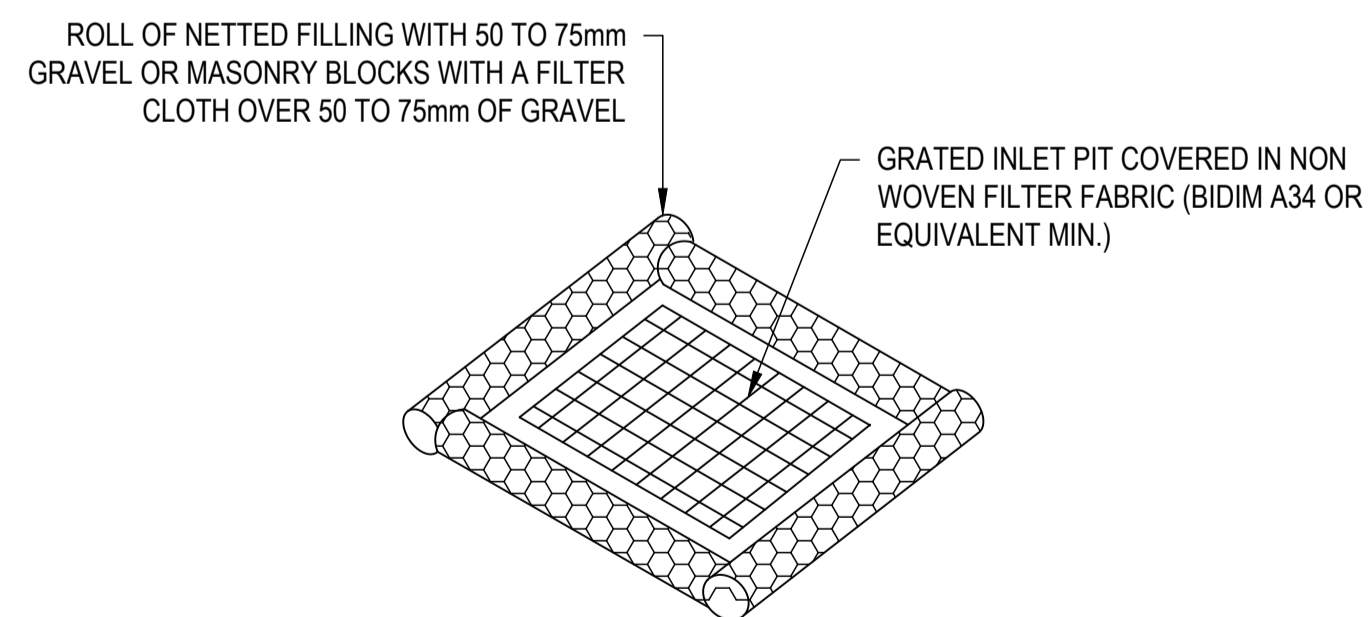
BIORETENTION INLET DIVERSION
NOT TO SCALE



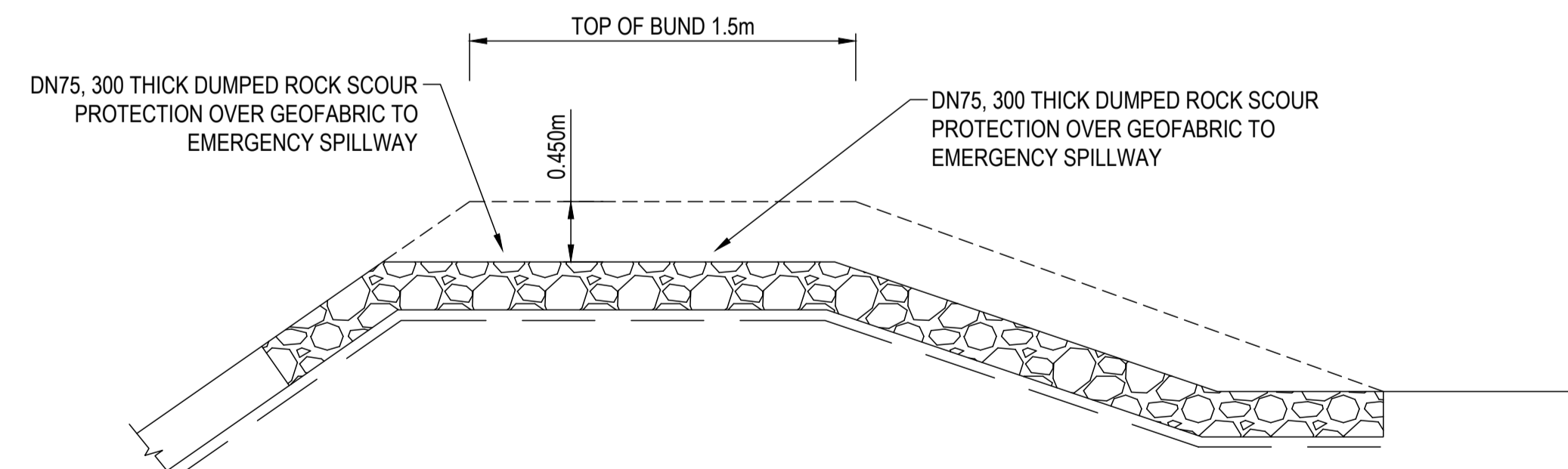
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NOT TO SCALE



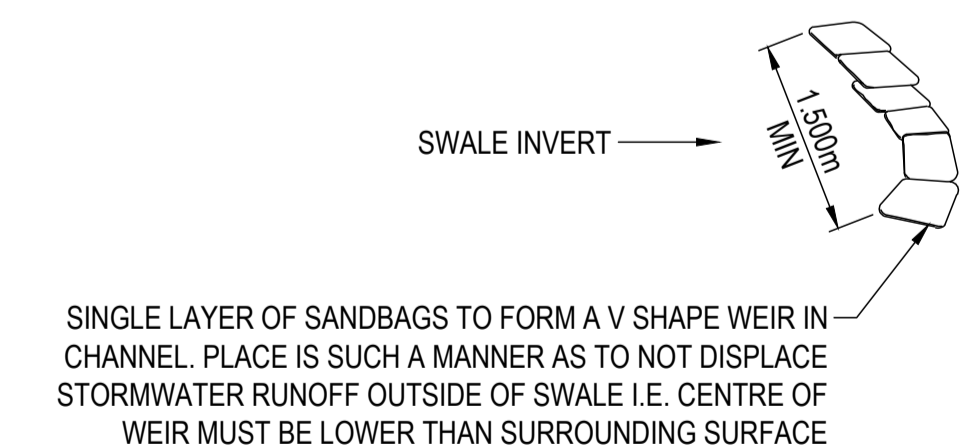
STOCKPILE SEDIMENT CONTROL
NOT TO SCALE



FIELD INLET SEDIMENT TRAP
NOT TO SCALE



SEDIMENT BASIN EMERGENCY SPILLWAY DETAIL
NOT TO SCALE



TYPICAL SAND BAG CHECK DAM
NOT TO SCALE

REVISIONS:			
No.	REVISION DESCRIPTION	MP	DATE
A	ORIGINAL ISSUE	MP	22/07/22



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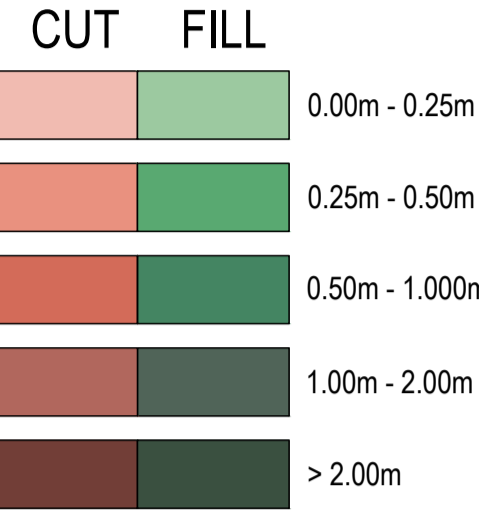
CLIENT
PARK LAKE ADARE PTY LTD
PO BOX 4107 SPRINGFIELD QLD 4300
ARCHITECT

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGE 1
DRAWING TITLE
EROSION AND SEDIMENT CONTROL DETAILS

DRAWING STATUS			
ORIGINAL ISSUE NOT FOR CONSTRUCTION			
PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	JUL 2022	A1
JOB No.	DRAWING No.	REVISION	
BR222025	C1190	A	

LEGEND:

- - - - - EXISTING CONTOUR (2.5m)
- - - - - BULK EARTHWORK CONTOUR (0.5m)
- TREE TO REMAIN
- TREE TO BE REMOVED



BULK EARTHWORKS QUANTITIES*

100mm STRIPPING:	3,654m ³
TOTAL CUT VOLUME:	3,806m ³
TOTAL FILL VOLUME:	2,270m ³
DAM FILL:	TBA
(BENEATH WATER LEVEL)	

- NOTE**
- REFER TO CIVIL SPECIFICATIONS ON DRAWING C001 FOR SUBGRADE PREPARATION REQUIREMENTS.
 - THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE GEOTECHNICAL REPORT
 - DETAILED BULK EARTHWORKS MODELLING HAS NOT BEEN UNDERTAKEN FOR PIPE TRENCHING

EXISTING DAMS

THE EXISTING DAMS WITHIN THE SITE ARE TO BE DE-WATERED. REMOVE ALL ORGANIC AND DELETERIOUS MATTER AND EXCAVATE WEAK, DISTURBED, WATER AFFECTED AND ORGANIC RICH SOILS. PROOF ROLL THE SITE USING SIX PASSES OF A 10 TONNE MINIMUM STATIC WEIGHT VIBRATORY PAD TYPE ROLLER UNDER THE SUPERVISION OF A GEOTECHNICAL ENGINEER. ANY SOFT SPOTS AND/OR LOOSE AREAS ARE TO BE EXCAVATED TO A DEPTH OF 300mm AND REPLACED WITH APPROVED BACKFILL. THESE AREAS ARE TO BE INSPECTED BY A GEOTECHNICAL ENGINEER TO ASSESS WHETHER FURTHER EXCAVATION IS REQUIRED. SELECT REPLACEMENT MATERIAL TO BE (MINIMUM CBR15) PLACED IN LAYERS NOT EXCEEDING 150mm COMPACTED THICKNESS, COMPACTED TO THE COMPACTION REQUIREMENTS.

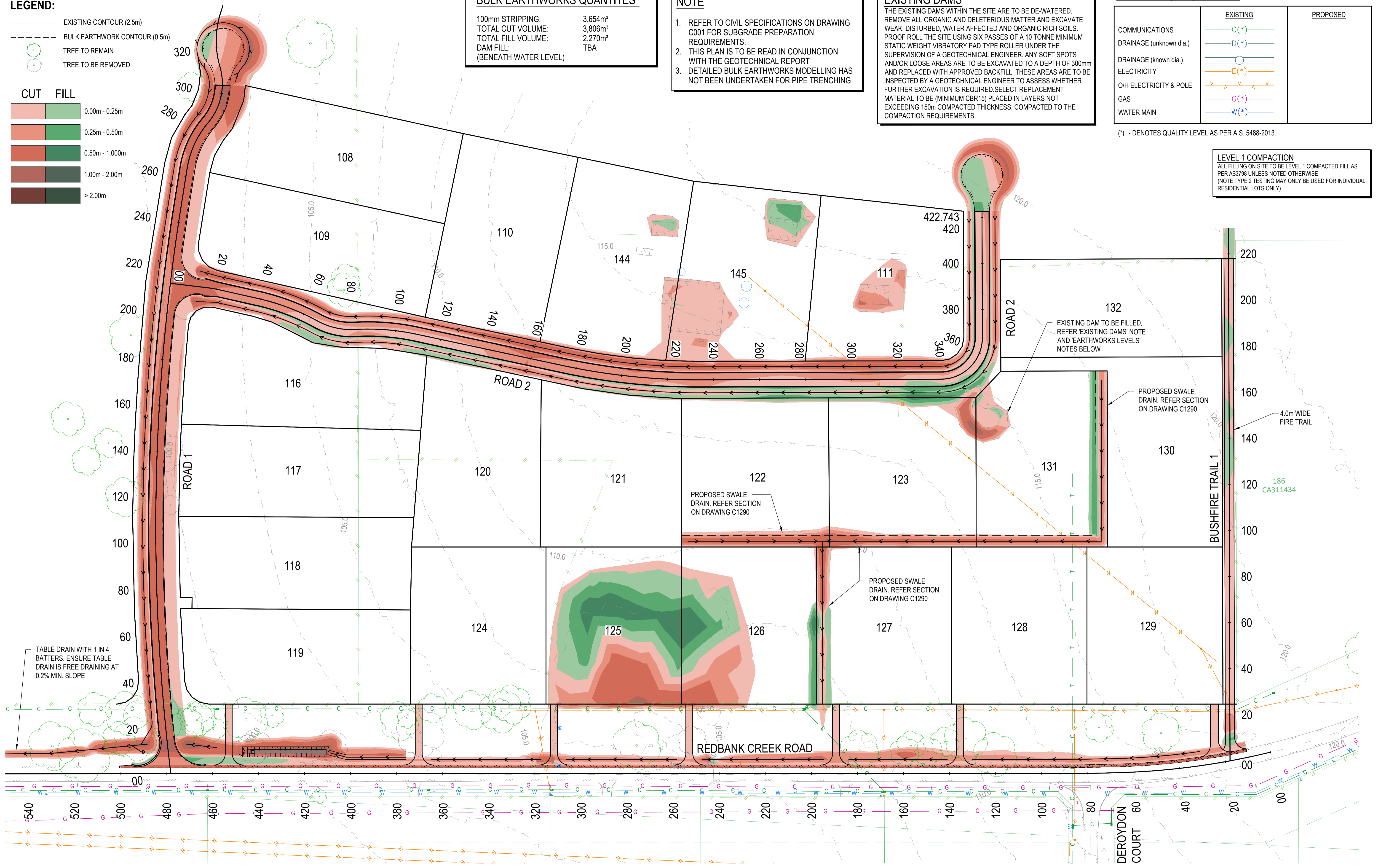
SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE (unknown dia.)	D(*)	
DRAINAGE (known dia.)	○	
ELECTRICITY	E(*)	
O/H ELECTRICITY & POLE	△	
GAS	G(*)	
WATER MAIN	W(*)	

(*) - DENOTES QUALITY LEVEL AS PER A.S. 5488-2013.

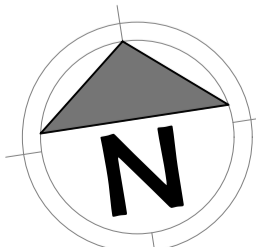
LEVEL 1 COMPACTION

ALL FILLING ON SITE TO BE LEVEL 1 COMPACTED FILL AS PER AS3798 UNLESS NOTED OTHERWISE (NOTE TYPE 2 TESTING MAY ONLY BE USED FOR INDIVIDUAL RESIDENTIAL LOTS ONLY)



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No.	REVISION DESCRIPTION	MP	DATE
A	ORIGINAL ISSUE	MP	22/07/22



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van der meer

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Telephone +61 7 3021 6600

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CLIENT
PARK LAKE ADARE PTY LTD
PO BOX 4107 SPRINGFIELD QLD 4300

ARCHITECT
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGE 1

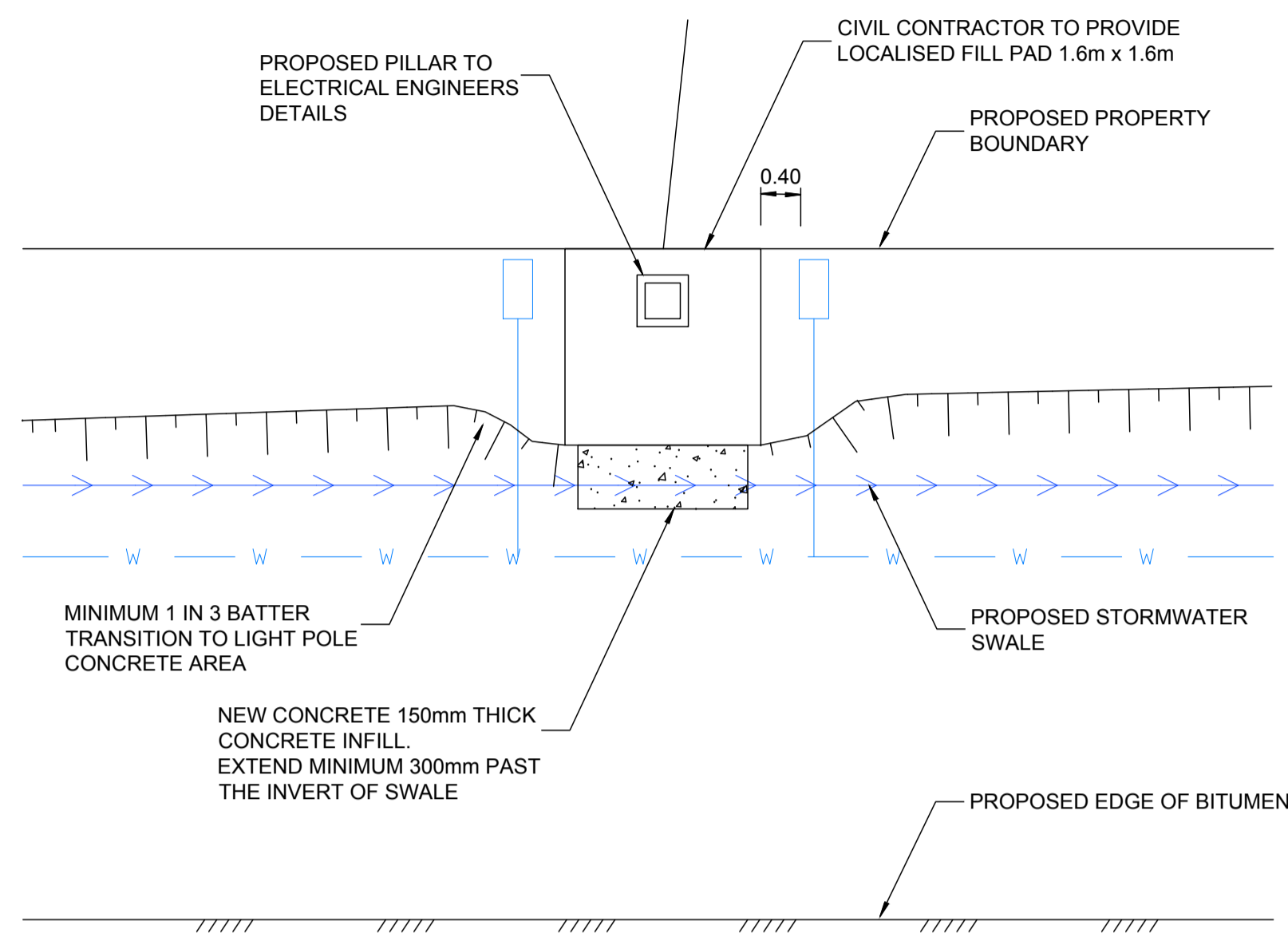
DRAWING TITLE
BULK EARTHWORKS PLAN

DRAWING STATUS
ORIGINAL ISSUE
NOT FOR CONSTRUCTION

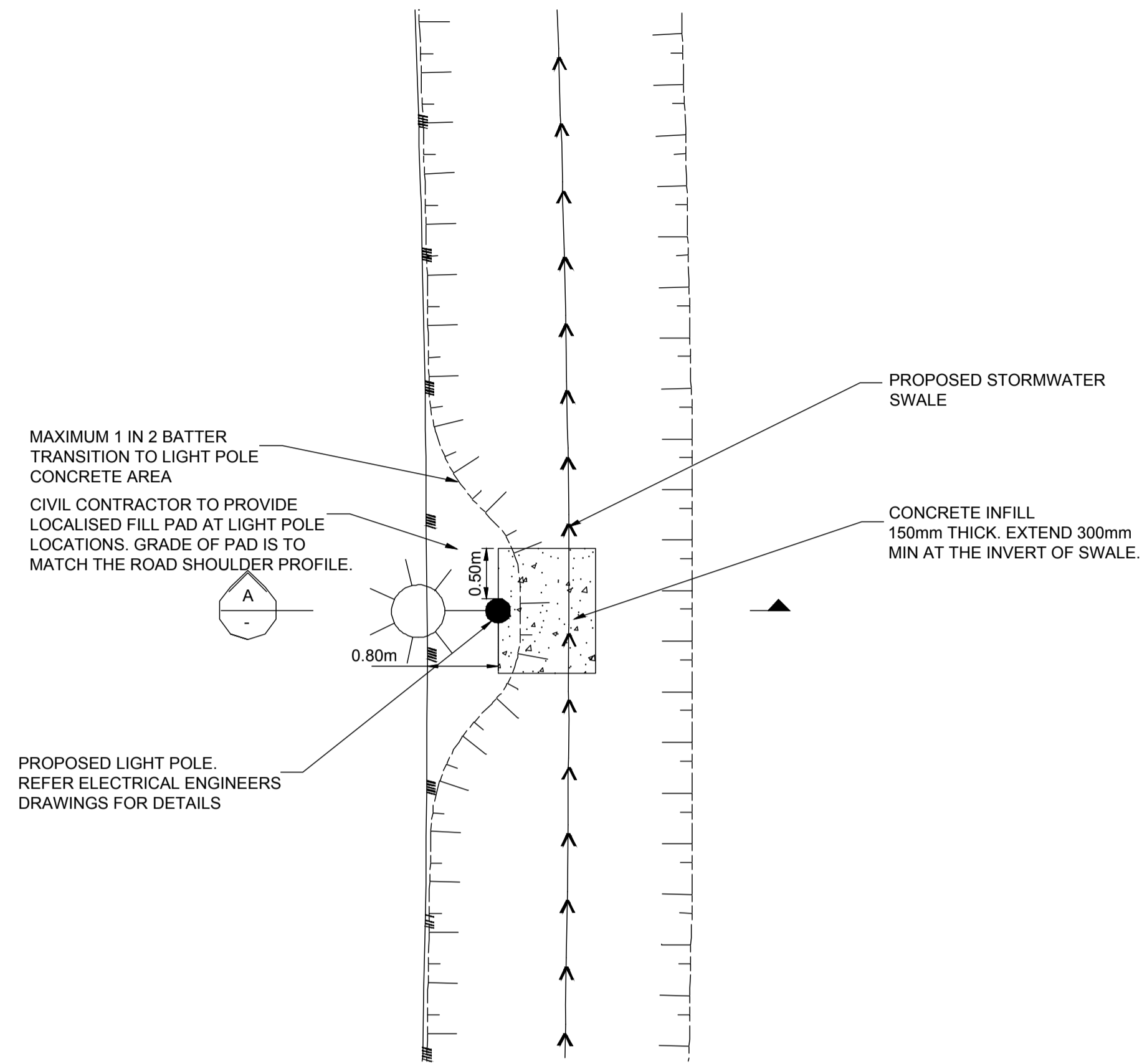
PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	

DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	JUL 2022	A1

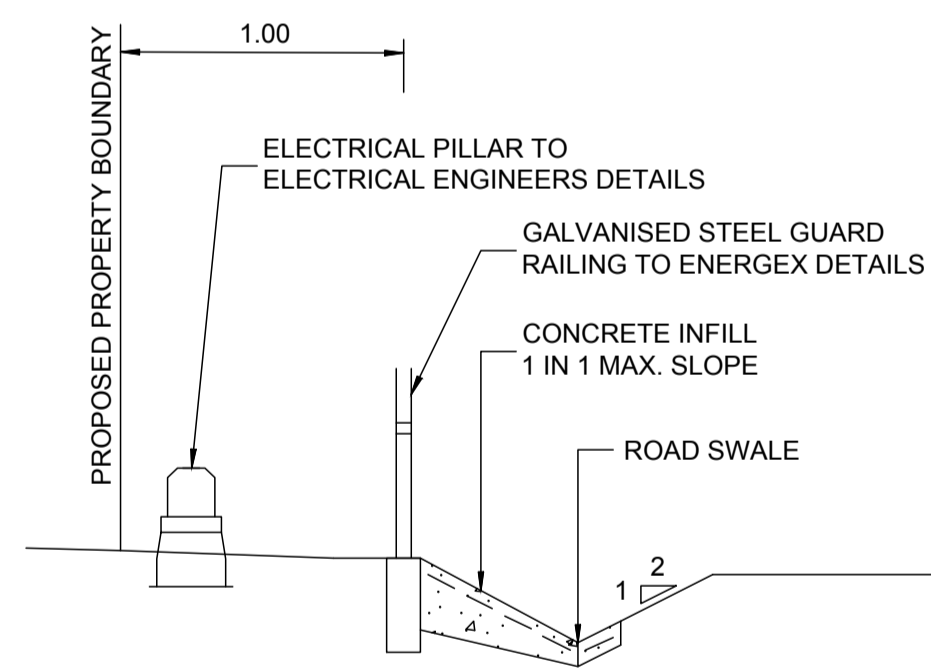
JOB No.	DRAWING No.	REVISION
BR222025	C1200	A



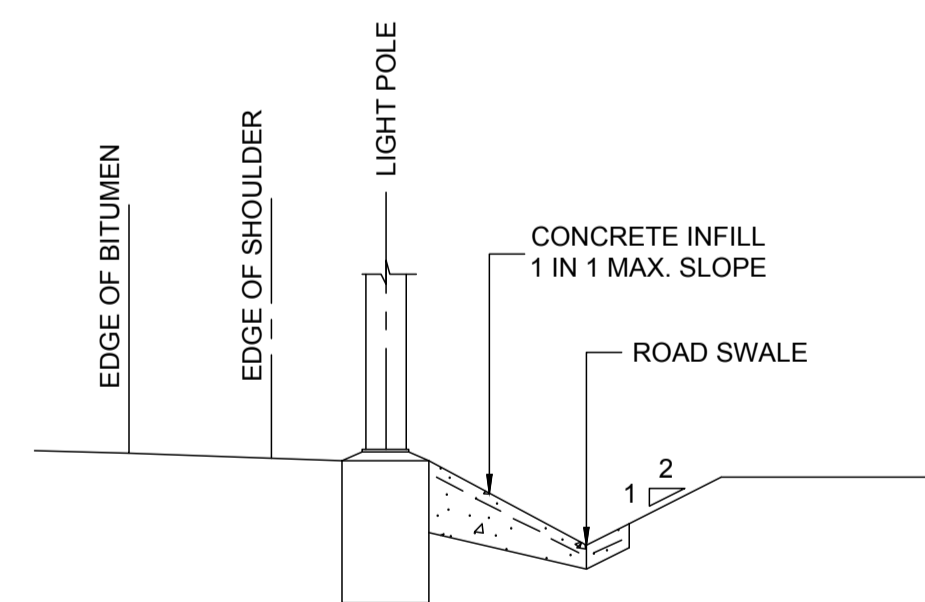
TYPICAL ELECTRICAL PILLAR PROTECTION DETAIL
SCALE 1:50



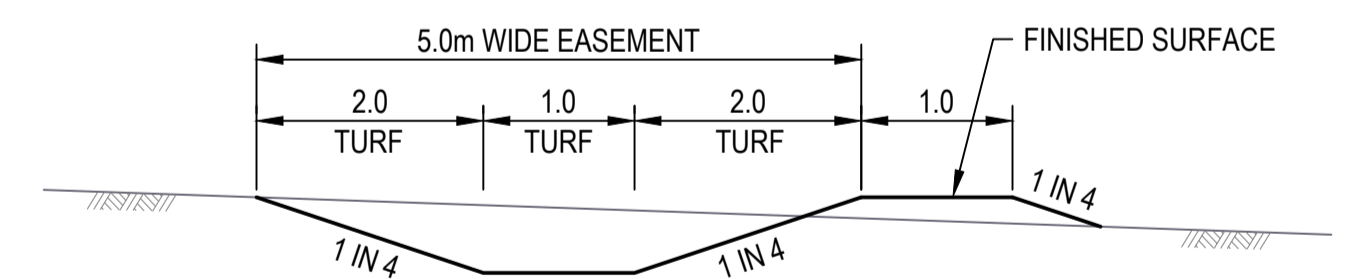
TYPICAL LIGHT POLE PROTECTION DETAIL
SCALE 1:50



B TYPICAL ELECTRICAL PILLAR SECTION
SCALE 1:50



TYPICAL LIGHT POLE SECTION A
SCALE 1:50



TYPICAL SWALE DRAIN SECTION
N.T.S.

