Stockland

RIVERMONT PRECINCT 2
STAGE 1 - 17 LOTS

DRAWING INDEX

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24-271-03	GENERAL - LAYOUT PLAN
24-271-04	EARTHWORKS - CONTOUR PLAN
24-271-05	EARTHWORKS - SPOT LEVELS PLAN - SHEET 1
24-271-06	EARTHWORKS - SPOT LEVELS PLAN - SHEET 2
24-271-07	ROADWORKS - LONG AND CROSS SECTIONS - NEW ROAD 14
24-271-08	ROADWORKS - LONGITUDINAL SECTION - NEW ROAD 15 & 16
24-271-09	ROADWORKS - CROSS SECTIONS - NEW ROAD 15 & 16
24-271-10	ROADWORKS - LONG AND CROSS SECTIONS - NEW ROAD 17
24-271-11	ROADWORKS - LONG AND CROSS SECTIONS - NEW ROAD 18
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24-271-13	STORMWATER - CATCHMENT PLAN
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24-271-17	STORMWATER - MANHOLE DETAILS - SHEET 1
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24-271-19	STORMWATER - CALCULATION TABLE - SHEET 1
24-271-20	STORMWATER - CALCULATION TABLE - SHEET 2
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24-271-22	STORMWATER - CALCULATION TABLE - SHEET 4
24-271-23	SEDIMENT AND EROSION - CONTOUR PLAN - POST CONSTRUCTION
24-271-24	SEDIMENT BASIN NOTES
24-271-25	PREFERRED BENCHING PLAN
24-271-26	SAFETY AND DESIGN

PLAN
SCALE 1:1000

GENERAL NOTES

1. ALL WORK SHALL BE JOINED NEATLY TO EXISTING CONSTRUCTION.
2. WHERE REFERENCE IS MADE ON THESE DRAWINGS TO A KERB LINE, IT SHALL BE TAKEN TO MEAN THE KERB INVERT LINE.
3. LEVELS FOR KERB AND CHANNEL CONSTRUCTION ARE SHOWN AT LIP OF CHANNEL UNLESS SHOWN OTHERWISE.
4. KERB AND CHANNEL AND SPOON DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH INSTITUTE OF PUBLIC WORKS ENGINEERING AUSTRALIA STANDARD DWG NO SEQ R-080. SPOON DRAINS ACROSS ROAD INTERSECTIONS SHALL BE IN ACCORDANCE WITH INSTITUTE OF PUBLIC WORKS ENGINEERING AUSTRALIA STD DWG NO SEQ R-080. THE CONCRETE SHALL BE CLASS N32 AND THE DEPTH INCREASED BY 50mm TO 175mm AT INVERT. FLUSH KERB TO BE INCREASED IN DEPTH BY 50mm TO 280mm.
5. IF MACHINE MADE KERB AND CHANNEL IS USED, EXTRA FINES AND 20mm SLUMP IS REQUIRED.
6. ALL DRAINAGE CENTRE LINES ARE TO BE 1.5m FROM INVERT OF KERB FOR 6.0m WIDE ROADS AND 2.0m OFF THE INVERT OF THE KERB FOR ALL OTHERS, UNLESS OTHERWISE SHOWN.
7. GULLY CONNECTIONS AND STORM WATER PIPES SHALL BE 375mm DIAMETER CLASS '3' R.C. PIPES UNLESS SHOWN OTHERWISE.
8. THE CONTRACTOR SHALL INITIALLY EXCAVATE THE PAVEMENT BOX TO 225mm BELOW THE FINISHED PAVEMENT LEVEL SHOWN ON THE DRAWINGS. HE SHALL THEN NOTIFY THE ENGINEER WHO WILL FIX THE PAVEMENT THICKNESS TO BE CONSTRUCTED FOLLOWING THE RESULTS OF SUB-GRADE TESTING.
9. NOTWITHSTANDING THE LIMITS OF CUTTING AND FILLING SHOWN ON THE DRAWINGS, THE ACTUAL LIMITS SHALL BE DETERMINED ON SITE BY THE ENGINEER AND SIMILARLY THE FINISHED SURFACE CONTOURS MAY BE ADJUSTED BY WRITTEN DIRECTION OF THE ENGINEER DURING CONSTRUCTION.
10. THE MINIMUM CLEARANCE BETWEEN OUTER WALLS OF PIPES IN MANHOLES SHALL BE 150mm.
11. SUBSURFACE DRAIN CLEANING POINTS SHALL BE INSTALLED IN ACCORDANCE WITH IPWEAQ STD DWG NO SEQ R-140.
12. CONSTRUCTION LOAD CONTROL ON THE INSTALLATION OF REINFORCED CONCRETE STORMWATER PIPE WORK SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE RECOMMENDATIONS DEFINED IN THE CONCRETE PIPE ASSOCIATIONS OF AUSTRALASIA'S "THE INSTALLATIONS OF STEEL REINFORCED CONCRETE PIPES - MINIMUM PIPE COVER REQUIRED FOR VARIOUS COMPACTORS".
13. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL ERECT A STARPICKET AND 2 STRAND WIRE FENCE TO THE PERIMETER OF VEGETATION TO BE RETAINED.

ROOFWATER

1. uP.V.C. SEWER PIPES TO BE USED SHALL BE :-
   (a) PIPES - CLASS SH (TO AS 1260)
   (b) FITTINGS - CLASS M (TO AS 1260)
2. THE MINIMUM COVER TO ALL ROOFWATER DRAINAGE LINES SHALL BE 300mm FOR FRC AND 450mm FOR uPVC. EXCEPT IN THE CASE OF 100mm DIAMETER LINES DISCHARGING THROUGH KERB INTO CHANNEL.
3. THE ENDS OF 100mm ROOFWATER CONNECTIONS FROM LOT DIRECTLY TO GULLY PIT SHALL BE CAPPED AND LOCATED WITH NOT LESS THAN 300mm AND NOT MORE THAN 450mm COVER UNLESS OTHERWISE APPROVED.
4. ALL ROOFWATER LINES TERMINATING IN THE KERB AND CHANNEL SHALL BE LAID AT A MINIMUM GRADE 1 IN 50 AND SHALL HAVE A 'KACEY' CAST ALUMINIUM KERB ADAPTOR OR EQUIVALENT.
5. THE ENDS OF ALL LINES SHALL BE PLUGGED WITH APPROVED FITTINGS.
6. PROVIDE 2 KERB ADAPTORS FOR ALL LOTS . ALL KERB ADAPTORS SHALL BE CAST INTO KERB AND CHANNEL UNLESS PIPED CONNECTION TO SW STRUCTURE PROVIDED.
7. WHERE THE COVER IS LESS THAN 400mm FOR ROOFWATER THE PIPE CLASS SHALL BE SEH uPVC.
8. THE KERB ADAPTOR SHALL BE LOCATED SO THAT ITS CENTRE LINE IS 300mm FROM THE PROJECTION OF THE SIDE BOUNDARY AT THE KERB LINE.

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

SCALE
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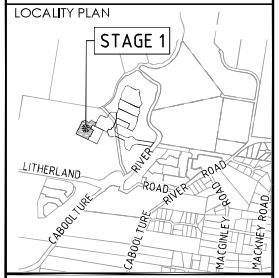
1 : 1000 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	FOR APPROVAL	16.03.2026	DF
C	RFI RESPONSE	11.05.2026	AL

Client
Stockland

Project
RIVERMONT
PRECINCT 2
STAGE 1

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.05.12 09:28:42+10'00'

Drawing Title
GENERAL
LOCALITY PLAN,
DRAWING INDEX AND NOTES

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	01 of 26

A1	Drawing No 24-271-01	Revision C

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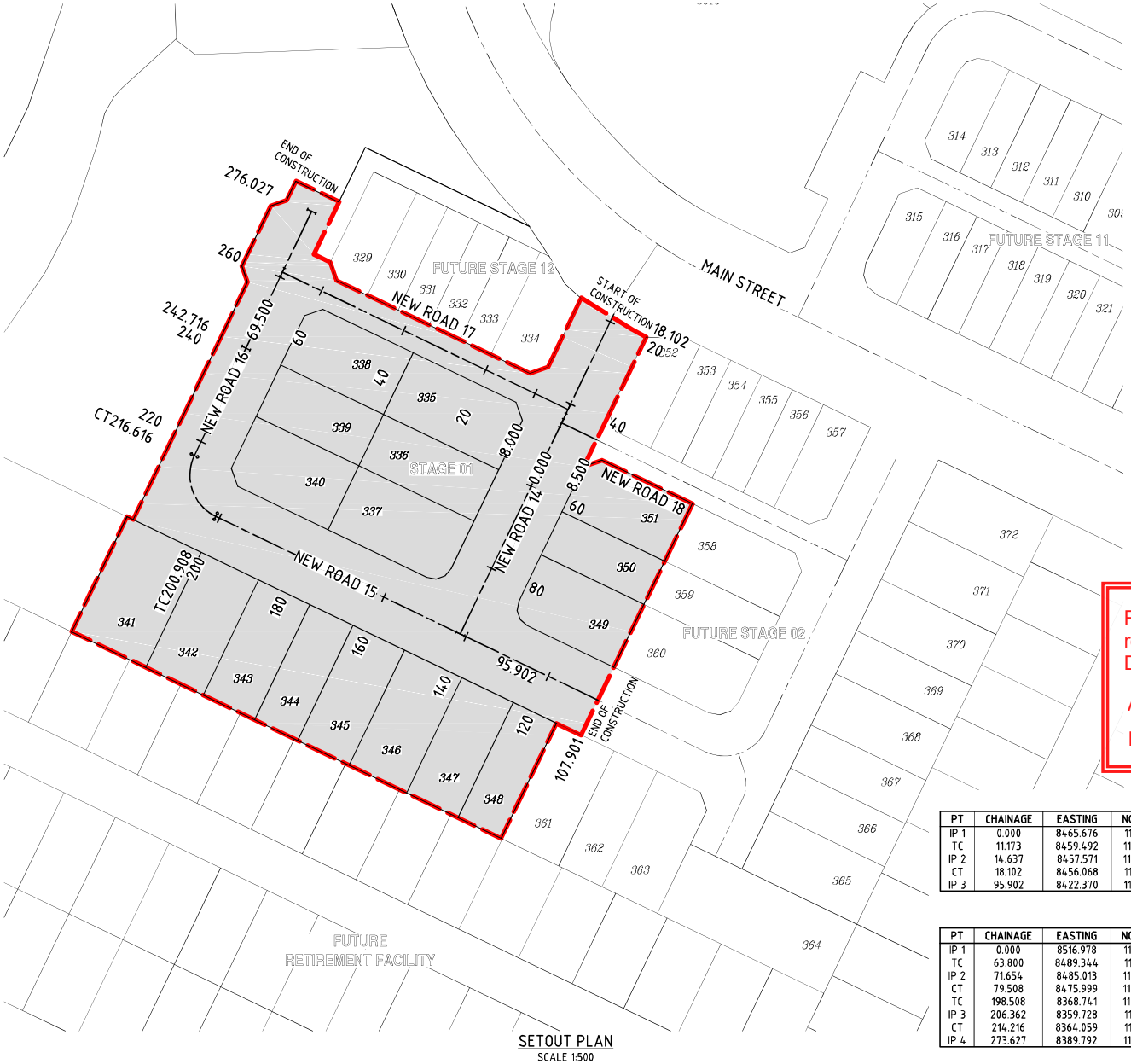

SETOUT PLAN
SCALE 1:500

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

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Queensland Government

NEW ROAD 14 CONTROL LINE DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	8465.676	11858.175	24.279	213°36'27.15"			
TC	11.173	8459.492	11848.870	24.336	213°36'27.15"			
IP 2	14.637	8457.571	11845.979	24.365		R = -50.000	6.930	7°56'27.15"
CT	18.102	8456.068	11842.851	24.351	205°40'00.00"			
IP 3	95.902	8422.370	11772.728	24.690	205°40'00.00"			

NEW ROAD 15 & 16 CONTROL LINE DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	8516.978	11809.143	24.840	205°40'00.00"			
TC	63.800	8489.344	11751.638	25.984	205°40'00.00"			
IP 2	71.654	8485.013	11742.625	25.995		R = 10.000	15.708	90°00'00.00"
CT	79.508	8475.999	11746.956	25.935	295°40'00.00"			
TC	198.508	8368.741	11798.499	23.954	295°40'00.00"			
IP 3	206.362	8359.728	11802.831	23.937		R = 10.000	15.708	90°00'00.00"
CT	214.216	8364.059	11811.844	23.954	25°40'00.00"			
IP 4	273.627	8389.792	11865.393	24.519	25°40'00.00"			

NEW ROAD 17 CONTROL LINE DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	8446.019	11821.940	24.342	295°40'00.00"			
IP 2	69.500	8383.377	11852.043	24.371	295°40'00.00"			

NEW ROAD 18 CONTROL LINE DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	8444.590	11818.966	24.358	115°40'00.00"			
IP 2	69.500	8507.233	11788.863	25.270	115°40'00.00"			

SCALE
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1 : 500 (A1 UNREDUCED)

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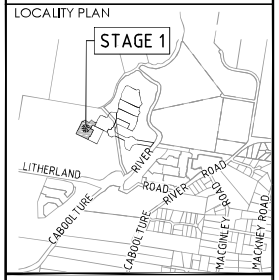
NORTH

LOCALITY PLAN



REVISIONS

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A	FOR APPROVAL	15.12.2025	RP
B	FOR APPROVAL	16.03.2026	DF
C	RFI RESPONSE	11.05.2026	AL

Client
Stockland

Project
RIVERMONT
PRECINCT 2
STAGE 1

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.05.12 09:28:43+10'00'

Drawing Title
GENERAL
SETOUT PLAN

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	02 of 26

	Drawing No	Revision
A1	24-271-02	C

M:\2024\24271 Rivermont P2 Stage 1\Engineering\Acad\24_271_02_GE_SETOUT.dwg Plotted by DF on 12/05/2026 8:27:47 AM

G0-2-27 to be provided as an IPWEA lip-in-line sag gully pit in as per DS-063 and ensure that sag point in road coincides with final stormwater gully location.

LAYOUT PLAN
SCALE 1:500

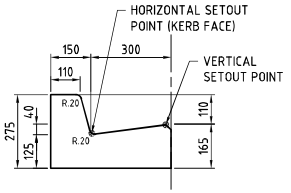
LEGEND

- STAGE BOUNDARY
- PROPOSED ROAD CENTRELINE
- M3 MOUNTABLE KERB AND CHANNEL
- B1 BARRIER KERB AND CHANNEL (300)
- B2 BARRIER KERB
- PROPOSED STORMWATER DRAINAGE
- PROPOSED STORMWATER SUBSOIL
- CONCRETE SLEEPER RETAINING WALL
- FUTURE SLEEPER RETAINING WALL
- ACOUSTIC FENCE BY OTHERS
- FINISHED SURFACE CONTOURS
- STORMWATER MANHOLE NUMBER (14C)
- STORMWATER GULLY PIT NUMBER (G706)
- DRIVEWAY POSITION
- FLUSHING POINT (SIDEDRAIN)
- 150ø ROOFWATER CONNECTION TO GULLY PIT/MH. MIN 450mm COVER IN LOT
- 100ø PVC ROOFWATER CONNECTION TO KERB ADAPTOR
- KERB ADAPTOR LOCATION
- EXISTING STORMWATER
- EXISTING WATER MAIN
- EXISTING FENCE

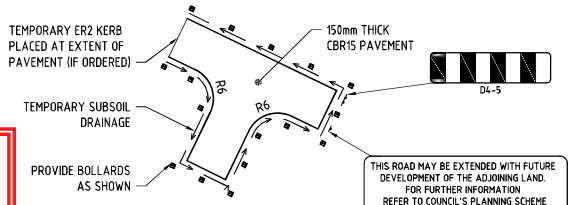
AMENDED IN RED
By: Justin Lee
Date: 29/06/2026

Queensland Government

KERB SETOUT DETAIL - MOUNTABLE KERB AND CHANNEL TYPE M3
SCALE 1:10



KERB SETOUT DETAIL
BARRIER KERB AND CHANNEL TYPE B1
SCALE 1:10



TEMPORARY TURNAROUND DETAIL- ROAD 19
SCALE NTS

SCALE 10 5 0 10 20 30 40 50m
1 : 500 (A1 UNREDUCED)

FIRE ANT TREATMENT ZONE
HIGH RISK FIRE ANT RESTRICTED AREA (RED ZONE). MOVEMENT OF RESTRICTED ITEMS SHALL BE IN ACCORDANCE WITH DEPARTMENT OF AGRICULTURE, FISHERIES AND FORESTRY REQUIREMENTS. REFER TO www.daff.qld.gov.au

DANGER UNDERGROUND CABLES

DANGER LIVE WIRES AND COMMUNICATION SERVICES

DIAL BEFORE YOU DIG www.1100.com.au

PROPOSED WORKS ARE NEAR EXISTING SERVICES. CONTRACTOR TO COMPLETE DBYD AND LOCATE ALL EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION. POST SERVICE LOCATION, CONTRACTOR TO SUPPLY SURVEY INFORMATION TO SUPERINTENDENT'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORK.

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV-2026-WAR-4894
Date: 03/07/2026

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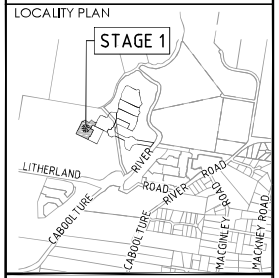
NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	FOR APPROVAL	16.03.2026	DF
C	RFI RESPONSE	11.05.2026	AL

Client: Stockland

Project: RIVERMONT PRECINCT 2 STAGE 1

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.05.12 09:28:43+10'00'

Drawing Title: GENERAL LAYOUT PLAN

Drawn	Designed	Checked	Date
RP	AL	MAS	MAY '26

Scale	Sheet
AS SHOWN	03 of 26

A1	Drawing No	Revision
	24-271-03	C

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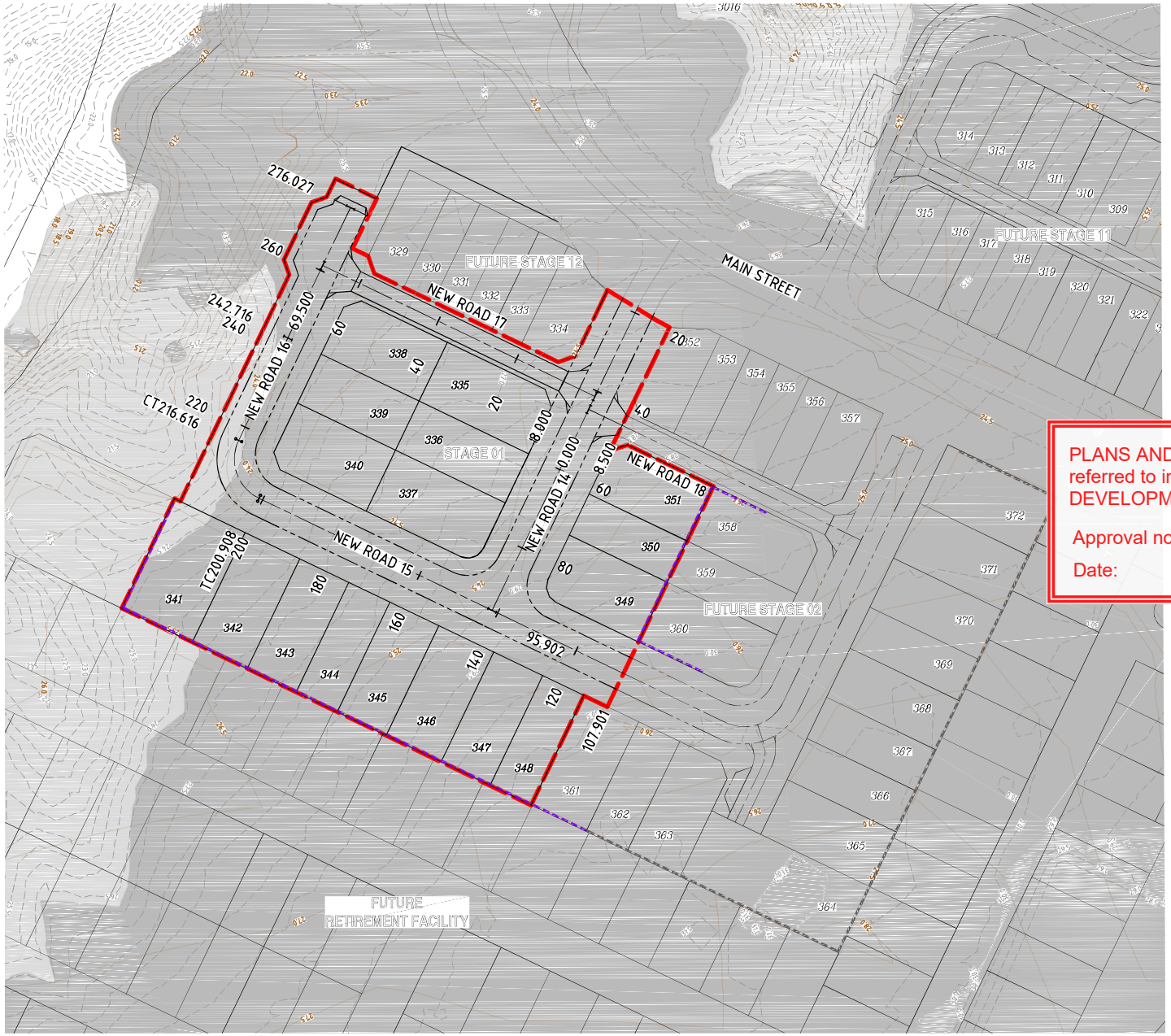

EARTHWORKS CONTOUR PLAN
SCALE 1:500

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

DANGER
UNDERGROUND CABLES

DANGER
LIVE WIRES AND COMMUNICATION SERVICES

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DO NOT SCALE THIS DRAWING
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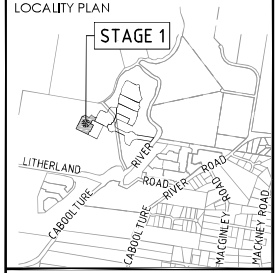
NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	11.05.2026	AL

Client
Stockland

Project
RIVERMONT
PRECINCT 2
STAGE 1

kn group
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Date: 2026.05.12 09:28:43+10'00'

Drawing Title
EARTHWORKS CONTOUR PLAN

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	04 of 26

	Drawing No	Revision
A1	24-271-04	B

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PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

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Date: 03/07/2026

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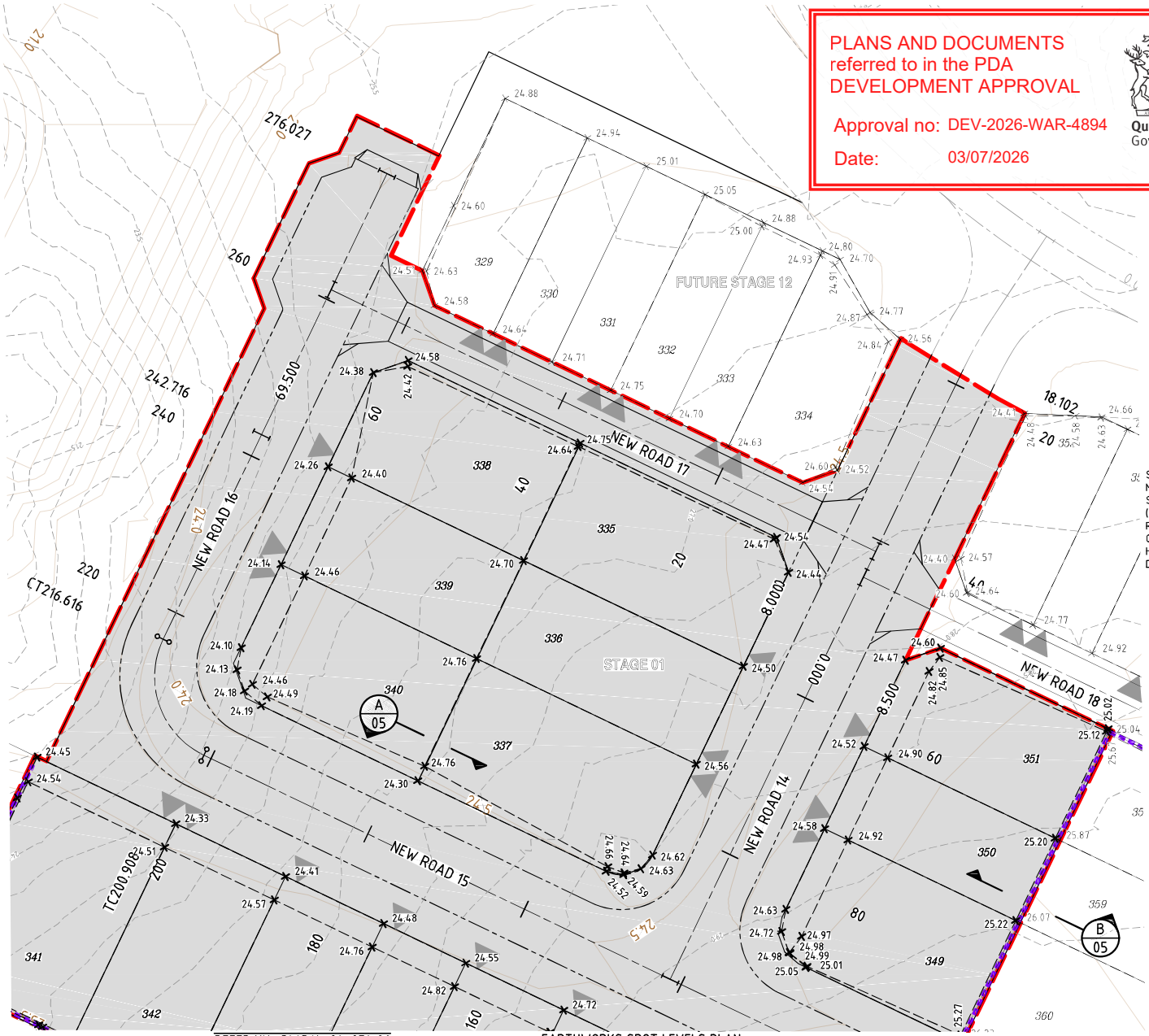
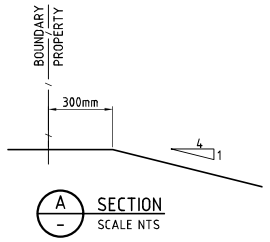


EARTHWORKS SPOT LEVELS PLAN
SCALE 1:250



A SECTION
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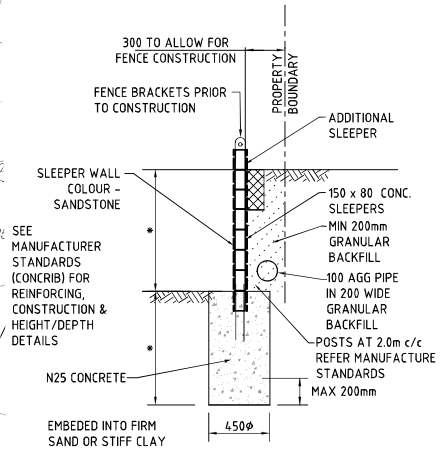

B SECTION
SCALE NTS

LEGEND

- STAGE BOUNDARY
- PROPOSED ROAD CENTRELINE
- M3 MOUNTABLE KERB AND CHANNEL
- B1 BARRIER KERB AND CHANNEL (300)
- B2 BARRIER KERB
- FINISHED SURFACE CONTOURS
- NATURAL SURFACE CONTOURS
- BATTER LINE
- EXISTING SLEEPER RETAINING WALL
- CONCRETE SLEEPER RETAINING WALL
- FUTURE SLEEPER RETAINING WALL
- DRIVEWAY POSITION
- ×23.300 FINISHED SURFACE LEVELS

SCALE
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1 : 250 (A1 UNREDUCED)

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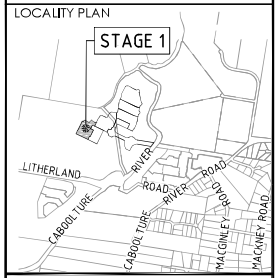
NORTH

LOCALITY PLAN



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Client: Stockland

Project:
RIVERMONT
PRECINCT 2
STAGE 1

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.05.12 09:28:44+10'00'

Drawing Title:
EARTHWORKS
SPOT LEVELS PLAN
SHEET 1

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	05 of 26

A1	Drawing No	Revision
	24-271-05	C

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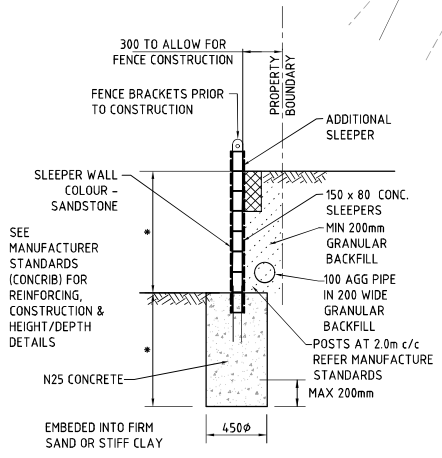
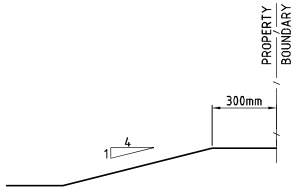


B / - SECTION
SCALE NTS

EARTHWORKS SPOT LEVELS PLAN
SCALE 1:250



A / - SECTION
SCALE NTS

LEGEND

- STAGE BOUNDARY
- PROPOSED ROAD CENTRELINE
- M3 MOUNTABLE KERB AND CHANNEL
- B1 BARRIER KERB AND CHANNEL (300)
- B2 BARRIER KERB
- FINISHED SURFACE CONTOURS
- NATURAL SURFACE CONTOURS
- BATTER LINE
- EXISTING SLEEPER RETAINING WALL
- CONCRETE SLEEPER RETAINING WALL
- FUTURE SLEEPER RETAINING WALL
- DRIVEWAY POSITION
- ×23.300 FINISHED SURFACE LEVELS

SCALE 5 0 5 10 15 20 25m
1 : 250 (A1 UNREDUCED)

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

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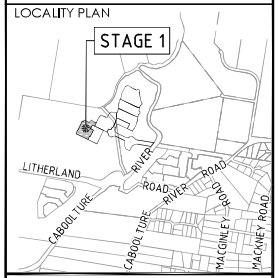
LOCALITY PLAN



REVISIONS

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Client
Stockland

Project
RIVERMONT
PRECINCT 2
STAGE 1

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.05.12 09:28:44+10'00'

Drawing Title
EARTHWORKS
SPOT LEVELS PLAN
SHEET 2

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	06 of 26

A1	Drawing No	Revision
	24-271-06	B

M:\2024\24271\Rivermont P2 Stage 1\Engineering\Acad\24_271_05_06_EW_SPOT_LEVEL.dwg Plotted by: DF on 12/05/2026 8:29:03 AM

NOMINAL PAVEMENT DETAILS

LIVING RESIDENTIAL

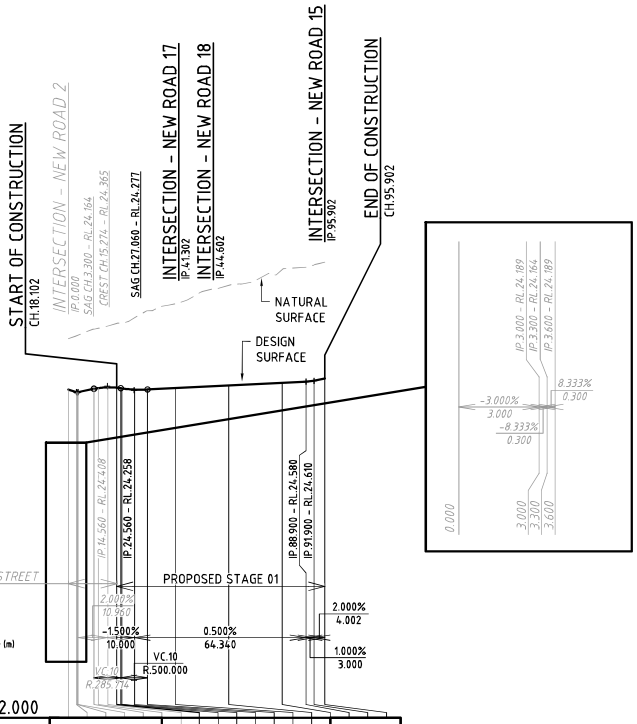
30mm ASPHALTIC CONCRETE
5mm PRIMER SEAL
100mm BASE COURSE (TYPE 2.1, CBR 80)
100mm UPPER SUB-BASE COURSE (TYPE 2.3, CBR 45)
200mm LOWER SUB-BASE COURSE (TYPE 2.5, CBR 15)
SUBGRADE REPLACEMENT 300mm (TYPE 2.5, CBR 15)
DESIGN ESA = 1.2 X 10^5

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government



DATUM R.L.12.000

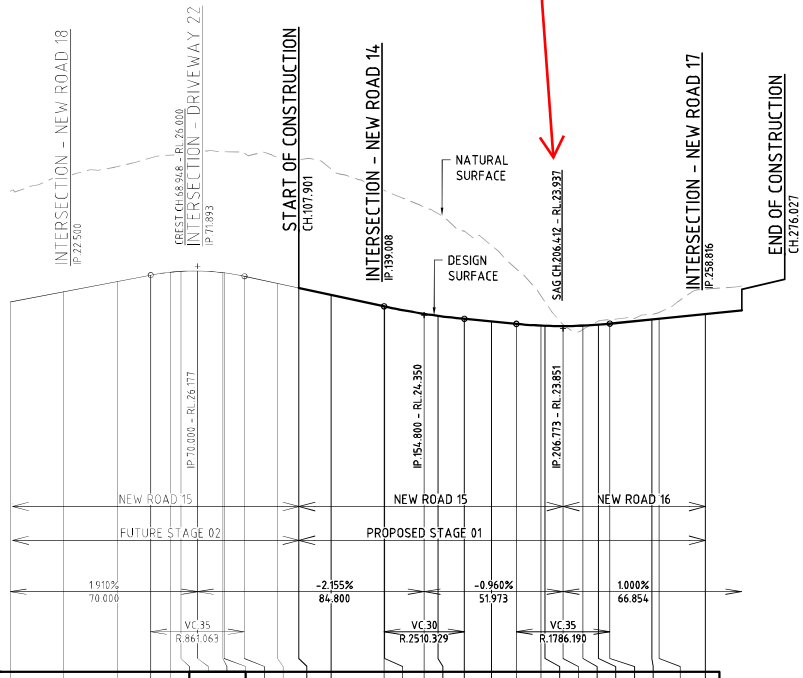
| | | |

NOMINAL PAVEMENT DETAILS
LIVING RESIDENTIAL
30mm ASPHALTIC CONCRETE
5mm PRIMER SEAL
100mm BASE COURSE (TYPE 2.1, CBR 80)
100mm UPPER SUB-BASE COURSE (TYPE 2.3, CBR 45)
200mm LOWER SUB-BASE COURSE (TYPE 2.5, CBR 15)
SUBGRADE REPLACEMENT 300mm (TYPE 2.5, CBR 15)
DESIGN ESA = 1.2 X 10^5

AMENDED IN RED
By: Justin Lee
Date: 29/06/2026
Queensland Government

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV-2026-WAR-4894
Date: 03/07/2026
Queensland Government

Ensure sag point coincides with sag gully pit location, to be confirmed as part of CPM.



DATUM R.L.11.000

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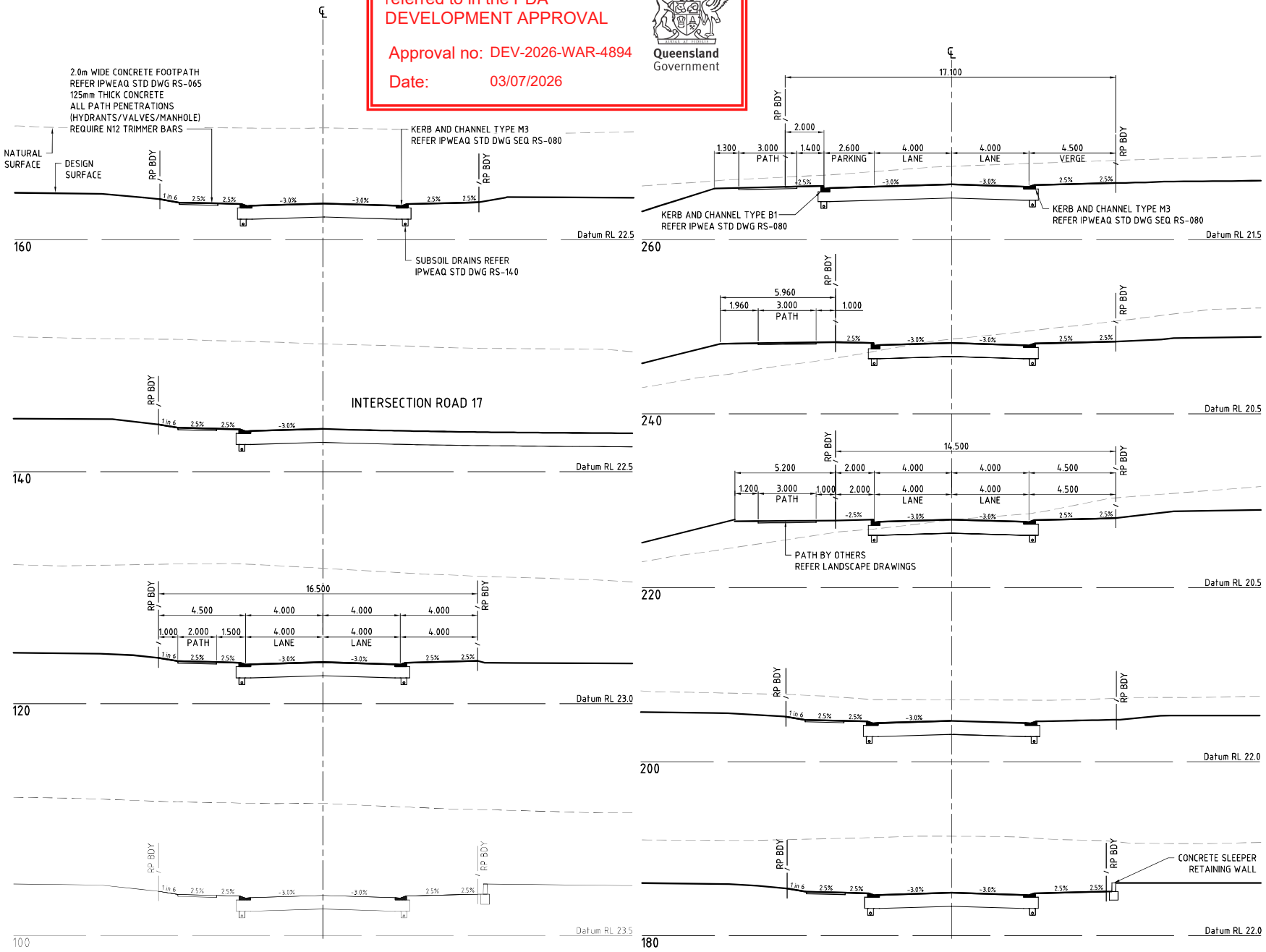
PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government



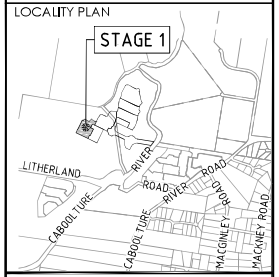
CROSS SECTIONS - NEW ROAD 15 & 16

SCALE 1 0.5 0 1 2 3 4 5 6 7 8 9 10m

1 : 100 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	FOR APPROVAL	16.03.2026	DF
C	RFI RESPONSE	11.05.2026	AL

Client: Stockland

Project:
RIVERMONT
PRECINCT 2
STAGE 1

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.05.12 09:28:45+10'00'

Drawing Title:
ROADWORKS
CROSS SECTIONS
NEW ROAD 15 & 16

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY '26

Scale	Sheet
AS SHOWN	09 of 26

A1	Drawing No	Revision
	24-271-09	C

M:\2024\24271 Rivermont P2 Stage 1\Engineering\Acad\24_271_07_11_ROADWORKS CROSS.dwg Plotted by DF on 12/05/2026 8:39:19 AM

NOMINAL PAVEMENT DETAILS
LANEWAY RESIDENTIAL
175mm N40 CONCRETE - EXPOSED AGGREGATE
SL92 REINFORCEMENT WITH 50mm TOP COVER INCLUDING CROSS OVER
200mm COMPACTED CBR45 GRAVEL(TYPE 2.3)
360mm SUBGRADE REPLACEMENT(TYPE 2.5, CBR 15)
DESIGN ESA = 2×10^4
COLOUR: PLAIN GREY
FINISH: 3mm MEDIUM EXPOSURE
AGGREGATE: HY-TEC JAFFA 90

Refer to pavement design conditions.

Broomed or hessian drag surface finish to be provided in lieu of exposed aggregate finish proposed for the concrete pavement.

AMENDED IN RED

By: Justin Lee

Date: 29/06/2026

Queensland Government

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

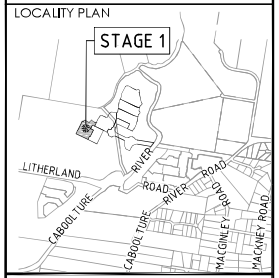
Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

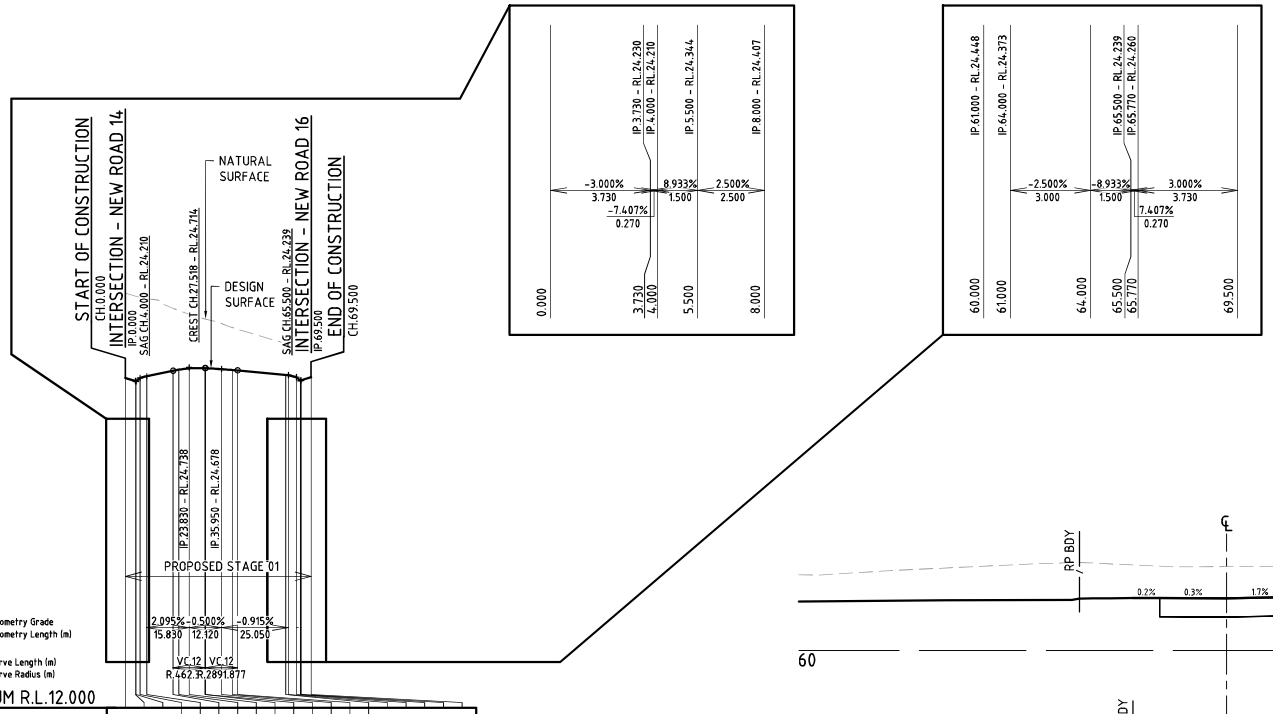
DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	FOR APPROVAL	16.03.2026	DF
C	RFI RESPONSE	11.05.2026	AL



DATUM R.L.12.000

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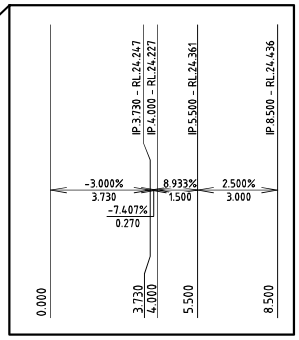
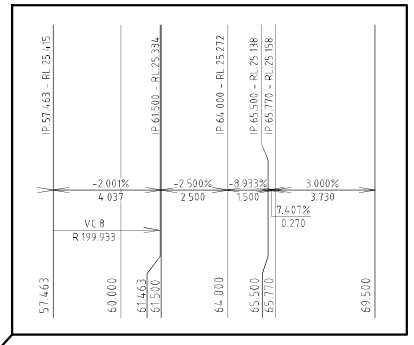
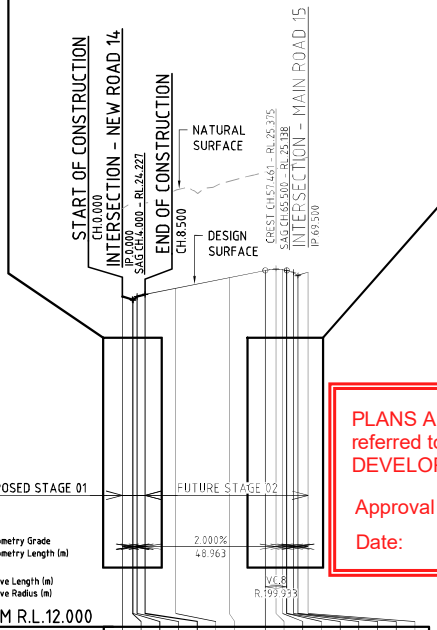
NOMINAL PAVEMENT DETAILS

LANEWAY RESIDENTIAL

175mm N40 CONCRETE - EXPOSED AGGREGATE
SL92 REINFORCEMENT WITH 50mm TOP COVER INCLUDING CROSS OVER
200mm COMPACTED CBR45 GRAVEL(TYPE 2.3)
360mm SUBGRADE REPLACEMENT(TYPE 2.5, CBR 15)
DESIGN ESA = $2x10^4$
COLOUR: PLAIN GREY
FINISH: 3mm MEDIUM EXPOSURE
AGGREGATE: HY-TEC JAFFA 90







DATUM R.L.12.000

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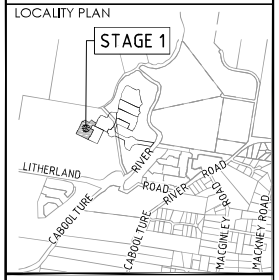
DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	11.05.2026	AL

Client

Stockland

Project

RIVERMONT
PRECINCT 2
STAGE 1

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Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.05.12 09:28:46+10'00'

Drawing Title
ROADWORKS
INTERSECTION DETAILS
AND LINEMARKING PLAN

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY '26

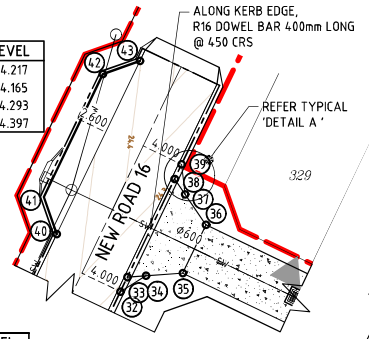
Scale	Sheet
AS SHOWN	12 of 26

Drawing No	Revision
24-271-12	B

A1

SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
40	8378.175	11849.761	24.217
41	8376.958	11853.231	24.165
42	8382.481	11864.724	24.293
43	8385.951	11865.941	24.397



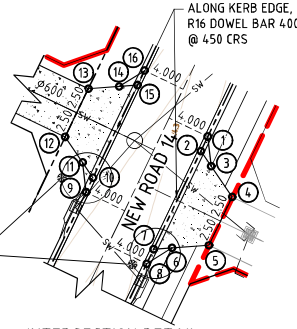
INTERSECTION DETAIL -
NEW ROAD 16 & 17
SCALE 1:250

SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
27	8368.504	11812.482	23.912
28	8367.652	11809.168	23.933
29	8368.133	11805.780	23.961
30	8369.874	11802.834	23.989
31	8372.610	11800.779	24.011

SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
32	8384.136	11844.370	24.176
33	8384.785	11845.722	24.191
34	8386.511	11845.850	24.331
35	8389.956	11846.108	24.423
36	8392.126	11850.613	24.474
37	8390.175	11853.474	24.416
38	8389.199	11854.907	24.293
39	8389.849	11856.276	24.306



INTERSECTION DETAIL -
NEW ROAD 14, 17 & 18
SCALE 1:250

SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
1	8451.055	11823.184	24.194
2	8450.405	11821.832	24.201
3	8451.381	11820.402	24.339
4	8453.336	11817.537	24.423
5	8451.166	11813.032	24.448
6	8447.718	11812.777	24.382
7	8445.992	11812.648	24.252
8	8445.342	11811.296	24.260
9	8439.680	11817.983	24.242
10	8440.321	11819.339	24.238
11	8439.351	11820.762	24.364
12	8437.724	11823.153	24.419
13	8439.894	11827.658	24.394
14	8442.769	11827.875	24.324
15	8444.496	11828.004	24.186
16	8445.145	11829.356	24.179

LEGEND

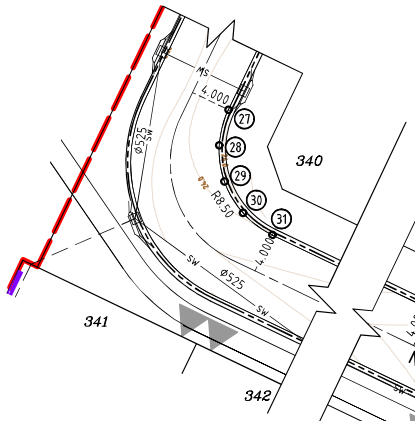
- STAGE BOUNDARY
- PROPOSED ROAD CENTRELINE
- M3 MOUNTABLE KERB AND CHANNEL
- B1 BARRIER KERB AND CHANNEL (300)
- B2 BARRIER KERB
- 36.0 / 3.000 — FINISHED SURFACE CONTOURS / OFFSET TO KERB FACE
- DJ — DOWEL JOINT
- CJ — SAW CUT JOINT (C.J.)

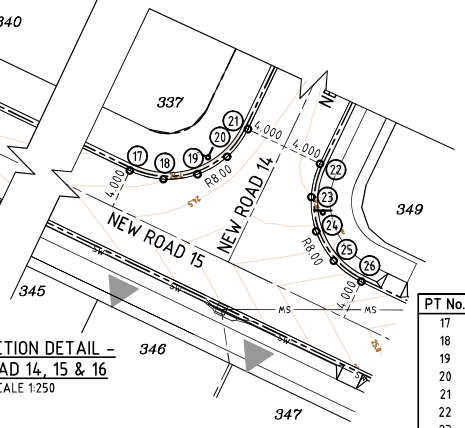
DRIVEWAY SETOUT AND LEVELS ONLY CONSTRUCTED IN ACCORDANCE WITH IPWEAQ STANDARD DWG RS-051.
175mm THICK, SL92 MESH, N40 CONCRTE, 50mm TOP COVER.
MINIMUM 200mm CBR45 BASE.
FINISH: 3mm, MEDIUM EXPOSURE
AGGREGATE: HY-TEC - JAFFA 90
COLOUR: PLAIN GREY
JOINTING FILLER: SIKAFLEX PRO - GREY

LINEMARKING LEGEND

- EDGE LINE (EL) — 150mm
- GIVE WAY LINE (GWL) — 600mm STRIPE AND GAP — 300mm
- BARRIER LINE (BL) — RRPM — MIN 4m MAX 12m — 100mm
- UNBROKEN YELLOW NO STOPPING LINE (LLCY) — 100mm

NOTE- RETROREFLECTIVE RAISED PAVEMENT MARKERS (RRPM'S) REQUIRED TO ALL LANE LANES AND ALL PERIMETER OF CHEVRONS AS PER MAIN ROADS 'MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES' (MUTCD).

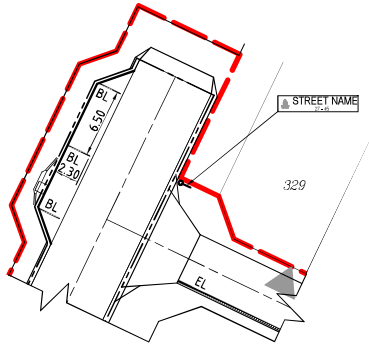




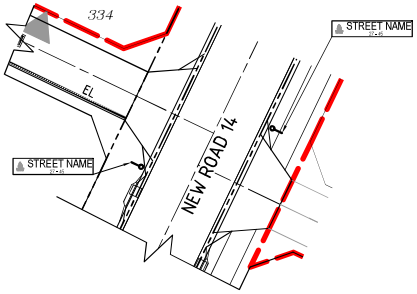
INTERSECTION DETAIL -
NEW ROAD 14, 15 & 16
SCALE 1:250

SETOUT TABLE

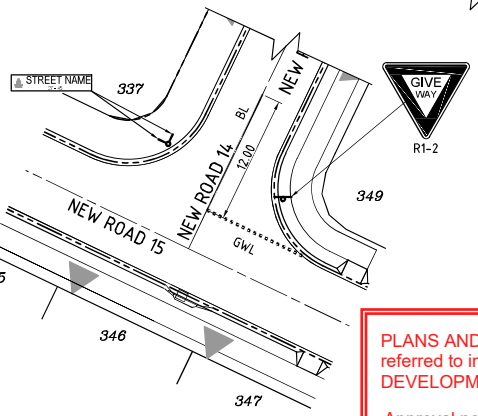
PT No.	EASTING	NORTHING	LEVEL
17	8413.170	11781.287	24.353
18	8416.295	11780.484	24.397
19	8419.490	11780.938	24.439
20	8422.268	11782.580	24.454
21	8424.206	11785.159	24.443
22	8430.930	11781.928	24.443
23	8430.127	11778.803	24.505
24	8430.580	11775.608	24.623
25	8432.222	11772.830	24.748
26	8434.802	11770.892	24.837



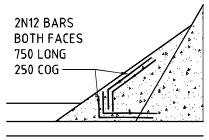
SIGNS AND LINEMARKING -
NEW ROAD 16 & 17
SCALE 1:250



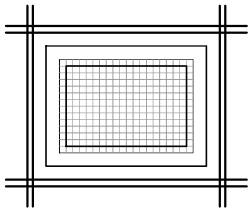
SIGNS AND LINEMARKING -
NEW ROAD 14, 17 & 18
SCALE 1:250



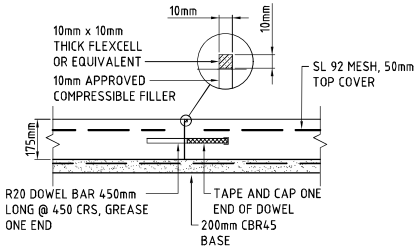
SIGNS AND LINEMARKING -
NEW ROAD 14 & 15
SCALE 1:250



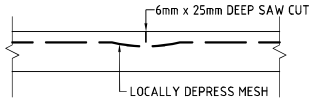
DETAIL A
TYPICAL TREATMENT
N.T.S.



