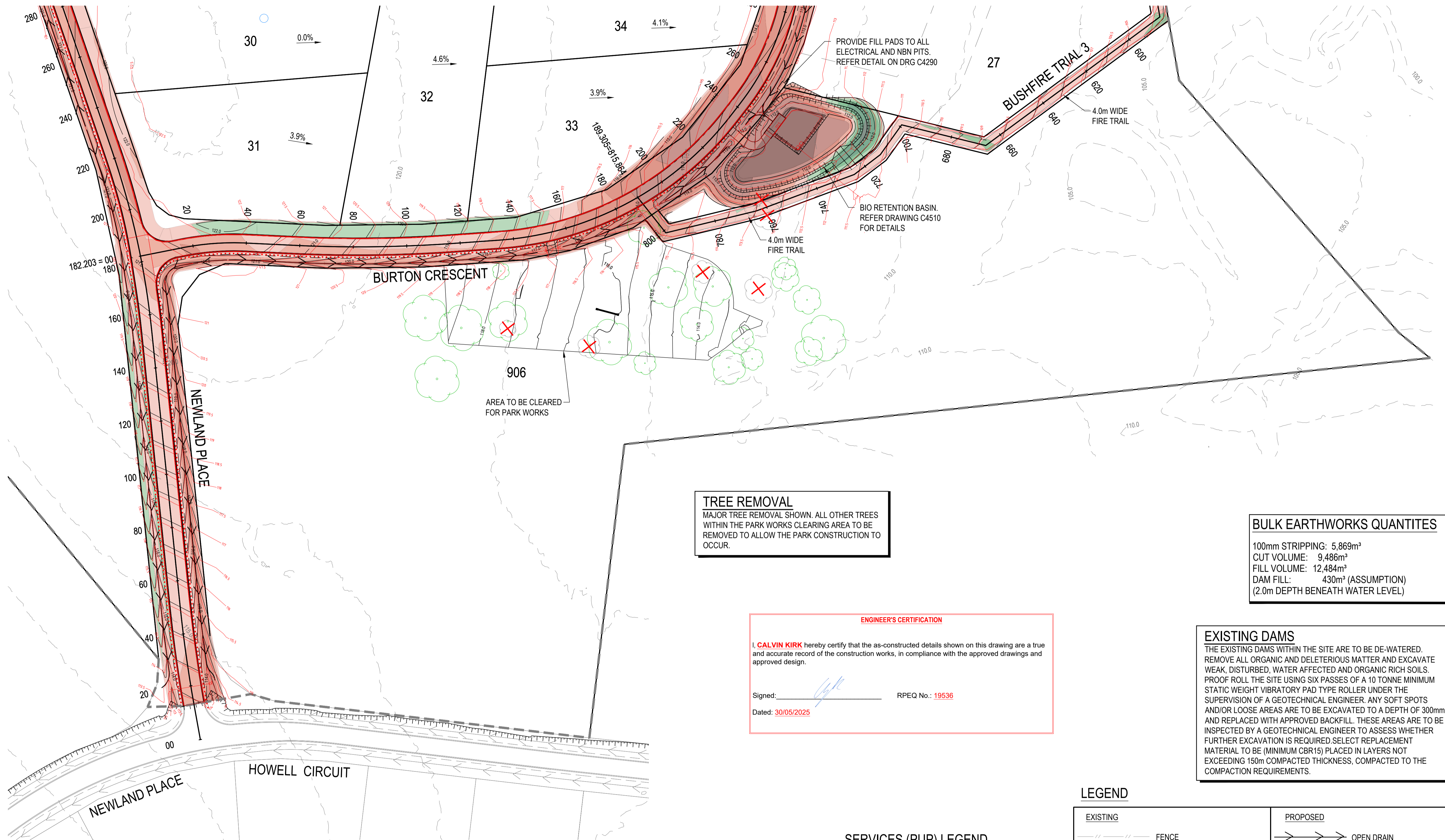


FOR CONTINUATION REFER DWG No. C4201



**BULK EARTHWORKS QUANTITIES**

100mm STRIPPING:	5,869m <sup>3</sup>
CUT VOLUME:	9,486m <sup>3</sup>
FILL VOLUME:	12,484m <sup>3</sup>
DAM FILL:	430m <sup>3</sup> (ASSUMPTION)
(2.0m DEPTH BENEATH WATER LEVEL)	

**TREE REMOVAL**  
 MAJOR TREE REMOVAL SHOWN. ALL OTHER TREES WITHIN THE PARK WORKS CLEARING AREA TO BE REMOVED TO ALLOW THE PARK CONSTRUCTION TO OCCUR.

**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

Signed: \_\_\_\_\_ RPEQ No.: 19536  
 Dated: 30/05/2025

**EXISTING DAMS**

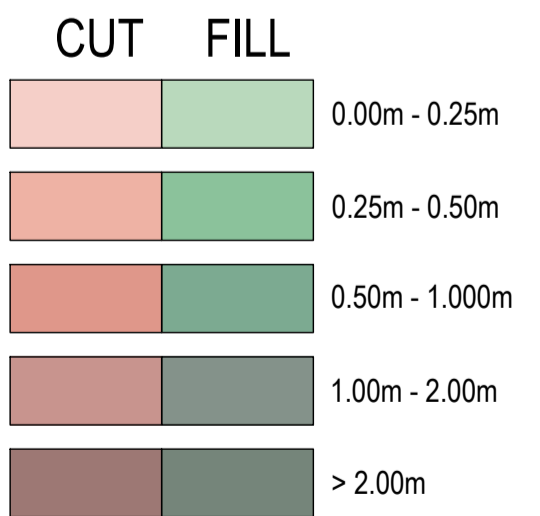
THE EXISTING DAMS WITHIN THE SITE ARE TO BE DE-WATERED. REMOVE ALL ORGANIC AND DELETERIOUS MATTER AND EXCAVATE WEAK, DISTURBED, WATER AFFECTED AND ORGANIC RICH SOILS. PROOF ROLL THE SITE USING SIX PASSES OF A 10 TONNE MINIMUM STATIC WEIGHT VIBRATORY PAD TYPE ROLLER UNDER THE SUPERVISION OF A GEOTECHNICAL 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.

**NOTE**

- REFER TO CIVIL SPECIFICATIONS ON DRAWING C4001 FOR SUBGRADE PREPARATION REQUIREMENTS.
- THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE DOUGLAS PARTNERS GEOTECHNICAL REPORT: 93323.00.R.01.REV01 DATED 19TH FEB 2018.
- DETAILED BULK EARTHWORKS MODELLING HAS NOT BEEN UNDERTAKEN FOR PIPE TRENCHING

**LEVEL 1 COMPACTION**

ALL FILLING ON SITE TO BE LEVEL 1 COMPACTED FILL AS PER AS3798 UNLESS NOTED OTHERWISE.  
 ALL FILLING OF EXISTING DAMS WITHIN INDIVIDUAL LOTS 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)



**SERVICES (PUP) LEGEND**

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

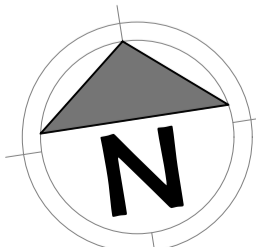
**LEGEND**

EXISTING	PROPOSED
--- FENCE	--- OPEN DRAIN
--- OPEN DRAIN	--- MOUNTABLE KERB TYPE M4
--- MOUNTABLE KERB TYPE M4	--- MOUNTABLE KERB TYPE M6
--- MOUNTABLE KERB TYPE M6	--- CONTOUR (0.5m)
--- CONTOUR (1.0m)	--- ROAD EDGE BITUMEN
--- ROAD EDGE BITUMEN	--- ROAD SHOULDER
○ TREE TO REMAIN	--- DRAINAGE
⊗ TREE TO BE REMOVED	--- STAGE BOUNDARY
○ TREE TPZ	

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

**REVISIONS:**

No.	REVISION DESCRIPTION	DRAWN	DATE
5	AS CONSTRUCTED	JP	30/05/25
4	PARK DRAINAGE ADDED	MP	11/02/25
3	STORMWATER BASIN AND FIRE TRIAL UPDATED	MP	20/01/25
2	DRIVEWAY ADDED	MP	17/12/24
1	STORMWATER BASIN AND FIRE TRIAL UPDATED	MP	31/10/24
0	ISSUED FOR CONSTRUCTION	MP	02/08/24



**van der Meer Consulting**

**van der meer**

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 IF IN DOUBT ASK.

**CLIENT**

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

**SCALE**

0 7.5 15 22.5 30 37.5m 75m

SCALE 1:750

**PROJECT TITLE**

**PROPOSED SUBDIVISION**  
 174 ADARE ROAD, ADARE, QLD 4343  
 STAGES 4 AND 5

**DRAWING TITLE**

**BULK EARTHWORKS PLAN SHEET 1**

**DRAWING STATUS**

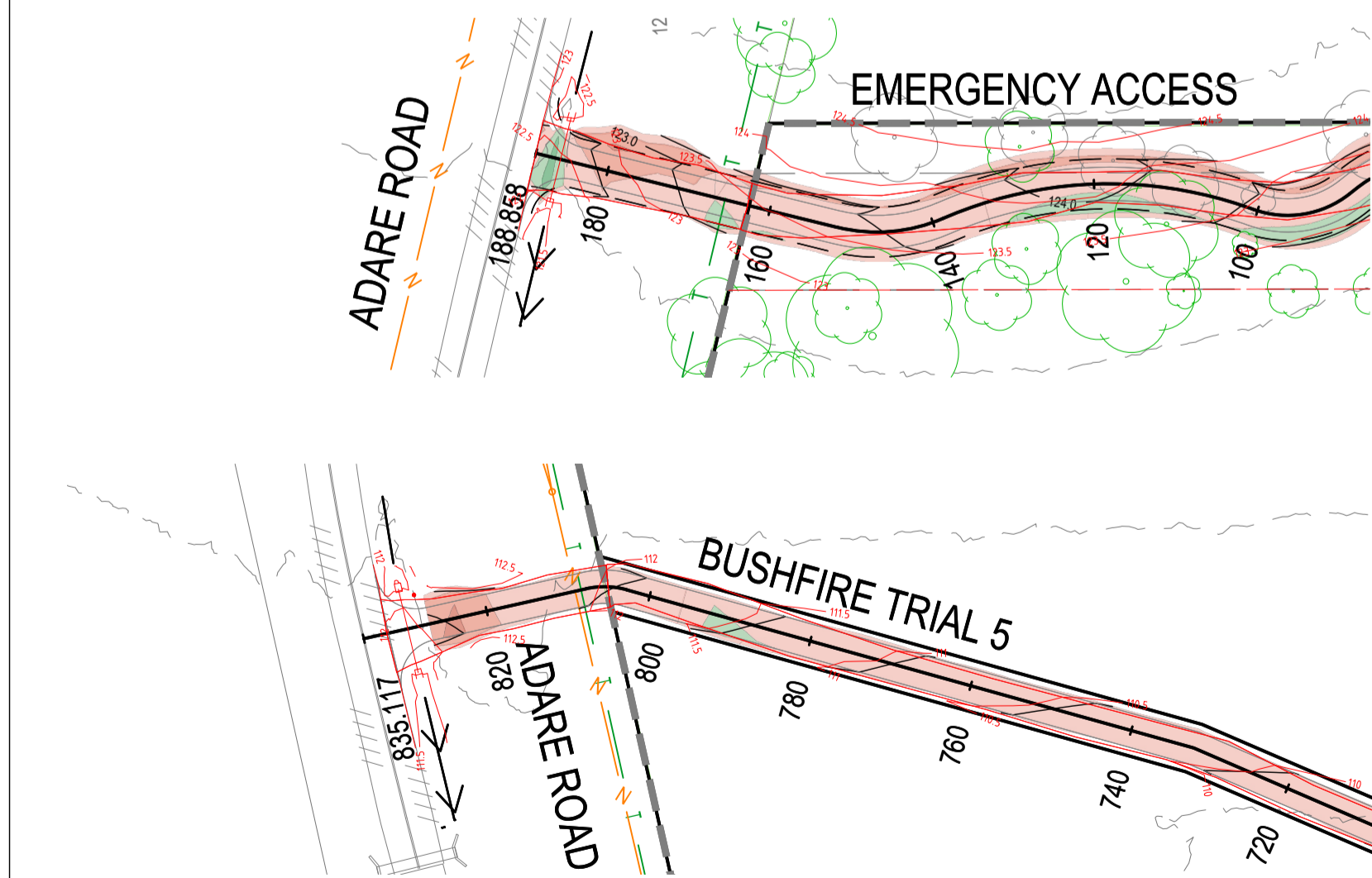
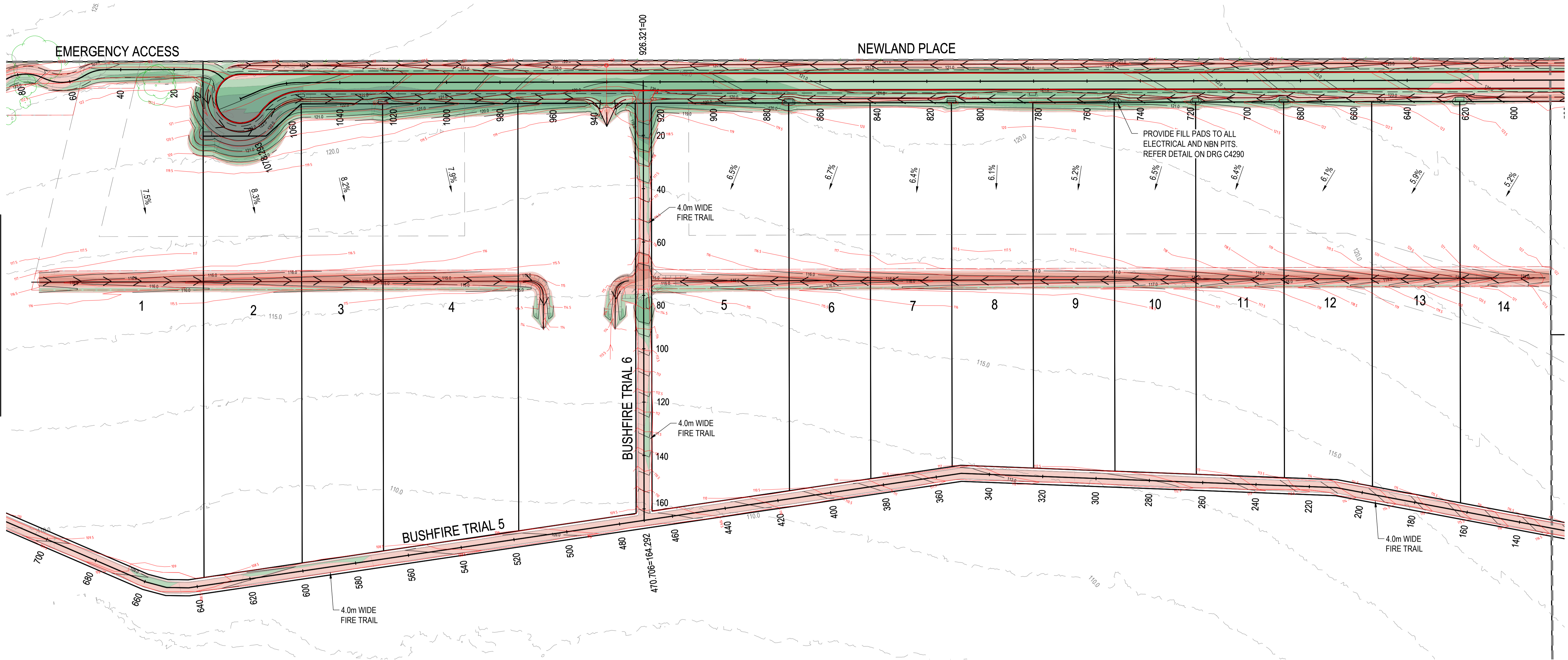
**AS CONSTRUCTED**

PROJECT LEADER	DESIGNER	SIGNATURE	RPEQ No.
CK	MP	C. KIRK	19536
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	29/08/24	A1
JOB No.	DRAWING No.	REVISION	
BR242001	C4200		5



FOR CONTINUATION REFER BELOW

FOR CONTINUATION REFER DWG No. C4201



FOR CONTINUATION REFER ABOVE

ENGINEER'S CERTIFICATION

I, CALVIN KIRK hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

Signed: [Signature] RPEQ No.: 19536  
Dated: 30/05/2025

NOTE

- REFER TO CIVIL SPECIFICATIONS ON DRAWING C4001 FOR SUBGRADE PREPARATION REQUIREMENTS.
- THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE DOUGLAS PARTNERS GEOTECHNICAL REPORT: 93323.00 R.01.REV01 DATED 19TH FEB 2018.
- DETAILED BULK EARTHWORKS MODELLING HAS NOT BEEN UNDERTAKEN FOR PIPE TRENCHING

LEVEL 1 COMPACTION

ALL FILLING ON SITE TO BE LEVEL 1 COMPACTED FILL AS PER AS3798 UNLESS NOTED OTHERWISE.  
ALL FILLING OF EXISTING DAMS WITHIN INDIVIDUAL LOTS 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)

CUT	FILL	DEPTH
[Red]	[Green]	0.00m - 0.25m
[Orange]	[Light Green]	0.25m - 0.50m
[Dark Orange]	[Light Blue]	0.50m - 1.00m
[Dark Red]	[Dark Blue]	1.00m - 2.00m
[Black]	[Dark Green]	> 2.00m

SERVICES (PUP) LEGEND

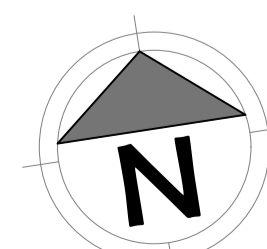
SERVICE	EXISTING
COMMUNICATIONS	C(*)
DRAINAGE (unknown dia.)	D(*)
DRAINAGE (known dia.)	○
ELECTRICITY	E(*)
O/H ELECTRICITY & POLE	▽
GAS	G(*)
WATER MAIN	W(*)

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

LEGEND

EXISTING	PROPOSED
--- FENCE	--- OPEN DRAIN
--- OPEN DRAIN	--- MOUNTABLE KERB TYPE M4
--- MOUNTABLE KERB TYPE M4	--- MOUNTABLE KERB TYPE M6
--- MOUNTABLE KERB TYPE M6	--- CONTOUR (0.5m)
--- CONTOUR (1.0m)	--- ROAD EDGE BITUMEN
--- ROAD EDGE BITUMEN	--- ROAD SHOULDER
○ TREE TO REMAIN	--- DRAINAGE
○ TREE TO BE REMOVED	--- STAGE BOUNDARY
○ TREE TPZ	

REVISIONS:	REVISION DESCRIPTION	DATE
1	AS CONSTRUCTED	30/05/25
0	ISSUED FOR CONSTRUCTION	02/08/24



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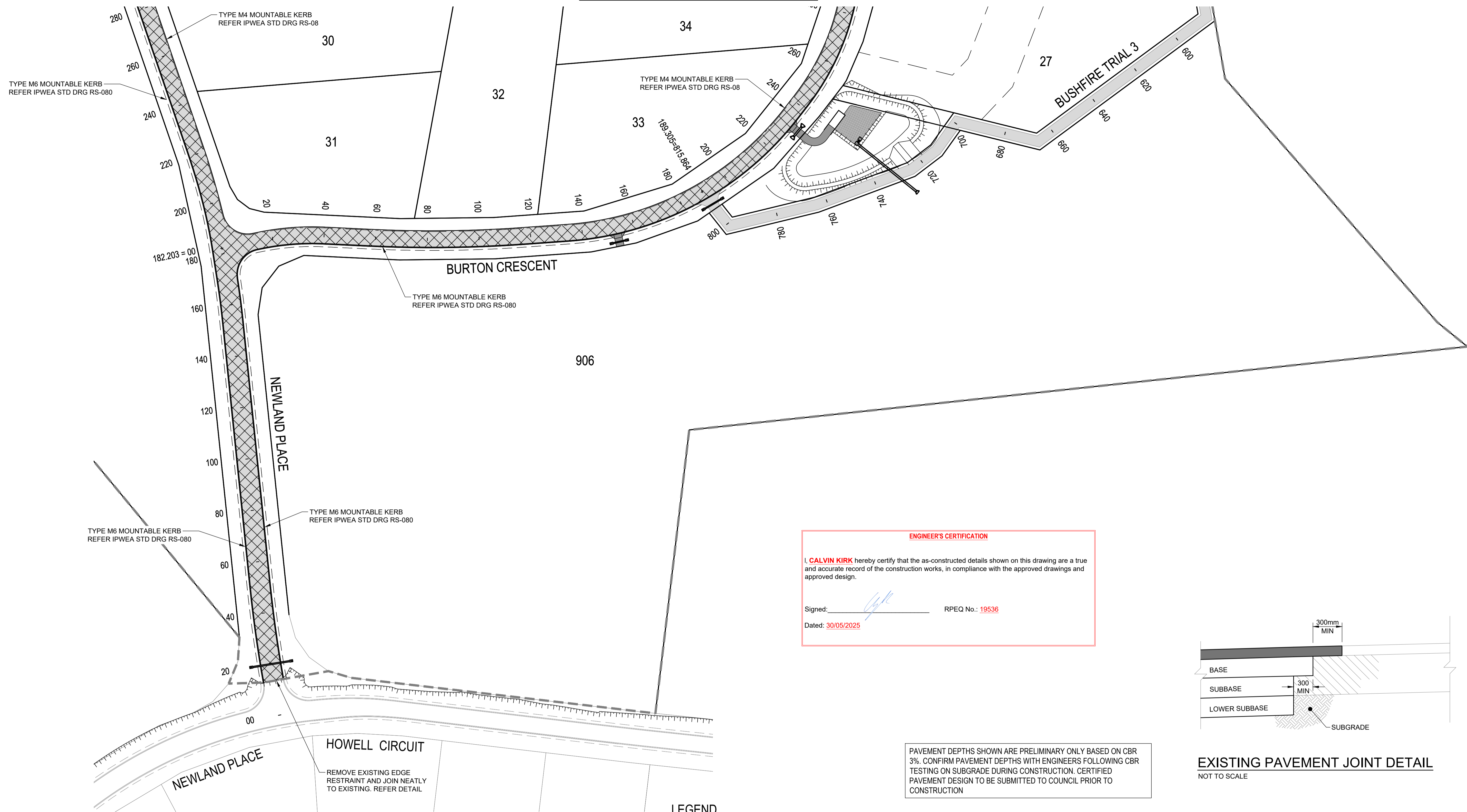
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IF IN DOUBT ASK.

CLIENT  
**PARK LAKE ADARE PTY LTD**  
PO BOX 4107 SPRINGFIELD QLD 4300  
SCALE  
0 7.5 15 22.5 30 37.5m 75m  
SCALE 1:750

PROJECT TITLE  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5  
DRAWING TITLE  
**BULK EARTHWORKS PLAN**  
SHEET 3

DRAWING STATUS			
<b>AS CONSTRUCTED</b>			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4202	REVISION 1	

FOR CONTINUATION REFER DWG No. C4301

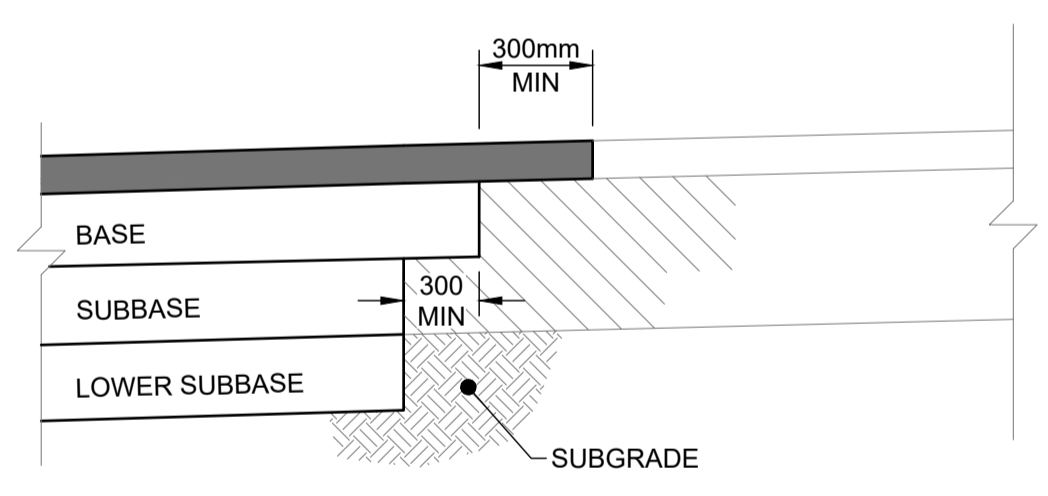


**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

Signed: RPEQ No.: 19536

Dated: 30/05/2025



PAVEMENT DEPTHS SHOWN ARE PRELIMINARY ONLY BASED ON CBR 3%. CONFIRM PAVEMENT DEPTHS WITH ENGINEERS FOLLOWING CBR TESTING ON SUBGRADE DURING CONSTRUCTION. CERTIFIED PAVEMENT DESIGN TO BE SUBMITTED TO COUNCIL PRIOR TO CONSTRUCTION

**LEGEND**

EXISTING	PROPOSED
FENCE	MOUNTABLE KERB TYPE M4
OPEN DRAIN	MOUNTABLE KERB TYPE M6
MOUNTABLE KERB TYPE M4	CONTOUR (0.5m)
MOUNTABLE KERB TYPE M6	ROAD EDGE BITUMEN
ROAD EDGE BITUMEN	ROAD SHOULDER
TREE TO REMAIN	DRAINAGE
TREE TO BE REMOVED	

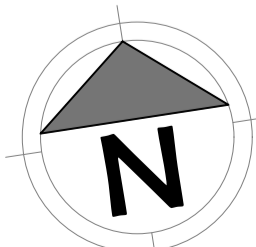
**SURFACE TREATMENT LEGEND:**

	PAVEMENT 1 - ACCESS STREET - 1x10 <sup>5</sup> ASPHALT - 30mm @ DG10, CLASS 320 BITUMEN BINDER WITH EMULSION PRIME 150mm THICK BASE COURSE - TYPE 2.1 (CBR 80) BINDER WITH EMULSION PRIME 150mm THICK SUB-BASE - TYPE 2.3 (CBR 45) TOTAL PAVEMENT DEPTH = 330mm
	HEAVY DUTY DRIVEWAY REFER IPWEA STD DRG RS-051
	BUSHFIRE TRAIL REFER DRGS C4700-C1716 FOR DETAILS.

**PAVEMENT NOTES**

- 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.
- GENERAL TRAFFIC USE OF A PARTIALLY BUILT ASPHALT PAVEMENT SHOULD BE LIMITED, AS PROLONGED USE WILL RESULT IN A CONSIDERABLY REDUCED PAVEMENT LIFE.
- 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.

No.	REVISION DESCRIPTION	DRAWN	DATE
5	AS CONSTRUCTED	JP	30/05/25
4	PARK DRAINAGE ADDED	MP	11/02/25
3	STORMWATER BASIN AND FIRE TRIAL UPDATED	MP	20/01/25
2	DRIVEWAY ADDED	MP	17/12/24
1	STORMWATER BASIN AND FIRE TRIAL UPDATED	MP	31/10/24
0	ISSUED FOR CONSTRUCTION	MP	02/08/24



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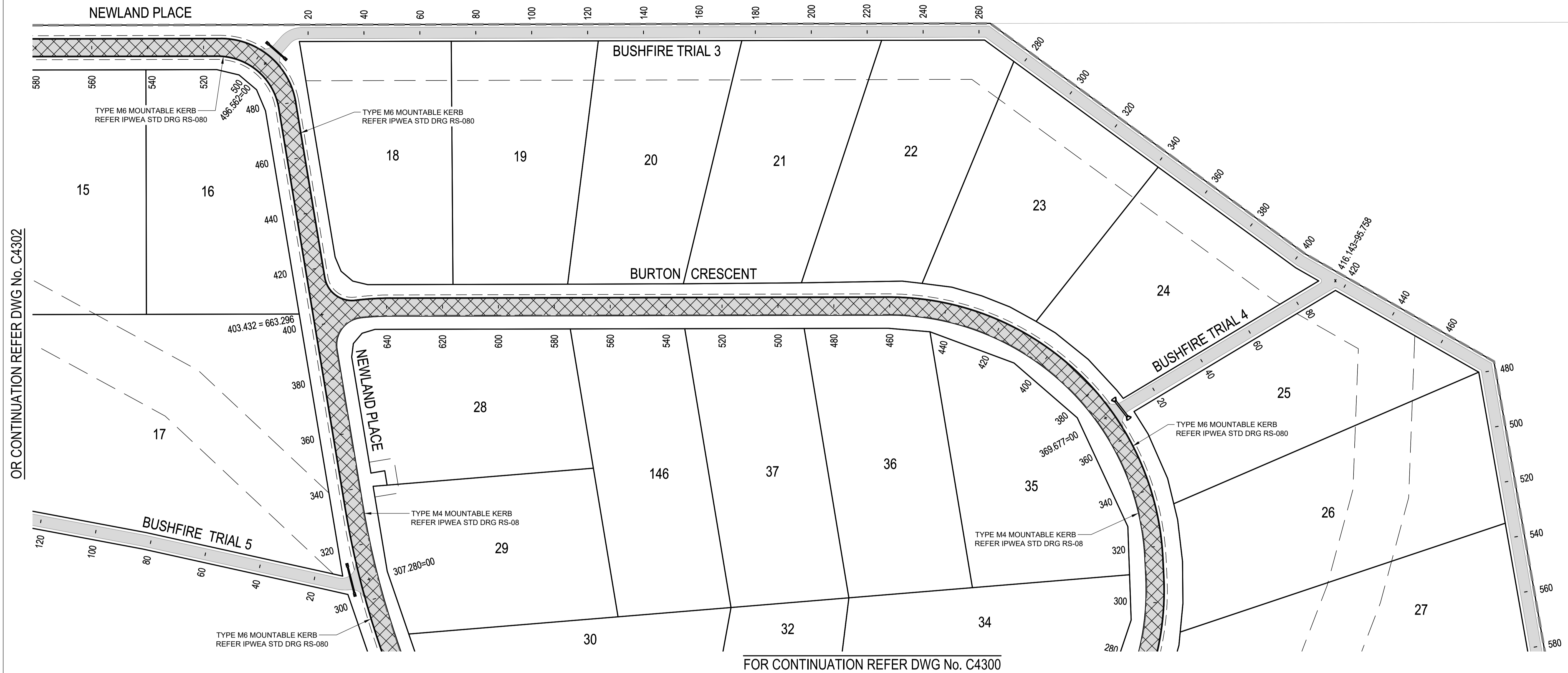
CLIENT  
**PARK LAKE ADARE PTY LTD**  
PO BOX 4107 SPRINGFIELD QLD 4300

SCALE  
  
SCALE 1:750

PROJECT TITLE  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5

DRAWING TITLE  
**PAVEMENT PLAN SHEET 1**

DRAWING STATUS			
<b>AS CONSTRUCTED</b>			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4300	REVISION 5	



OR CONTINUATION REFER DWG No. C4302

FOR CONTINUATION REFER DWG No. C4300

**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

Signed: \_\_\_\_\_ RPEQ No.: **19536**

Dated: **30/05/2025**

**LEGEND**

EXISTING	PROPOSED
FENCE	MOUNTABLE KERB TYPE M4
OPEN DRAIN	MOUNTABLE KERB TYPE M6
MOUNTABLE KERB TYPE M4	CONTOUR (0.5m)
MOUNTABLE KERB TYPE M6	ROAD EDGE BITUMEN
ROAD EDGE BITUMEN	ROAD SHOULDER
TREE TO REMAIN	DRAINAGE
TREE TO BE REMOVED	

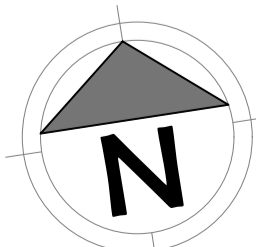
**SURFACE TREATMENT LEGEND:**

	PAVEMENT 1 - ACCESS STREET - 1x10 <sup>5</sup> ASPHALT - 30mm @ DG10, CLASS 320 BITUMEN BINDER WITH EMULSION PRIME 150mm THICK BASE COURSE - TYPE 2.1 (CBR 80) BINDER WITH EMULSION PRIME 150mm THICK SUB-BASE - TYPE 2.3 (CBR 45) TOTAL PAVEMENT DEPTH = 330mm
	HEAVY DUTY DRIVEWAY REFER IPWEA STD DRG RS-051
	BUSHFIRE TRAIL REFER DRGS C4700-C1716 FOR DETAILS.

**PAVEMENT NOTES**

- 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.
- GENERAL TRAFFIC USE OF A PARTIALLY BUILT ASPHALT PAVEMENT SHOULD BE LIMITED, AS PROLONGED USE WILL RESULT IN A CONSIDERABLY REDUCED PAVEMENT LIFE.
- 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.

