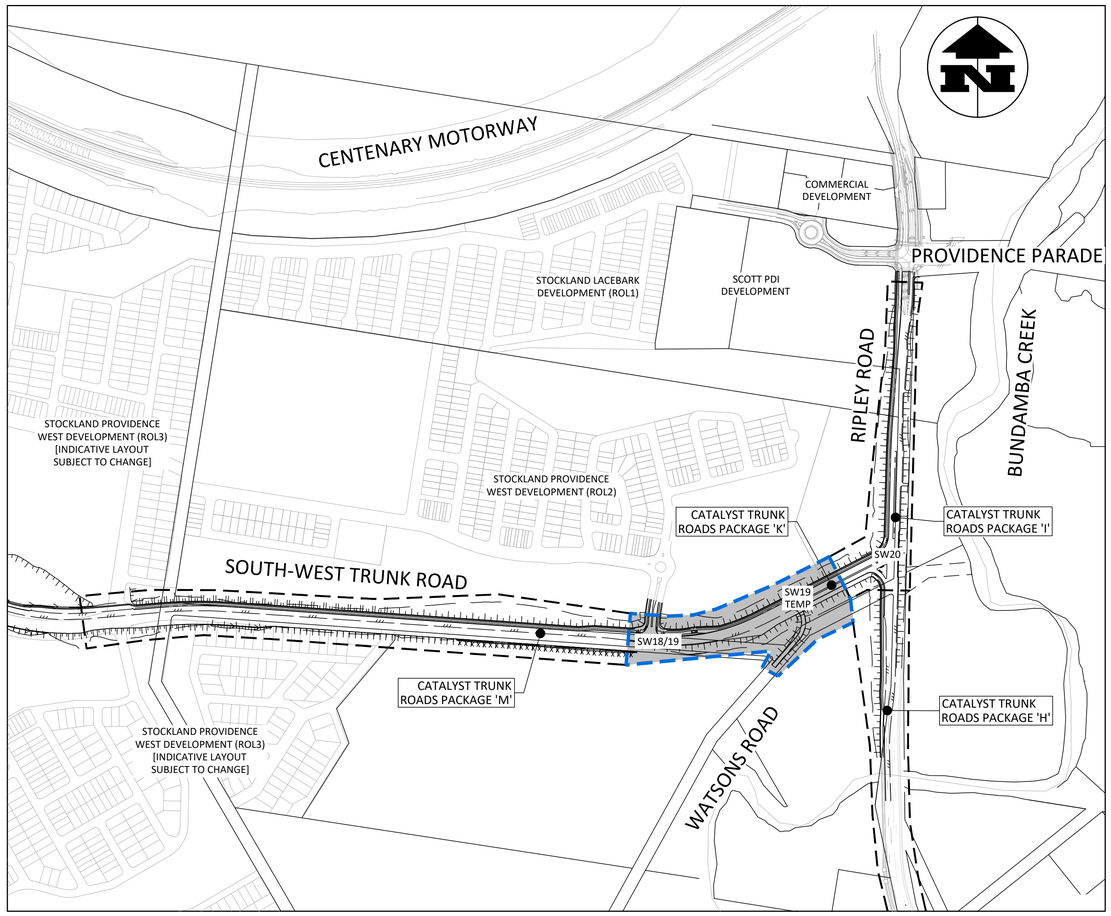
RIPLEY CATALYST SOUTH TRUNK ROADS
FUNCTIONAL DESIGN
PACKAGE K - INTERIM
SOUTH RIPLEY, QUEENSLAND 4306



LOCALITY PLAN
N.T.S

DRAWING LIST

PACKAGE K INTERIM: FUNCTIONAL LAYOUT PLANS	
FL7001	INTERIM DESIGN COVER SHEET, DRAWING LIST AND GENERAL NOTES
FL7002	INTERIM DESIGN SIGNS AND LINEMARKING NOTES AND DETAILS
FL7003	INTERIM DESIGN FUNCTIONAL LAYOUT KEY PLAN
FL7010	INTERIM DESIGN FUNCTIONAL LAYOUT DETAILED LAYOUT SHEET 1
FL7011	INTERIM DESIGN FUNCTIONAL LAYOUT DETAILED LAYOUT SHEET 2
FL7012	INTERIM DESIGN FUNCTIONAL LAYOUT DETAILED LAYOUT SHEET 3
FL7020	EARTHWORKS LAYOUT SHEET 1
FL7021	EARTHWORKS LAYOUT SHEET 2
FL7030	LAND DEDICATION PLAN
FL7040	TYPICAL SECTIONS SHEET 1
FL7041	TYPICAL SECTIONS SHEET 2
FL7050	ROADWORKS LONGINTUDINAL SECTIONS SHEET 1
FL7051	ROADWORKS LONGINTUDINAL SECTIONS SHEET 2
FL7052	ROADWORKS LONGINTUDINAL SECTIONS SHEET 3
FL7060	TURN TEMPLATES LAYOUT SHEET 1
FL7061	TURN TEMPLATES LAYOUT SHEET 2

NOTES

1. CROSS REFERENCES

REFER TO THE FOLLOWING SUPPORTING INFORMATION FOR PROJECT SPECIFIC REQUIREMENTS

A. DETAILED SURVEY - PREPARED BY RPS CONSULTING DATED 10/01/2025 (REF: PR116052-567)
B. FLOOD REPORT - PREPARED BY WATER ENGINEERING PARTNERS DATED 08/09/2025 (REF: 30024.002.01)
C. TRAFFIC ASSESSMENT - PREPARED BY SLR CONSULTING DATED 30/09/2025 (REF: 620.30351.01900)

2. EARTHWORKS DESIGN BASIS

THE BULK EARTHWORKS DESIGN HAS BEEN BASED UPON THE FOLLOWING

A. TOP OF THE PROVISIONAL SUBGRADE LAYER SHOWN ON THE PRELIMINARY PAVEMENT DESIGN. EARTHWORKS LEVELS TO BE ADJUSTED ON SITE BASED ON THE FINAL PAVEMENT DESIGN (TO BE CONFIRMED BY SUBGRADE TESTING ON SITE - REFER ROADWORKS NOTES)
B. FINISHED SURFACE LEVELS IN ALL OTHER AREAS (TOP OF FOOTPATHS, TOP OF LANDSCAPING AREAS, TOP OF TOPSOILED AREAS, EXPOSED FACE OF RETAINING WALLS ETC)

THE BULK EARTHWORKS DESIGN AND LEVELS ARE A GUIDE ONLY AND EXCLUDE

C. BOX OUT FOR TOPSOILED AREAS (FINISHED SURFACE SHOWN)
D. DETAILED EXCAVATION (FOOTINGS, TRENCHING, SLAB SET DOWNS, LANDSCAPE AREAS, DEEP PLANTING, ETC)
E. TEMPORARY WORKS (TEMPORARY BATTERS, WORKING PLATFORMS, RAMPS, RETAINING WALL EXCAVATIONS ETC)
F. INTERFACE BETWEEN CUT / FILL AREAS; BATTERS FOR SITE REPLACEMENT MATERIAL

3. GENERAL NOTES

A. THE FUTURE LOT LAYOUTS OF THE SURROUNDING DEVELOPMENTS SHOWN ON THESE PLANS ARE INDICATIVE ONLY AND ARE SUBJECT TO SEPARATE APPROVALS.
B. PROPOSED ROAD EMBANKMENT BATTER SLOPES ARE SUBJECT TO FUTURE DESIGN PHASES AND ASSESSMENT BY A GEOTECHNICAL ENGINEER AS PART OF DETAILED DESIGN.

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STATUS
FOR APPROVAL

SCAN QR CODE TO CONFIRM CURRENT DRAWING REVISION
http://docs.bornhorstward.com.au/revision/

REV	DATE	DESCRIPTION	DWN	DES	CHK	APP
D	17.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
C	14.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
B	06.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
A	08.10.25	PRELIMINARY FOR CO-ORDINATION	SG	SG	NR	

ASSOCIATED CONSULTANTS

APPROVED 7729 RPEQ DATE 14/11/25
CHECKED DATE 14/11/25

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CLIENT: STOCKLAND DEVELOPMENT PTY LTD — Stockland
PROJECT: RIPLEY CATALYST FUNDING SOUTH-WEST TRUNK ROAD - PACKAGE K
SUBJECT: INTERIM DESIGN COVER SHEET, DRAWING LIST AND GENERAL NOTES
PROJECT No. 22250
DRAWING No. FL7001
REVISION D

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ORIGINAL SIZE A1

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SIGNS AND LINE MARKING NOTES

1. CROSS REFERENCES

NIL

2. DESIGN BASIS

THE SIGNS AND LINE MARKING DESIGN HAS BEEN BASED UPON THE FOLLOWING:

A. THE QUEENSLAND GOVERNMENT, QUEENSLAND MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (Q-MUTCD) AND THE AUSTROADS GUIDE TO ROAD DESIGN.

B. THE SIGN AND LINE MARKING POSITIONING ON THE PROJECT DRAWINGS PROVIDE THE GENERAL DESIGN INTENT, WITH CRITICAL DIMENSIONS SHOWN. FOR DISPLAY PURPOSES HOWEVER, SOME ELEMENTS ARE LARGELY DIAGRAMMATIC.

3. SITE MANAGEMENT

THE CONTRACTOR IS TO:

A. INSTALL THE SIGNS AND LINE MARKING IN ACCORDANCE WITH Q-MUTCD AND THE SPECIFICATIONS, TO ACHIEVE THE GENERAL DESIGN INTENT OF THE PROJECT DRAWINGS.