REVISIONS:	
No.	REVISION DESCRIPTION
A	ORIGINAL ISSUE

MP	22/07/22
MP	22/07/22



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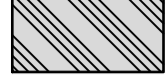




ARCHITECT
0 1 2 3 4 5m
SCALE 1:50

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGE 1

DRAWING TITLE
BULK EARTHWORKS DETAILS

DRAWING STATUS ORIGINAL ISSUE NOT FOR CONSTRUCTION			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE	
DRAFTSPERSON MP	SCALE AS SHOWN	DATE JUL 2022	SHEET SIZE A1
JOB No. BR222025	DRAWING No. C1290	REVISION A	

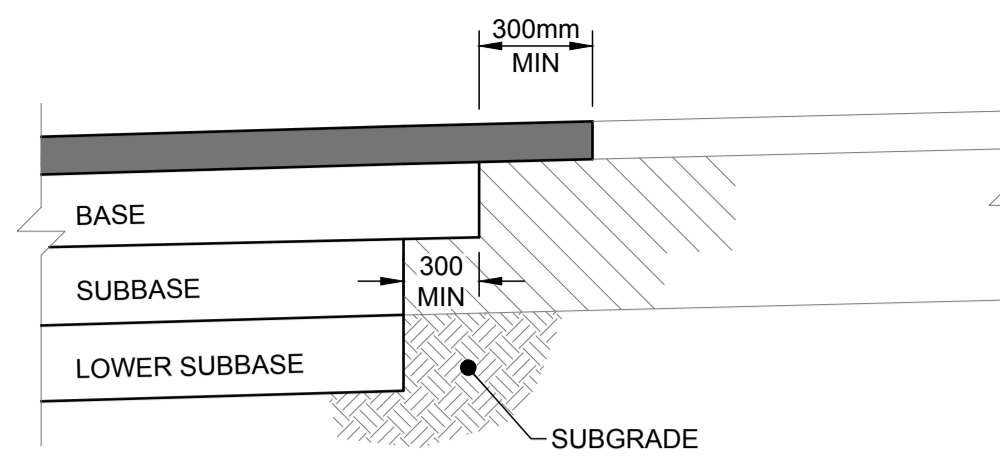
SURFACE TREATMENT LEGEND:

-  PAVEMENT 1 - COLLECTOR STREET - 1x10⁶
30mm ASPHALT CONCRETE PRIMER SEAL
100mm CBR 80
120mm CBR 45
300m CBR 15
TOTAL PAVEMENT DEPTH = 550mm
-  PAVEMENT 2 - ACCESS STREET - 1x10⁵
30mm ASPHALT CONCRETE PRIMER SEAL
100mm CBR 80
150mm CBR 45
150mm CBR 15
TOTAL PAVEMENT DEPTH = 430mm
-  DRIVEWAY
REFER BCC STD DRG BSD-2026
-  BUSHFIRE TRAIL
REFER DRG'S C1700-C1703
-  TEMPORARY TURNAROUND
2 COAT BITUMEN SEAL
150mm CBR 80

PAVEMENT DEPTHS SHOWN ARE PRELIMINARY ONLY BASED ON CBR 3%. CONFIRM PAVEMENT DEPTHS WITH ENGINEERS FOLLOWING CBR TESTING ON SUBGRADE DURING CONSTRUCTION.


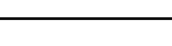
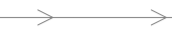
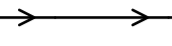

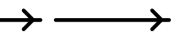

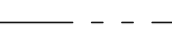

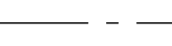

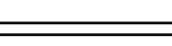

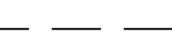

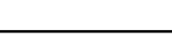







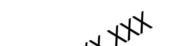










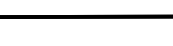













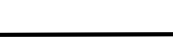


































































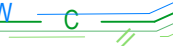
















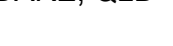

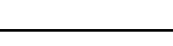
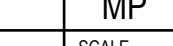

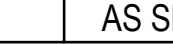


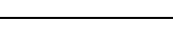



PAVEMENT NOTES

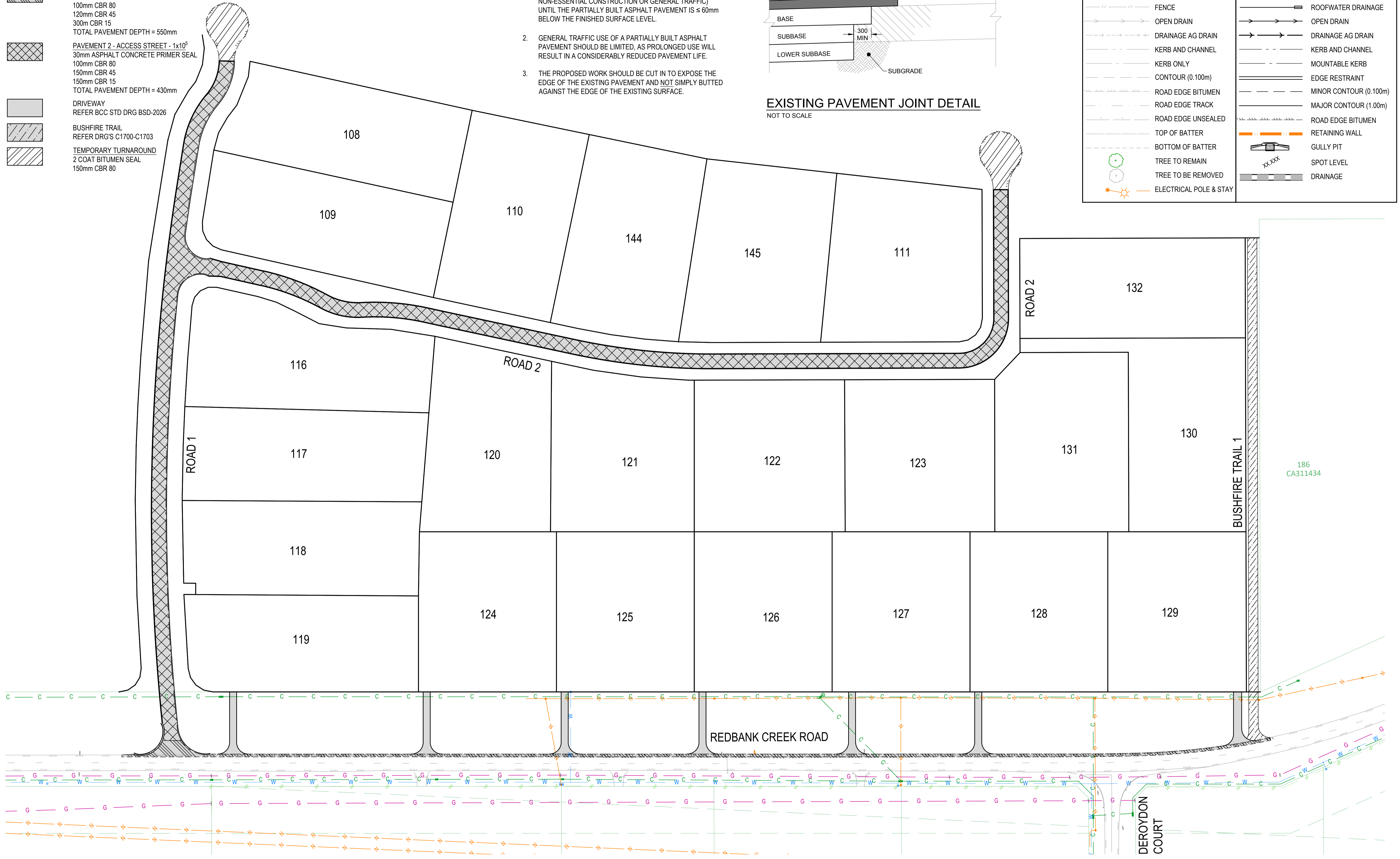
1. FOR ANY PARTIALLY BUILT ASPHALT PAVEMENT, THE PAVEMENT SHOULD NOT BE LOADED (BY EITHER NON-ESSENTIAL CONSTRUCTION OR GENERAL TRAFFIC) UNTIL THE PARTIALLY BUILT ASPHALT PAVEMENT IS ≤ 60mm BELOW THE FINISHED SURFACE LEVEL.
2. GENERAL TRAFFIC USE OF A PARTIALLY BUILT ASPHALT PAVEMENT SHOULD BE LIMITED, AS PROLONGED USE WILL RESULT IN A CONSIDERABLY REDUCED PAVEMENT LIFE.
3. THE PROPOSED WORK SHOULD BE CUT IN TO EXPOSE THE EDGE OF THE EXISTING PAVEMENT AND NOT SIMPLY BUTTED AGAINST THE EDGE OF THE EXISTING SURFACE.



EXISTING PAVEMENT JOINT DETAIL
NOT TO SCALE

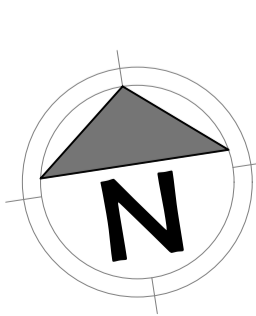
LEGEND

EXISTING	PROPOSED
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	



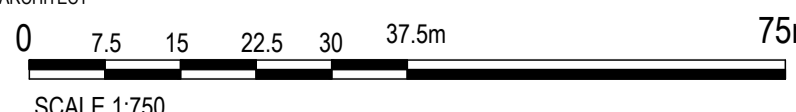
REVISIONS:

No.	REVISION DESCRIPTION	MP	DATE
A	ORIGINAL ISSUE	MP	22/07/22




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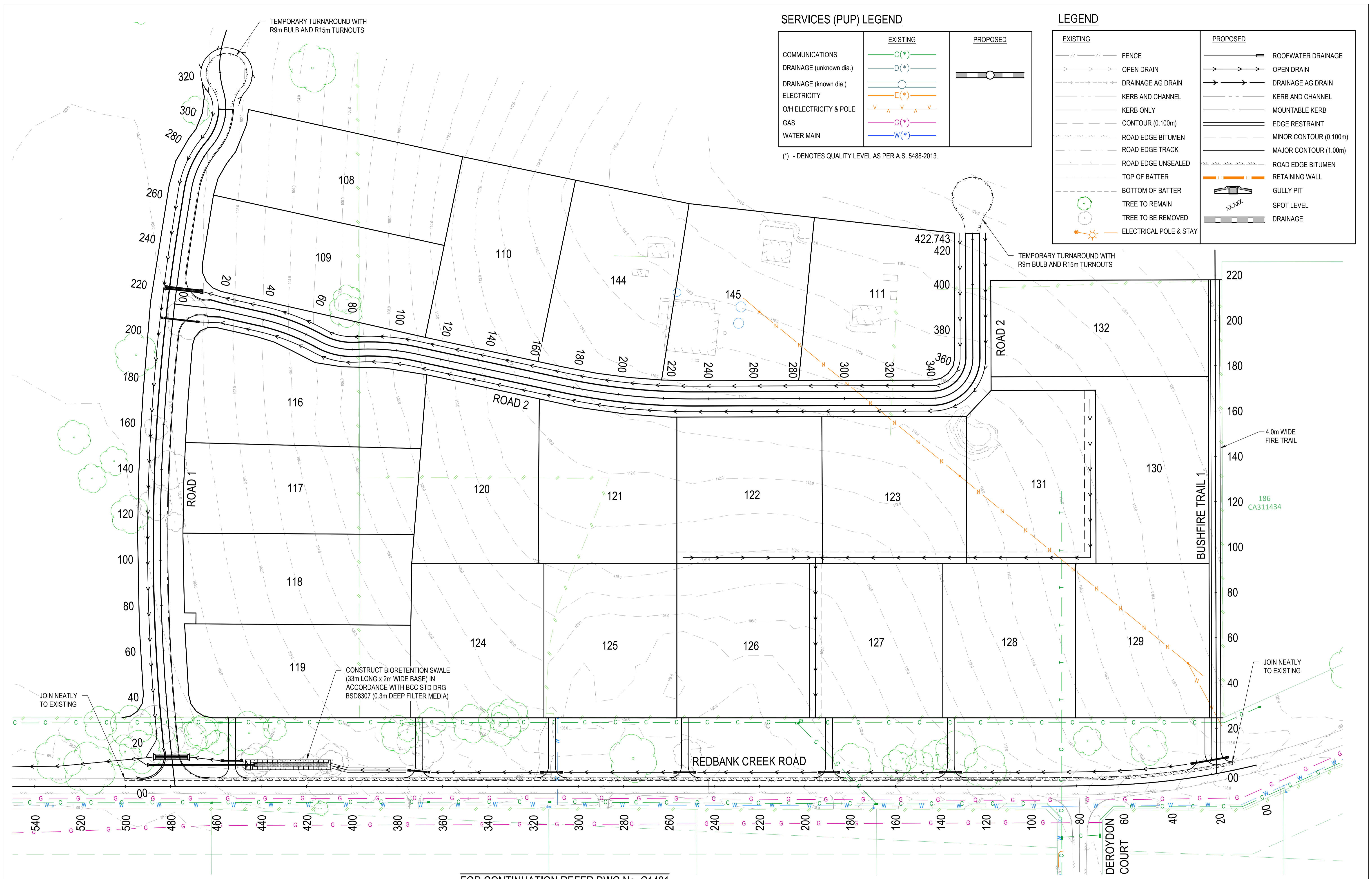
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ARCHITECT

SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGE 1
DRAWING TITLE
PAVEMENT PLAN

DRAWING STATUS
ORIGINAL ISSUE
NOT FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	JUL 2022	A1
JOB No.	DRAWING No.	REVISION	
BR222025	C1300	A	



SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE (unknown dia.)	D(*)	
DRAINAGE (known dia.)		
ELECTRICITY	E(*)	
O/H ELECTRICITY & POLE		
GAS	G(*)	
WATER MAIN	W(*)	

(*) - DENOTES QUALITY LEVEL AS PER A.S. 5488-2013.

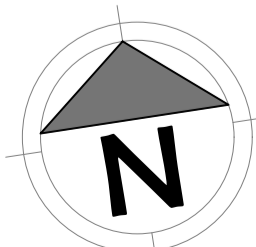
LEGEND

EXISTING	PROPOSED
FENCE	ROOFWATER DRAINAGE
OPEN DRAIN	OPEN DRAIN
DRAINAGE AG DRAIN	DRAINAGE AG DRAIN
KERB AND CHANNEL	KERB AND CHANNEL
KERB ONLY	MOUNTABLE KERB
CONTOUR (0.100m)	EDGE RESTRAINT
ROAD EDGE BITUMEN	MINOR CONTOUR (0.100m)
ROAD EDGE TRACK	MAJOR CONTOUR (1.00m)
ROAD EDGE UNSEALED	ROAD EDGE BITUMEN
TOP OF BATTER	RETAINING WALL
BOTTOM OF BATTER	GULLY PIT
TREE TO REMAIN	SPOT LEVEL
TREE TO BE REMOVED	DRAINAGE
ELECTRICAL POLE & STAY	

FOR CONTINUATION REFER DWG No. C1401

REVISIONS:

No.	REVISION DESCRIPTION	MP	DATE
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ARCHITECT
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SCALE 1:500

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGE 1

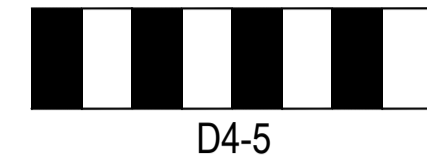
DRAWING TITLE
ROADWORKS PLAN

DRAWING STATUS
ORIGINAL ISSUE
NOT FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	

DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	JUL 2022	A1

JOB No.	DRAWING No.	REVISION
BR222025	C1400	A



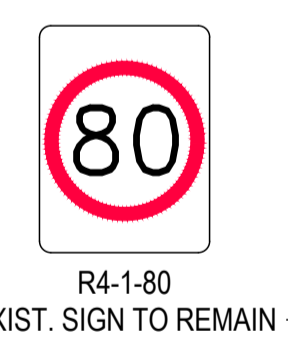
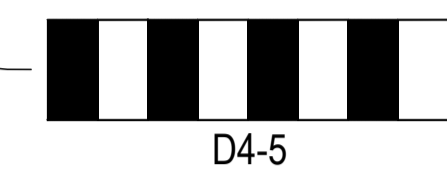
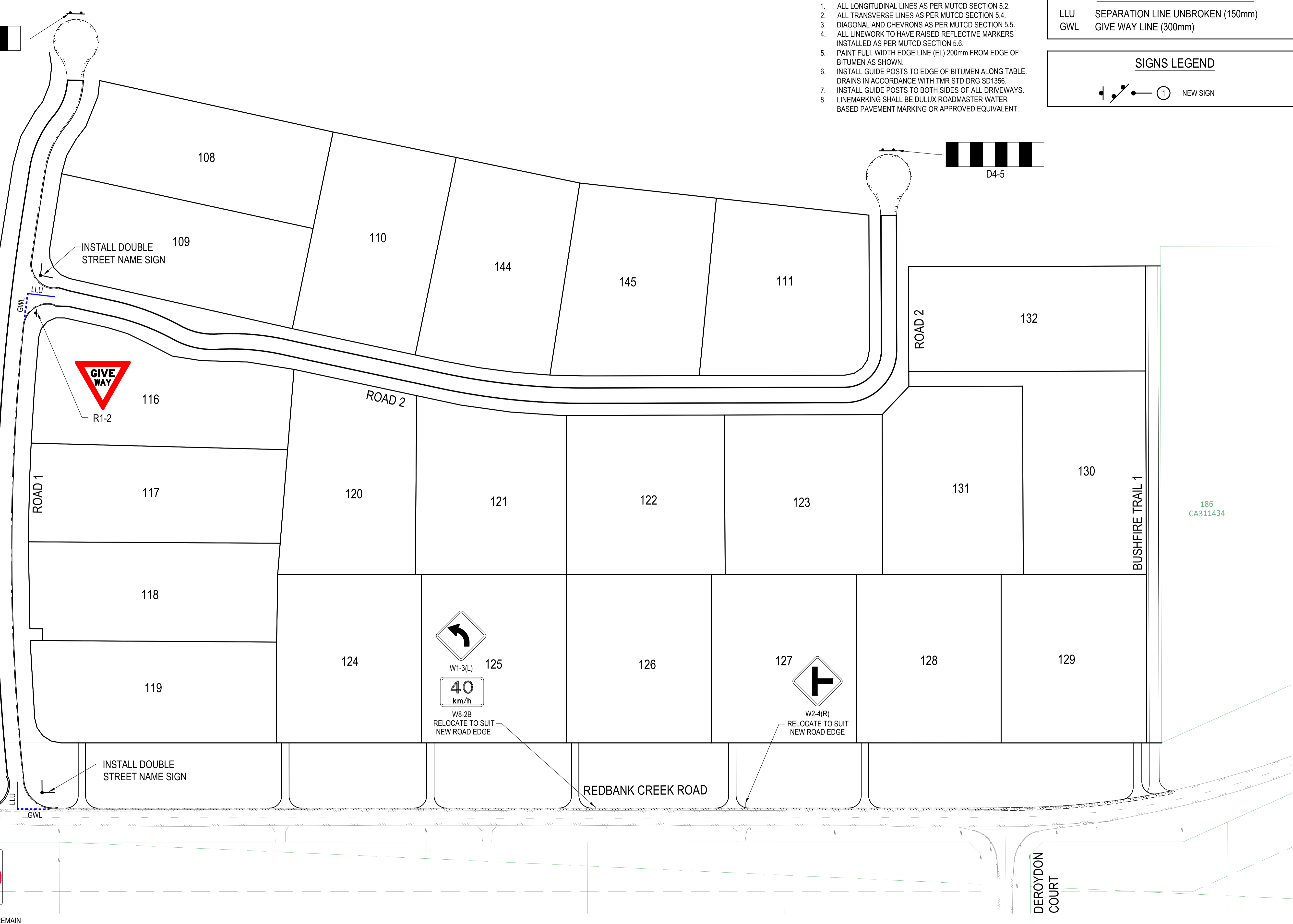
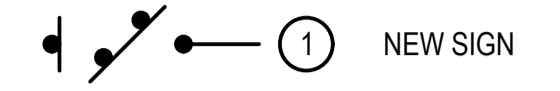
PAVEMENT MARKING NOTES

1. ALL LONGITUDINAL LINES AS PER MUTCD SECTION 5.2.
2. ALL TRANSVERSE LINES AS PER MUTCD SECTION 5.4.
3. DIAGONAL AND CHEVRONS AS PER MUTCD SECTION 5.5.
4. ALL LINework TO HAVE RAISED REFLECTIVE MARKERS INSTALLED AS PER MUTCD SECTION 5.6.
5. PAINT FULL WIDTH EDGE LINE (EL) 200mm FROM EDGE OF BITUMEN AS SHOWN.
6. INSTALL GUIDE POSTS TO EDGE OF BITUMEN ALONG TABLE DRAINS IN ACCORDANCE WITH TMR STD DRG SD1356.
7. INSTALL GUIDE POSTS TO BOTH SIDES OF ALL DRIVEWAYS.
8. LINEMARKING SHALL BE DULUX ROADMASTER WATER BASED PAVEMENT MARKING OR APPROVED EQUIVALENT.

