

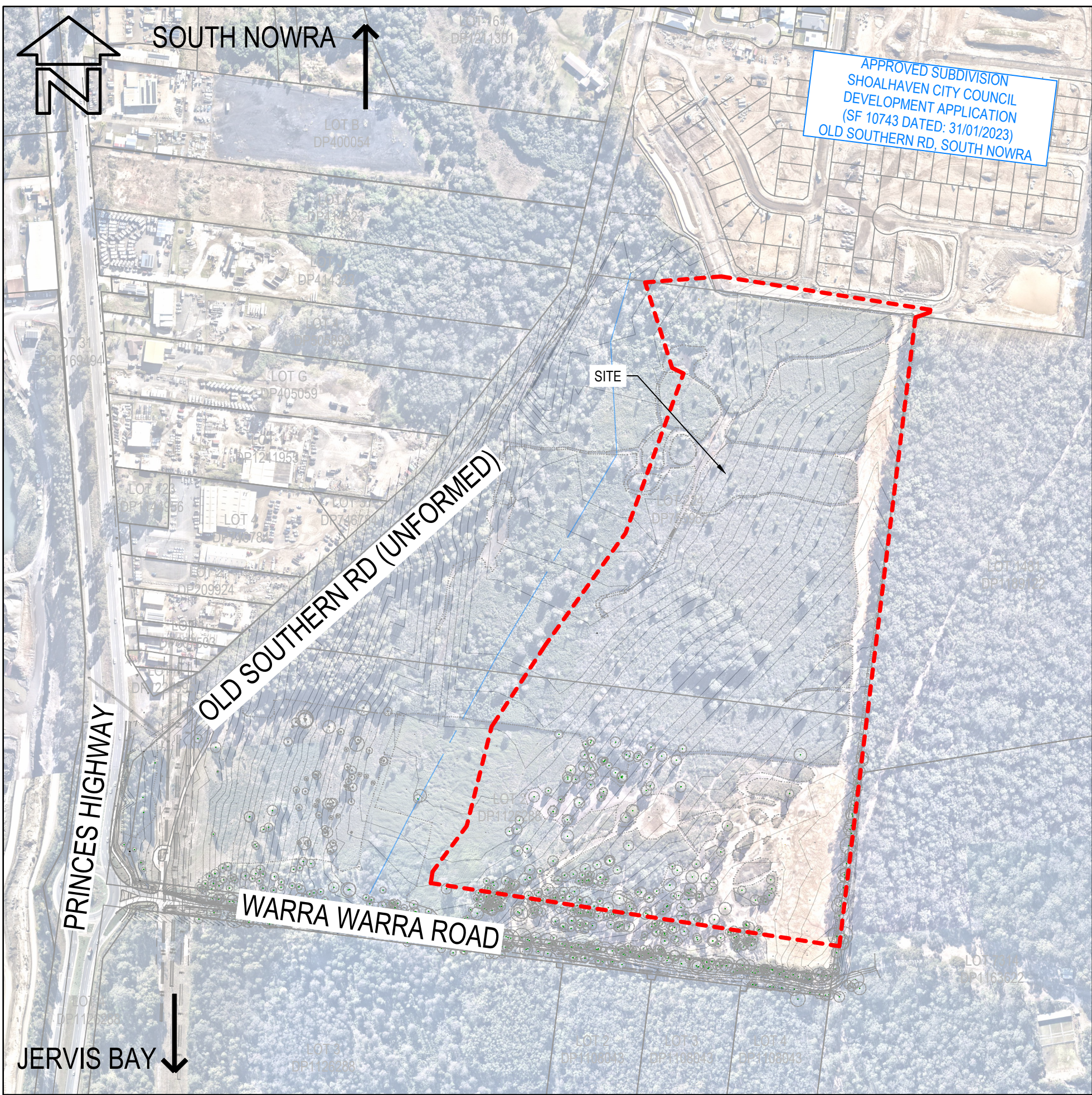
WARRA WARRA RD, SOUTH NOWRA, NSW

LOT 224 DP 755952

EASTERN PRECINCT DEVELOPMENT

CIVIL ENGINEERING CONCEPT DESIGN

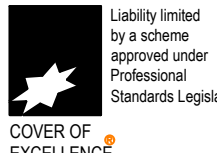
SHOALHAVEN CITY COUNCIL PLANNING PROPOSAL APPLICATION



SITE LOCALITY PLAN

1:4000 @ A1

WARNING
BEWARE OF UNDERGROUND SERVICES
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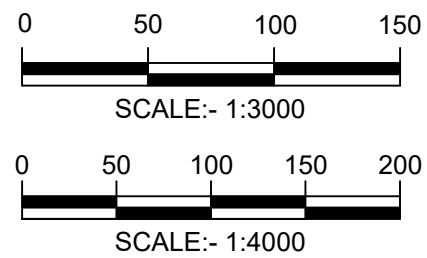


DRAWING SCHEDULE INDEX		
SHEET	TITLE	REVISION
24047-GA-1000	COVER AND INDEX	P2
24047-GA-1005	GENERAL ARRANGEMENT PLAN	P2
24047-GA-1010	EXISTING AND SITE PREPARATION PLAN	P2
24047-GS-1100	SOIL AND WATER MANAGEMENT LAYOUT PLAN	P2
24047-GV-1150	BULK EARTHWORKS PLAN	P2
24047-GV-1151	BULK EARTHWORK SECTIONS 1 OF 2	P2
24047-GV-1152	BULK EARTHWORK SECTIONS 2 OF 2	P2
24047-RD-1200	ROAD LAYOUT PLAN	P2
24047-RD-1230	ROAD 01 MC01 LONGITUDINAL AND TYPICAL SECTIONS	P2
24047-RD-1231	ROAD 01 MC01 LONGITUDINAL AND TYPICAL SECTIONS	P2
24047-RD-1232	ROAD 01 MC01 LONGITUDINAL AND TYPICAL SECTIONS	P2
24047-SD-2000	DRAINAGE LAYOUT PLAN	P2
24047-SQ-2055	STORMWATER QUANTITY MODELLING PLAN	P2
24047-SQ-2056	STORMWATER QUALITY MODELLING PLAN	P2
24047-SE-3100	SEWER NETWORK LAYOUT PLAN 1 OF 2	P2
24047-SE-3101	SEWER NETWORK LAYOUT PLAN 2 OF 2	P2
24047-SE-3102	SEWER CONNECTION PLAN	P2
24047-SE-3103	SEWER LAYOUT FLOW PATH PLAN	P2
24047-WA-4100	WATER RETICULATION LAYOUT PLAN 1 OF 2	P2
24047-WA-4101	WATER RETICULATION LAYOUT PLAN 2 OF 2	P2

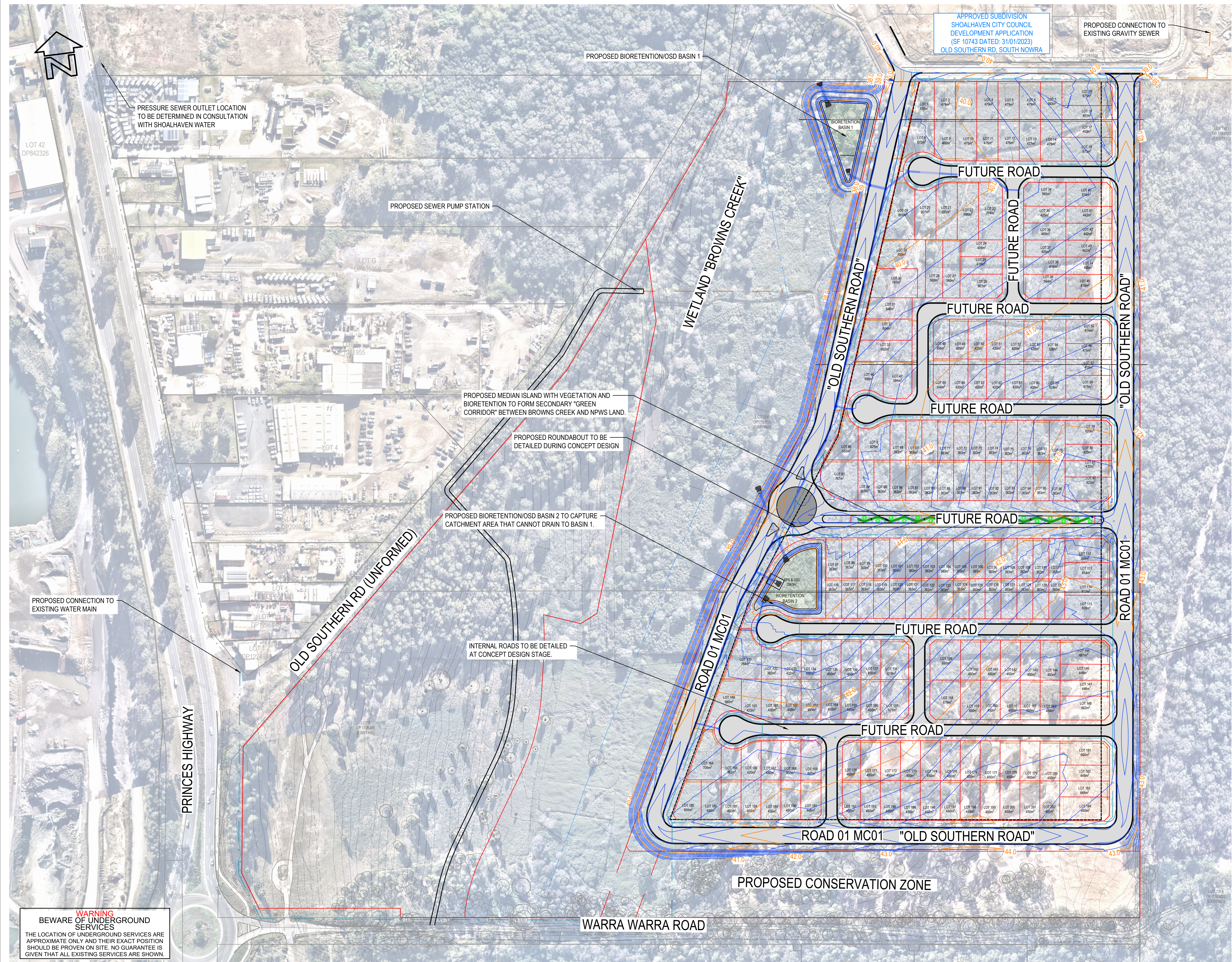


GENERAL OVERVIEW

1:3000 @ A1

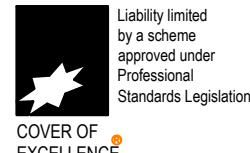
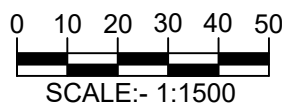


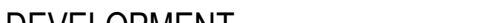
SCALE: AS NOTED SIZE: A1 DATE OF SURVEY: 31 MAY 2024 DATUM: MGA2020, AHD	SURVEY	CEH	REV	DESCRIPTION	DATE	CIVPLAN PTY LIMITED ALL RIGHTS RESERVED. THIS DOCUMENT IS PRODUCED BY CIVPLAN PTY LTD SOLELY FOR THE BENEFIT OF AND USE BY THE CLIENT IN ACCORDANCE WITH THE TERMS OF THE RETAINER. CIVPLAN PTY LTD DOES NOT AND SHALL NOT ASSUME ANY RESPONSIBILITY OR LIABILITY WHATSOEVER TO ANY THIRD PARTY ARISING OUT OF ANY USE OF RELIANCE BY THIRD PARTY ON THE CONTENT OF THIS DOCUMENT.	 CIVPLAN PTY LTD ABN: 49 620 926 114 CIVPLAN CONSULTING PTY LTD ABN: 79 157 731 912 SOUTH COAST OFFICE: 390 PRINCES HIGHWAY, BOMADERRY NSW 2541 SYDNEY OFFICE: LEVEL 36, GATEWAY, 1 MACQUARIE PL, SYDNEY NSW 2000 T: 1800 318 052 E: info@civplan.com.au W: www.civplan.com.au	JOB NAME: EASTERN PRECINCT DEVELOPMENT		PRELIMINARY	
	DESIGN	JE	P0	PRELIMINARY PLANNING PROPOSAL DESIGN	24 MAR 26			LOCATION: WARRA WARRA ROAD, SOUTH NOWRA, NSW		NOT TO BE USED FOR CONSTRUCTION PURPOSES	
	DRAWN	JE	P1	UPDATED TO WATER AUTHORITY COMMENTS	13 APR 26			LGA: SHOALHAVEN CITY COUNCIL - LOT 224 DP 755952			
	CHECKED	TP	P2	UPDATES TO RFI	25 AUG 26			CLIENT: LYSAND PTY LTD & LYROCK PTY LTD C/- JERVIS BAY TOWN PLANNING		RELEASE DATE: 24 MARCH 2026	
	APPROVED	JW						DESCRIPTION: CIVIL ENGINEERING CONCEPT DESIGN		JOB-DRAWING NUMBER	
						DRAWING: COVER AND INDEX		24047-GA-1000			
								REV	P2		