4. MATERIALS

ALL ITEMS:

A. REFER TO THE SPECIFICATIONS & STANDARD DRAWINGS LISTED.

SIGNS:

B. ALL SIGNS ARE TO BE REFLECTORISED AS PER PART 1 OF THE Q-MUTCD.

C. POSTS AND HARDWARE TO LOCAL AUTHORITY REQUIREMENTS.

LINE MARKING:

D. CHLORINATED RUBBER MODIFIED ALKYD BASED PAVEMENT MARKING PAINT IS TO BE USED FOR ALL CONCRETE SURFACES.

E. ALL MARKINGS ARE TO BE INSTALLED WITH A HIGH SKID RESISTANCE MATERIAL.

GUIDE POSTS:

RETROREFLECTIVE RAISED PAVEMENT MARKERS (RRPM):

F. REFER TO THE SPECIFICATIONS.

SERVICE MARKERS:

G. REFER TO THE SEQ CODE AND SPECIFICATIONS.

5. EXECUTION

ALL ITEMS:

A. REFER TO THE SPECIFICATIONS & STANDARD DRAWINGS LISTED.

SIGNS:

B. MINIMUM CLEARANCES TO THE EDGE OF SIGN

- UNKERBED ROADS
  - 600mm FROM OUTER EDGE OF SHOULDER
  - 600mm FROM LINE OF GUIDE POSTS
  - 600mm FROM FACE OF GUARD RAIL
- KERBED ROADS
  - 300mm FROM FACE OF KERB ON UPRIGHT KERBS ON THE ROAD EDGE
  - 500mm FROM FACE OF KERB WHERE MOUNTABLE OR SEMI MOUNTABLE KERBS ARE USED, AND ON TRAFFIC ISLANDS
- BIKE PATHS / JOINT USE PATHS
  - 600mm FROM EDGE OF PATH

C. MOUNTING HEIGHT

- GENERALLY AS PER Q-MUTCD PART 1, CL1.12.3.4, 1.12.3.5 UNLESS MODIFIED BY THE SPECIFICATION OR STANDARD DRAWING.
- CHEVRON ALIGNMENT MARKERS - MAX 1.2m TO UNDERSIDE OF SIGN.
- KEEP LEFT SIGNS - 525mm ABOVE ISLAND OR FOOTPATH SURFACE, UNLESS MODIFIED BY THE SPECIFICATION OR STANDARD DRAWING.
- HAZARD MARKERS - 525mm ABOVE ISLAND OR FOOTPATH SURFACE, UNLESS MODIFIED BY THE SPECIFICATION OR STANDARD DRAWING

LINE MARKING:

D. INSTALL PRODUCTS AS PER THE MANUFACTURERS REQUIREMENTS, INCLUDING SURFACE PREPARATION.

E. REMOVE REDUNDANT LINE MARKING ONLY BY ABRASIVE BLASTING (INCLUDING WATER BLASTING) OR BY COLD PLANNING OR GRINDING.

GUIDE POSTS:

F. INSTALL 1.2m FROM EDGE OF BITUMEN

RETROREFLECTIVE RAISED PAVEMENT MARKERS (RRPM):

G. INSTALL ION ACCORDANCE WITH THE Q-MUTCD PART 5.6 AND AS1906.3 EXCEPT NOTED AS FOLLOWS:

- EDGE LINES - NOT REQUIRED
- CONTINUITY LINES - NOT REQUIRED

H. NORMAL SPACING 'N' BETWEEN RRPM'S TO BE AS PER Q-MUTCD TABLE 5.5. FOR MARKERS ON OUTLINES OF PAINTED MEDIAN STRIPS AND SEPARATORS, ADOPT PREFERRED DIMENSION, 'N', AS 6.0m.

SERVICE MARKERS:

I. FOR NEW AND EXISTING WATER, INSTALL ROAD PAVEMENT, KERB MARKERS AND IDENTIFICATION MARKER POSTS AS PER SEQ CODE STANDARD DRAWING SEQ-WAT-1300-1.

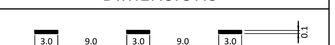
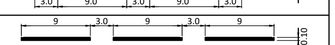
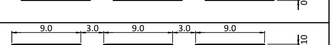
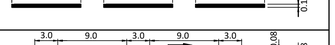
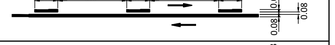
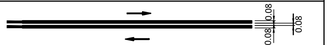
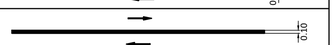
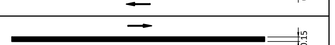
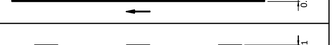
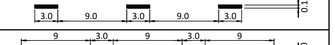
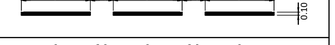
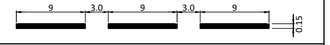
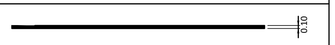
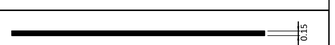
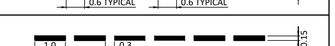
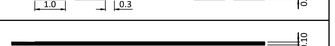
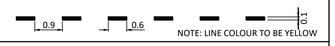
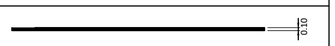
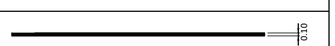
J. WHERE EXISTING MARKERS ARE DISTURBED AS A RESULT OF THE WORKS, REINSTATE AS PER THE ABOVE STANDARD DRAWINGS.

PAVEMENT

PROPOSED

- CONCRETE ISLANDS
- PROPOSED ROAD
- PROPOSED 2.5m WIDE TWO-WAY BIKE WAY
- PROPOSED 1.5m WIDE FOOTPATH
- PROPOSED SHARED PATHWAY

LINEMARKING LEGEND

TYPE	DESCRIPTION	DIMENSIONS
DL1	SINGLE BROKEN DIVIDING LINE	
DL2	SINGLE BROKEN DIVIDING LINE (SPECIAL PURPOSE)	
DL3	SINGLE BROKEN DIVIDING LINE (SPECIAL PURPOSE)	
BL1	DOUBLE ONE -WAY BARRIER LINE	
BL2	DOUBLE TWO -WAY BARRIER LINE	
BL3	SINGLE TWO -WAY BARRIER LINE	
BL4	SINGLE TWO -WAY BARRIER LINE	
LL1	SINGLE BROKEN LANE LINE	
LL2	SINGLE BROKEN LANE LINE (SPECIAL PURPOSE)	
LL3	SINGLE BROKEN LANE LINE (SPECIAL PURPOSE)	
LL4	SINGLE CONTINUOUS LANE LINE	
EL1	EDGE LINE	
EL2	EDGE LINE (MAY BE USED ON EXPRESS WAY TYPE ROADS)	
CL1	CONTINUITY LINE	
CL2	CONTINUITY LINE (MAY BE USED ON EXPRESS WAY TYPE ROADS)	
CL3	CONTINUITY LINE	
OL1	OUTLINE MARKING	
OL2	OUTLINE MARKING (MAY BE USED ON EXPRESS WAY TYPE ROADS)	
TL	TURN LINE	
SL	STOP LINE	
GWL	GIVE WAY LINE	
PL	PEDESTRIAN GUIDE LINE	
PS1	CONTINUOUS LINE - PARKING SPACE	
PS2	BROKEN LINE - PARKING SPACE (SPECIAL PURPOSE)	
NS1	CONTINUOUS LINE - NO STOPPING	
NS2	BROKEN LINE - ZONE (SPECIAL PURPOSE)	
DLP	SINGLE BROKEN DIVIDING LINE - PATH	
BLP	SINGLE TWO -WAY BARRIER LINE - PATH	
ELP	EDGE LINE - PATH	
SLP	STOP LINE - PATH	
GWP	GIVE WAY LINE - PATH	

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STATUS

FOR APPROVAL

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REV	DATE	DESCRIPTION	DWN	DES	CHK	APP
C	14.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
B	06.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
A	08.10.25	PRELIMINARY FOR CO-ORDINATION	SG	SG	NR	

ASSOCIATED CONSULTANTS

APPROVED 7729 RPEQ DATE 14/11/25

CHECKED DATE 14/11/25

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CLIENT
STOCKLAND DEVELOPMENT PTY LTD
Stockland

PROJECT
RIPLEY CATALYST FUNDING SOUTH-WEST TRUNK ROAD - PACKAGE K

SUBJECT
INTERIM DESIGN SIGNS AND LINEMARKING NOTES AND DETAILS

PROJECT No. 22250

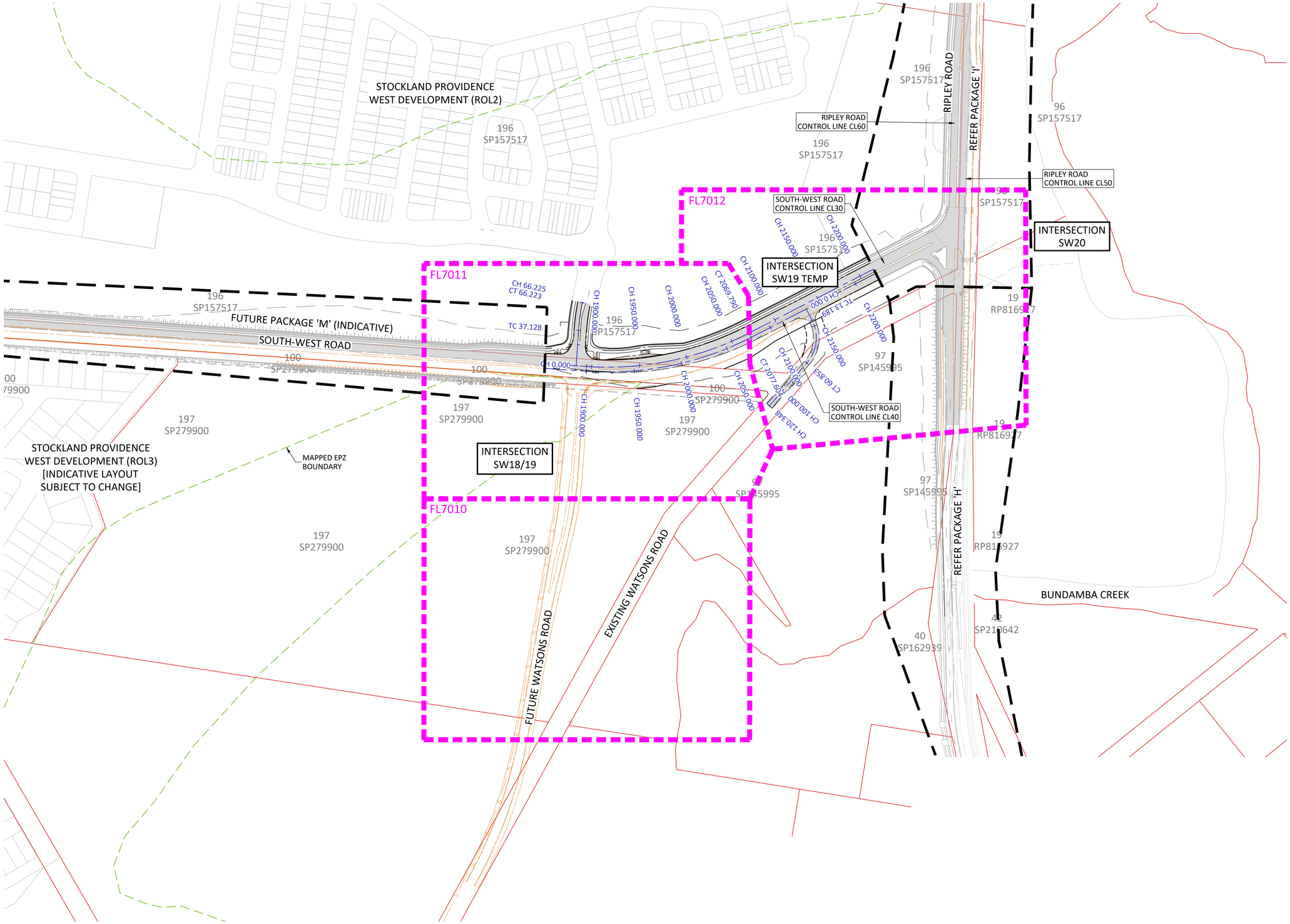
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ORIGINAL SIZE A1