REVISIONS:	No.	REVISION DESCRIPTION	DRAWN	DATE
	1	AS CONSTRUCTED	JP	30/05/25
	0	ISSUED FOR CONSTRUCTION	MP	02/08/24



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**van der meer**

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IF IN DOUBT ASK

**CLIENT**

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

**SCALE**

0 7.5 15 22.5 30 37.5m 75m

SCALE 1:750

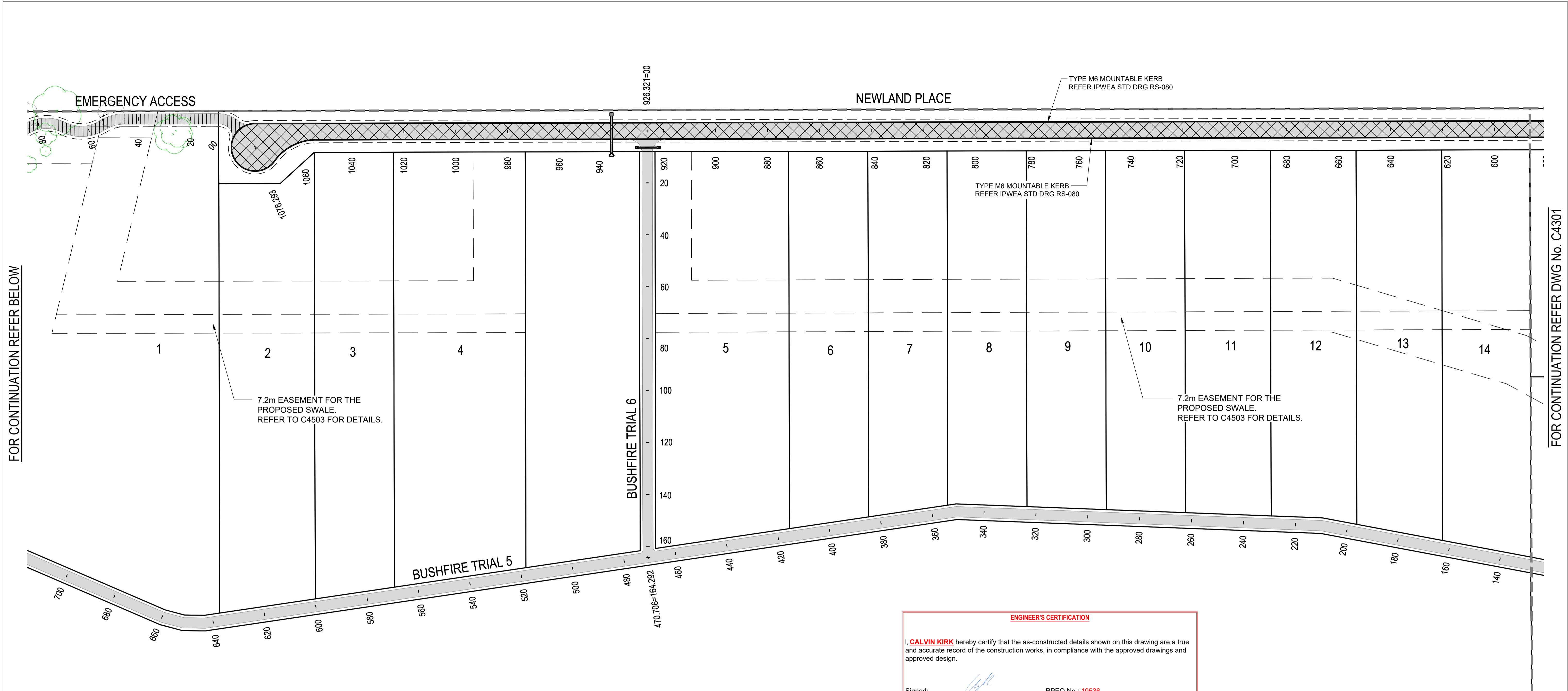
**PROJECT TITLE**

**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5

**DRAWING TITLE**

**PAVEMENT PLAN SHEET 2**

DRAWING STATUS			
<b>AS CONSTRUCTED</b>			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4301	REVISION 1	




FOR CONTINUATION REFER BELOW

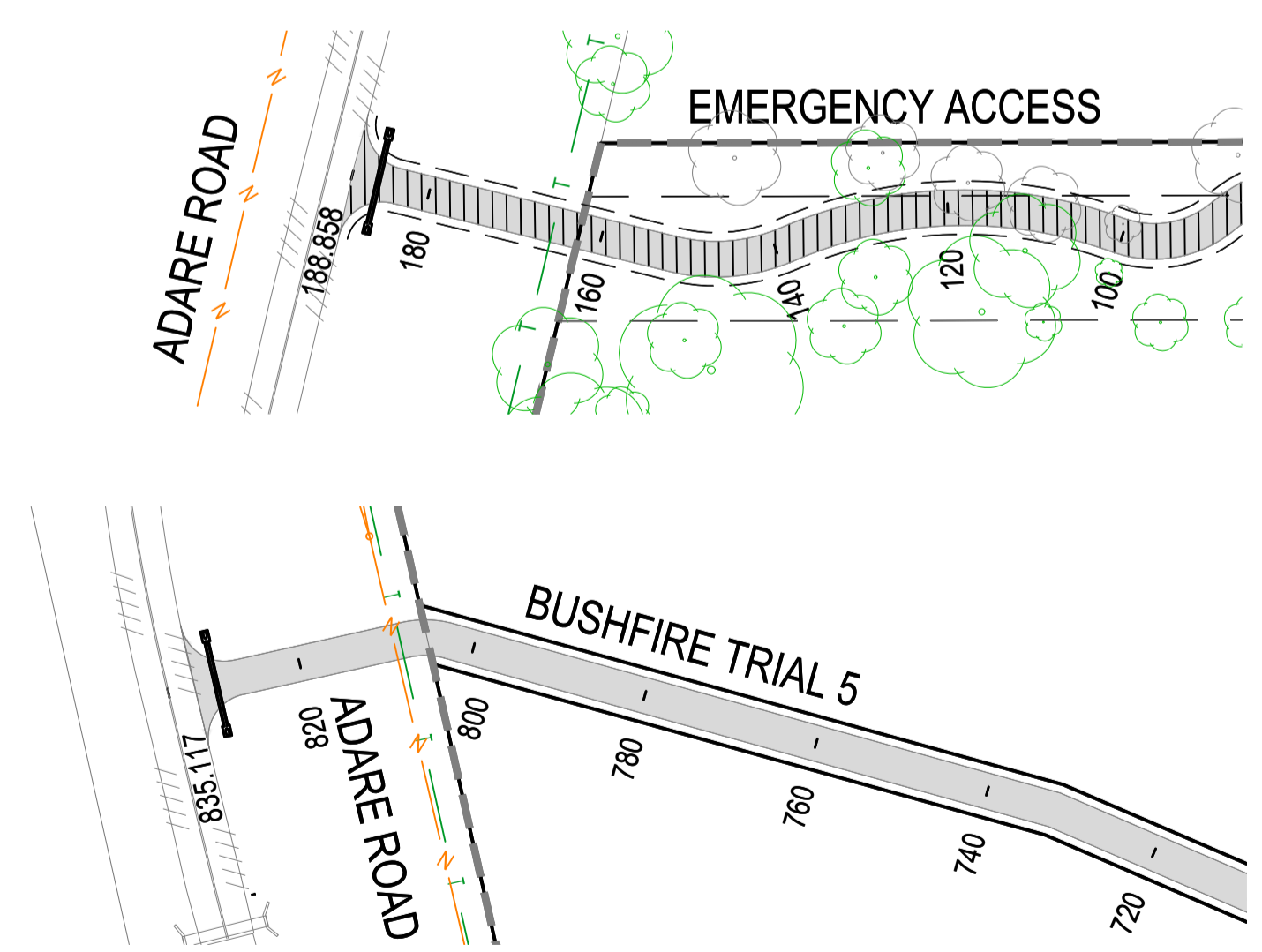
FOR CONTINUATION REFER DWG No. C4301

**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

Signed:  RPEQ No.: **19536**

Dated: **30/05/2025**



FOR CONTINUATION REFER ABOVE

**LEGEND**

EXISTING	PROPOSED
FENCE	ROAD EDGE BITUMEN
OPEN DRAIN	MOUNTABLE KERB TYPE M4
MOUNTABLE KERB TYPE M4	MOUNTABLE KERB TYPE M6
MOUNTABLE KERB TYPE M6	CONTOUR (0.5m)
ROAD EDGE BITUMEN	ROAD EDGE BITUMEN
TREE TO REMAIN	ROAD SHOULDER
TREE TO BE REMOVED	DRAINAGE

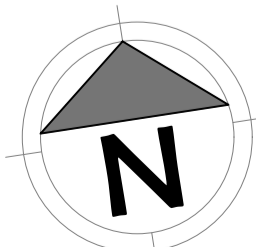
**SURFACE TREATMENT LEGEND:**

	PAVEMENT 1 - ACCESS STREET - 1x10 <sup>5</sup> ASPHALT - 30mm @ DG10, CLASS 320 BITUMEN BINDER WITH EMULSION PRIME 150mm THICK BASE COURSE - TYPE 2.1 (CBR 80) BINDER WITH EMULSION PRIME 150mm THICK SUB-BASE - TYPE 2.3 (CBR 45) TOTAL PAVEMENT DEPTH = 330mm
	HEAVY DUTY DRIVEWAY REFER IPWEA STD DRG RS-051
	BUSHFIRE TRAIL REFER DRGS C4700-C1716 FOR DETAILS.
	EMERGENCY ACCESS 100mm BASE COURSE - TYPE 2.5 (CBR15)

**PAVEMENT NOTES**

- 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.
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- 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.

REVISIONS:	REVISION DESCRIPTION	DATE
1	AS CONSTRUCTED	30/05/25
0	ISSUED FOR CONSTRUCTION	02/08/24



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**van der meer**

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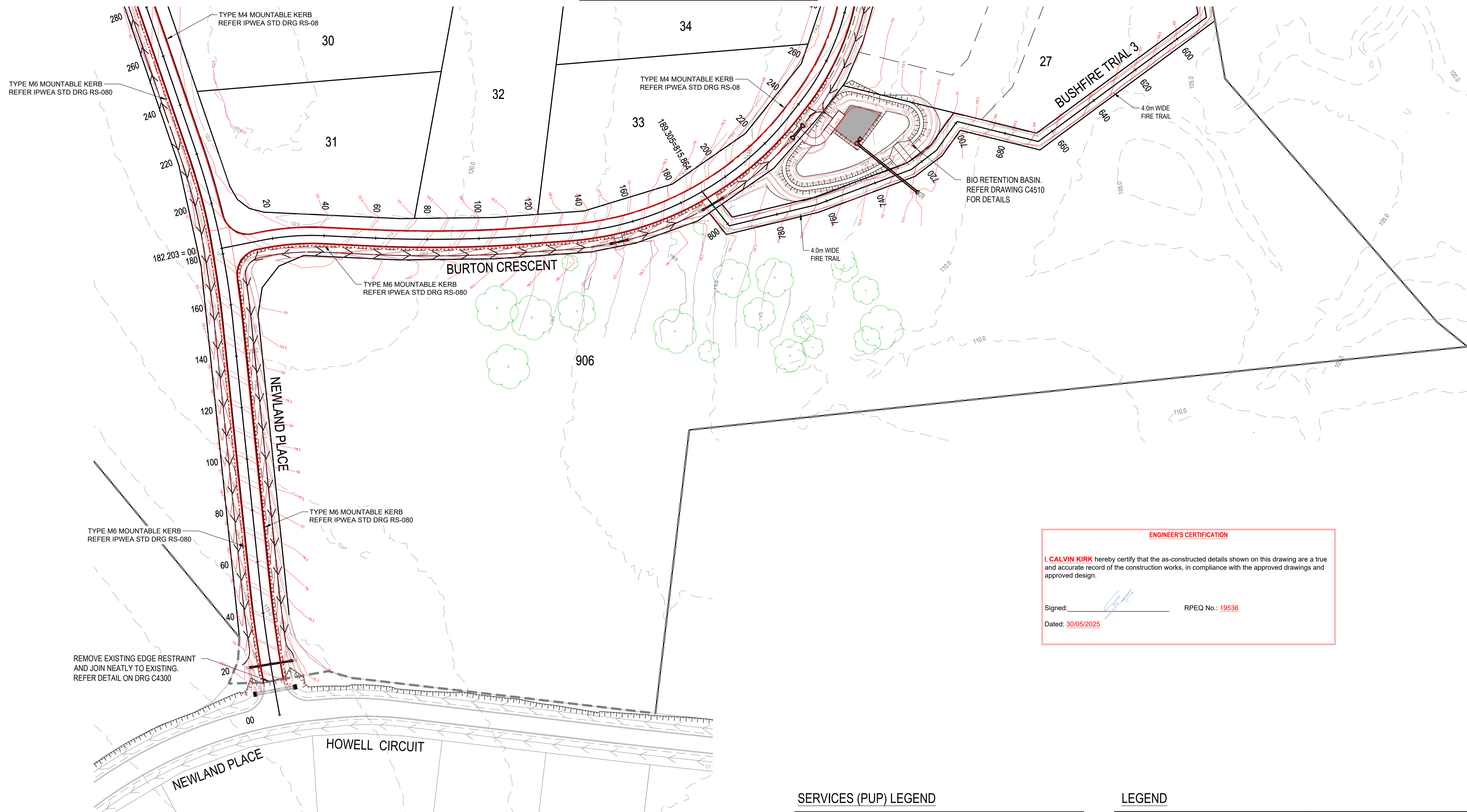
SCALE  
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SCALE 1:750

PROJECT TITLE  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5

DRAWING TITLE  
**PAVEMENT PLAN SHEET 3**

DRAWING STATUS			
<b>AS CONSTRUCTED</b>			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4302	REVISION 1	

FOR CONTINUATION REFER DWG No. C4401



**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

Signed: \_\_\_\_\_ RPEQ No.: 19536

Dated: 30/05/2025

**NOTE**  
THE NATURAL SLOPE OF ALL LOTS IS FLATTER THAN 10% FOR A MINIMUM OF 80% OF THE TOTAL LOT AREA.

**SERVICES (PUP) LEGEND**

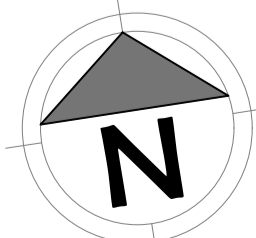
	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE (unknown dia.)	D(*)	
DRAINAGE (known dia.)		
ELECTRICITY	E(*)	
O/H ELECTRICITY & POLE		
GAS	G(*)	
WATER MAIN	W(*)	

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

**LEGEND**

EXISTING	PROPOSED
--- FENCE	--- OPEN DRAIN
--- OPEN DRAIN	--- MOUNTABLE KERB TYPE M4
--- KERB AND CHANNEL	--- MOUNTABLE KERB TYPE M6
--- KERB ONLY	--- CONTOUR (0.5m)
--- CONTOUR (1.0m)	--- ROAD EDGE BITUMEN
--- ROAD EDGE BITUMEN	--- ROAD SHOULDER
○ TREE TO REMAIN	--- DRAINAGE
○ TREE TO BE REMOVED	

No.	REVISION DESCRIPTION	DRAWN	DATE
5	AS CONSTRUCTED	JP	30/05/25
4	PARK DRAINAGE ADDED	MP	11/02/25
3	STORMWATER BASIN AND FIRE TRIAL UPDATED	MP	20/01/25
2	DRIVEWAY ADDED	MP	17/12/24
1	STORMWATER BASIN AND FIRE TRIAL UPDATED	MP	31/10/24
0	ISSUED FOR CONSTRUCTION	MP	02/08/24



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**van der meer**

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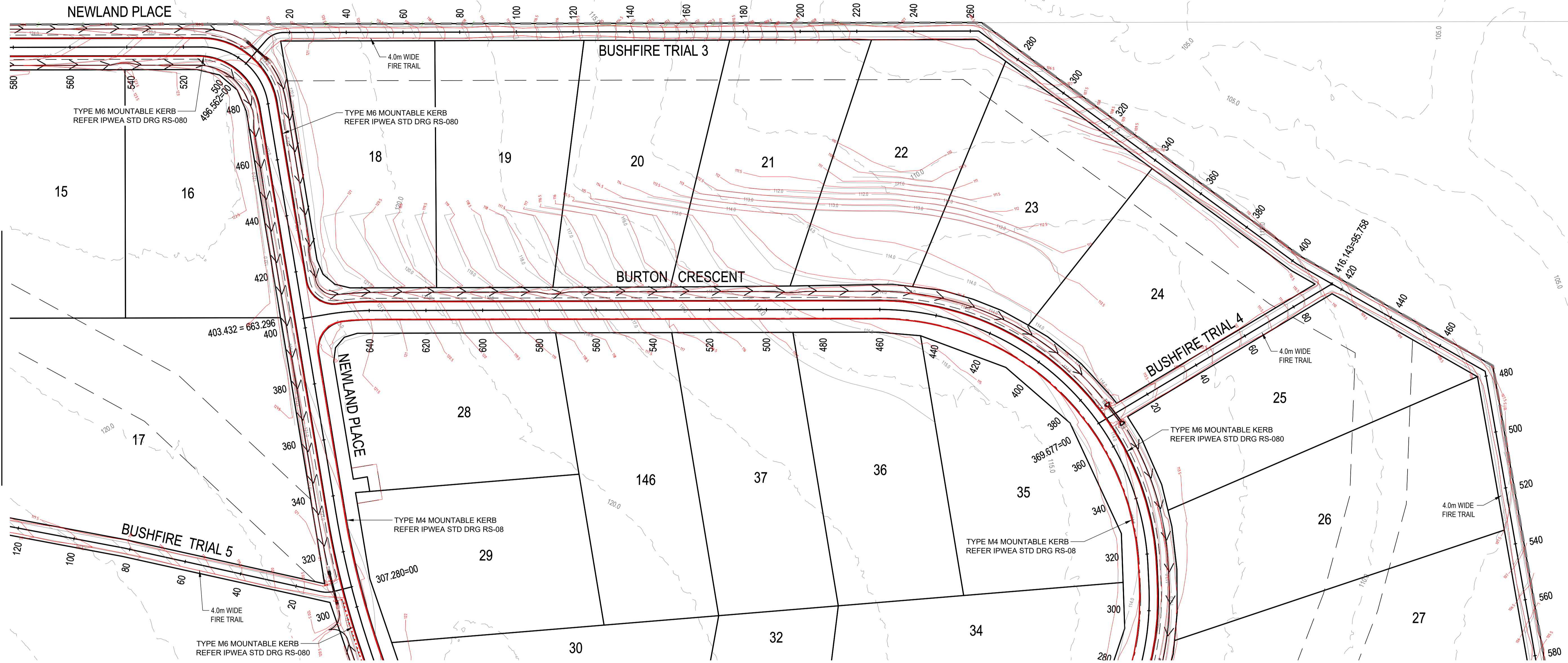
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0 7.5 15 22.5 30 37.5m 75m  
SCALE 1:750

**PROJECT TITLE**  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5

**DRAWING TITLE**  
**ROADWORKS PLAN SHEET 1**

DRAWING STATUS			
<b>AS CONSTRUCTED</b>			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4400	REVISION 5	


OR CONTINUATION REFER DWG No. C4402





FOR CONTINUATION REFER DWG No. C4400

**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.


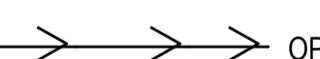

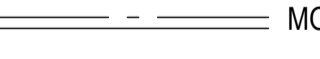



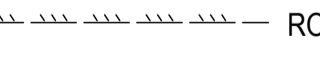




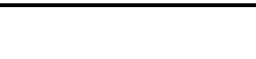
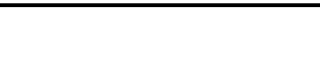

Signed:  RPEQ No.: 19536  
 Dated: 30/05/2025

**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(*)	

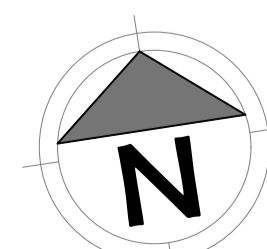
(\*) - DENOTES QUALITY LEVEL AS PER A.S. 5488-2013.

**LEGEND**

EXISTING	PROPOSED
	
	
	
	
	
	
	
	

**NOTE**  
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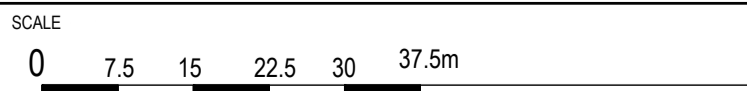
REVISIONS:	No.	REVISION DESCRIPTION	DATE
	1	AS CONSTRUCTED	30/05/25
	0	ISSUED FOR CONSTRUCTION	02/08/24



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**SCALE**  
  
 SCALE 1:750

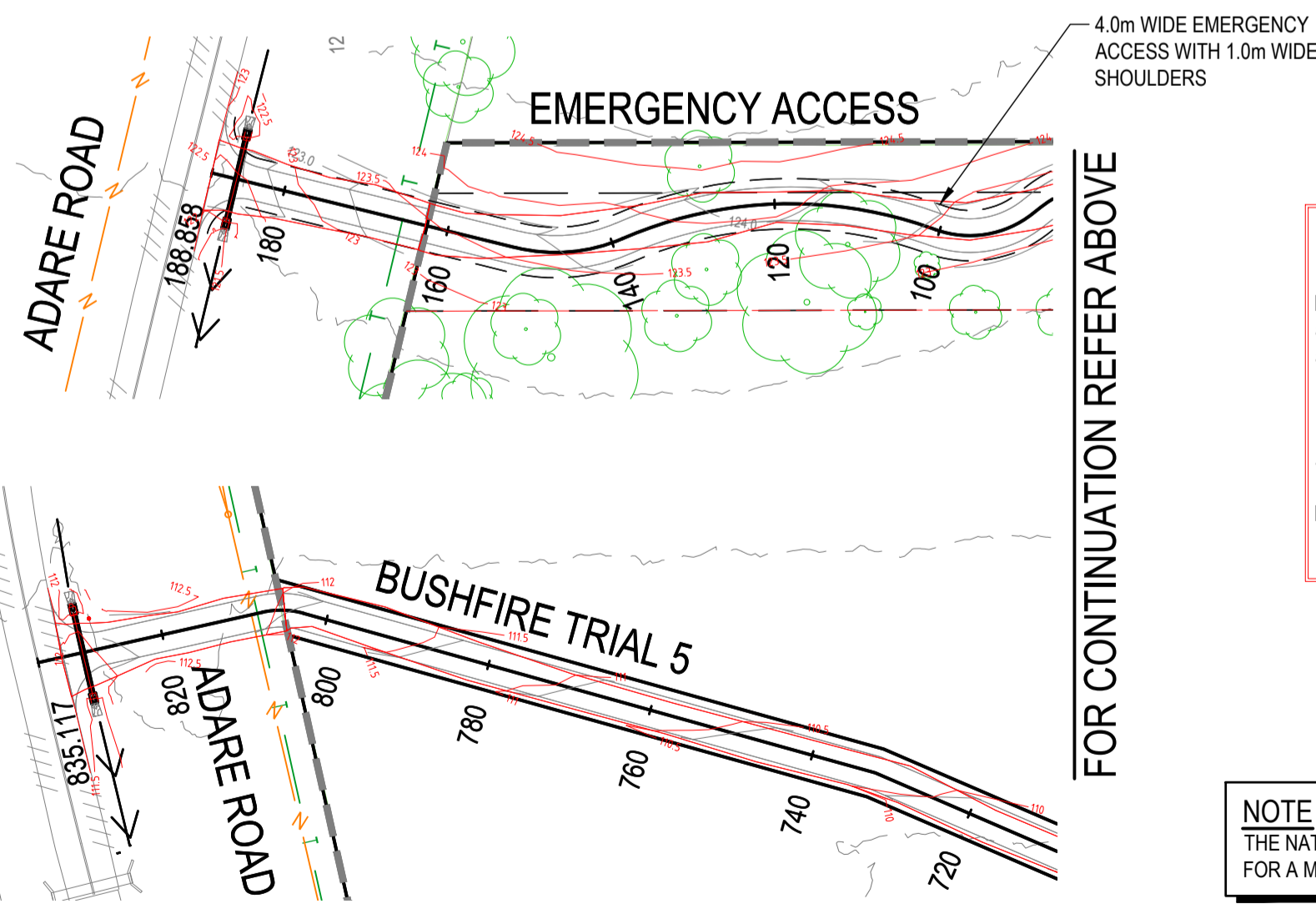
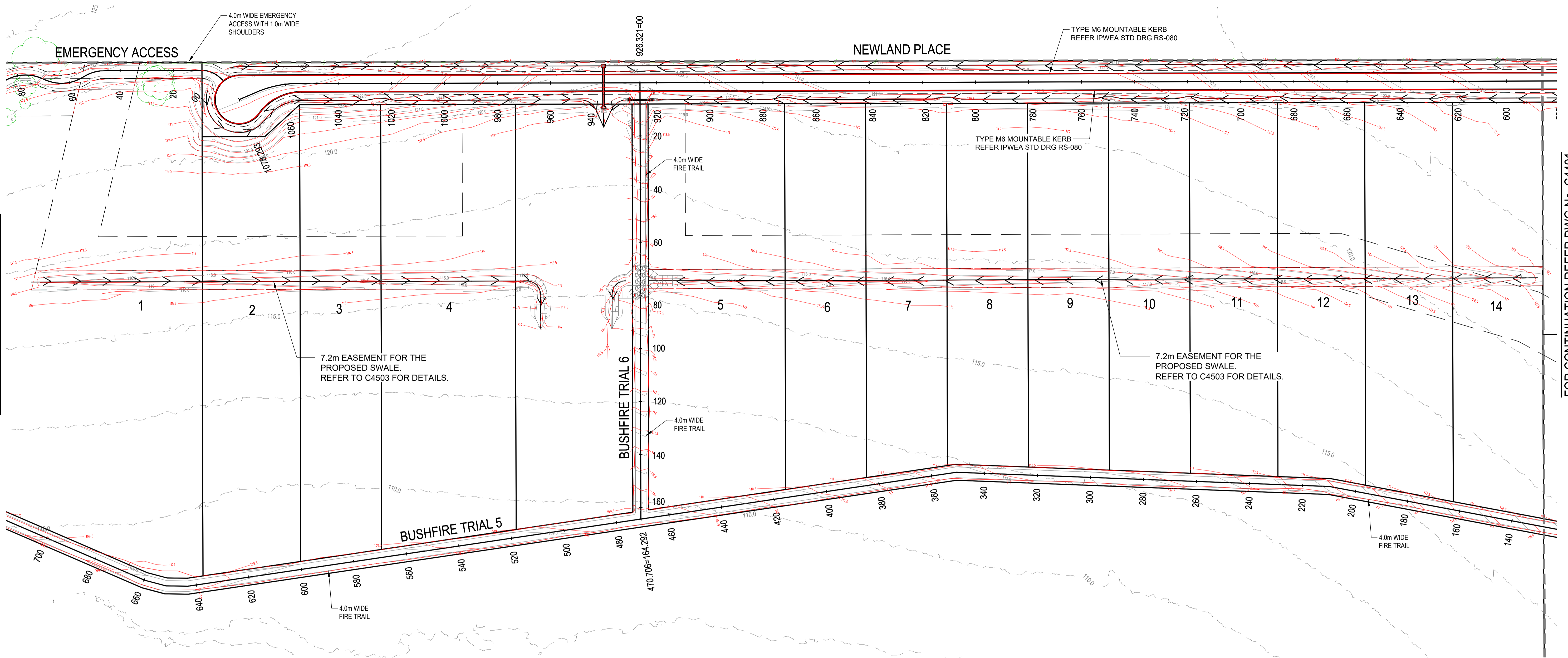
**PROJECT TITLE**  
**PROPOSED SUBDIVISION**  
 174 ADARE ROAD, ADARE, QLD 4343  
 STAGES 4 AND 5

**DRAWING TITLE**  
**ROADWORKS PLAN SHEET 2**

DRAWING STATUS			
<b>AS CONSTRUCTED</b>			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4401	REVISION 1	

FOR CONTINUATION REFER BELOW

FOR CONTINUATION REFER DWG No. C4401



FOR CONTINUATION REFER ABOVE

**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

Signed: *[Signature]* RPEQ No.: **19536**

Dated: **30/05/2025**

**NOTE**  
THE NATURAL SLOPE OF ALL LOTS IS FLATTER THAN 10% FOR A MINIMUM OF 80% OF THE TOTAL LOT AREA.

**SERVICES (PUP) LEGEND**

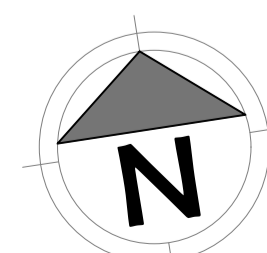
	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE (unknown dia.)	D(*)	
DRAINAGE (known dia.)		
ELECTRICITY	E(*)	
O/H ELECTRICITY & POLE		
GAS	G(*)	
WATER MAIN	W(*)	

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

**LEGEND**

EXISTING	PROPOSED
--- FENCE	- - - EASEMENT BOUNDARY
>>> OPEN DRAIN	>>> OPEN DRAIN
--- KERB AND CHANNEL	--- MOUNTABLE KERB TYPE M4
--- KERB ONLY	--- MOUNTABLE KERB TYPE M6
--- CONTOUR (1.0m)	--- CONTOUR (0.5m)
--- ROAD EDGE BITUMEN	--- ROAD EDGE BITUMEN
○ TREE TO REMAIN	--- ROAD SHOULDER
○ TREE TO BE REMOVED	--- DRAINAGE

REVISIONS:	REVISION DESCRIPTION	DRAWN	DATE
1	AS CONSTRUCTED	JP	30/05/25
0	ISSUED FOR CONSTRUCTION	MP	02/08/24



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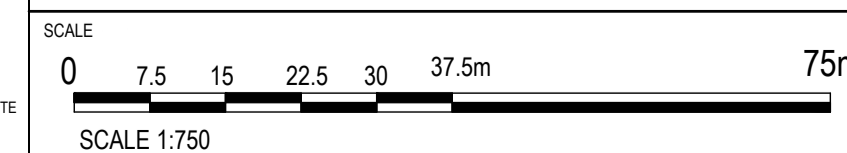
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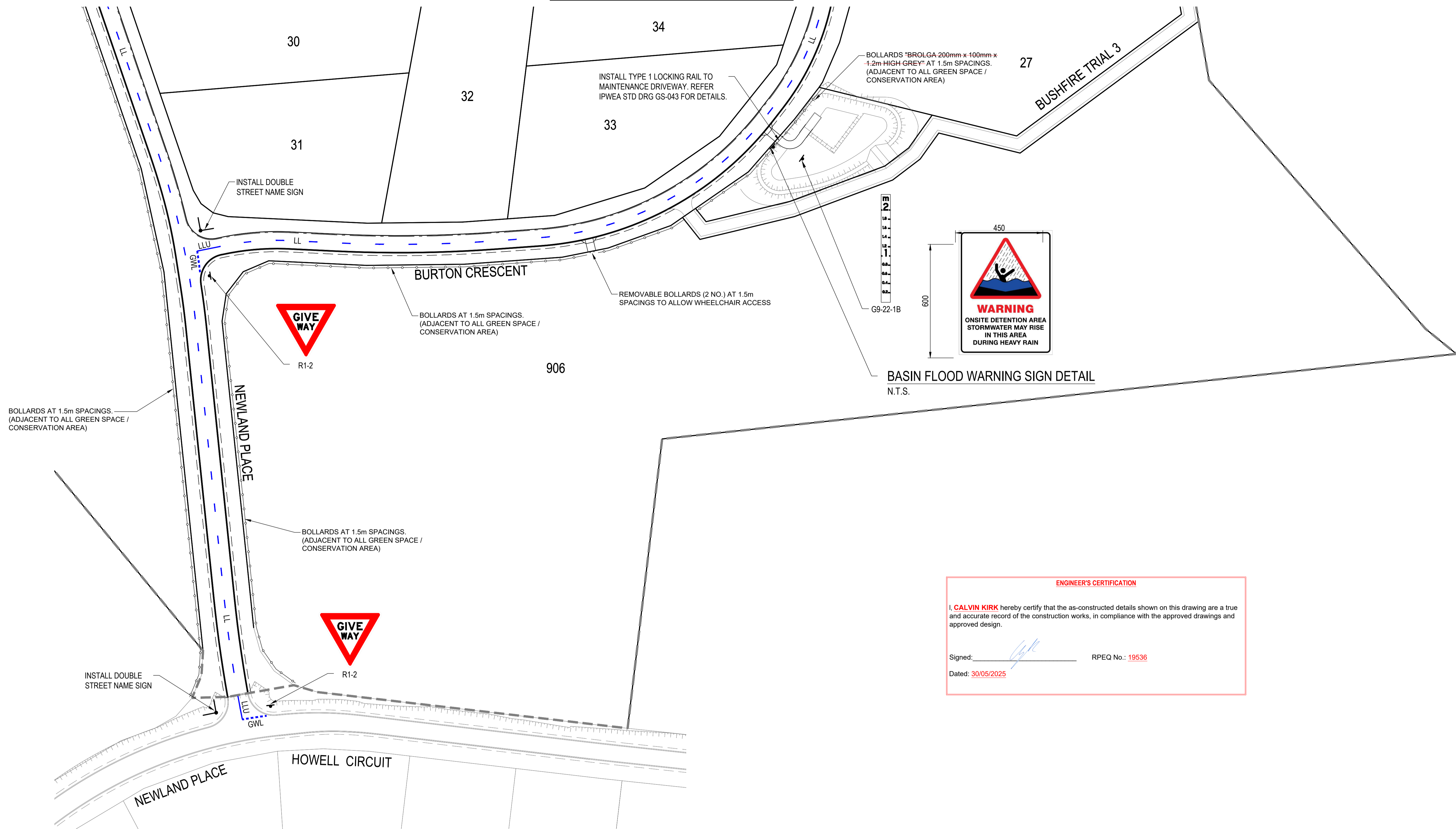
PROJECT TITLE  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5

DRAWING TITLE  
**ROADWORKS PLAN SHEET 3**

DRAWING STATUS  
**AS CONSTRUCTED**

PROJECT LEADER	DESIGNER	SIGNATURE	RPEQ No.
CK	MP	C. KIRK	19536
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	29/08/24	A1
JOB No.	DRAWING No.	REVISION	
BR242001	C4402	1	

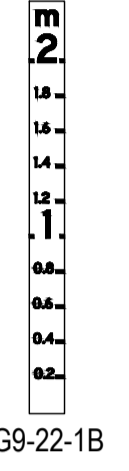
FOR CONTINUATION REFER DWG No. C4431



BOLLARDS "BROLGA 200mm x 100mm x 1.2m HIGH GREY" AT 1.5m SPACINGS. (ADJACENT TO ALL GREEN SPACE / CONSERVATION AREA)

INSTALL TYPE 1 LOCKING RAIL TO MAINTENANCE DRIVEWAY. REFER IPWEA STD DRG GS-043 FOR DETAILS.

INSTALL DOUBLE STREET NAME SIGN



BASIN FLOOD WARNING SIGN DETAIL  
N.T.S.

BURTON CRESCENT

BOLLARDS AT 1.5m SPACINGS. (ADJACENT TO ALL GREEN SPACE / CONSERVATION AREA)

REMOVABLE BOLLARDS (2 NO.) AT 1.5m SPACINGS TO ALLOW WHEELCHAIR ACCESS

BOLLARDS AT 1.5m SPACINGS. (ADJACENT TO ALL GREEN SPACE / CONSERVATION AREA)



R1-2

BOLLARDS AT 1.5m SPACINGS. (ADJACENT TO ALL GREEN SPACE / CONSERVATION AREA)



R1-2

INSTALL DOUBLE STREET NAME SIGN

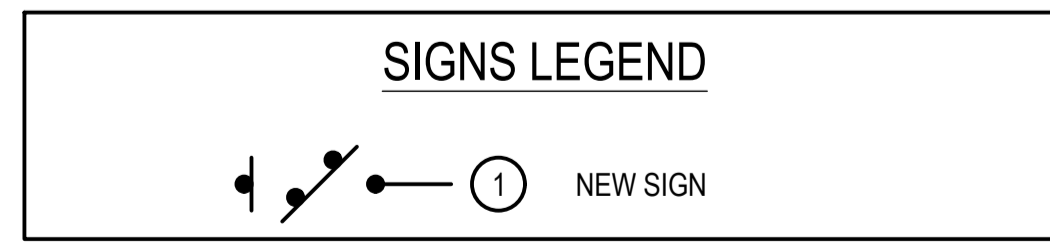
**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

Signed: RPEQ No.: 19536  
Dated: 30/05/2025

**PAVEMENT MARKING LEGEND**

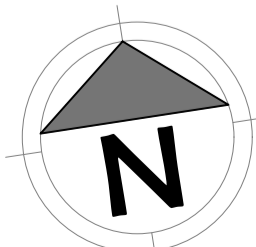
LLU	SEPARATION LINE UNBROKEN (150mm)
LL	LANE LINE BROKEN (150mm) 3m LINE, 9m GAP
GWL	GIVE WAY LINE (300mm)



- PAVEMENT MARKING NOTES**
- ALL LONGITUDINAL LINES AS PER MUTCD SECTION 5.2.
  - ALL TRANSVERSE LINES AS PER MUTCD SECTION 5.4.
  - DIAGONAL AND CHEVRONS AS PER MUTCD SECTION 5.5.
  - ALL LINEWORK TO HAVE RAISED REFLECTIVE MARKERS INSTALLED AS PER MUTCD SECTION 5.6.
  - PAINT FULL WIDTH EDGE LINE (EL) 200mm FROM EDGE OF BITUMEN AS SHOWN.
  - INSTALL GUIDE POSTS TO EDGE OF BITUMEN ALONG TABLE DRAINS IN ACCORDANCE WITH TMR STD DRG SD1356.
  - INSTALL GUIDE POSTS TO BOTH SIDES OF ALL DRIVEWAYS.
  - LINE MARKING SHALL BE DULUX ROADMASTER WATER BASED PAVEMENT MARKING OR APPROVED EQUIVALENT.
  - GIVEWAY PAVEMENT MARKING LOCATIONS TO BE IN ACCORDANCE WITH MUTCD.