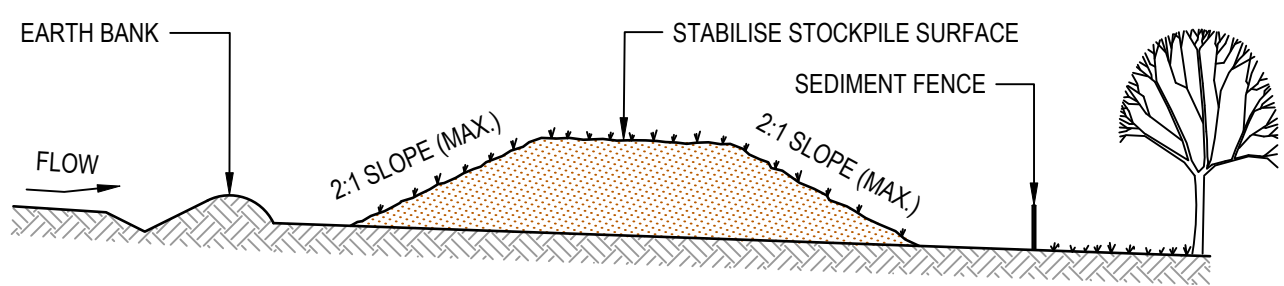


SHEET SET LEGEND		
DESCRIPTIONS	EXISTING	PROPOSED
STORMWATER DRAINAGE PIPE		
DRAINAGE PIT - 1.8m PIT WITH LINTEL		
DRAINAGE PIT - 2.4m SAG WITH LINTEL		
INTERALLOTMENT DRAINAGE PIT (IAD)		
GRADED PIT AND CONC. SURROUND		
CONCRETE HEADWALL AND RIP RAP		
LOT DETAILS	LOT XX XXXm²	LOT XX XXXm²
BOUNDARIES		
SEWER		
SEWER MAIN / SEWER RISING MAIN		
WATER		
WATER MAIN / TRUNK MAIN		
ELECTRICAL		
POWER LINES AND LIGHT POLES		
GAS		
GAS MAINS AND METERS		
COMMUNICATIONS		
TELECOMMUNICATIONS		
FIBRE OPTICS		

NOTE:
LAYOUT SUBJECT TO DEVELOPMENT
APPLICATION



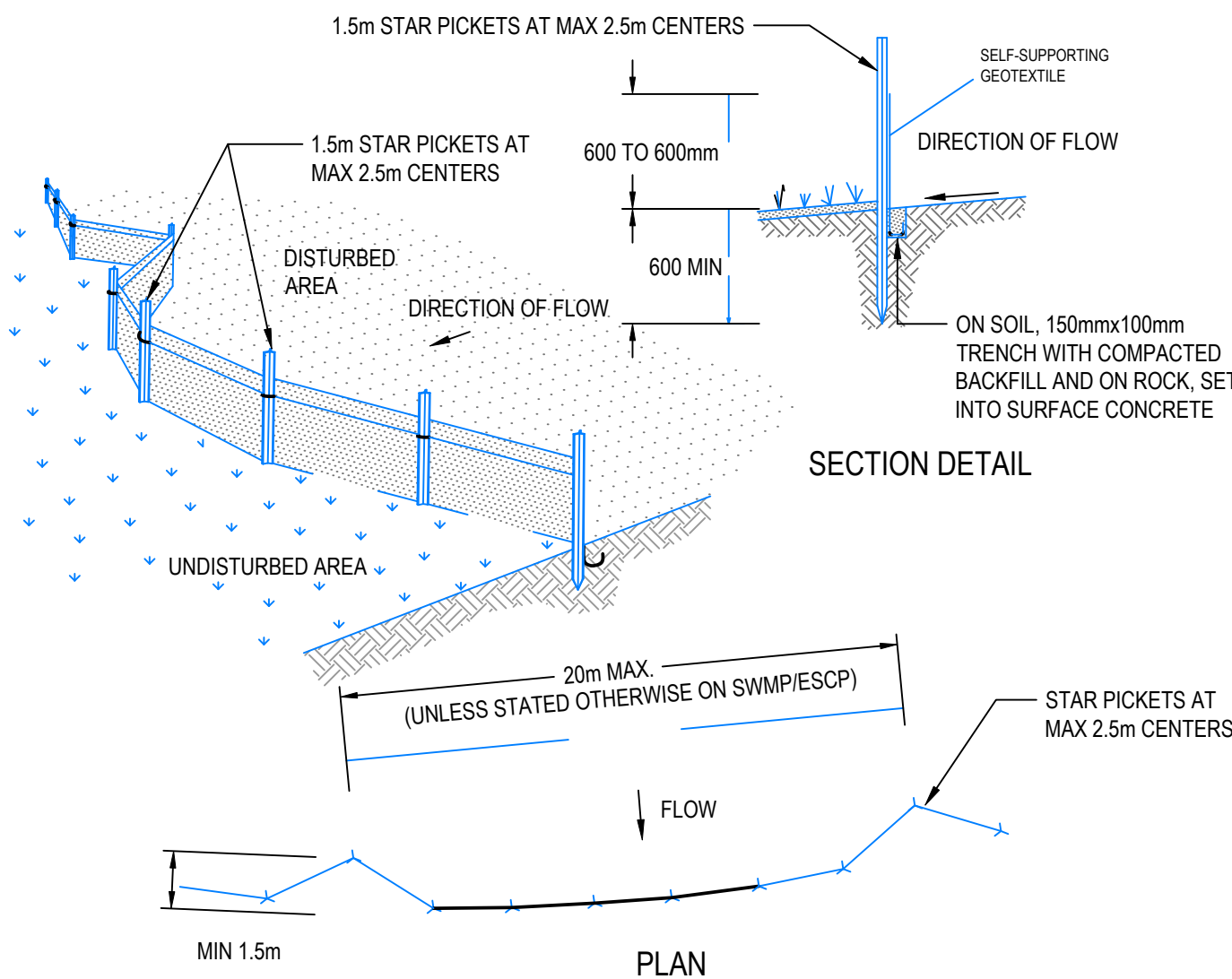
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	DRAWN	JE	P1					JOB-DRAWING NUMBER		REV	
	CHECKED	TP	P2					24047-GA-1005		P2	
	APPROVED	JW									



CONSTRUCTION NOTES

- PLACE STOCKPILES MORE THAN 2m (PREFERABLY 5m) FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
- CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
- WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2m IN HEIGHT.
- WHERE THEY ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
- CONSTRUCT EARTH BANKS (STANDARD DRAWING 5-5) ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES (STANDARD DRAWING 6-8) 1 TO 2m DOWNSLOPE.

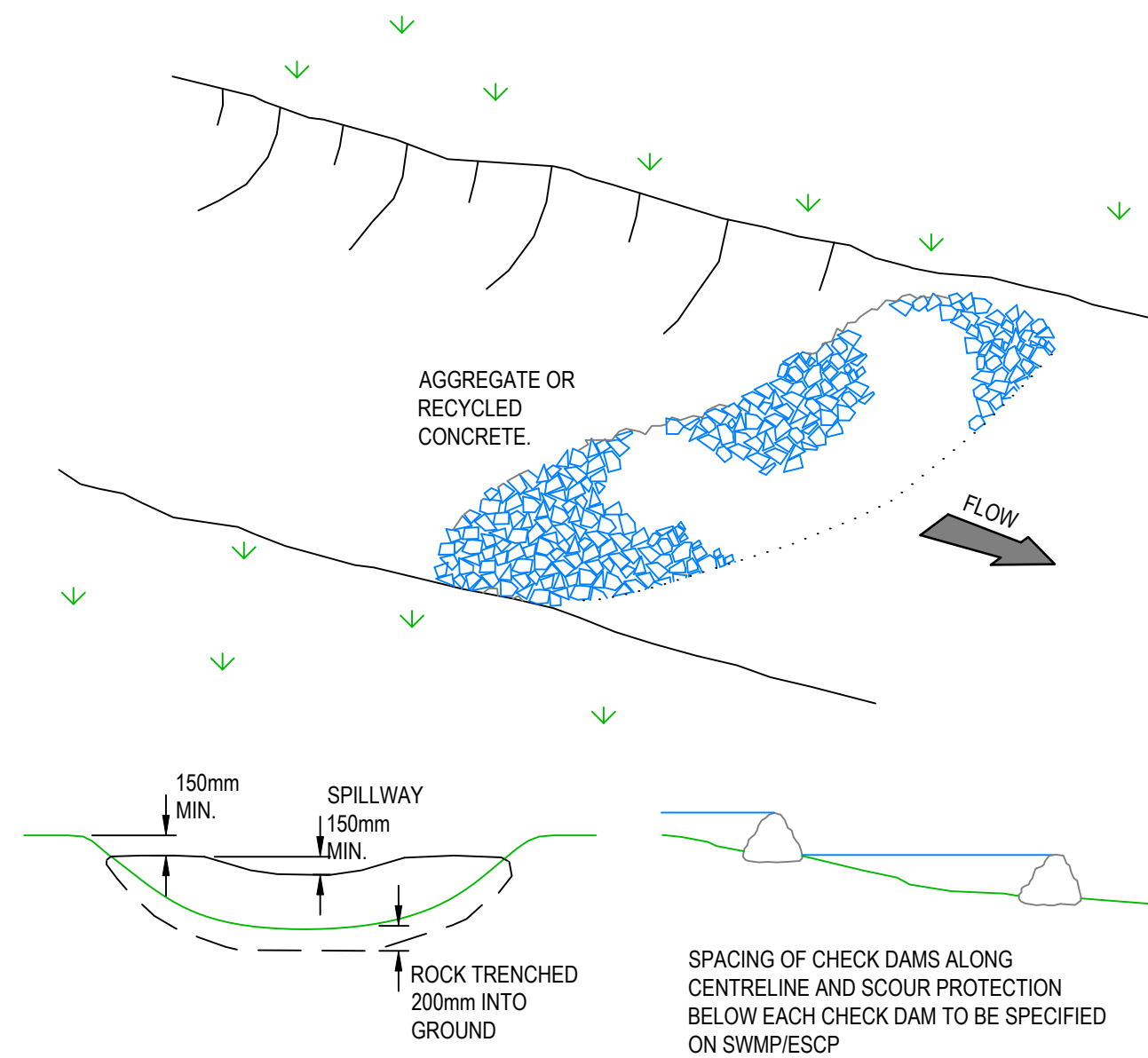
STOCKPILES (SD 4-1)



CONSTRUCTION NOTES

- CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
- CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
- DRIVE 1.5 METRE LONG STAR PICKETS INTO GROUND AT 2.5 METRE INTERVALS (MAX) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
- FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
- JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
- BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