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PLAN
SCALE: 1:2000

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PROJECT NORTH

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE. CULVERT AND PIPE SIZES IN MILLIMETRES — A1 UNREDUCED / A3 REDUCED

SCALES — UNREDUCED / REDUCED

0 20 40 60 80 100m — 1 : 2000 / 1 : 4000

STATUS

FOR APPROVAL

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REV	DATE	DESCRIPTION	DWN	DES	CHK	APP
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D	14.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
C	06.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
B	08.10.25	PRELIMINARY FOR CO-ORDINATION	SG	SG	NR	
A	30.05.25	ALIGNMENT MODIFIED AND PACKAGE NAMING	AR	MB	SG	

ASSOCIATED CONSULTANTS

APPROVED — 7729 RPEQ — DATE 14/11/25

CHECKED — DATE 14/11/25

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CLIENT: STOCKLAND DEVELOPMENT PTY LTD — Stockland

PROJECT: RIPLEY CATALYST FUNDING SOUTH-WEST TRUNK ROAD - PACKAGE K

SUBJECT: INTERIM DESIGN FUNCTIONAL LAYOUT KEY PLAN

PROJECT No. 22250

DRAWING No. FL7003

REVISION E

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JOINS DRG FL7011

MAPPED EPZ BOUNDARY

197
SP279900

EXISTING WATSONS ROAD

FUTURE WATSONS ROAD

FUTURE DETAILED SURVEY REQUIRED TO CONFIRM WATSONS ROAD RE-ALIGNMENT TIE INTO EXISTING (ULTIMATE ONLY)



LOCALITY PLAN
N.T.S

PLAN
SCALE 1:500

THIS DRAWING IS BEST VIEWED IN COLOUR AND ON AN ELECTRONIC DEVICE

PROJECT NORTH

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE. CULVERT AND PIPE SIZES IN MILLIMETRES

A1 UNREDUCED
A3 REDUCED

SCALES

UNREDUCED / REDUCED

0 5 10 15 20 25m
1 : 500 / 1 : 1000

STATUS

FOR APPROVAL

SCAN QR CODE TO CONFIRM CURRENT DRAWING REVISION
http://docs.bornhorstward.com.au/revision/

REV	DATE	DESCRIPTION	DWN	DES	CHK	APP
E	17.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
D	14.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
C	06.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
B	08.10.25	PRELIMINARY FOR CO-ORDINATION	SG	SG	NR	
A	30.05.25	ALIGNMENT MODIFIED AND PACKAGE NAMING	AR	MB	SG	

ASSOCIATED CONSULTANTS

APPROVED 7729 RPEQ
DATE 14/11/25

CHECKED
DATE 14/11/25

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CLIENT
STOCKLAND DEVELOPMENT PTY LTD
Stockland

PROJECT
RIPLEY CATALYST FUNDING SOUTH-WEST TRUNK ROAD - PACKAGE K

SUBJECT
INTERIM DESIGN
FUNCTIONAL LAYOUT
DETAILED LAYOUT SHEET 1

PROJECT No. 22250
DRAWING No. FL7010
REVISION E

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ORIGINAL SIZE A1

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STOCKLAND PROVIDENCE WEST
DEVELOPMENT (ROL2)

ROL2 ACCESS STREET

RAL2 ACCESS ROAD
CONTROL LINE CL33

PACKAGE 'M'
(INDICATIVE ONLY)

PACKAGE 'K'

INTERSECTION
SW18/19

SOUTH WEST ROAD
CONTROL LINE CL30

SOUTH-WEST ROAD

SOUTH WEST ROAD
CONTROL LINE CL40

FUTURE WATSONS ROAD

FUTURE SINGLE CELL 2.4m x 1.2m RCBC
REFER CULVERT '4' IN WEP FLOOD
REPORT FOR DETAILS (NOT REQUIRED
FOR INTERIM SCOPE)

EXISTING WATSONS ROAD

MAPPED EPZ
BOUNDARY

CH 66.225
CH 0.000
CH 1800.000
CH 1850.000
CH 1900.000
CH 1950.000
CH 2000.000
CH 2050.000
CT 2068.790
TC 37.128

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3.500
2.000
7.000
3.900
4.000
4.200
1.000

100
SP279900

197
SP279900

JOINS DRG FL7012

JOINS DRG FL7010

PLAN
SCALE 1:500

LOCALITY PLAN
N.T.S

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ON AN ELECTRONIC DEVICE

PROJECT NORTH

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE. CULVERT AND PIPE SIZES IN MILLIMETRES

A1 UNREDUCED
A3 REDUCED

SCALES

UNREDUCED / REDUCED

0 5 10 15 20 25m
1 : 500 / 1 : 1000

STATUS

FOR APPROVAL

SCAN QR CODE TO
CONFIRM CURRENT
DRAWING REVISION
http://docs.bornhorstward.com.au/revision/

REV	DATE	DESCRIPTION	DWN	DES	CHK	APP
E	17.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
D	14.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
C	06.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
B	08.10.25	PRELIMINARY FOR CO-ORDINATION	SG	SG	NR	
A	30.05.25	ALIGNMENT MODIFIED AND PACKAGE NAMING	AR	MB	SG	

ASSOCIATED CONSULTANTS

APPROVED
7729
RPEQ
DATE 14/11/25

CHECKED
DATE 14/11/25

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CLIENT
STOCKLAND DEVELOPMENT PTY LTD
Stockland

PROJECT
RIPLEY CATALYST
FUNDING SOUTH-WEST
TRUNK ROAD - PACKAGE K

SUBJECT
INTERIM DESIGN
FUNCTIONAL LAYOUT
DETAILED LAYOUT SHEET 2

PROJECT No.
22250

DRAWING No.
FL7011

REVISION
E

0 10 20 30 40 50 100

ORIGINAL SIZE A1

J:\2022\22250\05_DRAWINGS\DRG\FL7003.DWG
17/11/2025 11:17:33 AM

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STOCKLAND PROVIDENCE WEST DEVELOPMENT (ROL2)

NEW 7 CELL 2.1m x 1.8m RCBC
REFER CULVERT '2' IN WEP
FLOOD REPORT FOR DETAILS

INTERSECTION SW20

LOCALITY PLAN
N.T.S

RIPLEY ROAD

PACKAGE 'K'

PACKAGE 'I'

PACKAGE 'H'

SOUTH-WEST ROAD

SOUTH WEST ROAD CONTROL LINE CL30

SOUTH WEST ROAD CONTROL LINE CL40

INTERSECTION SW19 TEMP

EXISTING WATSONS ROAD

WATSONS ROAD CONTROL LINE CL45

WATSONS ROAD RE-ALIGNMENT
TIE INTO EXISTING ROAD
(INTERIM SCOPE ONLY)

JOINS DRG FL7011

196
SP157517

97
SP145995

19
RP816927

100
SP279900

197

THIS DRAWING IS BEST VIEWED IN COLOUR AND ON AN ELECTRONIC DEVICE

PROJECT NORTH

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE. CULVERT AND PIPE SIZES IN MILLIMETRES — A1 UNREDUCED, A3 REDUCED

SCALES — UNREDUCED / REDUCED

0 5 10 15 20 25m
1 : 500 / 1 : 1000

PLAN
SCALE 1:500

STATUS
FOR APPROVAL

SCAN QR CODE TO CONFIRM CURRENT DRAWING REVISION
http://docs.bornhorstward.com.au/revision/

REV	DATE	DESCRIPTION	DWN	DES	CHK	APP
E	17.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
D	14.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
C	06.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
B	08.10.25	PRELIMINARY FOR CO-ORDINATION	SG	SG	NR	
A	30.05.25	ALIGNMENT MODIFIED AND PACKAGE NAMING	AR	MB	SG	

ASSOCIATED CONSULTANTS

APPROVED — DATE 14/11/25
7729 RPEQ

CHECKED — DATE 14/11/25

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CLIENT: STOCKLAND DEVELOPMENT PTY LTD — Stockland

PROJECT: RIPLEY CATALYST FUNDING SOUTH-WEST TRUNK ROAD - PACKAGE K

SUBJECT: INTERIM DESIGN FUNCTIONAL LAYOUT DETAILED LAYOUT SHEET 3

PROJECT No. 22250

DRAWING No. FL7012

REVISION E

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0 10 20 30 40 50 100
ORIGINAL SIZE A1