**REVISIONS:**

No.	REVISION DESCRIPTION	DRAWN	DATE
5	AS CONSTRUCTED	JP	30/05/25
4	BOLLARD LOCATION UPDATED	MP	12/02/25
3	STORMWATER BASIN AND FIRE TRIAL UPDATED	MP	20/01/25
2	DRIVEWAY ADDED	MP	17/12/24
1	STORMWATER BASIN AND FIRE TRIAL UPDATED	MP	31/10/24
0	ISSUED FOR CONSTRUCTION	MP	02/08/24



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

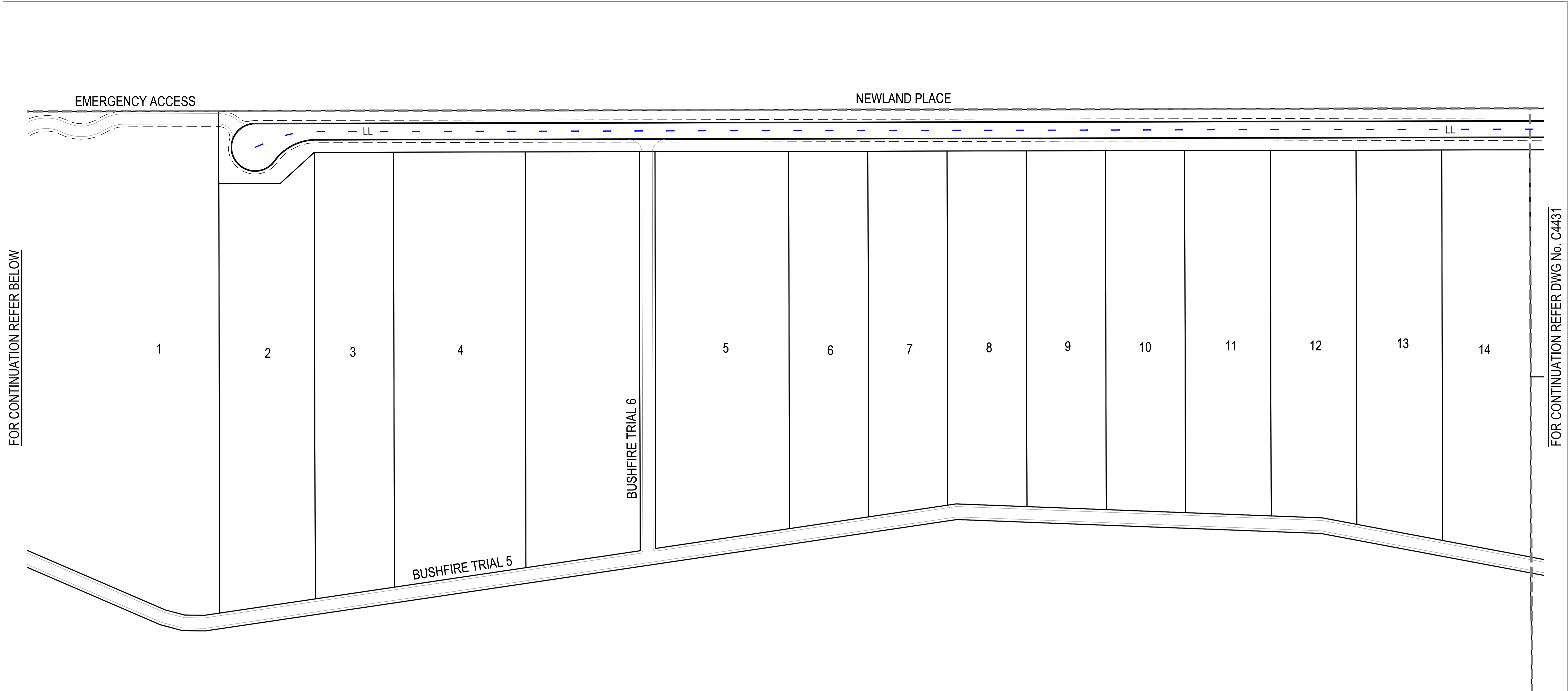
PROJECT TITLE  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5

DRAWING TITLE  
**SIGNS AND PAVEMENT MARKING PLAN - SHEET 1**

DRAWING STATUS  
**AS CONSTRUCTED**

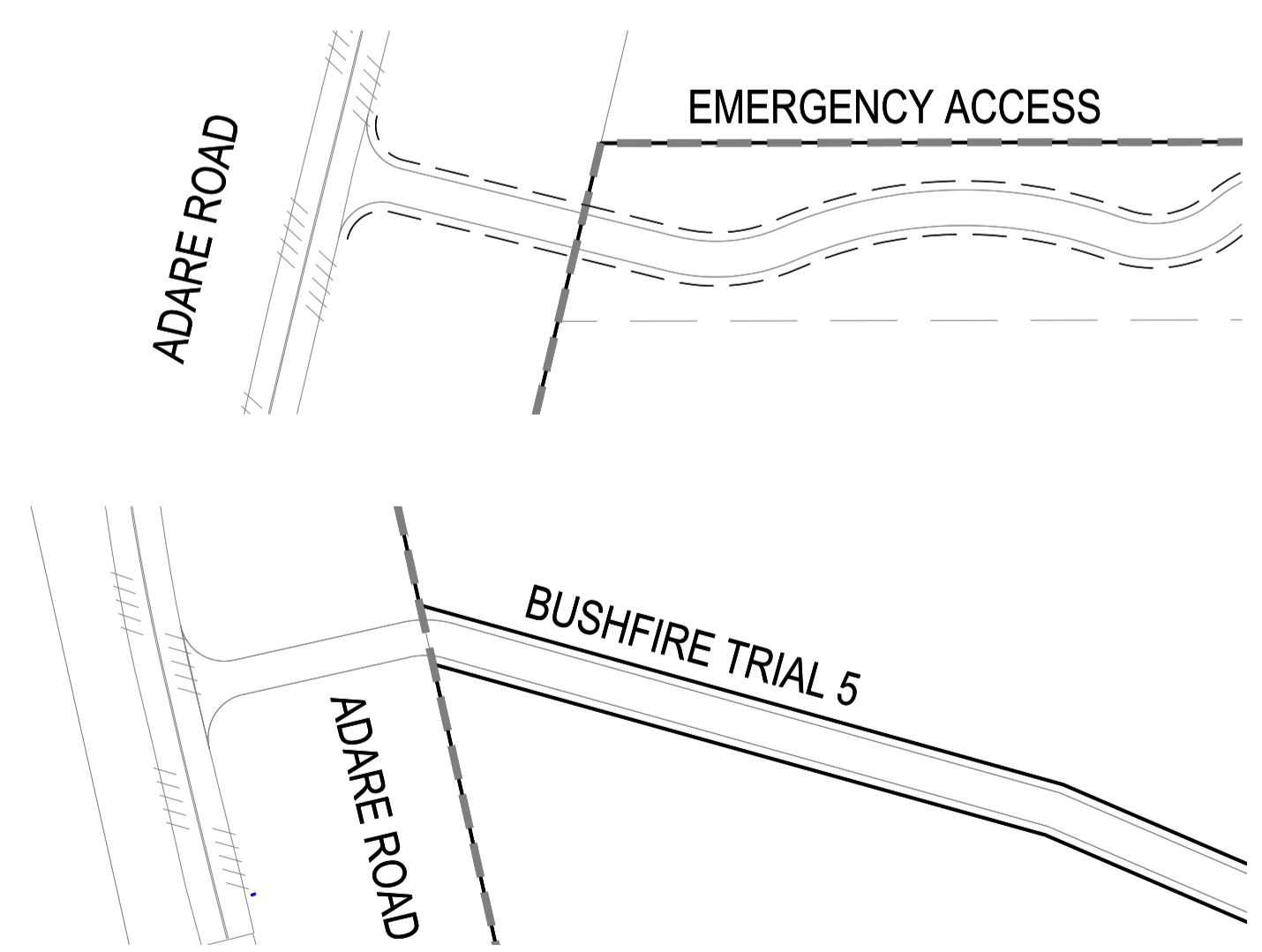
PROJECT LEADER	DESIGNER	SIGNATURE	RPEQ No.
CK	MP	C. KIRK	19536
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	29/08/24	A1
JOB No.	DRAWING No.	REVISION	
BR242001	C4430	5	





FOR CONTINUATION REFER BELOW

FOR CONTINUATION REFER DWG No. C4431



FOR CONTINUATION REFER ABOVE

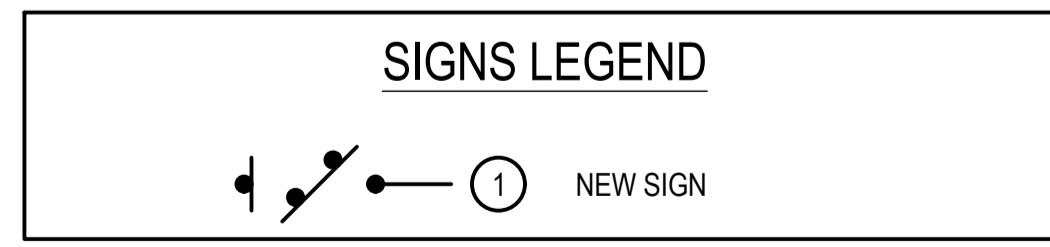
**ENGINEER'S CERTIFICATION**

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Signed: RPEQ No.: **19536**

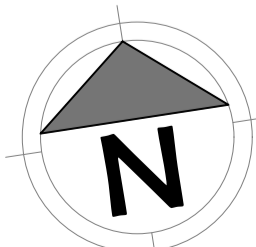
Dated: **30/05/2025**

PAVEMENT MARKING LEGEND	
LLU	SEPARATION LINE UNBROKEN (150mm)
LL	LANE LINE BROKEN (150mm) 3m LINE, 9m GAP
GWL	GIVE WAY LINE (300mm)



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

REVISIONS:			
No.	REVISION DESCRIPTION	DRAWN	DATE
1	AS CONSTRUCTED	JP	30/05/25
0	ISSUED FOR CONSTRUCTION	MP	02/08/24



**van der Meer Consulting**

**van der meer**

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IF IN DOUBT ASK.

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PO BOX 4107 SPRINGFIELD QLD 4300

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


**PROJECT TITLE**  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5

**DRAWING TITLE**  
**SIGNS AND PAVEMENT MARKING PLAN - SHEET 3**

DRAWING STATUS			
<b>AS CONSTRUCTED</b>			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4432	REVISION 1	

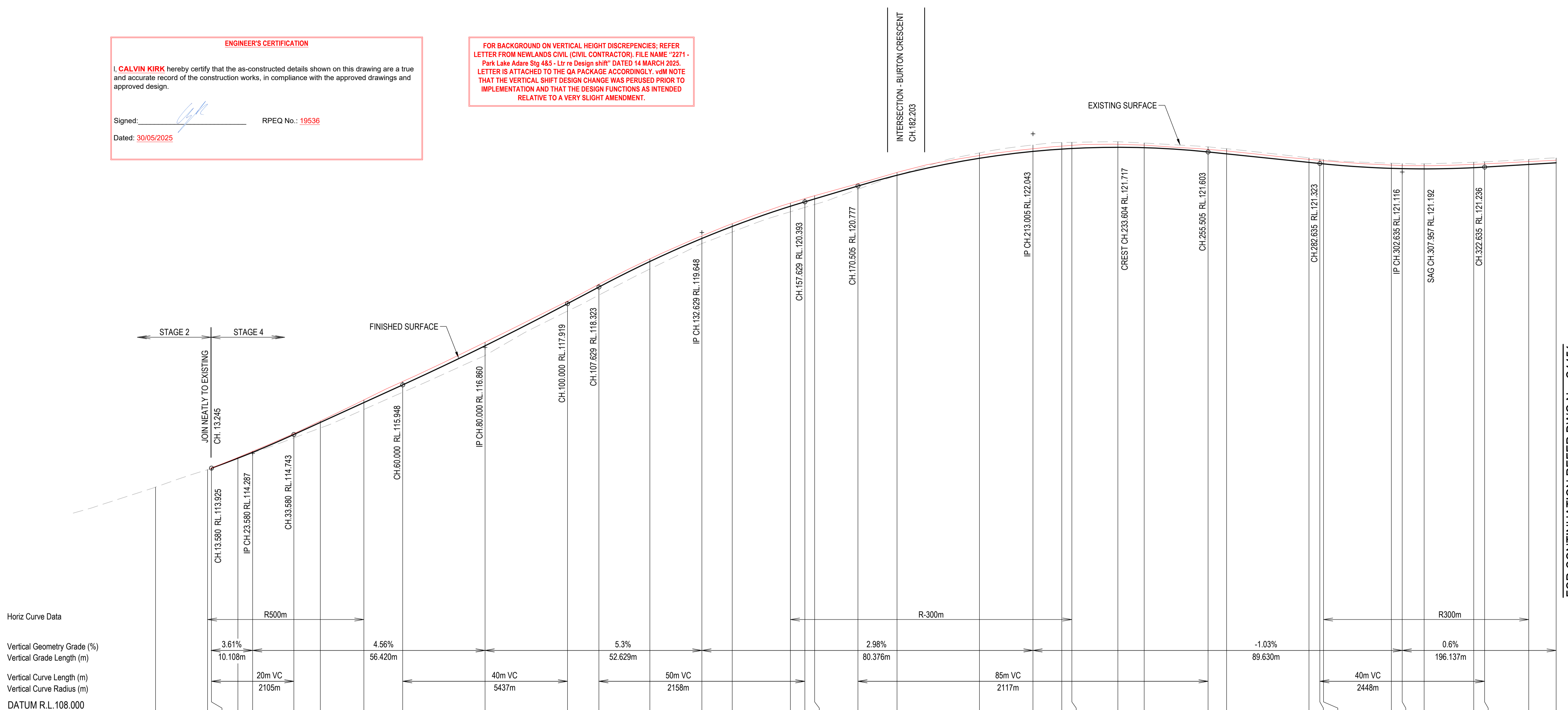
**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

Signed:  RPEQ No.: 19536

Dated: 30/05/2025

FOR BACKGROUND ON VERTICAL HEIGHT DISCREPANCIES: REFER LETTER FROM NEWLANDS CIVIL (CIVIL CONTRACTOR), FILE NAME "2271 - Park Lake Adare Stg 4&5 - Ltr re Design shift" DATED 14 MARCH 2025. LETTER IS ATTACHED TO THE QA PACKAGE ACCORDINGLY. vdm NOTE THAT THE VERTICAL SHIFT DESIGN CHANGE WAS PERUSED PRIOR TO IMPLEMENTATION AND THAT THE DESIGN FUNCTIONS AS INTENDED RELATIVE TO A VERY SLIGHT AMENDMENT.



Horiz Curve Data

Vertical Geometry Grade (%)

Vertical Grade Length (m)

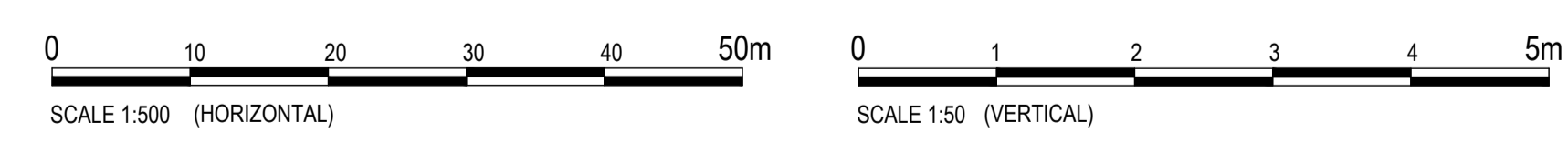
Vertical Curve Length (m)

Vertical Curve Radius (m)

DATUM R.L. 108.000

CHAINAGE	AS CONSTRUCTED LEVELS	NATURAL SURFACE LEVELS	CUT / FILL DEPTH	DESIGN SURFACE LEVELS
0.000		113.465		
12.627		113.891		
13.580	113.928	113.925	-0.032	-113.925
20.000	114.185	114.175	-0.008	-114.167
23.580	114.337	114.298	0.013	-114.310
33.580	114.765	114.660	0.083	-114.743
40.000	115.070	114.900	0.136	-115.036
50.572	115.581	115.350	0.168	-115.518
60.000	116.030	115.768	0.180	-115.948
80.000	116.934	116.662	0.234	-116.897
100.000	117.981	117.739	0.181	-117.919
107.629	118.392	118.128	0.195	-118.323
120.000	119.006	118.760	0.183	-118.943
132.629	119.565	119.380	0.122	-119.503
140.000	119.862	119.660	0.135	-119.795
154.118	120.362	120.151	0.134	-120.285
157.629	120.471	120.257	0.136	-120.393
160.000	120.541	120.328	0.136	-120.463
170.505	120.833	120.698	0.079	-120.777
180.000	121.107	121.033	0.005	-121.038
200.000	121.516	121.580	-0.130	-121.450
213.005	121.681	121.774	-0.157	-121.617
220.000	121.745	121.833	-0.160	-121.673
222.437	121.763	121.838	-0.150	-121.687
233.604	121.788	121.852	-0.135	-121.717
240.000	121.769	121.820	-0.113	-121.707
255.505	121.666	121.727	-0.124	-121.603
260.000	121.629	121.682	-0.125	-121.557
280.000	121.423	121.461	-0.111	-121.350
282.635	121.400	121.431	-0.108	-121.323
283.530	121.392	121.420	-0.107	-121.314
300.000	121.284	121.330	-0.125	-121.205
302.635	121.271	121.322	-0.124	-121.198
307.957	121.270	121.315	-0.123	-121.192
320.000	121.302	121.353	-0.132	-121.222
322.635	121.314	121.364	-0.128	-121.236
333.344	121.369	121.422	-0.122	-121.300
340.000	121.402	121.457	-0.117	-121.340

**LONGITUDINAL SECTION - NEWLAND PLACE**  
HORIZONTAL SCALE 1:500  
VERTICAL SCALE 1:50



FOR CONTINUATION REFER DWG No. C4451

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
1	AS CONSTRUCTED	JP	30/05/25
0	ISSUED FOR CONSTRUCTION	MP	02/08/24



**van der Meer Consulting**

**van der meer**

LEVEL 3, 51 ALFRED STREET  
FORTITUDE VALLEY QLD 4006  
Telephone +61 7 3021 6600

www.vandermeer.com.au  
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P.10/04/2018 AK

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

SCALE

PROJECT TITLE  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5

DRAWING TITLE  
**ROAD LONGITUDINAL SECTION**  
NEWLAND PLACE - SHEET 1

DRAWING STATUS  
**AS CONSTRUCTED**

PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTER/PERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4450	REVISION 1	

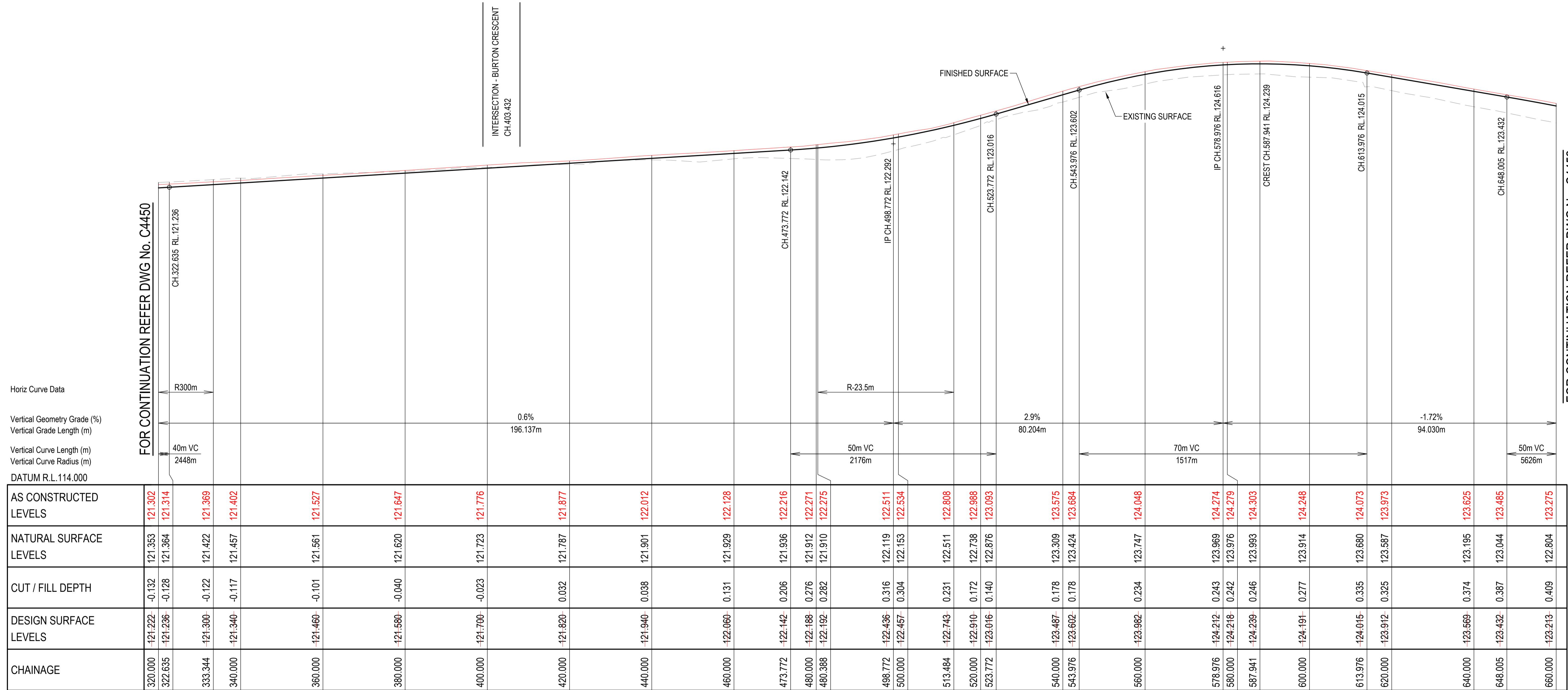
**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

Signed: \_\_\_\_\_ RPEQ No.: **19536**

Dated: **30/05/2025**

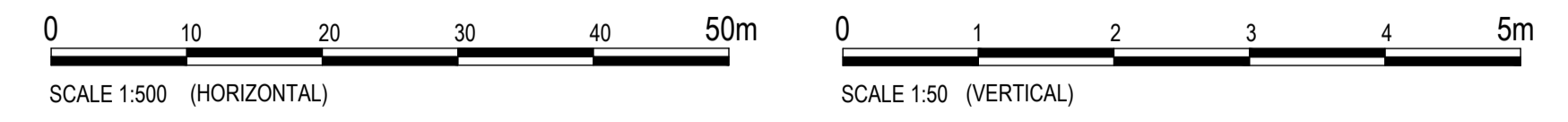
FOR BACKGROUND ON VERTICAL HEIGHT DISCREPANCIES; REFER LETTER FROM NEWLANDS CIVIL (CIVIL CONTRACTOR), FILE NAME "2271 - Park Lake Adare Stg 4&5 - Ltr re Design shift" DATED 14 MARCH 2025. LETTER IS ATTACHED TO THE QA PACKAGE ACCORDINGLY. vdm NOTE THAT THE VERTICAL SHIFT DESIGN CHANGE WAS PERUSED PRIOR TO IMPLEMENTATION AND THAT THE DESIGN FUNCTIONS AS INTENDED RELATIVE TO A VERY SLIGHT AMENDMENT.



Horiz Curve Data  
Vertical Geometry Grade (%)  
Vertical Grade Length (m)  
Vertical Curve Length (m)  
Vertical Curve Radius (m)  
DATUM R.L. 114.000

CHAINAGE	AS CONSTRUCTED LEVELS	NATURAL SURFACE LEVELS	CUT / FILL DEPTH	DESIGN SURFACE LEVELS
320.000	121.302	121.353	-0.132	-121.222
322.635	121.314	121.364	-0.128	-121.236
333.344	121.369	121.422	-0.122	-121.300
340.000	121.402	121.457	-0.117	-121.340
360.000	121.527	121.561	-0.101	-121.460
380.000	121.647	121.620	-0.040	-121.580
400.000	121.776	121.723	-0.023	-121.700
420.000	121.877	121.787	0.032	-121.820
440.000	122.012	121.901	0.038	-121.940
460.000	122.128	121.929	0.131	-122.060
473.772	122.216	121.936	0.206	-122.142
480.000	122.271	121.912	0.276	-122.188
480.388	122.275	121.910	0.282	-122.192
498.772	122.511	122.119	0.316	-122.436
500.000	122.534	122.153	0.304	-122.457
513.484	122.808	122.511	0.231	-122.743
520.000	122.988	122.738	0.172	-122.910
523.772	123.093	122.876	0.140	-123.016
540.000	123.575	123.309	0.178	-123.487
543.976	123.684	123.424	0.178	-123.602
560.000	124.048	123.747	0.234	-123.982
578.976	124.274	123.969	0.243	-124.212
580.000	124.279	123.976	0.242	-124.218
587.941	124.303	123.993	0.246	-124.239
600.000	124.248	123.914	0.277	-124.191
613.976	124.073	123.680	0.335	-124.015
620.000	123.973	123.587	0.325	-123.912
640.000	123.625	123.195	0.374	-123.569
648.005	123.485	123.044	0.387	-123.432
660.000	123.275	122.804	0.409	-123.213

**LONGITUDINAL SECTION - NEWLAND PLACE**  
HORIZONTAL SCALE 1:500  
VERTICAL SCALE 1:50



REVISIONS:	No.	REVISION DESCRIPTION	DRAWN	DATE
1	AS CONSTRUCTED		JP	30/05/25
0	ISSUED FOR CONSTRUCTION		MP	02/08/24



**van der Meer Consulting**  
**van der meer**  
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P.10/08/24 - AK

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

**SCALE**

**PROJECT TITLE**  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5


**DRAWING TITLE**  
**ROAD LONGITUDINAL SECTION**  
**NEWLAND PLACE - SHEET 2**

**DRAWING STATUS**  
**AS CONSTRUCTED**

<b>PROJECT LEADER</b> CK	<b>DESIGNER</b> MP	<b>SIGNATURE</b> C. KIRK	<b>RPEQ No.</b> 19536
<b>DRAFTSPERSON</b> MP	<b>SCALE</b> AS SHOWN	<b>DATE</b> 29/08/24	<b>SHEET SIZE</b> A1
<b>JOB No.</b> BR242001	<b>DRAWING No.</b> C4451	<b>REVISION</b>	<b>1</b>

ENGINEER'S CERTIFICATION

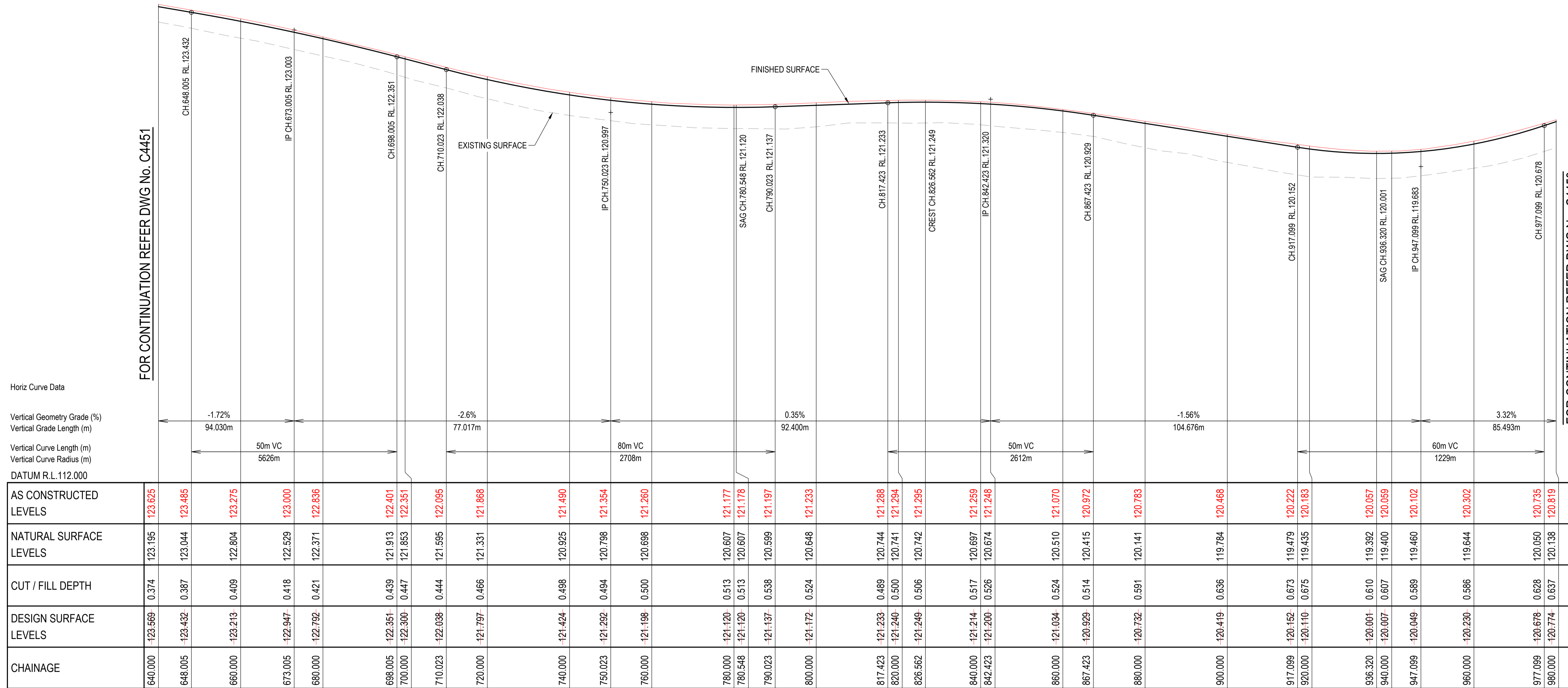
I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

Signed:  RPEQ No.: 19536  
 Dated: 30/05/2025

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FOR CONTINUATION REFER DWG No. C4451

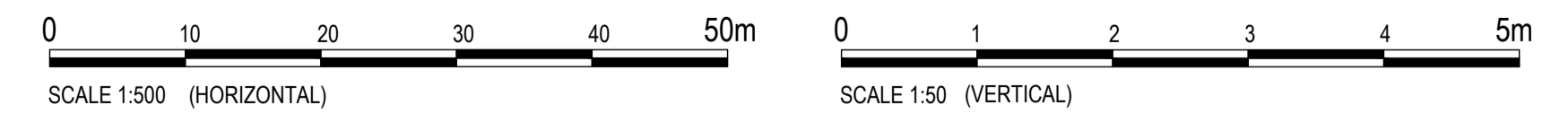
FOR CONTINUATION REFER DWG No. C4453



Horiz Curve Data  
 Vertical Geometry Grade (%)  
 Vertical Grade Length (m)  
 Vertical Curve Length (m)  
 Vertical Curve Radius (m)  
 DATUM R.L. 112.000

AS CONSTRUCTED LEVELS	123.625	123.485	123.275	123.000	122.836	122.401	122.351	122.095	121.868	121.490	121.354	121.260	121.177	121.178	121.197	121.233	121.288	121.294	121.295	121.259	121.248	121.070	120.972	120.783	120.468	120.222	120.183	120.057	120.059	120.102	120.302	120.735	120.819
NATURAL SURFACE LEVELS	123.195	123.044	122.804	122.529	122.371	121.913	121.853	121.595	121.331	120.925	120.798	120.698	120.607	120.607	120.599	120.648	120.744	120.741	120.742	120.697	120.674	120.510	120.415	120.141	119.784	119.479	119.435	119.392	119.400	119.460	119.644	120.050	120.138
CUT / FILL DEPTH	0.374	0.387	0.409	0.418	0.421	0.439	0.447	0.444	0.466	0.498	0.494	0.500	0.513	0.513	0.538	0.524	0.489	0.500	0.506	0.517	0.526	0.524	0.514	0.591	0.636	0.673	0.675	0.610	0.607	0.589	0.586	0.628	0.637
DESIGN SURFACE LEVELS	123.569	123.432	123.213	122.947	122.792	122.351	122.300	122.038	121.797	121.424	121.292	121.198	121.120	121.120	121.137	121.172	121.233	121.240	121.249	121.214	121.200	121.034	120.929	120.732	120.419	120.152	120.110	120.001	120.007	120.049	120.230	120.678	120.774
CHAINAGE	640.000	648.005	660.000	673.005	680.000	698.005	700.000	710.023	720.000	740.000	750.023	760.000	780.000	780.548	790.023	800.000	817.423	820.000	826.562	840.000	842.423	860.000	867.423	880.000	900.000	917.099	920.000	936.320	940.000	947.099	960.000	977.099	980.000

LONGITUDINAL SECTION - NEWLAND PLACE  
 HORIZONTAL SCALE 1:500  
 VERTICAL SCALE 1:50



REVISIONS:	REVISION DESCRIPTION	DATE
1	AS CONSTRUCTED	30/05/25
0	ISSUED FOR CONSTRUCTION	02/08/24



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 P.10/04/07 AK


CLIENT  
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 PO BOX 4107 SPRINGFIELD QLD 4300  
 SCALE

PROJECT TITLE  
**PROPOSED SUBDIVISION**  
 174 ADARE ROAD, ADARE, QLD 4343  
 STAGES 4 AND 5  
 DRAWING TITLE  
**ROAD LONGITUDINAL SECTION**  
 NEWLAND PLACE - SHEET 3

DRAWING STATUS			
<b>AS CONSTRUCTED</b>			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4452	REVISION 1	

**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

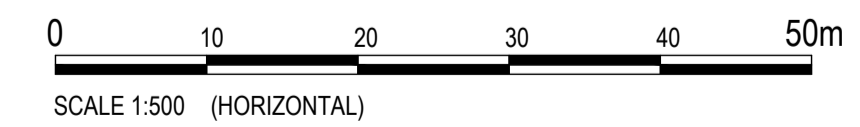
Signed:  RPEQ No.: **19536**  
 Dated: **30/05/2025**

FOR BACKGROUND ON VERTICAL HEIGHT DISCREPANCIES, REFER LETTER FROM NEWLANDS CIVIL (CIVIL CONTRACTOR), FILE NAME "2271 - Park Lake Adare Sig 4&5 - Ltr re Design shift" DATED 14 MARCH 2025. LETTER IS ATTACHED TO THE QA PACKAGE ACCORDINGLY. vdm NOTE THAT THE VERTICAL SHIFT DESIGN CHANGE WAS PERUSED PRIOR TO IMPLEMENTATION AND THAT THE DESIGN FUNCTIONS AS INTENDED RELATIVE TO A VERY SLIGHT AMENDMENT.



AS CONSTRUCTED LEVELS	120.302	120.735	120.819	121.480	121.725	122.088	122.350	122.448	122.546	122.558	122.567	122.578	122.576
NATURAL SURFACE LEVELS	119.644	120.050	120.138	120.724	120.973	121.281	121.595	121.701	121.862	121.875	121.875	121.771	121.542
CUT / FILL DEPTH	0.656	0.628	0.637	0.714	0.717	0.770	0.718	0.716	0.655	0.645	0.645	0.749	0.978
DESIGN SURFACE LEVELS	120.230	120.678	120.774	121.438	121.690	122.051	122.313	122.417	122.518	122.520	122.520	122.520	122.520
CHAINAGE	960.000	977.099	980.000	1000.000	1007.592	1020.000	1032.592	1040.000	1055.006	1057.592	1060.000	1071.036	1078.293

**LONGITUDINAL SECTION - NEWLAND PLACE**  
 HORIZONTAL SCALE 1:500  
 VERTICAL SCALE 1:50



No.	REVISION DESCRIPTION	DRAWN	DATE
1	AS CONSTRUCTED	JP	30/05/25
0	ISSUED FOR CONSTRUCTION	MP	02/08/24



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 IF IN DOUBT ASK.