PAVEMENT MARKING LEGEND

- LLU SEPARATION LINE UNBROKEN (150mm)
- GWL GIVE WAY LINE (300mm)

SIGNS LEGEND



R4-1-80 EXIST. SIGN TO REMAIN



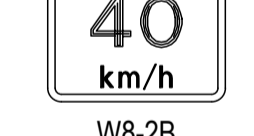
R4-1-60 EXIST. SIGN TO REMAIN



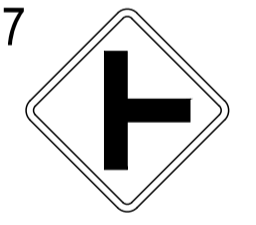
R1-2



W1-3(L) 125

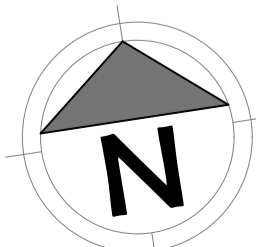


W8-2B RELOCATE TO SUIT NEW ROAD EDGE



W2-4(R) RELOCATE TO SUIT NEW ROAD EDGE

REVISIONS:	
No.	REVISION DESCRIPTION
A	ORIGINAL ISSUE



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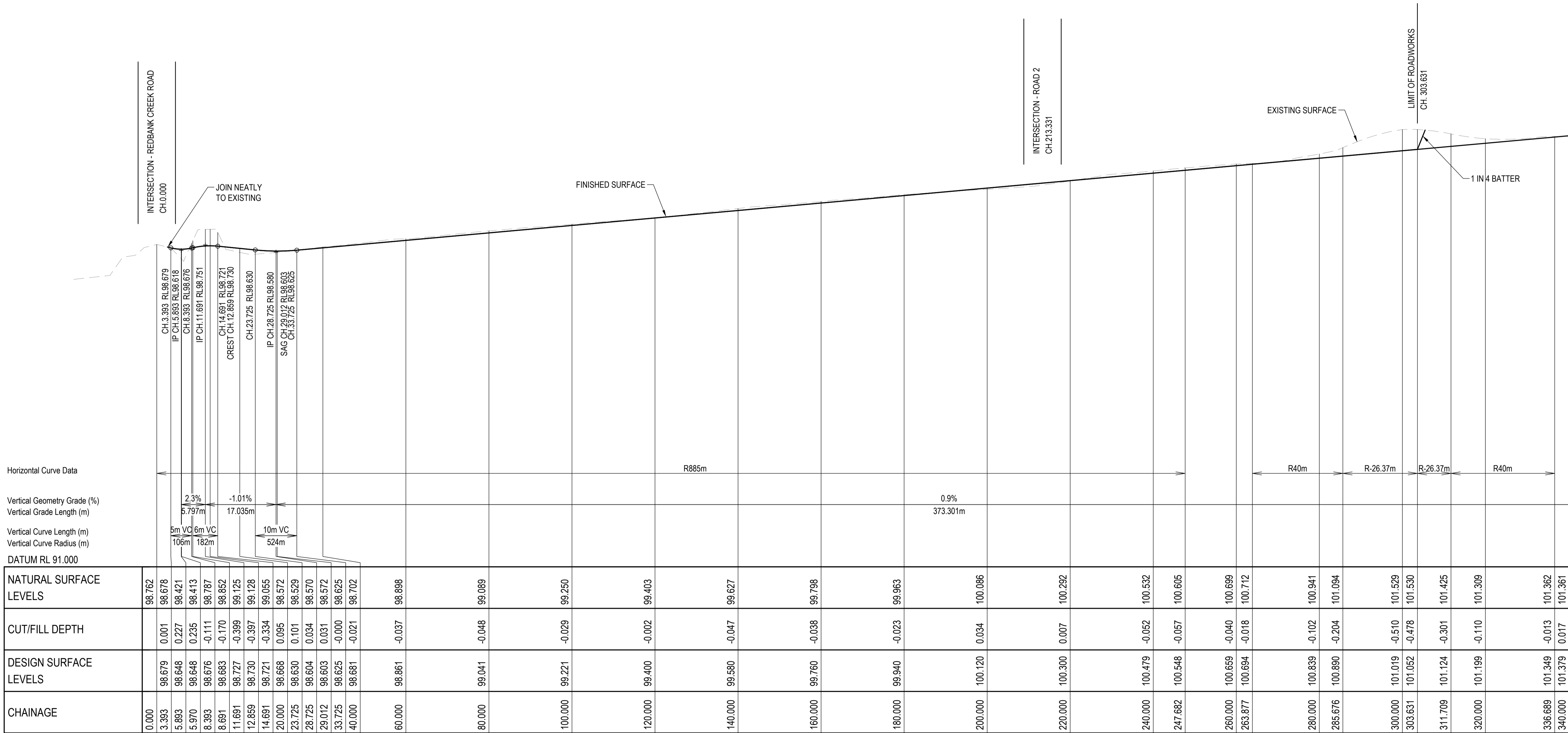
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 ARCHITECT

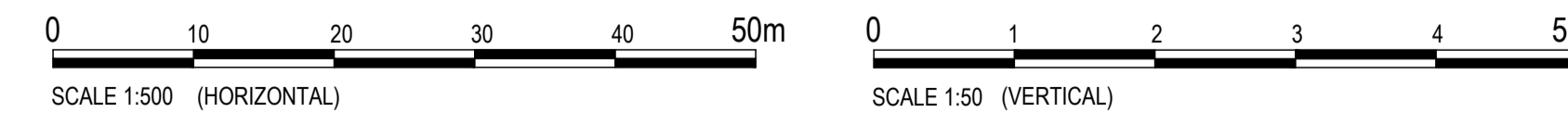
 SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
 174 ADARE ROAD, ADARE, QLD 4343
 STAGE 1
 DRAWING TITLE
SIGNS AND PAVEMENT MARKING PLAN

DRAWING STATUS			
ORIGINAL ISSUE			
NOT FOR CONSTRUCTION			
PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	JUL 2022	A1
JOB No.	DRAWING No.	REVISION	
BR222025	C1430	A	



LONGITUDINAL SECTION - ROAD 1
 HORIZONTAL SCALE 1:500
 VERTICAL SCALE 1:50



	0.000	3.393	5.893	8.393	11.891	14.859	17.817	20.775	23.725	28.725	33.725	40.000	60.000	80.000	100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	247.682	260.000	263.877	280.000	285.676	300.000	303.631	311.709	320.000	336.689	340.000				
NATURAL SURFACE LEVELS	98.762	98.678	98.421	98.413	98.787	98.852	99.125	99.128	99.055	98.572	98.529	98.570	98.572	98.625	98.702	98.898	99.089	99.250	99.403	99.627	99.798	99.963	100.086	100.292	100.532	100.605	100.699	100.712	100.839	100.941	101.094	101.529	101.530	101.425	101.309	101.362	101.361
CUT/FILL DEPTH		0.001	0.227	0.235	-0.111	-0.170	-0.399	-0.397	-0.334	0.095	0.101	0.034	0.031	-0.000	-0.021	-0.037	-0.048	-0.029	-0.002	-0.047	-0.038	-0.023	0.034	0.007	-0.052	-0.057	-0.040	-0.018	-0.102	-0.204	-0.510	-0.478	-0.301	-0.110	-0.013	0.017	
DESIGN SURFACE LEVELS		98.679	98.648	98.648	98.676	98.683	98.727	98.730	98.721	98.668	98.630	98.604	98.603	98.625	98.681	98.861	99.041	99.221	99.400	99.580	99.760	99.940	100.120	100.300	100.479	100.548	100.659	100.694	100.839	100.890	101.019	101.052	101.124	101.199	101.349	101.379	101.361
CHAINAGE	0.000	3.393	5.893	8.393	11.891	14.859	17.817	20.775	23.725	28.725	33.725	40.000	60.000	80.000	100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	247.682	260.000	263.877	280.000	285.676	300.000	303.631	311.709	320.000	336.689	340.000				

No.	REVISION DESCRIPTION	MP	DATE
A	ORIGINAL ISSUE	MP	22/07/22



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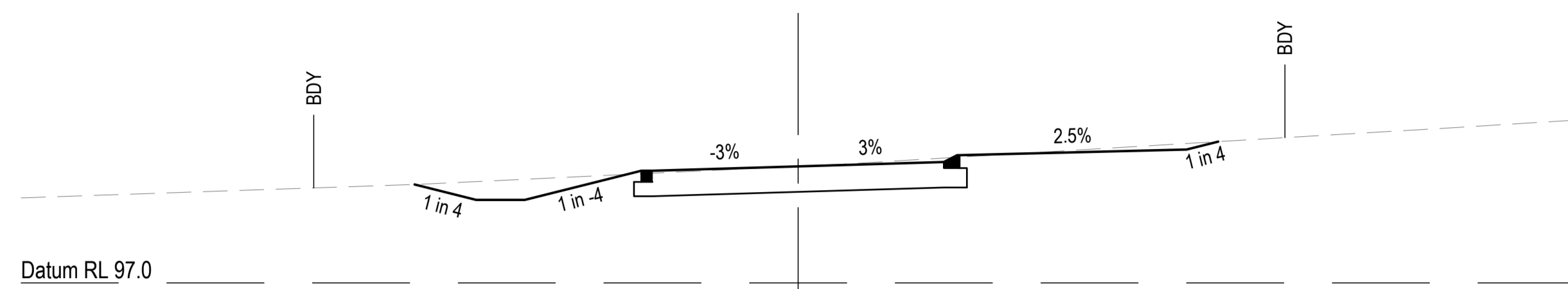
ARCHITECT

PROJECT TITLE
PROPOSED SUBDIVISION
 174 ADARE ROAD, ADARE, QLD 4343
 STAGE 1

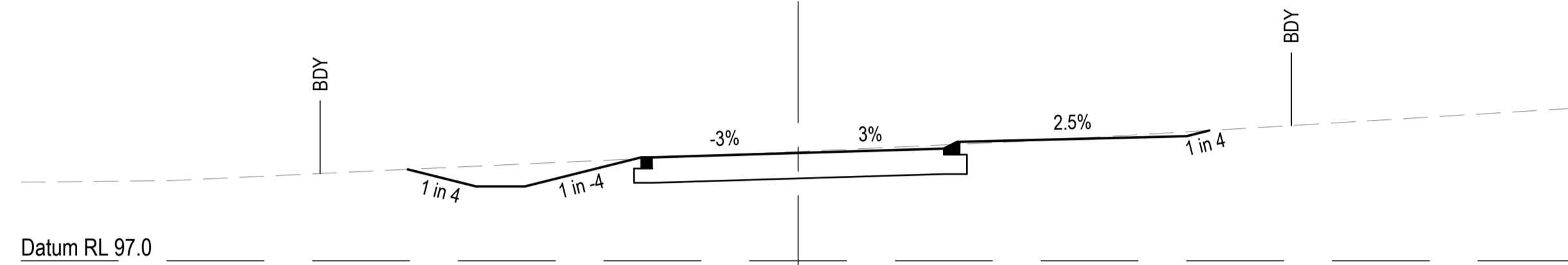
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 ROAD LONGITUDINAL SECTION
 ROAD 1

DRAWING STATUS
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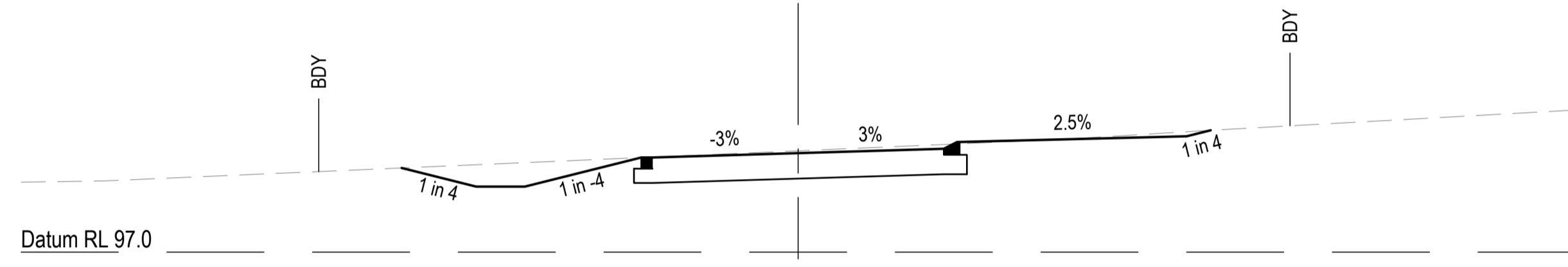
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DRAFTSPERSON MP	SCALE AS SHOWN	DATE JUL 2022
JOB No. BR222025	DRAWING No. C1450	SHEET SIZE A1
		REVISION A



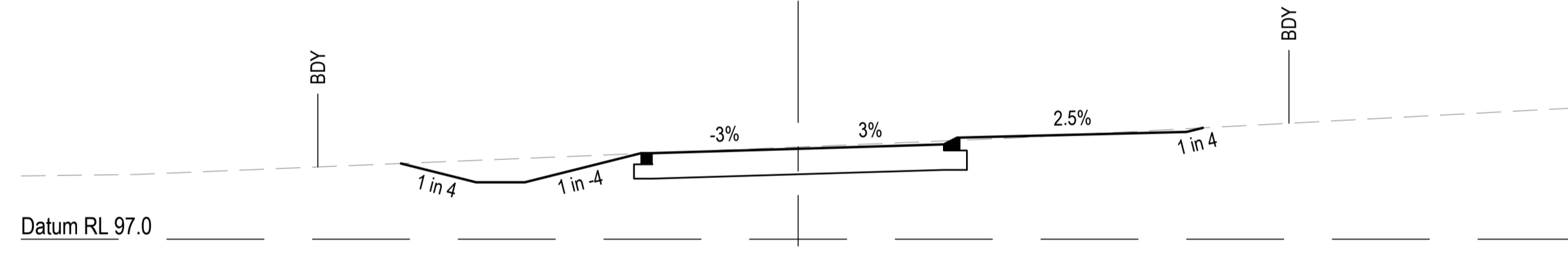
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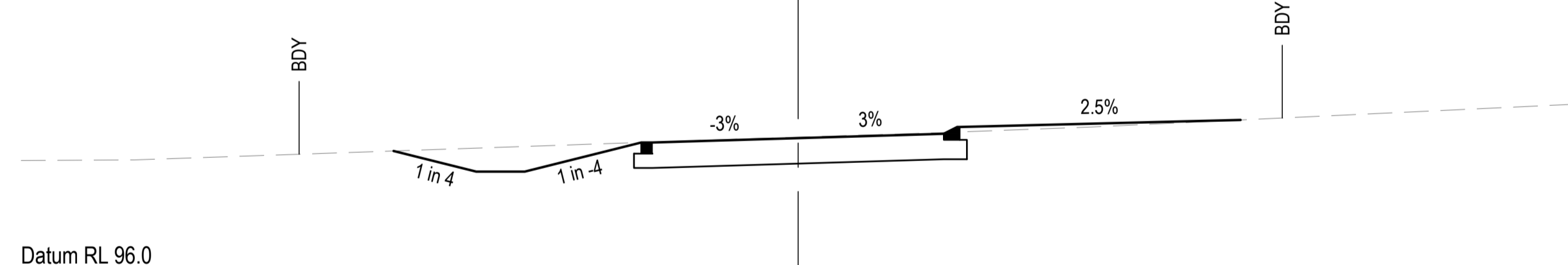
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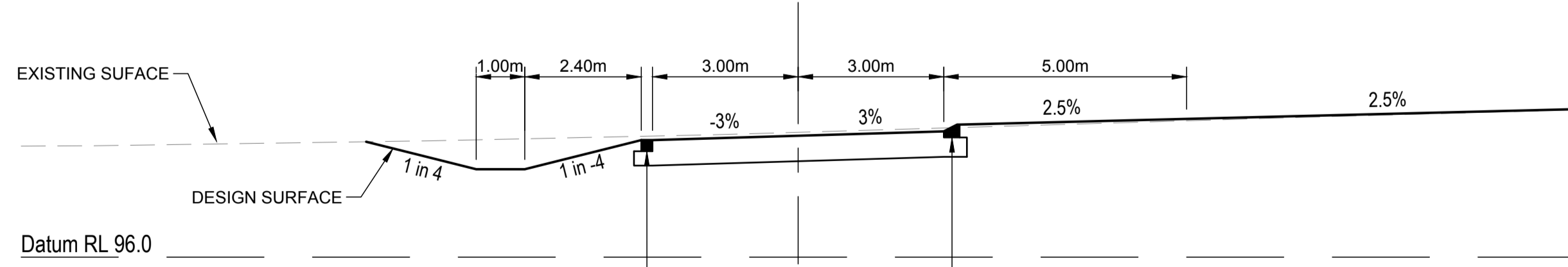
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CH. 60.000



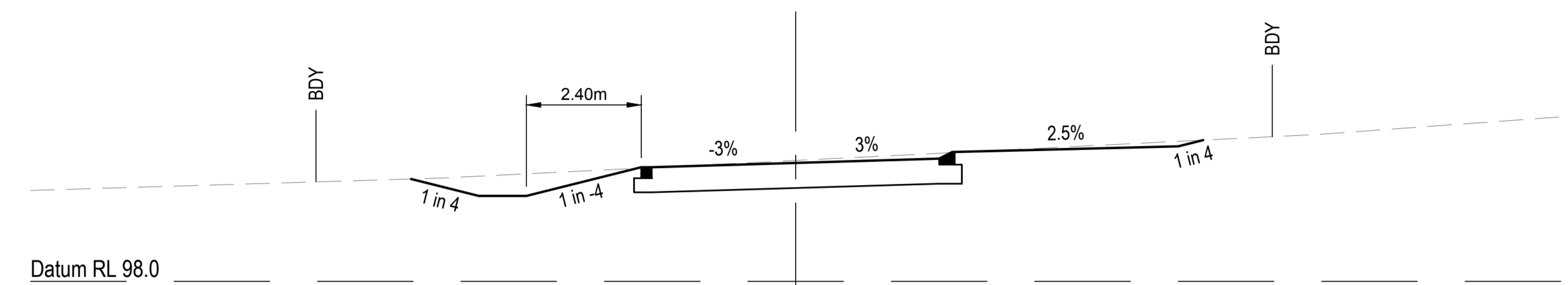
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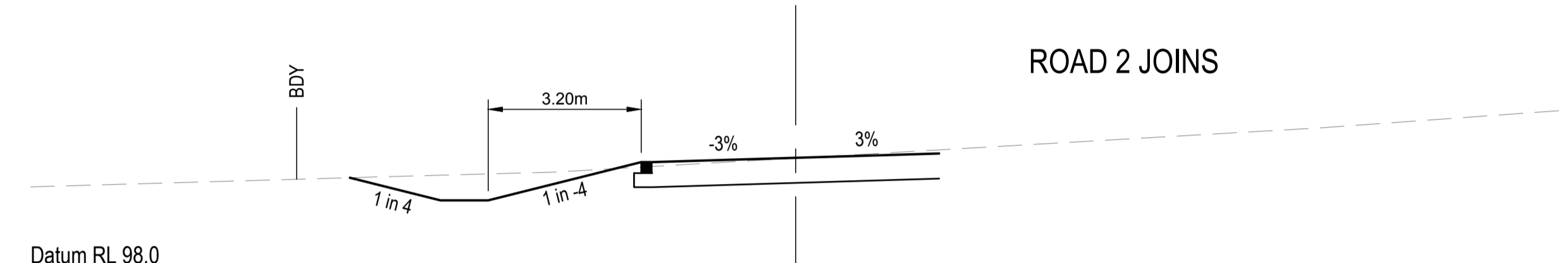
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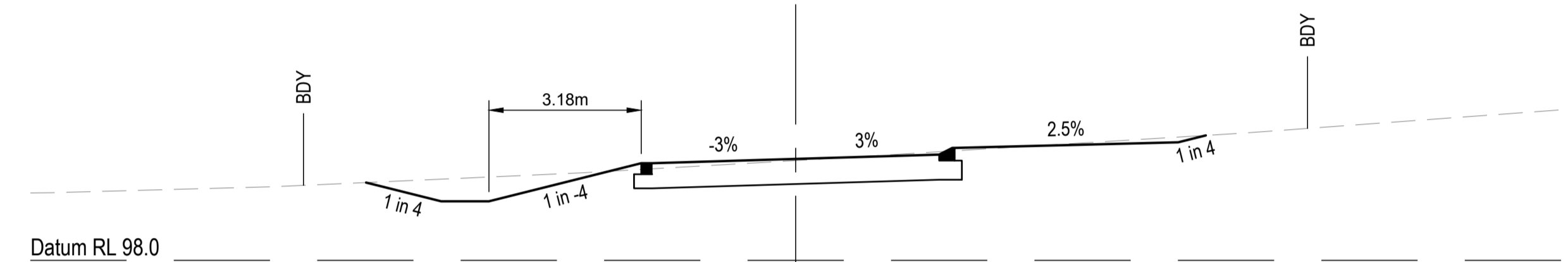
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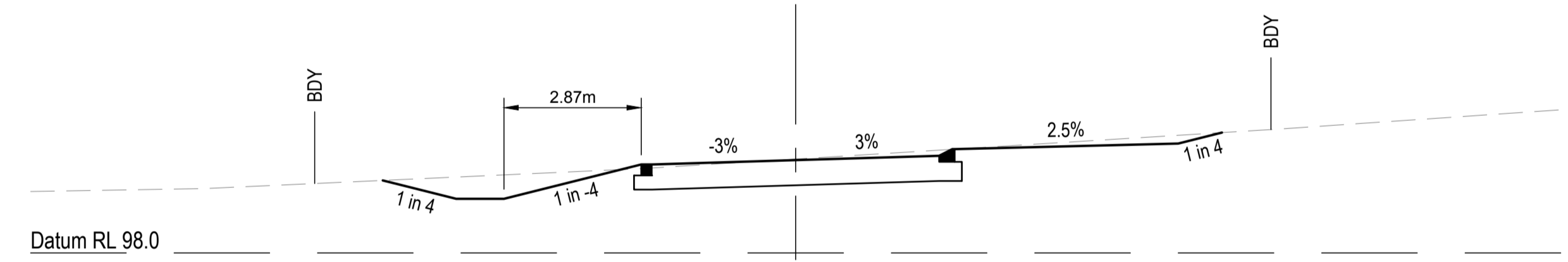
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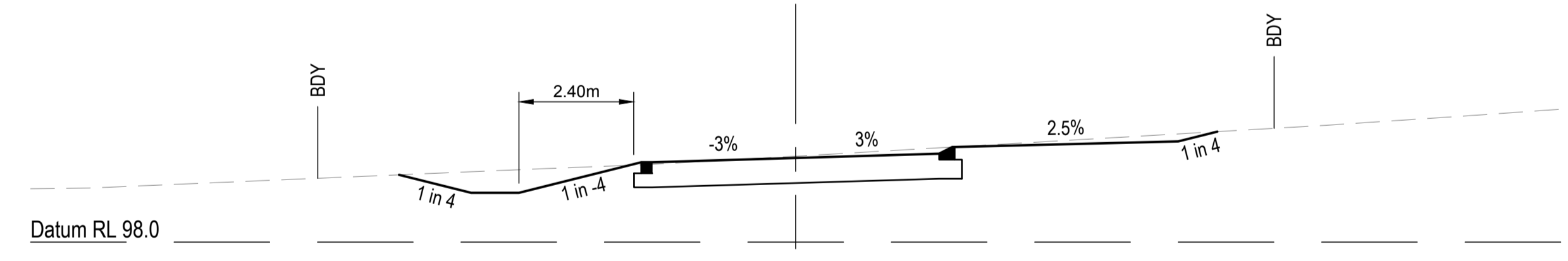
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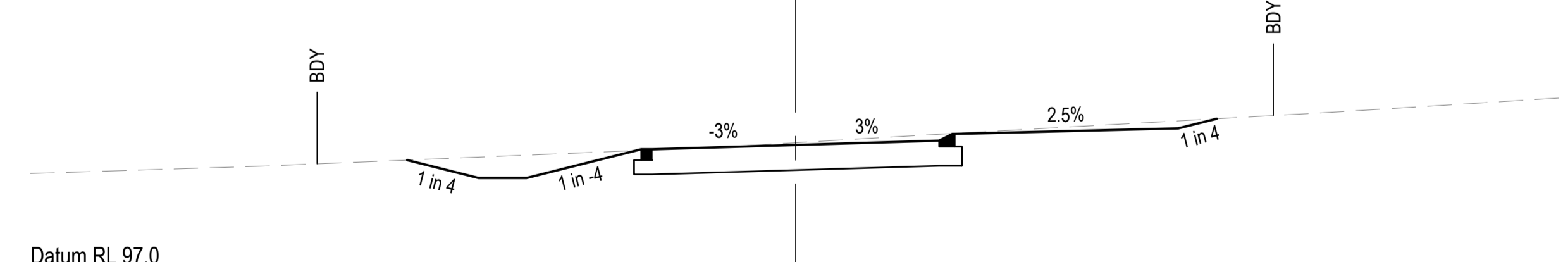
CH. 200.000



CH. 180.000



CH. 160.000



CH. 140.000

ROAD 2 JOINS

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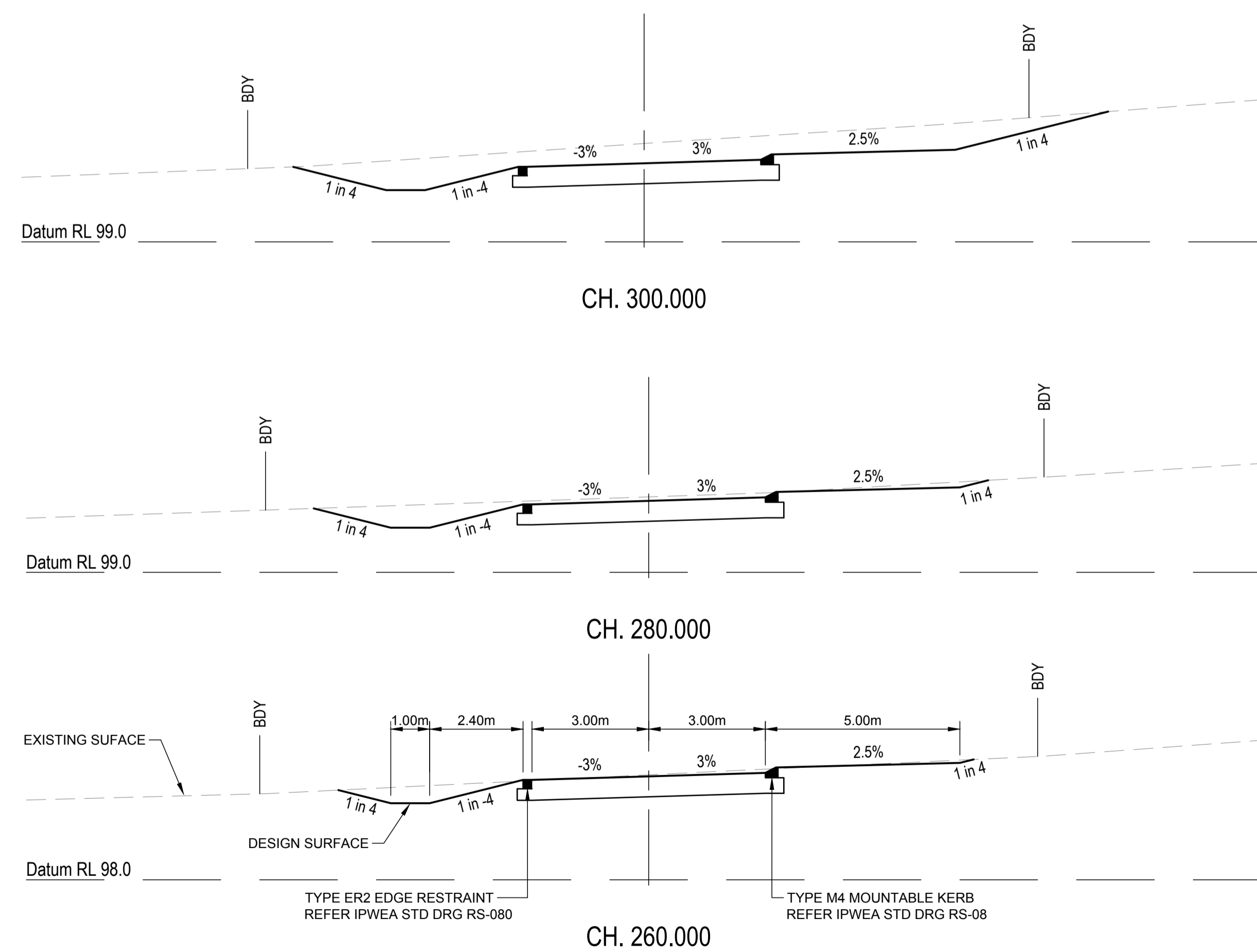
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 SCALE 1:100