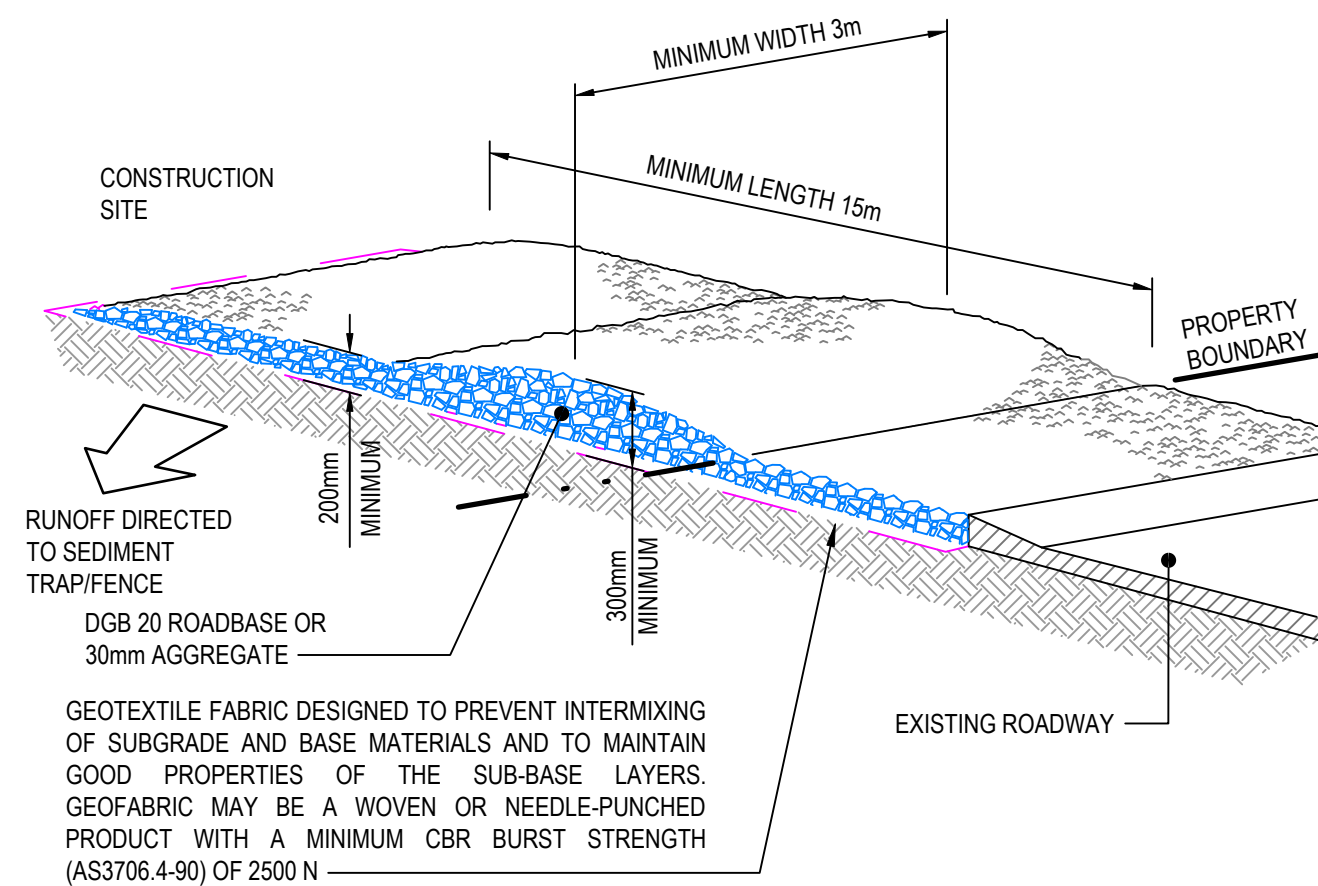
SEDIMENT FENCE (SD 6-8)



CONSTRUCTION NOTES

- CHECK DAMS CAN BE BUILT WITH VARIOUS MATERIALS, INCLUDING ROCKS, LOGS, SANDBAGS AND STRAW BALES. THE MAINTENANCE PROGRAM SHOULD ENSURE THEIR INTEGRITY IS RETAINED, ESPECIALLY WHERE CONSTRUCTED WITH STRAW BALES. IN THE CASE OF BALES, THIS MIGHT REQUIRE THEIR REPLACEMENT EACH TWO TO FOUR MONTHS.
- TRENCH THE CHECK DAM 200mm INTO THE GROUND ACROSS ITS WHOLE WIDTH. WHERE ROCK IS USED, FILL THE TRENCHES TO AT LEAST 100mm ABOVE THE GROUND SURFACE TO REDUCE THE RISK OF UNDERCUTTING.
- NORMALLY, THEIR MAXIMUM HEIGHT SHOULD NOT EXCEED 600mm ABOVE THE GULLY FLOOR. THE CENTRE SHOULD ACT AS A SPILLWAY, BEING AT LEAST 150mm LOWER THAN THE OUTER EDGES.
- SPACE THE DAMS SO THE TOE OF THE UPSTREAM DAM IS LEVEL WITH THE SPILLWAY OF THE NEXT DOWNSTREAM DAM.

ROCK CHECK DAM (SD 5-4) SE5.4



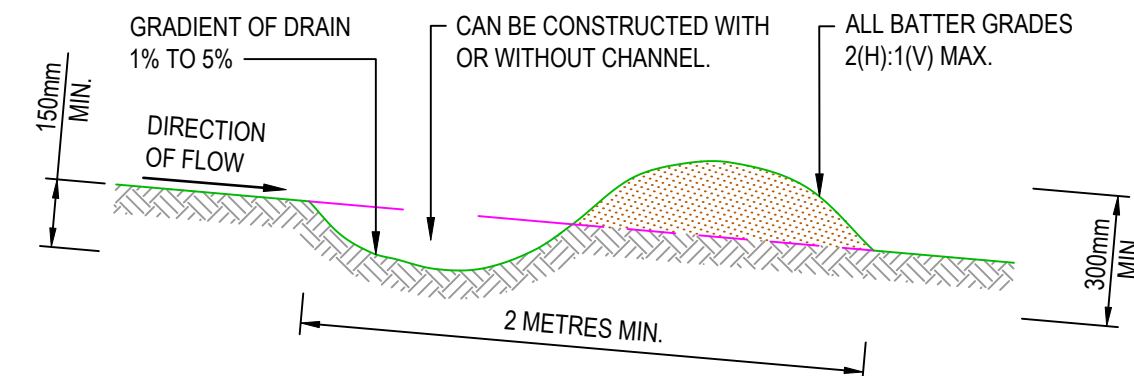
ALTERNATIVE OPTION - VIBRATING ACCESS GRID

PENDING PREFERENCE OF THE NOMINATED MANAGING CONTRACTOR A VIBRATING ACCESS GRID CAN ALSO BE UTILISED DURING CONSTRUCTION. FOR FURTHER DETAILS PLEASE REFER TO THE CATCHMENTS AND CREEKS STANDARD "CONSTRUCTION EXITS - VIBRATION GRIDS - SEDIMENT CONTROL TECHNIQUE - VERSION 2 - APRIL 2010".

CONSTRUCTION NOTES

- STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE.
- COVER THE AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
- CONSTRUCT A 200mm THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE.
- ENSURE THE STRUCTURE IS AT LEAST 15 METRES LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3 METRES WIDE.
- WHERE A SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS, CONSTRUCT A HUMP IN THE STABILISED ACCESS TO DIVERT WATER TO THE SEDIMENT FENCE.

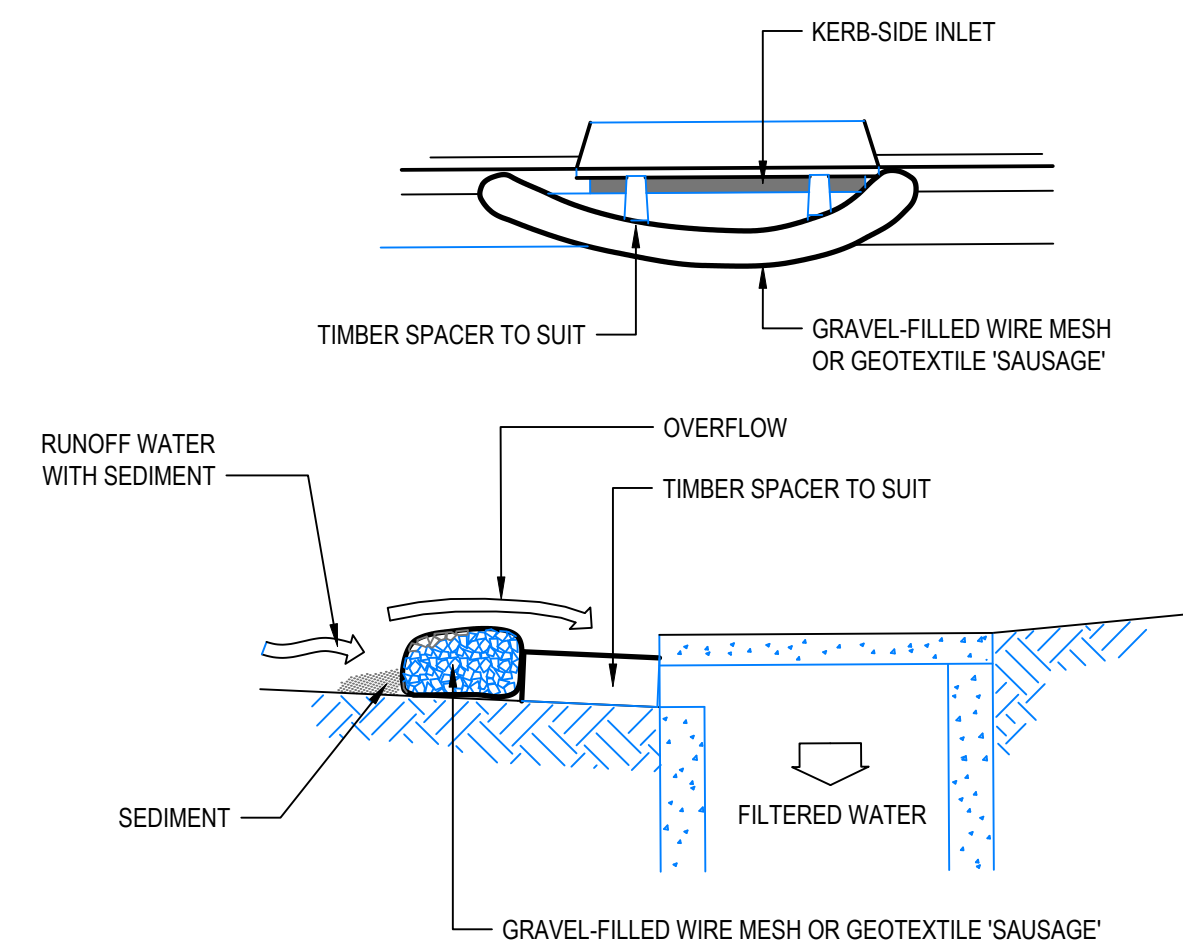
STABILISED SITE ACCESS (SD 6-14)



CONSTRUCTION NOTES

- BUILD WITH GRADIENTS BETWEEN 1 AND 5 PERCENT.
- AVOID REMOVING TREES AND SHRUBS IF POSSIBLE - WORK AROUND THEM.
- ENSURE THE STRUCTURES ARE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT COULD IMPEDE WATER FLOW.
- BUILD THE DRAINS WITH CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTIONS, NOT V SHAPED.
- ENSURE THE BANKS ARE PROPERLY COMPACTED TO PREVENT FAILURE.
- COMPLETE PERMANENT OR TEMPORARY STABILISATION WITHIN 10 DAYS OF CONSTRUCTION.

