

SOUTH JERRABOMBERRA

NORTHERN CATCHMENT

DEVELOPMENT APPLICATION
 PROJECT NUMBER: 323444-001
 CIVIL ENGINEERING DRAWINGS
 FOR VILLAGE BUILDING COMPANY

GENERAL NOTES:

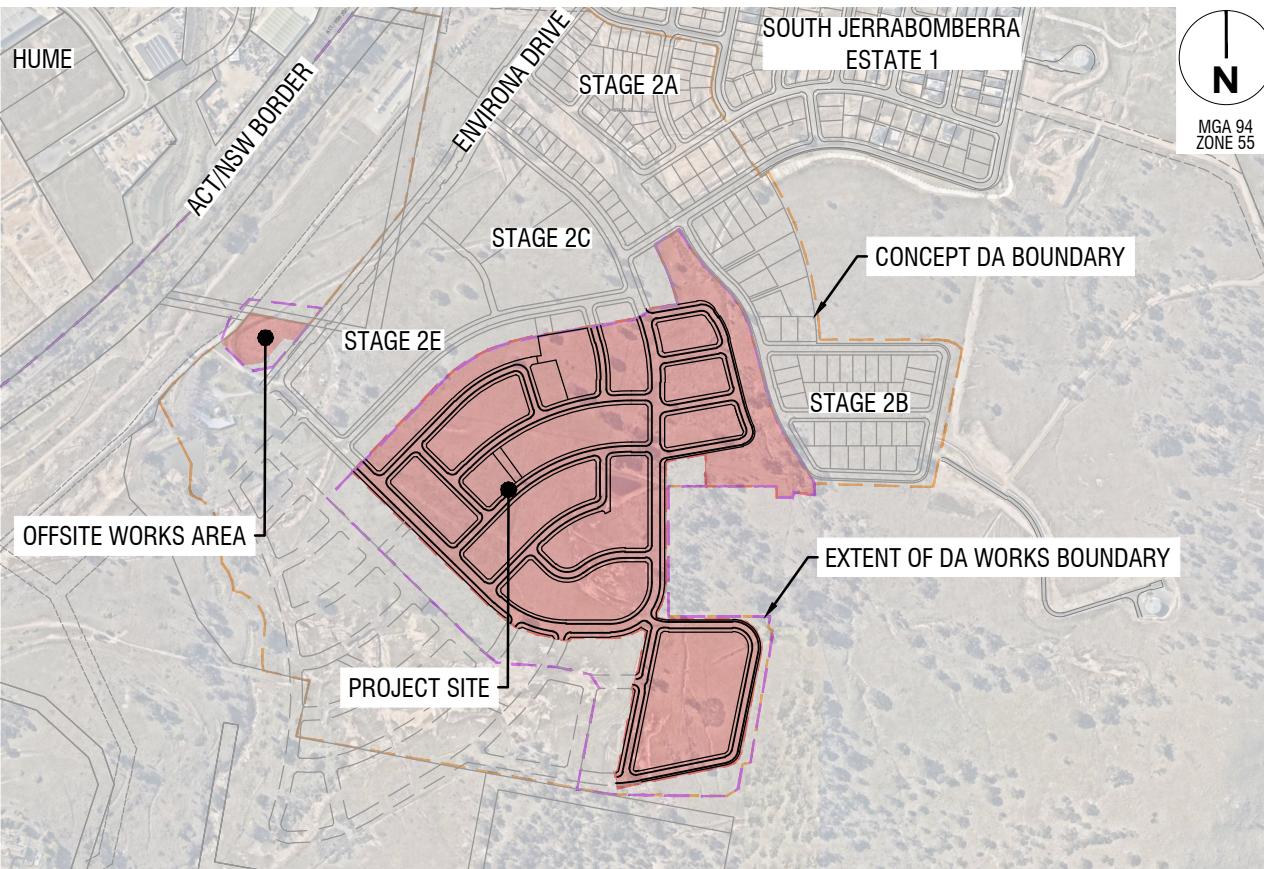
- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA) 94, ZONE 55.
- ALL EXISTING SURFACE LEVELS PROVIDED BY MMB SHOWN ON THE ENGINEERING DRAWINGS HAVE BEEN INTERPOLATED FROM A DIGITAL TERRAIN MODEL. THESE LEVELS HAVE BEEN USED AS THE BASIS FOR ALL ENGINEERING DESIGN AND DETERMINATION OF QUANTITIES.
- EXISTING SERVICES HAVE BEEN PLOTTED FROM SUPPLIED DATA. THE PRINCIPAL DOES NOT GUARANTEE THE ACCURACY OF THIS INFORMATION AND IT IS THE CONTRACTORS RESPONSIBILITY TO ESTABLISH THE LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCING WORK. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITIES.



WARNING
 BEWARE OF UNDERGROUND/OVERHEAD SERVICES
 THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

Scale
 1:5000@A1 0 50 100 150 200 250
 1:10000@A3 0 50 100 150 200 250

B ISSUED FOR APPROVAL C.J.C 09-07-25
 A ISSUED FOR CLIENT REVIEW C.J.C 30-06-25
 Rev Amendments Approved Date



1 | LOCALITY PLAN
 Scale 1:5000 @ A1

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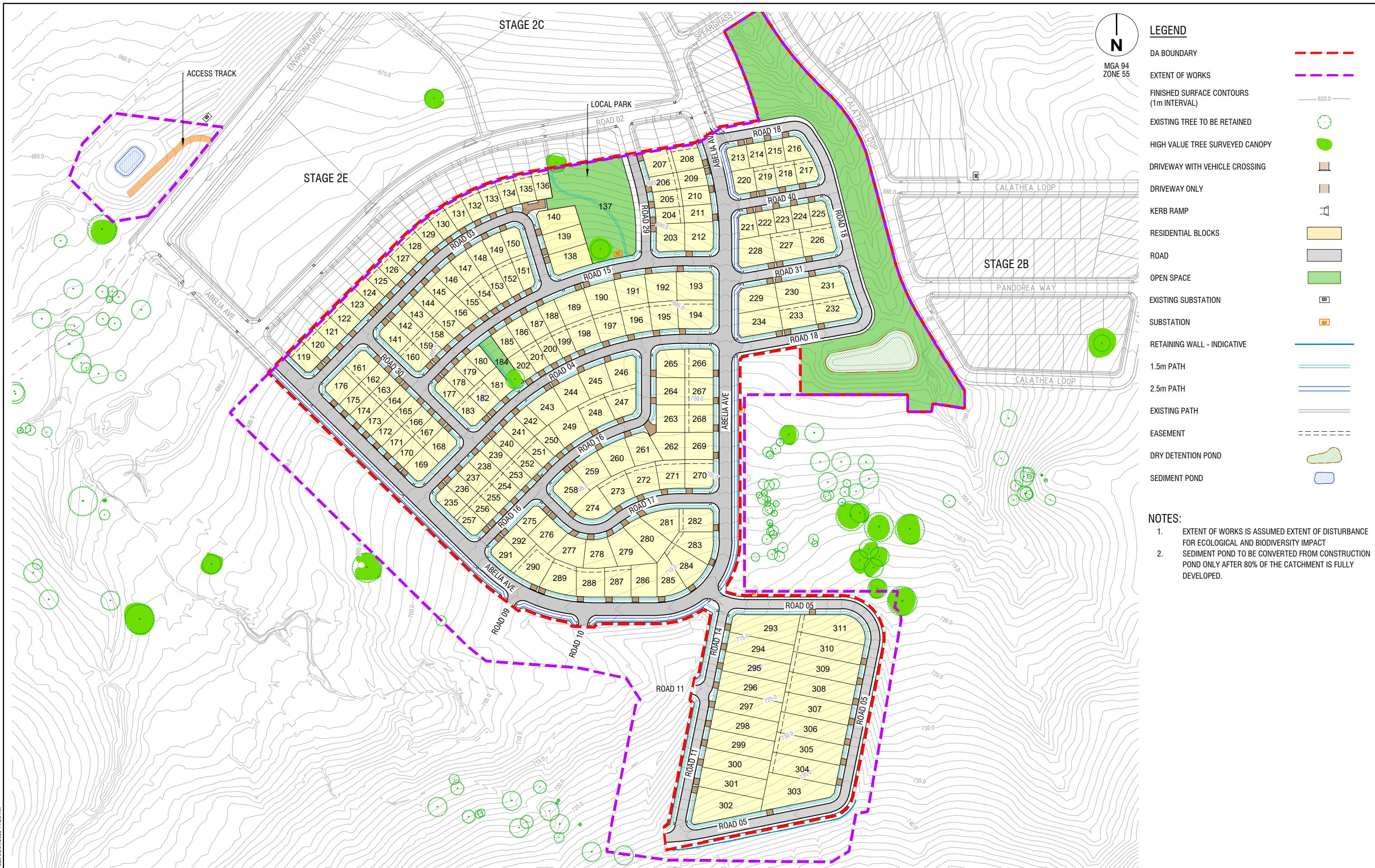
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 Authorised C.J.Corcoran Date 09 July 25

DRAWING SCHEDULE		
DRAWING NO	DESCRIPTION	REVISION
CD001	COVER SHEET & DRAWING SCHEDULE	B
CD005	GENERAL ARRANGEMENT PLAN	B
CD010	EXISTING SERVICES PLAN	B
CD015	STAGING PLAN	B
CD040	STREET HIERARCHY, PATH & DRIVEWAY PLAN	B
CD050	BUS ROUTE PLAN	B
CD060	TYPICAL CROSS SECTIONS SHEET 1	B
CD061	TYPICAL CROSS SECTIONS SHEET 2	B
CD062	TYPICAL CROSS SECTIONS SHEET 3	B
CD100	SIGHT DISTANCE SHEET 1	B
CD101	SIGHT DISTANCE SHEET 2	B
CD102	SIGHT DISTANCE SHEET 3	B
CD103	SIGHT DISTANCE SHEET 4	B
CD104	SIGHT DISTANCE SHEET 5	B
CD120	TURNING MOVEMENTS SHEET 1	B
CD121	TURNING MOVEMENTS SHEET 2	B
CD122	TURNING MOVEMENTS SHEET 3	B
CD123	TURNING MOVEMENTS SHEET 4	B
CD200	GRADING PLAN	B
CD240	EXISTING SLOPE ANALYSIS PLAN	B
CD250	PROPOSED SLOPE ANALYSIS PLAN	B
CD410	SEWER CATCHMENT PLAN SHEET 1	B
CD411	SEWER CATCHMENT PLAN SHEET 2	B
CD420	SEWER SERVICING STRATEGY PLAN	B
CD450	PORTABLE WATER MASTER PLAN SHEET 1	B
CD451	PORTABLE WATER MASTER PLAN SHEET 2	B
CD500	STORMWATER CATCHMENT PLAN	B
CD520	DRAINAGE SERVICING STRATEGY PLAN SHEET 1	B
CD521	DRAINAGE SERVICING STRATEGY PLAN SHEET 2	B
CD522	DRAINAGE SERVICING STRATEGY PLAN SHEET 3	B
CD600	WSUD ASSET KEYPLAN AND DETAILS SHEET 1	B
CD601	WSUD ASSET KEYPLAN AND DETAILS SHEET 2	B
CD602	WSUD ASSET KEYPLAN AND DETAILS SHEET 3	B
CD610	UTILITY MASTER PLAN	B
CD611	SHARED TRENCH TYPICAL DETAIL	B
CD620	RIPARIAN CORRIDOR OFFSET PLAN	B
CD700	SOIL, WATER & VEGETATION CONCEPT MANAGEMENT PLAN SHEET 1	B
CD701	SOIL, WATER & VEGETATION CONCEPT MANAGEMENT PLAN SHEET 2	B

SOUTHERN JERRABOMBERRA ESTATE 2
 NORTHERN CATCHMENT
 COVER SHEET & DRAWING SCHEDULE
 SHEET 1
 QPRC
 DEVELOPMENT APPLICATION
 Drg No 323444-001CD001 B
 Rev



The name 32344-001CD005.dwg layout name CD005 plotted by Jimi Zhang
The location G:\232344\001\CD005\CD005.dwg
Plot date 09/07/2025 11:28 AM

B	ISSUED FOR APPROVAL	C.J.C	09-07-25
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Scale
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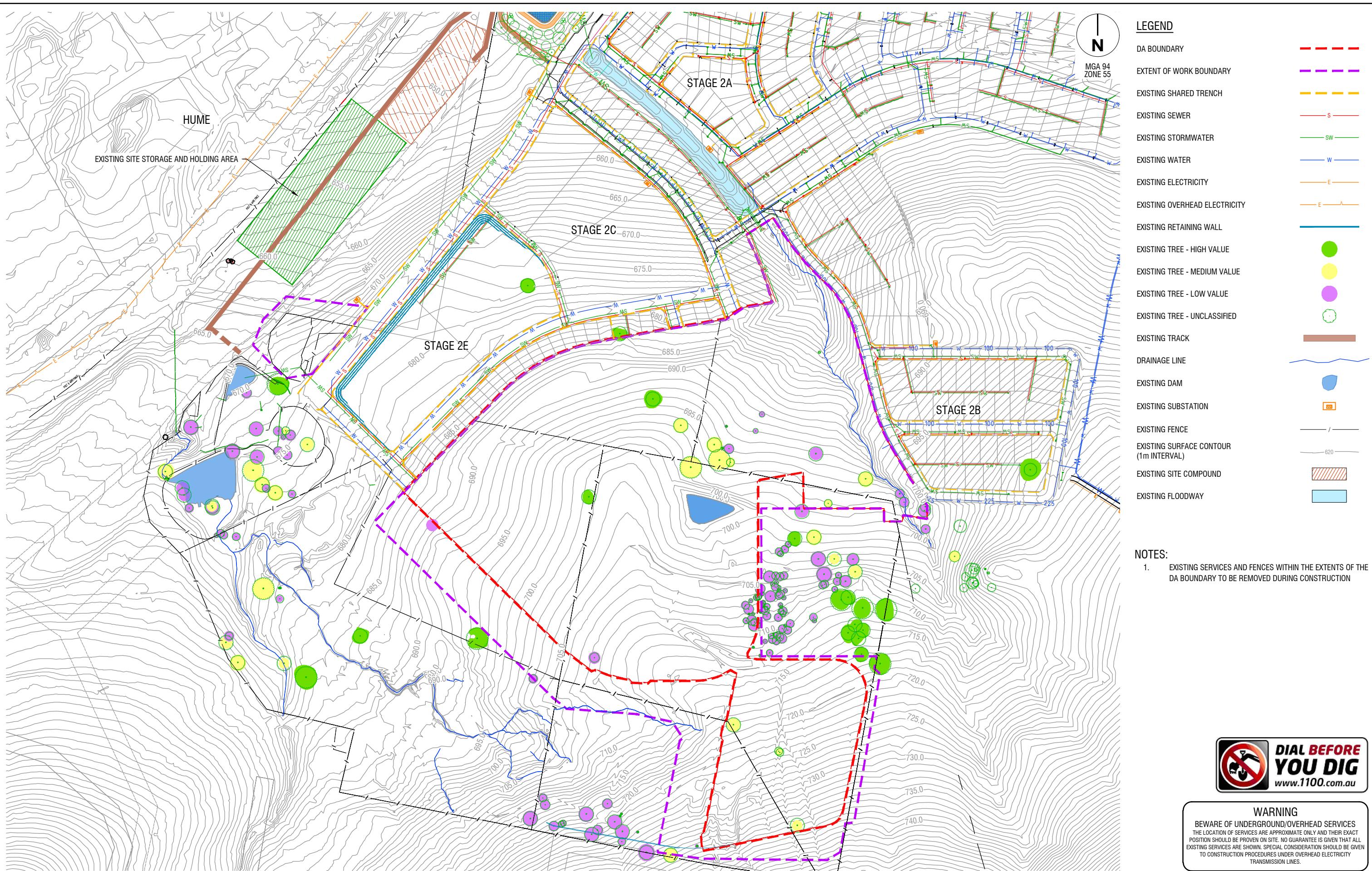
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SOUTHERN JERRABOMBERRA ESTATE 2 NORTHERN CATCHMENT
GENERAL ARRANGEMENT PLAN
SHEET 1
QPRC DEVELOPMENT APPLICATION
Drg No
32344-001CD005 B



File name: 32344-001CD010.dwg layout name: CD010 plotted by Jim Zhang
File location: G:\232344\4010\CD010.dwg
Plot date: 09/07/2025 11:28 AM

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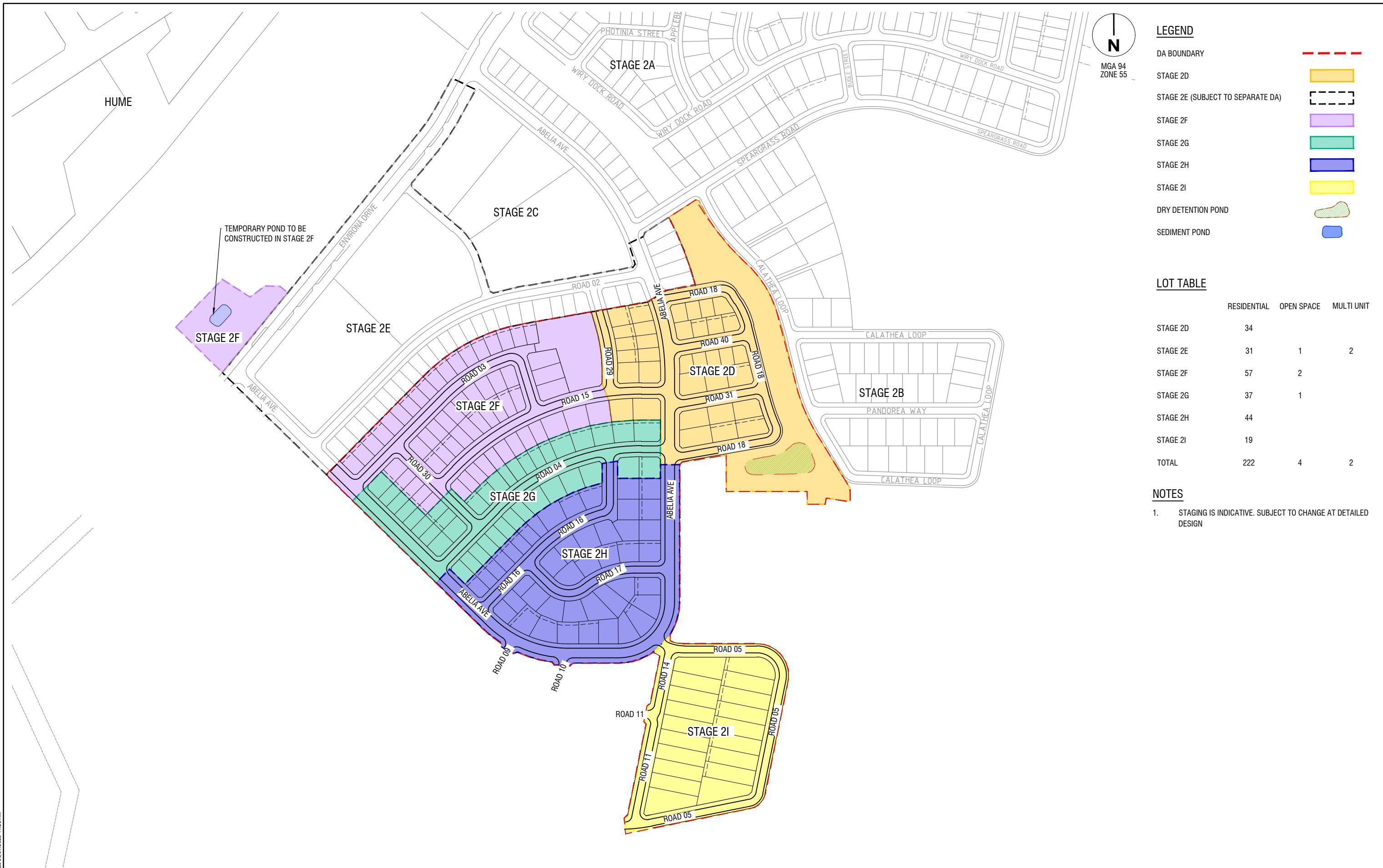
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EXISTING SERVICES PLAN
SHEET 1
QPRC DEVELOPMENT APPLICATION

Drg No
32344-001CD010 B
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**SOUTHERN JERRABOMBERRA ESTATE 2
NORTHERN CATCHMENT**
STAGING PLAN
SHEET 1
QPRC
DEVELOPMENT APPLICATION
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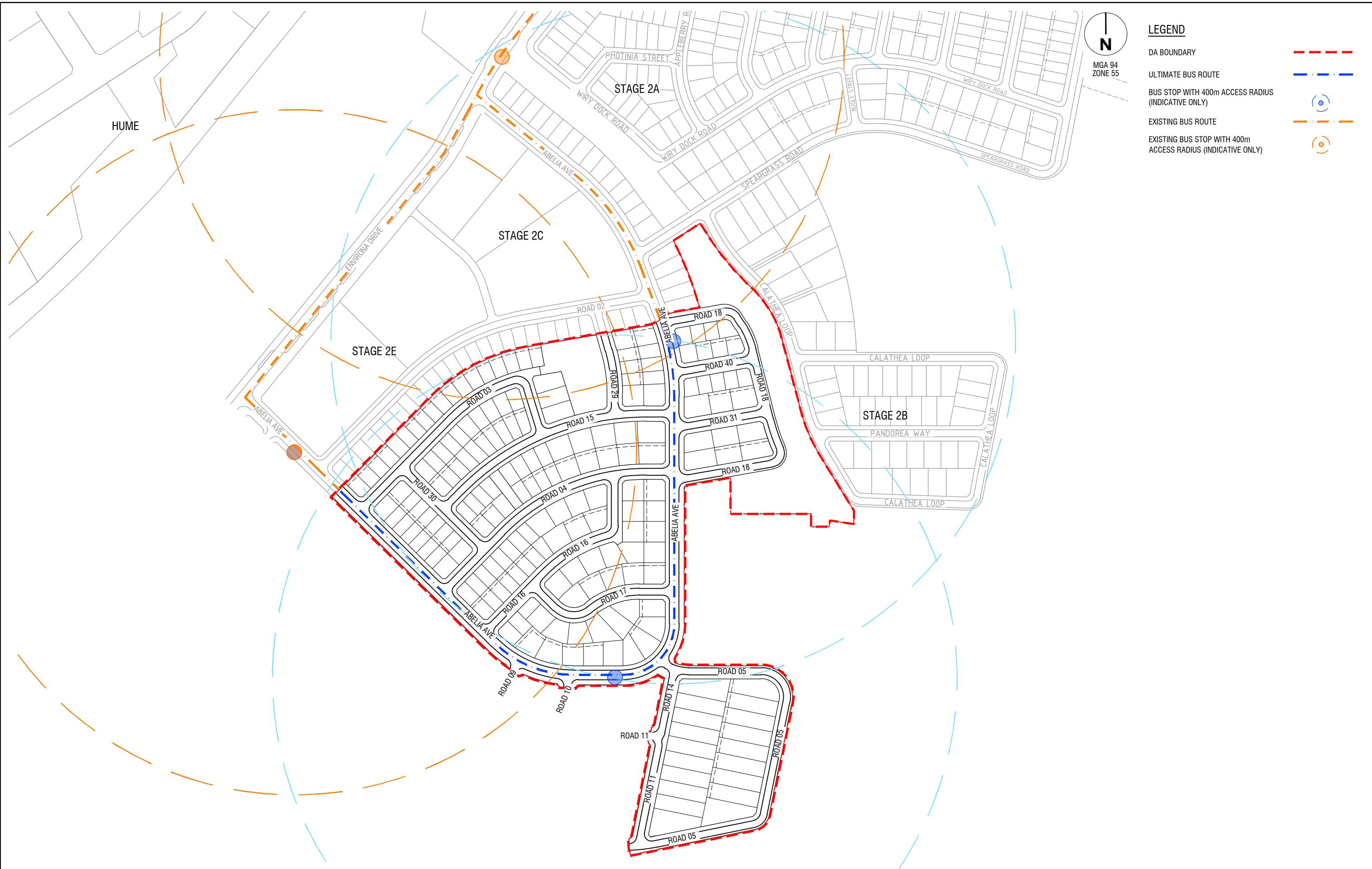
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SOUTHE JERRABOMBERRA ESTATE 2 NORTHERN CATCHMENT
STREET HIERARCHY, PATH & DRIVEWAY PLAN
SHEET 1
QPRC
DEVELOPMENT APPLICATION
Drg No
32344-001CD040 B
Rev



file name 32344-001CD050.dwg layout name CD050 plotted by Jimi Zhang
the location G:\223244\401\CAD\plot date 09/07/2025 11:28 AM

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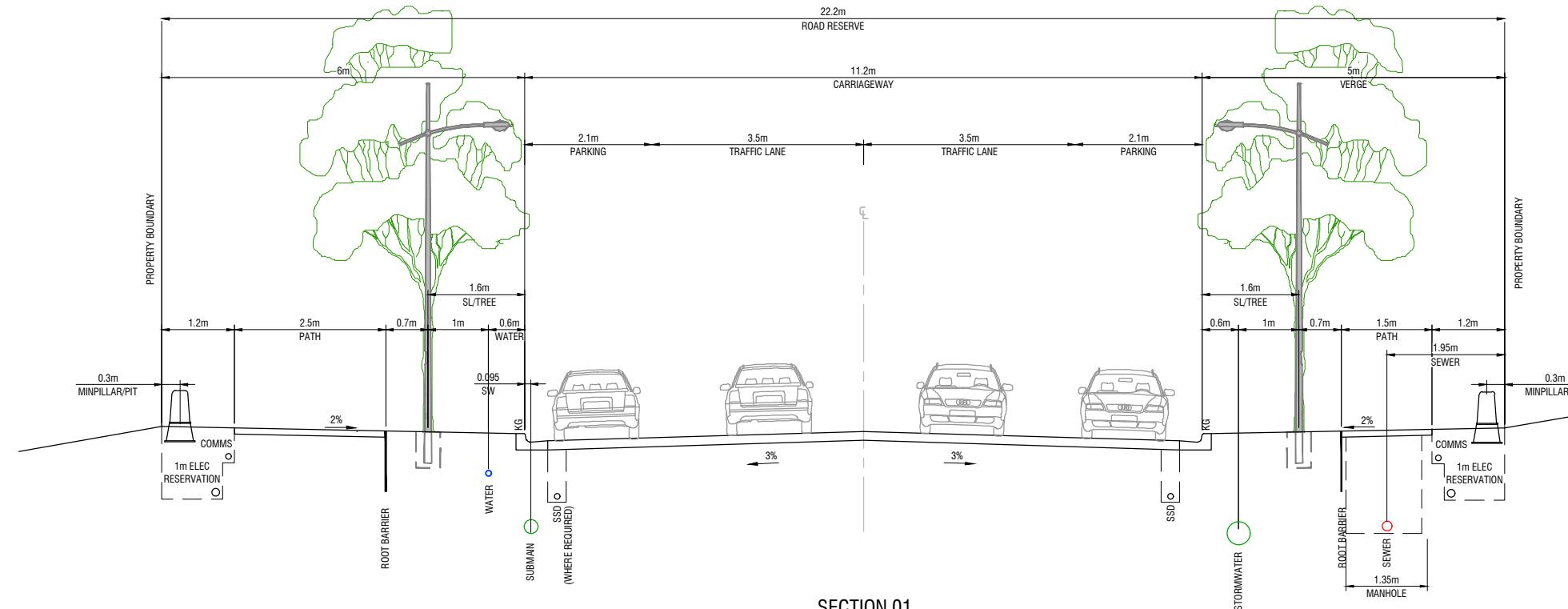
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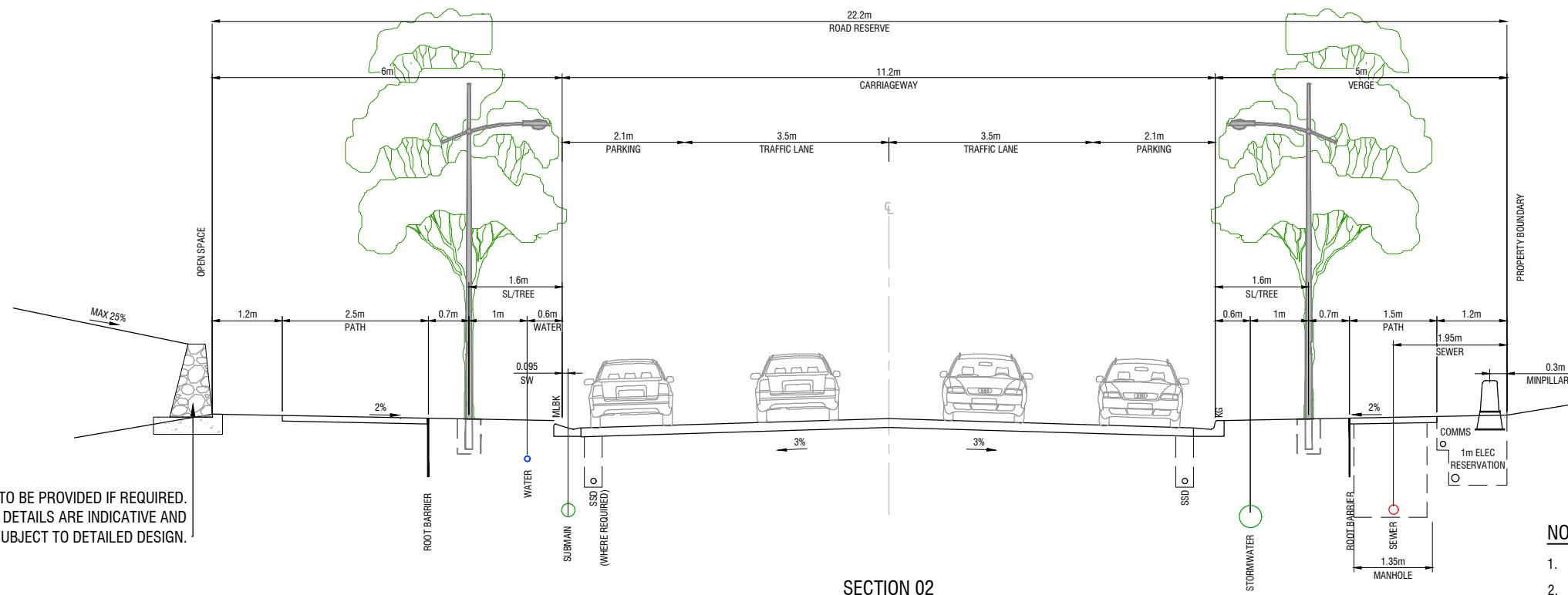
**SOUTHERN JERRABOMBERRA ESTATE 2
NORTHERN CATCHMENT**
BUS ROUTE PLAN
SHEET 1
QPRC
DEVELOPMENT APPLICATION
Drg No
323444-001CD050 B



SECTION 01
COLLECTOR STREET - 11.2m CARRIAGEWAY WITH MIN. 5m VERGE

ABBREVIATIONS

KG	KERB AND GUTTER
MLBK	MODIFIED LAYBACK KERB
SL	STREET LIGHT
SSD	SUBSOIL DRAINAGE



SECTION 02
COLLECTOR STREET - 11.2m CARRIAGEWAY WITH MIN. 5m VERGE

NOTES

1. STORMWATER OFFSETS ARE SHOWN FOR PIPES UP TO AND INCLUDING 9000
2. LOCATIONS OF ROOT BARRIERS TO BE CONFIRMED AT DETAILED DESIGN BY LANDSCAPE ARCHITECT.
3. LOCATIONS AND DETAILS OF STREET LIGHT AND TREES TO BE CONFIRMED AT DETAILED DESIGN BY LANDSCAPE ARCHITECT.
4. TYPICAL SERVICE OFFSETS ARE SHOWN. SERVICES MAY BE IN EITHER VERGE.

