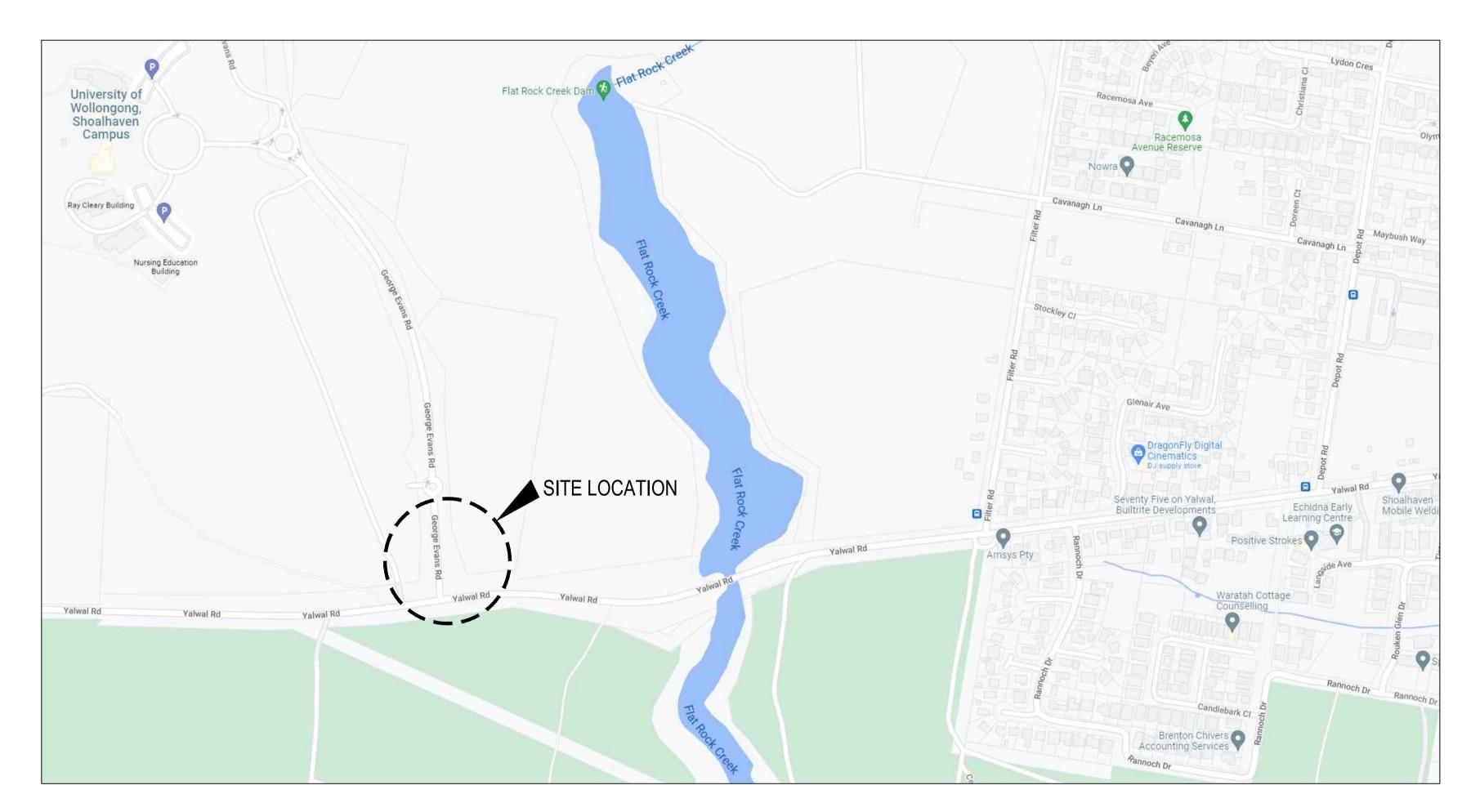
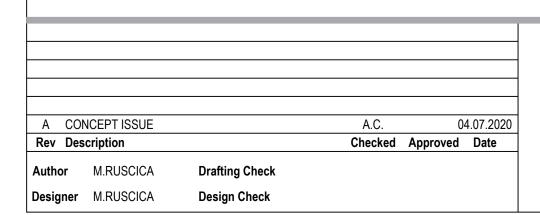
# SHOALHAVEN CITY COUNCIL YALWAL ROAD WEST NOWRA 80% CONCEPT DESIGN ISSUE



LOCALITY PLAN

DRG No.	DRAWING TITLE
12566381-10-C001	COVER SHEET, LOCALITY PLAN AND DRAWING LIST
12566381-10-C002	GENERAL NOTES
12566381-10-C005	SHEET LAYOUT PLAN
12566381-10-C010	TYPICAL CROSS SECTIONS
12566381-10-C100	GENERAL ARRANGEMENT PLAN - SHEET 1 OF 4
12566381-10-C101	GENERAL ARRANGEMENT PLAN - SHEET 2 OF 4
12566381-10-C102	GENERAL ARRANGEMENT PLAN - SHEET 3 OF 4
12566381-10-C103	GENERAL ARRANGEMENT PLAN - SHEET 4 OF 4
12566381-10-C200	LONG SECTIONS - SHEET 1 OF 3
12566381-10-C201	LONG SECTIONS - SHEET 2 OF 3
12566381-10-C202	LONG SECTIONS - SHEET 3 OF 3
12566381-10-C300	CROSS SECTIONS - SHEET 1 OF 5
12566381-10-C301	CROSS SECTIONS - SHEET 2 OF 5
12566381-10-C302	CROSS SECTIONS - SHEET 3 OF 5
12566381-10-C303	CROSS SECTIONS - SHEET 4 OF 5
12566381-10-C304	CROSS SECTIONS - SHEET 5 OF 5
12566381-10-C400	LINEMARKING AND SIGNAGE PLAN - SHEET 1 OF 3
12566381-10-C401	LINEMARKING AND SIGNAGE PLAN - SHEET 2 OF 3
12566381-10-C402	LINEMARKING AND SIGNAGE PLAN - SHEET 3 OF 3



