

PROPOSED SHARED USER PATH MURRAMARANG ROAD, BAWLEY POINT BAWLEY POINT TO KIOLOA - STAGE 1



LOCALITY PLAN
NOT TO SCALE

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ISSUE	DESCRIPTION	DATE
B	RE-ISSUED FOR CONSTRUCTION	18/10/21
A	ISSUED FOR CONSTRUCTION	24/09/21

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SCALES: ORIGINAL

N.T.S. A1

CLIENT: Shoalhaven City Council

SURVEYOR: SCC
 DATUM: AHD
 AZIMUTH: MGA
 DRAWN: AB
 DESIGNED: AB
 DESIGNED DATE: AUG 2021
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a. 15 meehan drive
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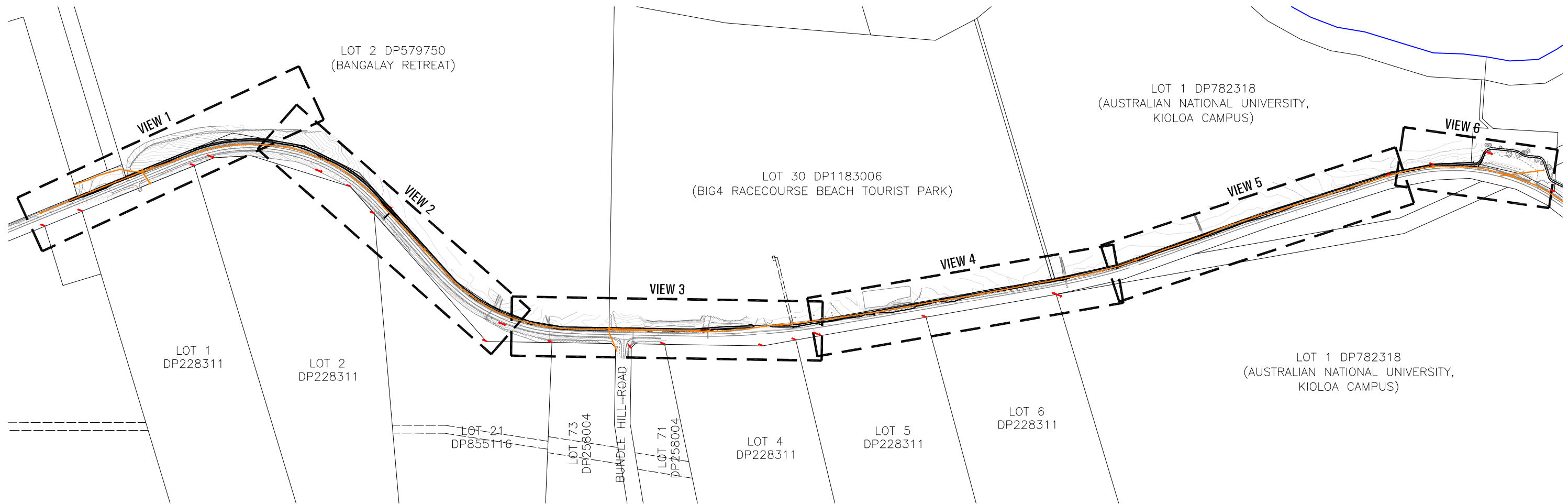
MURRAMARANG ROAD, BAWLEY POINT
 PROPOSED SHARED USER PATH
 BAWLEY POINT TO KIOLOA
 TITLE SHEET

PLAN REFERENCE
5515.01

DRAWING NO.
2062-C01

ISSUE.
B

SHEET 1 OF 26



GENERAL ARRANGEMENT PLAN

SCALE 1:2,500 @ A1, 1:5,000 @ A3

50 25 0 50 100 1:2,500

Original sheet size A1



GENERAL NOTES:

1. READ THESE NOTES IN CONJUNCTION WITH OTHER ENGINEERING DRAWINGS AND SPECIFICATIONS, AND WITH SUCH OTHER WRITTEN INSTRUCTIONS ISSUED. REFER TO CIVIL DRAWINGS FOR SETTING OUT AND DETAILED DIMENSIONS. REFER ANY DISCREPANCIES BETWEEN DOCUMENTATION TO SUPERINTENDENT BEFORE PROCEEDING WITH WORK.
2. SUBMIT DETAILS OF CHANGES TO SCOPE, WORK METHODS OR MATERIALS ETC FOR APPROVAL BEFORE PROCEEDING. APPROVAL DOES NOT AUTHORISE A VARIATION TO THE CONTRACT.
3. NOMINATION OF PROPRIETARY ITEMS DOES NOT INDICATE EXCLUSIVE PREFERENCE, BUT INDICATES REQUIRED PROPERTIES OF THE ITEM. SIMILAR ALTERNATIVES HAVING THE REQUIRED PROPERTIES MAY BE OFFERED FOR APPROVAL. APPROVAL DOES NOT AUTHORISE A VARIATION TO THE CONTRACT. INSTALL PROPRIETARY ITEMS IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS AND RECOMMENDATIONS.
4. DO NOT OBTAIN DIMENSIONS BY SCALING FROM DRAWING.
5. DIMENSIONS ARE IN METRES, LEVELS ARE IN METRES UNO, CHAINAGE ARE IN METRES UNO.
6. MAINTAIN STRUCTURES IN A STABLE CONDITION DURING CONSTRUCTION AND PROVIDE TEMPORARY BRACING AND/OR SUPPORT AS REQUIRED. PROVIDE SPREADERS AT LOADS AND/OR LIFTING POINTS WHERE REQUIRED. ENSURE NO PART IS OVERSTRESSED. DO NOT PLACE OR STORE BUILDING MATERIALS ON STRUCTURAL MEMBERS WITHOUT SUPERINTENDENTS APPROVAL. PROVIDE CALCULATIONS TO PROVE ADEQUACY OF STRUCTURE FOR PROPOSED CONSTRUCTION METHOD AND LOADS.
7. UNLESS NOTED OTHERWISE THESE DRAWING DO NOT DETAIL TEMPORARY WORKS. CONSTRUCTION METHODS AND TEMPORARY WORK ARE RESPONSIBILITY OF THE CONTRACTOR.
8. OBTAIN REQUIREMENTS FOR ADJOINING ELEMENTS TO BE FIXED TO OR SUPPORTED ON WORK AND PROVIDE FOR REQUIRED FIXINGS. DRAWINGS DO NOT SHOW DETAILS OF ALL FIXTURES, INSERTS, SLEEVES, RECESSES OR OPENINGS ETC REQUIRED. PROVIDE FOR TEMPORARY SUPPORT OF ADJOINING ELEMENTS DURING CONSTRUCTION.
9. WHERE NEW WORK ABUTS EXISTING PROVIDE SMOOTH TRANSITION FREE OF ABRUPT CHANGES.
10. BUILD FABRICATE AND PROCURE ONLY FROM DRAWING 'ISSUED FOR CONSTRUCTION'.

EXISTING FEATURES LEGEND

- EXISTING EDGE OF BITUMEN
- EXISTING LINEMARKING
- EXISTING FENCE
- EXISTING TOP OF BATTER
- EXISTING BOTTOM OF BATTER
- EXISTING SURFACE DRAIN
- EXISTING GRAVEL TRACK
- EXISTING CONTOURS (0.2m INTERVAL)
- EXISTING EDGE OF VEGETATION/BUSH LINE
- EXISTING TREE/TREE TO BE REMOVED

EXISTING SERVICES LEGEND

- EXISTING TELSTRA SERVICES
- EXISTING NBN SERVICES
- EXISTING OVERHEAD POWER
- EXISTING UNDERGROUND POWER
- EXISTING STORMWATER PIPE/CULVERT

PROPOSED FEATURES LEGEND

- PROPOSED CONCRETE PATH (2m WIDE)
- PROPOSED TRAFFICABLE PATH
- FUTURE PATH EXTENSION (STAGE 2)
- PROPOSED CONCRETE HOB/DROP EDGE BEAM TO PATH EDGE
- PROPOSED TOP OF BATTER
- PROPOSED BOTTOM OF BATTER
- PROPOSED STORMWATER PIPE/CULVERT EXTENSION
- DESIGN SURFACE CONTOURS (0.1m INTERVAL)



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SCALES	ORIGINAL
1:2,500	A1

CLIENT:

SURVEYOR:	SCC
DATUM:	AHD
AZIMUTH:	MGA
DRAWN:	AB
DESIGNED:	AB
DESIGNED DATE:	AUG 2021
CHECKED:	AB

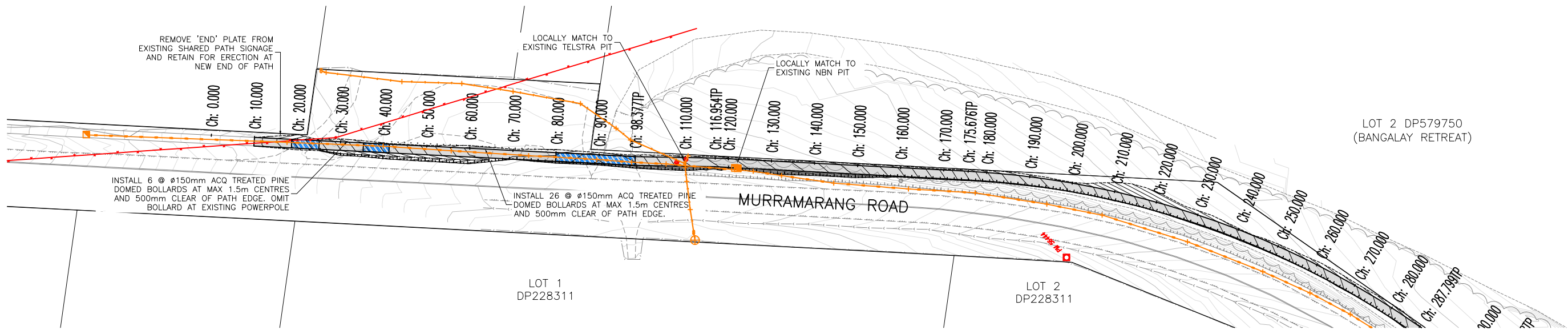
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MURRAMARANG ROAD, BAWLEY POINT

PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA
GENERAL ARRANGEMENT PLAN

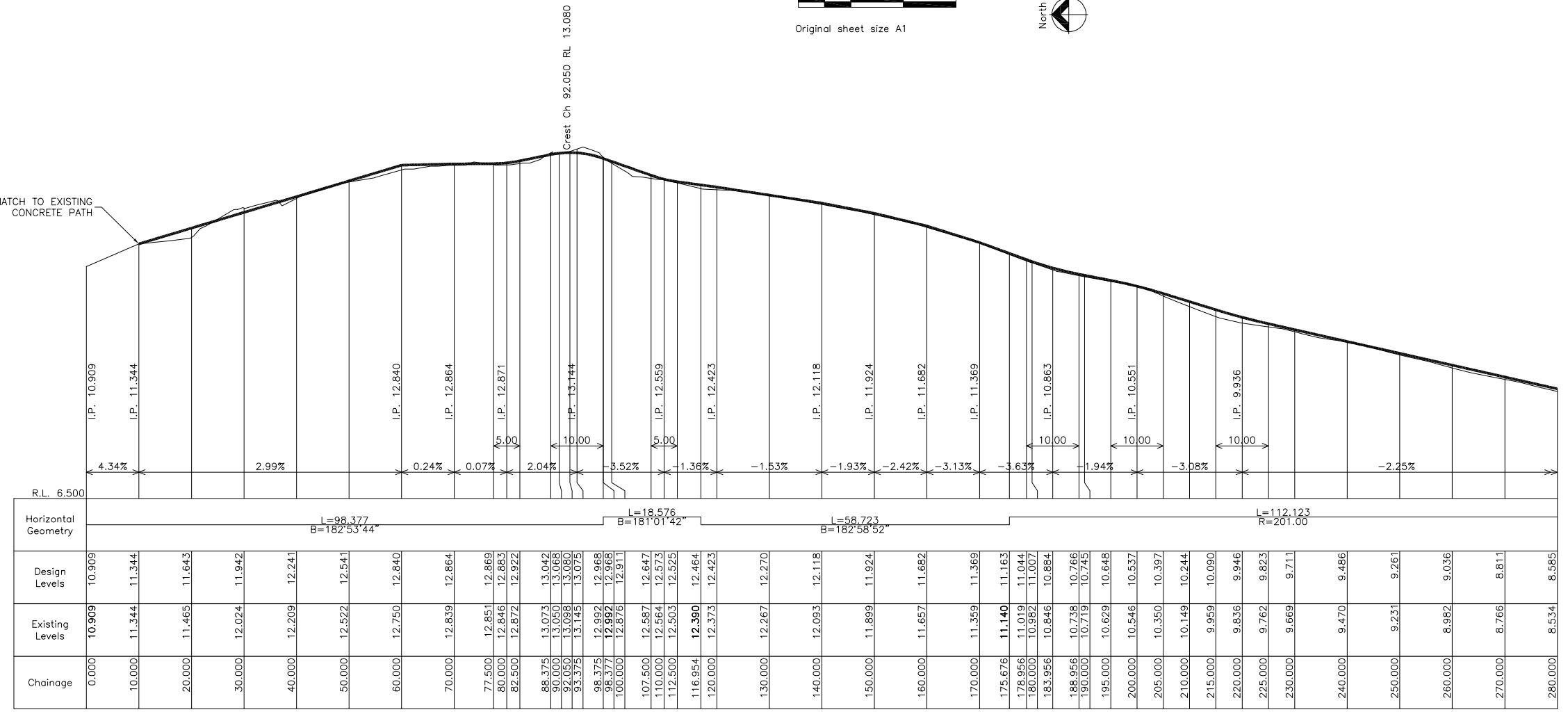
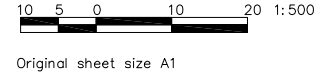
DRAWING NO.	2062-C02
ISSUE.	B
SHEET	2 OF 26

Shoalhaven City Council
PLAN REFERENCE
5515.02



NOTE: LOCALLY GRADE ALL EXISTING DRIVEWAYS EITHER SIDE OF PROPOSED SHARED USER PATH WITH MIN 100mm COMPACTED ROAD BASE TO PROVIDE SMOOTH TRANSITION TO EXISTING

VIEW 1
SCALE 1:500 @ A1
1:1,000 @ A3



EASTERN EDGE OF PATH LONGITUDINAL SECTION – VIEW 1
SCALES H 1:500 @ A1, 1:1,000 @ A3
V 1:50 @ A1, 1:100 @ A3

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SCALES ORIGINAL AS NOTED A1

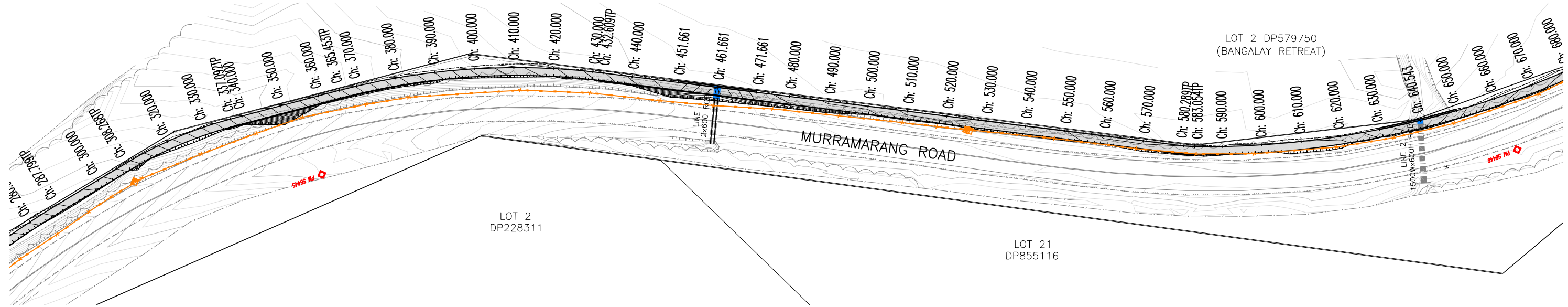
CLIENT: Shoalhaven City Council

SURVEYOR:	SCC
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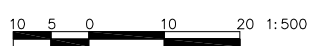
MURRAMARANG ROAD, BAWLEY POINT
PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA
PLAN AND LONGITUDINAL SECTION - VIEW 1

DRAWING NO. 2062-C03
ISSUE B
SHEET 3 OF 26
PLAN REFERENCE 5515.03

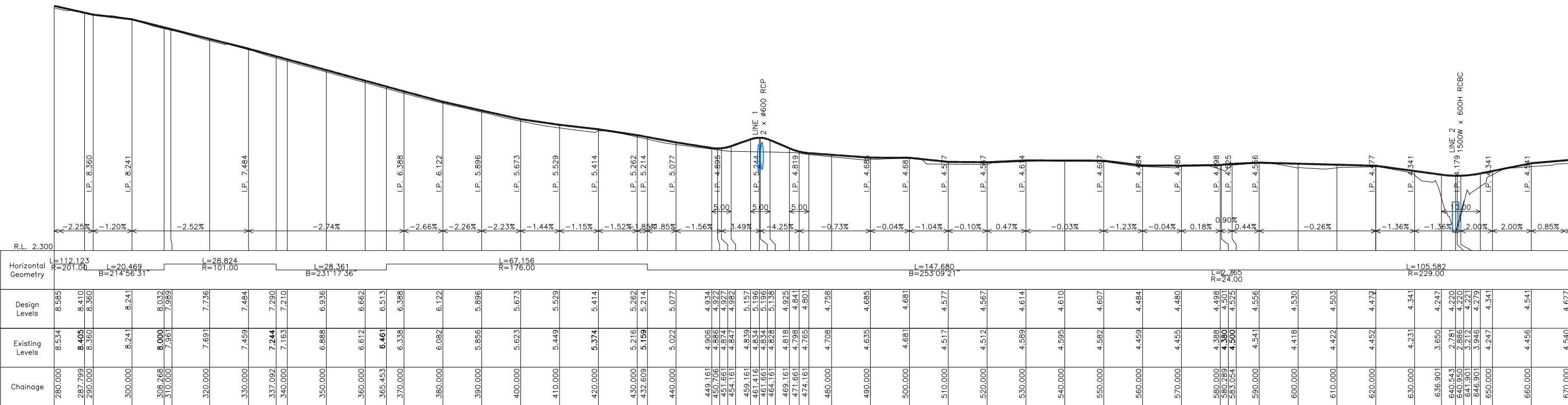


VIEW 2

SCALE 1:500 @ A1
1:1,000 @ A3



Original sheet size A1



EASTERN EDGE OF PATH LONGITUDINAL SECTION – VIEW 2

SCALES H 1:500 @ A1, 1:1,000 @ A3
V 1:50 @ A1, 1:100 @ A3

ISSUE	DESCRIPTION	DATE
B	RE-ISSUED FOR CONSTRUCTION	18/10/21
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SCALES ORIGINAL AS NOTED A1

CLIENT: Shoalhaven City Council

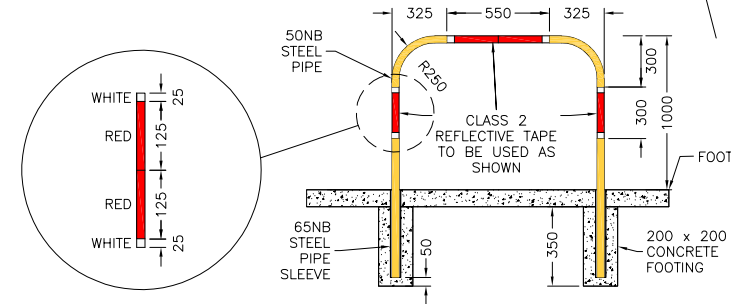
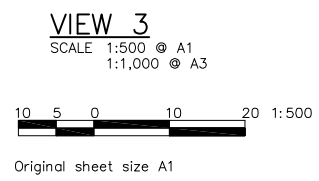
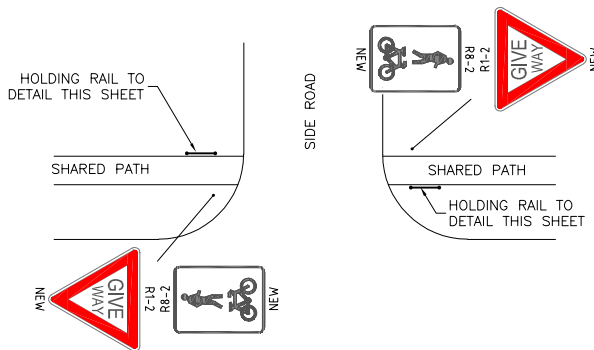
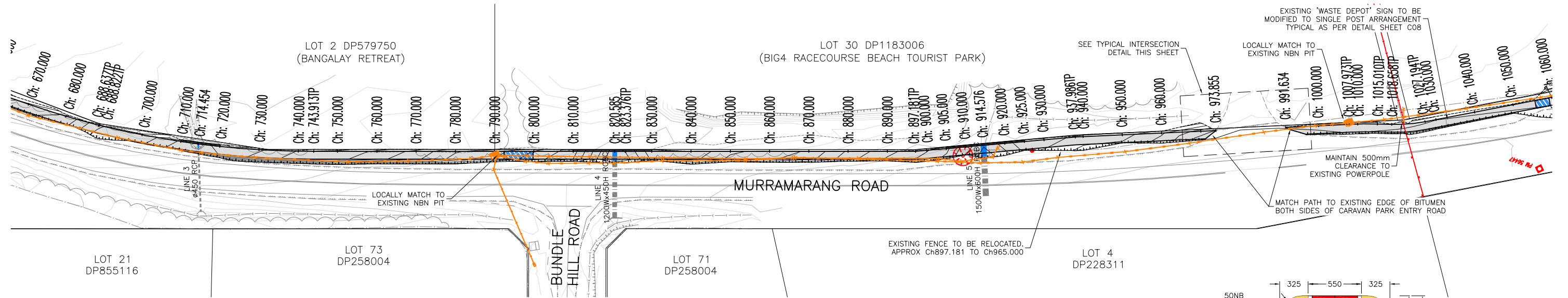
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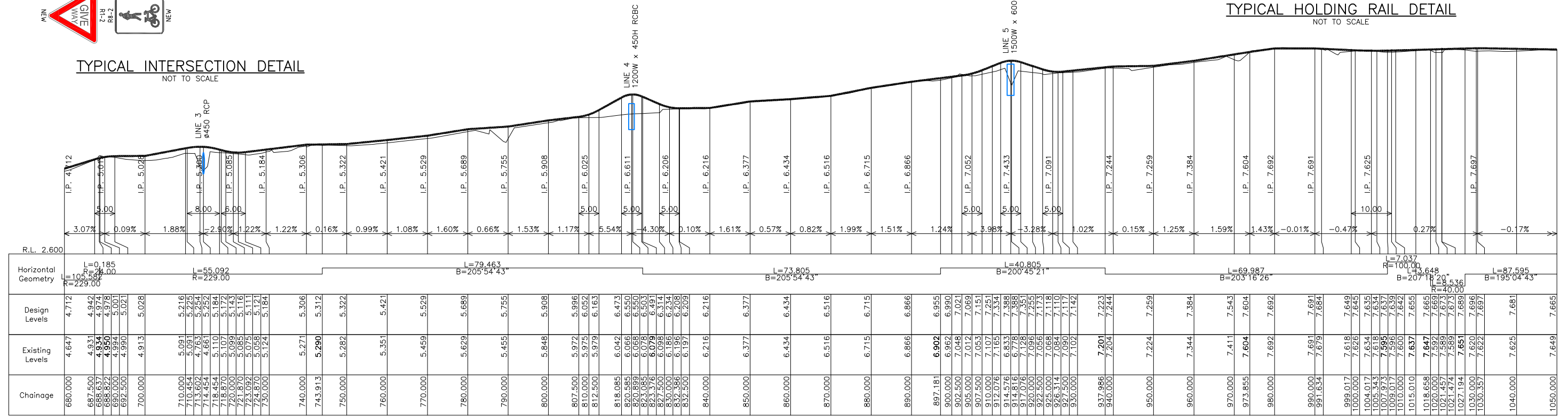
MURRAMARANG ROAD, BAWLEY POINT
PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA
PLAN AND LONGITUDNAL SECTION - VIEW 2

Shoalhaven City Council
PLAN REFERENCE 5515.04

DRAWING NO. 2062-C04
ISSUE B
SHEET 4 OF 26



TYPICAL INTERSECTION DETAIL
NOT TO SCALE



EASTERN EDGE OF PATH LONGITUDINAL SECTION - VIEW 3
 SCALES H 1:500 @ A1, 1:1,000 @ A3
 V 1:50 @ A1, 1:100 @ A3

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AS NOTED	A1	DATUM:	AHD
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		DESIGNED DATE:	AUG 2021
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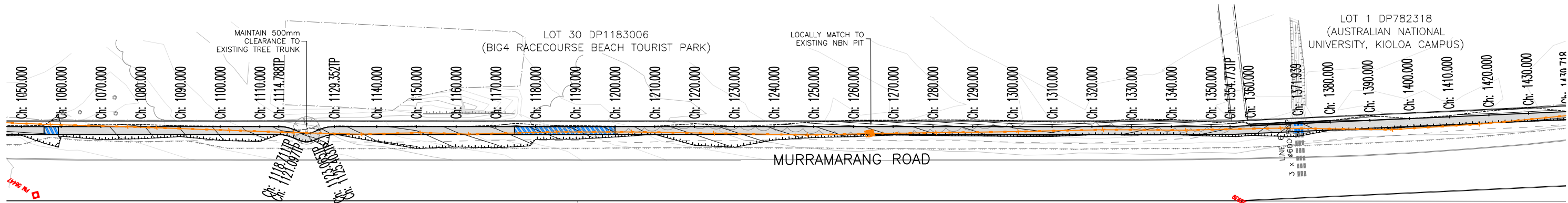
MURRAMARANG ROAD, BAWLEY POINT
 PROPOSED SHARED USER PATH
 BAWLEY POINT TO KIOLOA
 PLAN AND LONGITUDNAL SECTION - VIEW 3

Shoalhaven City Council
 PLAN REFERENCE
5515.05

DRAWING NO.
2062-C05

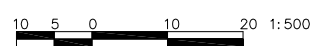
ISSUE.
B

SHEET 5 OF 26

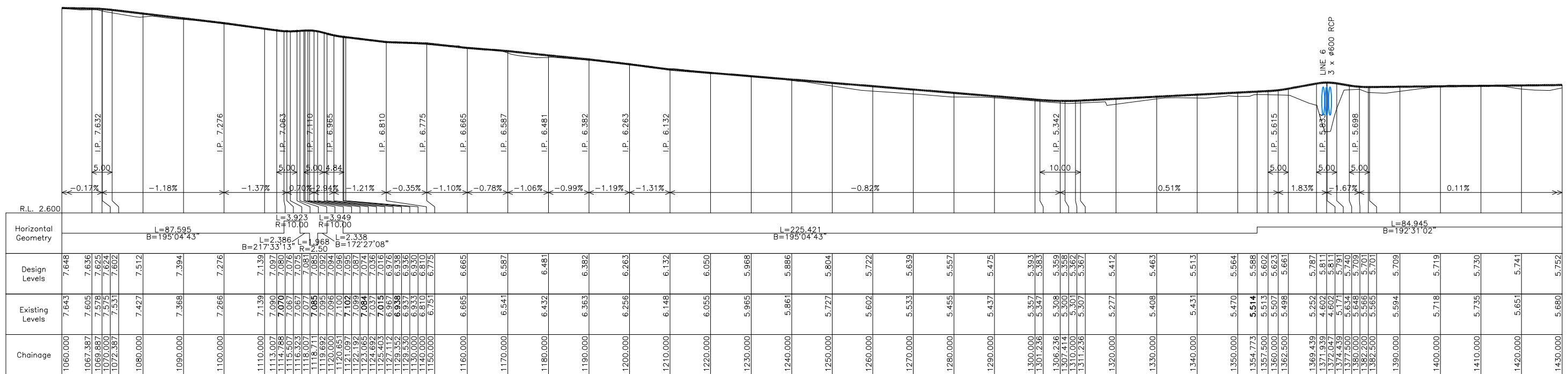


VIEW 4

SCALE 1:500 @ A1
1:1,000 @ A3



Original sheet size A1



EASTERN EDGE OF PATH LONGITUDINAL SECTION – VIEW 4

SCALES H 1:500 @ A1, 1:1,000 @ A3
V 1:50 @ A1, 1:100 @ A3

B	RE-ISSUED FOR CONSTRUCTION	18/10/21
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ISSUE	DESCRIPTION	DATE

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SCALES ORIGINAL

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CLIENT: Shoalhaven City Council

SURVEYOR:	SCC
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DESIGNED DATE:	AUG 2021
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MURRAMARANG ROAD, BAWLEY POINT

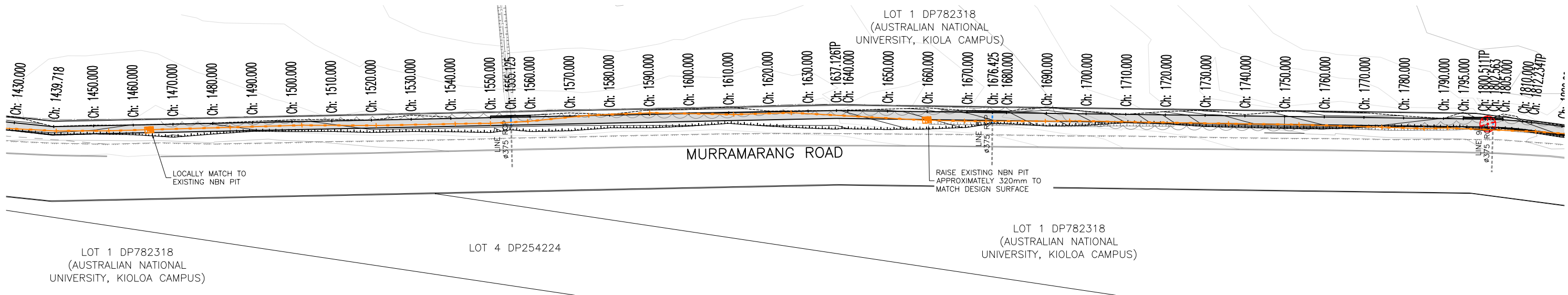
PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA
PLAN AND LONGITUDNAL SECTION - VIEW 4