PROJECT TITLE
PROPOSED SUBDIVISION
 174 ADARE ROAD, ADARE, QLD 4343
 STAGE 1
 DRAWING TITLE
ROAD CROSS SECTIONS - ROAD 1
 SHEET 1

DRAWING STATUS ORIGINAL ISSUE NOT FOR CONSTRUCTION			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE 	
DRAFTSPERSON MP	SCALE AS SHOWN	DATE JUL 2022	SHEET SIZE A1
JOB No. BR222025	DRAWING No. C1451	REVISION A	



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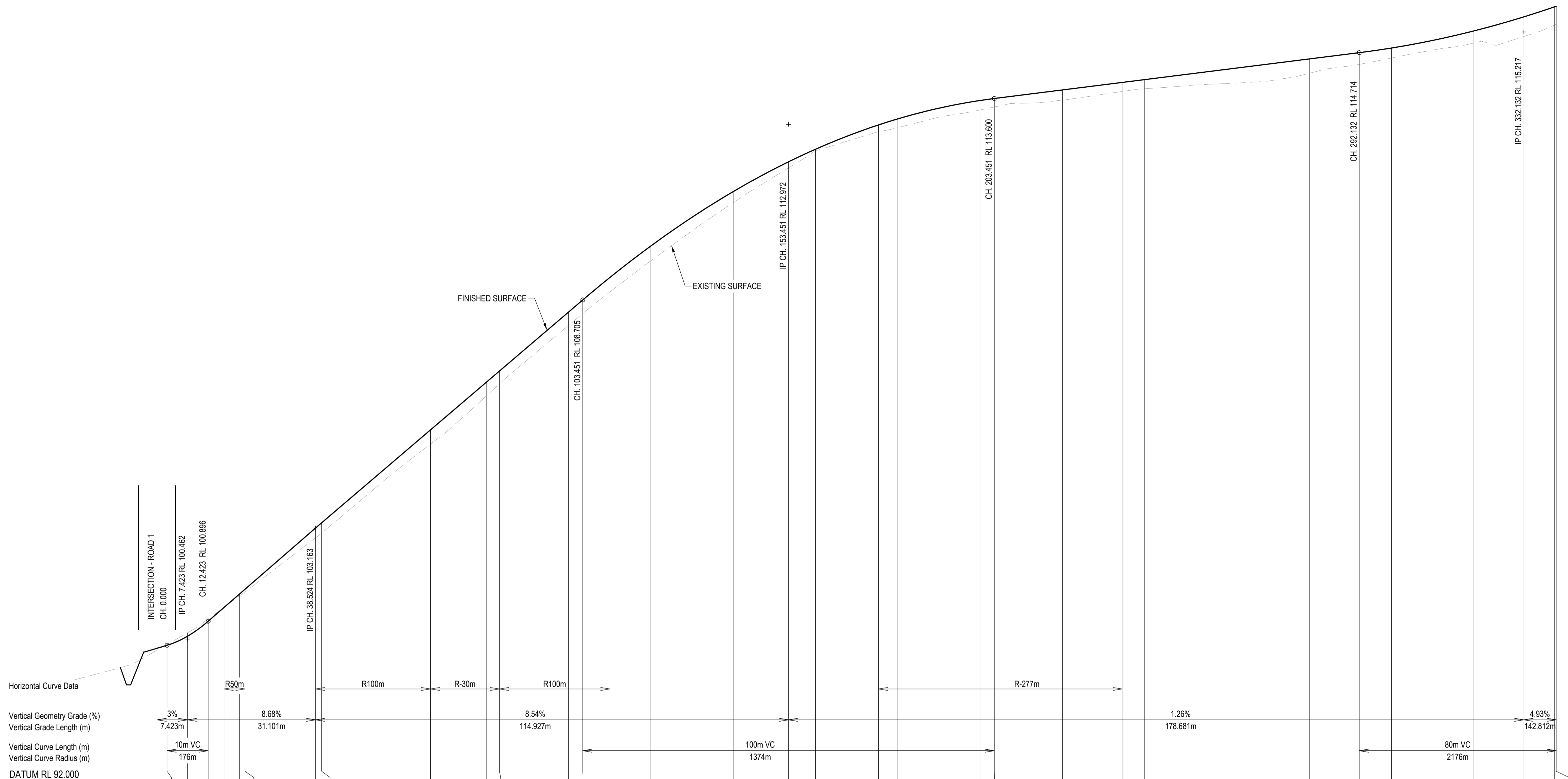
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ARCHITECT
 SCALE 1:100

PROJECT TITLE
PROPOSED SUBDIVISION
 174 ADARE ROAD, ADARE, QLD 4343
 STAGE 1

DRAWING TITLE
ROAD CROSS SECTIONS - ROAD 1 SHEET 2

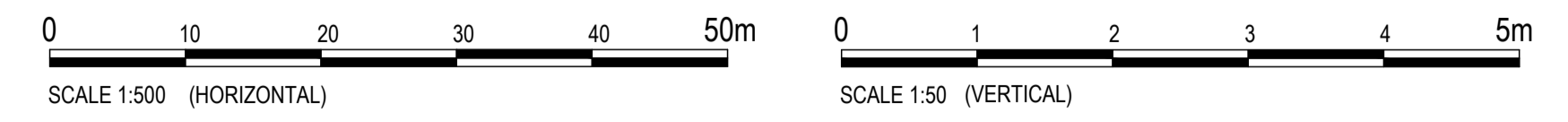
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ORIGINAL ISSUE NOT FOR CONSTRUCTION			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE	
DRAFTSPERSON MP	SCALE AS SHOWN	DATE JUL 2022	SHEET SIZE A1
JOB No. BR222025	DRAWING No. C1452	REVISION A	



Vertical Curve Length (m)	Vertical Curve Radius (m)	Vertical Grade (%)	Vertical Grade Length (m)	Horizontal Curve Data
10m VC	176m	3%	7.423m	R50m
100m VC	1374m	8.68%	31.101m	R100m
80m VC	2176m	8.54%	114.927m	R-30m, R100m
		1.26%	178.681m	R-277m
		4.93%	142.812m	

CHAINAGE	NATURAL SURFACE LEVELS	CUT/FILL DEPTH	DESIGN SURFACE LEVELS
0.000	100.193	0.047	100.240
2.423	100.331	-0.019	100.312
7.423	100.616	-0.083	100.533
12.423	100.950	-0.053	100.896
16.284	101.236	-0.005	101.232
20.000	101.511	0.044	101.554
21.364	101.611	0.062	101.673
38.524	102.924	0.239	103.163
40.000	103.041	0.248	103.289
60.000	104.704	0.292	104.996
66.450	105.201	0.346	105.547
80.000	106.370	0.333	106.703
83.192	106.666	0.310	106.976
100.000	108.089	0.322	108.410
103.451	108.375	0.330	108.705
110.045	108.900	0.352	109.252
120.000	109.656	0.361	110.018
140.000	111.068	0.270	111.338
153.451	111.914	0.149	112.062
160.000	112.333	0.035	112.367
175.322	112.796	0.163	112.959
180.000	112.893	0.213	113.106
200.000	113.322	0.231	113.553
203.451	113.393	0.207	113.600
220.000	113.561	0.247	113.808
234.502	113.770	0.220	113.990
240.000	113.836	0.224	114.059
260.000	113.965	0.346	114.311
280.000	114.214	0.348	114.562
292.132	114.430	0.285	114.714
300.000	114.585	0.243	114.827
320.000	114.949	0.294	115.243
332.132	115.106	0.478	115.584
339.630	115.388	0.441	115.829
340.000	115.405	0.437	115.842

LONGITUDINAL SECTION - ROAD 2
 HORIZONTAL SCALE 1:500
 VERTICAL SCALE 1:50



REVISIONS:	No.	REVISION DESCRIPTION	MP	DATE
A	1	ORIGINAL ISSUE	MP	22/07/22



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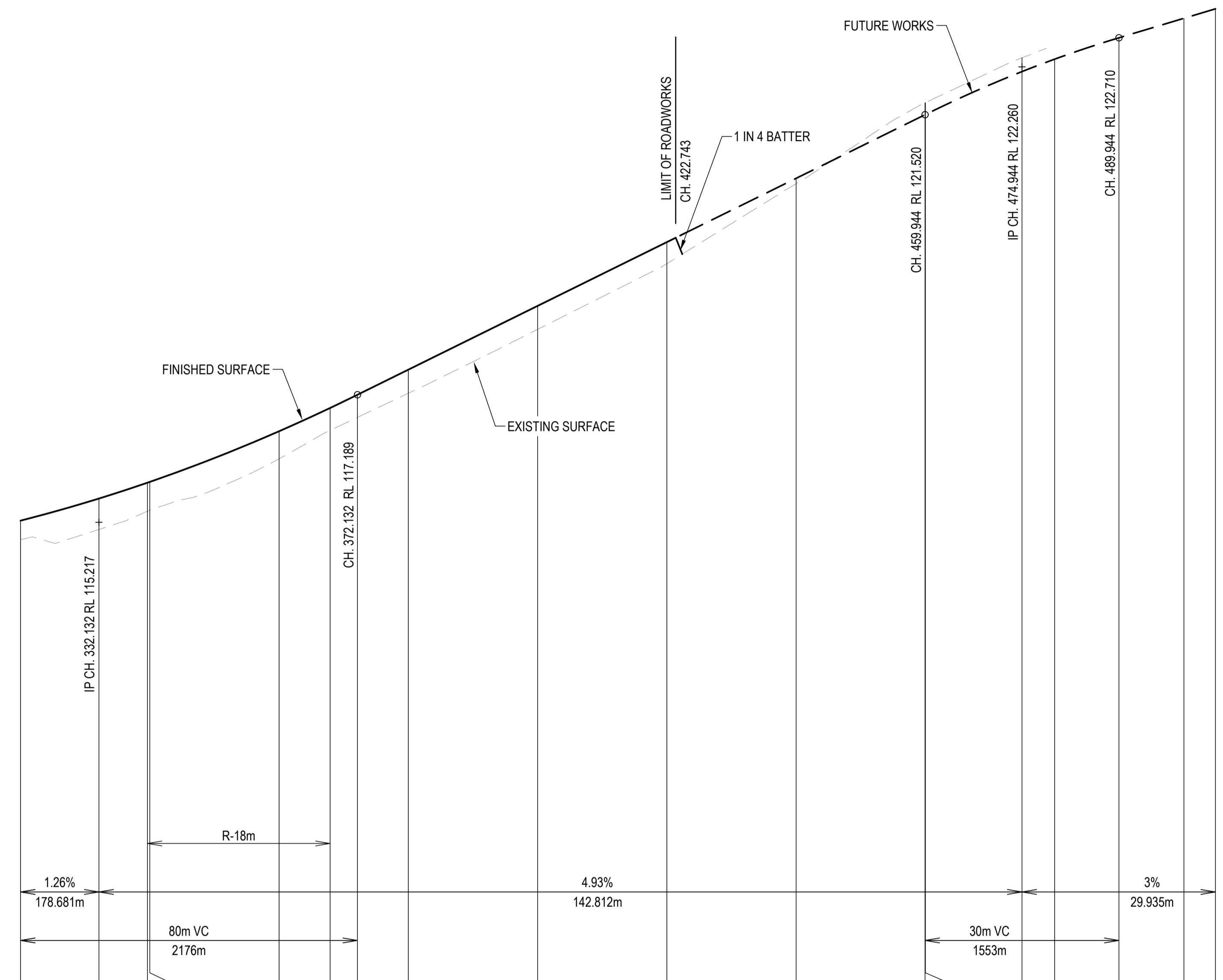
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PROJECT TITLE
PROPOSED SUBDIVISION
 174 ADARE ROAD, ADARE, QLD 4343
 STAGE 1

DRAWING TITLE
ROAD LONGITUDINAL SECTION
ROAD 2 - SHEET 1

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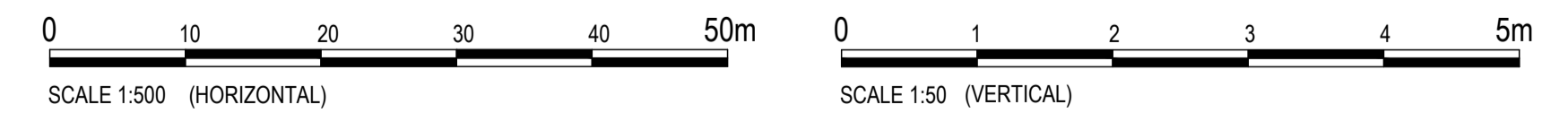
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DRAFTSPERSON MP	SCALE AS SHOWN	DATE JUL 2022
JOB No. BR222025	DRAWING No. C1453	SHEET SIZE A1
		REVISION A



Horiz Curve Data
 Vertical Geometry Grade (%)
 Vertical Grade Length (m)
 Vertical Curve Length (m)
 Vertical Curve Radius (m)
 DATUM R.L. 108.000

KERB LIP LEVELS LHS	115.153	115.494	115.739	115.752	116.535	116.895	117.099	117.487	118.474	119.460				
KERB LIP LEVELS RHS	115.153	115.494	115.739	115.752	116.535	116.895	117.099	117.487	118.474	119.460	100.767	100.980	100.980	101.114
NATURAL SURFACE LEVELS	114.949	115.106	115.388	115.405	116.199	116.639	116.840	117.213	118.201	119.217	120.453	121.704	121.706	122.401
CUT / FILL DEPTH	0.294	0.478	0.441	0.437	0.426	0.346	0.350	0.365	0.363	0.334	0.083	-0.183	-0.183	-0.213
DESIGN SURFACE LEVELS	115.243	115.584	115.829	115.842	116.625	116.985	117.189	117.577	118.564	119.560	120.537	121.520	121.523	122.187
CHAINAGE	320.000	332.132	339.630	340.000	360.000	367.904	372.132	380.000	400.000	420.000	440.000	459.944	460.000	474.944
														480.000
														500.000
														504.880

LONGITUDINAL SECTION - ROAD 2
 HORIZONTAL SCALE 1:500
 VERTICAL SCALE 1:50



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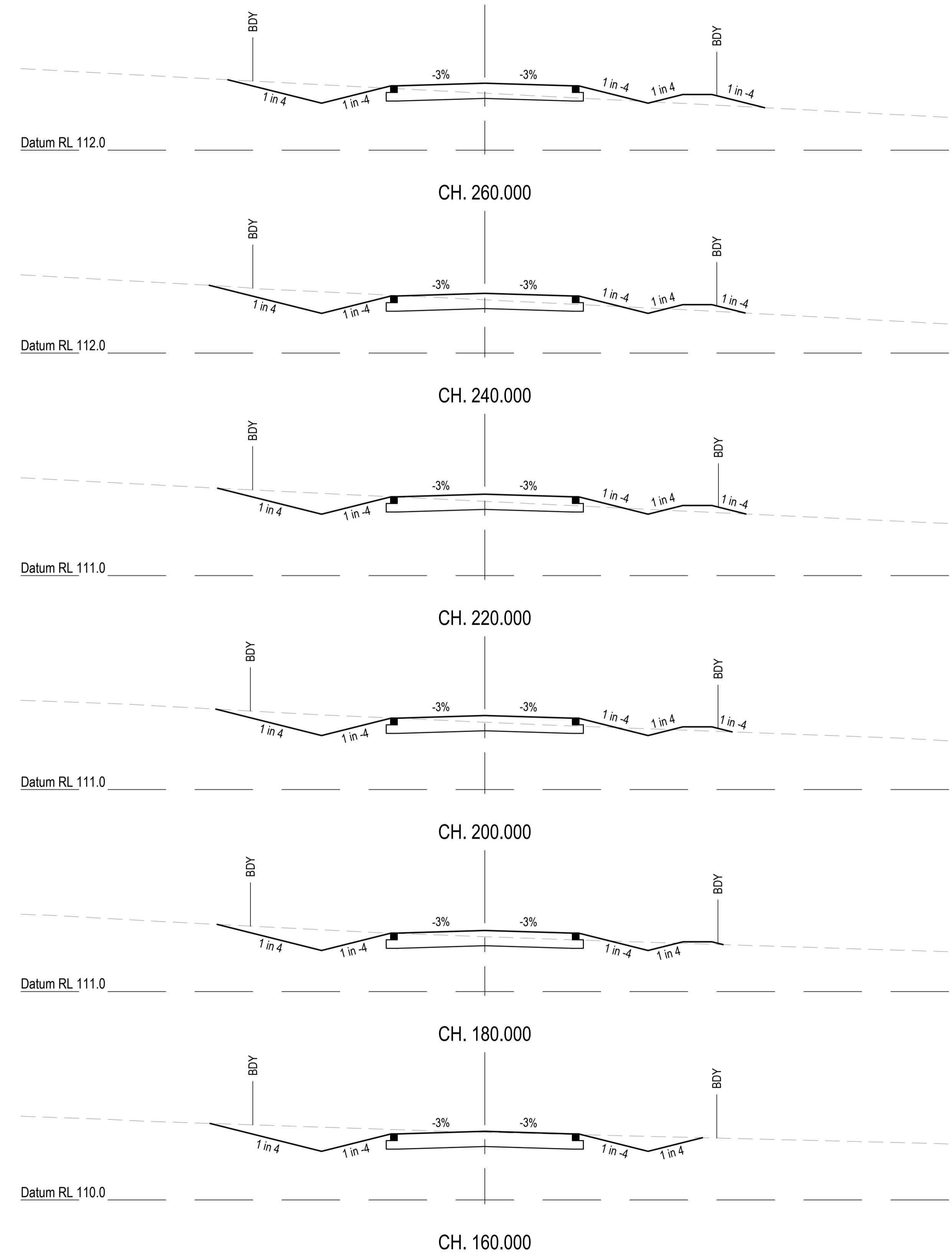
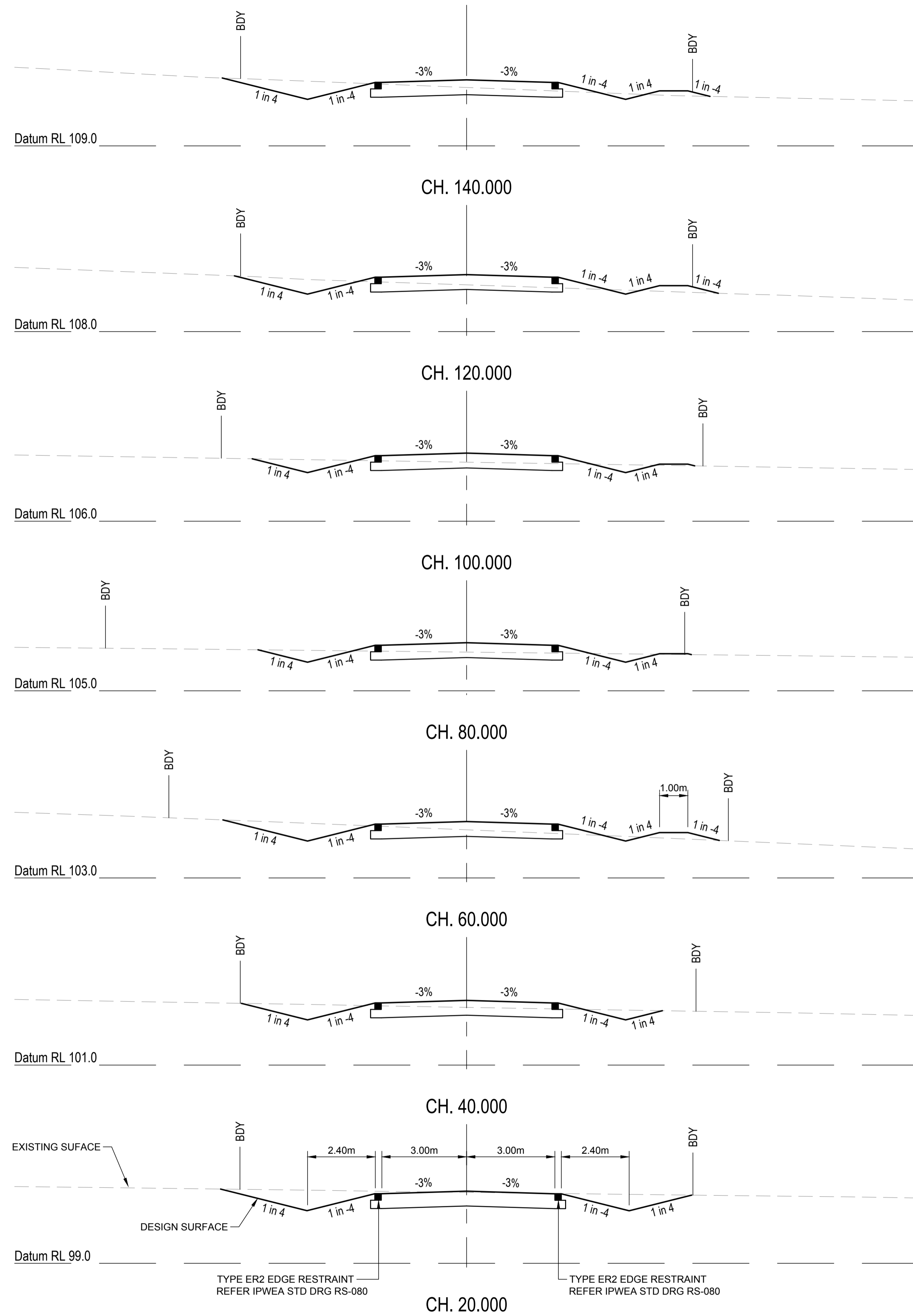
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PROJECT TITLE
PROPOSED SUBDIVISION
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 STAGE 1

DRAWING TITLE
ROAD LONGITUDINAL SECTION
 ROAD 2 - SHEET 2

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PROJECT LEADER CK	DESIGNER MP	SIGNATURE	
DRAFTSPERSON MP	SCALE AS SHOWN	DATE JUL 2022	SHEET SIZE A1
JOB No. BR222025	DRAWING No. C1454	REVISION A	



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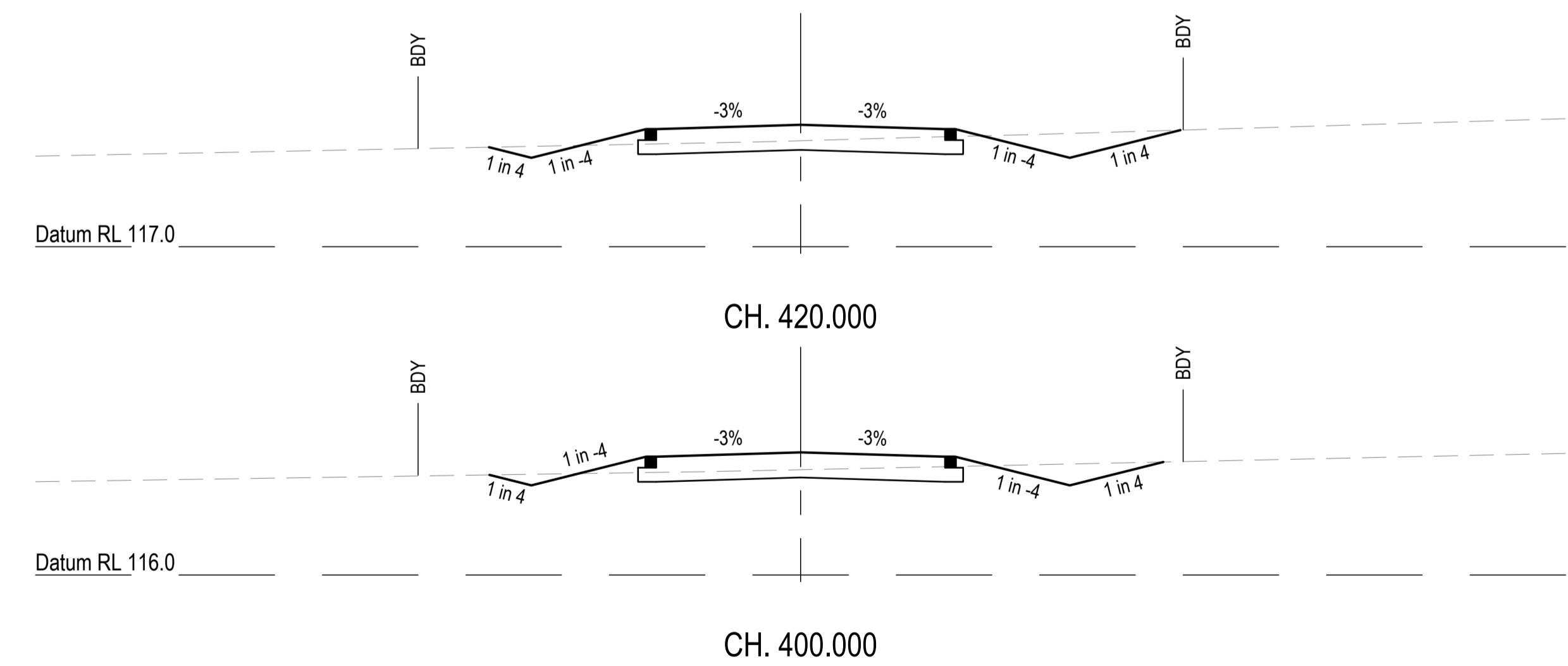
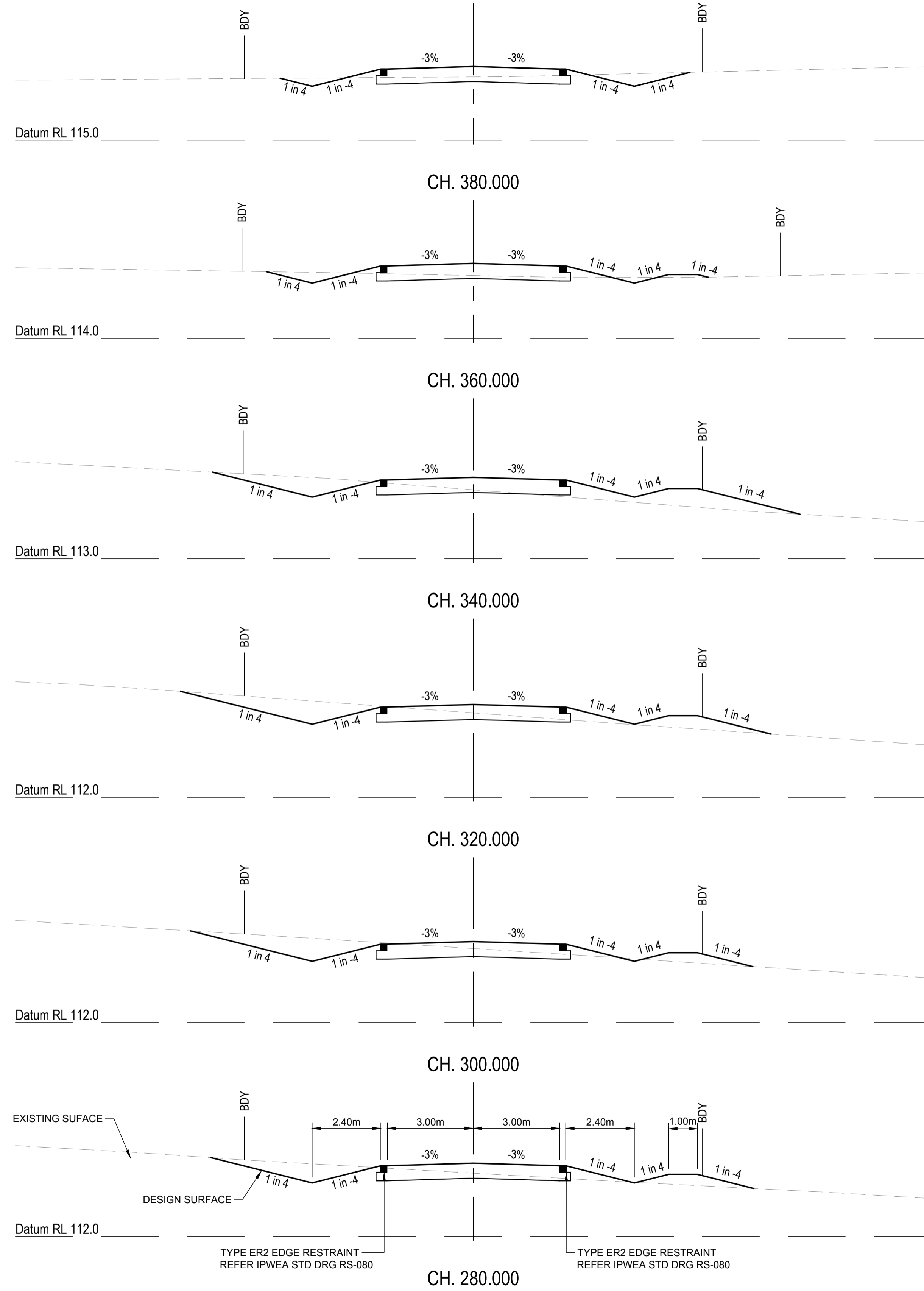
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ARCHITECT
SCALE 1:100