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

SCALE

PROJECT TITLE  
**PROPOSED SUBDIVISION**  
 174 ADARE ROAD, ADARE, QLD 4343  
 STAGES 4 AND 5


DRAWING TITLE  
**ROAD LONGITUDINAL SECTION**  
 NEWLAND PLACE - SHEET 4

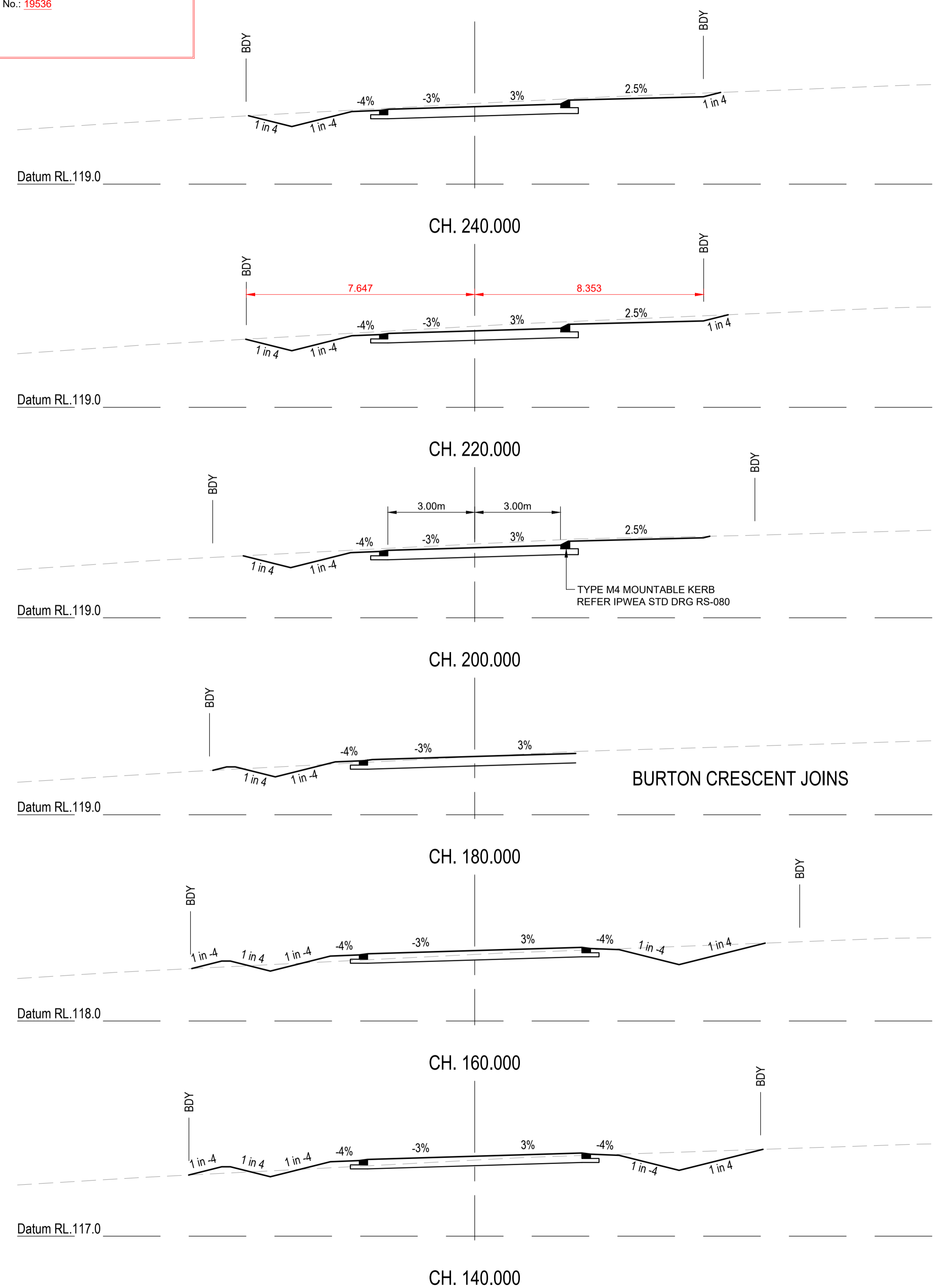
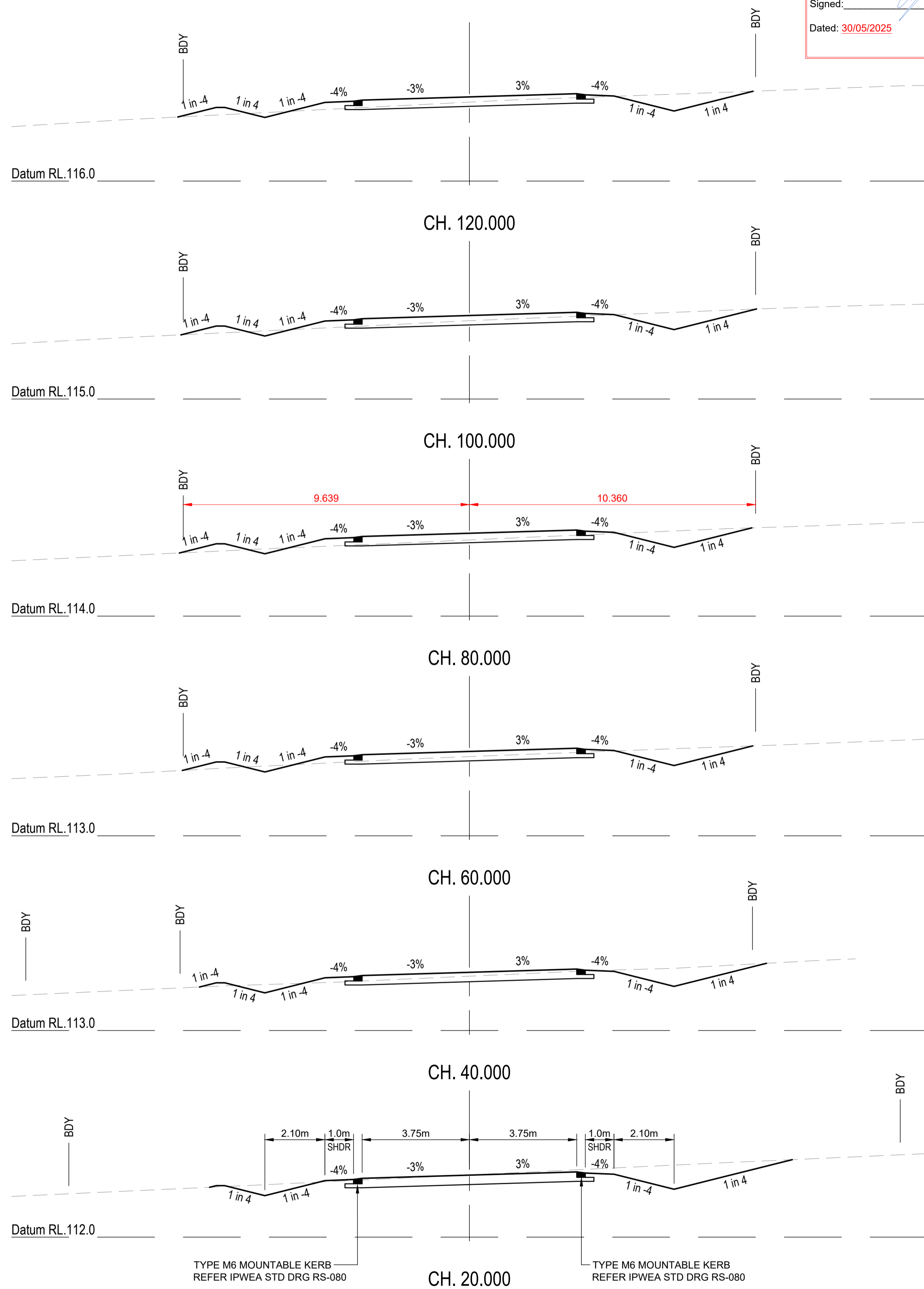
DRAWING STATUS  
**AS CONSTRUCTED**

PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4453	REVISION 1	

ENGINEER'S CERTIFICATION

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Signed:  RPEQ No.: 19536  
 Dated: 30/05/2025

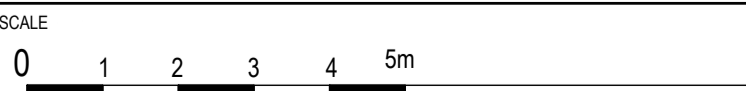


REVISIONS:	
No.	REVISION DESCRIPTION
2	AS CONSTRUCTED
0	ISSUED FOR CONSTRUCTION



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 LEVEL 3, 51 ALFRED STREET  
 FORTITUDE VALLEY QLD 4006  
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 www.vandermeer.com.au  
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 IF IN DOUBT ASK.

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 SCALE  
  
 SCALE 1:100

PROJECT TITLE  
**PROPOSED SUBDIVISION**  
 174 ADARE ROAD, ADARE, QLD 4343  
 STAGES 4 AND 5  
 DRAWING TITLE  
**ROAD CROSS SECTIONS**  
 NEWLAND PLACE - SHEET 1

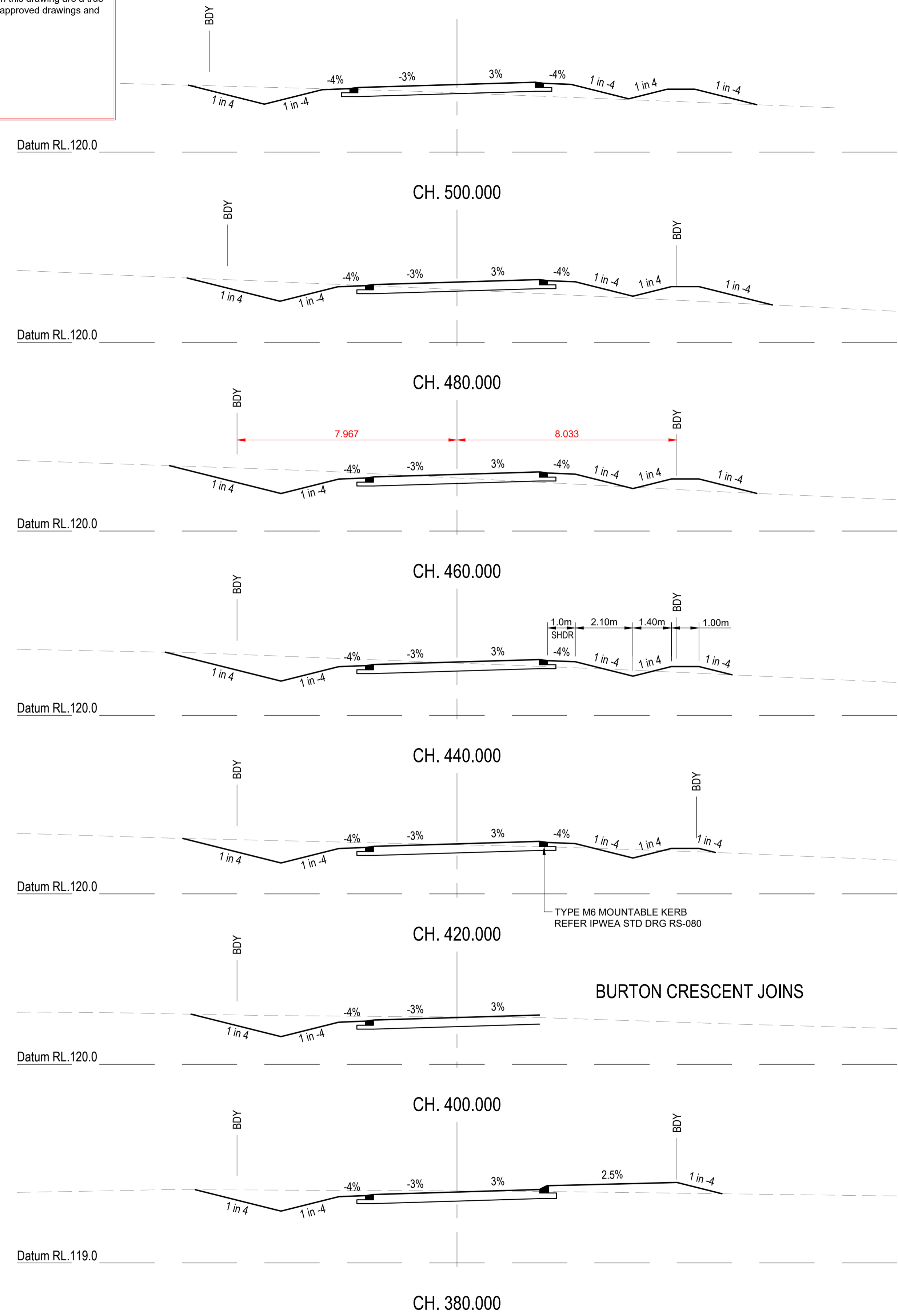
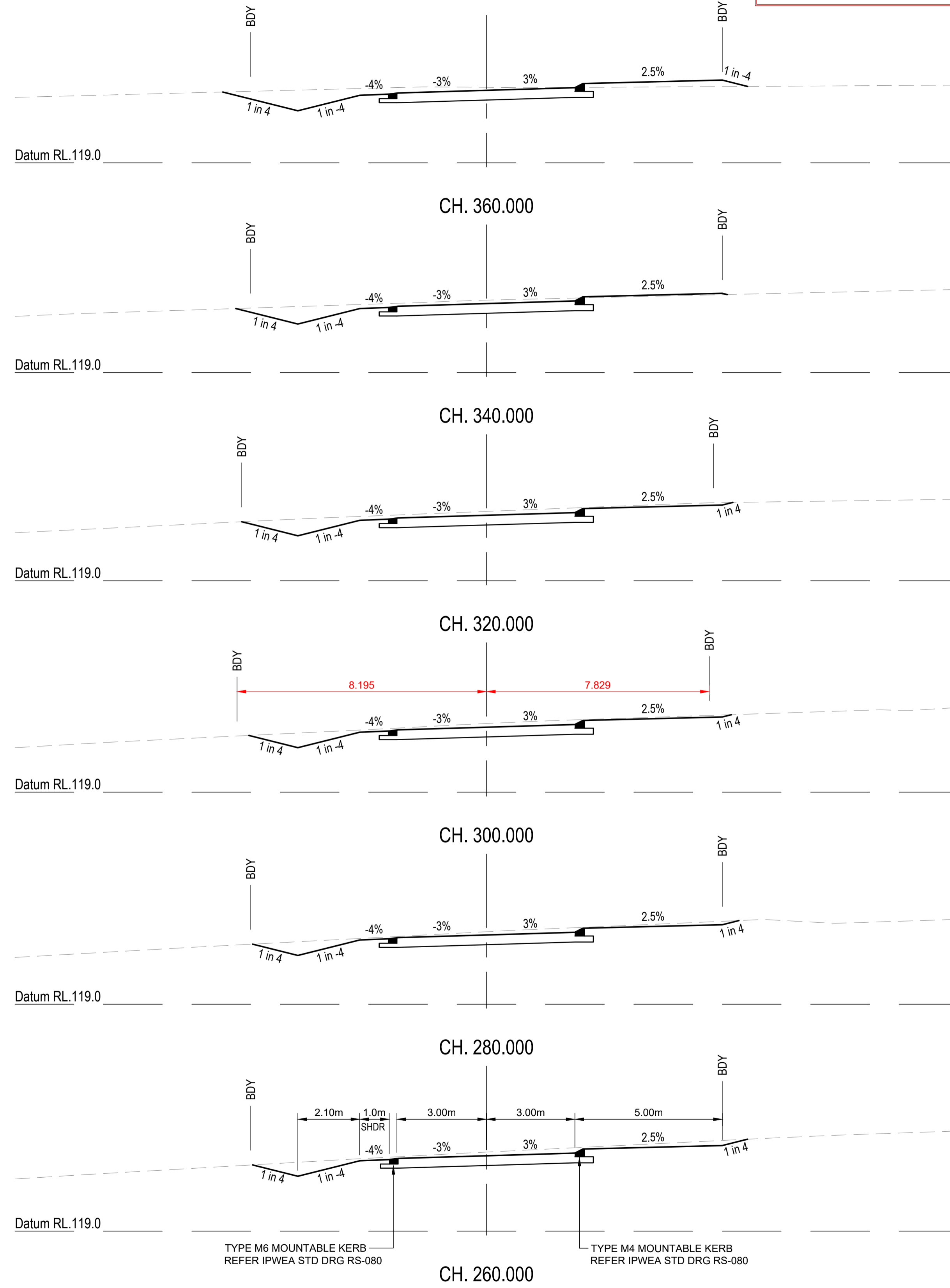
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<b>AS CONSTRUCTED</b>			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4454	REVISION 1	

ENGINEER'S CERTIFICATION

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

Signed: \_\_\_\_\_ RPEQ No.: 19536

Dated: 30/05/2025



REVISIONS:	
No.	REVISION DESCRIPTION
2	AS CONSTRUCTED
0	ISSUED FOR CONSTRUCTION

**PARKLAKE**  
ADARE

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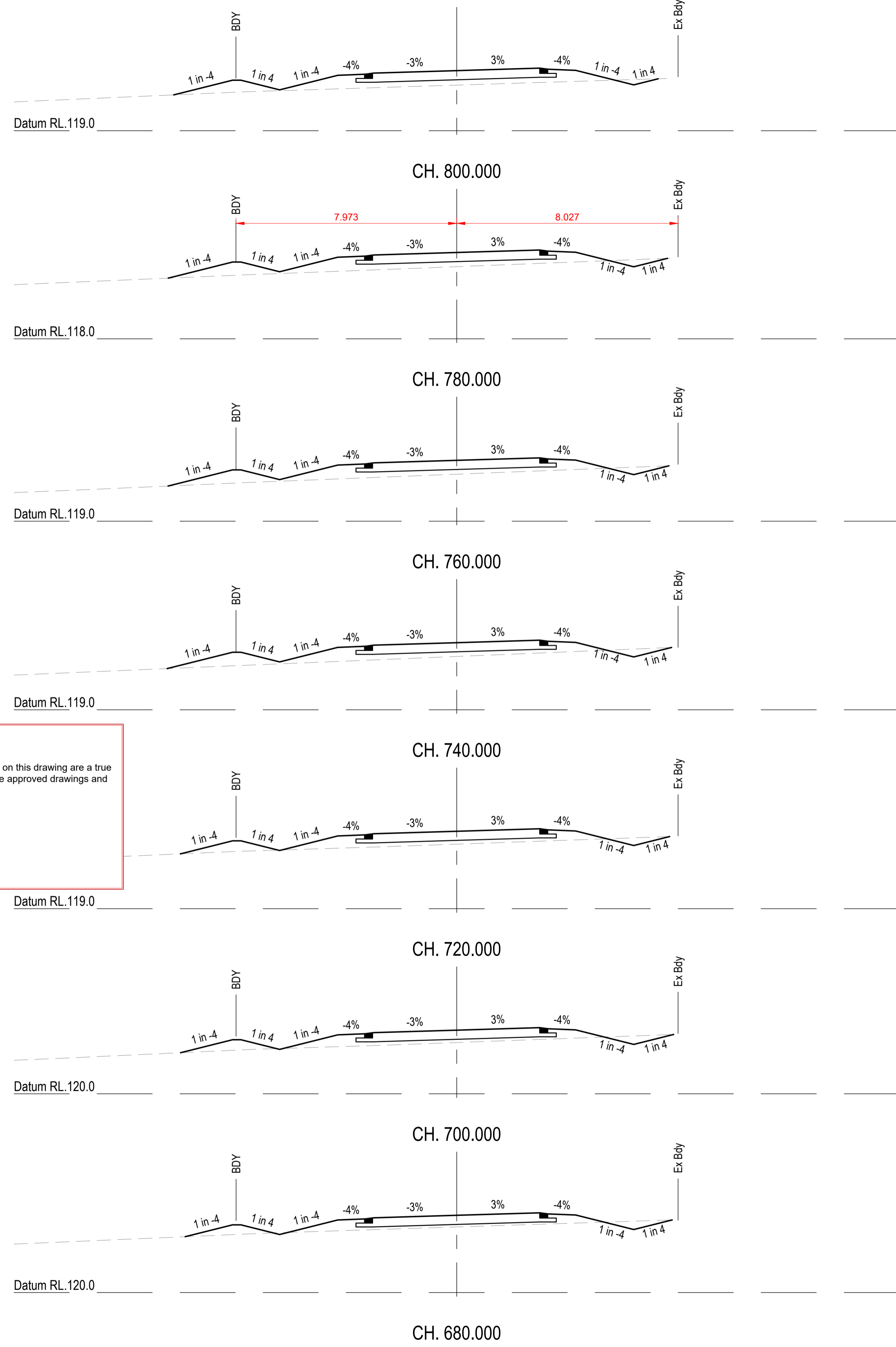
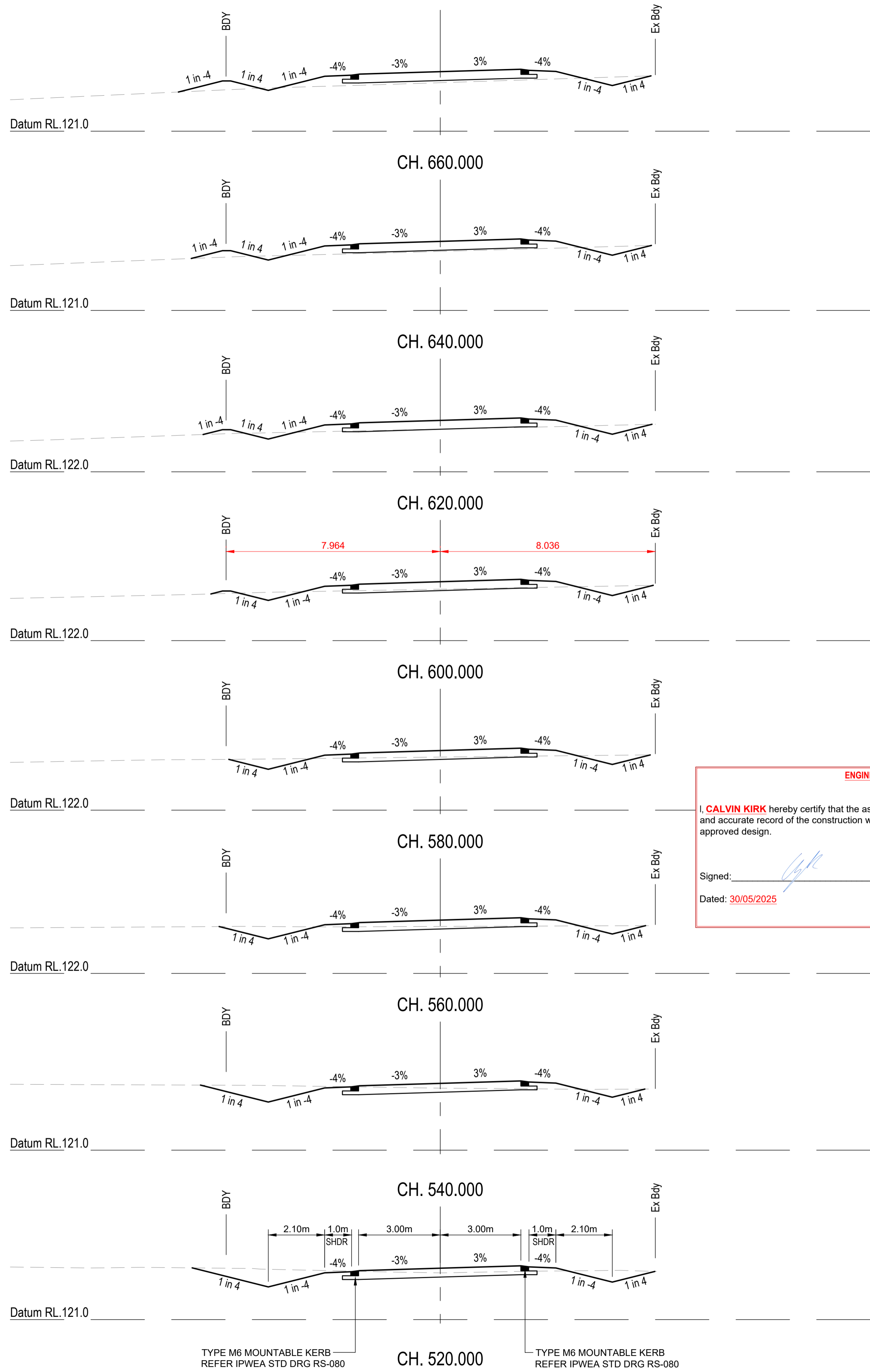
CLIENT  
**PARK LAKE ADARE PTY LTD**  
PO BOX 4107 SPRINGFIELD QLD 4300

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

PROJECT TITLE  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5


DRAWING TITLE  
**ROAD CROSS SECTIONS**  
NEWLAND PLACE - SHEET 2

DRAWING STATUS			
AS CONSTRUCTED			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4455	REVISION 1	



**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

Signed:  RPEQ No.: **19536**

Dated: **30/05/2025**

REVISIONS:	
No.	REVISION DESCRIPTION
2	AS CONSTRUCTED
0	ISSUED FOR CONSTRUCTION



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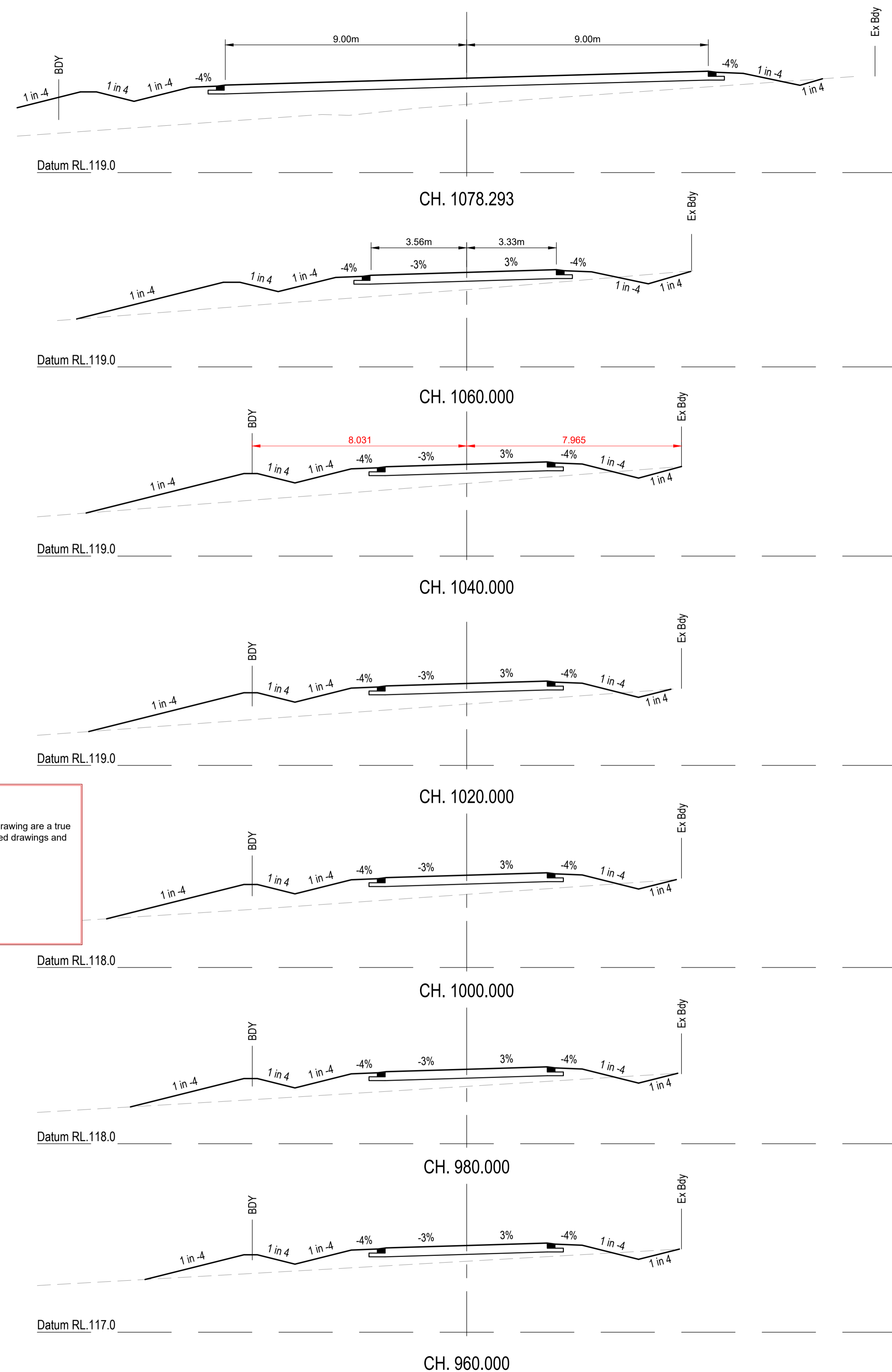
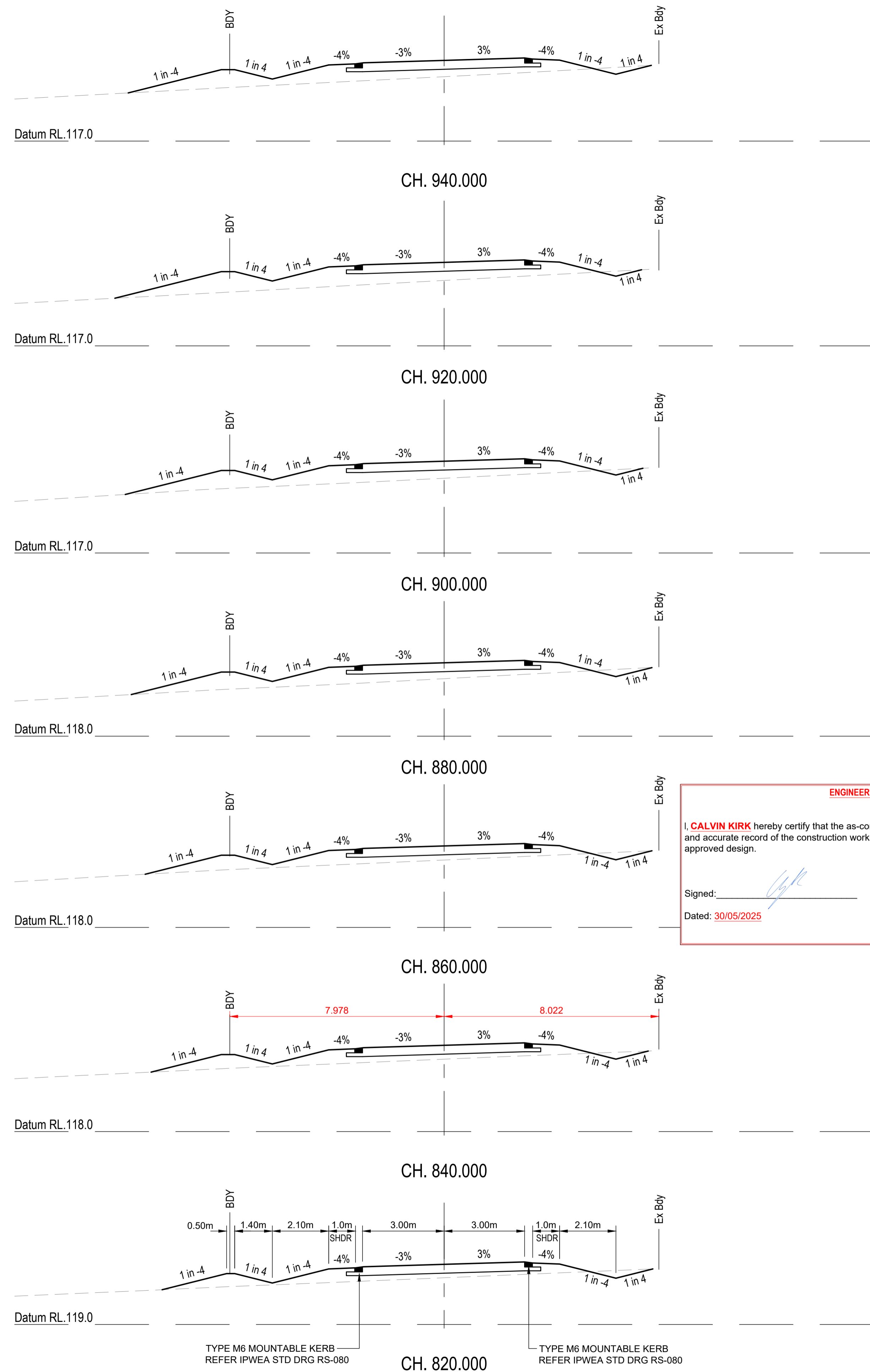
CLIENT  
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PO BOX 4107 SPRINGFIELD QLD 4300

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

PROJECT TITLE  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5


DRAWING TITLE  
**ROAD CROSS SECTIONS**  
NEWLAND PLACE - SHEET 3

DRAWING STATUS			
<b>AS CONSTRUCTED</b>			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4456	REVISION 1	



**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

Signed:  RPEQ No.: **19536**

Dated: **30/05/2025**

REVISIONS:	
No.	REVISION DESCRIPTION
2	AS CONSTRUCTED
0	ISSUED FOR CONSTRUCTION

**PARKLAKE**  
ADARE

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

PROJECT TITLE  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5


DRAWING TITLE  
**ROAD CROSS SECTIONS**  
NEWLAND PLACE - SHEET 4

DRAWING STATUS			
<b>AS CONSTRUCTED</b>			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4457	REVISION 1	

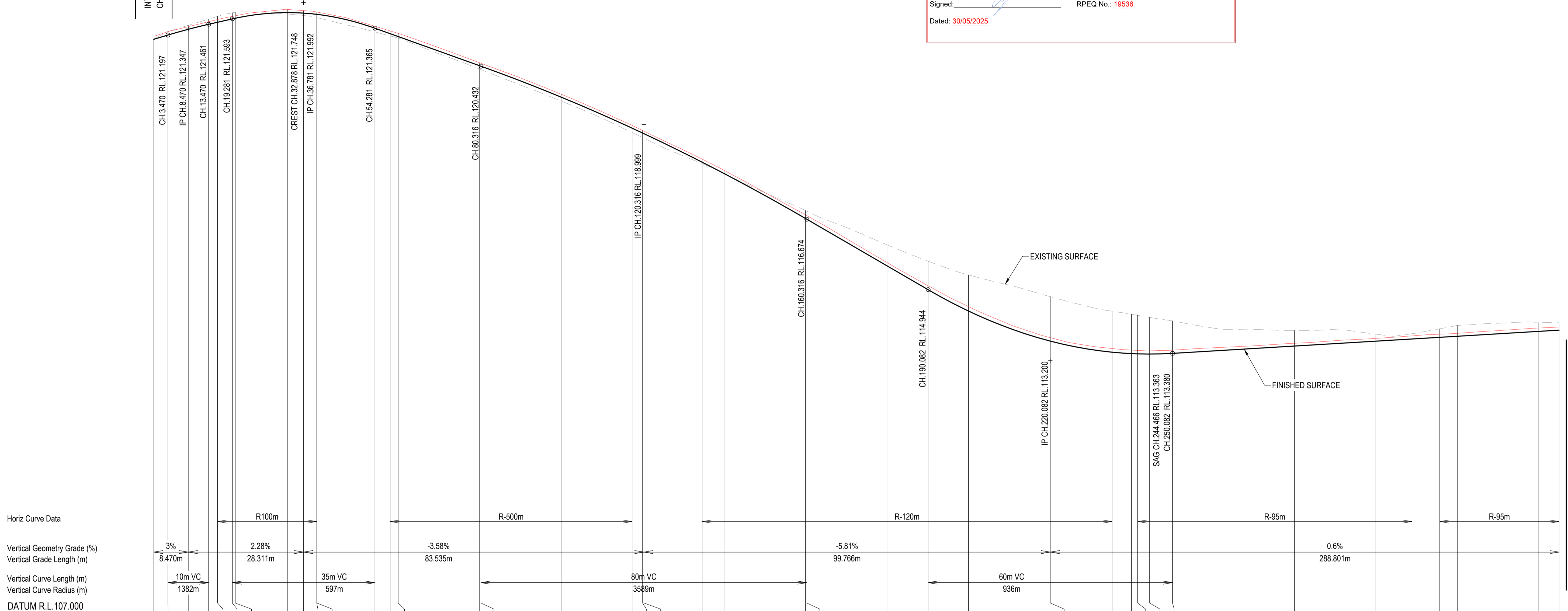
INTERSECTION - NEWLAND PLACE  
CH.0.000

**ENGINEER'S CERTIFICATION**

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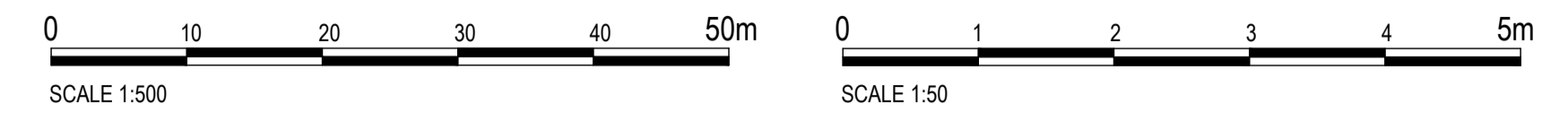
Signed:  RPEQ No.: 19536  
Dated: 30/05/2025

FOR BACKGROUND ON VERTICAL HEIGHT DISCREPANCIES; REFER LETTER FROM NEWLANDS CIVIL (CIVIL CONTRACTOR), FILE NAME "2271 - Park Lake Adare Stg 4&5 - Ltr re Design shift" DATED 14 MARCH 2025. LETTER IS ATTACHED TO THE QA PACKAGE ACCORDINGLY. vdm NOTE THAT THE VERTICAL SHIFT DESIGN CHANGE WAS PERUSED PRIOR TO IMPLEMENTATION AND THAT THE DESIGN FUNCTIONS AS INTENDED RELATIVE TO A VERY SLIGHT AMENDMENT.