PLAN REFERENCE
5515.06

DRAWING NO.
2062-C06

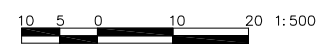
ISSUE.
B

SHEET 6 OF 26

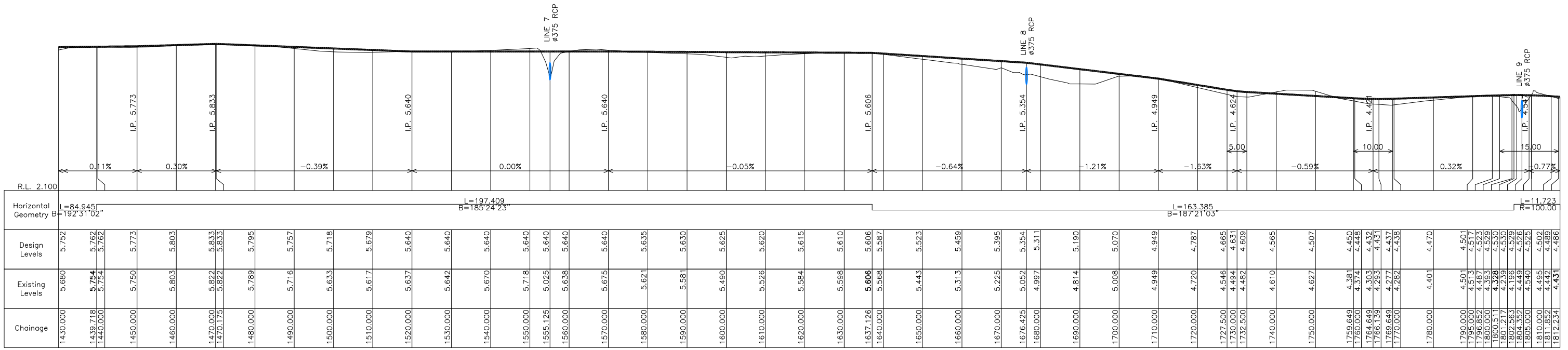


VIEW 5

SCALE 1:500 @ A1
1:1,000 @ A3



Original sheet size A1



EASTERN EDGE OF PATH LONGITUDINAL SECTION – VIEW 5

SCALES H 1:500 @ A1, 1:1,000 @ A3
V 1:50 @ A1, 1:100 @ A3

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SCALES AS NOTED ORIGINAL A1

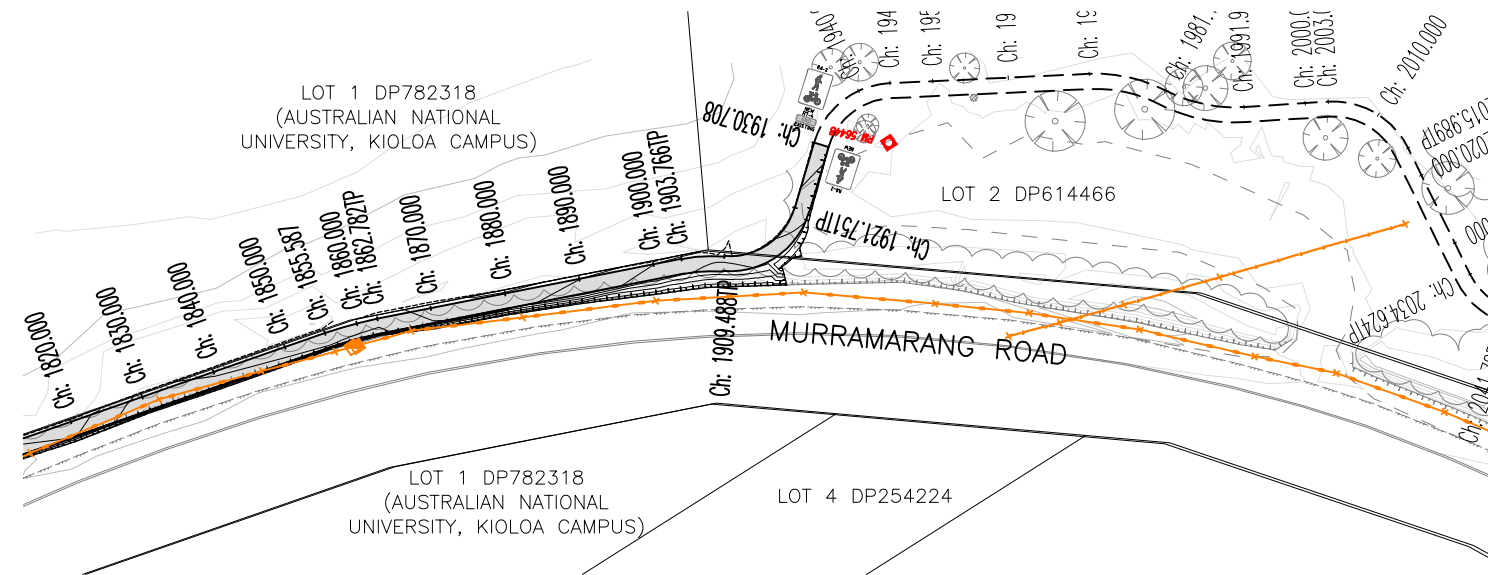
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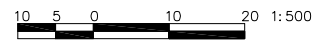
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MURRAMARANG ROAD, BAWLEY POINT
PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA
PLAN AND LONGITUDNAL SECTION - VIEW 5

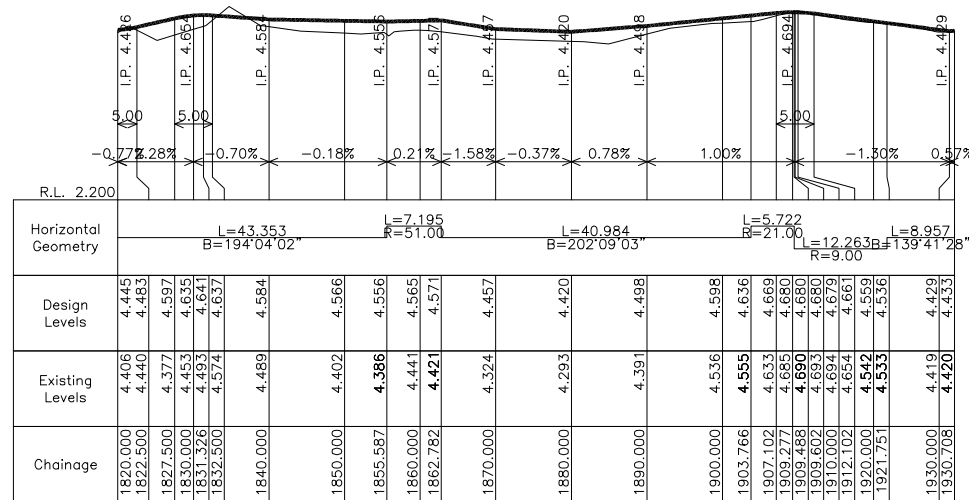
Shoalhaven City Council
DRAWING NO. 2062-C07
ISSUE B
SHEET 7 OF 26
PLAN REFERENCE 5515.07



VIEW 6
SCALE 1:500 @ A1
1:1,000 @ A3



Original sheet size A1



EASTERN EDGE OF PATH LONGITUDINAL SECTION - VIEW 6
SCALES H 1:500 @ A1, 1:1,000 @ A3
V 1:50 @ A1, 1:100 @ A3



POST SIZE AND FOOTING TO BE IN ACCORDANCE WITH RMS "INSTALLATION AND MAINTENANCE OF SIGNS" DOCUMENT, DECEMBER 2010.

TYPICAL SINGLE POST SUPPORT TREATMENT FOR LARGER SIGNS

N.T.S

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SCALES ORIGINAL
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CLIENT:
Shoalhaven City Council

SURVEYOR: SCC
DATUM: AHD
AZIMUTH: MGA
DRAWN: AB
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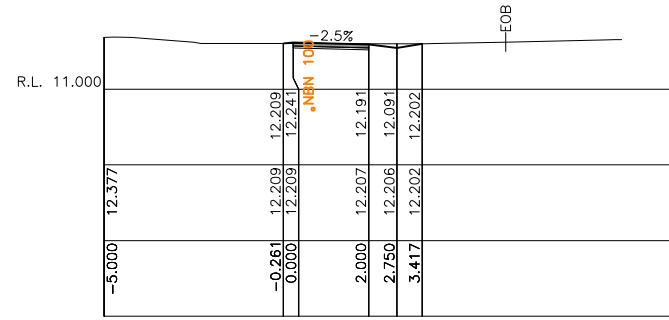
MURRAMARANG ROAD, BAWLEY POINT
PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA
PLAN AND LONGITUDNAL SECTION - VIEW 6

DRAWING NO.
2062-C08

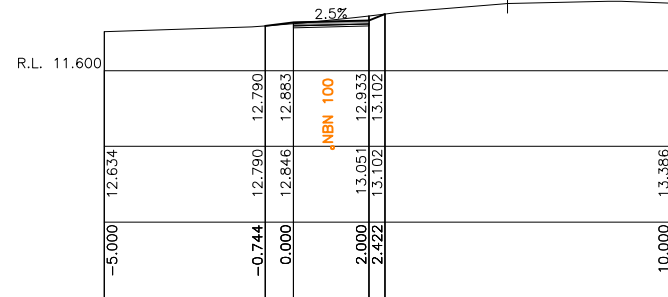
ISSUE.
B

SHEET 8 OF 26

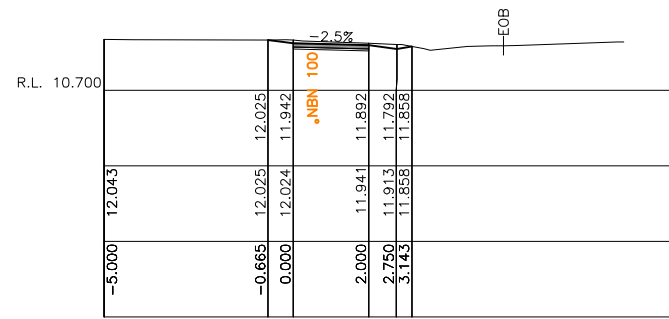
PLAN REFERENCE
5515.08



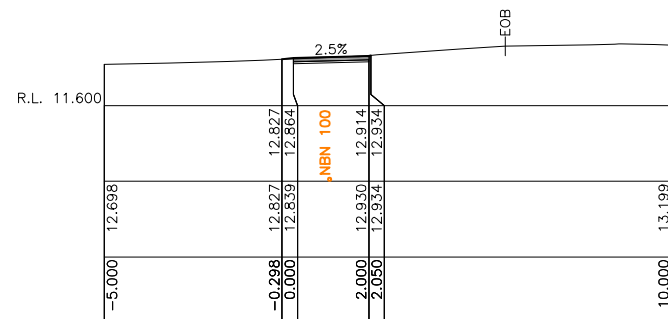
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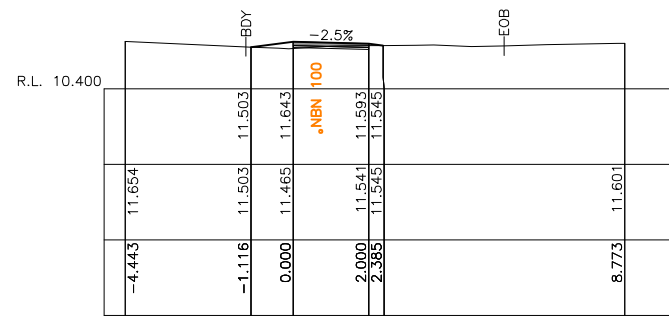
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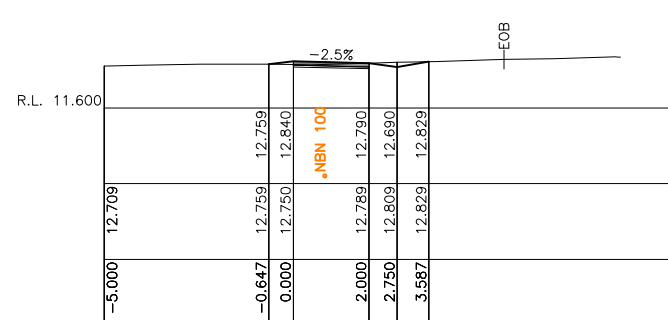
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Ch 70.000



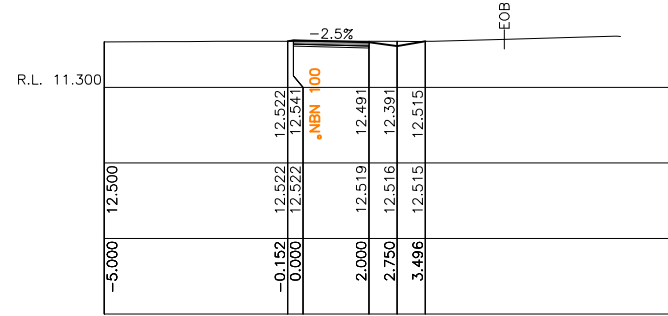
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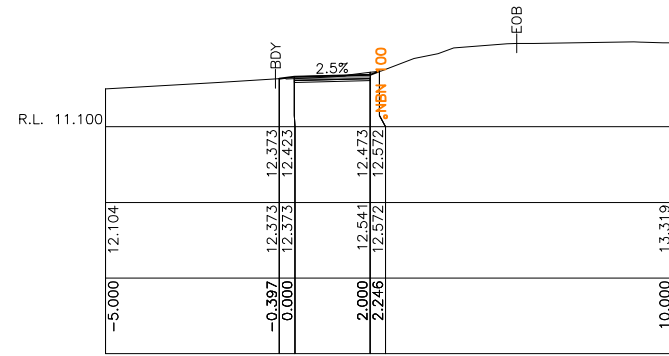
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R.L. 10.100					
Design Surface					
Existing Surface					
Offset					

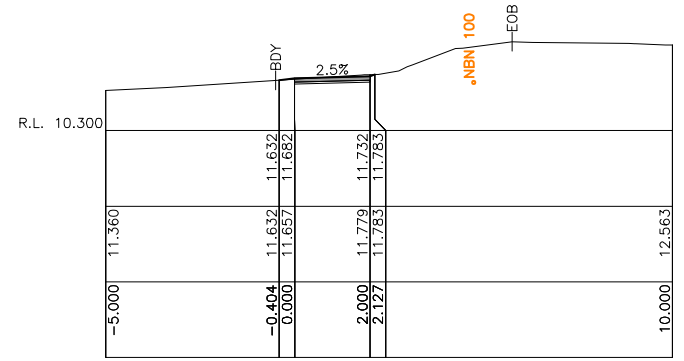
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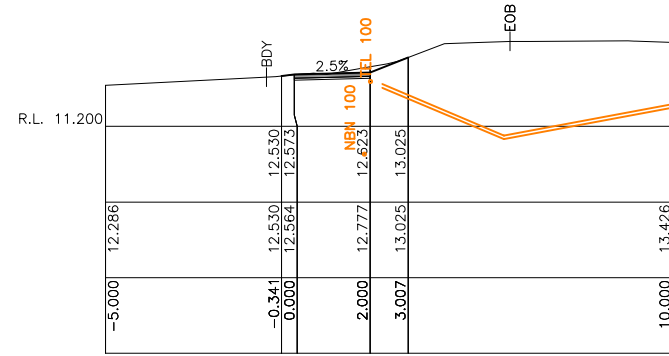
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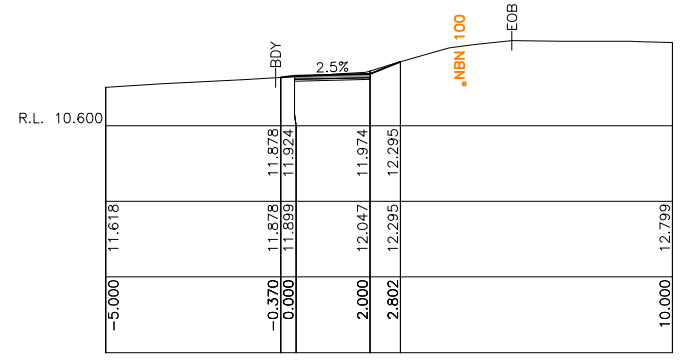
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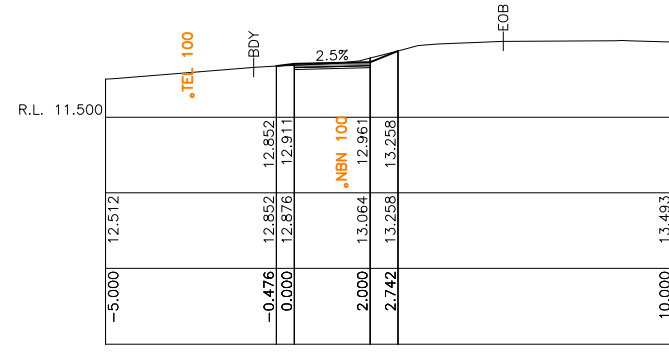
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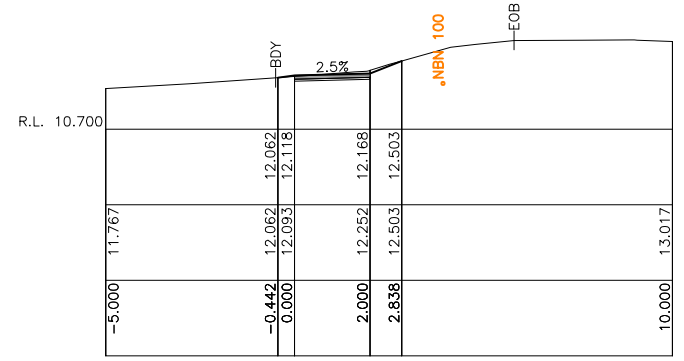
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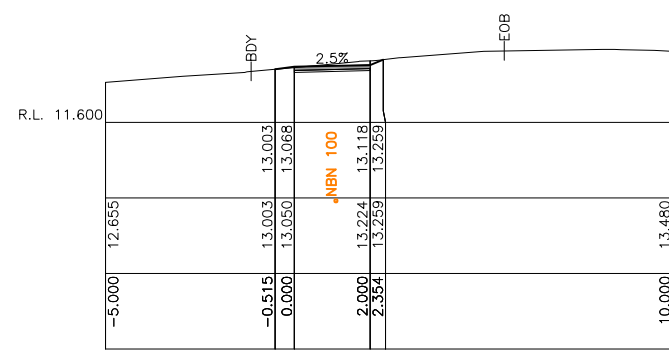
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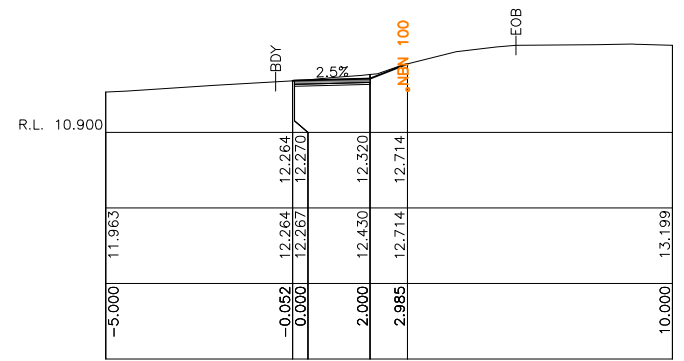
Ch 100.000



Ch 140.000



Ch 90.000



Ch 130.000

BDY - EXISTING ROAD/PROPERTY BOUNDARY
EOB - EXISTING EDGE OF BITUMEN

ISSUED FOR CONSTRUCTION

SCALES ORIGINAL

1:100 A1

CLIENT: Shoalhaven City Council

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DATUM: AHD
AZIMUTH: MGA
DRAWN: AB
DESIGNED: AB
DESIGNED DATE: AUG 2021
CHECKED: AB

footprint sustainable engineering
a. 15 meehan drive
kiama downs nsw 2533
p. 02 4237 6770
m. 0430 421 661

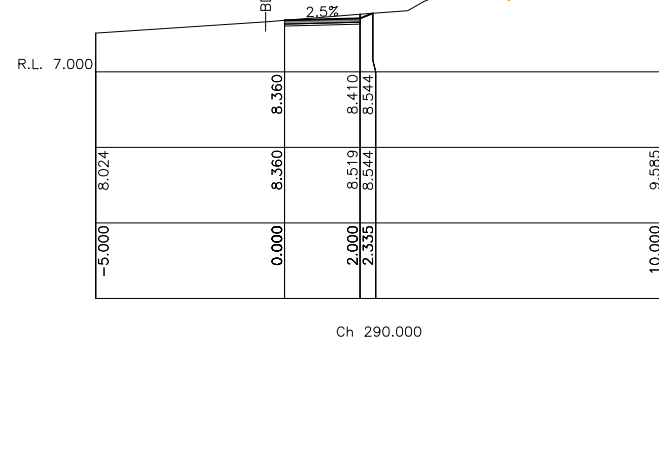
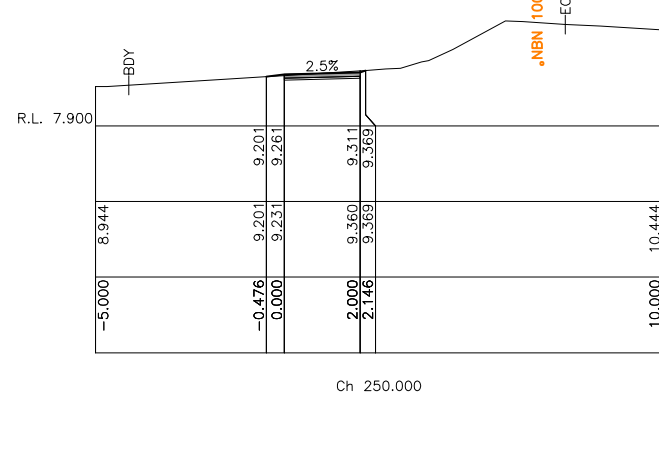
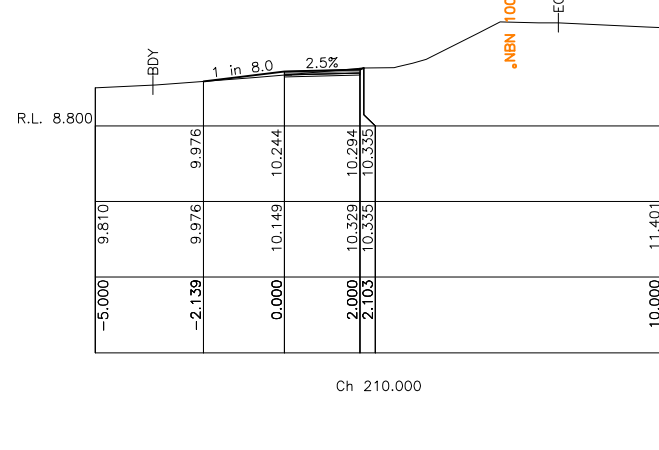
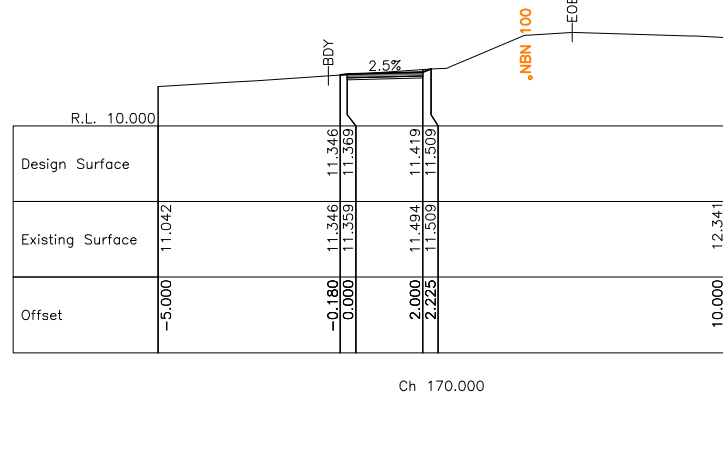
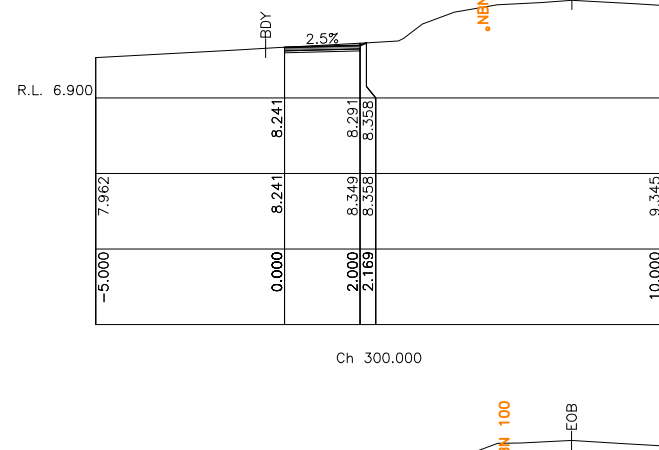
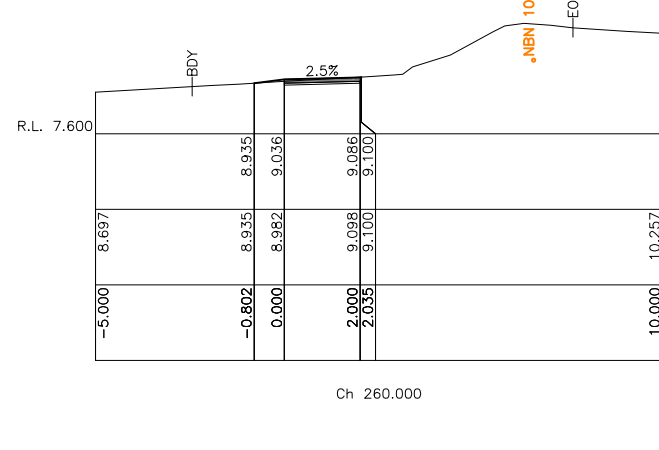
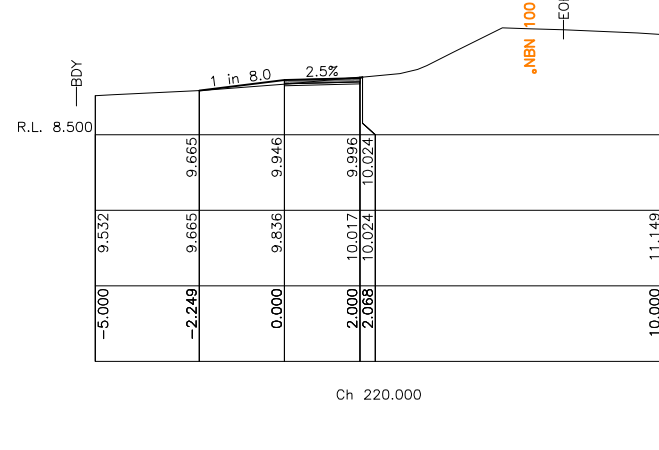
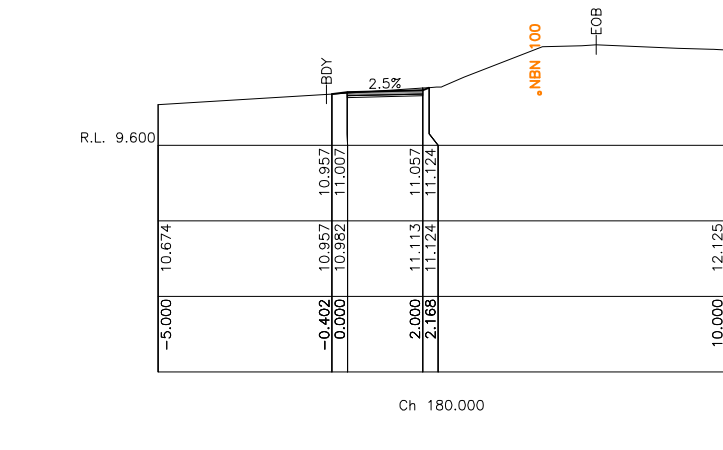
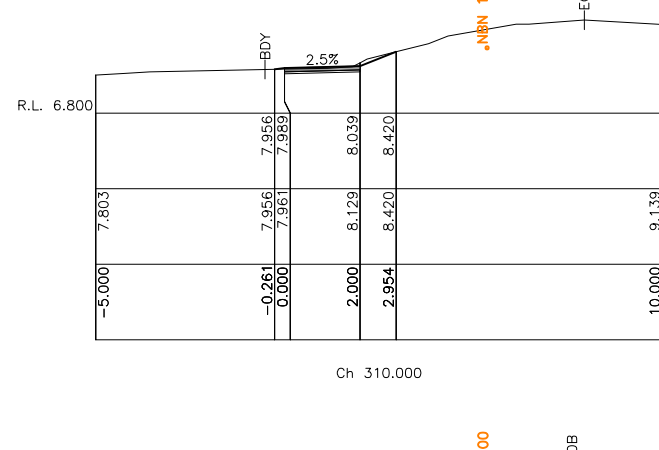
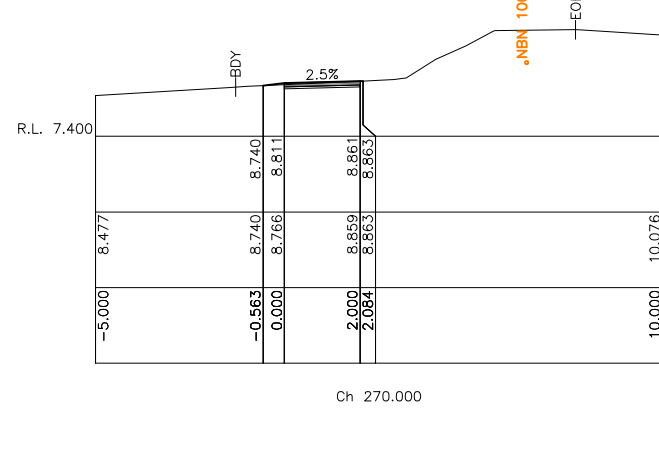
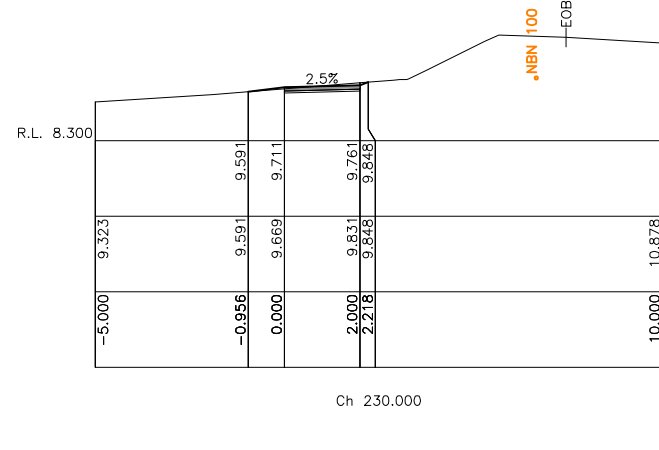
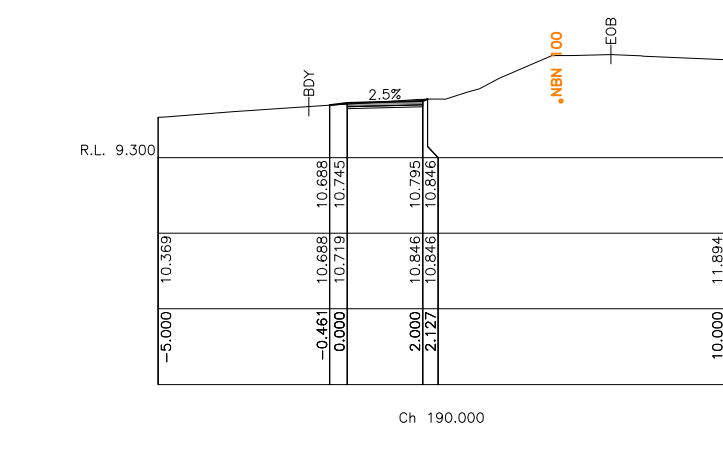
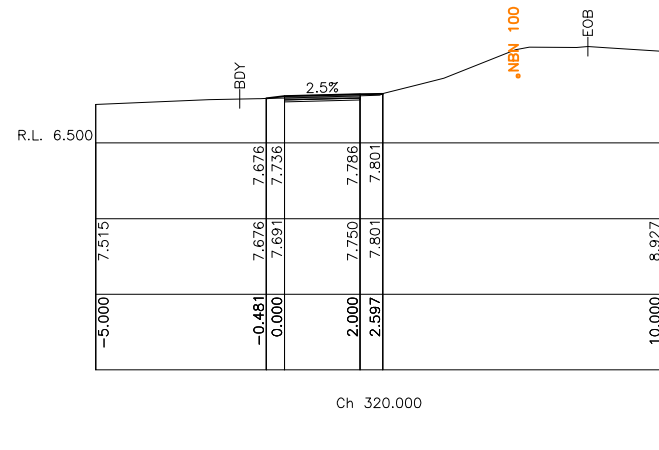
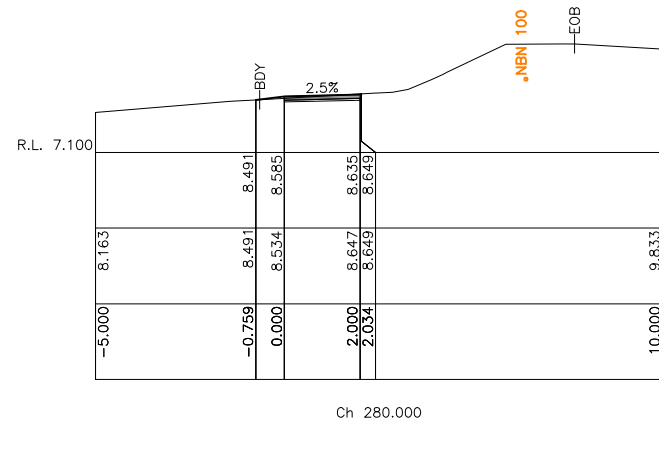
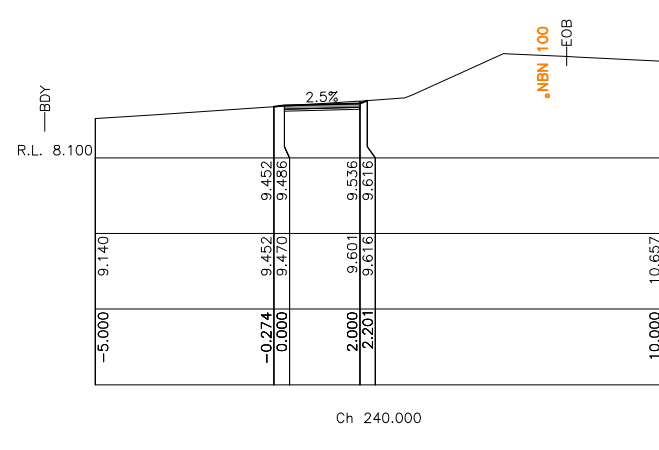
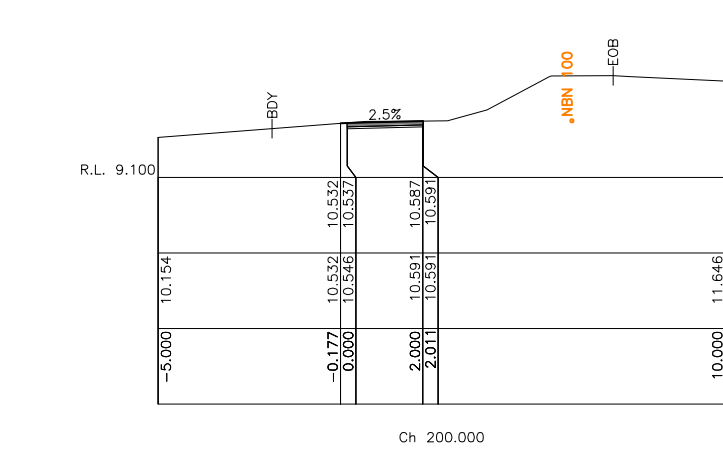
MURRAMARANG ROAD, BAWLEY POINT
PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA
PATH CROSS SECTIONS - SHEET 1 OF 13

Shoalhaven City Council
PLAN REFERENCE
5515.09

DRAWING NO. 2062-C09
ISSUE. B
SHEET 9 OF 26

B	RE-ISSUED FOR CONSTRUCTION	18/10/21
A	ISSUED FOR CONSTRUCTION	24/09/21
ISSUE	DESCRIPTION	DATE

FOOTPRINT (NSW) PTY. LTD. AUTHORISE THE USE OF THIS DRAWING ONLY FOR THE PURPOSE DEMONSTRATED BY THE STATUS STAMP SHOWN ABOVE.