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Scale
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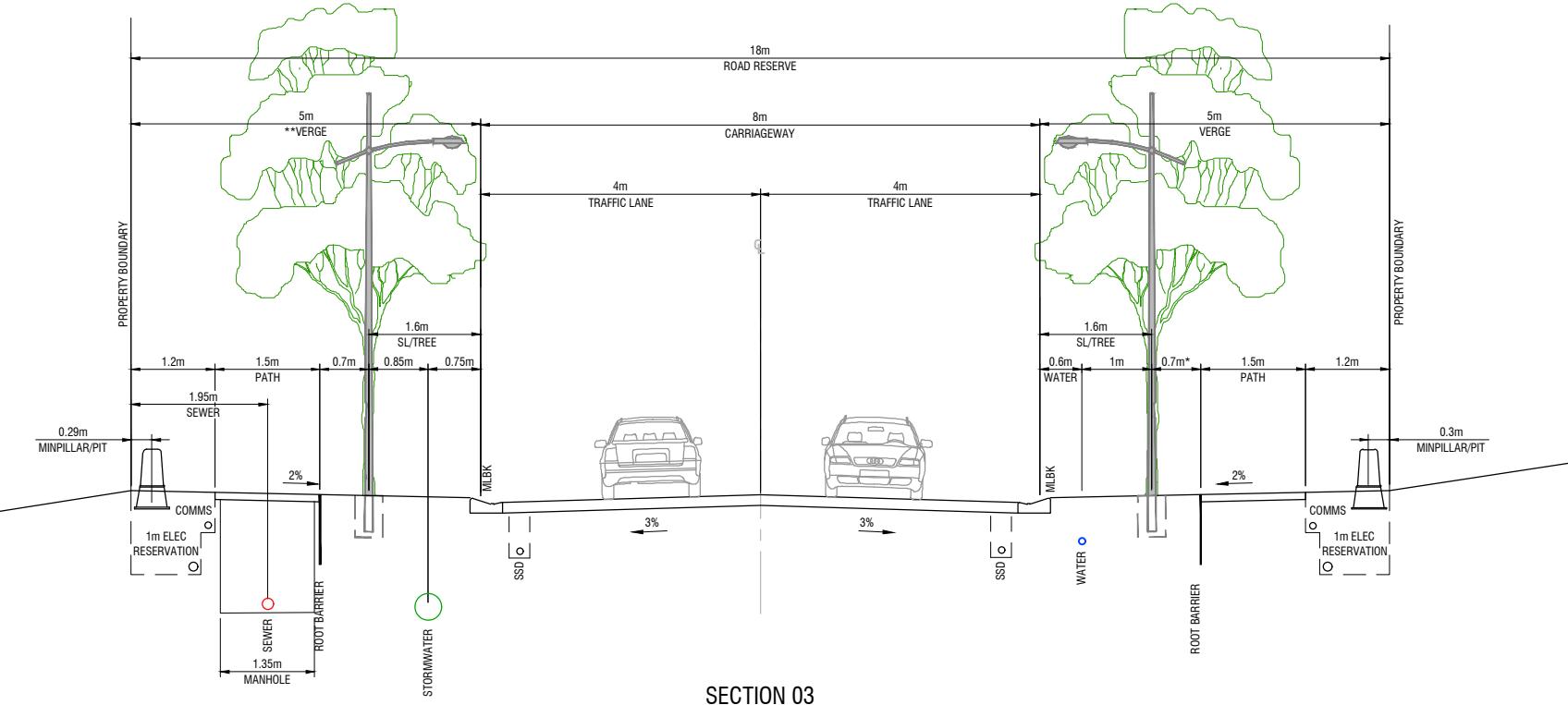
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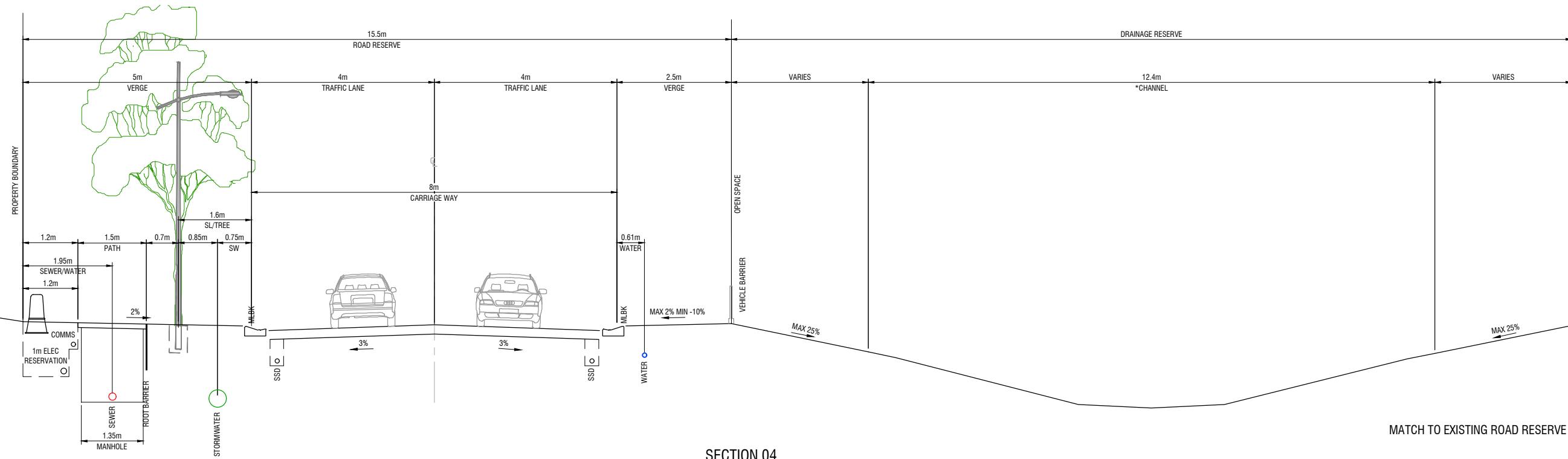
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NORTHERN CATCHMENT**
TYPICAL CROSS SECTIONS
SHEET 1
QPRC
DEVELOPMENT APPLICATION
Drg No
32344-001CD060 B
Rev



ABBREVIATIONS

MLBK	MODIFIED LAYBACK KERB
SL	STREET LIGHT
SSD	SUBSOIL DRAINAGE

* REFER 323444-001CD52 FOR CHANNEL DETAILS
** NO PATH AND SEWER UNDER VERGE ON ROAD 29



NOTES

1. REFER CD060 FOR GENERAL NOTE AND LEGEND.

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Scale
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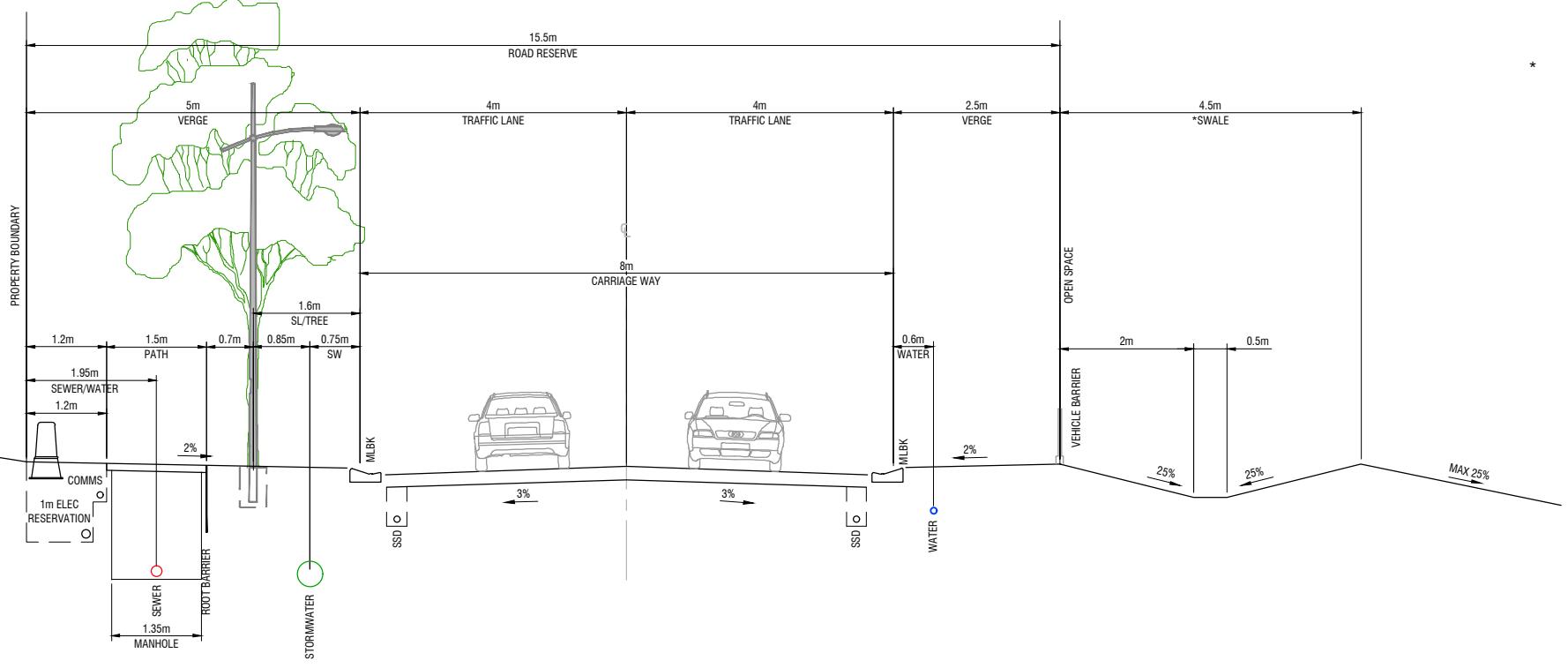
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**SOUTHE JERRABOMBERRA ESTATE 2
NORTHERN CATCHMENT**

**TYPICAL CROSS SECTIONS
SHEET 2
QPRC
DEVELOPMENT APPLICATION**

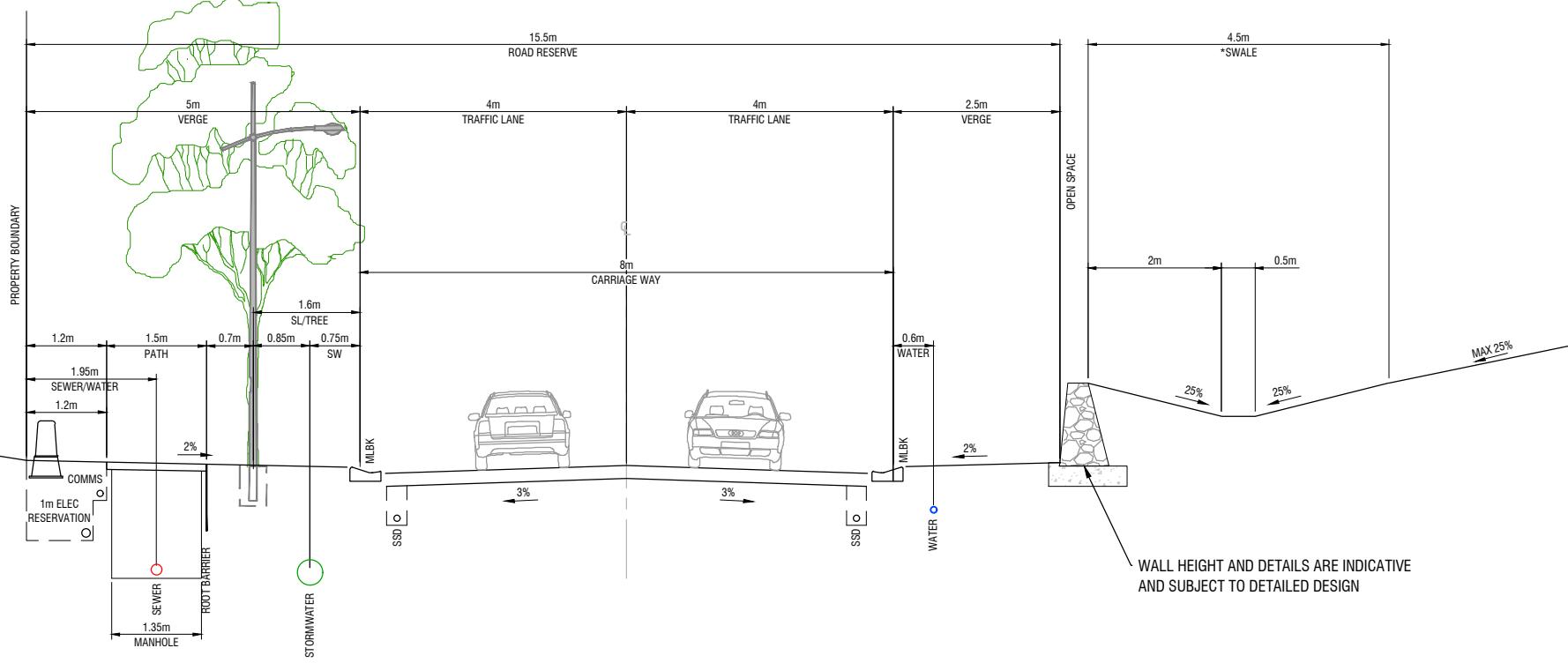
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323444-001CD061 B
Rev



ABBREVIATIONS

MLBK	MODIFIED LAYBACK KERB
SL	STREET LIGHT
SSD	SUBSOIL DRAINAGE

SECTION 05
EDGE STREET - 8m CARRIAGeway WITH MIN. 5.0m VERGE



WALL HEIGHT AND DETAILS ARE INDICATIVE
AND SUBJECT TO DETAILED DESIGN

SECTION 06
EDGE STREET - 8m CARRIAGeway WITH MIN. 5.0m VERGE

NOTES

1. REFER CD060 FOR GENERAL NOTE AND LEGEND.

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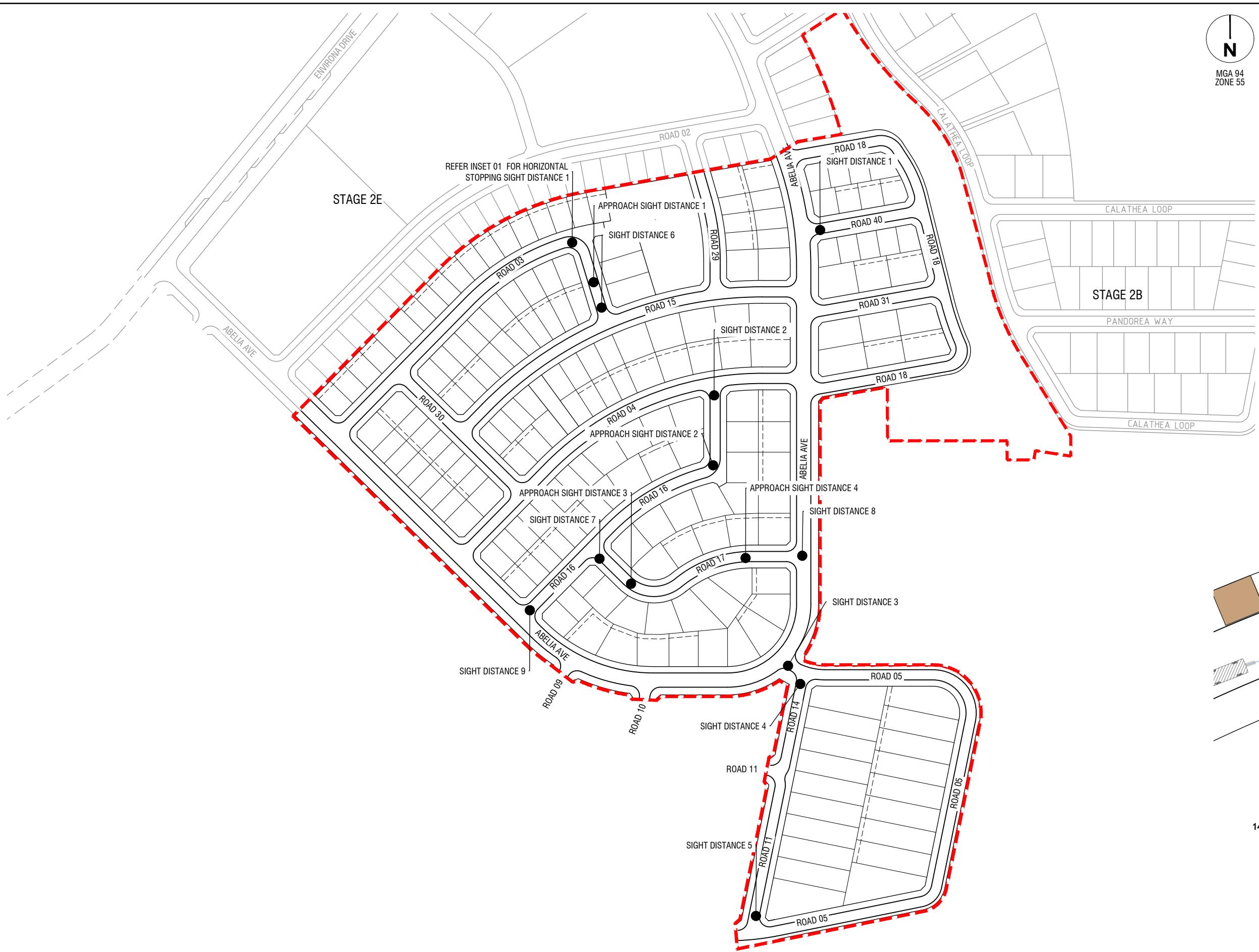
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**SOUTHE JERRABOMBERRA ESTATE 2
NORTHERN CATCHMENT**
TYPICAL CROSS SECTIONS
SHEET 3
QPRC
DEVELOPMENT APPLICATION
Drg No
32344-001CD062 B
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LEGEND

DA BOUNDARY

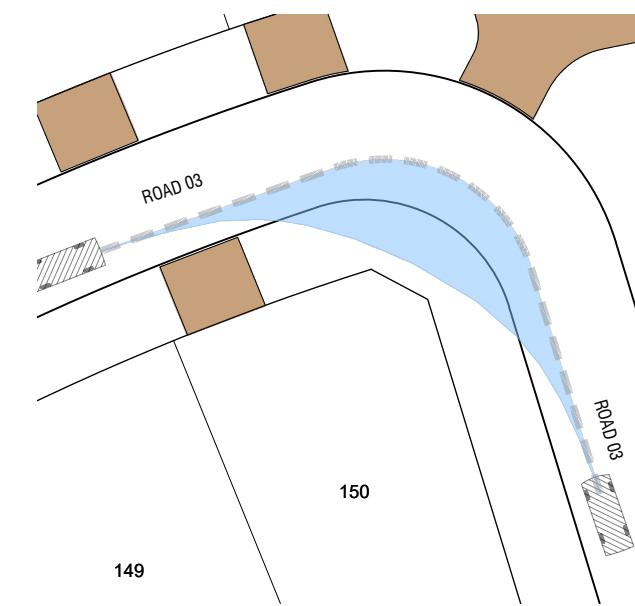
SIGHT DISTANCE TRIANGLE

VEHICLE CONFLICT POINT

PROPOSED NO PARKING TO BE
CONFIRMED IN DETAILED DESIGN

TES:

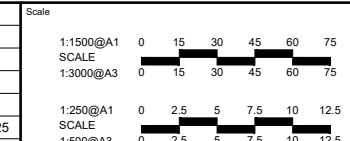
1. REFER TO 323444-001CD101 FOR SIGHT DISTANCE DETAILS 1, 2 & 3 AND 323444-001CD102 FOR DETAILS 4, 5 & 6 AND 323444-001CD103 FOR DETAILS 7, 8 & 9.
 2. REFER TO 323444-001CD104 FOR APPROACH SIGHT DISTANCE 1, 2, 3 & 4.
 3. SAFE INTERSECTION SIGHT DISTANCE (SISD) AND APPROACH SIGHT DISTANCE (ASD) HAVE BEEN PREPARED IN ACCORDANCE WITH AUSTROADS GUIDE TO ROAD DESIGN (ARGD) PART 4A: UNSIGNALISED AND SIGNALISED INTERSECTIONS
 4. HORIZONTAL STOPPING SIGHT DISTANCE HAS BEEN PREPARED IN ACCORDANCE WITH AUSTROADS GUIDE TO ROAD DESIGN (ARGD) PART 3: GEOMETRIC DESIGN



INSET 01
SCALE 1 : 250

SIGHT DISTANCE	INSET 01	
Rt	2.5	s
d	0.36	
V vehicle A	40	km/h
a vehicle A	-10	%
SSD vehicle A	45.78	m

Rev	Amendments	Approved	Date
C	QPRC RFI ADDRESSED	RM	17-09-2018
B	ISSUED FOR APPROVAL	C.J.C	09-07-2018
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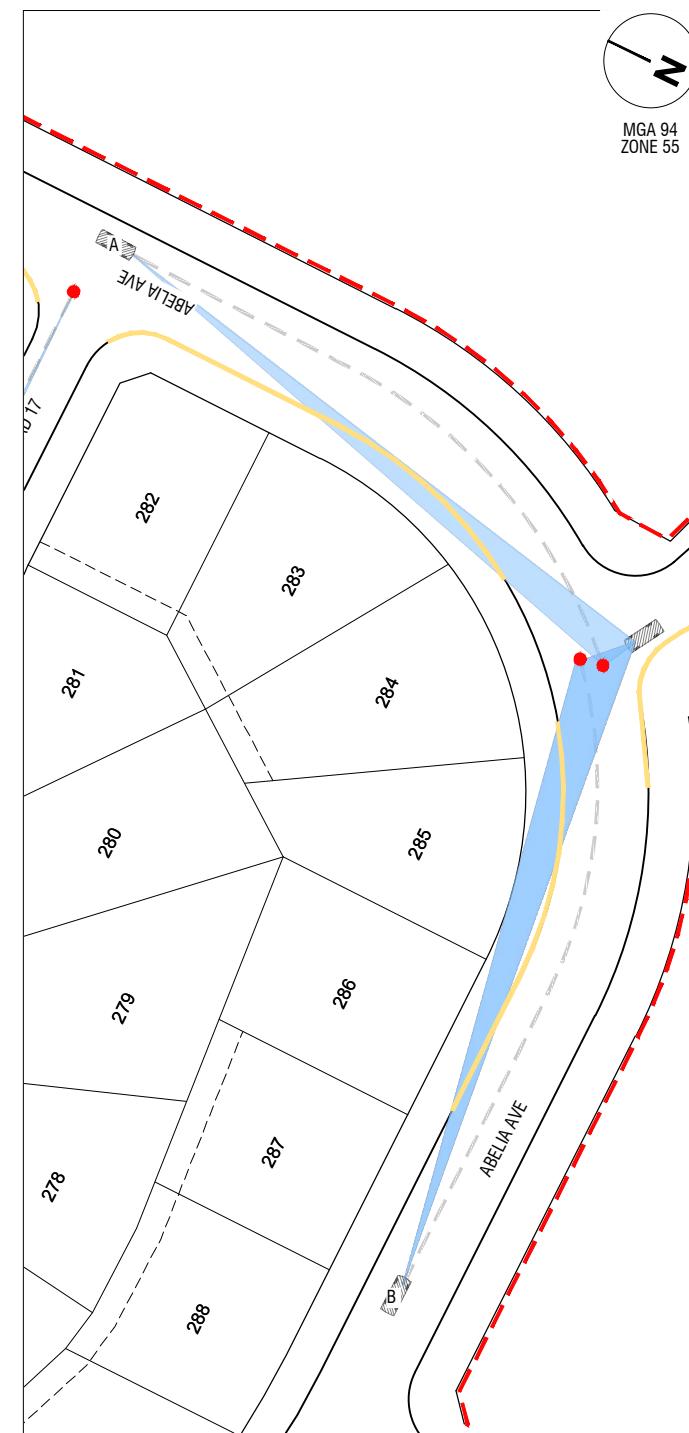
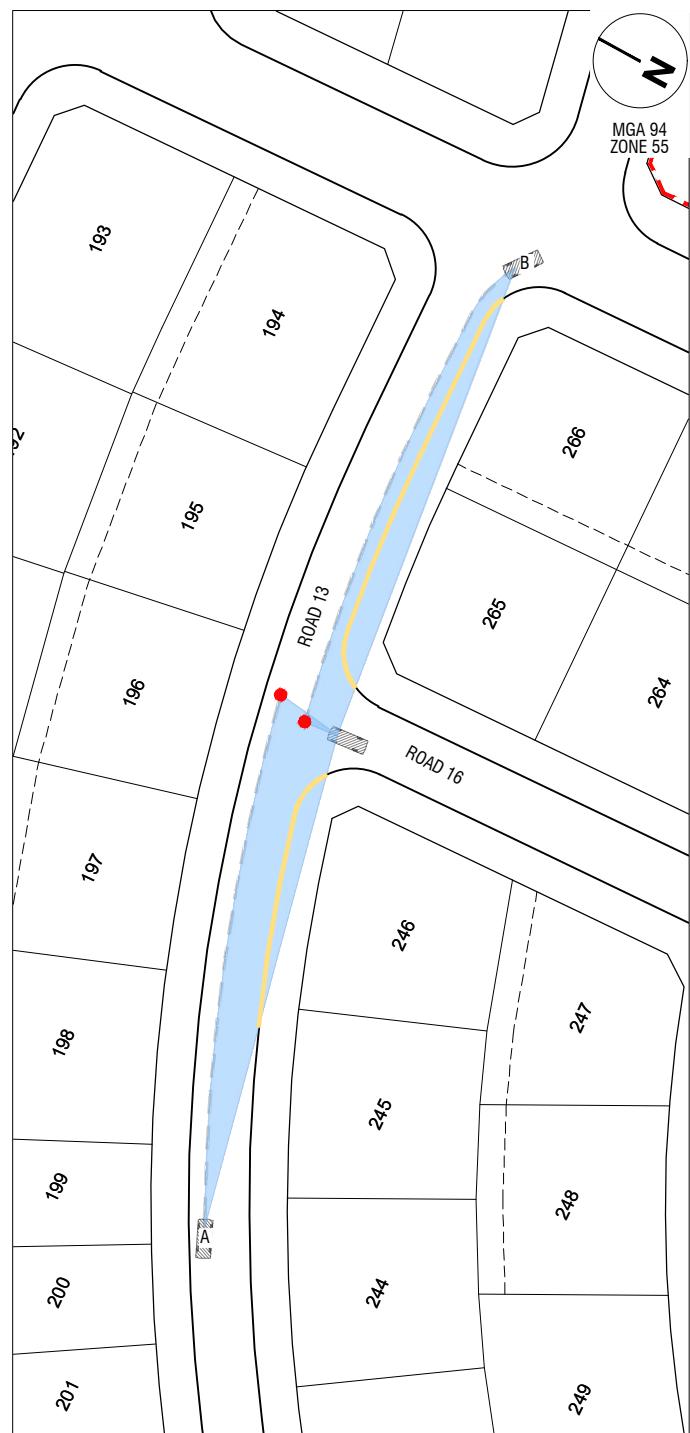
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Date
09 July