CHAINAGE	AS CONSTRUCTED LEVELS	NATURAL SURFACE LEVELS	CUT / FILL DEPTH	DESIGN SURFACE LEVELS
0.000	121.164	121.103	-0.010	-121.093
3.470	121.280	121.285	-0.087	-121.197
8.470	121.403	121.436	-0.098	-121.338
13.470	121.525	121.588	-0.127	-121.461
15.650	121.578	121.654	-0.143	-121.511
19.281	121.655	121.743	-0.150	-121.593
20.000	121.669	121.757	-0.147	-121.609
32.878	121.824	121.713	0.035	-121.748
36.781	121.797	121.676	0.060	-121.735
40.000	121.762	121.626	0.080	-121.706
40.021	121.762	121.625	0.080	-121.706
54.281	121.414	121.274	0.091	-121.365
58.038	121.298	121.175	0.056	-121.230
60.000	121.238	121.123	0.037	-121.160
80.000	120.515	120.361	0.082	-120.443
80.316	120.503	120.348	0.084	-120.432
100.000	119.745	119.576	0.096	-119.673
117.428	118.978	118.802	0.108	-118.910
120.000	118.653	118.679	0.112	-118.791
120.316	118.638	118.664	0.112	-118.776
134.629	118.150	118.038	0.037	-118.075
140.000	117.876	117.795	0.002	-117.797
160.000	116.781	116.886	-0.194	-116.692
160.316	116.763	116.871	-0.197	-116.674
180.000	115.611	116.047	-0.517	-115.530
190.082	115.042	115.643	-0.700	-114.944
200.000	114.529	115.307	-0.887	-114.420
220.000	113.768	114.775	-1.092	-113.683
220.082	113.766	114.772	-1.091	-113.681
235.258	113.499	114.415	-1.007	-113.409
240.000	113.461	114.343	-0.969	-113.374
241.529	113.453	114.314	-0.947	-113.368
244.466	113.442	114.263	-0.900	-113.363
250.082	113.458	114.178	-0.798	-113.380
260.000	113.517	114.002	-0.563	-113.440
280.000	113.628	113.942	-0.382	-113.560
300.000	113.748	113.853	-0.173	-113.680
308.860	113.809	113.863	-0.130	-113.733
315.692	113.850	113.983	-0.209	-113.774
320.000	113.872	114.063	-0.264	-113.800
340.000	114.003	114.143	-0.223	-113.920
345.000	114.026	114.132	-0.182	-113.950

**LONGITUDINAL SECTION - BURTON CRESCENT**  
HORIZONTAL SCALE 1:500  
VERTICAL SCALE 1:50



REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
1	AS CONSTRUCTED	JP	30/05/25
0	ISSUED FOR CONSTRUCTION	MP	02/08/24



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P.10/04/07 AK

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SCALE

PROJECT TITLE  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5

DRAWING TITLE  
**ROAD LONGITUDINAL SECTION**  
BURTON CRESCENT - SHEET 1

DRAWING STATUS  
**AS CONSTRUCTED**

PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ No. 19536
DRAFTSPERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4458	REVISION 1	

FOR CONTINUATION REFER DWG No. C4459

**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

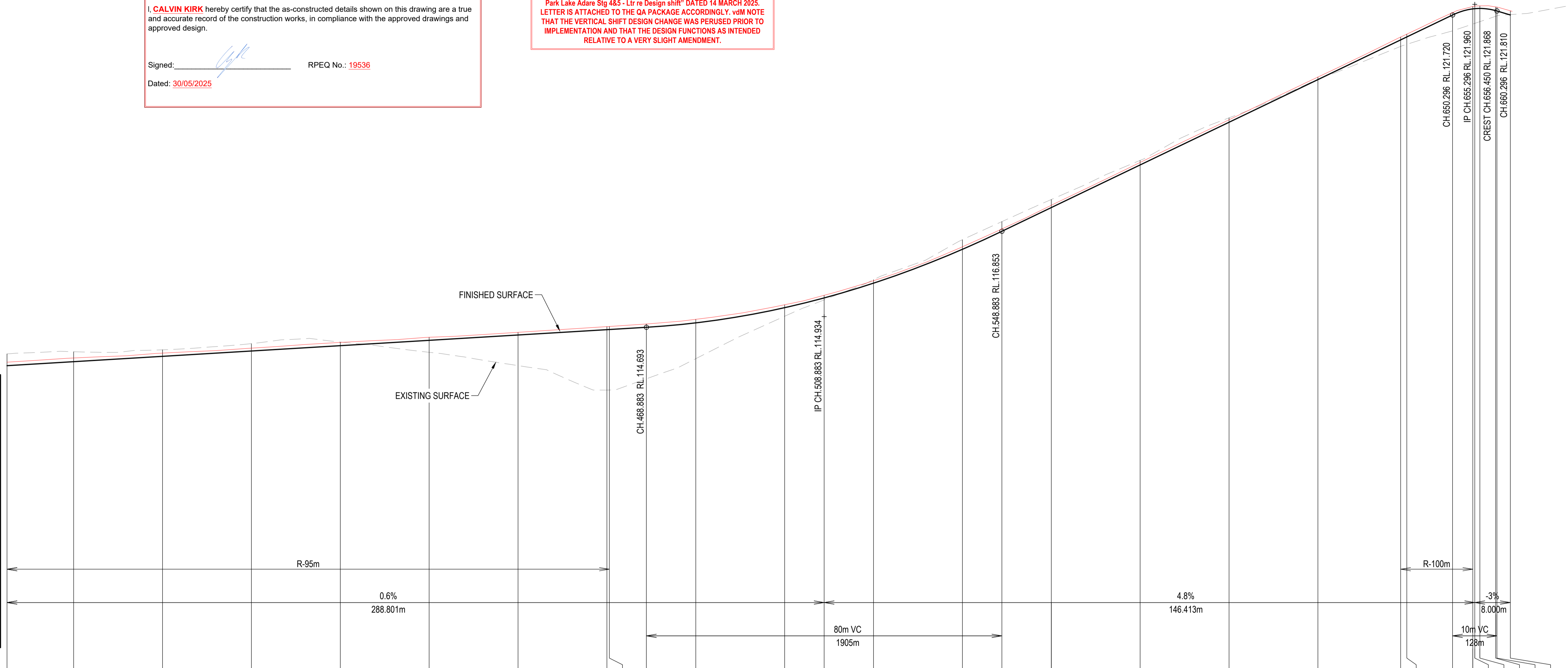
Signed: \_\_\_\_\_ RPEQ No.: **19536**

Dated: **30/05/2025**

**FOR BACKGROUND ON VERTICAL HEIGHT DISCREPANCIES, REFER LETTER FROM NEWLANDS CIVIL (CIVIL CONTRACTOR), FILE NAME "2271 - Park Lake Adare Stg 4&5 - Ltr re Design shift" DATED 14 MARCH 2025. LETTER IS ATTACHED TO THE QA PACKAGE ACCORDINGLY. vdm NOTE THAT THE VERTICAL SHIFT DESIGN CHANGE WAS PERUSED PRIOR TO IMPLEMENTATION AND THAT THE DESIGN FUNCTIONS AS INTENDED RELATIVE TO A VERY SLIGHT AMENDMENT.**

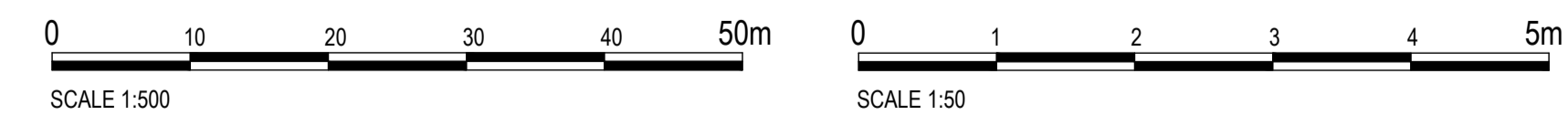
FOR CONTINUATION REFER DWG No. C4458

Horiz Curve Data  
Vertical Geometry Grade (%)  
Vertical Grade Length (m)  
Vertical Curve Length (m)  
Vertical Curve Radius (m)  
DATUM R.L. 107.000



AS CONSTRUCTED LEVELS	113.907	114.003	114.112	114.224	114.353	114.469	114.560	114.708	114.711	114.767	114.873	115.200	115.413	115.741	116.504	116.906	117.439	118.403	119.363	120.324	121.224	121.289	121.774	121.912	121.923	121.925	121.819	121.902	121.815
NATURAL SURFACE LEVELS	114.084	114.143	114.186	114.326	114.360	114.130	113.831	113.281	113.281	113.534	113.988	114.942	115.310	115.764	116.664	117.071	117.588	118.449	119.406	120.278	121.014	121.061	121.363	121.517	121.532	121.571	121.691	121.729	
CUT / FILL DEPTH	-0.285	-0.223	-0.146	-0.166	-0.080	0.270	0.689	1.360	1.362	1.159	0.805	0.192	0.044	-0.078	-0.216	-0.218	-0.182	-0.102	-0.100	-0.012	0.146	0.165	0.357	0.341	0.331	0.297	0.128	-0.009	
DESIGN SURFACE LEVELS	113.890	113.920	114.040	114.160	114.280	114.400	114.520	114.640	114.643	114.693	114.793	115.134	115.363	115.686	116.448	116.863	117.387	118.347	119.306	120.266	121.160	121.226	121.720	121.868	121.863	121.819	121.810	121.720	
CHAINAGE	325.000	340.000	360.000	380.000	400.000	420.000	440.000	460.000	460.556	468.883	480.000	500.000	508.883	520.000	540.000	548.883	560.000	580.000	600.000	620.000	638.619	640.000	650.296	654.659	656.450	660.000	660.296	663.296	

**LONGITUDINAL SECTION - BURTON CRESCENT**  
HORIZONTAL SCALE 1:500  
VERTICAL SCALE 1:50



No.	REVISION DESCRIPTION	DRAWN	DATE
1	AS CONSTRUCTED	JP	30/05/25
0	ISSUED FOR CONSTRUCTION	MP	02/08/24



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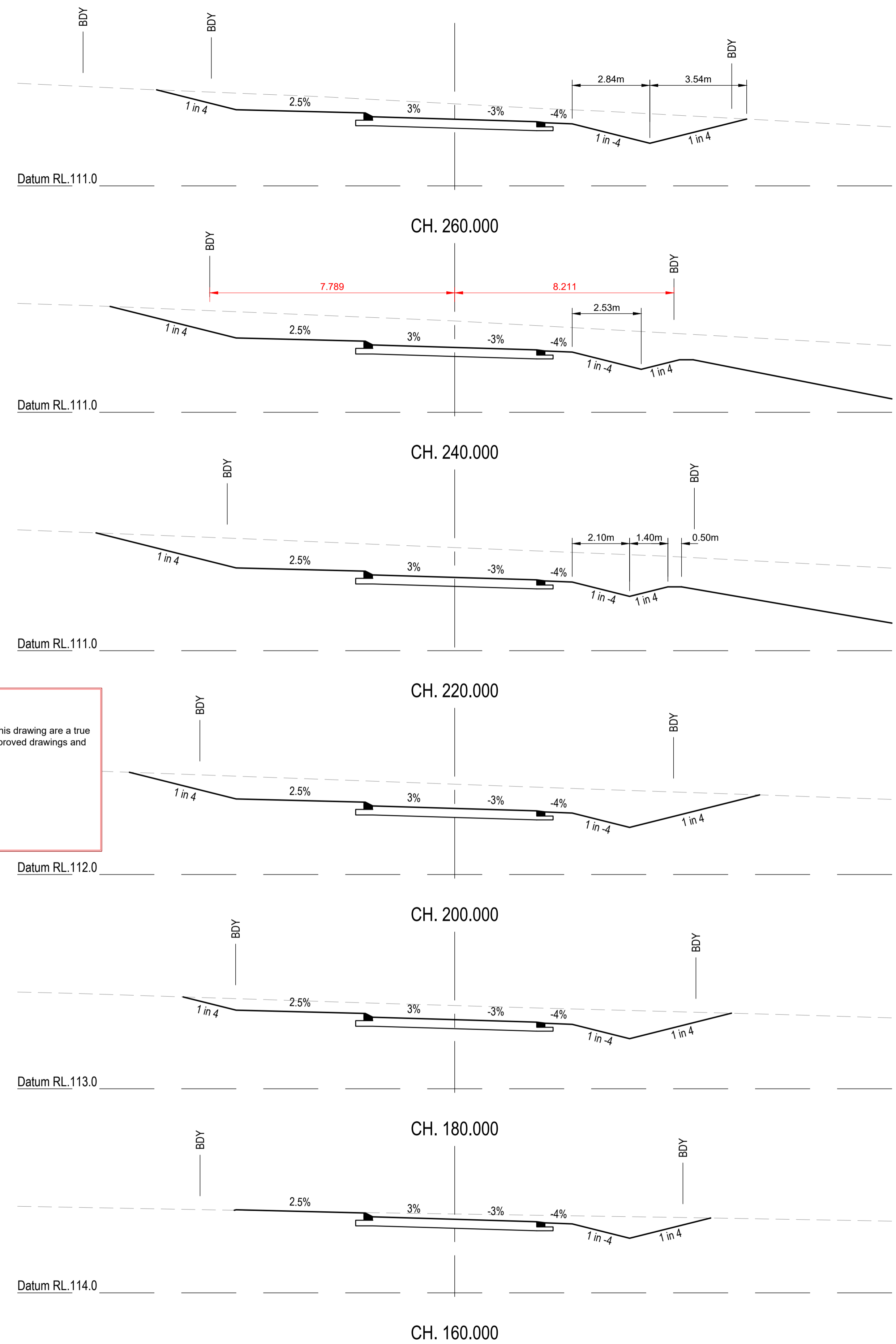
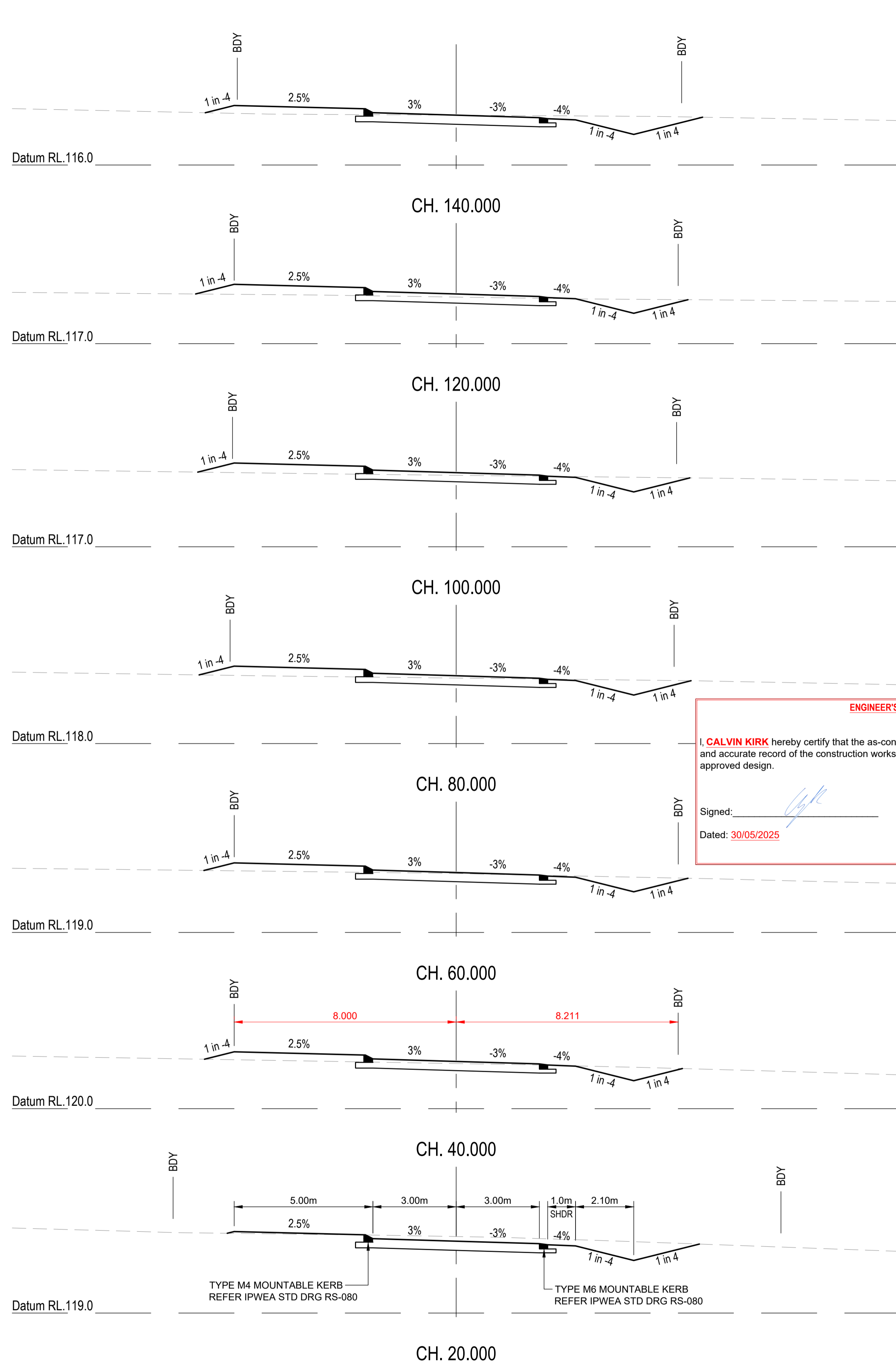
**PROJECT TITLE**  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5

**DRAWING TITLE**  
**ROAD LONGITUDINAL SECTION**  
BURTON CRESCENT - SHEET 2

**DRAWING STATUS**  
**AS CONSTRUCTED**


PROJECT LEADER <b>CK</b>	DESIGNER <b>MP</b>	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON <b>MP</b>	SCALE <b>AS SHOWN</b>	DATE <b>29/08/24</b>	SHEET SIZE <b>A1</b>
JOB No. <b>BR242001</b>	DRAWING No. <b>C4459</b>	REVISION <b>1</b>	

INTERSECTION - NEWLAND PLACE  
CH 663.296



**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

Signed:  RPEQ No.: **19536**

Dated: **30/05/2025**

No.	REVISION DESCRIPTION	DRAWN	DATE
3	AS CONSTRUCTED	JP	30/05/25
2	STORMWATER BASIN AND FIRE TRIAL UPDATED	MP	20/01/25
1	STORMWATER BASIN AND FIRE TRIAL UPDATED	MP	31/10/24
0	ISSUED FOR CONSTRUCTION	MP	02/08/24



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

**PROJECT TITLE**  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5

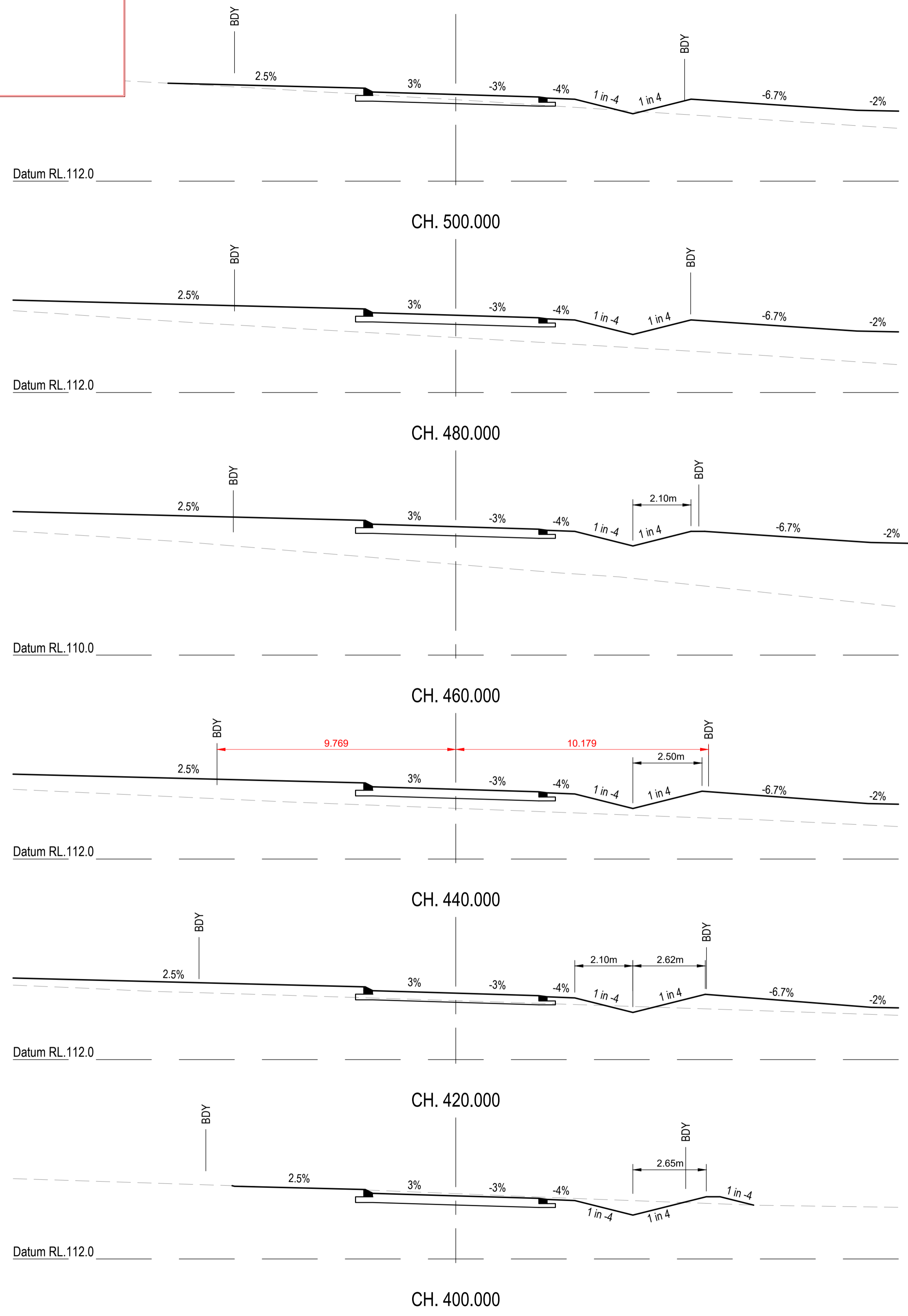
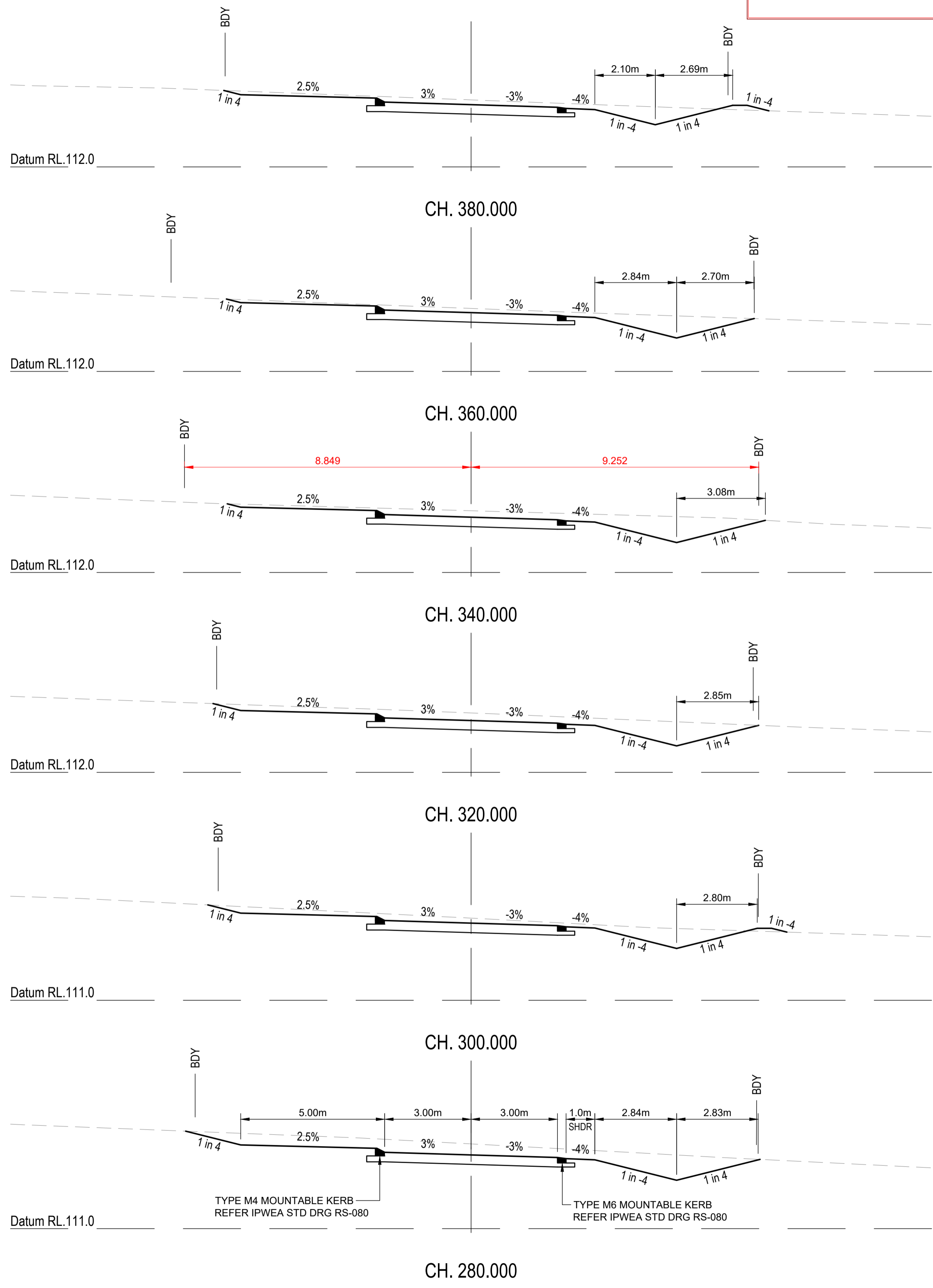
**DRAWING TITLE**  
**ROAD CROSS SECTIONS**  
BURTON CRESCENT - SHEET 1

DRAWING STATUS			
<b>AS CONSTRUCTED</b>			
PROJECT LEADER <b>CK</b>	DESIGNER <b>MP</b>	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON <b>MP</b>	SCALE <b>AS SHOWN</b>	DATE <b>29/08/24</b>	SHEET SIZE <b>A1</b>
JOB No. <b>BR242001</b>	DRAWING No. <b>C4460</b>	REVISION <b>3</b>	

**ENGINEER'S CERTIFICATION**

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Signed: \_\_\_\_\_ RPEQ No.: **19536**  
 Dated: **30/05/2025**



REVISIONS:			
No.	REVISION DESCRIPTION	DRAWN	DATE
1	AS CONSTRUCTED	JP	30/05/25
0	ISSUED FOR CONSTRUCTION	MP	02/08/24



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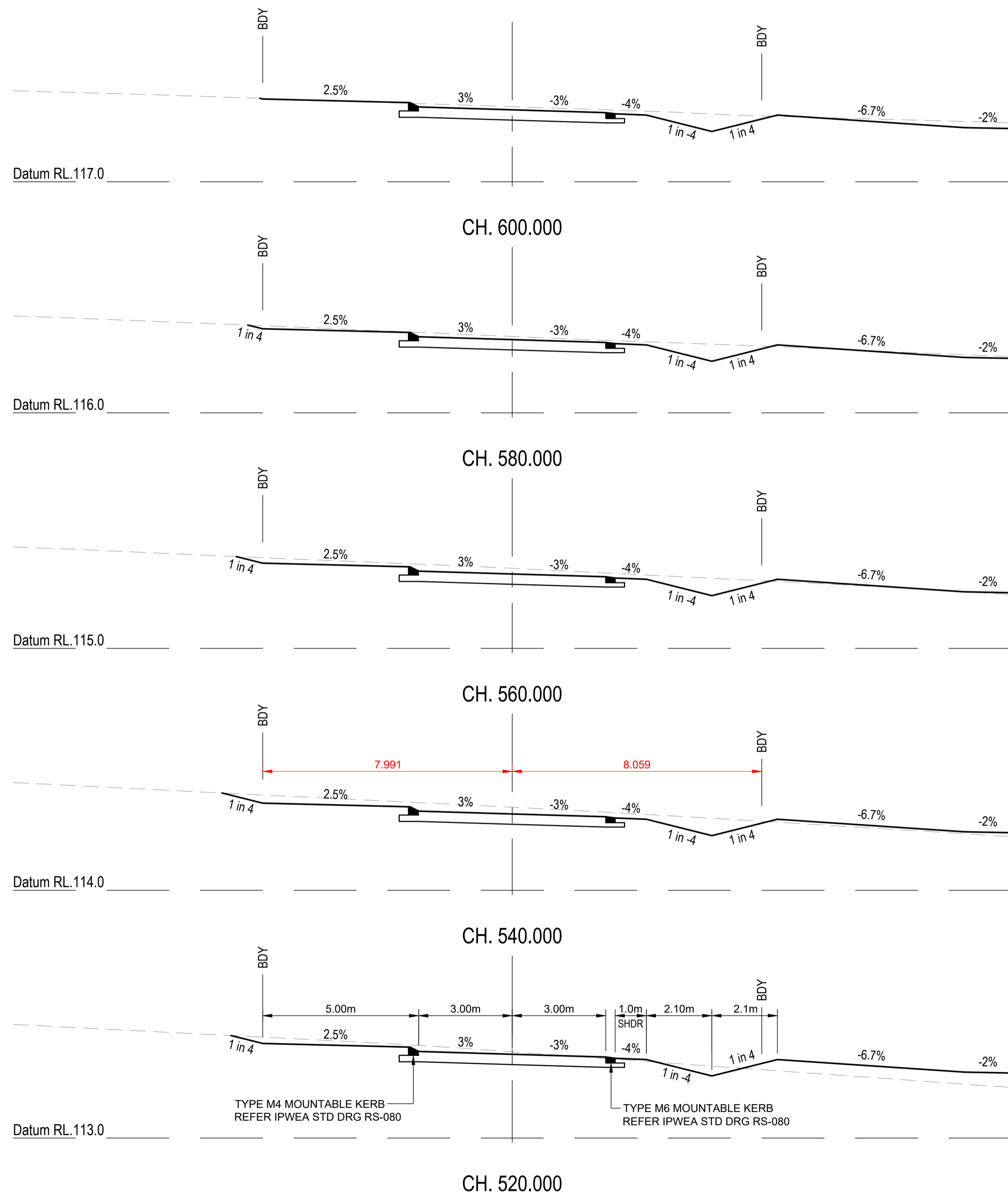
CLIENT  
**PARK LAKE ADARE PTY LTD**  
 PO BOX 4107 SPRINGFIELD QLD 4300

SCALE  
  
 SCALE 1:100

PROJECT TITLE  
**PROPOSED SUBDIVISION**  
 174 ADARE ROAD, ADARE, QLD 4343  
 STAGES 4 AND 5


DRAWING TITLE  
**ROAD CROSS SECTIONS**  
 BURTON CRESCENT - SHEET 2

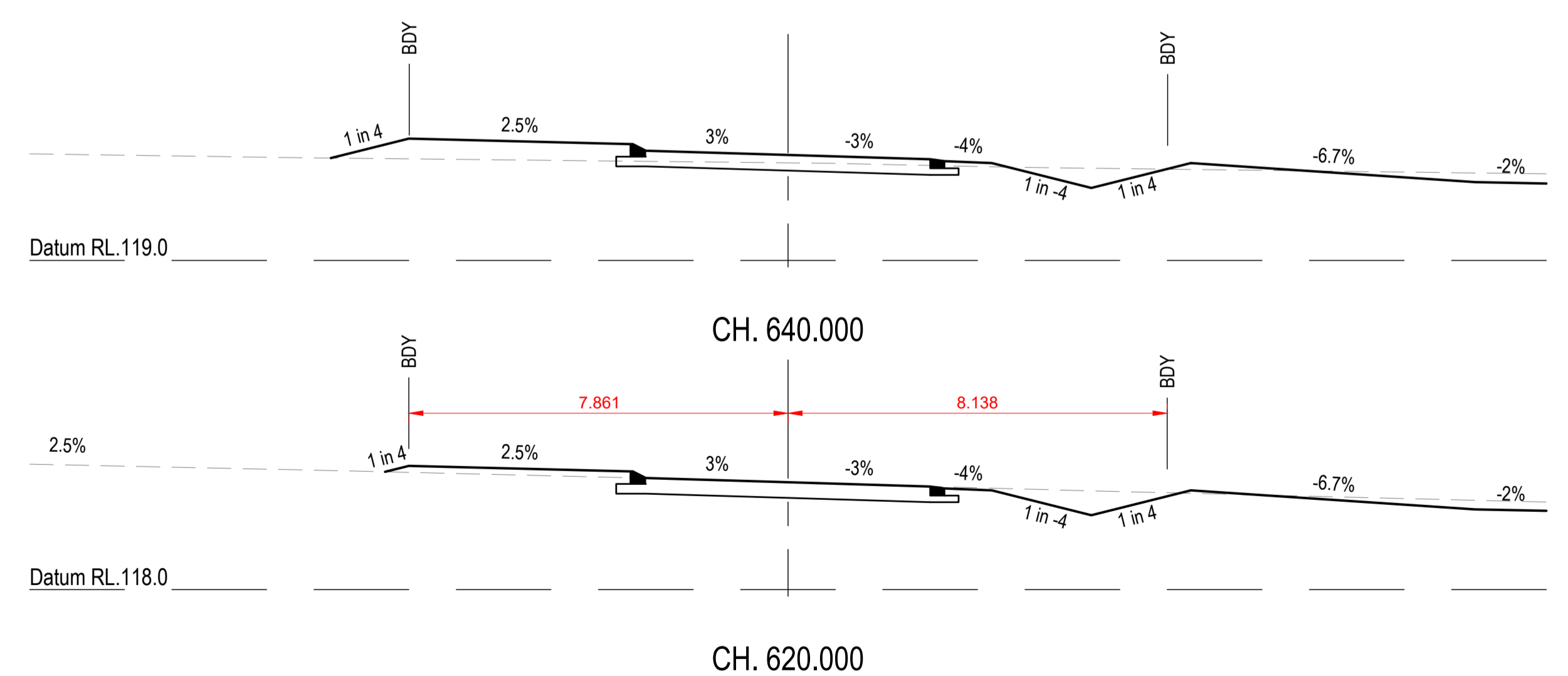
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<b>AS CONSTRUCTED</b>			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4461	REVISION 1	