NOTE: ONLY TO BE USED AS TEMPORARY BANK WHERE MAXIMUM UPSLOPE LENGTH IS 80 METRES. EARTH BANK - LOW FLOW (SD 5-5)

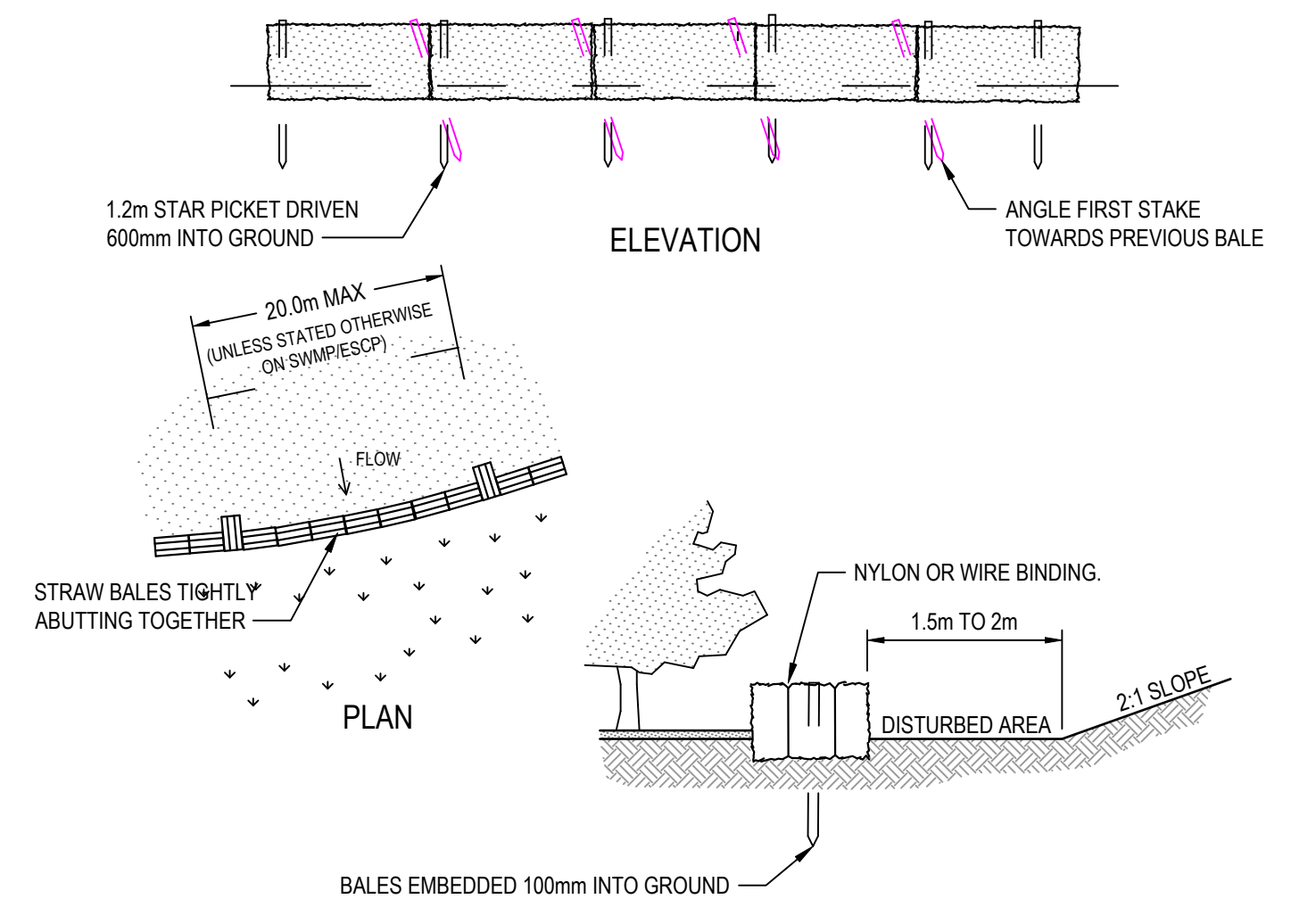


NOTE: THIS PRACTICE ONLY TO BE USED WHERE SPECIFIED IN APPROVED SWMP/ESCP.

CONSTRUCTION NOTES

- INSTALL FILTERS TO KERB INLETS ONLY AT SAG POINTS.
- FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
- FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
- PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
- FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
- SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.

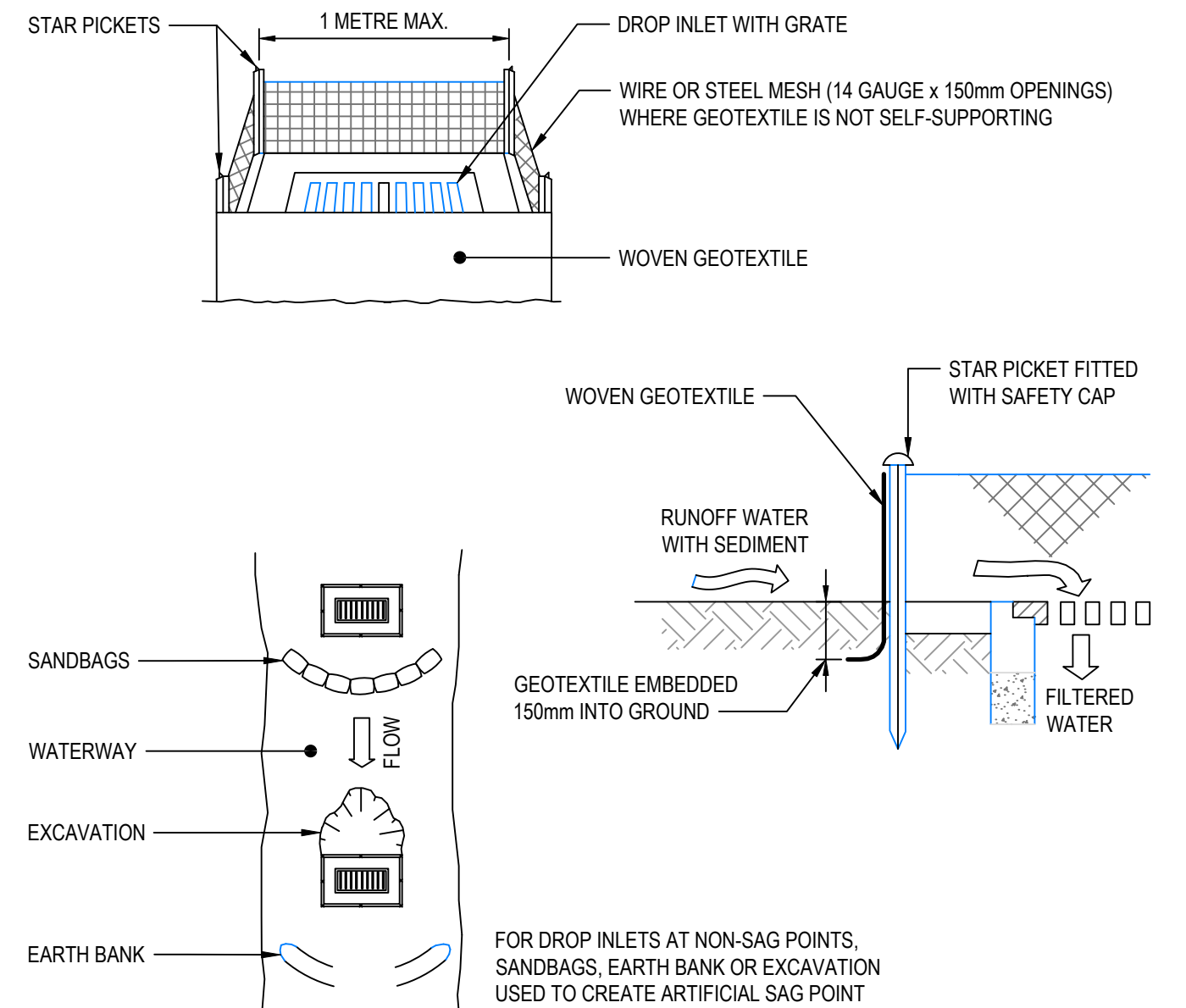
MESH AND GRAVEL INLET FILTER (SD 6-11)



CONSTRUCTION NOTES

- CONSTRUCT THE STRAW BALE FILTER AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE.
- PLACE BALES LENGTHWISE IN A ROW WITH ENDS TIGHTLY ABUTTING. USE STRAW TO FILL ANY GAPS BETWEEN BALES. STRAWS ARE TO BE PLACED PARALLEL TO GROUND.
- ENSURE THAT THE MAXIMUM HEIGHT OF THE FILTER IS ONE BALE.
- EMBED EACH BALE IN THE GROUND 75mm TO 100mm AND ANCHOR WITH TWO 1.2 METRE STAR PICKETS OR STAKES. ANGLE THE FIRST STAR PICKET OR STAKE IN EACH BALE TOWARDS THE PREVIOUSLY LAID BALE. DRIVE THEM 600mm INTO THE GROUND AND, IF POSSIBLE, FLUSH WITH THE TOP OF THE BALES. WHERE STAR PICKETS ARE USED AND THEY PROTRUDE ABOVE THE BALES, ENSURE THEY ARE FITTED WITH SAFETY CAPS.
- WHERE A STRAW BALE FILTER IS CONSTRUCTED DOWNSLOPE FROM A DISTURBED BATTER, ENSURE THE BALES ARE PLACED 1 TO 2 METRES DOWNSLOPE FROM THE TOE.
- ESTABLISH A MAINTENANCE PROGRAM THAT ENSURES THE INTEGRITY OF THE BALES IS RETAINED - THEY COULD REQUIRE REPLACEMENT EACH TWO TO FOUR MONTHS.

STRAW BALE FILTER (SD 6-7)

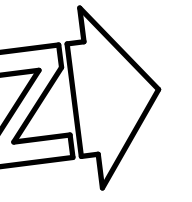


CONSTRUCTION NOTES

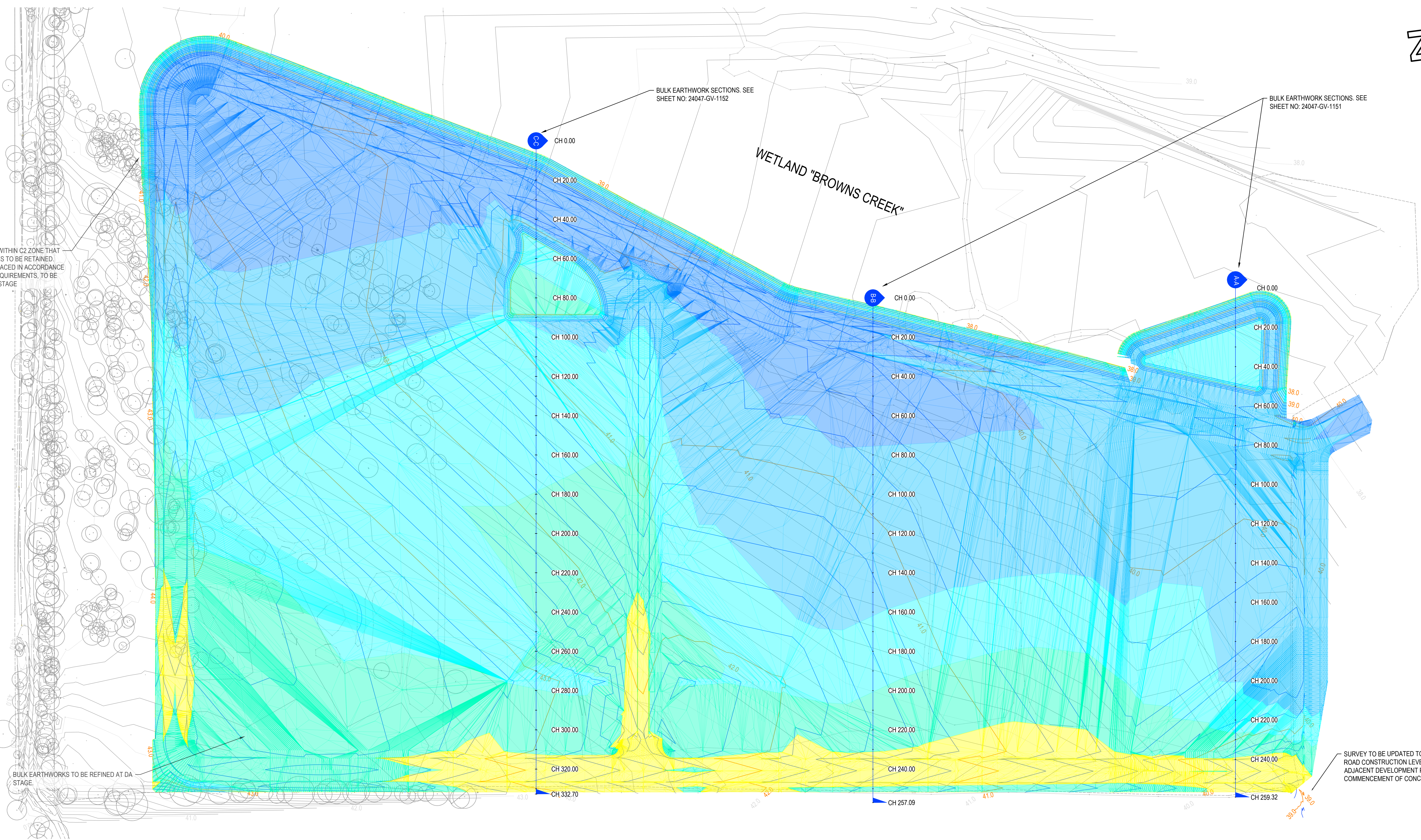
- FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
- FOLLOW STANDARD DRAWING 6-7 AND STANDARD DRAWING 6-8 FOR INSTALLATION PROCEDURES FOR THE STRAW BALES OR GEOFABRIC. REDUCE THE PICKET SPACING TO 1 METRE CENTRES.
- IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
- DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT.