Plotted by: Mark Ruscica

Plot Date: 4 July 2022 - 4:17 PM



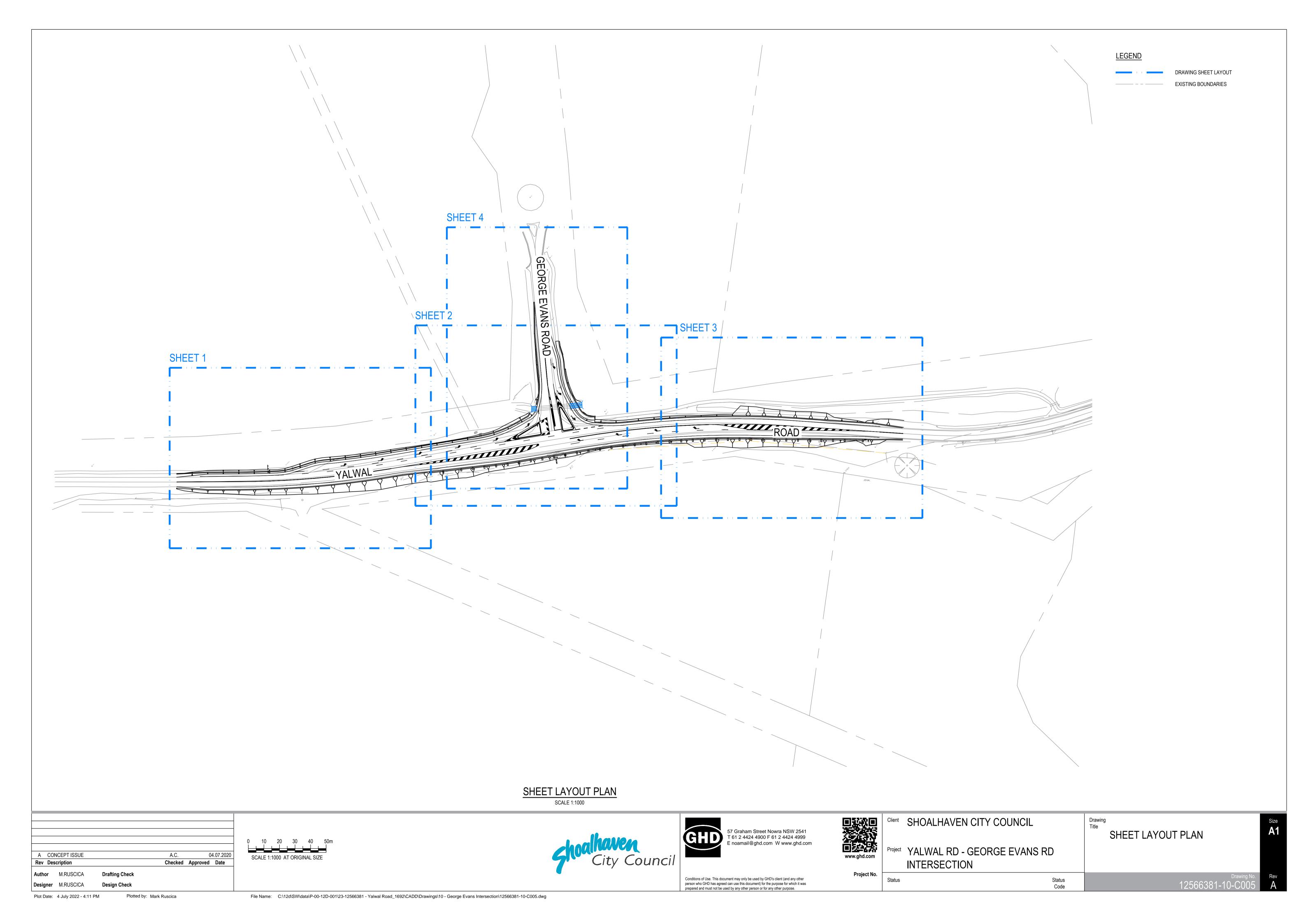


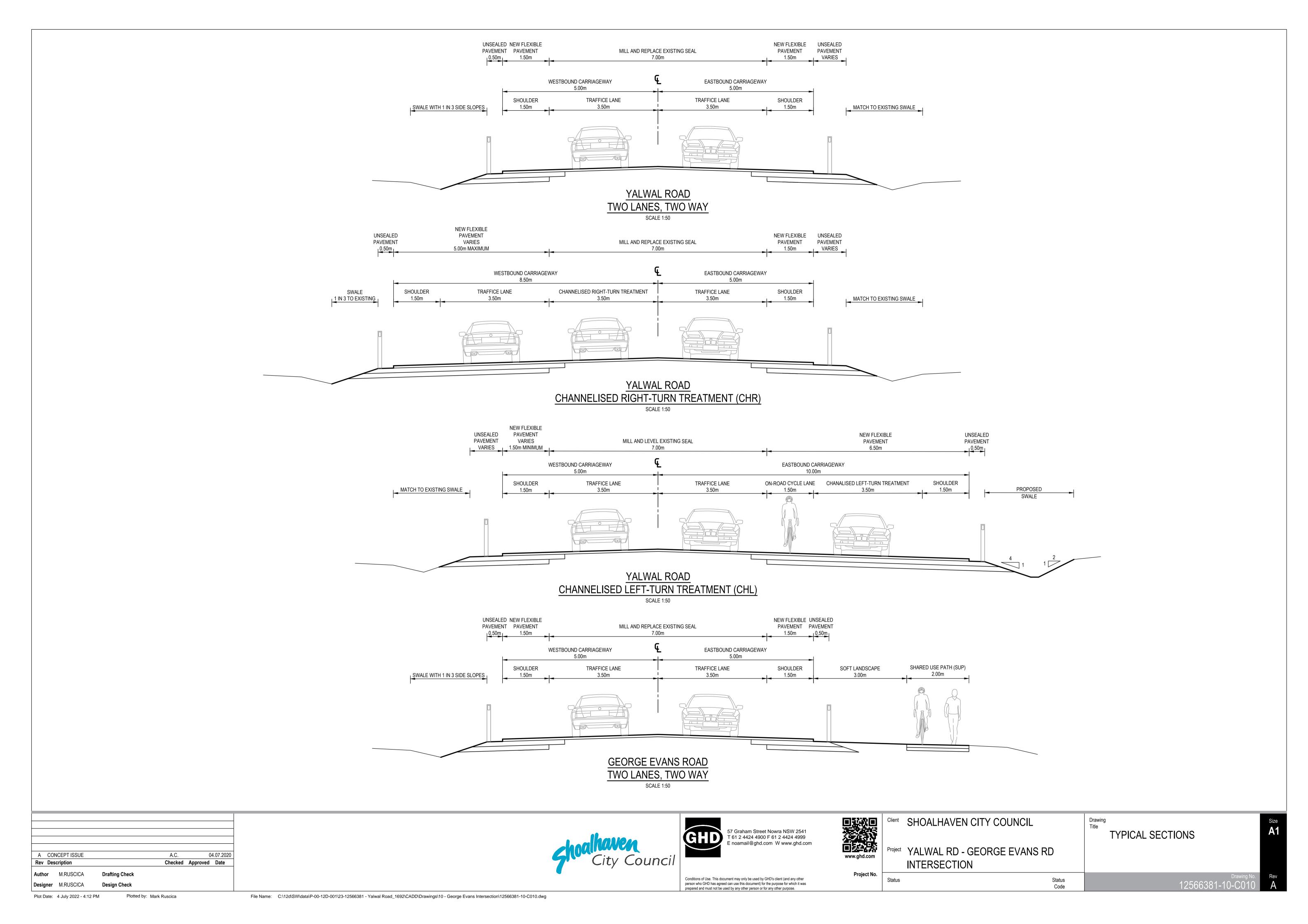
Project No.

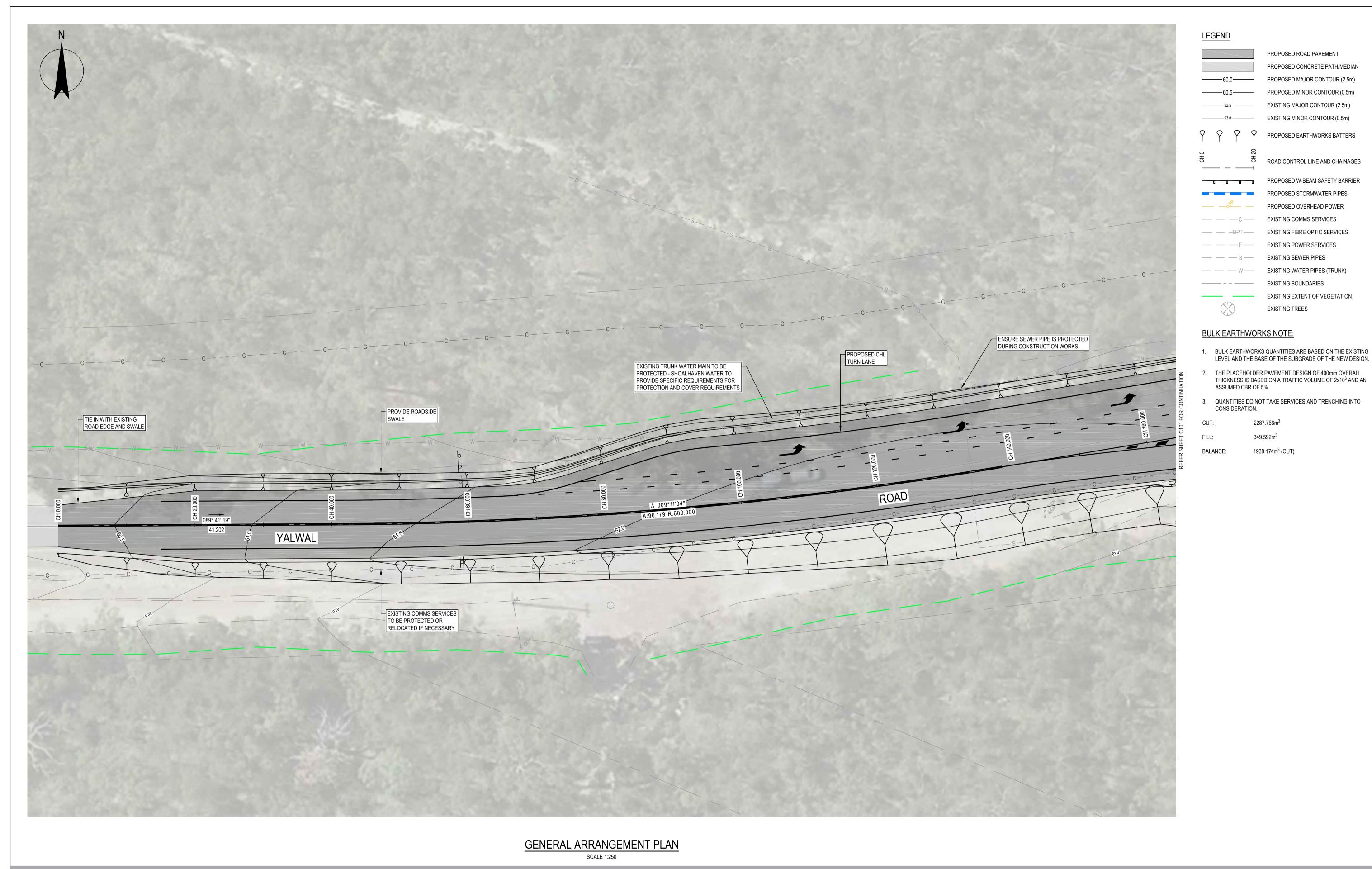
YALWAL RD - GEORGE EVANS RD **INTERSECTION** 

SHOALHAVEN CITY COUNCIL

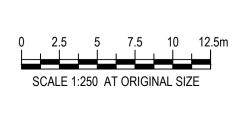
Drawing Title **COVER SHEET & DRAWING LIST** 







A CONCEPT ISSUE 04.07.2020 Rev Description Checked Approved Date **Author** M.RUSCICA Drafting Check Design Check







Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

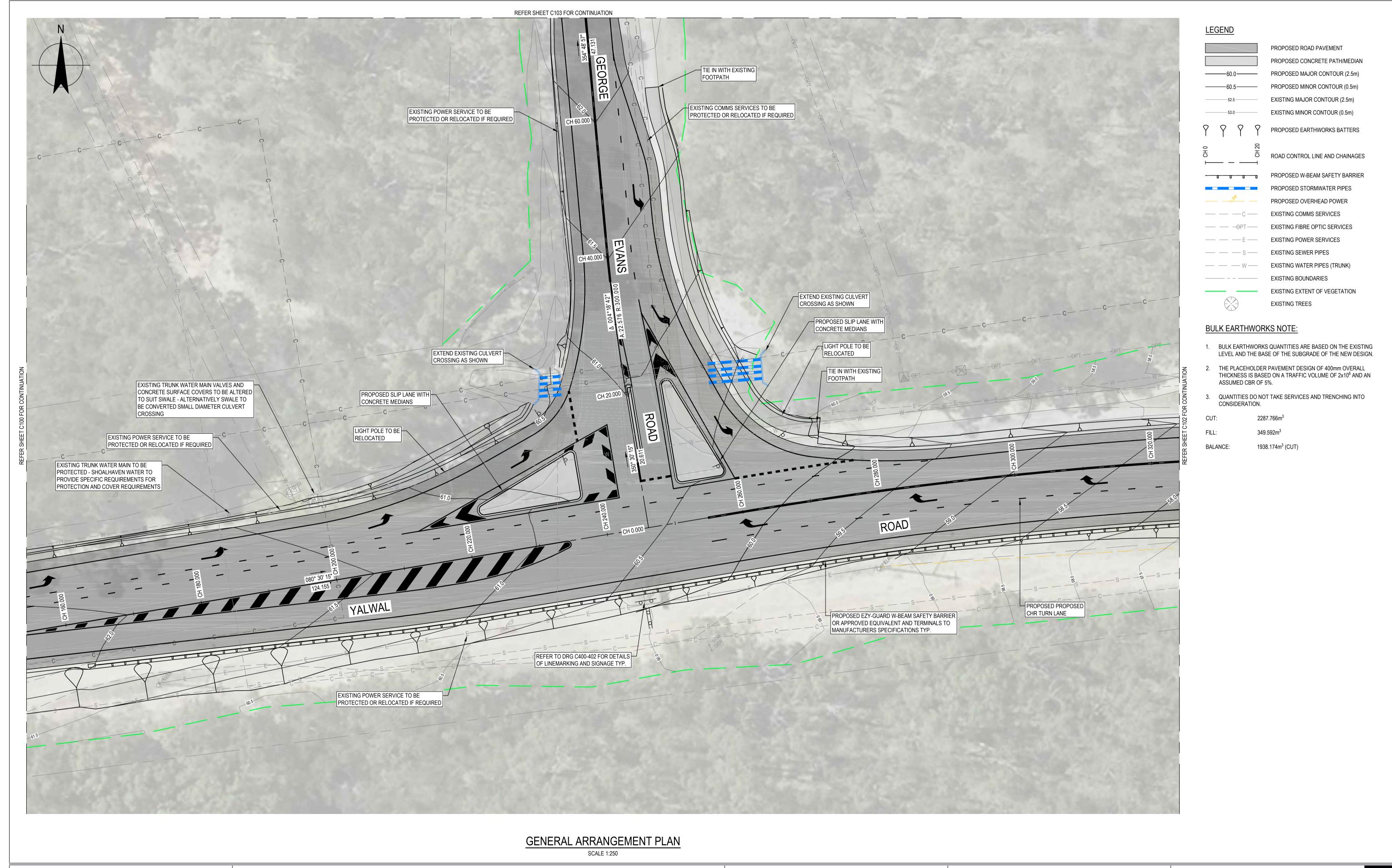


Project YALWAL RD - GEORGE EVANS RD INTERSECTION Project No.

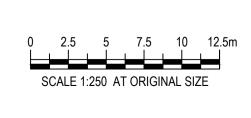
Client SHOALHAVEN CITY COUNCIL

Status Code

Drawing Title GENERAL ARRANGEMENT PLAN SHEET 1 OF 4



A CONCEPT ISSUE 04.07.2020 **Rev Description** Checked Approved Date Author M.RUSCICA Drafting Check







Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.



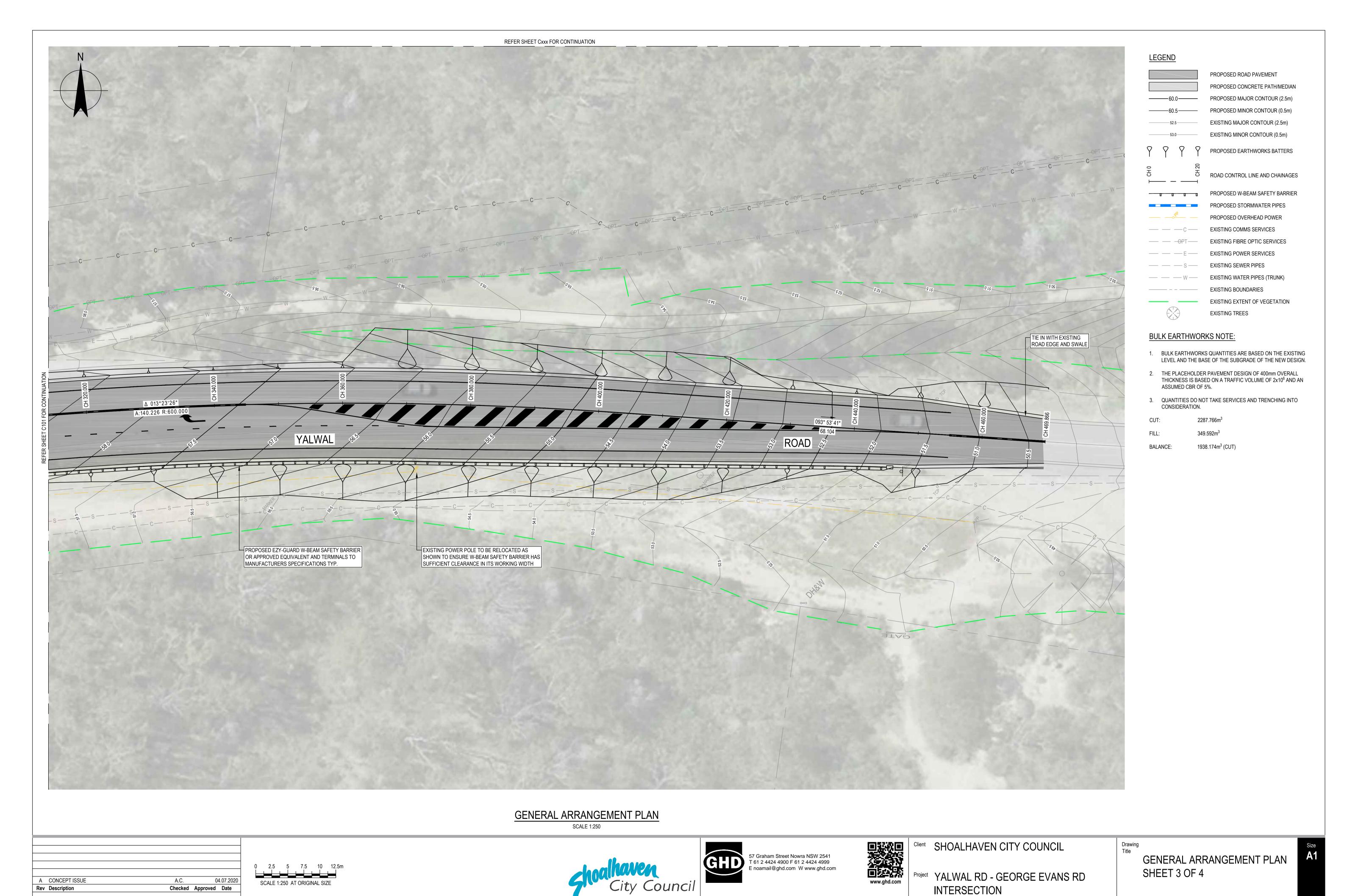
Project YALWAL RD - GEORGE EVANS RD INTERSECTION Project No.

Client SHOALHAVEN CITY COUNCIL

Drawing Title GENERAL ARRANGEMENT PLAN SHEET 2 OF 4

Status

Code



Project No.

Status Code

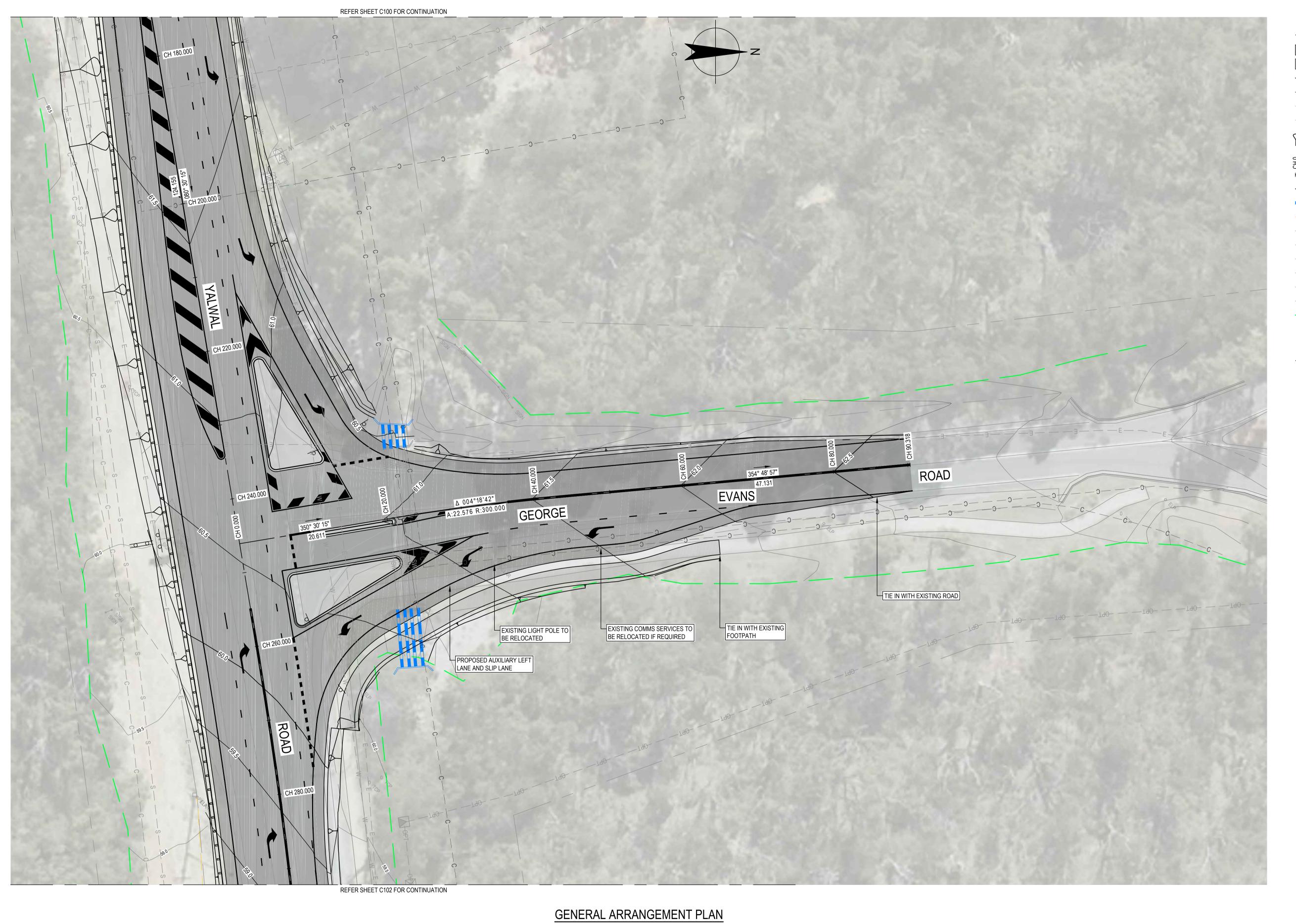
Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Author M.RUSCICA