**SOUTHE JERRABOMBERRA ESTATE 2
NORTHERN CATCHMENT
SIGHT DISTANCE
SHEET 1**

SHEET 1
QPRC
DEVFI OPMENT APPLICATION

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ABBREVIATIONS

SISD	SAFE INTERSECTION SIGHT DISTANCE
V	OPERATING SPEED
d	COEFFICIENT OF DECELERATION
a	LONGITUDINAL GRADE
Dt	DECISION TIME
Rt	REACTION TIME

SIGHT DISTANCE	1	
DT	4.5	s
d	0.36	
V vehicle A	50	km/h
a vehicle A	9	%
SISD vehicle A	84.50	m
V vehicle B	50	km/h
a vehicle B	-7.5	%
SISD vehicle B	97.50	m

SIGHT DISTANCE	2	
DT	4.5	s
d	0.36	
V vehicle A	40	km/h
a vehicle A	-5	%
SISD vehicle A	70.50	m
V vehicle B	40	km/h
a vehicle B	4	%
SISD vehicle B	66.00	m

SIGHT DISTANCE	3	
DT	4.5	s
d	0.36	
V vehicle A	50	km/h
a vehicle A	7.3	%
SISD vehicle A	85.50	m
V vehicle B	50	km/h
a vehicle B	2.5	%
SISD vehicle B	88.50	m

NOTE:

1. THE DESIGN SPEED OF 40km/hr HAS BEEN ADOPTED DUE TO THE TURNING MOVEMENT ACROSS THE ABELIA AVE AND ROAD 13 INTERSECTION

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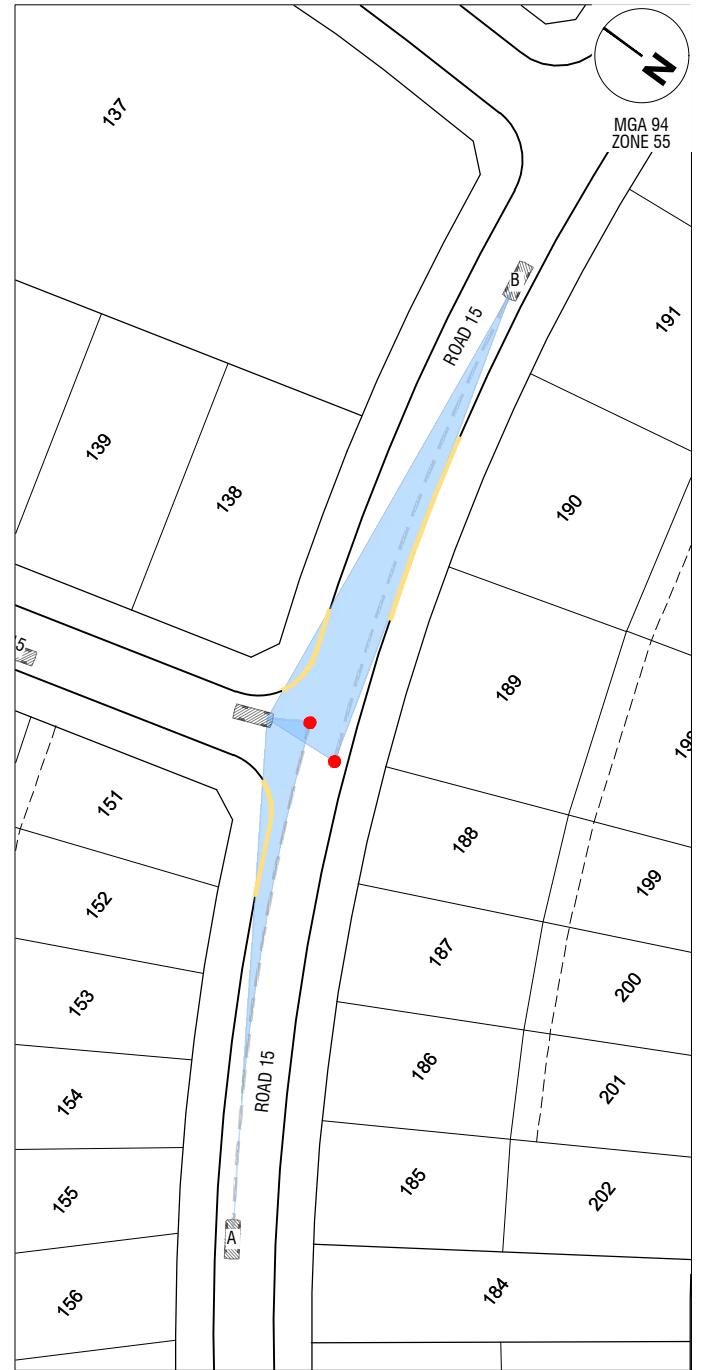
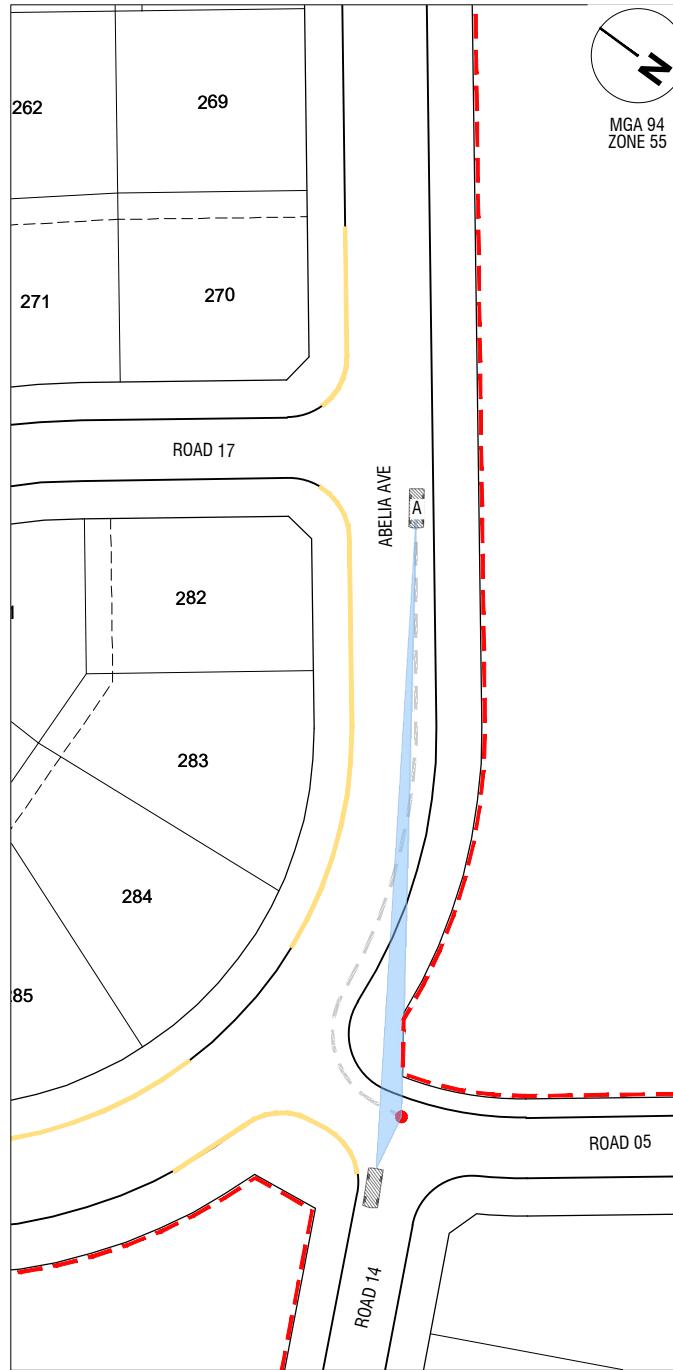
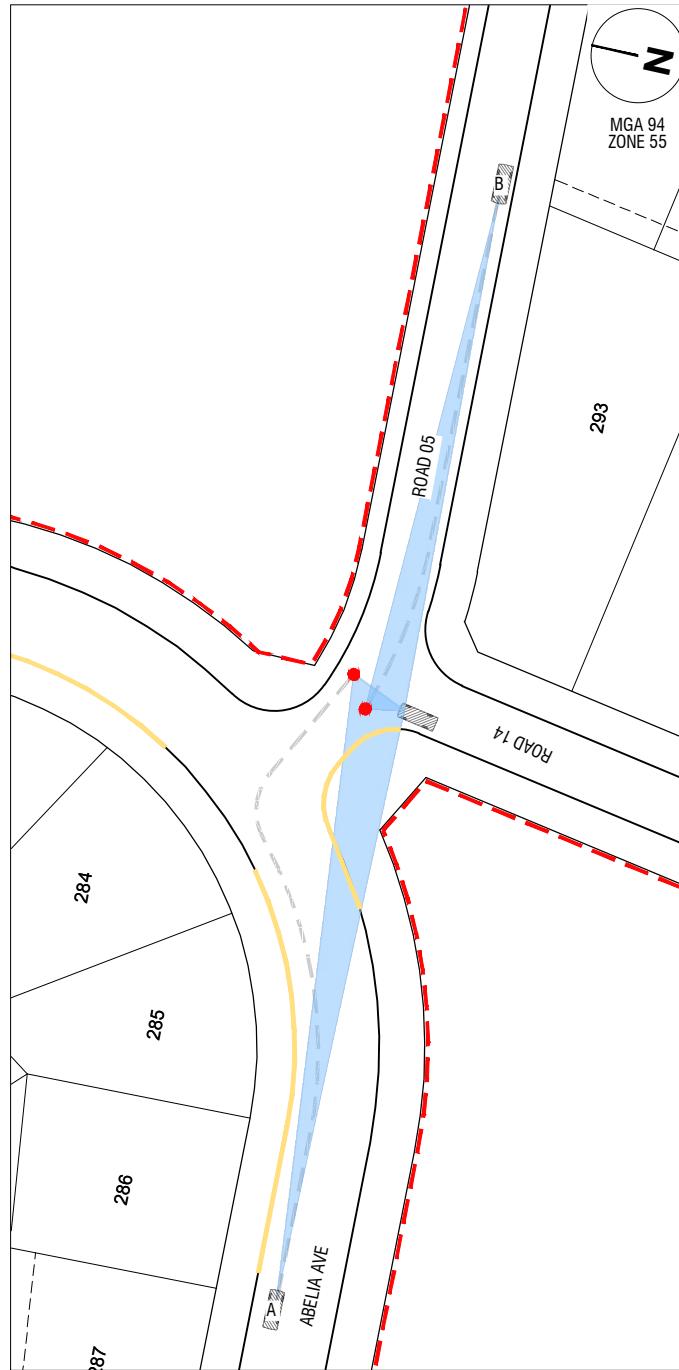
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SIGHT DISTANCE
SHEET 2
QPRC
DEVELOPMENT APPLICATION
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SIGHT DISTANCE	4	
DT	4.5	s
d	0.36	
V vehicle A	50	km/h
a vehicle A	2.5	%
SISD vehicle A	88.50	m
V vehicle B	40	km/h
a vehicle B	-5	%
SISD vehicle B	70.50	m

SIGHT DISTANCE	5	
DT	4.5	s
d	0.36	
V vehicle A	50	km/h
a vehicle A	7.3	%
SISD vehicle A	85.50	m

SIGHT DISTANCE	6	
DT	4.5	s
d	0.36	
V vehicle A	40	km/h
a vehicle A	-0.75	%
SISD vehicle A	68.00	m
V vehicle B	40	km/h
a vehicle B	2.5	%
SISD vehicle B	66.50	m

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1:500@ A1 0 5 10 15 20 25
SCALE
1:1000@ A3 0 5 10 15 20 25

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The Village
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Date
09 July 25

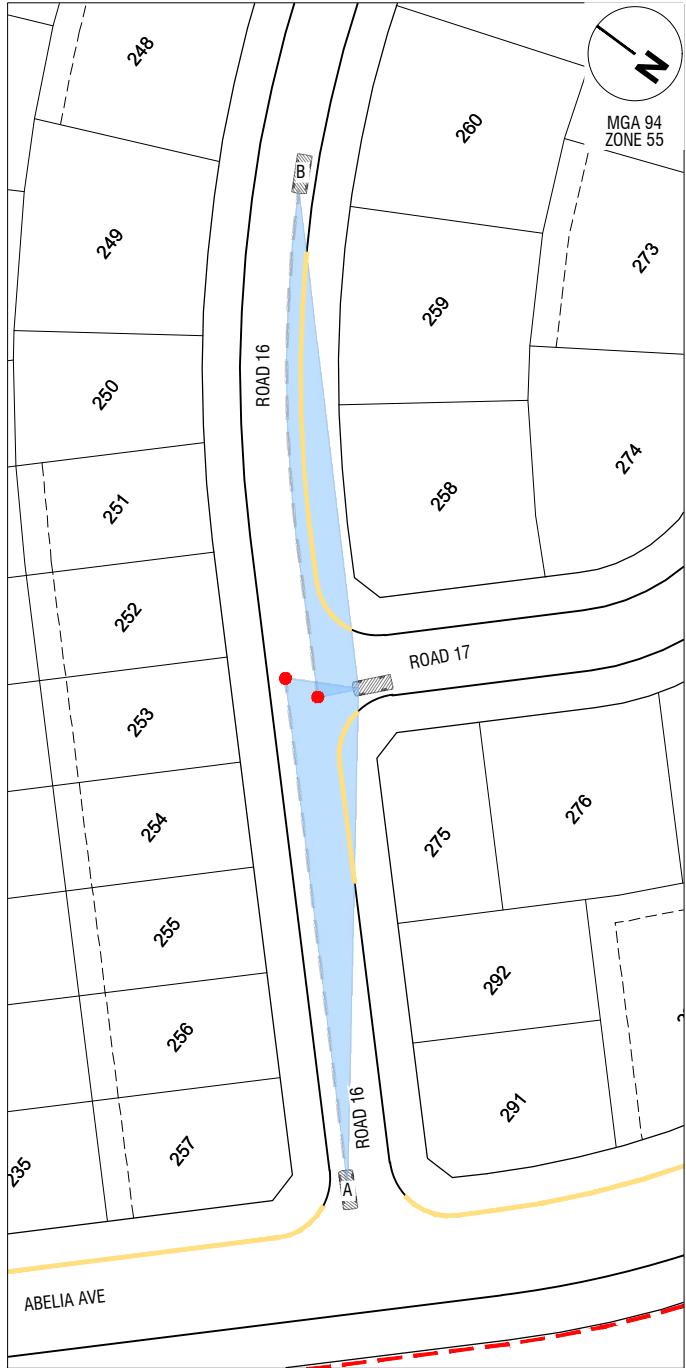
SOUTHE JERRABOMBERA ESTATE 2 NORTHERN CATCHMENT

IGHT DISTANCE HEET 3 PRC

APPLICATION

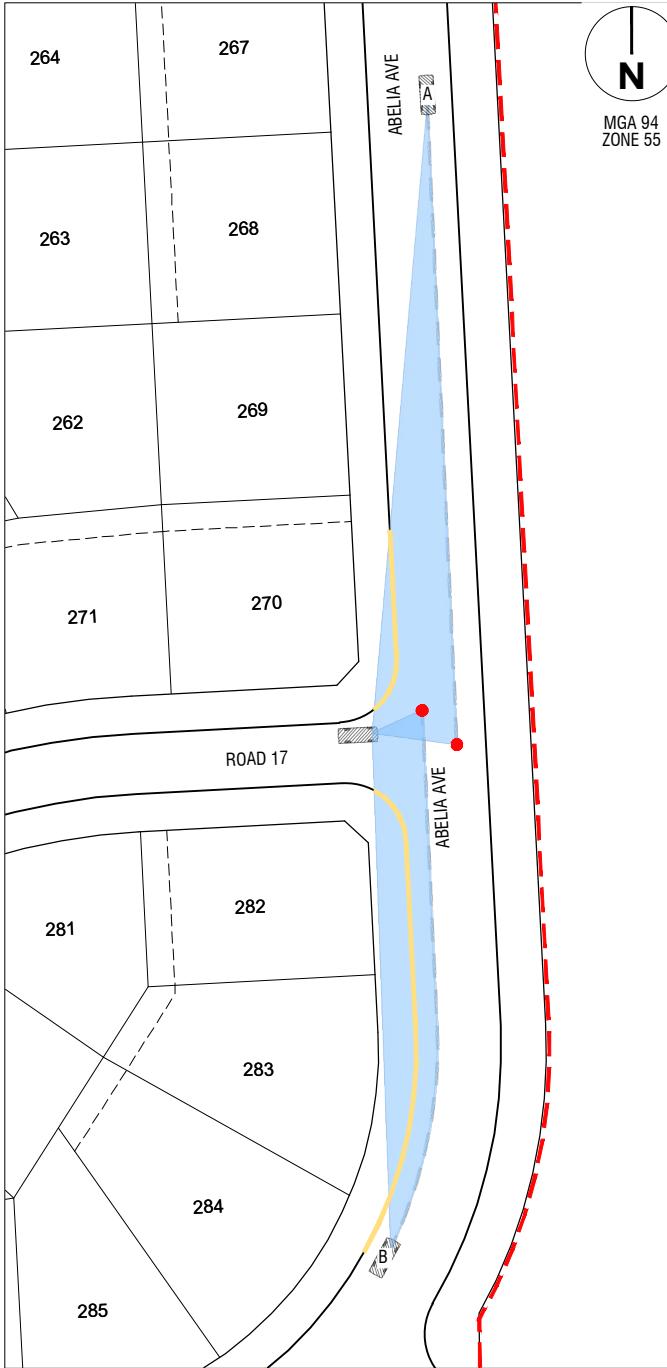
Drg No Rev

323444-001CD102 B

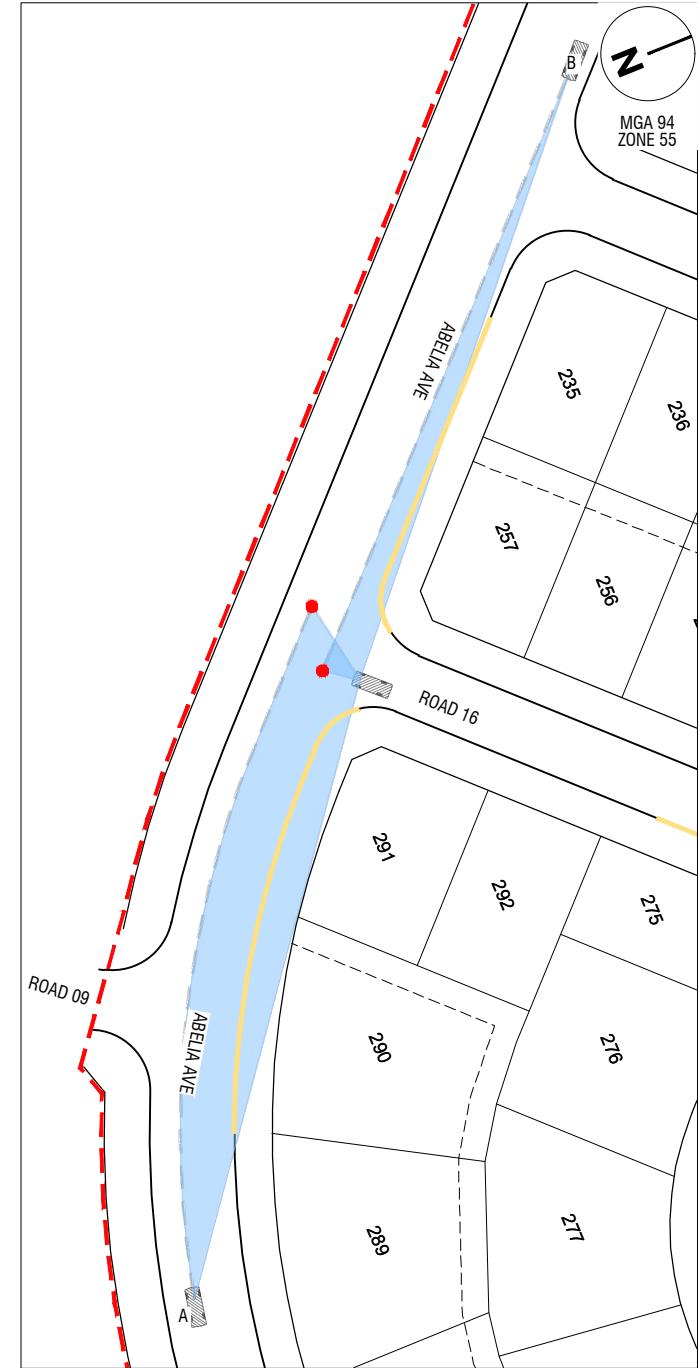


SIGHT DISTANCE	7	
DT	4.5	s
d	0.36	
V vehicle A	40	km/h
a vehicle A	1.6	%
SISD vehicle A	67.00	m
V vehicle B	40	km/h
a vehicle B	1	%
SISD vehicle B	67.50	m

B	ISSUED FOR APPROVAL	C.J.C 09-07-25
A	ISSUED FOR CLIENT REVIEW	C.J.C 30-06-25
Rev	Amendments	Approved Date



SIGHT DISTANCE	8	
DT	4.5	s
d	0.36	
V vehicle A	50	km/h
a vehicle A	8	%
SISD vehicle A	85.00	m
V vehicle B	40	km/h
a vehicle B	-7	%
SISD vehicle B	72.00	m



SIGHT DISTANCE	9	
DT	4.5	s
d	0.36	
V vehicle A	50	km/h
a vehicle A	-5	%
SISD vehicle A	94.50	m
V vehicle B	50	km/h
a vehicle B	7.5	%
SISD vehicle B	85.50	m

ABBREVIATIONS

SISD	SAFE INTERSECTION SIGHT DISTANCE
V	OPERATING SPEED
d	COEFFICIENT OF DECELERATION
a	LONGITUDINAL GRADE
Dt	DECISION TIME
Rt	REACTION TIME

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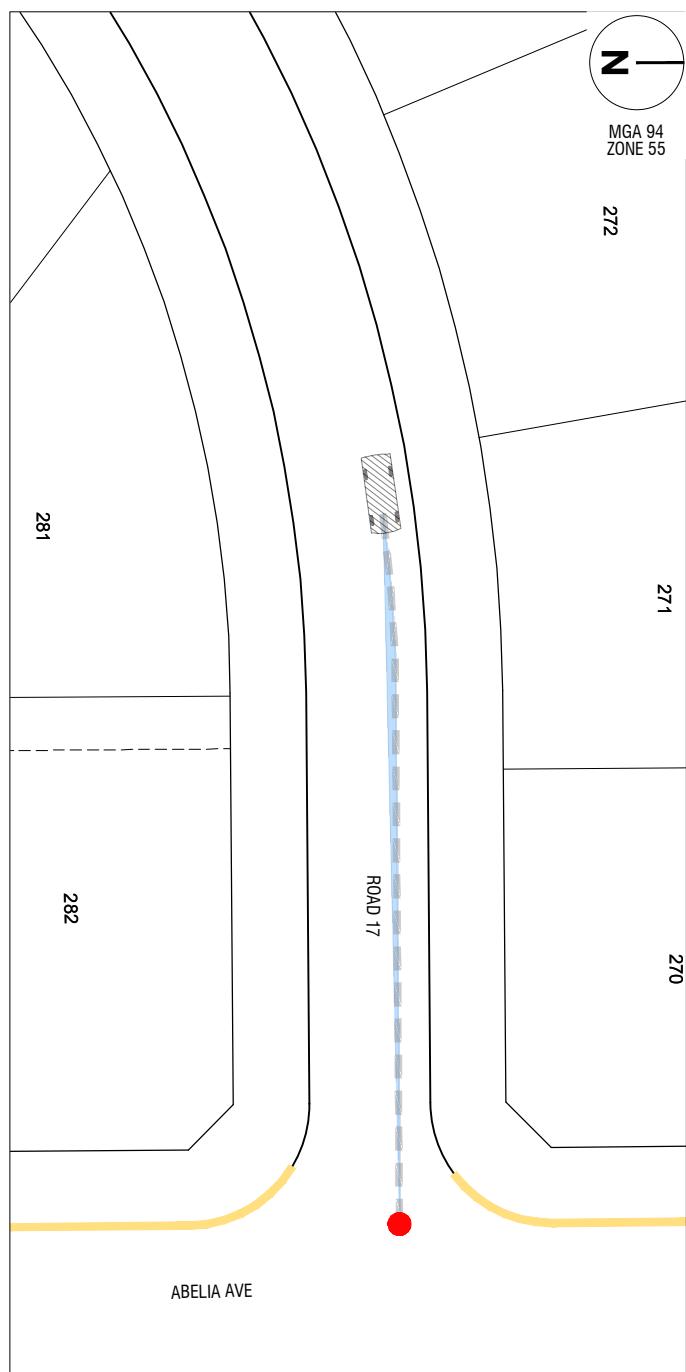
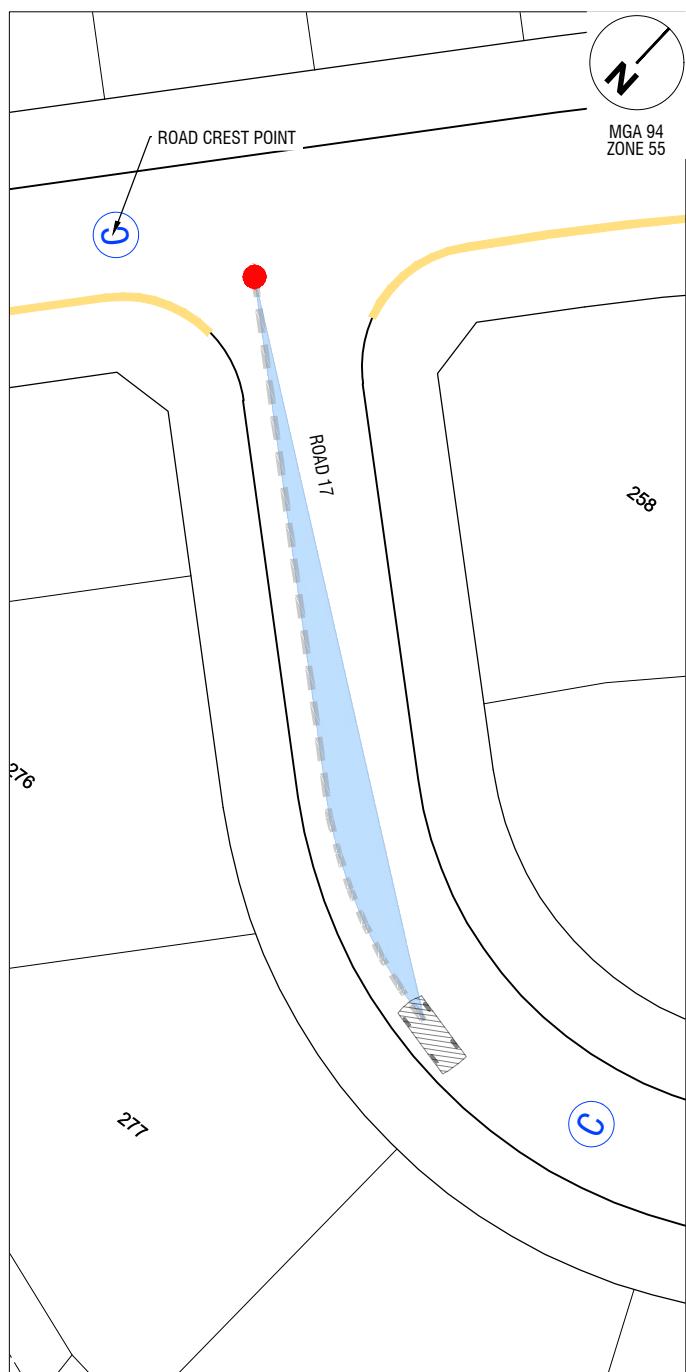
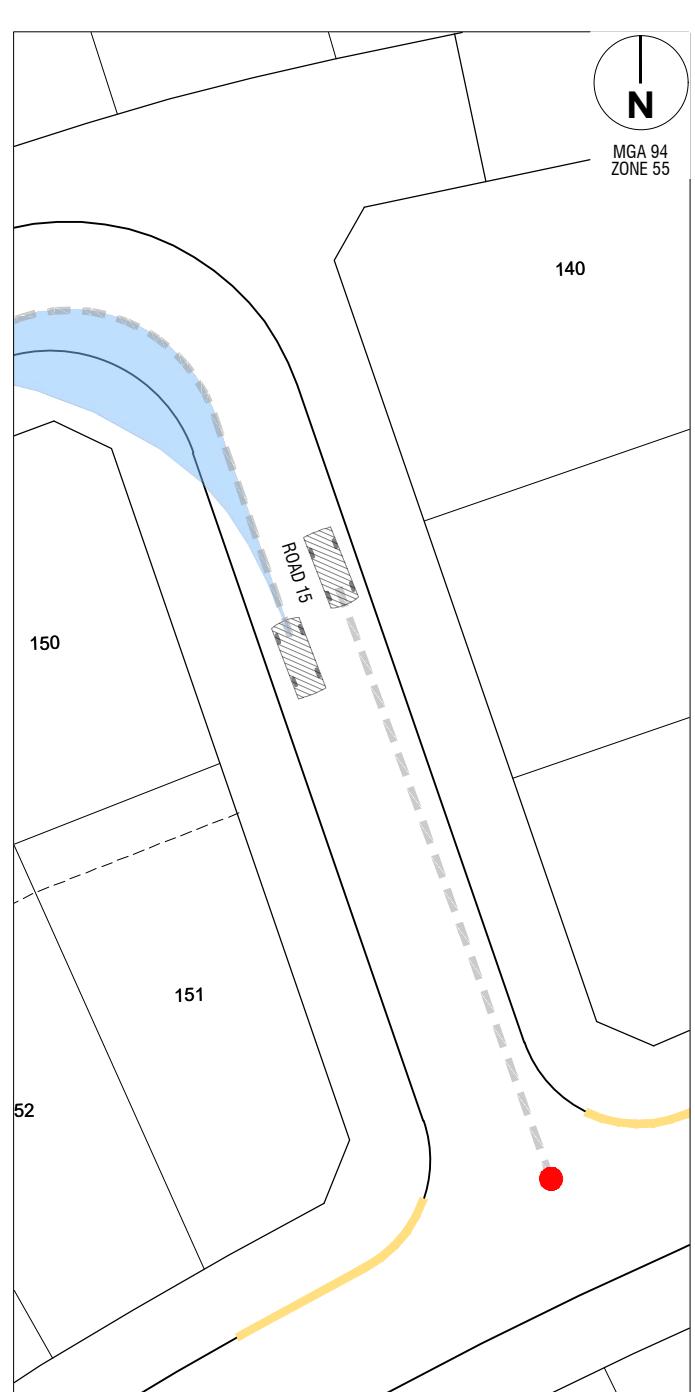
The Village
Building Co Est.1988