REINFORCING DETAIL AT INLETS
SCALE - NTS



DOWEL JOINT
DENOTED 'DJ' ON PLAN
SCALE 1:10



CUT JOINT
DENOTED 'CJ' ON PLAN
SCALE 1:10

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

SCALE
5 0 5 10 15 20 25m
1 : 250 (A1 UNREDUCED)

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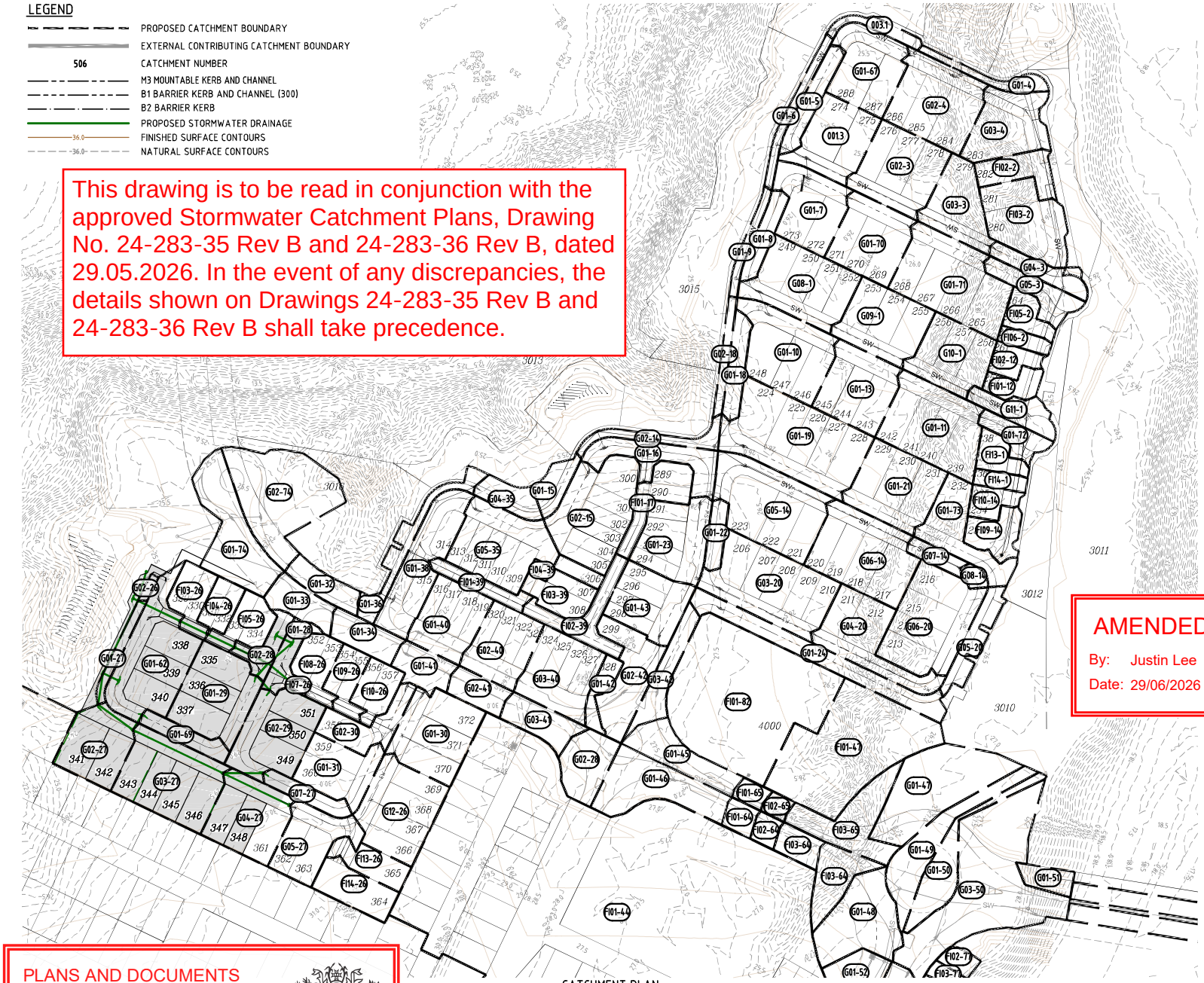
LEGEND

- PROPOSED CATCHMENT BOUNDARY
- EXTERNAL CONTRIBUTING CATCHMENT BOUNDARY
- 506 CATCHMENT NUMBER
- M3 MOUNTABLE KERB AND CHANNEL
- B1 BARRIER KERB AND CHANNEL (300)
- B2 BARRIER KERB
- PROPOSED STORMWATER DRAINAGE
- 36.0 FINISHED SURFACE CONTOURS
- 36.0 NATURAL SURFACE CONTOURS

This drawing is to be read in conjunction with the approved Stormwater Catchment Plans, Drawing No. 24-283-35 Rev B and 24-283-36 Rev B, dated 29.05.2026. In the event of any discrepancies, the details shown on Drawings 24-283-35 Rev B and 24-283-36 Rev B shall take precedence.



AMENDED IN RED

By: Justin Lee

Date: 29/06/2026

Queensland Government

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

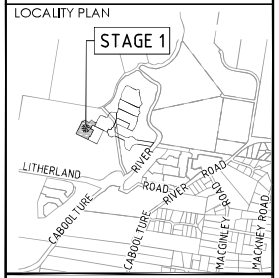
SCALE 10 5 0 10 20 30 40 50 60 70 80 90 100m

1 : 1000 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	FOR APPROVAL	16.03.2026	DF
C	RFI RESPONSE	11.05.2026	AL

Client: Stockland

Project: RIVERMONT PRECINCT 2 STAGE 1

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.05.12 09:28:47+10'00'

Drawing Title: STORMWATER CATCHMENT PLAN

Drawn	Designed	Checked	Date
RP	AL	MAS	MAY '26

Scale	Sheet
AS SHOWN	13 of 26

Size	Drawing No	Revision
A1	24-271-13	B

M:\2024\24271\Rivermont P2 Stage 1\Engineering\Acad\24_271_13_14_CATCHMENT.dwg Plotted by: DF on 12/05/2026 8:31:01 AM

This drawing is to be read in conjunction with the approved Stormwater Catchment Table, Drawing No. 24-283-37 Rev B, dated 29.05.2026. In the event of any discrepancies, the details shown on Drawing 24-283-37 Rev B shall take precedence.

CATCHMENT TABLE

CATCHMENT NO.	AREA (ha)	CATCHMENT NO.	AREA (ha)	CATCHMENT NO.	AREA (ha)
FI14–1	0.021	G22–25	0.016	G03–52	0.034
FI13–1	0.037	G21–25	0.016	G02–52	0.036
G11–1	0.050	G20–25	0.016	FI01–52	0.052
G10–1	0.163	G19–25	0.012	G04–53	0.035
G09–1	0.087	FI14–26	0.070	G03–53	0.025
G08–1	0.162	FI13–26	0.052	G02–53	0.034
G03–1	0.025	G12–26	0.156	G01–53	0.030
FI06–2	0.021	FI10–26	0.051	G04–54	0.016
FI05–2	0.038	FI09–26	0.048	G03–54	0.034
FI03–2	0.133	FI08–26	0.056	G02–54	0.031
FI02–2	0.057	FI07–26	0.006	FI01–54	0.051
G05–3	0.056	FI05–26	0.056	G04–55	0.033
G04–3	0.048	FI04–26	0.038	G03–55	0.035
G03–3	0.146	FI03–26	0.054	G02–55	0.034
G02–3	0.147	G02–26	0.006	G01–55	0.034
G01–3	0.122			G05–56	0.036
G03–4	0.116			G04–56	0.037
G02–4	0.164	G05–27	0.103	G03–56	0.037
G01–4	0.032	G04–27	0.135	G02–56	0.034
G01–5	0.050	G03–27	0.181	FI01–56	0.051
G01–6	0.034	G02–27	0.112	G05–57	0.021
G01–7	0.119	G01–27	0.023	G04–57	0.016
G01–3	0.122	G02–26	0.006	G03–57	0.019
G01–8	0.040	G02–28	0.039	G02–57	0.019
G01–9	0.024	G01–28	0.039	G01–57	0.019
G01–10	0.161	G02–29	0.145	FI03–58	3.159
G08–1	0.162	G01–29	0.150	G07–59	0.023
G01–11	0.177	G02–30	0.147	G06–59	0.037
G10–1	0.163	G01–30	0.070	G05–59	0.036
FI02–12	0.032	G01–31	0.099	G04–59	0.036
FI01–12	0.033	G01–32	0.048	G03–59	0.036
G01–13	0.128	G01–33	0.058	G02–59	0.037
G09–1	0.087	G01–34	0.053	FI01–59	0.037
FI10–14	0.032	G05–35	0.158	FI01–61	0.052
FI09–14	0.052	G04–35	0.042	G26–25	0.016
G08–14	0.012	G01–36	0.062	G01–62	0.190
G07–14	0.025	G01–38	0.136	G01–27	0.023
G06–14	0.181	FI04–39	0.027	FI02–63	9.038
G05–14	0.197	FI03–39	0.058	FI03–64	0.101
G02–14	0.038	FI02–39	0.069	FI02–64	0.019
G02–15	0.180	FI01–39	0.038	FI01–64	0.023
G01–15	0.036	G03–40	0.129	FI03–65	0.111
G02–14	0.038	G02–40	0.107	FI02–65	0.014
G01–16	0.088	G04–52	0.017	G02–14	0.038
FI01–17	0.066	G03–41	0.059	G01–66	0.075
G02–18	0.025	G02–41	0.044	G01–67	0.127
G01–18	0.044	G01–41	0.051	G03–1	0.025
G01–19	0.251	FI03–42	0.763	G01–69	0.039
G06–20	0.188	G02–42	0.061	G03–27	0.084
G05–20	0.052	G01–42	0.108	G01–70	0.128
G04–20	0.134	G01–43	0.112	G02–3	0.147
G03–20	0.202	G02–42	0.061	G01–71	0.197
G01–21	0.145	FI01–44	2.559	G03–3	0.146
G06–14	0.207	G01–45	0.082	G01–72	0.040
G01–22	0.029	G01–46	0.132	G11–1	0.050
G01–23	0.127	FI01–47	0.268	G01–73	0.099
G01–24	0.123	G01–48	0.137	G07–14	0.025
G03–20	0.202	G01–49	0.106	G02–74	0.206
G27–25	0.018	IN4–50	0.134	G01–74	0.144
G26–25	0.016	G03–50	0.326	G01–75	0.185
G25–25	0.017	G01–50	0.081	G01–76	0.029
G24–25	0.016	IN2–51	0.135		
G23–25	0.016	G01–51	0.030		
G01–40	0.110	FI01–65	0.018		

AMENDED IN RED

By: Justin Lee

Date: 29/06/2026

Queensland Government

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

DO NOT SCALE THIS DRAWING
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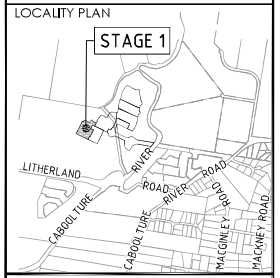
NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	FOR APPROVAL	16.03.2026	DF
C	RFI RESPONSE	11.05.2026	AL

Client

Stockland

Project

RIVERMONT
PRECINCT 2
STAGE 1

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

M. Shaw

Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.05.12 09:28:47+10'00'

Drawing Title

STORMWATER
CATCHMENT TABLES

Drawn	Designed	Checked	Date
RP	AL	MAS	MAY 26

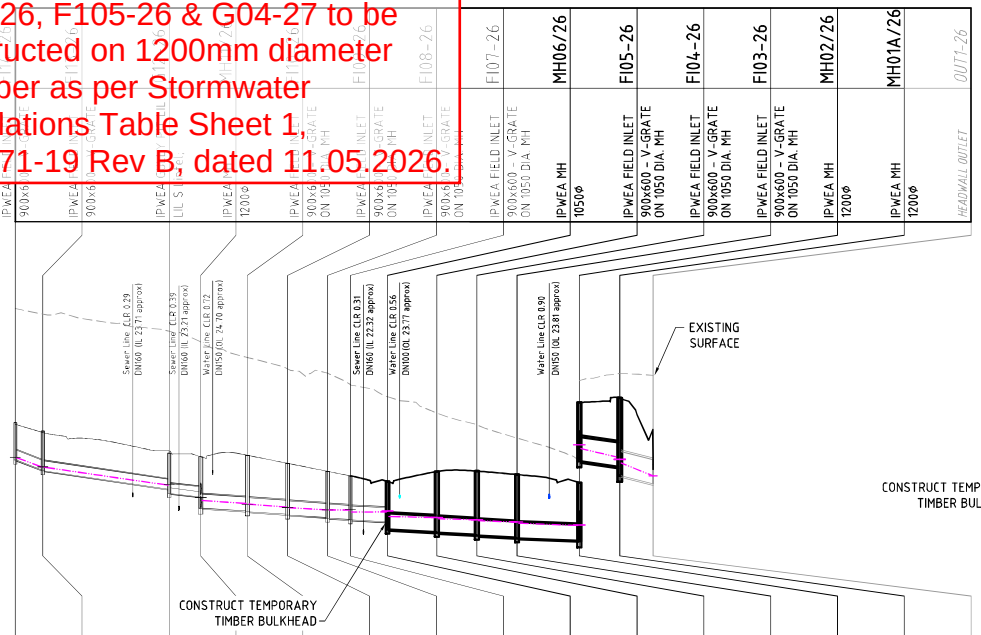
Scale	Sheet
AS SHOWN	14 of 26

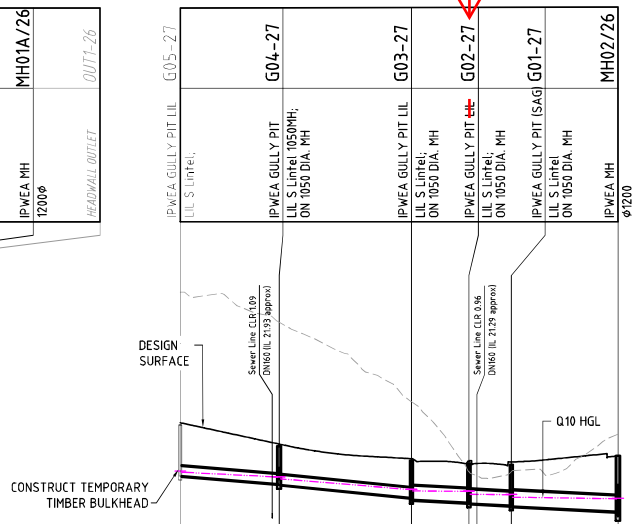
A1	Drawing No 24-271-14	Revision B

M:\2024\24271 Rivermont P2 Stage 1\Engineering\Acad\24-271-13-14-CATCHMENT.dwg Plotted by: DF on 12/05/2026 8:31:10 AM

Stormwater structures F103-26, F104-26, F105-26 & G04-27 to be constructed on 1200mm diameter chamber as per Stormwater Calculations Table Sheet 1, #24-271-19 Rev B, dated 11.05.2026.

G0-2-27 to be provided as an IPWEA sag gully pit.





| | | |

	G02-28	G01-28	MH06/26	G02-29	G01-29	MH06/26	G01-62	G01-27	G01-69	G03-27	G01-81	MH02/26	G01-86	G04-27
STRUCTURE NAME														
STRUCTURE DESCRIPTION	IPWEA GULLY PIT (SAG) LIL 2.4m 'S' Lintel	IPWEA GULLY PIT (SAG) LIL 2.4m 'S' Lintel	IPWEA MH 1050ø	IPWEA GULLY PIT LIL LIL 2.4m 'S' Lintel; REFER DETAIL	IPWEA GULLY PIT LIL LIL 2.4m 'S' Lintel; REFER DETAIL	IPWEA MH 1050ø REFER DETAIL	IPWEA GULLY PIT (SAG) LIL 2.4m 'S' Lintel	IPWEA GULLY PIT (SAG) LIL 2.4m 'S' Lintel REFER DETAIL	IPWEA GULLY PIT LIL LIL 2.4m 'S' Lintel;	IPWEA GULLY PIT LIL LIL 2.4m 'S' Lintel; REFER DETAIL	IPWEA GULLY PIT LIL LIL 2.4m 'S' Lintel;	IPWEA MH 1350ø	IPWEA GULLY PIT LIL LIL S Lintel;	IPWEA GULLY PIT LIL S Lintel 1200MH;
PIPE SIZE (mm)	375	375		375	375		375		375		375		375	
PIPE CLASS	3	3		3	3		3		3		3		3	
PIPE GRADE %	0.70%	0.40%		0.84%	1.00%		1.00%		1.00%		1.00%		1.00%	
PIPE SLOPE 1 in X	142.45	250.00		119.68	100.00		100.00		100.00		100.01		100.00	
FULL PIPE FLOW VELOCITY (m/s)	0.22	0.51		0.63	1.29		0.89		0.17		0.04		0.11	
PART FULL FLOW VELOCITY (m/s)	0.98	1.01		1.40	1.77		1.63		1.03		0.68		0.91	
DATUM RL.	11.0			11.0			10.0		11.0		10.0		12.0	
WATER LEVEL IN STRUCTURE	23.456		23.440	23.739		23.630	23.280		23.439		22.831		23.676	
HYDRAULIC GRADE LEVEL	23.436	23.435	23.400	23.618	23.603	23.439	23.009	22.982	23.428	23.427	22.830	22.798	23.670	23.460
PIPE FLOW (Cumecs)	0.024	0.056		0.070	0.142		0.098		0.019		0.005		0.012	23.385
PIPE CAPACITY AT GRADE (Cumecs)	0.147	0.111		0.160	0.175		0.175		0.175		0.175		0.175	
DEPTH TO INVERT	1.400	1.460	1.490	1.400	1.460	1.490	1.401	1.487	1.329	1.411	1.400	1.487	1.401	1.447
INVERT LEVEL OF DRAIN	22.765	22.705	22.675	22.888	22.810	22.780	22.512	22.427	22.735	22.649	22.783	22.757	23.592	23.393
DESIGN SURFACE LEVEL	24.165	24.165	24.282	24.288	24.270	24.282	23.913	23.914	24.064	24.060	24.183	24.244	24.993	24.607
SETOUT CO-ORDINATE	E8448.336 N11836.628	E8456.040 N11832.926	E8444.217 N11822.807	E8444.837 N11809.613	E8438.682 N11816.537	E8444.217 N11822.807	E8369.947 N11814.229	E8362.270 N11817.918	E8381.507 N11797.106	E8377.107 N11789.738	E8377.220 N11855.030	E8379.552 N11853.882	E8441.568 N11768.244	E8421.723 N11768.298
RUNNING CHAINAGE	0.000 8.547 8.547 15.603 24.150			0.000 9.335 9.335 8.382 17.717			0.000 8.517 8.517		0.000 8.586 8.586		0.000 2.600 2.600		0.000 19.892 19.892	
	28			29			62		69		81		86	

EXISTING SURFACE

DESIGN SURFACE

Q10 HGL

Sewer Line CLR 1.29 DN160 (IL 21.93 approx)

NOTE:

F1512 CONTRACTOR TO PROVIDE FORM 15 AND 12 FOR ALL MAINTENANCE HOLES GREATER THAN 3m DEPTH.

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

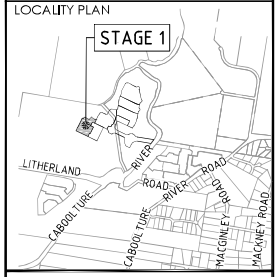
SCALE A 1:1000 (Horiz.) 10 5 0 10 20 30 40 50 60 70 80 90 100m

B 1:100 (Vert.) 1 0.5 0 1 2 3 4 5 6 7 8 9 10m

(A1 UNREDUCED)

DO NOT SCALE THIS DRAWING IF IN DOUBT - ASK!

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	FOR APPROVAL	16.03.2026	DF
C	RFI RESPONSE	11.05.2026	AL

Client: Stockland

Project: RIVERMONT PRECINCT 2 STAGE 1

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.05.12 09:28:48+10'00'

Drawing Title: STORMWATER LONG SECTIONS SHEET 2

Drawn	Designed	Checked	Date
RP	AL	MAS	MAY '26

Scale	Sheet
AS SHOWN	16 of 26

	Drawing No	Revision
A1	24-271-16	C

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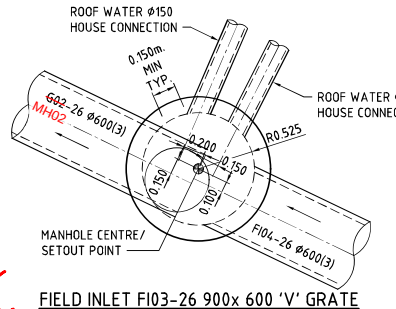
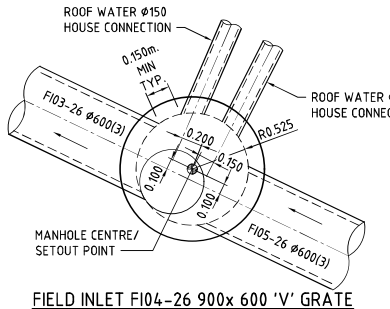
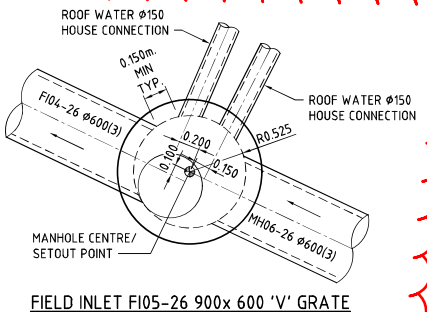


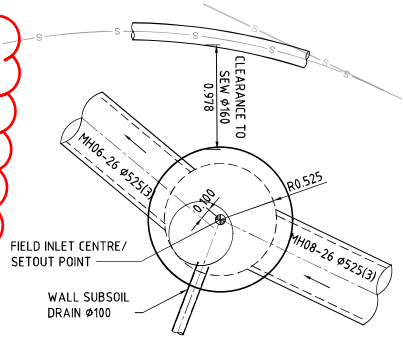
FIELD INLET FI03-26 900x 600 'V' GRATE
OVER Ø1050 MANHOLE
SCALE 1:25



FIELD INLET FI04-26 900x 600 'V' GRATE
OVER Ø1050 MANHOLE
SCALE 1:25

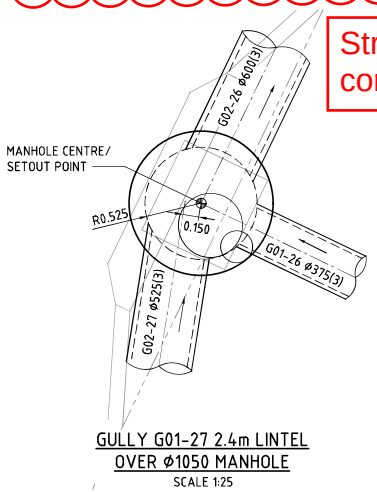


FIELD INLET FI05-26 900x 600 'V' GRATE
OVER Ø1050 MANHOLE
SCALE 1:25

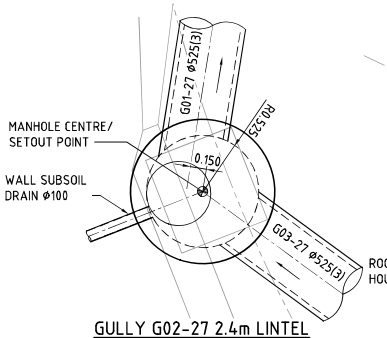


FIELD INLET FI07-26 900x 600 'V' GRATE
OVER Ø1050 MANHOLE

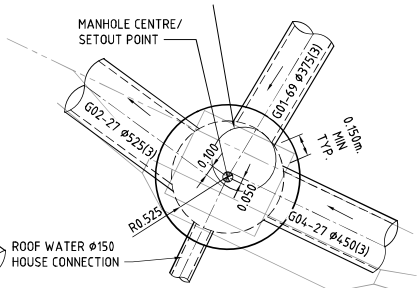
Structures FI03-26, FI04-26, FI05-26 & G04-27 to be constructed with 1200mm diameter manhole chamber.



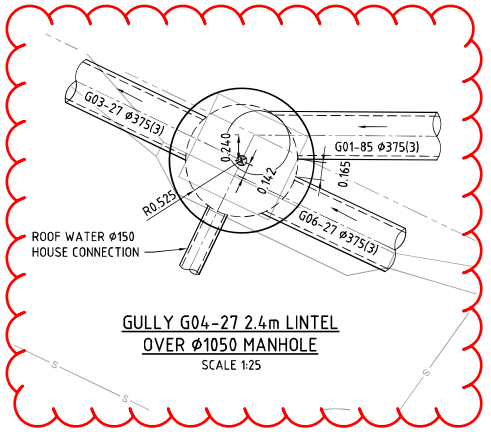
GULLY G01-27 2.4m LINTEL
OVER Ø1050 MANHOLE
SCALE 1:25



GULLY G02-27 2.4m LINTEL
OVER Ø1050 MANHOLE
SCALE 1:25



GULLY G03-27 2.4m LINTEL
OVER Ø1050 MANHOLE
SCALE 1:25



GULLY G04-27 2.4m LINTEL
OVER Ø1050 MANHOLE
SCALE 1:25

AMENDED IN RED

By: Justin Lee

Date: 29/06/2026

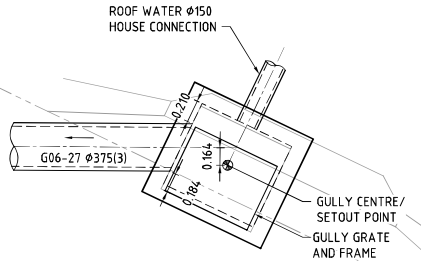
Queensland Government

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government



GULLY G01-86 2.4m LINTEL
SCALE 1:25

SCALE 0.5 0 0.5 1.0 1.5 2.0 2.5m
1 : 25 (A1 UNREDUCED)

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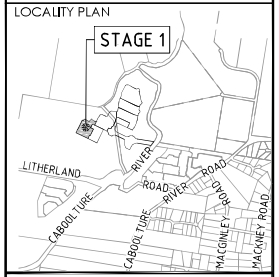
LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	11.05.2026	AL

Client: Stockland

Project:
RIVERMONT
PRECINCT 2
STAGE 1

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.05.12 09:28:48+10'00'

Drawing Title:
STORMWATER
MANHOLE DETAILS
SHEET 1

Drawn	Designed	Checked	Date
RP	AL	MAS	MAY' 26

Scale	Sheet
AS SHOWN	17 of 26

A1	Drawing No	Revision
	24-271-17	B

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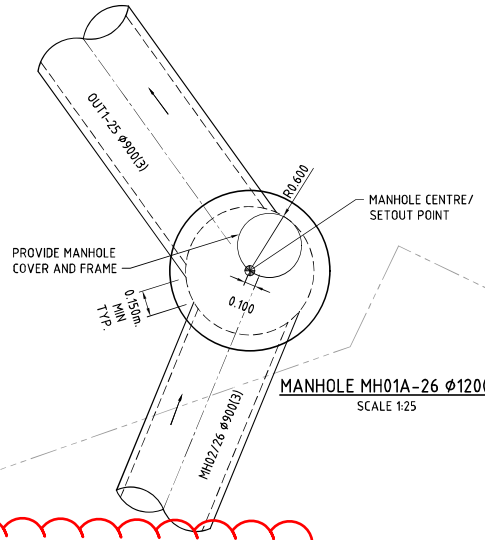
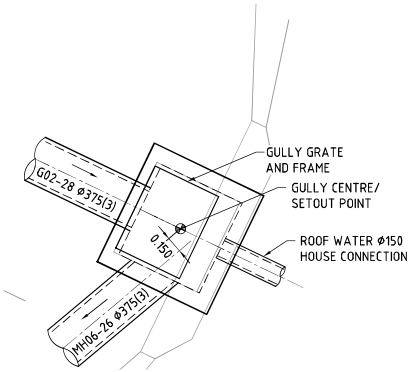
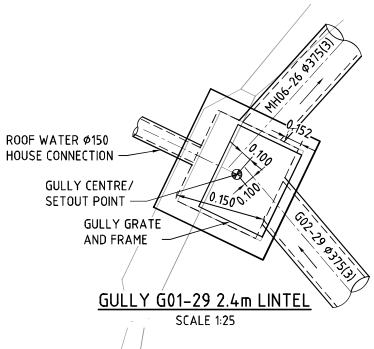


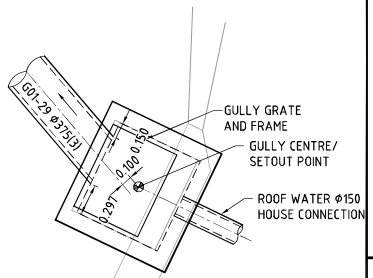
MANHOLE MH01A-26 Ø1200
SCALE 1:25



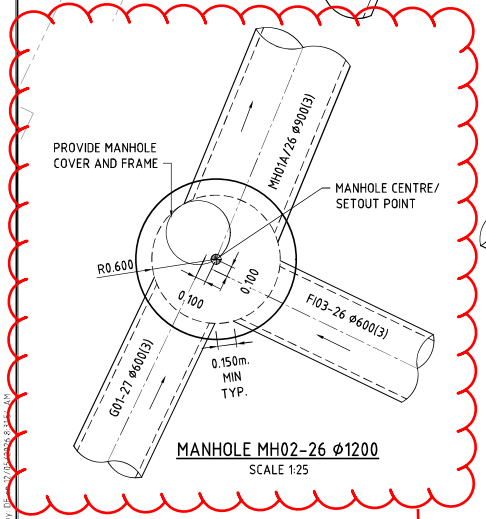
GULLY G01-28 2.4m LINTEL
SCALE 1:25



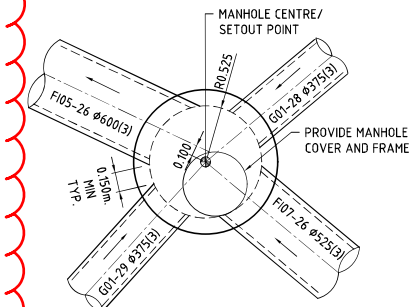
GULLY G01-29 2.4m LINTEL
SCALE 1:25



GULLY G02-29 2.4m LINTEL
SCALE 1:25



MANHOLE MH02-26 Ø1200
SCALE 1:25



MANHOLE MH06-26 Ø1050
SCALE 1:25

AMENDED IN RED

By: Justin Lee

Date: 29/06/2026

Queensland Government

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

CONSTRUCTION EQUIPMENT	PIPE CLASS	MINIMUM COMPACTION COVER TO PIPE OBVERT								
		375Ø	450Ø	525Ø	600Ø	675Ø	750Ø	825Ø	900Ø	1050Ø-1500Ø
VIBRATORY RAMMER (UP TO 75kg)	2	0.450	0.400	0.400	0.350	0.350	0.300	0.300	0.250	0.250
	3	0.300	0.300	0.3000	0.250	0.250	0.200	0.200	0.200	0.200
VIBRATORY TRENCH ROLLER (UP TO 2t)	2	0.400	0.400	0.350	0.250	0.250	0.200	0.200	0.200	0.200
	3	0.250	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
VIBRATORY SMOOTH DRUM (UP TO 7t)	2	0.700	0.700	0.650	0.650	0.650	0.600	0.600	0.400	0.400
	3	0.450	0.450	0.450	0.350	0.350	0.200	0.200	0.200	0.200
VIBRATORY SMOOTH DRUM (UP TO 10t)	2	0.850	0.850	0.800	0.800	0.800	0.750	0.750	0.750	0.750
	3	0.550	0.550	0.500	0.500	0.500	0.200	0.200	0.200	0.200
EXCAVATOR & COMPACTION WHEEL (15t)	2	0.700	0.650	0.650	0.650	0.650	0.600	0.600	0.550	0.550
	3	0.450	0.450	0.450	0.450	0.450	0.350	0.350	0.250	0.250
EXCAVATOR & COMPACTION WHEEL (25t)	2	1.050	1.000	0.950	0.900	0.900	0.850	0.850	0.750	0.750
	3	0.650	0.650	0.650	0.650	0.650	0.600	0.600	0.500	0.500
GRADER (CAT120H) (14.5t)	2	0.600	0.600	0.450	0.200	0.200	0.200	0.200	0.200	0.200
	3	0.600	0.450	0.450	0.200	0.200	0.200	0.200	0.200	0.200
GRADER (CAT140H) (17.0t)	2	0.600	0.600	0.600	0.200	0.200	0.200	0.200	0.200	0.200
	3	0.600	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
SCRAPER (CAT613C11) (27.2t)	2	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.200	0.200
	3	0.600	0.600	0.600	0.600	0.600	0.200	0.200	0.200	0.200
SCRAPER (CAT621F) (53.8t)	2	0.700	0.700	0.650	0.650	0.600	0.600	0.600	0.600	0.600
	3	0.650	0.650	0.600	0.600	0.600	0.600	0.600	0.600	0.600
DOZER (CATD7 G)	2	0.600	0.600	0.600	0.200	0.200	0.200	0.200	0.200	0.200
	3	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
DOZER (CATD9 R)	2	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.200
	3	0.600	0.600	0.600	0.600	0.600	0.200	0.200	0.200	0.200
EXCAVATOR (CAT315B) (15.8t)	2	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
	3	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
EXCAVATOR (CAT317) (17.3t)	2	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
	3	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
EXCAVATOR (CAT325B) (25.9t)	2	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
	3	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200

Manhole MH02-26 Outcomes:

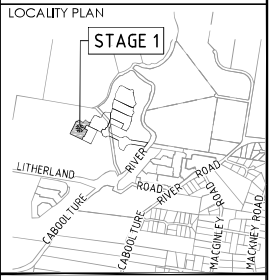
- Construct Manhole MH02-26 on a 1350mm diameter chamber.
- As constructed drawings to demonstrate the fourth connection from stormwater structure G01-81.

SCALE 0.5 0 0.5 1.0 1.5 2.0 2.5m

1 : 25 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	11.05.2026	AL

Client: Stockland

Project: RIVERMONT PRECINCT 2 STAGE 1

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.05.12 09:28:49+10'00'

Drawing Title: STORMWATER MANHOLE DETAILS SHEET 2

Drawn	Designed	Checked	Date
RP	AL	MAS	MAY' 26

Scale	Sheet
AS SHOWN	18 of 26

	Drawing No	Revision
A1	24-271-18	B

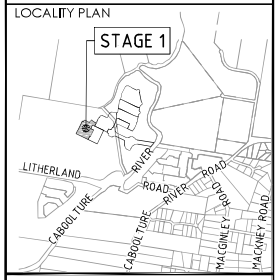
M:\2024\24271 Rivermont P2 Stage 1\Engineering\Acad\24_271_17_18_SW_MHdwg Plotted by Rebecca Pyle on May 12, 2026 - 9:28am

LOCATION			TIME		SUB-CATCHMENT RUNOFF					INLET DESIGN					DRAIN DESIGN													HEADLOSSED										PART FULL		DESIGN LEVELS						
DESIGN ARI	STRUCTURE No.	DRAIN SECTION	SUB-CATCHMENT TIME OF CONCENTRATION	RAINFALL INTENSITY	C CO-EFFICIENT OF RUNOFF	A SUB-CATCHMENT AREA	C*A EQUIVELANT AREA	ΣC*A SUM OF (C*A)	Q SUB CATCHMENT DISCHARGE	FLOW IN K&C (INC. BYPASS)	ROAD GRADE AT INLET	MINOR FLOW ROAD CAPACITY	INLET TYPE	FLOW INTO INLET	BYPASS FLOW	BYPASS STRUCTURE No.	tc INITIAL TIME OF CONCENTRATION	I RAINFALL INTENSITY	ΣC*A TOTAL (C*A)	Qf MAJOR TOTAL FLOW	Qm MAJOR SURFACE FLOW CAPACITY	Qs MAJOR SURFACE FLOW	Qp PIPE FLOW	L REACH LENGTH	S PIPE GRADE	PIPE/BOX DIMENSIONS (CLASS)	V FLOW VELOCITY FULL (PIPE GRAVITY VELOCITY)	T TIME OF FLOW IN REACH	STRUCTURE CHART No.	STRUCTURE RATIOS FOR 'K' VALUE CALCULATIONS	V2/2g VELOCITY HEAD	Ku U/S HEADLOSS COEFFICIENT	hu U/S PIPE STRUCTURE HEADLOSS	Kl LAT. HEADLOSS CO-EFFICIENT	hl LAT. PIPE STRUCTURE HEADLOSS	Kw W.S.E CO-EFFICIENT	hw CHANGE IN W.S.E	sF PIPE FRICTION SLOPE	hF PIPE FRICTION HEADLOSS (L*SF)	DEPTH	VELOCITY	PIPE U/S I.L	PIPE D/S I.L	PIPE U/S H.G.L	PIPE D/S H.G.L	W.S.E	SURFACE OF K&C INVERT LEVEL	STRUCTURE No.
yrs			min	mm/h		ha	ha	ha	l/s	l/s	%	l/s		l/s	l/s		min.	mm/h	ha	l/s	l/s	l/s	l/s	m	%	mm	n/s	min.			m							m		m	m	m	m	m	m	
10	FI14-26	FI14-26 to FI13-26	15	140	0.85	0.07	0.059	0.059	23	23	3	9762	WEAQ FI900x600 ONGRAD	18	5	FI13-26	15	140	0.059				18	10.31	3.59	375	0.2	0.029	FI14-26	G1	0.001	?	0.01					0.01	3.4	0.364	0.06	1.6	25.09	24.72	25.18	24.83	25.19	26.49	FI14-26
100			15	204	1	0.07	0.07	0.07	40	40							15	204	0.07	40	9762	40				3																25.11	24.93			
										FLOW WIDTH =	2.071	0.031																																			
10	FI13-26	FI13-26 to G12-26	15	140	0.85	0.052	0.044	0.044	17	22	3	2747	WEAQ FI900x600 ONGRAD	17	4	G05-27	15.11	140	0.103				36	47.31	1.45	375	0.3	0.252	FI13-26	T1/T3	0.005	.97	0.011			2.05	0.011	1.42	0.684	0.104	1.4	24.69	24	24.12	24.15	24.83	26.18	FI13-26
100			15	204	1	0.052	0.052	0.052	29	37							15.09	203	0.122	69	2747	37				3																24.18	24.79			
										FLOW WIDTH =	2.65	0.03																																			
10	G12-26	G12-26 to MH11/26	15	140	0.85	0.156	0.132	0.132	51	51	1.91	358	IPWEA-LIL-S	51	0	G01-30	15.66	137	0.236				86	11.77	1	375	0.8	0.153	G12-26	G2/T3/T6	0.031	.24	0.099			3.76	0.115	1.25	0.108	0.185	1.6	23.84	23.72	24.45	23.9	24.16	25.35	G12-26
100			15	204	1	0.156	0.156	0.156	88	88							15.55	201	0.277	155	358	88				3																24.42	24.54			
										FLOW WIDTH =	2.038	0.067																																			
10	MH11/26	MH11/26 to FI10-26											IPWEA-MH1200				15.78	137	0.504				87	17.5	0.6	525	0.9	0.251	MH11/26	T9/T10	0.038	.47	0.094			2.77	0.106	0.65	0.104	0.282	1.6	23.29	23.18	23.18	23.46	23.68	25.21	MH11/26
100																	15.66	200	0.593	329						3																24.18	24.31			
										FLOW WIDTH =	0	0																																			
10	FI10-26	FI10-26 to FI09-26	5	205	0.9	0.051	0.046	0.046	26	26	2	418	AQ FI900x600 1200 MH ONG	0	26	FI09-26	15.97	136	0.55				77	15	0.6	525	0.8	0.205	FI10-26	T1	0.034	.2	0.007			1.007	0.67	0.089	0.272	1.6	23.15	23.06	23.44	23.33	23.44	25.27	FI10-26
100			5	304	1	0.051	0.051	0.051	43	43							15.83	199	0.644	356	418	43				3																24.3	24.24			
										FLOW WIDTH =	2.348	0.035																																			
10	FI09-26	FI09-26 to FI08-26	5	205	0.9	0.048	0.043	0.043	25	51	2	421	AQ FI900x600 1200 MH ONG	0	51	FI08-26	16.13	135	0.594				68	15	0.6	525	0.8	0.195	FI09-26	T1	0.031	.2	0.006			1.006	0.25	0.035	0.264	1.5	23.03	22.94	23.11	23.23	23.31	24.97	FI09-26
100			5	304	1	0.048	0.048	0.048	41	84							15.98	198	0.693	381	421	84				3																24.13	24.19			
										FLOW WIDTH =	3.009	0.045																																			
10	FI08-26	FI08-26 to FI07-26	5	205	0.9	0.056	0.051	0.051	29	80	2	502	AQ FI900x600 1200 MH ONG	0	80	FI07-26	16.29	135	0.644				57	8.5	0.5	525	0.7	0.103	FI08-26	T1	0.023	.2	0.005			1.005	0.07	0.016	0.268	1.4	22.91	22.87	23.16	23.26	23.27	24.67	FI08-26
100			5	304	1	0.056	0.056	0.056	47	132							16.13	197	0.749	410	502	132				3																24.18	24.15			
										FLOW WIDTH =	3.557	0.053																																			
10	FI07-26	FI07-26 to MH06/26	5	205	0.9	0.006	0.005	0.005	3	83	2	1126	WEAQ FI900x600 ONGRAD	56	26	G01-28	16.39	134	0.649				12	13.91	0.5	525	1.0	0.227	FI07-26	T1/T3	0.049	.61	0.079			1.92	0.094	0.24	0.056	0.322	1.5	22.85	22.78	23.18	23.15	23.27	24.5	FI07-26
100			5	304	1	0.006	0.006	0.006	5	136							16.22	197	0.754	413	1126	136				3																24.13	23.97			
										FLOW WIDTH =	3.606	0.054																																			
10	MH06/26	MH06/26 to FI05-26											IPWEA-MH1050				16.54	134	0.967				61	18.44	0.5	600	1.3	0.393	MH06/26	T3/T6	0.083	.04	0.169			2.37	0.197	0.24	0.05	0.418	1.7	22.49	22.4	22.18	22.93	23.17	24.28	MH06/26
100																	16.37	196	1.128	614						3																23.71	23.58			
										FLOW WIDTH =	0	0																																			
10	FI05-26	FI05-26 to FI04-26	5	205	0.9	0.056	0.05	0.05	29	29	1.3	367	AQ FI900x600 1200 MH ONG	23	6	G02-28	16.72	133	1.017				72	15	0.5	600	1.3	0.328	FI05-26	T1	0.088	.49	0.043			1.043	0.26	0.048	0.427	1.7	22.37	22.29	22.19	22.85	22.93	24.66	FI05-26
100			5	304	1	0.056	0.056	0.056	47	47							16.54	195	1.184	641	367	47				3																23.5	23.39			
										FLOW WIDTH =	2.553	0.038																																			
10	FI04-26	FI04-26 to FI03-26	5	205	0.9	0.038	0.034	0.034	19	19	0.5	248	AQ FI900x600 1200 MH ONG	16	4	FI03-26	16.87	133	1.051				79	15	0.5	600	1.3	0.335	FI04-26	T1	0.092	.39	0.036			1.036	0.29	0.05	0.434	1.7	22.26	22.19	22.12	22.77	22.85	24.68	FI04-26
100			5	304	1	0.038	0.038	0.038	32	32							16.67	195	1.222	662	248	32				3																23.12	23.21			
										FLOW WIDTH =	2.555	0.038																																			
10	FI03-26	FI03-26 to MH02/26	5	205	0.9	0.054	0.049	0.049	28	32	0.91	285	AQ FI900x600 1200 MH ONG	25	6	G01-62	17.01	132	1.1				93	23.3	0.36	600	1.4	0.54	FI03-26	T1	0.098	0.5	0.049			1.049	0.35	0.082	0.542	1.5	22.16	22.07	22.72	22.64	22.77	24.55	FI03-26
100			5	304	1	0.054	0.054	0.054	46	52							16.81	194	1.276	688	285	52				3																23.1	22.92			
										FLOW WIDTH =	2.916	0.044																																			
10	MH02/26	MH02/26 to MH01A/26											IPWEA-MH1200				17.28	131	1.807				59	15.11	1.34	900	1.0	0.262	MH02/26	T6/T9	0.055	.21	0.121			2.51	0.137	2.2	0.088	0.346	2.9	22.04	21.84	22.12	22.19	22.66	24.24	MH02/26
100																	17	193	2.108	1130						3																22.44	22.38			
										FLOW WIDTH =	0	0																																			
10	MH01A/26	MH01A/26 to OUT1-26											IPWEA-MH1200				17.36	131	1.807				57	12.49	2.4	900	1.0	0.214	MH01A/26	T6/T9	0.054	2.2	0.12			2.57	0.137	3.83	0.007	0.296	3.6	21.5	21.2	21.98	21.5	22.11	24.41	MH01A/26
100																	17.08	193	2.108	1130						3																22.09	21.57			
										FLOW WIDTH =	(	D																																			
10	OUT1-26												HW outlet																	OUT1-26															21.5	22.1	OUT1-26	
100																																														
										FLOW WIDTH =	(	D																																			
10	G06-27	G05-27 to G14-27	15	140	1.85	0.104	0.089	0.089	35	39	2.15	380	IPWEA-LIL-S	39	0	G04-27	15	140	0.089				39	37.01	0.81	375	0.4	0.213	G06-27	G1	0.006	?	0.044			0.044	0.48	0.219	0.127	1.2	23.49	23.19	23.63	23.46	23.68	25.4	G06-27
100			15	204	1	0.104	0.104	0.104	59	59							15	204	0.104	59	383	59				3																24.44	24.4			
										FLOW WIDTH =	1.783	0.06																																			
10	G04-27	G04-27 to G13-27	15	140	1.85	0.134	0.114	0.114	44	44	2.15	380	IPWEA-LIL-S-1200MH	44	0	G03-27	15.52	138	0.234				94	49.5	0.97	375	0.9	0.701	G04-27	T1/T3	0.037	1.9	0.07			2.01	0.076	0.81	0.447	0.197	1.6	23.16	22.18	23.39	22.98	23.44	24.61	G04-27
100			15	204	1	0.134	0.134	0.134	76	76							15.46	201	0.274	154	383	76				3																24.27	23.9			
										FLOW WIDTH =	1.877	0.163																																			
10	G03-27	G03-27 to G12-27	15	140	1.85	0.181	0.154	0.154	60	60	0.55	192	IPWEA-LIL-S	60	0	G02-27	16.04	136	0.421				163	21.49	0.5	525	0.8	0.269	G03-27	T1/T3	0.029	1.76	0.051			2.22	0.065	0.88	0.043	0.274	1.4	22.5	22.5	22.93	22.92	23	24.06	G03-27
100			15	204	1	0.181	0.181	0.181	103	105							15.93	198	0.495	272	192	105				3																23.79	23.71			
										FLOW WIDTH =	2.747	0.187																																			
10	G02-27	G02-27 to G11-27	15	140	1.85	0.112	0.096	0.096	37	37	0.48	12009	IPWEA-LIL-S	37	0	G01-27	16.29	135	0.517				198	15.89	0.5	525	0.9	0.241	G02-27	T6/T9	0.043	2.48	0.106			2.74	0.117	0.14	0.047	0.309	1.5	22.47	22.39	22.81	22.79	22.93	23.96	G02-27
100			15	204	1	0.112	0.112	0.112	64	72							16.16	197	0.608	333	2039	72				3																23.48	23.38			
										FLOW WIDTH =	0.906	0.122																																			
10	G01-27	G01-27 to MH02/26	15	140	1.85	0.021	0.018	0.018	7	7	0.19	323	IPWEA-LIL-SAG-S	7	0	LOST	16.46	134	0.696				270	39.9	0.5	600	1.0	0.632	G01-27	T3/T6	0.046	1.93	0.09			2.21	0.106	0.15	0.13	0.342	1.6	22.36	22.16	22.7	22.64	22.81	23.91	G01-27
100			15	204	1	0.021	0.021	0.021	12	12							16.33	196	0.818	445	323	12				3																23.14	22.92			
										FLOW WIDTH =	(	D																																			
10	MH02/26												IPWEA-MH1200																MH12/26	T6/T9		2.21	0.121			2.57	0.137									22.64	24.24	MH02/26
100																																														
										FLOW WIDTH =	(	D																																			
10	G02-28	G02-28 to G11-28	15	140	1.85	0.039	0.033	0.033	13	19	0.29	367	IPWEA-LIL-SAG-S	19	0	G01-33	15	140	0.033				19	8.547	0.7	375	0.2	0.024	G02-28	G2	0.001	9.7	0.014			0.014	0.01	0.001	0.09	0.9	22.17	22.71	23.23	23.23	23.25	24.17	G02-28
100			15	204	1	0.039	0.039	0.039	22	65							15	204	0.039	22	3	65				3																24.13	24.13			
										FLOW WIDTH =	(	D																																			
10	G01-28	G01-28 to MH06/26	15	140	1.85	0.039	0.033	0.033	13	39	0.29	367	IPWEA-LIL-SAG-S	39	0	G02-28	15.16	139	0.067				58	15.6	0.4	375	0.5	0.133	G01-28	G2/T10	0.014	4.94	0.069			5.11	0.073	0.11	0.017	0.192	1.0	22.68	22.31	23.16	23.15	23.24	24.17	G01-28
100			15	204	1	0.039	0.039	0.039	22	125							15.27	202	0.078	44	95	125				3																24.02	23.97			
										FLOW WIDTH =	(	D																																			
10	MH06/26												IPWEA-MH1050																MH16/26	T3/T6		2.04	0.169			2.37	0.197									23.17	24.28	MH06/26
100																																														
										FLOW WIDTH =	(	D																																			
10	G02-29	G02-29 to G11-29	15	140	1.85	0.145	0.123	0.123	48	48	0.5	183	IPWEA-LIL-S	48	0	G01-28	15	140	0.123				48	9.335	0.84	375	0.4	0.067	G02-29	G2	0.01	9.7	0.093			0.093	0.17	0.007	0.141	1.3	22.89	22.31	23.28	23.27	23.37	24.29	G02-29
100			15	204	1	0.145	0.145	0.145	82	82							15	204	0.145	82	183	82				3																24.14	24.13			
										FLOW WIDTH =	2.568	0.182																																			
10	G01-29	G01-29 to MH06/26	15	140	1.85	0.15	0.127	0.127	50	50	0.5	183	IPWEA-LIL-S	50	0	G02-28	15.12	140	0.251				97	8.382	1	375	0.9	0.123	G01-29	G2/T9/T10	0.039	2.55	0.1			2.84	0.112	0.31	0.026	0.195	1.6	22.18	22.7	23.17	23.15	23.28	24.27	G01-29
100			15	204	1	0.15	0.15	0.15	85	85							15.13	203	0.295	164	183	85				3																24.01	23.97			
										FLOW WIDTH =	2.602	0.183																																			
10	MH06/26												IPWEA-MH1050																MH16/26	T3/T6		2.04	0.169			2.37	0.197									23.17	24.28	MH06/26
100																																														
										FLOW WIDTH =	(	D																																			
10	G02-30	G02-30 to G11-30	15	140	1.85	0.147	0.125	0.125	48	48	1.2	184	IPWEA-LIL-SAG-S	48	0	G01-41	15	140	0.125				48	8.547	0.5	375	0.4	0.063	G02-30	G2	0.01	9.7	0.095			0.095	0.15	0.014	0.163	1.1	23.54	23.5	23.75	23.75	23.85	24.84	G02-30
100			15	204	1	0.147	0.147	0.147	83	83							15	204	0.147	83	25	83				3																24.62	24.62			
										FLOW WIDTH =	(	0.101																																			
10	G01-30	G01-31 to MH11/26	15	140	1.85	0.07	0.059	0.059	23	23	1.2	184	IPWEA-LIL-SAG-S	23	0	G02-30	15.14	139	0.184				71	24.05	0.48	375	0.7	0.261	G01-30	T10	0.021	2.23	0.047			2.61	0.057	0.11	0.041	0.206	1.2	23.43	23.32	23.7	23.67	23.75	24.84	G01-30
100			15	204	1	0.07	0.07	0.07	40	47							15.16	203	0.217	122	184	47				3																24.58	24.54			
										FLOW WIDTH =	(	D																																			
10	MH11/26												IPWEA-MH1200																MH11/26	T9/T10		2.47	0.094			2.71	0.106									23.61	25.21	MH11/26
100																																														
										FLOW WIDTH =	(	D																																			

CALCULATIONS TABLE

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	11.05.2026	AL

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV-2026-WAR-4894
Date: 03/07/2026
Queensland Government

Client: Stockland

Project:
RIVERMONT
PRECINCT 2
STAGE 1

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.05.12 09:28:49+10'00'

Drawing Title:
STORMWATER
CALCULATION TABLE
SHEET 1

Drawn	Designed	Checked	Date
RP	AL	MAS	MAY 26

Scale	Sheet
AS SHOWN	19 of 26

A1	Drawing No	Revision
	24-271-19	B

M:\2024\24271 Rivermont P2 Stage 1\Engineering\Acad\24-271-19-P2-SW CALCS.dwg Plotted by DF on 12/05/2026 8:32:03 AM

LOCATION			TIME		SUB-CATCHMENT RUNOFF					INLET DESIGN				DRAIN DESIGN											HEADLOSSED												PART FULL			DESIGN LEVELS						
DESIGN ARI	STRUCTURE No.	DRAIN SECTION	SUB-CATCHMENT TIME OF CONCENTRATION	RAINFALL INTENSITY	C CO-EFFICIENT OF RUNOFF	A SUB-CATCHMENT AREA	C•A EQUIVELANT AREA	ΣCA SUM OF (C•A)	Q SUB CATCHMENT DISCHARGE	FLOW IN K&C (INC. BYPASS)	ROAD GRADE AT INLET	MINOR FLOW ROAD CAPACITY	INLET TYPE	FLOW INTO INLET	BYPASS FLOW	BYPASS STRUCTURE No.	tc INITIAL TIME OF CONCENTRATION	I RAINFALL INTENSITY	ΣCA TOTAL (C•A)	Qt MAJOR TOTAL FLOW	Qm MAJOR SURFACE FLOW CAPACITY	Qs MAJOR SURFACE FLOW	Qp PIPE FLOW	L REACH LENGTH	S PIPE GRADE	PIPE/BOX DIMENSIONS (CLASS)	V FLOW VELOCITY FULL (PIPE GRADE VELOCITY)	T TIME OF FLOW IN REACH	STRUCTURE CHART No.	STRUCTURE RATIOS FOR 'K' VALUE CALCULATIONS	V2/2g VELOCITY HEAD	Ku U/S HEADLOSS COEFFICIENT	hu U/S PIPE STRUCTURE HEADLOSS	Kl LAT. HEADLOSS CO-EFFICIENT	hl LAT. PIPE STRUCTURE HEADLOSS	Kw W.S.E CO-EFFICIENT	hw CHANGE IN W.S.E	sF PIPE FRICTION SLOPE	hF PIPE FRICTION HEADLOSS (L*SF)	DEPTH	VELOCITY	PIPE U/S I.L	PIPE D/S I.L	PIPE U/S H.G.L	PIPE D/S H.G.L	W.S.E	SURFACE OF K&C INVERT LEVEL	STRUCTURE No.
yrs			min	mm/h		ha	ha	ha	l/s	l/s	%	l/s		l/s	l/s		min.	mm/h	ha	l/s	l/s	l/s	l/s	m	%	mm	m/s	min.			m			m		m			m	m	m	m	m	m	m	m	
10	S01-62	G01-62 to G01-27	15	140	0.85	0.15	0.161	0.161	63	69	0.19	323	IPWEA-LIL-SAG-S	69	0	G01-27	15	140	0.161				69	8.517	1	375	0.6	0.088	G01-62	G2	0.02	9.64	0.192				0.192	0.02	0.013	0.163	1.5	22.51	22.43	22.79	22.79	22.98	23.91	G01-62
100			15	204	1	0.15	0.19	0.19	107	119							15	204	0.19	108	323	119				3																23.42	23.38				
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10	S01-69	G01-69 to G03-27	15	140	0.85	0.031	0.033	0.033	13	13	0.55	192	IPWEA-LIL-S	13	0	G01-62	15	140	0.033				13	8.586	1	375	0.1	0.017	G01-69	G2	0.001	9.7	0.007				0.007	0	0.001	0.069	0.9	22.74	22.65	22.98	22.98	22.99	24.06	G01-69
100			15	204	1	0.031	0.039	0.039	22	22							15	204	0.039	22	192	22				3																23.9	23.9				
								FLOW WIDTH =		1.503	0.053																																				
10	S01-81	G01-81 to MH02/26	15	140	0.85	0.014	0.012	0.012	5	5	1		IPWEA-LIL-S	5	0		15	140	0.012				5	2.6	1	375	0.0	0.002	G01-81	G2	0	9.7	0.001				0.001	1.22	0.024	0.042	0.7	22.78	22.76	22.83	22.8	22.83	24.18	G01-81
100			15	204	1	0.014	0.014	0.014	8	8							15	204	0.014	8		8				3																22.92	22.92				
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10	S01-86	G01-86 to G05-27	15	140	0.85	0.037	0.031	0.031	12	12	2.15	380	IPWEA-LIL-S	12	0	G02-29	15	140	0.031				12	19.96	1	375	0.1	0.037	G01-86	G2	0.001	9.7	0.006				0.006	1.05	0.195	0.067	0.9	23.59	23.39	23.67	23.46	23.68	24.99	G01-86
100			15	204	1	0.037	0.037	0.037	21	21							15	204	0.037	21	380	21				3																24.4	24.4				
								FLOW WIDTH =		1.114	0.042																																				
10	G02-30	G02-30 to G01-30	15	140	0.85	0.147	0.125	0.125	48	48	1.2	184	IPWEA-LIL-SAG-S	48	0	G01-41	15	140	0.125				48	8.547	0.5	375	0.4	0.063	G02-30	G1	0.01	9.7	0.095				0.095	0.05	0.014	0.163	1.1	23.54	23.5	23.71	23.75	23.85	24.84	G02-30
100			15	204	1	0.147	0.147	0.147	83	83							15	204	0.147	83	25	83				3																24.61	24.62				
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10	G01-30	G01-30 to MH11/26	15	140	0.85	0.07	0.059	0.059	23	23	1.2	184	IPWEA-LIL-SAG-S	23	0	G02-30	15.14	139	0.184				71	24.05	0.48	375	0.7	0.261	G01-30	T10	0.021	2.23	0.047			2.66	0.057	0.11	0.041	0.206	1.2	23.43	23.32	23.7	23.67	23.75	24.84	G01-30
100			15	204	1	0.07	0.07	0.07	40	47							15.16	203	0.217	122	184	47				3																24.51	24.54				
								FLOW WIDTH =		0	0																																				
10	MH11/26												IPWEA-MH1210																MH11/26	T9/110		2.47	0.094		2.77	0.106						21.68	25.21	MH11/26
100																																													
								FLOW WIDTH =		0	0																																				
10	G01-31	G01-31 to MH11/26	15	140	0.85	0.099	0.084	0.084	33	33	1.91	353	IPWEA-LIL-S	33	0	G02-30	15	140	0.084				33	8.382	1	375	0.3	0.042	G01-31	G1	0.004	9.7	0.043				0.043	1.24	0.076	0.11	1.2	23.91	23.83	24.04	23.94	24.08	25.31	G01-31
100			15	204	1	0.099	0.099	0.099	56	56							15	204	0.099	56	358	56				3																24.51	24.54				
								FLOW WIDTH =		1.705	0.058																																				
10	MH11/26												IPWEA-MH1210																MH11/26	T9/110		2.47	0.094		2.77	0.106						21.68	25.21	MH11/26
100																																													
								FLOW WIDTH =		0	0																																				