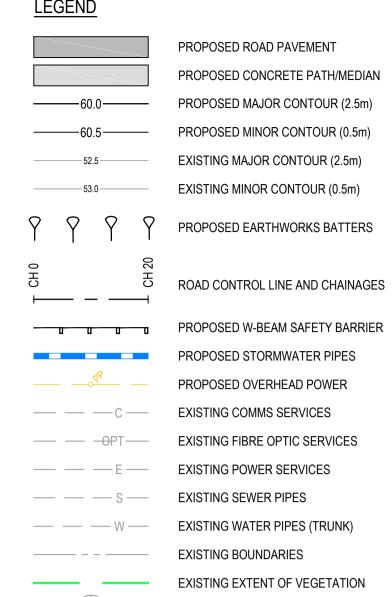
Plot Date: 4 July 2022 - 4:12 PM

Drafting Check

Plotted by: Mark Ruscica



## <u>LEGEND</u>



## BULK EARTHWORKS NOTE:

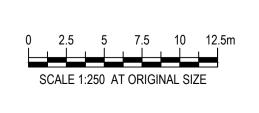
1. BULK EARTHWORKS QUANTITIES ARE BASED ON THE EXISTING LEVEL AND THE BASE OF THE SUBGRADE OF THE NEW DESIGN.

**EXISTING TREES** 

- 2. THE PLACEHOLDER PAVEMENT DESIGN OF 400mm OVERALL THICKNESS IS BASED ON A TRAFFIC VOLUME OF 2x10<sup>6</sup> AND AN ASSUMED CBR OF 5%.
- QUANTITIES DO NOT TAKE SERVICES AND TRENCHING INTO CONSIDERATION.

2287.766m<sup>3</sup> FILL: 349.592m<sup>3</sup> 1938.174m<sup>3</sup> (CUT) BALANCE:

A CONCEPT ISSUE 04.07.2020 Rev Description Checked Approved Date Author M.RUSCICA Drafting Check







Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.



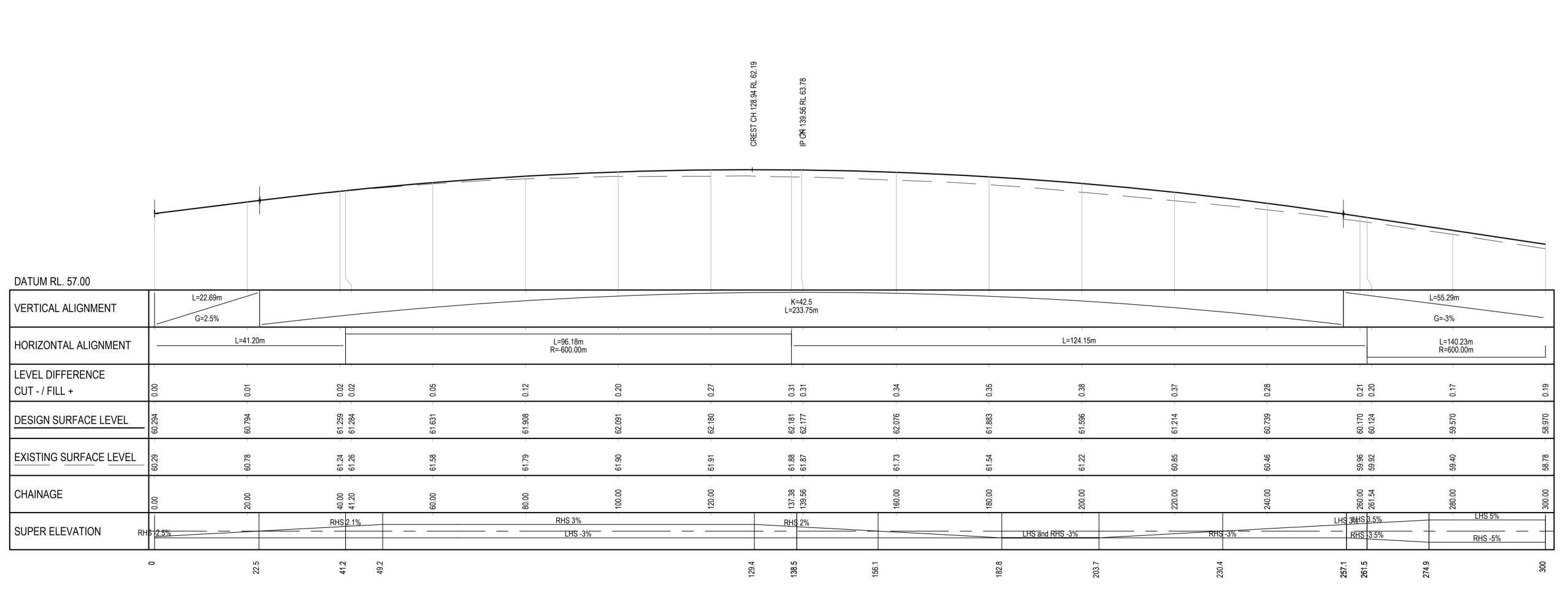
Project No.

Project YALWAL RD - GEORGE EVANS RD INTERSECTION

Status Code

Client SHOALHAVEN CITY COUNCIL

Drawing Title GENERAL ARRANGEMENT PLAN SHEET 4 OF 4



# YALWAL ROAD LONGITUDINAL SECTION

SCALE H 1:500 V 1:100

A CONCEPT ISSUE 04.07.2020 Rev Description Checked Approved Date **Drafting Check** Author M.RUSCICA Design Check

HORIZONTAL 1:500 TO THE TOTAL TOTAL





Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.



Project No.

Project YALWAL RD - GEORGE EVANS RD INTERSECTION

Client SHOALHAVEN CITY COUNCIL

Drawing Title

Status Code

LONG SECTIONS SHEET 1 OF 3



54.64 54.54

K=32.5 L=113.75m

L=140.23m R=600.00m



Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

**459.6** 466.3 469.9

L=44.39m

G=-6.5%

L=68.10m



Client SHOALHAVEN CITY COUNCIL

Project YALWAL RD - GEORGE EVANS RD INTERSECTION Project No.

Drawing Title

Status Code

LONG SECTIONS SHEET 2 OF 3

Plotted by: Mark Ruscica Plot Date: 4 July 2022 - 4:13 PM

**Drafting Check** 

A CONCEPT ISSUE

Author M.RUSCICA

Rev Description

**DATUM RL. 48.00** 

VERTICAL ALIGNMENT

LEVEL DIFFERENCE

CUT - / FILL +

CHAINAGE

SUPER ELEVATION

HORIZONTAL ALIGNMENT

DESIGN SURFACE LEVEL

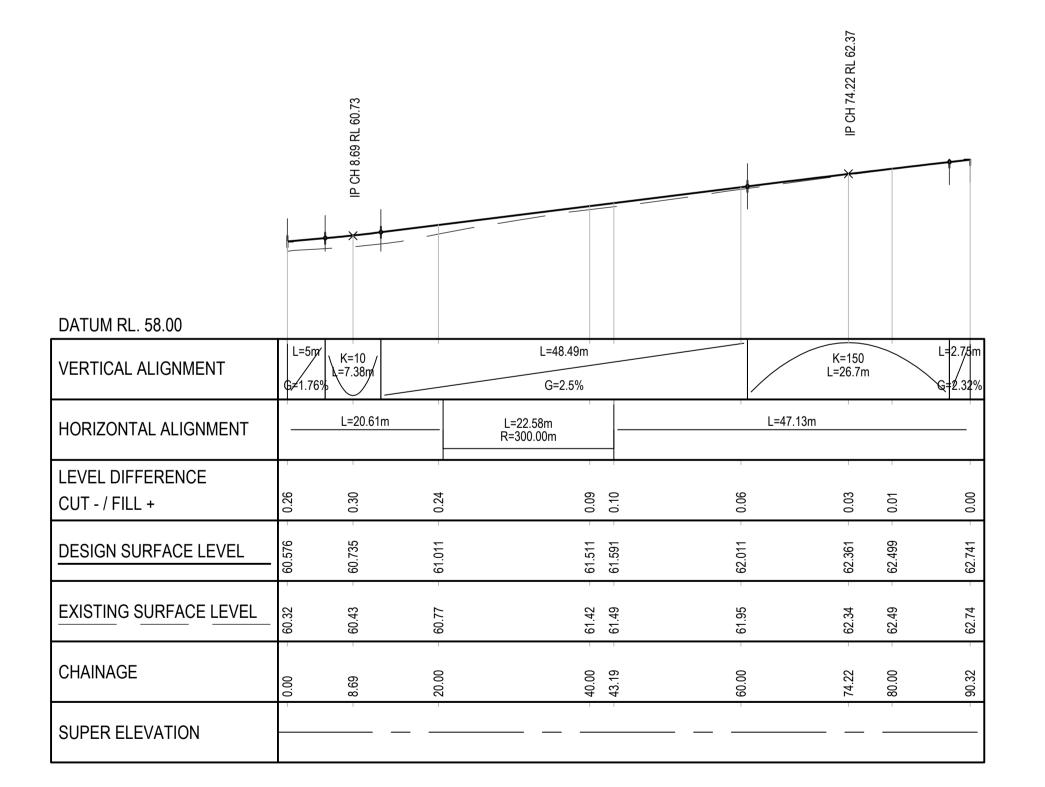
EXISTING SURFACE LEVEL

L=55.29m

G=-3%

RHS -5%

File Name: C:\12d\SW\data\P-00-12D-001\23-12566381 - Yalwal Road\_1692\CADD\Drawings\10 - George Evans Intersection\12566381-10-C201.dwg



## GEORGE EVANS ROAD LONGITUDINAL SECTION SCALE H 1:500 V 1:100

A CONCEPT ISSUE 04.07.2020 Checked Approved Date Rev Description **Drafting Check** Author M.RUSCICA

VERTICAL 1:100 AT ORIGINAL SIZE HORIZONTAL 1:500 TO THE TOTAL TOTAL





Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.