BDY - EXISTING ROAD/PROPERTY BOUNDARY
EOB - EXISTING EDGE OF BITUMEN

B	RE-ISSUED FOR CONSTRUCTION	18/10/21
A	ISSUED FOR CONSTRUCTION	24/09/21
ISSUE	DESCRIPTION	DATE

ISSUED FOR CONSTRUCTION

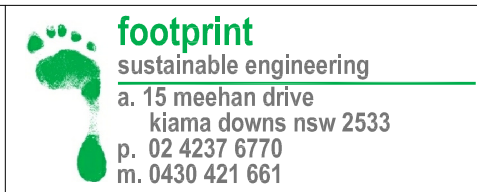
FOOTPRINT (NSW) PTY. LTD. AUTHORISE THE USE OF THIS DRAWING ONLY FOR THE PURPOSE DEMONSTRATED BY THE STATUS STAMP SHOWN ABOVE.

SCALES ORIGINAL

1:100 A1

CLIENT: Shoalhaven City Council

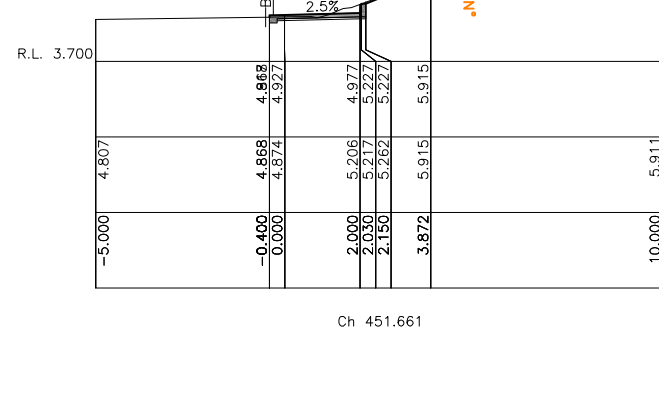
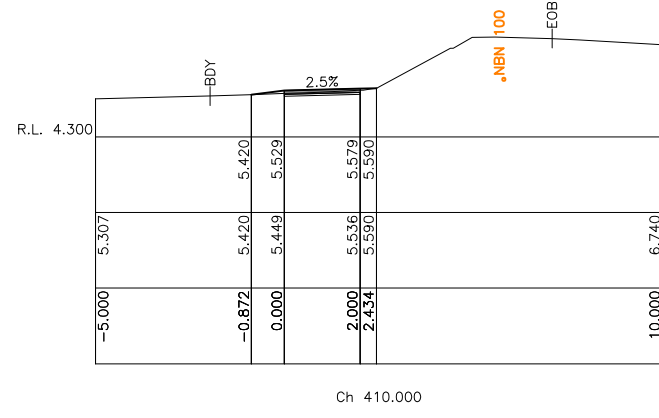
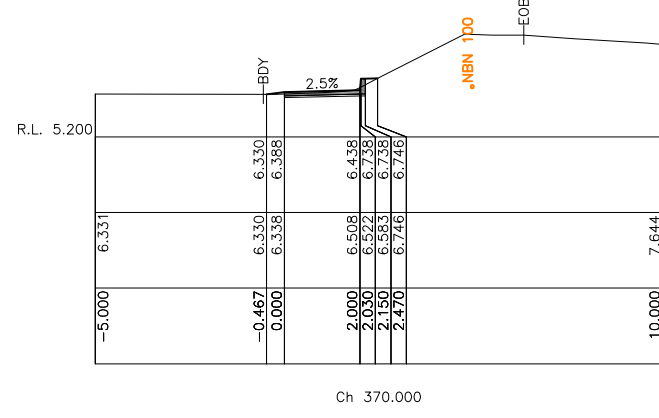
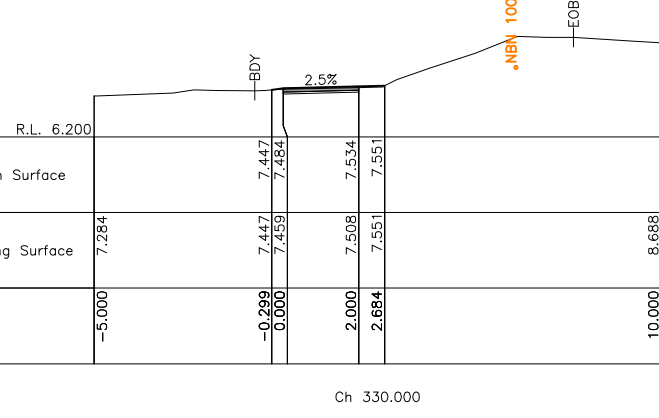
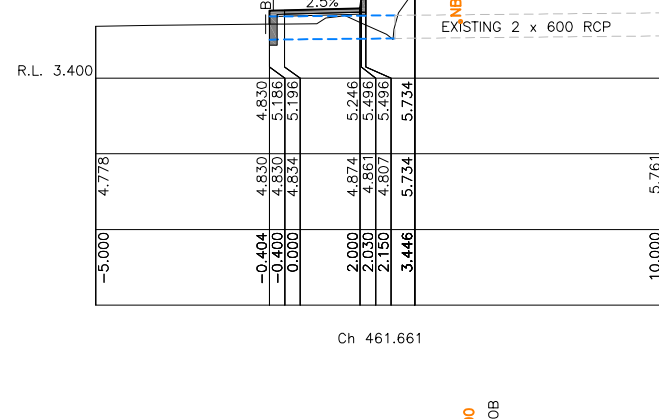
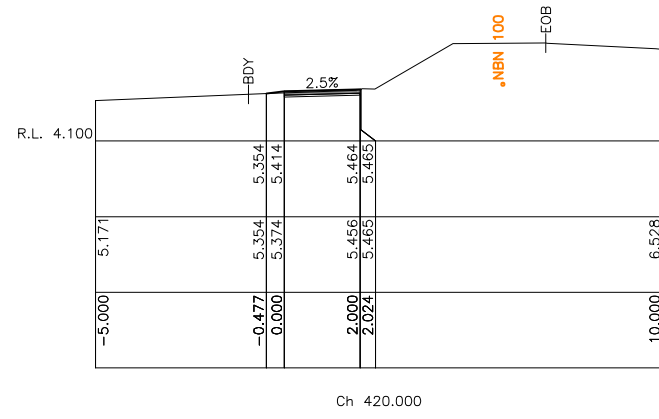
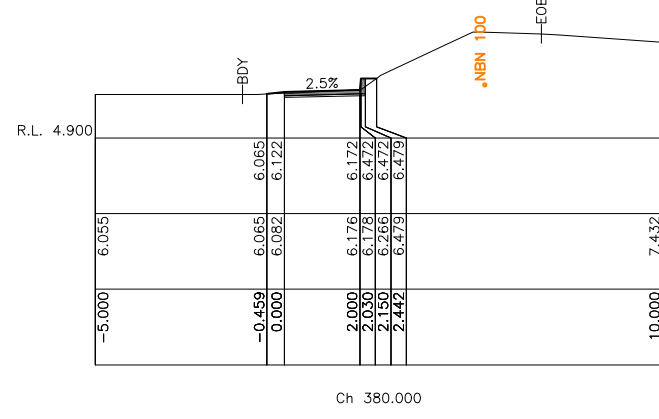
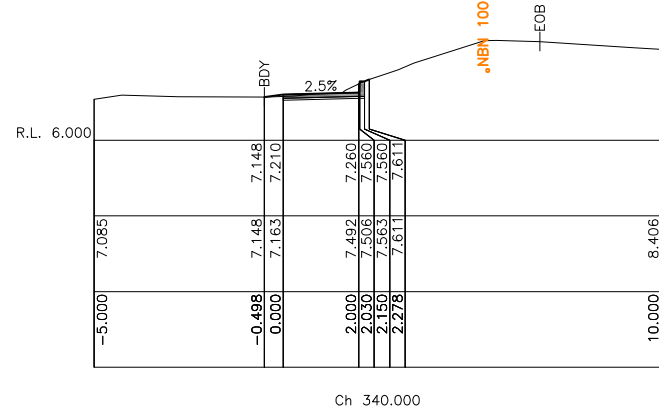
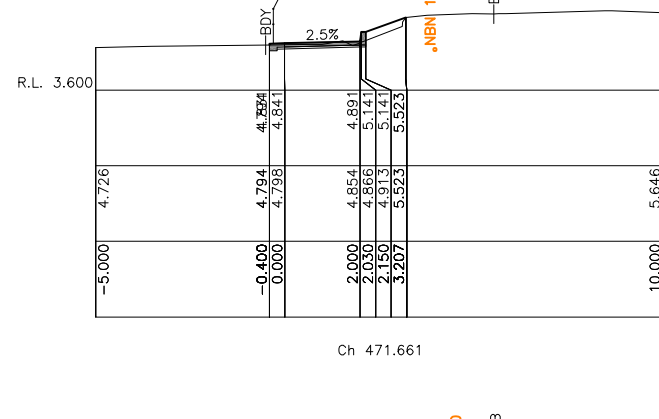
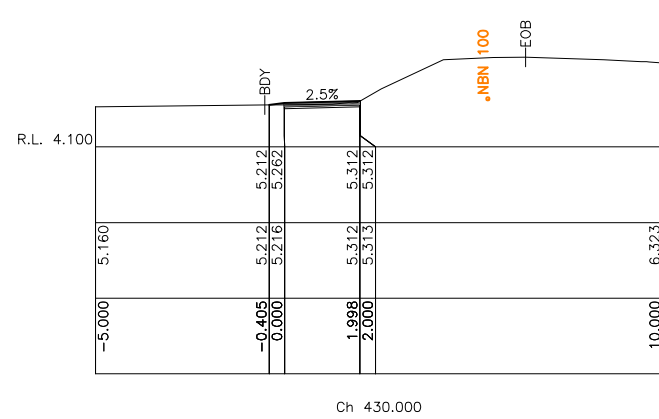
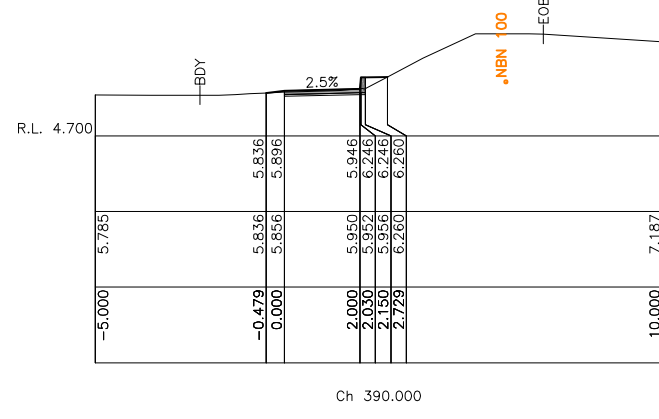
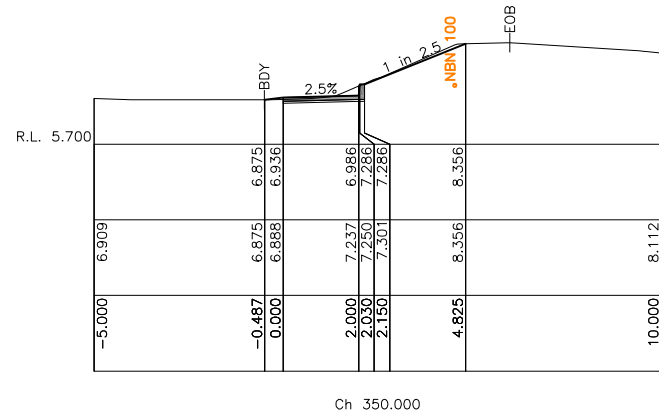
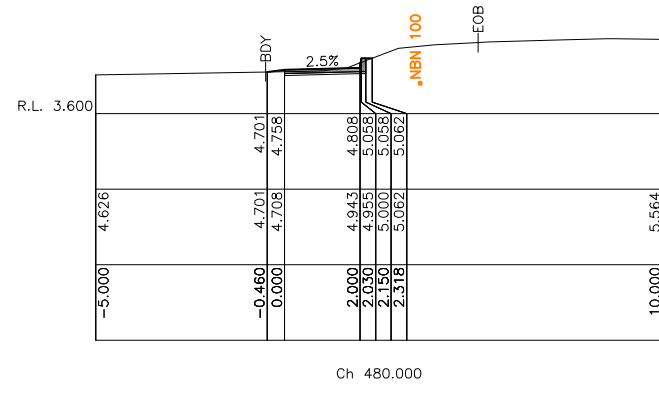
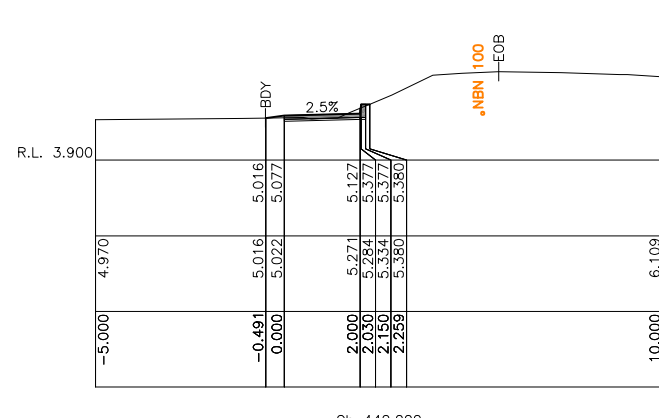
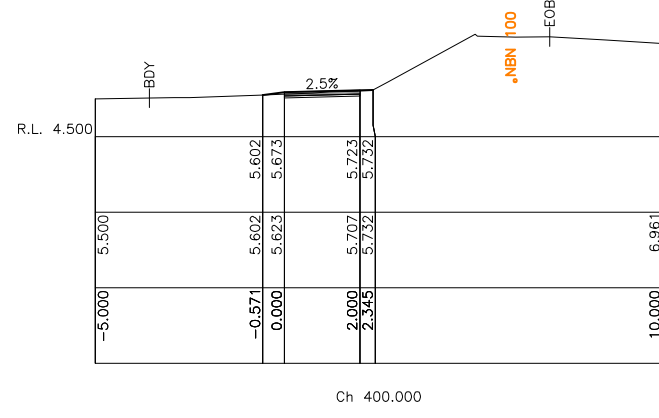
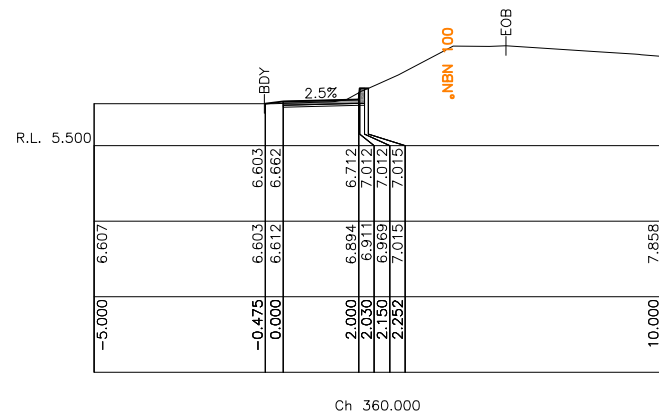
SURVEYOR: SCC
DATUM: AHD
AZIMUTH: MGA
DRAWN: AB
DESIGNED: AB
DESIGNED DATE: AUG 2021
CHECKED: AB



MURRAMARANG ROAD, BAWLEY POINT
PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA
PATH CROSS SECTIONS - SHEET 2 OF 13

Shoalhaven City Council
PLAN REFERENCE 5515.10

DRAWING NO. 2062-C10
ISSUE B
SHEET 10 OF 26



BDY - EXISTING ROAD/PROPERTY BOUNDARY
EOB - EXISTING EDGE OF BITUMEN

B	RE-ISSUED FOR CONSTRUCTION	18/10/21
A	ISSUED FOR CONSTRUCTION	24/09/21
ISSUE	DESCRIPTION	DATE

ISSUED FOR CONSTRUCTION

FOOTPRINT (NSW) PTY. LTD. AUTHORISE THE USE OF THIS DRAWING ONLY FOR THE PURPOSE DEMONSTRATED BY THE STATUS STAMP SHOWN ABOVE.

SCALES ORIGINAL

1:100 A1

CLIENT: Shoalhaven City Council

SURVEYOR:	SCC
DATUM:	AHD
AZIMUTH:	MGA
DRAWN:	AB
DESIGNED:	AB
DESIGNED DATE:	AUG 2021
CHECKED:	AB

footprint
sustainable engineering
a. 15 meehan drive
kiama downs nsw 2533
p. 02 4237 6770
m. 0430 421 661

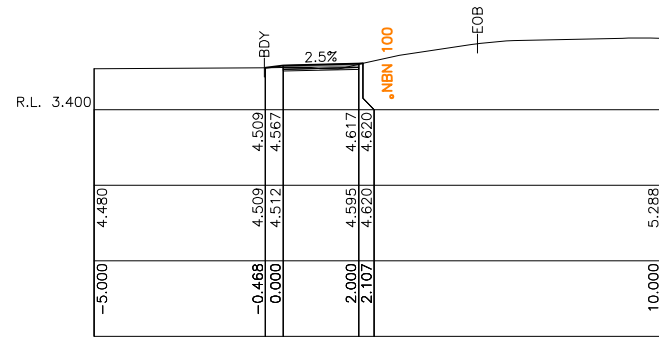
MURRAMARANG ROAD, BAWLEY POINT
PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA
PATH CROSS SECTIONS - SHEET 3 OF 13

Shoalhaven City Council
PLAN REFERENCE
5515.11

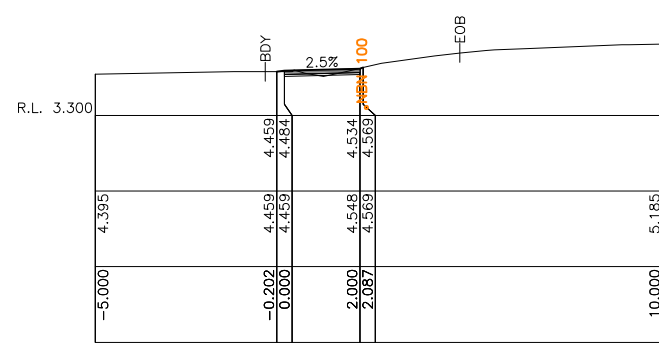
DRAWING NO.
2062-C11

ISSUE.
B

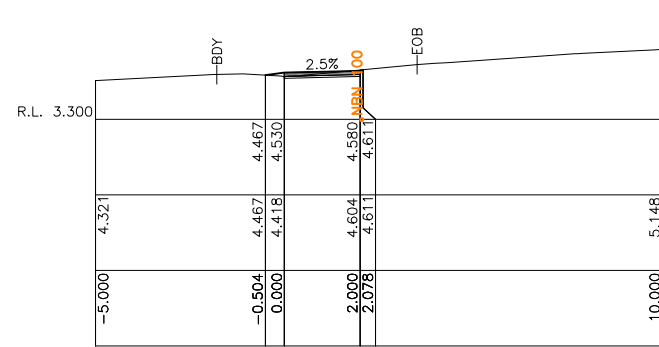
SHEET 11 OF 26



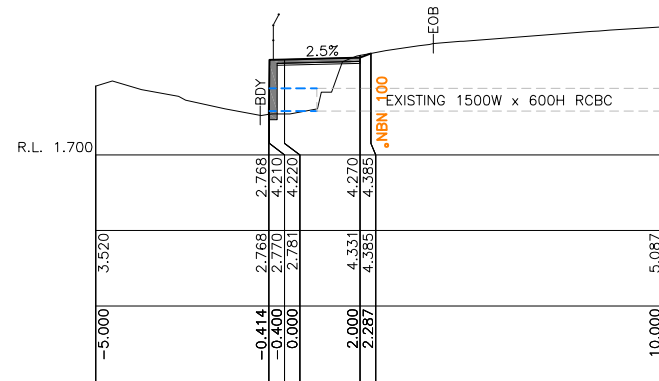
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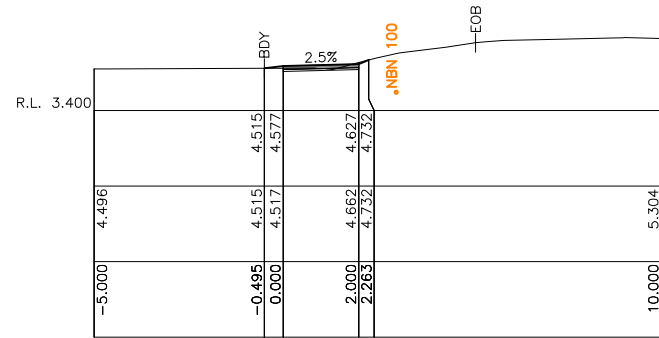
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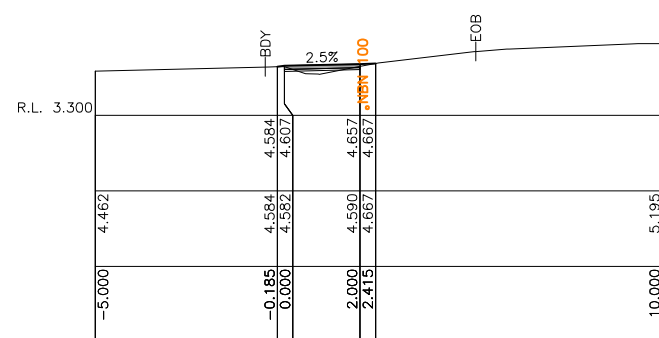
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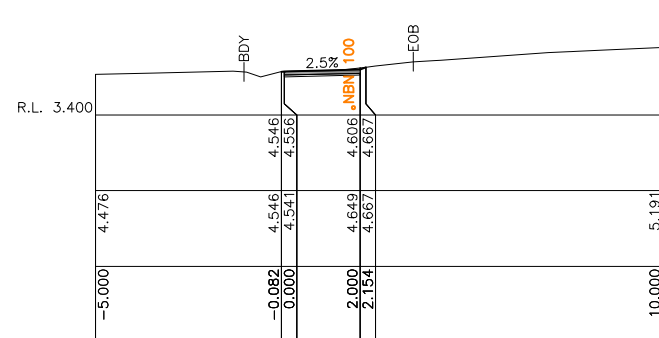
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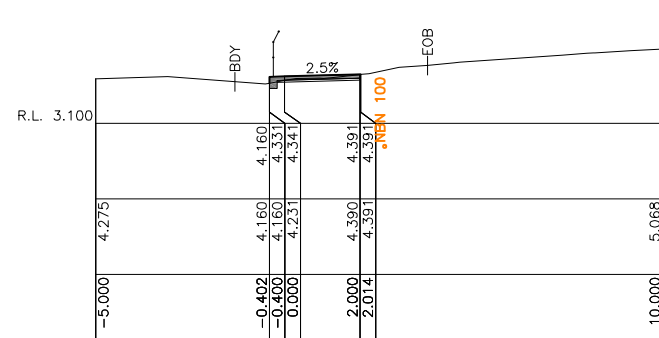
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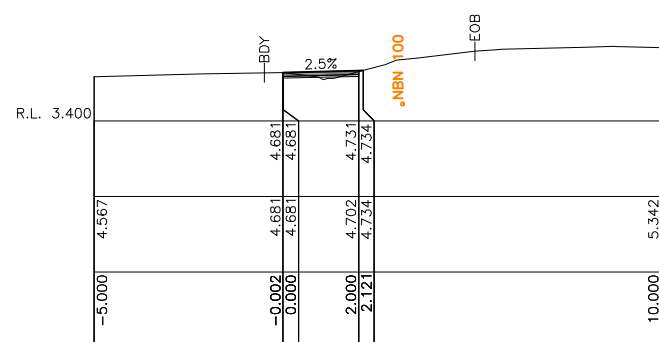
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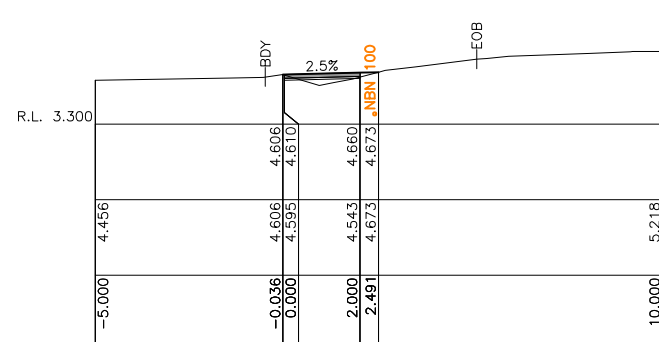
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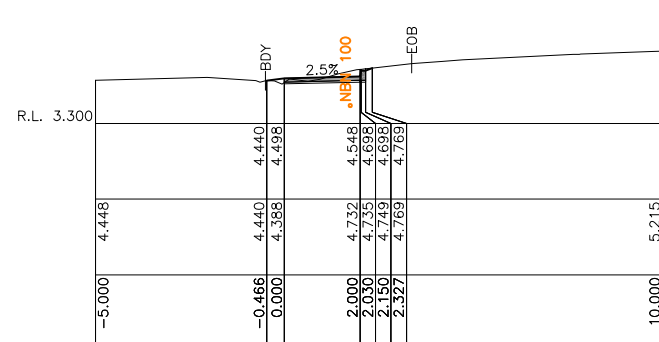
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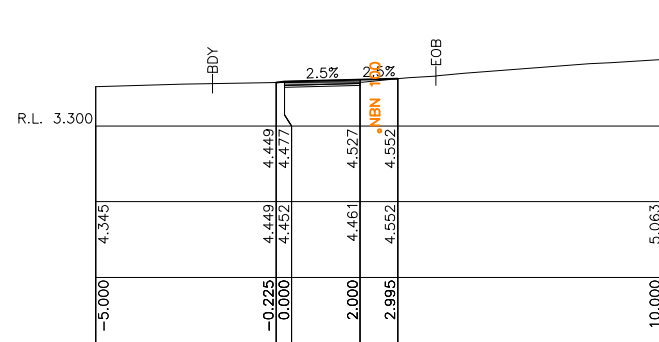
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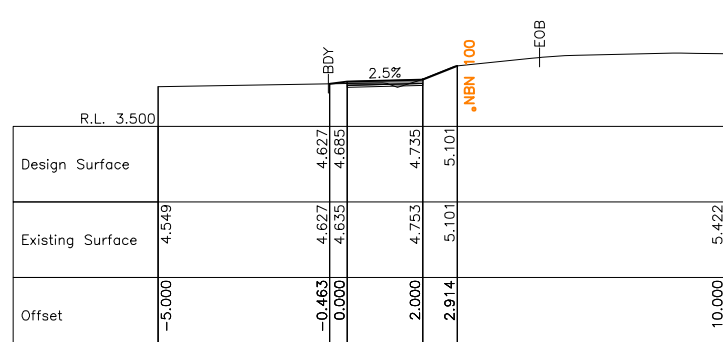
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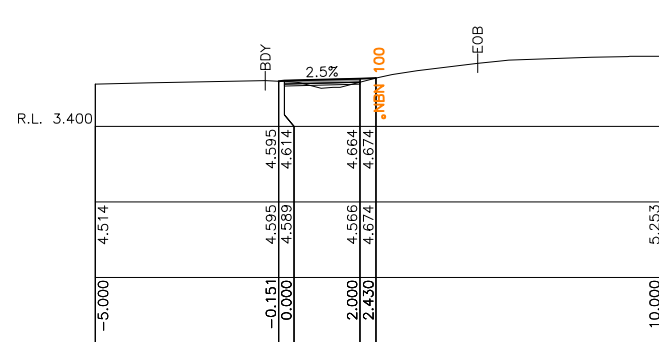
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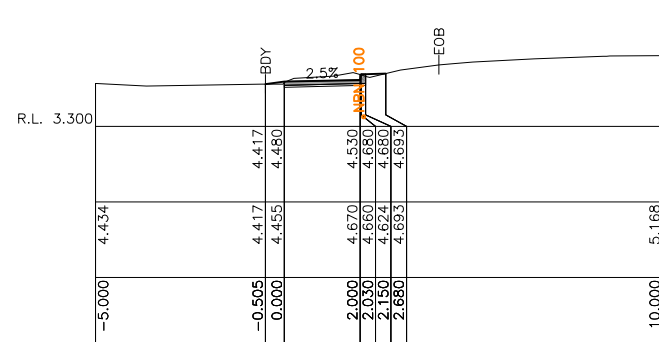
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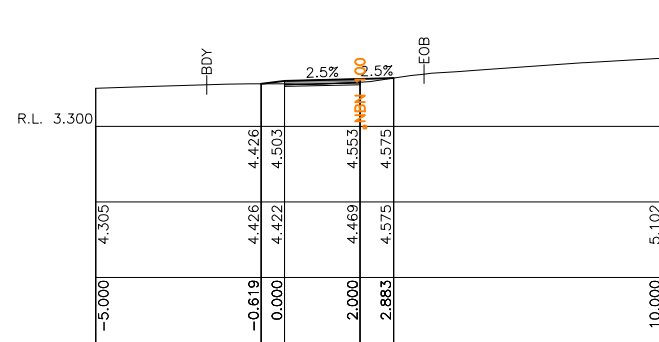
Ch 490.000



Ch 530.000



Ch 570.000



Ch 610.000

BDY - EXISTING ROAD/PROPERTY BOUNDARY
EOB - EXISTING EDGE OF BITUMEN

ISSUED FOR
CONSTRUCTION

SCALES ORIGINAL

1:100 A1

CLIENT:
Shoalhaven City Council

SURVEYOR: SCC
DATUM: AHD
AZIMUTH: MGA
DRAWN: AB
DESIGNED: AB
DESIGNED DATE: AUG 2021
CHECKED: AB

footprint
sustainable engineering
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p. 02 4237 6770
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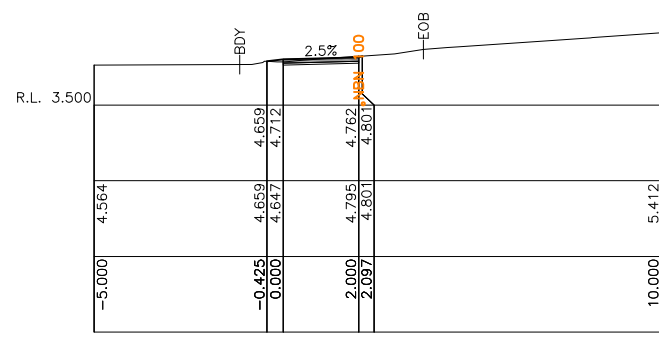
MURRAMARANG ROAD, BAWLEY POINT
PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA
PATH CROSS SECTIONS - SHEET 4 OF 13

Shoalhaven City Council
PLAN REFERENCE
5515.12

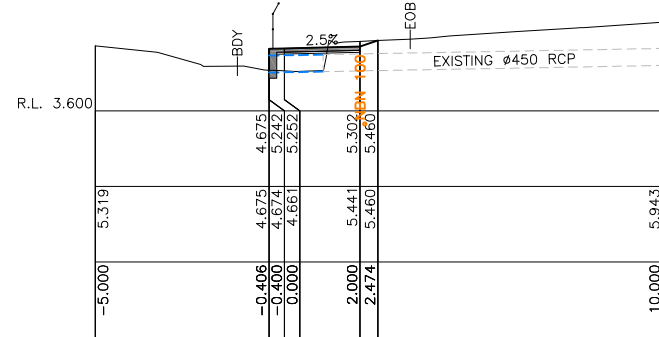
DRAWING NO.
2062-C12
ISSUE.
B
SHEET 12 OF 26

ISSUE	DESCRIPTION	DATE
B	RE-ISSUED FOR CONSTRUCTION	18/10/21
A	ISSUED FOR CONSTRUCTION	24/09/21

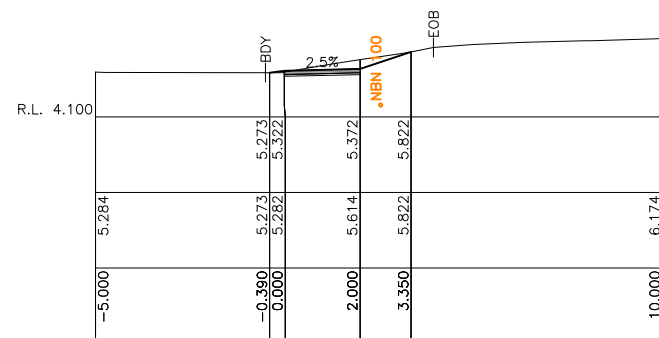
FOOTPRINT (NSW) PTY. LTD. AUTHORISE THE USE OF THIS DRAWING ONLY FOR THE PURPOSE DEMONSTRATED BY THE STATUS STAMP SHOWN ABOVE.