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LOCALITY PLAN
N.T.S

PLAN
SCALE 1:500

CUT/FILL DEPTH RANGE

LOWER		UPPER		COLOUR
-20	to	-14	m	
-14	to	-13	m	
-13	to	-12	m	
-12	to	-11	m	
-11	to	-10	m	
-10	to	-9	m	
-9	to	-8	m	
-8	to	-7	m	
-7	to	-6	m	
-6	to	-5	m	
-5	to	-4	m	
-4	to	-3	m	
-3	to	-2	m	
-2	to	-1	m	
-1	to	-0	m	
.001	to	1	m	
1	to	2	m	
2	to	3	m	
3	to	4	m	
4	to	5	m	
5	to	6	m	
6	to	7	m	
7	to	8	m	
8	to	9	m	
9	to	10	m	
10	to	11	m	
11	to	12	m	
12	to	13	m	
13	to	14	m	
14	to	20	m	

THIS DRAWING IS BEST VIEWED IN COLOUR AND ON AN ELECTRONIC DEVICE

PROJECT NORTH

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE. CULVERT AND PIPE SIZES IN MILLIMETRES — A1 UNREDUCED, A3 REDUCED

SCALES — UNREDUCED / REDUCED

0 5 10 15 20 25m
1 : 500 / 1 : 1000

STATUS
FOR APPROVAL

SCAN QR CODE TO CONFIRM CURRENT DRAWING REVISION
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REV	DATE	DESCRIPTION	DWN	DES	CHK	APP
C	17.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
B	14.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
A	06.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR

ASSOCIATED CONSULTANTS

APPROVED — 7729 RPEQ — DATE 14/11/25
CHECKED — DATE 14/11/25

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CLIENT: STOCKLAND DEVELOPMENT PTY LTD — Stockland
PROJECT: RIPLEY CATALYST FUNDING SOUTH-WEST TRUNK ROAD - PACKAGE K
SUBJECT: EARTHWORKS LAYOUT SHEET 1

PROJECT No. 22250
DRAWING No. FL7020
REVISION C

0 10 20 30 40 50 100
ORIGINAL SIZE A1

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LOCALITY PLAN
N.T.S

STOCKLAND PROVIDENCE WEST DEVELOPMENT (ROL2)

JOINS DRG FL7020

SOUTH WEST ROAD
CONTROL LINE CL30

SOUTH WEST ROAD
CONTROL LINE CL40

WATSONS ROAD
CONTROL LINE CL45

WATSONS ROAD RE-ALIGNMENT
TIE INTO EXISTING ROAD
(INTERIM SCOPE ONLY)

EXISTING WATSONS ROAD

SOUTH WEST ROAD

RIPLEY ROAD

PACKAGE 'I'

PACKAGE 'K'

PACKAGE 'H'

196
SP157517

97
SP145995

100
SP279900

197

CH 2000.000
CH 2050.000
CH 2100.000
CH 2150.000
CH 2200.000
CH 2250.000
CH 2300.000
CH 0.000
CH 100.000
CH 120.348
CH 500.000
CH 600.000
CT 2068.790
CT 2077.604
CT 60.853
CT 565.767
TC 13.189
TC 541.900
TC 640.830
CH 651.219

CUT/FILL DEPTH RANGE

LOWER		UPPER		COLOUR
-20	to	-14	m	
-14	to	-13	m	
-13	to	-12	m	
-12	to	-11	m	
-11	to	-10	m	
-10	to	-9	m	
-9	to	-8	m	
-8	to	-7	m	
-7	to	-6	m	
-6	to	-5	m	
-5	to	-4	m	
-4	to	-3	m	
-3	to	-2	m	
-2	to	-1	m	
-1	to	-0	m	
.001	to	1	m	
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3	to	4	m	
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5	to	6	m	
6	to	7	m	
7	to	8	m	
8	to	9	m	
9	to	10	m	
10	to	11	m	
11	to	12	m	
12	to	13	m	
13	to	14	m	
14	to	20	m	

THIS DRAWING IS BEST VIEWED IN COLOUR AND ON AN ELECTRONIC DEVICE

PROJECT NORTH

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE. CULVERT AND PIPE SIZES IN MILLIMETRES
A1 UNREDUCED
A3 REDUCED

SCALES
UNREDUCED / REDUCED

0 5 10 15 20 25m
1 : 500 / 1 : 1000

STATUS
FOR APPROVAL

PLAN
SCALE 1:500

SCAN QR CODE TO CONFIRM CURRENT DRAWING REVISION
http://docs.bornhorstward.com.au/revision/

REV	DATE	DESCRIPTION	DWN	DES	CHK	APP
C	17.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
B	14.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
A	06.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR

ASSOCIATED CONSULTANTS

APPROVED M.Rozis 7729 RPEQ DATE 14/11/25

CHECKED M.Rozis DATE 14/11/25

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CLIENT
STOCKLAND DEVELOPMENT PTY LTD
Stockland

PROJECT
RIPLEY CATALYST FUNDING SOUTH-WEST TRUNK ROAD - PACKAGE K

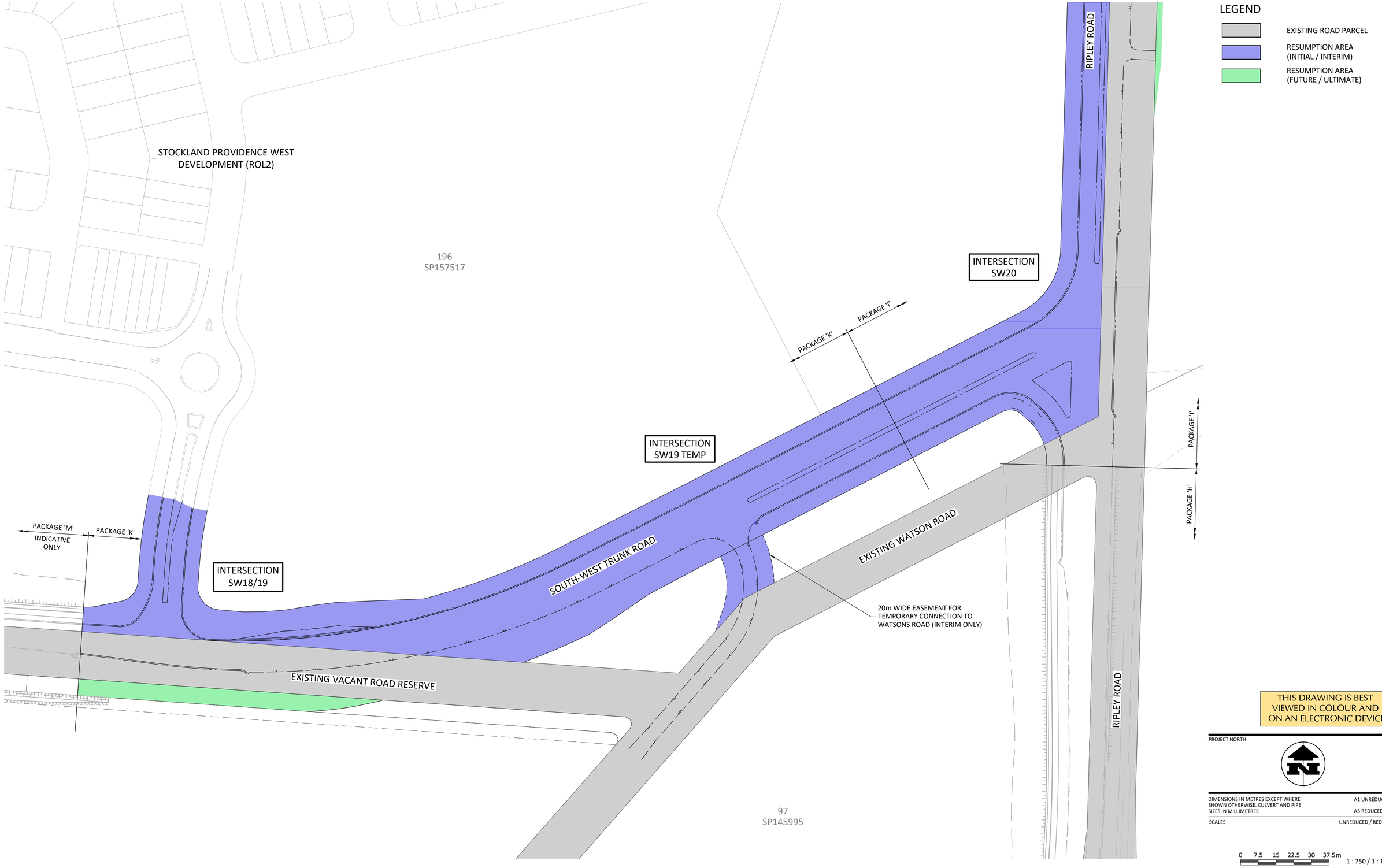
SUBJECT
EARTHWORKS LAYOUT SHEET 2

PROJECT No. 22250
DRAWING No. FL7021
REVISION C

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ORIGINAL SIZE A1

J:\2022\22250\05_DRAWINGS\DRG\FL7020.DWG
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PLAN
SCALE: 1:750

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PROJECT NORTH

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE. CULVERT AND PIPE SIZES IN MILLIMETRES — A1 UNREDUCED / A3 REDUCED

SCALES — UNREDUCED / REDUCED

0 7.5 15 22.5 30 37.5m — 1 : 750 / 1 : 1500

STATUS
FOR APPROVAL

SCAN QR CODE TO CONFIRM CURRENT DRAWING REVISION
http://docs.bornhorstward.com.au/revision/

REV	DATE	DESCRIPTION	DWN	DES	CHK	APP
D	17.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
C	14.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
B	06.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
A	24.10.25	ISSUED FOR INFORMATION	AJS	SG	NR	