Designed
J.Zhang
Authorised
C.J.Corcoran
Checked
C.Otto
Date
09 July 25

**SOUTHE JERRABOMBERRA ESTATE 2
NORTHERN CATCHMENT**

**SIGHT DISTANCE
SHEET 4
QPRC
DEVELOPMENT APPLICATION**

Drg No
32344-001CD103 B
Rev



ASD	1	
Rt	2.5	s
d	0.36	
V vehicle A	40	km/h
a vehicle A	11	%
ASD vehicle A	41.50	m

ASD	2	
Rt	2.5	s
d	0.36	
V vehicle A	40	km/h
a vehicle A	-5.2	%
ASD vehicle A	48.50	m

ASD	3	
Rt	2.5	s
d	0.36	
V vehicle A	40	km/h
a vehicle A	-8.5	%
ASD vehicle A	51.00	m

ASD	4	
Rt	2.5	s
d	0.36	
V vehicle A	40	km/h
a vehicle A	-3	%
ASD vehicle A	47.00	m

ABBREVIATIONS

- ASD APPROACH SIGHT DISTANCE
- V OPERATING SPEED
- d COEFFICIENT OF DECELERATION
- a LONGITUDINAL GRADE
- Rt REACTION TIME

B	ISSUED FOR APPROVAL	C.J.C	09-07-25
A	ISSUED FOR CLIENT REVIEW	C.J.C	30-06-25
Rev	Amendments	Approved	Date

Scale
1:250@A1 0 2.5 5 7.5 10 12.5
1:500@A3 0 2.5 5 7.5 10 12.5

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Designed by J.Zhang Checked by C.Otto
Authorised by C.J.Corcoran Date 09 July 25

SOUTHE JERRABOMBERRA ESTATE 2 NORTHERN CATCHMENT
SIGHT DISTANCE SHEET 5
QPRC DEVELOPMENT APPLICATION
Drg No 32344-001CD104 Rev B



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SCALE
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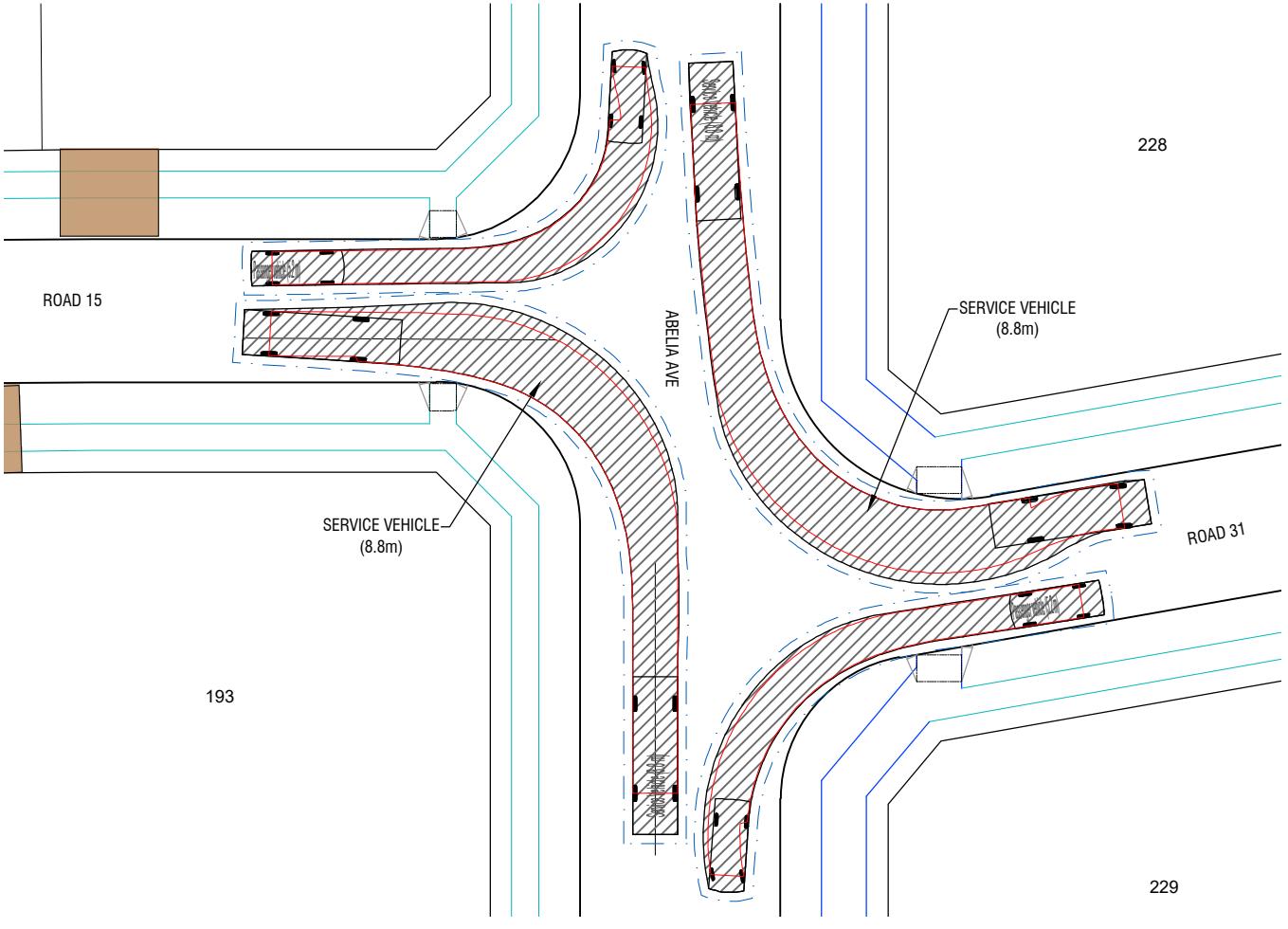
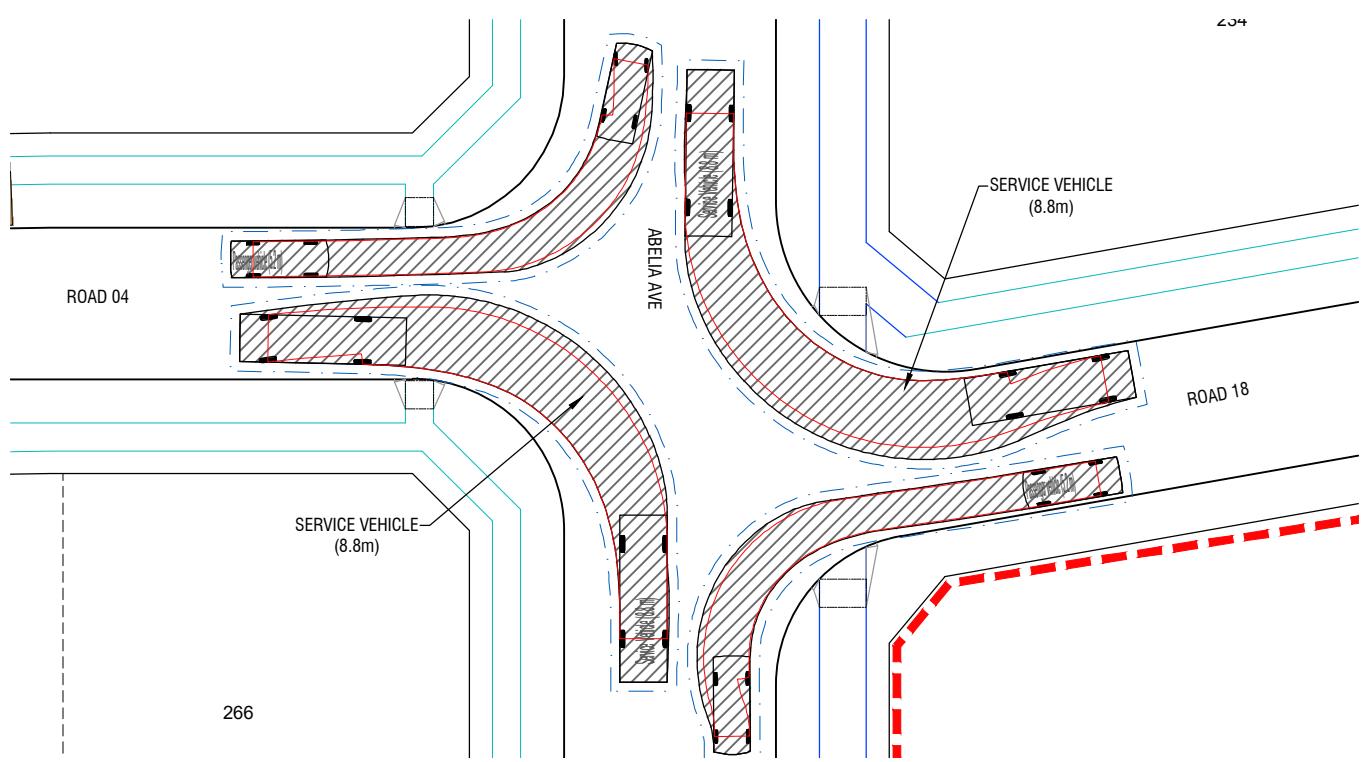
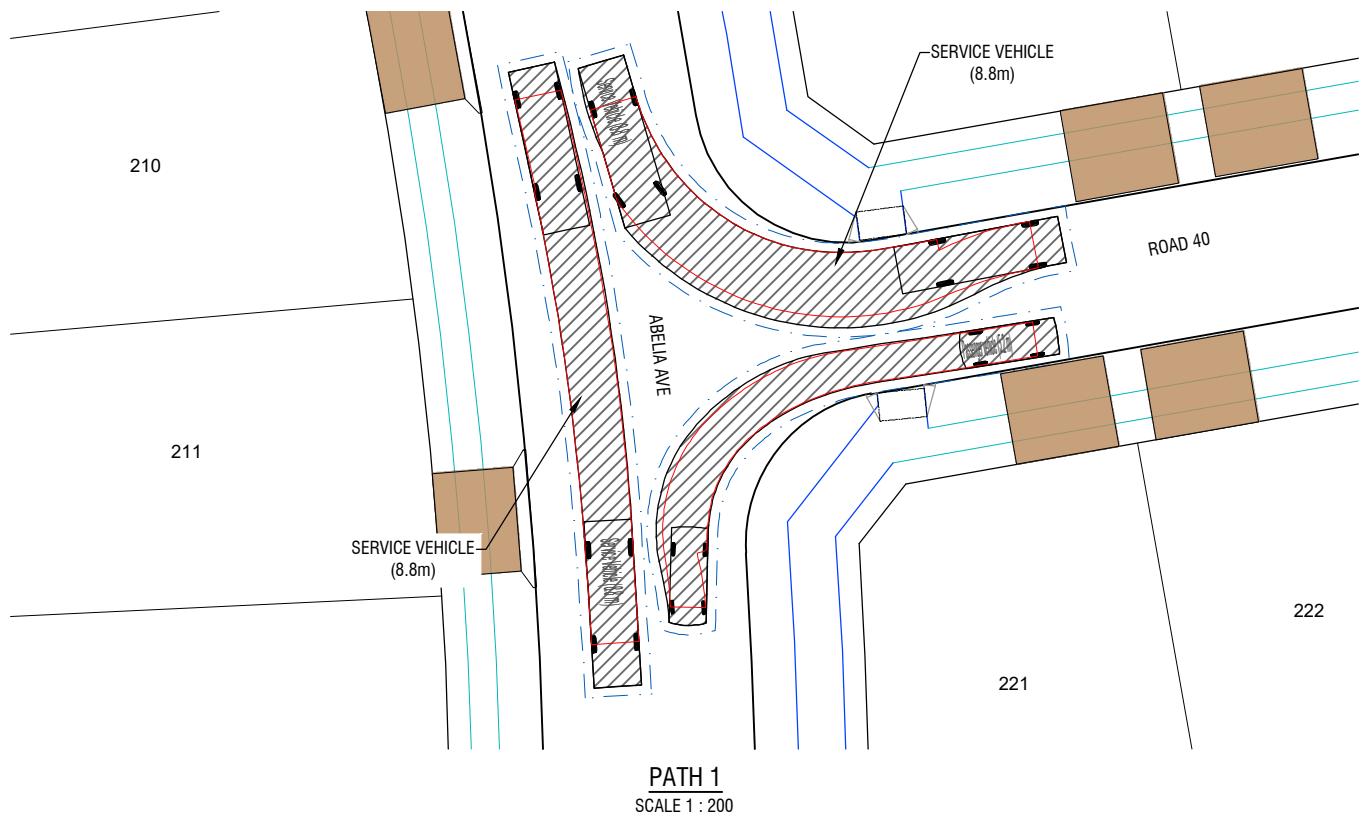
SOUTHE JERRABOMBERRA ESTATE 2 NORTHERN CATCHMENT

TURNING MOVEMENTS

SHEET 1

QPRC

DEVELOPMENT APPLICATION



SINGLE UNIT TRUCK/BUS (12.5m)

OVERALL LENGTH	12.5m
OVERALL WIDTH	2.5m
OVERALL BODY HEIGHT	4.3m
MIN BODY GROUND CLEARANCE	0.49m
TRACK WIDTH	2.5m
LOCK-TO-LOCK TIME	6.0s
KERB TO KERB TURNING RADIUS	12.5m

SERVICE VEHICLE (8.8m)

OVERALL LENGTH
OVERALL WIDTH
OVERALL BODY HEIGHT
MIN BODY GROUND CLEARANCE
TRACK WIDTH
LOCK-TO-LOCK TIME
KERB TO KERB TURNING RADIUS

PASSENGER VEHICLE (B99)

OVERALL LENGTH	5.20m
OVERALL WIDTH	1.94m
OVERALL BODY HEIGHT	1.94m
MIN BODY GROUND CLEARANCE	0.27m
TRACK WIDTH	1.84m
LOCK-TO-LOCK TIME	4.0s
KERB TO KERB TURNING RADIUS	6.25m

NOTES

1. VEHICLE TURNS PERFORMED AT 5km/h.
 2. REFER 323444-001CD120 FOR LEGEND

Scale											Registered Professional Engineer Name	
1:200@A1	0	2	4	6	8	10						
SCALE												
1:400@A3	0	2	4	6	8	10						
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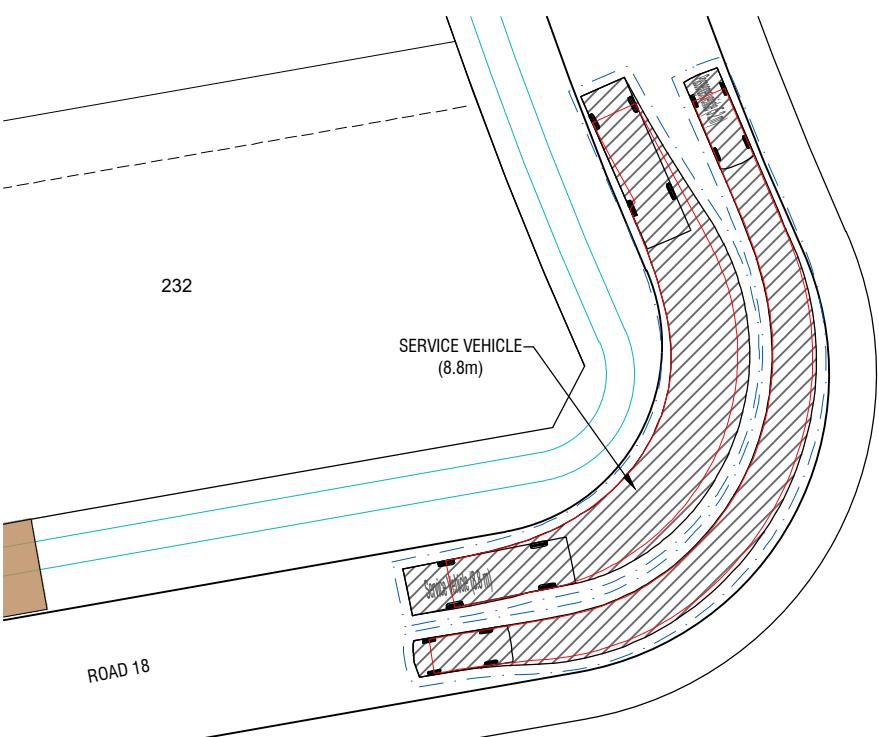
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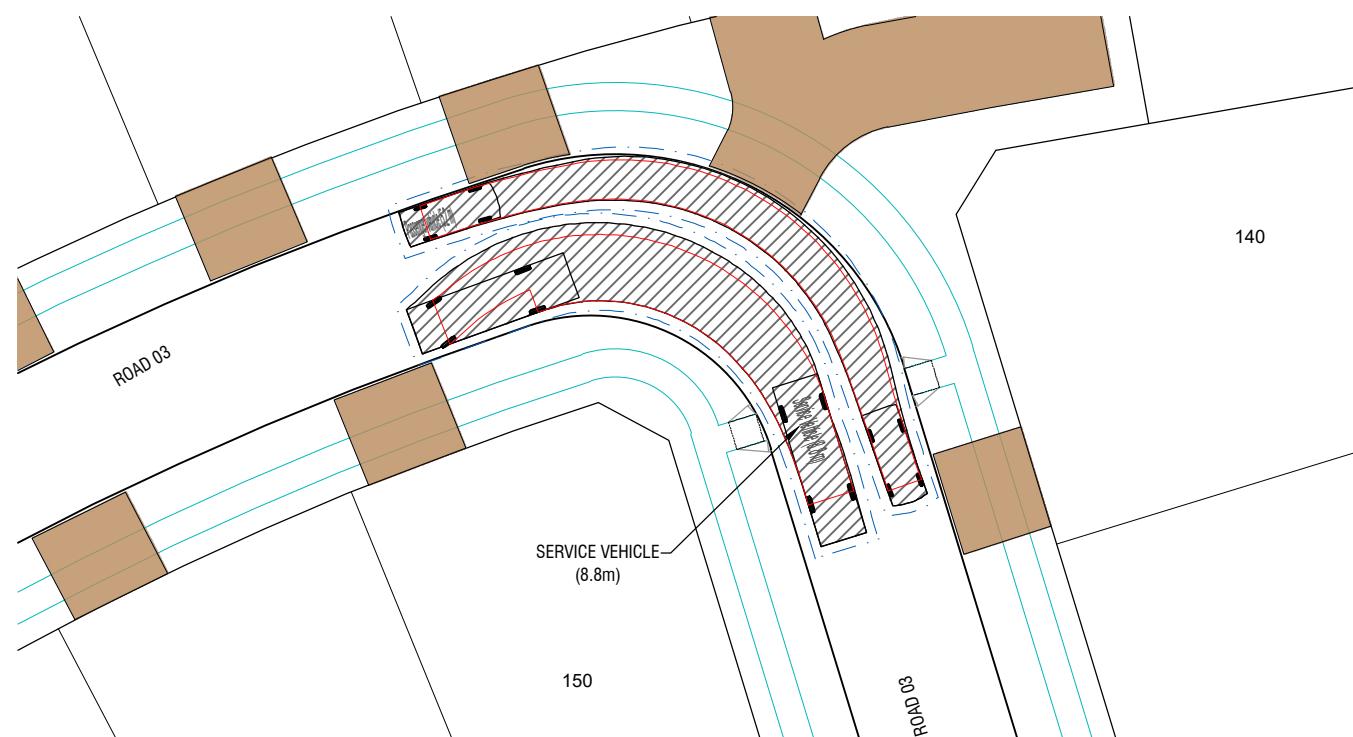
**SOUTHE JERRABOMBERRA ESTATE 2
NORTHERN CATCHMENT
TURNING MOVEMENTS
SHEET 2**

QPRC
DEVELOPMENT APPLICATION

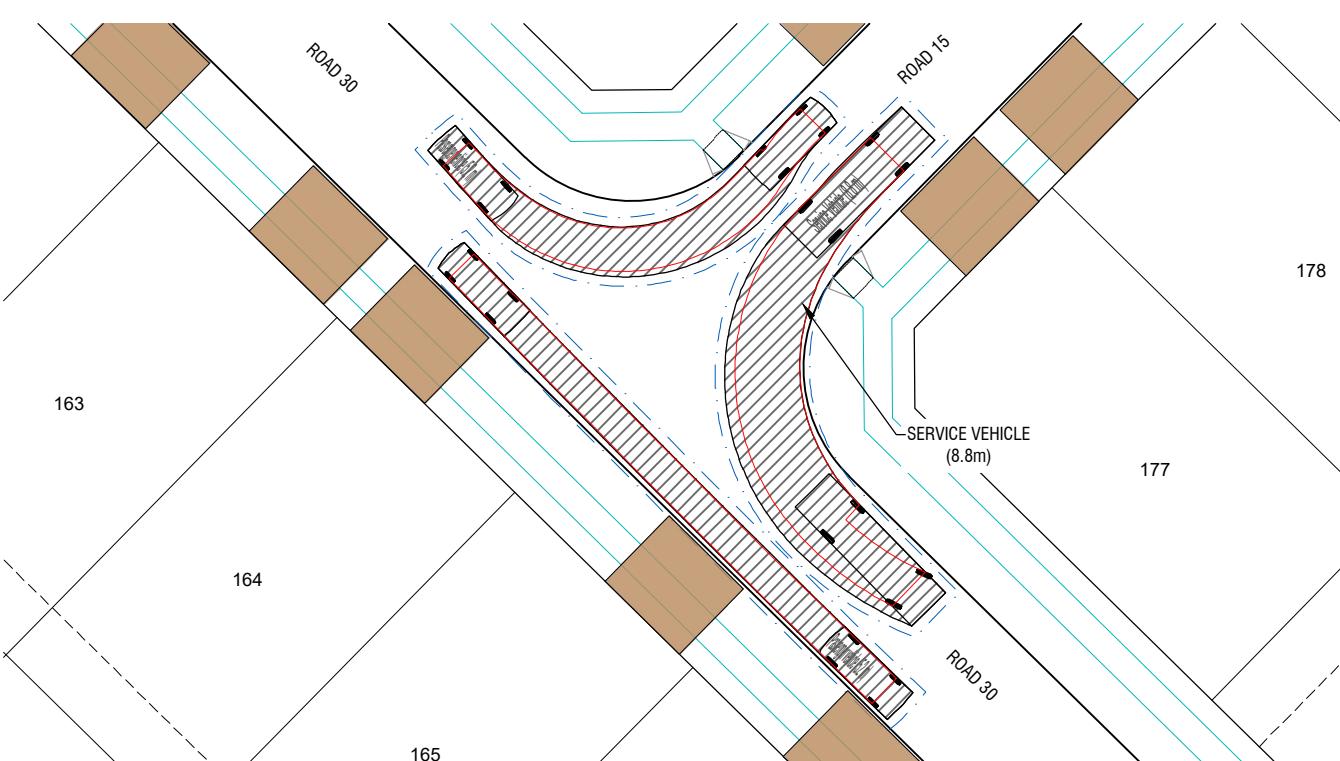
Drg No Rev
323444-001CD121 B



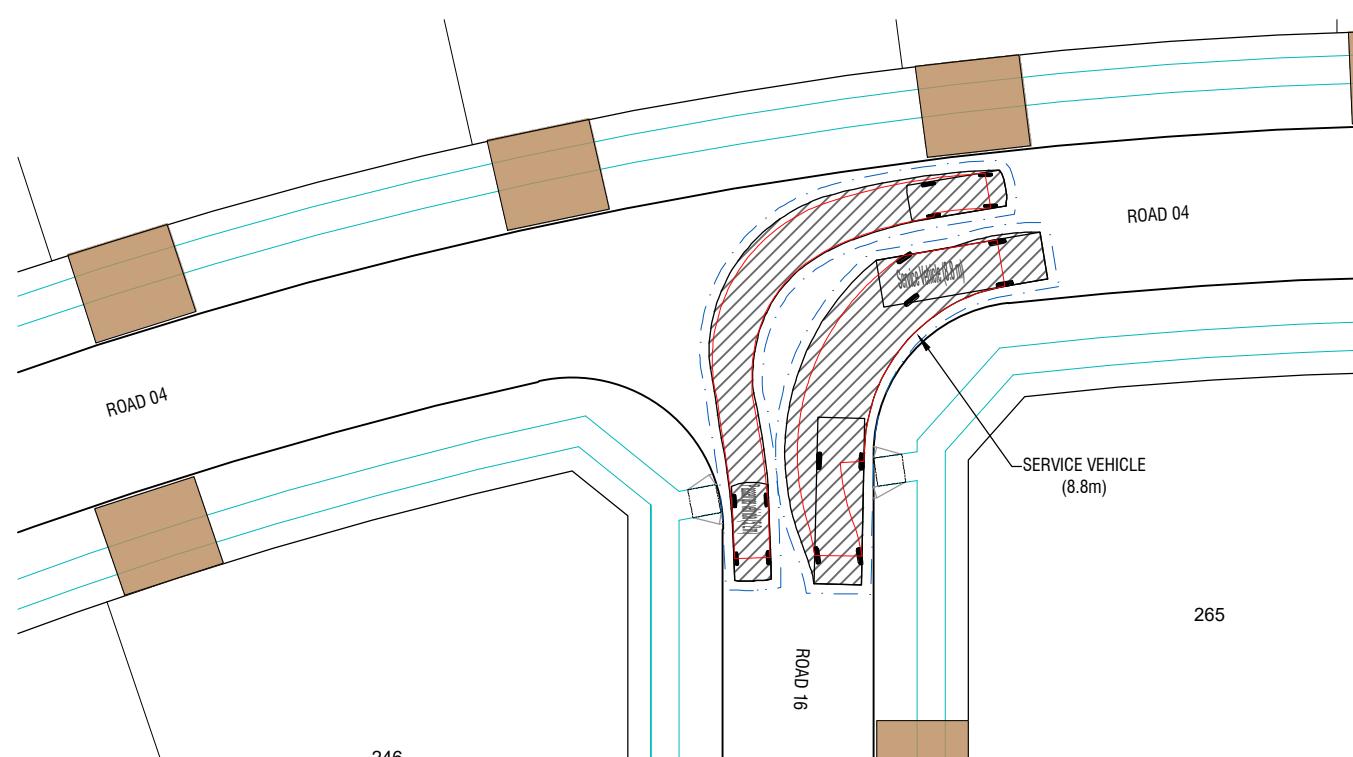
PATH 4
SCALE 1 : 200



PATH 5
SCALE 1 : 200



PATH 6
SCALE 1 : 200



PATH 7
SCALE 1 : 200

NOTES

1. REFER 32344-001CD121 FOR VEHICLE PROFILE
2. REFER 32344-001CD120 FOR LEGEND

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1:200@A1
1:400@A3
0 2 4 6 8 10
0 2 4 6 8 10