CALCULATIONS TABLE

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

DO NOT SCALE THIS DRAWING
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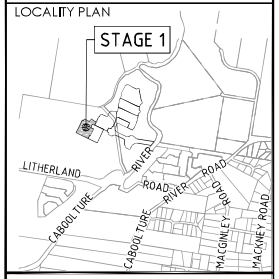
LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	11.05.2026	AL

Client: Stockland

Project:
RIVERMONT
PRECINCT 2
STAGE 1

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
M. Shaw
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.05.12 09:28:50+10'00'

Drawing Title:
STORMWATER
CALCULATION TABLE
SHEET 2

Drawn	Designed	Checked	Date
RP	AL	MAS	MAY 26

Scale	Sheet
AS SHOWN	20 of 26

A1	Drawing No	Revision
	24-271-20	B

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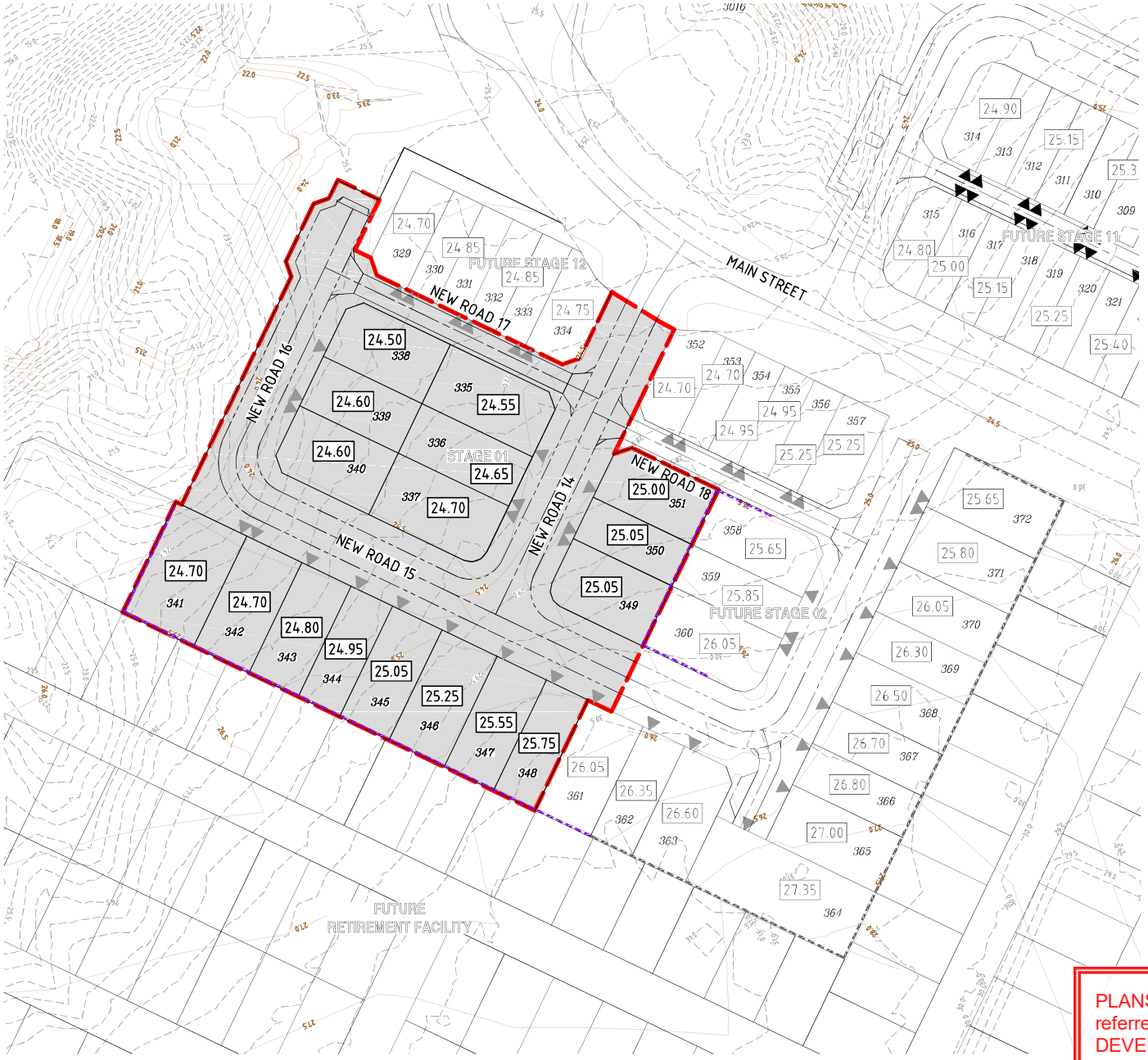

BENCHING PLAN
SCALE 1:500

LEGEND

- STAGE BOUNDARY
- PROPOSED ROAD CENTRELINE
- BARRIER KERB AND CHANNEL (TYPE B1)
- MOUNTABLE KERB AND CHANNEL (TYPE M1)
- FINISHED SURFACE CONTOURS
- NATURAL SURFACE CONTOURS
- EXISTING CONCRETE RETAINING WALL
- CONCRETE RETAINING WALL
- FUTURE RETAINING WALL
- 22.45 PREFERRED BENCH LEVEL
- NOMINATED DRIVEWAY LOCATION

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

SCALE
10 5 0 10 20 30 40 50m
1 : 500 (A1 UNREDUCED)

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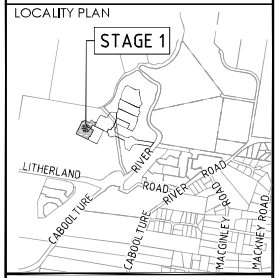
NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	FOR APPROVAL	16.03.2026	DF
C	RFI RESPONSE	11.05.2026	AL

Client: Stockland

Project:
RIVERMONT
PRECINCT 2
STAGE 1

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.05.12 09:28:52+10'00'

Drawing Title:
PREFERRED BENCHING PLAN

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	25 of 26

A1	Drawing No	Revision
	24-271-25	C

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Stockland

RIVERMONT
PRECINCT 2
MAIN STREET & RIVERMONT BOULEVARD - EMW ROAD

DRAWING INDEX

DRAWING NO.	DRAWING TITLE
24-283-01	GENERAL - LOCALITY PLAN, DRAWING INDEX AND NOTES
24-283-02	GENERAL - SETOUT PLAN
24-283-03	GENERAL - SETOUT PLAN
24-283-04	GENERAL - LAYOUT PLAN SHEET 1
24-283-05	GENERAL - LAYOUT PLAN SHEET 2
24-283-05A	GENERAL - STORMWATER PLAN SHEET 1
24-283-05B	GENERAL - STORMWATER PLAN SHEET 2
24-283-06	GENERAL - PAVEMENT PLAN
24-283-07	GENERAL - PAVEMENT PLAN
24-283-08	EARTHWORKS - CONTOUR PLAN
24-283-09	EARTHWORKS - CONTOUR PLAN
24-283-10	ROADWORKS - LONGITUDINAL SECTION RIVERMONT BOULEVARD P1
24-283-11	ROADWORKS - CROSS SECTIONS RIVERMONT BOULEVARD P1
24-283-12	ROADWORKS - LONGITUDINAL SECTION MAIN STREET
24-283-13	ROADWORKS - CROSS SECTIONS MAIN STREET SHEET 1
24-283-14	ROADWORKS - CROSS SECTIONS MAIN STREET SHEET 2
24-283-15	ROADWORKS - CROSS SECTIONS MAIN STREET SHEET 3
24-283-16	ROADWORKS - CROSS SECTIONS MAIN STREET SHEET 4
24-283-17	ROADWORKS - LONG AND CROSS SECTIONS ROAD 17
24-283-18	ROADWORKS - LONGITUDINAL SECTION RIVERMONT BOULEVARD P2
24-283-19	ROADWORKS - CROSS SECTIONS RIVERMONT BOULEVARD P2
24-283-20	ROADWORKS - LONGITUDINAL SECTION ROAD 20
24-283-21	ROADWORKS - CROSS SECTIONS ROAD 20
24-283-22	ROADWORKS - LONG AND CROSS SECTIONS ROAD 29
24-283-23	ROADWORKS - LONG AND CROSS SECTIONS ROAD 30
24-283-24	ROADWORKS - INTERSECTION DETAILS SHEET 1
24-283-25	ROADWORKS - INTERSECTION DETAILS SHEET 2
24-283-26	ROADWORKS - INTERSECTION DETAILS SHEET 3
24-283-27	ROADWORKS - INTERSECTION DETAILS SHEET 4
24-283-28	ROADWORKS - INTERSECTION DETAILS SHEET 5
24-283-29	ROADWORKS - INTERSECTION DETAILS SHEET 6
24-283-29A	ROADWORKS - INTERSECTION DETAILS SHEET 6
24-283-30	ROADWORKS - SIGNS AND LINEMARKING PLAN SHEET 1
24-283-31	ROADWORKS - SIGNS AND LINEMARKING PLAN SHEET 2
24-283-32	ROADWORKS - SIGNS AND LINEMARKING PLAN SHEET 3
24-283-33	ROADWORKS - SIGNS AND LINEMARKING PLAN SHEET 4
24-283-34	ROADWORKS - SIGNS AND LINEMARKING PLAN SHEET 5
24-283-35	STORMWATER - CATCHMENT PLAN SHEET 1
24-283-36	STORMWATER - CATCHMENT PLAN SHEET 2
24-283-37	STORMWATER - CATCHMENT TABLES
24-283-38	STORMWATER - LONGITUDINAL SECTION SHEET 1
24-283-39	STORMWATER - LONGITUDINAL SECTION SHEET 2
24-283-40	STORMWATER - LONGITUDINAL SECTION SHEET 3
24-283-41	STORMWATER - LONGITUDINAL SECTION SHEET 4
24-283-41A	STORMWATER - LONGITUDINAL SECTION SHEET 4
24-283-41B	STORMWATER - LONGITUDINAL SECTION SHEET 4
24-283-42	STORMWATER - MANHOLE DETAILS SHEET 1
24-283-43	STORMWATER - MANHOLE DETAILS SHEET 2
24-283-43A	STORMWATER - MANHOLE DETAILS SHEET 3
24-283-44	STORMWATER - CALCULATION TABLE SHEET 1
24-283-45	STORMWATER - CALCULATION TABLE SHEET 2
24-283-46	STORMWATER - CALCULATION TABLE SHEET 3
24-283-47	STORMWATER - CALCULATION TABLE SHEET 4
24-283-48	STORMWATER - CALCULATION TABLE SHEET 5
24-283-49	STORMWATER - CALCULATION TABLE SHEET 6
24-283-50	STORMWATER - CALCULATION TABLE SHEET 7
24-283-51	STORMWATER - CALCULATION TABLE SHEET 8
24-283-52	STORMWATER - CALCULATION TABLE SHEET 9
24-283-53	SEDIMENT AND EROSION - CONTOUR PLAN POST CONSTRUCTION
24-283-54	SEDIMENT AND EROSION - CONTOUR PLAN POST CONSTRUCTION
24-283-55	SEDIMENT AND EROSION - CONTOUR PLAN POST CONSTRUCTION
24-283-56	SAFETY IN DESIGN
24-283-60	INTERSECTION DETAIL - SWEPT PATH SHEET 1
24-283-61	INTERSECTION DETAIL - SWEPT PATH SHEET 2
24-283-62	INTERSECTION DETAIL - SWEPT PATH SHEET 3
24-283-63	INTERSECTION DETAIL - SWEPT PATH SHEET 4
24-283-64	INTERSECTION DETAIL - SWEPT PATH SHEET 5
24-283-65	INTERSECTION DETAIL - SWEPT PATH SHEET 6

GENERAL NOTES

1. ALL WORK SHALL BE JOINED NEATLY TO EXISTING CONSTRUCTION.
2. WHERE REFERENCE IS MADE ON THESE DRAWINGS TO A KERB LINE, IT SHALL BE TAKEN TO MEAN THE KERB INVERT LINE.
3. LEVELS FOR KERB AND CHANNEL CONSTRUCTION ARE SHOWN AT LIP OF CHANNEL UNLESS SHOWN OTHERWISE.
4. KERB AND CHANNEL AND SPOON DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH INSTITUTE OF PUBLIC WORKS ENGINEERING AUSTRALIA STANDARD DWG NO SEQ R-080. SPOON DRAINS ACROSS ROAD INTERSECTIONS SHALL BE IN ACCORDANCE WITH INSTITUTE OF PUBLIC WORKS ENGINEERING AUSTRALIA STD DWG NO SEQ R-080. THE CONCRETE SHALL BE CLASS N32 AND THE DEPTH INCREASED BY 50mm TO 175mm AT INVERT. FLUSH KERB TO BE INCREASED IN DEPTH BY 50mm TO 280mm.
5. IF MACHINE MADE KERB AND CHANNEL IS USED, EXTRA FINES AND 20mm SLUMP IS REQUIRED.
6. ALL DRAINAGE CENTRE LINES ARE TO BE 1.5m FROM INVERT OF KERB FOR 6.0m WIDE ROADS AND 2.0m OFF THE INVERT OF THE KERB FOR ALL OTHERS, UNLESS OTHERWISE SHOWN.
7. GULLY CONNECTIONS AND STORM WATER PIPES SHALL BE 375mm DIAMETER CLASS '3' R.C. PIPES UNLESS SHOWN OTHERWISE.
8. THE CONTRACTOR SHALL INITIALLY EXCAVATE THE PAVEMENT BOX TO 225mm BELOW THE FINISHED PAVEMENT LEVEL SHOWN ON THE DRAWINGS. HE SHALL THEN NOTIFY THE ENGINEER WHO WILL FIX THE PAVEMENT THICKNESS TO BE CONSTRUCTED FOLLOWING THE RESULTS OF SUB-GRADE TESTING.
9. NOTWITHSTANDING THE LIMITS OF CUTTING AND FILLING SHOWN ON THE DRAWINGS, THE ACTUAL LIMITS SHALL BE DETERMINED ON SITE BY THE ENGINEER AND SIMILARLY THE FINISHED SURFACE CONTOURS MAY BE ADJUSTED BY WRITTEN DIRECTION OF THE ENGINEER DURING CONSTRUCTION.
10. THE MINIMUM CLEARANCE BETWEEN OUTER WALLS OF PIPES IN MANHOLES SHALL BE 150mm.
11. SUBSURFACE DRAIN CLEANING POINTS SHALL BE INSTALLED IN ACCORDANCE WITH IPWEAQ STD DWG NO SEQ R-140.
12. CONSTRUCTION LOAD CONTROL ON THE INSTALLATION OF REINFORCED CONCRETE STORMWATER PIPE WORK SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE RECOMMENDATIONS DEFINED IN THE CONCRETE PIPE ASSOCIATIONS OF AUSTRALASIA'S "THE INSTALLATIONS OF STEEL REINFORCED CONCRETE PIPES - MINIMUM PIPE COVER REQUIRED FOR VARIOUS COMPACTORS".
13. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL ERECT A STARPICKET AND 2 STRAND WIRE FENCE TO THE PERIMETER OF VEGETATION TO BE RETAINED.

ROOFWATER

1. uP.V.C. SEWER PIPES TO BE USED SHALL BE :-
   (a) PIPES - CLASS SH (TO AS 1260)
   (b) FITTINGS - CLASS M (TO AS 1260)
2. THE MINIMUM COVER TO ALL ROOFWATER DRAINAGE LINES SHALL BE 300mm FOR FRC AND 450mm FOR uPVC. EXCEPT IN THE CASE OF 100mm DIAMETER LINES DISCHARGING THROUGH KERB INTO CHANNEL.
3. THE ENDS OF 100mm ROOFWATER CONNECTIONS FROM LOT DIRECTLY TO GULLY PIT SHALL BE CAPPED AND LOCATED WITH NOT LESS THAN 300mm AND NOT MORE THAN 450mm COVER UNLESS OTHERWISE APPROVED.
4. ALL ROOFWATER LINES TERMINATING IN THE KERB AND CHANNEL SHALL BE LAID AT A MINIMUM GRADE 1 IN 50 AND SHALL HAVE A 'KACEY' CAST ALUMINIUM KERB ADAPTOR OR EQUIVALENT.
5. THE ENDS OF ALL LINES SHALL BE PLUGGED WITH APPROVED FITTINGS.
6. PROVIDE 2 KERB ADAPTORS FOR ALL LOTS . ALL KERB ADAPTORS SHALL BE CAST INTO KERB AND CHANNEL UNLESS PIPED CONNECTION TO SW STRUCTURE PROVIDED.
7. WHERE THE COVER IS LESS THAN 400mm FOR ROOFWATER THE PIPE CLASS SHALL BE SEH uPVC.
8. THE KERB ADAPTOR SHALL BE LOCATED SO THAT ITS CENTRE LINE IS 300mm FROM THE PROJECTION OF THE SIDE BOUNDARY AT THE KERB LINE.

SCALE 10 5 0 10 20 30 40 50 60 70 80 90 100m
1 : 1000 (A1 UNREDUCED)

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

DO NOT SCALE THIS DRAWING
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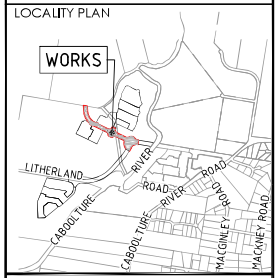
NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client: Stockland

Project: RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
M. Shaw
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:24:38 +10'00'

Drawing Title: GENERAL LOCALITY PLAN, DRAWING INDEX AND NOTES

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	01 of 65

	Drawing No	Revision
A1	24-283-01	B

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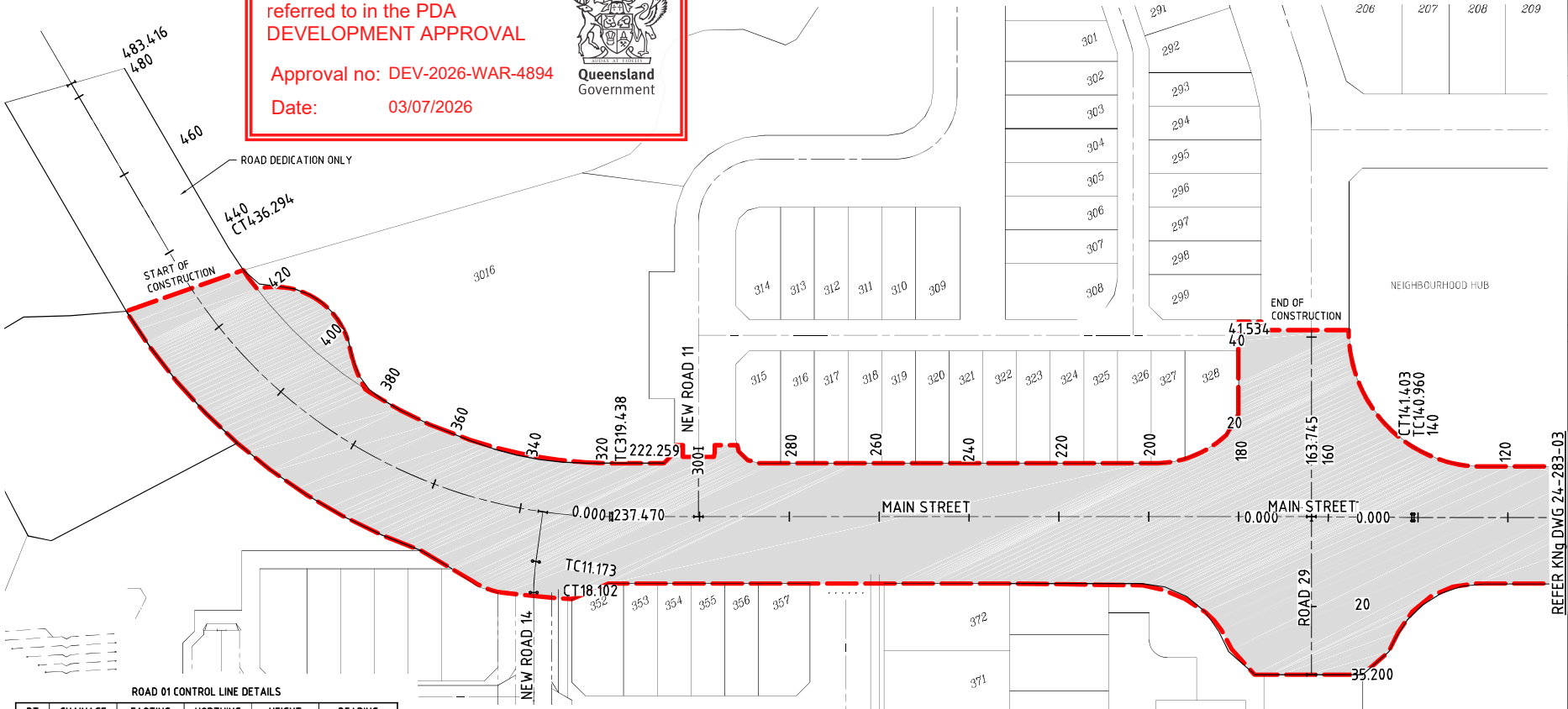
PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government



SETOUT PLAN
SCALE 1:500

ROAD 01 CONTROL LINE DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING
IP 1	0.000	9525.421	11593.995	30.000	279°12'18.34"
IP 2	766.455	8768.836	11716.604	25.872	279°12'18.34"

ROAD 13 CONTROL LINE DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	8768.836	11716.604	25.872	287°49'58.58"			
TC	33.115	8737.312	11726.745	25.575	287°49'58.58"			
IP 2	36.534	8734.053	11727.794	25.521		R = 50.000	6.836	7°50'01.42"
CT	39.952	8730.967	11729.277	25.476	295°40'00.00"			
TC	140.960	8639.925	11773.027	25.146	295°40'00.00"			
IP 3	141.182	8639.726	11773.123	25.150		R = 50.000	0.443	0°30'28.36"
CT	141.403	8639.527	11773.221	25.154	296°10'28.36"			
IP 4	163.745	8619.476	11783.076	25.360				
TC	319.438	8479.145	11850.512	24.357	295°40'00.00"			
IP 5	377.866	8421.110	11878.401	24.065		R = 111.900	116.856	59°50'00.00"
CT	436.294	8416.058	11942.591	24.261	355°30'00.00"			
IP 6	483.416	8412.361	11989.567	26.151	355°30'00.00"			

ROAD 18 CONTROL LINE DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	8768.836	11716.604	25.872	199°03'36.94"			
TC	36.231	8757.004	11682.359	26.236	199°03'36.94"			
IP 2	41.996	8755.120	11676.904	26.348		R = 100.000	11.530	6°36'23.06"
CT	47.761	8752.620	11671.702	26.443	205°40'00.00"			
TC	59.187	8747.671	11661.404	26.583	205°40'00.00"			
IP 3	101.990	8729.016	11622.585	27.011		R = 314.750	85.606	15°35'00.00"
CT	144.793	8700.619	11590.204	27.439	221°15'00.00"			
TC	260.158	8624.554	11503.468	28.593	221°15'00.00"			
IP 4	409.256	8516.921	11380.737	30.084		R = 295.000	298.197	57°55'00.00"
CT	558.355	8355.765	11406.742	31.800	279°10'00.00"			
IP 5	803.954	8113.302	11445.868	31.788	279°10'00.00"			

ROAD 17 CONTROL LINE DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	8465.676	11858.175	24.279	213°36'27.15"			
TC	11.173	8459.492	11848.870	24.336	213°36'27.15"			
IP 2	14.637	8457.571	11845.979	24.365		R = -50.000	6.930	7°56'27.15"
CT	18.102	8456.068	11842.851	24.351	205°40'00.00"			
IP 3	95.902	8422.370	11772.728	24.690	205°40'00.00"			

ROAD 20 CONTROL LINE DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	8619.476	11783.076	25.360	25°40'00.00"			
TC	85.976	8656.715	11860.568	25.519	25°40'00.00"			

ROAD 29 CONTROL LINE DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING
IP 1	0.000	8619.476	11783.076	25.360	205°40'00.00"
IP 2	35.200	8604.230	11751.349	25.718	205°40'00.00"

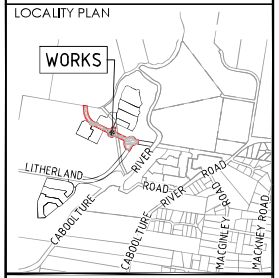
LEGEND
WORKS BOUNDARY
PROPOSED ROAD CENTRELINE

SCALE
10 5 0 10 20 30 40 50m
1 : 500 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client
Stockland

Project
RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:24:52 +10'00'

Drawing Title
GENERAL SETOUT PLAN

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	02 of 65

	Drawing No	Revision
A1	24-283-02	B

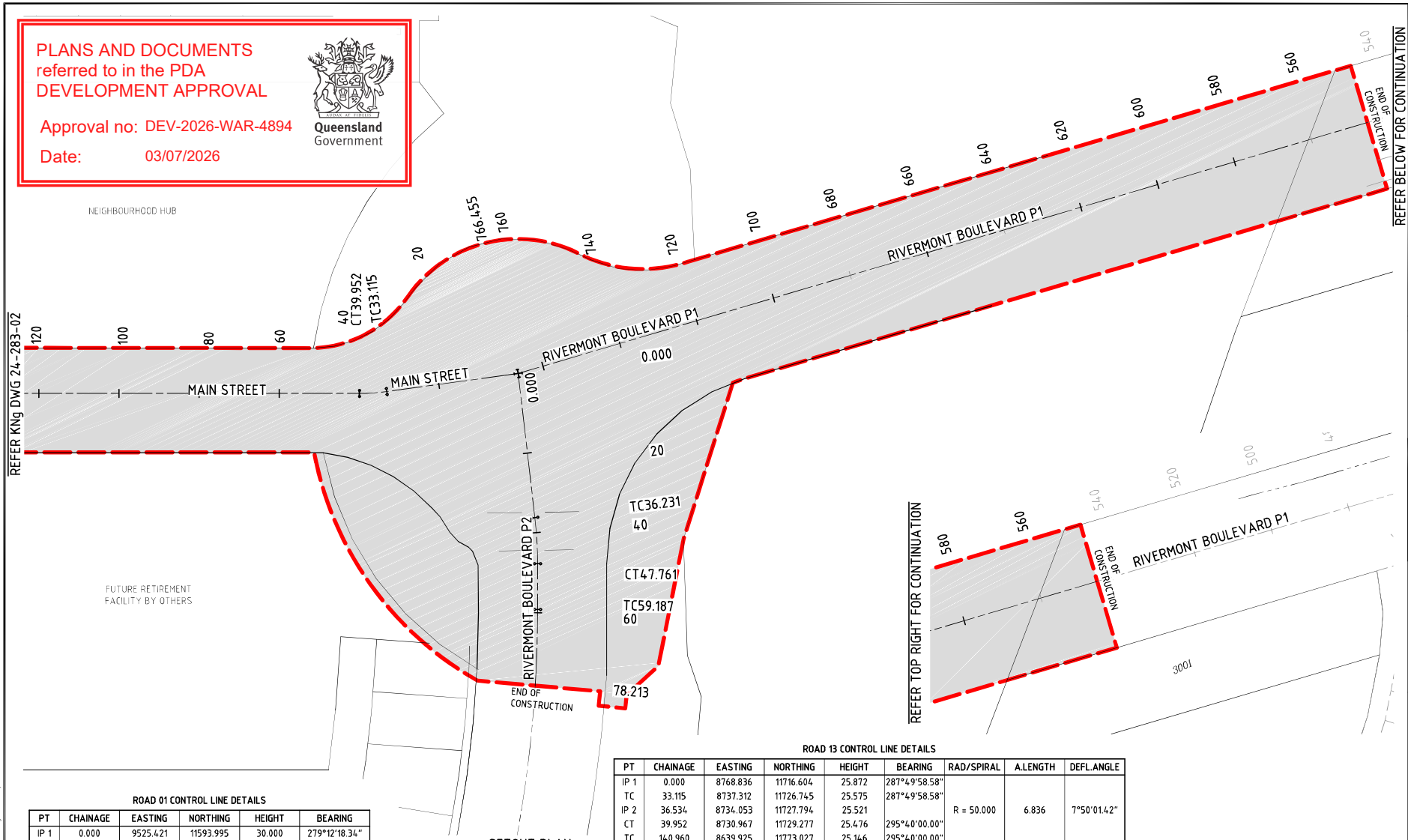
M:\202\x\24283 Rivermont P2 EMW District Collector\Engineering\Acad\24-283-02-03_GE-SETOUT.dwg Plotted by: DF on 29/05/2026 1:36:31 PM

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government



SETOUT PLAN
SCALE 1:500

ROAD 01 CONTROL LINE DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING
IP 1	0.000	9525.421	11593.995	30.000	279°12'18.34"
IP 2	766.455	8768.836	11716.604	25.872	279°12'18.34"

ROAD 18 CONTROL LINE DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	8768.836	11716.604	25.872	199°03'36.94"			
TC	36.231	8757.004	11682.359	26.236	199°03'36.94"			
IP 2	41.996	8755.120	11676.904	26.348		R = 100.000	11.530	6°36'23.06"
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TC	59.187	8747.671	11661.404	26.583	205°40'00.00"			
IP 3	101.990	8729.016	11622.585	27.011		R = 314.750	85.606	15°35'00.00"
CT	144.793	8700.619	11590.204	27.439	221°15'00.00"			
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IP 5	803.954	8113.302	11445.868	31.788	279°10'00.00"			

ROAD 20 CONTROL LINE DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	8619.476	11783.076	25.360	25°40'00.00"			
TC	85.976	8656.715	11860.568	25.519	25°40'00.00"			

ROAD 13 CONTROL LINE DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	8768.836	11716.604	25.872	287°49'58.58"			
TC	33.115	8737.312	11726.745	25.575	287°49'58.58"			
IP 2	36.534	8734.053	11727.794	25.521		R = 50.000	6.836	7°50'01.42"
CT	39.952	8730.967	11729.277	25.476	295°40'00.00"			
TC	140.960	8639.925	11773.027	25.146	295°40'00.00"			
IP 3	141.182	8639.726	11773.123	25.150		R = 50.000	0.443	0°30'28.36"
CT	141.403	8639.527	11773.221	25.154	296°10'28.36"			
IP 4	163.745	8619.476	11783.076	25.360				
TC	319.438	8479.145	11850.512	24.357	295°40'00.00"			
IP 5	377.866	8421.110	11878.401	24.065		R = 111.900	116.856	59°50'00.00"
CT	436.294	8416.058	11942.591	24.261	355°30'00.00"			
IP 6	483.416	8412.361	11989.567	26.151	355°30'00.00"			

ROAD 17 CONTROL LINE DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	8465.676	11858.175	24.279	213°36'27.15"			
TC	11.173	8459.492	11848.870	24.336	213°36'27.15"			
IP 2	14.637	8457.571	11845.979	24.365		R = -50.000	6.930	7°56'27.15"
CT	18.102	8456.068	11842.851	24.351	205°40'00.00"			
IP 3	95.902	8422.370	11772.728	24.690	205°40'00.00"			

ROAD 29 CONTROL LINE DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING
IP 1	0.000	8619.476	11783.076	25.360	205°40'00.00"
IP 2	35.200	8604.230	11751.349	25.718	205°40'00.00"

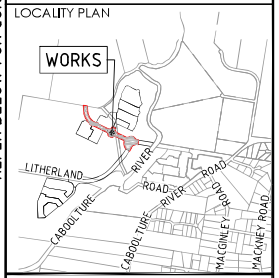
LEGEND
WORKS BOUNDARY
PROPOSED ROAD CENTRELINE

SCALE
10 5 0 10 20 30 40 50m
1 : 500 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client
Stockland

Project
RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD
EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
M. Shaw
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:24:52 +10'00'

Drawing Title
GENERAL SETOUT PLAN

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	03 of 65

	Drawing No	Revision
A1	24-283-03	B

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PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 29/06/2026

Queensland Government

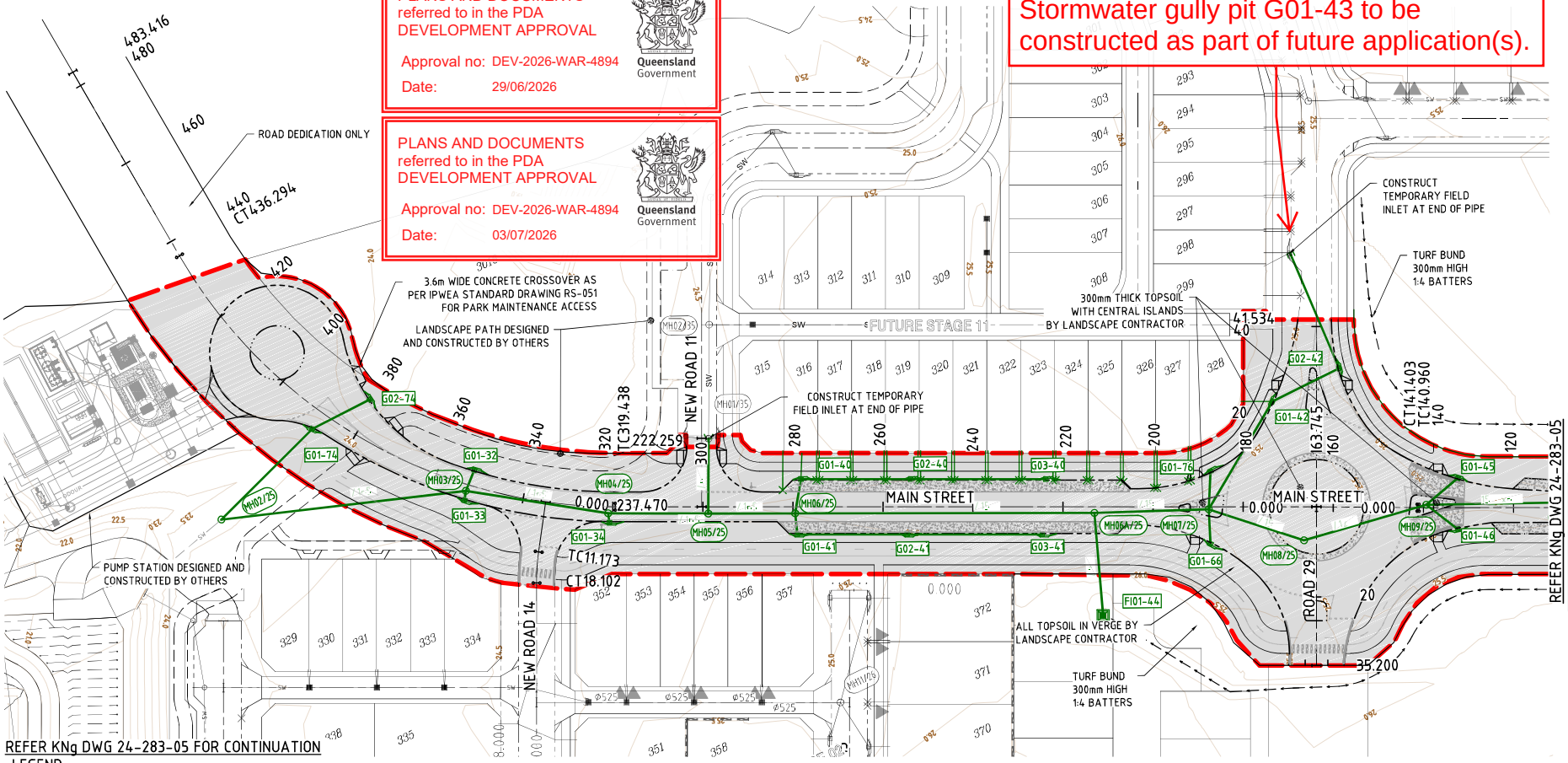
PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

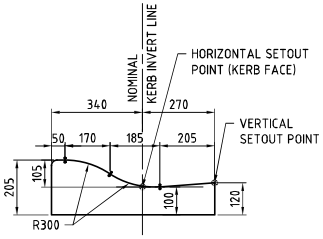
Stormwater gully pit G01-43 to be constructed as part of future application(s).



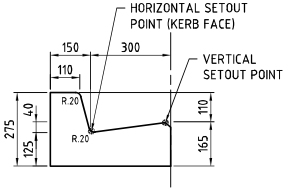
LAYOUT PLAN
SCALE 1:500

LEGEND

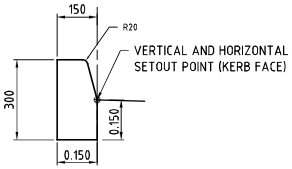
- WORKS BOUNDARY
- PROPOSED ROAD CENTRELINE
- INVERT CHANNEL
- M3 MOUNTABLE KERB AND CHANNEL
- B1 BARRIER KERB AND CHANNEL (300)
- B2 BARRIER KERB ONLY
- SEMI-MOUNTABLE KERB ONLY (TYPE SM3)
- SEMI-MOUNTABLE KERB (TYPE SM5)
- PROPOSED STORMWATER DRAINAGE
- PROPOSED STORMWATER SUBSOIL
- CONCRETE SLEEPER RETAINING WALL
- FUTURE SLEEPER RETAINING WALL
- W-BEAM GUARDRAIL, POWDER COATED BLACK INCLUDING 'SKT' 70km/h TERMINA
- FINISHED SURFACE CONTOURS
- STORMWATER MANHOLE NUMBER
- STORMWATER GULLY PIT NUMBER
- DRIVEWAY POSITION
- FLUSHING POINT (SIDEDRAIN)
- 150Ø ROOFWATER CONNECTION TO GULLY PIT/MH. MIN 450mm COVER IN LOT
- 100Ø PVC ROOFWATER CONNECTION TO KERB ADAPTOR
- KERB ADAPTOR LOCATION
- EXISTING STORMWATER



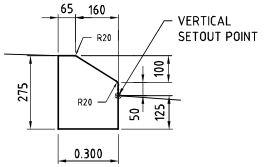
KERB SETOUT DETAIL - M3 MOUNTABLE KERB AND CHANNEL
SCALE 1:10



KERB SETOUT DETAIL BARRIER KERB AND CHANNEL TYPE B1
SCALE 1:10

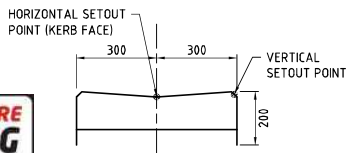


KERB SETOUT DETAIL - BARRIER KERB ONLY TYPE B2
SCALE 1:10



BELOW ROAD SURFACE

KERB SETOUT DETAIL - SEMI MOUNTABLE KERB ONLY-TYPE SM3
SCALE 1:10



KERB SETOUT DETAIL INVERT CHANNEL
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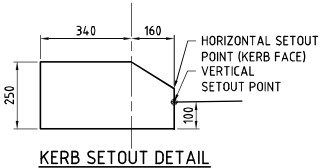
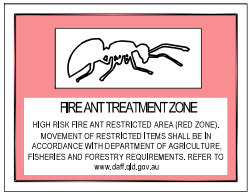


KERB SETOUT DETAIL SEMI - MOUNTABLE KERB (TYPE SM5)
SCALE 1:10



PROPOSED WORKS ARE NEAR EXISTING SERVICES. CONTRACTOR TO COMPLETE DBYD AND LOCATE ALL EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION. POST SERVICE LOCATION, CONTRACTOR TO SUPPLY SURVEY INFORMATION TO SUPERINTENDENT'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORK.

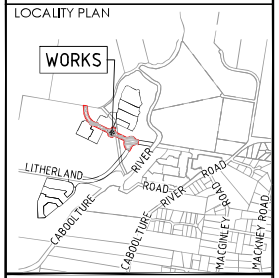
SCALE 1 : 10 (A1 UNREDUCED)

SCALE 1 : 500 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client: Stockland

Project: RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

M. Shaw

Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:24:33 +10'00'

Drawing Title: GENERAL LAYOUT PLAN SHEET 1

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY '26

Scale	Sheet
AS SHOWN	04 of 65

A1	Drawing No	Revision
	24-283-04	B

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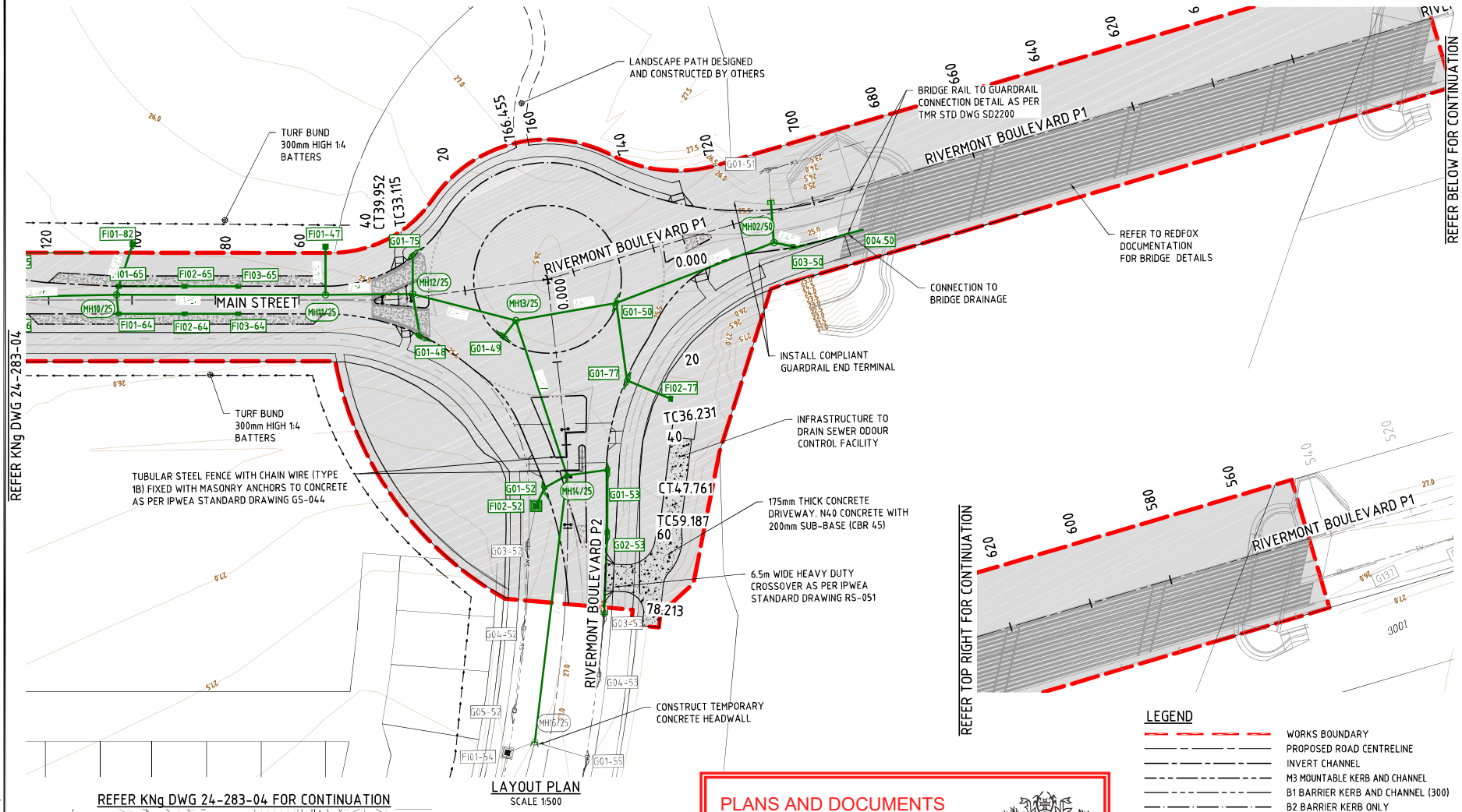
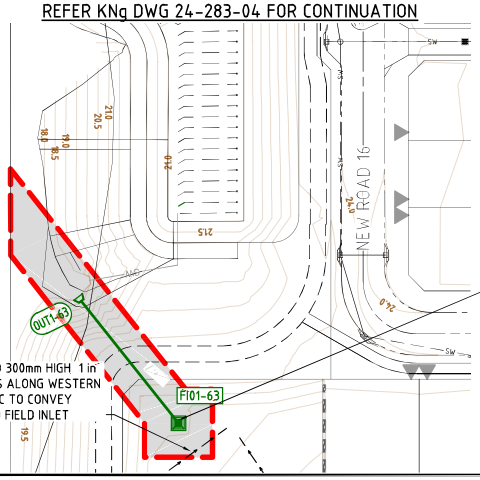




PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

FIRE ANT TREATMENT ZONE

HIGH RISK FIRE ANT RESTRICTED AREA (RED ZONE). MOVEMENT OF RESTRICTED ITEMS SHALL BE IN ACCORDANCE WITH DEPARTMENT OF AGRICULTURE, FISHERIES AND FORESTRY REQUIREMENTS. REFER TO www.daff.qld.gov.au

DANGER UNDERGROUND CABLES

DANGER LIVE WIRES AND COMMUNICATION SERVICES

DIAL BEFORE YOU DIG www.1100.com.au

PROPOSED WORKS ARE NEAR EXISTING SERVICES. CONTRACTOR TO COMPLETE DBYD AND LOCATE ALL EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION. POST SERVICE LOCATION, CONTRACTOR TO SUPPLY SURVEY INFORMATION TO SUPERINTENDENT'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORK.

SCALE 1 : 10 (A1 UNREDUCED)

SCALE 1 : 500 (A1 UNREDUCED)

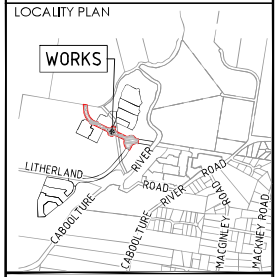
LEGEND

- WORKS BOUNDARY
- PROPOSED ROAD CENTRELINE
- INVERT CHANNEL
- M3 MOUNTABLE KERB AND CHANNEL
- B1 BARRIER KERB AND CHANNEL (300)
- B2 BARRIER KERB ONLY
- SEMI-MOUNTABLE KERB ONLY (TYPE SM3)
- SEMI-MOUNTABLE KERB (TYPE SM5)
- PROPOSED STORMWATER DRAINAGE
- PROPOSED STORMWATER SUBSOIL
- CONCRETE SLEEPER RETAINING WALL
- FUTURE SLEEPER RETAINING WALL
- W-BEAM GUARDRAIL, POWDER COATEI BLACK INCLUDING 'SKT' 70km/h TERMI
- FINISHED SURFACE CONTOURS
- STORMWATER MANHOLE NUMBER
- STORMWATER GULLY PIT NUMBER
- DRIVEWAY POSITION
- FLUSHING POINT (SIDEDRAIN)
- 150ø ROOFWATER CONNECTION TO GULLY PIT/MH. MIN 450mm COVER IN LOT
- 100ø PVC ROOFWATER CONNECTION TO KERB ADAPTOR
- KERB ADAPTOR LOCATION
- EXISTING STORMWATER

DO NOT SCALE THIS DRAWING IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client: Stockland

Project: RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

Digitally signed by Mark Shaw RPEQ 17544 Date: 2026.06.01 12:24:33 +10'00'

Drawing Title: GENERAL LAYOUT PLAN SHEET 2

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	05 of 65

A1	Drawing No	Revision
	24-283-05	B

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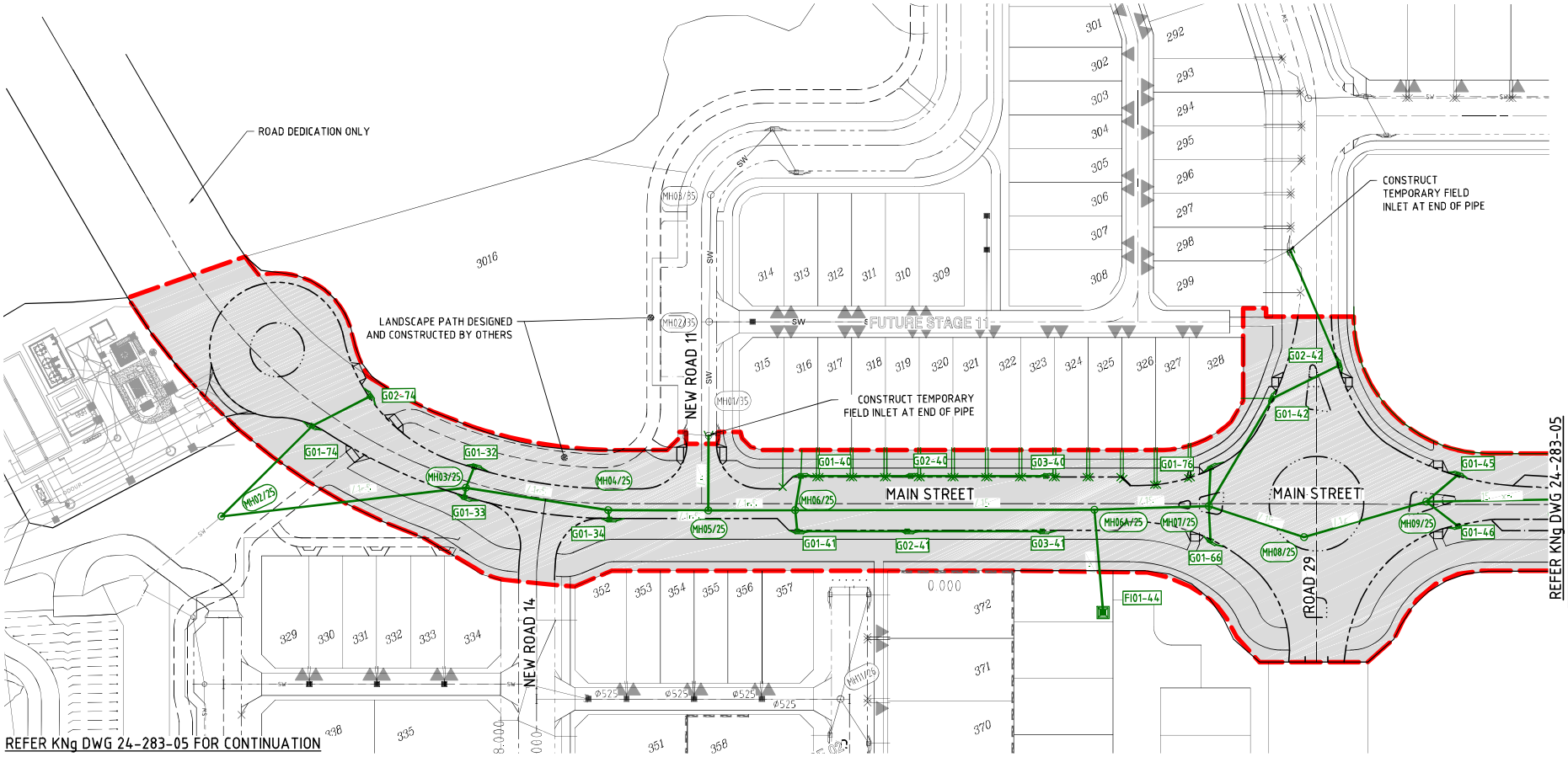

LAYOUT PLAN
SCALE 1:500

LEGEND

- WORKS BOUNDARY
- PROPOSED ROAD CENTRELINE
- INVERT CHANNEL
- M3 MOUNTABLE KERB AND CHANNEL
- B1 BARRIER KERB AND CHANNEL (300)
- B2 BARRIER KERB ONLY
- SEMI-MOUNTABLE KERB ONLY (TYPE SM3)
- SEMI-MOUNTABLE KERB (TYPE SM5)
- PROPOSED STORMWATER DRAINAGE
- PROPOSED STORMWATER SUBSOIL
- CONCRETE SLEEPER RETAINING WALL
- FUTURE SLEEPER RETAINING WALL
- 14C — STORMWATER MANHOLE NUMBER
- G706 — STORMWATER GULLY PIT NUMBER
- DRIVEWAY POSITION
- FLUSHING POINT (SIDEDRAIN)
- 150ø ROOFWATER CONNECTION TO GULLY PIT/MH. MIN 450mm COVER IN LOT
- 100ø PVC ROOFWATER CONNECTION TO KERB ADAPTOR
- KERB ADAPTOR LOCATION
- SW — EXISTING STORMWATER

FIRE ANT TREATMENT ZONE
HIGH RISK FIRE ANT RESTRICTED AREA (RED ZONE). MOVEMENT OF RESTRICTED ITEMS SHALL BE IN ACCORDANCE WITH DEPARTMENT OF AGRICULTURE, FISHERIES AND FORESTRY REQUIREMENTS. REFER TO www.daff.qld.gov.au

DANGER UNDERGROUND CABLES

DANGER LIVE WIRES AND COMMUNICATION SERVICES

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PROPOSED WORKS ARE NEAR EXISTING SERVICES. CONTRACTOR TO COMPLETE DBYD AND LOCATE ALL EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION. POST SERVICE LOCATION, CONTRACTOR TO SUPPLY SURVEY INFORMATION TO SUPERINTENDENT'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORK.