Project No.

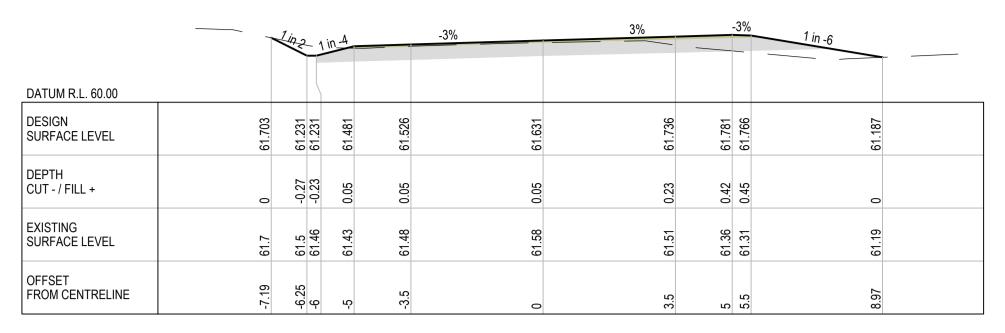
Project YALWAL RD - GEORGE EVANS RD INTERSECTION

Client SHOALHAVEN CITY COUNCIL

Status Code

Drawing Title LONG SECTIONS SHEET 3 OF 3

File Name: C:\12d\SW\data\P-00-12D-001\23-12566381 - Yalwal Road\_1692\CADD\Drawings\10 - George Evans Intersection\12566381-10-C202.dwg



		1 in 2	1 in -4		-3%	2%	-3	1 in -6	<u> </u>
DATUM R.L. 59.00									
DESIGN SURFACE LEVEL	61.454	60.859	61.109	61.154	61.259	61,328	61.357	60.342	
DEPTH CUT - / FILL +	0	-0.36	-0.31	0.02	0.02	0.13	0.28	0.3	
EXISTING SURFACE LEVEL	61.45	61.22	61.17	61.13	61.24	61.2	61.08	61.04	
OFFSET FROM CENTRELINE	-7.44	-6.25	တ် လု	-3.5	0	ن ت	co.	5.5	

CH 40

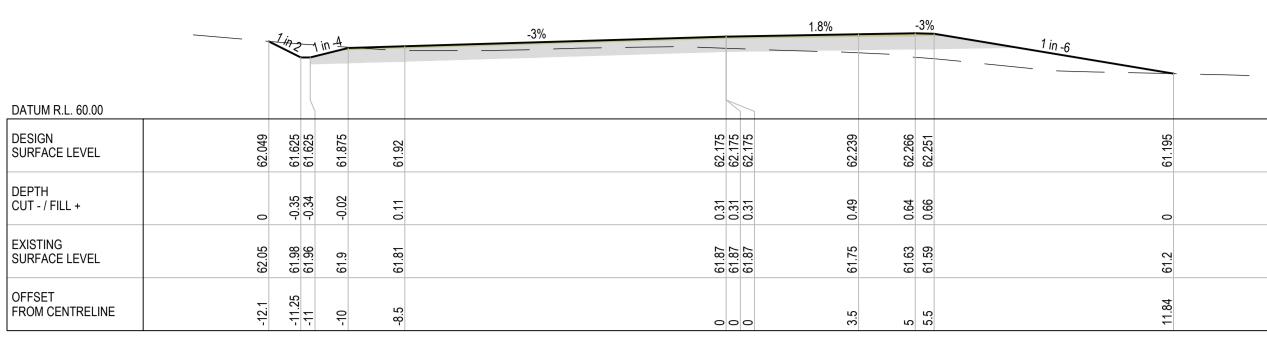
	1 in -7.3	-3%	-0.3% -3%	1 in -6
DATUM R.L. 59.00				
DESIGN SURFACE LEVEL	60.507	60.794 60.794	60.785	60.422
DEPTH CUT - / FILL +	-0.32	0.01	0.05	0
EXISTING SURFACE LEVEL	60.83	60.78 60.78 60.78	60.73	60.42
OFFSET FROM CENTRELINE	9 9 9	o. ? 0 0	3.5	7.56

CH 20

	-1.7%	6	-1.6%	-2.5%	-3%1 in -6	_
DATUM R.L. 59.00						
DESIGN SURFACE LEVEL	60.18 60.213 60.213	60.238	60.295	90	60.206 60.206 60.191 60.108	
DEPTH CUT - / FILL +	0 0.03 0.02	9 9	0	2	0.03	
EXISTING SURFACE LEVEL	60.18 60.18 60.19	60.24	60.29	C	60.2 60.16 60.11	
OFFSET FROM CENTRELINE	-5.45 -5.25 -5	3.5	0	u c	3.5	

SCALE 1:100 AT ORIGINAL SIZE

CH 0



CH 140

	7 in A	-3%	3%	-3%	1 in -6
DATUM R.L. 60.00					
DESIGN SURFACE LEVEL	62.146 61.63 61.88 61.925	62.18	62.285	62.33	61.282
DEPTH CUT - / FILL +	0 -0.43 -0.41 -0.08	0.27	0.46	0.68	0
EXISTING SURFACE LEVEL	62.15 62.06 62.04 61.96	61.91	61.82	61.65	61.28
OFFSET FROM CENTRELINE	-12.28 -11.25 -10 -8.5	0	3.5	55.55	11.7

CH 120

		11/1/2	1 in -4				3%		-3%	1 in -6	
DATUM R.L. 60.00											
DESIGN SURFACE LEVEL	62.252	61.541	61.791	61.836	62.091	02.091	62.196	62.241	62.226	61.402	
DEPTH CUT - / FILL +	0	-0.64	-0.32	-0.15	0.2	7.0	0.32	0.55	0.59	0	
EXISTING SURFACE LEVEL	62.25	62.18 62.16	62.11	61.99	<u>0</u>	6.	61.88	61.69	61.64	61.4	
OFFSET FROM CENTRELINE	-12.67	-11.25	-10	-8.5	0	>	3.5	22	5.5	10.44	

CH 100

		1/n2 1in	-2.8%	-3%		3%	-3%	1 in -6
DATUM R.L. 60.00								
DESIGN SURFACE LEVEL	62.118	61.438	61.688		61.908	62.013	62.043	61.368
DEPTH CUT - / FILL +	0	-0.64	-0.24		0.12	0.27	0.52	0
EXISTING SURFACE LEVEL	62.12	62.08	61.93		61.79	61.74	61.52	61.37
OFFSET FROM CENTRELINE	-10.02	-8.66	-7.41		0 0	3.5	5.5	9.55
		, ,	,		CH 80	,	, ,	

YALWAL ROAD CROSS SECTIONS

SCALE 1:100





		)I
w.ghd.com	Project	Y
<b>J</b>		IN

Project No.

Client SHOALHAVEN CITY COUNCIL

Project YALWAL RD - GEORGE EVANS YALWAL RD - GEORGE EVANS RD INTERSECTION

Drawing Title SHEET 1 OF 5

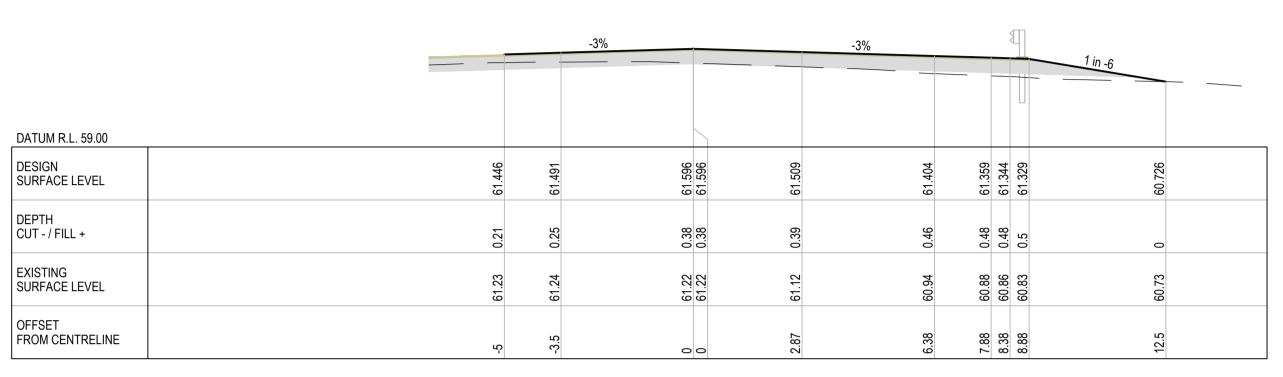
Status Code

CROSS SECTIONS

A CONCEPT ISSUE 04.07.2020 Checked Approved Date Rev Description **Drafting Check** Author M.RUSCICA **Designer** M.RUSCICA



Design Check



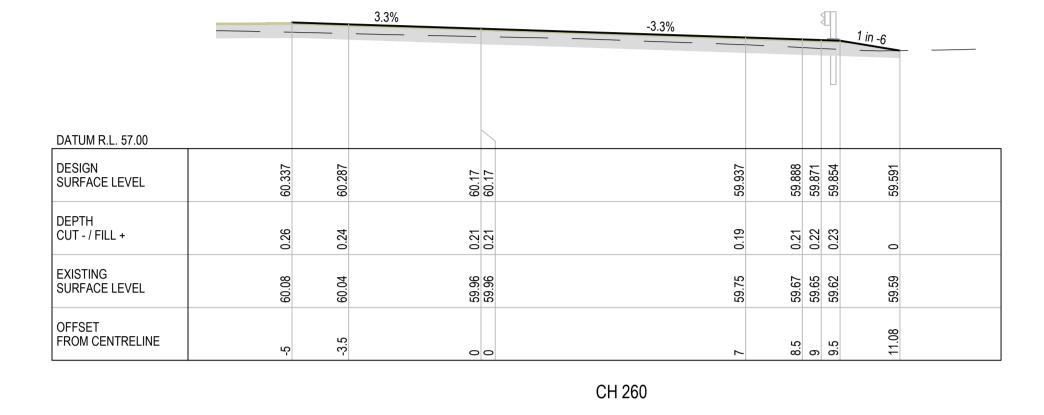
			1 in	-A	-				-2.7%		-39	1 in -6
DATUM R.L. 59.00												
DESIGN SURFACE LEVEL	61.473	61.333	61.333	61.583	61.628	61.883	61.883	61.834	61.74	61.699	61.686	60.759
DEPTH CUT - / FILL +	0	-0.12	-0.11	0.2	0.27	0.35	0.35	0.36	0.48	0.57	0.57	0
EXISTING SURFACE LEVEL	61.47	61.46	61.44	61.38	61.36	61.54	61.54	61.47	61.26	61.13	61.11	60.76
OFFSET FROM CENTRELINE	_	-11.25	-1	-10	-8.5	0	0	1.83	5.33	6.83	7.33	13.3