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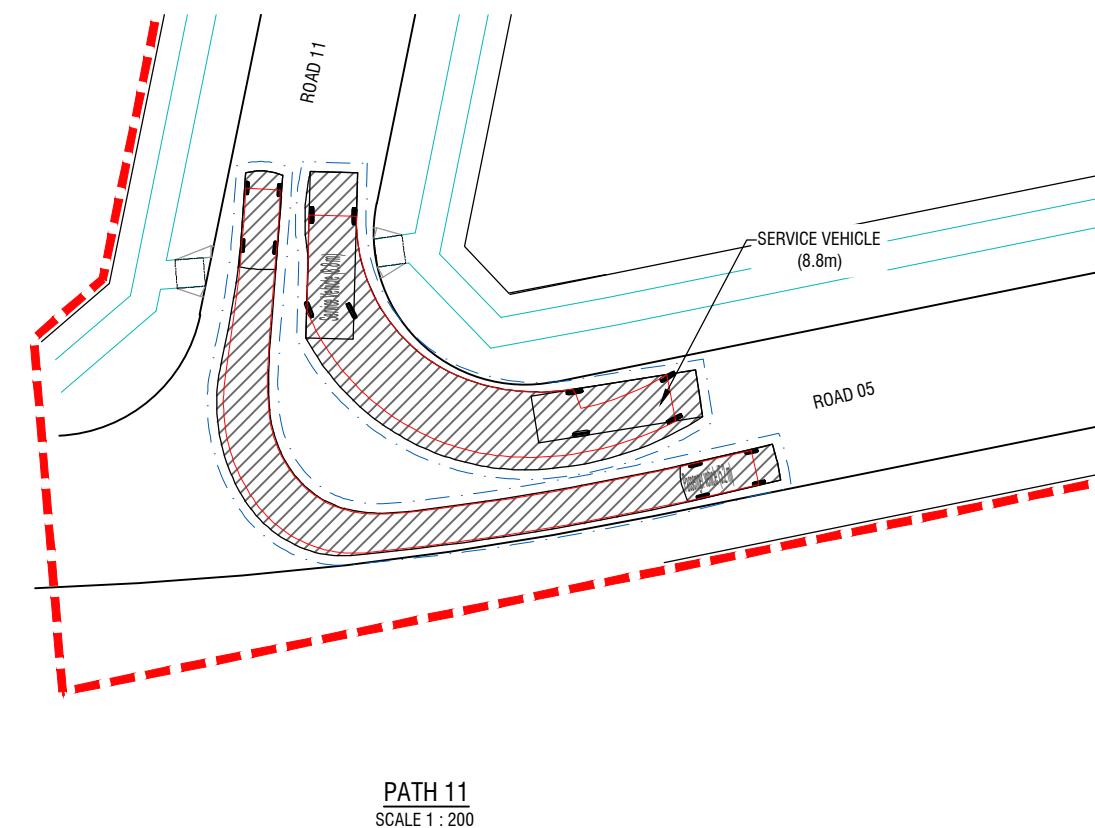
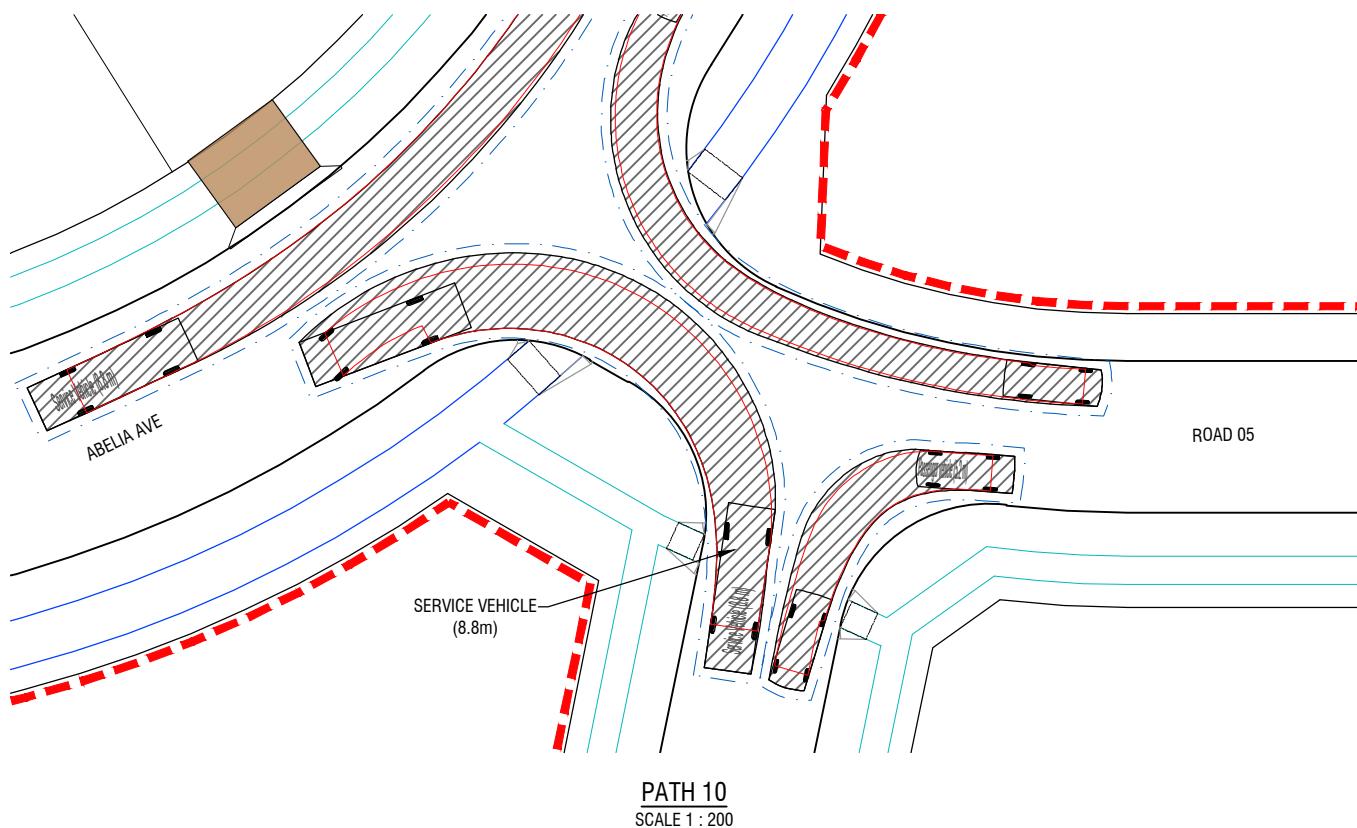
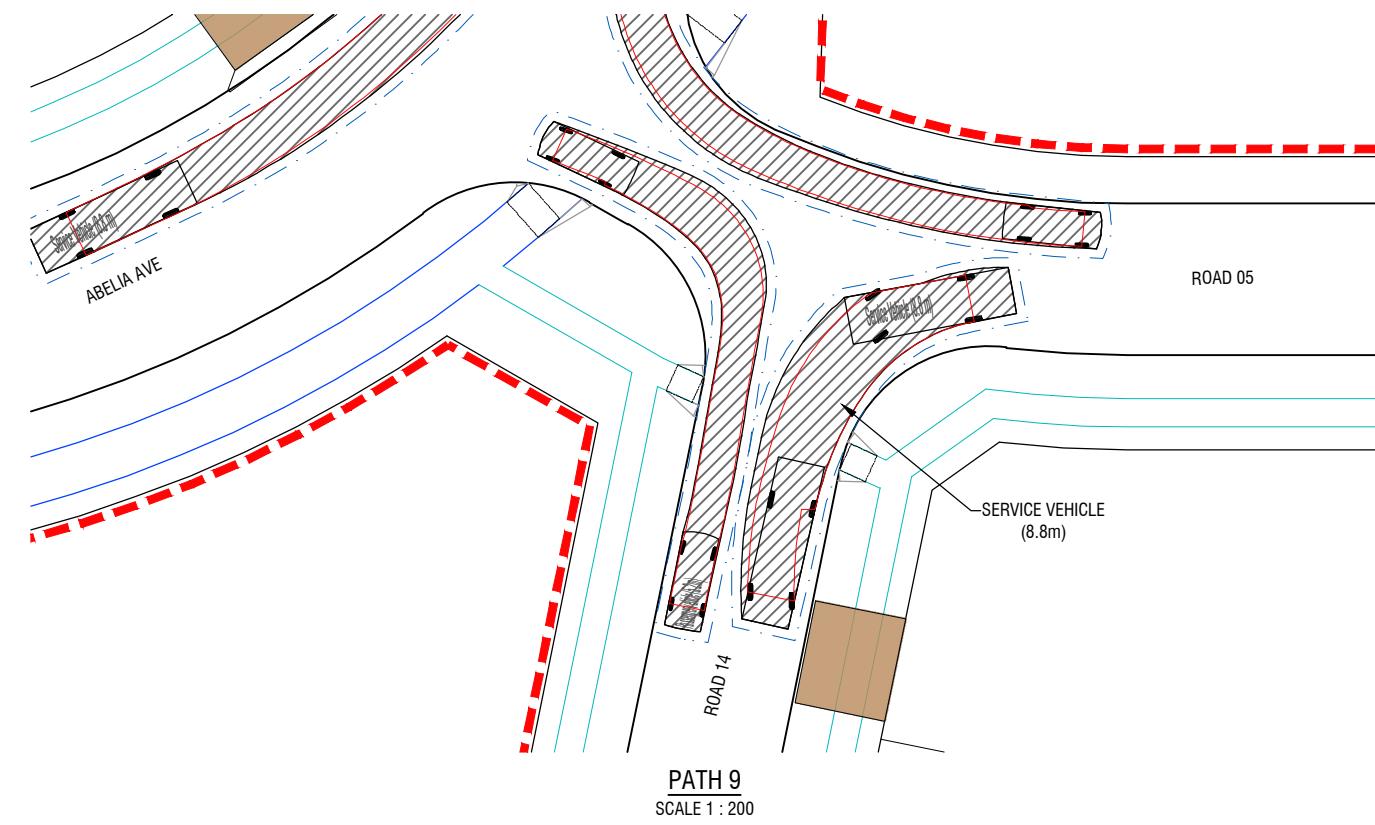
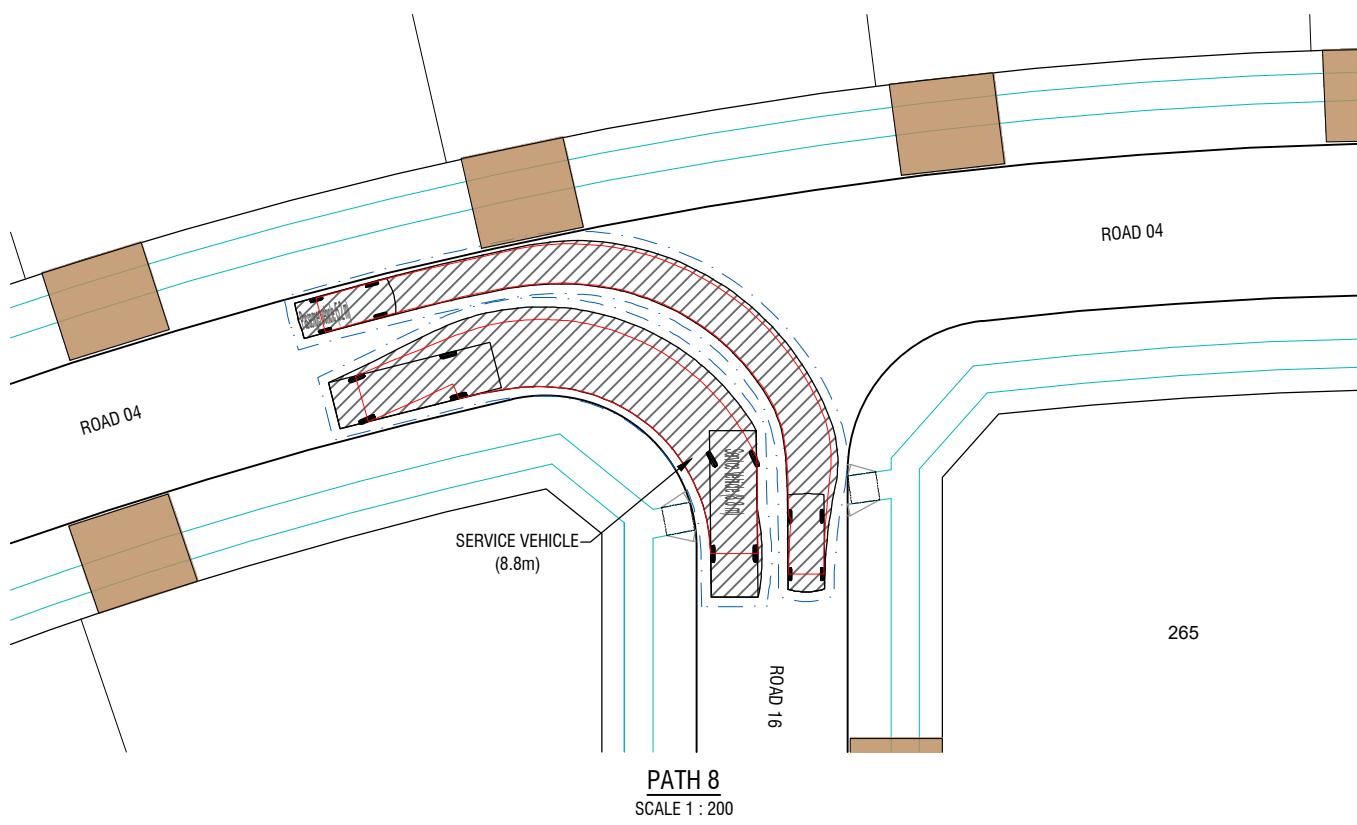
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Designed
J.Zhang
Authorised
C.J.Corcoran

Checked
C.Otto
Date
09 July 25

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NORTHERN CATCHMENT**
TURNING MOVEMENTS
SHEET 3
QPRC
DEVELOPMENT APPLICATION

Drg No
32344-001CD122 B
Rev



NOTES

1. REFER 32344-001CD121 FOR VEHICLE PROFILE
2. REFER 32344-001CD120 FOR LEGEND

B	ISSUED FOR APPROVAL	C.J.C 09-07-25

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1:400@A3 0 2 4 6 8 10

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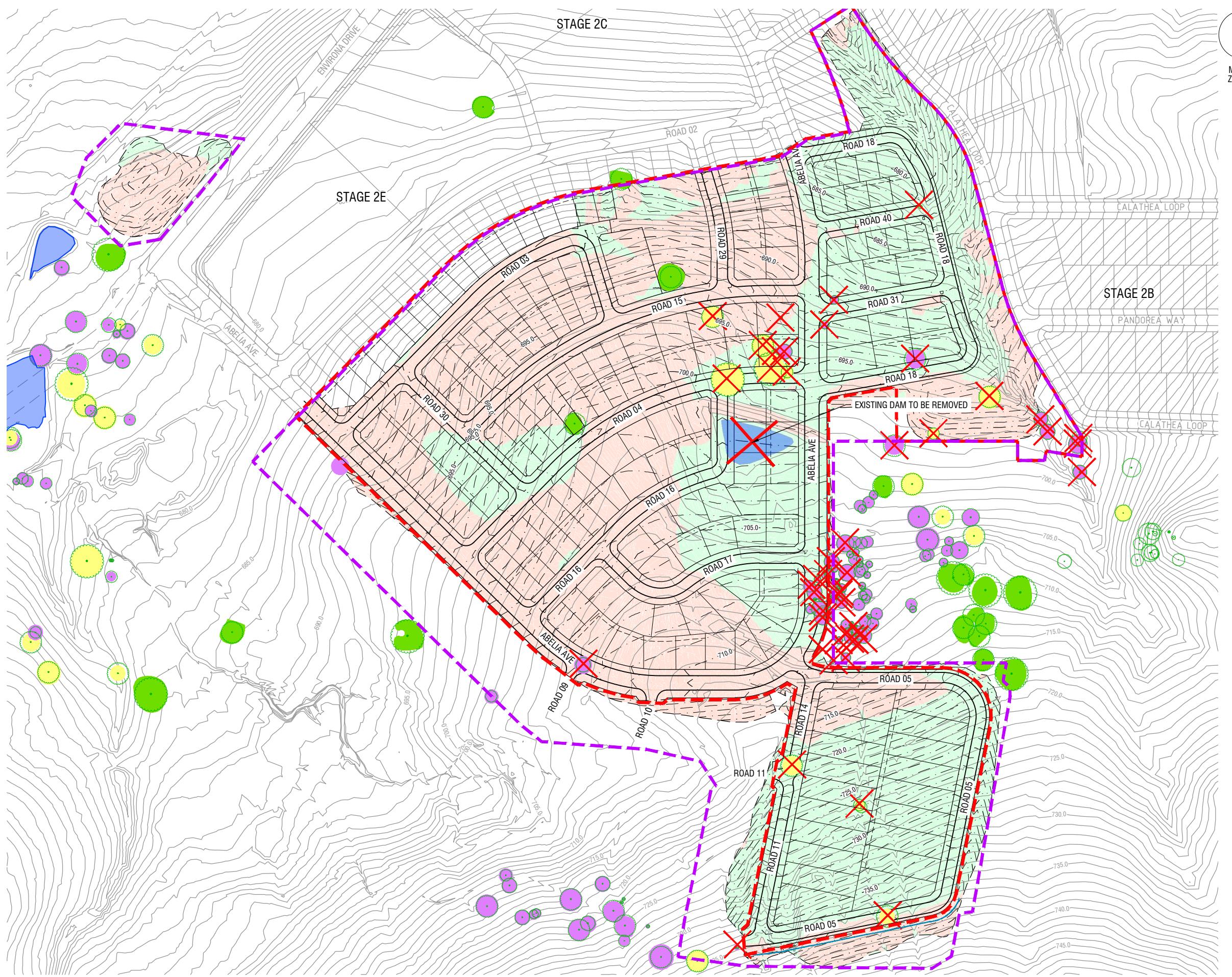
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Authorised
C.J.Corcoran

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C.Otto
Date
09 July 25

**SOUTHE JERRABOMBERRA ESTATE 2
NORTHERN CATCHMENT**
TURNING MOVEMENTS
SHEET 4
QPRC
DEVELOPMENT APPLICATION
Drg No
32344-001CD123 B



LEGEND

DA BOUNDARY

EXTENT OF WORKS

EXISTING SURFACE C

DESIGN S

11

EXISTING TREE - MEDIUM VALUE

FLASHING TUBE - A SUMMARY

RETAINING WALL - IM

EXISTING DAM

CUT

Ell 1 141 643 m³

BALANCE (IMR 0111) 18,775m

NOTES

1. GRADING IS INDICATIVE AND SUBJECT TO CONFIRMATION DURING DETAILED DESIGN.
 2. EARTHWORKS VOLUMES ARE TAKEN FROM EXISTING TO FINISHED SURFACE. EXCLUDES ALL STRIPPING, BOXING AND TRENCH SPOIL.
 3. REFER TO ENVIROLINKS TREE ASSESSMENT REPORT FOR INFORMATION ON EXISTING TREES.

file name 323444-001CD200.dwg layout name CD200 plotted by Jimi Zhang

B	ISSUED FOR APPROVAL	C.J.C	09-07
A	ISSUED FOR CLIENT REVIEW	C.J.C	30-06
Rev	Amendments	Approved	Date

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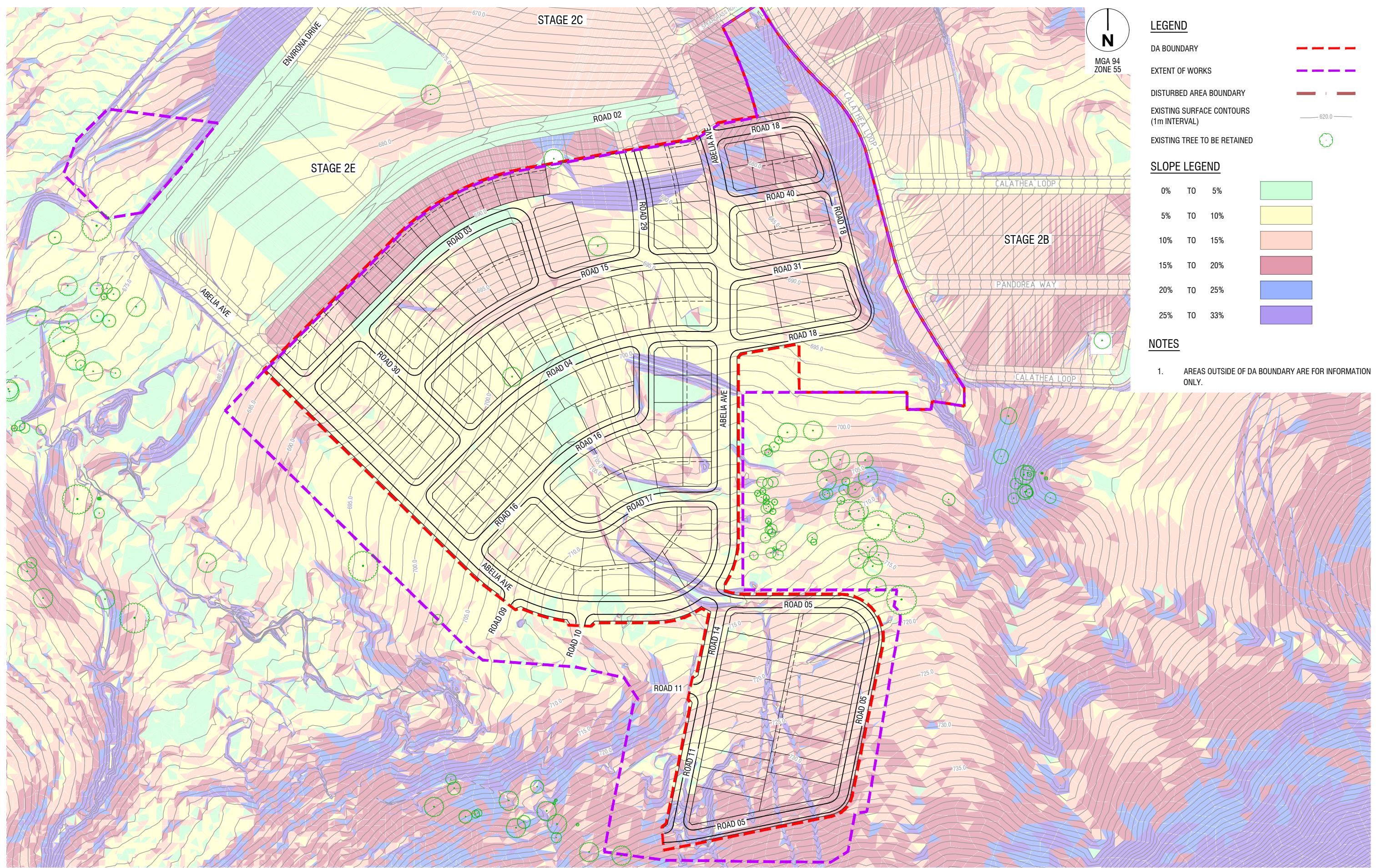
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Date
09 July 25

SOUTHE JERRABOMBERRA ESTATE 2 NORTHERN CATCHMENT

GRADING PLAN SHEET 1 PRC

APPLICATION FORM
Drg No **323444-001CD200 B** Rev



The name 32344-001CD240.dwg layout name CD240 plotted by Jimi Zhang
The location G:\232344\401CAD\plot date 09/07/2025 11:29 AM

B	ISSUED FOR APPROVAL	C.J.C 09-07-25
A	ISSUED FOR CLIENT REVIEW	C.J.C 30-06-25

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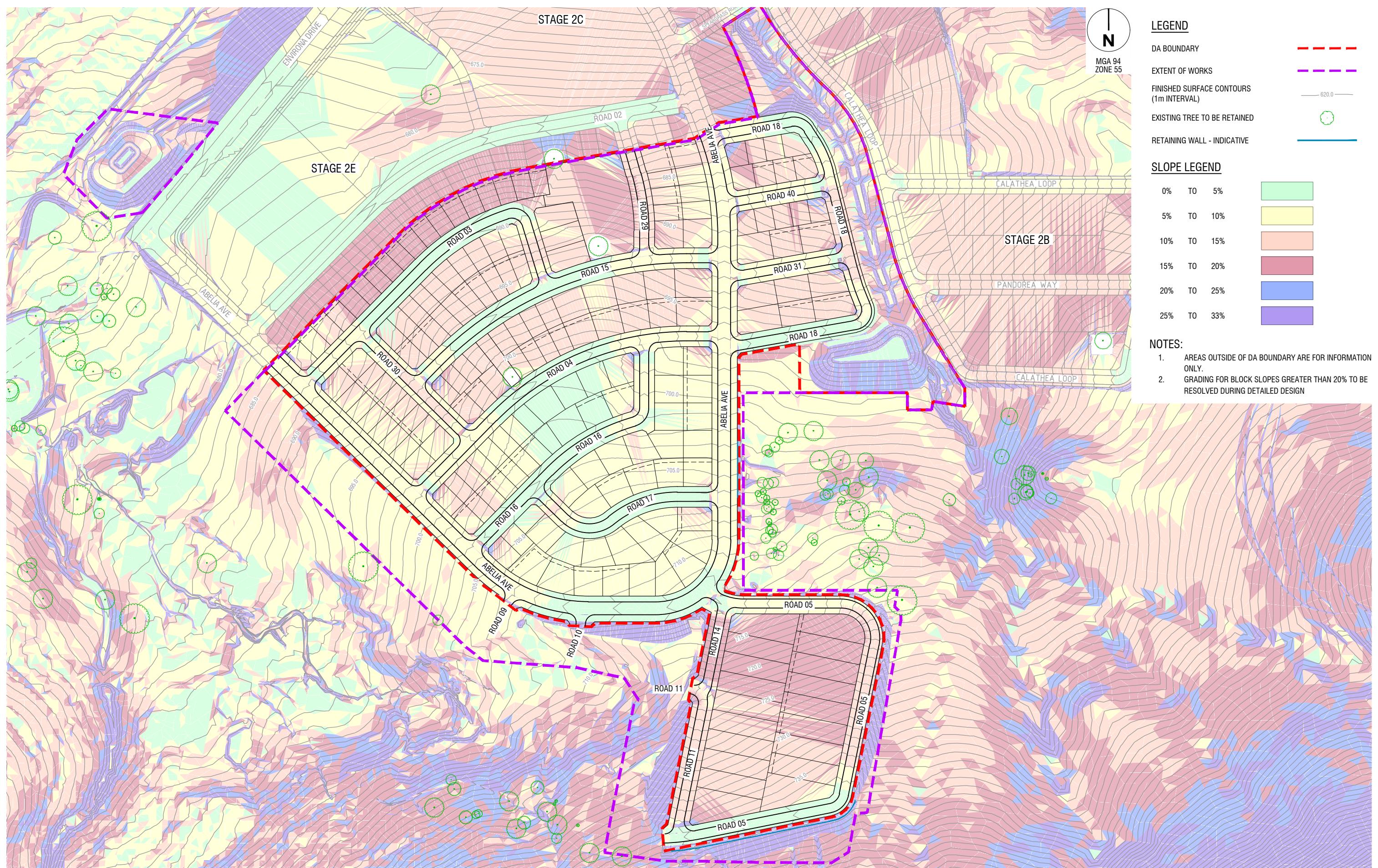
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Authorised
C.J.Corcoran

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Date
09 July 25

**SOUTHERN JERRABOMBERRA ESTATE 2
NORTHERN CATCHMENT**
EXISTING SLOPE ANALYSIS PLAN
SHEET 1
QPRC
DEVELOPMENT APPLICATION

Drg No
32344-001CD240 B
Rev



file name 32344-001CD250.dwg layout name CD250 plotted by Jimi Zhang
file location G:\232344\001\CD250\DWG\Jimi\CAD\plot date 09/07/2025 11:29 AM