ASSOCIATED CONSULTANTS

APPROVED 7729 RPEQ — DATE 14/11/25
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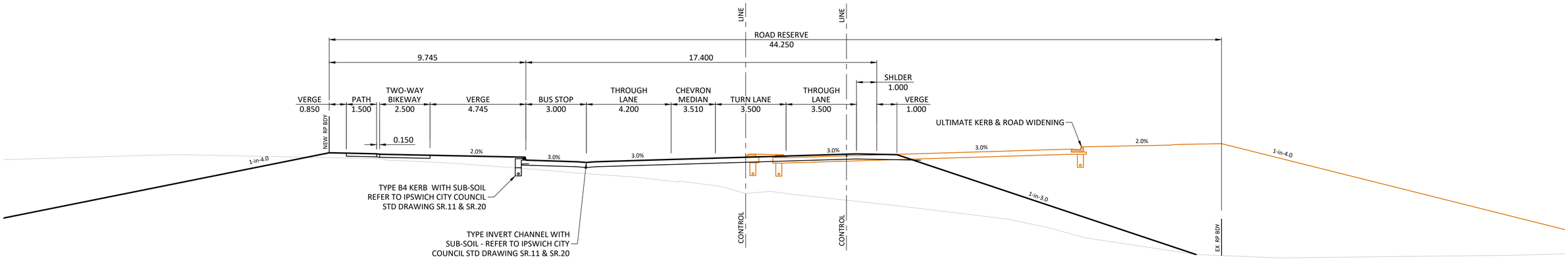
CLIENT: STOCKLAND DEVELOPMENT PTY LTD — Stockland
PROJECT: RIPLEY CATALYST FUNDING SOUTH-WEST TRUNK ROAD - PACKAGE K
SUBJECT: LAND DEDICATION PLAN

PROJECT No. 22250
DRAWING No. FL7030
REVISION D

0 10 20 30 40 50 100 ORIGINAL SIZE A1

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17/11/2025 11:18:16 AM

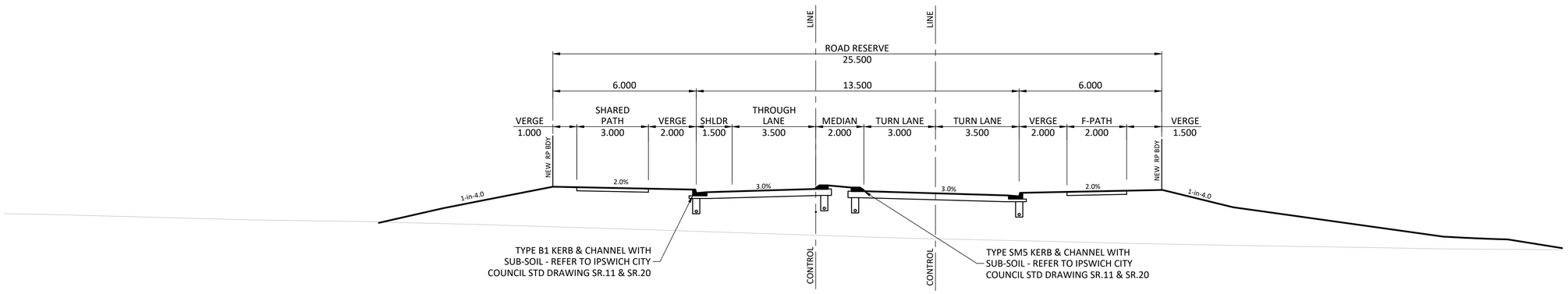
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TYPICAL SECTION - CHAINAGE 1950

SCALE 1:100

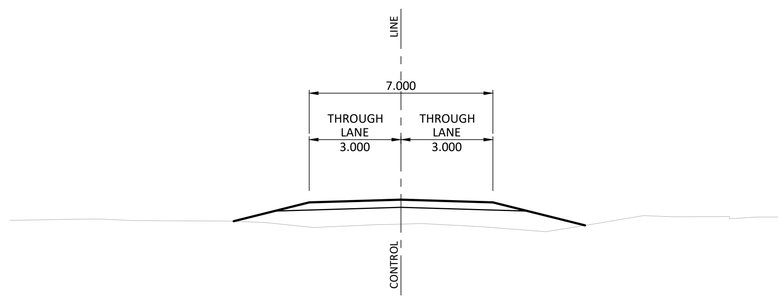
3
FL7011



TYPICAL SECTION - RAL2 ROAD

SCALE 1:100

2
FL7011



TYPICAL SECTION - WATSONS ROAD

SCALE 1:100

1
FL7012

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DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE. CULVERT AND PIPE SIZES IN MILLIMETRES — A1 UNREDUCED / A3 REDUCED

SCALES — UNREDUCED / REDUCED

0 1.0 2.0 3.0 4.0 5.0m — 1 : 100 / 1 : 200

STATUS

FOR APPROVAL

SCAN QR CODE TO CONFIRM CURRENT DRAWING REVISION
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REV	DATE	DESCRIPTION	DWN	DES	CHK	APP
B	14.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
A	06.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR

ASSOCIATED CONSULTANTS

APPROVED — 7729 RPEQ — DATE 14/11/25

CHECKED — DATE 14/11/25

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CLIENT: STOCKLAND DEVELOPMENT PTY LTD — Stockland

PROJECT: RIPLEY CATALYST FUNDING SOUTH-WEST TRUNK ROAD - PACKAGE K

SUBJECT: TYPICAL SECTIONS SHEET 1

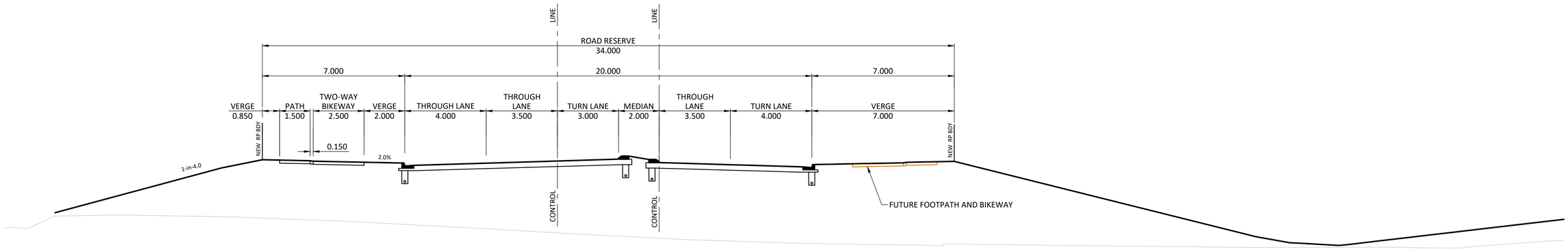
PROJECT No. 22250

DRAWING No. FL7040 — REVISION B

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0 10 20 30 40 50 100 ORIGINAL SIZE A1

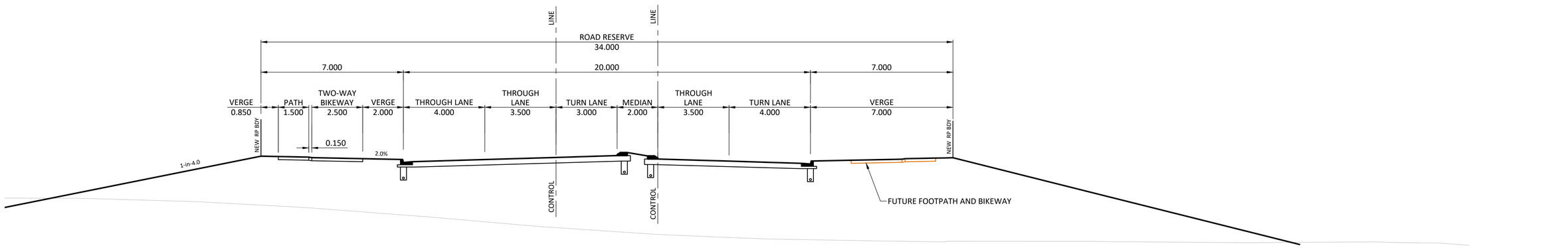
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TYPICAL SECTION - CHAINAGE 2250

SCALE 1:100

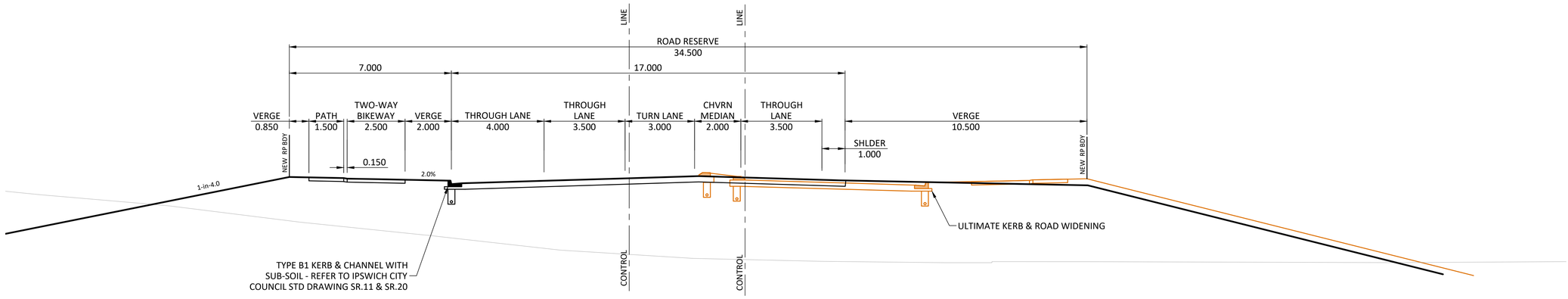
6 FL7012



TYPICAL SECTION - CHAINAGE 2170

SCALE 1:100

5 FL7012



TYPICAL SECTION - CHAINAGE 2100

SCALE 1:100

4 FL7012

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DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE. CULVERT AND PIPE SIZES IN MILLIMETRES — A1 UNREDUCED, A3 REDUCED