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGE 1

DRAWING TITLE
ROAD CROSS SECTIONS - ROAD 2
SHEET 1

DRAWING STATUS			
ORIGINAL ISSUE			
NOT FOR CONSTRUCTION			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE	
DRAFTSPERSON MP	SCALE AS SHOWN	DATE JUL 2022	SHEET SIZE A1
JOB No. BR222025	DRAWING No. C1455	REVISION A	



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ARCHITECT
0 1 2 3 4 5m 10m
SCALE 1:100

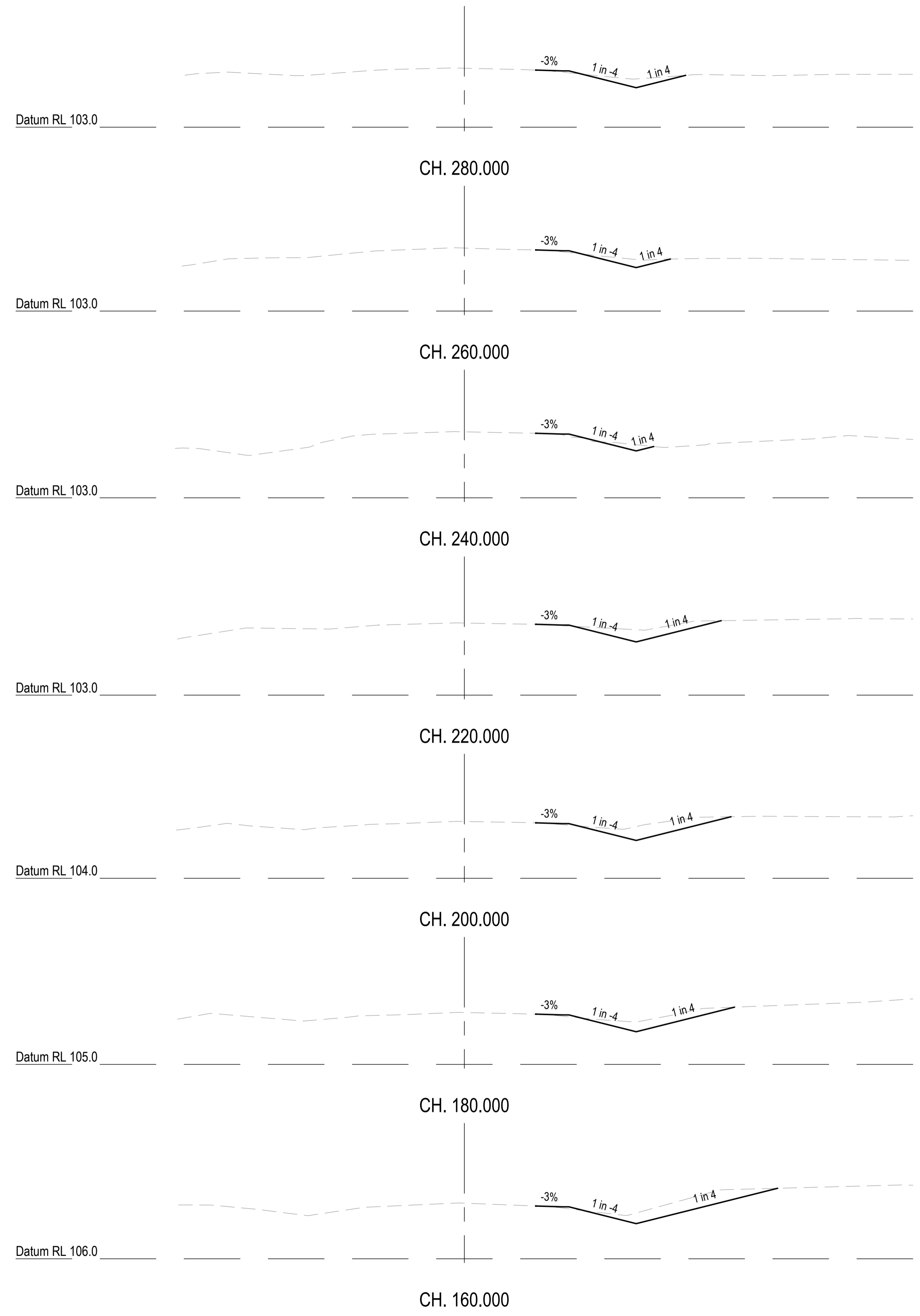
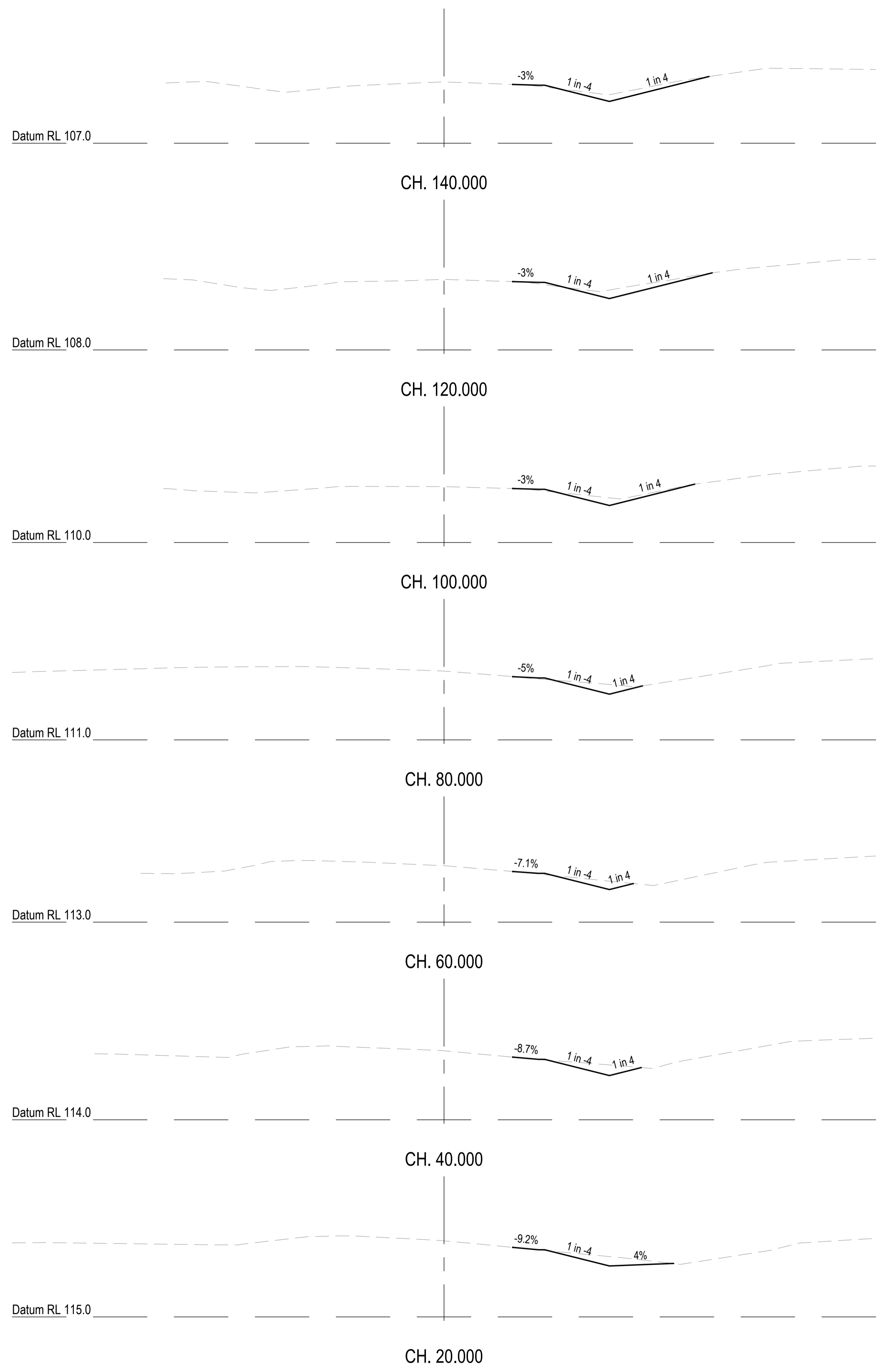
PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGE 1

DRAWING TITLE
ROAD CROSS SECTIONS - ROAD 2
SHEET 2

DRAWING STATUS
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PROJECT LEADER CK	DESIGNER MP	SIGNATURE
DRAFTSPERSON MP	SCALE AS SHOWN	DATE JUL 2022
JOB No. BR222025	DRAWING No. C1456	SHEET SIZE A1
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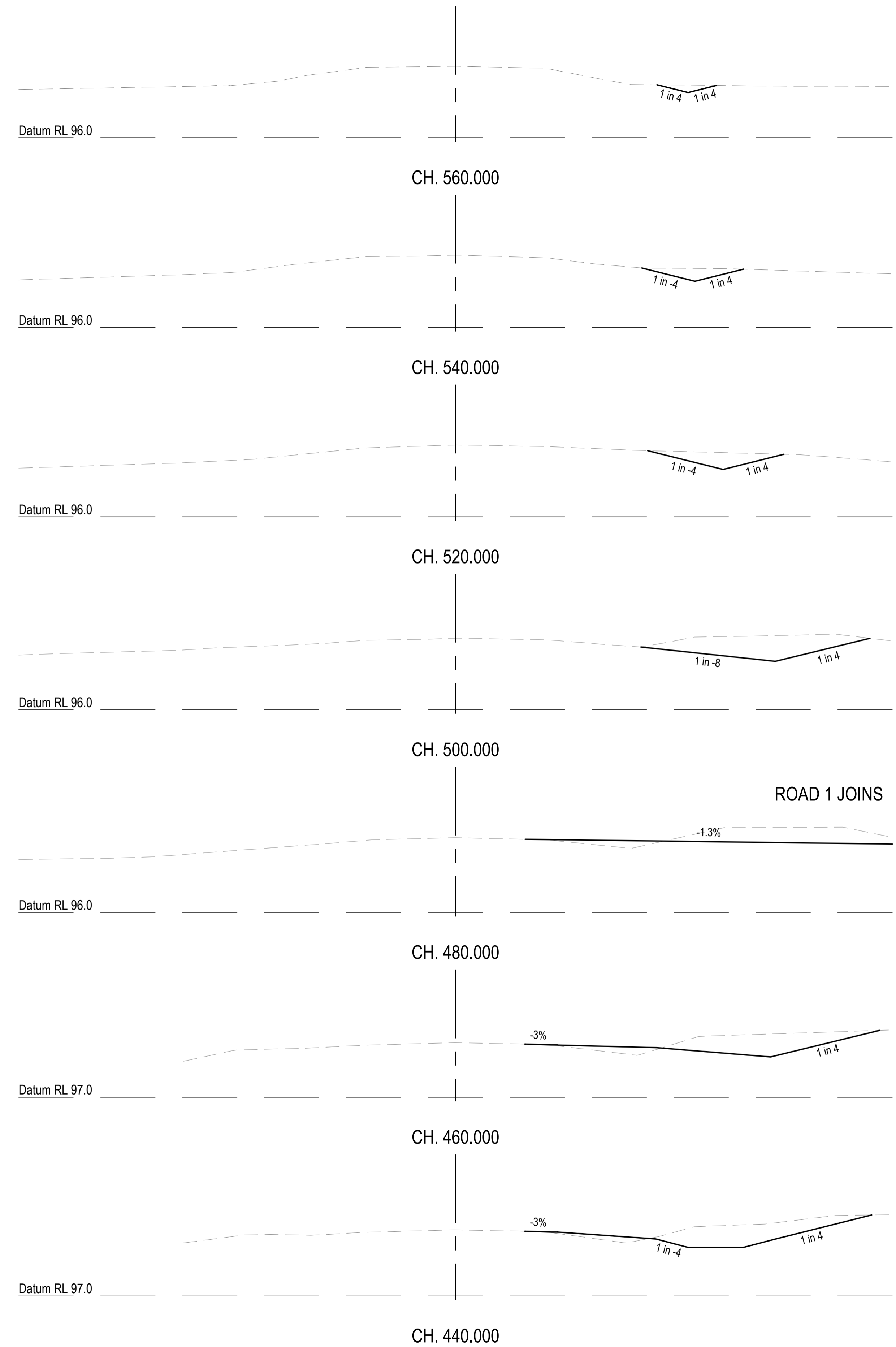
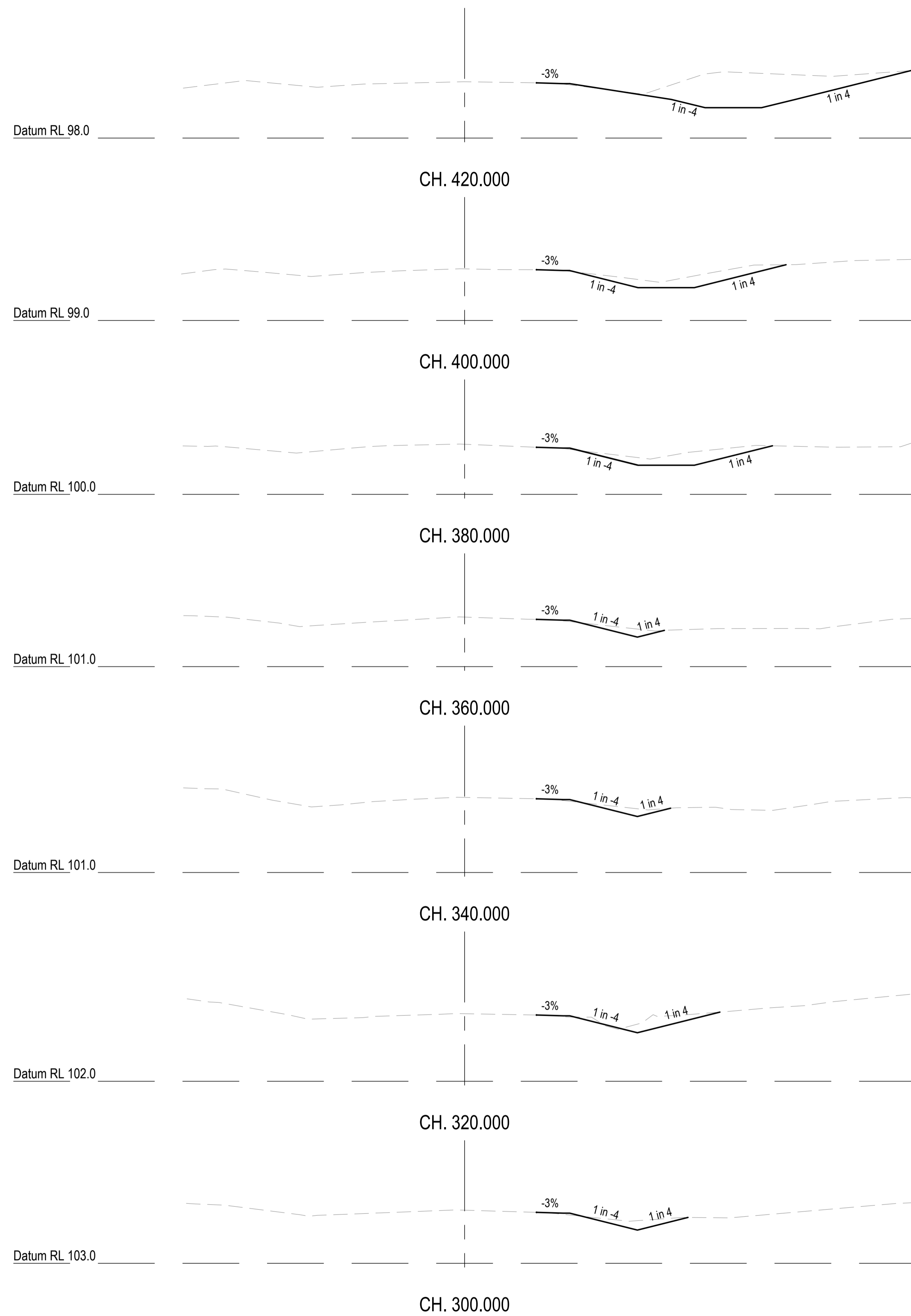
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 ARCHITECT
 SCALE 1:100

PROJECT TITLE
PROPOSED SUBDIVISION
 174 ADARE ROAD, ADARE, QLD 4343
 STAGE 1
 DRAWING TITLE
ROAD CROSS SECTIONS
 REDBANK CREEK ROAD - SHEET 1

DRAWING STATUS			
ORIGINAL ISSUE			
NOT FOR CONSTRUCTION			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE	
DRAFTSPERSON MP	SCALE AS SHOWN	DATE JUL 2022	SHEET SIZE A1
JOB No. BR222025	DRAWING No. C1457	REVISION A	



REVISIONS:		No.	REVISION DESCRIPTION	MP	DATE
A	ORIGINAL ISSUE			MP	22/07/22



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 ARCHITECT
 SCALE 1:100

PROJECT TITLE
PROPOSED SUBDIVISION
 174 ADARE ROAD, ADARE, QLD 4343
 STAGE 1
 DRAWING TITLE
ROAD CROSS SECTIONS
 REDBANK CREEK ROAD - SHEET 2

DRAWING STATUS			
ORIGINAL ISSUE			
NOT FOR CONSTRUCTION			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE	
DRAFTSPERSON MP	SCALE AS SHOWN	DATE JUL 2022	SHEET SIZE A1
JOB No. BR222025	DRAWING No. C1458	REVISION A	

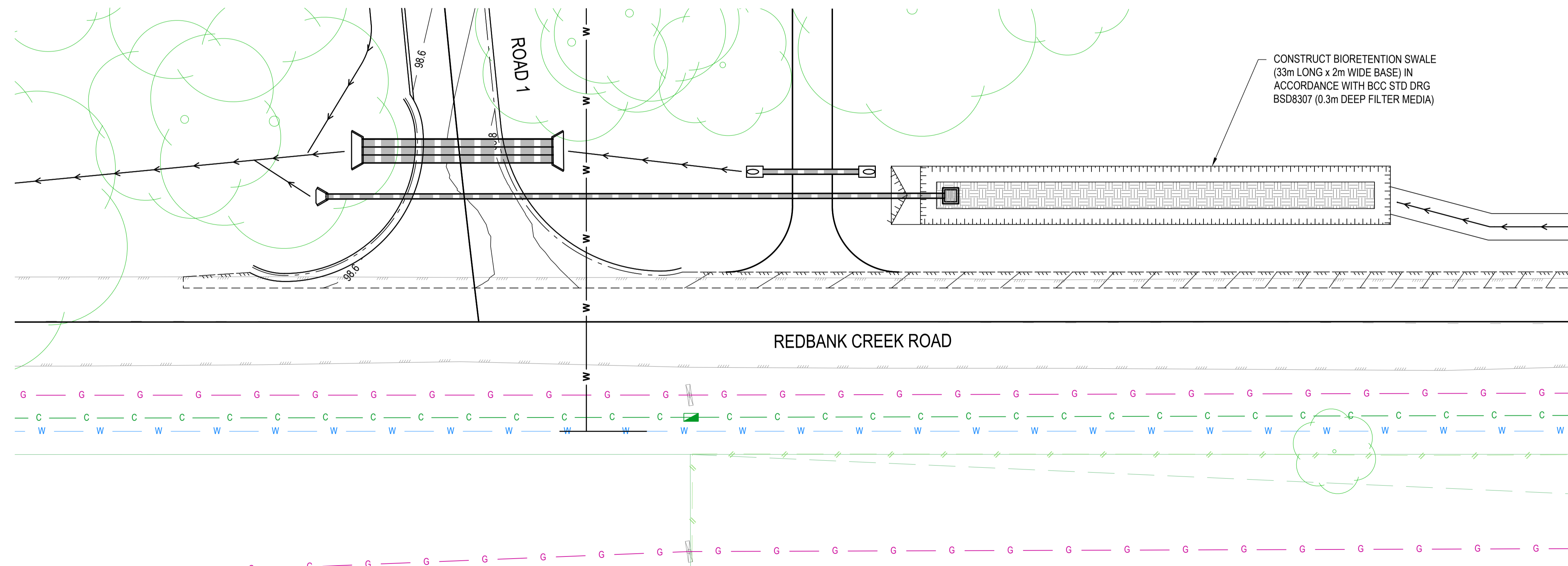
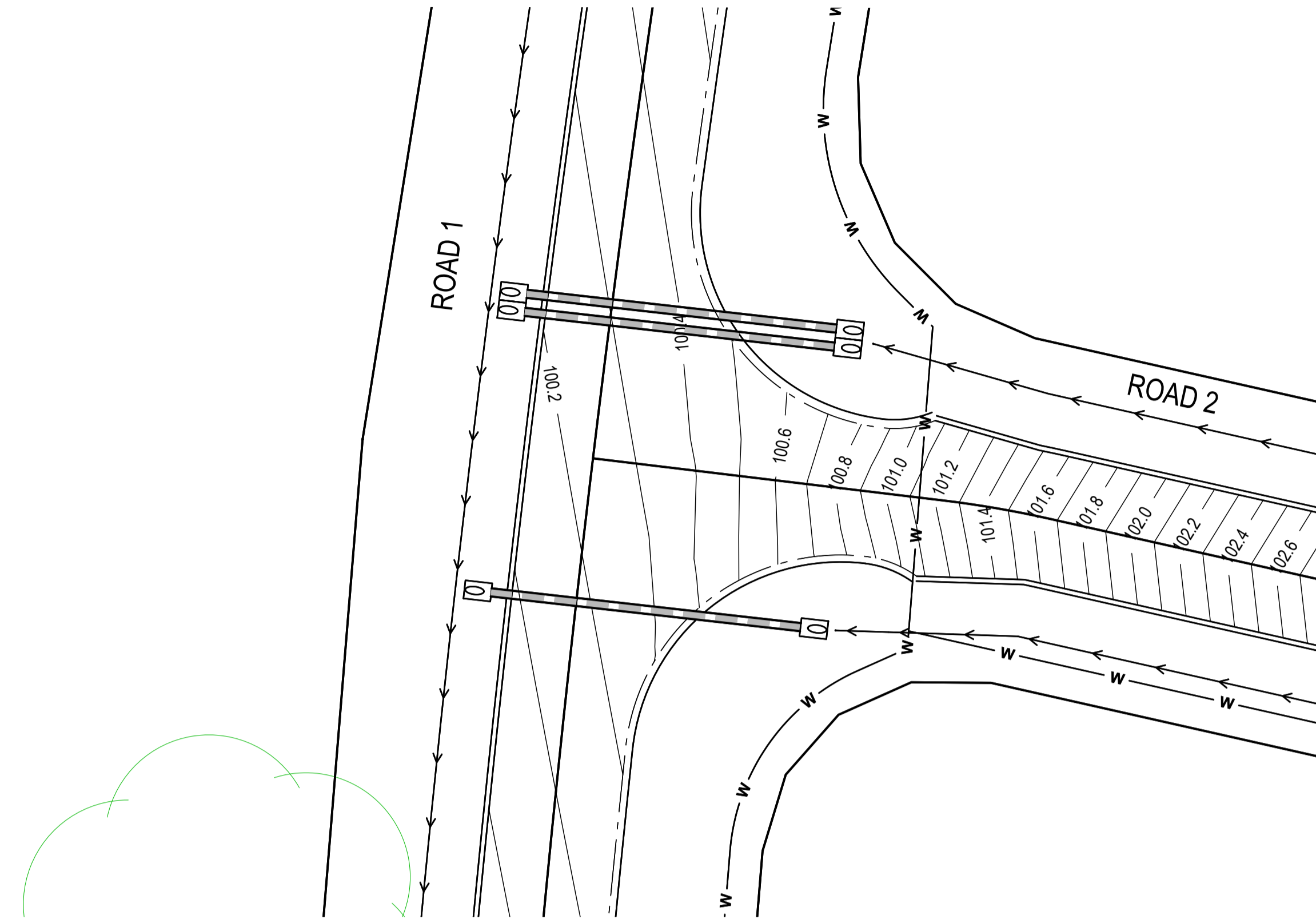
SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE (unknown dia.)	D(*)	
DRAINAGE (known dia.)	○	
ELECTRICITY	E(*)	
O/H ELECTRICITY & POLE	△	
GAS	G(*)	
WATER MAIN	W(*)	W

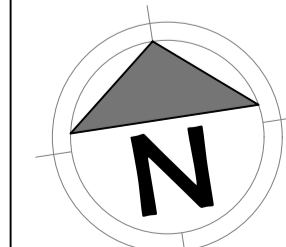
(*) - DENOTES QUALITY LEVEL AS PER A.S. 5488-2013.