B	ISSUED FOR APPROVAL	C.J.C 09-07-25
A	ISSUED FOR CLIENT REVIEW	C.J.C 30-06-25

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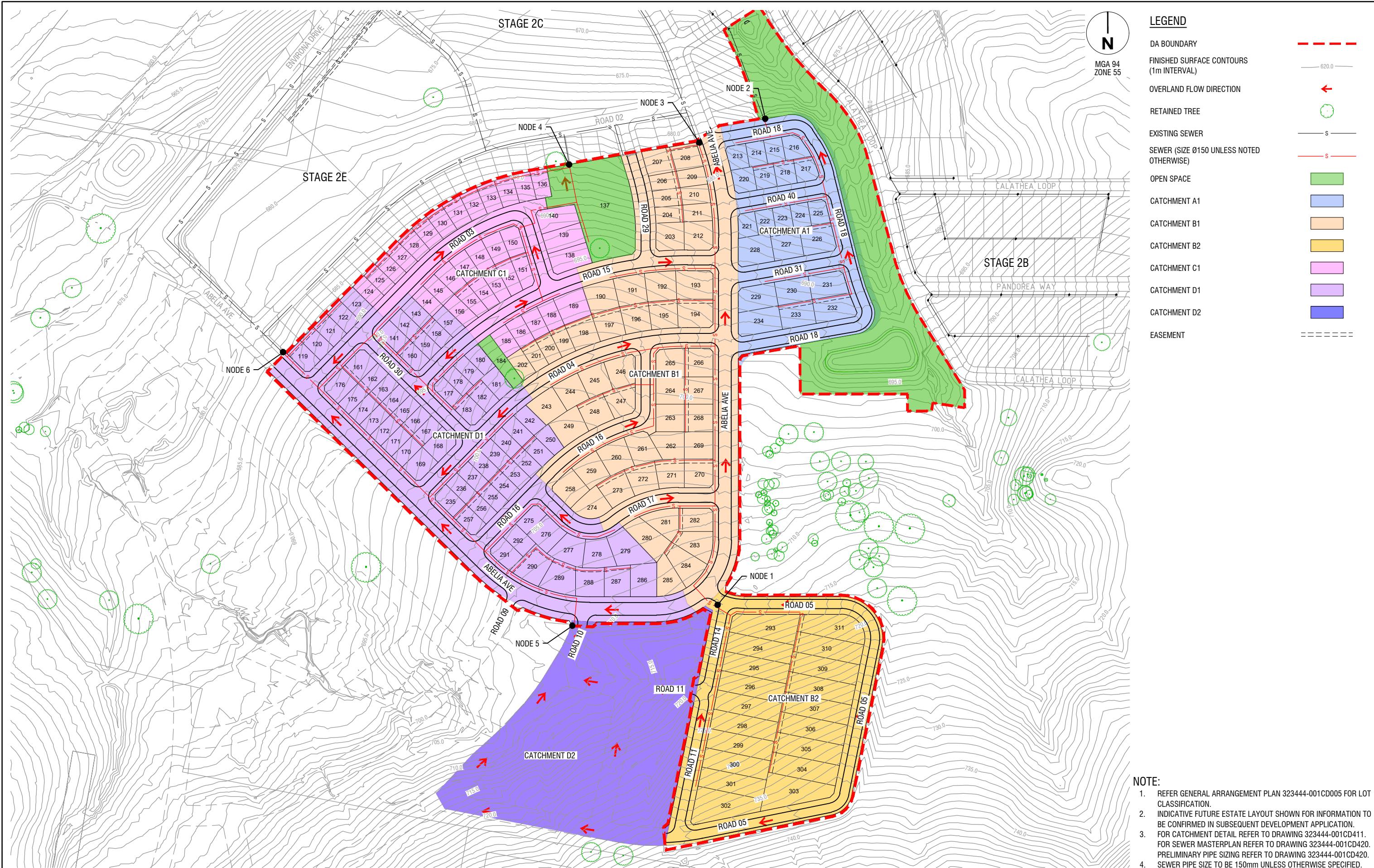
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Date
09 July 25

**SOUTHERN JERRABOMBERRA ESTATE 2
NORTHERN CATCHMENT
PROPOSED SLOPE ANALYSIS PLAN
SHEET 1
QPRC
DEVELOPMENT APPLICATION**

Drg No
32344-001CD250 B
Rev



The name 323444-001CD410.dwg layout name CD410 plotted by Jim Zhang
the location G:\2025\323444-001CD410\323444-001CD410.dwg

B	ISSUED FOR APPROVAL	C.J.C 09-07-25
A	ISSUED FOR CLIENT REVIEW	C.J.C 30-06-25

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SOUTHE JERRABOMBERRA ESTATE 2 NORTHERN CATCHMENT
SEWER CATCHMENT PLAN
SHEET 1
QPRC DEVELOPMENT APPLICATION
Drg No
323444-001CD410 B

SEWER CALCULATION

CATCHMENT	LOTS (EP PER UNIT =3.5)	GROSS RESIDENTIAL AREA (ha)	PARKS/GARDEN AREA (EP PER ha = 20)	RESIDENTIAL EP	NON RESIDENTIAL EP	PDWF (L/s)	GWI (L/s)	RDI (L/s)	DESIGN FLOW (PWWF) (L/s)
CATCHMENT A1	22	2.064	0.000	77.00	0.00	1.00	0.01	1.42	2.42
CATCHMENT B1	53	5.173	0.000	185.50	0.00	1.89	0.01	3.12	5.03
CATCHMENT B2	19	3.124	0.000	66.50	0.00	0.77	0.01	1.54	2.33
CATCHMENT C1	34	2.000	0.000	119.00	0.00	1.56	0.01	1.74	3.31
CATCHMENT D1	63	4.563	0.000	220.50	0.00	2.32	0.01	3.25	5.58
CATCHMENT D2	31	3.025	0.000	108.50	0.00	1.27	0.01	1.95	3.23

NODE	CATCHMENT	MIN. GRADE	MIN. SIZE	PDWF (L/s)	GWI (L/s)	RDI (L/s)	PWWF (L/s)	PIPE CAPACITY (L/s)	PWWF VELOCITY (m/s)	AIRSPACE	SHEAR STRESS
NODE 1	B2	1.50%	0.150	0.77	0.01	1.54	2.33	19.07	0.74	83%	1.95
NODE 2	A1	1.50%	0.150	1.00	0.01	1.42	2.42	19.07	0.74	83%	2.07
NODE 3	B1, NODE 1	1.50%	0.150	2.66	0.02	4.67	7.35	19.07	1.06	53%	3.51
NODE 4	C1	1.00%	0.150	1.56	0.01	1.74	3.31	15.57	0.70	74%	1.87
NODE 5	D2	1.00%	0.150	2.32	0.01	3.25	5.58	15.57	0.70	75%	1.71
NODE 6	D1, NODE 5	1.00%	0.150	3.59	0.02	5.19	8.81	15.57	0.88	50%	2.49

NOTES

1. ADWF OF 180L/d/EP HAS BEEN ADOPTED
2. CALCULATIONS IN ACCORDANCE WITH WSA02-2014-3.2 APPENDIX B
3. LEAKPROOF LIDS ASSUMED IN ACCORDANCE WITH QPRC D12. NO ROAD CATCHMENT INFILTRATION HAS BEEN INCLUDED
4. FCONTAINMENT IS BEING ADOPTED AS 1.5, IN ACCORDANCE WITH COUNCIL'S 1 IN 10 YEARS DESIGN STORM REOCCURRENCE INTERVAL
5. THE LEAKAGE SEVERITY CONSTANT C HAD BEEN ADOPTED AS 1.0
6. IN ACCORDANCE WITH THE SOUTH JERRABOMBERRA MASTERPLAN THE FOLLOWING COEFFICIENTS HAVE BEEN ASSUMED:
 - 6.1. $I_{1:10}$ HAS BEEN ASSUMED AS 23mm
 - 6.2. $Portion_{wet}$ HAS BEEN AS ADOPTED AS 0.1
 - 6.3. GWI HAS BEEN CALCULATED IN ACCORDANCE WITH WSA02-3.2 APPENDIX C
7. FUTURE LOTTING INDICATIVE ONLY

			Scale
B	ISSUED FOR APPROVAL	C.J.C	09-07-25
A	ISSUED FOR CLIENT REVIEW	C.J.C	30-06-25
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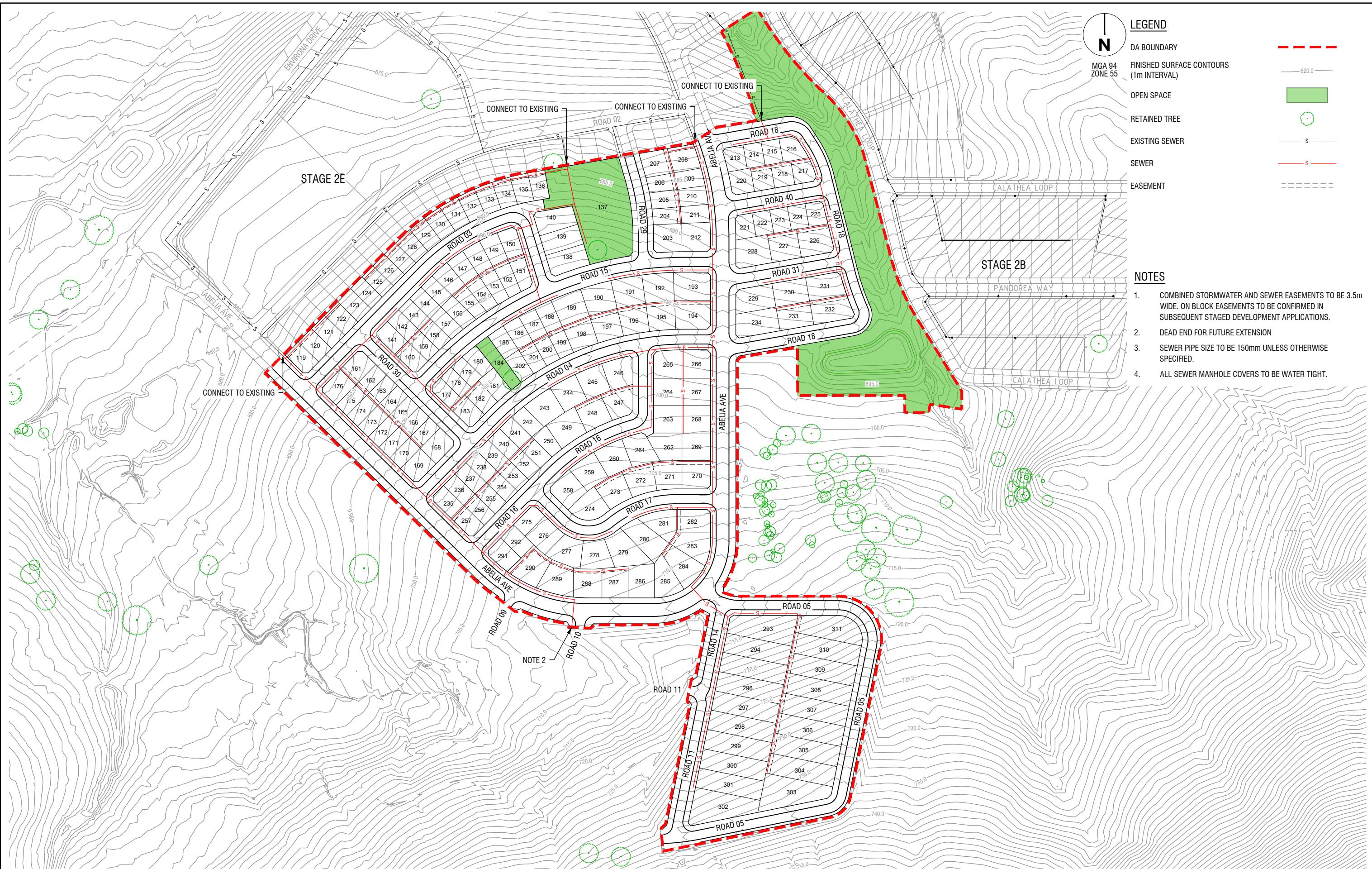
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Designed
J.Zhang
Authorised
C.J.Corcoran

Checked
C.Otto
Date
09 July 25

**SOUTHE JERRABOMBERRA ESTATE 2
NORTHERN CATCHMENT
SEWER CATCHMENT PLAN
SHEET 2
QPRC
DEVELOPMENT APPLICATION**

Drg No
32344-001CD411 B
Rev



The name 323444-001CD420.dwg, layout name CD420, plotted by Rachel Murdoch, location Jerrabomberra, Data ID 323444, Date 7/09/2025, 4:07 PM

C	OPRC RFI ADDRESSED - NOTE ADDED	RM	17-09-25
B	ISSUED FOR APPROVAL	C.J.C	09-07-25
A	ISSUED FOR CLIENT REVIEW	C.J.C	30-06-25
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1:3000@A3 0 15 30 45 60 75

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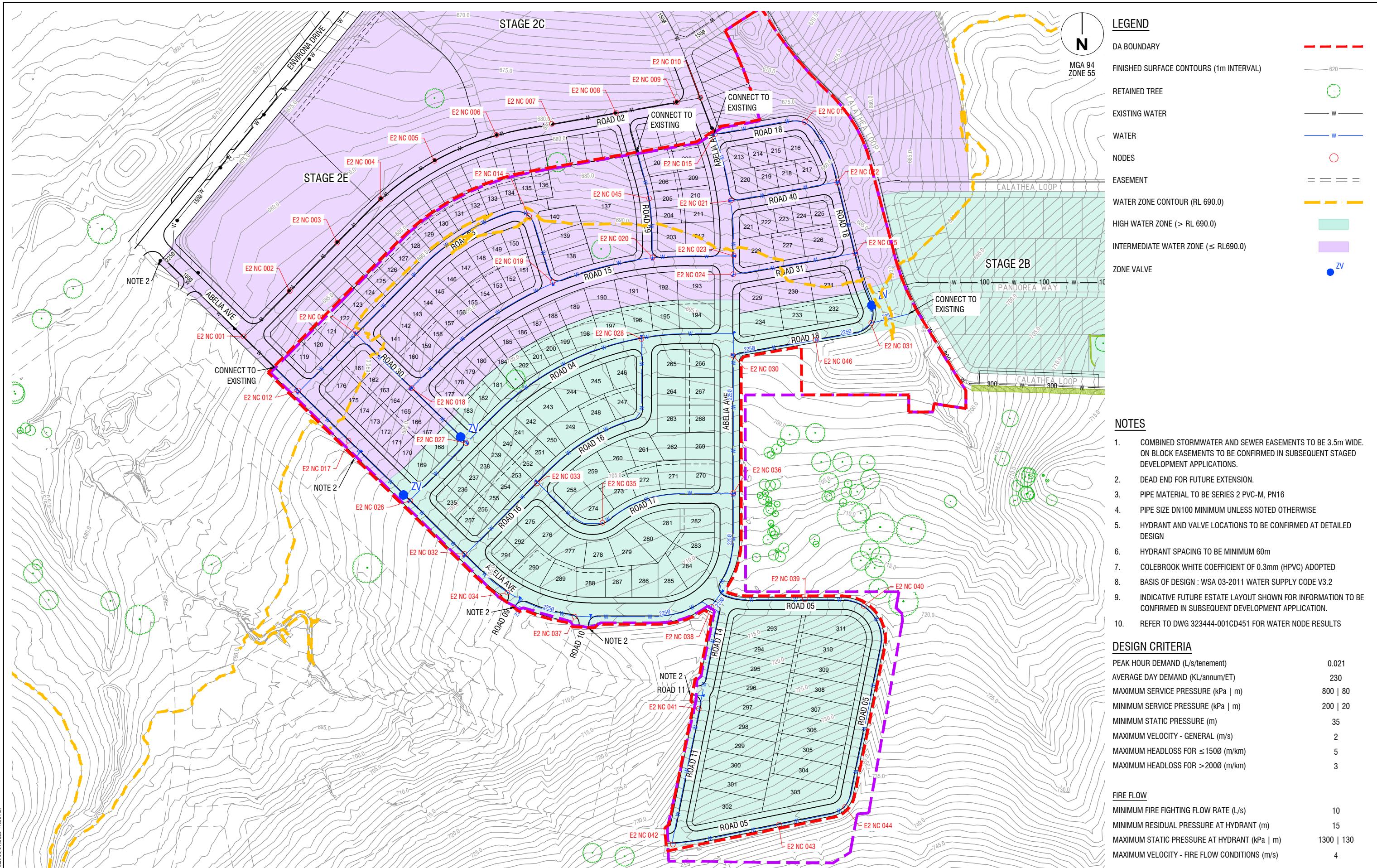
The Village Building Co Est.1988

Designed
J.Zhang
Authorised
C.J.Corcoran
Checked
C.Otto
Date
09 July 25

SOUTHE JERRABOMBERRA ESTATE 2 NORTHERN CATCHMENT SEWER SERVICING STRATEGY PLAN SHEET 1

OPRC
DEVELOPMENT APPLICATION

Drg No
323444-001CD420 C
Rev



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B	ISSUED FOR APPROVAL	C.J.C	09-07-25	
A	ISSUED FOR CLIENT REVIEW	C.J.C	30-06-25	
Rev	Amendments	Approved	Date	

WATER NODE RESULT								
NODE ID	DEMAND (L/s)	PRESSURE (m)	AVAILABLE FIRE FLOW (L/s)	MINIMUM FIRE FLOW (L/s)	RESIDUAL PRESSURE AT MINIMUM FIRE FLOW (m)	ELEVATION (m)	DIA (mm)	ZONE
E2 NC 001	0.000	48.830	83.730	10	52.520	681.200	100	HIGH
E2 NC 002	0.084	47.800	61.420	10	50.550	682.140	100	HIGH
E2 NC 003	0.084	47.880	50.860	10	43.140	681.940	100	HIGH
E2 NC 004	0.084	52.740	50.380	10	47.690	677.000	100	HIGH
E2 NC 005	0.084	50.050	46.500	10	44.640	679.600	100	HIGH
E2 NC 006	0.063	53.560	48.980	10	48.040	676.000	100	HIGH
E2 NC 007	0.063	53.080	50.590	10	47.790	676.400	100	HIGH
E2 NC 008	0.063	52.610	56.620	10	47.300	676.800	100	HIGH
E2 NC 009	0.042	52.710	58.370	10	47.240	676.600	100	HIGH
E2 NC 010	0.105	61.140	67.460	10	55.730	668.140	100	HIGH
E2 NC 011	0.000	47.390	72.590	10	43.890	682.620	100	HIGH
E2 NC 012	0.084	35.760	60.150	10	31.520	694.230	100	HIGH
E2 NC 013	0.273	41.720	48.320	10	36.800	688.000	100	HIGH
E2 NC 014	0.315	41.310	38.300	10	35.960	688.290	100	HIGH
E2 NC 015	0.084	58.030	57.510	10	52.390	671.280	100	HIGH
E2 NC 016	0.042	54.800	45.270	10	48.680	674.520	100	HIGH
E2 NC 017	0.063	36.950	57.970	10	33.040	693.130	100	HIGH
E2 NC 018	0.336	41.070	39.350	10	35.840	688.590	100	HIGH
E2 NC 019	0.294	40.780	43.220	10	35.750	688.790	100	HIGH
E2 NC 020	0.063	43.590	47.160	10	38.260	685.820	100	HIGH
E2 NC 021	0.147	44.310	41.720	10	38.730	685.010	100	HIGH
E2 NC 022	0.105	52.110	45.370	10	46.150	677.220	100	HIGH
E2 NC 023	0.021	44.890	43.400	10	39.370	684.450	100	HIGH
E2 NC 024	0.021	37.970	34.650	10	32.190	691.370	100	HIGH
E2 NC 025	0.084	40.060	33.290	10	33.960	689.270	100	HIGH
E2 NC 026	0.000	78.180	67.890	10	75.760	695.820	100	INTERMEDIATE
E2 NC 027	0.399	74.030	61.750	10	71.350	700.000	100	INTERMEDIATE
E2 NC 028	0.231	78.560	81.270	10	76.640	695.590	100	INTERMEDIATE
E2 NC 030	0.063	79.160	105.680	10	77.940	695.170	225	INTERMEDIATE
E2 NC 031	0.000	83.570	113.600	10	82.570	691.000	225	INTERMEDIATE
E2 NC 032	0.105	69.760	78.800	10	67.890	704.200	100	INTERMEDIATE
E2 NC 033	0.273	70.600	75.300	10	68.630	703.460	100	INTERMEDIATE
E2 NC 034	0.042	67.530	88.670	10	65.830	706.310	225	INTERMEDIATE
E2 NC 035	0.147	70.690	69.580	10	68.530	703.400	100	INTERMEDIATE
E2 NC 036	0.126	70.270	95.370	10	68.840	703.860	225	INTERMEDIATE
E2 NC 037	0.063	65.180	87.840	10	63.540	708.720	225	INTERMEDIATE
E2 NC 038	0.063	61.410	86.520	10	59.870	712.600	225	INTERMEDIATE
E2 NC 039	0.000	59.800	57.160	10	57.240	714.190	100	INTERMEDIATE
E2 NC 040	0.084	53.570	47.040	10	50.650	720.400	100	INTERMEDIATE
E2 NC 041	0.210	52.630	64.020	10	50.500	721.300	100	INTERMEDIATE
E2 NC 042	0.105	42.590	50.490	10	40.260	731.320	100	INTERMEDIATE
E2 NC 043	0.000	37.530	36.270	10	34.320	736.400	100	INTERMEDIATE
E2 NC 044	0.105	38.030	34.120	10	34.570	735.910	100	INTERMEDIATE
E2 NC 046	0.063	81.440	109.930	10	80.350	693.020	225	INTERMEDIATE

NOTES

- REFER TO DWG 323444-001CD450 FOR POTABLE WATER MASTERPLAN

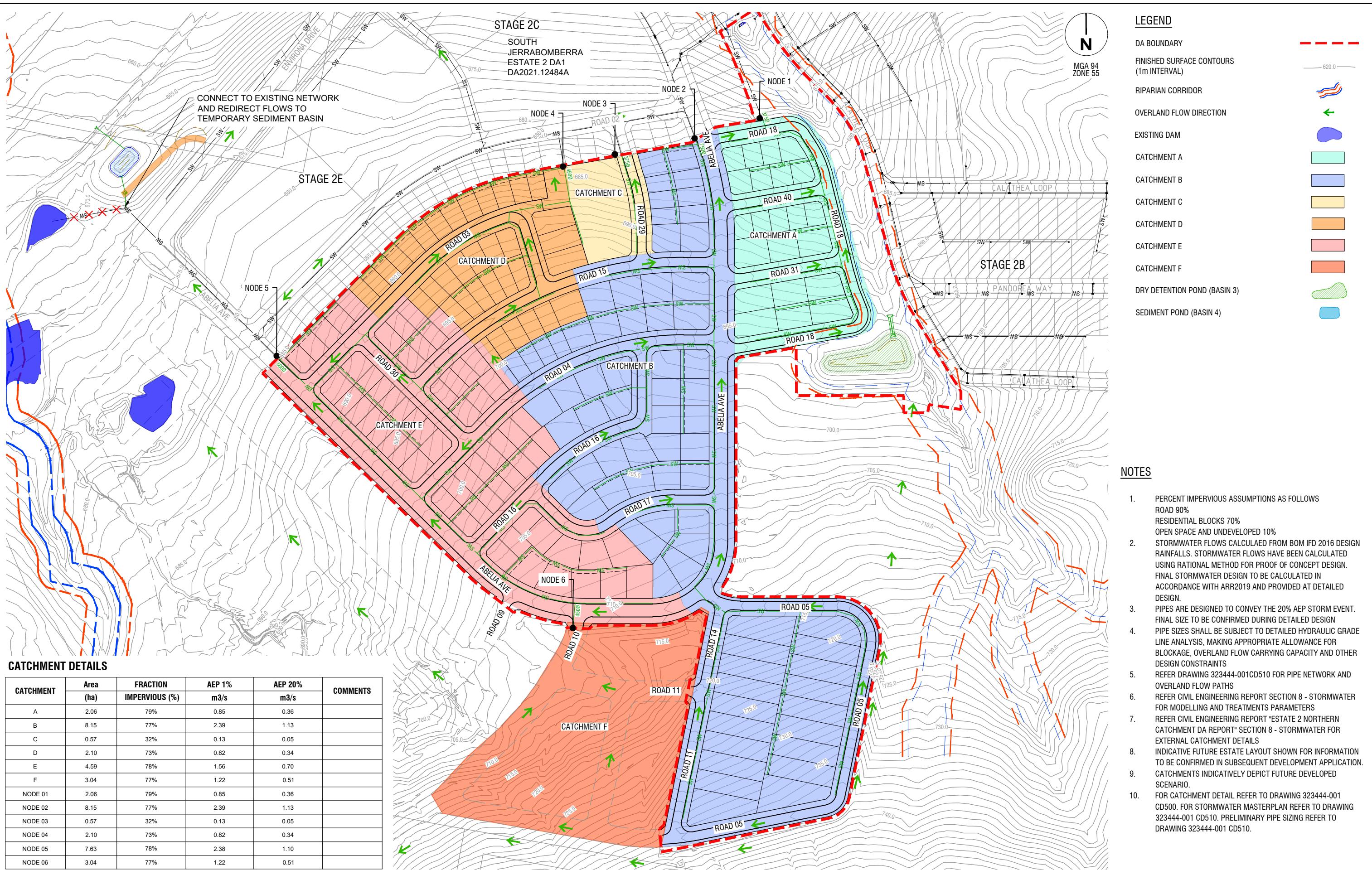
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A	ISSUED FOR CLIENT REVIEW	C.J.C	30-06-25
Rev	Amendments	Approved	Date

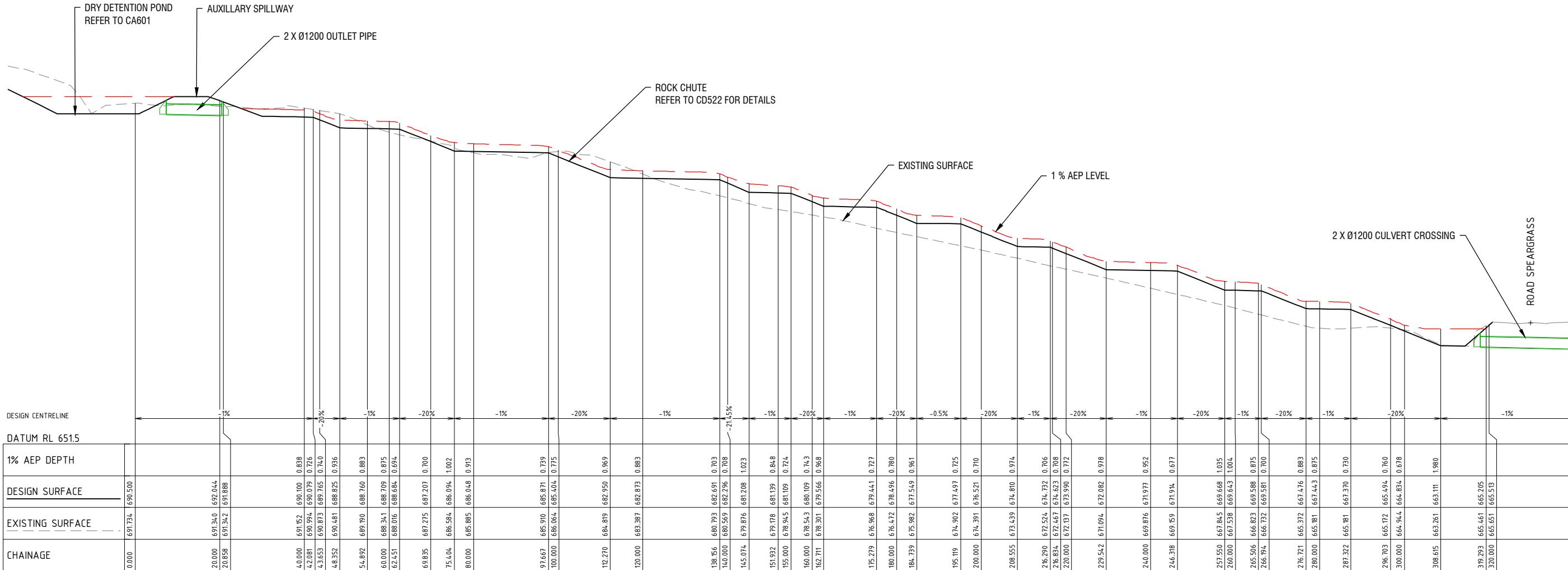
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Registration Number
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The Village Building Co Est.1988
Designed J.Zhang
Authorised C.J.Corcoran
Checked C.Otto
Date 09 July 25

SOUTHE JERRABOMBERRA ESTATE 2 NORTHERN CATCHMENT PORTABLE WATER MASTER PLAN SHEET 2 QPRC DEVELOPMENT APPLICATION
Dwg No 323444-001CD451 Rev B





SWALE - LONGITUDINAL SECTION

B	ISSUED FOR APPROVAL	C.J.C	09-07-25

A	ISSUED FOR CLIENT REVIEW	C.J.C

Rev	Amendments	Approved	Date
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Scale
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H 1 : 500 @ A1 0 5 10 15 20 25
SCALE
V 1 : 500 @ A3 0 2.5 5 7.5 10 12.5
V 1 : 250 @ A1