SCALES — UNREDUCED / REDUCED

0 1.0 2.0 3.0 4.0 5.0m — 1 : 100 / 1 : 200

STATUS

FOR APPROVAL

SCAN QR CODE TO CONFIRM CURRENT DRAWING REVISION
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REV	DATE	DESCRIPTION	DWN	DES	CHK	APP
B	14.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
A	06.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR

ASSOCIATED CONSULTANTS

APPROVED 7729 RPEQ — DATE 14/11/25

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CLIENT: STOCKLAND DEVELOPMENT PTY LTD (Stockland)

PROJECT: RIPLEY CATALYST FUNDING SOUTH-WEST TRUNK ROAD - PACKAGE K

SUBJECT: TYPICAL SECTIONS SHEET 2

PROJECT No. 22250

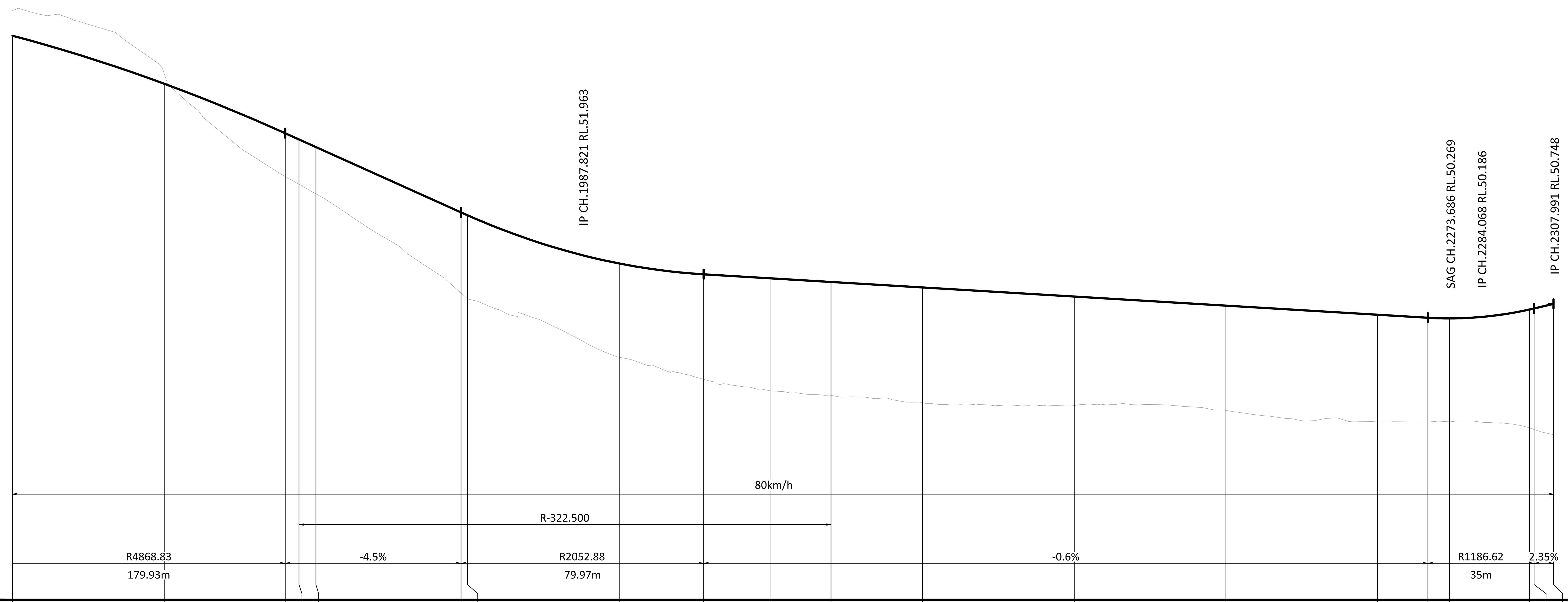
DRAWING No. FL7041 — REVISION B

0 10 20 30 40 50 100 ORIGINAL SIZE A1

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CONTROL LINE CHAINAGES	EXISTING SURFACE LEVEL	CUT / FILL DEPTH TO EXISTING SURFACE	CONTROL LINE FINISHED LEVEL
1800.000	60.417	0.834	59.583
1850.000	58.328	0.327	58.001
1889.884	54.945	-1.425	56.370
1894.425	54.688	-1.477	56.166
1900.000	54.375	-1.540	55.915
1947.856	51.105	-2.656	53.761
1950.000	50.915	-2.751	53.666
2000.000	48.992	-3.086	52.079
2027.825	48.263	-3.460	51.723
2050.000	47.884	-3.706	51.590
2069.790	47.734	-3.737	51.471
2100.000	47.491	-3.799	51.290
2150.000	47.398	-3.592	50.990
2200.000	47.237	-3.453	50.690
2250.000	46.857	-3.533	50.390
2266.567	46.854	-3.437	50.291
2273.686	46.862	-3.407	50.269
2300.000	46.661	-3.900	50.561
2301.564	46.609	-3.988	50.597
2307.991	46.438	-4.310	50.748

LONGITUDINAL SECTION CONTROL LINE CL30
SCALE
1:100 VERTICAL
1:1000 HORIZONTAL

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DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE. CULVERT AND PIPE SIZES IN MILLIMETRES

A1 UNREDUCED
A3 REDUCED

SCALES — UNREDUCED / REDUCED
0 1.0 2.0 3.0 4.0 5.0m — 1 : 100 / 1 : 200
0 10 20 30 40 50m — 1 : 1000 / 1 : 2000

STATUS
FOR APPROVAL

SCAN QR CODE TO CONFIRM CURRENT DRAWING REVISION
http://docs.bornhorstward.com.au/revision/

REV	DATE	DESCRIPTION	DWN	DES	CHK	APP
B	14.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
A	06.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR

ASSOCIATED CONSULTANTS

APPROVED
M. Kozis 7729 RPEQ
DATE 14/11/25

CHECKED
M. Kozis
DATE 14/11/25

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CLIENT
STOCKLAND DEVELOPMENT PTY LTD
Stockland

PROJECT
RIPLEY CATALYST FUNDING SOUTH-WEST TRUNK ROAD - PACKAGE K

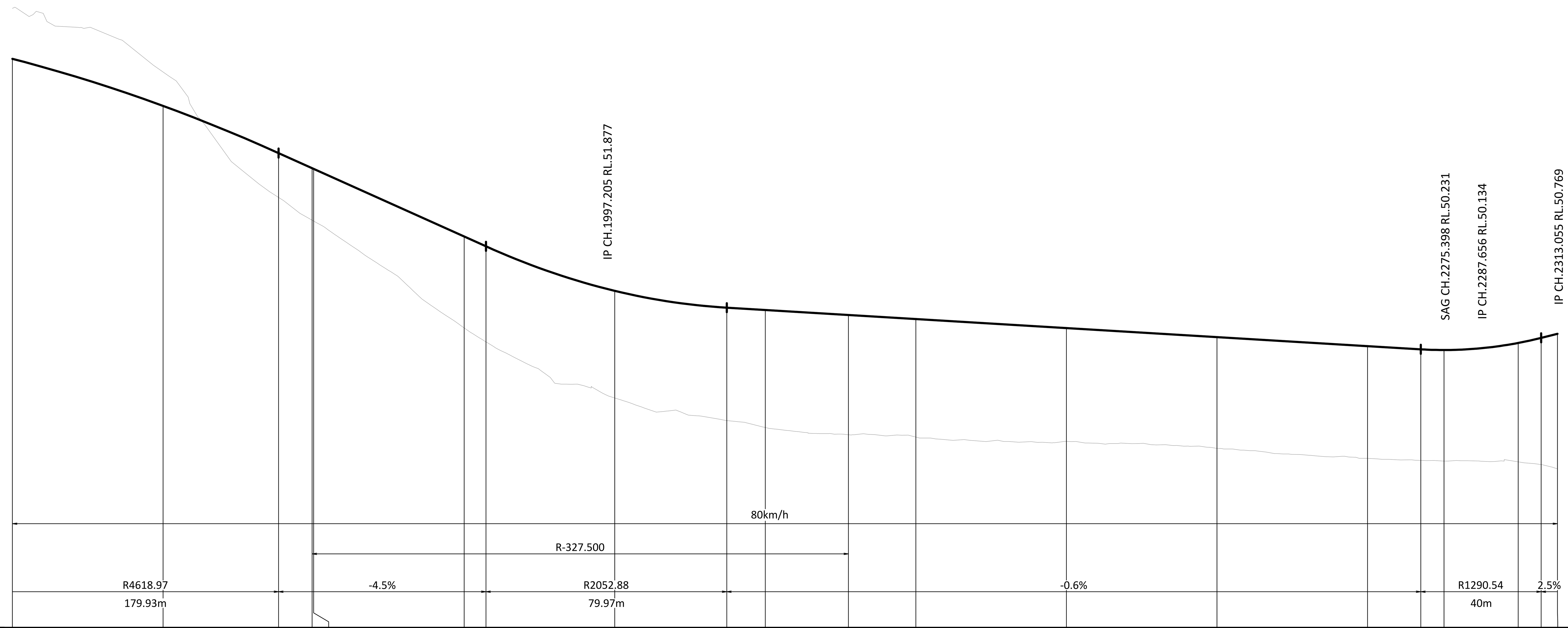
SUBJECT
ROADWORKS LONGINTUDINAL SECTIONS SHEET 1

PROJECT No. 22250
DRAWING No. FL7050
REVISION B

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ORIGINAL SIZE A1

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DESIGN SPEED
HORIZONTAL DATA
VERTICAL DATA
DATUM 41.00

EXISTING SURFACE LEVEL	61.581	59.469	55.301	54.544	54.517	50.966	50.502	48.636	47.886	47.656
CUT / FILL DEPTH TO EXISTING SURFACE	1.678	1.128	-1.472	-1.729	-1.734	-3.035	-3.173	-3.561	-3.751	-3.904
CONTROL LINE FINISHED LEVEL	59.903	58.341	56.773	56.273	56.251	54.001	53.675	52.197	51.637	51.560
CONTROL LINE CHAINAGES	1800.000	1850.000	1888.389	1899.520	1900.000	1950.000	1957.241	2000.000	2037.209	2050.000