GEOTEXTILE INLET FILTER (SD 6-12)

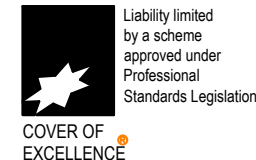
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	CHECKED	TP	P2					24047-GS-1101			
	APPROVED	JW						DRAWING: SOIL AND WATER MANAGEMENT DETAILS P2			



NO CUT PROPOSED WITHIN C2 ZONE THAT COULD IMPACT TREES TO BE RETAINED. FILL AREAS TO BE PLACED IN ACCORDANCE WITH ECOLOGIST REQUIREMENTS. TO BE DETERMINED AT DA STAGE



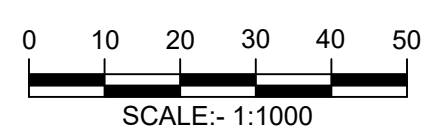
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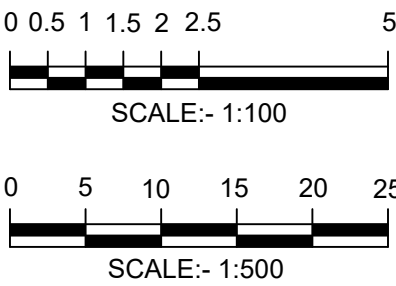
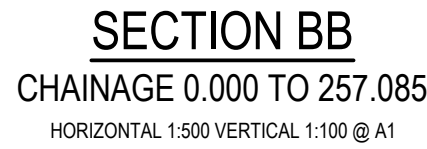
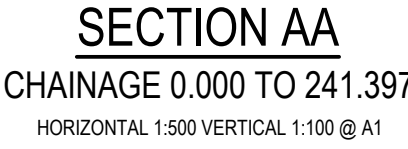
DEPTHS TABLE	
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5.00 to 4.00	
4.00 to 3.00	
3.00 to 2.00	
2.00 to 1.00	
1.00 to 0.50	
0.50 to 0.00	
0.00 to -0.50	
-0.50 to -1.00	
-1.00 to -2.00	
-2.00 to -3.00	
-3.00 to -4.00	
-4.00 to -5.00	

BULK EARTHWORKS PLAN
1:1000 @ A1

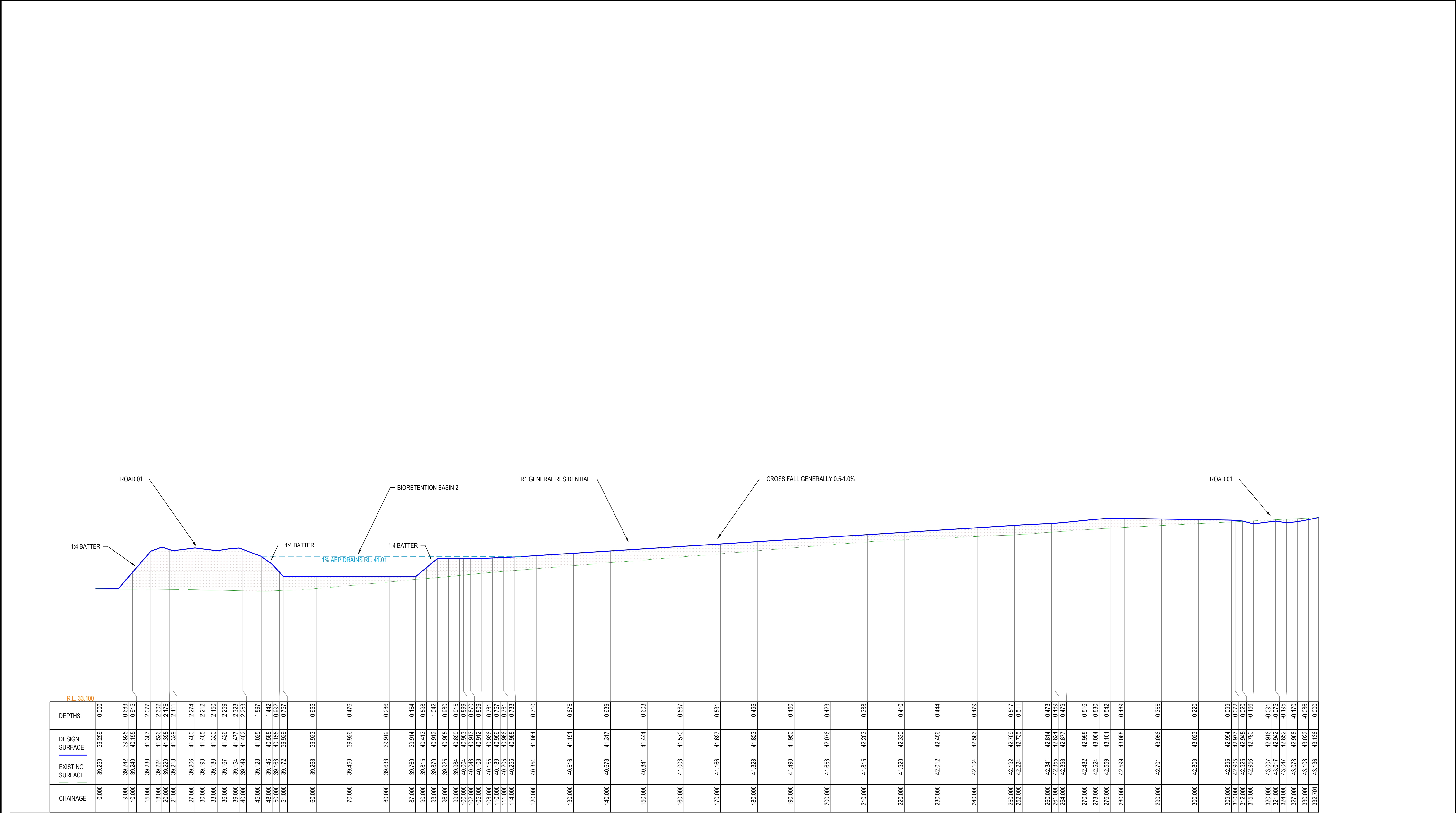
VOLUME SUMMARY TABLE	
ITEM	AMOUNT
TOTAL CUT	1,265m³
TOTAL FILL	177,579m³
NET VOLUME (FILL)	176,314m³
TOTAL CUT AREA	11,312m²
TOTAL FILL AREA	161,994m²
TOTAL WORKS AREA	173,306m²



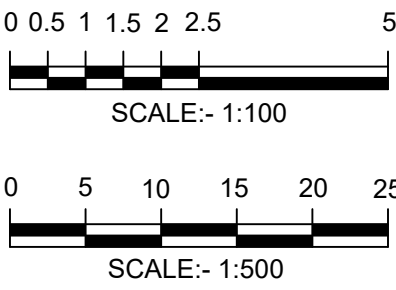
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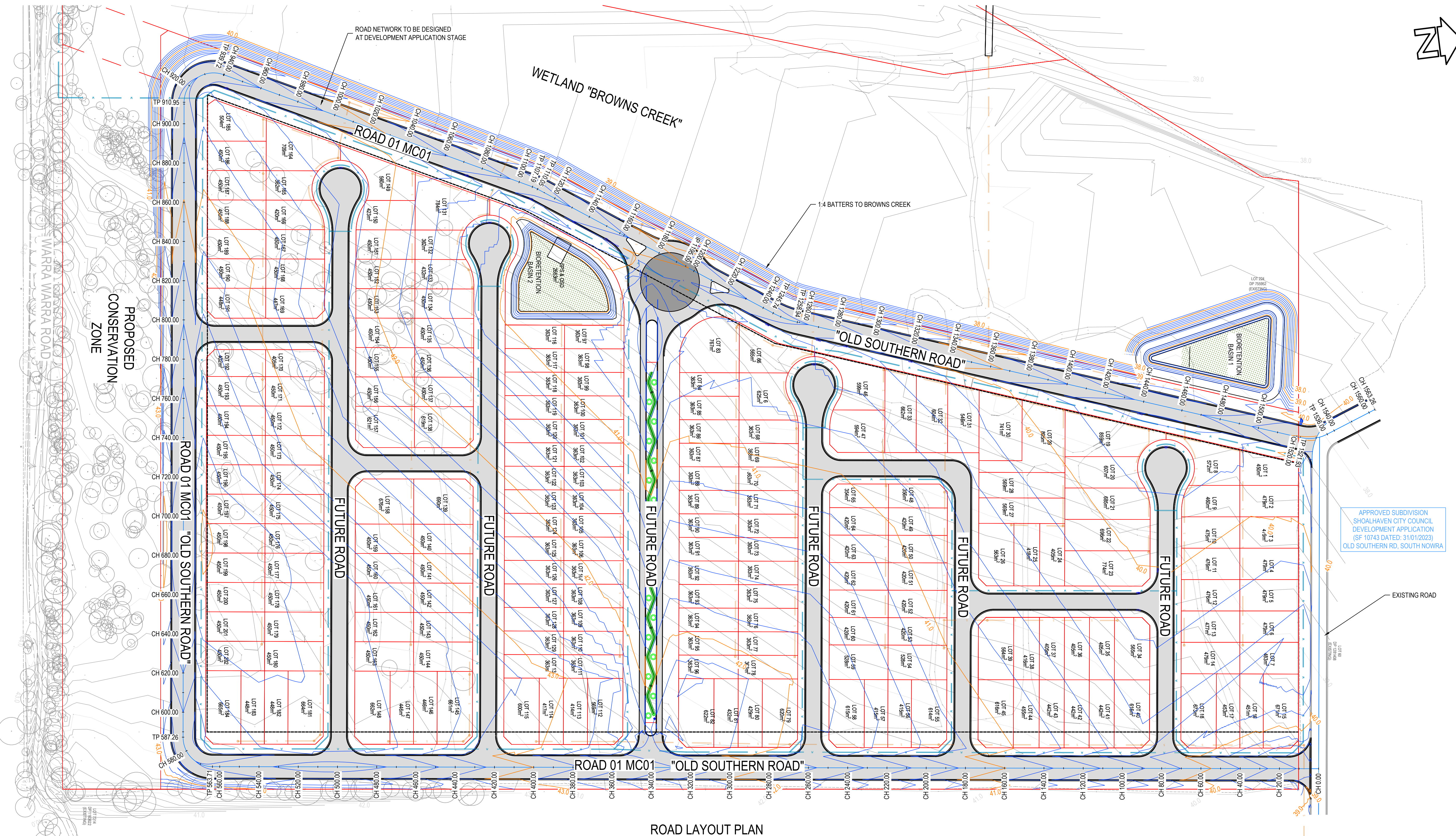
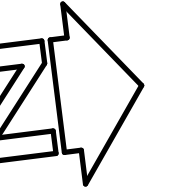
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SIZE: A1	DESIGN	JE	P0	24 MAR 26	LOCATION: WARRA WARRA ROAD, SOUTH NOWRA, NSW		RELEASE DATE: 24 MARCH 2026			
DATE OF SURVEY: 31 MAY 2024	DRAWN	JE	P1	13 APR 26	LGA: SHOALHAVEN CITY COUNCIL - LOT 224 DP 755952					
DATUM: MGA2020, AHD	CHECKED	TP	P2	25 AUG 26	CLIENT: LYSAND PTY LTD & LYROCK PTY LTD C/ JERVIS BAY TOWN PLANNING		JOB-DRAWING NUMBER	REV		
	APPROVED	JW			DESCRIPTION: CIVIL ENGINEERING CONCEPT DESIGN		24047-GV-1151	P2		
					DRAWING: BULK EARTHWORKS SECTIONS 1 OF 2					