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

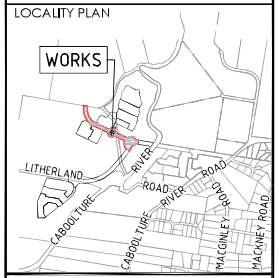
SCALE 1 : 10 (A1 UNREDUCED)

SCALE 1 : 500 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	RFI RESPONSE	29.05.2026	DF

Client: Stockland

Project: RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544 Date: 2026.06.01 12:24:54 +10'00'

Drawing Title: GENERAL STORMWATER PLAN SHEET 1

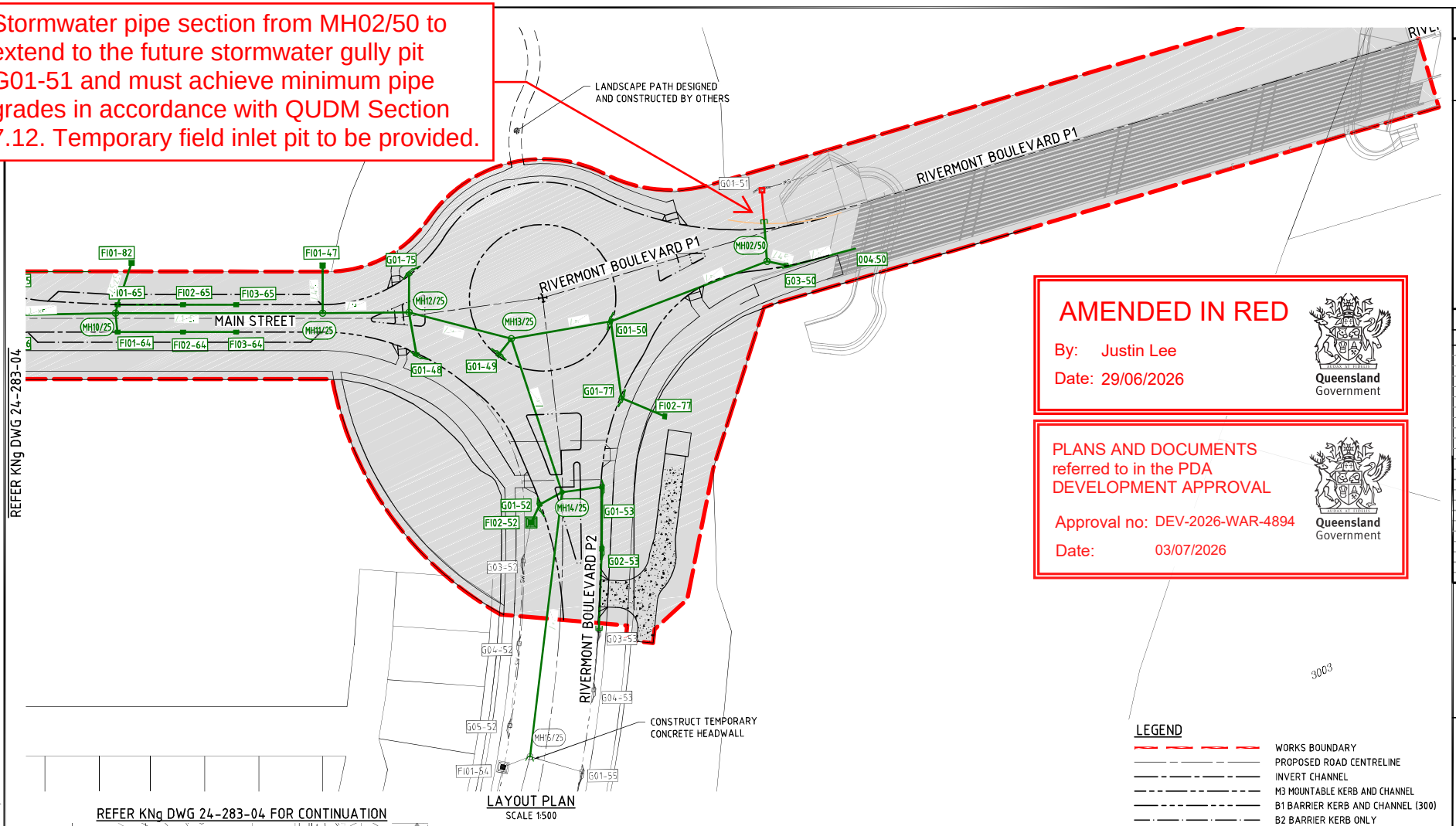
Drawn	Designed	Checked	Date
DF	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	05A of 65

A1	Drawing No	Revision
	24-283-05A	A

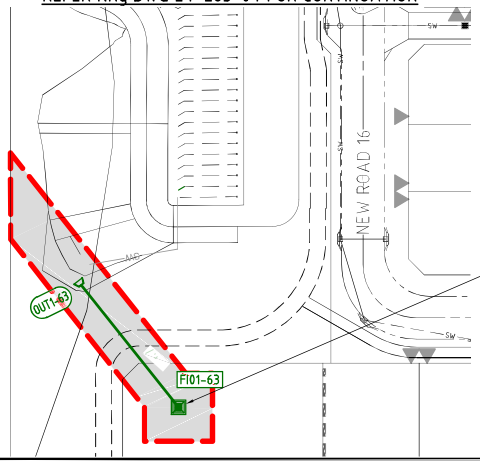
M:\2024\24283\Rivermont P2 EMW District Collector\Engineering\Acad\24-283-05A-SW-LAYOUT.dwg Plotted By: DF on 29/05/2026 3:37:03 PM

Stormwater pipe section from MH02/50 to extend to the future stormwater gully pit G01-51 and must achieve minimum pipe grades in accordance with QUDM Section 7.12. Temporary field inlet pit to be provided.



LAYOUT PLAN
SCALE 1:500

REFER KNg DWG 24-283-04 FOR CONTINUATION



FIRE ANT TREATMENT ZONE
HIGH RISK FIRE ANT RESTRICTED AREA (RED ZONE). MOVEMENT OF RESTRICTED ITEMS SHALL BE IN ACCORDANCE WITH DEPARTMENT OF AGRICULTURE, FISHERIES AND FORESTRY REQUIREMENTS. REFER TO www.daff.qld.gov.au

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SCALE 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0m
1 : 10 (A1 UNREDUCED)

SCALE 10 5 0 10 20 30 40 50m
1 : 500 (A1 UNREDUCED)

AMENDED IN RED

By: Justin Lee

Date: 29/06/2026

Queensland Government

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

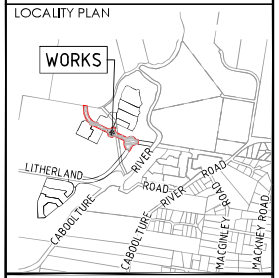
LEGEND

- WORKS BOUNDARY
- PROPOSED ROAD CENTRELINE
- INVERT CHANNEL
- M3 MOUNTABLE KERB AND CHANNEL
- B1 BARRIER KERB AND CHANNEL (300)
- B2 BARRIER KERB ONLY
- SEMI-MOUNTABLE KERB ONLY (TYPE SM3)
- SEMI-MOUNTABLE KERB (TYPE SM5)
- PROPOSED STORMWATER DRAINAGE
- PROPOSED STORMWATER SUBSOIL
- CONCRETE SLEEPER RETAINING WALL
- FUTURE SLEEPER RETAINING WALL
- 14C — STORMWATER MANHOLE NUMBER
- G70G — STORMWATER GULLY PIT NUMBER
- DRIVEWAY POSITION
- FLUSHING POINT (SIDEDRAIN)
- 150Ø ROOFWATER CONNECTION TO GULLY PIT/MH. MIN 450mm COVER IN LOT
- 100Ø PVC ROOFWATER CONNECTION TO KERB ADAPTOR
- KERB ADAPTOR LOCATION
- SW — EXISTING STORMWATER

DO NOT SCALE THIS DRAWING IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	RFI RESPONSE	29.05.2026	DF

Client: Stockland

Project: RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:24:55 +10'00'

Drawing Title: GENERAL STORMWATER PLAN SHEET 2

Drawn	Designed	Checked	Date
DF	JB	MAS	MAY '26

Scale	Sheet
AS SHOWN	05B of 65

A1	Drawing No	Revision
	24-283-05B	A

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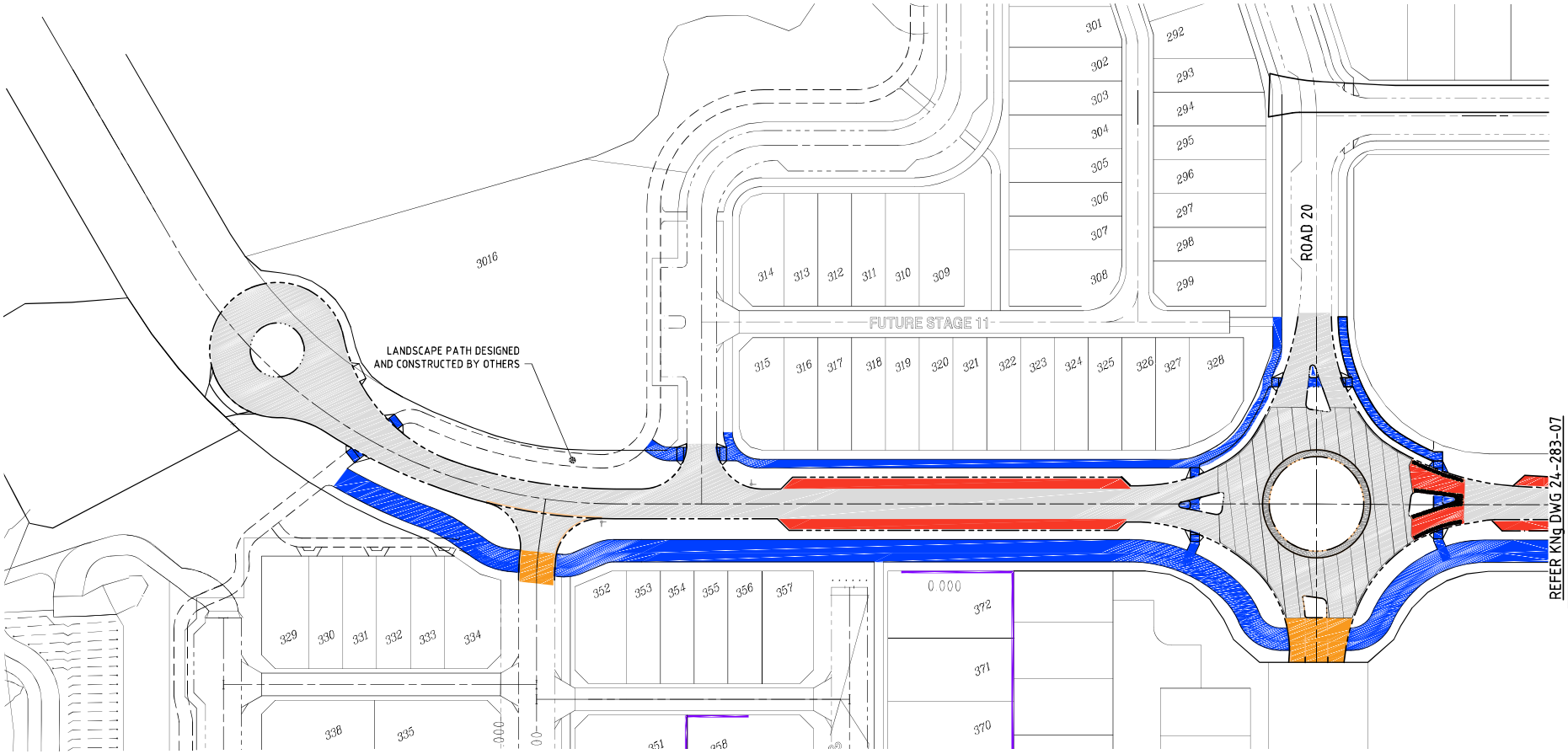

PAVEMENT PLAN
SCALE 1:500

PAVEMENT LEGEND

- ROUNDABOUT CONCRETE ANNULUS - COLOUR: PLAIN GREY FINISH: 3mm MEDIUM EXPOSURE AGGREGATE: HY-TEC JAFFA 90
- CONCRETE ROADWAY - COLOUR: CCS LIZARD SKIN. FINISH: BROOM. REFER DRAWING 24-283-29 FOR COBBLE DETAILS WHERE PROPOSED
- CONCRETE WORKS - COLOUR: CCS LIZARD SKIN - FINISH: BROOM
- ROADWAY- ASPHALT - REFER PAVEMENT DETAIL ON RELEVANT ROAD LONGITUDINAL SECTION
- RAISED CROSSING - ASPHALT - REFER DETAIL ON DRAWING 24-283-28
- ROUNDABOUT- ASPHALT - ADDITIONAL PAVEMENT DEPTH - REFER PAVEMENT DETAIL ON LONGITUDINAL SECTION

FIRE ANT TREATMENT ZONE
HIGH RISK FIRE ANT RESTRICTED AREA (RED ZONE). MOVEMENT OF RESTRICTED ITEMS SHALL BE IN ACCORDANCE WITH DEPARTMENT OF AGRICULTURE, FISHERIES AND FORESTRY REQUIREMENTS. REFER TO www.daff.qld.gov.au

DANGER
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PROPOSED WORKS ARE NEAR EXISTING SERVICES. CONTRACTOR TO COMPLETE DBYD AND LOCATE ALL EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION. POST SERVICE LOCATION, CONTRACTOR TO SUPPLY SURVEY INFORMATION TO SUPERINTENDENT'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORK.

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

SCALE
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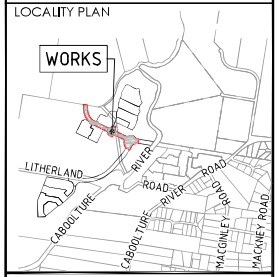
1 : 500 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client
Stockland

Project
RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:24:35 +10'00'

Drawing Title
GENERAL PAVEMENT PLAN

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	06 of 65

	Drawing No	Revision
A1	24-283-06	B

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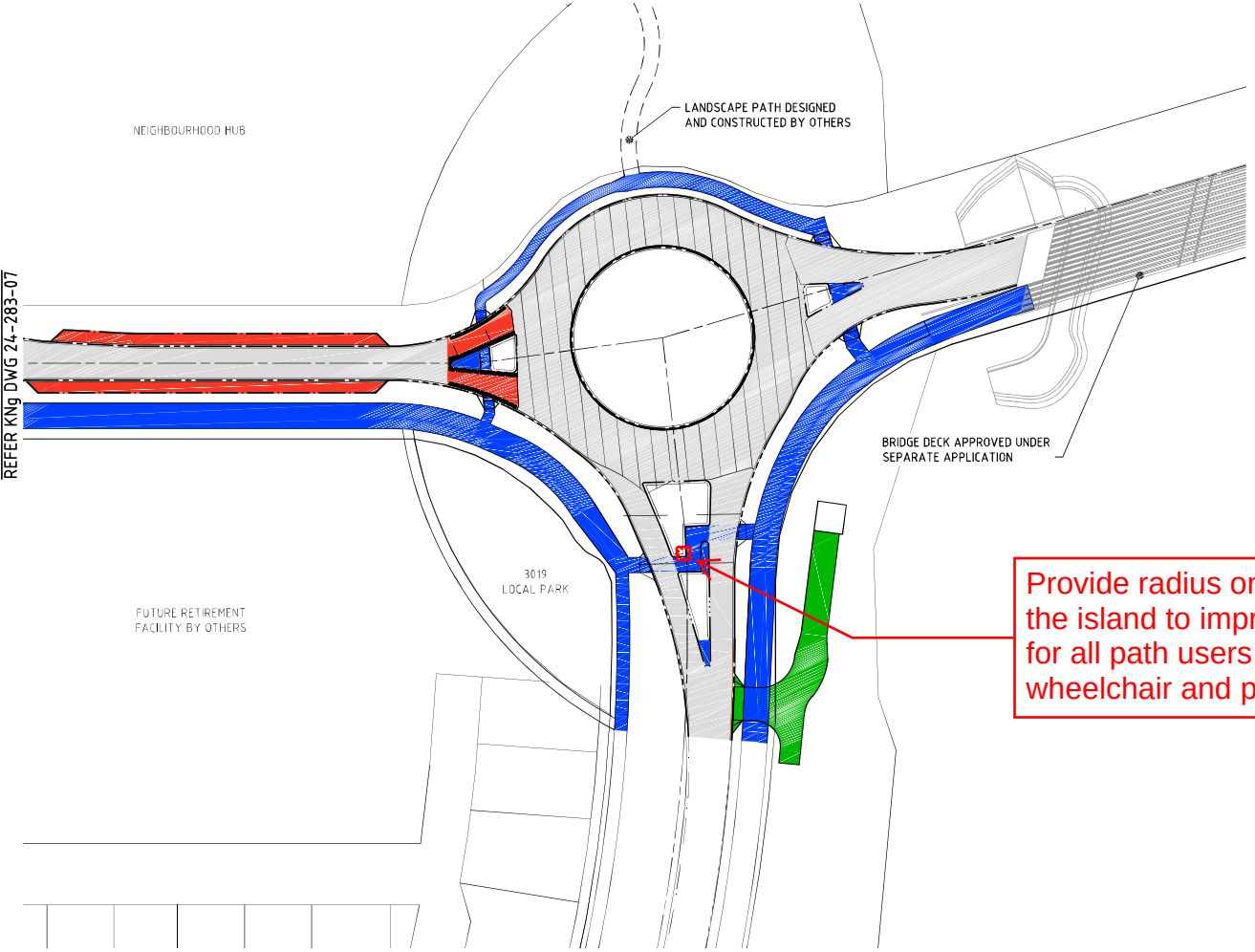

PAVEMENT PLAN
SCALE 1:500

PAVEMENT LEGEND

- ROUNDABOUT CONCRETE ANNULUS - COLOUR: PLAIN GREY FINISH: 3mm MEDIUM EXPOSURE AGGREGATE: HY-TEC JAFFA 90
- CONCRETE ROADWAY - COLOUR: CCS LIZARD SKIN. FINISH: BROOM. REFER DRAWING 24-283-29 FOR COBBLE DETAILS WHERE PROPOSED
- CONCRETE FOOTPATH - COLOUR: CCS LIZARD SKIN - FINISH: BROOM
- ROADWAY- ASPHALT - REFER PAVEMENT DETAIL ON RELEVANT ROAD LONGITUDINAL SECTION
- CONCRETE DRIVWAY - COLOUR: PLAIN GREY. FINISH: BROOM
- ROUNDABOUT- ASPHALT - ADDITIONAL PAVEMENT DEPTH - REFER PAVEMENT DETAIL ON LONGITUDINAL SECTION

FIRE ANT TREATMENT ZONE
HIGH RISK FIRE ANT RESTRICTED AREA (RED ZONE). MOVEMENT OF RESTRICTED ITEMS SHALL BE IN ACCORDANCE WITH DEPARTMENT OF AGRICULTURE, FISHERIES AND FORESTRY REQUIREMENTS. REFER TO www.daff.qld.gov.au

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AMENDED IN RED
By: Justin Lee
Date: 29/06/2026

Queensland Government

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV-2026-WAR-4894
Date: 03/07/2026

Queensland Government

SCALE
10 5 0 10 20 30 40 50m
1 : 500 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING
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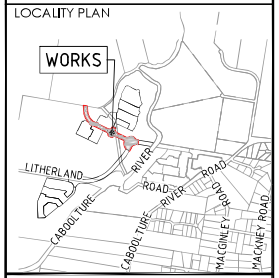
NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client: Stockland

Project: RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:24:36 +10'00'

Drawing Title: GENERAL PAVEMENT PLAN

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	07 of 65

	Drawing No	Revision
A1	24-283-07	A

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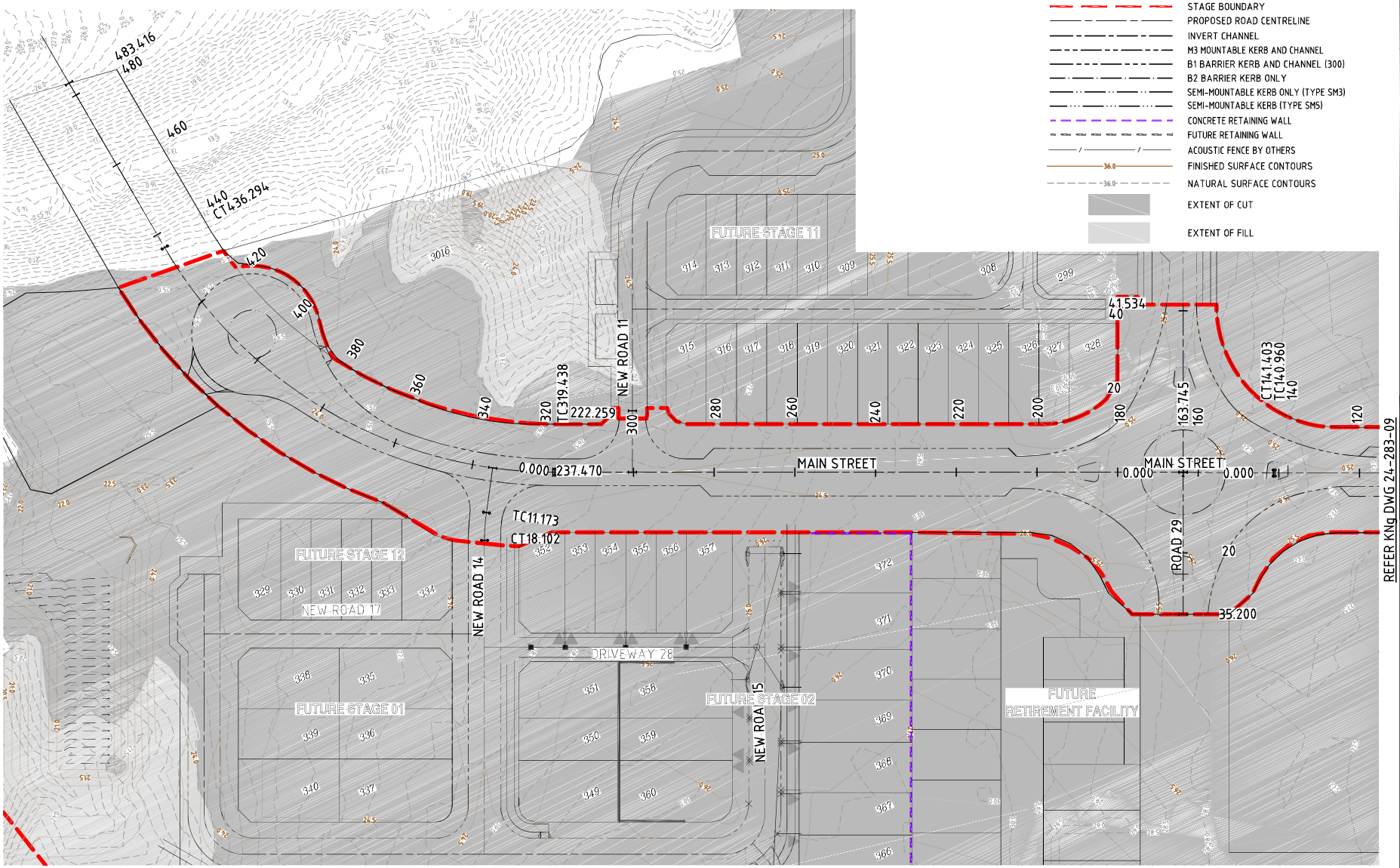
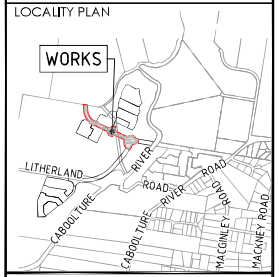


EARTHWORKS CONTOUR PLAN
SCALE 1:500

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	DF

Client

Stockland

Project

RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:24:36 +10'00'

Drawing Title
EARTHWORKS CONTOUR PLAN

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY '26

Scale	Sheet
AS SHOWN	08 of 65

A1	Drawing No	Revision
	24-283-08	B

FIRE ANT TREATMENT ZONE
HIGH RISK FIRE ANT RESTRICTED AREA (RED ZONE). MOVEMENT OF RESTRICTED ITEMS SHALL BE IN ACCORDANCE WITH DEPARTMENT OF AGRICULTURE, FISHERIES AND FORESTRY REQUIREMENTS. REFER TO www.daff.qld.gov.au

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PLANS AND DOCUMENTS
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DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

SCALE
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1 : 500 (A1 UNREDUCED)

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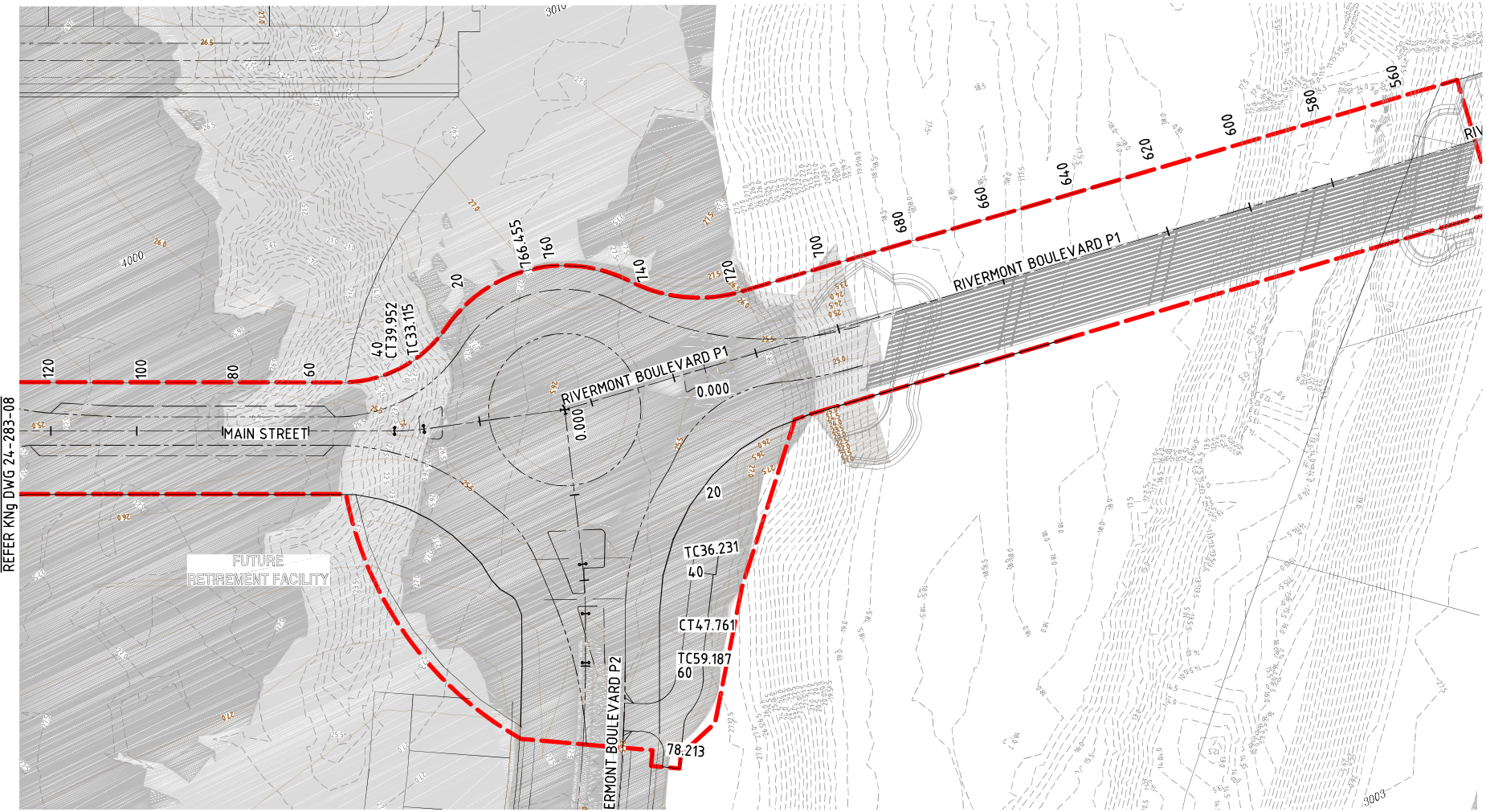

EARTHWORKS CONTOUR PLAN
SCALE 1:500

LEGEND

- STAGE BOUNDARY
- PROPOSED ROAD CENTRELINE
- INVERT CHANNEL
- M3 MOUNTABLE KERB AND CHANNEL
- B1 BARRIER KERB AND CHANNEL (300)
- B2 BARRIER KERB ONLY
- SEMI-MOUNTABLE KERB ONLY (TYPE SM3)
- SEMI-MOUNTABLE KERB (TYPE SM5)
- CONCRETE RETAINING WALL
- FUTURE RETAINING WALL
- ACOUSTIC FENCE BY OTHERS
- FINISHED SURFACE CONTOURS
- NATURAL SURFACE CONTOURS
- EXTENT OF CUT
- EXTENT OF FILL

SCALE
1 : 500 (A1 UNREDUCED)

FIRE ANT TREATMENT ZONE
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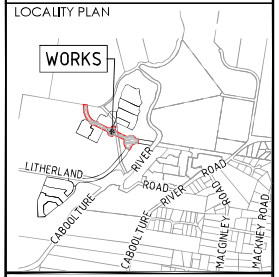
LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	DF

Client: Stockland

Project: RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:24:57 +10'00'

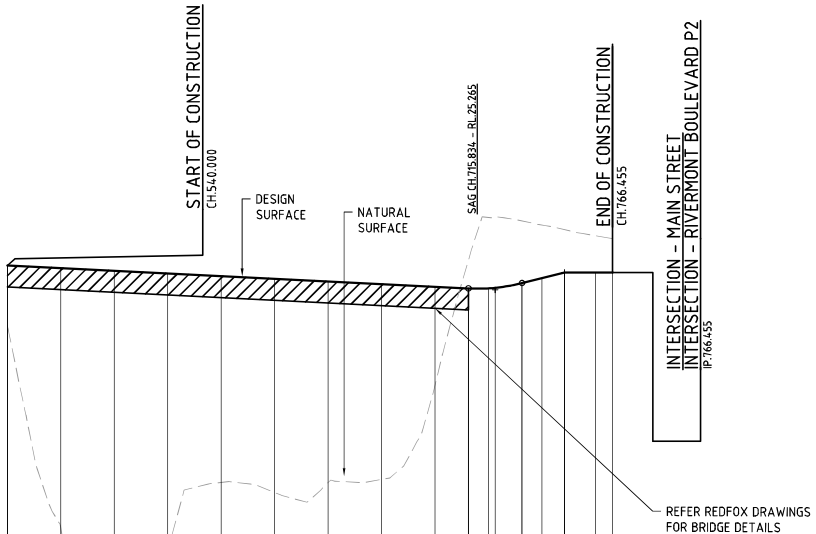
Drawing Title: EARTHWORKS CONTOUR PLAN

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY '26

Scale	Sheet
AS SHOWN	09 of 65

A1	Drawing No	Revision
	24-283-09	B

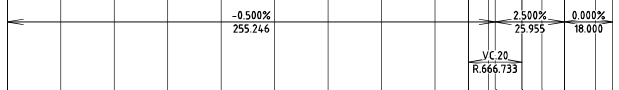
M:\2024\24283 Rivermont P2 EMW District Collection\Engineering\Acad\24-283-86-09-EW-CONTOURS.dwg Plotted by: DF on 29/05/2026 3:37:47 PM



NOMINAL PAVEMENT DETAILS (EXCLUDING BRIDGE)
50mm ASPHALTIC CONCRETE
5mm PRIMER SEAL
130mm BASE COURSE (TYPE 2.1, CBR 80)
130mm UPPER SUB-BASE COURSE (TYPE 2.3, CBR 45)
200mm LOWER SUB-BASE COURSE (TYPE 2.5, CBR 15)
SUBGRADE REPLACEMENT 300mm (TYPE 2.5, CBR 15)
DESIGN ESA = 3.00 X 10^4
DESIGN IN-SITU CBR = 3

NOMINAL PAVEMENT DETAILS
SUB-ARTERIAL ROUNDABOUT
50mm ASPHALTIC CONCRETE
5mm PRIMER SEAL
130mm BASE COURSE (TYPE 2.1, CBR 80)
130mm UPPER SUB-BASE COURSE (TYPE 2.3, CBR 45)
250mm LOWER SUB-BASE COURSE (TYPE 2.5, CBR 15)
300mm SUBGRADE REPLACEMENT (TYPE 2.5, CBR 15)
DESIGN ESA = 3.04 X 10^4
DESIGN IN-SITU CBR = 3

Refer to pavement design condition.



DATUM R.L.-3.000

LIP OF KERB LHS									*								
LIP OF KERB RHS																	
NATURAL SURFACE	16.297	9.861	15.416	18.015	17.638	18.016	18.127	21.647	26.333	27.933	27.937	27.802	27.645	27.473	27.249	27.143	
CUT/FILL DEPTH	9.739	16.074	10.419	7.720	7.998	7.520	7.309	3.688	-1.060	-2.655	-2.639	-2.329	-1.984	-1.601	-1.378	-1.271	
DESIGN SURFACE	26.035	25.935	25.835	25.735	25.635	25.535	25.435	25.335	25.273	25.278	25.298	25.473	25.660	25.872	25.872	25.872	
PEGGED CHAINAGE	560.000	580.000	600.000	620.000	640.000	660.000	680.000	700.000	712.500	720.000	722.500	732.500	740.000	748.455	760.000	766.455	

Horiz Curve Data

LONGITUDINAL SECTION - RIVERMONT BOULEVARD P1

SCALE - 1:1000 (H)
1:100 (V)

* REFER INTERSECTION DETAILS ON KN DWG 24-283-26.

SCALE A 1:1000 (Horiz.) 10 5 0 10 20 30 40 50 60 70 80 90 100m
B 1:100 (Vert.) 1 0.5 0 1 2 3 4 5 6 7 8 9 10m
(A1 UNREDUCED)

AMENDED IN RED

By: Justin Lee

Date: 29/06/2026

Queensland Government

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

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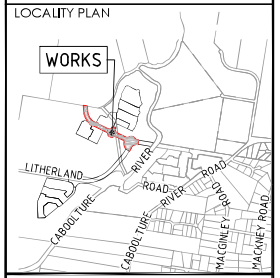
NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client: Stockland

Project: RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:24:37+10'00'

Drawing Title: ROADWORKS LONGITUDINAL SECTION RIVERMONT BOULEVARD P1

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	10 of 65

	Drawing No	Revision
A1	24-283-10	B

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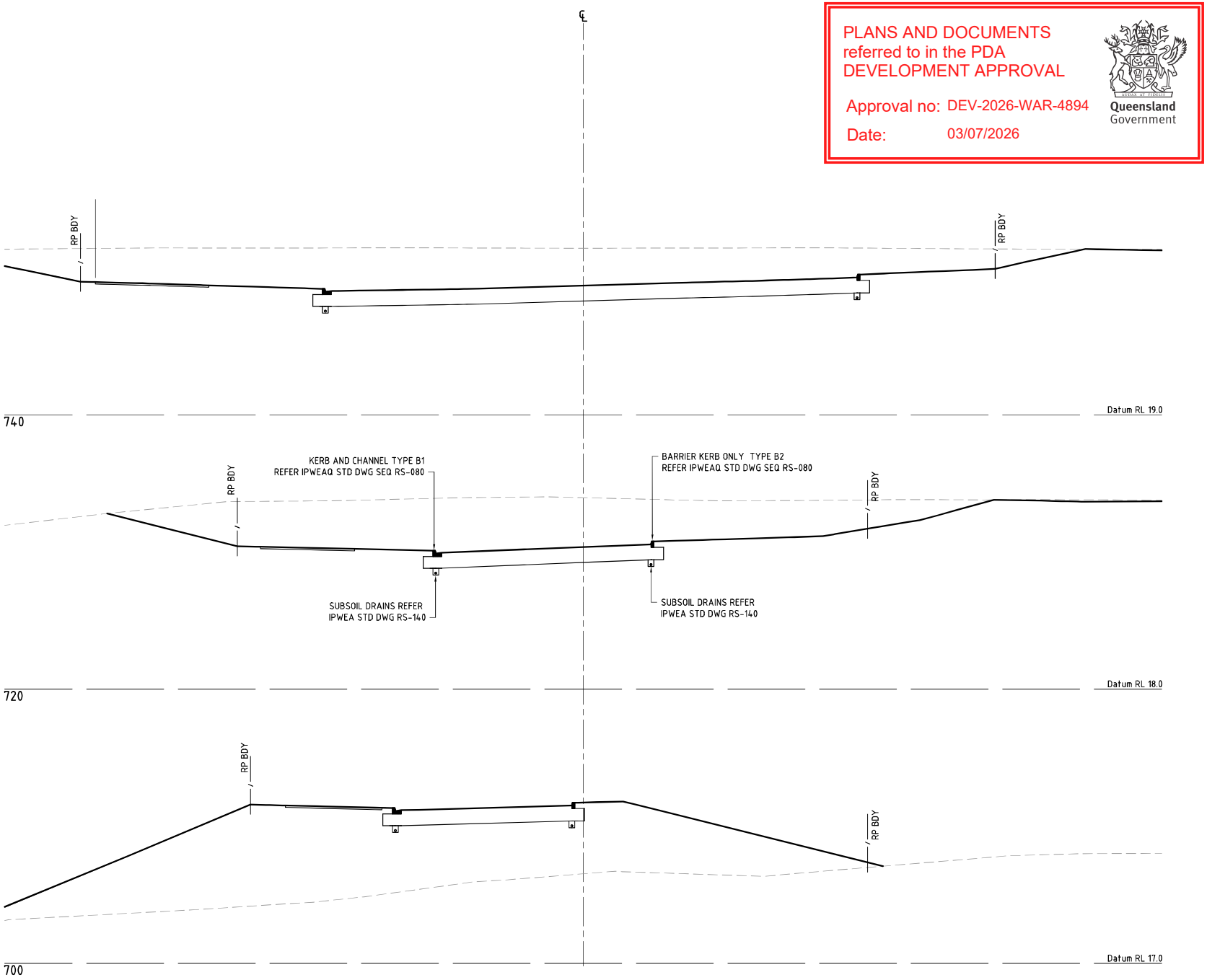
PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government



CROSS SECTIONS - RIVERMONT BOULEVARD P1

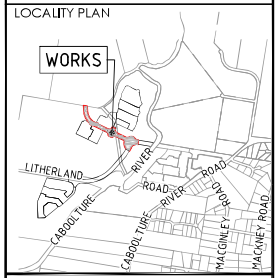
SCALE 1 0.5 0 1 2 3 4 5 6 7 8 9 10m

1 : 100 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client

Stockland

Project

RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

M. Shaw

Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:24:38 +10'00'

Drawing Title

ROADWORKS
CROSS SECTIONS
RIVERMONT BOULEVARD P1

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY '26

Scale	Sheet
AS SHOWN	11 of 65

A1	Drawing No	Revision
	24-283-11	B

M:\2024\24283 Rivermont P2 EMW District Collection\Engineering\Acad\24-283-11-23-RD-LONG-CROSS.dwg Plotted by: JR on 29/05/2026 3:38:00 PM

NOMINAL PAVEMENT DETAILS 2	
DISTRICT COLLECTOR	
50mm	ASPHALTIC CONCRETE
5mm	PRIMER SEAL
130mm	BASE COURSE (TYPE 2.1, CBR 80)
130mm	UPPER SUB-BASE COURSE (TYPE 2.3, CBR 45)
200mm	UPPER SUB-BASE COURSE (TYPE 2.5, CBR 15)
300mm	SUBGRADE REPLACEMENT(TYPE 2.5, CBR 15)
DESIGN ESA =	8×10^5
DESIGN IN-SITU CBR =	3

NOMINAL PAVEMENT DETAILS 3	
DISTRICT COLLECTOR ROUNDABOUT	
50mm	ASPHALTIC CONCRETE
5mm	PRIMER SEAL
130mm	BASE COURSE (TYPE 2.1, CBR 80)
130mm	UPPER SUB-BASE COURSE (TYPE 2.3, CBR 45)
250mm	UPPER SUB-BASE COURSE (TYPE 2.5, CBR 15)
300mm	SUBGRADE REPLACEMENT(TYPE 2.5, CBR 15)
DESIGN ESA =	8.4×10^5
DESIGN IN-SITU CBR =	3

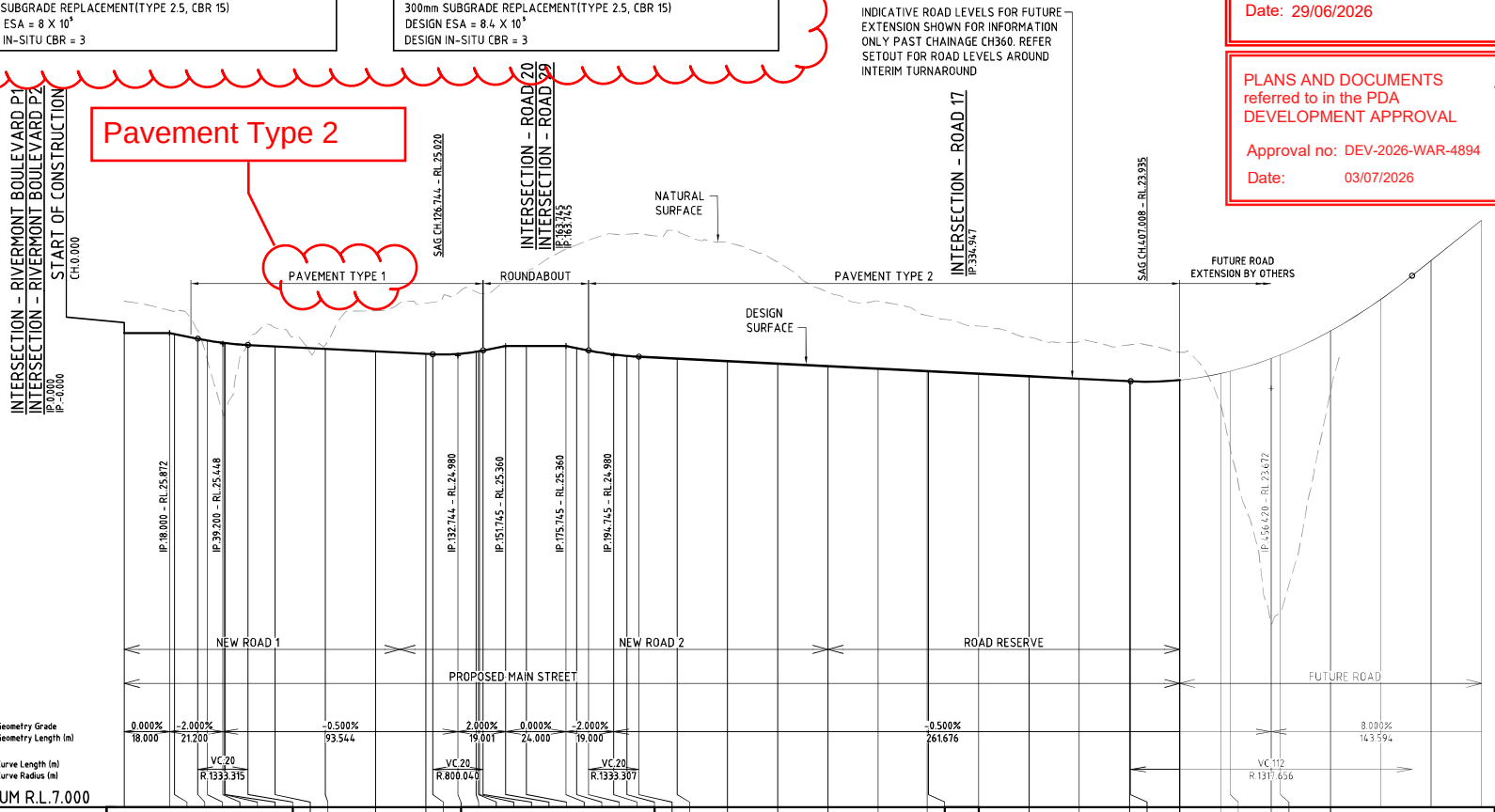
Refer to pavement design condition(s).

AMENDED IN RED
By: Justin Lee
Date: 29/06/2026
Queensland Government

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV-2026-WAR-4894
Date: 03/07/2026
Queensland Government

Pavement Type 2

INDICATIVE ROAD LEVELS FOR FUTURE EXTENSION SHOWN FOR INFORMATION ONLY PAST CHAINAGE CH360. REFER SETOUT FOR ROAD LEVELS AROUND INTERIM TURNAROUND



DATUM R.L.7.000

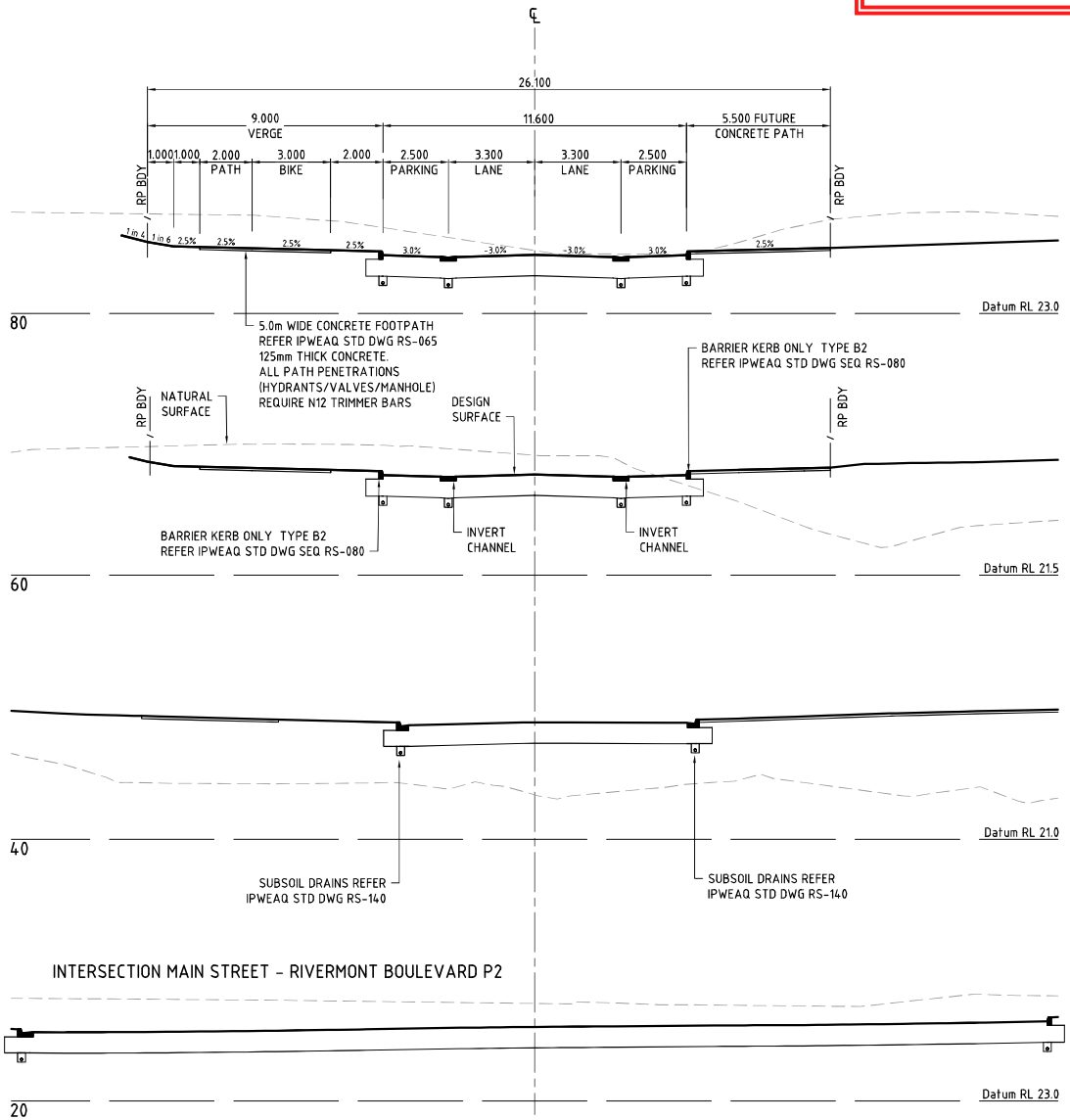
| | | |

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government



CROSS SECTIONS - MAIN STREET - NEW ROAD 1

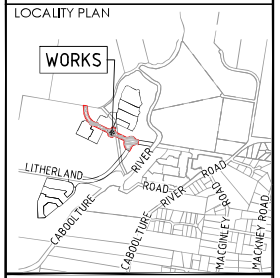
SCALE 1 0.5 0 1 2 3 4 5 6 7 8 9 10m

1 : 100 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client

Stockland

Project

RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

M. Shaw

Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:24:39 +10'00'

Drawing Title

ROADWORKS
CROSS SECTIONS
MAIN STREET SHEET 1

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY '26

Scale	Sheet
AS SHOWN	13 of 65

A1	Drawing No	Revision
	24-283-13	B

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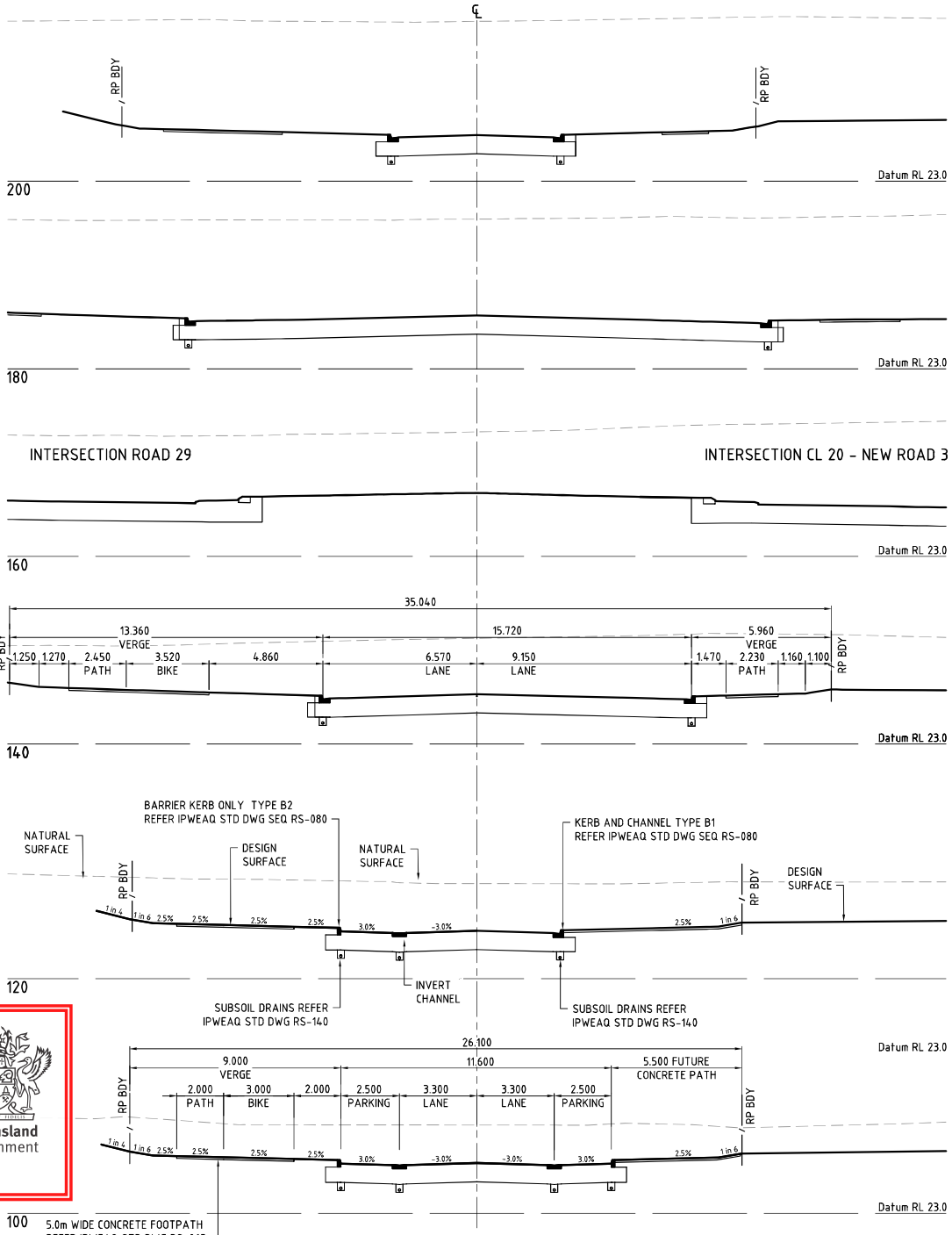


CROSS SECTIONS - MAIN STREET - NEW ROAD 1 & NEW ROAD 2

SCALE
1 0.5 0 1 2 3 4 5 6 7 8 9 10m
1 : 100 (A1 UNREDUCED)

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

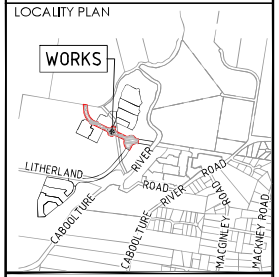
Date: 03/07/2026

Queensland Government

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client

Stockland

Project

RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:00 +10'00'

Drawing Title

ROADWORKS
CROSS SECTIONS
MAIN STREET SHEET 2

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	14 of 65

A1	Drawing No	Revision
	24-283-14	B

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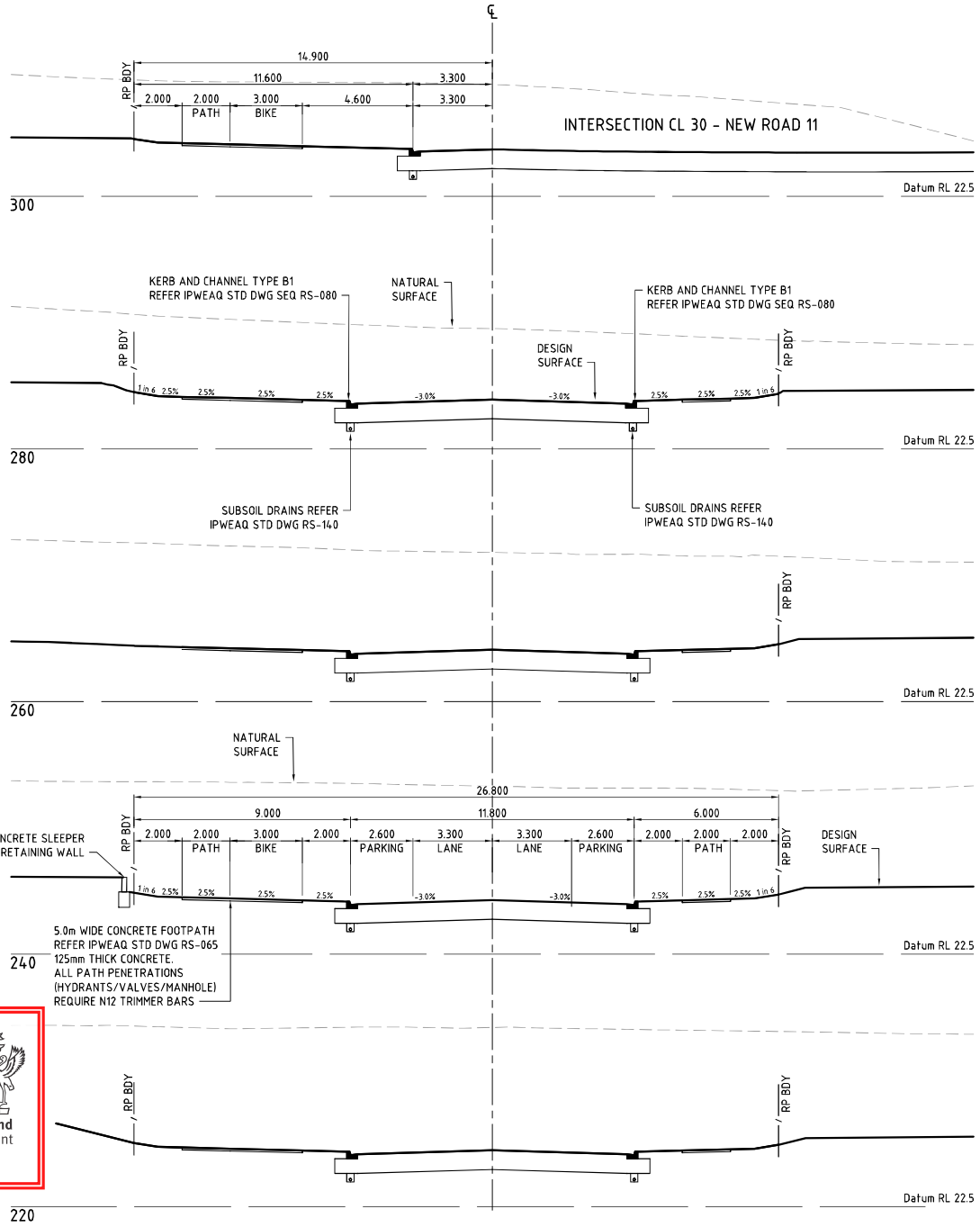


CROSS SECTIONS - MAIN STREET - NEW ROAD 2 & ROAD RESERVE

SCALE 1 0.5 0 1 2 3 4 5 6 7 8 9 10m

1 : 100 (A1 UNREDUCED)

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

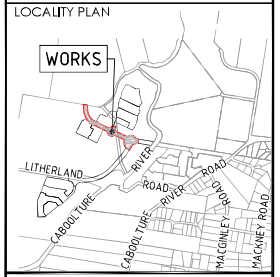
Date: 03/07/2026

Queensland Government

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client

Stockland

Project

RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 ~~12:25:01 10'00'~~

Drawing Title

ROADWORKS
CROSS SECTIONS
MAIN STREET SHEET 3

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY '26

Scale	Sheet
AS SHOWN	15 of 65

	Drawing No	Revision
A1	24-283-15	B

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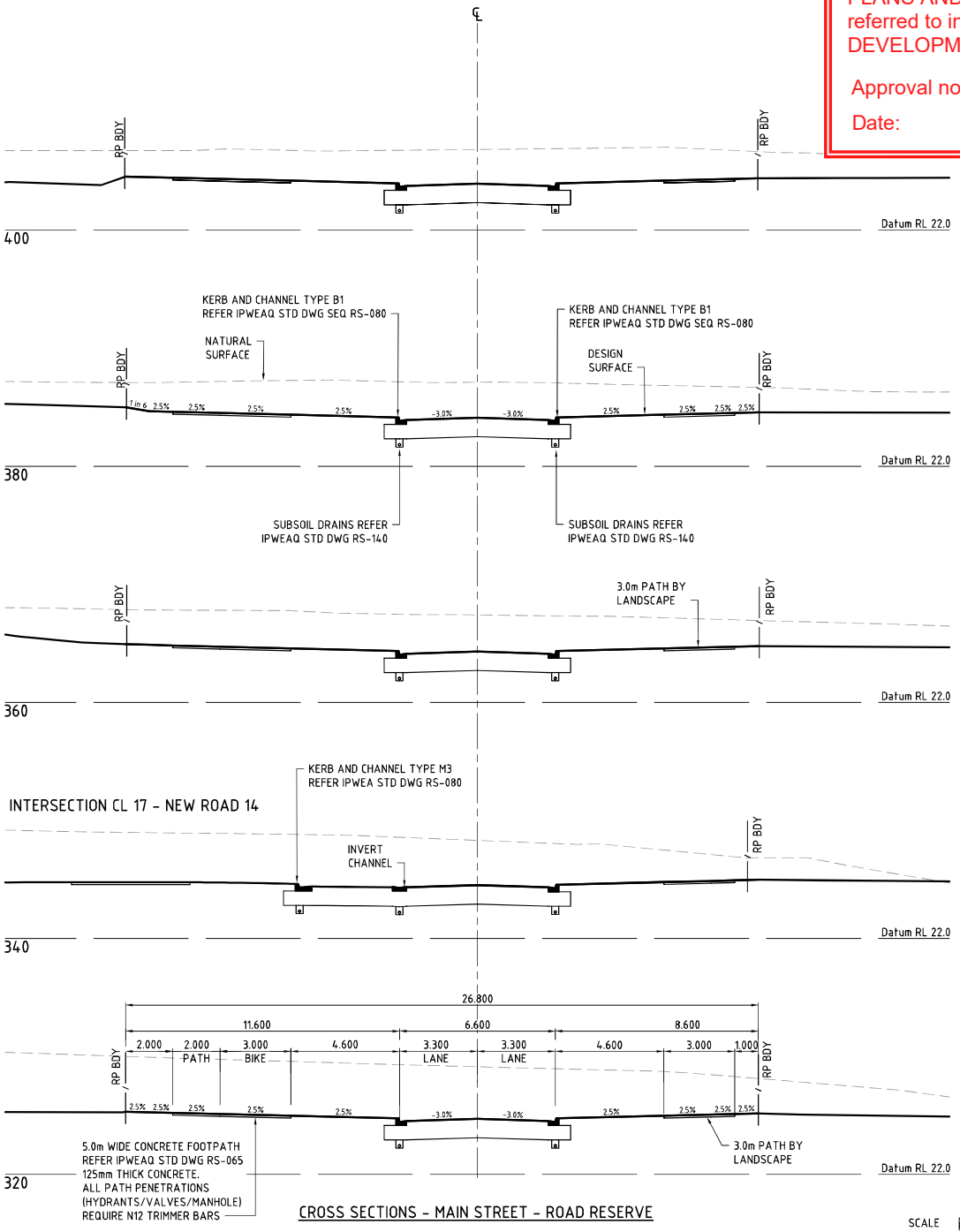
PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government



CROSS SECTIONS - MAIN STREET - ROAD RESERVE

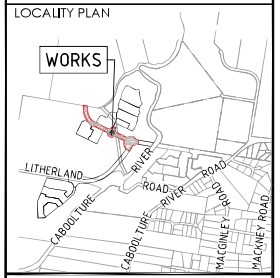
SCALE 1 0.5 0 1 2 3 4 5 6 7 8 9 10m

1 : 100 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client

Stockland

Project

RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:04 +10'00'

Drawing Title

ROADWORKS
CROSS SECTIONS
MAIN STREET SHEET 4

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY '26

Scale	Sheet
AS SHOWN	16 of 65

	Drawing No	Revision
A1	24-283-16	B

M:\2024\24283 Rivermont P2 EMW District Collection\Engineering\Acad\24-283-10-23-RD-LONG-CROSS.dwg Plotted by: JB on 29/05/2026 3:38:18 PM

Refer to pavement design condition(s).