EXISTING SURFACE LEVEL	47.417	47.336	47.193	46.963	46.634	46.564	46.540	46.514	46.427	46.280
CUT / FILL DEPTH TO EXISTING SURFACE	-3.978	-3.924	-3.767	-3.697	-3.726	-3.690	-3.690	-3.951	-4.207	-4.489
CONTROL LINE FINISHED LEVEL	51.394	51.260	50.960	50.660	50.360	50.254	50.231	50.465	50.634	50.769
CONTROL LINE CHAINAGES	2077.604	2100.000	2150.000	2200.000	2250.000	2267.655	2275.398	2300.000	2307.651	2313.055

LONGITUDINAL SECTION CONTROL LINE CL40

SCALE
1:100 VERTICAL
1:1000 HORIZONTAL

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DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE. CULVERT AND PIPE SIZES IN MILLIMETRES

A1 UNREDUCED
A3 REDUCED

SCALES — UNREDUCED / REDUCED
0 1.0 2.0 3.0 4.0 5.0m — 1 : 100 / 1 : 200
0 10 20 30 40 50m — 1 : 1000 / 1 : 2000

STATUS
FOR APPROVAL

SCAN QR CODE TO CONFIRM CURRENT DRAWING REVISION
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REV	DATE	DESCRIPTION	DWN	DES	CHK	APP
B	14.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
A	06.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR

ASSOCIATED CONSULTANTS

APPROVED M. Kozis 7729 RPEQ DATE 14/11/25
CHECKED M. Kozis DATE 14/11/25

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CLIENT
STOCKLAND DEVELOPMENT PTY LTD

PROJECT
RIPLEY CATALYST FUNDING SOUTH-WEST TRUNK ROAD - PACKAGE K

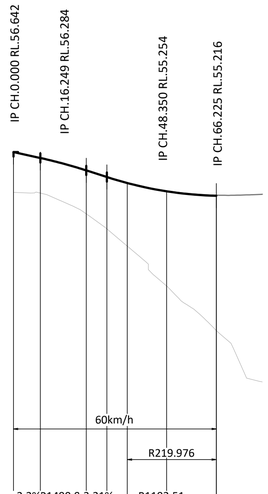
SUBJECT
ROADWORKS LONGINTUDINAL SECTIONS SHEET 2

PROJECT No. 22250
DRAWING No. FL7051 REVISION B

0 10 20 30 40 50 100 ORIGINAL SIZE A1

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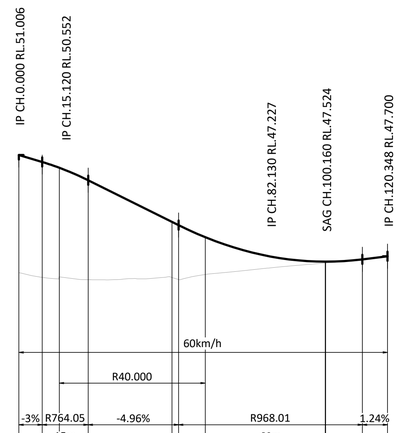


DESIGN SPEED
HORIZONTAL DATA

VERTICAL DATA
DATUM 44.00

EXISTING SURFACE LEVEL	55.325	55.305	54.627	54.136	53.573	52.271	50.816	50.816
CUT / FILL DEPTH TO EXISTING SURFACE	-1.317	-1.144	-1.417	-1.691	-2.059	-3.090	-4.400	-4.401
CONTROL LINE FINISHED LEVEL	56.642	56.449	56.044	55.828	55.633	55.361	55.216	55.216
CONTROL LINE CHAINAGES	0.000	8.749	23.749	30.476	37.128	50.000	66.223	66.225

LONGITUDINAL SECTION CONTROL LINE 33 (RAL2 ACCESS ROAD)
SCALE
1:100 VERTICAL
1:1000 HORIZONTAL



DESIGN SPEED
HORIZONTAL DATA

VERTICAL DATA
DATUM 41.00

EXISTING SURFACE LEVEL	47.164	47.012	47.026	46.935	47.006	46.943	47.107	47.478	47.480	47.599	47.700
CUT / FILL DEPTH TO EXISTING SURFACE	-3.842	-3.765	-3.564	-3.245	-1.815	-1.773	-1.216	-0.046	-0.045	0.000	0.000
CONTROL LINE FINISHED LEVEL	51.006	50.777	50.590	50.180	48.822	48.716	48.322	47.524	47.524	47.598	47.700
CONTROL LINE CHAINAGES	0.000	7.620	13.189	22.620	50.000	52.130	60.853	100.000	100.160	112.130	120.348

LONGITUDINAL SECTION CONTROL LINE 45 (WATSONS ROAD)
SCALE
1:100 VERTICAL
1:1000 HORIZONTAL

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DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE. CULVERT AND PIPE SIZES IN MILLIMETRES
A1 UNREDUCED
A3 REDUCED

SCALES
UNREDUCED / REDUCED

0 1.0 2.0 3.0 4.0 5.0m — 1 : 100 / 1 : 200

0 10 20 30 40 50m — 1 : 1000 / 1 : 2000

STATUS
FOR APPROVAL

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ASSOCIATED CONSULTANTS

APPROVED 7729 RPEQ DATE 14/11/25

CHECKED DATE 14/11/25

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CLIENT
STOCKLAND DEVELOPMENT PTY LTD
Stockland

PROJECT
RIPLEY CATALYST
FUNDING SOUTH-WEST
TRUNK ROAD - PACKAGE K

SUBJECT
ROADWORKS
LONGINTUDINAL SECTIONS
SHEET 3

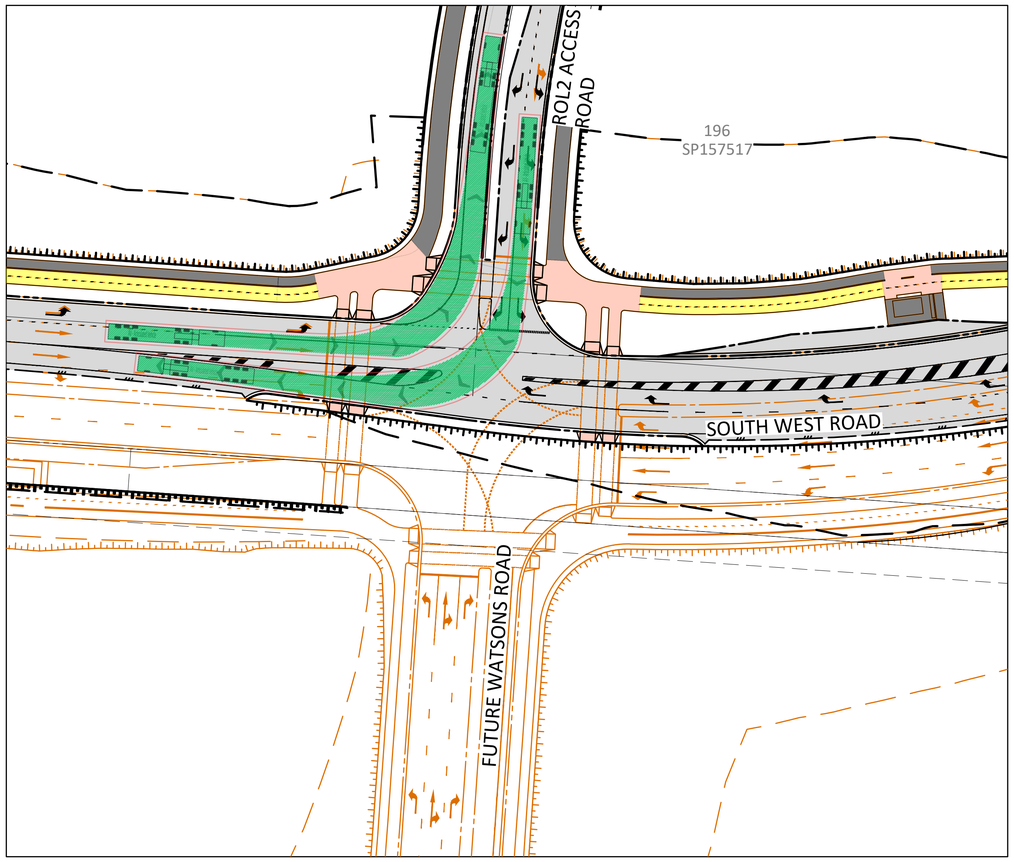
PROJECT No. 22250
DRAWING No. FL7052
REVISION B