LEGEND

EXISTING	PROPOSED
--- FENCE	— ROOFWATER DRAINAGE
→ OPEN DRAIN	→ OPEN DRAIN
→ DRAINAGE AG DRAIN	→ DRAINAGE AG DRAIN
— KERB AND CHANNEL	— KERB AND CHANNEL
— KERB ONLY	— MOUNTABLE KERB
— CONTOUR (0.100m)	— EDGE RESTRAINT
— ROAD EDGE BITUMEN	— MINOR CONTOUR (0.100m)
— ROAD EDGE TRACK	— MAJOR CONTOUR (1.00m)
— ROAD EDGE UNSEALED	— ROAD EDGE BITUMEN
— TOP OF BATTER	— RETAINING WALL
— BOTTOM OF BATTER	— GULLY PIT
○ TREE TO REMAIN	XXXX SPOT LEVEL
○ TREE TO BE REMOVED	— DRAINAGE
⊙ ELECTRICAL POLE & STAY	



REVISIONS:		MP	22/07/22
No.	REVISION DESCRIPTION	MP	DATE
A	ORIGINAL ISSUE		



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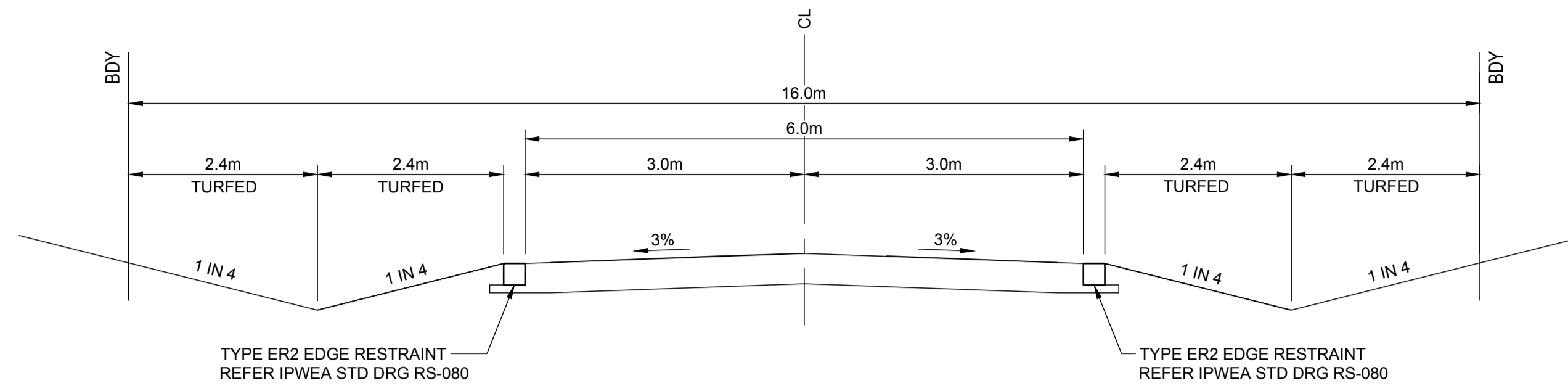
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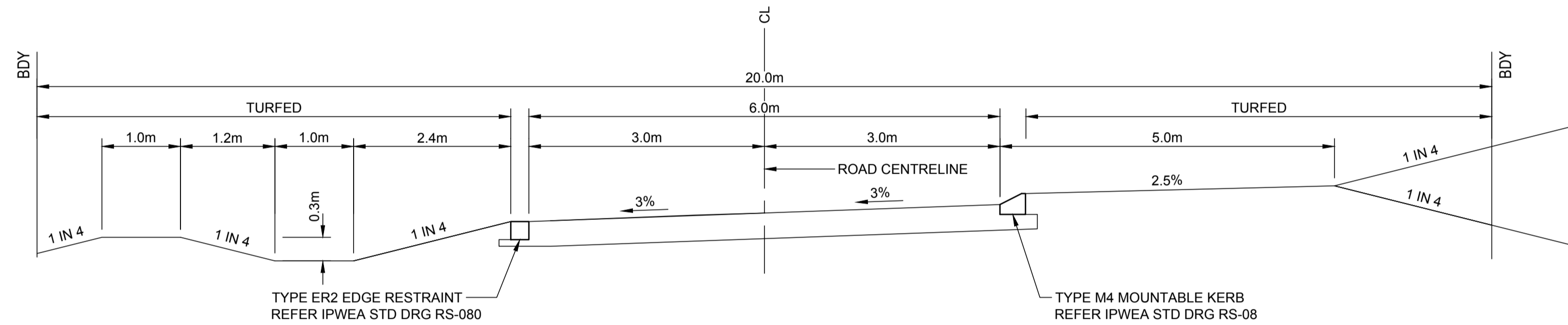
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PROJECT TITLE
PROPOSED SUBDIVISION
 174 ADARE ROAD, ADARE, QLD 4343
 STAGE 1
 DRAWING TITLE
INTERSECTION DETAILS

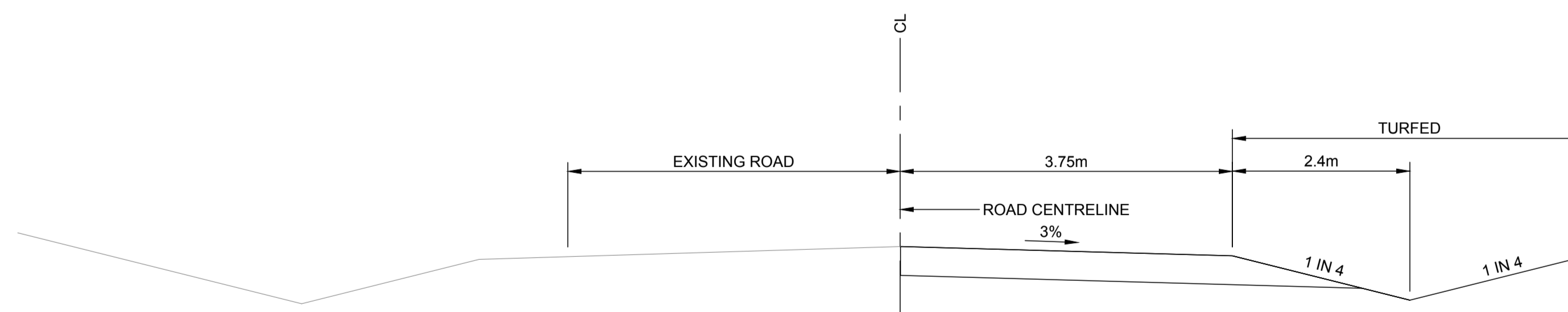
DRAWING STATUS			
ORIGINAL ISSUE			
NOT FOR CONSTRUCTION			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE	
DRAFTSPERSON MP	SCALE AS SHOWN	DATE JUL 2022	SHEET SIZE A1
JOB No. BR222025	DRAWING No. C1480	REVISION A	



ROAD TYPICAL SECTION - ROAD 2
SCALE 1:50



ROAD TYPICAL SECTION - ROAD 1
SCALE 1:50



ROAD TYPICAL SECTION - REDBANK CREEK ROAD
SCALE 1:50

REVISIONS:	
No.	REVISION DESCRIPTION
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ARCHITECT
0 1 2 3 4 5m
SCALE 1:50

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGE 1

DRAWING TITLE
ROADWORKS DETAILS

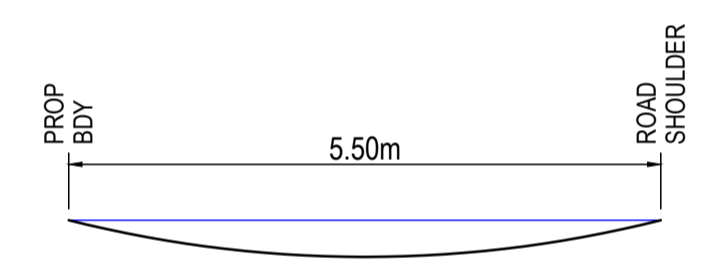
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PROJECT LEADER CK	DESIGNER MP	SIGNATURE	
DRAFTSPERSON MP	SCALE AS SHOWN	DATE JUL 2022	SHEET SIZE A1
JOB No. BR222025	DRAWING No. C1490	REVISION A	

LEGEND:

- STORMWATER CATCHMENT
- HW1/2
1.2713ha STORMWATER CATCHMENT NAME



DRIVEWAY WEIR FLOW CALCULATIONS

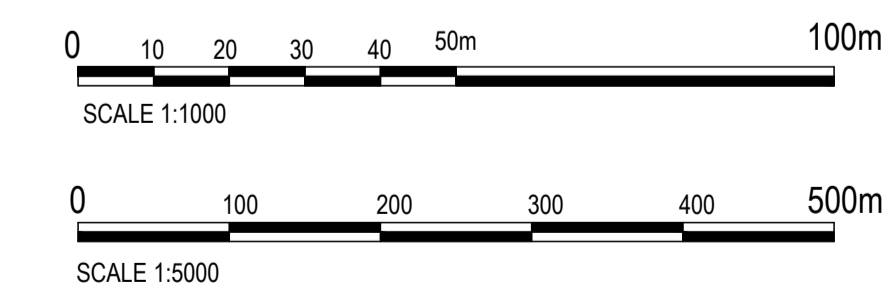


WEIR FLOW CROSSING DRIVEWAY

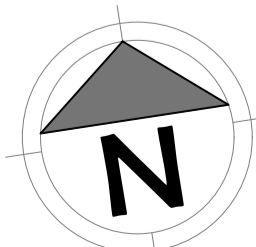
$$H = \left(\frac{Q}{CL} \right)^{0.667}$$

$$H = \left(\frac{0.55}{1.67 \times 3.67} \right)^{0.667} = 199\text{mm}$$

	Q2 FLOW	MAX WEIR FLOW	CULVERT FLOW	CULVERT SIZE FOR BLOCK PURCHASER INSTALL
LOT 110	203l/s	550l/s	200l/s	375 RCP
LOT 111	66l/s	550l/s	66l/s	375 RCP
LOT 119	642l/s	550l/s	200l/s	375 RCP
LOT 120	119l/s	550l/s	119l/s	375 RCP
LOT 121	114l/s	550l/s	114l/s	375 RCP
LOT 122	109l/s	550l/s	109l/s	375 RCP
LOT 123	104l/s	550l/s	104l/s	375 RCP
LOT 124	617l/s	550l/s	200l/s	375 RCP
LOT 125	572l/s	550l/s	200l/s	375 RCP
LOT 126	443l/s	550l/s	200l/s	375 RCP
LOT 127	141l/s	550l/s	141l/s	375 RCP
LOT 128	96l/s	550l/s	96l/s	375 RCP
LOT 129	41l/s	550l/s	41l/s	375 RCP
LOT 130	99l/s	550l/s	99l/s	375 RCP
LOT 131	99l/s	550l/s	99l/s	375 RCP
LOT 132	57l/s	550l/s	57l/s	375 RCP
LOT 144	169l/s	550l/s	169l/s	375 RCP
LOT 145	123l/s	550l/s	123l/s	375 RCP
BUSHFIRE TRAIL 1	41l/s	550l/s	41l/s	375 RCP



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A	ORIGINAL ISSUE		



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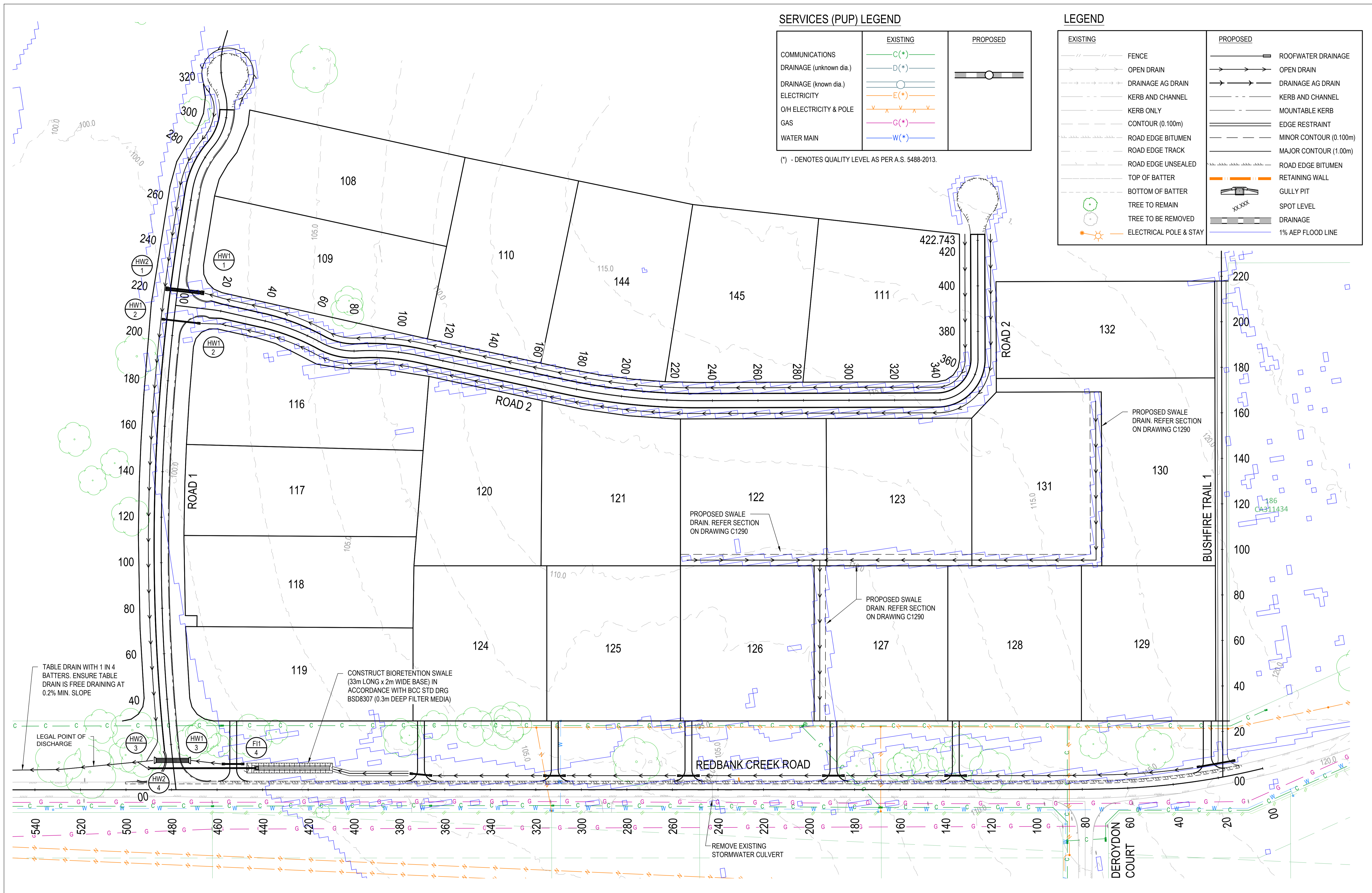
ARCHITECT

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGE 1

DRAWING TITLE
DRAINAGE CATCHMENT PLAN

DRAWING STATUS
ORIGINAL ISSUE
NOT FOR CONSTRUCTION

PROJECT LEADER CK	DESIGNER MP	SIGNATURE
DRAFTSPERSON MP	SCALE AS SHOWN	DATE JUL 2022
JOB No. BR222025	DRAWING No. C1500	SHEET SIZE A1
		REVISION A



SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE (unknown dia.)	D(*)	
DRAINAGE (known dia.)	○	
ELECTRICITY	E(*)	
O/H ELECTRICITY & POLE	⋈	
GAS	G(*)	
WATER MAIN	W(*)	

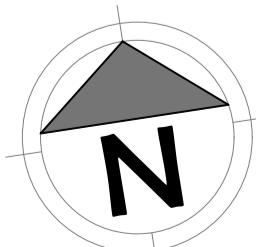
(*) - DENOTES QUALITY LEVEL AS PER A.S. 5488-2013.

LEGEND

EXISTING	PROPOSED
--- FENCE	--- ROOFWATER DRAINAGE
--- OPEN DRAIN	--- OPEN DRAIN
--- DRAINAGE AG DRAIN	--- DRAINAGE AG DRAIN
--- KERB AND CHANNEL	--- KERB AND CHANNEL
--- KERB ONLY	--- MOUNTABLE KERB
--- CONTOUR (0.100m)	--- EDGE RESTRAINT
--- ROAD EDGE BITUMEN	--- MINOR CONTOUR (0.100m)
--- ROAD EDGE TRACK	--- MAJOR CONTOUR (1.00m)
--- ROAD EDGE UNSEALED	--- ROAD EDGE BITUMEN
--- TOP OF BATTER	--- RETAINING WALL
--- BOTTOM OF BATTER	--- GULLY PIT
○ TREE TO REMAIN	xxx SPOT LEVEL
○ TREE TO BE REMOVED	--- DRAINAGE
○ ELECTRICAL POLE & STAY	--- 1% AEP FLOOD LINE

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No.	REVISION DESCRIPTION	MP	DATE
A	ORIGINAL ISSUE	MP	22/07/22



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PROJECT TITLE
PROPOSED SUBDIVISION
 174 ADARE ROAD, ADARE, QLD 4343
 STAGE 1
 DRAWING TITLE
DRAINAGE PLAN

DRAWING STATUS
ORIGINAL ISSUE
 NOT FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	

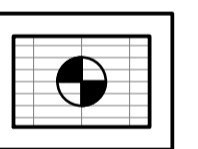
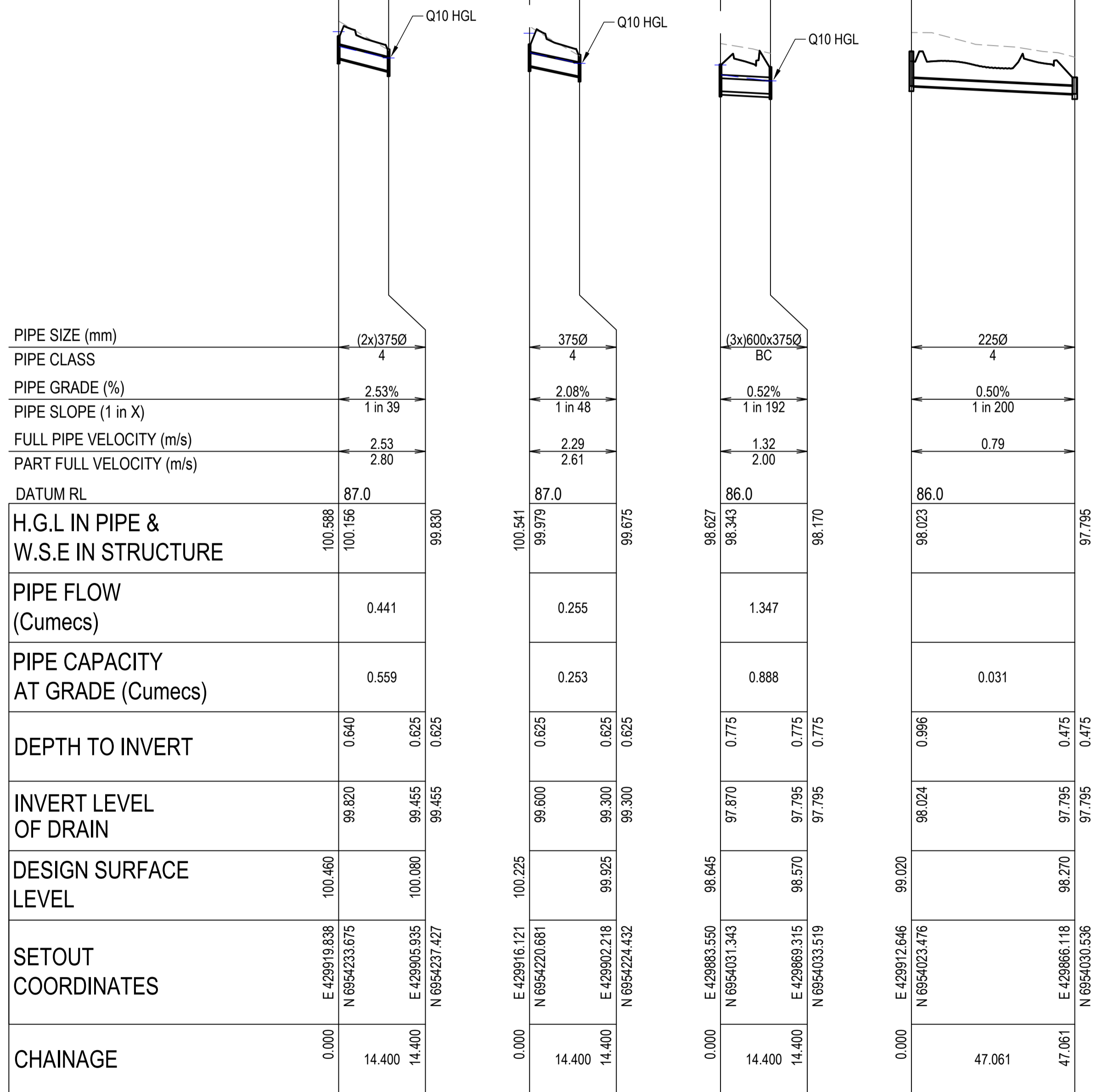
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	JUL 2022	A1

JOB No.	DRAWING No.	REVISION
BR222025	C1501	A

STRUCTURE NAME	HW1/1	HW2/1
STRUCTURE DESCRIPTION	CONCRETE SLOPED HEADWALL	CONCRETE SLOPED HEADWALL

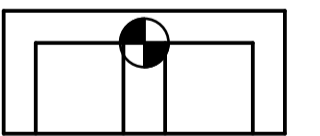
ALL PIPEWORK TO BE FIBRE REINFORCED CONCRETE TO THE SIZES NOMINATED.