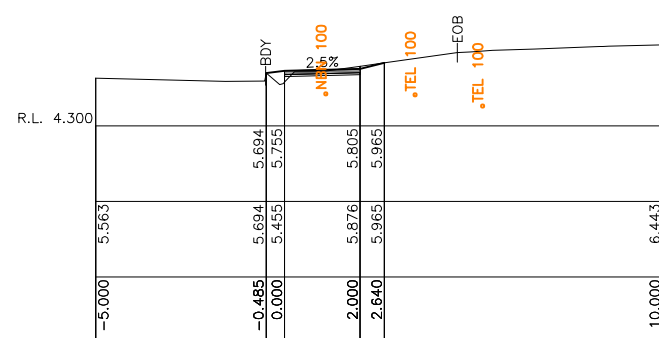
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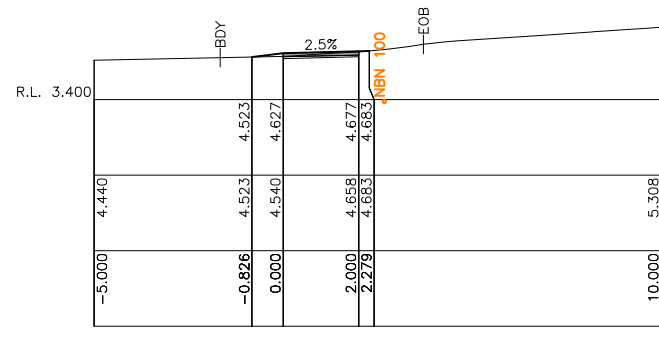
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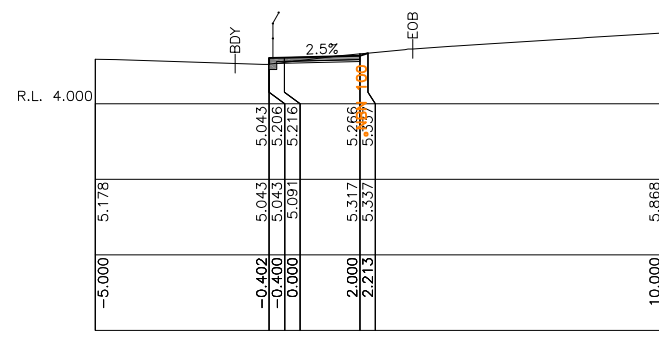
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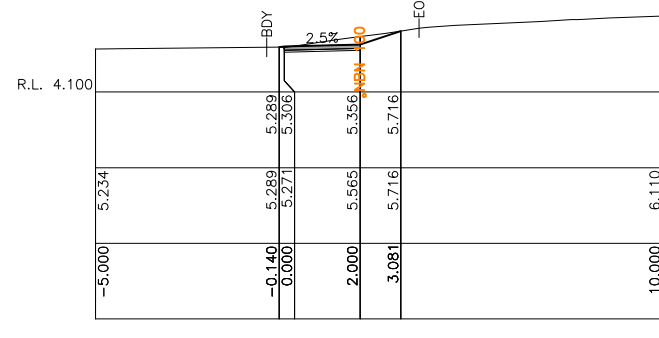
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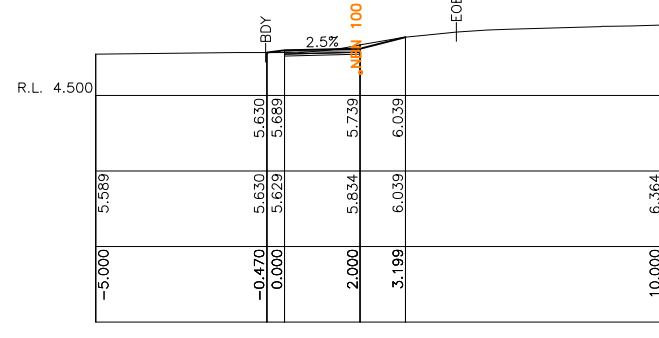
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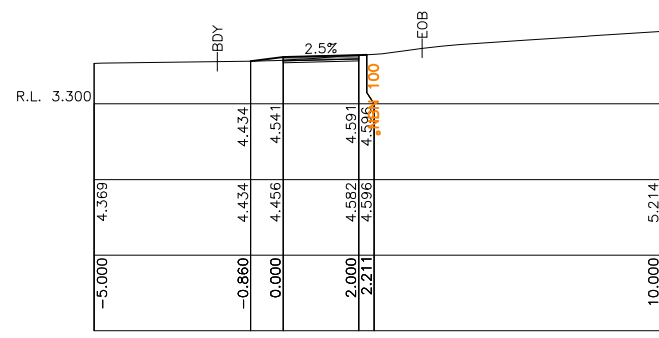
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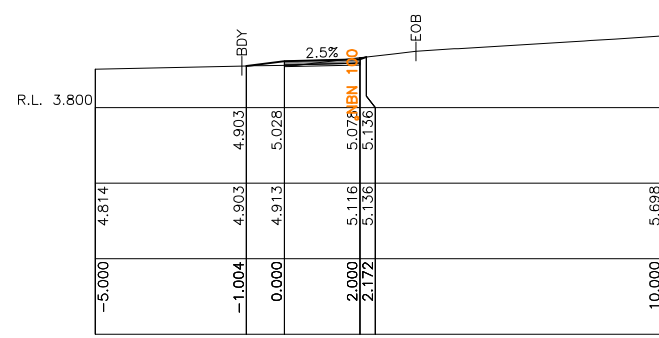
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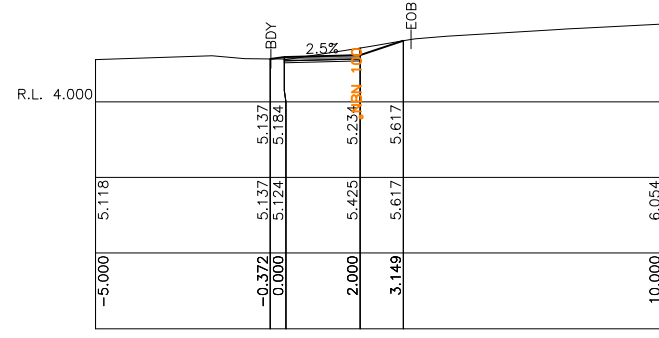
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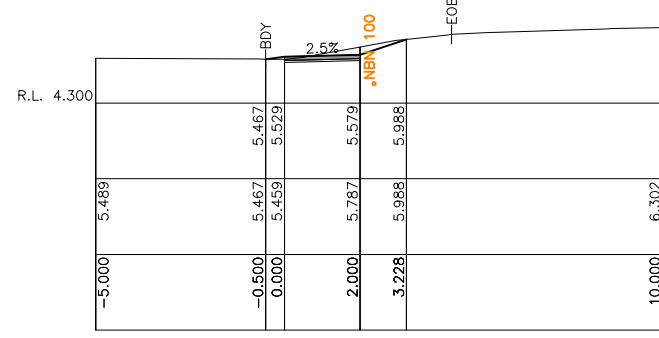
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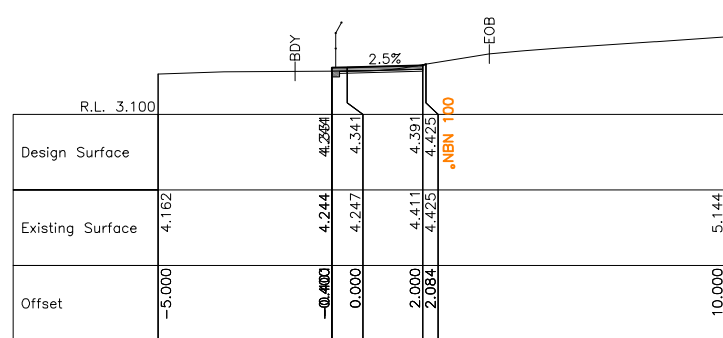
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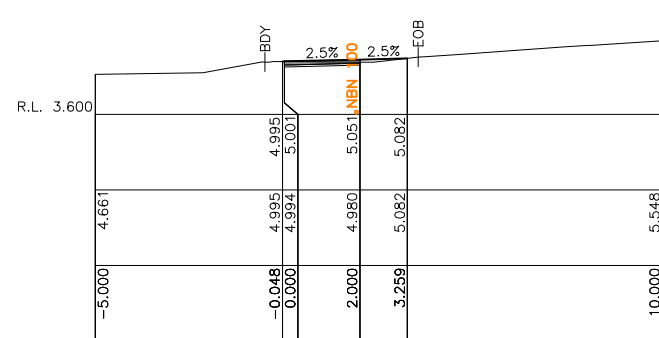
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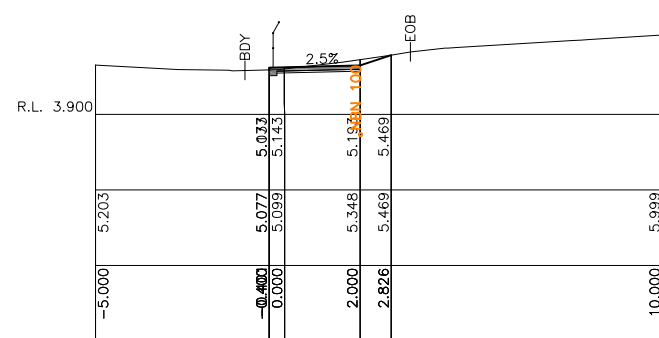
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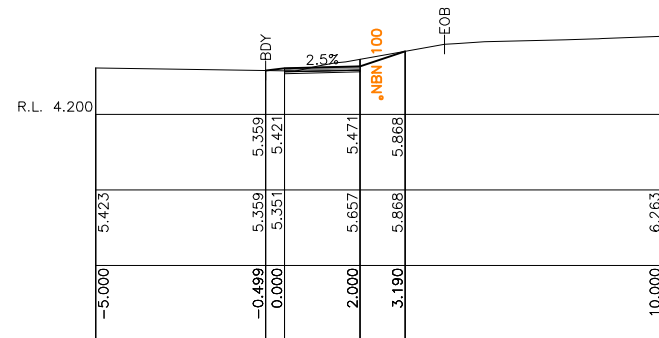
Ch 650.000



Ch 690.000



Ch 720.000



Ch 760.000

BDY - EXISTING ROAD/PROPERTY BOUNDARY
EOB - EXISTING EDGE OF BITUMEN

ISSUE	DESCRIPTION	DATE
B	RE-ISSUED FOR CONSTRUCTION	18/10/21
A	ISSUED FOR CONSTRUCTION	24/09/21

ISSUED FOR CONSTRUCTION

FOOTPRINT (NSW) PTY. LTD. AUTHORISE THE USE OF THIS DRAWING ONLY FOR THE PURPOSE DEMONSTRATED BY THE STATUS STAMP SHOWN ABOVE.

SCALES	ORIGINAL
1:100	A1

CLIENT: Shoalhaven City Council

SURVEYOR:	SCC
DATUM:	AHD
AZIMUTH:	MGA
DRAWN:	AB
DESIGNED:	AB
DESIGNED DATE:	AUG 2021
CHECKED:	AB



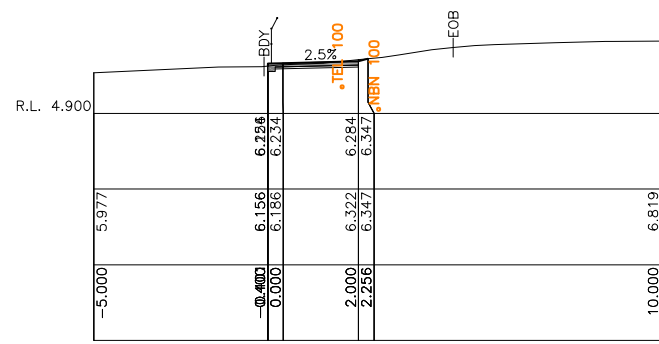
MURRAMARANG ROAD, BAWLEY POINT
PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA
PATH CROSS SECTIONS - SHEET 5 OF 13

Shoalhaven City Council
PLAN REFERENCE
5515.13

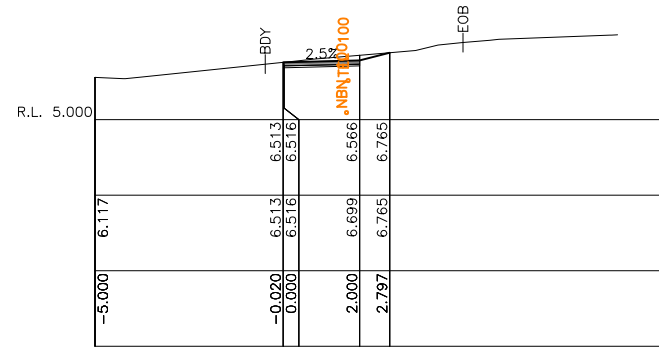
DRAWING NO.
2062-C13

ISSUE.
B

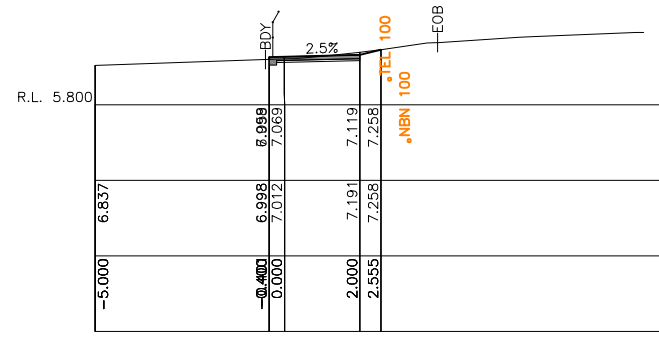
SHEET 13 OF 26



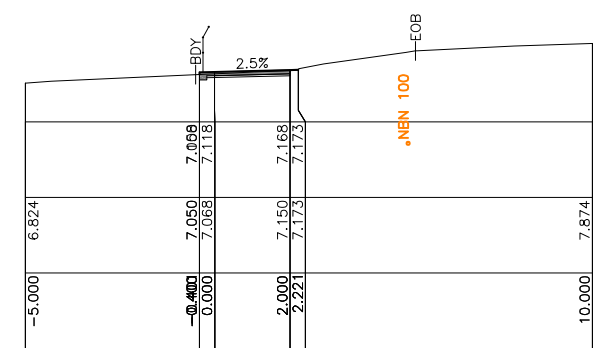
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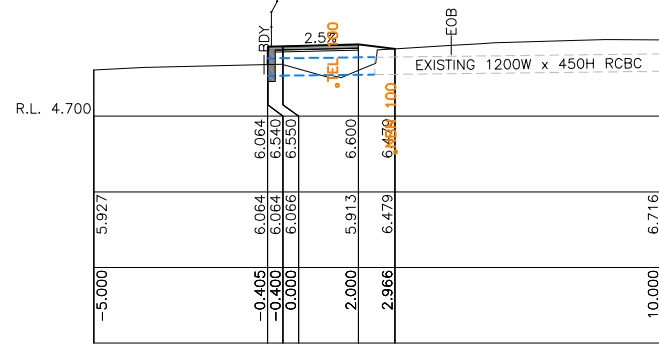
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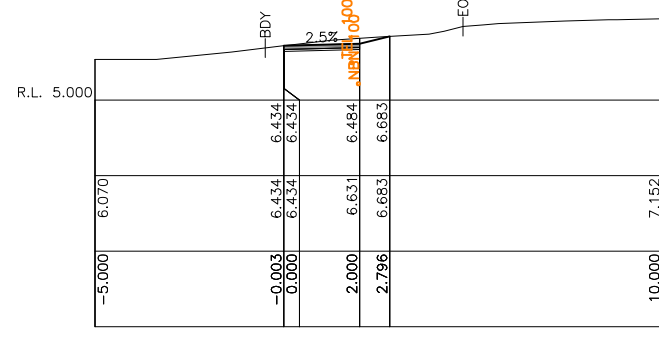
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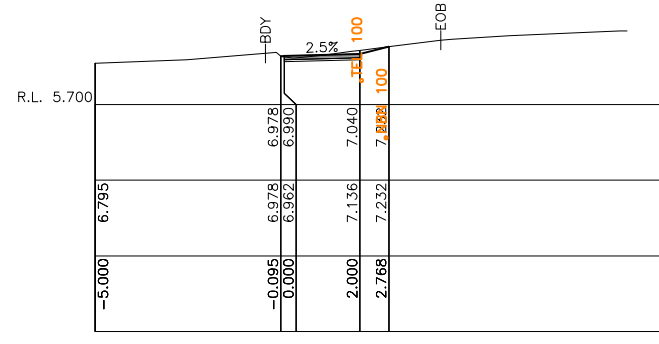
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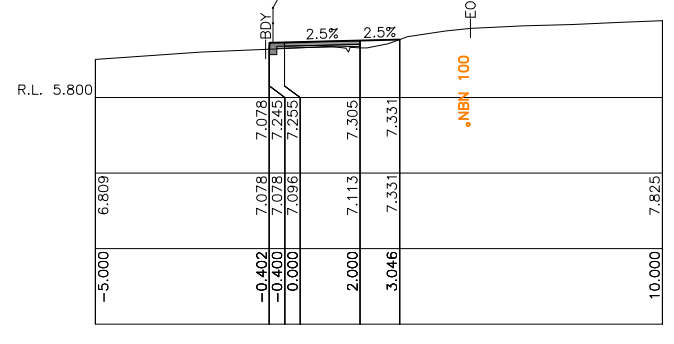
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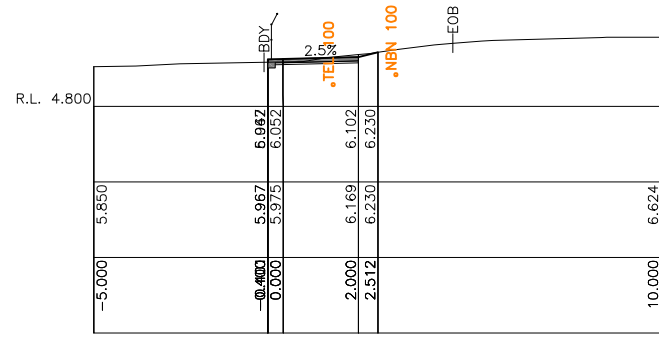
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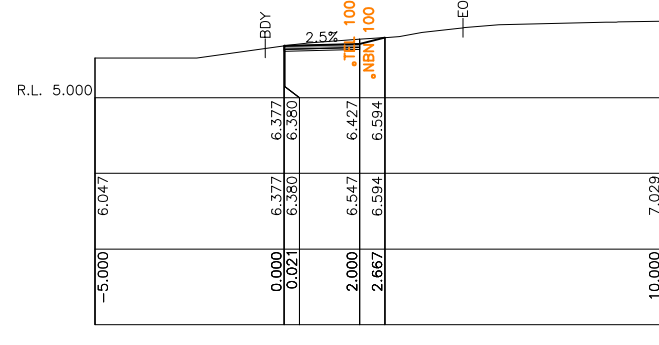
Ch 900.000



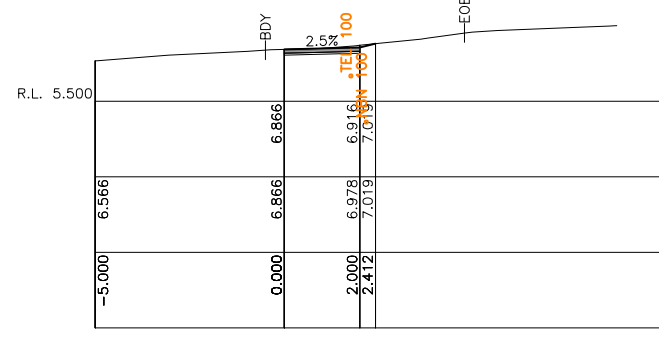
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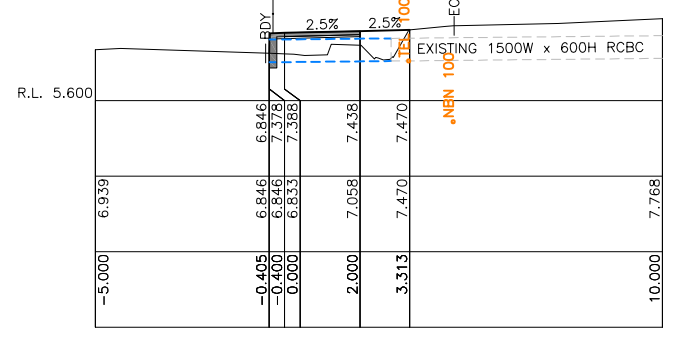
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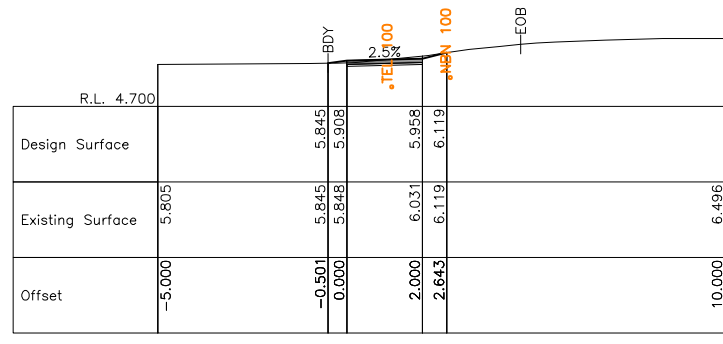
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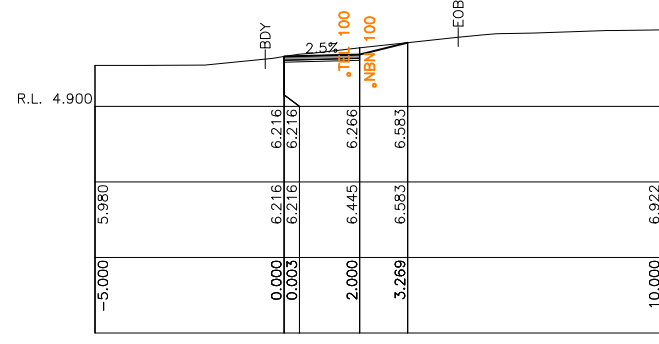
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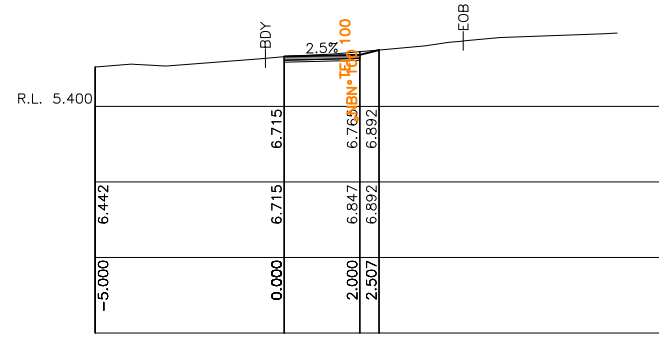
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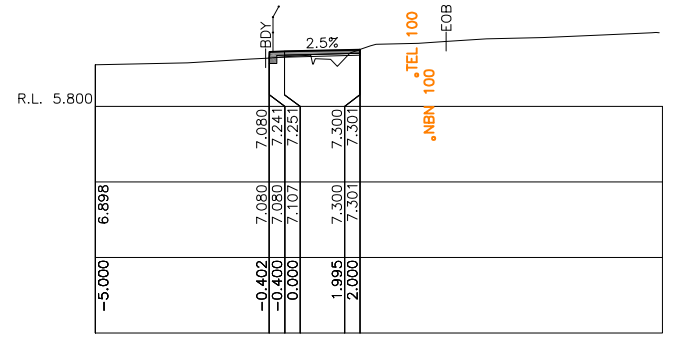
Ch 800.000



Ch 840.000



Ch 880.000



Ch 910.000

BDY - EXISTING ROAD/PROPERTY BOUNDARY
EOB - EXISTING EDGE OF BITUMEN

B	RE-ISSUED FOR CONSTRUCTION	18/10/21
A	ISSUED FOR CONSTRUCTION	24/09/21
ISSUE	DESCRIPTION	DATE

ISSUED FOR CONSTRUCTION

FOOTPRINT (NSW) PTY. LTD. AUTHORISE THE USE OF THIS DRAWING ONLY FOR THE PURPOSE DEMONSTRATED BY THE STATUS STAMP SHOWN ABOVE.

SCALES	ORIGINAL	SURVEYOR:	SCC
1:100	A1	DATUM:	AHD
CLIENT:		AZIMUTH:	MGA
Shoalhaven City Council		DRAWN:	AB
		DESIGNED:	AB
		DESIGNED DATE:	AUG 2021
		CHECKED:	AB

footprint sustainable engineering
a. 15 meehan drive
kiama downs nsw 2533
p. 02 4237 6770
m. 0430 421 661

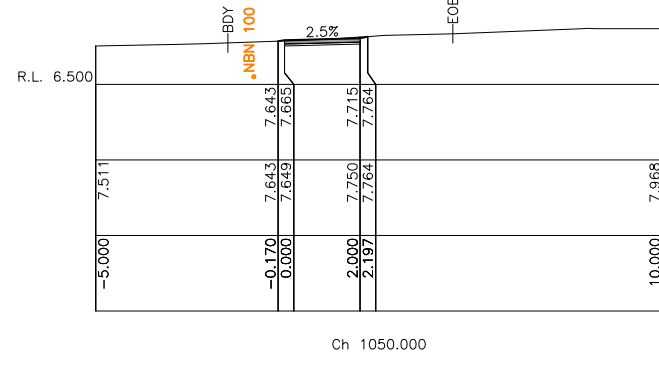
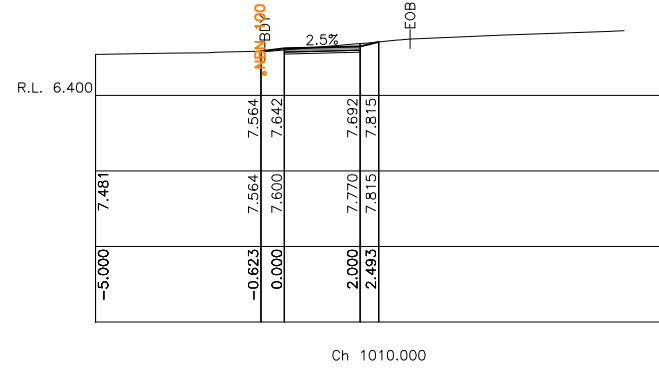
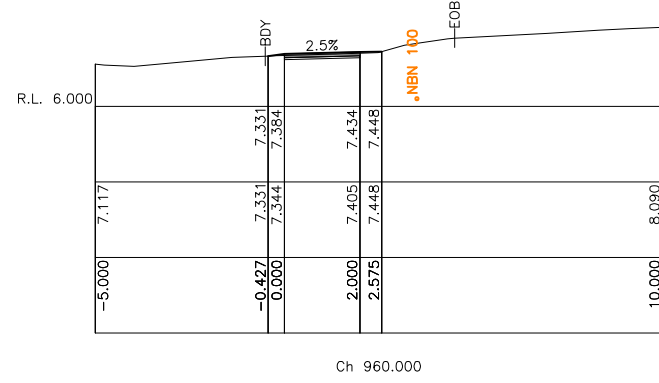
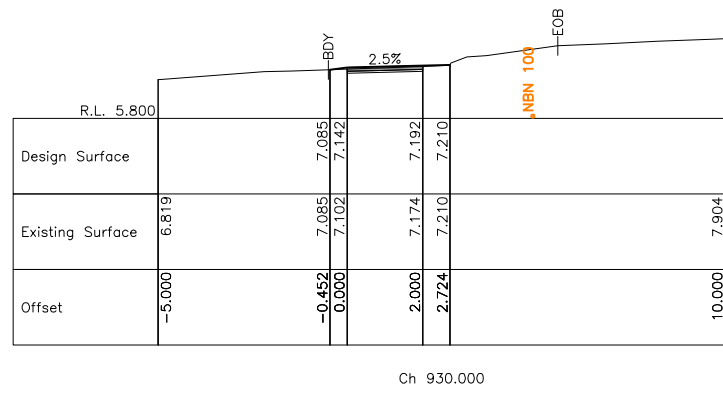
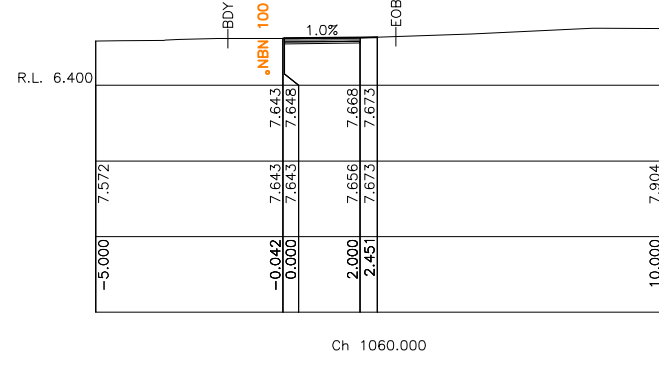
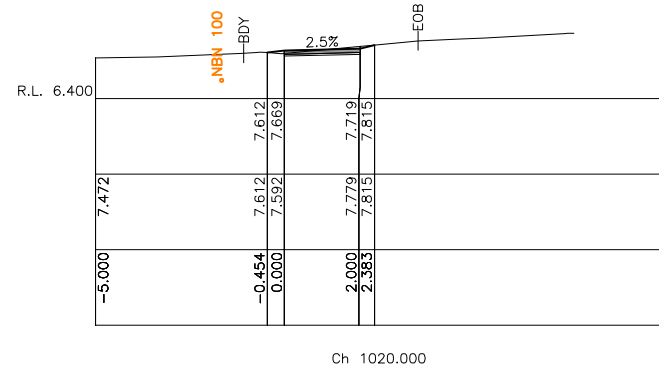
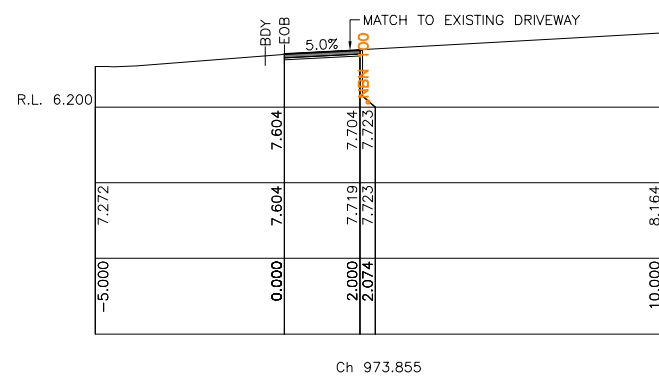
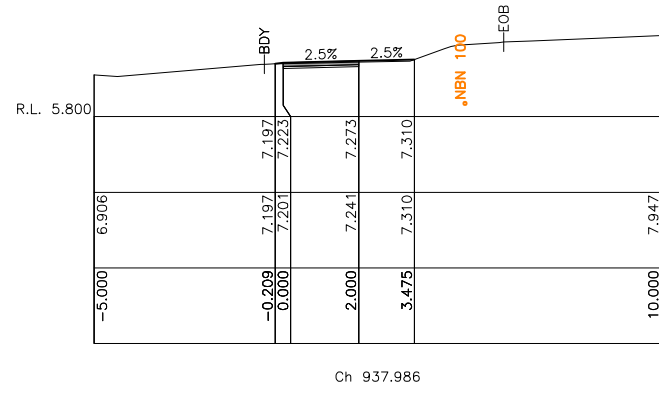
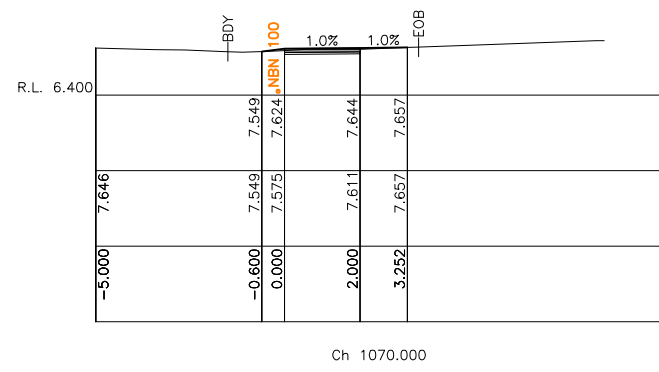
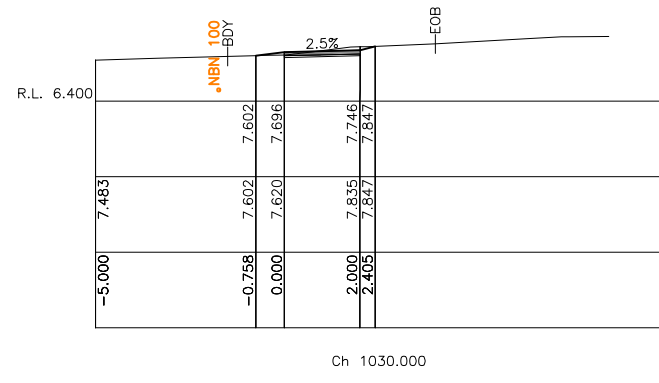
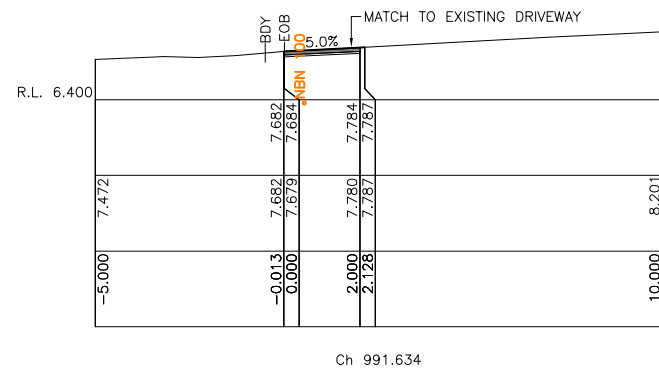
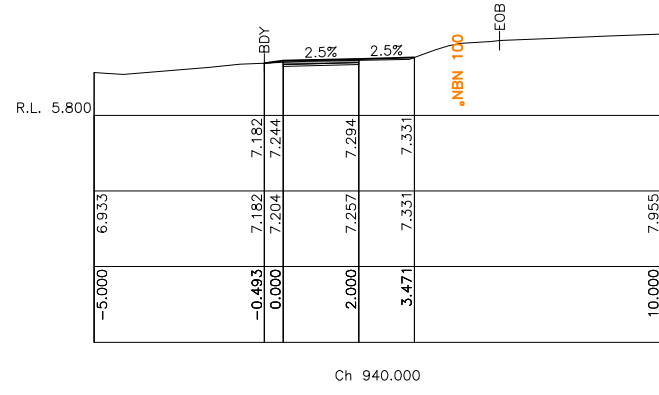
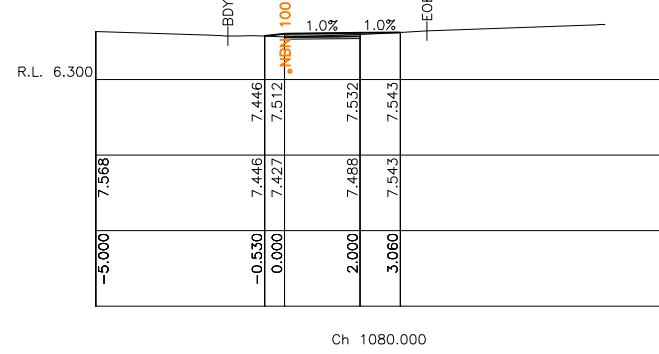
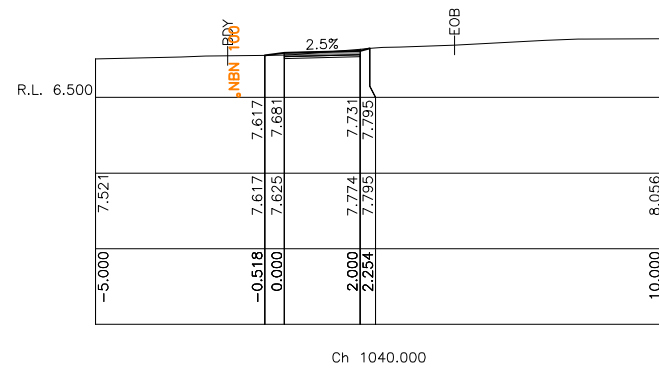
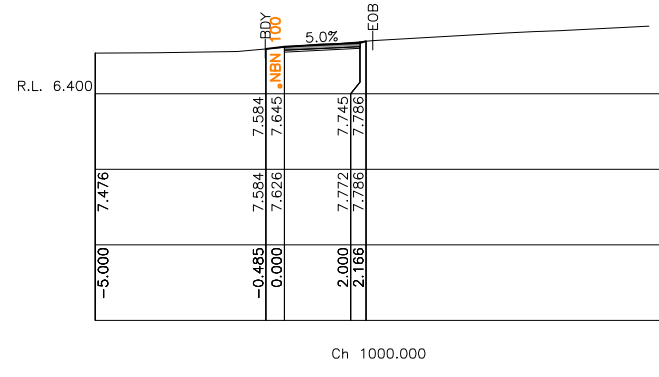
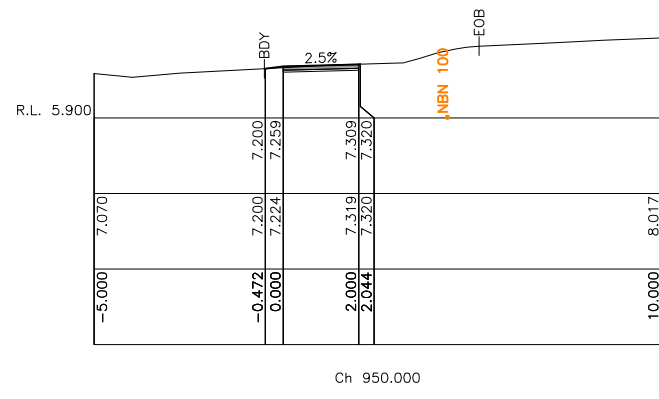
MURRAMARANG ROAD, BAWLEY POINT
PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA
PATH CROSS SECTIONS - SHEET 6 OF 13