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Registration Number

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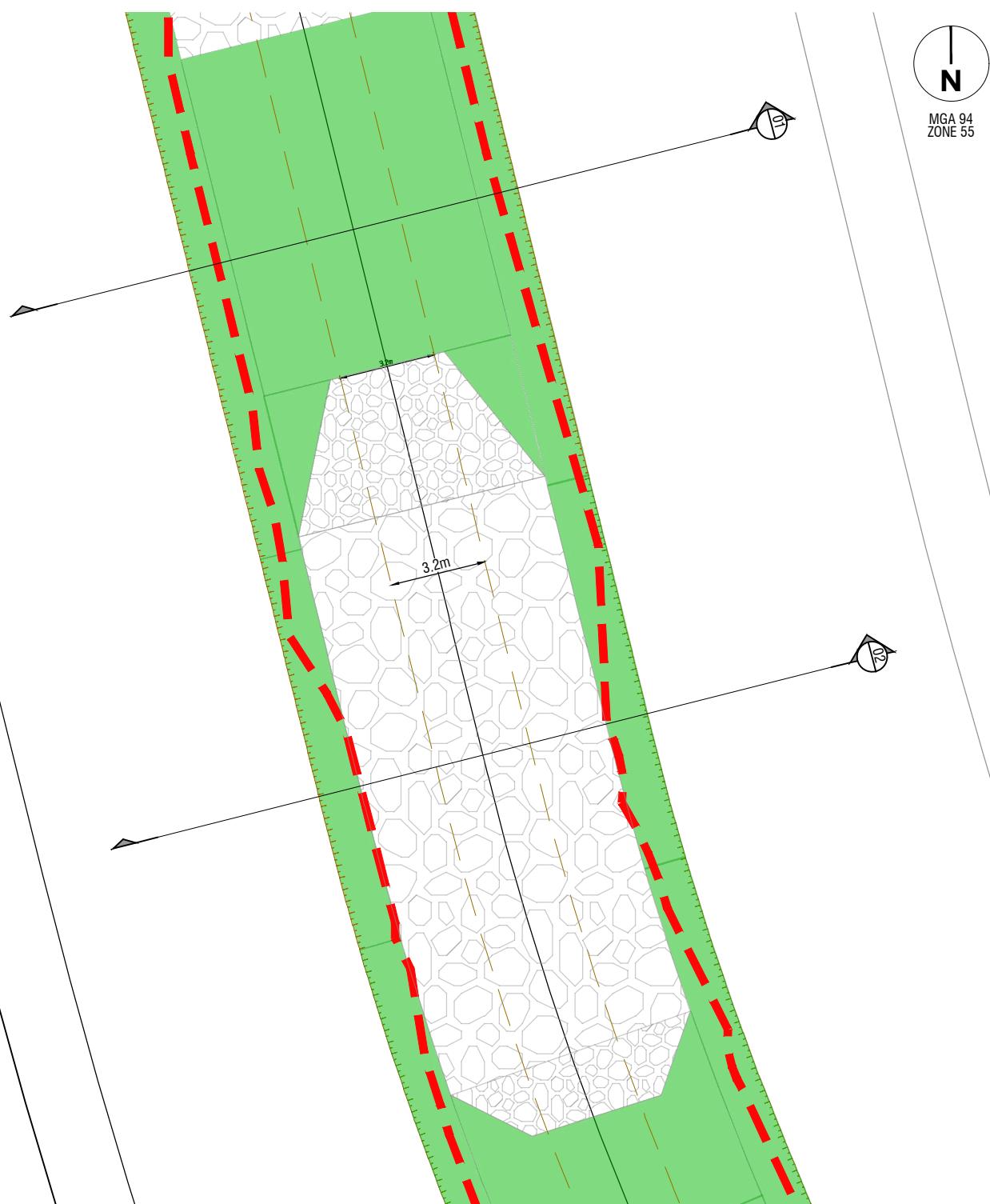
Designed
J.Zhang
Authorised
C.J.Corcoran

Checked
C.Otto
Date
09 July 25

**SOUTHE JERRABOMBERRA ESTATE 2
NORTHERN CATCHMENT**

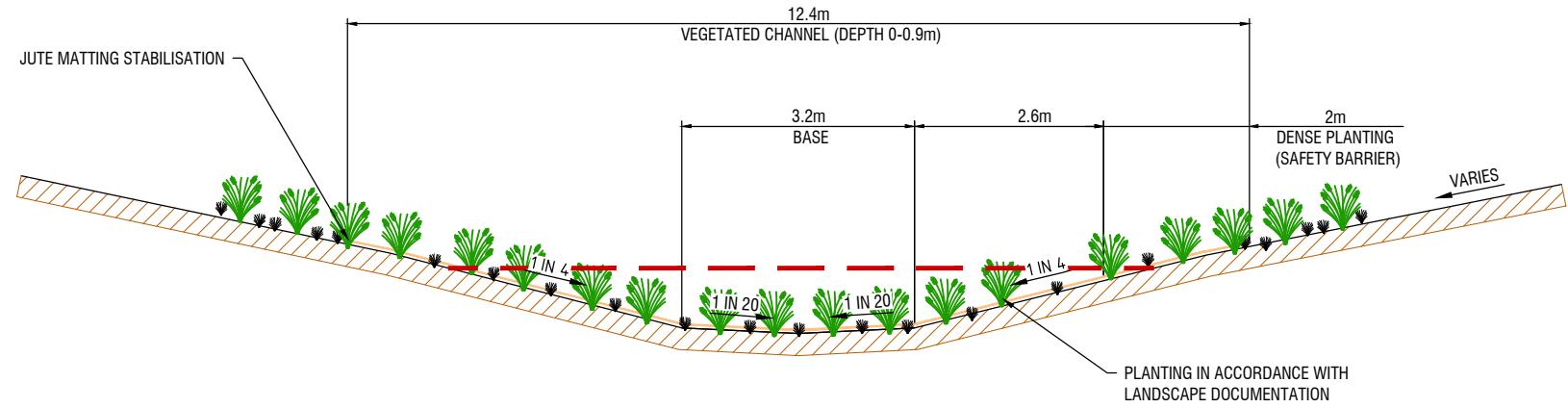
**DRAINAGE SERVICING STRATEGY PLAN
SHEET 2
QPRC
DEVELOPMENT APPLICATION**

Drg No
32344-001CD521 B
Rev



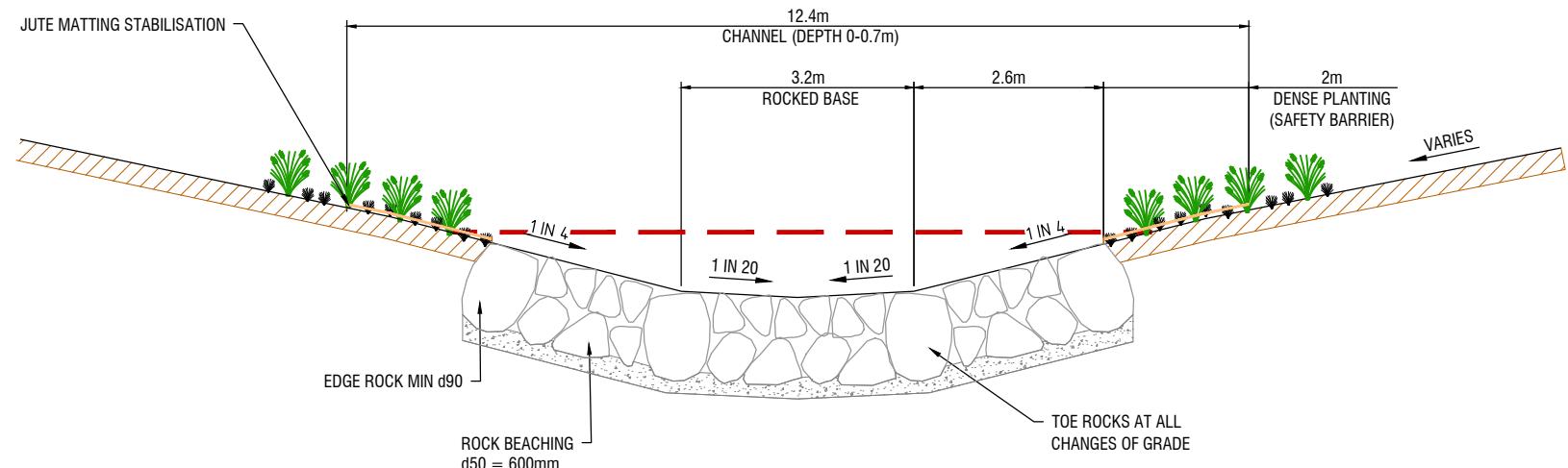
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SCALE 1:100



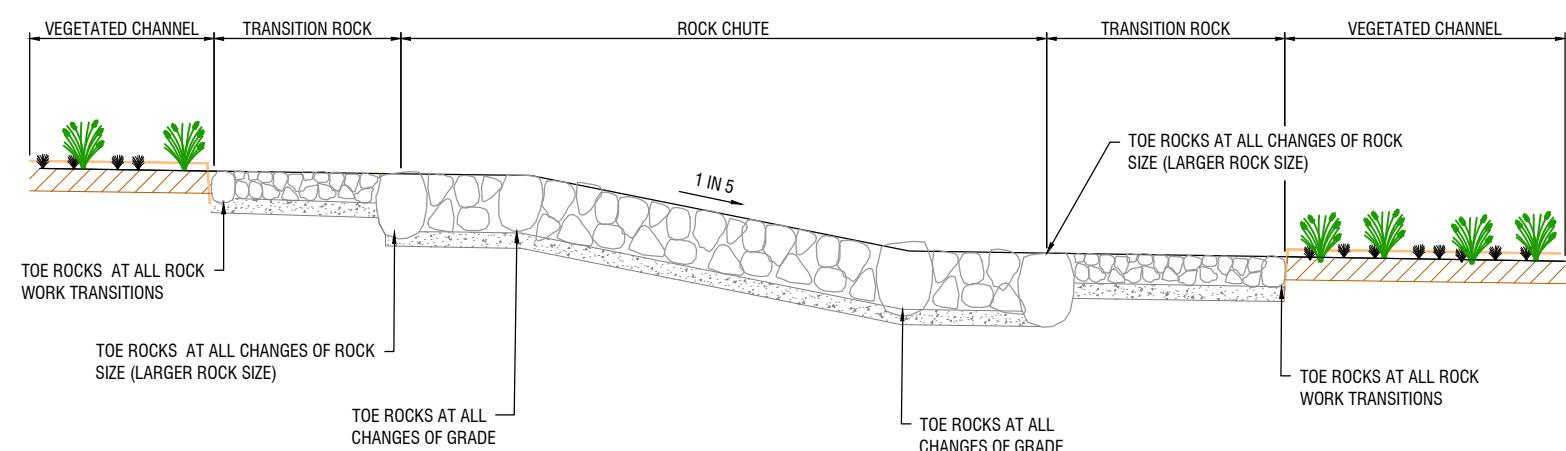
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SCALE 1:50



TYPICAL CROSS-SECTION 02 - ROCKED CHANNEL CHUTE

SCALE 1:50

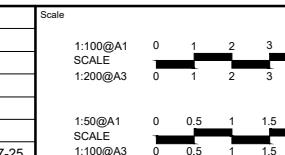


TYPICAL ROCK CHUTE LONGITUDINAL SECTION

SCALE 1:50

NOTE:
ROCKWORK EXTENT AND SIZE TO BE CONFIRMED
IN DETAILED DESIGN VIA HYDRAULIC MODEL

B	ISSUED FOR APPROVAL	C.J.C 09-07-25



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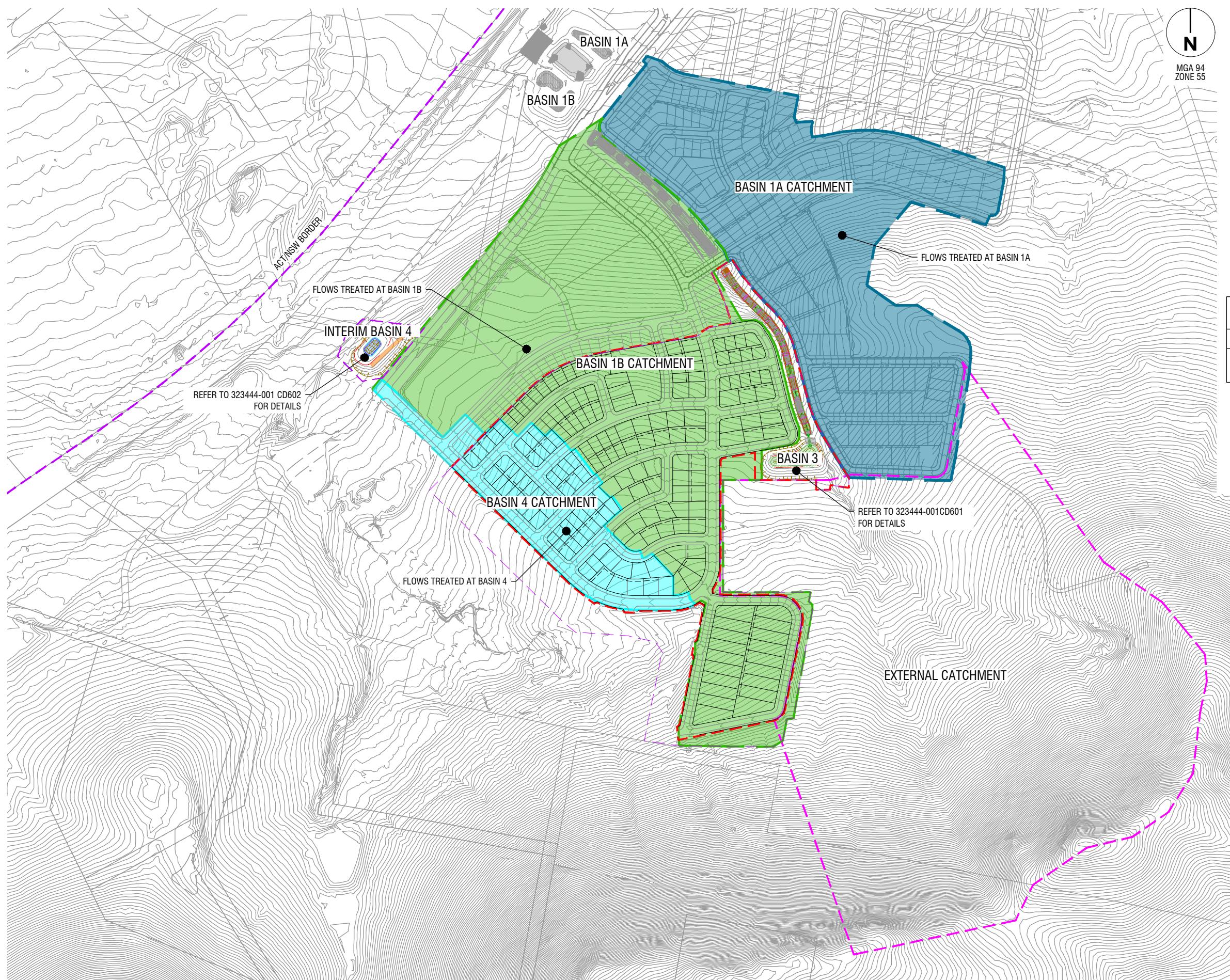
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Checked
C.Otto
Date
09 July 25

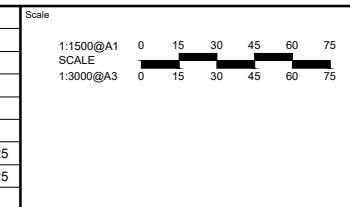
**SOUTHE JERRABOMBERRA ESTATE 2
NORTHERN CATCHMENT
DRAINAGE SERVICING STRATEGY PLAN
SHEET 3
QPRC
DEVELOPMENT APPLICATION**

Drg No
32344-001CD522 B
Rev



file name 32344-001CD600.dwg layout name CD600 plotted by Jim Zhang
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B	ISSUED FOR APPROVAL	C.J.C	09-07-25



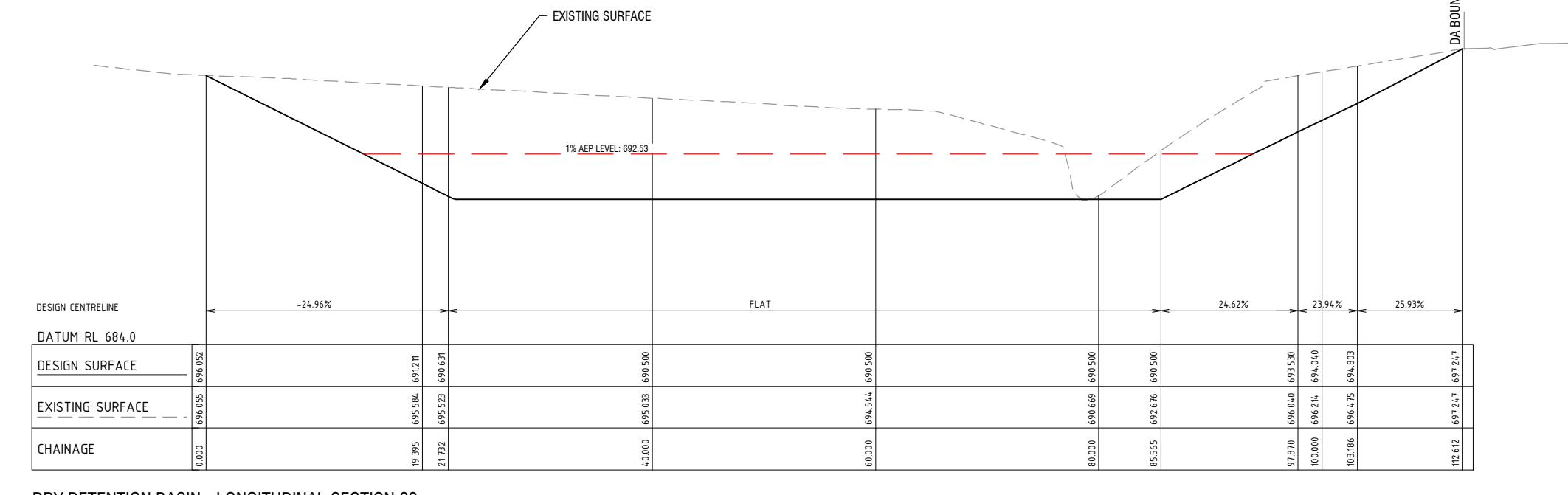
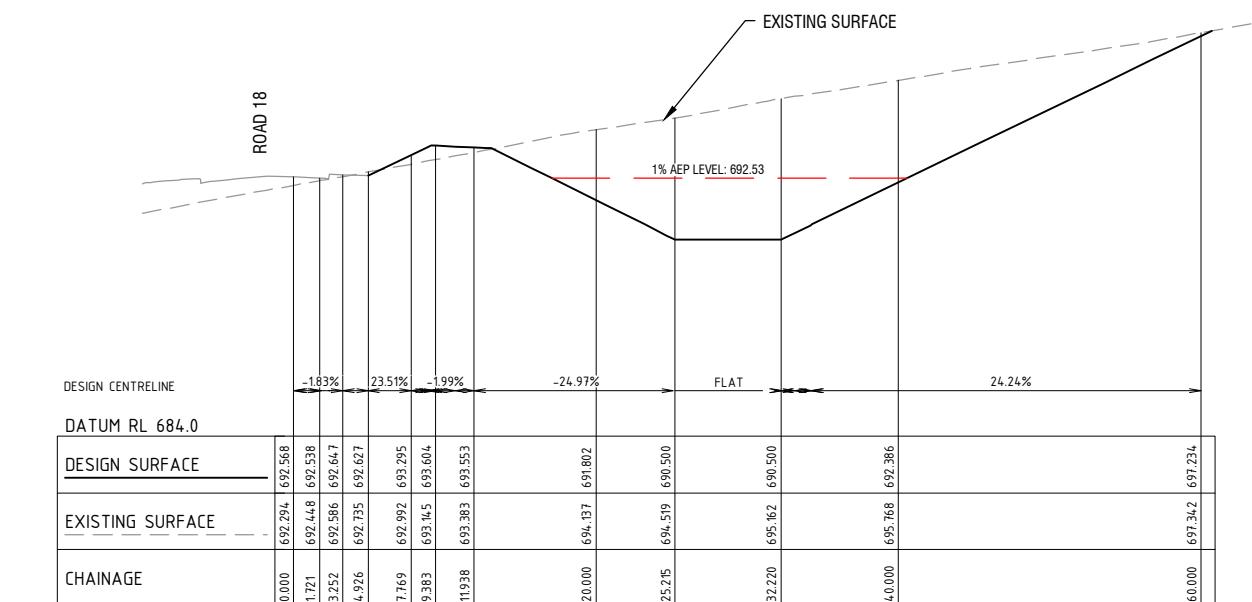
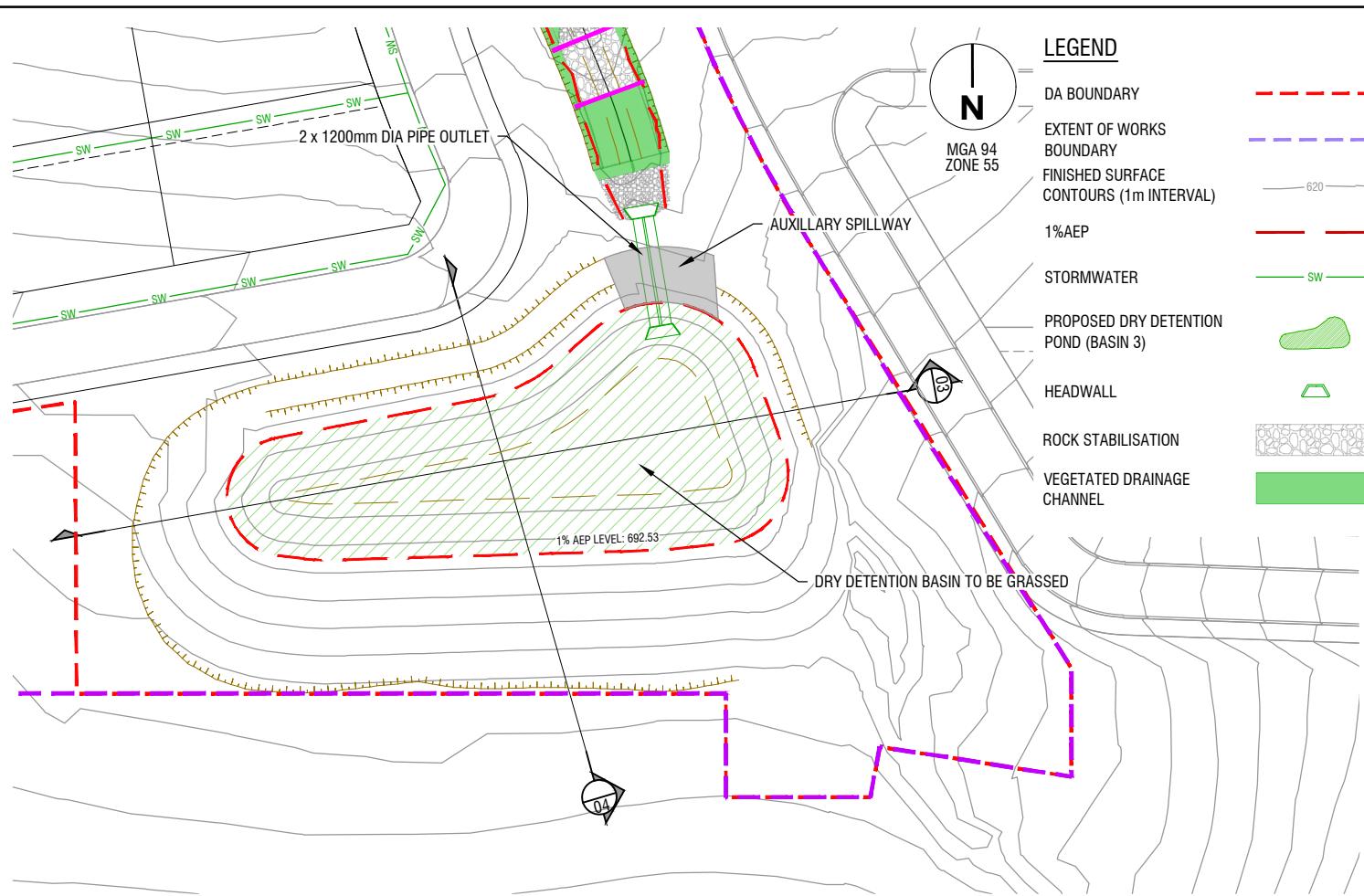
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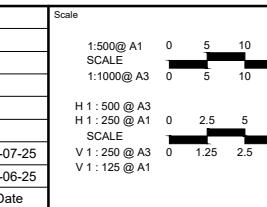
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C.J.Corcoran
Checked
C.Otto
Date
09 July 25

SOUTHERN JERRABOMBERRA ESTATE 2 NORTHERN CATCHMENT WSUD ASSET KEYPLAN AND DETAILS SHEET 1 QPRC DEVELOPMENT APPLICATION
Drg No
32344-001CD600 B
Rev



B	ISSUED FOR APPROVAL	C.J.C	09-07-25
A	ISSUED FOR CLIENT REVIEW	C.J.C	30-06-25
Rev	Amendments	Approved	Date



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Checked
C.Otto
Date
09 July 25

**SOUTHE JERRABOMBERRA ESTATE 2
NORTHERN CATCHMENT
WSUD ASSET KEYPLAN AND DETAILS
SHEET 2
QPRC
DEVELOPMENT APPLICATION**
Drg No
32344-001CD601 B
Rev



file name 32344-001CD610.dwg layout name CD610 plotted by Jim Zhang
the location G:\223244\401\CAD\plot date 09/07/2025 11:30 AM

B	ISSUED FOR APPROVAL	C.J.C	09-07-25

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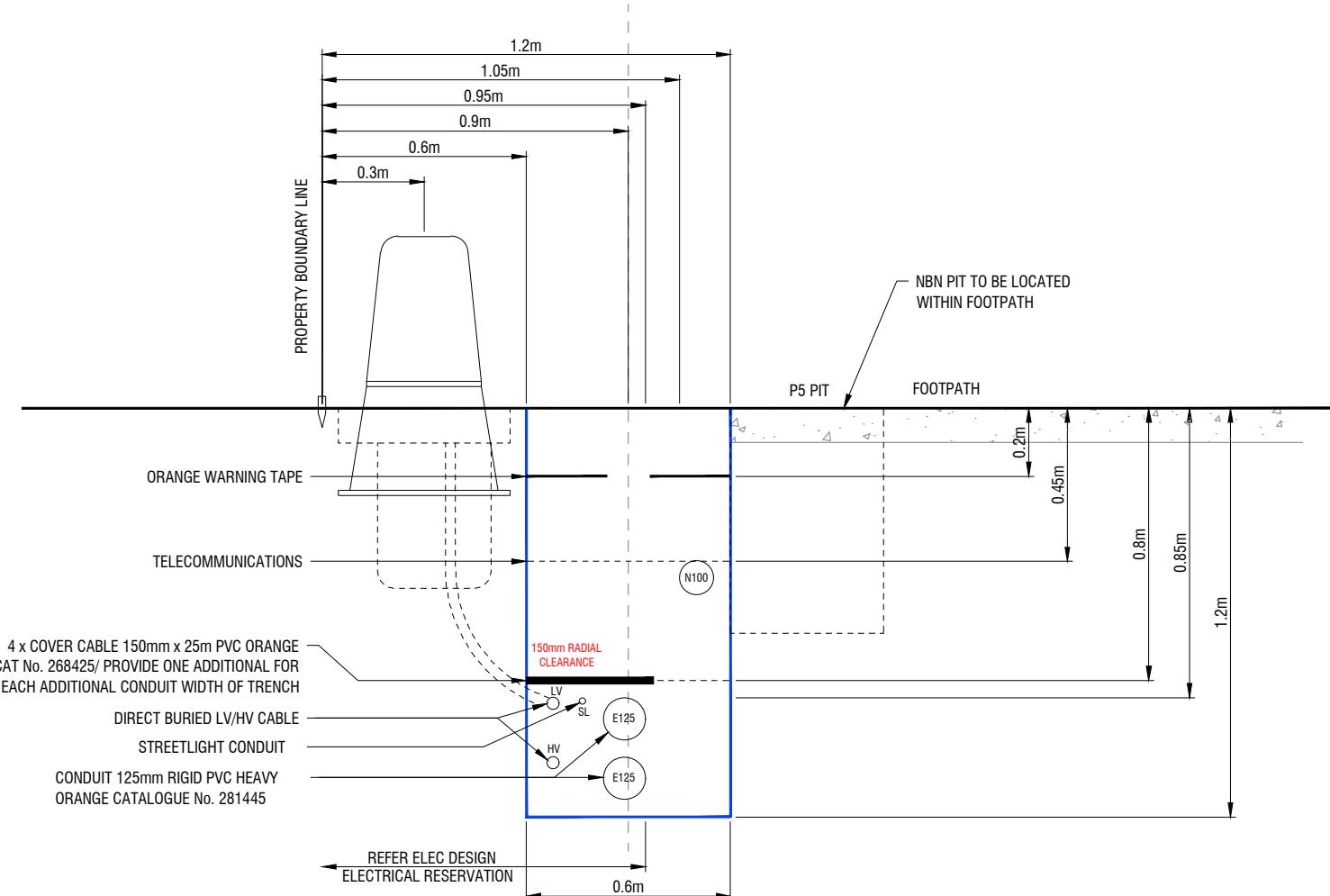
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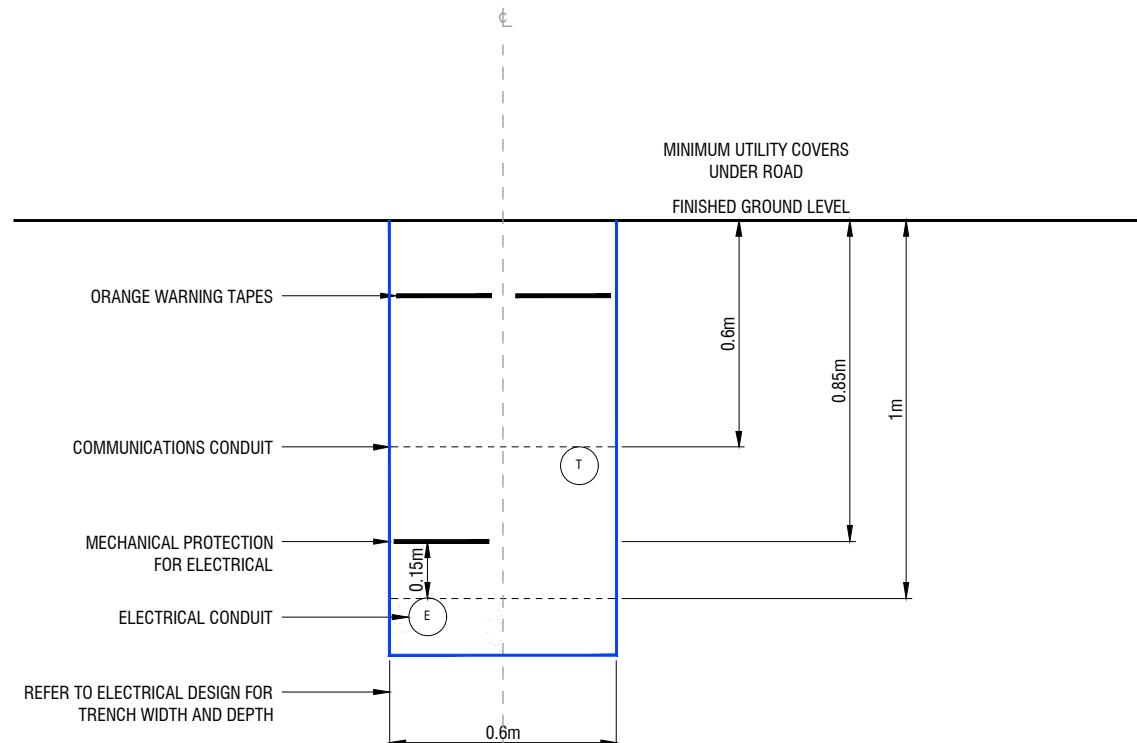
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**SOUTHE JERRABOMBERRA ESTATE 2
NORTHERN CATCHMENT**
UTILITY MASTER PLAN
SHEET 1
QPRC
DEVELOPMENT APPLICATION
Drg No
32344-001CD610 B
Rev