ALL BEDDING AND BACKFILLING OF PIPE TRENCHES AS PER IPWEAQ STANDARD DRAWING DS-030



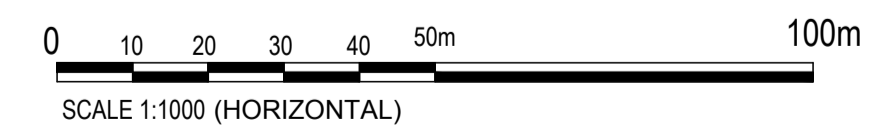
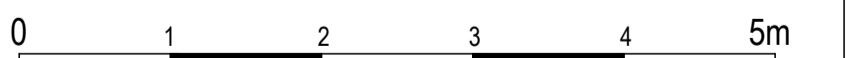
TYPICAL FIELD INLET SETOUT
SCALE 1:50

● DENOTES SETOUT POINT



TYPICAL HEADWALL SETOUT
SCALE 1:50

● DENOTES SETOUT POINT



REVISIONS:	No.	REVISION DESCRIPTION	MP	DATE
A	1	ORIGINAL ISSUE	MP	22/07/22



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ARCHITECT

PROJECT TITLE
PROPOSED SUBDIVISION
 174 ADARE ROAD, ADARE, QLD 4343
 STAGE 1

DRAWING TITLE
DRAINAGE LONGITUDINAL SECTIONS
 SHEET 1

DRAWING STATUS
ORIGINAL ISSUE
 NOT FOR CONSTRUCTION

PROJECT LEADER CK	DESIGNER MP	SIGNATURE
DRAFTSPERSON MP	SCALE AS SHOWN	DATE JUL 2022
JOB No. BR222025	DRAWING No. C1550	SHEET SIZE A1 REVISION A

STRUCTURE No.	CATCHMENT CONTRIBUTING	DRAIN SECTION	SUB-CATCHMENT TIME OF CONC.	RAINFALL INTENSITY	CO. EFFICIENCY OF RUNOFF	SUB-CATCHMENT AREA	EQUIVALENT AREA	SUB-CATCHMENT DISCHARGE	FLOW IN N&C (INC. BYPASS)	HALF ROAD CAPACITY	FLOW WIDTH	FLOW DEPTH	FLOW DVY	ROAD GRADE AT INLET	ROAD SLOPE AT INLET	INLET TYPE	BLOCKAGE FACTOR	INLET CURVE	FLOW INTO INLET	BYPASS FLOW	BYPASS STRUCTURE No.	CRITICAL TIME OF CONC.	RAINFALL INTENSITY	TOTAL (C x A)	PEAK FLOW	PIPE FLOW	REACH LENGTH	PIPE GRADE	PIPE SIZE	FULL PIPE VELOCITY	CAPACITY FLOW	CAPACITY VELOCITY	TRAVEL VELOCITY	CHART(S) USED	VELOCITY HEAD	U/S HEAD LOSS COEFFICIENT	U/S HEAD LOSS	W.S.E. COEFFICIENT	CHANGE IN W.S.E	PIPE FRICTION SLOPE	PIPE FRICTION HEAD LOSS	NORMAL DEPTH	NORMAL DEPTH VEL.	PIPE U/S I.L	PIPE U/S I.L	PIPE U/S H.G.L	PIPE U/S H.G.L	W.S.E	SURFACE LEVEL	FREEBORD	STRUCTURE No.					
			min	mm/h		ha	ha	L/s	L/s	L/s	m	m	m ² /s	%	%			L/s	L/s		min	mm/hr	ha	L/s	L/s	m	%	mm	m/s	L/s	m/s	m/s		m		m	m	m	m	m	m	m	m	m	m	m	m	m								
HW1/1	HW1/1	HW1/1 to HW2/1	21.34311	105.5348	0.6	2.509359	1.505615	441.3743	441.3743						40.60919	CONCRETE HEADWALL	0.8		441.3743			21.34311	105.5348	1.505615	441.3743	441.3743	14.39996	2.534729	(2x)375	1.998134	558.5175	2.52845		2	Inlet Control	0.203701	2.118758	0.431593			0.431593	2.264325	0.350462	0.251544	2.801865	99.82	99.455	100.1561	99.83	100.5877	100.695	0.107345	HW1/1			
HW2/1	HW2/1															CONCRETE HEADWALL																													99.83	100.08			HW2/1							
HW1/2	HW1/2	HW1/2 to HW2/2	16.50136	120.1956	0.6	1.271346	0.762808	254.6838	254.6838						36.8048	CONCRETE HEADWALL	0.8		254.6838			16.50136	120.1956	0.762808	254.6838	254.6838	14.39996	2.083339	375	2.305945	253.1751	2.292285	2	Inlet Control	0.271295	2.074682	0.562851			0.562851	2.108243	0.303586	0.309583	2.611493	99.6	99.3	99.97859	99.675	100.5414	100.57	0.028563	HW1/2				
HW2/2	HW2/2															CONCRETE HEADWALL																													99.675	99.925			HW2/2							
HW1/3	HW1/3	HW1/3 to HW2/3	26.83306	92.54386	0.6	8.736393	5.241836	1347.499	1347.499						23.44011	CONCRETE HEADWALL	0.8		1347.499			26.83306	92.54386	5.241836	1347.499	1347.499	14.40005	0.520831	3x)600x375	1.996297	888.124	1.315741	2	Outlet Control	0.203327	1.4	0.284657			0.284657	1.198967	0.172652	0.375	1.996297	97.87	97.795	98.34265	98.17	98.62731	100	1.372691			HW1/3		
HW2/3	HW2/3															CONCRETE HEADWALL																													98.17	98.57			HW2/3							
F11/4	F11/4	F11/4 to HW2/4														900 x 900 FIELD INLET	0.5					5	182				47.06056	0.486607	225		31.26678	0.786372	2	Inlet Control														98.024	97.795	98.023	97.795	98.023	99.02	0.997		F11/4
HW2/4	HW2/4															CONCRETE HEADWALL																														97.795	98.27			HW2/4						

STORMWATER CALCULATIONS TABLE (Q10)

REVISIONS:	
No.	REVISION DESCRIPTION
A	ORIGINAL ISSUE




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PO BOX 4107 SPRINGFIELD QLD 4300

ARCHITECT

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGE 1

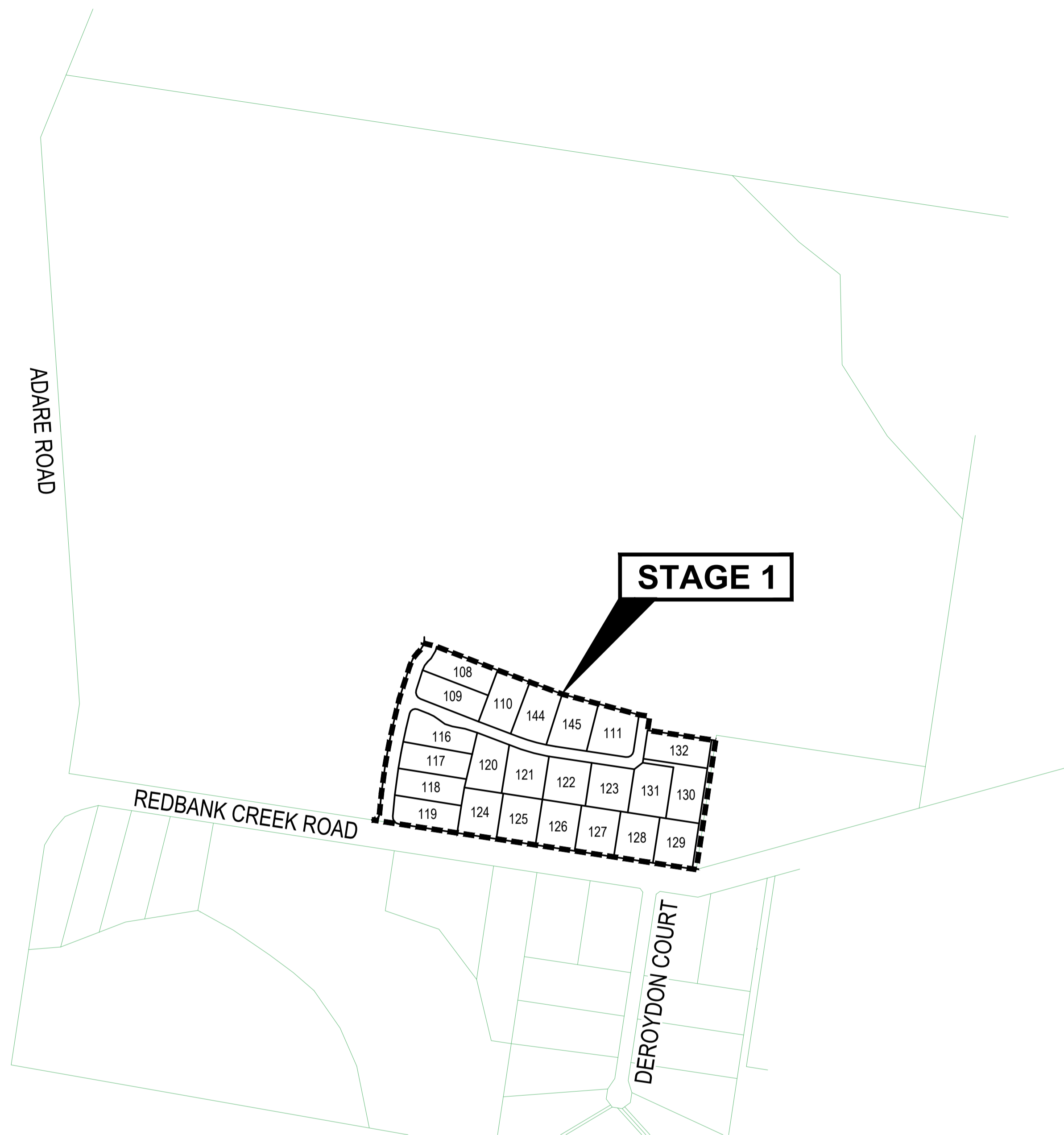
DRAWING TITLE
DRAINAGE CALCULATIONS

DRAWING STATUS
ORIGINAL ISSUE
NOT FOR CONSTRUCTION

PROJECT LEADER: CK, DESIGNER: MP, SIGNATURE: [Signature]

DRAFTSPERSON: MP, SCALE: AS SHOWN, DATE: JUL 2022, SHEET SIZE: A1

JOB No: BR222025, DRAWING No: C1560, REVISION: A



LOCALITY PLAN
SCALE 1:5000

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH EAST QUEENSLAND WATER SUPPLY CODE SPECIFICATIONS AND STANDARDS.
2. UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
3. ADOPT LIP OF KERB OR SHOULDER OF ROAD AS PERMANENT LEVEL.
4. COVER ON MAINS FROM PERMANENT LEVEL TO BE AS SHOWN IN SEQ-WAT-1200-2.
5. CONDUITS TO BE INSTALLED IN ACCORDANCE WITH THE STANDARD DRAWINGS.
6. A WATER METER SUPPLIED AT THE DEVELOPER'S COST, IS TO BE INSTALLED AT THE SERVICE POINT OF EACH LOT IN ACCORDANCE WITH THE STANDARD DRAWING FOR THE SEQ-SP.
7. ALL MATERIALS USED IN THE WORKS SHALL COMPLY WITH THE SEQ-SP'S ACCEPTED PRODUCTS AND MATERIALS LIST OR BE APPROPRIATELY SHOWN, LISTED AND DEFINED IN THE ENGINEERING SUBMISSION SO THAT THE ALTERNATIVE PRODUCT OR MATERIAL CAN BE ASSESSED AND IF APPROPRIATE, APPROVED BY THE SEQ-SP.
8. ALL CONCRETE FOOTPATHS TO BE CLEAR OF WATER MAINS.
9. TEST/CHLORINATION POINTS TO BE INSTALLED IN ACCORDANCE WITH STANDARD DRAWING NO. SEQ-WAT-1410-1.
10. THE CONSTRUCTION OF THE WATER RETICULATION WORK SHOWN ON THIS DRAWING MUST BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT TO THE RETICULATION SYSTEM.
11. WATER MAIN ROAD CROSSING AND VALVE PAVEMENT MARKERS TO BE INSTALLED AS PER SEQ-WAT-1300-1.

VEGETATION PROTECTION

1. TREES LOCATED ALONG THE FOOTPATH SHALL BE, TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
2. WHEN WORKING WITHIN 4m OF TREES, RUBBER OR HARDWOOD GIRDLES SHALL BE CONSTRUCTED WITH 1.8m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES SHALL BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN UNTIL COMPLETION.
3. TREE ROOTS SHALL BE TUNNELLED UNDER, RATHER THAN SEVERED. IF ROOTS ARE SEVERED THE DAMAGED AREA SHALL BE TREATED WITH A SUITABLE FUNGICIDE. CONTACT RELEVANT COUNCIL ARBORIST FOR FURTHER ADVICE.
4. ANY TREE LOPPING REQUIRED SHOULD BE UNDERTAKEN BY AN APPROVED ARBORIST.

SOIL

1. TOPSOIL AND SUBSOIL SHALL BE STOCKPILED SEPARATELY.
2. CARE SHALL BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.
3. IF ACID SULPHATE SOILS EXIST IN THE WORKS AREA THE OUTPUTS FROM THE RISK ASSESSMENT BASED ON THE QUEENSLAND ACID SULPHATE SOIL TECHNICAL MANUAL SHALL BE ADHERED TO.

REHABILITATION

1. PRE-DISTURBANCE SOIL PROFILES AND COMPACTION LEVELS SHALL BE REINSTATED.
2. PRE-DISTURBANCE VEGETATION PATTERNS SHALL BE RESTORED.
3. ALL DISTURBED AREAS ASSOCIATED WITH CONSTRUCTION SHALL BE REHABILITATED. HEAVILY COMPACTED AREAS SHOULD BE RIPPED PRIOR TO TREATMENT
4. ALL DISTURBED AREAS ARE TO BE LEFT IN STABLE CONDITION.
5. ALL PLANTING/RE-VEGETATION WILL NEED TO BE MAINTAINED THROUGHOUT THE MAINTENANCE PERIOD.
6. TRENCH REINSTATEMENT IS TO BE UNDERTAKEN IN ACCORDANCE WITH SEQ STANDARD REQUIREMENTS FOR EMBEDMENT AND TRENCH FILL. STANDARD DRAWINGS HAVE BEEN NOTED ON THIS PLAN.

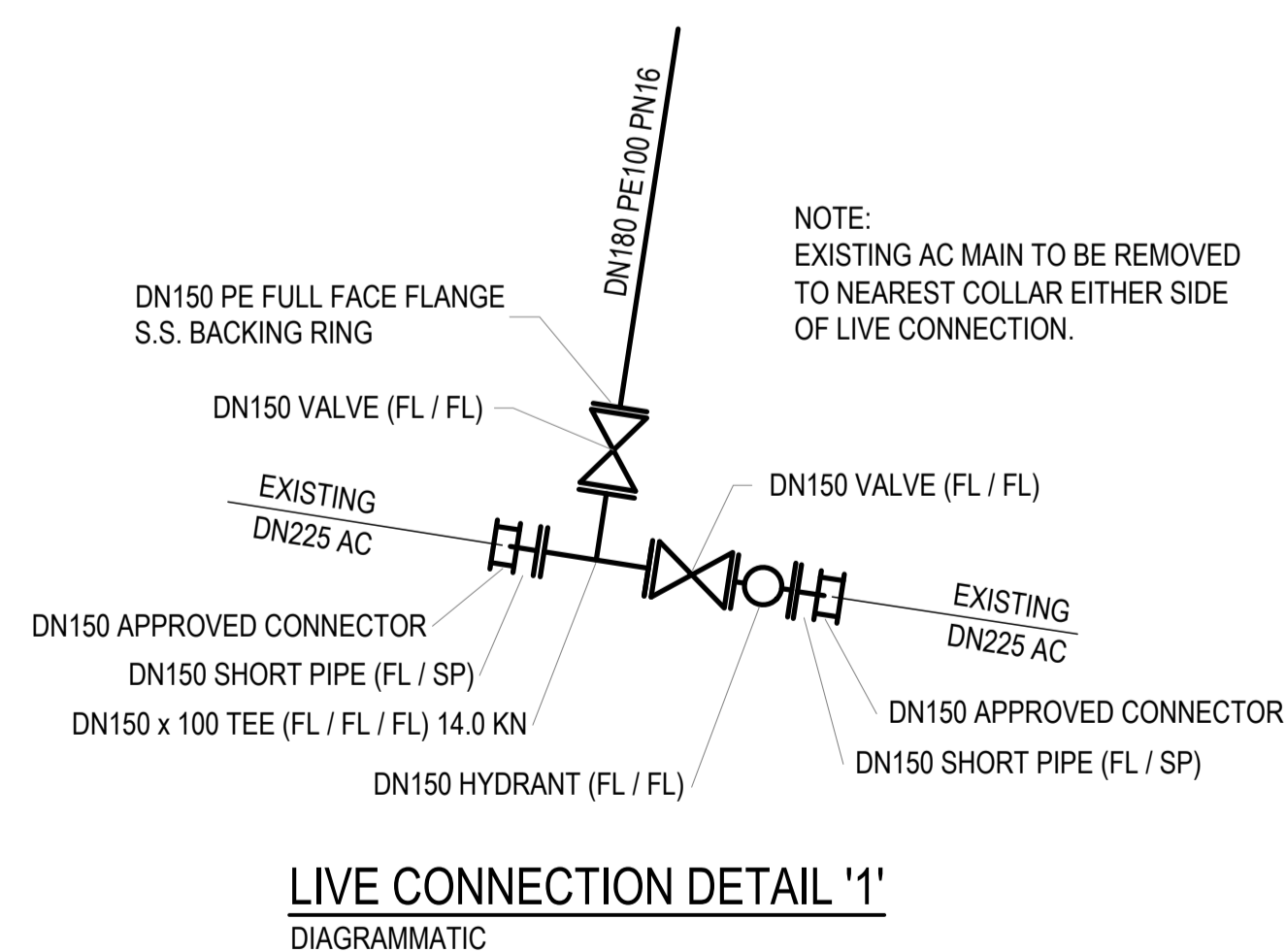
ALL ENVIRONMENTAL PROTECTION MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY CONSTRUCTION WORK, INCLUDING CLEARING COMMENCING.

ALL WATER AND SEWER CONSTRUCTION WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORKPLACE HEALTH AND SAFETY ACT 2011.

CONTACT THE DIVISION OF WORKPLACE HEALTH AND SAFETY FOR INFORMATION PHONE : 1300 362 128

SEQ CODE STANDARD DRAWING SCHEDULE

SOIL CLASSIFICATION	SEQ-WAT-1200-1
EMBEDMENT AND TRENCH FILL	SEQ-WAT-1200-2
THRUST BLOCK DETAILS	SEQ-WAT-1205-1
VALVE THRUST BLOCKS	SEQ-WAT-1206-1
IDENTIFICATION MARKERS	SEQ-WAT-1300-1,2



LIVE CONNECTION DETAIL '1'
DIAGRAMMATIC

VALVE MARKERS, HYDRANT MARKERS AND PAVEMENT MARKINGS ARE TO BE INSTALLED/REINSTATED IN ACCORDANCE WITH SEQ-WAT-1300-1

AS CONSTRUCTED
AS CONSTRUCTED DOCUMENTATION IS TO BE PROVIDED IN ACCORDANCE WITH REQUIREMENTS AS SPECIFIED IN THE SEQ D&C CODE INCLUSIVE OF FULL ADAC COMPLAINT SURVEY

LIVE WORKS CONNECTION 1

STREET : REDBANK CREEK ROAD
 INSTALLATION : CUT IN TO EXISTING MAIN
 TYPE OF MAIN : EXISTING DN225 AC
 DATE COMMENCED : _____ DATE COMPLETED : _____
 SIGNATURE : _____

LIVE WORKS CONNECTIONS 2, 3 AND 4

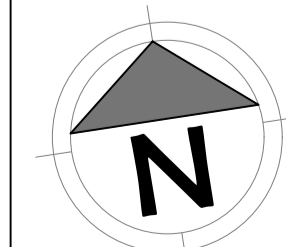
STREET : REDBANK CREEK ROAD
 INSTALLATION : TAPPING BAND
 TYPE OF MAIN : EXISTING DN225 AC
 DATE COMMENCED : _____ DATE COMPLETED : _____
 SIGNATURE : _____

LIVE WORKS CONNECTIONS 5, 6, 7, 8, 9 AND 10

STREET : REDBANK CREEK ROAD
 INSTALLATION : FIRE HYDRANT
 TYPE OF MAIN : EXISTING DN225 AC
 DATE COMMENCED : _____ DATE COMPLETED : _____
 SIGNATURE : _____

REVISIONS:

No.	REVISION DESCRIPTION	MP	DATE
A	ORIGINAL ISSUE	MP	22/07/22



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 ARCHITECT
 0 100 200 300 400 500m
 SCALE 1:5000

PROJECT TITLE
PROPOSED SUBDIVISION
 174 ADARE ROAD, ADARE, QLD 4343
 STAGE 1
 DRAWING TITLE
WATER RETICULATION COVER SHEET

DRAWING STATUS
ORIGINAL ISSUE
 NOT FOR CONSTRUCTION

PROJECT LEADER CK	DESIGNER MP	SIGNATURE
DRAFTSPERSON MP	SCALE AS SHOWN	DATE JUL 2022
JOB No. BR222025	DRAWING No. C1600	SHEET SIZE A1
		REVISION A

SYMBOLS LEGEND

- PROPOSED FIRE HYDRANT FH ●
- PROPOSED VALVE FH X
- PROPOSED SCOUR VALVE FH *
- PROPOSED DEAD END FH J
- PROPOSED REDUCER FH >
- PROPOSED CONNECTOR FH =
- PROPOSED WATER METER FH X
- EXISTING FH FH ○
- EXISTING VALVE FH X
- EXISTING SCOUR FH *
- EXISTING DEADEND FH J
- EXISTING REDUCER FH >
- EXISTING ZONE VALVE FH ⊗
- EXISTING WATER METER FH X
- DISUSED FH FH ●
- DISUSED VALVE FH X
- DISUSED SCOUR FH *
- DISUSED METER FH X

ABBREVIATION LEGEND

- AC - ASBESTOS CEMENT
- CICL - CAST IRON CEMENT LINED
- CISL - CAST IRON SPUN LINED
- CR - CONCRETE REINFORCED
- CTS - CUT TO SUIT
- CUR - CONCRETE UN-REINFORCED
- DF - DOUBLE FLANGE
- DI - DUCTILE IRON
- DICL - DUCTILE IRON CEMENT LINED
- DS - DOUBLE SOCKET
- DSP - DOUBLE SPIGOT
- EW - EARTHENWARE
- FH - FIRE HYDRANT
- F&S - FLANGE & SOCKET
- F&SP - FLANGE & SPIGOT
- RTS - ROTATE TO SUIT
- S&SP - SOCKET & SPIGOT

SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE (unknown dia.)	D(*)	
DRAINAGE (known dia.)		
ELECTRICITY AND PILLAR	E(*)	
O/H ELECTRICITY & POLE		
GAS	G(*)	
WATER	W(*)	W

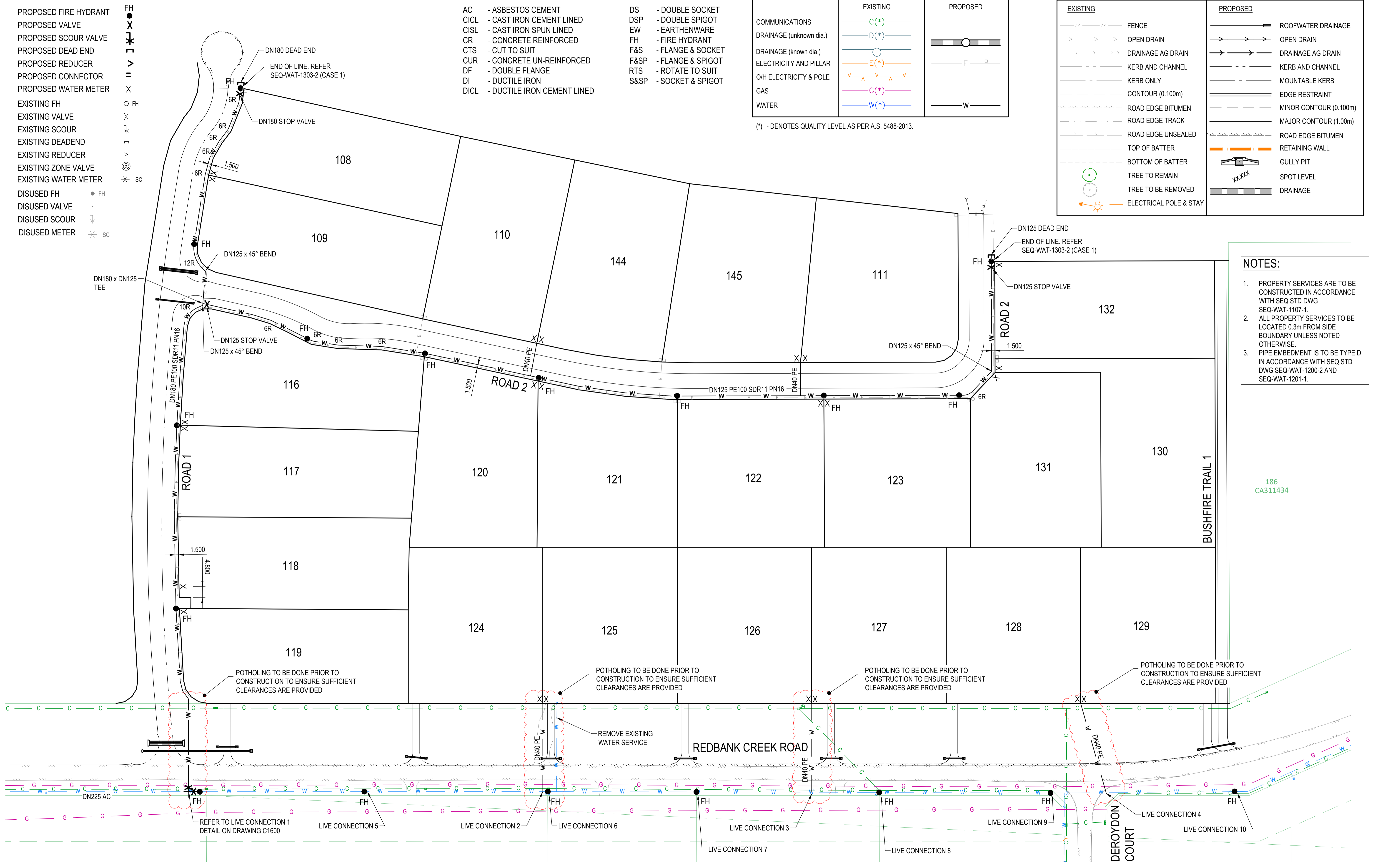
(*) - DENOTES QUALITY LEVEL AS PER A.S. 5488-2013.

LEGEND

EXISTING	PROPOSED
--- FENCE	--- ROOFWATER DRAINAGE
--- OPEN DRAIN	--- OPEN DRAIN
--- DRAINAGE AG DRAIN	--- DRAINAGE AG DRAIN
--- KERB AND CHANNEL	--- KERB AND CHANNEL
--- KERB ONLY	--- MOUNTABLE KERB
--- CONTOUR (0.100m)	--- EDGE RESTRAINT
--- ROAD EDGE BITUMEN	--- MINOR CONTOUR (0.100m)
--- ROAD EDGE TRACK	--- MAJOR CONTOUR (1.00m)
--- ROAD EDGE UNSEALED	--- ROAD EDGE BITUMEN
--- TOP OF BATTER	--- RETAINING WALL
--- BOTTOM OF BATTER	--- GULLY PIT
○ TREE TO REMAIN	XXXX SPOT LEVEL
○ TREE TO BE REMOVED	--- DRAINAGE
○ ELECTRICAL POLE & STAY	

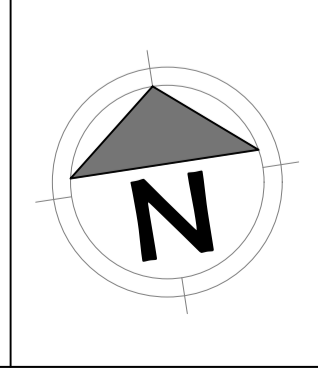
NOTES:

- PROPERTY SERVICES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH SEQ STD DWG SEQ-WAT-1107-1.
- ALL PROPERTY SERVICES TO BE LOCATED 0.3m FROM SIDE BOUNDARY UNLESS NOTED OTHERWISE.
- PIPE EMBEDMENT IS TO BE TYPE D IN ACCORDANCE WITH SEQ STD DWG SEQ-WAT-1200-2 AND SEQ-WAT-1201-1.