Shoalhaven City Council
PLAN REFERENCE
5515.14

DRAWING NO.
2062-C14

ISSUE.
B

SHEET 14 OF 26



BDY - EXISTING ROAD/PROPERTY BOUNDARY
EOB - EXISTING EDGE OF BITUMEN

B	RE-ISSUED FOR CONSTRUCTION	18/10/21
A	ISSUED FOR CONSTRUCTION	24/09/21
ISSUE	DESCRIPTION	DATE

ISSUED FOR CONSTRUCTION

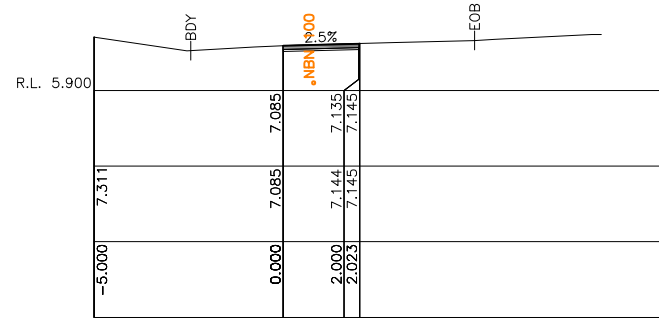
FOOTPRINT (NSW) PTY. LTD. AUTHORISE THE USE OF THIS DRAWING ONLY FOR THE PURPOSE DEMONSTRATED BY THE STATUS STAMP SHOWN ABOVE.

SCALES	ORIGINAL	SURVEYOR:	SCC
1:100	A1	DATUM:	AHD
CLIENT:		AZIMUTH:	MGA
		DRAWN:	AB
		DESIGNED:	AB
		DESIGNED DATE:	AUG 2021
		CHECKED:	AB

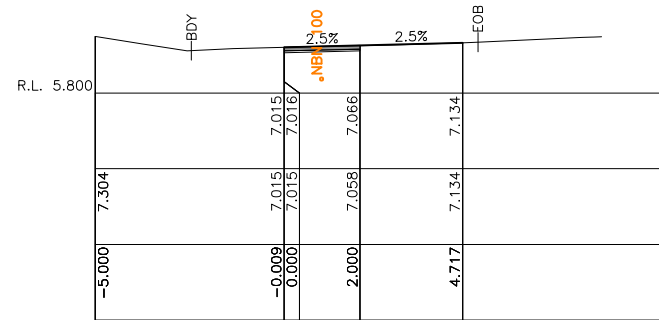
footprint sustainable engineering
a. 15 meehan drive
kiama downs nsw 2533
p. 02 4237 6770
m. 0430 421 661

MURRAMARANG ROAD, BAWLEY POINT
PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA
PATH CROSS SECTIONS - SHEET 7 OF 13

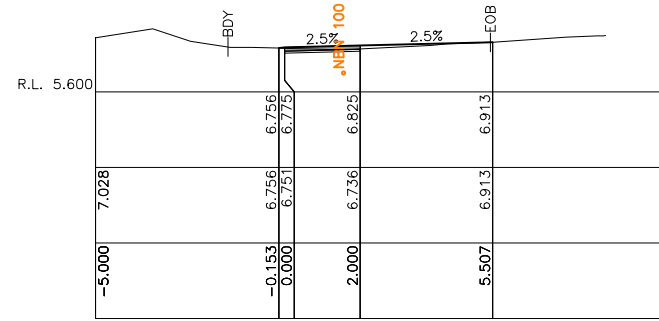
DRAWING NO. 2062-C15
ISSUE B
SHEET 15 OF 26
PLAN REFERENCE 5515.15



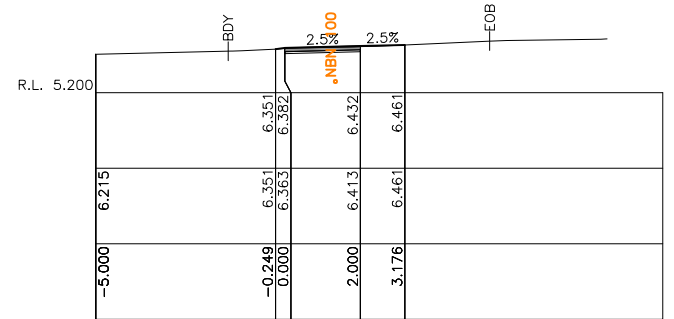
Ch 1118.711



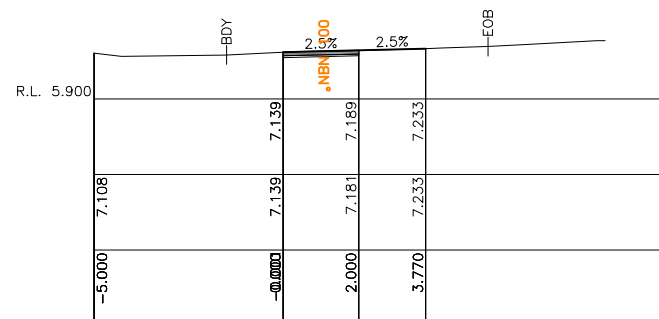
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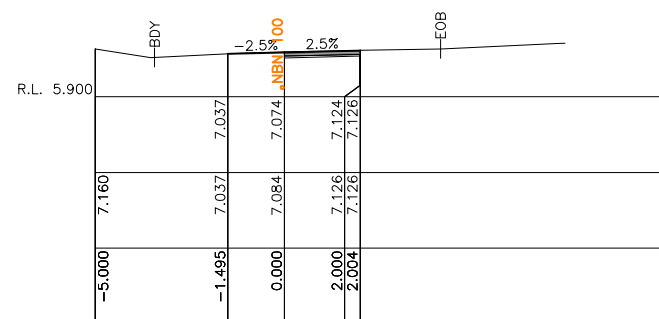
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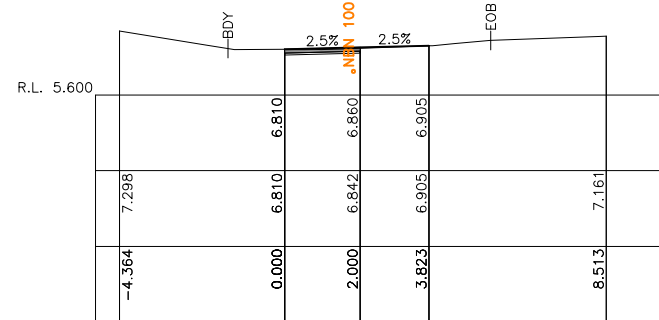
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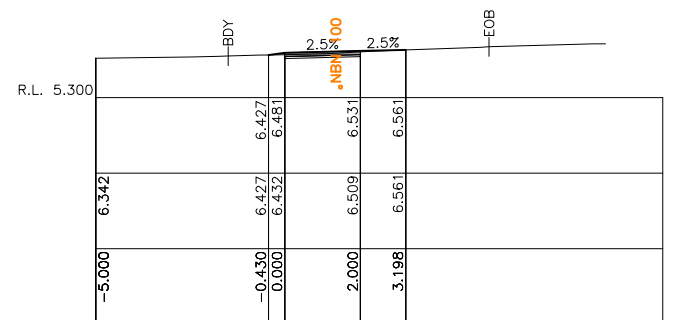
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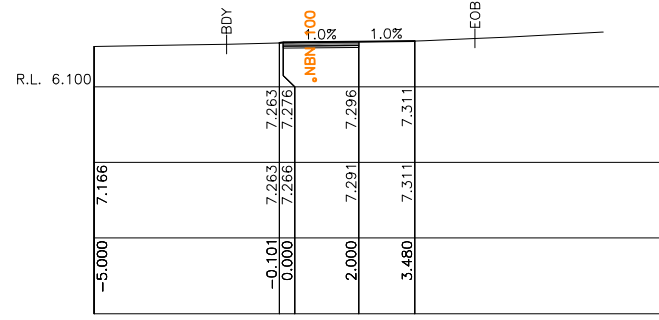
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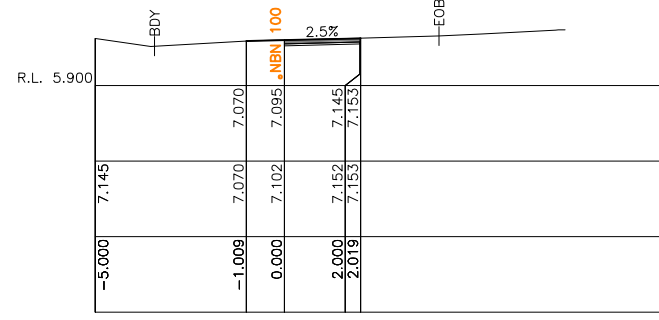
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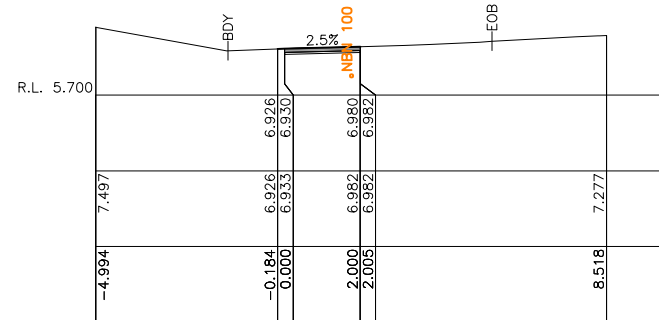
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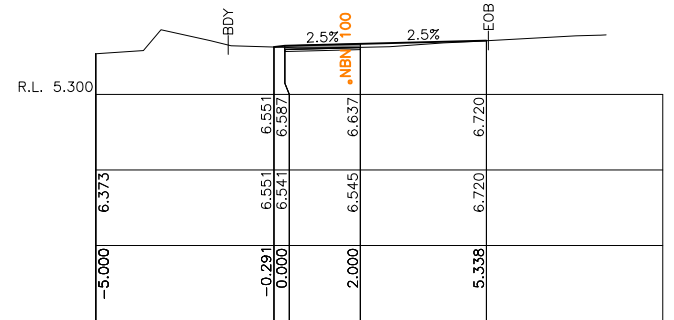
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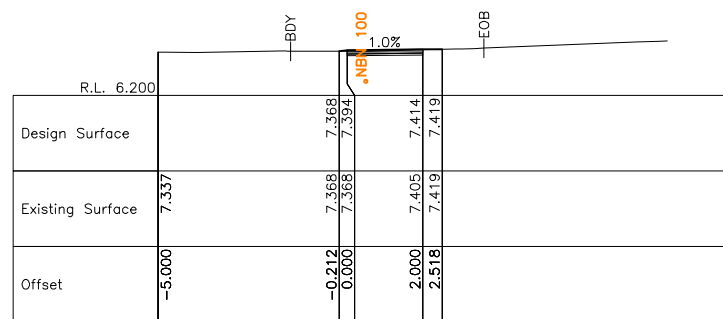
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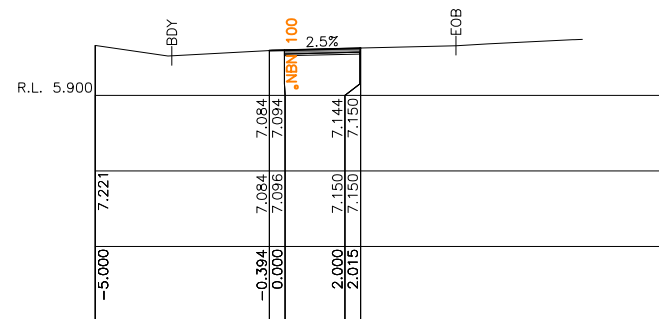
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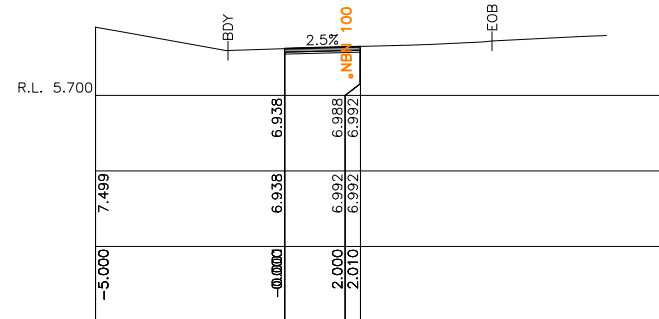
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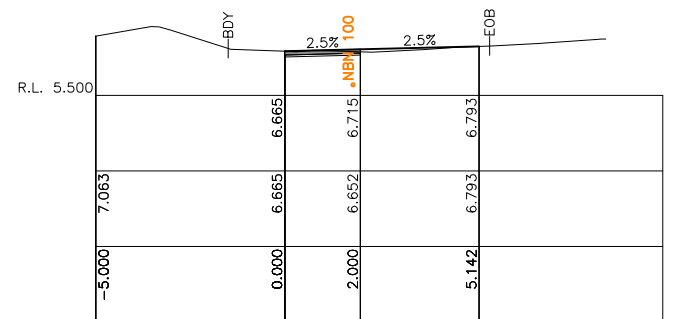
Ch 1090.000



Ch 1120.000



Ch 1129.352



Ch 1160.000

BDY - EXISTING ROAD/PROPERTY BOUNDARY
EOB - EXISTING EDGE OF BITUMEN

ISSUED FOR CONSTRUCTION

SCALES ORIGINAL

1:100 A1

CLIENT: Shoalhaven City Council

SURVEYOR: SCC
DATUM: AHD
AZIMUTH: MGA
DRAWN: AB
DESIGNED: AB
DESIGNED DATE: AUG 2021
CHECKED: AB



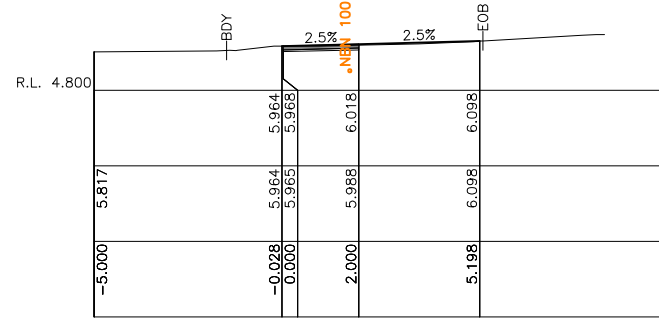
MURRAMARANG ROAD, BAWLEY POINT
PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA
PATH CROSS SECTIONS - SHEET 8 OF 13



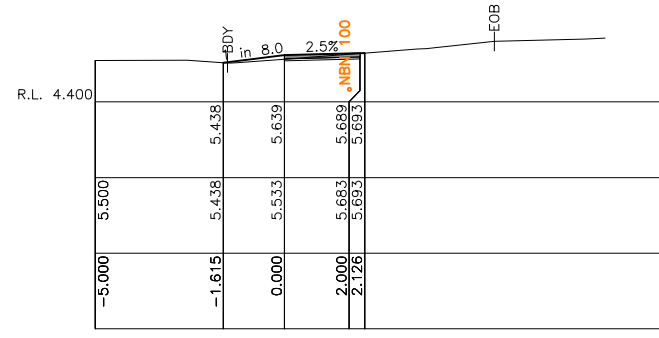
DRAWING NO. 2062-C16
ISSUE B
SHEET 16 OF 26

B	RE-ISSUED FOR CONSTRUCTION	18/10/21
A	ISSUED FOR CONSTRUCTION	24/09/21
ISSUE	DESCRIPTION	DATE

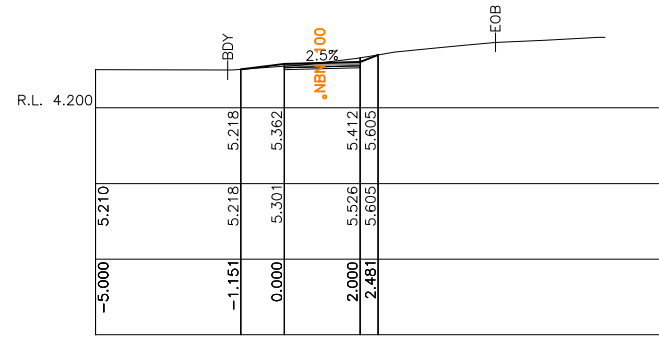
FOOTPRINT (NSW) PTY. LTD. AUTHORISE THE USE OF THIS DRAWING ONLY FOR THE PURPOSE DEMONSTRATED BY THE STATUS STAMP SHOWN ABOVE.



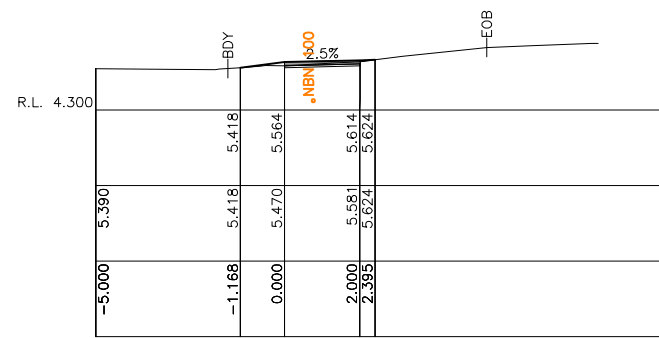
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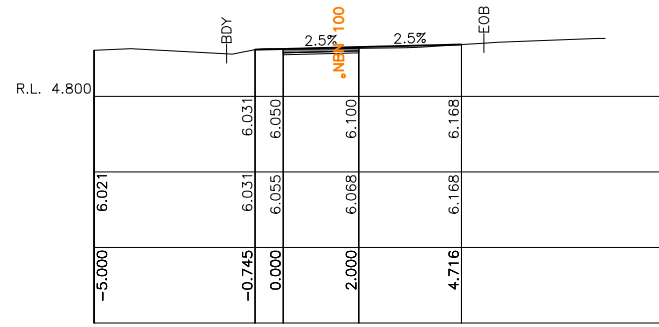
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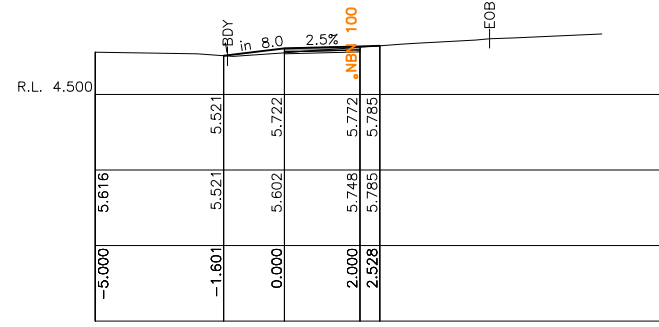
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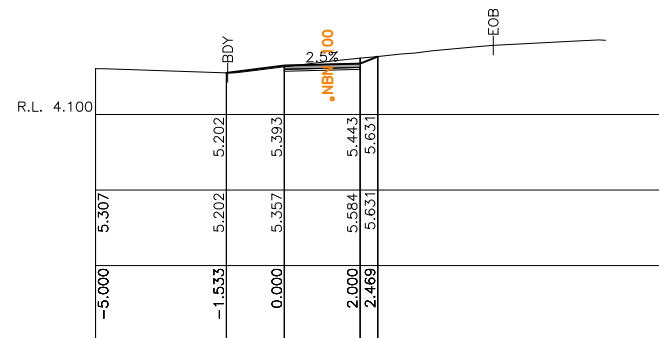
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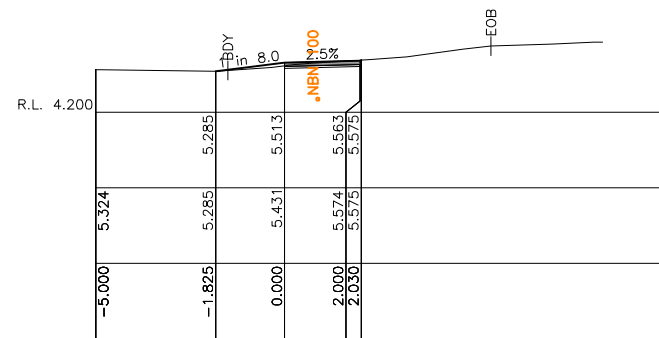
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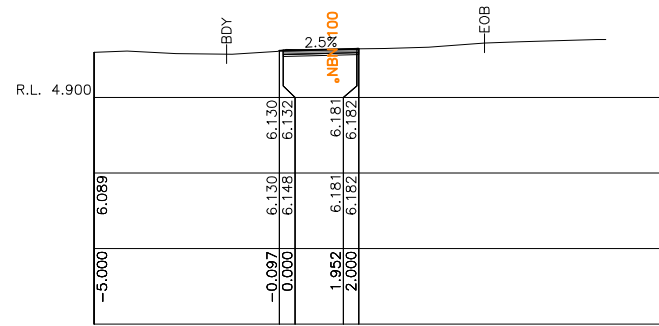
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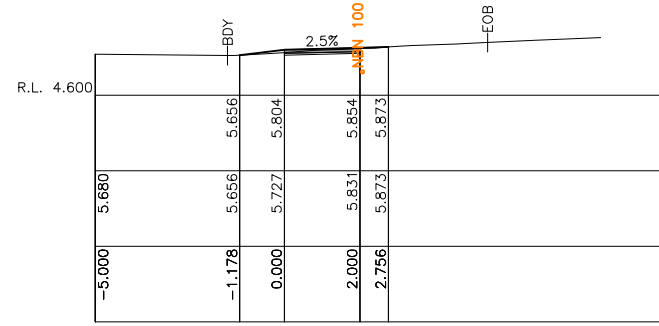
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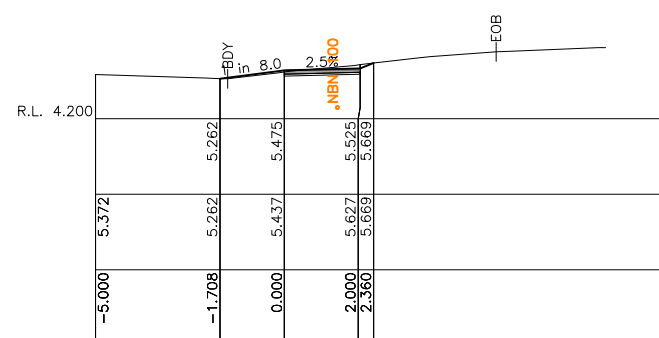
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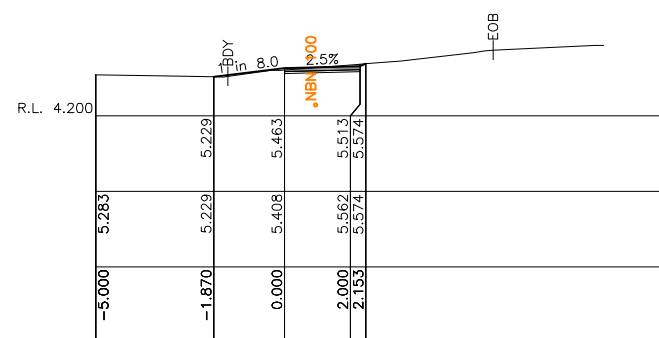
Ch 1210.000



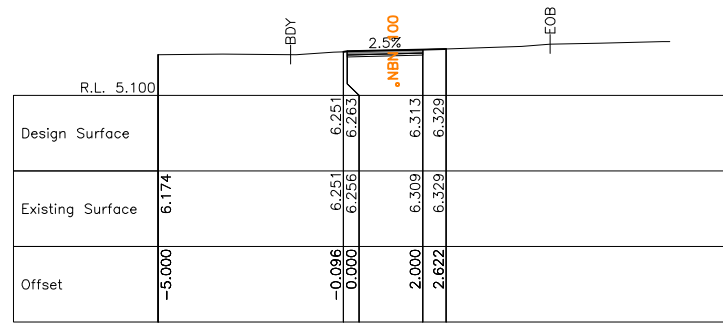
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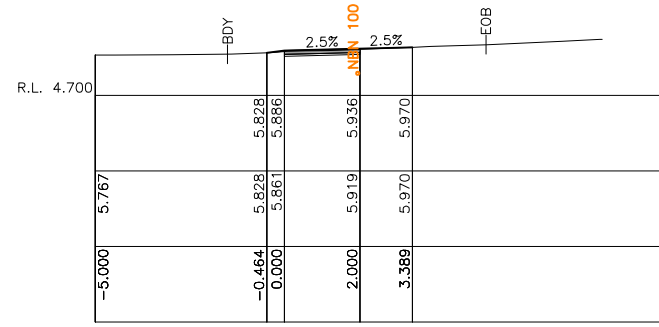
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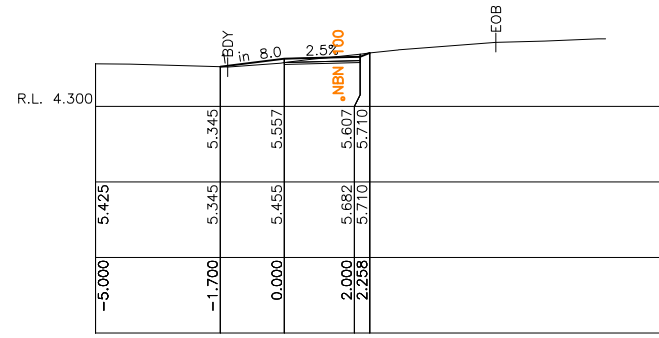
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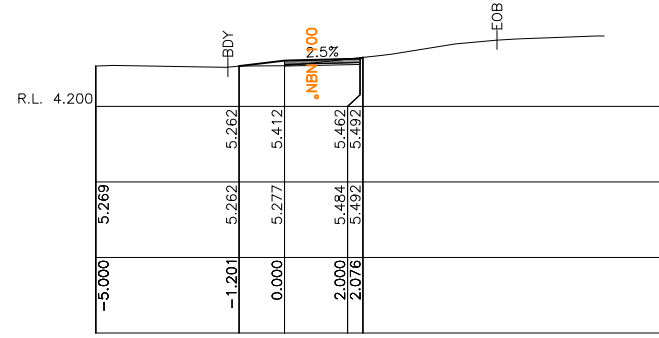
Ch 1200.000



Ch 1240.000



Ch 1280.000



Ch 1320.000

BDY - EXISTING ROAD/PROPERTY BOUNDARY
EOB - EXISTING EDGE OF BITUMEN

B	RE-ISSUED FOR CONSTRUCTION	18/10/21
A	ISSUED FOR CONSTRUCTION	24/09/21
ISSUE	DESCRIPTION	DATE

ISSUED FOR CONSTRUCTION

FOOTPRINT (NSW) PTY. LTD. AUTHORISE THE USE OF THIS DRAWING ONLY FOR THE PURPOSE DEMONSTRATED BY THE STATUS STAMP SHOWN ABOVE.