SECTION CC
CHAINAGE 0.000 TO 332.701
HORIZONTAL 1:500 VERTICAL 1:100 @ A1



SCALE: AS NOTED SIZE: A1 DATE OF SURVEY: 31 MAY 2024 DATUM: MGA2020, AHD	SURVEY	CEH	REV	DESCRIPTION	DATE	CIVPLAN PTY LIMITED ALL RIGHTS RESERVED. THIS DOCUMENT IS PRODUCED BY CIVPLAN PTY LTD SOLELY FOR THE BENEFIT OF AND USE BY THE CLIENT IN ACCORDANCE WITH THE TERMS OF THE RETAINER. CIVPLAN PTY LTD DOES NOT AND SHALL NOT ASSUME ANY RESPONSIBILITY OR LIABILITY WHATSOEVER TO ANY THIRD PARTY ARISING OUT OF ANY USE OF RELIANCE BY THIRD PARTY ON THE CONTENT OF THIS DOCUMENT.	 CIVPLAN PTY LTD ABN: 49 620 926 114 CIVPLAN CONSULTING PTY LTD ABN: 79 157 731 912 SOUTH COAST OFFICE: 390 PRINCES HIGHWAY, BOMADERRY NSW 2541 SYDNEY OFFICE: LEVEL 36, GATEWAY, 1 MACQUARIE PL, SYDNEY NSW 2000 T: 1800 318 052 E: info@civplan.com.au W: www.civplan.com.au	JOB NAME: EASTERN PRECINT DEVELOPMENT LOCATION: WARRA WARRA ROAD, SOUTH NOWRA, NSW LGA: SHOALHAVEN CITY COUNCIL - LOT 224 DP 755952		PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES	
	DESIGN	JE	P0	PRELIMINARY PLANNING PROPOSAL DESIGN UPDATED TO WATER AUTHORITY COMMENTS UPDATES TO RFI	RELEASE DATE: 24 MARCH 2026						
	DRAWN	JE	P1		CLIENT: LYSAND PTY LTD & LYROCK PTY LTD C/- JERVIS BAY TOWN PLANNING			JOB-DRAWING NUMBER	REV		
	CHECKED	TP	P2		DESCRIPTION: CIVIL ENGINEERING CONCEPT DESIGN			24047-GV-1152	P2		
	APPROVED	JW			DRAWING: BULK EARTHWORKS SECTIONS 2 OF 2						



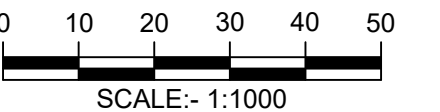
ROAD LAYOUT PLAN
1:1000 @ A1

WARNING
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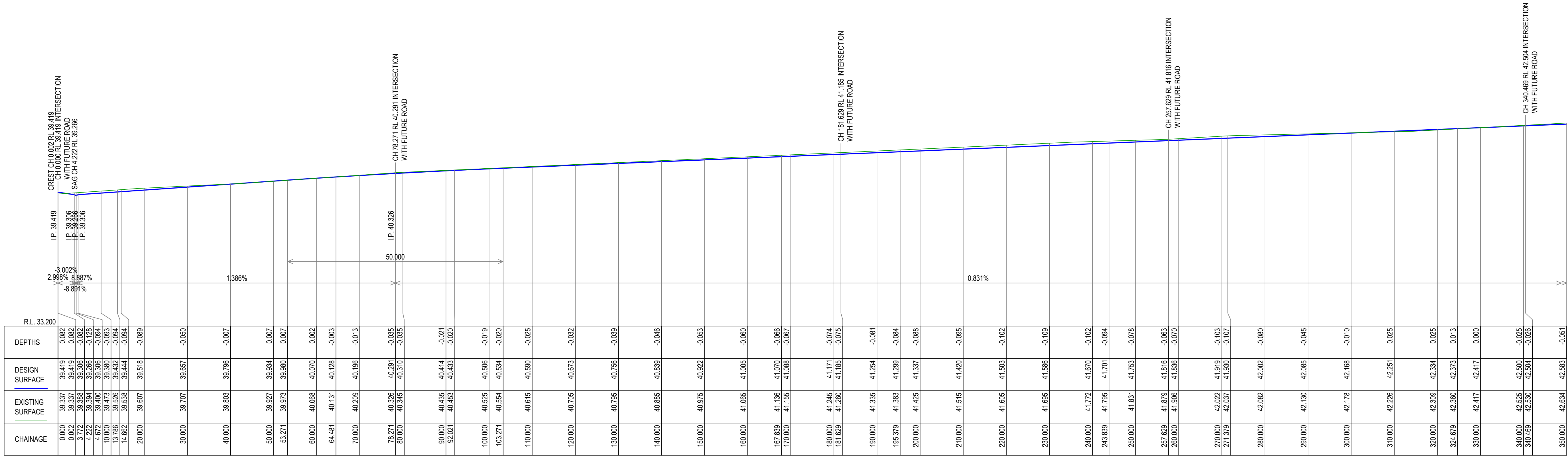


SHEET LEGEND			
DESCRIPTION	DETAIL	DESCRIPTION	DETAIL
NOMINAL CONTROL LINE		EXISTING WATER MAIN	
ROAD PAVEMENT		PROPOSED WATER MAIN	
CONCRETE PAVEMENT		EXISTING SEWER MAIN	
CONTOURS (MAJOR)		PROPOSED SEWER MAIN	
CONTOURS (MINOR)		BIORETENTION FILTER MEDIA	
PROPOSED LOT BOUNDARIES			

NOTE:
LAYOUT SUBJECT TO DEVELOPMENT APPLICATION



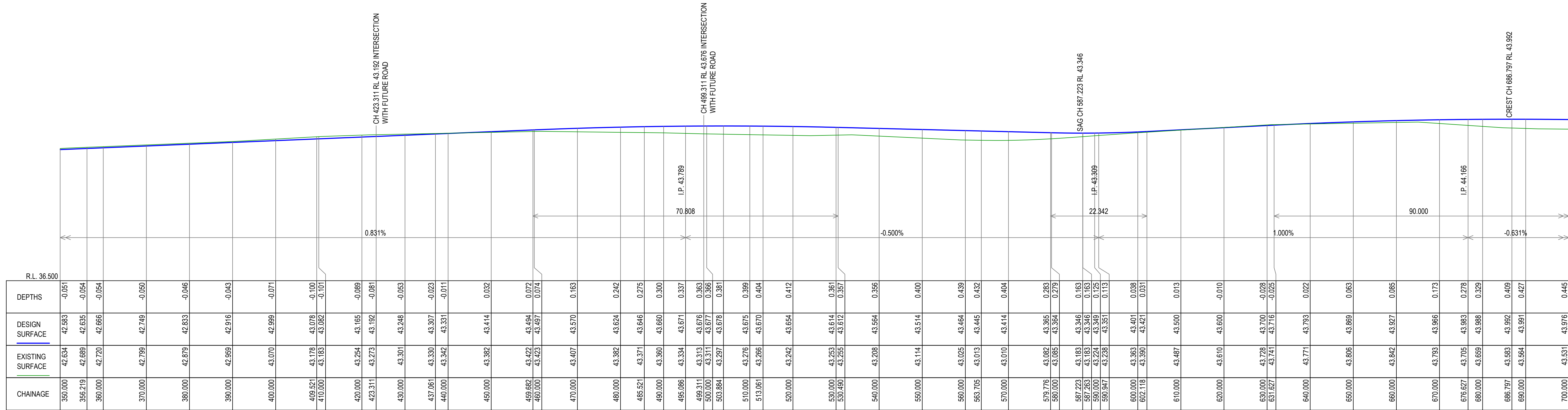
SCALE: AS NOTED	SURVEY	CEH	REV	DESCRIPTION	DATE	CIVPLAN PTY LIMITED ALL RIGHTS RESERVED. THIS DOCUMENT IS PRODUCED BY CIVPLAN PTY LTD SOLELY FOR THE BENEFIT OF AND USE BY THE CLIENT IN ACCORDANCE WITH THE TERMS OF THE RETAINER. CIVPLAN PTY LTD DOES NOT AND SHALL NOT ASSUME ANY RESPONSIBILITY OR LIABILITY WHATSOEVER TO ANY THIRD PARTY ARISING OUT OF ANY USE OF RELIANCE BY THIRD PARTY ON THE CONTENT OF THIS DOCUMENT.  CIVPLAN PTY LTD ABN: 49 620 926 114 CIVPLAN CONSULTING PTY LTD ABN: 79 157 731 912 SOUTH COAST OFFICE: 390 PRINCES HIGHWAY, BOMADERRY NSW 2541 SYDNEY OFFICE: LEVEL 36, GATEWAY, 1 MACQUARIE PL, SYDNEY NSW 2000 T: 1800 318 052 E: info@civplan.com.au W: www.civplan.com.au	JOB NAME: EASTERN PRECINT DEVELOPMENT LOCATION: WARRA WARRA ROAD, SOUTH NOWRA, NSW LGA: SHOALHAVEN CITY COUNCIL - LOT 224 DP 755952		PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES	
SIZE: A1	DESIGN	JE	P0	PRELIMINARY PLANNING PROPOSAL DESIGN UPDATED TO WATER AUTHORITY COMMENTS UPDATES TO RFI	24 MAR 26 13 APR 26 25 AUG 26		RELEASE DATE: 24 MARCH 2026			
DATE OF SURVEY: 31 MAY 2024	DRAWN	JE	P2				JOB-DRAWING NUMBER			REV
DATUM: MGA2020, AHD	CHECKED	TP					DESCRIPTION: CIVIL ENGINEERING CONCEPT DESIGN			
	APPROVED	JW					DRAWING: ROAD LAYOUT PLAN			P2