REVISIONS:

No.	REVISION DESCRIPTION	MP	DATE
A	ORIGINAL ISSUE	MP	22/07/22



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ARCHITECT
 SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
 174 ADARE ROAD, ADARE, QLD 4343
 STAGE 1

DRAWING TITLE
WATER RETICULATION PLAN

DRAWING STATUS
ORIGINAL ISSUE
 NOT FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	

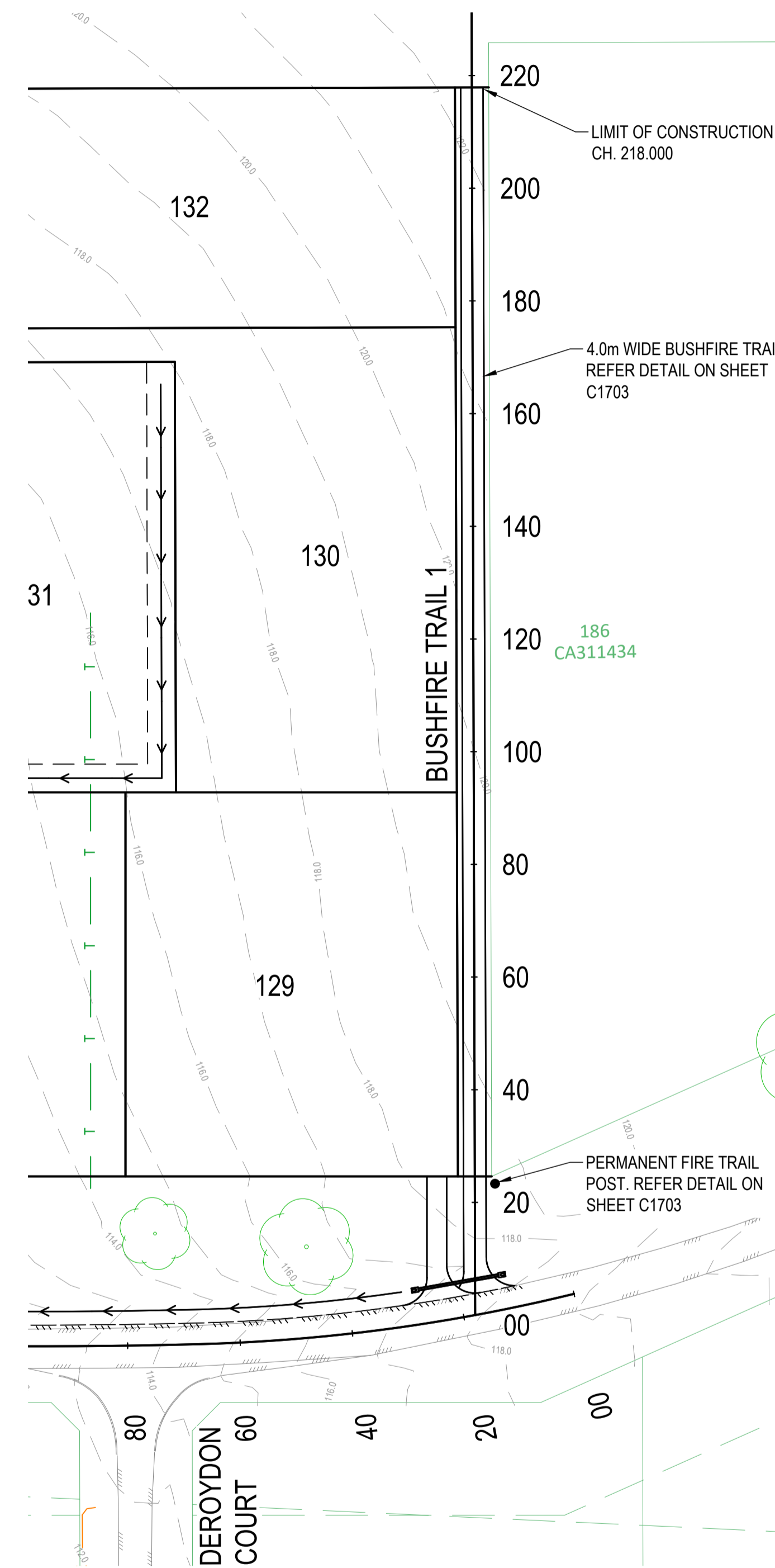
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	JUL 2022	A1

JOB No.	DRAWING No.	REVISION
BR222025	C1601	A

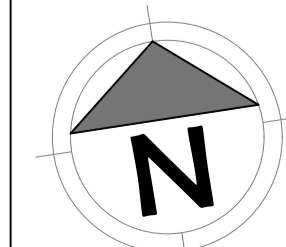
186
CA311434

LEGEND

EXISTING	PROPOSED
FENCE	ROOFWATER DRAINAGE
OPEN DRAIN	OPEN DRAIN
DRAINAGE AG DRAIN	DRAINAGE AG DRAIN
KERB AND CHANNEL	KERB AND CHANNEL
KERB ONLY	MOUNTABLE KERB
CONTOUR (0.100m)	EDGE RESTRAINT
ROAD EDGE BITUMEN	MINOR CONTOUR (0.100m)
ROAD EDGE TRACK	MAJOR CONTOUR (1.00m)
ROAD EDGE UNSEALED	ROAD EDGE BITUMEN
TOP OF BATTER	RETAINING WALL
BOTTOM OF BATTER	GULLY PIT
TREE TO REMAIN	SPOT LEVEL
TREE TO BE REMOVED	DRAINAGE
ELECTRICAL POLE & STAY	



REVISIONS:			
No.	ORIGINAL ISSUE	REVISION DESCRIPTION	DATE
A	ORIGINAL ISSUE		22/07/22



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ARCHITECT

SCALE 1:500

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGE 1

DRAWING TITLE
BUSHFIRE TRAIL PLAN

DRAWING STATUS			
ORIGINAL ISSUE NOT FOR CONSTRUCTION			
PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	JUL 2022	A1
JOB No.	DRAWING No.	REVISION	
BR222025	C1700	A	

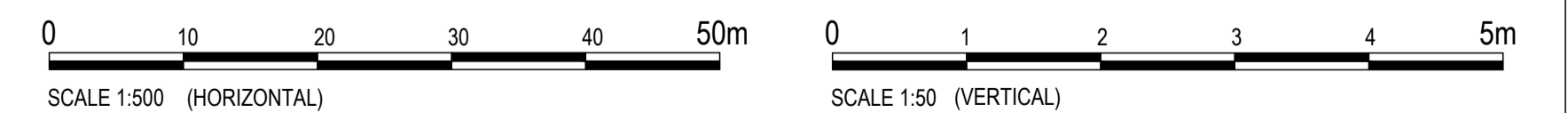


Horizontal Curve Data

Vertical Geometry Grade (%)
 Vertical Grade Length (m)
 Vertical Curve Length (m)
 Vertical Curve Radius (m)
 DATUM RL 111.000

NATURAL SURFACE LEVELS	117.924	117.613	117.233	117.231	117.539	118.312	118.440	118.495	118.611	118.825	118.900	119.042	119.235	119.295	119.651	119.971	119.990	120.164	120.200	120.199	120.193	120.311	120.387	120.535	120.888	121.217	121.336	121.404	121.692	121.887	122.366	122.851
CUT/FILL DEPTH		0.000	0.213	0.216	0.070	-0.196	-0.173	-0.043	0.032	0.019	0.026	0.025	0.027	0.031	0.038	0.062	0.060	0.021	0.078	0.086	0.134	0.124	0.106	0.099	0.070	0.067	0.108	0.125	0.088	0.061	0.090	0.060
DESIGN SURFACE LEVELS		117.613	117.447	117.447	117.609	118.116	118.268	118.452	118.643	118.843	118.926	119.066	119.262	119.326	119.688	120.032	120.050	120.184	120.278	120.284	120.327	120.436	120.493	120.633	120.958	121.284	121.444	121.529	121.780	121.948	122.456	122.911
CHAINAGE	0.000	3.802	7.802	7.827	11.802	18.000	20.000	23.000	28.000	36.458	40.000	46.458	56.458	60.000	80.000	99.000	100.000	109.000	119.000	120.000	126.611	136.611	140.000	146.611	160.000	173.429	180.000	183.429	193.429	200.000	220.000	237.888

LONGITUDINAL SECTION - BUSHFIRE TRIAL 1
 HORIZONTAL SCALE 1:500
 VERTICAL SCALE 1:50



REVISIONS:	
No.	REVISION DESCRIPTION
A	ORIGINAL ISSUE

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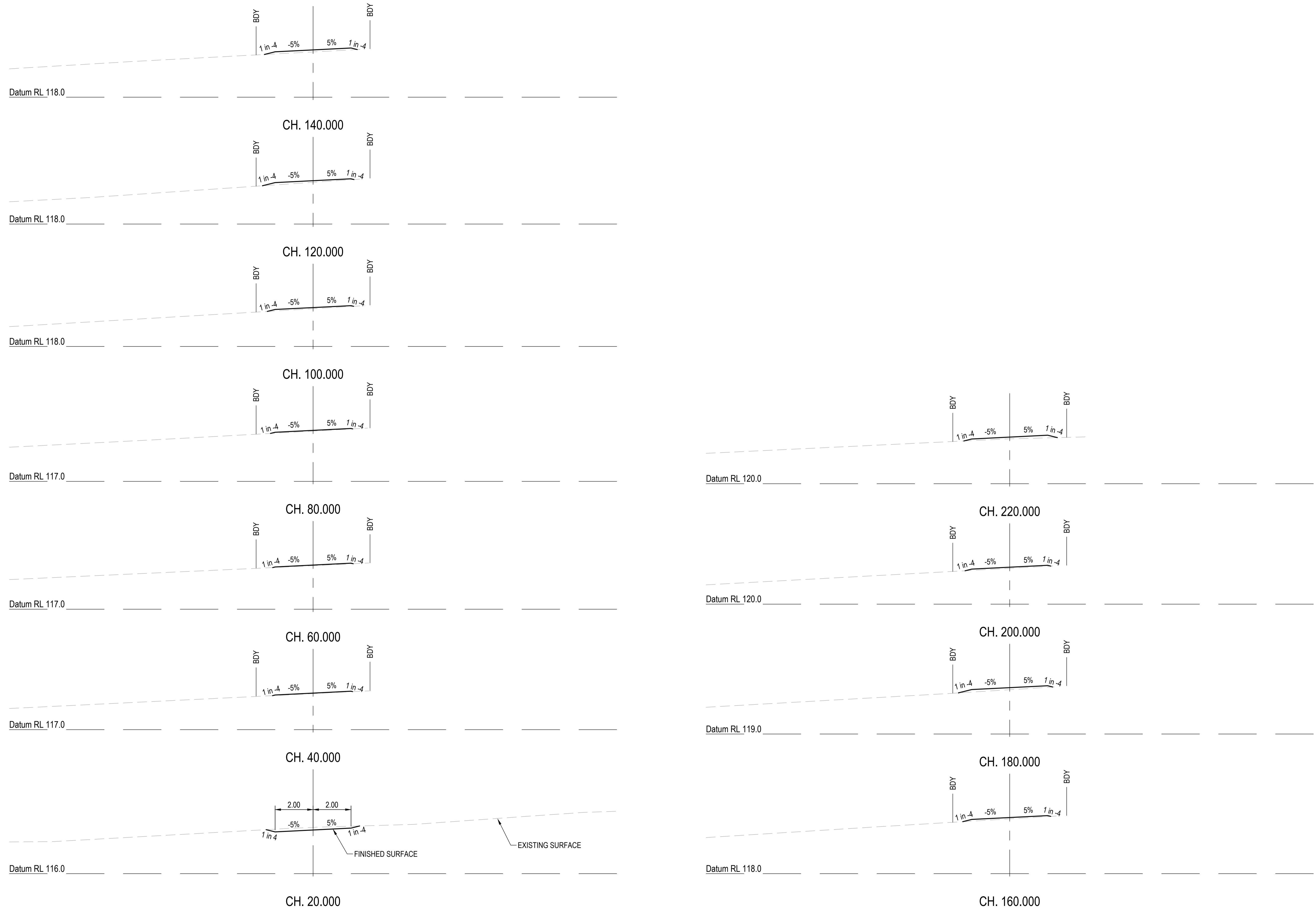
ARCHITECT

PROJECT TITLE
PROPOSED SUBDIVISION
 174 ADARE ROAD, ADARE, QLD 4343
 STAGE 1

DRAWING TITLE
**BUSHFIRE TRIAL
 LONGITUDINAL SECTION**

DRAWING STATUS
ORIGINAL ISSUE
 NOT FOR CONSTRUCTION

PROJECT LEADER CK	DESIGNER MP	SIGNATURE
DRAFTSPERSON MP	SCALE AS SHOWN	DATE JUL 2022
JOB No. BR222025	DRAWING No. C1701	SHEET SIZE A1
		REVISION A



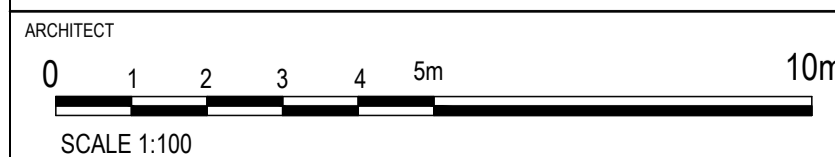
REVISIONS:			
No.	REVISION DESCRIPTION	MP	DATE
A	ORIGINAL ISSUE	MP	22/07/22



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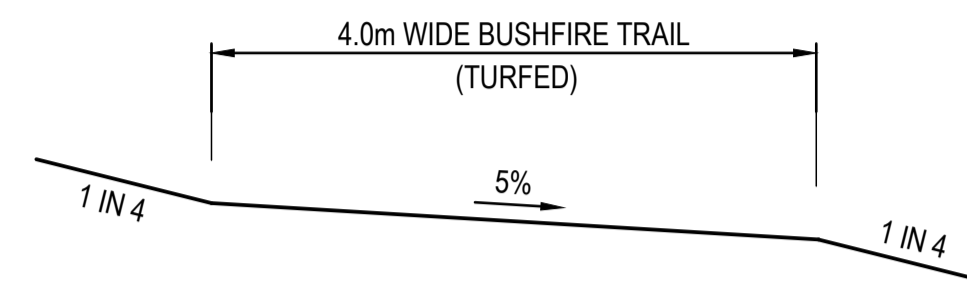


PROJECT TITLE
PROPOSED SUBDIVISION
 174 ADARE ROAD, ADARE, QLD 4343
 STAGE 1

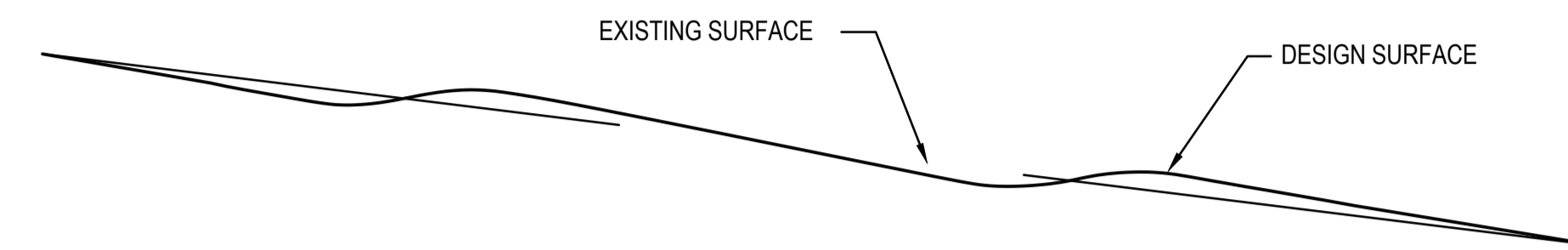
DRAWING TITLE
**BUSHFIRE TRAIL
 CROSS SECTIONS**

DRAWING STATUS
ORIGINAL ISSUE
 NOT FOR CONSTRUCTION

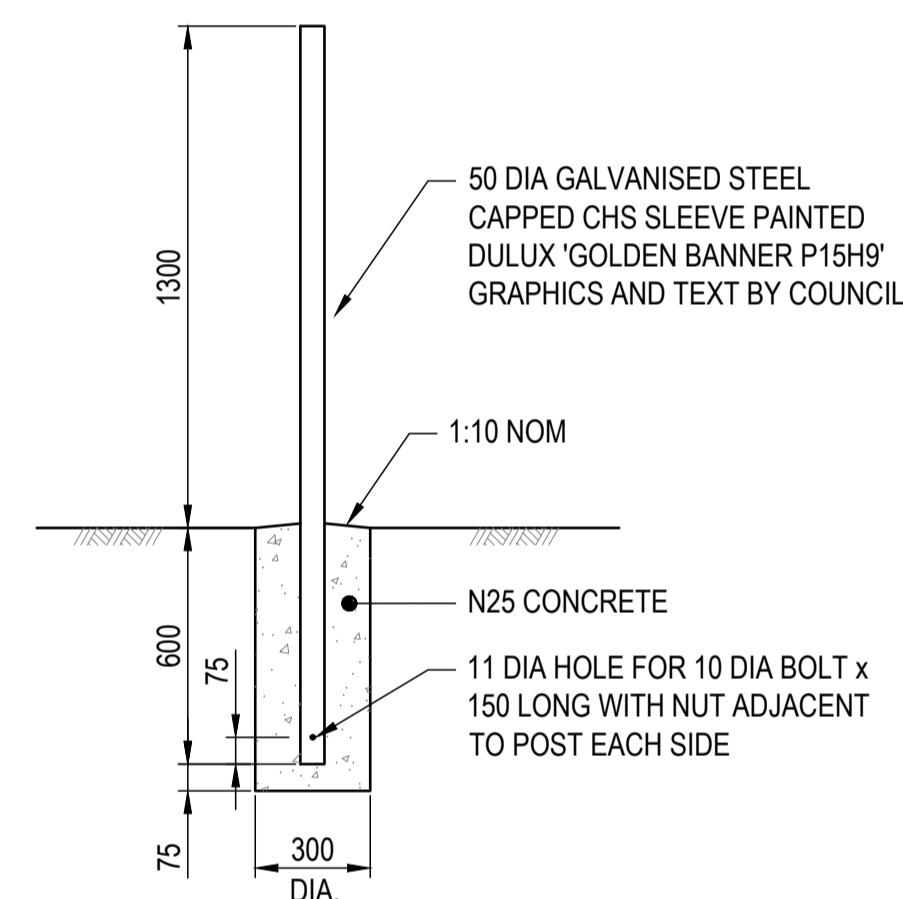
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CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	JUL 2022	A1
JOB No.	DRAWING No.	REVISION	
BR222025	C1702	A	



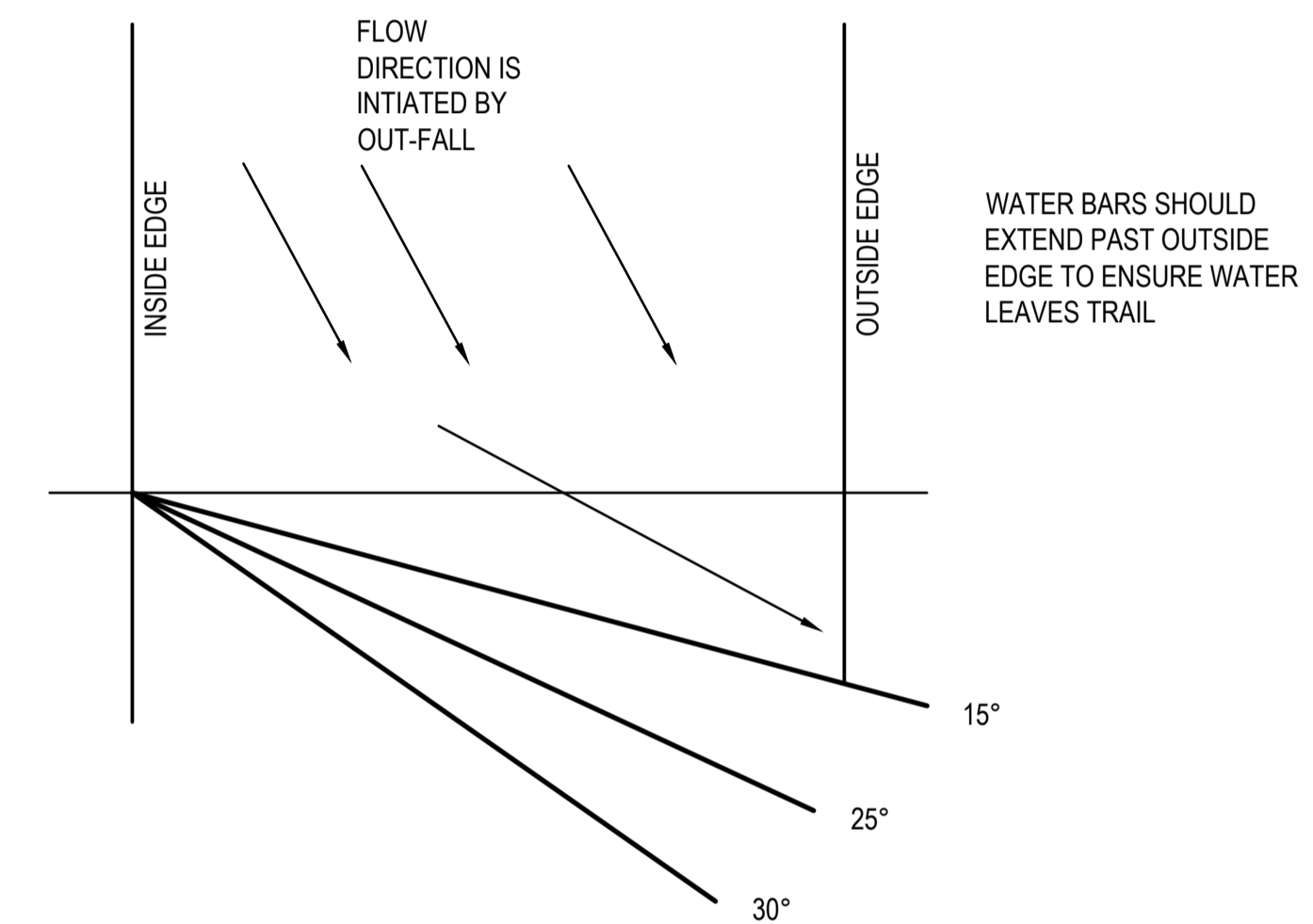
TYPICAL SECTION - BUSHFIRE TRAIL
SCALE 1:50



FORMATION OF WATERBAR
NOT TO SCALE



PERMANENT FIRE TRAIL POST DETAIL
SCALE 1:20

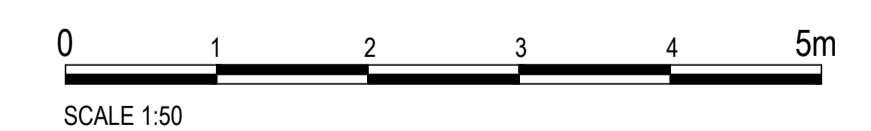
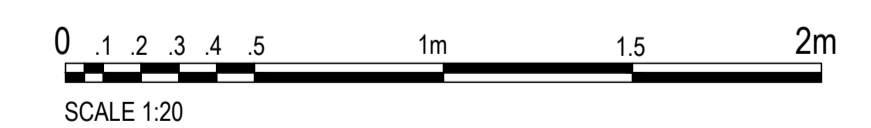


WATER BAR ORIENTATION ON THE TRAIL
NOT TO SCALE

FIRE TRAIL NOTES

1. FIRE TRAIL TO BE IN ACCORDANCE WITH THE APPROVED REPORT "BUSHFIRE RISK ASSESSMENT & MANAGEMENT PLAN" PREPARED BY BUSHLAND PROTECTION SYSTEMS DATED 20TH APRIL 2022.
2. PROVIDE A FIRE TRAIL NUMBER SIGN AT EVERY ENTRANCE TO A FIRE TRAIL.
3. COUNCIL WILL ALLOCATE TRAIL NUMBERS AND INSTALL NUMBERING ON POST.

ROAD GRADE	WATER BAR ORIENTATION	SOIL CLASS A WATER BAR SPACING	SOIL CLASS B WATER BAR SPACING	SOIL CLASS C WATER BAR SPACING	WATER BAR HEIGHT
UP TO 10%	35°	15 - 20m	10 - 12m (apart)	7 - 10m (apart)	0.3 - 0.4m
11% TO 15%	25°	8 - 10m	7 - 10m	UNDESIRABLE	0.4 - 0.6m
15% TO 20%	15°	5 - 8m	CONCRETE	CONCRETE	CONCRETE & OUT-FALL
21% TO 25%	CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE & OUT-FALL
26% TO 30%	CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE & OUT-FALL
ABOVE 30%	RELOCATE TRAIL ALIGNMENT	RELOCATE TRAIL ALIGNMENT	RELOCATE TRAIL ALIGNMENT	RELOCATE TRAIL ALIGNMENT	RELOCATE TRAIL ALIGNMENT



REVISIONS:		MP	22/07/22
No.	REVISION DESCRIPTION	DRAWN	DATE
A	ORIGINAL ISSUE		



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ARCHITECT

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGE 1

DRAWING TITLE
BUSHFIRE TRAIL DETAILS

DRAWING STATUS
ORIGINAL ISSUE
NOT FOR CONSTRUCTION

PROJECT LEADER CK	DESIGNER MP	SIGNATURE	
DRAFTSPERSON MP	SCALE AS SHOWN	DATE JUL 2022	SHEET SIZE A1
JOB No. BR222025	DRAWING No. C1703	REVISION A	