SCALES: 1:100

ORIGINAL: A1

CLIENT: Shoalhaven City Council

SURVEYOR:	SCC
DATUM:	AHD
AZIMUTH:	MGA
DRAWN:	AB
DESIGNED:	AB
DESIGNED DATE:	AUG 2021
CHECKED:	AB

footprint sustainable engineering
a. 15 meehan drive
kiama downs nsw 2533
p. 02 4237 6770
m. 0430 421 661

MURRAMARANG ROAD, BAWLEY POINT

PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA

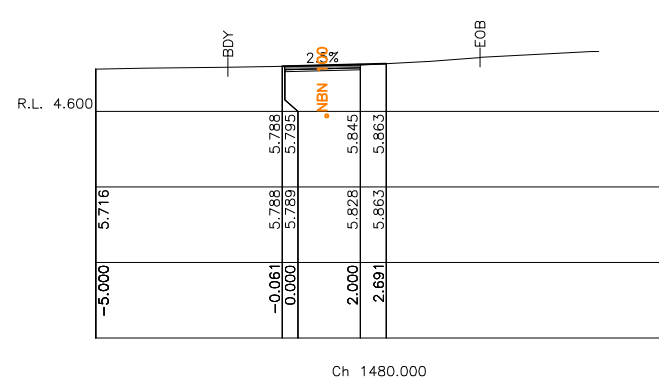
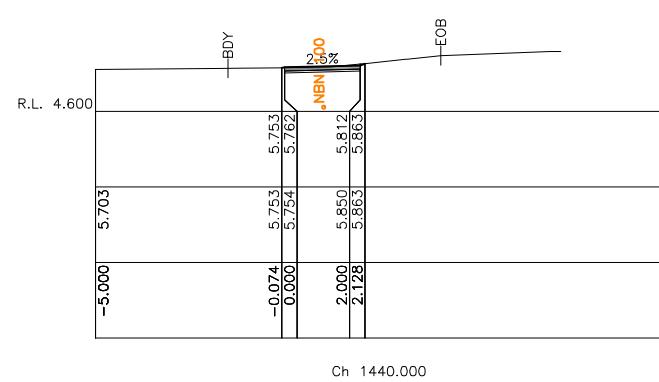
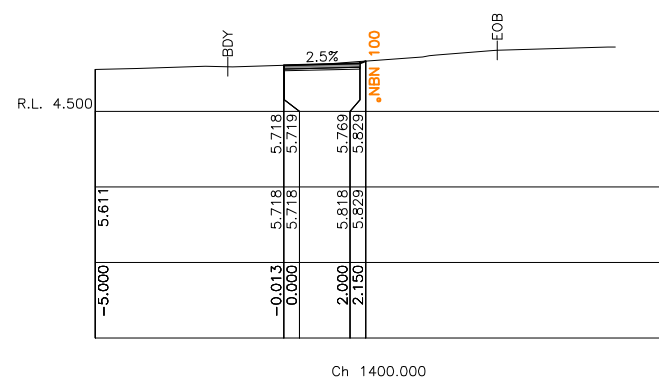
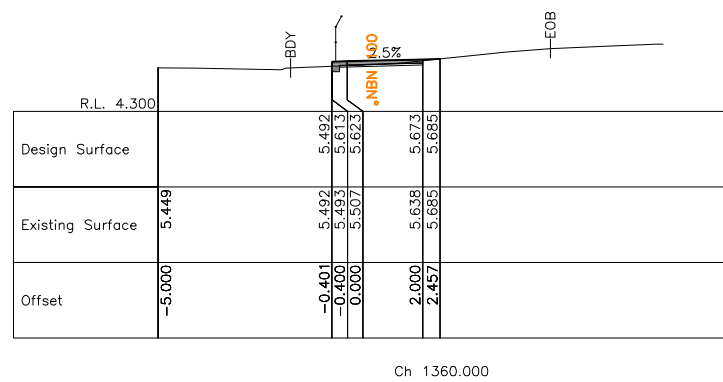
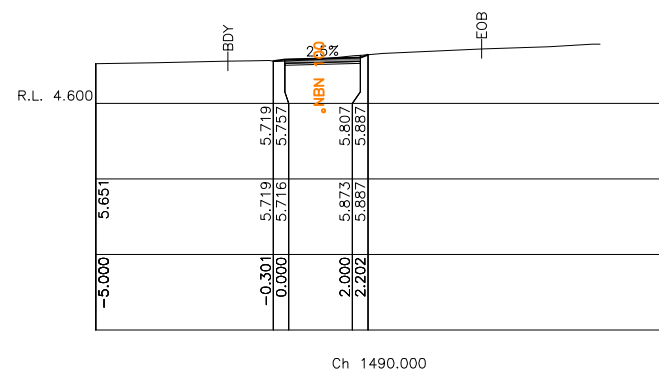
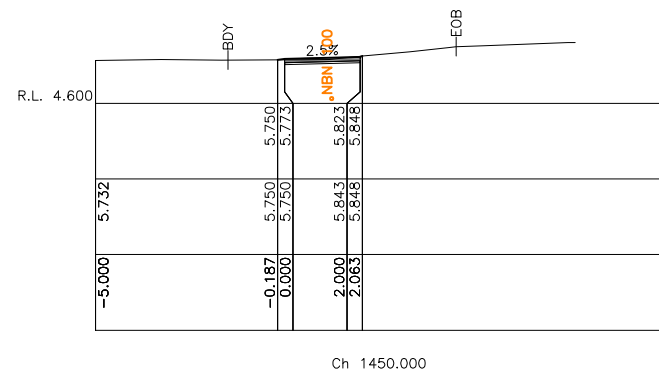
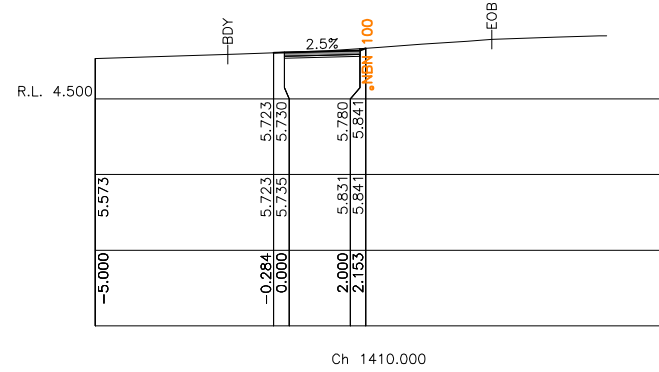
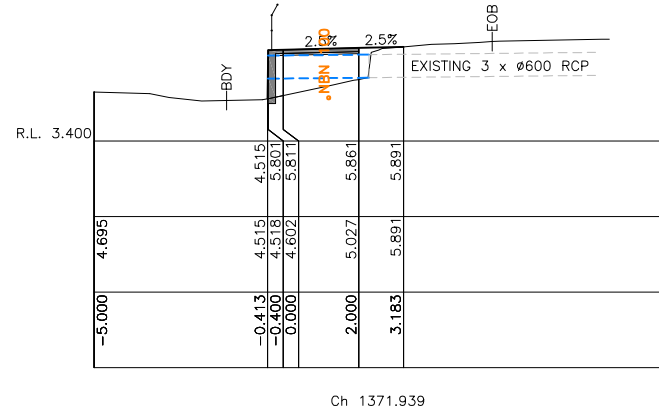
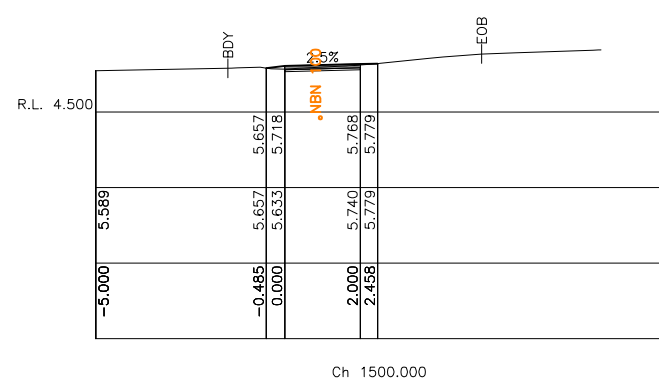
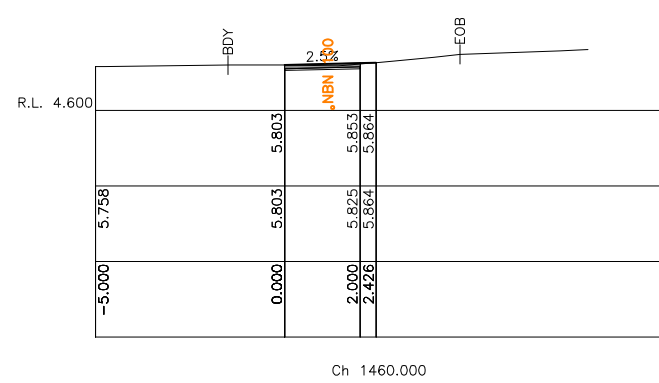
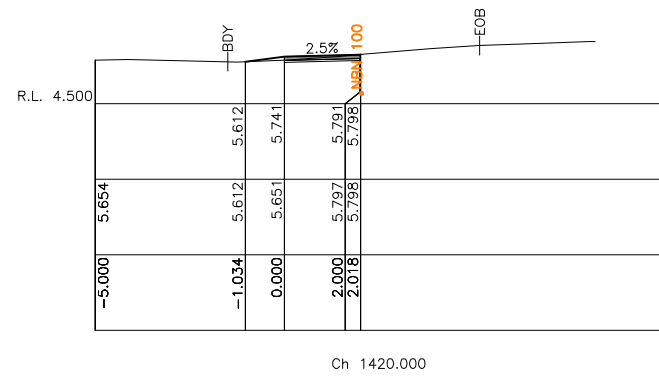
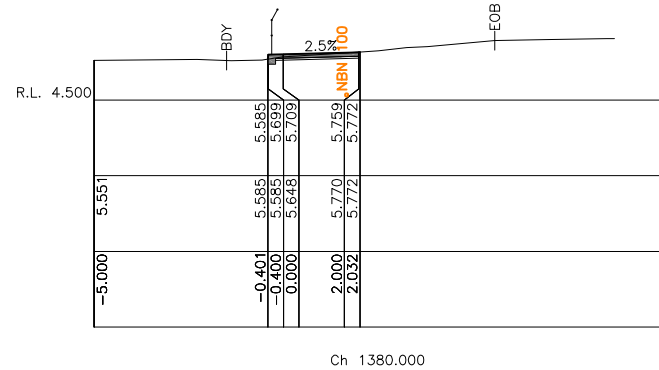
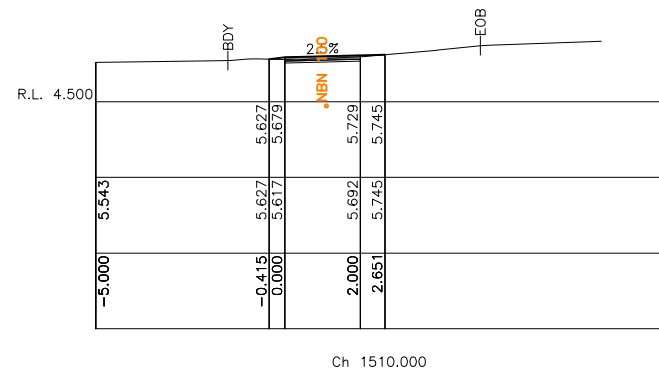
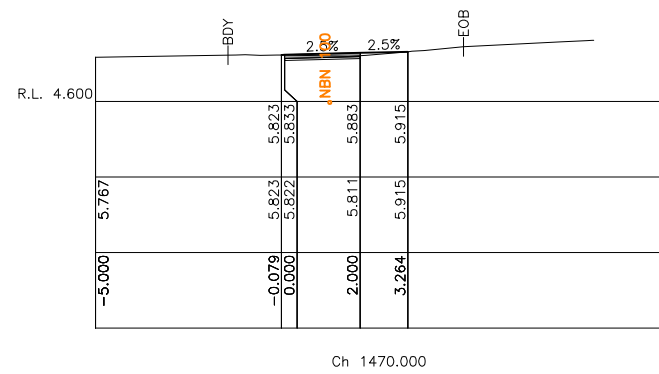
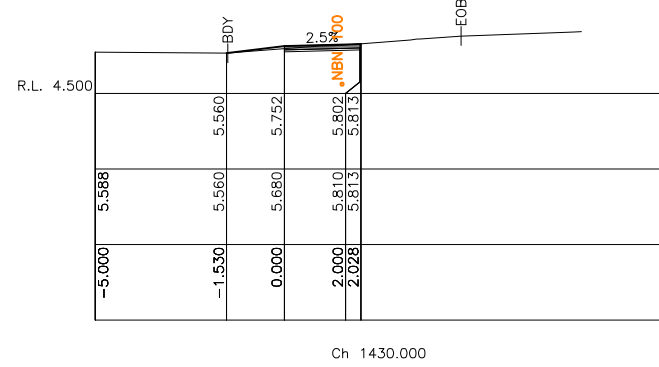
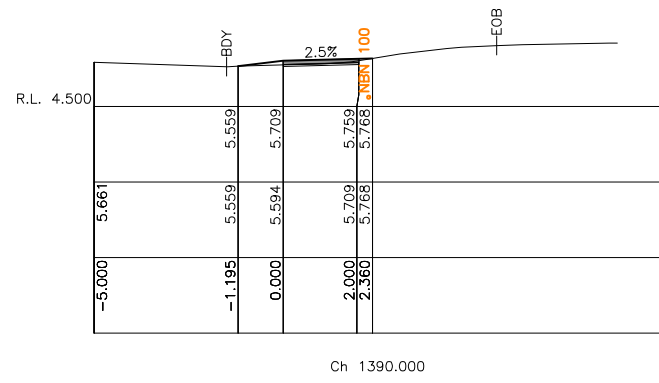
PATH CROSS SECTIONS - SHEET 9 OF 13

PLAN REFERENCE: 5515.17

DRAWING NO.: 2062-C17

ISSUE: B

SHEET 17 OF 26



BDY - EXISTING ROAD/PROPERTY BOUNDARY
EOB - EXISTING EDGE OF BITUMEN

ISSUED FOR CONSTRUCTION

SCALES ORIGINAL
1:100 A1

SURVEYOR: SCC
DATUM: AHD
AZIMUTH: MGA
DRAWN: AB
DESIGNED: AB
DESIGNED DATE: AUG 2021
CHECKED: AB



MURRAMARANG ROAD, BAWLEY POINT
PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA
PATH CROSS SECTIONS - SHEET 10 OF 13



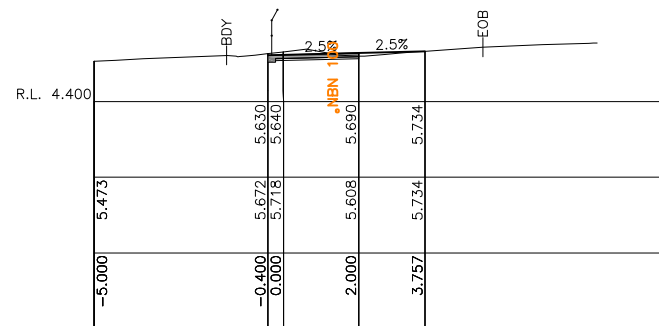
DRAWING NO. 2062-C18
ISSUE B
SHEET 18 OF 26

B	RE-ISSUED FOR CONSTRUCTION	18/10/21
A	ISSUED FOR CONSTRUCTION	24/09/21
ISSUE	DESCRIPTION	DATE

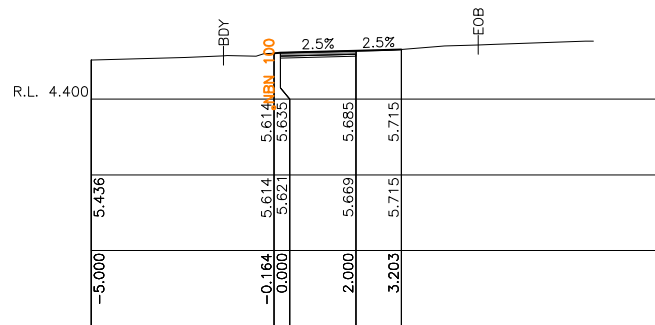
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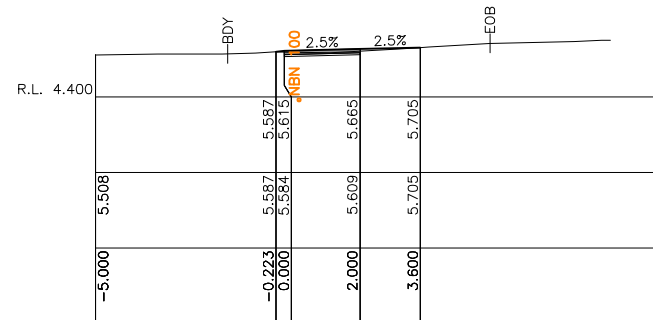
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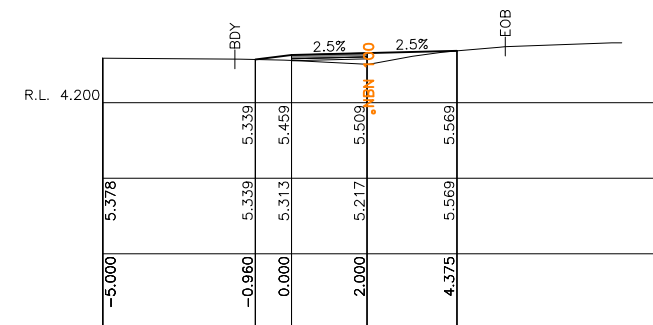
Ch 1550.000



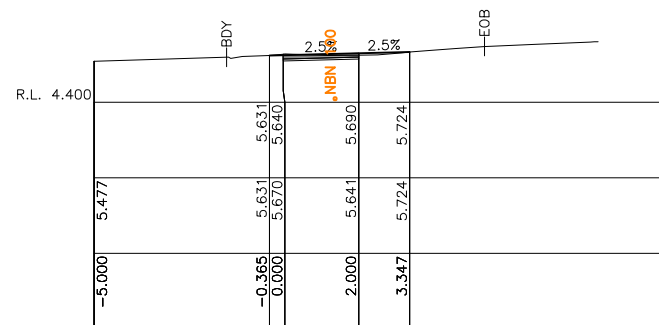
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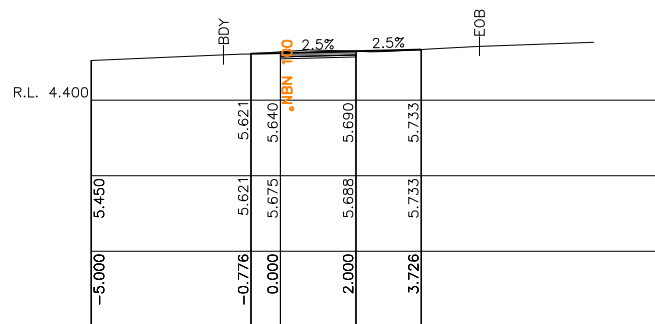
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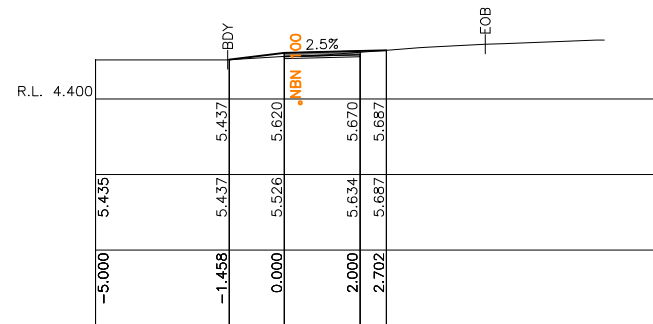
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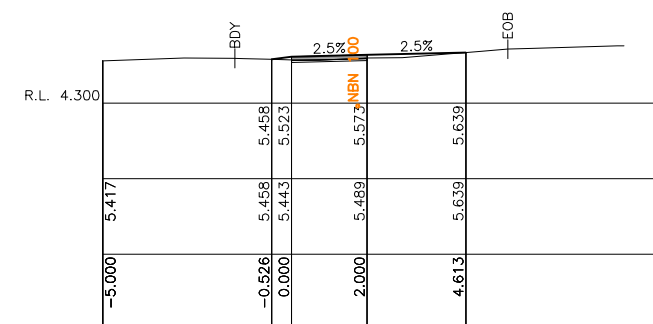
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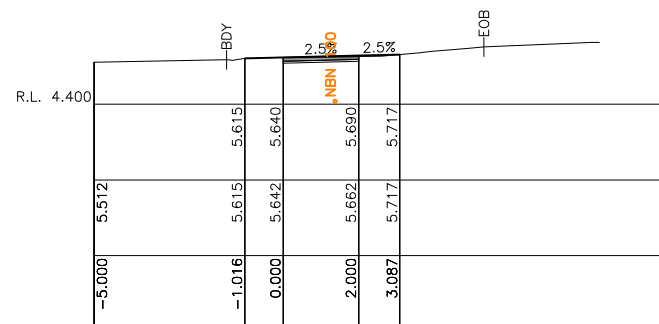
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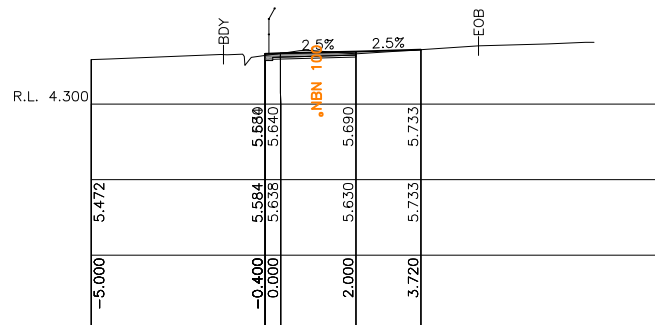
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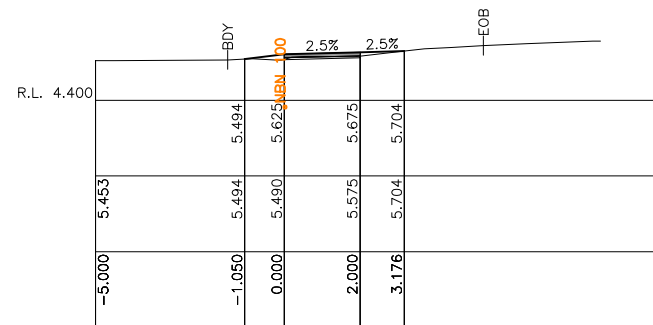
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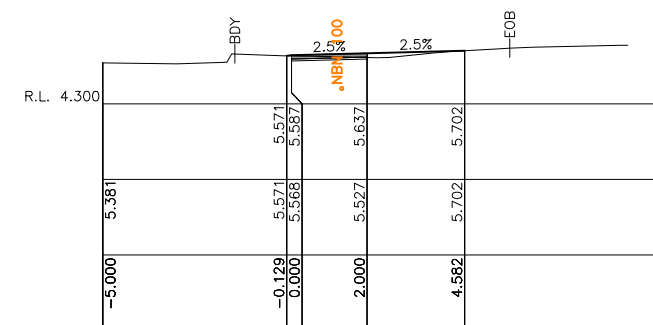
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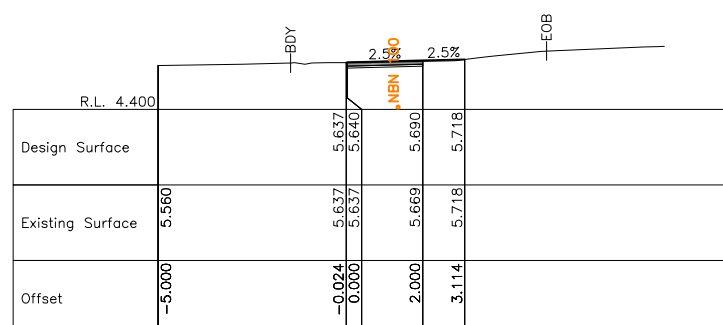
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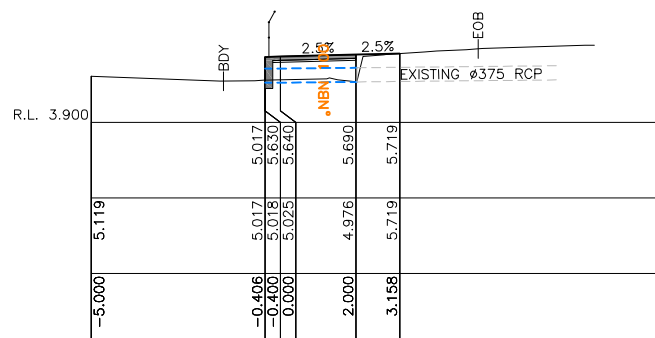
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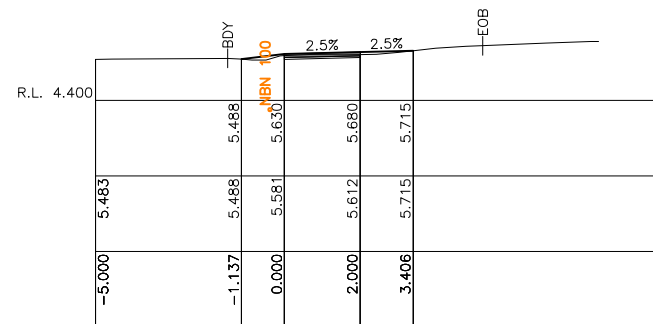
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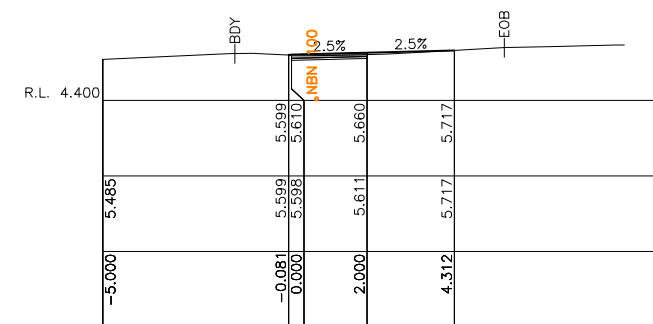
Ch 1520.000



Ch 1555.125



Ch 1590.000



Ch 1630.000

BDY - EXISTING ROAD/PROPERTY BOUNDARY
EOB - EXISTING EDGE OF BITUMEN

B	RE-ISSUED FOR CONSTRUCTION	18/10/21
A	ISSUED FOR CONSTRUCTION	24/09/21
ISSUE	DESCRIPTION	DATE

ISSUED FOR CONSTRUCTION

FOOTPRINT (NSW) PTY. LTD. AUTHORISE THE USE OF THIS DRAWING ONLY FOR THE PURPOSE DEMONSTRATED BY THE STATUS STAMP SHOWN ABOVE.