LONGITUDINAL SECTION - ROAD 01 MC01

CHAINAGE 0.000 TO 350.000

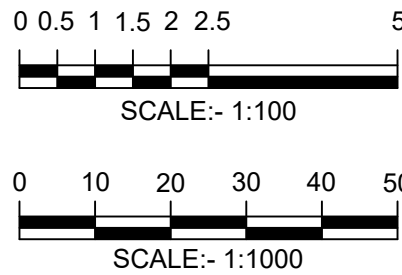
HORIZONTAL 1:1000 VERTICAL 1:100 @ A1



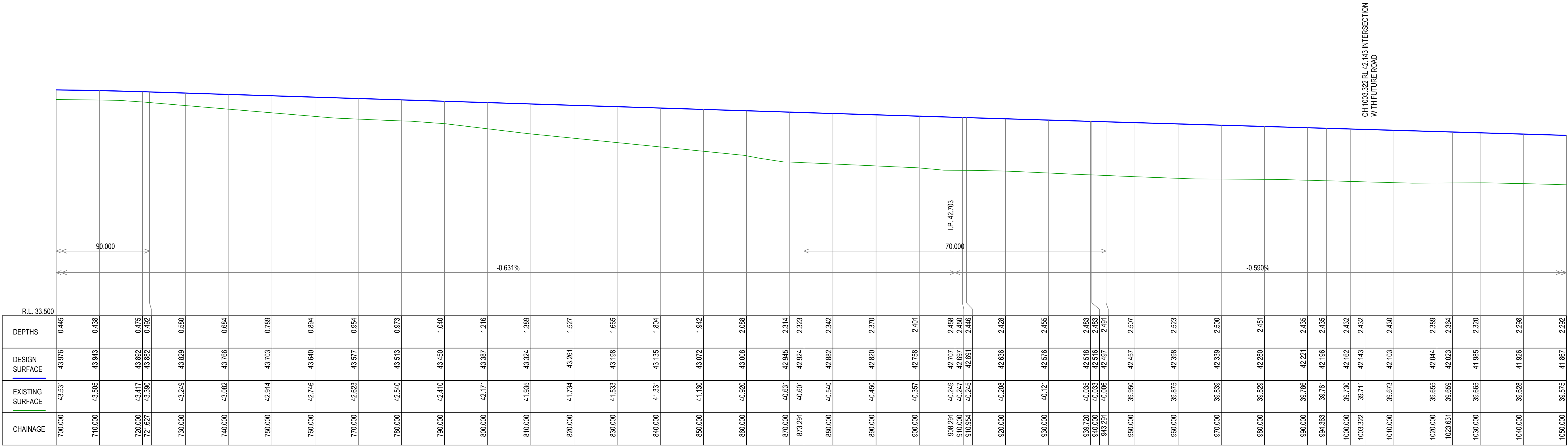
LONGITUDINAL SECTION - ROAD 01 MC01

CHAINAGE 350.000 TO 700.000

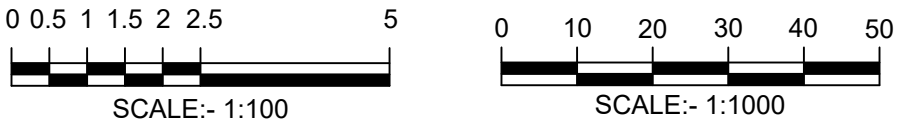
HORIZONTAL 1:1000 VERTICAL 1:100 @ A1



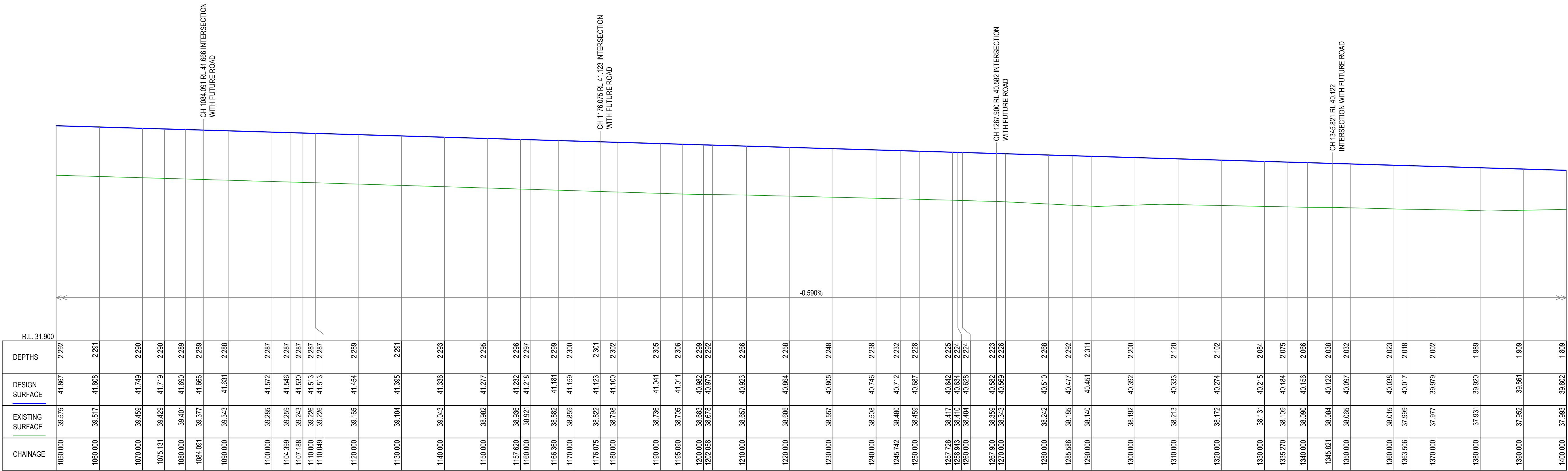
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	CHECKED	TP	P2	UPDATES TO RFI	25 AUG 26			CLIENT: LYSAND PTY LTD & LYROCK PTY LTD C/- JERSV BAY TOWN PLANNING		JOB-DRAWING NUMBER	
	DATUM: MGA2020, AHD	APPROVED	JW						DESCRIPTION: CIVIL ENGINEERING CONCEPT DESIGN		24047-RD-1230
							DRAWING: ROAD 01 MC01 LONGITUDINAL AND TYPICAL SECTIONS 1 OF 3		REV		
									P2		



LONGITUDINAL SECTION - ROAD 01 MC01
CHAINAGE 700.000 TO 1050.000
HORIZONTAL 1:1000 VERTICAL 1:100 @ A1



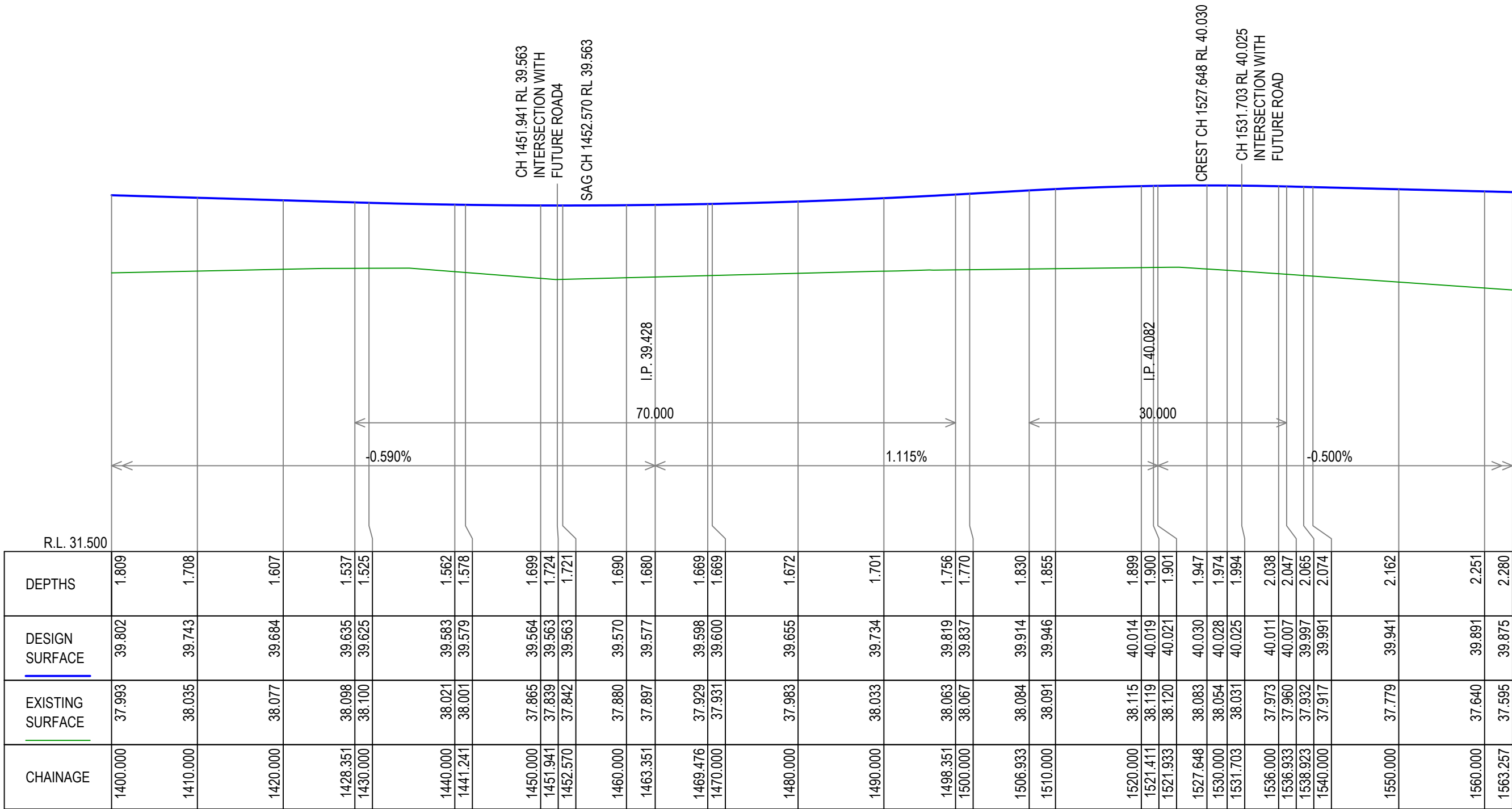
SCALE: AS NOTED	SURVEY	CEH	REV	DESCRIPTION	DATE	CIVPLAN PTY LIMITED ALL RIGHTS RESERVED. THIS DOCUMENT IS PRODUCED BY CIVPLAN PTY LTD SOLELY FOR THE BENEFIT OF AND USE BY THE CLIENT IN ACCORDANCE WITH THE TERMS OF THE RETAINER. CIVPLAN PTY LTD DOES NOT AND SHALL NOT ASSUME ANY RESPONSIBILITY OR LIABILITY WHATSOEVER TO ANY THIRD PARTY ARISING OUT OF ANY USE OF RELIANCE BY THIRD PARTY ON THE CONTENT OF THIS DOCUMENT.	 CIVIL ENGINEERING & DEVELOPMENT CIVPLAN PTY LTD ABN: 49 620 926 114 CIVPLAN CONSULTING PTY LTD ABN: 79 157 731 912 SOUTH COAST OFFICE: 390 PRINCES HIGHWAY, BOMADERRY NSW 2541 SYDNEY OFFICE: LEVEL 36, GATEWAY, 1 MACQUARIE PL, SYDNEY NSW 2000 T: 1800 318 052 E: info@civplan.com.au W: www.civplan.com.au	JOB NAME: EASTERN PRECINT DEVELOPMENT LOCATION: WARRA WARRA ROAD, SOUTH NOWRA, NSW LGA: SHOALHAVEN CITY COUNCIL - LOT 224 DP 755952		PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES	
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DATE OF SURVEY: 31 MAY 2024	DRAWN	JE	P1	UPDATES TO RFI	13 APR 26			DESCRIPTION: CIVIL ENGINEERING CONCEPT DESIGN		JOB-DRAWING NUMBER	
	CHECKED	TP	P2		25 AUG 26			DRAWING: ROAD 01 MC01 LONGITUDINAL AND TYPICAL SECTIONS 2 OF 3		24047-RD-1231	
DATUM: MGA2020, AHD	APPROVED	JW								P2	



LONGITUDINAL SECTION - ROAD 01 MC01

CHAINAGE 1050.000 TO 1400.000

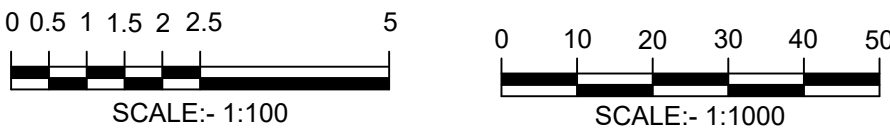
HORIZONTAL 1:1000 VERTICAL 1:100 @ A1



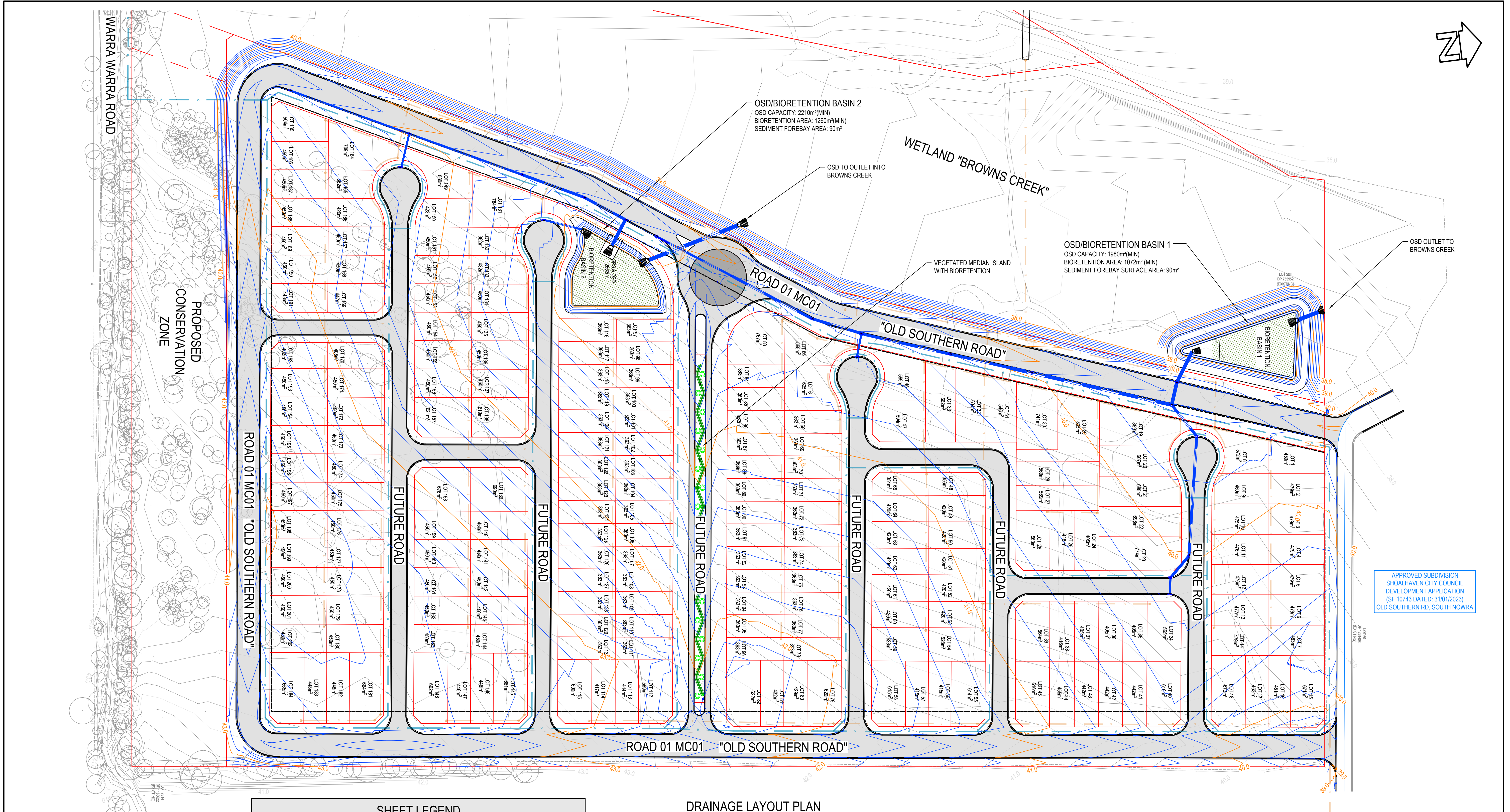
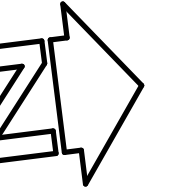
LONGITUDINAL SECTION - ROAD 01 MC01