TYPICAL SHARED TRENCH DETAIL - TYPE 1

SCALE 1:10 @ A1



TYPICAL CONDUIT CROSSING IN SHARED TRENCH

SCALE 1:10 @ A1

MARKER TAPE	SERVICE TYPES
BLACK AND WHITE TAPE	TELECOMMUNICATIONS
ORANGE AND BLACK TAPE	TELECOMMUNICATIONS AND ELECTRICITY

MANDATORY SEPARATIONS

1. MANDATORY MINIMUM SEPARATIONS BETWEEN TELECOMMUNICATIONS AND PROTECTED ELECTRICAL CABLES / CONDUITS ARE AS FOLLOWS;
100mm BETWEEN LV CABLE / CONDUITS
300mm BETWEEN HV CABLE / CONDUITS

B	ISSUED FOR APPROVAL	C.J.C 09-07-25
A	ISSUED FOR CLIENT REVIEW	C.J.C 30-06-25
Rev	Amendments	Approved Date

Scale
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SCALE
1:20@A3
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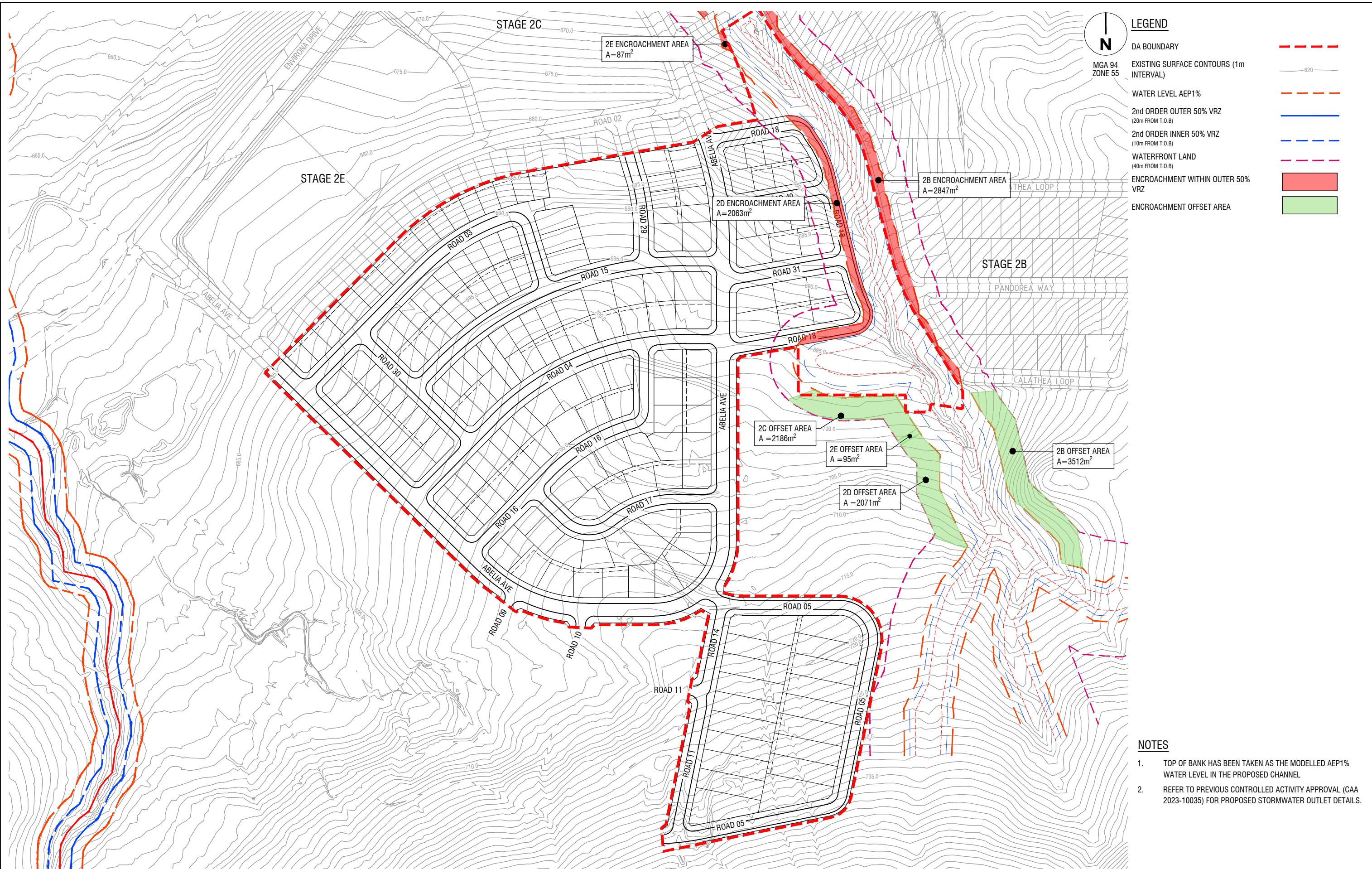
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C.Otto
Date
09 July 25

**SOUTHE JERRABOMBERRA ESTATE 2
NORTHERN CATCHMENT
SHARED TRENCH TYPICAL DETAIL
SHEET 1
QPRC
DEVELOPMENT APPLICATION**
Drg No
32344-001CD611 B
Rev



File name: 32344-001CD620.dwg layout name: CD620 plotted by Jim Zhang
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B	ISSUED FOR APPROVAL	C.J.C	09-07-25
A	ISSUED FOR CLIENT REVIEW	C.J.C	30-06-25
Rev	Amendments	Approved	Date

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C.J.Corcoran

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C.Otto
Date
09 July 25

**SOUTHERN JERRABOMBERRA ESTATE 2
NORTHERN CATCHMENT**
RIPARIAN CORRIDOR OFFSET PLAN
SHEET 1
QPRC
DEVELOPMENT APPLICATION

Drg No
32344-001CD620 B
Rev

GENERAL NOTES

1. THIS DRAWING TYPIFIES THE EROSION CONTROL PRINCIPLES REQUIRED FOR WORKS WITHIN THE QUEANBEYAN PALARANG REGIONAL COUNCIL. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DESIGN, CONSTRUCT AND MAINTAIN TEMPORARY EROSION CONTROL MEASURES TO COMPLY WITH THE REQUIREMENTS OF THE QRPC SPECIFICATION C211 - CONTROL OF EROSION AND SEDIMENTATION, VERSION 1 JANUARY 2019.
2. VARIATIONS TO APPROVED CONCEPTS AND PROPOSALS ARE TO BE ENDORSED BY QRPC PRIOR TO IMPLEMENTATION.
3. SEDIMENT AND EROSION CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED AS PER THE MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION, 4TH EDITION. 2004.
4. THIS IS A CONCEPTUAL SWMP ONLY. IT PROVIDES SUFFICIENT DETAIL TO SHOW CLEARLY THAT THE WORKS CAN PROCEED WITHOUT UNDUE POLLUTION TO RECEIVING WATERS. A DETAILED PLAN WILL BE PREPARED BY THE SUCCESSFUL CONSTRUCTION CONTRACTOR BEFORE WORKS START.
5. THE SWMP WILL BE READ WITH THE ENGINEERING PLANS AND ANY OTHER PLANS OR WRITTEN INSTRUCTIONS ISSUED IN RELATION TO DEVELOPMENT AT THE SUBJECT SITE.
6. CONTRACTORS WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE UNDERTAKEN AS INSTRUCTED IN THIS SPECIFICATION AND FOLLOWING THE GUIDELINES OUTLINED IN MANAGING URBAN STORMWATER: SOILS & CONSTRUCTION (LANDCOM, 2004).
7. ALL SUBCONTRACTORS WILL BE INFORMED OF THEIR RESPONSIBILITIES IN MINIMISING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWNSLOPE AREAS.

PRE CONSTRUCTION PHASE

1. CONSTRUCT STABILISED DRIVEWAY ENTRANCES.
2. CONSTRUCT SEDIMENT BASINS, DIVERSION CATCH DRAINS, DIVERSION BANKS OR OTHER DIVERSION WORKS AS REQUIRED. GRASS EMBANKMENTS AND INVERTS. PLACE BITUMEN STABILISED STRAW MULCH AND JUTE MESH TO WHITE WATER DRAINS.
3. CONSTRUCT SILT FENCES AND COMBINED HAY BALE/SILT FENCES AS SHOWN.

CONSTRUCTION PHASE

1. NO STOCKPILES, HAUL ROADS OR TRACKS ARE TO BE ESTABLISHED IN AREAS OTHER THAN THOSE SPECIFIED IN THE DOCUMENTS AND AS SHOWN ON THE PLAN. THE WORKS SHALL BE PLANNED TO ENSURE THAT A MINIMUM AREA OF THE SITE IS DISTURBED AT ANY ONE TIME.
2. ALL OVERLAND FLOW CHANNELS SHALL BE TOPSOILED, GRASSED AND MULCHED IMMEDIATELY AFTER THEIR COMPLETION.
3. ALL EARTHWORKS SHALL BE CARRIED OUT EXPEDITIOUSLY, TOPSOILED, GRASSED AND MULCHED IMMEDIATELY ON COMPLETION. SITE RESTORATION SHALL BE CARRIED OUT PROGRESSIVELY AS THE WORKS PROCEED.
4. ALL AREAS OF THE SITE BEYOND EARTHWORKS AND DRAINAGE WORKS LIMITS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE REVEGETATED IMMEDIATELY AND AT THE CONTRACTOR'S EXPENSE.
5. SILT FENCES ARE TO BE CONSTRUCTED ON THE DOWNSTREAM SIDE OF ANY STOCKPILES THAT DO NOT HAVE A GRASSED BUFFER OF 20m OF UNDISTURBED NATURAL VEGETATION.
6. PLACE SILT FENCES ACROSS FLOW PATHS DURING CONSTRUCTION STAGING WHERE INTERMEDIATE SILT FENCES CAN BE DOWNSTREAM OF CONSTRUCTION ZONE.
7. ALL TRUCKS EXPORTING MATERIALS OFF SITE SHALL HAVE THE LOAD COVERED.

POST CONSTRUCTION PHASE

1. FILL DIVERSIONS AND STABILISE DISTURBED AREAS.
2. SILT FENCES FOR BLOCKS AND STABILISED DRIVEWAY ENTRANCES ARE TO REMAIN AFTER CONSTRUCTION.

SEDIMENT CONTROL NOTES

1. SEDIMENT AND EROSION CONTROL DEVICES TO BE INSTALLED AND FULLY OPERATIONAL PRIOR TO STRIPPING OF SITE TOPSOIL.
2. STOCK PILE/S TO BE LOCATED AWAY FROM DRAINAGE LINES AND SURFACE FLOW PATHS. CONTOURED STRIATIONS OR FURROWS TO BE PROVIDED TO STOCK PILES TO MINIMISE EROSION.
3. STABILISED CONSTRUCTION ENTRANCE TO BE CONSTRUCTED PRIOR TO ACCESS TO SITE BY CONSTRUCTION VEHICLES. AGGREGATE TO BE TURNED WHEN SEDIMENT BUILDS UP.
4. TOTAL SITE AREA IS 20ha.
5. TOTAL DISTURBED AREA IS 20ha.
6. CONTRACTOR IS TO ESTABLISH A MAINTENANCE PROGRAM FOR SEDIMENT AND EROSION CONTROL DEVICES TO ENSURE INSPECTION AFTER SIGNIFICANT RAINFALL AND THAT ANY REPAIRS NECESSARY ARE QUICKLY ATTENDED TO.
7. LIMIT ACCESS TO SITE DURING AND IMMEDIATELY AFTER WET WEATHER.
8. REGULARLY REMOVE ANY SOIL FROM ROADS ADJACENT TO THE SITE.
9. NO STORAGE OF CONSTRUCTION MATERIALS, PARKING OF VEHICLES NOR EQUIPMENT PERMITTED IN VERGES OR OPEN SPACE WITHOUT QRPC APPROVAL.
10. NO SITE SHEDS, STORAGE SHEDS, SITE AMENITIES TO BE ERECTED ON VERGES OR OPEN SPACE WITHOUT QRPC APPROVAL.
11. PROVIDE KERBSIDE FILTER ROLL TO EXISTING DOWNSTREAM SUMPS.
12. KERBSIDE FILTER ROLLS TO BE REMOVED, CLEANED AND REINSTATED ON WEEKLY BASIS AT A MINIMUM. TRAPPED SEDIMENT AROUND SUMPS ALSO TO BE REMOVED. CLEANING IS ALSO TO TAKE PLACE IMMEDIATELY AFTER PERIODS OF RAINFALL DURING CONSTRUCTION.

13. EXCESS SOIL IS TO BE DISPOSED AT A LOCATION APPROVED BY SUPERINTENDENT. ALL BUILDING MATERIAL AND WASTE STOCKPILES SHALL BE LOCATED WITHIN A WASTE ENCLOSURE OR WASTE CONTAINMENT AREA ON THE SITE.

SEDIMENT BASINS

1. SEDIMENT BASINS SHALL BE FULLY MAINTAINED BY THE CONTRACTOR UNTIL THE DISTURBED CATCHMENT AREA IS PROTECTED AGAINST EROSION BY PERMANENT STABILISATION. PROTECTION SHALL BE PROVIDED FOR THE FINAL LANDSCAPE WORKS UTILISING SILT CONTROL FENCING.
2. THE SEDIMENT BASIN SHALL BE CLEANED OUT WHEN THE VOLUME REMAINING IS REDUCED BY SEDIMENTATION TO 90%.
3. THE EMBANKMENT SHALL BE STABILISED WITH HESSIAN TEMPORARILY.
4. QRPC TO BE ADVISED OF PROPOSED POND DISCHARGE PRIOR TO DISCHARGE.
5. BASINS TO BE GRASSED.

MAINTENANCE SCHEDULE

MONTHLY:

1. TURN OVER STABILISED CONSTRUCTION ENTRY MATERIAL AND TOP UP AS REQUIRED.
2. CHECK AND REINSTATE SILT CONTROL DEVICES.
3. MONITOR CONDITION AND STORAGE VOLUMES OF ALL SEDIMENT AND TEMPORARY SEDIMENT BASINS

DAILY:

4. SWEEP AND REMOVE ANY DIRT TRACKED ONTO PUBLIC ROADS BY VEHICLES. ALL NECESSARY STEPS SHOULD BE TAKEN THAT ARE PRACTICAL AND REASONABLE TO MINIMISE DUST POLLUTION FROM THE SITE.
5. CHECK WEATHER REPORT AT www.bom.gov.au FOR ANTICIPATED PRECIPITATION.
6. EMPTY TEMPORARY SEDIMENT BASINS IF STORM EVENT IS FORECAST OR IMMINENT.

DUST MANAGEMENT

1. A WATER CART/S OR SUFFICIENT WATER SPRAYS SHALL BE MADE AVAILABLE IN DRY AND WINDY CONDITIONS TO MAINTAIN DUST SUPPRESSION.
2. WATER SHALL BE APPLIED TO SUPPRESS DUST FROM OPEN EARTHWORKS AS WELL AS UNPROTECTED STOCKPILES.
3. STOCKPILES SHALL BE EITHER COVERED OR SEEDED TO PREVENT DUST.
4. AREAS OF COMPLETED EARTHWORKS SHALL BE PROGRESSIVELY REHABILITATED WITH DRYLAND GRASS AND FENCED OFF AS SOON AS PRACTICABLE TO PREVENT FURTHER EROSION.
5. THE CONTRACTOR SHALL CONTACT QRPC TO OBTAIN AN EXEMPTION TO USE WATER ON THE SITE.
6. IN THE EVENT OF HIGH WINDS, WHERE DUST CANNOT BE CONTROLLED, WORK SHALL CEASE IMMEDIATELY.

CONTROL OF WASTE

1. ALL BUILDING MATERIAL AND WASTE STOCKPILES MUST BE LOCATED ON SITE. THE WASTE ENCLOSURE IS TO BE USED AND IS TO BE CAPABLE OF HOLDING ALL WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF IN AN APPROPRIATE MANNER.

EXPORT OF SOIL

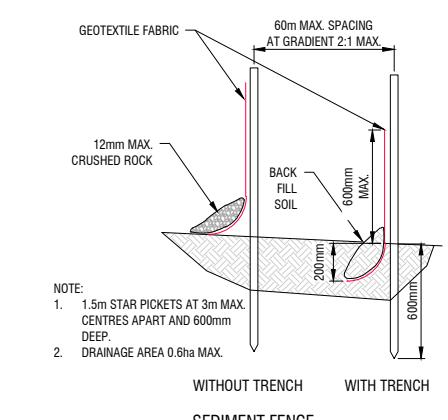
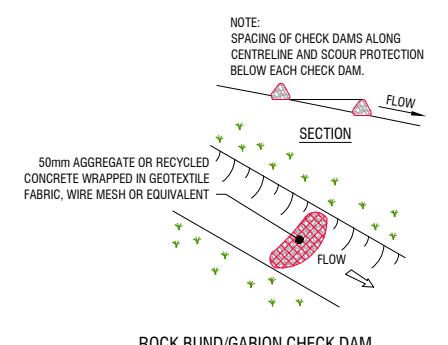
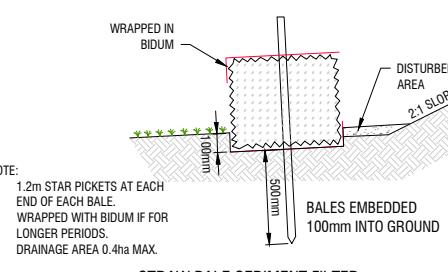
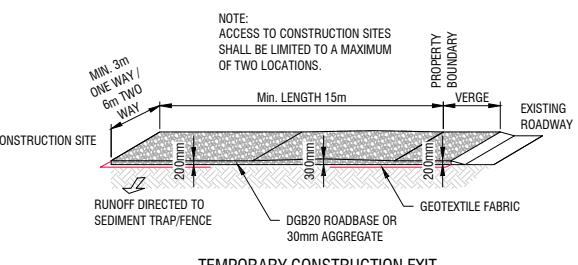
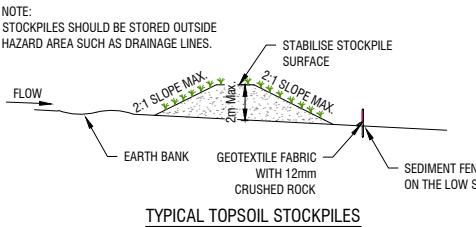
1. IF SOIL IS TO BE REMOVED FROM OR IMPORTED TO SITE, THE DETAILS OF THE ORIGIN OF THE SOIL IMPORTED OR THE LOCATION WHERE THE SOIL IS TO BE EXPORTED ARE TO BE PROVIDED TO QRPC A MINIMUM OF 2 WEEKS IN ADVANCE OF THE WORK.

DESIGN BASIS

1. THE PRINCIPLES OF THESE PLANS ARE BASED ON THE MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION, 4TH EDITION. 2004 GUIDELINES.

BUFFER ZONE WIDTHS

SLOPE (%)	BUFFER WIDTH (m)
2	15
4	20
6	30
8	40
10	50
12	60
14	70



LEGEND

DA BOUNDARY

EXISTENT SURFACE CONTOURS (1m INTERVAL)

620.0

DISTURBED AREA

CATCHMENT BOUNDARY

EXISTING TREE TO BE RETAINED

EXISTING TREE TO BE REMOVED

CONSTRUCTION HAUL ROAD

STABILISED ACCESS

SITE COMPOUND

STOCKPILE

TEMPORARY FENCE

SILT FENCE

CLEAN WATER DIVERSION

CONSTRUCTION SWALE

PROPOSED STORMWATER

OVERLAND FLOW DIRECTION - DIRTY

OVERLAND FLOW DIRECTION - CLEAN

FILTER ROLL (0200 NETTING AND GEOTEXTILE FABRIC FILLED WITH 25mm GRAVEL)

EASEMENT

DISTURBED AREA = 4.3 HECTARES

SEDIMENT BASIN A:

1. TOTAL CATCHMENT AREA* = 4.3 HECTARES.
2. SETTING ZONE VOLUME = 795m³

$$V=10 \times C_s \times A \times R$$

$$WHERE C_s = 0.56$$

$$A = 4.3 \text{ HECTARES}$$

$$R = 33 \text{ (90TH PERCENTILE RAINFALL EVENT)}$$
3. SEDIMENT STORAGE ZONE VOLUME = 190m³

*DISTURBED AREA = 4.3 HECTARES.

SEDIMENT BASIN B:

1. TOTAL CATCHMENT AREA* = 5.5 HECTARES.
2. SETTING ZONE VOLUME = 1016m³

$$V=10 \times C_s \times A \times R$$

$$WHERE C_s = 0.56$$

$$A = 5.5 \text{ HECTARES}$$

$$R = 33 \text{ (90TH PERCENTILE RAINFALL EVENT)}$$
3. SEDIMENT STORAGE ZONE VOLUME = 243m³

*DISTURBED AREA = 5.5 HECTARES.

SEDIMENT BASIN C:

1. TOTAL CATCHMENT AREA* = 4.5 HECTARES.
2. SETTING ZONE VOLUME = 832m³

$$V=10 \times C_s \times A \times R$$

$$WHERE C_s = 0.56$$

$$A = 4.5 \text{ HECTARES}$$

$$R = 33 \text{ (90TH PERCENTILE RAINFALL EVENT)}$$
3. SEDIMENT STORAGE ZONE VOLUME = 199m³

*DISTURBED AREA = 4.5 HECTARES.

SEDIMENT BASIN D:

1. TOTAL CATCHMENT AREA* = 5.6 HECTARES.
2. SETTING ZONE VOLUME = 1035m³

$$V=10 \times C_s \times A \times R$$

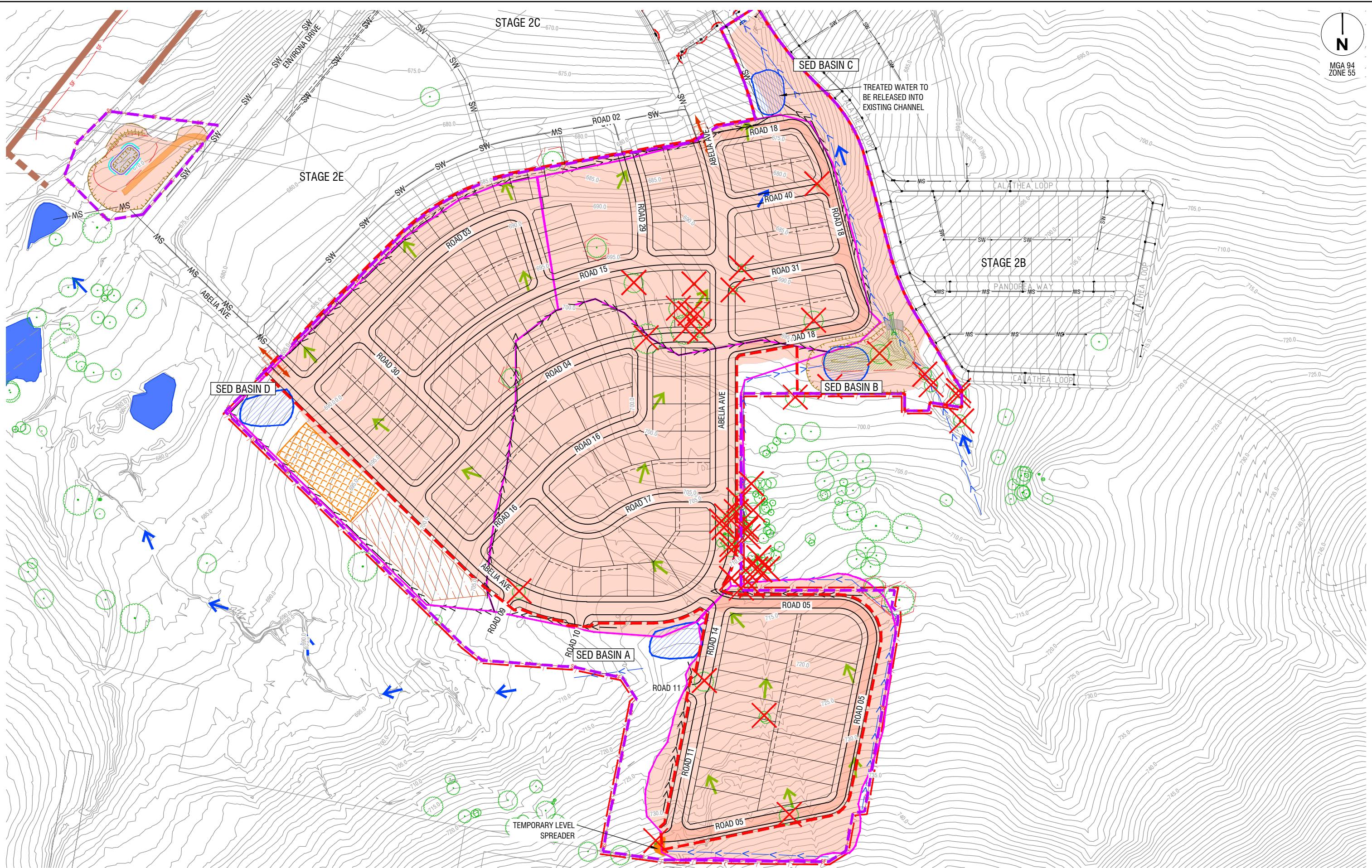
$$WHERE C_s = 0.56$$

$$A = 5.6 \text{ HECTARES}$$

$$R = 33 \text{ (90TH PERCENTILE RAINFALL EVENT)}$$
3. SEDIMENT STORAGE ZONE VOLUME = 247m³

*DISTURBED AREA = 5.6 HECTARES.

B	ISSUED FOR APPROVAL	C.J.C	09-07-25
A	ISSUED FOR CLIENT REVIEW	C.J.C	30-06-25
Rev			Approved Date



The name 32344-001CD701.dwg layout name CD701 plotted by Jim Zhang
The location G:\232344\401\CD701\DWG\CD701.dwg
The date 09/07/2025 11:30 AM

B	ISSUED FOR APPROVAL	C.J.C 09-07-25
A	ISSUED FOR CLIENT REVIEW	C.J.C 30-06-25
Rev	Amendments	Approved Date

Scale
1:1500@A1 0 15 30 45 60 75
1:3000@A3 0 15 30 45 60 75

Registered Professional Engineer Name
Registration Number
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Designed
J.Zhang
Authorised
C.J.Corcoran

Checked
C.Otto
Date
09 July 25

**SOUTHERN JERRABOMBERRA ESTATE 2
NORTHERN CATCHMENT**
SOIL, WATER & VEGETATION CONCEPT MANAGEMENT PLAN
SHEET 2
QPRC
DEVELOPMENT APPLICATION
Drg No 32344-001CD701 B
Rev