SCALES ORIGINAL

1:100 A1

CLIENT: Shoalhaven City Council

SURVEYOR:	SCC
DATUM:	AHD
AZIMUTH:	MGA
DRAWN:	AB
DESIGNED:	AB
DESIGNED DATE:	AUG 2021
CHECKED:	AB

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m. 0430 421 661

MURRAMARANG ROAD, BAWLEY POINT

PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA

PATH CROSS SECTIONS - SHEET 11 OF 13

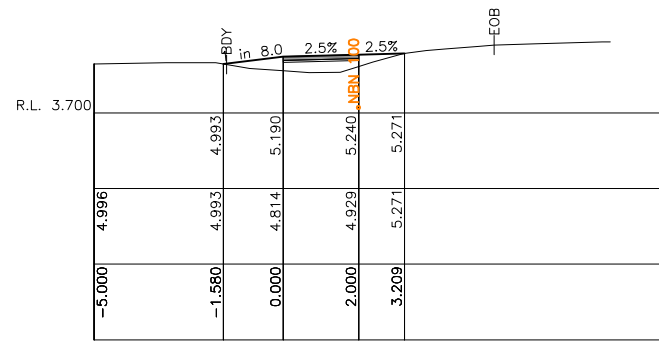
5515.19

PLAN REFERENCE

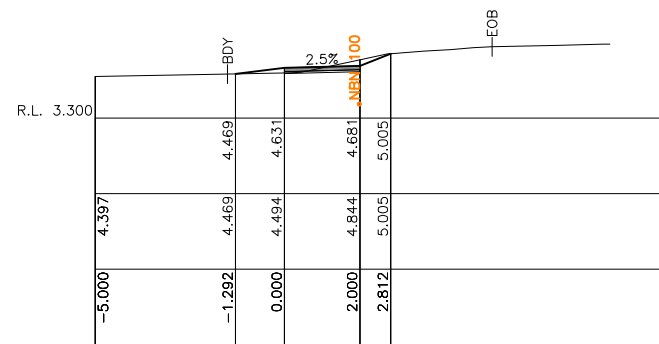
DRAWING NO. 2062-C19

ISSUE. B

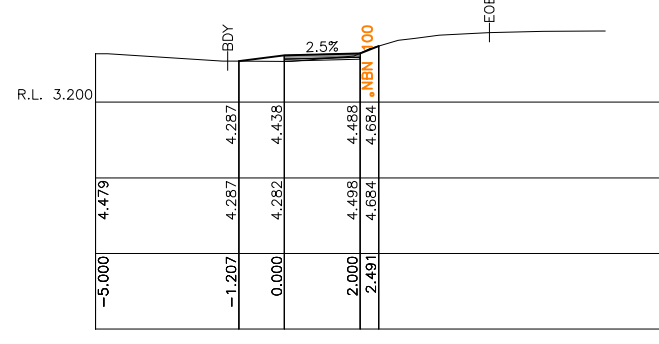
SHEET 19 OF 26



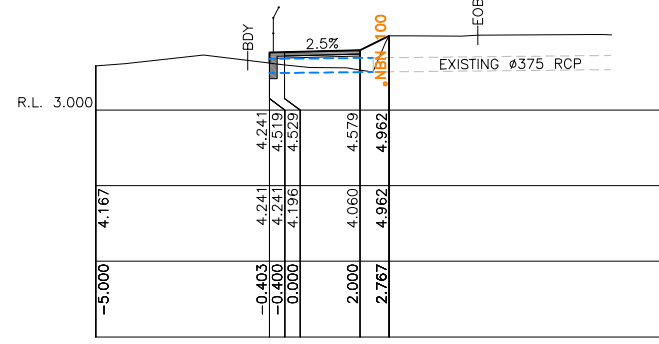
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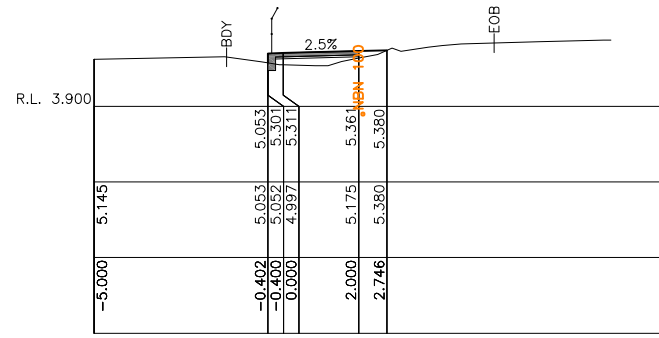
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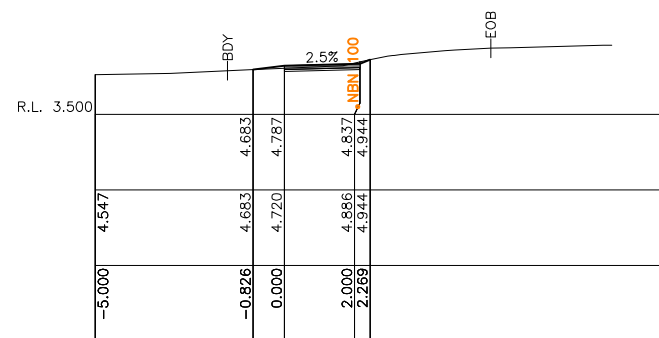
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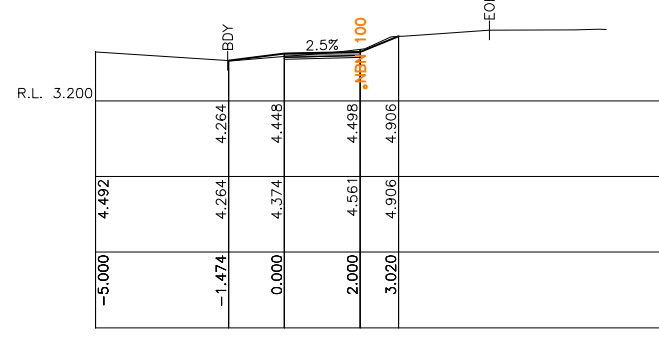
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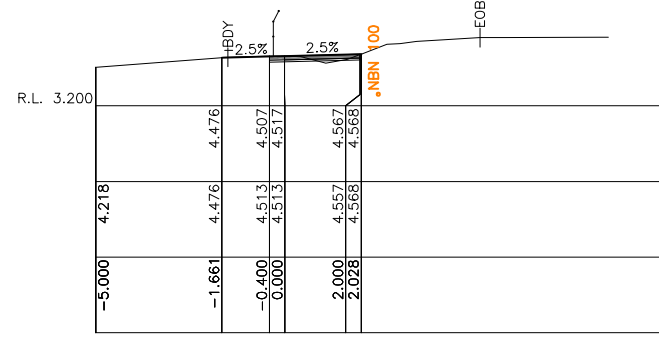
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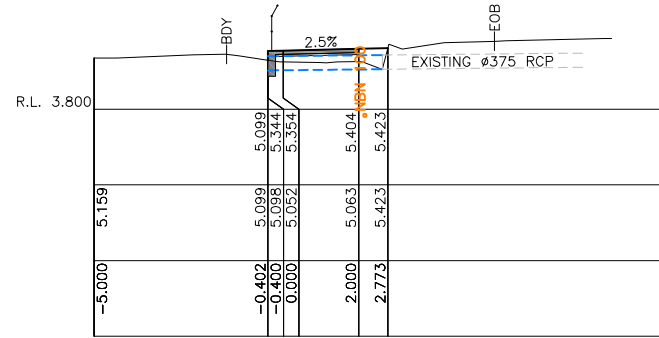
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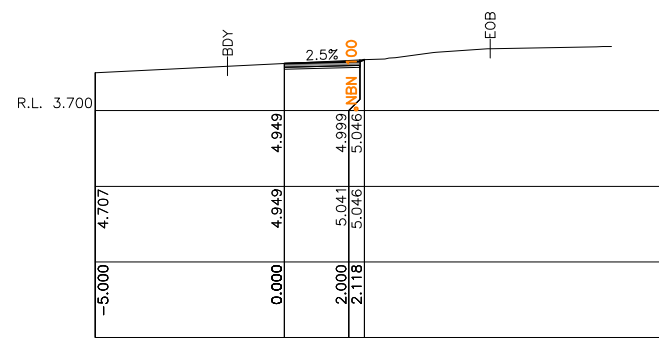
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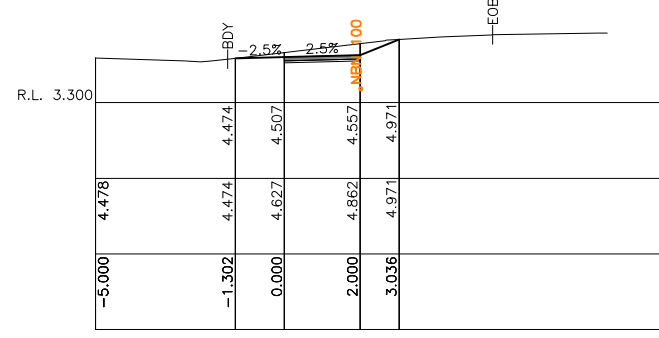
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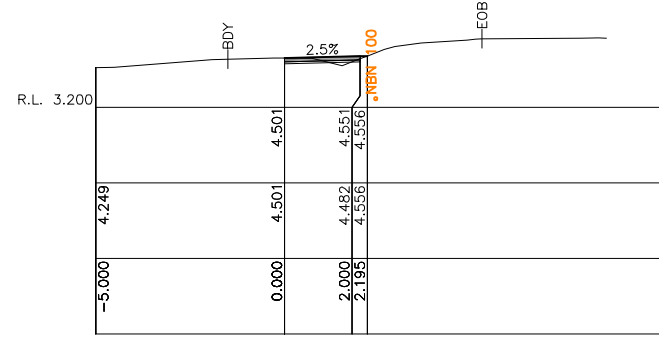
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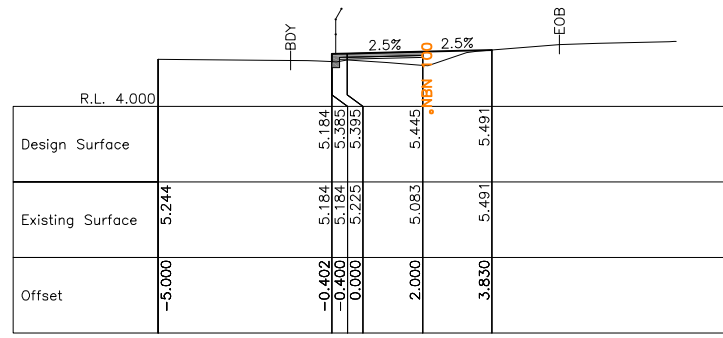
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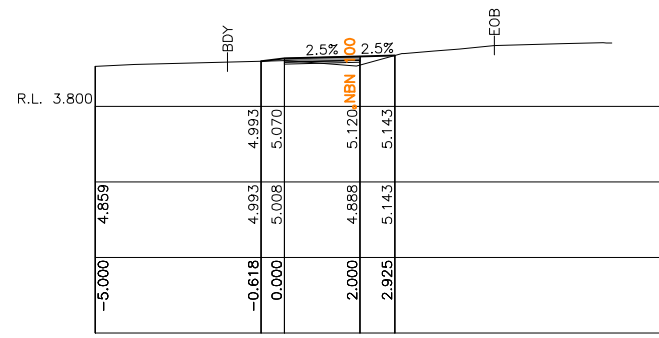
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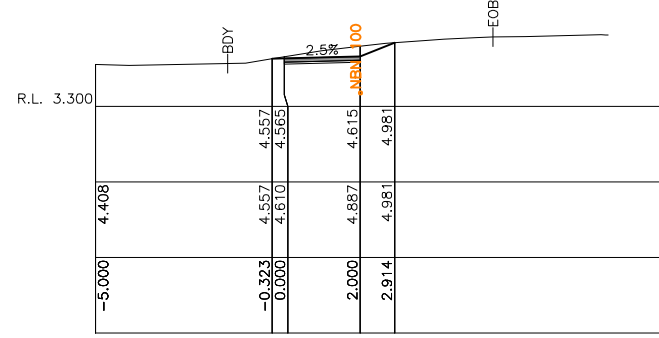
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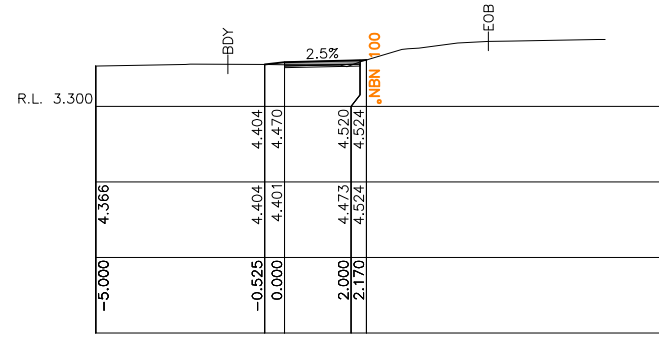
Ch 1670.000



Ch 1700.000



Ch 1740.000



Ch 1780.000

BDY - EXISTING ROAD/PROPERTY BOUNDARY
EOB - EXISTING EDGE OF BITUMEN

ISSUED FOR
CONSTRUCTION

SCALES ORIGINAL

1:100 A1

CLIENT:
Shoalhaven City Council

FOOTPRINT (NSW) PTY. LTD. AUTHORISE THE USE OF THIS DRAWING ONLY FOR THE PURPOSE DEMONSTRATED BY THE STATUS STAMP SHOWN ABOVE.

SURVEYOR: SCC
DATUM: AHD
AZIMUTH: MGA
DRAWN: AB
DESIGNED: AB
DESIGNED DATE: AUG 2021
CHECKED: AB



MURRAMARANG ROAD, BAWLEY POINT
PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA
PATH CROSS SECTIONS - SHEET 12 OF 13

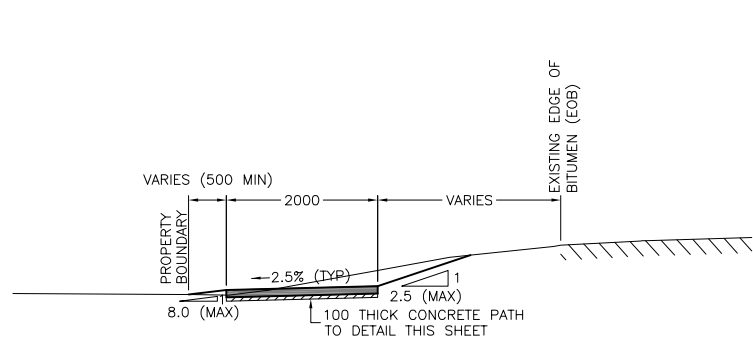


DRAWING NO. 2062-C20
ISSUE B
SHEET 20 OF 26

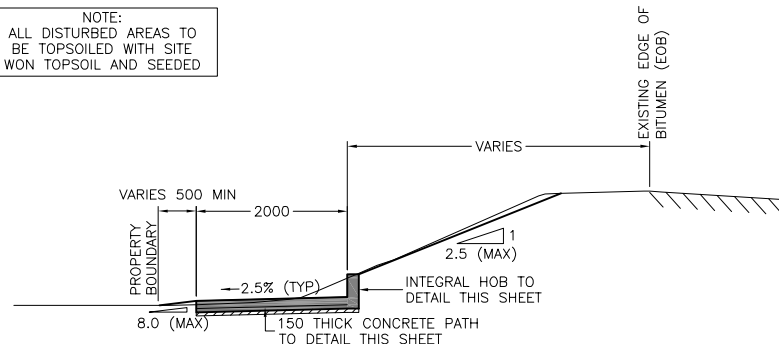
B	RE-ISSUED FOR CONSTRUCTION	18/10/21
A	ISSUED FOR CONSTRUCTION	24/09/21
ISSUE	DESCRIPTION	DATE

5515.20

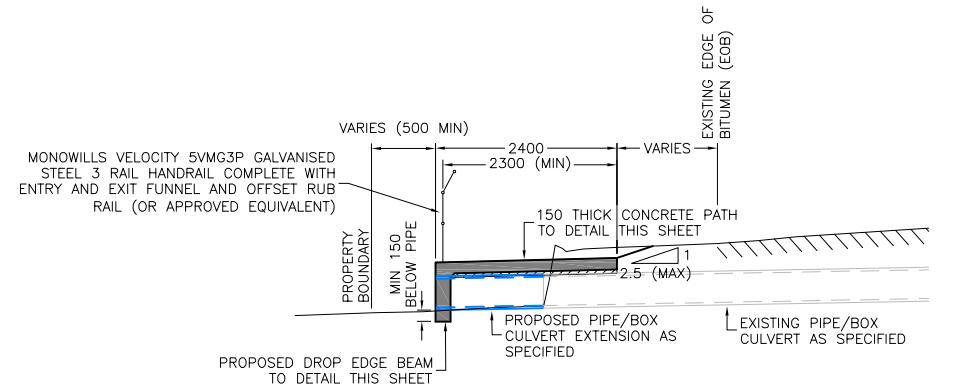
PLAN REFERENCE



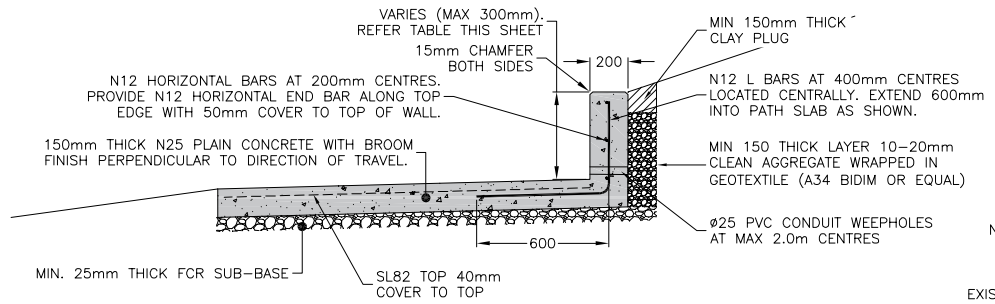
TYPICAL SHARED USER PATH CROSS SECTION
SCALE 1:50 @ A1, 1:100 @ A3



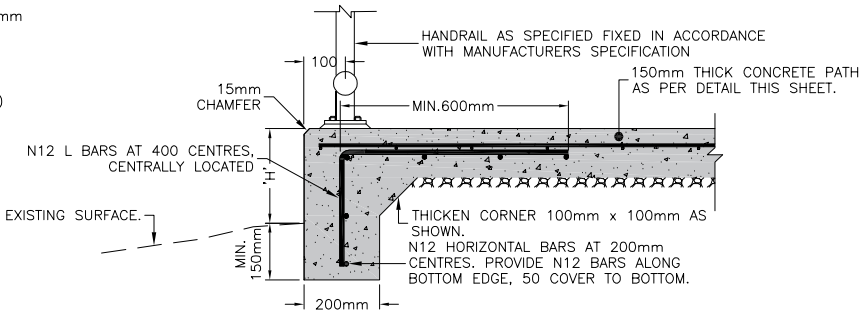
TYPICAL SHARED USER PATH CROSS SECTION WITH HOB
SCALE 1:50 @ A1, 1:100 @ A3



TYPICAL SHARED USER PATH CROSS SECTION AT CULVERT CROSSING
SCALE 1:50 @ A1, 1:100 @ A3



CONCRETE HOB DETAIL
SCALE 1:10 @ A1, 1:20 @ A3



DROP EDGE BEAM DETAIL
SCALE 1:10 @ A1, 1:20 @ A3

DROP EDGE BEAM TABLE

FROM CH	TO CH	MAX HEIGHT 'H'
451.661	471.661	765mm
630.000	650.000	1430mm
710.000	720.000	630mm
810.000	830.000	770mm
905.000	925.000	770mm
1360.000	1380.000	1260mm
1550.000	1560.000	690mm
1670.000	1680.000	670mm
1795.000	1805.000	540mm

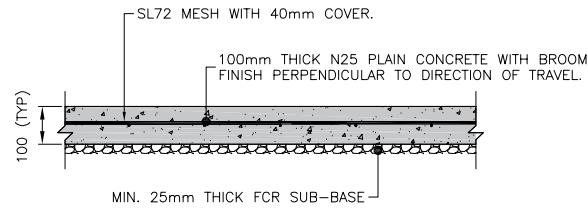
PATH TYPE TABLE

FROM CH	TO CH	TYPE
10.000	18.665	STANDARD
18.665	25.046	TRAFFICABLE
25.046	35.300	STANDARD
35.300	41.300	TRAFFICABLE
41.300	80.000	STANDARD
80.000	98.377	TRAFFICABLE
98.377	792.400	ARTICULATED
792.400	799.800	TRAFFICABLE
799.800	973.855	ARTICULATED
991.634	1055.678	STANDARD
1055.678	1059.285	TRAFFICABLE
1059.285	1174.700	ARTICULATED
1174.700	1200.000	TRAFFICABLE
1200.000	1930.708	ARTICULATED

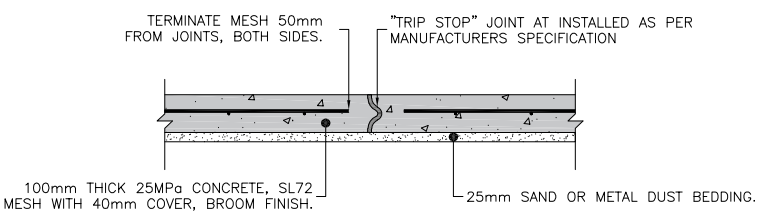
CONCRETE HOB TABLE

FROM CH	TO CH	HEIGHT
335.000	390.000	300mm
432.609	480.000	250mm
570.000	583.055	150mm
1805.000	1885.000	300mm

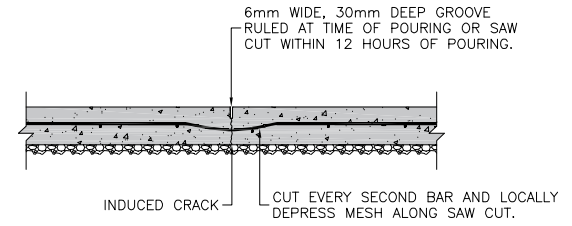
NOTE: PROVIDE N12 TRIMMER BARS ALL AROUND PIPE AND BOX CULVERT PENETRATIONS



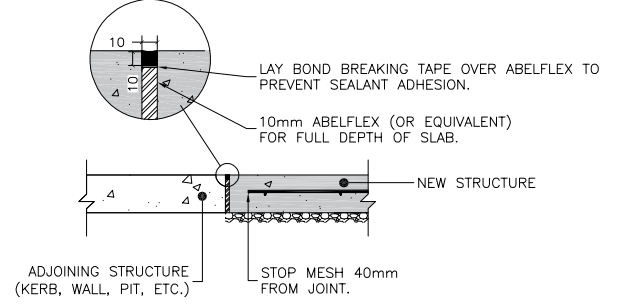
STANDARD CONCRETE PATH DETAIL
SCALE 1:10 @ A1, 1:20 @ A3



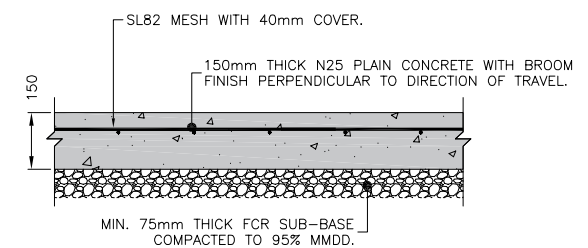
ARTICULATED PATH DETAIL
SCALE 1:10 @ A1, 1:20 @ A3



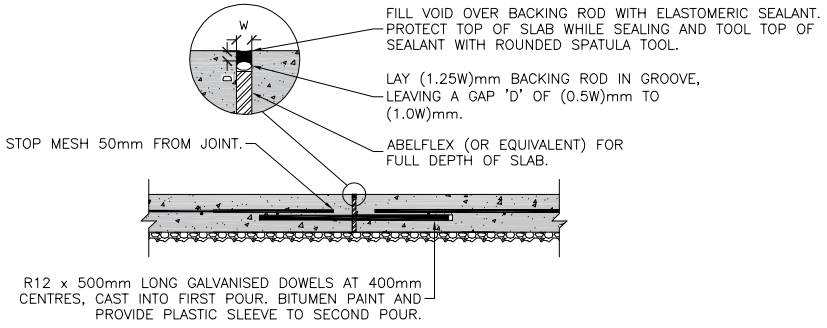
SAW CUT CONTRACTION JOINT DETAIL
SCALE 1:10 @ A1, 1:20 @ A3



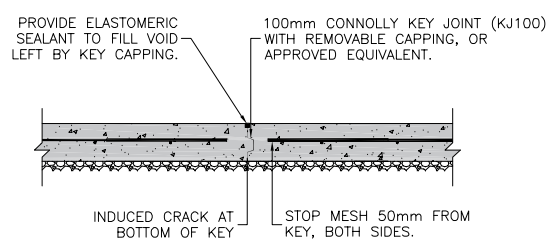
ISOLATION JOINT DETAIL
SCALE 1:10 @ A1, 1:20 @ A3



TRAFFICABLE CONCRETE PATH DETAIL
SCALE 1:10 @ A1, 1:20 @ A3



DOWELLED EXPANSION JOINT DETAIL
SCALE 1:10 @ A1, 1:20 @ A3



KEY CONTRACTION JOINT DETAIL
SCALE 1:10 @ A1, 1:20 @ A3

SHARED PATH JOINTING NOTES

- SAW CUT/ARTICULATED JOINTS TO BE PLACED LATERALLY AT INTERVALS NOT EXCEEDING 1 X PATH WIDTH (i.e. 2.0m TYPICAL). SAW CUTS CAN BE SUBSTITUTED WITH KEY JOINTS.
- FOR OTHER THAN ARTICULATED PATH DOWELLED EXPANSION JOINTS OR KEY JOINTS TO BE PLACED LATERALLY AT INTERVALS NOT EXCEEDING 3 X PATH WIDTH (I.E. 6m TYPICAL), REPLACING THE SAW CUT JOINT AT THAT INTERVAL. FOR ARTICULATED PATH ARTICULATED JOINTS ARE TO BE USED THROUGHOUT.
- ISOLATION JOINTS TO BE USED BETWEEN NEW STRUCTURES AND ADJOINING STRUCTURES (e.g. BETWEEN NEW SLABS AND EXISTING KERBS, PITS OR DRIVEWAYS).

ISSUE	DESCRIPTION	DATE
B	RE-ISSUED FOR CONSTRUCTION	18/10/21
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ISSUED FOR CONSTRUCTION

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SCALES: AS NOTED

ORIGINAL: A1

CLIENT: Shoalhaven City Council

SURVEYOR:	SCC
DATUM:	AHD
AZIMUTH:	MGA
DRAWN:	AB
DESIGNED:	AB
DESIGNED DATE:	AUG 2021
CHECKED:	AB

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a. 15 meehan drive
kiama downs nsw 2533
p. 02 4237 6770
m. 0430 421 661

MURRAMARANG ROAD, BAWLEY POINT

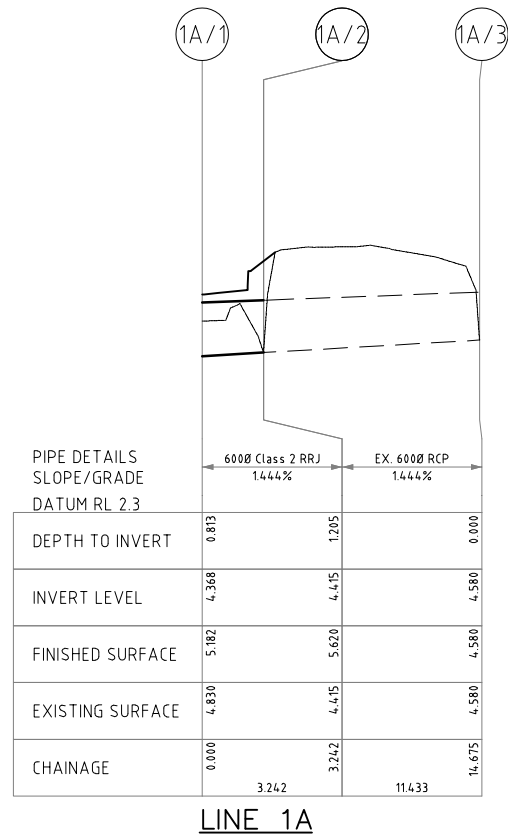
PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA
TYPICAL SECTIONS AND DETAILS

Shoalhaven City Council
PLAN REFERENCE: 5515.22

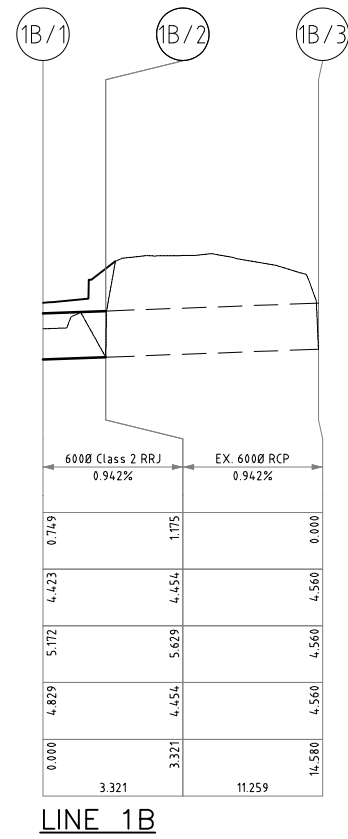
DRAWING NO. 2062-C22

ISSUE: B

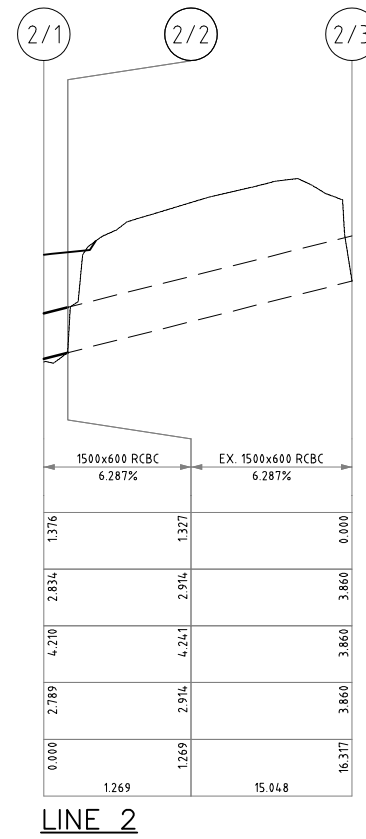
SHEET 22 OF 26



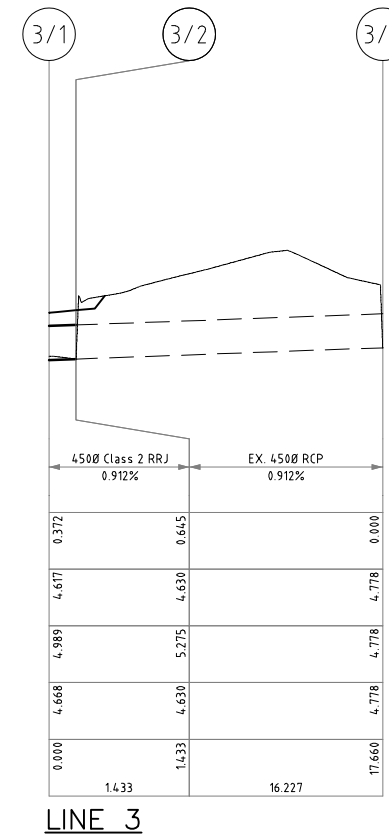
LINE 1A



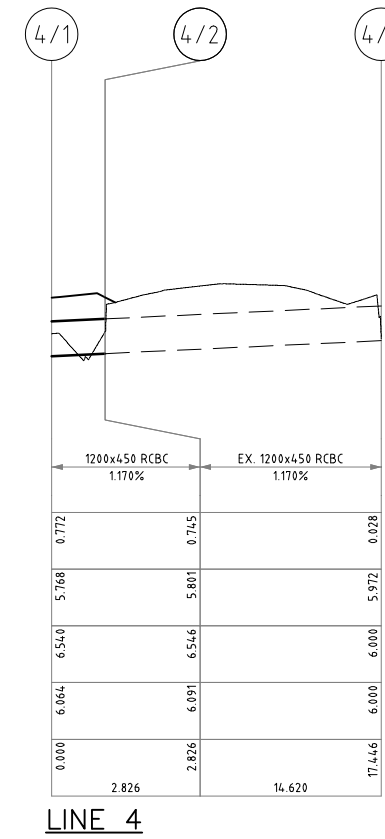
LINE 1B



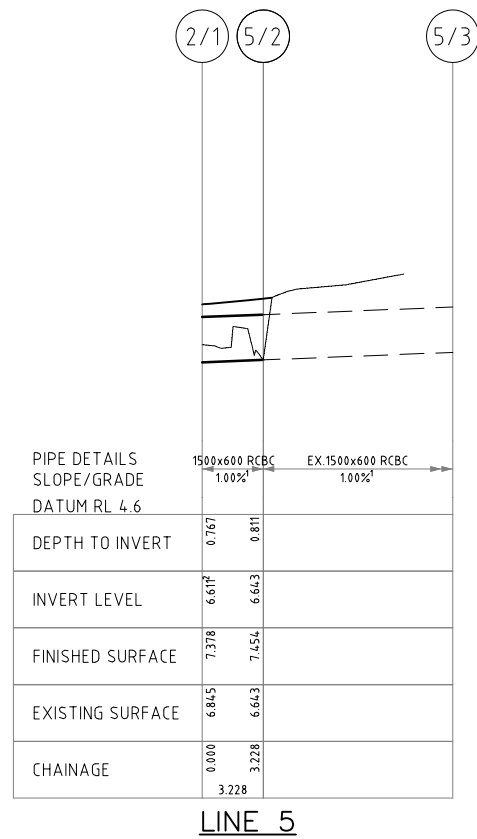
LINE 2



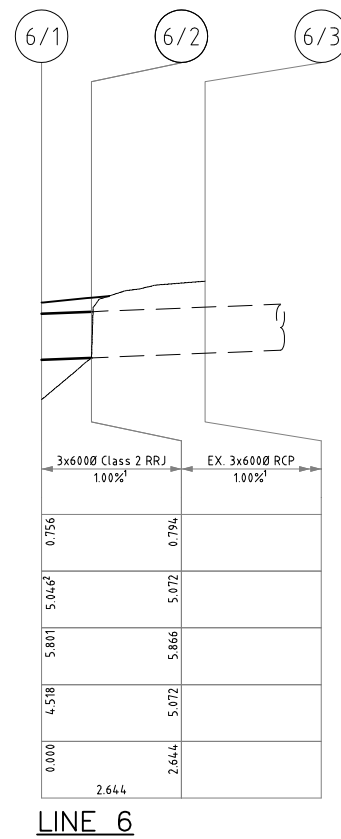
LINE 3



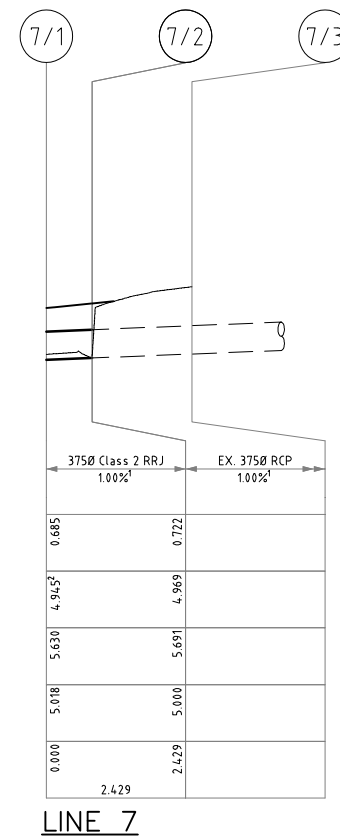
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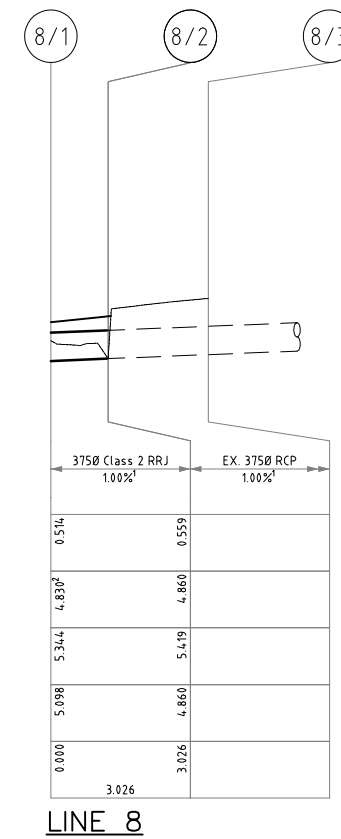
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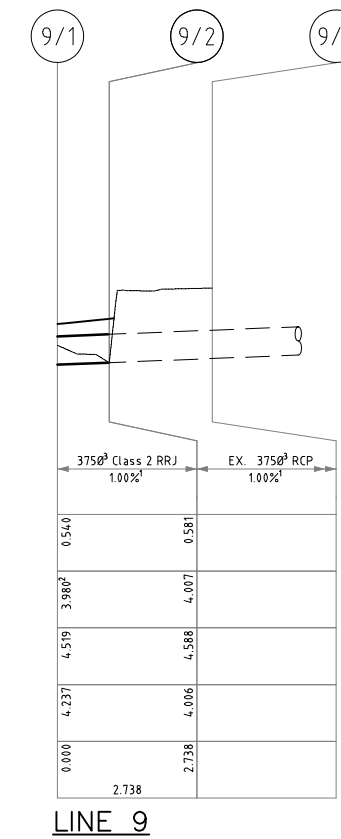
LINE 6



LINE 7



LINE 8



LINE 9

NOTES:

- UPSTREAM INVERT LEVEL NOT SURVEYED. 1.00% GRADIENT ASSUMED. GRADIENT TO BE CONFIRMED BY CONTRACTOR.
- DOWNSTREAM INVERT LEVEL NOMINATED BASED ON NOMINAL 1.00% GRADIENT. ACTUAL INVERT LEVEL TO BE BASED ON MATCHING EXISTING PIPE/CULVERT GRADIENT.
- PIPE SIZE NOT CONFIRMED BY SURVEY DUE TO INACCESSIBILITY. PIPE SIZE TO BE CONFIRMED BY CONTRACTOR AND PIPE EXTENSION TO MATCH EXISTING

DRAINAGE LONGITUDINAL SECTIONS

SCALES H 1:200 @ A1, 1:400 @ A3
V 1:50 @ A1, 1:100 @ A3

ISSUE	DESCRIPTION	DATE
B	RE-ISSUED FOR CONSTRUCTION	18/10/21
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ISSUED FOR CONSTRUCTION