NOMINAL PAVEMENT DETAILS
LIVING RESIDENTIAL
30mm ASPHALTIC CONCRETE
5mm PRIMER SEAL
100mm BASE COURSE (TYPE 2.1, CBR 80)
100mm UPPER SUB-BASE COURSE (TYPE 2.3, CBR 45)
200mm LOWER SUB-BASE COURSE (TYPE 2.5, CBR 15)
SUBGRADE REPLACEMENT 300mm (TYPE 2.5, CBR 15)
DESIGN ESA = 1.2×10^6
DESIGN IN-SITU CBR = 3

AMENDED IN RED

By: Justin Lee

Date: 29/06/2026

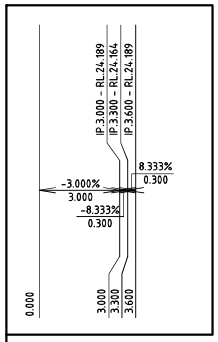
Queensland Government

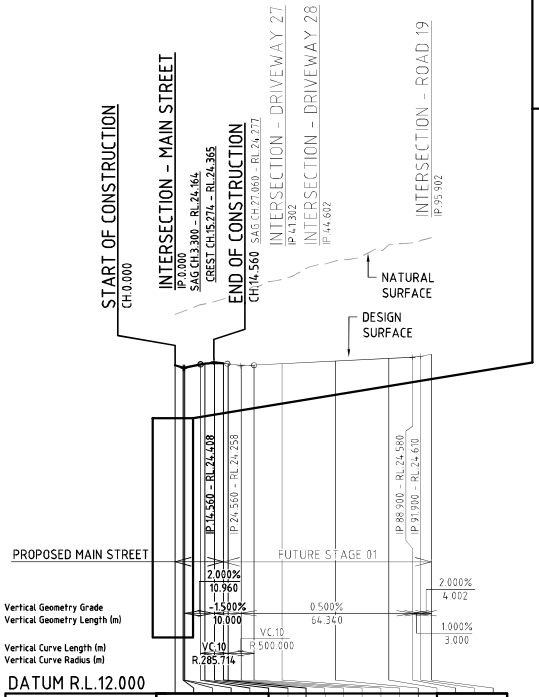
PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government





DATUM R.L.12.000

| | | |

NOMINAL PAVEMENT DETAILS
SUB-ARTERIAL
50mm ASPHALTIC CONCRETE
5mm PRIMER SEAL
130mm BASE COURSE (TYPE 2.1, CBR 80)
130mm UPPER SUB-BASE COURSE (TYPE 2.3, CBR 45)
200mm LOWER SUB-BASE COURSE (TYPE 2.5, CBR 15)
300mm SUBGRADE REPLACEMENT (TYPE 2.5, CBR 15)
DESIGN ESA = 3 X 10⁶
DESIGN IN-SITU CBR = 3

NOMINAL PAVEMENT DETAILS
SUB-ARTERIAL ROUNDABOUT
50mm ASPHALTIC CONCRETE
5mm PRIMER SEAL
130mm BASE COURSE (TYPE 2.1, CBR 80)
130mm UPPER SUB-BASE COURSE (TYPE 2.3, CBR 45)
250mm LOWER SUB-BASE COURSE (TYPE 2.5, CBR 15)
300mm SUBGRADE REPLACEMENT (TYPE 2.5, CBR 15)
DESIGN ESA = 3.04 X 10⁶
DESIGN IN-SITU CBR = 3

Refer to pavement design condition.

AMENDED IN RED

By: Justin Lee

Date: 29/06/2026

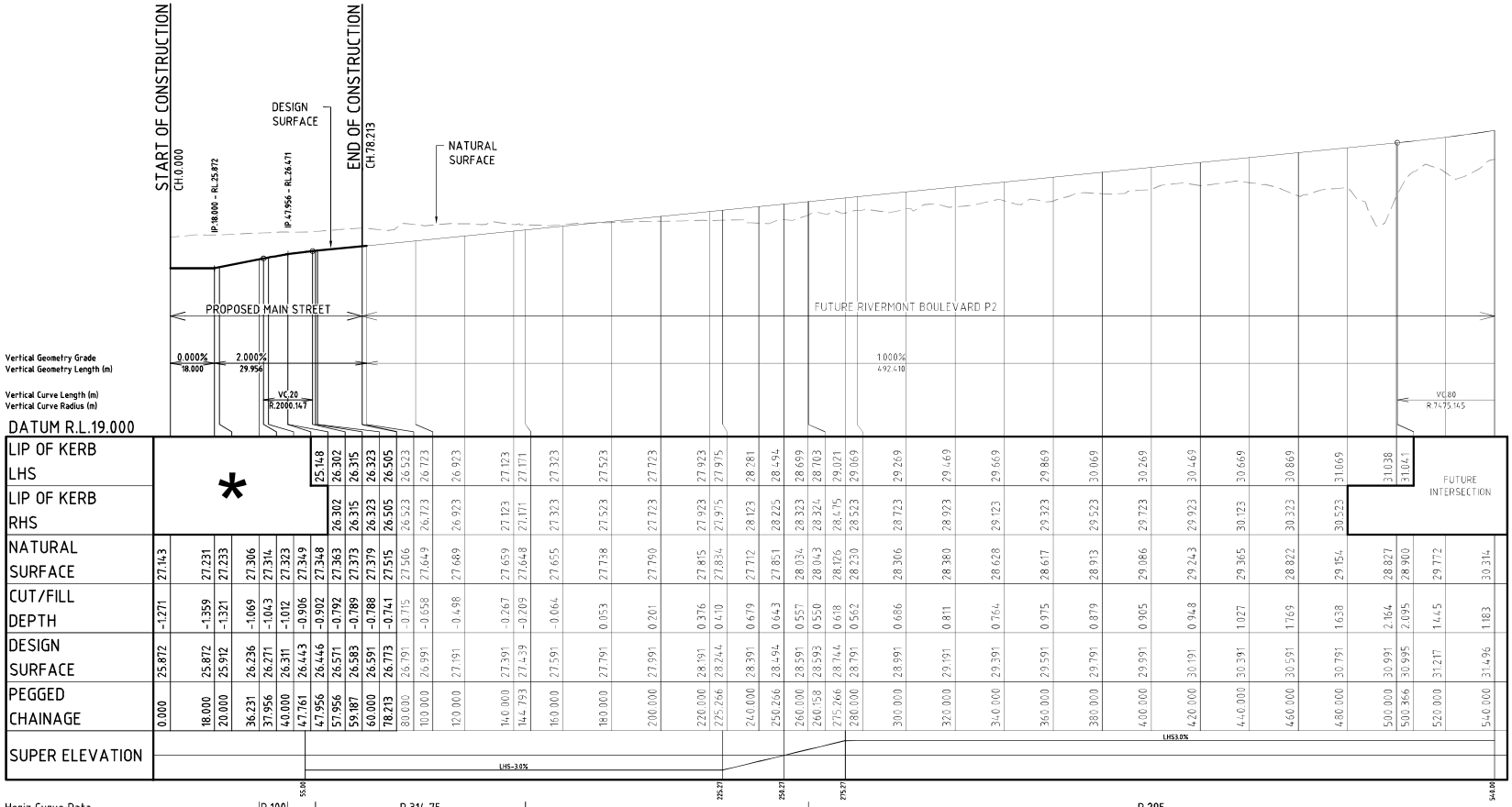
Queensland Government

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government



PEGGED CHAINAGE	DESIGN SURFACE	CUT/FILL DEPTH	NATURAL SURFACE	LIP OF KERB RHS	LIP OF KERB LHS
0.000	25.872	-1.271	27.143		
18.000	25.872	-1.359	27.231		
20.000	25.912	-1.321	27.233		
36.231	26.236	-1.069	27.306		
37.956	26.271	-1.043	27.314		
40.000	26.311	-1.012	27.323		
47.761	26.443	-0.906	27.349		
47.956	26.446	-0.902	27.348	26.302	25.148
57.956	26.571	-0.792	27.363	26.302	
59.187	26.583	-0.789	27.373	26.315	
60.000	26.591	-0.788	27.379	26.323	
78.213	26.773	-0.741	27.515	26.505	
80.000	26.791	-0.715	27.506	26.523	
100.000	26.991	-0.658	27.649	26.723	
120.000	27.191	-0.498	27.689	26.923	
140.000	27.391	-0.267	27.659	27.123	
144.793	27.439	-0.209	27.648	27.171	
160.000	27.591	-0.064	27.655	27.323	
180.000	27.791	0.053	27.738	27.523	
200.000	27.991	0.201	27.790	27.723	
220.000	28.191	0.376	27.815	27.923	
225.266	28.244	0.410	27.834	27.975	
240.000	28.391	0.679	27.712	28.123	
250.266	28.494	0.643	27.851	28.225	
260.000	28.591	0.557	28.034	28.323	
260.758	28.593	0.550	28.043	28.324	
275.266	28.744	0.618	28.126	28.475	
280.000	28.791	0.562	28.230	28.523	
300.000	28.991	0.686	28.306	28.723	29.269
320.000	29.191	0.811	28.380	28.923	29.469
340.000	29.391	0.764	28.628	29.123	29.669
360.000	29.591	0.975	28.617	29.323	29.869
380.000	29.791	0.879	28.913	29.523	30.069
400.000	29.991	0.905	29.086	29.723	30.269
420.000	30.191	0.948	29.243	29.923	30.469
440.000	30.391	1.027	29.365	30.123	30.669
460.000	30.591	1.769	28.822	30.323	30.869
480.000	30.791	1.638	29.154	30.523	31.069
500.000	30.991	2.164	28.827		31.038
500.366	30.995	2.095	28.900		31.041
520.000	31.217	1.445	29.772		
540.000	31.496	1.183	30.314		

LONGITUDINAL SECTION - RIVERMONT BOULEVARD P2

SCALE - 1:1000 (H) 1:100 (V)

* REFER INTERSECTION DETAILS ON KN DWG 24-283-26.

SCALE A 1:1000 (Horiz.) 10 5 0 10 20 30 40 50 60 70 80 90 100m

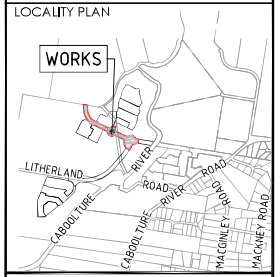
B 1:100 (Vert.) 1 0.5 0 1 2 3 4 5 6 7 8 9 10m

(A1 UNREDUCED)

DO NOT SCALE THIS DRAWING IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client: Stockland

Project: RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

M. Shaw

Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:02 +10'00'

Drawing Title: ROADWORKS LONGITUDINAL SECTION RIVERMONT BOULEVARD P2

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	18 of 65

Drawing No	Revision
24-283-18	B

A1

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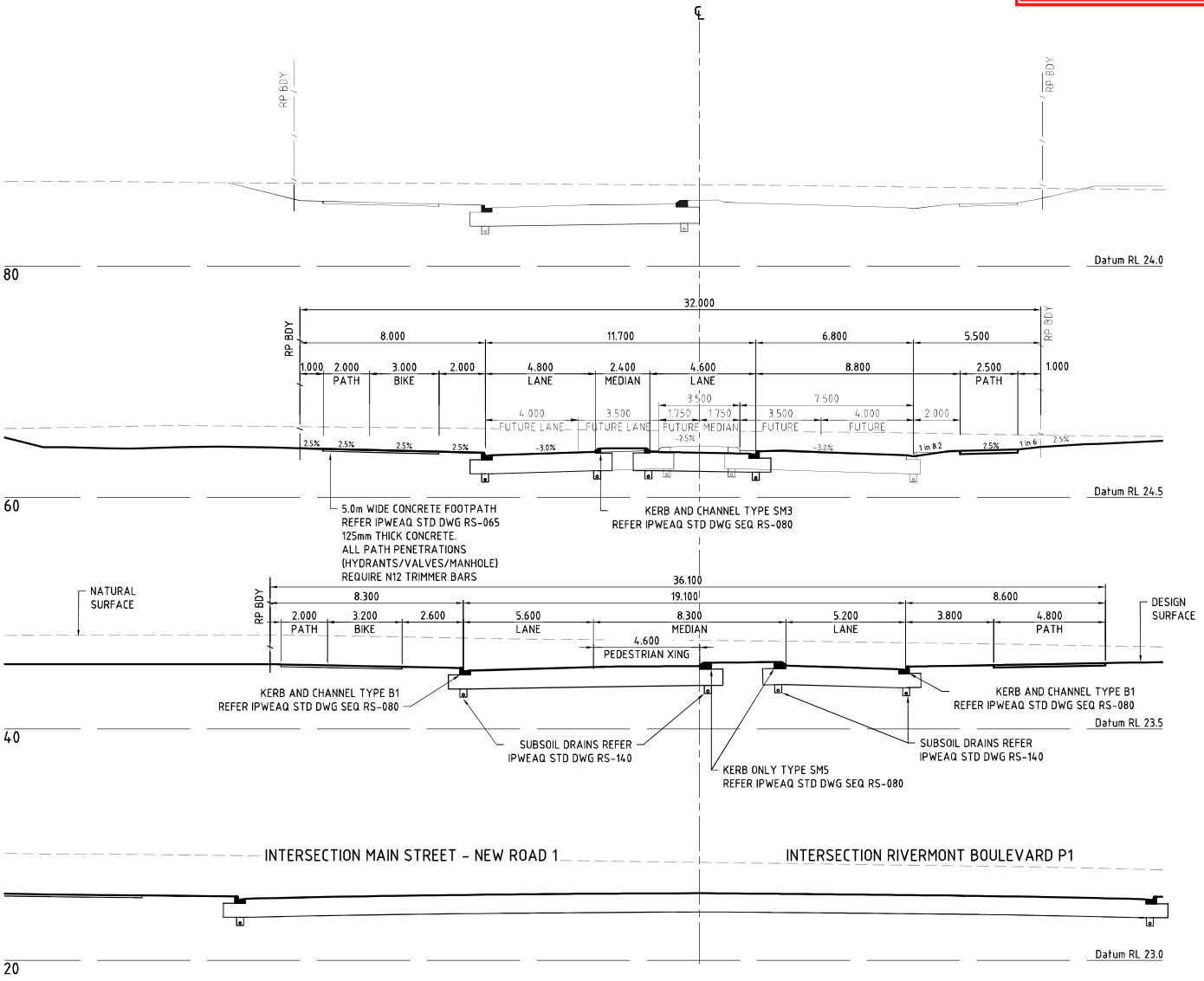
PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government



CROSS SECTIONS - RIVERMONT BOULEVARD P2

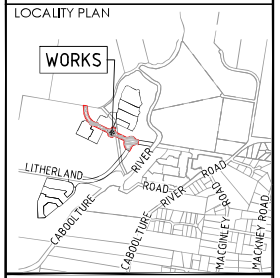
SCALE 1 0.5 0 1 2 3 4 5 6 7 8 9 10m

1 : 100 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	DF

Client: Stockland

Project:
RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD
EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:03 +10'00'

Drawing Title:
ROADWORKS
CROSS SECTIONS
RIVERMONT BOULEVARD P2

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY '26

Scale	Sheet
AS SHOWN	19 of 65

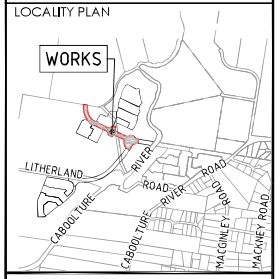
A1	Drawing No	Revision
	24-283-19	B

M:\2024\24283 Rivermont P2 EMW District Collection\Engineering\Acad\24-283-10-23-RD-LONG-CROSS.dwg Plotted by: DF on 29/05/2026 3:38:28 PM

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

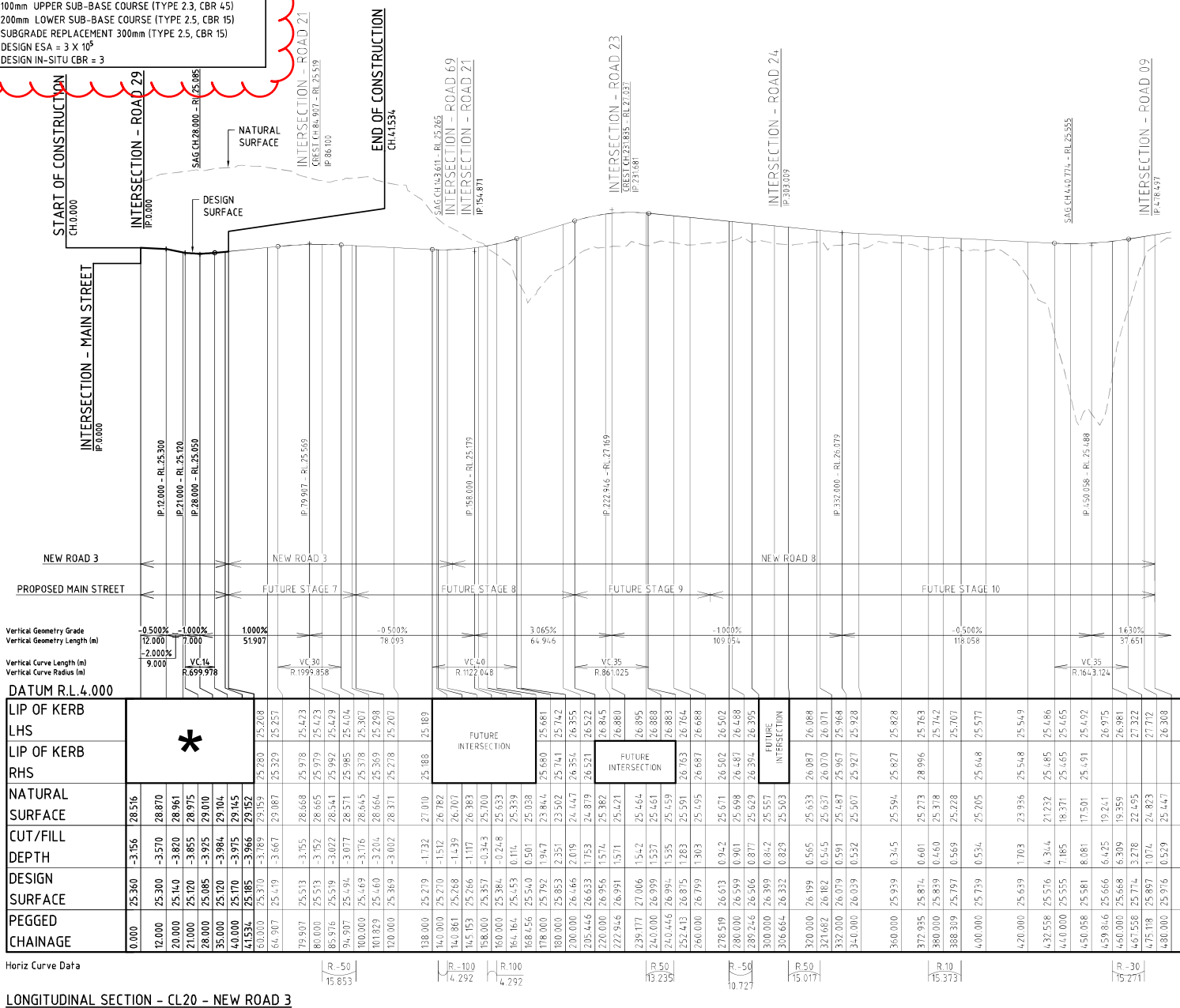
No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	DF

NOMINAL PAVEMENT DETAILS

CONTEMPORARY RESIDENTIAL

40mm ASPHALTIC CONCRETE
5mm PRIMER SEAL
100mm BASE COURSE (TYPE 2.1, CBR 80)
100mm UPPER SUB-BASE COURSE (TYPE 2.3, CBR 45)
200mm LOWER SUB-BASE COURSE (TYPE 2.5, CBR 15)
SUBGRADE REPLACEMENT 300mm (TYPE 2.5, CBR 15)
DESIGN ESA = 3 X 10^5
DESIGN IN-SITU CBR = 3

Refer to pavement design condition.



PEGGED CHAINAGE	DESIGN SURFACE	CUT/FILL DEPTH	NATURAL SURFACE	LIP OF KERB RHS	LIP OF KERB LHS
0.000	25.360	-3.156	28.516	25.208	25.208
12.000	25.300	-3.570	28.870	25.280	25.257
20.000	25.140	-3.820	28.961	25.329	25.257
21.000	25.120	-3.855	28.975	25.978	25.423
28.000	25.085	-3.925	29.010	25.979	25.423
35.000	25.120	-3.984	29.104	25.992	25.429
40.000	25.170	-3.975	29.145	25.978	25.423
41.534	25.185	-3.966	29.152	25.992	25.429
60.000	25.370	-3.789	29.159	25.978	25.423
64.907	25.519	-3.667	29.087	25.992	25.429
79.907	25.513	-3.155	28.668	25.978	25.423
80.000	25.513	-3.152	28.665	25.979	25.423
85.916	25.519	-3.022	28.541	25.992	25.429
94.907	25.494	-3.077	28.571	25.985	25.404
100.000	25.469	-3.176	28.645	25.378	25.307
101.829	25.460	-3.204	28.664	25.369	25.298
120.000	25.369	-3.012	28.311	25.278	25.207
138.000	25.279	-1.732	27.010	25.188	25.189
140.000	25.270	-1.512	26.782	FUTURE INTERSECTION	
140.861	25.268	-1.439	26.707		
145.153	25.266	-1.117	26.383		
158.000	25.357	-0.343	25.700	25.680	25.680
160.000	25.384	-0.248	25.633	25.741	25.742
164.164	25.453	0.114	25.339	25.038	26.355
168.456	25.540	0.501	25.038	23.844	26.522
178.000	25.792	1.947	23.844	23.502	26.845
180.000	25.853	2.351	23.502	24.447	26.880
200.000	26.466	2.019	24.447	24.879	26.895
205.446	26.633	1.753	24.879	25.382	26.883
220.000	26.956	1.574	25.382	25.421	26.883
222.946	26.991	1.571	25.421	FUTURE INTERSECTION	
239.177	27.006	1.542	25.464	25.671	26.502
240.000	26.999	1.537	25.461	25.598	26.488
240.446	26.994	1.535	25.459	25.629	26.394
252.413	26.875	1.283	25.591	25.557	FUTURE INTERSECTION
260.000	26.799	1.303	25.495	25.503	
278.519	26.613	0.942	25.671	25.633	26.088
280.000	26.599	0.901	25.698	25.637	26.070
289.246	26.506	0.877	25.629	25.487	25.967
300.000	26.399	0.842	25.557	25.507	25.928
306.664	26.332	0.829	25.503		
320.000	26.199	0.565	25.633	25.827	25.828
321.682	26.182	0.545	25.637		
332.000	26.079	0.591	25.487	25.967	25.968
340.000	26.039	0.532	25.507		
360.000	25.939	0.345	25.594	25.827	25.828
372.935	25.874	0.601	25.273	28.996	25.783
380.000	25.839	0.460	25.378		25.742
388.309	25.797	0.569	25.228		25.707
400.000	25.739	0.534	25.205	25.648	25.577
420.000	25.639	1.703	23.936	25.548	25.549
432.558	25.576	4.344	21.232	25.485	25.486
440.000	25.555	7.185	18.371	25.465	25.465
450.058	25.581	8.081	17.501	25.491	25.492
459.846	25.666	6.425	19.241		26.975
460.000	25.668	6.309	19.359		26.981
467.558	25.774	3.278	22.495		27.322
475.118	25.897	1.074	24.823		27.712
480.000	25.976	0.529	25.447		26.308

AMENDED IN RED
By: Justin Lee
Date: 29/06/2026

Queensland Government

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV-2026-WAR-4894
Date: 03/07/2026

Queensland Government

Stockland

Project
RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:04 +10'00'

Drawing Title
ROADWORKS
LONGITUDINAL SECTION
ROAD 20

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	20 of 65

A1	Drawing No	Revision
	24-283-20	B

LONGITUDINAL SECTION - CL20 - NEW ROAD 3

SCALE - 1:1000 (H) 1:100 (V)
SCALE - 1:1000 (H) 1:100 (V)

* REFER INTERSECTION DETAILS ON KN DWG 24-283-25.

SCALE A 1:1000 (Horiz.) B 1:100 (Vert.)
(A1 UNREDUCED)

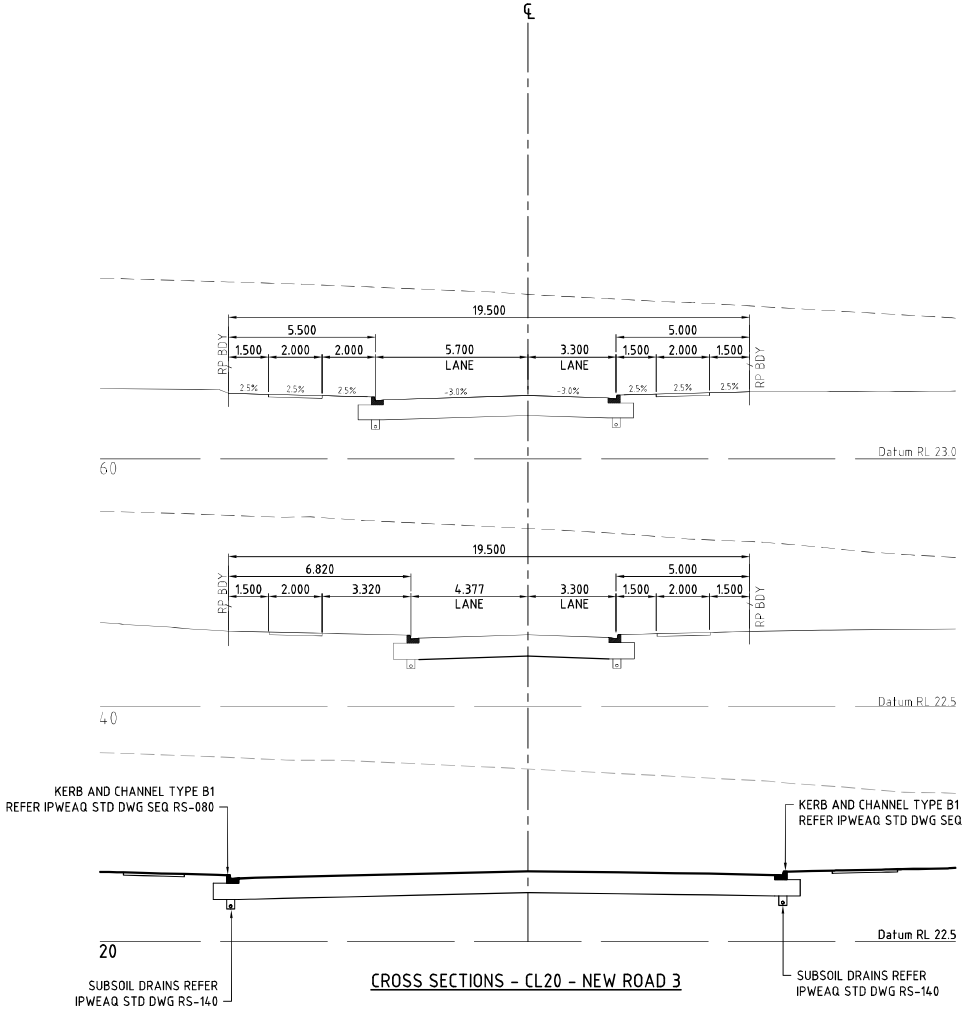
M:\2024\24283\Rivermont P2 EMW District Collector\Engineering\Acad\24-283-10-23-RD-LONG-CROSS.dwg Plotted by: DF on 29/05/2026 3:38:32 PM

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government



CROSS SECTIONS - CL20 - NEW ROAD 3

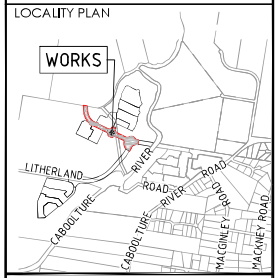
SCALE 1 0.5 0 1 2 3 4 5 6 7 8 9 10m

1 : 100 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	DF

Client: Stockland

Project: RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:04 +10'00'

Drawing Title: ROADWORKS CROSS SECTIONS ROAD 20

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY '26

Scale	Sheet
AS SHOWN	21 of 65

	Drawing No	Revision
A1	24-283-21	B

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NOMINAL PAVEMENT DETAILS

DISTRICT COLLECTOR

50mm ASPHALTIC CONCRETE
5mm PRIMER SEAL
130mm BASE COURSE (TYPE 2.1, CBR 80)
130mm UPPER SUB-BASE COURSE (TYPE 2.3, CBR 45)
200mm UPPER SUB-BASE COURSE (TYPE 2.5, CBR 15)
300mm SUBGRADE REPLACEMENT(TYPE 2.5, CBR 15)
DESIGN ESA = 8 X 10^5
DESIGN IN-SITU CBR = 3

Refer to pavement design condition.

AMENDED IN RED

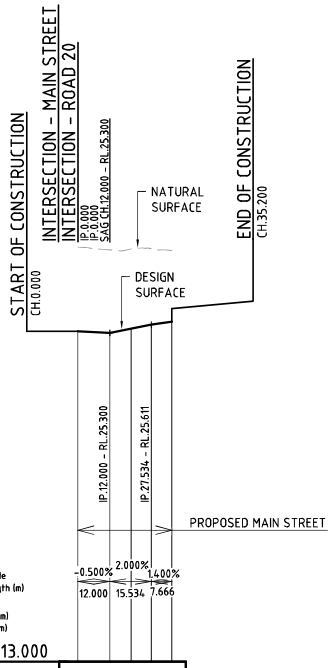
By: Justin Lee
Date: 29/06/2026

Queensland Government

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894
Date: 03/07/2026

Queensland Government



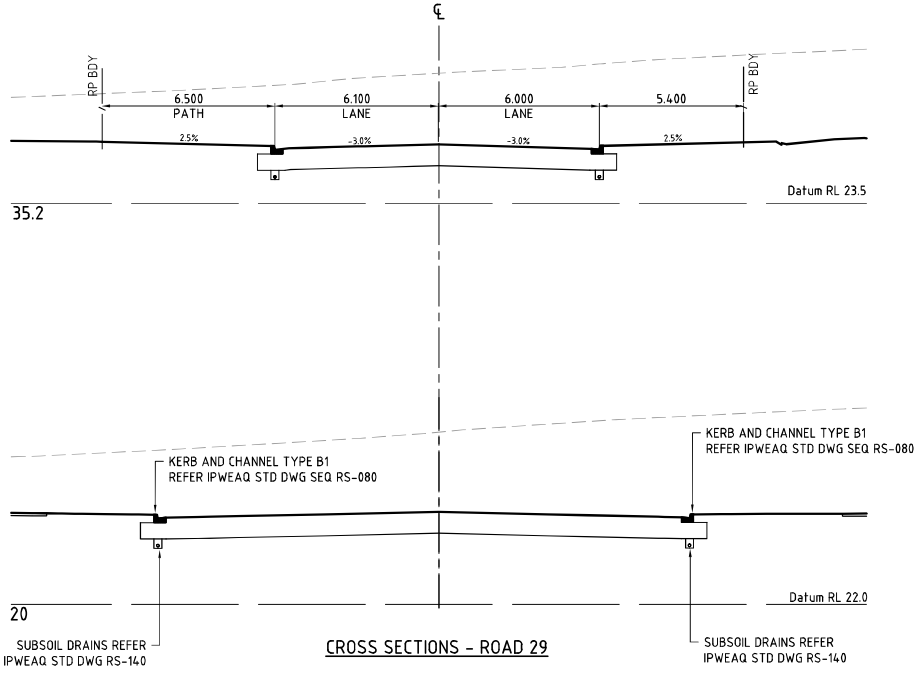
DATUM R.L.13.000

LIP OF KERB LHS	*					
LIP OF KERB RHS						
NATURAL SURFACE	28.516	28.406	28.443	28.451	28.374	
CUT/FILL DEPTH	-3.156	-3.106	-2.983	-2.840	-2.656	
DESIGN SURFACE	25.360	25.300	25.460	25.611	25.718	
PEGGED CHAINAGE	0.000	12.000	20.000	27.534	35.200	

Horiz Curve Data

LONGITUDINAL SECTION - ROAD 29

SCALE - 1:1000 (H)
1:100 (V)



CROSS SECTIONS - ROAD 29

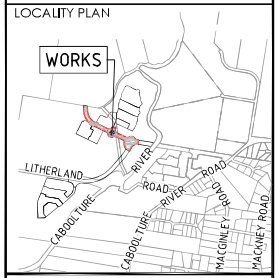
SCALE A 1:1000 (Horiz.) 10 5 0 10 20 30 40 50 60 70 80 90 100m
B 1:100 (Vert.) 1 0.5 0 1 2 3 4 5 6 7 8 9 10m
(A1 UNREDUCED)

* REFER INTERSECTION DETAILS ON KN DWG 24-283-25.

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	DF

Client: Stockland

Project: RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
M. Shaw
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:05 +10'00'

Drawing Title: ROADWORKS LONG AND CROSS SECTIONS ROAD 29

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale: AS SHOWN
Sheet: 22 of 65
A1
Drawing No: 24-283-22
Revision: B

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NOMINAL PAVEMENT DETAILS
MODIFIED CONTEMPORARY RESIDENTIAL
50mm ASPHALTIC CONCRETE
5mm PRIMER SEAL
100mm BASE COURSE (TYPE 2.1, CBR 80)
100mm UPPER SUB-BASE COURSE (TYPE 2.3, CBR 45)
200mm LOWER SUB-BASE COURSE (TYPE 2.5, CBR 15)
SUBGRADE REPLACEMENT 300mm (TYPE 2.5, CBR 15)
DESIGN ESA = 3 X 10^5
DESIGN IN-SITU CBR = 3

Refer to pavement design condition.

AMENDED IN RED

By: Justin Lee

Date: 29/06/2026

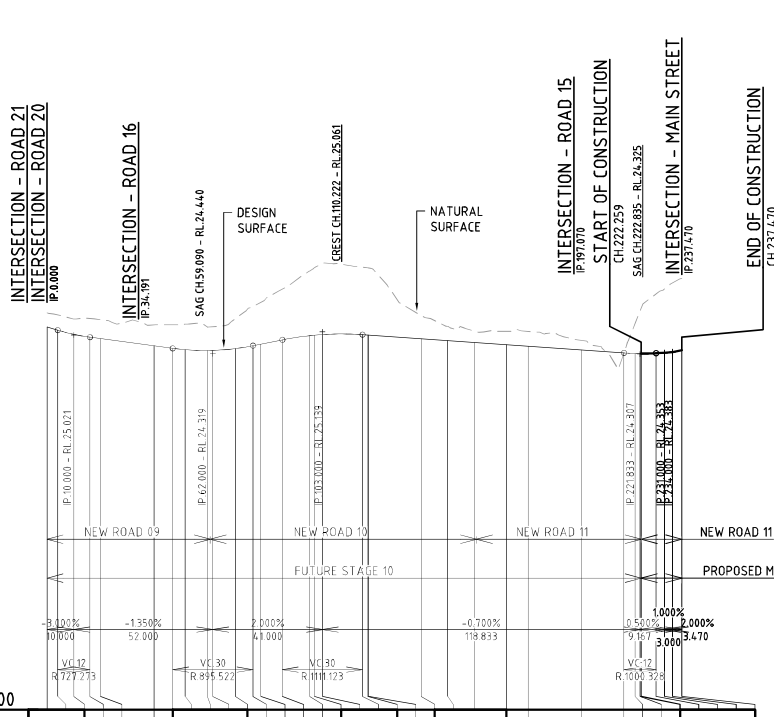
Queensland Government

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government



DATUM R.L.11.000

| | | |

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
379	8448.463	11868.080	24.106
380	8444.652	11871.825	24.079
381	8441.015	11875.738	24.052
382	8437.557	11879.811	24.024
383	8434.286	11884.035	23.998
384	8431.209	11888.403	23.971
385	8428.332	11892.905	23.945
386	8426.652	11895.266	23.938
387	8424.654	11897.364	23.940
388	8422.377	11899.156	23.953
389	8419.868	11900.606	23.974
390	8415.470	11903.881	24.016
391	8412.579	11908.541	24.057
392	8411.596	11913.936	24.099
393	8412.660	11919.316	24.141
394	8415.621	11923.932	24.182
395	8420.068	11927.141	24.205
396	8425.381	11928.497	24.195
397	8430.822	11927.812	24.152
398	8435.633	11925.179	24.104
399	8439.145	11920.967	24.054
400	8440.868	11915.761	24.005
401	8440.563	11910.286	23.957
402	8439.700	11905.514	23.915
403	8439.454	11900.672	23.885
404	8439.830	11895.838	23.877
405	8440.822	11891.092	23.890
406	8442.414	11886.512	23.924
407	8444.578	11882.173	23.970
408	8447.280	11878.147	24.017
409	8450.476	11874.500	24.063

SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
410	8426.296	11907.826	24.293
411	8422.053	11909.583	24.293
412	8420.296	11913.826	24.293
413	8422.053	11918.068	24.293
414	8426.296	11919.826	24.293
415	8430.539	11918.068	24.293
416	8432.296	11913.826	24.293
417	8430.539	11909.583	24.293

SETOUT TABLE

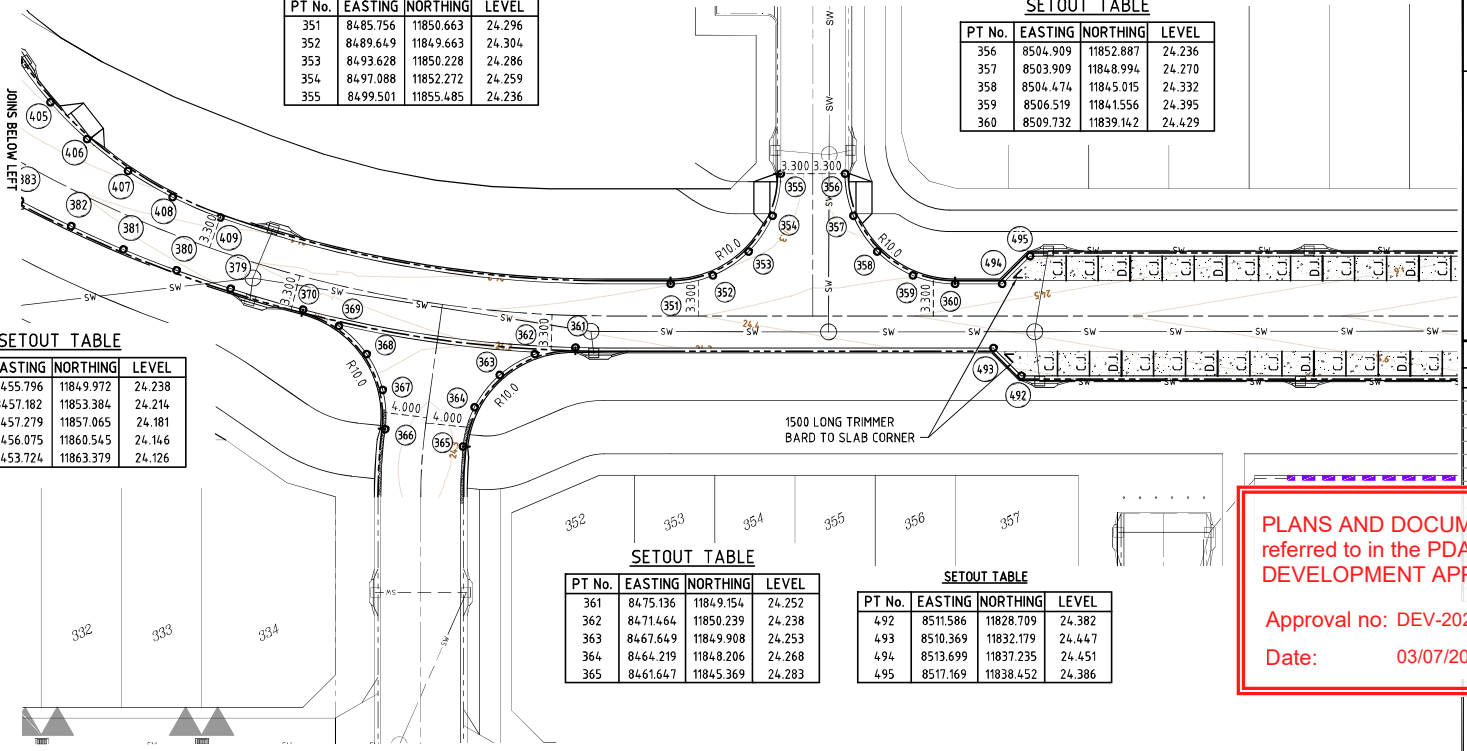
PT No.	EASTING	NORTHING	LEVEL
351	8485.756	11850.663	24.296
352	8489.649	11849.663	24.304
353	8493.628	11850.228	24.286
354	8497.088	11852.272	24.259
355	8499.501	11855.485	24.236

SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
356	8504.909	11852.887	24.236
357	8503.909	11848.994	24.270
358	8504.474	11845.015	24.332
359	8506.519	11841.556	24.395
360	8509.732	11839.142	24.429

SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
366	8455.796	11849.972	24.238
367	8457.182	11853.384	24.214
368	8457.279	11857.065	24.181
369	8456.075	11860.545	24.146
370	8453.724	11863.379	24.126



SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
361	8475.136	11849.154	24.252
362	8471.464	11850.239	24.238
363	8467.649	11849.908	24.253
364	8464.219	11848.206	24.268
365	8461.647	11845.369	24.283

SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
492	8511.586	11828.709	24.382
493	8510.369	11832.179	24.447
494	8513.699	11837.235	24.451
495	8517.169	11838.452	24.386

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

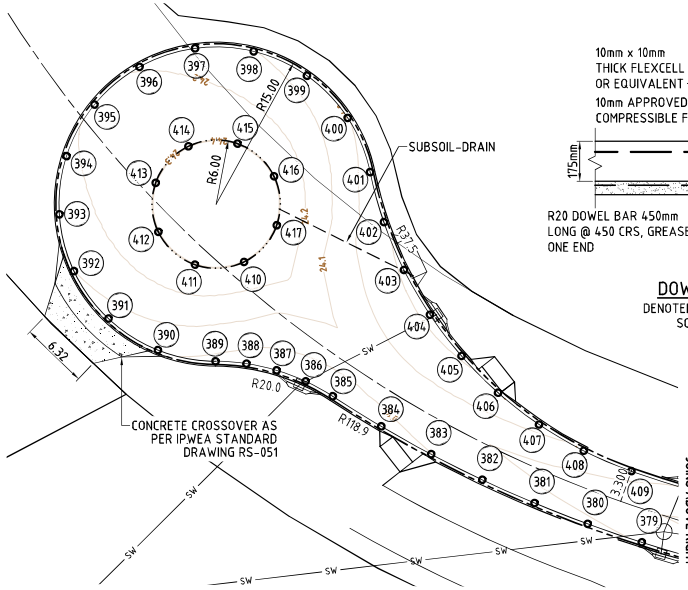
Approval no: DEV-2026-WAR-4894

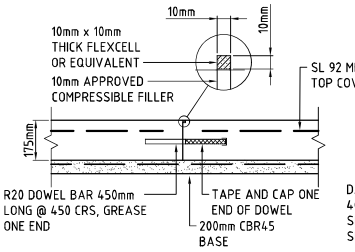
Date: 03/07/2026

Queensland Government

INTERSECTION DETAIL -MAIN STREET

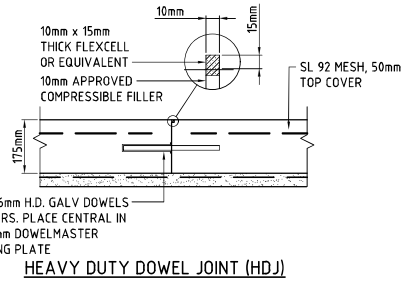
SCALE 1:250





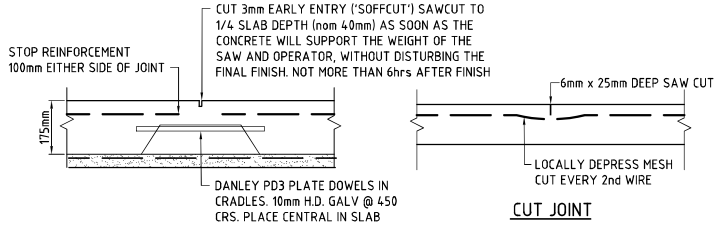
DOWEL JOINT

DENOTED 'DJ' ON PLAN
SCALE 1:10



HEAVY DUTY DOWEL JOINT (HDJ)

DENOTED 'HDJ' ON PLAN
SCALE 1:10



HEAVY DUTY SOFFCUT DOWELLED JOINT (SDJ)

DENOTED 'SDJ' ON
PLAN

CUT JOINT

DENOTED 'CJ' ON PLAN
SCALE 1:10

GENERAL NOTES

1. SETOUT POINTS ARE GIVEN AT KERB LIP LEVELS.
2. KERB LIP LEVELS ARE GIVEN AT QUARTER POINTS, TP'S AND EQUAL PARTS U.N.O.
3. KERB OFFSETS ARE GIVEN TO THE KERB FACE.
4. KERB RADII ARE GIVEN TO THE KERB LIP
5. EXTRA DETAIL FOR SETTING OUT IS AVAILABE ON CAD FILE.

CONCRETE ROAD

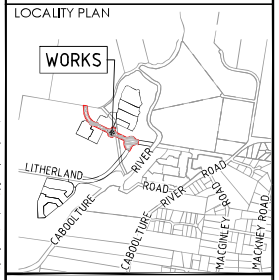
LEGEND

- PROPOSED ROAD CENTERLINE
- INVERT CHANNEL
- M3 MOUNTABLE KERB AND CHANNEL
- B1 BARRIER KERB AND CHANNEL (300)
- B2 BARRIER KERB ONLY
- SEMI-MOUNTABLE KERB ONLY (TYPE SM3)
- SEMI-MOUNTABLE KERB (TYPE SM5)
- PROPOSED BITUMEN EDGE
- 3.5 FINISHED SURFACE CONTOURS
- -3.000- OFFSET TO KERB FACE
- EXISTING FENCE

SCALE 1 : 10 (A1 UNREDUCED)

SCALE 1 : 250 (A1 UNREDUCED)

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client: Stockland

Project: RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:06 +10'00'

Drawing Title: ROADWORKS INTERSECTION DETAILS SHEET 1

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	24 of 65

A1	Drawing No: 24-283-24	Revision: B

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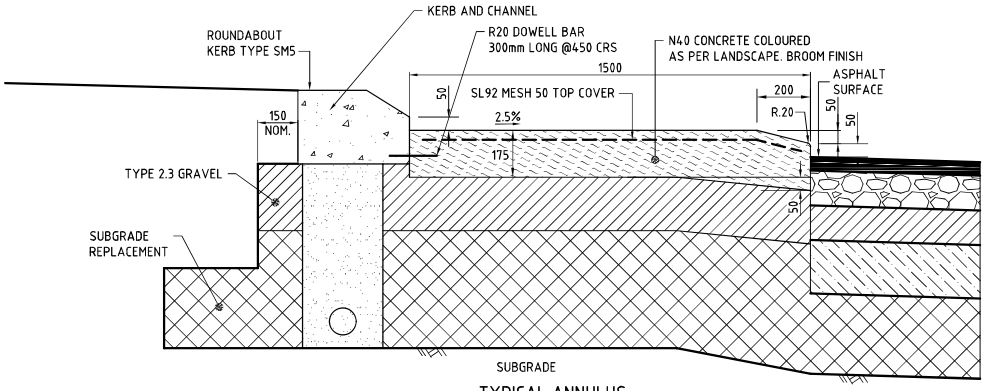


GENERAL NOTES

1. SETOUT POINTS ARE GIVEN AT KERB LIP LEVELS.
2. KERB LIP LEVELS ARE GIVEN AT QUARTER POINTS, TP'S AND EQUAL PARTS U.N.O.
3. KERB OFFSETS ARE GIVEN TO THE KERB FACE.
4. KERB RADII ARE GIVEN TO THE KERB LIP
5. EXTRA DETAIL FOR SETTING OUT IS AVAILABE ON CAD FILE.