CH 180

CH 160

DATUM R.L. 60.00	7/021in-4		-0.4%	-3%	1 in -6
DESIGN SURFACE LEVEL	61.743 61.526 61.526 61.776 61.821	62.076 62.076 62.073	62.057	62.051	61.068
DEPTH CUT - / FILL +	0 -0.19 -0.17 0.14	0.34 0.34 0.37	0.51	0.64	0
EXISTING SURFACE LEVEL	61.74 61.71 61.7 61.64 61.6	61.73 61.73 61.7	61.55	61.42	61.07
OFFSET FROM CENTRELINE	-11.68 -11.25 -10 -10	0 0 0.78	4.29	5.79 6.29	12.09

YALWAL ROAD CROSS SECTIONS



			1.1%			1	1 in -6	
DATUM R.L. 58.00								
DESIGN SURFACE LEVEL	60.793	97.09	60.739	60.529	60.484	60.469	60.063	
DEPTH CUT - / FILL +	0.29	0.28	0.28	0.32	0.35	0.35	0	
EXISTING SURFACE LEVEL	60.5	60.49	60.46 60.46 60.46	60.21	60.13	60.12	90.09	
OFFSET FROM CENTRELINE	гþ	-3.5	0 0	7	8.5	9 25	11.85	

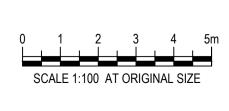
CH 240

			-1.2%	_		-3%	% 			1		1 in -6	
DATUM R.L. 59.00													
DESIGN SURFACE LEVEL	61.156	61.173	61.214	61.214	61.11		200	50.	60.959	60.944	60.929	60.466	
DEPTH CUT - / FILL +	0.29	0.3	0.37	0.37	0.36		ć, (,	0.42	0.43	0.42	0.42	0	
EXISTING SURFACE LEVEL	60.87	60.87	60.85	60.85	60.75		0	0000	60.53	60.52	60.51	60.47	
OFFSET FROM CENTRELINE	<b>က</b> ု	-3.5	0	0	3.48		1	_	8.5	တ (	G. C.	12.28	

CH 220

Status Code

A CO	NCEPT ISSUE		A.C.	04.07.2020
Rev Des	scription		Checked	Approved Date
Author	M RUSCICA	Drafting Check		





SCALE 1:100



Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.



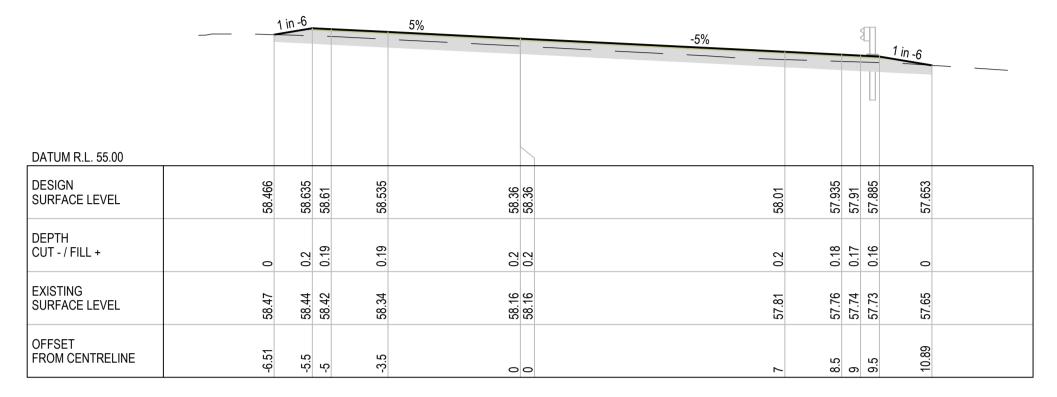
Project No.

Status

Project	YALWAL RD - GEORGE EVANS RD
	INTERSECTION

Client SHOALHAVEN CITY COUNCIL

Drawing Title CROSS SECTIONS SHEET 2 OF 5



		1 in -6	-		5%			~	1	in -6	
DATUM R.L. 56.00											
DESIGN SURFACE LEVEL	59.046	59.245	59.22	59.145	58.97	58.62	58.545	58.52	58.495	58.385	
DEPTH CUT - / FILL +	0	0.23	0.23	0.22	0.19	0.1	0.09	60.0	0.08	0	
EXISTING SURFACE LEVEL	59.05	59.01	58.99	58.92	58.78	58.51	58.45	58.43	58.41	58.38	
OFFSET FROM CENTRELINE	-6.69	-5.5	-5	-3.5	0	7	8.5	6	9.5	10.16	

CH 300

			5% 		
DATUM DI 57.00					
DATUM R.L. 57.00  DESIGN SURFACE LEVEL	59.82	59.745	59.57	59.57	59.22 59.145 59.12 59.095 59.084
DEPTH CUT - / FILL +	0.24	0.22	0.17	0.17	0.05
EXISTING SURFACE LEVEL	59.58	59.52	59.4	59.4	59.15 59.08 59.08 59.08
OFFSET FROM CENTRELINE	-5	-3.5	0	0	7 8.5 9.5 9.57

CH 280

		1 in -6		5%	3%	-5%		1	1 :
									1 in -6
DATUM R.L. 53.00									
DESIGN SURFACE LEVEL	55.283	56.128	56.103	55.853	55.75	55.575	55.5	55.475	54.637
DEPTH CUT - / FILL +	0	0.21	0.19	5 00	1.0	0.26	0.31	0.34	
EXISTING SURFACE LEVEL	55.28	55.92	55.91	55.75	35.75 55.55	55.32	55.19	55.14 55.08	54.64
OFFSET FROM CENTRELINE	-10.57	-5.5	ئ ب		3 44	.96.94 14.00	8.44	8.94	14.31
					CH 380			•	

DATUM R.L. 54.00 DESIGN SURFACE LEVEL 56.812 56.422 56.397 56.372 DEPTH CUT - / FILL + 0.23 0.24 0.28 **EXISTING** 56.93 56.92 56.92 56.71 56.71 56.19 56.16 56.09 SURFACE LEVEL OFFSET FROM CENTRELINE -6.43 -5.5 -5

CH 360

DATUM R.L. 55.00 DESIGN SURFACE LEVEL 57.83 57.922 57.897 DEPTH CUT - / FILL + 0.21 EXISTING SURFACE LEVEL 57.83 57.81 57.79 57.01 56.98 56.95 OFFSET FROM CENTRELINE -6.06 -5.5 -5 CH 340

YALWAL ROAD CROSS SECTIONS SCALE 1:100

SCALE 1:100 AT ORIGINAL SIZE





www.ghd.com

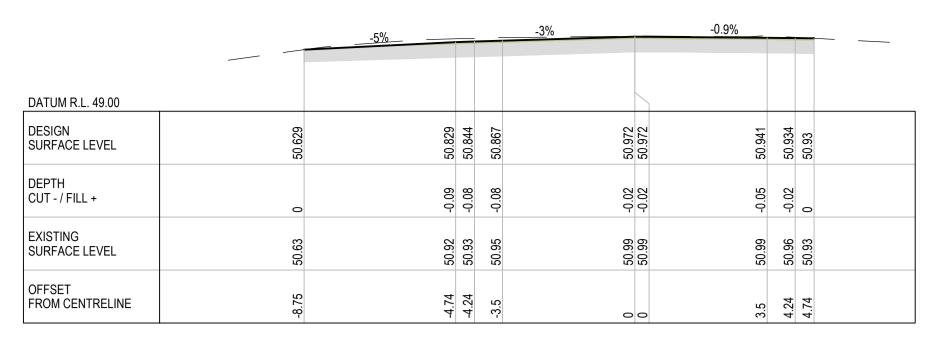
SHOALHAVEN CITY COUNG	CIL
Project YALWAL RD - GEORGE EVANUE INTERSECTION	ANS RD
Project No.	04-

Drawing Title CROSS SECTIONS SHEET 3 OF 5

Status Code

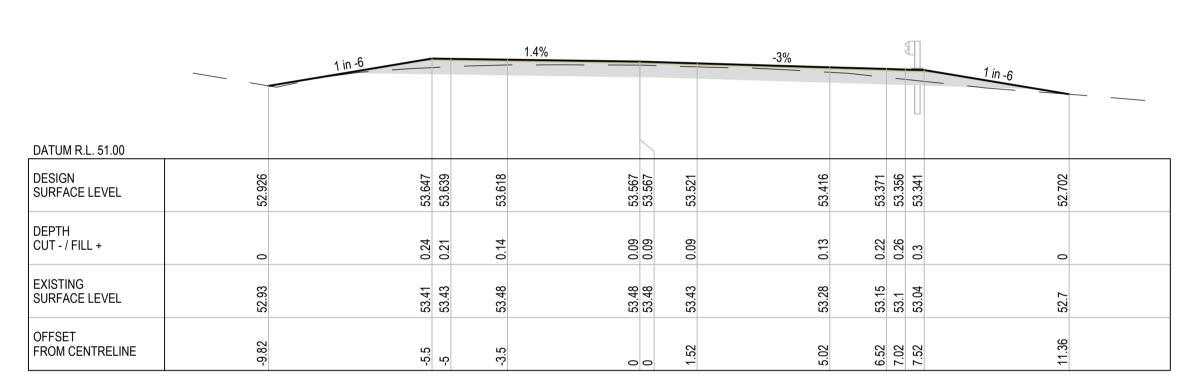
A CONCEPT ISSUE 04.07.2020 Checked Approved Date Rev Description **Drafting Check** Author M.RUSCICA **Designer** M.RUSCICA Design Check