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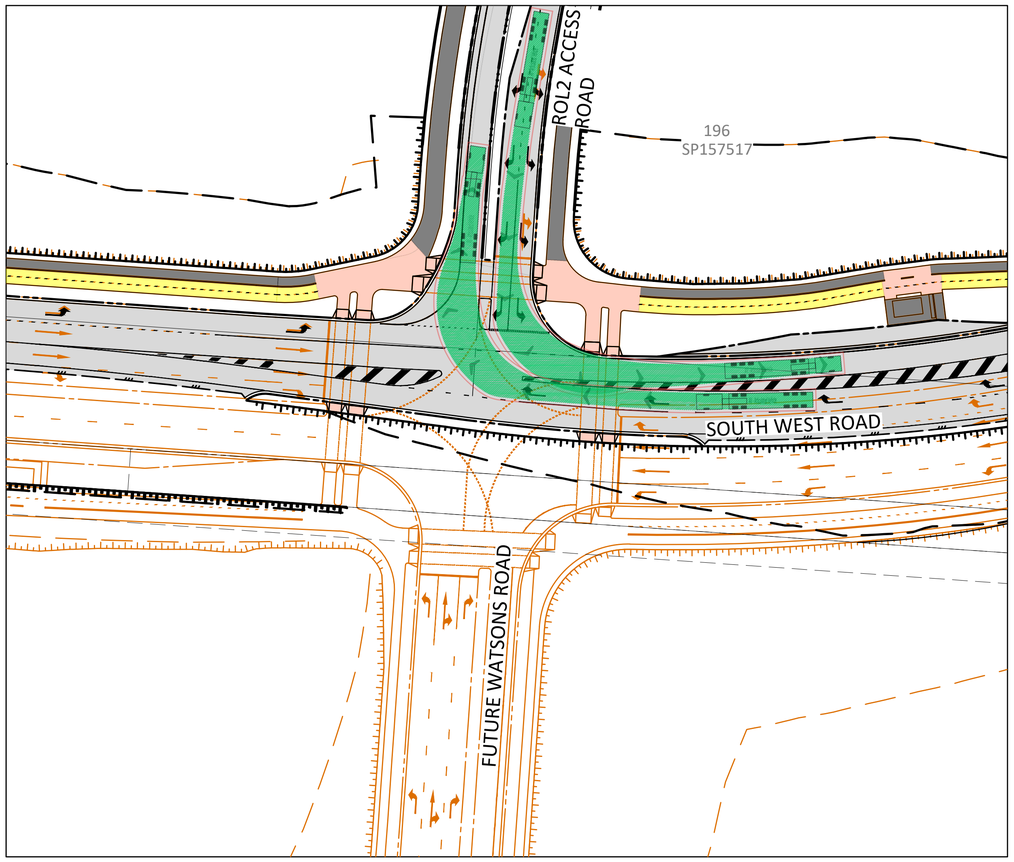
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ORIGINAL SIZE A1

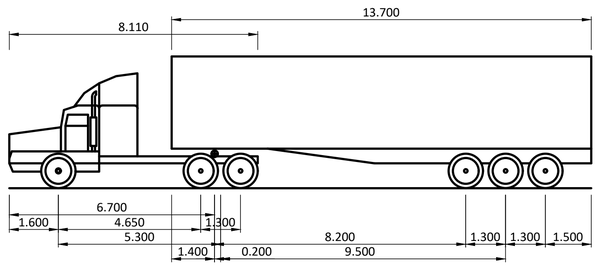
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CHECK VEHICLE SWEPT PATHS 1
SCALE 1:500



CHECK VEHICLE SWEPT PATHS 2
SCALE 1:500



Prime mover and semi-trailer (19 m)

Overall Length	19.000m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.540m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

THIS DRAWING IS BEST VIEWED IN COLOUR AND ON AN ELECTRONIC DEVICE

PROJECT NORTH

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE. CULVERT AND PIPE SIZES IN MILLIMETRES — A1 UNREDUCED / A3 REDUCED

SCALES — UNREDUCED / REDUCED

0 5 10 15 20 25m — 1 : 500 / 1 : 1000

STATUS

FOR APPROVAL

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REV	DATE	DESCRIPTION	DWN	DES	CHK	APP
C	17.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
B	14.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR
A	06.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR

ASSOCIATED CONSULTANTS

APPROVED 7729 RPEQ — DATE 14/11/25

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CLIENT: STOCKLAND DEVELOPMENT PTY LTD

PROJECT: RIPLEY CATALYST FUNDING SOUTH-WEST TRUNK ROAD - PACKAGE K

SUBJECT: TURN TEMPLATES LAYOUT SHEET 1

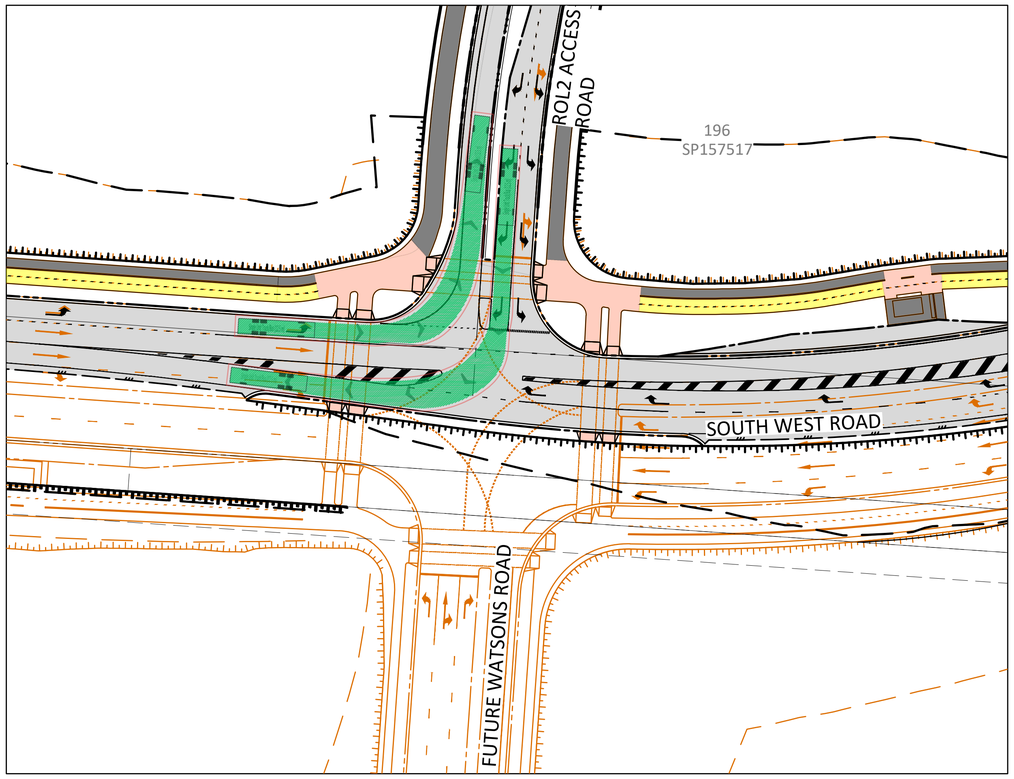
PROJECT No. 22250

DRAWING No. FL7060 — REVISION C

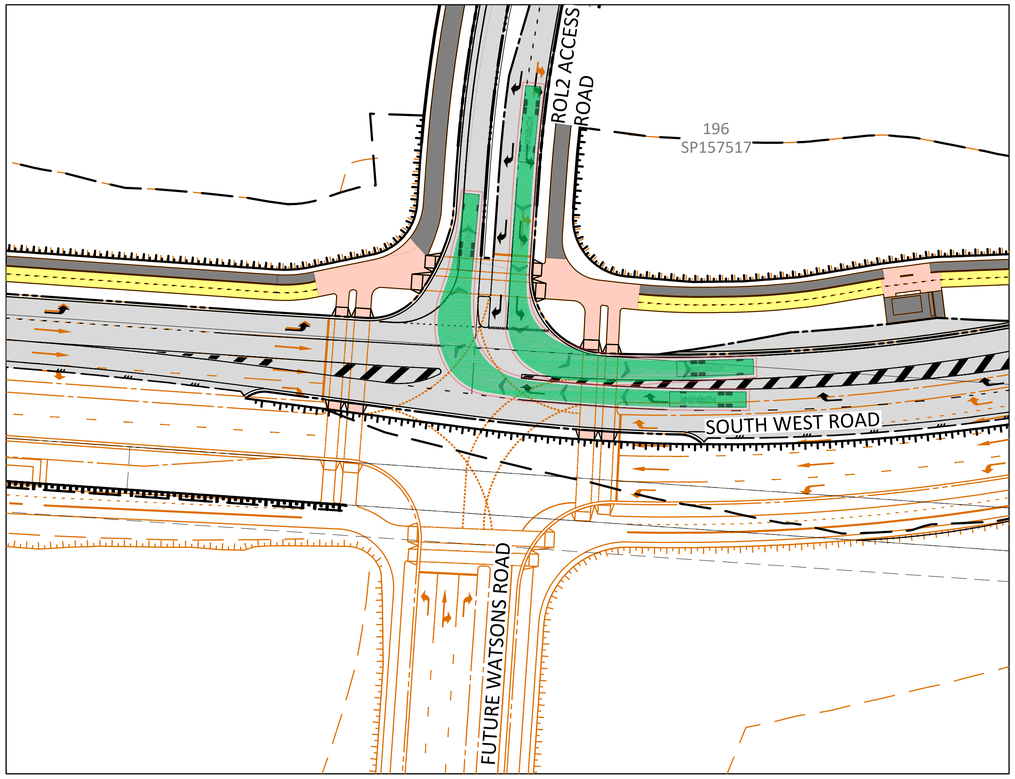
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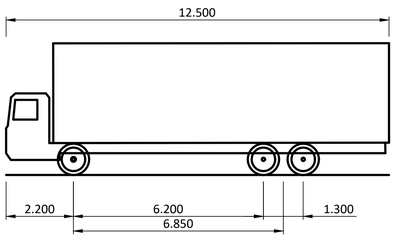
0 10 20 30 40 50 100 — ORIGINAL SIZE A1



DESIGN VEHICLE SWEPT PATHS 1
SCALE 1:500



DESIGN VEHICLE SWEPT PATHS 2
SCALE 1:500



Single Unit Truck (12.5 m)

Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.490m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

THIS DRAWING IS BEST VIEWED IN COLOUR AND ON AN ELECTRONIC DEVICE

PROJECT NORTH

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE. CULVERT AND PIPE SIZES IN MILLIMETRES — A1 UNREDUCED, A3 REDUCED

SCALES — UNREDUCED / REDUCED

0 5 10 15 20 25m — 1 : 500 / 1 : 1000

STATUS

FOR APPROVAL

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A	06.11.25	FUNCTIONAL LAYOUT FOR APPROVAL	AJS	SG	NR	NR

ASSOCIATED CONSULTANTS

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CLIENT: STOCKLAND DEVELOPMENT PTY LTD

PROJECT: RIPLEY CATALYST FUNDING SOUTH-WEST TRUNK ROAD - PACKAGE K

SUBJECT: TURN TEMPLATES LAYOUT SHEET 2

PROJECT No. 22250

DRAWING No. FL7061 — REVISION C

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0 10 20 30 40 50 100 — ORIGINAL SIZE A1