**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.


Signed:  RPEQ No.: 19536  
Dated: 30/05/2025



REVISIONS:			
No.	REVISION DESCRIPTION	DRAWN	DATE
1	AS CONSTRUCTED	JP	30/05/25
0	ISSUED FOR CONSTRUCTION	MP	02/08/24



**van der Meer Consulting**

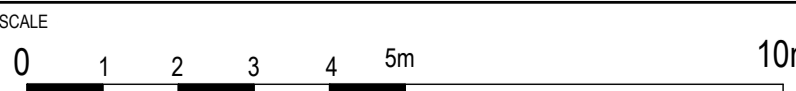


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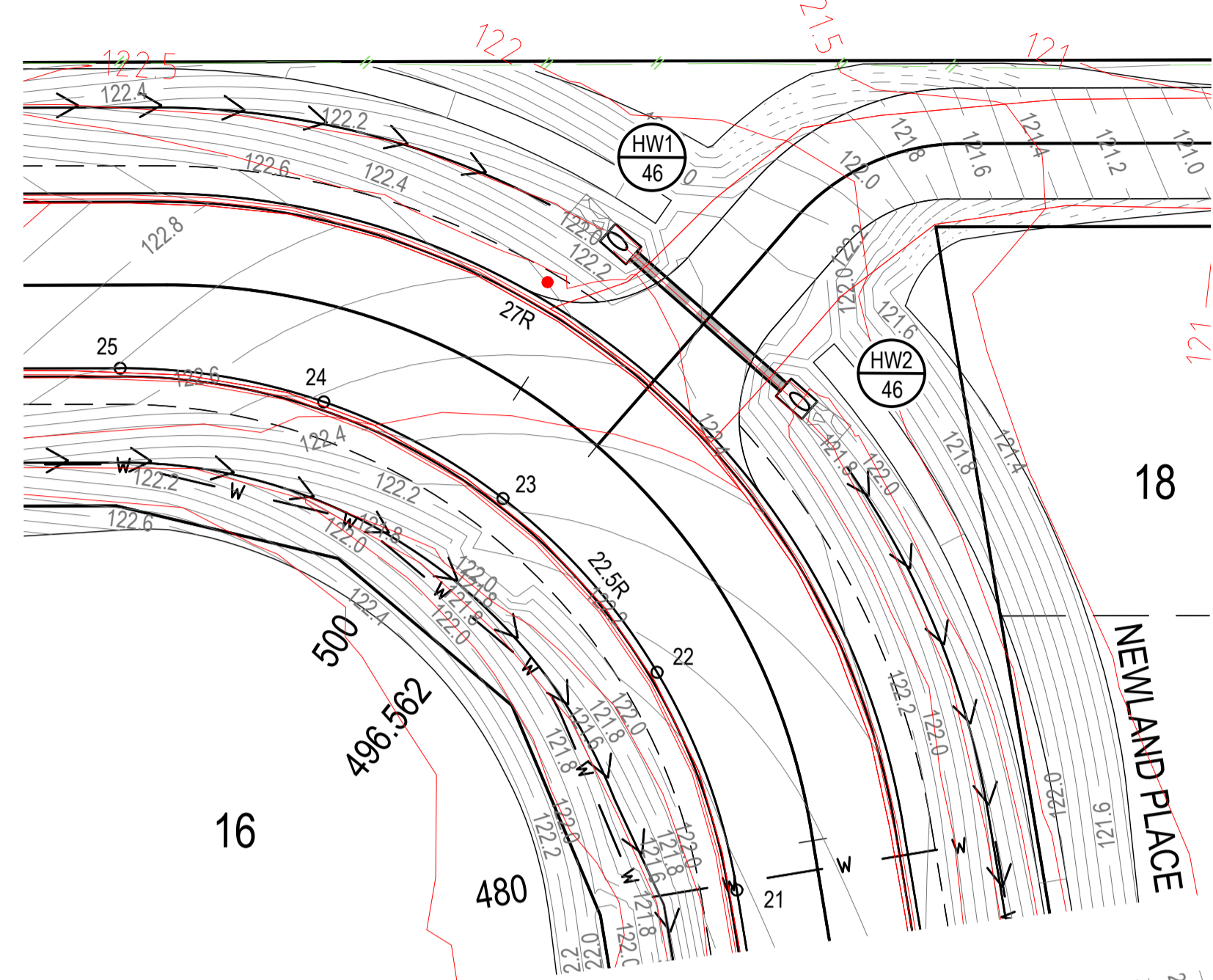
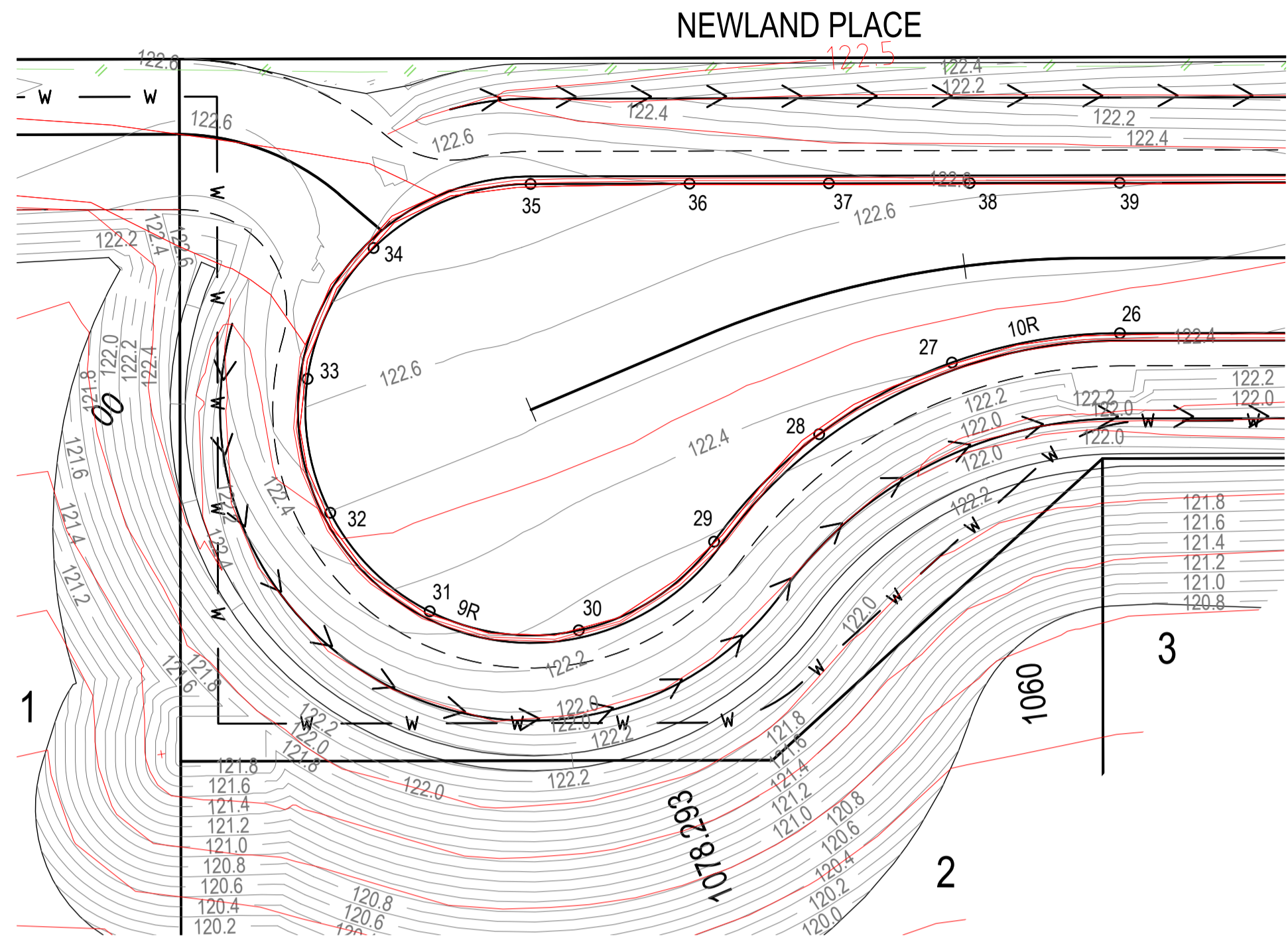
CLIENT  
**PARK LAKE ADARE PTY LTD**  
PO BOX 4107 SPRINGFIELD QLD 4300

SCALE  
  
SCALE 1:100

PROJECT TITLE  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5

DRAWING TITLE  
**ROAD CROSS SECTIONS**  
BURTON CRESCENT - SHEET 3

DRAWING STATUS			
<b>AS CONSTRUCTED</b>			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4462	REVISION 1	

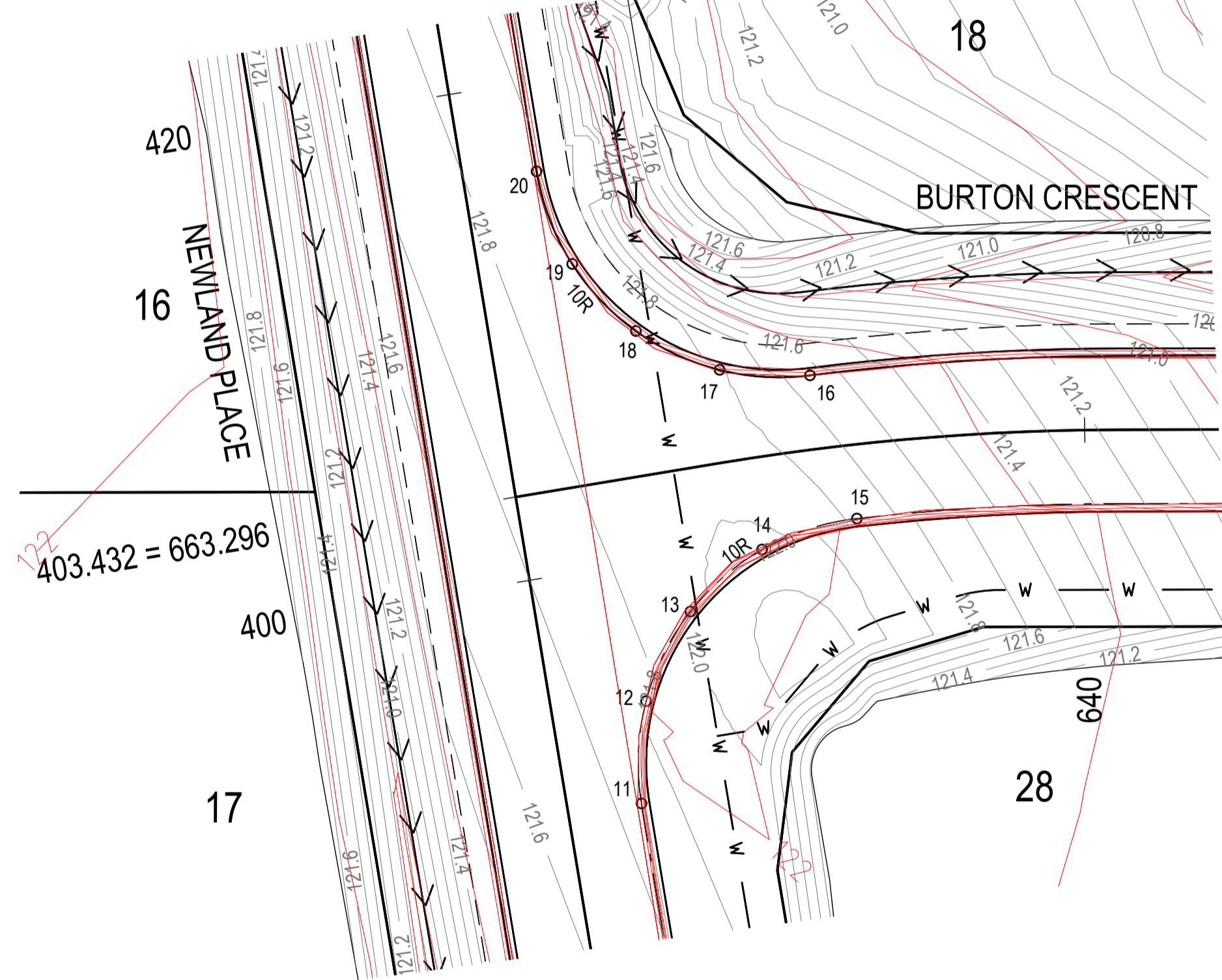
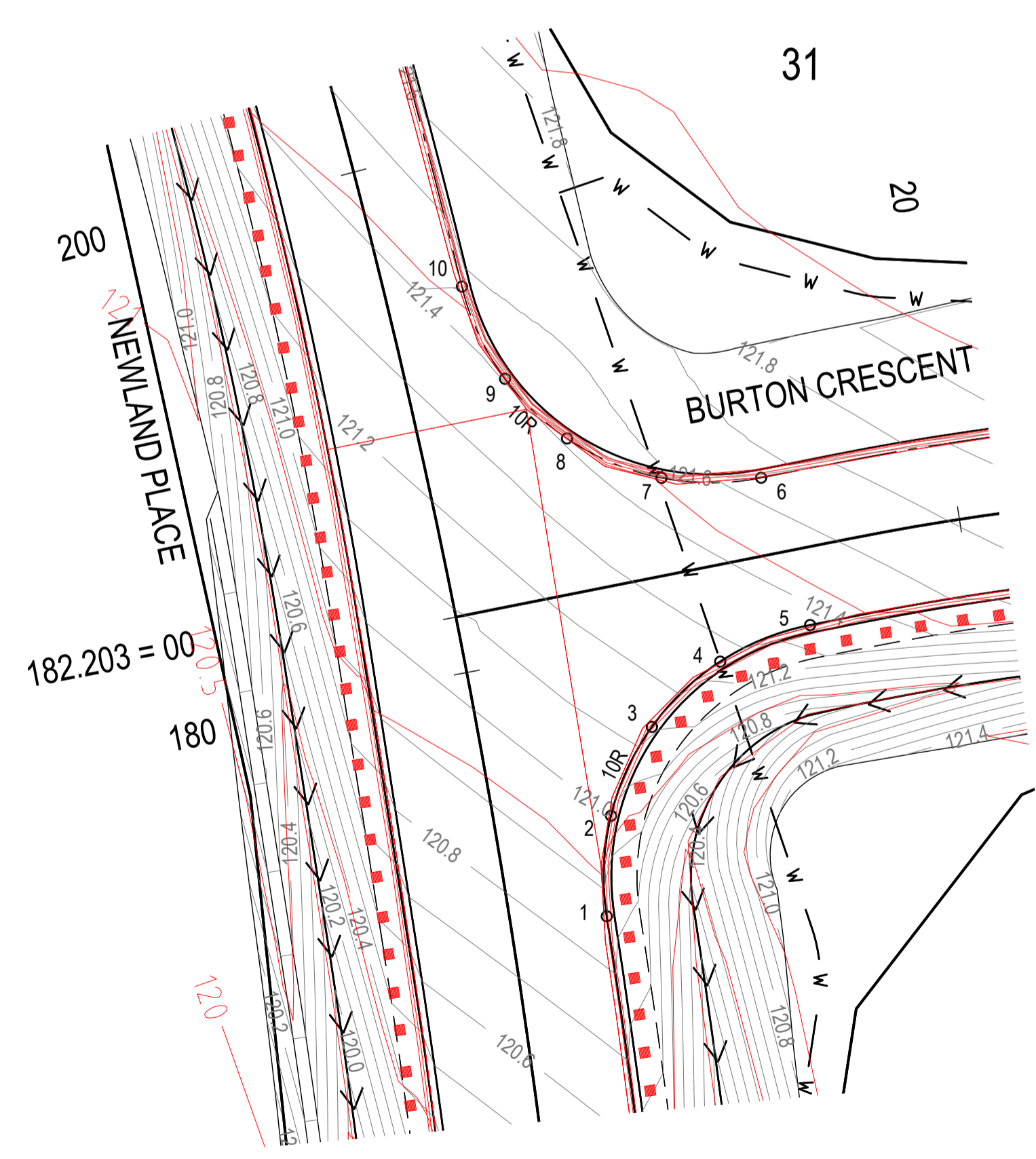


EXISTING		PROPOSED	
	FENCE		OPEN DRAIN
	OPEN DRAIN		MOUNTABLE KERB TYPE M4
	MOUNTABLE KERB TYPE M4		MOUNTABLE KERB TYPE M6
	MOUNTABLE KERB TYPE M6		CONTOUR (0.1m)
	ROAD EDGE BITUMEN		ROAD EDGE BITUMEN
	TREE TO REMAIN		ROAD SHOULDER
	TREE TO BE REMOVED		DRAINAGE

**SERVICES (PUP) LEGEND**

	EXISTING	PROPOSED
COMMUNICATIONS		
DRAINAGE (unknown dia.)		
DRAINAGE (known dia.)		
ELECTRICITY		
O/H ELECTRICITY & POLE		
GAS		
WATER MAIN		

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



**KERB LIP SETOUT / LEVELS**

POINT	EASTING	NORTHING	LEVEL	
1	430164.548	6954708.994	-120.867	120.933
2	430165.305	6954712.842	-120.993	120.933
3	430167.403	6954716.022	-121.137	121.168
4	430170.422	6954718.135	-121.268	121.333
5	430174.102	6954719.016	-121.371	121.445
6	430173.084	6954724.976	-121.534	121.600
7	430169.241	6954725.561	-121.458	121.553
8	430165.833	6954727.639	-121.410	121.467
9	430163.794	6954730.300	-121.404	121.476
10	430162.676	6954734.106	-121.449	121.574
11	430142.688	6954928.016	-121.732	121.878
12	430143.502	6954932.097	-121.780	121.886
13	430145.832	6954935.424	-121.872	122.036
14	430149.086	6954937.472	-121.921	122.002
15	430153.085	6954938.135	-121.777	121.824
16	430152.080	6954944.172	-121.654	121.718
17	430148.487	6954944.947	-121.811	121.830
18	430145.364	6954947.020	-121.895	121.922
19	430143.220	6954950.105	-121.882	121.956
20	430142.358	6954954.041	-121.888	121.959
21	430135.570	6955016.310	-999.000	122.171
22	430133.912	6955024.505	-999.000	122.248
23	430129.367	6955031.540	-999.000	122.383
24	430123.505	6955035.960	-999.000	122.555
25	430116.429	6955038.273	-999.000	122.765
26	429583.846	6955118.654	-999.000	122.455
27	429577.048	6955118.511	-122.407	122.442
28	429571.379	6955116.487	-122.362	122.377
29	429566.589	6955112.889	-122.291	122.336
30	429560.719	6955110.210	-122.270	122.305
31	429554.954	6955111.856	-122.368	122.405
32	429551.630	6955116.342	-122.499	122.525
33	429551.539	6955121.756	-122.626	122.657
34	429554.933	6955126.515	-122.739	122.796
35	429561.510	6955128.093	-122.766	122.809
36	429567.779	6955127.147	-122.696	122.766
37	429573.271	6955126.318	-122.648	122.716
38	429578.826	6955125.479	-122.618	122.685
39	429584.742	6955124.586	-122.605	122.649

**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

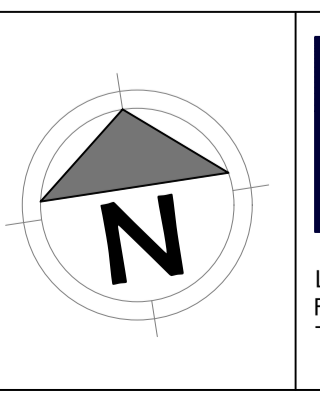
Signed: RPEQ No.: 19536

Dated: 30/05/2025

REVISIONS:	REVISION DESCRIPTION	DATE
1	AS CONSTRUCTED	30/05/25
0	ISSUED FOR CONSTRUCTION	02/08/24

**PARKLAKE ADARE**

van der Meer Consulting



**van der Meer**

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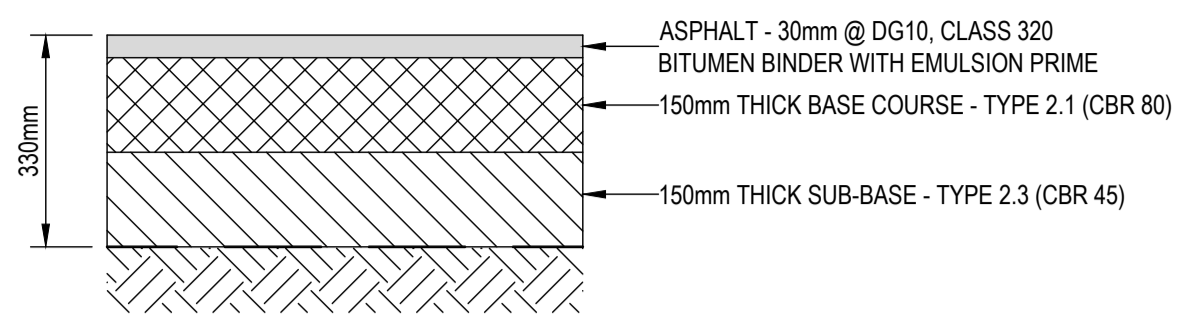
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**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5

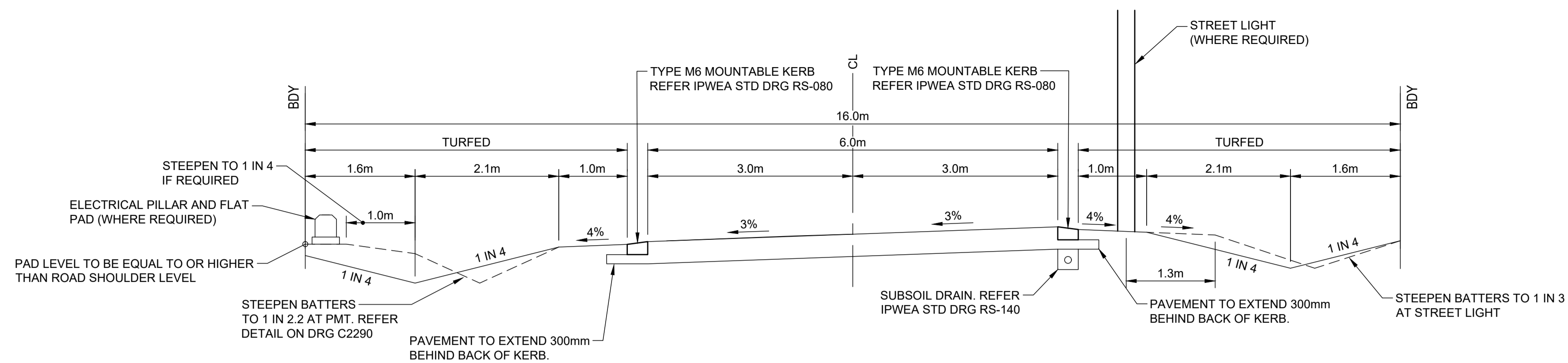
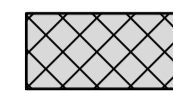
DRAWING TITLE: **INTERSECTION DETAILS**

**AS CONSTRUCTED**

PROJECT LEADER: CK	DESIGNER: MP	SIGNATURE: C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON: MP	SCALE: AS SHOWN	DATE: 29/08/24	SHEET SIZE: A1
JOB No: BR242001	DRAWING No: C4480	REVISION: 1	

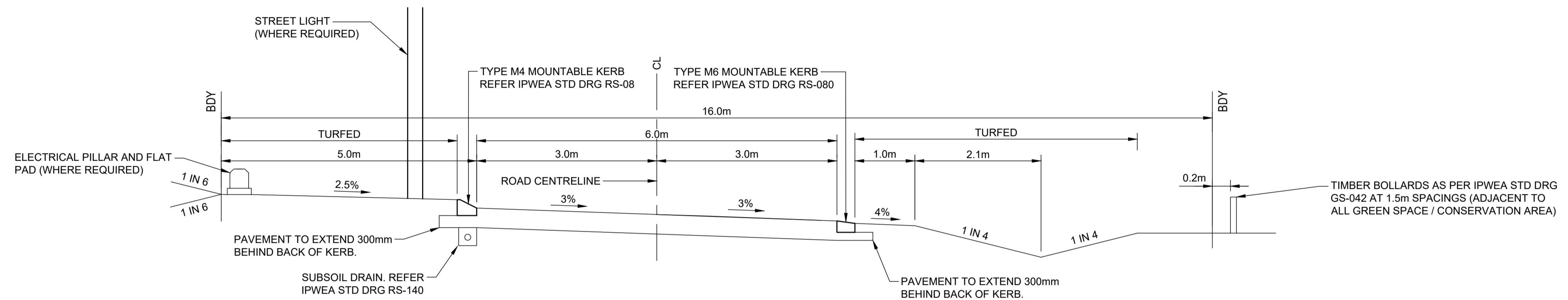


PAVEMENT 1 ACCESS STREET - 1 x 10<sup>5</sup>  
NEWLAND PLACE / BURTON CRESCENT  
330mm THICKNESS  
SCALE 1:10



ROAD TYPICAL SECTION - NEWLAND PLACE - CH.403 TO END

SCALE 1:50




ROAD TYPICAL SECTION - BURTON CRESCENT

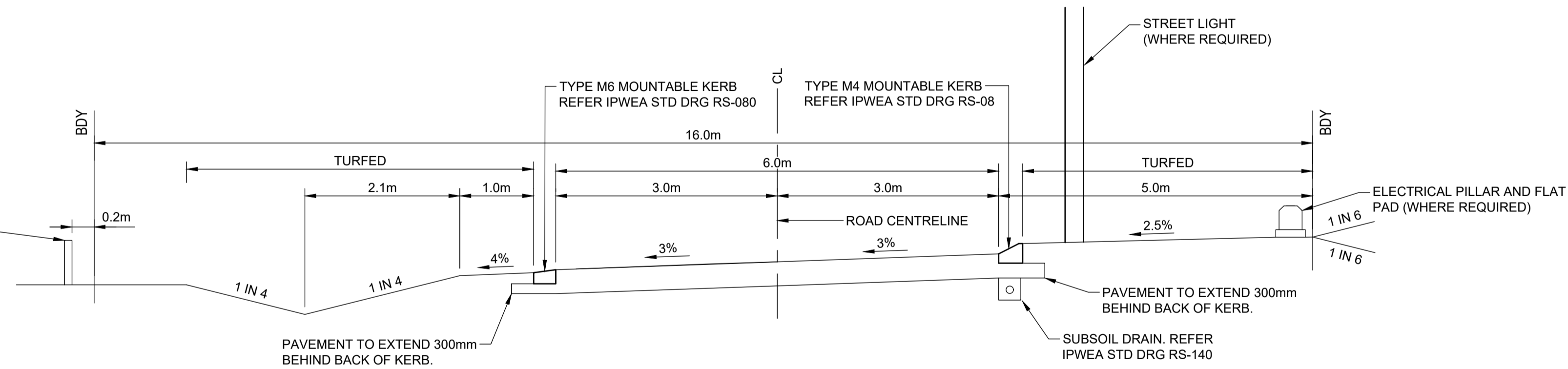
SCALE 1:50

**ENGINEER'S CERTIFICATION**

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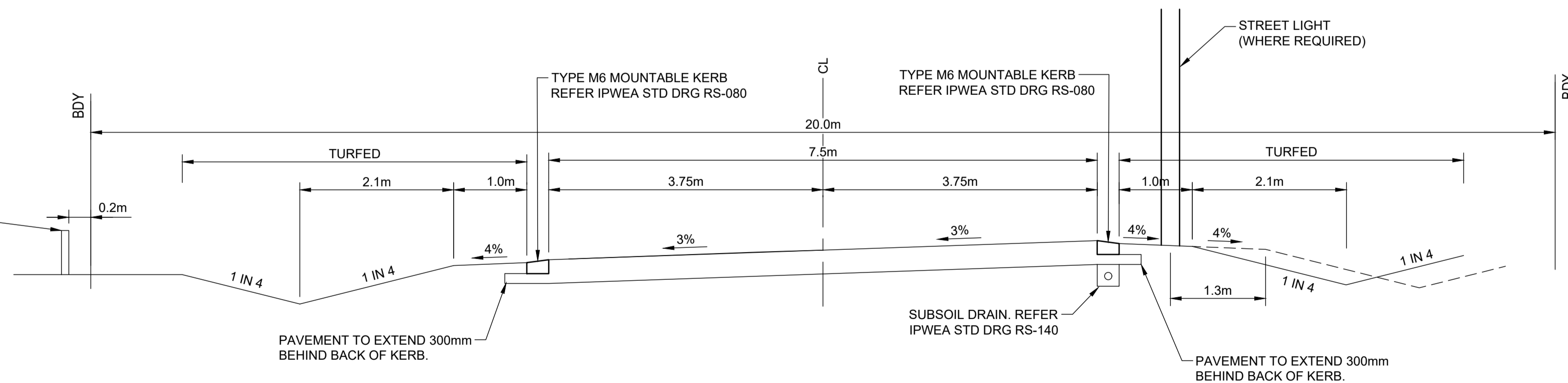
Signed:  RPEQ No.: **19536**

Dated: **30/05/2025**



ROAD TYPICAL SECTION - NEWLAND PLACE - CH.182 TO CH.403

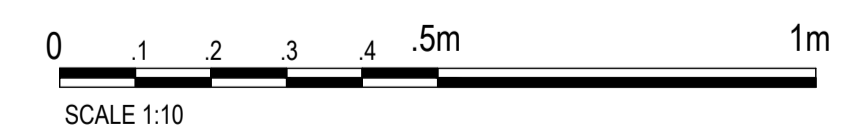
SCALE 1:50



ROAD TYPICAL SECTION - NEWLAND PLACE - CH.13.245 TO CH.182

SCALE 1:50

REFER DRAWING C4300 FOR  
PAVEMENT TYPE LEGEND



No.	REVISION DESCRIPTION	DRAWN	DATE
2	AS CONSTRUCTED	JP	30/05/25
1	BOLLARD LOCATION UPDATED	MP	12/02/25
0	ISSUED FOR CONSTRUCTION	MP	02/08/24



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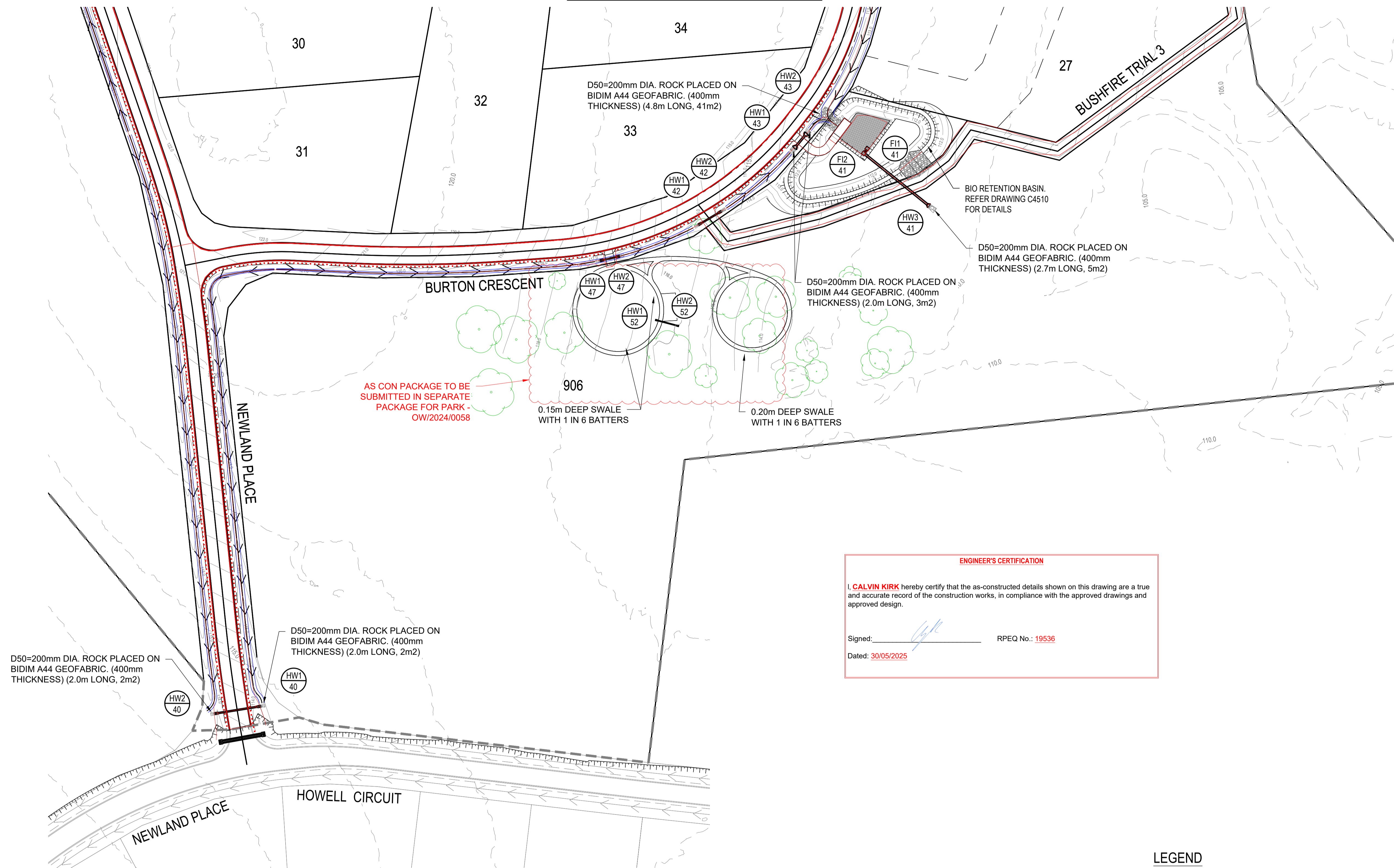
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PROJECT TITLE  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5

DRAWING TITLE  
**ROADWORKS DETAILS**


DRAWING STATUS			
<b>AS CONSTRUCTED</b>			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4490	REVISION 2	

FOR CONTINUATION REFER DWG No. C4502



**ENGINEER'S CERTIFICATION**

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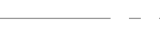
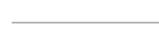

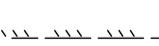




Signed:  RPEQ No.: 19536

Dated: 30/05/2025

**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(*)	

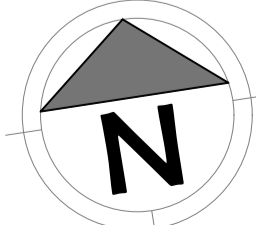
**LEGEND**

EXISTING	PROPOSED
	
	
	
	
	
	
	
	

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

**REVISIONS:**

No.	REVISION DESCRIPTION	DRAWN	DATE
6	AS CONSTRUCTED	JP	30/05/25
5	PARK DRAINAGE ADDED	MP	11/02/25
4	STORMWATER BASIN AND FIRE TRIAL UPDATED	MP	20/01/25
3	DRIVEWAY ADDED	MP	17/12/24
2	LINE 47 UPDATED	MP	13/11/24
1	STORMWATER BASIN AND FIRE TRIAL UPDATED	MP	31/10/24
0	ISSUED FOR CONSTRUCTION	MP	02/08/24



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

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

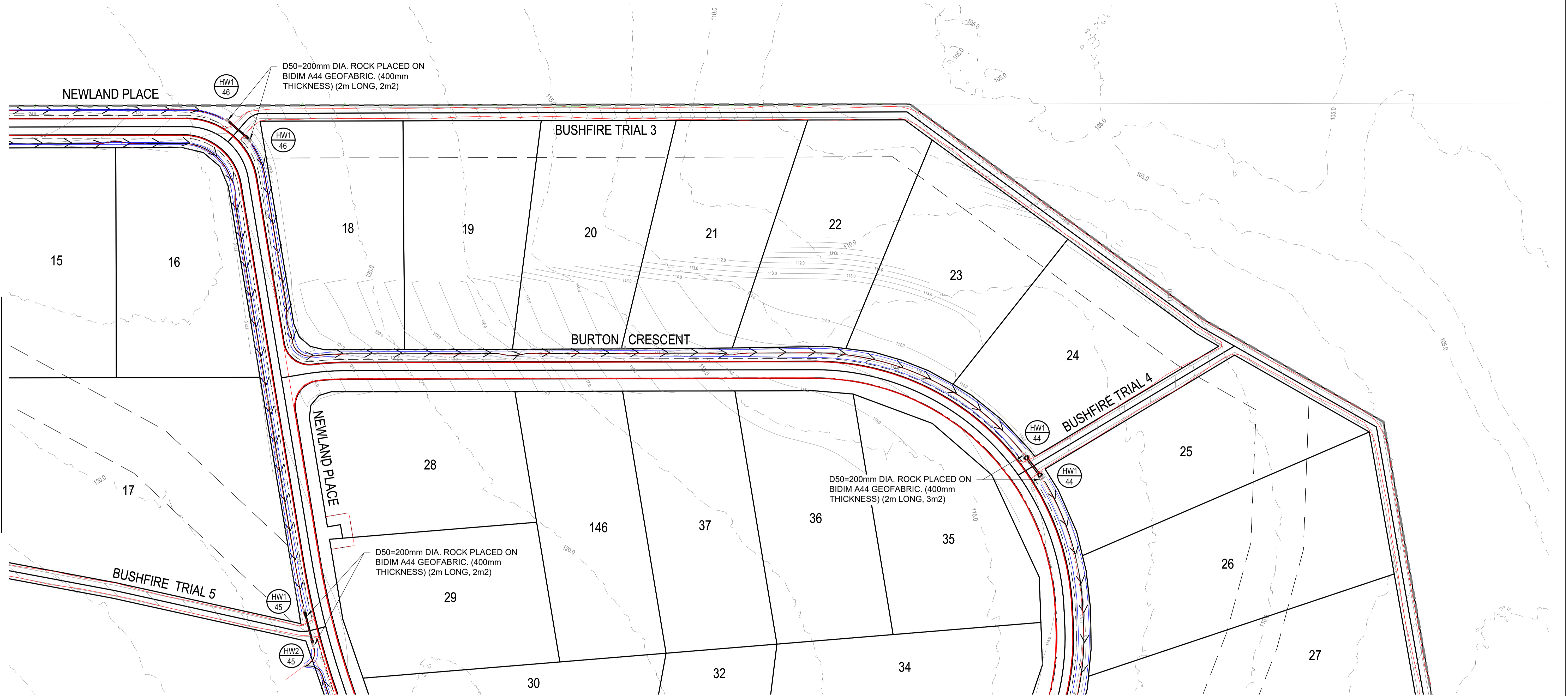
**PROJECT TITLE**  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5

**DRAWING TITLE**  
**DRAINAGE PLAN SHEET 1**

**DRAWING STATUS**  
**AS CONSTRUCTED**

PROJECT LEADER	DESIGNER	SIGNATURE	RPEQ No.
CK	MP	C. KIRK	19536
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	29/08/24	A1
JOB No.	DRAWING No.	REVISION	
BR242001	C4501		6


OR CONTINUATION REFER DWG No. C4503



FOR CONTINUATION REFER DWG No. C4501

**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.


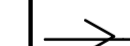



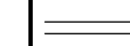
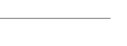


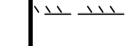






Signed:  RPEQ No.: 19536

Dated: 30/05/2025

**SERVICES (PUP) LEGEND**

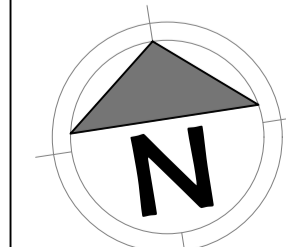
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COMMUNICATIONS	C(*)	
DRAINAGE (unknown dia.)	D(*)	
DRAINAGE (known dia.)		
ELECTRICITY	E(*)	
O/H ELECTRICITY & POLE		
GAS	G(*)	
WATER MAIN	W(*)	

**LEGEND**

EXISTING	PROPOSED
	
	
	
	
	
	
	
	