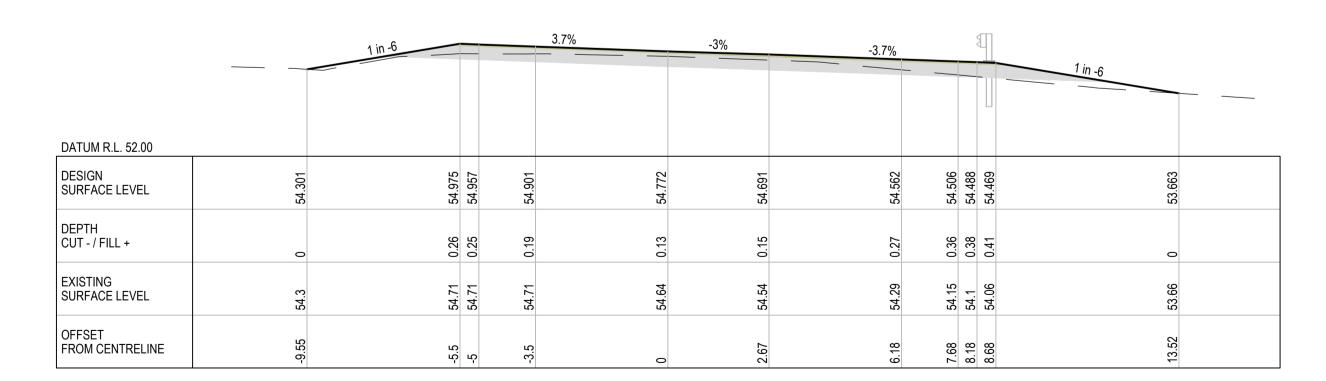


	_ 1	in -6			-0.8%			-3%			1		
							Γ						
DATUM R.L. 50.00													)
DESIGN SURFACE LEVEL	52.099	52.228	52.232	52.244	69 979	52.212	52.261	52.155	52.11	52.095	52 08	52.051	
DEPTH CUT - / FILL +	0	0.07	0.04	0.02	Š	0.03	0.03	-0.02	٩	0	0.00	0.05	
EXISTING SURFACE LEVEL	52.1	52.16	52.19	52.23	K2 02	52.24	52.23	52.18	52.11	52.09	52 06	52.05	
OFFSET FROM CENTRELINE	-6.27	-5.5	-5	-3.5	c		0.37	3.87	5.37	5.87	6.37	6.55	

CH 440

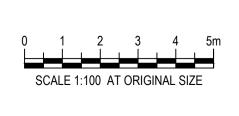


CH 420



# YALWAL ROAD CROSS SECTIONS SCALE 1:100

A CONCEPT ISSUE 04.07.2020 Rev Description Checked Approved Date **Drafting Check** Author M.RUSCICA **Designer** M.RUSCICA Design Check







Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.



Project No.

Project	YALWAL RD - GEORGE EVANS RD
,	TALVVAL RD - GEORGE EVANS RD
	INTERSECTION

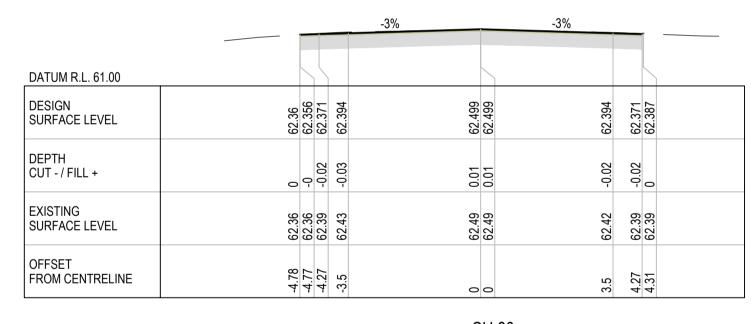
Client SHOALHAVEN CITY COUNCIL

Drawing Title SHEET 4 OF 5

Status Code

CROSS SECTIONS

CH 400

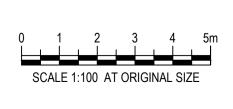


	-3%			-3%	-3.6%		-3%	· .				
DATUM R.L. 60.00												
DESIGN SURFACE LEVEL	61.809	01.80 		62.011	62.011	61.852	20 706	61.763	61.703	61.688	61.702	
DEPTH CUT - / FILL +	0.03	70.0	-	90.0	90.0	0.03	ç	-0.01	-0.02	-0.01	0	
EXISTING SURFACE LEVEL	61.81	6. 24 4. 08		61.95	61.95	61.82	24 77	61.77	61.72	61.7	61.7	
OFFSET FROM CENTRELINE	-5.72	ن بر		0	0	5.32	9	7.95	6.95	10.45	10.48	

CH 60

# GEORGE EVANS ROAD CROSS SECTIONS

A CONCEPT ISSUE 04.07.2020 Rev Description Checked Approved Date **Author** M.RUSCICA **Drafting Check Designer** M.RUSCICA Design Check









Project YALWAL RD - GEORGE EVANS RD INTERSECTION Project No.

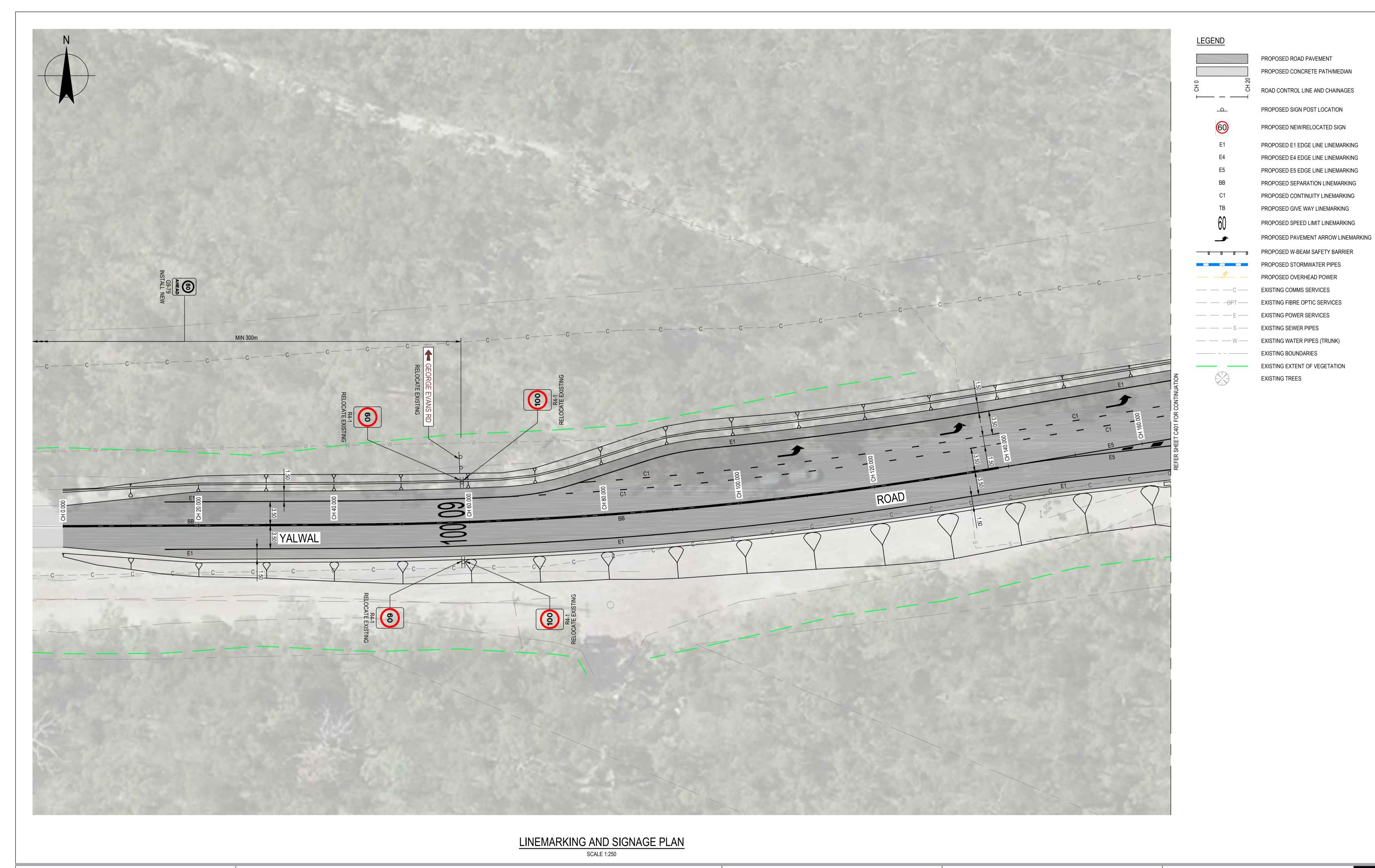
Status

Client SHOALHAVEN CITY COUNCIL

Drawing Title CROSS SECTIONS SHEET 5 OF 5

Status Code

File Name: C:\12d\SW\data\P-00-12D-001\23-12566381 - Yalwal Road\_1692\CADD\Drawings\10 - George Evans Intersection\12566381-10-C304.dwg



A CONCEPT ISSUE

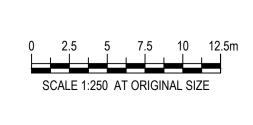
Rev Description

A.C. 04.07.2020

Checked Approved Date

Author M.RUSCICA Drafting Check

Designer M.RUSCICA Design Check







Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.



Project No.

Project No.