CONCRETE ROAD

NOTE
CRACKER JOINTS TO BE PROVIDED AROUND ANNULAS @ 2.0m CTRS

LEGEND

- PROPOSED ROAD CENTERLINE
- INVERT CHANNEL
- M3 MOUNTABLE KERB AND CHANNEL
- B1 BARRIER KERB AND CHANNEL (300)
- B2 BARRIER KERB ONLY
- SEMI-MOUNTABLE KERB ONLY (TYPE SM8)
- SEMI-MOUNTABLE KERB (TYPE SM5)
- 3.5 FINISHED SURFACE CONTOURS
- 3.000 OFFSET TO KERB FACE

TYPICAL ANNULUS ROUNDABOUT INTERSECTION DETAIL

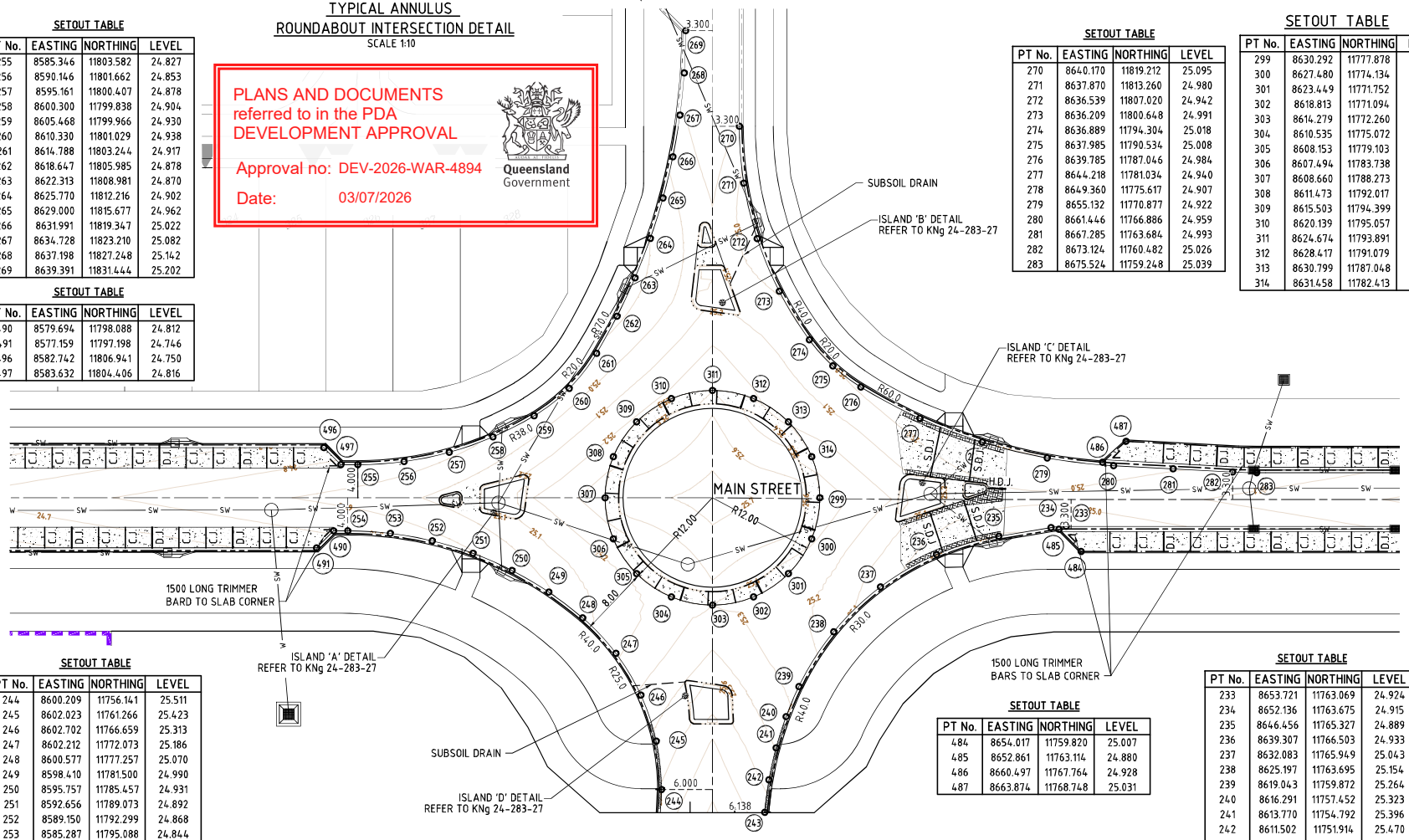
SCALE 1:10

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government



INTERSECTION DETAIL -MAIN STREET

SCALE 1:250

SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
255	8585.346	11803.582	24.827
256	8590.146	11801.662	24.853
257	8595.161	11800.407	24.878
258	8600.300	11799.838	24.904
259	8605.468	11799.966	24.930
260	8610.330	11801.029	24.938
261	8614.788	11803.244	24.917
262	8618.647	11805.985	24.878
263	8622.313	11808.981	24.870
264	8625.770	11812.216	24.902
265	8629.000	11815.677	24.962
266	8631.991	11819.347	25.022
267	8634.728	11823.210	25.082
268	8637.198	11827.248	25.142
269	8639.391	11831.444	25.202

SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
490	8579.694	11798.088	24.812
491	8577.159	11797.198	24.746
496	8582.742	11806.941	24.750
497	8583.632	11804.406	24.816

SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
244	8600.209	11756.141	25.511
245	8602.023	11761.266	25.423
246	8602.702	11766.659	25.313
247	8602.212	11772.073	25.186
248	8600.577	11777.257	25.070
249	8598.410	11781.500	24.990
250	8595.757	11785.457	24.931
251	8592.656	11789.073	24.892
252	8589.150	11792.299	24.868
253	8585.287	11795.088	24.844
254	8581.123	11797.401	24.820

SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
270	8640.170	11819.212	25.095
271	8637.870	11813.260	24.980
272	8636.539	11807.020	24.942
273	8636.209	11800.648	24.991
274	8636.889	11794.304	25.018
275	8637.985	11790.534	25.008
276	8639.785	11787.046	24.984
277	8644.218	11781.034	24.940
278	8649.360	11775.617	24.907
279	8655.132	11770.877	24.922
280	8661.446	11766.886	24.959
281	8667.285	11763.684	24.993
282	8673.124	11760.482	25.026
283	8675.524	11759.248	25.039

SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
299	8630.292	11777.878	25.358
300	8627.480	11774.134	25.314
301	8623.449	11771.752	25.271
302	8618.813	11771.094	25.264
303	8614.279	11772.260	25.300
304	8610.535	11775.072	25.230
305	8608.153	11779.103	25.220
306	8607.494	11783.738	25.268
307	8608.660	11788.273	25.360
308	8611.473	11792.017	25.268
309	8615.503	11794.399	25.220
310	8620.139	11795.057	25.230
311	8624.674	11793.891	25.300
312	8628.417	11791.079	25.212
313	8630.799	11787.048	25.195
314	8631.458	11782.413	25.264

SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
484	8654.017	11759.820	25.007
485	8652.861	11763.114	24.880
486	8660.497	11767.764	24.928
487	8663.874	11768.748	25.031

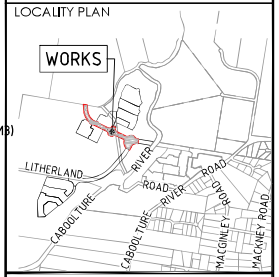
SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
233	8653.721	11763.069	24.924
234	8652.136	11763.675	24.915
235	8646.456	11765.327	24.889
236	8639.307	11766.503	24.933
237	8632.083	11765.949	25.043
238	8625.197	11763.695	25.154
239	8619.043	11759.872	25.264
240	8616.291	11757.452	25.323
241	8613.770	11754.792	25.396
242	8611.502	11751.914	25.470
243	8609.504	11748.842	25.543

SCALE 1 : 250 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING IF IN DOUBT - ASK!

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client: Stockland

Project: RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
M. Shaw
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:07 +10'00'

Drawing Title: ROADWORKS INTERSECTION DETAILS SHEET 2

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	25 of 65

A1	Drawing No	Revision
	24-283-25	B

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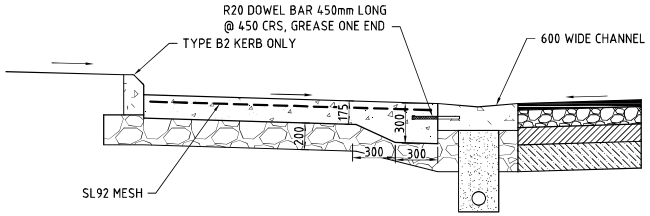
SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
39	8719.786	11737.978	25.285
40	8725.353	11735.860	25.333
41	8731.196	11734.709	25.416
42	8737.150	11734.556	25.536
43	8743.045	11735.406	25.684
44	8748.713	11737.235	25.834
45	8753.992	11739.991	25.984
46	8754.685	11740.765	26.011
47	8759.293	11742.927	26.144
48	8764.216	11744.220	26.268
49	8769.291	11744.600	26.402
50	8774.352	11744.055	26.535
51	8779.230	11742.603	26.626
52	8783.765	11740.292	26.644
53	8787.806	11737.198	26.589
54	8791.221	11733.424	26.444
55	8794.783	11729.037	26.251
56	8798.666	11724.931	26.059
57	8802.847	11721.130	25.880
58	8807.302	11717.653	25.723
59	8812.006	11714.522	25.588
60	8816.933	11711.754	25.472
61	8822.263	11709.277	25.355
62	8827.771	11707.225	25.240
63	8833.422	11705.611	25.186
64	8839.183	11704.444	25.206



MAIN STREET PARKING BAY INTERFACE
SCALE 1:10

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

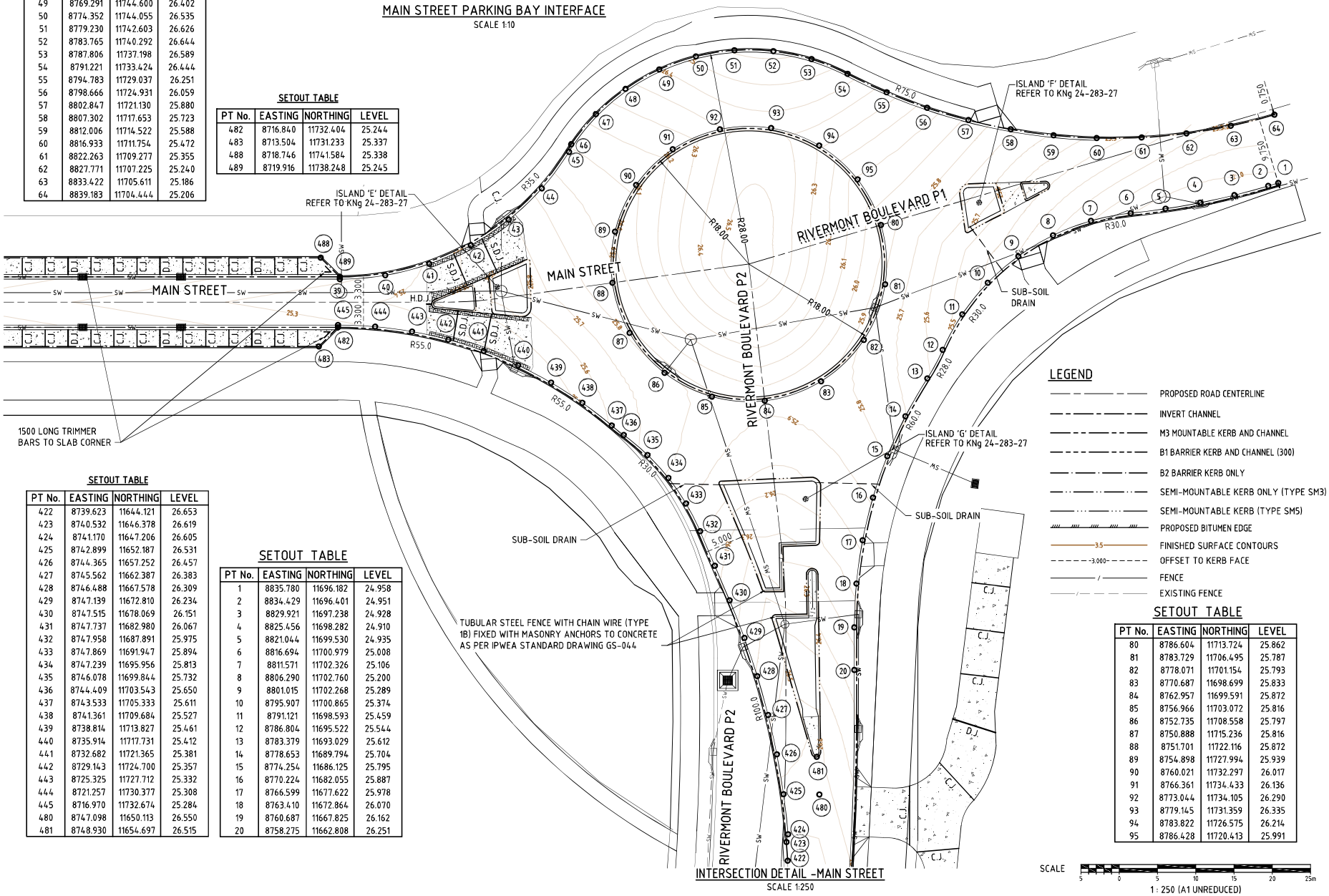
GENERAL NOTES

1. SETOUT POINTS ARE GIVEN AT KERB LIP LEVELS.
2. KERB LIP LEVELS ARE GIVEN AT QUARTER POINTS, TP'S AND EQUAL PARTS U.N.O.
3. KERB OFFSETS ARE GIVEN TO THE KERB FACE.
4. KERB RADII ARE GIVEN TO THE KERB LIP
5. EXTRA DETAIL FOR SETTING OUT IS AVAILABE ON CAD FILE.

CONCRETE ROAD

SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
482	8716.840	11732.404	25.244
483	8713.504	11731.233	25.337
488	8718.746	11741.584	25.338
489	8719.916	11738.248	25.245



SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
422	8739.623	11644.121	26.653
423	8740.532	11646.378	26.619
424	8741.170	11647.206	26.605
425	8742.899	11652.187	26.531
426	8744.365	11657.252	26.457
427	8745.562	11662.387	26.383
428	8746.488	11667.578	26.309
429	8747.139	11672.810	26.234
430	8747.515	11678.069	26.151
431	8747.737	11682.980	26.067
432	8747.958	11687.891	25.975
433	8747.869	11691.947	25.894
434	8747.239	11695.956	25.813
435	8746.078	11699.844	25.732
436	8744.409	11703.543	25.650
437	8743.533	11705.333	25.611
438	8741.361	11709.684	25.527
439	8738.814	11713.827	25.461
440	8735.914	11717.731	25.412
441	8732.682	11721.365	25.381
442	8729.143	11724.700	25.357
443	8725.325	11727.712	25.332
444	8721.257	11730.377	25.308
445	8716.970	11732.674	25.284
480	8747.098	11650.113	26.550
481	8748.930	11654.697	26.515

SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
1	8835.780	11696.182	24.958
2	8834.429	11696.401	24.951
3	8829.921	11697.238	24.928
4	8825.456	11698.282	24.910
5	8821.044	11699.530	24.935
6	8816.694	11700.979	25.008
7	8811.571	11702.326	25.106
8	8806.290	11702.760	25.200
9	8801.015	11702.268	25.289
10	8795.907	11700.865	25.374
11	8791.121	11698.593	25.459
12	8786.804	11695.522	25.544
13	8783.379	11693.029	25.612
14	8778.653	11689.794	25.704
15	8774.254	11686.125	25.795
16	8770.224	11682.055	25.887
17	8766.599	11677.622	25.978
18	8763.410	11672.864	26.070
19	8760.687	11667.825	26.162
20	8758.275	11662.808	26.251

LEGEND

- PROPOSED ROAD CENTERLINE
- INVERT CHANNEL
- M3 MOUNTABLE KERB AND CHANNEL
- B1 BARRIER KERB AND CHANNEL (300)
- B2 BARRIER KERB ONLY
- SEMI-MOUNTABLE KERB ONLY (TYPE SM3)
- SEMI-MOUNTABLE KERB (TYPE SM5)
- PROPOSED BITUMEN EDGE
- FINISHED SURFACE CONTOURS (3.5)
- OFFSET TO KERB FACE (-3.000-)
- FENCE
- EXISTING FENCE

SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
80	8786.604	11713.724	25.862
81	8783.729	11706.495	25.787
82	8778.071	11701.154	25.793
83	8770.687	11698.699	25.833
84	8762.957	11699.591	25.872
85	8756.966	11703.072	25.816
86	8752.735	11708.558	25.797
87	8750.888	11715.236	25.816
88	8751.701	11722.116	25.872
89	8754.898	11727.994	25.939
90	8760.021	11732.297	26.017
91	8766.361	11734.433	26.136
92	8773.044	11734.105	26.290
93	8779.145	11731.359	26.335
94	8783.822	11726.575	26.214
95	8786.428	11720.413	25.991

INTERSECTION DETAIL -MAIN STREET
SCALE 1:250

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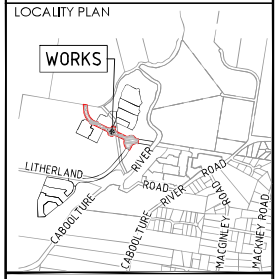
DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client: Stockland

Project: RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:08+10'00'

Drawing Title: ROADWORKS INTERSECTION DETAILS SHEET 3

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	26 of 65

Drawing No	Revision
24-283-26	B

A1

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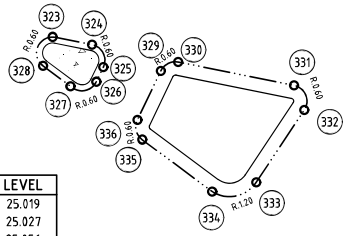
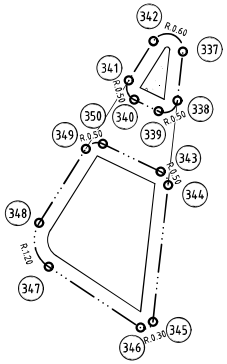


ISLAND DETAIL 'A' - MAIN STREET
SCALE 1:100

SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
323	8592.514	11796.393	25.019
324	8593.851	11796.123	25.027
325	8594.274	11795.275	25.056
326	8594.013	11794.734	25.043
327	8593.114	11794.512	25.015
328	8592.017	11795.328	25.004
329	8596.428	11795.142	25.062
330	8597.088	11795.470	25.051
331	8601.411	11794.598	25.097
332	8601.792	11793.678	25.132
333	8599.993	11790.971	25.145
334	8598.277	11790.672	25.087
335	8595.730	11792.567	25.046
336	8595.547	11793.308	25.056



SETOUT TABLE

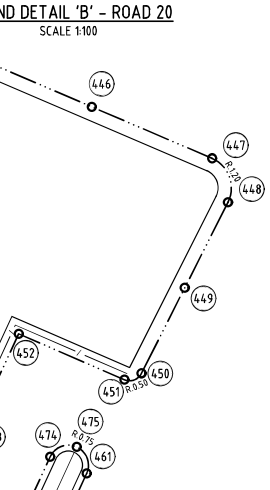
PT No.	EASTING	NORTHING	LEVEL
337	8632.393	11810.610	25.082
338	8632.189	11808.770	25.076
339	8631.475	11808.374	25.081
340	8630.572	11808.809	25.055
341	8630.365	11809.525	25.043
342	8631.289	11810.995	25.052
343	8631.557	11806.116	25.067
344	8631.838	11805.610	25.057
345	8631.270	11800.497	25.086
346	8630.806	11800.280	25.097
347	8627.370	11802.560	25.090
348	8627.017	11804.199	25.049
349	8628.758	11806.969	25.037
350	8629.398	11807.154	25.049

LEGEND

- PROPOSED ROAD CENTERLINE
- INVERT CHANNEL
- M3 MOUNTABLE KERB AND CHANNEL
- B1 BARRIER KERB AND CHANNEL (300)
- B2 BARRIER KERB ONLY
- SEMI-MOUNTABLE KERB ONLY (TYPE SM3)
- SEMI-MOUNTABLE KERB (TYPE SM5)
- PROPOSED BITUMEN EDGE
- 35 FINISHED SURFACE CONTOURS
- -3.000- OFFSET TO KERB FACE

GENERAL NOTES

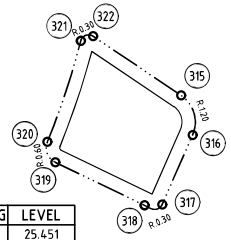
1. SETOUT POINTS ARE GIVEN AT KERB LIP LEVELS.
2. KERB LIP LEVELS ARE GIVEN AT QUARTER POINTS, TP'S AND EQUAL PARTS U.N.O.
3. KERB OFFSETS ARE GIVEN TO THE KERB FACE.
4. KERB RADII ARE GIVEN TO THE KERB LIP
5. EXTRA DETAIL FOR SETTING OUT IS AVAILABE ON CAD FILE.



ISLAND DETAIL 'B' - ROAD 20
SCALE 1:100

SETOUT TABLE

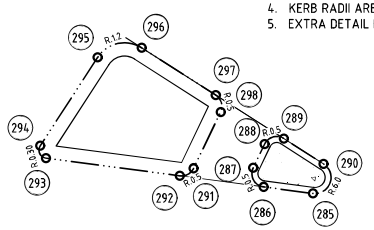
PT No.	EASTING	NORTHING	LEVEL
446	8759.605	11689.887	26.022
447	8764.100	11687.959	25.993
448	8764.699	11686.316	25.990
449	8763.082	11683.114	26.048
450	8761.466	11679.911	26.106
451	8760.820	11679.678	26.116
452	8756.870	11681.393	26.173
453	8754.399	11676.040	26.251
454	8752.259	11677.028	26.283
455	8751.972	11677.535	26.291
456	8752.305	11681.188	26.219
457	8752.526	11684.850	26.146
458	8752.694	11688.593	26.040
459	8752.863	11692.337	25.935
460	8753.281	11692.599	25.946



ISLAND DETAIL 'D' - ROAD 29
SCALE 1:100

SETOUT TABLE

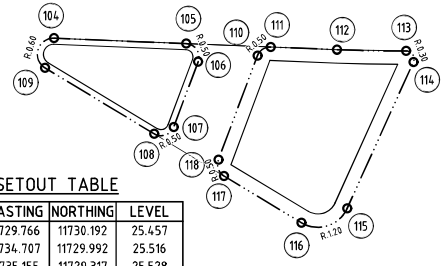
PT No.	EASTING	NORTHING	LEVEL
315	8611.464	11763.639	25.451
316	8611.893	11762.162	25.445
317	8610.753	11759.558	25.492
318	8610.348	11759.408	25.507
319	8606.758	11761.137	25.512
320	8606.463	11761.903	25.485
321	8607.710	11765.683	25.403
322	8608.168	11765.857	25.406



ISLAND DETAIL 'C' - MAIN STREET
SCALE 1:100

SETOUT TABLE

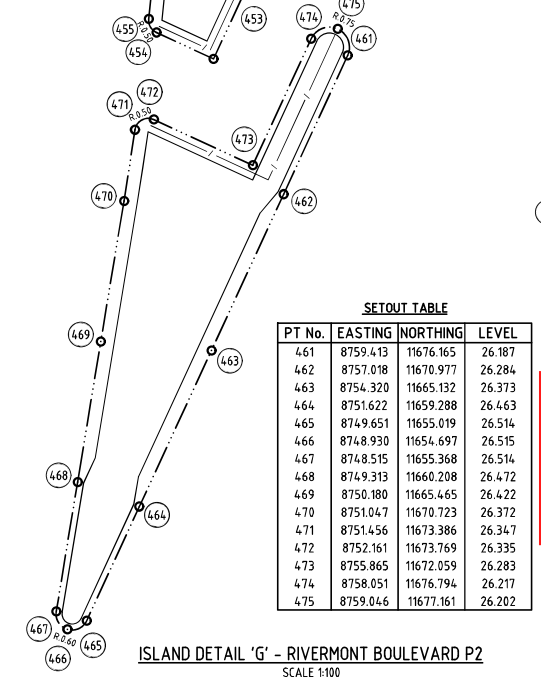
PT No.	EASTING	NORTHING	LEVEL
285	8647.103	11770.313	25.031
286	8645.253	11770.557	25.062
287	8644.868	11771.270	25.057
288	8645.296	11772.159	25.032
289	8646.015	11772.364	25.014
290	8647.504	11771.413	25.003
291	8642.640	11771.250	25.080
292	8642.124	11770.971	25.069
293	8637.117	11771.633	25.120
294	8636.905	11772.093	25.136
295	8639.048	11775.399	25.139
296	8640.700	11775.758	25.088
297	8643.468	11773.990	25.043
298	8643.650	11773.352	25.049



ISLAND DETAIL 'E' - MAIN STREET
SCALE 1:100

SETOUT TABLE

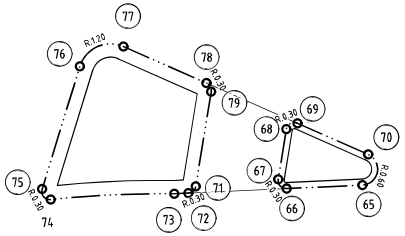
PT No.	EASTING	NORTHING	LEVEL
104	8729.766	11730.192	25.457
105	8734.707	11729.992	25.516
106	8735.155	11729.317	25.528
107	8734.237	11726.869	25.507
108	8733.510	11726.617	25.486
109	8729.431	11729.079	25.440
110	8737.375	11729.540	25.566
111	8737.864	11729.864	25.573
112	8740.350	11729.763	25.626
113	8742.931	11729.719	25.685
114	8743.206	11729.295	25.691
115	8740.732	11723.825	25.617
116	8739.018	11723.292	25.566
117	8736.123	11725.040	25.520
118	8735.913	11725.644	25.525



ISLAND DETAIL 'G' - RIVERMONT BOULEVARD P2
SCALE 1:100

SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
461	8759.413	11676.165	26.187
462	8757.018	11670.977	26.284
463	8754.320	11665.132	26.373
464	8751.622	11659.288	26.463
465	8749.651	11655.019	26.514
466	8748.930	11654.697	26.515
467	8748.515	11655.368	26.514
468	8749.313	11660.208	26.472
469	8750.180	11665.465	26.422
470	8751.047	11670.723	26.372
471	8751.456	11673.386	26.347
472	8752.161	11673.769	26.335
473	8755.865	11672.059	26.283
474	8758.051	11676.794	26.217
475	8759.046	11677.161	26.202



ISLAND DETAIL 'F' - RIVERMONT BOULEVARD P1
SCALE 1:100

SETOUT TABLE

PT No.	EASTING	NORTHING	LEVEL
65	8808.178	11708.444	25.389
66	8805.341	11708.313	25.423
67	8805.031	11708.660	25.437
68	8805.334	11710.530	25.500
69	8805.752	11710.756	25.502
70	8808.393	11709.592	25.429
71	8801.949	11708.394	25.482
72	8801.667	11708.143	25.480
73	8801.141	11708.118	25.488
74	8796.519	11707.905	25.543
75	8796.202	11708.292	25.560
76	8797.613	11712.880	25.688
77	8799.244	11713.626	25.690
78	8802.348	11712.257	25.605
79	8802.523	11711.935	25.593

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

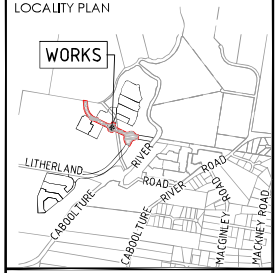
Date: 03/07/2026

Queensland Government

SCALE 1:100 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client: Stockland

Project: RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
M. Shaw
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:08 +10'00'

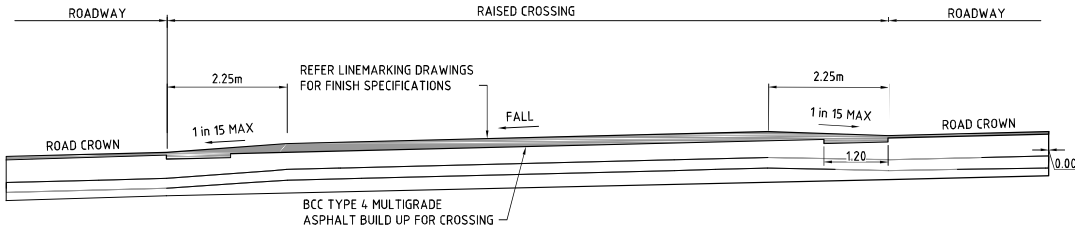
Drawing Title: ROADWORKS INTERSECTION DETAILS SHEET 4

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale: AS SHOWN
Sheet: 27 of 65

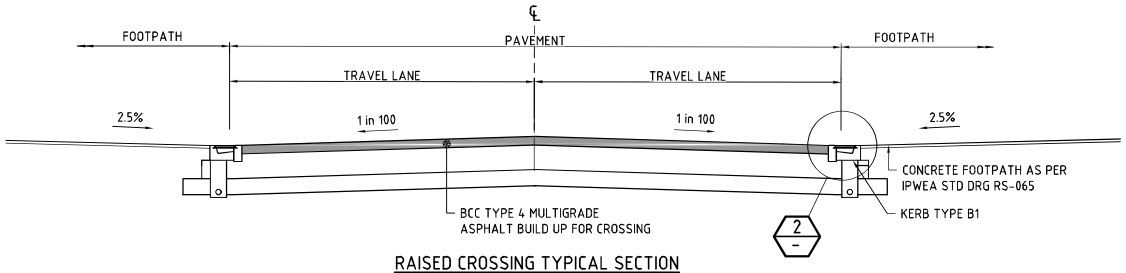
A1 | Drawing No: 24-283-27 | Revision: B

M:\2024\24283 Rivermont P2 EMW District Collection\Engineering\Acad\24-283-24-29-RD-DETAILS.dwg Plotted by: DF on 29/05/2026 3:39:51 PM



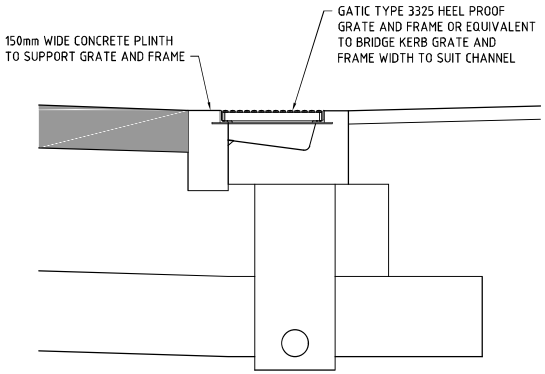
RAISED CROSSING TYPICAL LONGITUDINAL SECTION

SCALE 1:50



RAISED CROSSING TYPICAL SECTION

SCALE 1:50



2 DETAIL

SCALE 1:10

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

SCALE 0.1 0.05 0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0m

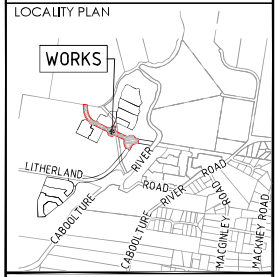
1 : 10 (A1 UNREDUCED)

SCALE 1.0 0.5 0 1.0 2.0 3.0 4.0 5.0m

1 : 50 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client

Stockland

Project

RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

M. Shaw

Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:09 +10'00'

Drawing Title

ROADWORKS
INTERSECTION DETAILS
SHEET 5

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY '26

Scale	Sheet
AS SHOWN	28 of 65

A1	Drawing No	Revision
	24-283-28	B

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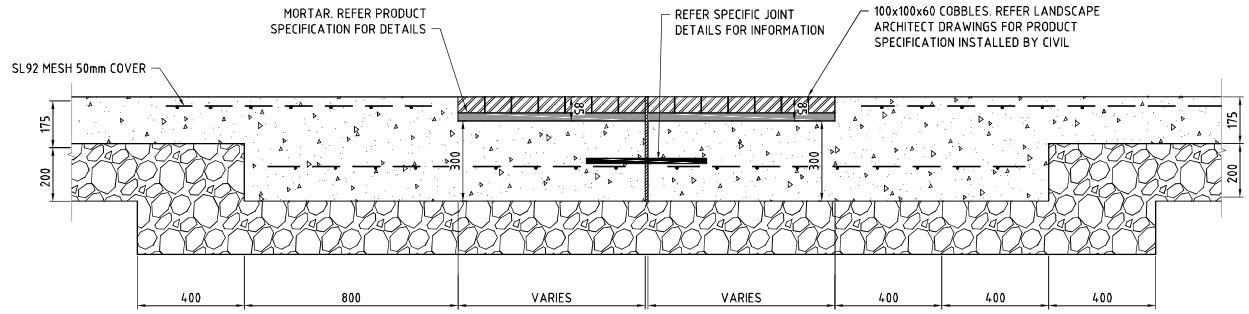
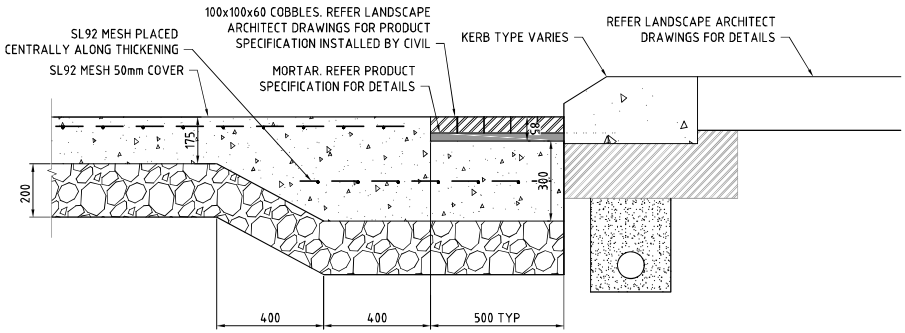


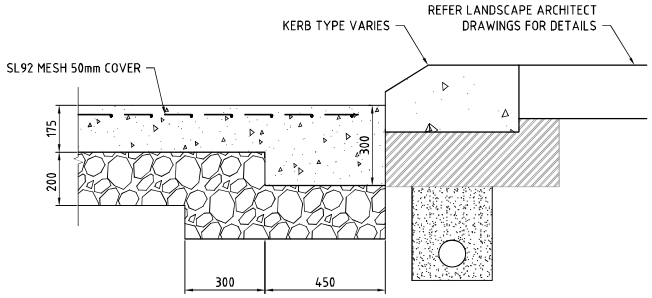
TYPICAL DOWEL JOINT DETAIL WITH PAVERS

SCALE 1:10



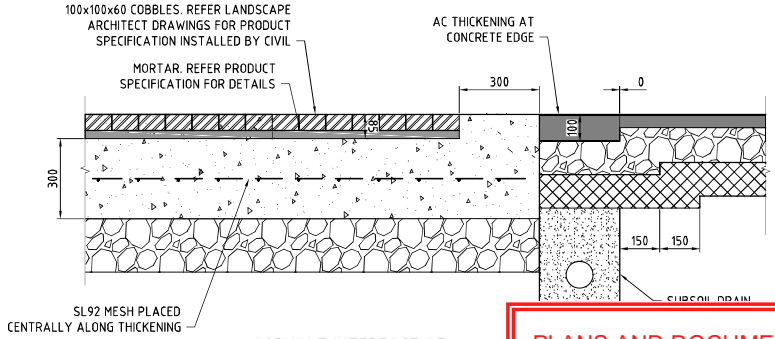
CONCRETE SLAB WITH PAVERS AGAINST KERB

SCALE 1:10



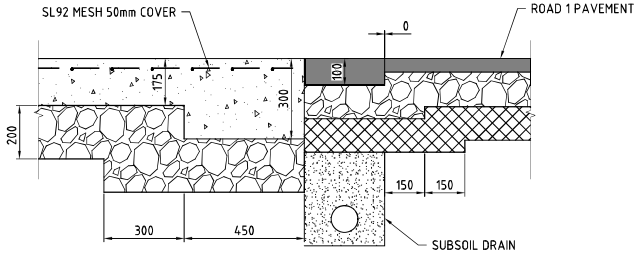
CONCRETE SLAB NO PAVERS AGAINST KERB

SCALE 1:10



ASPHALT INTERFACE AT CONCRETE SLAB WITH PAVERS

SCALE 1:10



ASPHALT INTERFACE AT CONCRETE SLAB

SCALE 1:10

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

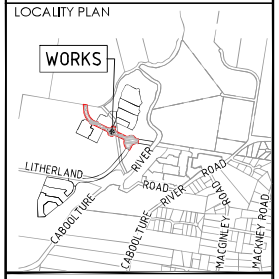
Queensland Government

SCALE 0.1 0.05 0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0m

1 : 10 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING IF IN DOUBT - ASK!

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client: Stockland

Project: RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:10 +10'00'

Drawing Title: ROADWORKS INTERSECTION DETAILS SHEET 6

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	29 of 65

A1	Drawing No	Revision
	24-283-29	B

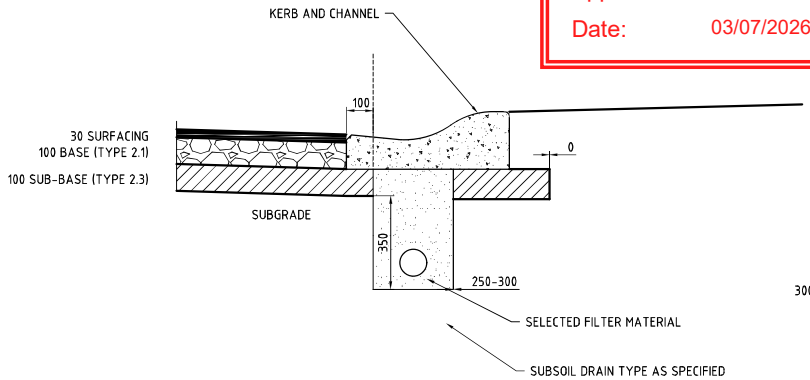
M:\2024\24283 Rivermont P2 EMW District Collector\Engineering\Acad\24-283-24-29-RD-DETAILS.dwg Plotted by: DF on 29/05/2026 3:39:41 PM

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

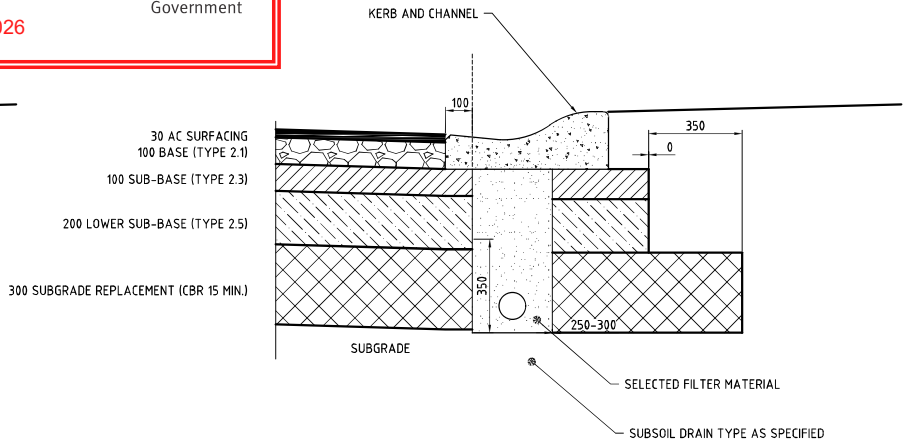
Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

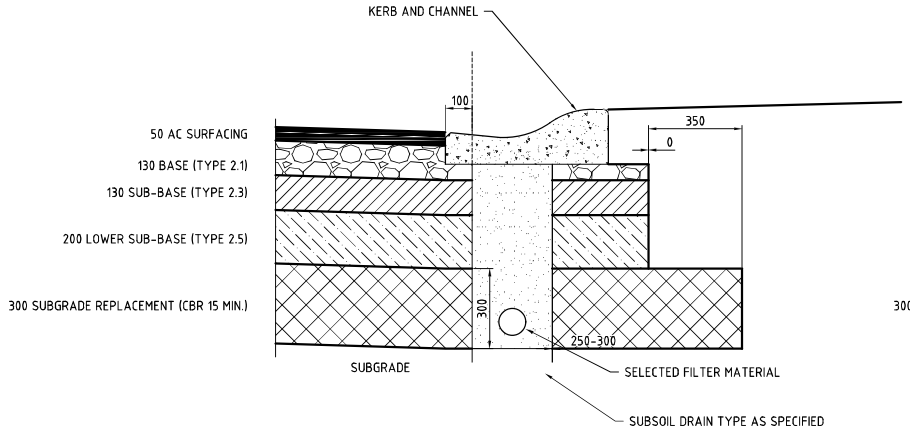
Queensland Government



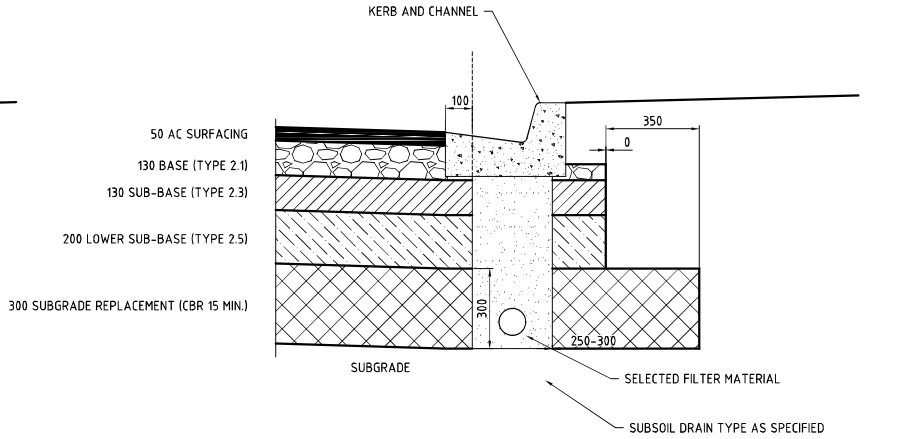
TYPICAL DETAIL SUB-SOIL DRAINAGE
GRATER THAN INSITU CBR 3
SCALE 1:10



TYPICAL SECTION ROADS ESA 1.2x10^5
LESS THAN INSITU CBR 3, SWELLS >5%
SCALE 1:10



TYPICAL SECTION ROADS ESA 8x10^5
LESS THAN INSITU CBR 3, SWELLS >5%
SCALE 1:10

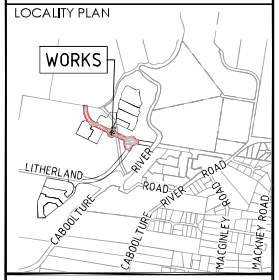


TYPICAL SECTION ROADS ESA 8x10^5
LESS THAN INSITU CBR 3, SWELLS >5%
SCALE 1:10

SCALE 0.1 0.0 0.5 0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0m
1 : 10 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client

Stockland

Project

RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

M. Shaw

Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:11 +10'00'

Drawing Title

ROADWORKS
INTERSECTION DETAILS
SHEET 6

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	29A of 65

	Drawing No	Revision
A1	24-28329A	B

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SIGN NOTES

1. ALL SIGNS TO BE INSTALLED IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES - CURRENT EDITION
2. THE LOCATION OF EXISTING SIGNS ARE INDICATED ON PLAN.
3. THE LOCATIONS OF PROPOSED SIGNS ARE INDICATED ON PLAN.

   ALL SIGNS TO BE INSTALLED WITH THE FOLLOWING MINIMUM CLEARANCES TO EDGE OF SIGN FACE:

NO KERB	- 600mm BEHIND GUIDEPOSTS
BARRIER KERB	- 300mm FROM FACE OF KERB
MOUNTABLE KERB	- 500mm FROM FACE OF KERB.

4. CHECK FOR ALL IN GROUND SERVICES PRIOR TO PLACING SIGN SUPPORTS.
5. SIGN SUPPORT CONSTRUCTION TO BE IN ACCORDANCE WITH MAIN ROADS STANDARD DRAWING 1368 FOR SIGN SUPPORTS AND FOR MULTIPLE SUPPORT. REUSE EXISTING SIGN SUPPORTS WHERE POSSIBLE.
6. EXACT LOCATION OF ALL SIGNS IS TO BE VERIFIED ON SITE WITH THE SUPERINTENDENT PRIOR TO INSTALLATION.

PAVEMENT MARKING NOTES

ALL PAVEMENT MARKING TO BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES - CURRENT EDITION.

OUTLINE MARKINGS, OFFSET 150mm MINIMUM FROM THE KERB FACE SHALL BE PROVIDED AROUND ALL RAISED ISLANDS AND MEDIANS.

WHITE REFLECTIVE PAINT SHALL BE USED FOR ALL LANE AND EDGE LINES, CHEVRONS AND OUTLINE MARKINGS.

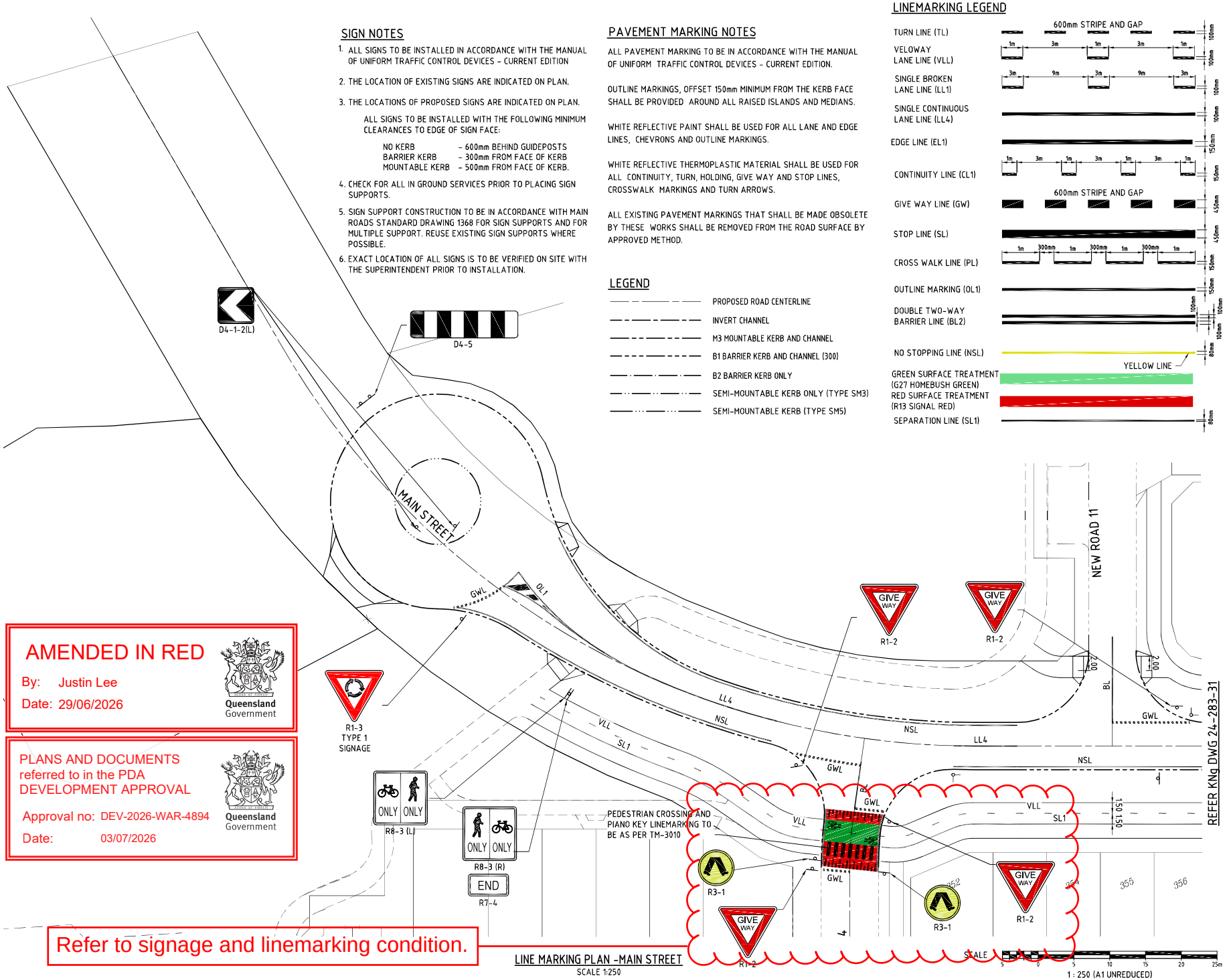
WHITE REFLECTIVE THERMOPLASTIC MATERIAL SHALL BE USED FOR ALL CONTINUITY, TURN, HOLDING, GIVE WAY AND STOP LINES, CROSSWALK MARKINGS AND TURN ARROWS.

ALL EXISTING PAVEMENT MARKINGS THAT SHALL BE MADE OBSOLETE BY THESE WORKS SHALL BE REMOVED FROM THE ROAD SURFACE BY APPROVED METHOD.

LEGEND

- PROPOSED ROAD CENTERLINE
- INVERT CHANNEL
- M3 MOUNTABLE KERB AND CHANNEL
- B1 BARRIER KERB AND CHANNEL (300)
- B2 BARRIER KERB ONLY
- SEMI-MOUNTABLE KERB ONLY (TYPE SM3)
- SEMI-MOUNTABLE KERB (TYPE SM5)

LINEMARKING LEGEND



AMENDED IN RED

By: Justin Lee

Date: 29/06/2026

Queensland Government

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

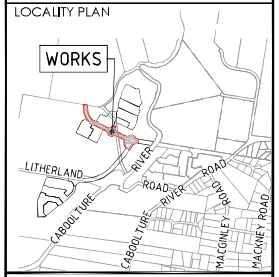
Queensland Government

Refer to signage and linemarking condition.

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client: Stockland

Project: RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

M. Shaw

Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:11 +10'00'

Drawing Title: ROADWORKS SIGNS AND LINEMARKING PLAN SHEET 1

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	30 of 65

A1	Drawing No	Revision
	24-283-30	B

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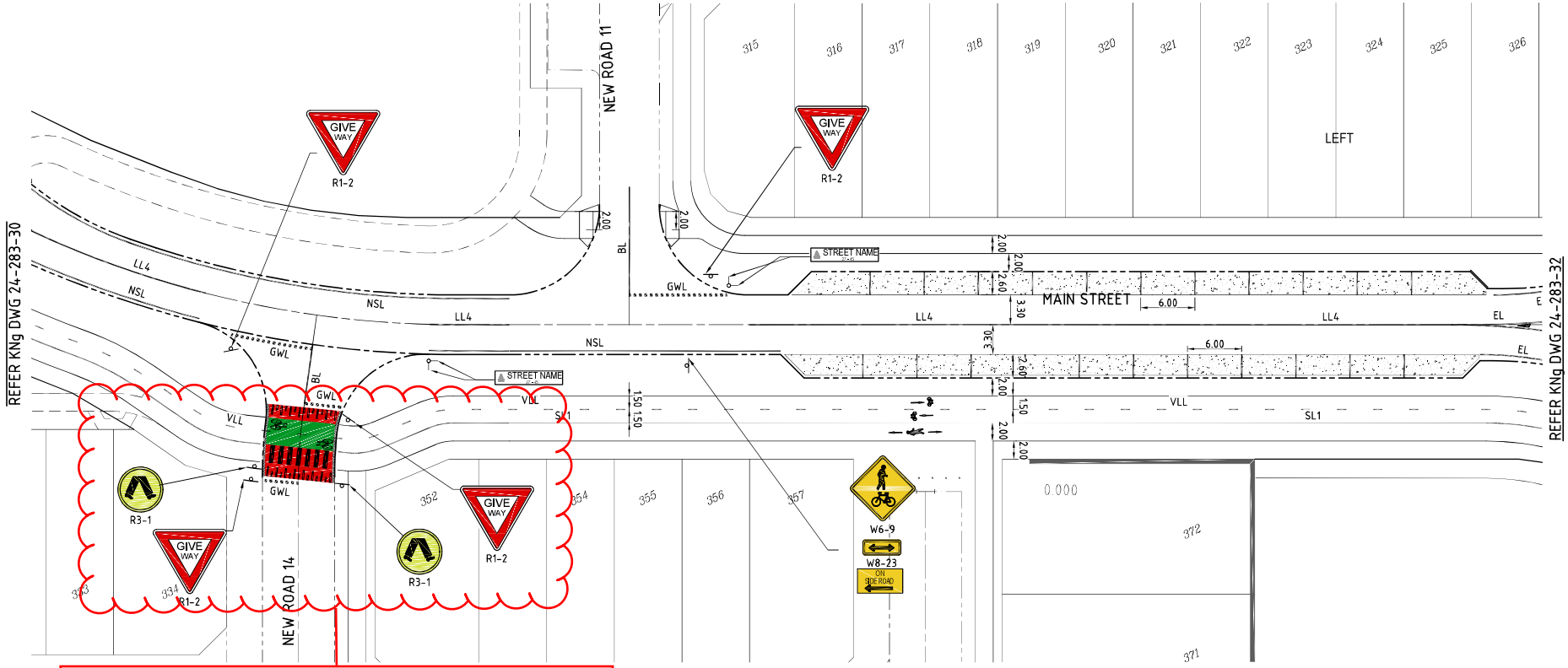

Refer to signage and linemarking condition.

LINE MARKING PLAN -MAIN STREET
SCALE 1:250

SIGN NOTES

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4. CHECK FOR ALL IN GROUND SERVICES PRIOR TO PLACING SIGN SUPPORTS.
5. SIGN SUPPORT CONSTRUCTION TO BE IN ACCORDANCE WITH MAIN ROADS STANDARD DRAWING 1368 FOR SIGN SUPPORTS AND FOR MULTIPLE SUPPORT. REUSE EXISTING SIGN SUPPORTS WHERE POSSIBLE.
6. EXACT LOCATION OF ALL SIGNS IS TO BE VERIFIED ON SITE WITH THE SUPERINTENDENT PRIOR TO INSTALLATION.

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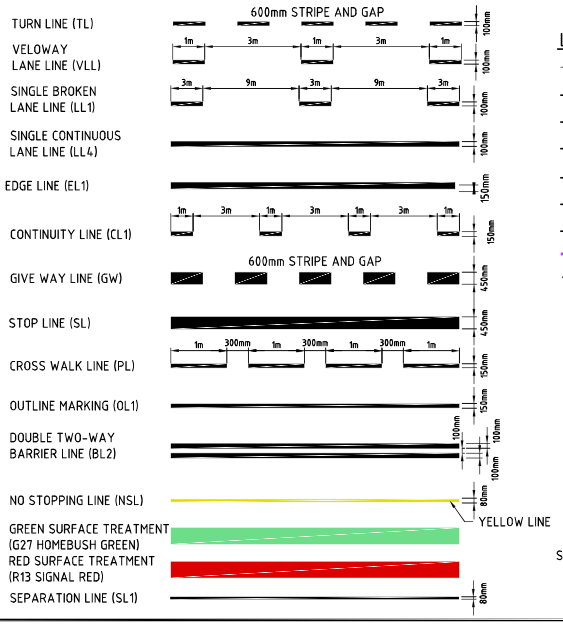
LINEMARKING LEGEND



LEGEND

- PROPOSED ROAD CENTERLINE
- INVERT CHANNEL
- M3 MOUNTABLE KERB AND CHANNEL
- B1 BARRIER KERB AND CHANNEL (300)
- B2 BARRIER KERB ONLY
- SEMI-MOUNTABLE KERB ONLY (TYPE SM3)
- SEMI-MOUNTABLE KERB (TYPE SM5)
- CONCRETE RETAINING WALL
- PROPOSED BITUMEN EDGE

SCALE
5 0 5 10 15 20 25m
1 : 250 (A1 UNREDUCED)

AMENDED IN RED
By: Justin Lee
Date: 29/06/2026

Queensland Government

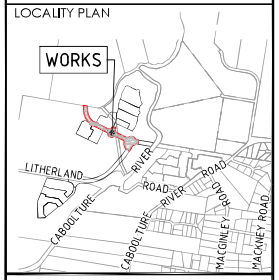
PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV-2026-WAR-4894
Date: 03/07/2026

Queensland Government

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client
Stockland

Project
RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:12 +10'00'

Drawing Title
ROADWORKS SIGNS AND LINEMARKING PLAN SHEET 2

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	31 of 65

	Drawing No	Revision
A1	24-283-31	B

M:\2024\24283\Rivermont P2 EMW District Collector\Engineering\Acad\24-283-30-34-RD-SIGNS-LM.dwg Plotted by: AL on 1/06/2026 10:03:45 AM

SIGN SIZE SCHEDULE

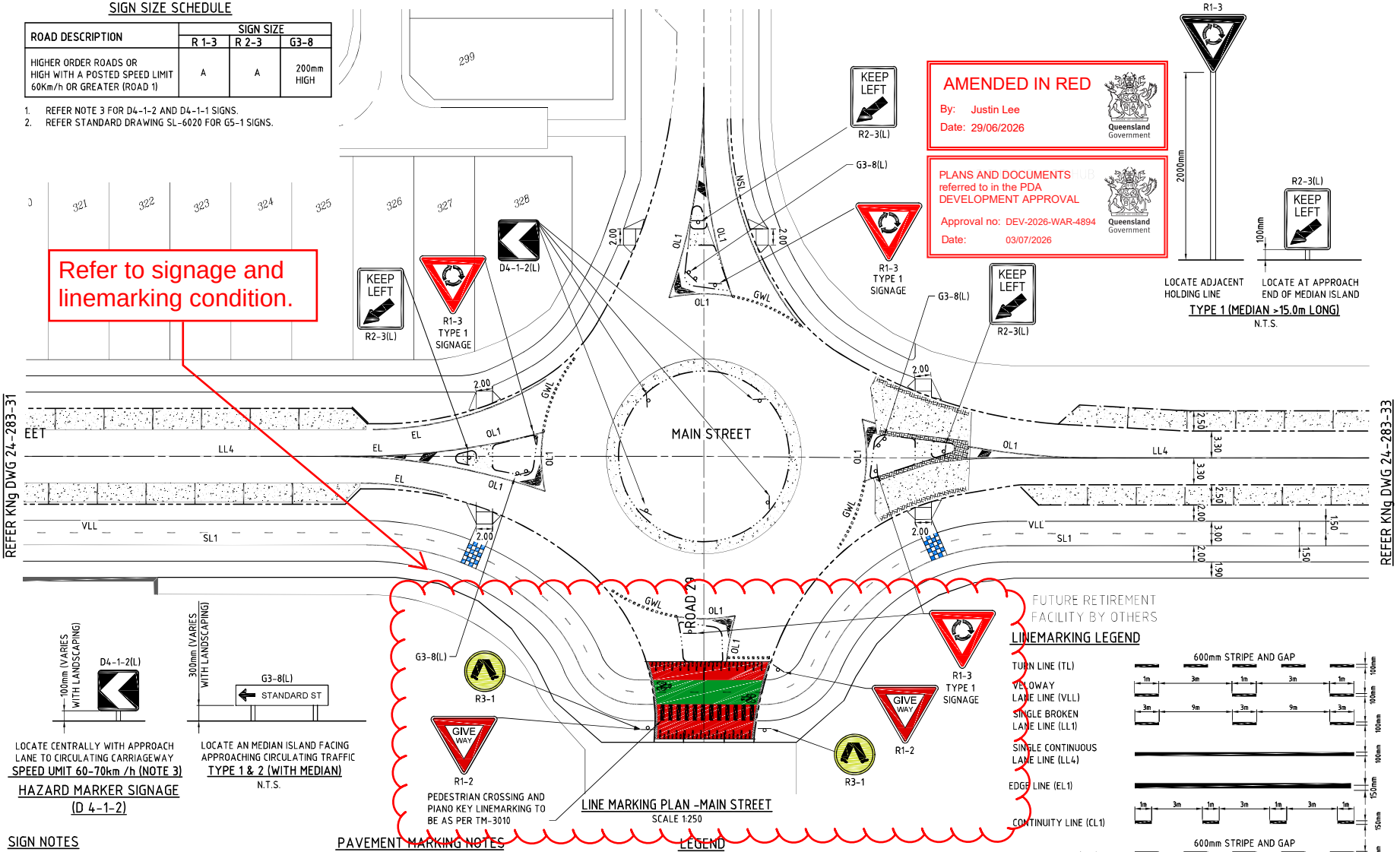
ROAD DESCRIPTION	SIGN SIZE		
	R 1-3	R 2-3	G3-8
HIGHER ORDER ROADS OR HIGH WITH A POSTED SPEED LIMIT 60Km/h OR GREATER (ROAD 1)	A	A	200mm HIGH

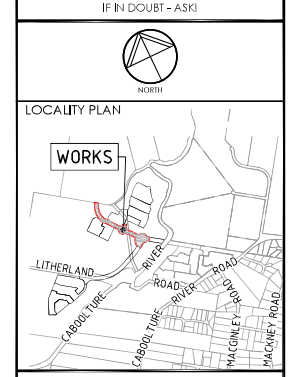
1. REFER NOTE 3 FOR D4-1-2 AND D4-1-1 SIGNS.
2. REFER STANDARD DRAWING SL-6020 FOR G5-1 SIGNS.