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

REVISIONS:	
No.	REVISION DESCRIPTION
2	AS CONSTRUCTED
1	LINE 45 EXTENDED
0	ISSUED FOR CONSTRUCTION



**van der Meer Consulting**

**van der meer**

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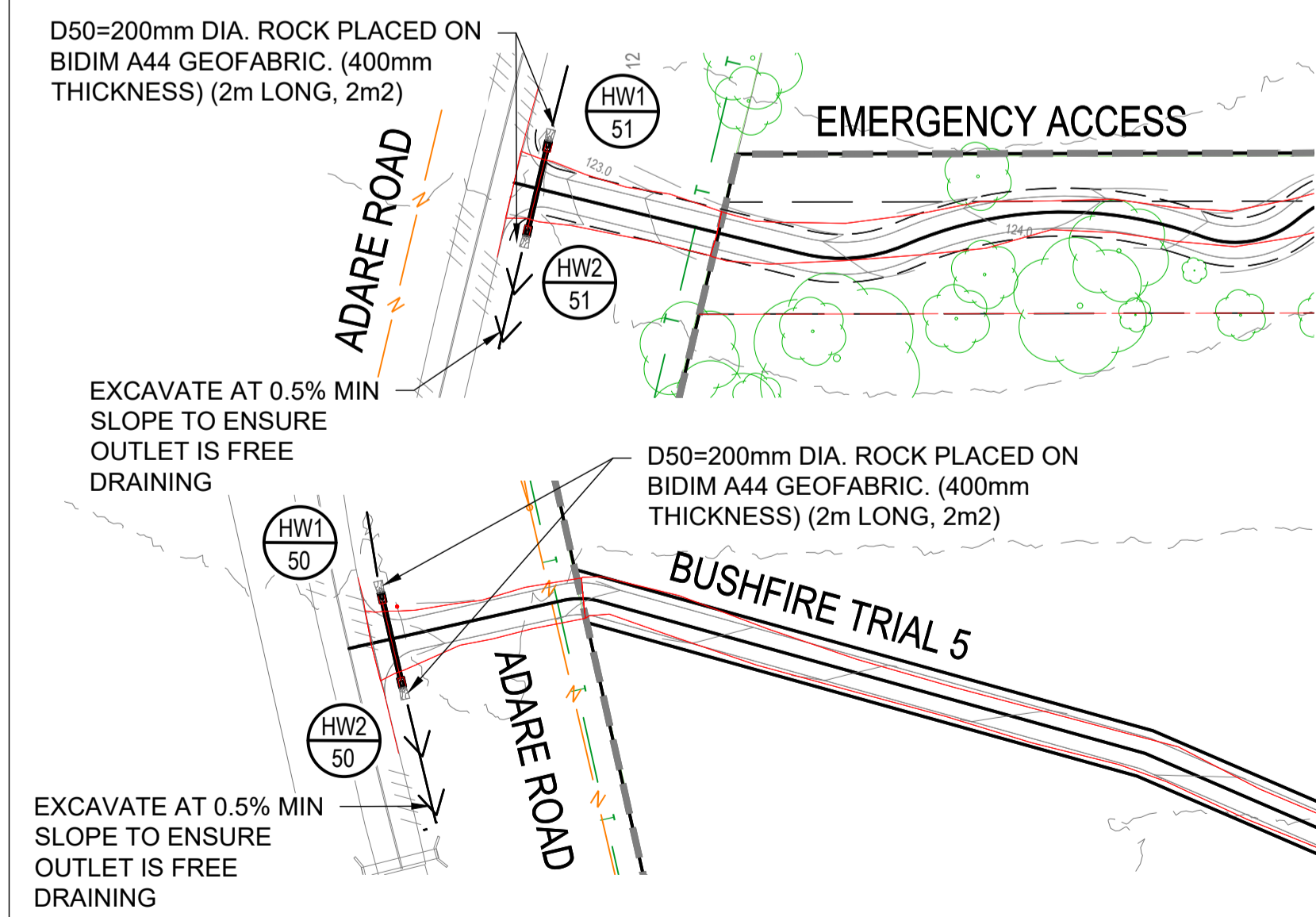
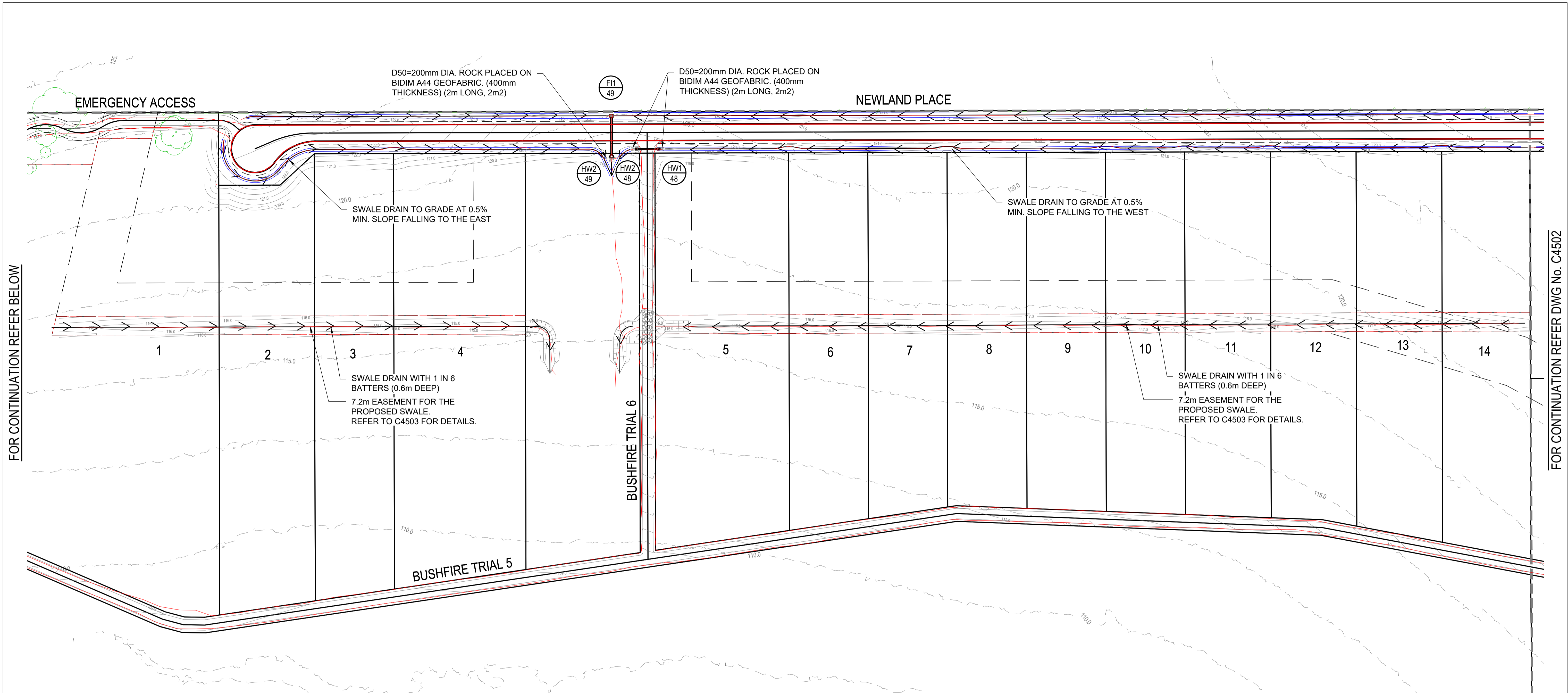
CLIENT  
**PARK LAKE ADARE PTY LTD**  
PO BOX 4107 SPRINGFIELD QLD 4300

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

PROJECT TITLE  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5

DRAWING TITLE  
**DRAINAGE PLAN SHEET 2**

DRAWING STATUS			
<b>AS CONSTRUCTED</b>			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4502	REVISION	2

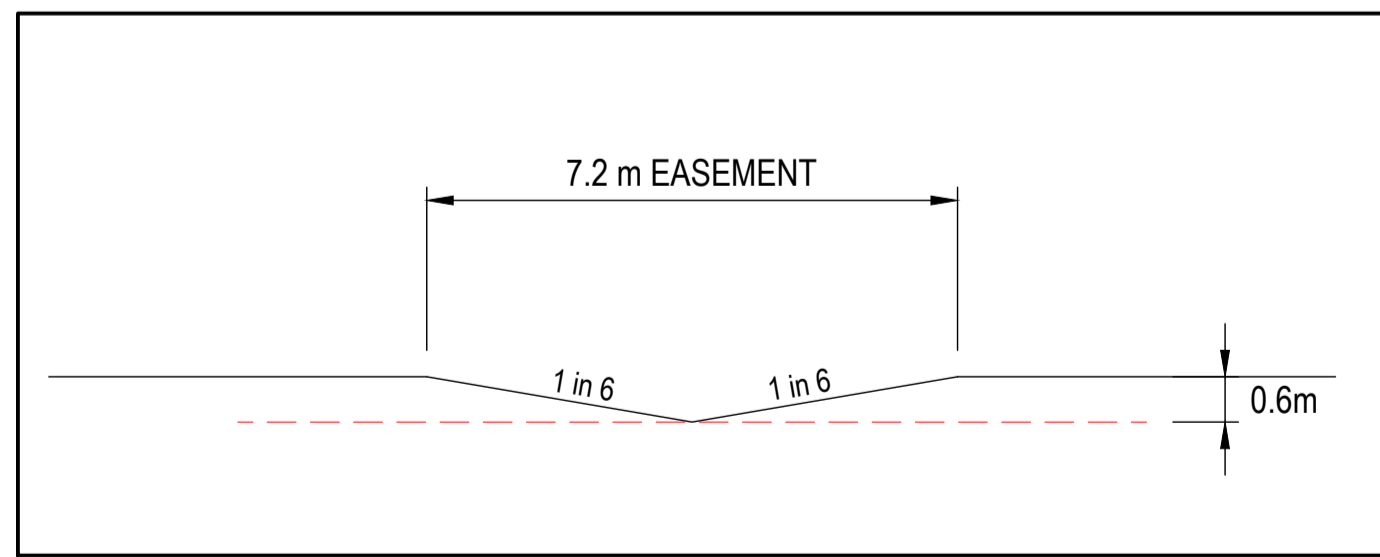


**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

Signed: \_\_\_\_\_ RPEQ No.: 19536

Dated: 30/05/2025



**SWALE K AND L CROSS SECTION WITH 7.2m EASEMENTS ON EACH SIDE**  
N.T.S

**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(*)	

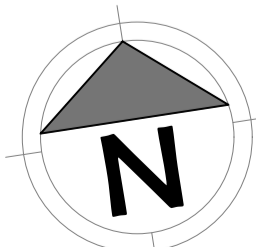
**LEGEND**

EXISTING	PROPOSED
--- FENCE	--- EASEMENT BOUNDARY
--- OPEN DRAIN	--- OPEN DRAIN
--- KERB AND CHANNEL	--- MOUNTABLE KERB TYPE M4
--- KERB ONLY	--- MOUNTABLE KERB TYPE M6
--- CONTOUR (1.0m)	--- CONTOUR (0.5m)
--- ROAD EDGE BITUMEN	--- ROAD EDGE BITUMEN
○ TREE TO REMAIN	--- ROAD SHOULDER
○ TREE TO BE REMOVED	--- DRAINAGE
	--- Q50 FLOODED WIDTH

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

**REVISIONS:**

No.	REVISION DESCRIPTION	DRAWN	DATE
1	AS CONSTRUCTED	JP	30/05/25
0	ISSUED FOR CONSTRUCTION	MP	02/08/24



**van der Meer Consulting**

**van der meer**

LEVEL 3, 51 ALFRED STREET  
FORTITUDE VALLEY QLD 4006  
Telephone +61 7 3021 6600

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A.B.N. 63 609 812 615

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IF IN DOUBT ASK.

**CLIENT**

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

**SCALE**

0 7.5 15 22.5 30 37.5m 75m

SCALE 1:750

**PROJECT TITLE**

**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5

**DRAWING TITLE**

**DRAINAGE PLAN SHEET 3**

**DRAWING STATUS**

**AS CONSTRUCTED**

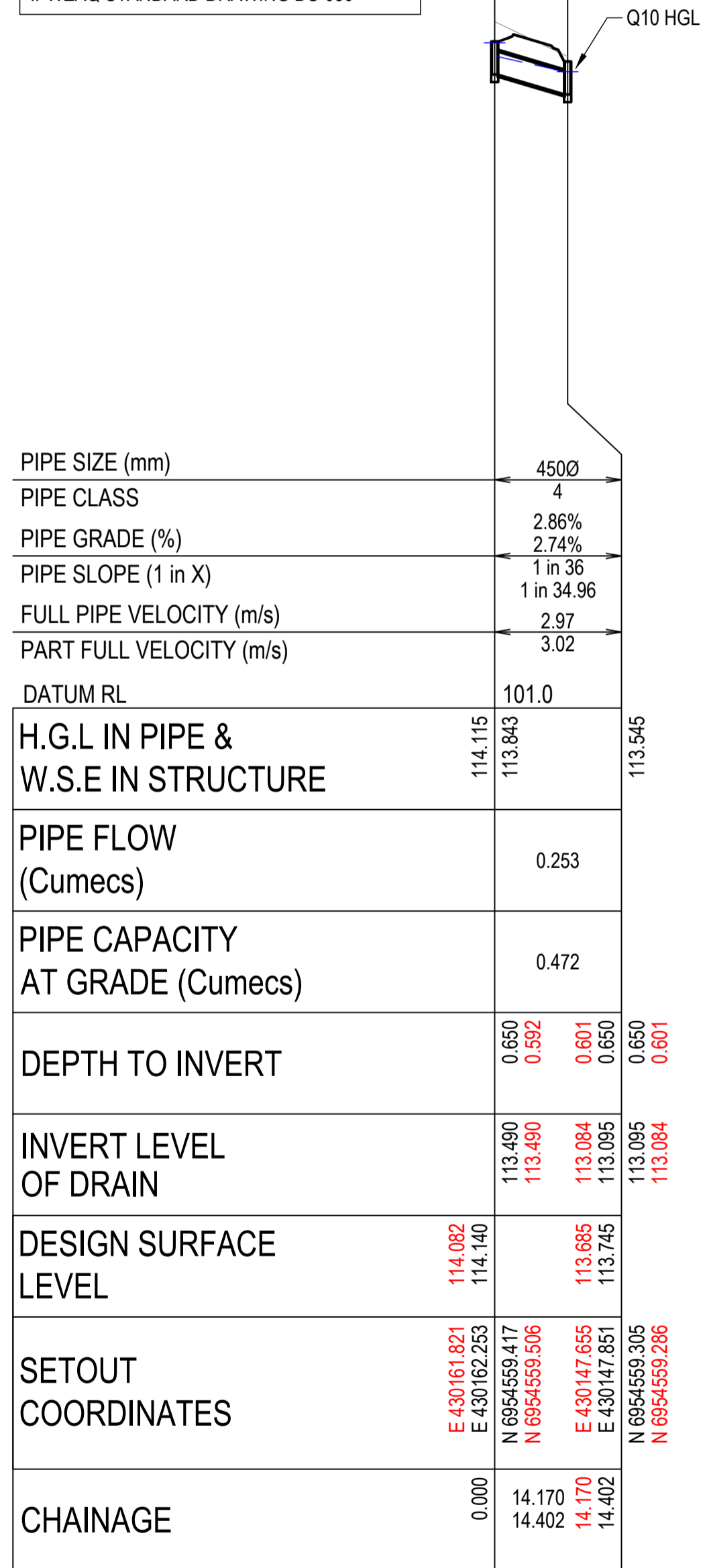
PROJECT LEADER	DESIGNER	SIGNATURE	RPEQ No.
CK	MP	C. KIRK	19536
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	29/08/24	A1
JOB No.	DRAWING No.	REVISION	
BR242001	C4503	1	

STRUCTURE NAME	HW1/40	HW2/40
STRUCTURE DESCRIPTION	CONCRETE HEADWALL	CONCRETE HEADWALL

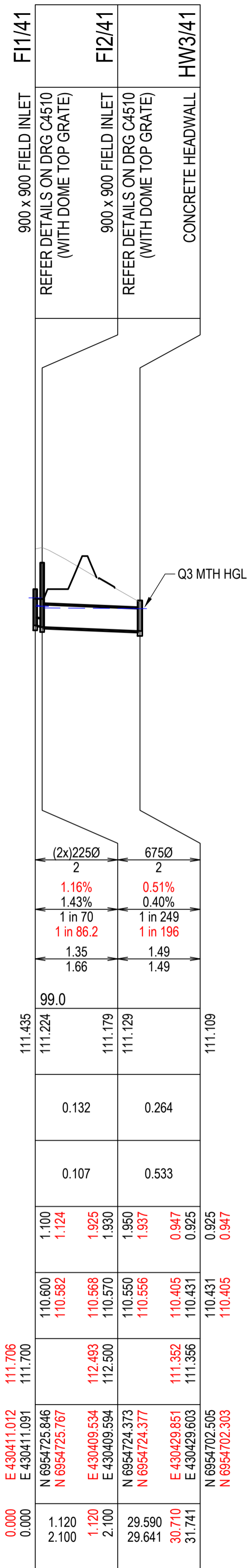
ALL PIPEWORK TO BE FIBRE REINFORCED CONCRETE TO THE SIZES NOMINATED.

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

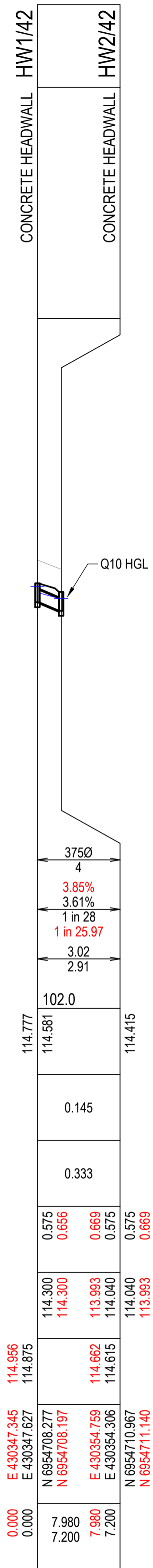
ALL DRAINAGE FIELD INLETS AS PER IPWEAQ STANDARD DRAWING DS-050



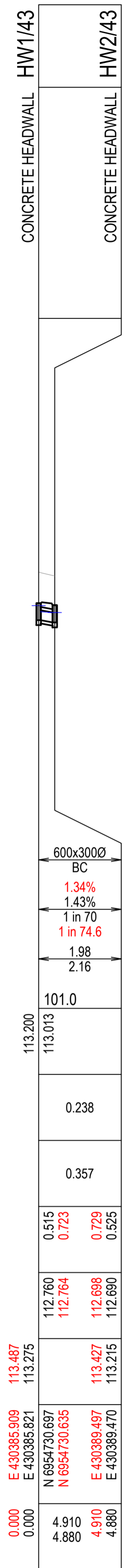
LINE 40



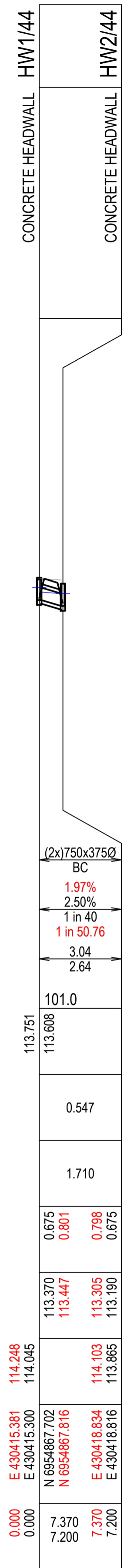
LINE 41



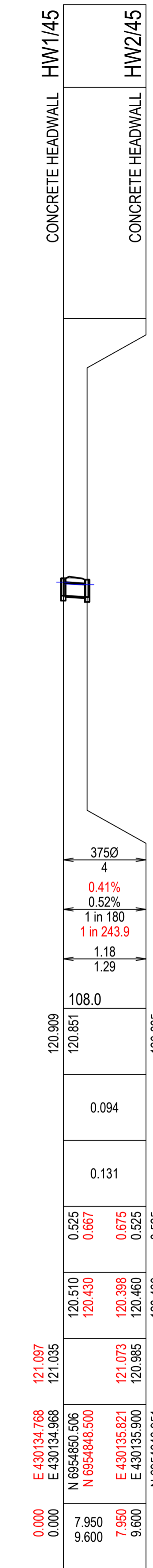
LINE 42



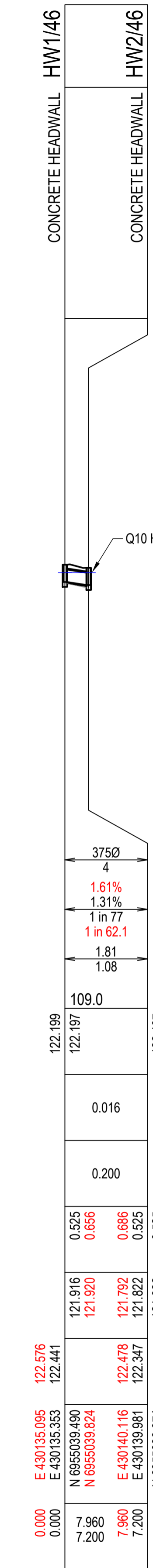
LINE 43



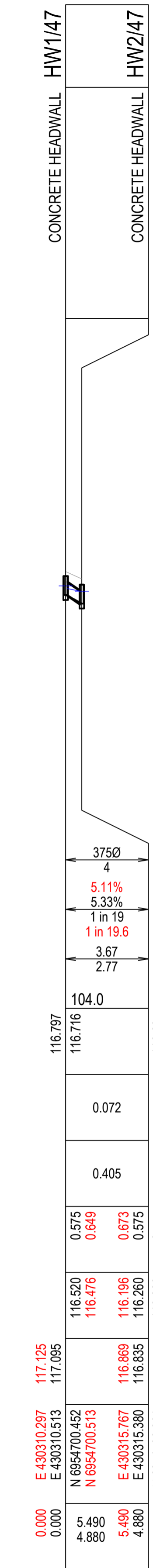
LINE 44



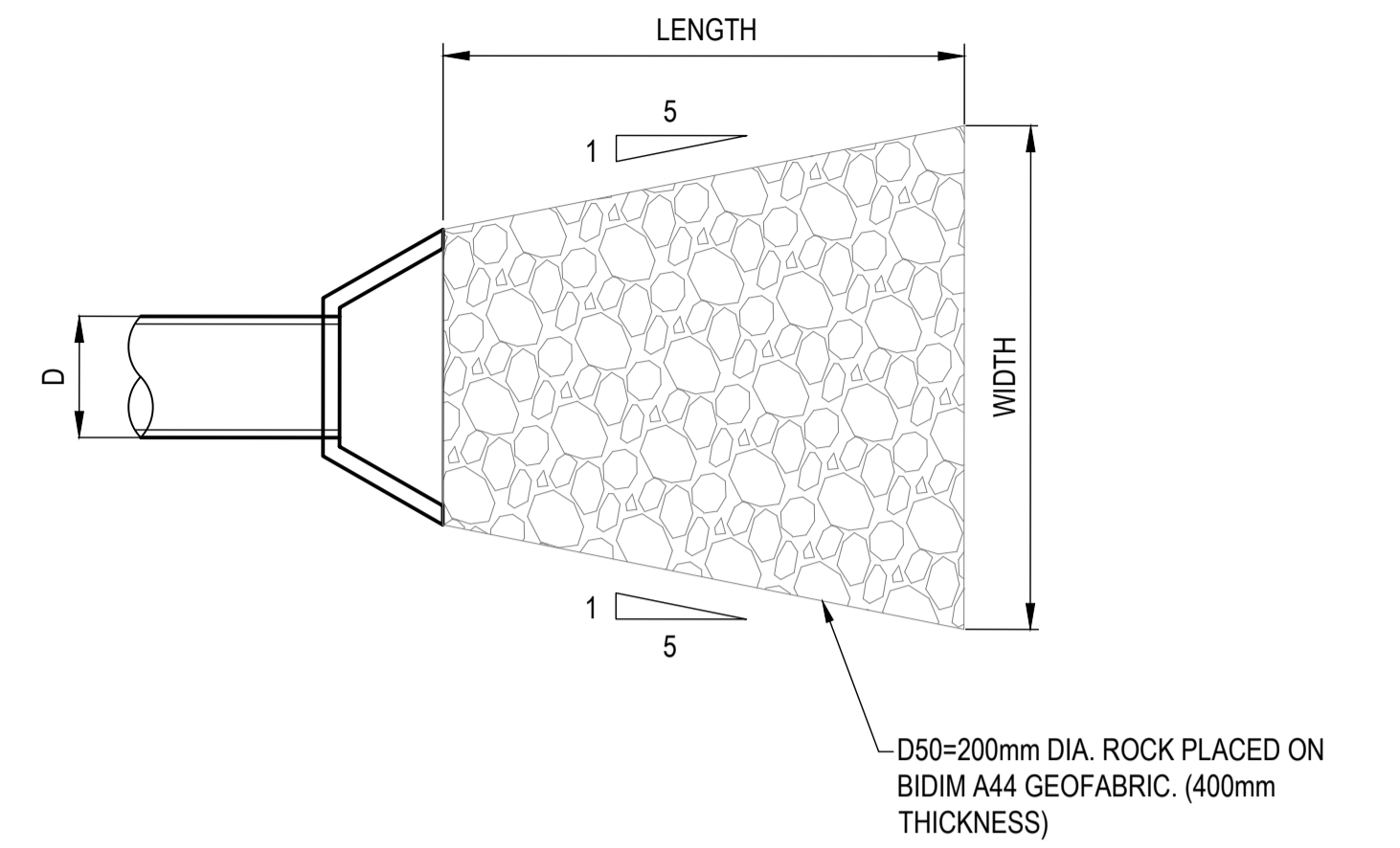
LINE 45



LINE 46

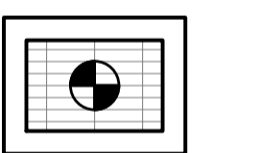


LINE 47



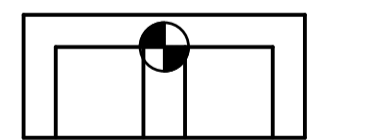
INLET / OUTLET PROTECTION DETAIL  
PROVIDE TO ALL OUTLETS  
N.T.S.

**ENGINEER'S CERTIFICATION**  
I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.  
Signed: RPEQ No.: 19536  
Dated: 30/05/2025



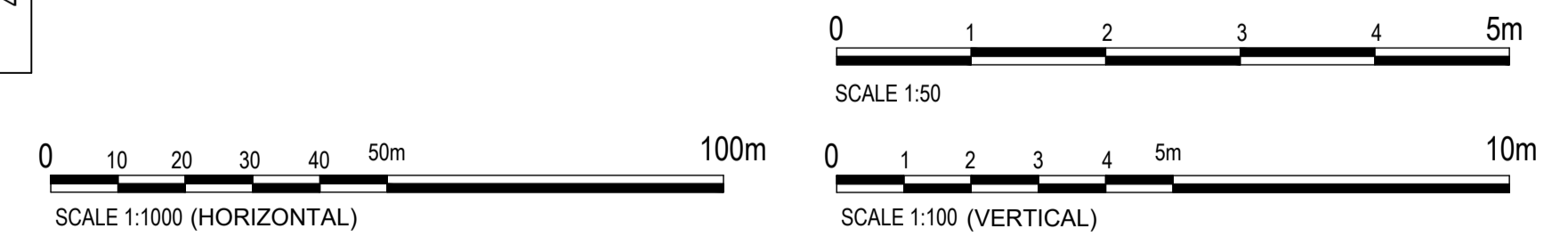
TYPICAL FIELD INLET SETOUT  
SCALE 1:50

⊙ DENOTES SETOUT POINT



TYPICAL HEADWALL SETOUT  
SCALE 1:50

⊙ DENOTES SETOUT POINT



NO.	REVISION DESCRIPTION	DATE
5	AS CONSTRUCTED	30/05/25
4	STORMWATER BASIN AND FIRE TRIAL UPDATED	20/01/25
3	LINE 47 UPDATED	13/11/24
2	LINE 45 EXTENDED	11/11/24
1	STORMWATER BASIN AND FIRE TRIAL UPDATED	31/10/24
0	ISSUED FOR CONSTRUCTION	02/08/24



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P. KIRK - AK

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

SCALE

PROJECT TITLE  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5  
DRAWING TITLE  
**DRAINAGE LONGITUDINAL SECTIONS**  
SHEET 1

DRAWING STATUS <b>AS CONSTRUCTED</b>			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4550	REVISION 5	

STRUCTURE NAME	HW1/48
STRUCTURE DESCRIPTION	CONCRETE HEADWALL
	CONCRETE 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

ALL DRAINAGE FIELD INLETS AS PER IPWEAQ STANDARD DRAWING DS-050

PIPE SIZE (mm)	3750
PIPE CLASS	4
PIPE GRADE (%)	2.20% 2.22%
PIPE SLOPE (1 in X)	1 in 45 1 in 45.5
FULL PIPE VELOCITY (m/s)	2.37
PART FULL VELOCITY (m/s)	1.90
DATUM RL	107.0
H.G.L IN PIPE & W.S.E IN STRUCTURE	119.724 119.695
PIPE FLOW (Cumecs)	0.057
PIPE CAPACITY AT GRADE (Cumecs)	0.261
DEPTH TO INVERT	0.525 0.529 0.598 0.645 0.645 0.598
INVERT LEVEL OF DRAIN	119.380 119.421 119.249 119.220 119.220 119.249
DESIGN SURFACE LEVEL	120.013 119.905
SETOUT COORDINATES	E 429713.363 E 429713.133 N 6955095.703 N 6955095.500 E 429705.654 E 429706.014 N 6955096.777 N 6955096.822
CHAINAGE	0.000 0.000 7.820 7.820 7.200

LINE 48

STRUCTURE NAME	FI1/49
STRUCTURE DESCRIPTION	900 x 900 FIELD INLET (WITH DOME TOP GRATE)
	CONCRETE HEADWALL

PIPE SIZE (mm)	6000
PIPE CLASS	2
PIPE GRADE (%)	0.98% 0.89%
PIPE SLOPE (1 in X)	1 in 112 1 in 102
FULL PIPE VELOCITY (m/s)	2.05
PART FULL VELOCITY (m/s)	2.35
DATUM RL	107.0
H.G.L IN PIPE & W.S.E IN STRUCTURE	119.867 119.387
PIPE FLOW (Cumecs)	0.665
PIPE CAPACITY AT GRADE (Cumecs)	0.581
DEPTH TO INVERT	0.745 0.921 0.751 0.800 0.800 0.751
INVERT LEVEL OF DRAIN	118.745 118.786 118.642 118.610 118.610 118.642
DESIGN SURFACE LEVEL	119.707 119.490
SETOUT COORDINATES	E 429697.659 E 429697.760 N 6955110.068 N 6955110.831 E 429695.455 E 429695.509 N 6955096.046 N 6955095.939
CHAINAGE	0.000 0.000 14.750 15.090 15.090

LINE 49

STRUCTURE NAME	HW1/50
STRUCTURE DESCRIPTION	CONCRETE HEADWALL
	CONCRETE HEADWALL

PIPE SIZE (mm)	3750
PIPE CLASS	4
PIPE GRADE (%)	2.10% 2.39%
PIPE SLOPE (1 in X)	1 in 42 1 in 47.6
FULL PIPE VELOCITY (m/s)	2.45
PART FULL VELOCITY (m/s)	2.64
DATUM RL	99.0
H.G.L IN PIPE & W.S.E IN STRUCTURE	112.030 111.726
PIPE FLOW (Cumecs)	0.187
PIPE CAPACITY AT GRADE (Cumecs)	0.271
DEPTH TO INVERT	0.625 0.668 0.679 0.625 0.625 0.679
INVERT LEVEL OF DRAIN	111.410 111.391 111.175 111.180 111.180 111.175
DESIGN SURFACE LEVEL	112.030 112.325
SETOUT COORDINATES	E 429344.689 E 429344.796 N 6955017.115 N 6955017.316 E 429345.538 E 429345.519 N 6955007.502 N 6955007.077
CHAINAGE	0.000 0.000 10.280 9.640 10.280 9.640

LINE 50

STRUCTURE NAME	HW1/51
STRUCTURE DESCRIPTION	CONCRETE HEADWALL
	CONCRETE HEADWALL

PIPE SIZE (mm)	3750
PIPE CLASS	2
PIPE GRADE (%)	4.68% 4.67%
PIPE SLOPE (1 in X)	1 in 21 1 in 21.4
FULL PIPE VELOCITY (m/s)	3.43
PART FULL VELOCITY (m/s)	1.96
DATUM RL	109.0
H.G.L IN PIPE & W.S.E IN STRUCTURE	122.150 122.115
PIPE FLOW (Cumecs)	0.026
PIPE CAPACITY AT GRADE (Cumecs)	0.379
DEPTH TO INVERT	0.525 0.666 0.690 0.525 0.525 0.690
INVERT LEVEL OF DRAIN	122.000 122.027 121.539 121.550 121.550 121.539
DESIGN SURFACE LEVEL	122.683 122.325
SETOUT COORDINATES	E 429380.300 E 429380.069 N 6955161.267 N 6955161.267 E 429376.237 E 429376.474 N 6955152.050 N 6955151.697
CHAINAGE	0.000 0.000 10.450 9.640 10.450 9.640

LINE 51

STRUCTURE NAME	HW1/52
STRUCTURE DESCRIPTION	CONCRETE HEADWALL
	CONCRETE HEADWALL


PIPE SIZE (mm)	2250
PIPE CLASS	2
PIPE GRADE (%)	2.36% 2.36%
PIPE SLOPE (1 in X)	1 in 42 1 in 42
FULL PIPE VELOCITY (m/s)	1.74
PART FULL VELOCITY (m/s)	2.69
DATUM RL	103.0
H.G.L IN PIPE & W.S.E IN STRUCTURE	116.135 116.010
PIPE FLOW (Cumecs)	0.067
PIPE CAPACITY AT GRADE (Cumecs)	0.069
DEPTH TO INVERT	0.325 0.325 0.325 0.325
INVERT LEVEL OF DRAIN	115.955 115.785 115.785 115.785
DESIGN SURFACE LEVEL	116.280 116.110
SETOUT COORDINATES	E 430326.590 N 6954675.826 E 430333.194 N 6954672.956
CHAINAGE	0.000 7.200 7.200

LINE 52

A SEPARATE AS-CON PACKAGE TO BE SUBMITTED IN A SEPARATE PACKAGE FOR PARK - OW2024/0058 (NOT YET CONSTRUCTED)

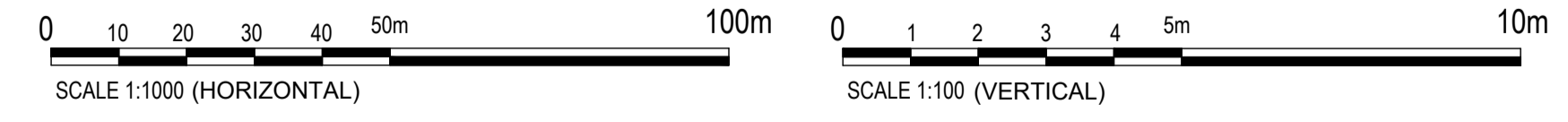
**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

Signed:  RPEQ No.: 19536

Dated: 30/05/2025

NOTE: PIPE INVERT LEVELS TO BE CONFIRMED ON SITE TO SUIT PROPOSED PATHWAY DESIGN LEVELS.