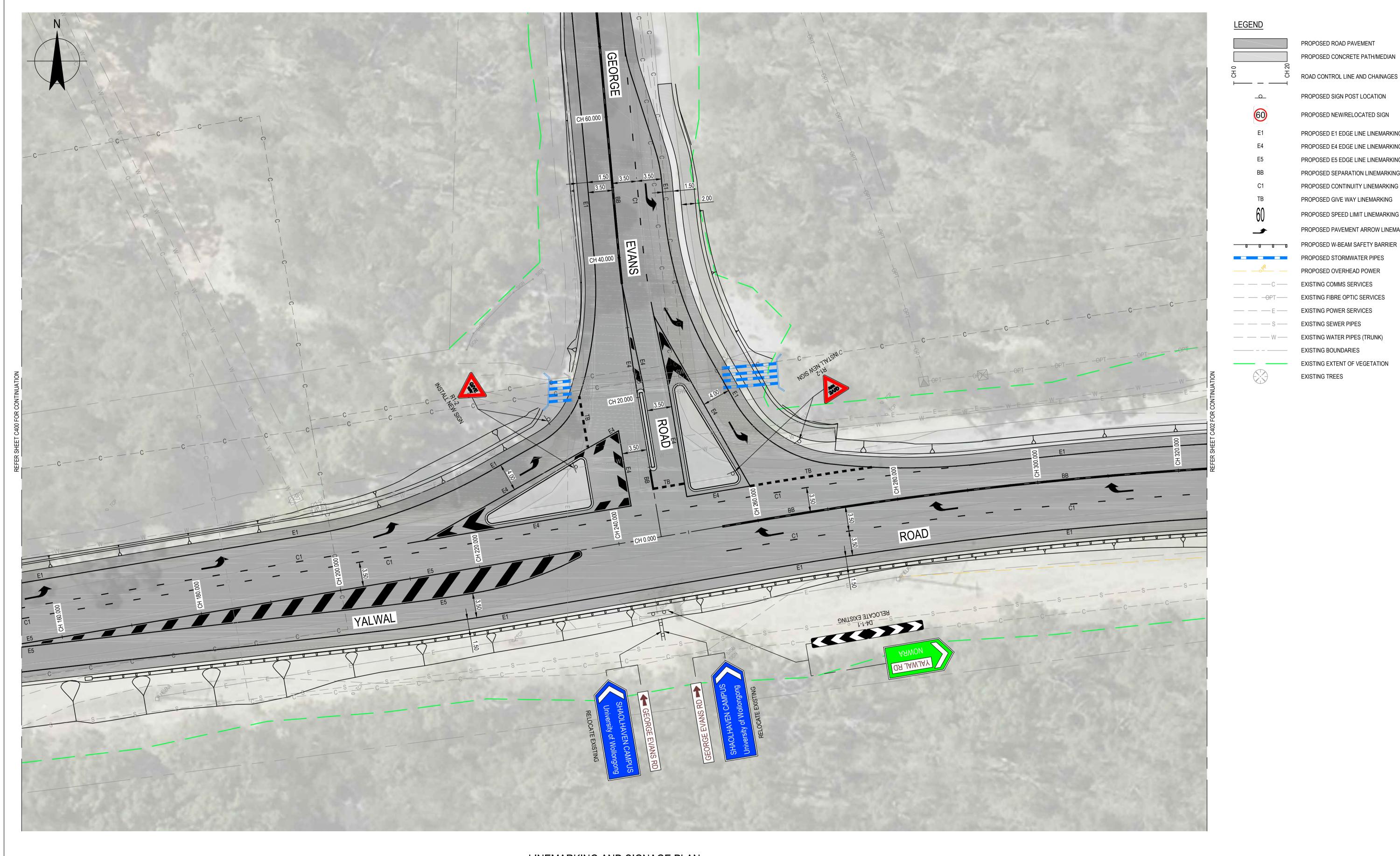
Project No.

Project No.

Client SHOALHAVEN CITY COUNCIL

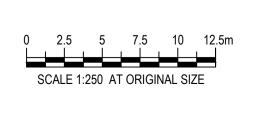
LINEMARKING & SIGNAGE PLAN
SHEET 1 OF 3

Status Code Drawing No. 12566381-10-C400



LINEMARKING AND SIGNAGE PLAN SCALE 1:250

A CONCEPT ISSUE 04.07.2020 Checked Approved Date Rev Description Author M.RUSCICA Drafting Check







Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.



Project YALWAL RD - GEORGE EVANS RD INTERSECTION Project No.

Client SHOALHAVEN CITY COUNCIL

Status Code

Drawing Title LINEMARKING & SIGNAGE PLAN SHEET 2 OF 3

PROPOSED ROAD PAVEMENT

PROPOSED CONCRETE PATH/MEDIAN

ROAD CONTROL LINE AND CHAINAGES

PROPOSED SIGN POST LOCATION

PROPOSED NEW/RELOCATED SIGN

PROPOSED E1 EDGE LINE LINEMARKING

PROPOSED E4 EDGE LINE LINEMARKING

PROPOSED E5 EDGE LINE LINEMARKING

PROPOSED SEPARATION LINEMARKING

PROPOSED CONTINUITY LINEMARKING

PROPOSED SPEED LIMIT LINEMARKING

PROPOSED PAVEMENT ARROW LINEMARKING

PROPOSED GIVE WAY LINEMARKING

PROPOSED STORMWATER PIPES

PROPOSED OVERHEAD POWER

EXISTING FIBRE OPTIC SERVICES

EXISTING COMMS SERVICES

EXISTING POWER SERVICES

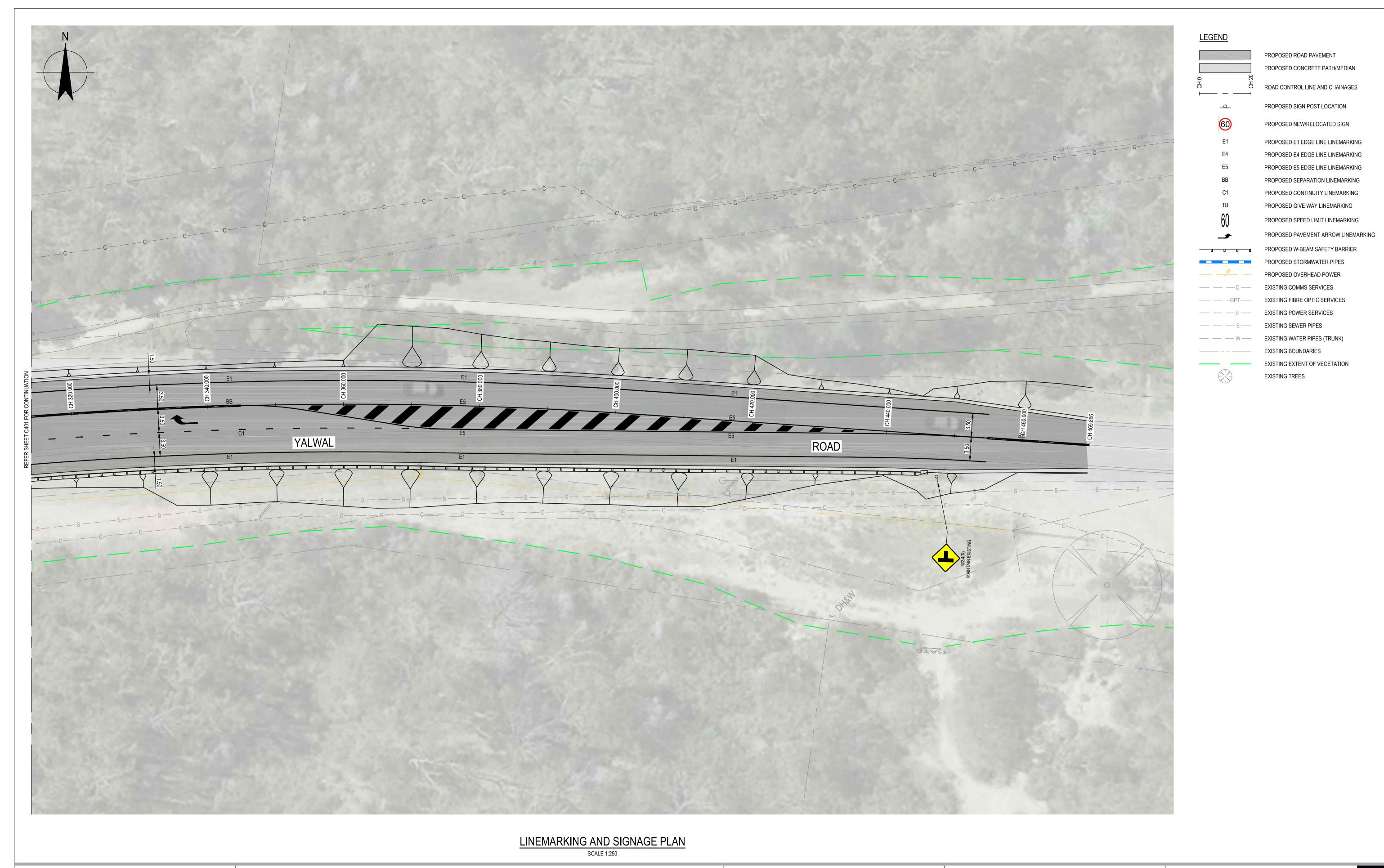
EXISTING WATER PIPES (TRUNK)

EXISTING EXTENT OF VEGETATION

EXISTING SEWER PIPES

**EXISTING BOUNDARIES** 

EXISTING TREES



A CONCEPT ISSUE

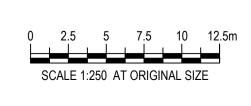
Rev Description

A.C. 04.07.2020

Checked Approved Date

Author M.RUSCICA Drafting Check

Designer M.RUSCICA Design Check







Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.



Project No.

Project No.

Project No.

Client SHOALHAVEN CITY COUNCIL

Status Code Drawing Title

LINEMARKING & SIGNAGE PLAN

SHEET 3 OF 3

Drawing No.