AMENDED IN RED
By: Justin Lee
Date: 29/06/2026
Queensland Government

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV-2026-WAR-4894
Date: 03/07/2026
Queensland Government

Refer to signage and linemarking condition.





LOCATE ADJACENT HOLDING LINE
LOCATE AT APPROACH END OF MEDIAN ISLAND
TYPE 1 (MEDIAN >15.0m LONG)
N.T.S.

LOCATE CENTRALLY WITH APPROACH LANE TO CIRCULATING CARRIAGEWAY
SPEED UMIT 60-70km /h (NOTE 3)
HAZARD MARKER SIGNAGE (D 4-1-2)

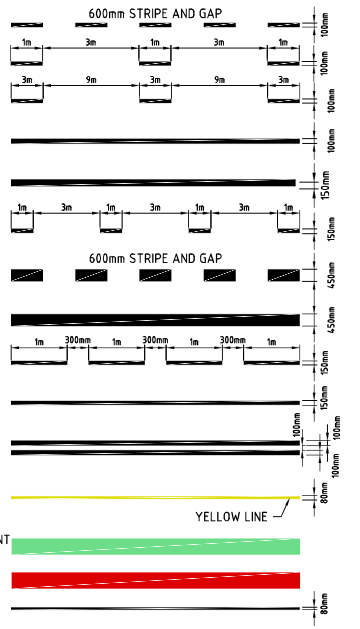
LOCATE AN MEDIAN ISLAND FACING APPROACHING CIRCULATING TRAFFIC
TYPE 1 & 2 (WITH MEDIAN)
N.T.S.

PEDESTRIAN CROSSING AND PIANO KEY LINEMARKING TO BE AS PER TM-3010

LINE MARKING PLAN -MAIN STREET
SCALE 1:250

FUTURE RETIREMENT FACILITY BY OTHERS

LINEMARKING LEGEND



SIGN NOTES

1. ALL SIGNS TO BE INSTALLED IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES - CURRENT EDITION
2. THE LOCATION OF EXISTING SIGNS ARE INDICATED ON PLAN.
3. THE LOCATIONS OF PROPOSED SIGNS ARE INDICATED ON PLAN.
   ALL SIGNS TO BE INSTALLED WITH THE FOLLOWING MINIMUM CLEARANCES TO EDGE OF SIGN FACE:
   - NO KERB - 600mm BEHIND GUIDEPOSTS
   - BARRIER KERB - 300mm FROM FACE OF KERB
   - MOUNTABLE KERB - 500mm FROM FACE OF KERB.
4. CHECK FOR ALL IN GROUND SERVICES PRIOR TO PLACING SIGN SUPPORTS.
5. SIGN SUPPORT CONSTRUCTION TO BE IN ACCORDANCE WITH MAIN ROADS STANDARD DRAWING 1368 FOR SIGN SUPPORTS AND FOR MULTIPLE SUPPORT. REUSE EXISTING SIGN SUPPORTS WHERE POSSIBLE.
6. EXACT LOCATION OF ALL SIGNS IS TO BE VERIFIED ON SITE WITH THE SUPERINTENDENT PRIOR TO INSTALLATION.

PAVEMENT MARKING NOTES

ALL PAVEMENT MARKING TO BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES - CURRENT EDITION.

OUTLINE MARKINGS, OFFSET 150mm MINIMUM FROM THE KERB FACE SHALL BE PROVIDED AROUND ALL RAISED ISLANDS AND MEDIANS.

WHITE REFLECTIVE PAINT SHALL BE USED FOR ALL LANE AND EDGE LINES, CHEVRONS AND OUTLINE MARKINGS.

WHITE REFLECTIVE THERMOPLASTIC MATERIAL SHALL BE USED FOR ALL CONTINUITY, TURN, HOLDING, GIVE WAY AND STOP LINES, CROSSWALK MARKINGS AND TURN ARROWS.

ALL EXISTING PAVEMENT MARKINGS THAT SHALL BE MADE OBSOLETE BY THESE WORKS SHALL BE REMOVED FROM THE ROAD SURFACE BY APPROVED METHOD.

LEGEND

- PROPOSED ROAD CENTERLINE
- INVERT CHANNEL
- M3 MOUNTABLE KERB AND CHANNEL
- B1 BARRIER KERB AND CHANNEL (300)
- B2 BARRIER KERB ONLY
- SEMI-MOUNTABLE KERB ONLY (TYPE SM3)
- SEMI-MOUNTABLE KERB (TYPE SM5)
- PROPOSED BITUMEN EDGE

SCALE 5 0 5 10 15 20 25m
1 : 250 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN

REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client: Stockland

Project: RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
M. Shaw
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:13 +10'00'

Drawing Title: ROADWORKS SIGNS AND LINEMARKING PLAN SHEET 3

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	32 of 65

Drawing No	Revision
24-283-32	B

A1

M:\2024\24283 Rivermont P2 EMW District Collector\Engineering\Acad\24-283-30-34-RD-SIGNS-LM.dwg Plotted by: AL on 1/06/2026 10:03:40 AM

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

D4-1-2(L)

100mm (VARIES WITH LANDSCAPINT)

LOCATE CENTRALLY WITH APPROACH LANE TO CIRCULATING CARRIAGEWAY

SPEED UMIT 60-70km /h (NOTE 3)

HAZARD MARKER SIGNAGE (D 4-1-2)

N.T.S.

300mm (VARIES WITH LANDSCAPINT)

G3-8(L) STANDARD ST

LOCATE AN MEDIAN ISLAND FACING APPROACHING CIRCULATING TRAFFIC

TYPE 1 & 2 (WITH MEDIAN)

N.T.S.

KEEP LEFT R2-3(L)

R1-3 TYPE 1 SIGNAGE

D4-1-2(L)

G3-8(L)

KEEP LEFT R2-3(L)

W6-9

W8-23 ON SIDE ROAD

REFER KNg DWG 24-283-34

RIVERMONT BOULEVARD P1

REFER KNg DWG 24-283-32

MAIN STREET LL4

OL1 OL1 EL EL EL

GWL GWL

VLL VLL VLL

1.50 1.50

3.00 3.00 3.00

2.00 2.00

R8-2

R1-3 TYPE 1 SIGNAGE

ONLY ONLY R8-3 (R)

G3-8(L)

REFER DETAIL ON THIS PAGE

R8-2

ONLY ONLY R8-3 (R)

R1-3 TYPE 1 SIGNAGE

R1-3

2000mm

R2-3(L) KEEP LEFT 100mm

LOCATE ADJACENT HOLDING LINE

LOCATE AT APPROACH END OF MEDIAN ISLAND

TYPE 1 (MEDIAN >15.0m LONG)

N.T.S.

TACTILE GROUND SURFACE INDICATORS AS PER RS-093

2.50

RIVERMONT BOULEVARD P2

BL2 SL1

60 R4-1

D4-5

KEEP LEFT R2-3(L)

LEGEND

PROPOSED ROAD CENTERLINE

INVERT CHANNEL

M3 MOUNTABLE KERB AND CHANNEL

B1 BARRIER KERB AND CHANNEL (300)

B2 BARRIER KERB ONLY

SEMI-MOUNTABLE KERB ONLY (TYPE SM3)

SEMI-MOUNTABLE KERB (TYPE SM5)

PROPOSED BITUMEN EDGE

FENCE

EXISTING FENCE

LEGEND

SINGLE BROKEN LANE LINE (LL1)

VELOWAY LANE LINE (VLL)

BOTH DIRECTIONS (BL2)

EDGE LINE (EL)

CONTINUITY LINE (CL)

600mm STRIPE AND GAP

GIVE WAY LINE (GWL)

OUTLINE MARKING (OL1)

SEPARATION LINE (SL1)

SINGLE CONTINUOUS LANE LINE (LL4)

SIGN SIZE SCHEDULE

ROAD DESCRIPTION	SIGN SIZE		
	R 1-3	R 2-3	G3-8
HIGHER ORDER ROADS OR HIGH WITH A POSTED SPEED LIMIT 60Km/h OR GREATER (ROAD 1)	A	A	200mm HIGH

BICYCLE AND PEDESTRIAN CROSSING DETAIL

SCALE 1:100

LINE MARKING PLAN -MAIN STREET

SCALE 1:250

1. REFER NOTE 3 FOR D4-1-2 AND D4-1-1 SIGNS.
2. REFER STANDARD DRAWING SL-6020 FOR G5-1 SIGNS.

SCALE 1 0.5 0 1 2 3 4 5 6 7 8 9 10m

1 : 100 (A1 UNREDUCED)

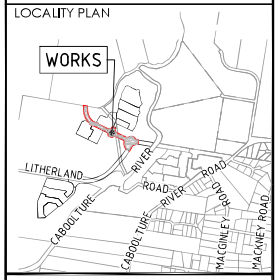
SCALE 5 0 5 10 15 20 25m

1 : 250 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client: Stockland

Project: RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:14 +10'00'

Drawing Title: ROADWORKS SIGNS AND LINEMARKING PLAN SHEET 4

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	33 of 65

A1	Drawing No	Revision
	24-283-33	B

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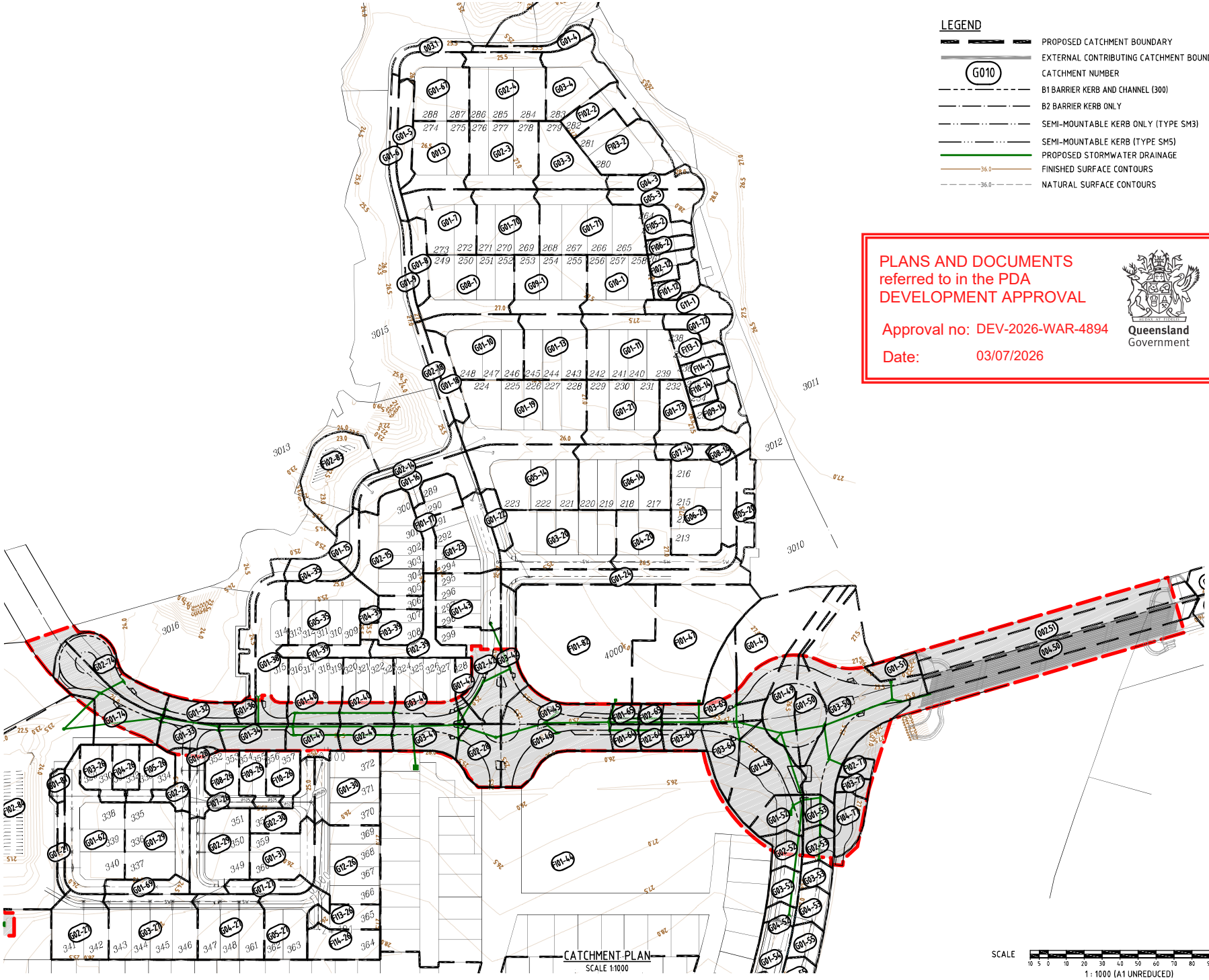
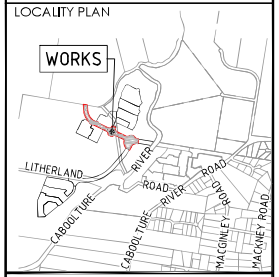


DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client

Stockland

Project

RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

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www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:15 +10'00'

Drawing Title

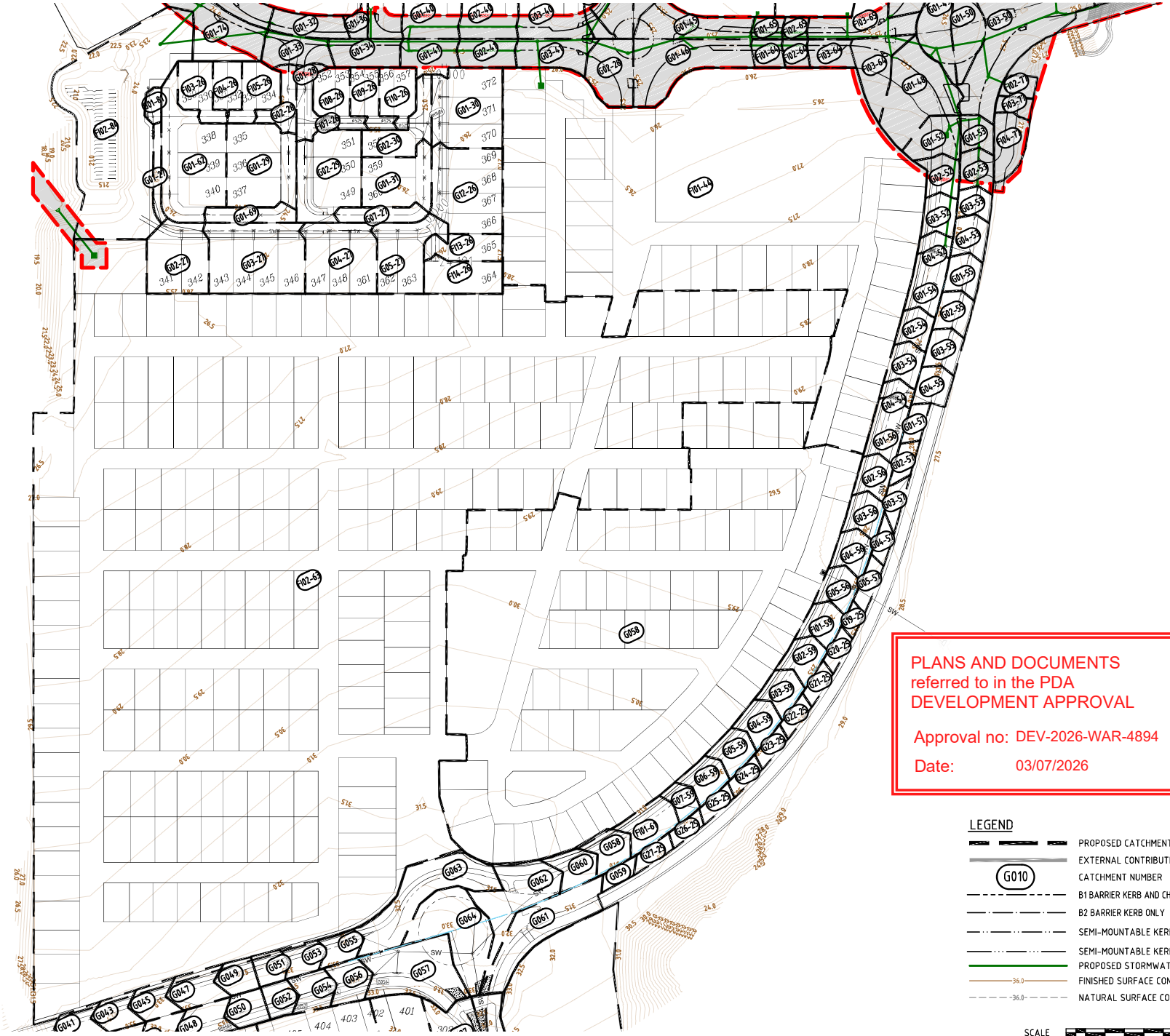
STORMWATER CATCHMENT PLAN SHEET 1

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	35 of 65

	Drawing No	Revision
A1	24-283-35	B

M:\2024\24283 Rivermont P2 EMW District Collector\Engineering\Acad\24-283-35-37-Sw-CATCHMENT.dwg Plotted by JB on 29/05/2026 3:40:05 PM



PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

LEGEND

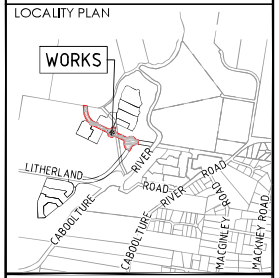
- PROPOSED CATCHMENT BOUNDARY
- EXTERNAL CONTRIBUTING CATCHMENT BOUNDARY
- G010 CATCHMENT NUMBER
- B1 BARRIER KERB AND CHANNEL (300)
- B2 BARRIER KERB ONLY
- SEMI-MOUNTABLE KERB ONLY (TYPE SM3)
- SEMI-MOUNTABLE KERB (TYPE SM5)
- PROPOSED STORMWATER DRAINAGE
- 36.0 FINISHED SURFACE CONTOURS
- 36.0 NATURAL SURFACE CONTOURS

SCALE
10 5 0 10 20 30 40 50 60 70 80 90 100m
1 : 1000 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client

Stockland

Project

RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
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Approved Director - RPEQ 17544

M. Shaw

Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:16 10'00'

Drawing Title

STORMWATER CATCHMENT PLAN SHEET 2

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	36 of 65

	Drawing No	Revision
A1	24-283-36	B

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CATCHMENT TABLE

CATCHMENT NO.	AREA (ha)
FI14–1	0.021
FI13–1	0.037
G11–1	0.050
G10–1	0.117
G09–1	0.133
G08–1	0.162
FI05–2	0.021
FI04–2	0.038
FI02–2	0.133
FI01–2	0.057
G05–3	0.056
G04–3	0.048
G03–3	0.146
G02–3	0.147
G01–3	0.122
G01–4	0.164
G01–5	0.050
G01–6	0.034
G01–7	0.119
G01–3	0.122
G01–8	0.040
G01–9	0.024
G01–10	0.161
G08–1	0.162
G01–11	0.177
G10–1	0.117
FI02–12	0.032
FI01–12	0.033
G01–13	0.128
G09–1	0.133
FI10–14	0.032
FI09–14	0.052
G08–14	0.012
G07–14	0.025
G06–14	0.181
G05–14	0.197
G02–14	0.038
G02–15	0.180
G01–15	0.036
G02–14	0.038
G01–16	0.088
G02–14	0.038
FI01–17	0.066
G02–18	0.025
G01–18	0.044

CATCHMENT NO.	AREA (ha)
G01–19	0.251
G06–20	0.188
G05–20	0.052
G04–20	0.134
G03–20	0.202
G01–21	0.145
G06–14	0.181
G01–22	0.029
G01–23	0.127
G01–24	0.123
G03–20	0.202
G26–25	0.018
G25–25	0.016
G24–25	0.017
G23–25	0.016
G22–25	0.016
G21–25	0.016
G20–25	0.016
G19–25	0.016
G18–25	0.012
FI14–26	0.070
FI13–26	0.052
G12–26	0.156
FI10–26	0.051
FI09–26	0.048
FI08–26	0.056
FI07–26	0.006
FI05–26	0.056
FI04–26	0.038
FI03–26	0.054
G06–27	0.104
G04–27	0.134
G03–27	0.181
G02–27	0.112
G01–27	0.021
G02–28	0.039
G01–28	0.039
G02–29	0.145
G01–29	0.150
G02–30	0.147
G01–30	0.070
G01–31	0.099
G01–32	0.048
G01–33	0.058
G01–34	0.053

CATCHMENT NO.	AREA (ha)
G05–35	0.158
G04–35	0.042
G01–36	0.062
G01–38	0.136
FI04–39	0.027
FI03–39	0.058
FI02–39	0.069
FI01–39	0.038
G03–40	0.129
G02–40	0.107
G01–40	0.110
G03–41	0.059
G02–41	0.044
G01–41	0.051
G02–42	0.061
G01–42	0.108
G01–43	0.112
G02–42	0.061
FI01–44	2.559
G01–45	0.082
G01–46	0.132
FI01–47	0.312
G01–48	0.137
G01–49	0.106
IN4–50	0.134
3.5	0.326
G01–50	0.081
IN2–51	0.135
G01–51	0.030
G04–52	0.017
G03–52	0.034
G02–52	0.036
FI01–52	0.052
G04–53	0.035
G03–53	0.025
G02–53	0.034
G01–53	0.030
G04–54	0.016
G03–54	0.034
G02–54	0.031
FI01–54	0.051
G04–55	0.033
G03–55	0.035
G02–55	0.034
G01–55	0.034

CATCHMENT NO.	AREA (ha)
G05–56	0.036
G04–56	0.037
G03–56	0.037
G02–56	0.034
FI01–56	0.051
G05–57	0.021
G04–57	0.016
G03–57	0.019
G02–57	0.019
G01–57	0.019
FI04–58	3.159
G07–59	0.023
G06–59	0.037
G05–59	0.036
G04–59	0.036
G03–59	0.036
G02–59	0.037
FI01–59	0.037
FI01–61	0.052
G25–25	0.016
G01–62	0.190
G01–27	0.021
FI02–63	9.038
FI03–64	0.101
FI02–64	0.019
FI01–64	0.023
FI03–65	0.111
FI02–65	0.014
FI01–65	0.018
G01–66	0.075
G01–67	0.127
G01–69	0.039
G03–27	0.181
G01–70	0.128
G02–3	0.147
G01–71	0.197
G03–3	0.146
G01–72	0.040
G11–1	0.050
G01–73	0.099
G07–14	0.025
G02–74	0.206
G01–74	0.144
G01–75	0.185
G01–76	0.029

CATCHMENT NO.	AREA (ha)
FI04–77	0.050
FI03–77	0.017
FI02–77	0.019
G01–50	0.081
G01–78	0.025
G01–79	0.032
G01–80	0.116
G01–81	0.014
G01–82	0.450
FI01–65	0.018
G01–86	0.037
G04–27	0.134
FI02–83	0.150
FI02–84	0.492
FI03–85	0.205

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

DO NOT SCALE THIS DRAWING
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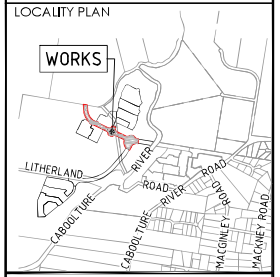
LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client

Stockland

Project

RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:17 10'00'

Drawing Title

STORMWATER CATCHMENT TABLES

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	37 of 65

	Drawing No	Revision
A1	24-283-37	B

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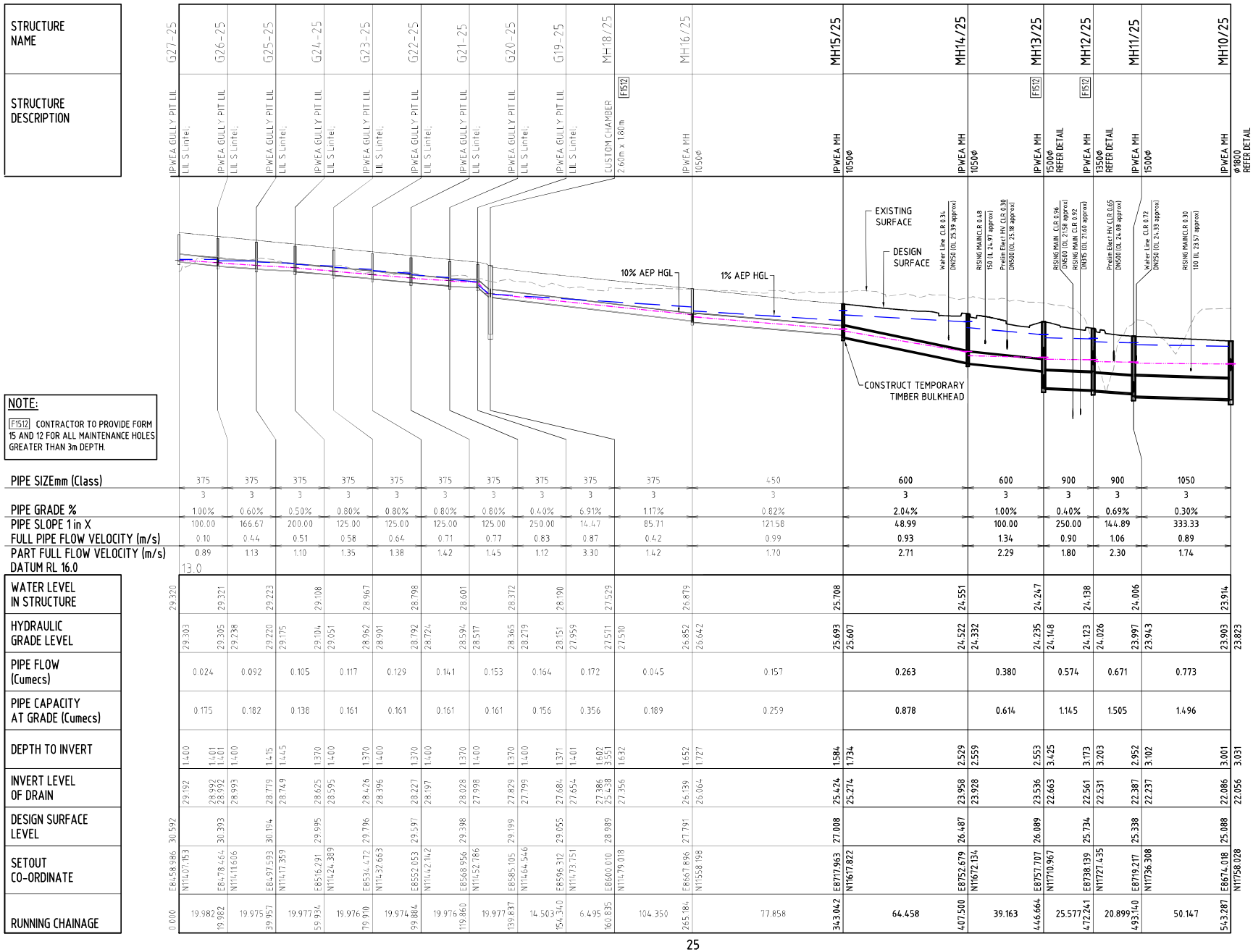


NOTE:

F1512 CONTRACTOR TO PROVIDE FORM 15 AND 12 FOR ALL MAINTENANCE HOLES GREATER THAN 3m DEPTH.

25

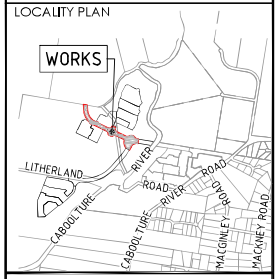
SCALE A 1:1000 (Horiz.) 10 5 0 10 20 30 40 50 60 70 80 90 100m

B 1:100 (Vert.) 1 0.5 0 1 2 3 4 5 6 7 8 9 10m

(A1 UNREDUCED)

DO NOT SCALE THIS DRAWING IF IN DOUBT - ASK!

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	DF

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

Client: Stockland

Project: RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

Digitally signed by Mark Shaw RPEQ 17544 Date: 2026.06.01 12:25:18 10'00'

Drawing Title: STORMWATER LONGITUDINAL SECTION SHEET 1

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY '26

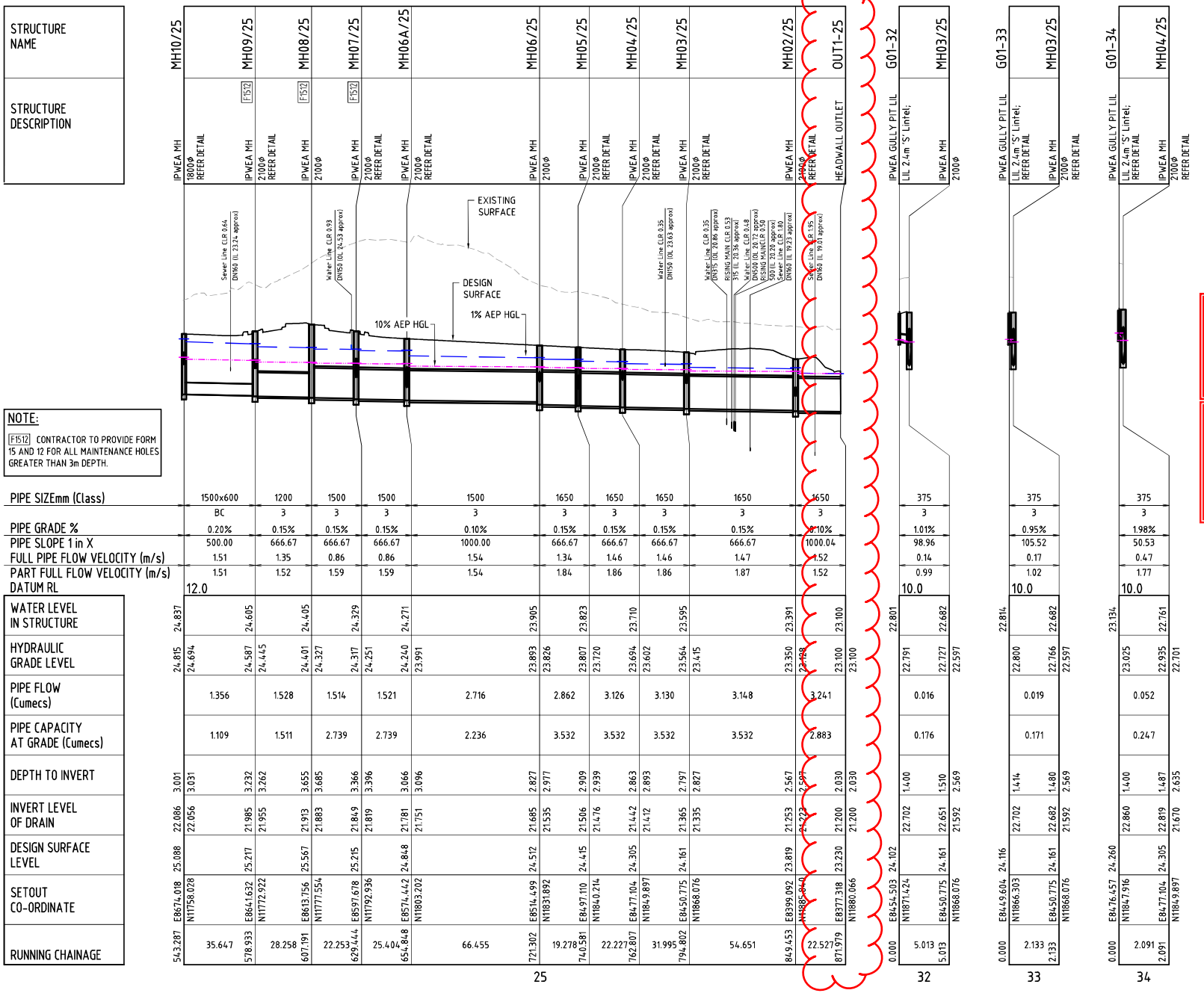
Scale: AS SHOWN

Sheet: 38 of 65

A1 | Drawing No: 24-283-38 | Revision: B

M:\2024\24283 Rivermont P2 EMW District Collector\Engineering\Acad\24-283-38-01 SW-LS.dwg Plotted by: DF on 29/05/2026 3:40:28 PM

Does not form part of this approval.

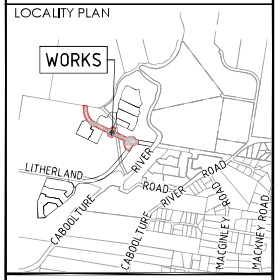


NOTE:

F1512 CONTRACTOR TO PROVIDE FORM 15 AND 12 FOR ALL MAINTENANCE HOLES GREATER THAN 3m DEPTH.

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	DF

AMENDED IN RED
By: Justin Lee
Date: 29/06/2026

Queensland Government

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV-2026-WAR-4894
Date: 03/07/2026

Queensland Government

Stockland

Project
RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

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www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 ~~12:25:19 10'00'~~

Drawing Title
STORMWATER LONGITUDINAL SECTION SHEET 2

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	39 of 65

A1	Drawing No 24-283-39	Revision B

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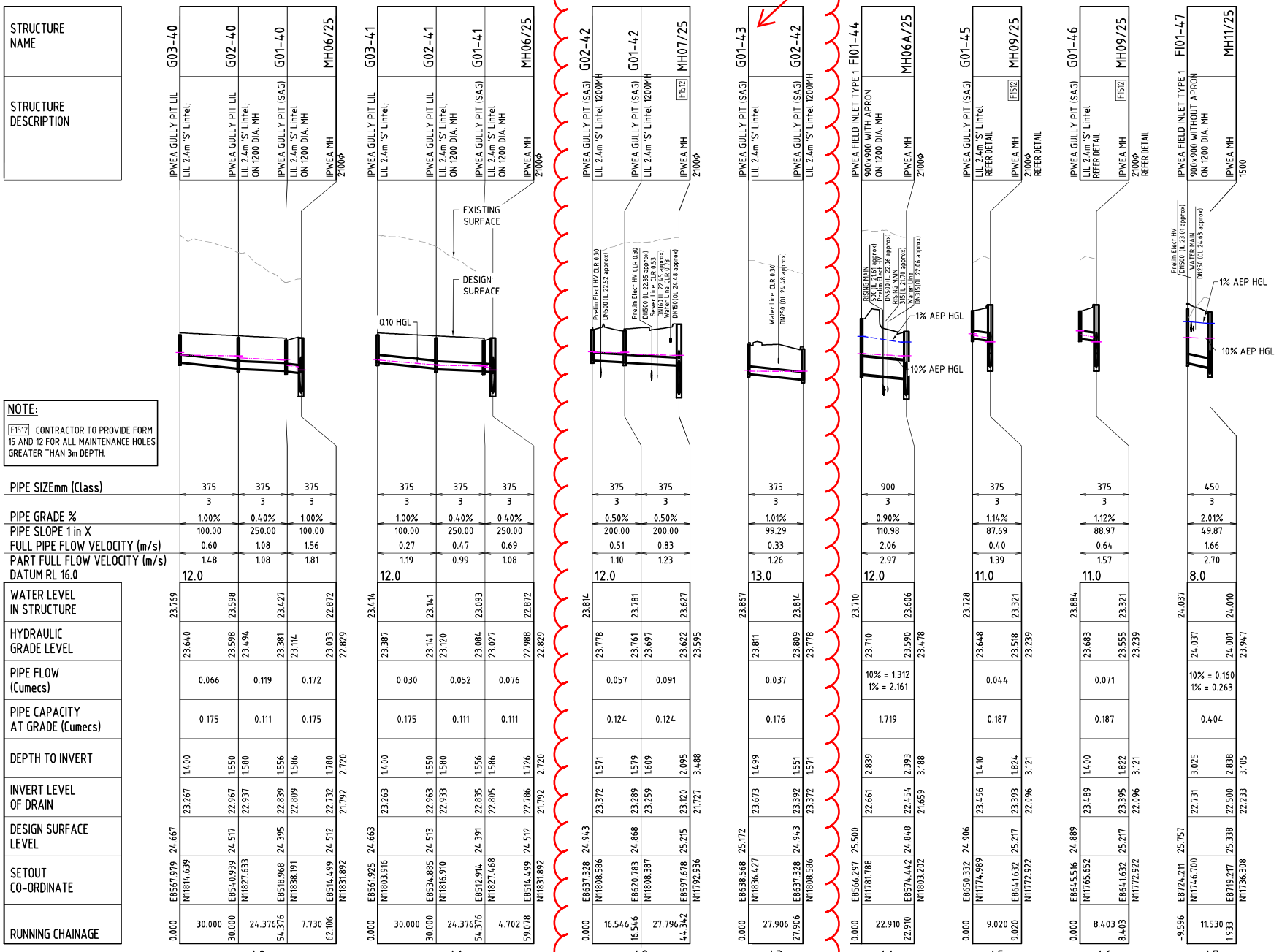
NOTE: Section 42 connects downstream of Section 43.

Gully Pit G01-43 to be confirmed as part of separate application.



NOTE:

F1512 CONTRACTOR TO PROVIDE FORM 15 AND 12 FOR ALL MAINTENANCE HOLES GREATER THAN 3m DEPTH.

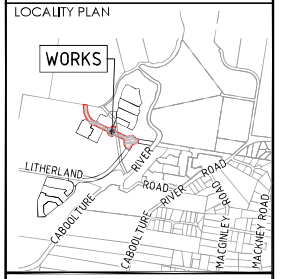
SCALE A 1:1000 (Horiz.)

B 1:100 (Vert.)

(A1 UNREDUCED)

DO NOT SCALE THIS DRAWING IF IN DOUBT - ASK!

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

AMENDED IN RED

By: Justin Lee

Date: 29/06/2026

Queensland Government

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

Stockland

Project

RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group

L1, 62 Astor Terrace, Spring Hill, QLD 4000

www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

Digitally signed by Mark Shaw RPEQ 17544 Date: 2026.06.01 12:25:19 10'00'

Drawing Title

STORMWATER LONGITUDINAL SECTION SHEET 3

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale: AS SHOWN

Sheet: 40 of 65

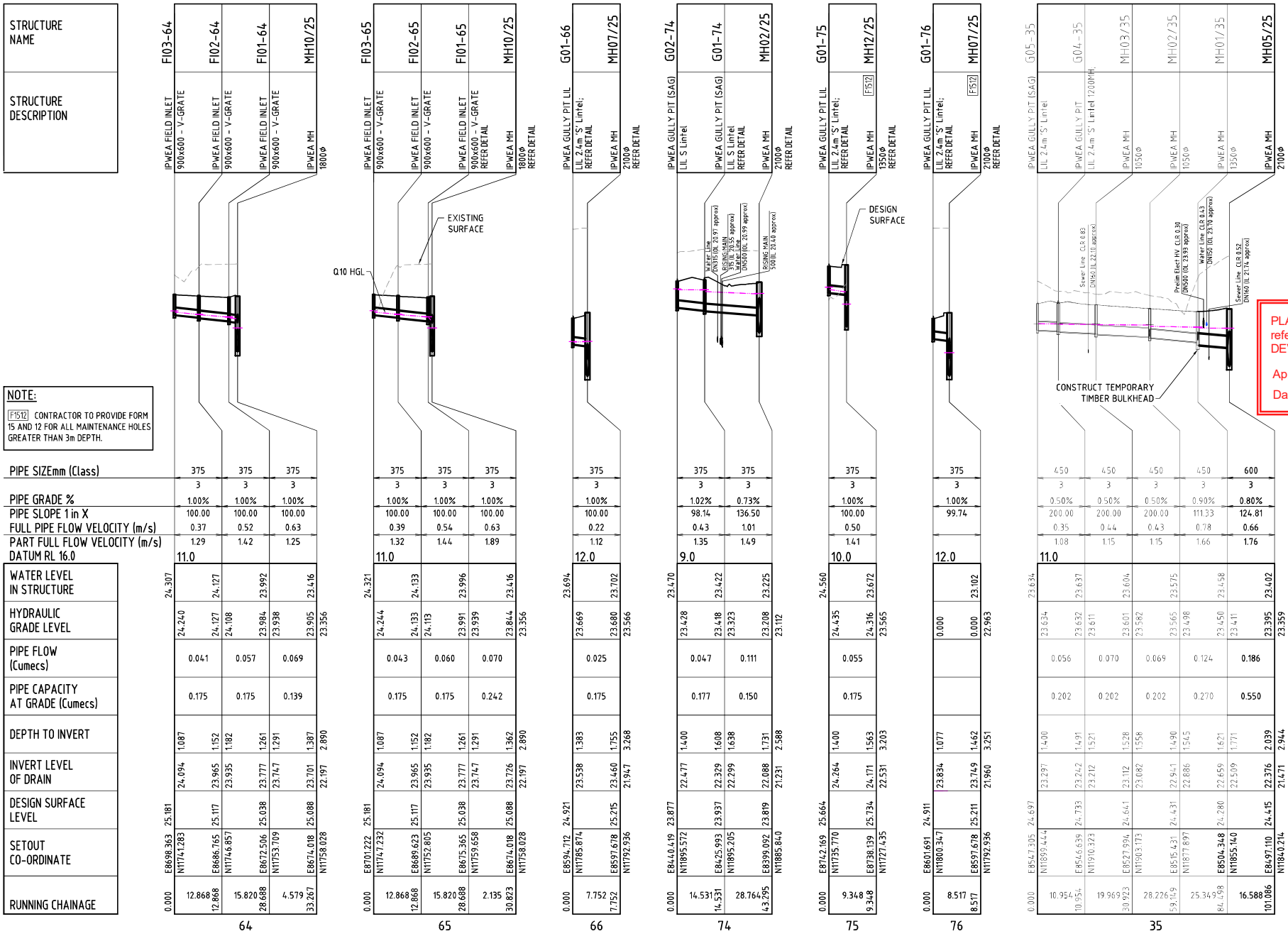
A1 | Drawing No: 24-283-40 | Revision: B

M:\2024\24283 Rivermont P2 EMW District Collector\Engineering\Acad\24-283-36-41-SW-LS.dwg Plotted by: DP on 29/05/2026 3:40:25 PM

Provide additional longitudinal section detail of constructed pipe section between G01-51 to MH02/50 for approval under the CPM.

| | | |

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!



NOTE:

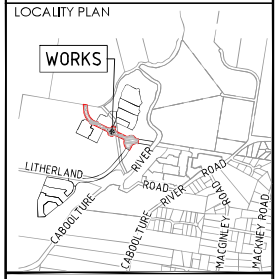
F1512 CONTRACTOR TO PROVIDE FORM 15 AND 12 FOR ALL MAINTENANCE HOLES GREATER THAN 3m DEPTH.

SCALE A 1:1000 (Horiz.)

B 1:100 (Vert.)

(A1 UNREDUCED)

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	14.01.2025	RP
B	RFI RESPONSE	29.05.2026	AL

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

Client: Stockland

Project: RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

Digitally signed by Mark Shaw RPEQ 17544 Date: 2026.06.01 12:25:21 10'00'

Drawing Title: STORMWATER LONGITUDINAL SECTION SHEET 4

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale: AS SHOWN

Sheet: 41A of 65

A1 | Drawing No: 24-283-41A | Revision: B

M:\2024\24283 Rivermont P2 EMW District Collector\Engineering\Acad\24-283-38-41-SW-LS.dwg Plotted by: JB on 29/05/2026 3:40:30 PM

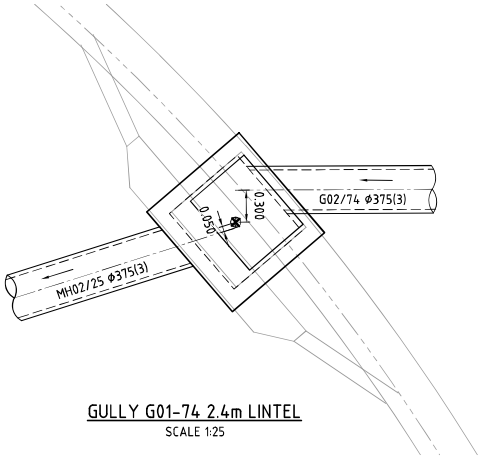
| | | |

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

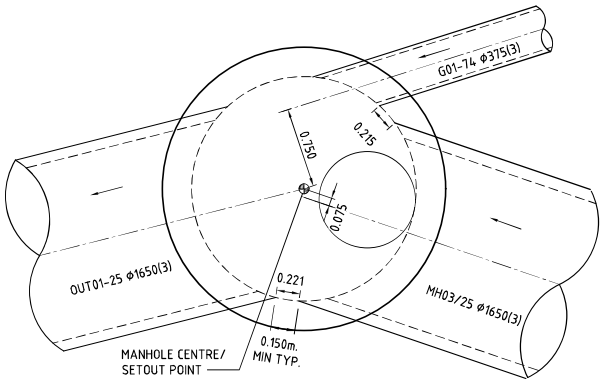
Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

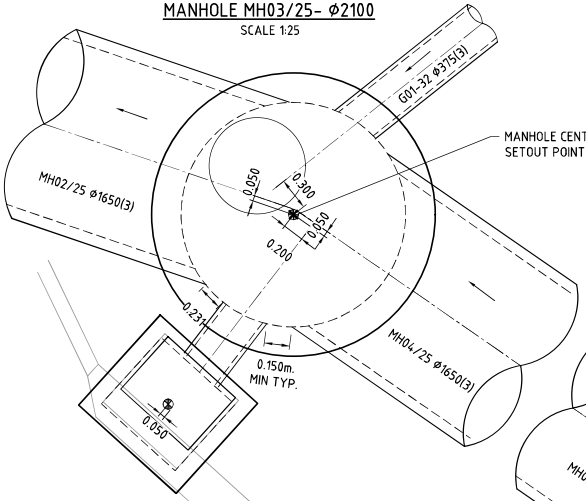


GULLY G01-74 2.4m LINTEL
SCALE 1:25

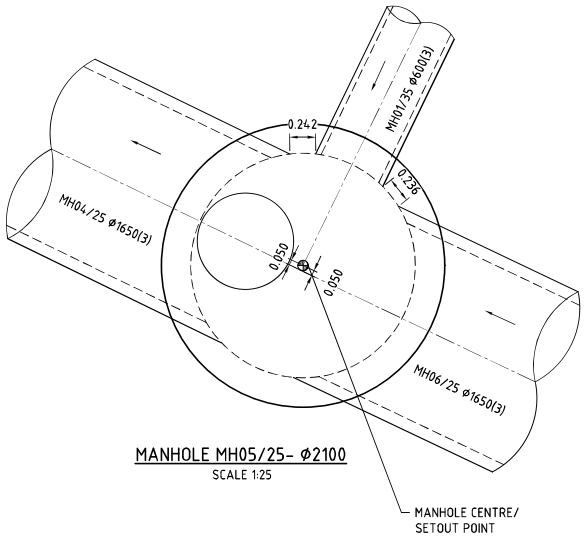


MANHOLE MH02/25- Ø2100
SCALE 1:25

MANHOLE MH03/25- Ø2100
SCALE 1:25

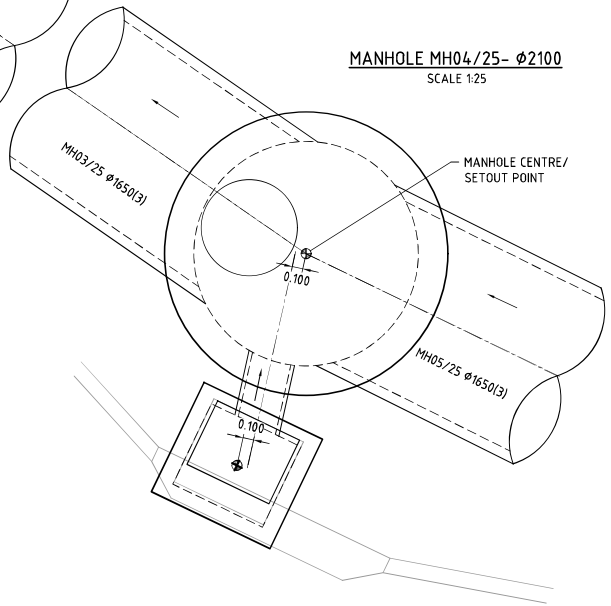


GULLY G01-33 2.4m LINTEL
SCALE 1:25



MANHOLE MH05/25- Ø2100
SCALE 1:25

MANHOLE MH04/25- Ø2100
SCALE 1:25



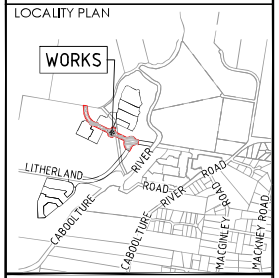
GULLY G01-34 2.4m LINTEL
SCALE 1:25

SCALE
0.5 0 0.5 1.0 1.5 2.0 2.5m
1 : 25 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client
Stockland

Project
RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:23 +10'00'

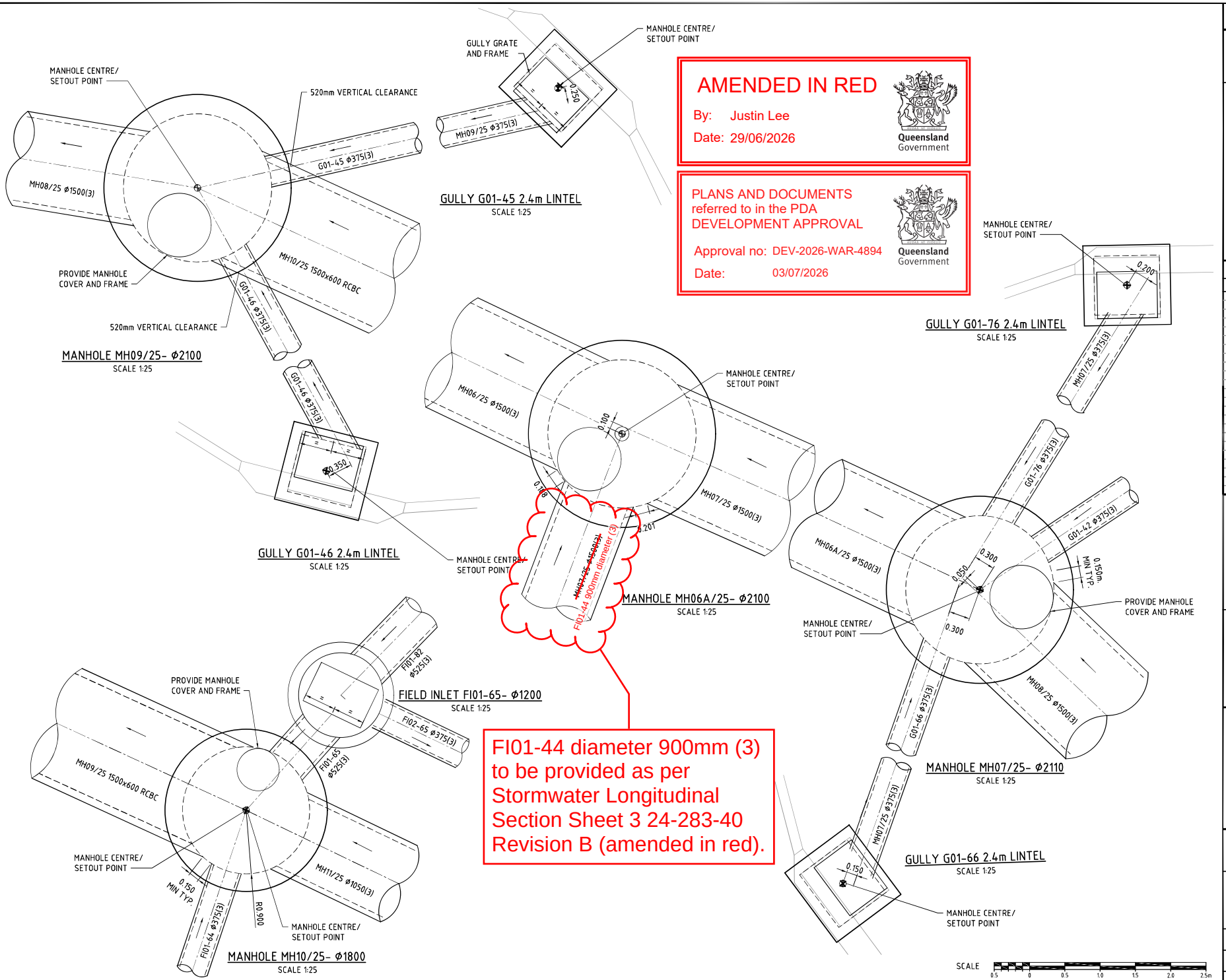
Drawing Title
STORMWATER
MANHOLE DETAILS
SHEET 1

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	42 of 65

A1	Drawing No	Revision
	24-283-42	B

M:\2024\24283 Rivermont P2 EMW District Collection\Engineering\Acad\24-283-42-13-SW-MH.dwg Plotted by: DP on 29/05/2026 3:43:46 PM



AMENDED IN RED

By: Justin Lee

Date: 29/06/2026

Queensland Government

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

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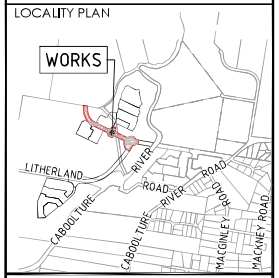
NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	AL

Client

Stockland

Project

RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group

L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

M. Shaw

Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 ~~12:25:23 +10'00'~~

Drawing Title

STORMWATER MANHOLE DETAILS SHEET 2

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY '26

Scale	Sheet
AS SHOWN	43 of 65

	Drawing No	Revision
A1	24-283-43	B

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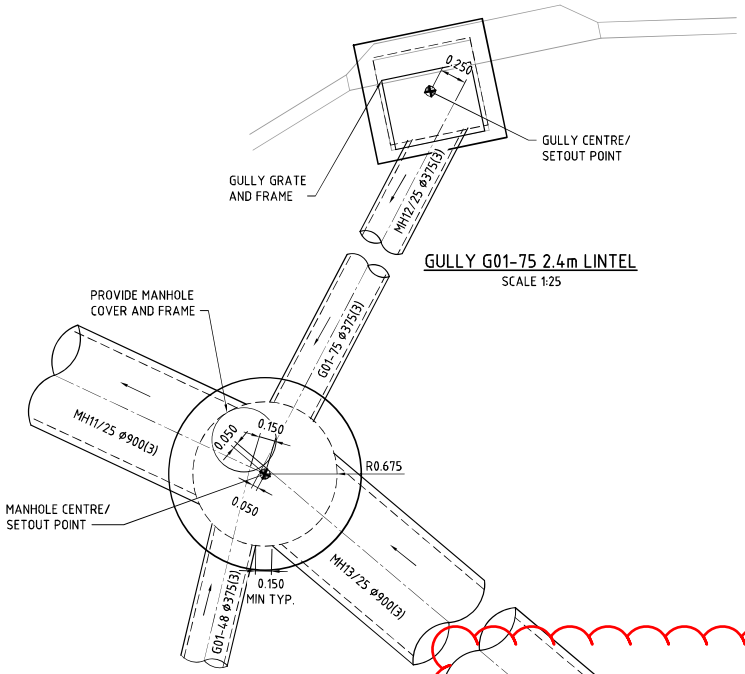
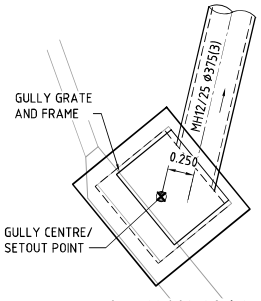
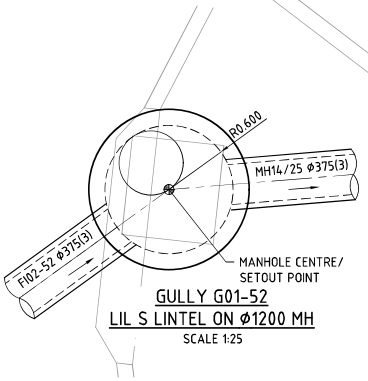


GULLY G01-75 2.4m LINTEL
SCALE 1:25

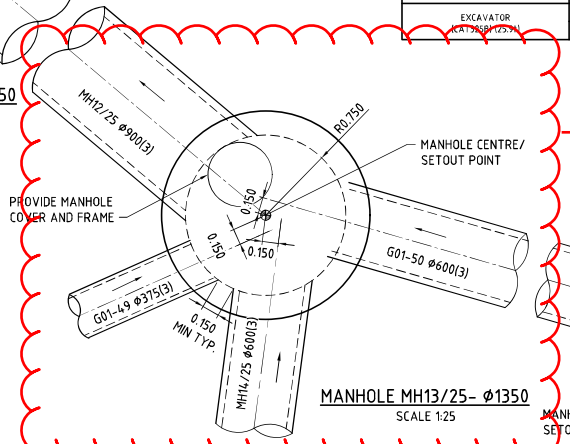
MANHOLE MH12/25- Ø1350
SCALE 1:25



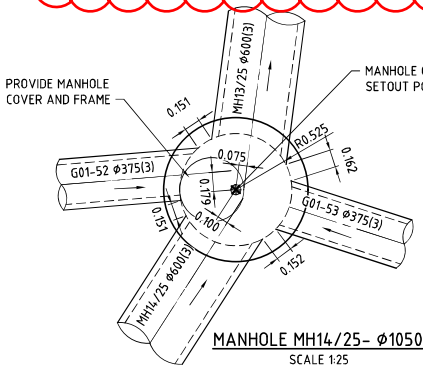
GULLY G01-48 2.4m LINTEL
SCALE 1:25



GULLY G01-52
LIL S LINTEL ON Ø1200 MH
SCALE 1:25

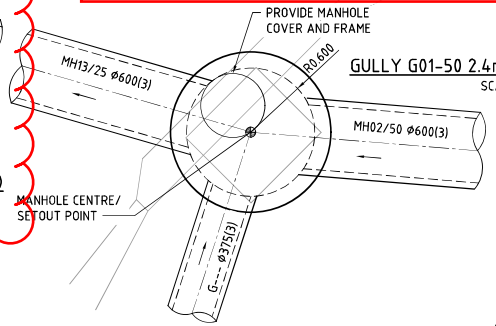


MANHOLE MH13/25- Ø1350
SCALE 1:25

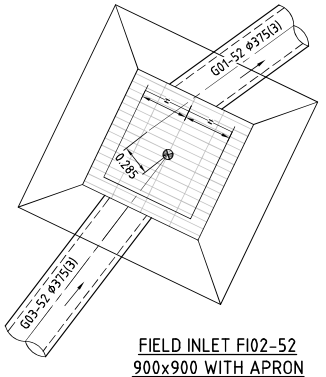


MANHOLE MH14/25- Ø1050
SCALE 1:25

Structure MH13/25 to be constructed with a 1500mm diameter manhole chamber to be RPEQ designed and certified as per IPWEA Standard Drawing DS-010 Note 6.