No.	REVISION DESCRIPTION	DRAWN	DATE
2	AS CONSTRUCTED	JP	30/05/25
1	PARK DRAINAGE ADDED	MP	11/02/25
0	ISSUED FOR CONSTRUCTION	MP	02/08/24



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P. INDOUBT - ASK

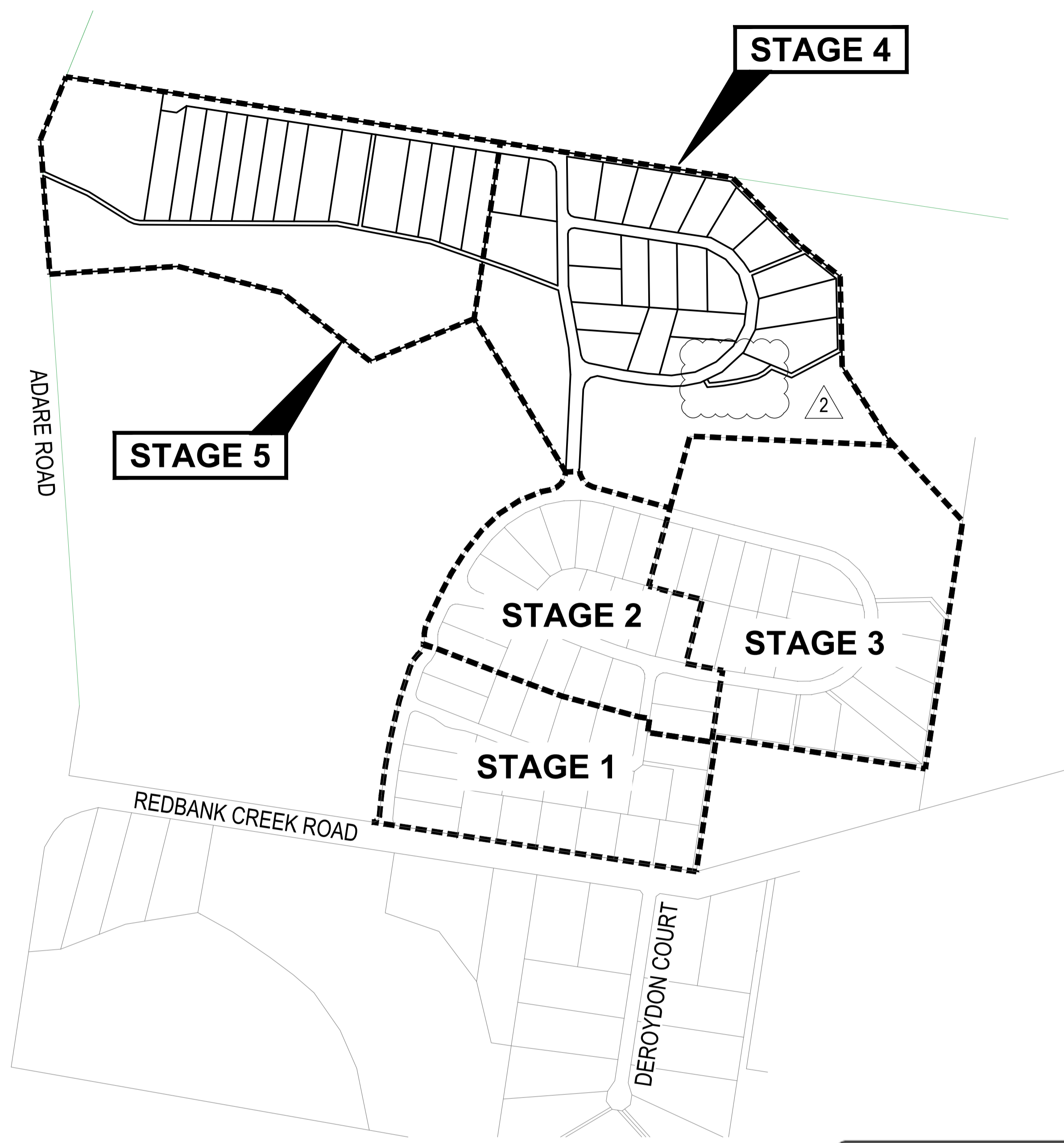
CLIENT	PARK LAKE ADARE PTY LTD PO BOX 4107 SPRINGFIELD QLD 4300
SCALE	

PROJECT TITLE	PROPOSED SUBDIVISION 174 ADARE ROAD, ADARE, QLD 4343 STAGES 4 AND 5
DRAWING TITLE	DRAINAGE LONGITUDINAL SECTIONS SHEET 2

DRAWING STATUS			
<b>AS CONSTRUCTED</b>			
PROJECT LEADER	DESIGNER	SIGNATURE	RPEQ No.
CK	MP	C. KIRK	19536
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	29/08/24	A1
JOB No.	DRAWING No.	REVISION	
BR242001	C4551	2	

ASSET REGISTER - WATER RETICULATION					
ESTATE/STAGE	STAGES 4 AND 5				
SITE ADDRESS	174 ADARE ROAD, ADARE				
FILE/APPLICATION	24-PNT-71761				
DELEGATES APP. DATE					
CLIENT	PARK LAKE ADARE PTY LTD				
DRAWING/PLAN No.					
MAINS	DIA.	MATERIAL		LENGTH (m)	
		DESIGN	CONST.	DESIGN	CONST.
	DN125	PE	PE	632	629
	DN180	PE	PE	1236	1237
SERVICES	DIA.	MATERIAL		LENGTH (m)	
		DESIGN	CONST.	DESIGN	CONST.
	20mm				
	25mm	PE100 PN16	PE100 PN16		
	32mm	PE100 PN16	PE100 PN16	76	49
	40mm	PE100 PN16	PE100 PN16	72	56
METERS	DIA.	NUMBER			
	20mm	38	38		
	25mm				
	32mm				
	150mm				
	50mm				

SERVICE DETAILS		
NO	SIZE	LOT NUMBERS
36	DN25 PE	1 TO 16, 18 TO 26, 28 TO 37 AND 146
2	DN32 PE	17 & 27



LOCALITY PLAN  
SCALE 1:5000



PRIOR STAGE INFRASTRUCTURE FORMS PART OF THIS APPROVAL IN ORDER TO ESTABLISH A LEGAL POINT OF CONNECTION TO URBAN UTILITIES EXISTING NETWORK. THE PRIOR STAGE 1 WORKS HAVE BEEN APPROVED UNDER 22-PNT-60566.

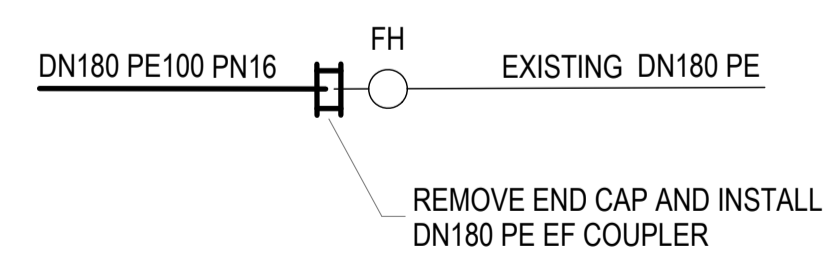
22-PNT-60566 WORKS MUST BE CONSIDERED PRACTICALLY COMPLETE FOR URBAN UTILITIES TO CONSIDER GRANTING CONNECTION CERTIFICATE FOR THIS STAGE.

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

**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

Signed: RPEQ No.: 19536

Dated: 19/05/2024

ALL LIVE WORKS ON AC MAIN SHALL INCLUDE REMOVAL OF EXISTING AC MAIN FROM COLLAR TO COLLAR.

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

DRAWING INDEX	
SHEET NUMBER	SHEET TITLE
C4600	WATER RETICULATION COVER SHEET
C4601	WATER RETICULATION PLAN - SHEET 1
C4602	WATER RETICULATION PLAN - SHEET 2
C4603	WATER RETICULATION PLAN - SHEET 3

**LIVE WORKS CONNECTION 1**

STREET : NEWLAND PLACE

INSTALLATION : \_\_\_\_\_

TYPE OF MAIN : EXISTING DN180 PE

DATE COMMENCED : 25/03/2025 DATE COMPLETED : 25/03/2025

SIGNATURE :

**GENERAL NOTES**

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH EAST QUEENSLAND WATER SUPPLY CODE SPECIFICATIONS AND STANDARDS.
- UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
- ADOPT LIP OF KERB OR SHOULDER OF ROAD AS PERMANENT LEVEL.
- COVER ON MAINS FROM PERMANENT LEVEL TO BE AS SHOWN IN SEQ-WAT-1200-2.
- CONDUITS TO BE INSTALLED IN ACCORDANCE WITH THE STANDARD DRAWINGS.
- 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.
- 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.
- ALL CONCRETE FOOTPATHS TO BE CLEAR OF WATER MAINS.
- TEST/CHLORINATION POINTS TO BE INSTALLED IN ACCORDANCE WITH STANDARD DRAWING NO. SEQ-WAT-1410-1.
- 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.
- WATER MAIN ROAD CROSSING AND VALVE PAVEMENT MARKERS TO BE INSTALLED AS PER SEQ-WAT-1300-1.

**WATER MAIN CONSTRUCTION NOTES**

- DURING ANY CONSTRUCTION ACTIVITY AT LEAST ONE PERSON ON SITE MUST HAVE COMPLETED A PIPE LAYING TRAINING COURSE APPROVED BY THE PIPE SUPPLIER OR MANUFACTURER AND APPROPRIATE TO THE PIPELINE UNDER CONSTRUCTION. THE TRAINING COURSE MUST HAVE BEEN COMPLETED WITHIN THE LAST TEN YEARS.
- ALL SITE AND FACTORY PE WELDING SHALL BE CARRIES OUT BY A PERSON WHO HAS COMPLETED RELEVANT NATIONALLY ACCREDITED TRAINING COURSES FOR BUTT WELDING/ELECTROFUSION AND HOLD A VALID WELDING CERTIFICATE IN ACCORDANCE WITH AS/NZS 2033.
- THE CONTRACTOR SHALL PROVIDE DOCUMENTED EVIDENCE OF ACCEPTABLE QUALIFICATIONS TO URBAN UTILITIES.
- INSTALL DETECTABLE MARKER TAPE ON ALL WATER MAINS AND PROPERTY SERVICES.
- CONSTRUCT FIRE HYDRANTS AND STOP VALVES TO SEQ-WAT-1301-1, 1302-1, 1303-2, 1305-1, 1306-1 & 1409-1.
- ALL LIVE WORKS SHALL BE UNDERTAKEN BY THE DEVELOPER'S LICENSED CONTRACTOR IN ACCORDANCE WITH A VALID URBAN UTILITIES NETWORK ACCESS PERMIT, UNDER SUPERVISION OF URBAN UTILITIES, AT THE DEVELOPER'S EXPENSE.
- PROPOSED WORKS ARE LOCATED WITHIN FIRE ANT BIOSECURITY ZONE 2. ALL WORKS ARE TO BE TO DAFF REQUIREMENTS.

**VEGETATION PROTECTION**

- TREES LOCATED ALONG THE FOOTPATH SHALL BE, TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
- 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.
- 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.
- ANY TREE LOPPING REQUIRED SHOULD BE UNDERTAKEN BY AN APPROVED ARBORIST.

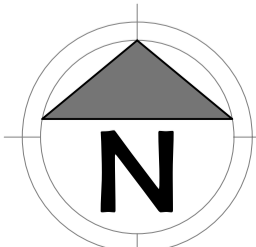
**SOIL**

- TOPSOIL AND SUBSOIL SHALL BE STOCKPILED SEPARATELY.
- CARE SHALL BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.
- 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**

- PRE-DISTURBANCE SOIL PROFILES AND COMPACTION LEVELS SHALL BE REINSTATED.
- PRE-DISTURBANCE VEGETATION PATTERNS SHALL BE RESTORED.
- ALL DISTURBED AREAS ASSOCIATED WITH CONSTRUCTION SHALL BE REHABILITATED. HEAVILY COMPACTED AREAS SHOULD BE RIPPED PRIOR TO TREATMENT
- ALL DISTURBED AREAS ARE TO BE LEFT IN STABLE CONDITION.
- ALL PLANTING/RE-VEGETATION WILL NEED TO BE MAINTAINED THROUGHOUT THE MAINTENANCE PERIOD.
- 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.

REVISIONS:	REVISION DESCRIPTION	DRAWN	DATE
3	AS CONSTRUCTED	JP	19/05/25
2	STORMWATER BASIN AND FIRE TRIAL UPDATED	MP	20/01/25
1	STORMWATER BASIN AND FIRE TRIAL UPDATED	MP	31/10/24
0	ISSUED FOR CONSTRUCTION	MP	08/08/24



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

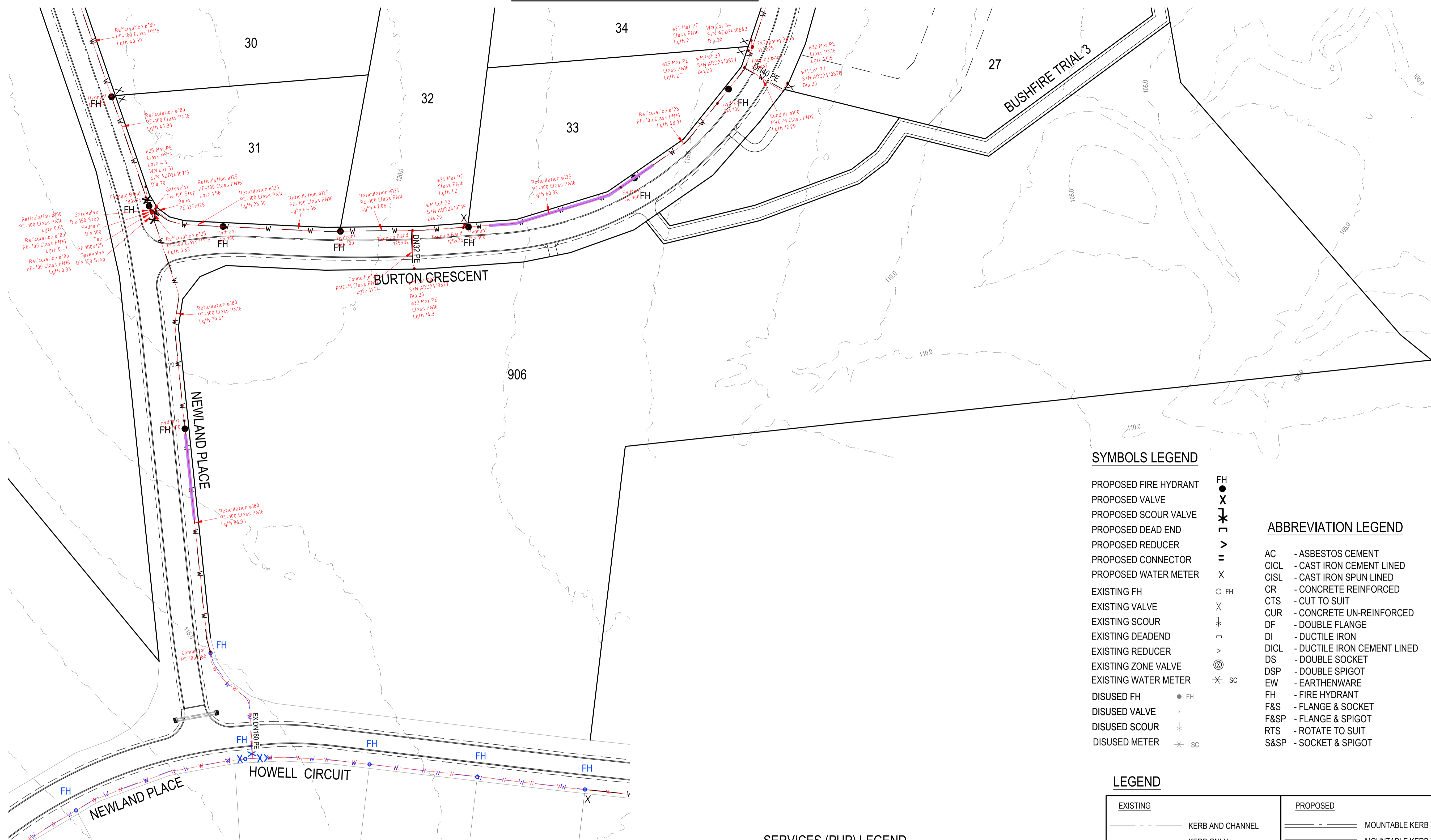
PROJECT TITLE  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5

DRAWING TITLE  
**WATER RETICULATION COVER SHEET**

DRAWING STATUS  
**AS CONSTRUCTED**  
FOR CONSTRUCTION

PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4600	REVISION 3	

FOR CONTINUATION REFER DWG No. C4602



**SYMBOLS LEGEND**

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

**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
- F&S - FLANGE & SOCKET
- F&SP - FLANGE & SPIGOT
- RTS - ROTATE TO SUIT
- S&SP - SOCKET & SPIGOT

**LEGEND**

EXISTING	PROPOSED

**SERVICES (PUP) LEGEND**

	EXISTING	PROPOSED
COMMUNICATIONS		
DRAINAGE (unknown dia.)		
DRAINAGE (known dia.)		
ELECTRICITY AND PILLAR		
O/H ELECTRICITY & POLE		
GAS		
WATER		

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

**ENGINEER'S CERTIFICATION**

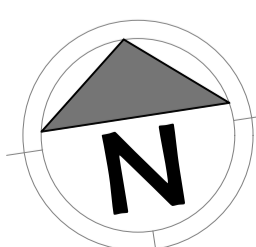
I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

Signed: \_\_\_\_\_ RPEQ No.: 19536

Dated: 19/05/2024

**REVISIONS:**

No.	REVISION DESCRIPTION	DRAWN	DATE
1	AS CONSTRUCTED	JP	19/05/25
E	PARK WATER SERVICE ADDED	MP	06/02/25
D	UU INFORMATION RESPONSE	MP	29/08/24
C	ISSUED FOR CONTRACT	MKP	10/07/24
B	TRENCHSTOPS ADDED	MP	25/06/24
A	ISSUED FOR APPROVAL	MP	15/04/24



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**SCALE**

0 7.5 15 22.5 30 37.5m 75m

SCALE 1:750

**PROJECT TITLE**

**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5

**DRAWING TITLE**

**WATER RETICULATION PLAN SHEET 1**

**DRAWING STATUS**

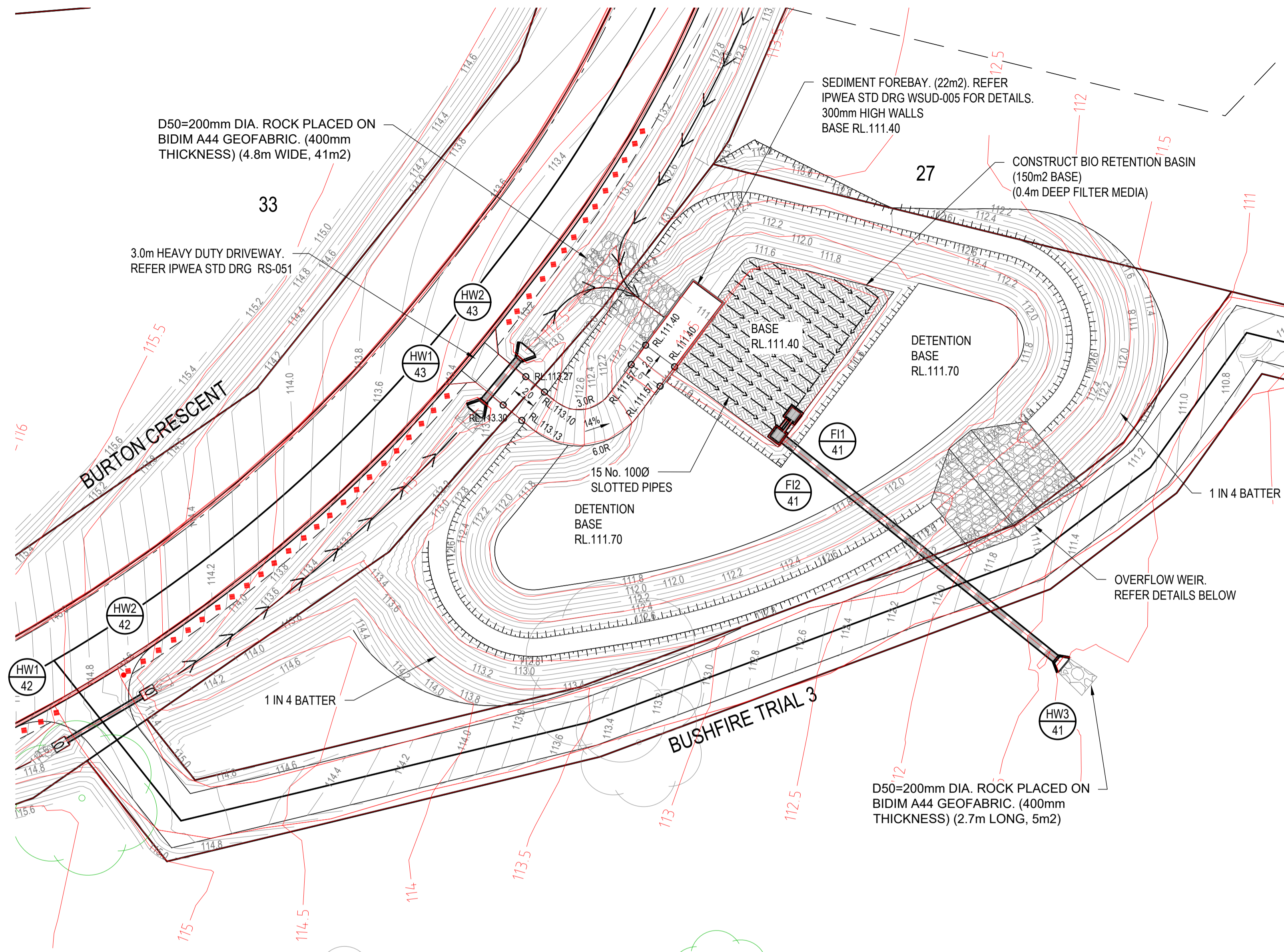
**AS CONSTRUCTED**

PROJECT LEADER	DESIGNER	SIGNATURE	RPEQ No.
CK	MP	C. KIRK	19536
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	29/08/24	A1
JOB No.	DRAWING No.	REVISION	
BR242001	C4601	1	









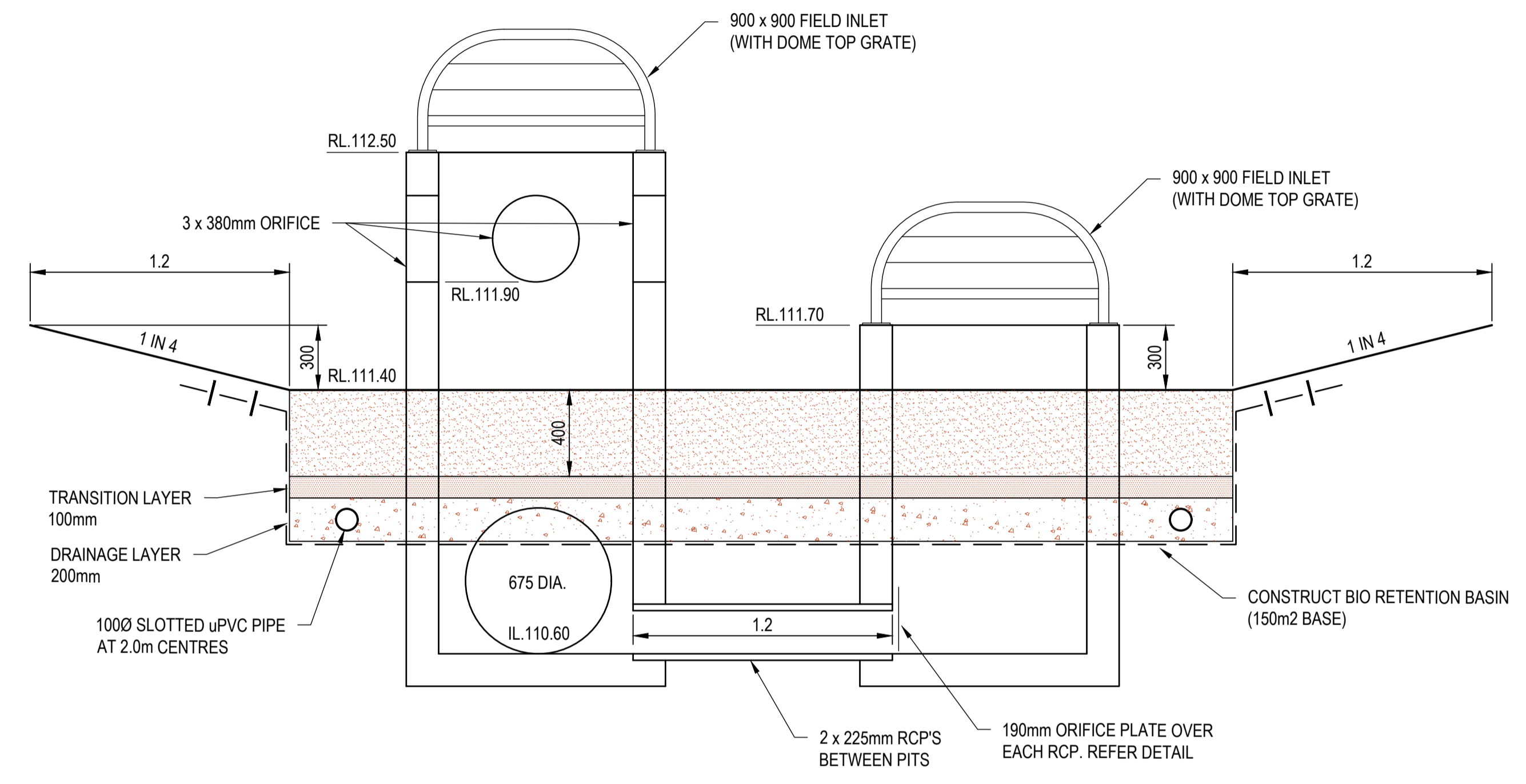
**SERVICES (PUP) LEGEND**

	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.

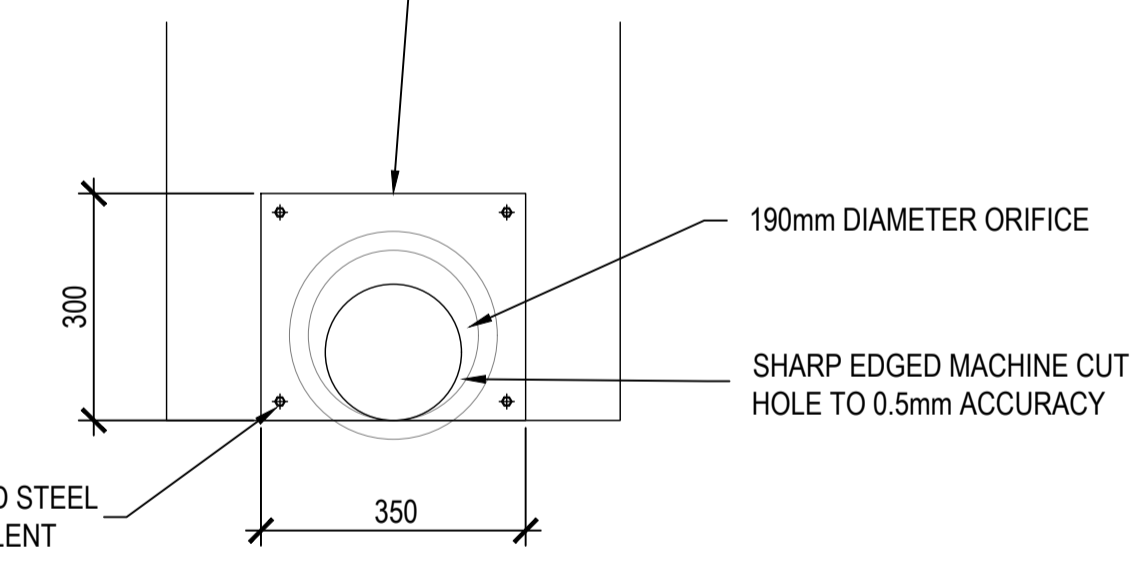
**LEGEND**

EXISTING	PROPOSED
---	→
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○	○
○	○
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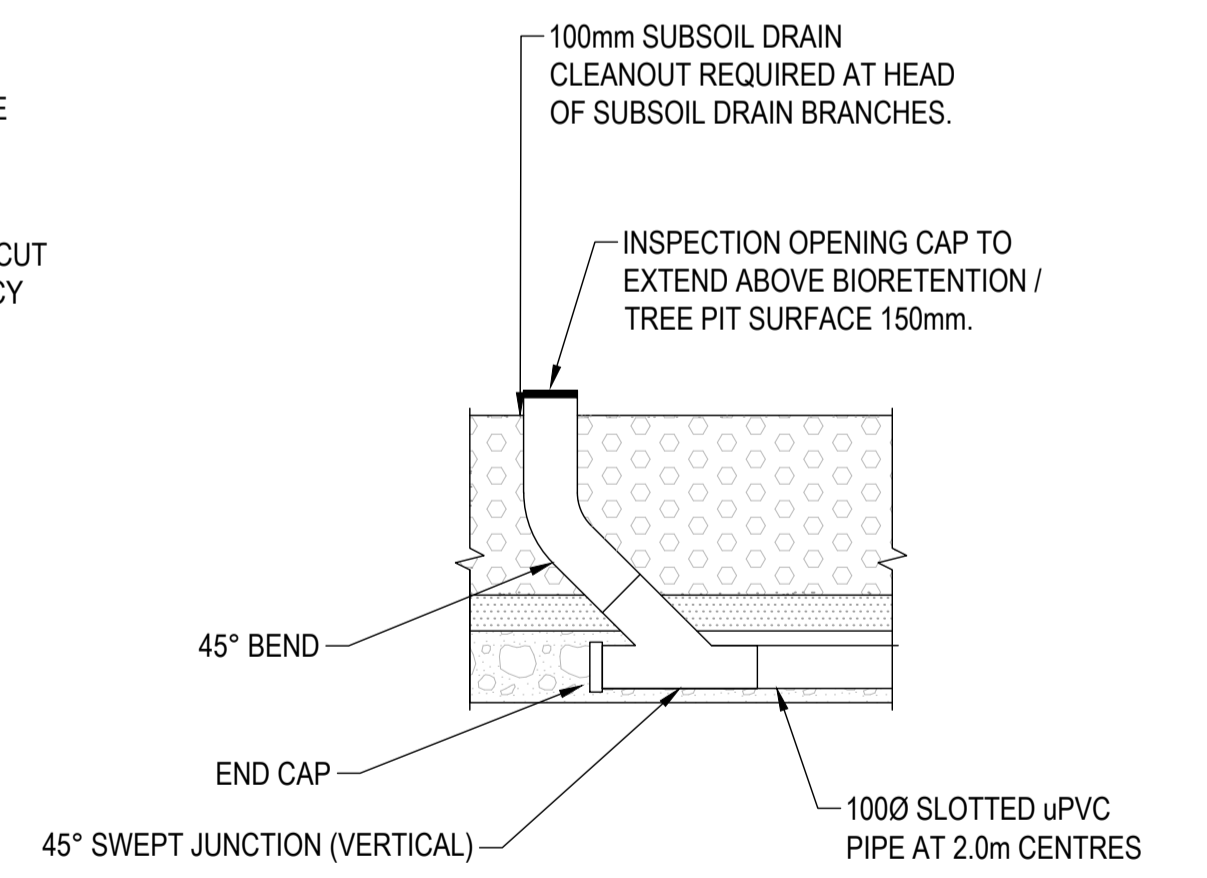


**TYPICAL BIORETENTION BASIN SECTION**  
SCALE 1:20

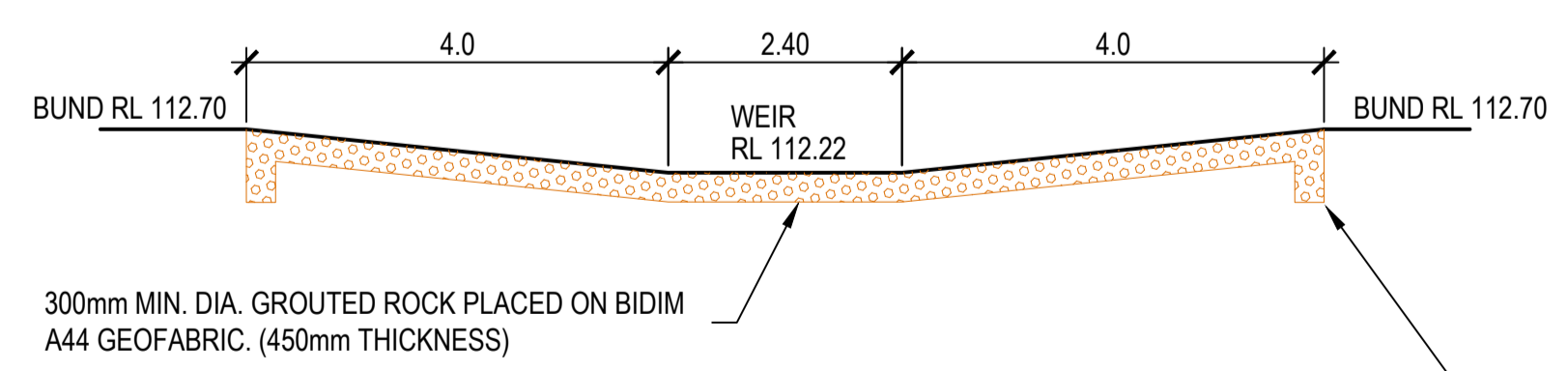
EXPOXY RESIN 10mm THICK ORIFICE PLATE TO WALL AND PROVIDE SILICON SEALANT AROUND THE EDGES OF THE PLATE



**ORIFICE PLATE DETAIL**  
OVER 225 DIA. OUTLET PIPES  
SCALE 1 : 10

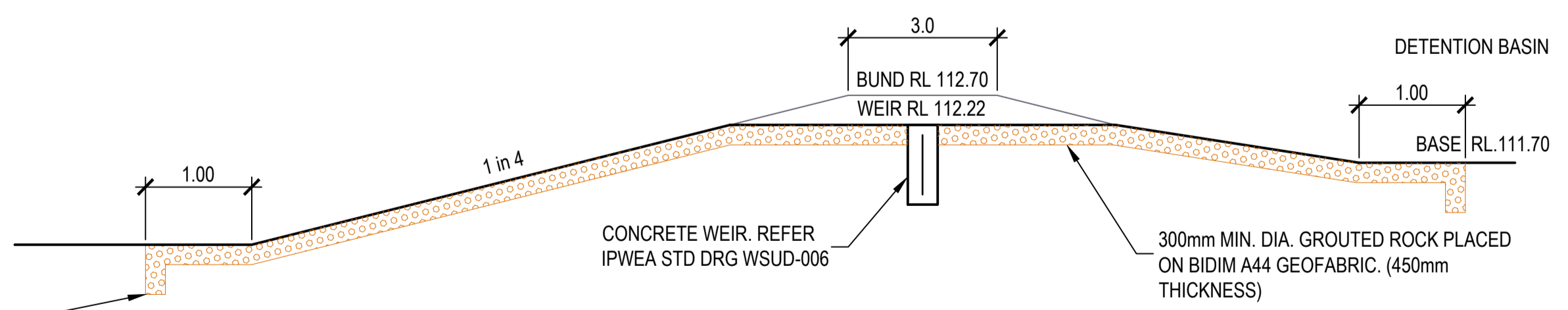


**TYPICAL CLEAROUT TO SURFACE DETAIL**  
NTS

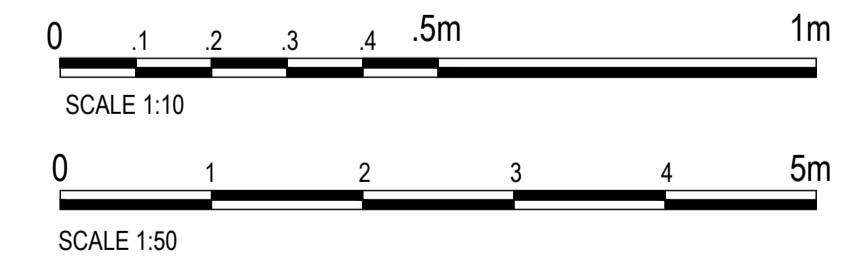


**TYPICAL SECTION THROUGH OVERFLOW WEIR**  
SCALE 1:50

KEY IN ROCK PROTECTION 300mm TO ALL SIDES



**TYPICAL ELEVATION THROUGH OVERFLOW WEIR**  
SCALE 1:50



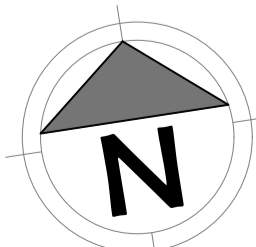
**ENGINEER'S CERTIFICATION**

I, **CALVIN KIRK** hereby certify that the as-constructed details shown on this drawing are a true and accurate record of the construction works, in compliance with the approved drawings and approved design.

Signed: *[Signature]* RPEQ No.: 19536

Dated: 30/05/2025

REVISIONS:	No.	REVISION DESCRIPTION	DRAWN	DATE
4	AS CONSTRUCTED	JP	30/05/25	
3	STORMWATER BASIN AND FIRE TRIAL UPDATED	MP	20/01/25	
2	LINE 47 UPDATED	MP	13/11/24	
1	STORMWATER BASIN AND FIRE TRIAL UPDATED	MP	31/10/24	
0	ISSUED FOR CONSTRUCTION	MP	02/08/24	



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**SCALE**

**PROJECT TITLE**  
**PROPOSED SUBDIVISION**  
174 ADARE ROAD, ADARE, QLD 4343  
STAGES 4 AND 5

**DRAWING TITLE**  
**DRAINAGE BIO RETENTION BASIN DETAILS**

DRAWING STATUS			
<b>AS CONSTRUCTED</b>			
PROJECT LEADER CK	DESIGNER MP	SIGNATURE C. KIRK	RPEQ: 19536 NER: 355220
DRAFTSPERSON MP	SCALE AS SHOWN	DATE 29/08/24	SHEET SIZE A1
JOB No. BR242001	DRAWING No. C4510	REVISION 4	