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AS NOTED	A1	DATUM:	AHD
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		DRAWN:	AB
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		DESIGNED DATE:	AUG 2021
		CHECKED:	AB

CLIENT: Shoalhaven City Council

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kiama downs nsw 2533
p. 02 4237 6770
m. 0430 421 661

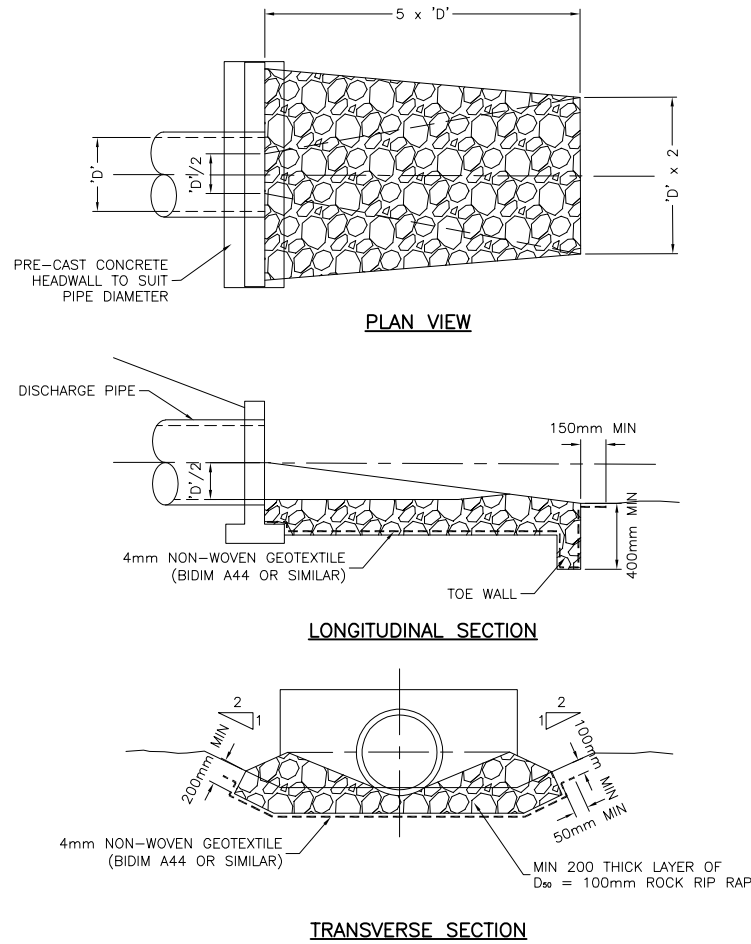
MURRAMARANG ROAD, BAWLEY POINT
PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA
DRAINAGE LONGITUDINAL SECTIONS

Shoalhaven City Council
PLAN REFERENCE
5515.23

DRAWING NO.
2062-C23

ISSUE.
B

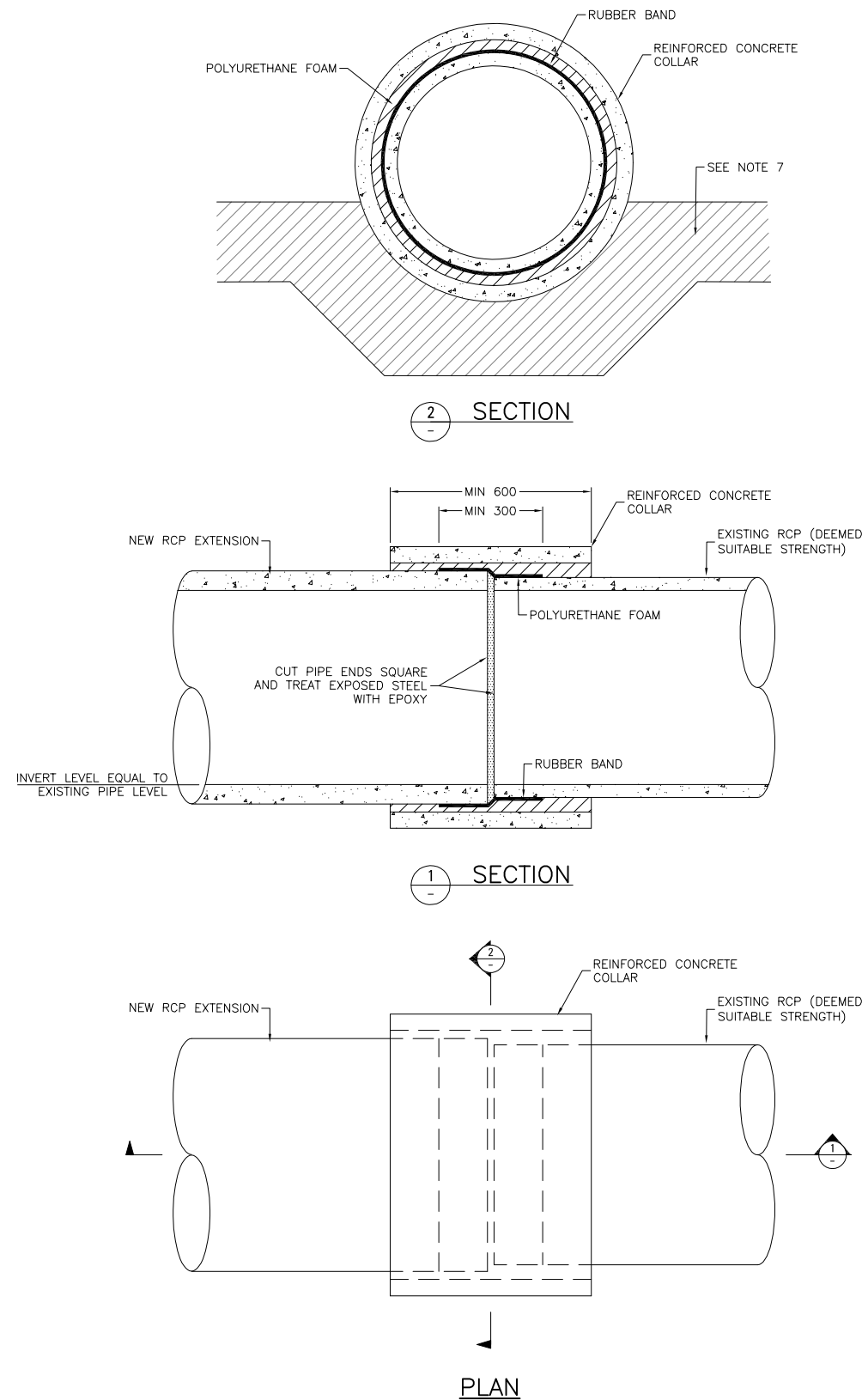
SHEET 23 OF 26



DETAIL 1 – OUTLET SCOUR PROTECTION
NOT TO SCALE
(REQUIRED AT EACH OUTLET)

OUTLET SCOUR PROTECTION NOTES:

1. COMPACT THE SUBGRADE TO THE DENSITY OF THE SURROUNDING UNDISTURBED MATERIAL
2. PREPARE A SMOOTH, EVEN FOUNDATION FOR THE STRUCTURE THAT WILL ENSURE THAT THE GEOTEXTILE DOES NOT SUSTAIN SERIOUS DAMAGE WHEN COVERED WITH ROCK
3. SHOULD ANY MINOR DAMAGE TO THE GEOTEXTILE OCCUR, REPAIR IT BEFORE SPREADING ANY ROCK. FOR REPAIRS, PATCH ONE PIECE OF FABRIC OVER THE DAMAGE, MAKING SURE THAT ALL JOINTS AND PATCHES OVERLAP BY MIN 300mm.
4. CAREFULLY LAY ROCK CONFORMING TO GRADING SHOWN ON DRAWING.



DETAIL 2 – TYPICAL BANDAGE JOINT DETAIL
NOT TO SCALE
(REQUIRED AT JOINT BETWEEN EACH EXISTING AND NEW PIPE)
ALTERNATIVE PROPRIETARY PRODUCTS (I.E. FLEX COUPLING) MAY BE CONSIDERED IN LIEU OF CONCRETE COLLAR SUBJECT TO APPROVAL FROM THE SUPERINTENDENT

BANDAGE JOINT NOTES:

1. FOUNDATION AND TRENCH BASES MUST COMPLY WITH RMS R11 STORMWATER DRAINAGE SPECIFICATIONS
2. RUBBER BAND MUST COMPLY WITH AS 1646
3. CONCRETE COLLAR MUST COMPLY WITH RMS R11 SPECIFICATION AND MUST BE CLASS 4
4. NEW EXTENSION PIPE DIAMETER MUST BE EQUAL TO OR LARGER THAN THE EXISTING PIPE DIAMETER
5. CONCRETE COLLAR SIZE MUST BE TWO SIZES ABOVE THE NEW PIPE TO PROVIDE 25mm ALL ROUND FOR POLYURETHANE FOAM.
6. BACKFILL MATERIAL TO BE AS SPECIFIED IN RMS R11 SPECIFICATION
7. FLOWABLE FILL IN ACCORDANCE WITH R11 AND AS3725 MUST BE USED TO BACKFILL TO VOID UNDER THE COLLAR TO TOP OF HAUNCH ZONE.

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MURRAMARANG ROAD, BAWLEY POINT
PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA
DRAINAGE DETAILS

Shoalhaven City Council
PLAN REFERENCE
5515.24

DRAWING NO.
2062-C24

ISSUE.
B

SHEET 24 OF 26

GENERAL REQUIREMENTS

1. THE FOLLOWING EROSION AND SEDIMENT CONTROL PRINCIPLES PLAN (ESCP) DEMONSTRATES THE APPLICATION OF AN INDICATIVE SUITE OF MANAGEMENT MEASURES AND HAS BEEN DEVELOPED IN GENERAL ACCORDANCE WITH LANDCOM (2004) – MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION, OTHERWISE KNOWN AS "THE BLUE BOOK".
2. THE CONTRACTOR SHALL BE AT ALL TIMES RESPONSIBLE FOR TAILORING THIS PLAN TO SUIT SITE CONDITIONS. AS CONSTRUCTION PROGRESSES THE CONTRACTOR SHALL AMEND THE EROSION AND SEDIMENT CONTROL PLAN ACCORDINGLY.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY ALL TIMES TO ENSURE THAT THE EROSION AND SEDIMENT MANAGEMENT MEASURES COMPLY WITH THE REQUIREMENTS OF THE BLUE BOOK.

SITE ESTABLISHMENT

PRIOR TO THE COMMENCEMENT OF EARTHWORKS ON THE SITE THE FOLLOWING SHALL BE UNDERTAKEN AS A MINIMUM:

4. ERECT SAFETY FENCING WITH SIGNAGE CLEARLY INDICATING THAT THE SITE IS A CONSTRUCTION ZONE AND ACCESS IS RESTRICTED AS DEEMED NECESSARY.
5. ERECT CLEARLY VISIBLE BARRIER FENCING AT LOCATIONS SHOWN OR IF NOT SHOWN AT THE DISCRETION OF THE SITE SUPERINTENDENT TO ENSURE TRAFFIC IS CONTROLLED AND TO PROHIBIT UNNECESSARY SITE DISTURBANCE.
6. INSTALL STABILISED SITE ACCESS IN ACCORDANCE WITH STANDARD DRAWING SD6-14 AT EACH SITE ACCESS POINT TO PREVENT CONSTRUCTION EQUIPMENT FROM CARRYING SEDIMENT OFF THE SITE ONTO SURROUNDING ROADS.
7. INSTALL SEDIMENT AND EROSION CONTROL DEVICES IN ACCORDANCE WITH THE CONSTRUCTION DETAILS SPECIFIED IN THIS DRAWING SET AND/OR THE REQUIREMENTS OF THE 'BLUE BOOK'.

CONSTRUCTION

8. TOPSOIL, FROM ALL AREAS TO BE DISTURBED, SHALL BE STRIPPED PRIOR TO CONSTRUCTION OF ANY WORKS AND STOCKPILED AND LATER RESPREAD TO AID REVEGETATION IN LOCATIONS WHERE SHOWN ON THIS DRAWING. TOPSOIL SHALL BE STOCKPILED IN WINDROWS OUTSIDE OF MAJOR FLOW AREAS.
9. ALL DRAINAGE WORKS SHALL BE CONSTRUCTED AND STABILISED AS EARLY AS POSSIBLE DURING DEVELOPMENT.
10. ALL TAIL-OUT DRAINS SHALL BE GRASSED AND TRAPEZOIDAL IN SECTION. HAY BALES SHALL BE PLACED AS A SEDIMENTATION CONTROL DEVICE WHERE REQUIRED.
11. ALL DISTURBED AREAS SHALL BE REVEGETATED AS SOON AS THE RELEVANT WORKS ARE COMPLETED. TOPSOIL SHALL BE AMELIORATED AND COMPOSTED TO LANDSCAPE ARCHITECTS SPECIFICATIONS.
12. INLET FILTERS WILL BE INSTALLED WHERE SHOWN TO PREVENT WATER FROM DIRECTLY ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE. IF THE LOCATION OF INLET FILTERS ARE NOT SHOWN ON THE PLAN THEIR LOCATION SHALL BE AT THE DISCRETION OF THE SUPERINTENDENT.

STOCKPILES

13. SPOIL AND TOPSOIL STOCKPILES SHALL BE LOCATED NO CLOSER THAN 5m FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
14. IF STOCKPILES ARE TO BE IN PLACE FOR LONGER THAN 10 DAYS THEN THEY SHALL BE STABILISED BY COVERING WITH MULCH OR WITH TEMPORARY VEGETATION.
15. STOCKPILES SHALL BE IN WINDROWS NO HIGHER THAN 2m HIGH AND SHALL HAVE BATTER SLOPES NO STEEPER THAN 1 IN 2. AN EARTH BANK SHALL BE INSTALLED ON THE UPSLOPE SIDE AND SEDIMENT FENCING SHALL BE INSTALLED ALONG THE LENGTH OF THE DOWNSLOPE SIDE ON ANY STOCKPILE.

MAINTENANCE

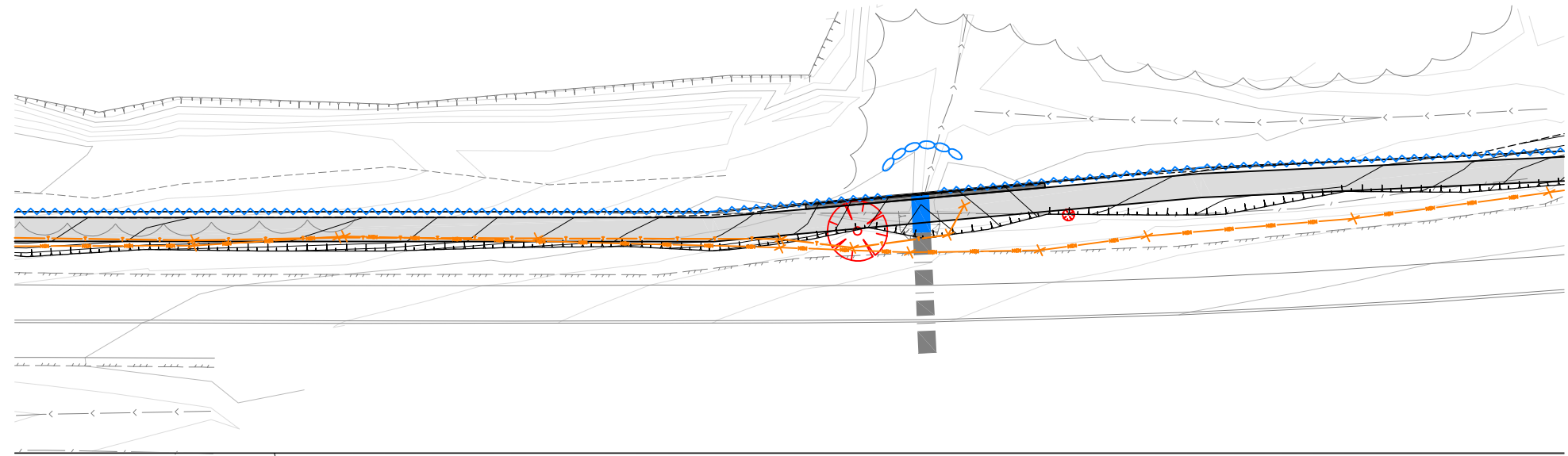
16. ALL SEDIMENT BASINS AND TRAPS SHALL BE CLEANED WHEN THE STRUCTURES ARE A MAXIMUM OF 60% FULL OF SOLID MATERIALS (INCLUDING DURING THE MAINTENANCE PERIOD) AND DISPOSED OF IN A MANNER THAT PREVENTS FURTHER POLLUTION OF THE SITE.
17. TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES WILL BE RETAINED UNTIL AFTER THE LANDS THEY ARE PROTECTING, ARE COMPLETELY REHABILITATED.
18. THE CONTRACTOR WILL INSPECT THE SITE AT LEAST WEEKLY OR AFTER ANY STORM EVENT AND WILL:
 - ENSURE THAT DRAINS OPERATE PROPERLY AND TO EFFECT ANY NECESSARY REPAIRS;
 - REMOVE SPILLED SAND OR OTHER MATERIALS FROM HAZARD AREAS (E.G. LANDS CLOSER THAN FIVE METRES FROM AREAS OF LIKELY CONCENTRATED OR HIGH VELOCITY FLOWS ESPECIALLY DRAINS, WATERWAYS AND PAVED AREAS);
 - REMOVE TRAPPED SEDIMENT WHENEVER LESS THAN DESIGN CAPACITY REMAINS WITHIN THE STRUCTURE;
 - ENSURE REHABILITATED LANDS HAVE EFFECTIVELY REDUCED THE EROSION HAZARD AND TO INITIATE UPGRADING OR REPAIR AS APPROPRIATE;
 - CONSTRUCT ADDITIONAL EROSION AND/OR SEDIMENT CONTROL WORKS AS REQUIRED;
 - MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES IN A FULLY FUNCTIONING CONDITION UNTIL ALL EARTHWORK ACTIVITIES ARE COMPLETED AND THE SITE IS REHABILITATED; AND
 - REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL STRUCTURES AS THE LAST ACTIVITY IN THE REHABILITATION PROGRAM.
19. A SELF-AUDITING PROGRAM WILL BE ESTABLISHED BASED ON A CHECK SHEET. A SITE INSPECTION USING THE CHECK SHEET WILL BE MADE BY THE CONTRACTOR:
 - AT LEAST WEEKLY;
 - IMMEDIATELY BEFORE SITE CLOSURE;
 - IMMEDIATELY BEFORE FORECAST RAIN AND AFTER RAINFALL.
 - ENTRIES WILL INCLUDE (BUT ARE NOT LIMITED TO):
 - THE VOLUME AND INTENSITY OF ANY RAINFALL EVENTS;
 - THE CONDITION AND MAINTENANCE OF ANY SOIL AND WATER MANAGEMENT PLAN WORKS;
 - THE CONDITION OF VEGETATION AND ANY NEED TO IRRIGATE;
 - THE NEED FOR DUST PREVENTION STRATEGIES; AND
 - ANY REMEDIAL WORKS TO BE UNDERTAKEN.
 - A SIGNED DUPLICATE OF THE CHECK SHEET SHOULD BE FORWARDED TO THE PROJECT MANAGER WEEKLY FOR THEIR INFORMATION. ALL CHECK SHEETS SHOULD BE COLLATED, KEPT ON-SITE AND MADE AVAILABLE TO ANY AUTHORISED PERSON ON REQUEST.

REVEGETATION

20. TOPSOIL SHALL BE RESPREAD TO A MINIMUM DEPTH OF 75mm TO ALL DISTURBED AREAS IN ACCORDANCE WITH SD4-2
21. ALL DISTURBED AREAS OUTSIDE THOSE AREAS REQUIRING SPECIFIC LANDSCAPE TREATMENTS (I.E WETLANDS, WATERCOURSES, PLANTING BEDS ETC) SHALL BE REVEGETATED WITH THE FOLLOWING GRASS SEED MIX AT THE NOMINATED APPLICATION RATES:-

AUTUMN/WINTER	kg/Ha	SPRING/SUMMER	kg/Ha
RYE, CORN OR OATS	15	JAPANESE MILLET	24
WIMMERA RYEGRASS	10	WIMMERA RYEGRASS	8
WHITE CLOVER	5	RED CLOVER	5
RED CLOVER	5	WHITE CLOVER	5
		COUCH	8

22. IF THE AREAS ARE SOWN IN THE AUTUMN/WINTER PERIOD, IT MAY BE NECESSARY TO OVERSOW IN THE SPRING/SUMMER PERIOD WITH THAT MIXTURE CONTAINING A PERENNIAL GRASS MIXTURE (eg. COUCH). ALSO AT SOWING AN APPROPRIATE FERTILISER SHALL BE APPLIED EVENLY AT A RATE OF 250kg/ha HAVING AN ANALYSIS OF 10 : 3.9 : 6.2 NITROGEN, PHOSPHORIC ACID, POTASH COMPOUND.
23. THE CONTRACTOR SHALL MAINTAIN GRASS COVER UNTIL ALL WORKS HAVE BEEN COMPLETED INCLUDING THE MAINTENANCE PERIOD, BY FREQUENT WATERING AND MOWING WHERE REQUIRED.



EROSION AND SEDIMENT CONTROL PRINCIPLES PLAN

SCALE 1:250 @ A1
1:500 @ A3



Original sheet size A1

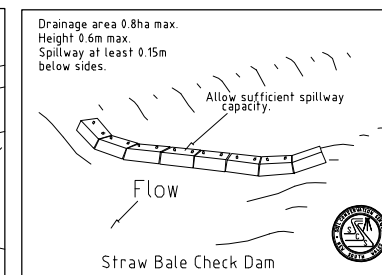
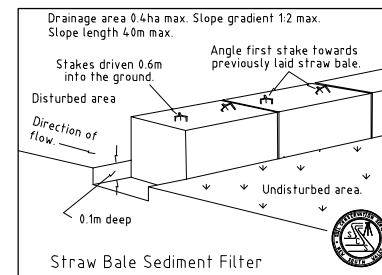
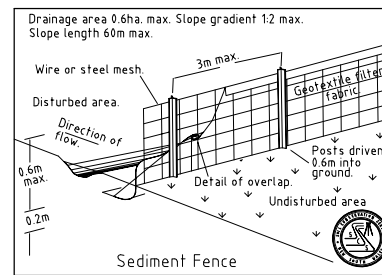


LEGEND

- SEDIMENT FENCE
- STRAW BALE SEDIMENT FILTER/
STRAW BALE HECK DAM

SEQUENCE OF WORKS:

1. INSTALL SOIL AND WATER MANAGEMENT MEASURES AS DETAILED.
2. DEMOLITION AS REQUIRED
3. CONSTRUCT EARTHWORKS
4. CONSTRUCT DRAINAGE
5. CONSTRUCT FOOTPATH WORKS
6. REHABILITATE DISTURBED AREAS
7. REMOVE MANAGEMENT DEVICES ON SUCCESSFUL REHABILITATION.



LAND USE	LIMITATIONS	COMMENTS
CONSTRUCTION AREAS	DISTURBANCE TO BE NO FURTHER THAN FIVE (5) AND PREFERABLE TWO (2) METRES FROM THE EDGE OF ANY ESSENTIAL ENGINEERING ACTIVITY AS SHOWN ON THE PLAN	ALL SITE WORKERS WILL CLEARLY RECOGNISE THESE ZONES THAT, WHERE APPROPRIATE, ARE IDENTIFIED WITH BARRIER FENCING (UPSLOPE) AND SEDIMENT FENCING (DOWNSLOPE) OR SIMILAR MATERIALS
ACCESS AREAS	LIMITED TO A MAXIMUM WIDTH OF TEN (10) METRES	THE SITE MANAGER WILL DETERMINE AND MARK THE LOCATION OF THESE ZONES ONSITE. ALL SITE WORKERS WILL CLEARLY RECOGNISE THEIR BOUNDARIES THAT, WHERE APPROPRIATE, ARE MARKED WITH BARRIER MESH, SEDIMENT FENCING, OR SIMILAR MATERIALS.



ISSUE	DESCRIPTION	DATE
B	RE-ISSUED FOR CONSTRUCTION	18/10/21
A	ISSUED FOR CONSTRUCTION	24/09/21

ISSUED FOR CONSTRUCTION

FOOTPRINT (NSW) PTY. LTD. AUTHORISE THE USE OF THIS DRAWING ONLY FOR THE PURPOSE DEMONSTRATED BY THE STATUS STAMP SHOWN ABOVE.

SCALES ORIGINAL AS NOTED A1

CLIENT: Shoalhaven City Council

SURVEYOR: SCC
 DATUM: AHD
 AZIMUTH: MGA
 DRAWN: AB
 DESIGNED: AB
 DESIGNED DATE: AUG 2021
 CHECKED: AB

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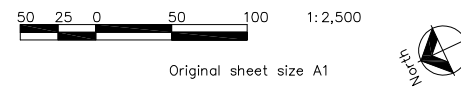
MURRAMARANG ROAD, BAWLEY POINT

PROPOSED SHARED USER PATH
 BAWLEY POINT TO KIOLOA
 EROSION AND SEDIMENT CONTROL PRINCIPLES PLAN

DRAWING NO.	2062-C25
ISSUE.	B
SHEET	25 OF 26



SDG11 PLAN
SCALE 1:2,500 @ A1, 1:5,000 @ A3



Point No.	Project Mark ID	SCIMS Mark ID	Type	Origin	MGA Coordinates				GDA			AHD				Desktop Audit		Pre-Construction Field Audit	
					Datum	Easting	Northing	Zone	Coord Source	Class	Order	PU	RL	PU	Class	Order	Mark Status	Search Date	Mark Status
10000	PM40367	PM40367	PM	SCIMS	GDA94	262622.285	6063315.026	56	SCIMS	B	2		4.815	LC	Found intact	2/03/2021	Found intact	Safe	28/04/2021
10002	PMS6444	PMS6444	PM	SCIMS	GDA94	263571.895	6064923.758	56	SCIMS	B	2		11.536	LC	Found intact	2/03/2021	Found intact	Safe	28/04/2021
10003	PMS6445	PMS6445	PM	SCIMS	GDA94	263497.791	6064807.517	56	SCIMS	B	2		7.815	LC	Found intact	2/03/2021	Found intact	Safe	28/04/2021
10004	PMS6446	PMS6446	PM	SCIMS	GDA94	263224.682	6064679.077	56	SCIMS	B	2		5.201	LC	Found intact	2/03/2021	Found intact	Safe	28/04/2021
10005	PMS6447	PMS6447	PM	SCIMS	GDA94	263045.156	6064323.884	56	SCIMS	B	2		7.918	LC	Found intact	2/03/2021	Found intact	Safe	28/04/2021
10006	PMS6448	PMS6448	PM	SCIMS	GDA94	262893.080	6063457.936	56	SCIMS	B	2		4.399	LC	Found intact	2/03/2021	Found intact	Safe	28/04/2021
10009	SS20939	SS20939	SSM	SCIMS	GDA94	262960.402	6064026.936	56	SCIMS	B	2		5.552	LC	Found intact	2/03/2021	Found intact	Safe	28/04/2021
10010	RMGIPFD		RMGIP	DP579750		263300.938	6064712.155		Traverse						Found intact	2/03/2021	Found intact	To Be Destroyed	28/04/2021
10011	RMGIPFD		RMGIP	DP1183066		263165.458	6064561.516		Traverse						Found intact	2/03/2021	Found intact	To Be Destroyed	28/04/2021
10012	RMGIPFD		RMGIP	DP228311		263117.413	6064506.501		Traverse						Found intact	2/03/2021	Found intact	Safe	28/04/2021
10013	RMGIPFD		RMGIP	DP1183066		263118.350	6064465.097		Traverse						Found intact	2/03/2021	Found intact	To Be Destroyed	28/04/2021
10015	GIP		RMGIP	DP855116		263179.909	6064633.991		Calculated						Not Found	2/03/2021	Not Found	Safe	28/04/2021
10016	GIP		RMGIP	DP855116		263215.667	6064709.007		Calculated						Not Found	2/03/2021	Not Found	Safe	28/04/2021
10017	WING IN TREE		Nail & Wing	DP855116		263411.131	6064772.152		Calculated						Not Found	2/03/2021	Not Found	Safe	28/04/2021
10018	GIP		RMGIP	DP228311		263464.755	6064781.699		Calculated						Not Found	2/03/2021	Not Found	Safe	28/04/2021
10019	GIP		RMGIP	DP228311		263553.451	6064878.829		Calculated						Not Found	2/03/2021	Not Found	Safe	28/04/2021
10020	GIP		RMGIP	DP608386		263583.087	6065153.068		Calculated						Not Found	2/03/2021	Not Found	Safe	28/04/2021
10021	CB		RMCB	DP258004		263130.841	6064546.792		Calculated						Not Found	2/03/2021	Not Found	Safe	28/04/2021
10022	GIP		RMGIP	DP228311		263063.195	6064395.099		Calculated						Not Found	2/03/2021	Not Found	Safe	28/04/2021
10023	GIP		RMGIP	DP228311		263052.101	6064353.971		Calculated						Not Found	2/03/2021	Not Found	Safe	28/04/2021
10024	GIP		RMGIP	DP228311		263008.637	6064192.600		Calculated						Not Found	2/03/2021	Not Found	Safe	28/04/2021
10025	GIP		RMGIP	DP228311		262965.197	6064031.363		Calculated						Not Found	2/03/2021	Not Found	Safe	28/04/2021
10026	RMGIP-CONE		RMGIP	DP579750		263389.585	6065099.623		Calculated						Destroyed	2/03/2021	Destroyed	Already Gone	28/04/2021
10027	RMGIP-CONE		RMGIP	DP579750		263396.161	6065033.882		Calculated						Destroyed	2/03/2021	Destroyed	Already Gone	28/04/2021
10028	RMGIP-CONE		RMGIP	DP579750		263380.500	6065102.574		Calculated						Destroyed	2/03/2021	Destroyed	Already Gone	28/04/2021
10029	RMGIP-CONE		RMGIP	DP579750		263388.600	6064888.689		Calculated						Destroyed	2/03/2021	Destroyed	Already Gone	28/04/2021
10030	TREE		CLOUT	DP579750		263477.763	6064756.784		Calculated						Destroyed	2/03/2021	Destroyed	Already Gone	28/04/2021
10031	RMGIP-CONE		RMGIP	DP1183066		262984.244	6064028.690		Calculated						Destroyed	2/03/2021	Destroyed	Already Gone	28/04/2021
10034	RMGIP-CONE		RMGIP	DP614466		262817.017	6063406.686		Calculated						Destroyed	2/03/2021	Destroyed	Already Gone	28/04/2021
10035	RMGIP-CONE		RMGIP	DP614466		262912.243	6063530.785		Calculated						Destroyed	2/03/2021	Destroyed	Already Gone	28/04/2021
10036	RMGIP-CONE		RMGIP	DP254224		262732.060	6063361.607		Calculated						Destroyed	2/03/2021	Destroyed	Already Gone	28/04/2021

SURVEY MARK PROTECTION:

- IN ACCORDANCE WITH SECTION 24(1) OF THE SURVEYING AND SPATIAL INFORMATION ACT 2002 A PERSON MUST NOT REMOVE, DAMAGE, DESTROY, DISPLACE, OBLITERATE OR DEFACE ANY SURVEY MARK UNLESS AUTHORISED TO DO SO BY THE SURVEYOR GENERAL. IN THIS REGARD ANY PROPOSED CONSTRUCTION WORK THAT MAY AFFECT A STATE SURVEY MARK CANNOT BE UNDERTAKEN UNTIL A REGISTERED SURVEYOR IS ENGAGED TO ARRANGE ITS RELOCATION, IN ACCORDANCE WITH THE REQUIREMENTS OF THE NSW GOVERNMENT LAND AND PROPERTY INFORMATION.
- REFER TO SURVEY MARK AUDIT SCHEDULE FOR ADDITIONAL INFORMATION PERTAINING TO PROTECTION AND RELOCATION OF EXISTING SURVEY MARKS.

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B	RE-ISSUED FOR CONSTRUCTION	18/10/21
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SCALES ORIGINAL

1:2,500 A1

CLIENT: Shoalhaven City Council

SURVEYOR:	SCC
DATUM:	AHD
AZIMUTH:	MGA
DRAWN:	AB
DESIGNED:	AB
DESIGNED DATE:	AUG 2021
CHECKED:	AB

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MURRAMARANG ROAD, BAWLEY POINT

PROPOSED SHARED USER PATH
BAWLEY POINT TO KIOLOA
SGD11 PLAN

Shoalhaven City Council
PLAN REFERENCE
5515.26

DRAWING NO.
2062-C26

ISSUE.
B

SHEET 26 OF 26