GULLY G01-50 2.4m LINTEL ON Ø1200 MH
SCALE 1:25



FIELD INLET FI02-52
900x900 WITH APRON
SCALE 1:25

CONSTRUCTION EQUIPMENT	PIPE CLASS	MINIMUM COMPACTION COVER TO PIPE OBVERT								
		375Ø	450Ø	525Ø	600Ø	675Ø	750Ø	825Ø	900Ø	1050Ø–1500Ø
VIBRATORY RAMMER (UP TO 75kg)	2	0.450	0.400	0.400	0.350	0.350	0.300	0.300	0.250	0.250
	3	0.300	0.300	0.3000	0.250	0.250	0.200	0.200	0.200	0.200
VIBRATORY TRENCH ROLLER (UP TO 2t)	2	0.400	0.400	0.350	0.250	0.250	0.200	0.200	0.200	0.200
	3	0.250	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
VIBRATORY SMOOTH DRUM (UP TO 7t)	2	0.700	0.700	0.650	0.650	0.650	0.600	0.600	0.400	0.400
	3	0.450	0.450	0.450	0.350	0.350	0.200	0.200	0.200	0.200
VIBRATORY SMOOTH DRUM (UP TO 10t)	2	0.850	0.850	0.800	0.800	0.800	0.750	0.750	0.750	0.750
	3	0.550	0.550	0.500	0.500	0.500	0.200	0.200	0.200	0.200
EXCAVATOR & COMPACTION WHEEL (15t)	2	0.700	0.650	0.650	0.650	0.650	0.600	0.600	0.550	0.550
	3	0.450	0.450	0.450	0.450	0.450	0.350	0.350	0.250	0.250
EXCAVATOR & COMPACTION WHEEL (25t)	2	1.050	1.000	0.950	0.900	0.900	0.850	0.850	0.750	0.750
	3	0.650	0.650	0.650	0.650	0.650	0.600	0.600	0.500	0.500
GRADER (CAT120H) (14.5t)	2	0.600	0.600	0.450	0.200	0.200	0.200	0.200	0.200	0.200
	3	0.600	0.450	0.450	0.200	0.200	0.200	0.200	0.200	0.200
GRADER (CAT140H) (17.0t)	2	0.600	0.600	0.600	0.200	0.200	0.200	0.200	0.200	0.200
	3	0.600	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
SCRAPER (CAT613C11) (27.2t)	2	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.200	0.200
	3	0.600	0.600	0.600	0.600	0.600	0.200	0.200	0.200	0.200
SCRAPER (CAT621F) (53.8t)	2	0.700	0.700	0.650	0.650	0.600	0.600	0.600	0.600	0.600
	3	0.650	0.650	0.600	0.600	0.600	0.600	0.600	0.600	0.600
DOZER (CATD7 G)	2	0.600	0.600	0.600	0.200	0.200	0.200	0.200	0.200	0.200
	3	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
DOZER (CATD9 R)	2	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.200
	3	0.600	0.600	0.600	0.600	0.600	0.200	0.200	0.200	0.200
EXCAVATOR (CAT315B) (15.8t)	2	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
	3	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
EXCAVATOR (CAT317) (17.3t)	2	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
	3	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
EXCAVATOR (CAT336B) (25.9t)	2	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
	3	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200

AMENDED IN RED
By: Justin Lee
Date: 29/06/2026

Queensland Government

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV-2026-WAR-4894
Date: 03/07/2026

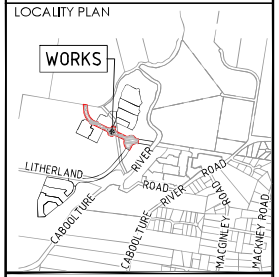
Queensland Government

SCALE
0.5 0 0.5 1.0 1.5 2.0 2.5m
1 : 25 (A1 UNREDUCED)

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	DF

Client
Stockland

Project
RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544
M. Shaw
Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:24 +10'00'

Drawing Title
STORMWATER MANHOLE DETAILS SHEET 3

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	43A of 65

A1	Drawing No	Revision
	24-283-43A	B

M:\2024\24283 Rivermont P2 EMW District Collector\Engineering\Acad\24-283-12-13-SW-MH.dwg Plotted by: DF on 29/05/2026 3:103 PM

LOCATION			TIME		SUB-CATCHMENT RUNOFF					INLET DESIGN				DRAIN DESIGN														HEADLOSSES										PART FULL		DESIGN LEVELS						
DESIGN ARI	STRUCTURE No.	DRAIN SECTION	SUB-CATCHMENT TIME OF CONCENTRATION	RAINFALL INTENSITY	C-EFFICIENT OF RUNOFF	SUB-CATCHMENT AREA	EQUIVELANT AREA	SUM OF (C•A)	•CA	SUB-CATCHMENT DISCHARGE	FLOW IN K&C (INC. BYPASS)	ROAD GRADE AT INLET	MINOR FLOW ROAD CAPACITY	INLET TYPE	FLOW INTO INLET	BYPASS FLOW	BYPASS STRUCTURE No.	CRITICAL TIME OF CONCENTRATION	RAINFALL INTENSITY	TOTAL (C•A)	MAJOR TOTAL FLOW	MAJOR SURFACE FLOW CAPACITY	MAJOR SURFACE FLOW	PIPE FLOW	REACH LENGTH	PIPE GRADE	PIPE (BOX DIMENSIONS (CLASS)	FLOW VELOCITY FULL (PIPE GRADE VELOCITY)	TIME OF FLOW IN REACH	STRUCTURE CHART No.	STRUCTURE RATIOS FOR 'K' VALUE CALCULATIONS	VELOCITY HEAD	U/S HEADLOSS COEFFICIENT	U/S PIPE STRUCTURE HEADLOSS	LAT. HEADLOSS CO-EFFICIENT	LAT. PIPE STRUCTURE HEADLOSS	W.S.E CO-EFFICIENT	CHANGE IN W.S.E	PIPE FRICTION SLOPE	PIPE FRICTION HEADLOSS (L•Sf)	DEPTH	VELOCITY	PIPE U/S I.L	PIPE D/S I.L	PIPE U/S H.G.L	PIPE D/S H.G.L	W.S.E	SURFACE OF K&C INVERT LEVEL	STRUCTURE No.
yrs			min	mm/h		ha	ha	ha	l/s	l/s	%	l/s			l/s	l/s		min.	mm/h	ha	l/s	l/s	l/s	l/s	m	%	mm	m/s	min.			V2/2g	Ku	hu	Kl	hl	Kw	hw	sF	HF	m	m/s	m	m	m	m	m	m	m
10	G26-25	G26-25 to G25-25	5	205	0.9	0.018	0.016	0.016	9	7	0.98	242	IPWEA-LIL-S	1	0		5	205	0.016				11	19.98	1	375	0.1	0.033	G26-25	G1	0.001	1	0.001+					0.004	0.48	0.119	0.014	1.9	29.19	28.99	29.27	29.17	29.27	30.59	G26-25
100			5	304	0.9	0.018	0.016	0.016	14	16								5	304	0.016	14	242	16																								
								FLOW WIDTH =		1.119	0.364																																					
10	G25-25	G25-25 to G24-25	5	205	0.9	0.016	0.015	0.015	8	8	0.98	242	IPWEA-LIL-S	1	0	C24-25	5.37	202	0.018				49	19.98	1.07	375	0.4	0.146	G25-25	T3/F6	0.01	1.12	0.019			2.38	0.024	1.09	0.214	0.103	1.4	28.19	28.78	29.15	28.94	29.18	30.39	G25-25
100			5	304	0.9	0.016	0.015	0.015	12	12								5.34	299	0.018	65	242	12																								
								FLOW WIDTH =		0.944	0.059																																					
10	G24-25	G24-25 to G23-25	5	205	0.9	0.017	0.015	0.015	9	9	0.98	246	IPWEA-LIL-S	1	0	C23-25	5.61	199	0.013				56	19.98	0.62	375	0.5	0.17	G24-25	T1/T3	0.013	1.13	0.014			1.11	0.015	0.63	0.124	0.187	1.2	28.75	28.63	28.92	21.8	28.94	30.19	G24-25
100			5	304	0.9	0.017	0.015	0.015	13	13								5.61	295	0.013	76	245	13																								
								FLOW WIDTH =		0.918	0.059																																					
10	G23-25	G23-25 to G22-25	5	205	0.9	0.016	0.015	0.015	8	8	0.98	246	IPWEA-LIL-S	1	0	C22-25	5.89	197	0.108				64	19.98	0.85	375	0.6	0.193	G23-25	T1/T3	0.017	0.96	0.016			1.04	0.016	0.65	0.169	0.164	1.4	28.5	28.43	28.78	28.61	28.8	30	G23-25
100			5	304	0.9	0.016	0.015	0.015	12	12								5.89	291	0.108	87	245	12																								
								FLOW WIDTH =		0.951	0.059																																					
10	G22-25	G22-25 to G21-25	5	205	0.9	0.016	0.015	0.015	8	8	0.98	246	IPWEA-LIL-S	1	0	G21-25	6.14	195	0.122				71	19.97	0.85	375	0.6	0.216	G22-25	T1/T3	0.021	0.91	0.019			0.99	0.021	0.63	0.169	0.164	1.4	28.4	28.23	28.59	28.42	28.61	29.8	G22-25
100			5	304	0.9	0.016	0.015	0.015	12	12								6.1	287	0.122	97	245	12																								
								FLOW WIDTH =		0.951	0.059																																					
10	G21-25	G21-25 to G20-25	5	205	0.9	0.016	0.015	0.015	8	8	0.98	246	IPWEA-LIL-S	1	0	C20-25	6.37	193	0.157				78	19.98	0.85	375	0.7	0.236	G21-25	T1/T3	0.026	0.87	0.022			0.95	0.024	0.62	0.169	0.164	1.5	28.2	28.03	28.4	28.24	28.43	29.6	G21-25
100			5	304	0.9	0.016	0.015	0.015	12	12								6.33	284	0.157	108	245	12																								
								FLOW WIDTH =		0.95	0.059																																					
10	G20-25	G20-25 to G19-25	5	205	0.9	0.016	0.015	0.015	8	8	0.98	246	IPWEA-LIL-S	1	0	G19-25	6.5	191	0.152				85	19.98	0.85	375	0.8	0.256	G20-25	T1/T3	0.03	0.84	0.025			0.91	0.028	0.61	0.169	0.164	1.5	28	27.83	28.21	28.05	28.24	29.4	G20-25
100			5	304	0.9	0.016	0.015	0.015	12	12								6.55	281	0.152	119	245	12																								
								FLOW WIDTH =		0.947	0.059																																					
10	G19-25	G19-25 to G18-25	5	205	0.9	0.016	0.015	0.015	8	8	0.98	246	IPWEA-LIL-S	1	0	G18-25	6.63	189	0.166				92	14.5	0.79	375	0.8	0.201	G19-25	T1/T3	0.036	0.79	0.023			0.85	1.03	0.53	0.105	0.217	1.5	27.3	27.68	28.02	27.95	28.05	29.2	G19-25
100			5	304	0.9	0.016	0.015	0.015	13	13								6.76	278	0.166	128	245	13																								
								FLOW WIDTH =		0.913	0.059																																					
10	G18-25	G18-25 to MH17/25	5	205	0.9	0.012	0.01	3.01	6	6	1.01	246	IPWEA-LIL-S	1	0	M403/58	6.99	187	0.177				97	6.495	4.12	375	0.5	0.095	G18-25	T1/T3	0.039	1.59	0.062			1.94	0.076	5.41	0.139	0.164	2.7	27.45	27.39	27.88	27.53	27.96	29.06	G18-25
100			5	304	0.9	0.012	0.01	3.01	9	9								6.96	276	0.177	136	245	9																								
								FLOW WIDTH =		0.771	0.354																																					
10	MH17/25	MH17/25 to MH16/25											CUSTOM 2.5 x 1.8 CHAMBER				7.03	187	0.316				48	10.4	1.17	375	0.4	0.748	MH17/25	T3/F6	0.009	1.15	0.011			2.2	0.021	1.02	1.108	0.128	1.4	27.36	26.14	27.51	26.45	27.54	28.99	MH17/25
100																	6.99	275	0.316	303																								
								FLOW WIDTH =		0	0																																					
10	MH16/25	MH16/25 to MH15/25											IPWEA-MH1050				8.25	178	0.617				168	73.86	0.82	450	1.0	1.311	MH16/25	T6/F9	0.052	2.11	0.109			2.42	0.125	0.83	0.64	0.216	1.7	26.16	25.42	26.35	25.7	26.47	27.79	MH16/25
100																	7.92	264	0.617	482																								
								FLOW WIDTH =		0	0																																					
10	MH15/25	MH15/25 to MH14/25											IPWEA-MH1050				9.11	173	0.817				266	65.41	1.78	600	0.5	1.025	MH15/25	T3/F6	0.045	1.17	0.089			2.3	0.104	1.63	1.129	0.235	2.6	25.17	24.11	25.61	24.54	25.71	27.01	MH15/25
100																	8.62	256	0.817	638																								
								FLOW WIDTH =		0	0																																					
10	MH14/25	MH14/25 to MH13/25											IPWEA-MH1050				9.43	170	1.123				370	310.1	1	600	1.3	0.808	MH14/25	T1H	0.087	2.03	0.177			2.44	0.215	0.36	0.134	0.316	2.3	23.36	22.99	24.37	24.23	24.58	26.31	MH14/25
100																	8.96	252	1.104	773																								
								FLOW WIDTH =		0	0																																					
10	MH13/25	MH13/25 to MH12/25											IPWEA-MH1500				15.17	136	1.91				557	25.58	0.4	900	0.5	0.371	MH13/25	T6/F9	0.039	2.32	0.079			2.27	0.089	0.19	0.024	0.443	1.8	22.46	22.56	24.15	24.13	24.24	26.09	MH13/25
100																	15.42	119	1.863	1841																								
								FLOW WIDTH =		0	0																																					
10	MH12/25	MH12/25 to MH11/25											IPWEA-MH1350				16.31	135	2.164				671	21.9	0.71	900	1.1	0.366	MH12/25	T3/F6	0.057	1.73	0.093			1.99	0.113	0.14	0.029	0.418	2.3	22.13	22.38	24.03	24	24.14	25.73	MH12/25
100																	16.14	118	2.119	1193																								
								FLOW WIDTH =		0	0																																					
10	MH11/25	MH11/25 to MH10/25											IPWEA-MH1500				16.36	135	2.445				772	50.15	0.3	1050	0.5	0.744	MH11/25	T1/T3	0.041	1.12	0.054			1.54	0.062	0.08	0.04	0.535	1.7	22.23	22.08	23.95	23.91	24.01	25.34	MH11/25
100																	16.17	117	2.45	1341																								
								FLOW WIDTH =		0	0																																					
10	MH10/25	MH10/25 to MH09/25											IPWEA-MH1800				16.14	133	3.128				1007	35.65	0.2	1200x600 EC	1.1	0.665	MH10/25	T3/F6	0.064	1.17	0.081			1.44	0.092	0.17	0.059	0.413	1.5	22.15	21.98	23.83	23.77	23.92	25.09	MH10/25
100																	16.31	115	3.13	1686																								
								FLOW WIDTH =		0	0																																					
10	MH09/25	MH19/15 to MH08/25											IPWEA-MH2100				17.34	131	3.32				1072	28.26	0.15	1200	1.0	0.447	MH09/25	T3	0.046	1.15	0.05			2.1	0.096	0.08	0.021	0.747	1.5	21.95	21.91	23.69	23.67	23.78	25.22	MH09/25
100																	17.11	113	3.305	1772																								
								FLOW WIDTH =		0	0																																					
10	MH08/25	MH18/15 to MH07/25											IPWEA-MH2100				17.17	130	3.32				1063	22.25	0.15	1500	0.6	0.223	MH08/25	T3/F6	0.018	2.08	0.031			2.21	0.041	0.12	0.005	0.649	1.5	21.79	21.76	23.63	23.62	23.67	25.57	MH08/25
100																	17.32	111	3.305	1753																								
								FLOW WIDTH =		0	0																																					
10	MH07/25	MH07/25 to MH06A/15											IPWEA-MH2100				17.82	130	3.648				953	25.4	0.15	1500	0.5	0.229	MH07/25	T3/T6	0.015	1.78	0.026			2.15	0.032	0.02	0.005	0.611	1.4	21.73	21.69	23.6	23.59	23.63	25.22	MH07/25
100																	17.55	110	3.633	1917																								
								FLOW WIDTH =		0	0																																					
10	MH06A/25	MH06A/25 to MH06/15											IPWEA-MH2100				18.12	129	5.951				1765	66.46	0.15	1500	1.0	1.108	MH06A/25	T6/T9	0.051	2.18	0.111			2.49	0.127	0.06	0.041	0.876	1.7	21.66	21.56	23.48	23.44	23.61	24.85	MH06A/25
100																	17.82	119	5.936	3116																								
								FLOW WIDTH =		0	0																																					
10	MH16/25	MH06/25 to MH05/25											IPWEA-MH2100				18.8	126	6.402				1878	19.28	0.15	1650	0.5	0.283	MH06/25	T1/T3	0.039	0.8	0.032			0.95	0.037	0.04	0.008	0.856	1.7	21.53	21.5	23.41	23.4	23.45	24.5	MH06/25
100																	18.54	185	6.387	3282																								
								FLOW WIDTH =		0	0																																					
10	MH15/25	MH05/25 to MH04/25											IPWEA-MH2100				18.99	125	6.911				2036	22.23	0.15	1650	1.0	0.352	MH05/25	T1/T3	0.046	0.78	0.036			0.91	0.042	0.05	0.011	0.893	1.7	21.47	21.44	23.36	23.35	23.41	24.42	MH05/25
100																	18.71	184	6.896	3525																								
								FLOW WIDTH =		0	0																																					
10	MH14/25	MH04/25 to MH03/25											IPWEA-MH2100				19.21	124	6.956				2039	32	0.15	1650	1.0	0.507	MH04/25	T1/T3	0.046	0.84	0.039			0.99	0.046	0.05	0.016	0.9	1.7	21.41	21.36	23.31	23.3	23.36	24.3	MH04/25
100																	18.91	183	6.941	3528																								
								FLOW WIDTH =		0	0																																					
10	MH13/25	MH03/25 to MH02/25											IPWEA-MH2100				19.52	123	7.046				2052	54.65	0.12	1650	1.0	0.874	MH03/25	T1/T3	0.047	1.35	0.063			1.63	0.076	0.05	0.028	0.958	1.6	21.33	21.26	23.23	23.21	23.31	24.16	MH03/25
100																	19.2	182	7.031	3555																								
								FLOW WIDTH =		0	0																																					
10	MH12/25	MH02/25 to OUT1-25											IPWEA-MH2100				20.09	122	7.333				2115	22.53	0.14	1650	1.0	0.372	MH02/25	T3/T6	0.05	1.89	0.094			2.24	0.112	0.05	0.012	0.943	1.7	21.23	21.2	23.11	23.1	23.22	23.82	MH02/25
100																	19.69	180	7.318	3659																								
								FLOW WIDTH =		0	0																																					
10	OUT1-25												HW outlet																		OUT1-25													23.1	23.23	OUT1-25
100																																																
								FLOW WIDTH =		0	0																																					
10	FIN-26	FIN-26 to FIN3-26	15	140	0.85	0.07	0.059	0.059	23	23	3	9762	IPWEAQ FI 900x600 ONGRADE	18	5	FIN3-26	15	140	0.059				18	10.31	3.59	375	0.2	0.029	FIN-26	S1	0.001	7	0.01					3.01	3.4	0.364	0.06	1.6	25.09	24.72	25.18	24.83	25.19	26.41	FIN-26
100			15	204	0.85	0.07	0.059	0.059	34	34							15	204	0.059	33	9762	34																								
								FLOW WIDTH =		2.071	0.031																																					

CALCULATIONS TABLE

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

Date: 03/07/2026

Queensland Government

DO NOT SCALE THIS DRAWING
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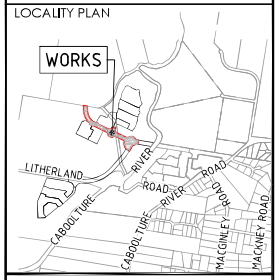
NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	DF

Client

Stockland

Project

RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.au | 07 3017 1900

Approved Director - RPEQ 17544

M. Shaw

Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:25 10'00'

Drawing Title

STORMWATER CALCULATION TABLE SHEET 1

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	44 of 65

Drawing No	Revision
24-283-44	B

A1

M:\2024\24283\Rivermont P2 EMW District Collector\Engineering\Acad\24-283-44 ST-SW-CALCS.dwg Plotted by: DF on 29/05/2026 3:41:11 PM

CALCULATIONS TABLE

LOCATION			TIME		SUB-CATCHMENT RUNOFF					INLET DESIGN						DRAIN DESIGN													HEADLOSSES								PARTFULL		DESIGN LEVELS						
DESIGN ARI	STRUCTURE No.	DRAIN SECTION	SUB-CATCHMENT TIME OF CONCENTRATION	RAINFALL INTENSITY	C.O.E.FFICIENT OF RUNOFF	SUB-CATCHMENT AREA	EQUIVALENT AREA	SUM OF (C•A)	SUB-CATCHMENT DISCHARGE	FLOW IN K&C (INC. BYPASS)	ROAD GRADE AT INLET	MINOR FLOW ROAD CAPACITY	INLET TYPE	FLOW INTO INLET	BYPASS FLOW	BYPASS STRUCTURE No.	CRITICAL TIME OF CONCENTRATION	RAINFALL INTENSITY	TOTAL (C•A)	MAJOR TOTAL FLOW	MAJOR SURFACE FLOW CAPACITY	MAJOR SURFACE FLOW	PIPE FLOW	REACH LENGTH	PIPE GRADE	PIPE&BOX DIMENSIONS (CLASS)	FLOW VELOCITY FULL (PIPE GRADE VELOCITY)	TIME OF FLOW IN REACH	STRUCTURE CHART No.	STRUCTURE RATIOS FOR 'K' VALUE CALCULATIONS	V2/2g	U/S HEADLOSS COEFFICIENT	U/S HEADLOSS	LAT. HEADLOSS CO-EFFICIENT	LAT. PIPE STRUCTURE HEADLOSS	hl	K w	h w	s F	HF	DEPTH	VELOCITY	PIPE U/S I.L	PIPE D/S I.L	PIPE U/S H G L	PIPE D/S H G L	W.S.E	SURFACE OF K&C INVERT LEVEL	STRUCTURE No.
yrs			min	mm/h		ha	ha	ha	l/s	l/s	%	l/s		l/s	l/s		min.	mm/h	ha	l/s	l/s	l/s	l/s	m	%	mm	m/s	min.			m		m		m			m	%	m	m	m/s	m						
10	G01-33	G01-33 to MH03/25	15	140	0.85	0.058	0.049	0.049	19	19	0.62	0.9	IPWEA-LIL-S	19	0	G01-74	15	140	0.049				19	2.133	0.95	375	0.2	0.006	G01-33	G2	0.002	9.02	0.014				0.114	0.01	0	0.085	1.0	22.7	22.68	23.3	23.3	23.31	24.12	G01-33
100			15	204	0.85	0.058	0.049	0.049	28	28							15	204	0.049	28	108	28				3															23.57	23.56			
								FLOW WIDTH =		1.652	0.08																																			
10	MH03/25												IPWEA-MH2100																	MH03/25	T1/T3		1.35	0.063		1.63	0.176								23.31	24.16	MH03/25
100																																												
								FLOW WIDTH =		0	0																																			
10	G01-34	G01-34 to MH04/25	15	140	0.85	0.053	0.045	0.045	18	18	0.49	0.7	IPWEA-LIL-S	18	0	G01-33	15	140	0.045				18	2.091	1.98	375	0.2	0.006	G01-34	G2	0.001	9.7	0.013				0.113	0.01	0	0.068	1.3	22.86	22.82	23.35	23.35	23.37	24.26	G01-34
100			15	204	0.85	0.053	0.045	0.045	26	26							15	204	0.045	26	107	26				3															23.69	23.69			
								FLOW WIDTH =		1.609	0.079																																			
10	MH04/25												IPWEA-MH2100																	MH04/25	T1/T3		0.84	0.039		0.99	0.146								23.36	24.31	MH04/25
100																																												
								FLOW WIDTH =		0	0																																			
10	G05-35	G05-35 to G04-35	15	140	0.85	0.158	0.134	0.134	52	56	0.7	2.1	IPWEA-LIL-SAG-S	56	0	G01-38	15	140	0.134				56	10.95	0.5	450	0.4	0.064	G05-35		0.006	0	0				)	0.02	0.004	0.162	1.1	23.3	23.24	23.64	23.64	23.64	24.7	G05-35
100			15	204	0.85	0.158	0.134	0.134	76	82							15	204	0.134	76	121	82				3															24.29	24.28			
								FLOW WIDTH =		0	0.007																																			
10	G04-35	G04-35 to MH03/35	15	140	0.85	0.042	0.036	0.036	14	14	0.7	2.8	IPWEA-LIL-S-1200MH	14	0	G01-36	15.17	139	0.17				70	19.97	0.5	450	0.4	0.146	G04-35	T10	0.01	2.79	0.021				0.126	0.05	0.011	0.182	1.2	23.21	23.11	23.62	23.61	23.64	24.73	G04-35
100			15	204	0.85	0.042	0.036	0.036	20	20							15.15	203	0.17	96	128	20				3															24.24	24.21			
								FLOW WIDTH =		1.335	0.07																																			
10	G01-36	G01-36 to MH01/35	15	140	0.85	0.062	0.053	0.053	20	20	0.2	1.44	IPWEA-LIL-SAG-S	20	0	G13-32	15	140	0.053				20	5.092	1	375	0.2	0.016	G01-36	G2	0.002	8.65	0.015				0.115	0.01	0.001	1.087	1.1	22.84	22.78	23.46	23.45	23.47	24.24	G01-36
100			15	204	0.85	0.062	0.053	0.053	30	30							15	204	0.053	30	144	30				3															23.93	23.93			
								FLOW WIDTH =		0	0																																			
10	MH01/35												IPWEA-MH1350																	MH01/35	T3/T6		1.78	0.039		2.11	0.147								23.46	24.28	MH01/35
100																																												
								FLOW WIDTH =		0	0																																			
10	G01-38	G01-38 to MH01/35	15	140	0.85	0.136	0.115	0.115	45	45	0.2	2.02	IPWEA-LIL-SAG-S	45	0	G13-36	15	140	0.115				45	2.108	1	375	0.4	0.014	G01-38	G2	0.008	7.89	0.066				0.066	0.07	0.001	1.129	1.3	22.83	22.81	23.46	23.45	23.52	24.23	G01-38
100			15	204	0.85	0.136	0.115	0.115	65	92							15	204	0.115	65	202	92				3															23.94	23.93			
								FLOW WIDTH =		0	0																																			
10	MH01/35												IPWEA-MH1350																	MH01/35	T3/T6		1.78	0.039		2.11	0.147								23.46	24.28	MH01/35
100																																												
								FLOW WIDTH =		0	0																																			
10	FI04-39	FI04-39 to FI03-39	5	205	0.9	0.027	0.024	0.024	14	19	0.5	7.42	IPWEAQ FI 900x600 ONGRADE	16	4	GI5-35	5	205	0.024				16	7.5	1	375	0.1	0.018	FI04-39	G1	0.001	7	0.007				0.007	0.4	0.051	1.076	1.1	24.02	23.95	24.11	24.08	24.12	25.42	FI04-39
100			5	304	0.9	0.027	0.024	0.024	20	29							5	304	0.024	20	74.2	29				3															24.55	24.55			
								FLOW WIDTH =		1.555	0.055																																			
10	FI03-39	FI03-39 to FI02-39	5	205	0.9	0.058	0.052	0.052	30	30	0.5	2.83	IPWEAQ FI 900x600 ONGRADE	24	6	FI14-39	5.13	204	0.076				39	16	0.5	375	0.4	0.093	FI03-39	G1/T1	0.006	3.05	0.019				0.019	0.16	0.054	1.144	1.1	23.92	23.84	24.06	24.04	24.08	25.46	FI03-39
100			5	304	0.9	0.058	0.052	0.052	44	44							5.11	302	0.076	64	283	44				3															24.51	24.49			
								FLOW WIDTH =		1.935	0.064																																			
10	G01-40	G01-40 to MH06/25	5	205	0.9	0.11	0.099	0.099	57	57	0.5	1.36	IPWEA-LIL-SAG-S	57	0	G01-38	5.71	119	0.312				172	7.73	1	375	1.6	1.201	G01-40	T9/T10	0.124	1.79	0.223				2.01	0.249	0.96	0.075	0.302	1.8	22.81	22.73	23.51	23.44	23.76	24.4	G01-40
100			5	304	0.9	0.11	0.099	0.099	84	149							5.67	214	0.312	215	123	149				3															24.03	23.89			
								FLOW WIDTH =		0	0.008																																			
10	MH06/25												IPWEA-MH2100																	MH06/25	T1/T3		0.8	0.032		0.95	0.137								23.45	24.51	MH06/25
100																																												
								FLOW WIDTH =		0	0																																			
10	G03-41	G03-41 to G02-41	5	205	0.9	0.059	0.053	0.053	30	30	0.5	4.91	IPWEA-LIL-S	30	0	G02-41	5	215	0.053				30	30	1	375	0.3	0.135	G03-41	G1	0.004	7	0.027				0.027	0.02	0.008	0.105	1.2	23.26	22.96	23.55	23.54	23.57	24.66	G03-41
100			5	304	0.9	0.059	0.053	0.053	45	45							5	314	0.053	45	4.91	45				3															24.1	24.08			
								FLOW WIDTH =		2.009	0.091																																			
10	G02-41	G02-41 to G01-41	5	205	0.9	0.044	0.04	0.04	23	23	0.5	4.91	IPWEA-LIL-S	23	0	G01-41	5.42	231	0.093				52	24.38	0.4	375	0.5	1.191	G02-41	T1	0.011	1.78	0.02				0.42	0.09	0.021	0.181	1.0	22.93	22.84	23.52	23.5	23.54	24.51	G02-41
100			5	304	0.9	0.044	0.04	0.04	34	34							5.38	218	0.093	17	4.91	34				3															24.05	24			
								FLOW WIDTH =		1.782	0.084																																			
10	G01-41	G01-41 to MH06/25	5	205	0.9	0.051	0.046	0.046	26	26	0.5	1.36	IPWEA-LIL-SAG-S	26	0	G01-34	5.83	118	0.139				76	4.702	0.4	375	0.7	0.054	G01-41	T9/T10	0.024	2.09	0.051				2.49	0.16	0.19	0.089	0.228	1.1	22.81	22.79	23.45	23.44	23.51	24.39	G01-41
100			5	304	0.9	0.051	0.046	0.046	39	39							5.75	213	0.139	113	136	39				3															23.91	23.89			
								FLOW WIDTH =		0	0																																			
10	MH06/25												IPWEA-MH2100																	MH06/25	T1/T3		0.8	0.032		0.95	0.137								23.45	24.51	MH06/25
100																																												
								FLOW WIDTH =		0	0																																			
10	G02-42	G02-42 to G01-42	15	140	0.85	0.061	0.052	0.052	20	20	0.25	1.57	IPWEA-LIL-SAG-S	20	0	G01-42	15.37	119	0.147				57	16.66	0.5	375	0.5	1.142	G02-42	T9/T10	0.113	2.28	0.03				2.67	0.086	0.1	0.017	0.178	1.1	23.37	23.29	23.78	23.76	23.82	24.94	G02-42
100			15	204	0.85	0.061	0.052	0.052	29	94							15.33	212	0.147	82	31	94				3															24.89	24.85			
								FLOW WIDTH =		0	0																																			
10	G01-42	G01-42 to MH07/25	15	140	0.85	0.108	0.092	0.092	36	36	0.23	1.80	IPWEA-LIL-SAG-S	36	0	G01-76	15.62	118	0.239				91	27.8	0.5	375	0.8	1.385	G01-42	T3/T6	0.035	1.83	0.064				2.41	0.084	0.27	0.075	0.239	1.2	23.26	23.12	23.7	23.62	23.78	24.87	G01-42
100			15	204	0.85	0.108	0.092	0.092	52	115							15.56	211	0.239	113	104	115				3															24.63	24.32			
								FLOW WIDTH =		0	0																																			
10	MH07/25												IPWEA-MH2100																	MH07/25	T3/T6		1.78	0.026		2.15	0.082								23.63	25.22	MH07/25
100																																												
								FLOW WIDTH =		0	0																																			
10	G01-43	G01-43 to G02-42	15	140	0.85	0.112	0.095	0.095	37	37	1	1.08	IPWEA-LIL-SAG-S	37	0	G01-42	15	140	0.095				37	27.91	1.01	375	0.3	1.154	G01-43	G2	0.006	9.7	0.056				0.056	0.01	0.047	0.117	1.3	23.67	23.39	23.81	23.81	23.87	25.17	G01-43
100			15	204	0.85	0.112	0.095	0.095	54	54							15	214	0.095	54	108	54				3															24.96	24.93			
								FLOW WIDTH =		0	0																																			
10	G02-42		15	140	0.85	0.061	0.052	0.052	20	20	0.25	1.57	IPWEA-LIL-SAG-S	20	0	G01-42													G02-42	T9/T10		2.28	0.03				2.67	0.086								23.82	24.94	G02-42
100			15	204	0.85	0.061	0.052	0.052	29	94											31	94																								
								FLOW WIDTH =		0	0																																			
10	FI01-44	FI01-44 to MH06A/25	5	205	0.9	2.559	2.303	2.303	1312	1312			IPWEA-FI-9X9-T1-APR	1312	0		5	215	2.303				1312	22.91	0.9	900	2.1	1.787	FI01-44		0.217	0	(				(	0.52	0.12	0.589	3.0	22.66	22.45	23.71	23.59	23.71	25.5	FI01-44
100			5	304	0.9	2.559	2.303	2.303	1945	1945				1945	0		5	314	2.303	1945	1945	22.91	1945	22.91	1	3						0.053	0.83	0.043				(	1.15	0.284	0.833	3.16	22.71	22.48	24.5	24.24			
								FLOW WIDTH =		0	1.1																																			
10	MH06A/25												IPWEA-MH2100																	MH06A/25	T6/T9		2.18	0.111		2.49	0.127								23.61	24.85	MH06A/25
100																																												
								FLOW WIDTH =		0	0																																			
10	G01-45	G01-45 to MH09/25	5	205	0.9	0.082	0.073	0.073	42	45	0.11	3.67	IPWEA-LIL-SAG-S	45	0	G02-42	5	215	0.073				45	9.294	1	375	0.4	0.062	G01-45	G2	0.008	9.7	0.081				0.081	0.01	0.006	0.129	1.3	23.5	234	23.77	23.77	23.85	24.91	G01-45
100			5	304	0.9	0.082	0.073	0.073	62	208							5	314	0.073	62	143	238				3															24.65	24.59			
								FLOW WIDTH =		0	0																																			
10	MH09/25												IPWEA-MH2100																	MH09/25	T3		1.75	0.08		2.1	0.096								23.78	25.22	MH09/25
100																																												
								FLOW WIDTH =		0	0																																			
10	G01-46	G01-46 to MH09/25	5	205	0.9	0.132	0.119	0.119	68	71	0.28	3.67	IPWEA-LIL-SAG-S	71	0	G01-45	5	215	0.119				71	8.959	1	375	0.6	0.096	G01-46	G2	0.021	9.5	0.201				0.201	0.03	0.014	0.166	1.5	23.49	234	23.77	23.77	23.97	24.89	G01-46
100			5	304	0.9	0.132	0.119	0.119	101	106							5	314	0.119	110	36.7	106				3															24.62	24.59			
								FLOW WIDTH =		0	0.019																																			

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

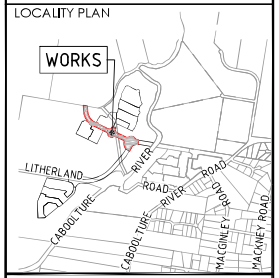
Date: 03/07/2026

Queensland Government

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE	29.05.2026	DF

Client

Stockland

Project

RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

M. Shaw

Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:26 10'00'

Drawing Title

STORMWATER CALCULATION TABLE SHEET 2

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	45 of 65

Drawing No	Revision
A1 24-283-45	B

M:\2024\24283 Rivermont P2 EMW District Collector\Engineering\Acad\24-283-44 ST-SW-CALCS.dwg Plotted by: DF on 29/05/2026 3:41:15 PM

| LOCATION | | | TIME | | SUB-CATCHMENT RUNOFF | | | | | INLET DESIGN | | | | | DRAIN DESIGN | | | | |

LOCATION			TIME		SUB-CATCHMENT RUNOFF					INLET DESIGN						DRAIN DESIGN												HEADLOSSES											PART FULL			DESIGN LEVELS						
			tc	I	C	A	C*A	ΣC*A	Q					Qg	Qb		tc	I	ΣC*A	Qt	Qm	Qs	Qp	L	S		V	T			V2/2g	Ku	hu	Kl	hl	Kw	hw	sF	HF		vP						
DESIGN ARI	STRUCTURE No.	DRAIN SECTION	SUB-CATCHMENT TIME OF CONCENTRATION	RAINFALL INTENSITY	COEFFICIENT OF RUNOFF	SUB-CATCHMENT AREA	EQUIVELANT AREA	SUM OF (C*A)	SUB-CATCHMENT DISCHARGE	FLOW IN K&C (INC. BYPASS)	ROAD GRADE AT INLET	MINOR FLOW ROAD CAPACITY	INLET TYPE	FLOW INTO INLET	BYPASS FLOW	BYPASS STRUCTURE No.	CRITICAL TIME OF CONCENTRATION	RAINFALL INTENSITY	TOTAL (C*A)	MAJOR TOTAL FLOW	MAJOR SURFACE FLOW CAPACITY	MAJOR SURFACE FLOW	PIPE FLOW	REACH LENGTH	PIPE GRADE	PIPE ØBOX DIMENSIONS (CLASS)	FLOW VELOCITY FULL (PIPE GRADE VELOCITY)	TIME OF FLOW IN REACH	STRUCTURE CHART No.	STRUCTURE RATIOS FOR 'K' VALUE CALCULATIONS	VELOCITY HEAD	U/S HEADLOSS COEFFICIENT	U/S PIPE STRUCTURE HEADLOSS	LAT. HEADLOSS COEFFICIENT	LAT. PIPE STRUCTURE HEADLOSS	W.S.E CO-EFFICIENT	CHANGE IN W.S.E	PIPE FRICTION SLOPE	PIPE FRICTION HEADLOSS (L*Sf)	DEPTH	VELOCITY	PIPE U/S I.L	PIPE D/S I.L	PIPE U/S H.G.L	PIPE D/S H.G.L	W.S.E	SURFACE OF K&C INVERT LEVEL	STRUCTURE No.
yrs			min	mm/h		ha	ha	ha	l/s	l/s	%	l/s		l/s	l/s		min.	mm/h	ha	l/s	l/s	l/s	l/s	m	%	mm	m/s	min.			m		m		m					m	m/s	m	m	m	m	m	m	
10	FI02-64	FI02-64 to FI01-64	5	205	0.9	0.019	0.017	0.017	10	23	0.5	220	IPWEAQ FI 900x600 ONGRADE	18	5	FI01-64	5.16	204	0.108				61	15.82	1	375	0.6	0.145	FI02-64	T1	0.016	1.44	0.022				0.022	0.75	0.146	0.153	1.4	23.94	23.78	24.11	24	24.14	25.12	FI02-64
100			5	304	0.9	0.101	0.091	0.091	77	83							5	304	0.091	77	220	83									3											25	24.99				
								FLOW WIDTH =		2.739	0.057																																				
10	FI01-64	FI01-64 to MH10/25	5	205	0.9	0.023	0.021	0.021	12	16	0.5	220	IPWEAQ FI 900x600 ONGRADE	13	3	G01-46	5.35	202	0.129				73	4.579	1	375	0.7	0.05	FI01-64	T9/T10	0.023	2.3	0.052			2.7	0.061	0.82	0.045	0.169	1.5	23.75	23.7	23.95	23.91	24.01	25.04	FI01-64
100			5	304	0.9	0.019	0.017	0.017	14	41							5.15	302	0.108	91	220	41									3											24.95	24.91				
								FLOW WIDTH =		2.385	0.052																																				
10	MH10/25												IPWEA-MH1800																	MH10/25	T3/T6		1.27	0.081		1.44	0.092							23.92	25.09	MH10/25
100			5	304	0.9	0.023	0.021	0.021	18	26							5.32	299	0.129	107	220	26																				24.83	24.82				
								FLOW WIDTH =		0	0																																				
10	FI03-65	FI03-65 to FI02-65	5	205	0.9	0.111	0.1	0.1	57	63	0.5	220	IPWEAQ FI 900x600 ONGRADE	46	16	FI02-65	5	205	0.1				46	12.87	1	375	0.4	0.09	FI03-65	G2	0.009	9.7	0.087				0.087	0.81	0.123	0.132	1.3	24.09	23.97	24.25	24.15	24.34	25.16	FI03-65
100																										3																				
								FLOW WIDTH =		4.119	0.078																																				
10	FI02-65	FI02-65 to FI01-65	5	205	0.9	0.014	0.013	0.013	7	24	0.5	197	IPWEAQ FI 900x600 ONGRADE	19	5	FI01-65	5.16	204	0.113				65	15.82	1	375	0.6	0.156	FI02-65	T1	0.018	1.42	0.025				0.025	0.22	0.085	0.158	1.5	23.94	23.78	24.12	24.09	24.15	25.09	FI02-65
100			5	304	0.9	0.111	0.1	0.1	84	102							5	304	0.1	84	220	102									3											25.1	25.09				
								FLOW WIDTH =		2.784	0.058																																				
10	FI01-65	FI01-65 to MH10/25	5	205	0.9	0.018	0.016	0.016	9	14	0.44	6562	WEAQ FI 900x600 1200 MH ONGRA	11	3	G01-45	5.34	202	0.534				303	2.114	1.01	525	1.4	0.049	FI01-65	T1/T3	0.1	1.66	0.165			2.02	0.202	0.61	0.021	0.324	2.2	23.55	23.53	23.92	23.91	24.12	25.01	FI01-65
100			5	304	0.9	0.014	0.013	0.013	11	58							5.15	302	0.113	95	220	58				3																25.05	25.01				
								FLOW WIDTH =		2.085	0.022																																				
10	MH10/25												IPWEA-MH1800																	MH10/25	T3/T6		1.27	0.081		1.44	0.092							23.92	25.09	MH10/25
100			5	304	0.9	0.018	0.016	0.016	14	91							5.32	299	0.534	444	6562	91																				24.83	24.82				
								FLOW WIDTH =		0	0																																				
10	G01-66	G01-66 to MH07/25	15	140	0.85	0.075	0.063	0.063	25	25	0.92	3257	IPWEA-LIL-S	25	0	G03-41	15	140	0.063				25	7.752	1	375	0.2	0.028	G01-66	G2	0.003	9.7	0.025				0.025	0.35	0.053	0.095	1.1	23.54	23.46	23.65	23.62	23.68	24.92	G01-66
100																										3																				
								FLOW WIDTH =		1.492	0.08																																				
10	MH07/25												IPWEA-MH2100																	MH07/25	T3/T6		1.78	0.026		2.15	0.032							23.63	25.22	MH07/25
100			15	204	0.85	0.075	0.063	0.063	36	36							15	204	0.063	36	3257	36																				24.32	24.32				
								FLOW WIDTH =		0	0																																				
10	G01-67	G01-67 to MH03/1	15	140	0.85	0.127	0.108	0.108	42	42	0.5	112	IPWEA-LIL-S	42	0	G01-4	15	140	0.108				42	3.274	1.62	375	0.4	0.021	G01-67	G2	0.007	9.7	0.071				0.071	2.77	0.023	0.11	1.6	24.19	24.14	24.34	24.25	24.41	25.57	G01-67
100																										3																				
								FLOW WIDTH =		2.438	0.079																																				
10	MH03/1												IPWEA-MH1350																	MH03/1	T1/T3		0.41	0.052		0.46	0.058							24.09	25.6	MH03/1
100			15	204	0.85	0.127	0.108	0.108	61	227							15	204	0.108	61	112	227																				24.74	24.71				
								FLOW WIDTH =		0	0																																				
10	G01-69	G01-69 to G03-27	15	140	0.85	0.039	0.033	0.033	13	13	0.55	192	IPWEA-LIL-S	13	0	G01-62	15	140	0.033				13	8.586	1	375	0.1	0.017	G01-69	G2	0.001	9.7	0.007				0.007	0	0.001	0.069	0.9	22.74	22.65	22.98	22.98	22.99	24.06	G01-69
100																										3																				
								FLOW WIDTH =		1.503	0.053																																				
10	G01-75	G01-75 to MH12/25	15	140	0.85	0.185	0.158	0.158	61	61	2.68	219	IPWEA-LIL-S	55	6	FI03-65	15	140	0.158				55	9.348	1	375	0.5	0.078	G01-75	G2	0.013	9.7	0.125				0.125	1.28	0.084	0.145	1.4	24.26	24.17	24.44	24.32	24.56	26.2	G01-75
100																										3																				
								FLOW WIDTH =		5.751	0.069																																				
10	MH12/25												IPWEA-MH1350																	MH12/25	T3/T6		1.73	0.098		1.99	0.113							24.14	25.73	MH12/25
100			15	204	0.85	0.185	0.158	0.158	89	89							15	204	0.158	90	219	89																				25.22	25.2				
								FLOW WIDTH =		0	0																																				
10	G01-76	G01-76 to MH07/25	15	140	0.85	0.029	0.025	0.025	10	10	0.38	2547	IPWEA-LIL-S	10	0	G03-40	15	140	0.025				10	8.517	10.49	375	0.1	0.013	G01-76	G2	0	9.7	0.004				0.004	3.3	0.305	0.034	1.9	23.83	22.94	23.9	23.62	23.91	24.91	G01-76
100																										3																				
								FLOW WIDTH =		1.088	0.068																																				
10	MH07/25												IPWEA-MH2100																	MH07/25	T3/T6		1.78	0.026		2.15	0.032							23.63	25.22	MH07/25
100			15	204	0.85	0.029	0.025	0.025	14	25							15	204	0.025	14	2547	25																				24.32	24.32				
								FLOW WIDTH =		0	0																																				
10	FI04-77	FI04-77 to FI03-77	15	140	0.85	0.05	0.043	0.043	17	17			IPWEAQ FI 900x600 ONGRADE	17	0		15	140	0.043				17	4.81	0.4	375	0.2	0.012	FI04-77	G2	0.001	9.7	0.011				0.011	0.38	0.019	0.098	0.7	24.29	24.27	24.38	24.37	24.4	26.3	FI04-77
100																										3																				
								FLOW WIDTH =		0	0																																				
10	FI03-77	FI03-77 to FI02-77	15	140	0.85	0.017	0.014	0.014	6	6			IPWEA-FI-6X9-T2B	6	0		15.11	140	0.057				22	11.05	0.4	375	0.2	0.037	FI03-77	T6/T9	0.002	2.4	0.005		2.7	0.006	0.07	0.02	0.114	0.8	24.24	24.19	24.36	24.35	24.37	26.3	FI03-77
100			15	204	0.85	0.05	0.043	0.043	24	24							15	204	0.043	24		24				3																25.81	25.81				
								FLOW WIDTH =		0	0.031																																				
10	FI02-77	FI02-77 to G01-77	15	140	0.85	0.019	0.016	0.016	6	6			IPWEA-FI-6X9-T2B	6	0		15.35	139	0.074				28	11.44	0.4	375	0.3	0.05	FI02-77	T9/T10	0.003	2.46	0.008		2.76	0.009	0.03	0.009	0.129	0.8	24.16	24.12	24.34	24.34	24.35	26.3	FI02-77
100			15	204	0.85	0.017	0.014	0.014	8	8							15.1	203	0.057	32		8				3																25.8	25.8				
								FLOW WIDTH =		0	0.035																																				
10	G01-77	G01-77 to G01-50	0	0		0	0	0	0	0	1.69		IPWEA-LIL-S	0	0	3.5	15.57	138	0.074				28	18.8	5.56	375	0.3	0.078	G01-77	T6/T9	0.003	2.33	0.008		2.62	0.009	0.01	0.005	0.066	2.1	24.09	23.04	24.33	24.33	24.34	25.78	G01-77
100			15	204	0.85	0.019	0.016	0.016	9	9							15.31	202	0.074	42		9				3																25.78	25.78				
								FLOW WIDTH =		0	0																																				
10	G01-50		15	140	0.85	0.081	0.069	0.069	27	27	0.26	73	IPWEA-LIL-SAG-S-1200MH	27	0	3.5													G01-50	T1/T3		1.3	0.057		1.5	0.066							24.34	26.2	G01-50
100			0	0		0	0	0	46	46							15.4	202	0.074	42	433	46																				25.62	25.61				
								FLOW WIDTH =		0	0																																				
10	G01-78	G01-78 to MH03/1	15	140	0.85	0.025	0.022	0.022	8	8	0.5	174	IPWEA-LIL-S	8	0	G01-79	15	140	0.022				8	8.088	1	375	0.1	0.011	G01-78	G2	0	9.7	0.003				0.003	1.11	0.078	0.056	0.8	24.12	24.04	24.19	24.1	24.19	25.5	G01-78
100			15	204	0.85	0.081	0.069	0.069	39	39											73	39				3																				
								FLOW WIDTH =		1.136	0.065																																				
10	MH03/1												IPWEA-MH1350																	MH03/1	T1/T3		0.41	0.052		0.46	0.058							24.09	25.6	MH03/1
100			15	204	0.85	0.025	0.022	0.022	12	12							15	204	0.022	12	174	12																				24.71	24.71				
								FLOW WIDTH =		0	0																																				
10	G01-79	G01-79 to MH02/1	15	140	0.85	0.032	0.027	0.027	11	11	0.08	47	IPWEA-LIL-SAG-S	11	0	LOST	15	140	0.027				11	5.662	1	375	0.1	0.009	G01-79	G2	0	9.7	0.005				0.005	1.18	0.053	0.062	0.9	24.09	24.03	24.16	24.09	24.16	25.47	G01-79
100																										3																				
								FLOW WIDTH =		0	0																																				

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-4894

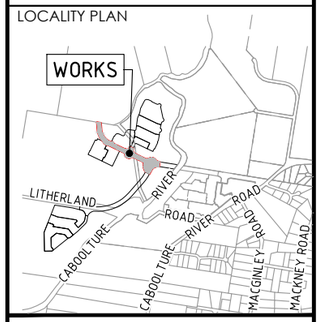
Date: 03/07/2026

Queensland Government

DO NOT SCALE THIS DRAWING
IF IN DOUBT - ASK!

NORTH

LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	15.12.2025	RP
B	RFI RESPONSE WIP	29.05.2026	DF

Client

Stockland

Project

RIVERMONT - MAIN STREET & RIVERMONT BOULEVARD EMW ROAD

kn group
L1, 62 Astor Terrace, Spring Hill, QLD 4000
www.kngroup.com.au | 07 3017 1900

Approved Director - RPEQ 17544

Digitally signed by Mark Shaw RPEQ 17544
Date: 2026.06.01 12:25:28 +10'00'

Drawing Title

STORMWATER CALCULATION TABLE SHEET 4

Drawn	Designed	Checked	Date
RP	JB	MAS	MAY' 26

Scale	Sheet
AS SHOWN	47 of 65

	Drawing No	Revision
A1	24-283-47	A

M:\2024\24283 Rivermont P2 EMW District Collector\Engineering\Acad\24-283-44-52-SW-CALCS.dwg Plotted by AL on 10/06/2026 5:21:40 PM