CHAINAGE 1400.000 TO 1563.257

HORIZONTAL 1:1000 VERTICAL 1:100 @ A1



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SIZE: A1	DESIGN	JE	P0	PRELIMINARY PLANNING PROPOSAL DESIGN	24 MAR 26			LOCATION: WARRA WARRA ROAD, SOUTH NOWRA, NSW		NOT TO BE USED FOR CONSTRUCTION PURPOSES	
DATE OF SURVEY: 31 MAY 2024	DRAWN	JE	P1	UPDATED TO WATER AUTHORITY COMMENTS	13 APR 26			LGA: SHOALHAVEN CITY COUNCIL - LOT 224 DP 755952			
	CHECKED	TP	P2	UPDATES TO RFI	25 AUG 26			CLIENT: LYSAND PTY LTD & LYROCK PTY LTD C/- JERSV BAY TOWN PLANNING		RELEASE DATE: 24 MARCH 2026	
	DATUM: MGA2020, AHD	APPROVED	JW						DESCRIPTION: CIVIL ENGINEERING CONCEPT DESIGN		JOB-DRAWING NUMBER
								DRAWING: ROAD 01 MC01 LONGITUDINAL AND TYPICAL SECTIONS 3 OF 3		REV	
								24047-RD-1232			
								P2			



WARNING
BEWARE OF UNDERGROUND SERVICES
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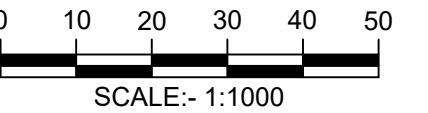


SHEET LEGEND			
DESCRIPTION	DETAIL	DESCRIPTION	DETAIL
NOMINAL CONTROL LINE		STORMWATER DRAINAGE PIPE	
ROAD PAVEMENT		CONCRETE HEADWALL AND RIP RAP	
CONTOURS (MAJOR)		BIORETENTION FILTER MEDIA	
CONTOURS (MINOR)			
PROPOSED LOT BOUNDARIES			
EXISTING WATER MAIN			
PROPOSED WATER MAIN			
EXISTING SEWER MAIN			
PROPOSED SEWER MAIN			

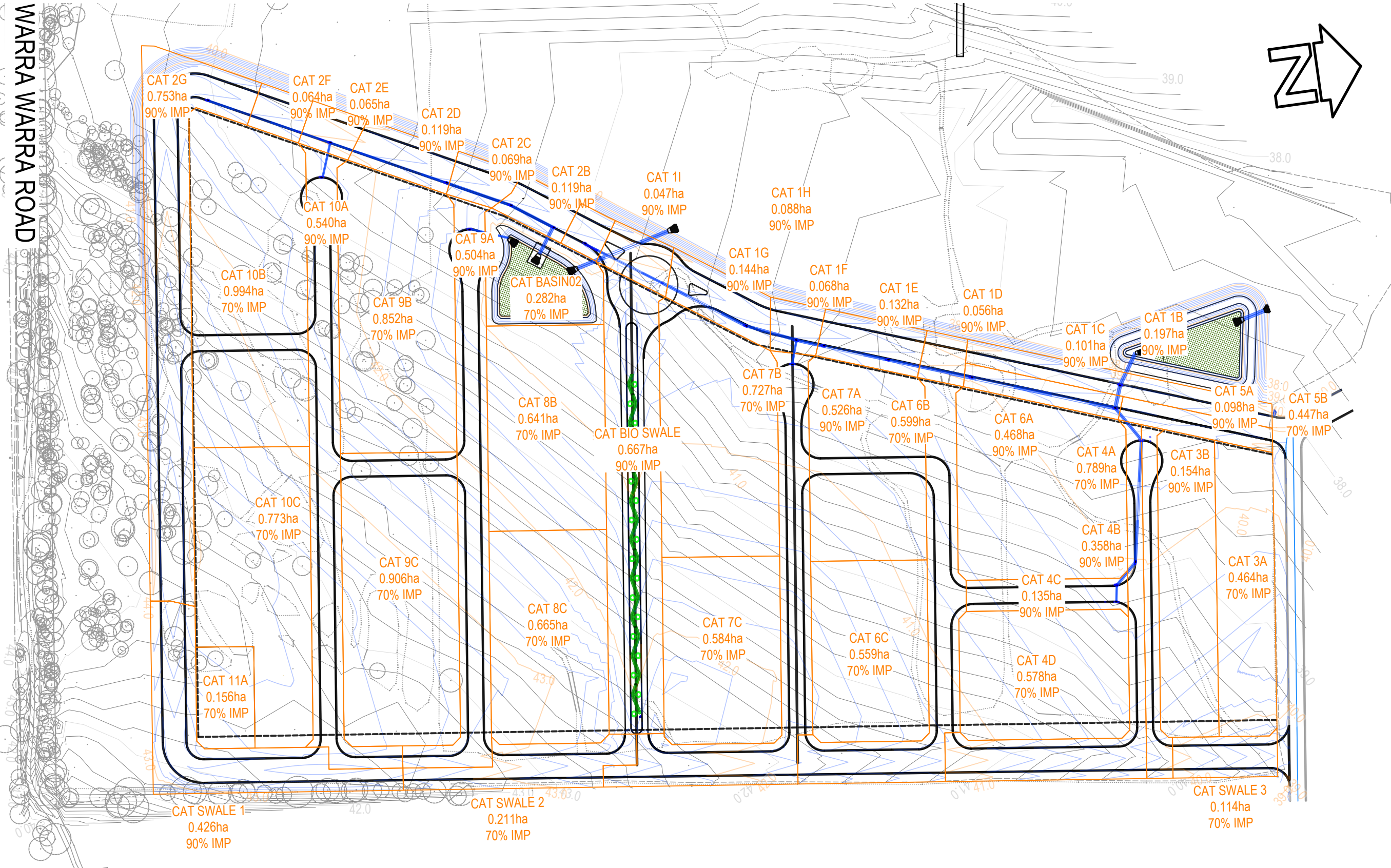
DRAINAGE LAYOUT PLAN
1:1000 @ A1

NOTE

- LAYOUT SUBJECT TO DEVELOPMENT APPLICATION
- PIPE LAYOUT AND SIZING TO BE CONFIRMED AND UPDATED AT CONCEPT DESIGN STAGE. MINIMUM Ø375 RCP PIPE ADOPTED WITHIN THE ROAD RESERVE.
- ALL LOT AND ROADS TO HAVE A BUFFER STRIP



SCALE: AS NOTED	SURVEY	CEH	REV	DESCRIPTION	DATE	CIVPLAN PTY LIMITED ALL RIGHTS RESERVED. THIS DOCUMENT IS PRODUCED BY CIVPLAN PTY LTD SOLELY FOR THE BENEFIT OF AND USE BY THE CLIENT IN ACCORDANCE WITH THE TERMS OF THE RETAINER. CIVPLAN PTY LTD DOES NOT AND SHALL NOT ASSUME ANY RESPONSIBILITY OR LIABILITY WHATSOEVER TO ANY THIRD PARTY ARISING OUT OF ANY USE OF RELIANCE BY THIRD PARTY ON THE CONTENT OF THIS DOCUMENT.  CIVPLAN PTY LTD ABN: 49 620 926 114 CIVPLAN CONSULTING PTY LTD ABN: 79 157 731 912 SOUTH COAST OFFICE: 390 PRINCES HIGHWAY, BOMADERRY NSW 2541 SYDNEY OFFICE: LEVEL 36, GATEWAY, 1 MACQUARIE PL, SYDNEY NSW 2000 T: 1800 318 052 E: info@civplan.com.au W: www.civplan.com.au	JOB NAME: EASTERN PRECINT DEVELOPMENT LOCATION: WARRA WARRA ROAD, SOUTH NOWRA, NSW LGA: SHOALHAVEN CITY COUNCIL - LOT 224 DP 755952		PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES	
SIZE: A1	DESIGN	JE	P0	PRELIMINARY PLANNING PROPOSAL DESIGN UPDATED TO WATER AUTHORITY COMMENTS UPDATES TO RFI	24 MAR 26 13 APR 26 25 AUG 26		RELEASE DATE: 24 MARCH 2026			
DATE OF SURVEY: 31 MAY 2024	DRAWN	JE	P1				CLIENT: LYSAND PTY LTD & LYROCK PTY LTD C/- JERVIS BAY TOWN PLANNING			
	CHECKED	TP	P2				DESCRIPTION: CIVIL ENGINEERING CONCEPT DESIGN			
	APPROVED	JW					DRAWING: DRAINAGE LAYOUT PLAN			
DATUM: MGA2020, AHD						JOB-DRAWING NUMBER		REV		
						24047-SD-2000		P2		



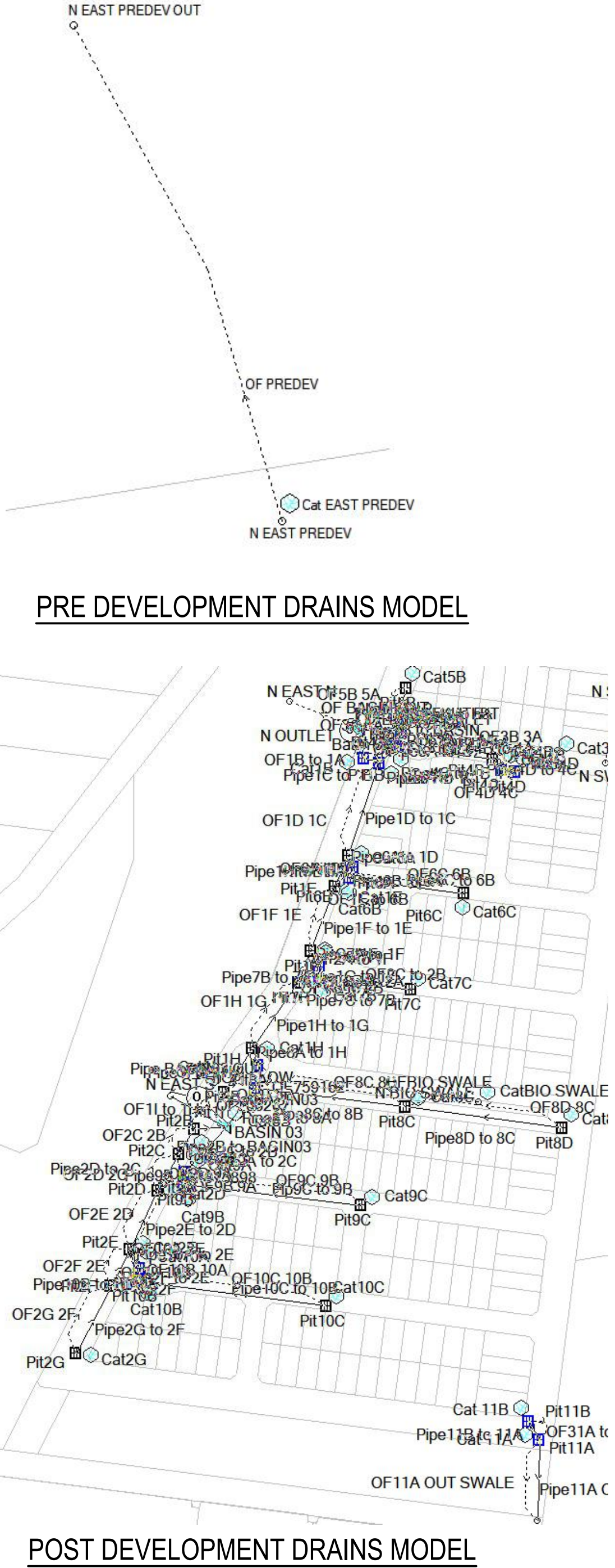
Drains Catchment Plan

DRAINS CATCHMENT		
PRE DEVELOPMENT		
CATCHMENT NAME	AREA (Ha)	IMP
EASTERN PRECINT	16.183	0%
POST DEVELOPMENT		
EASTERN PRECINT	16.183	77%

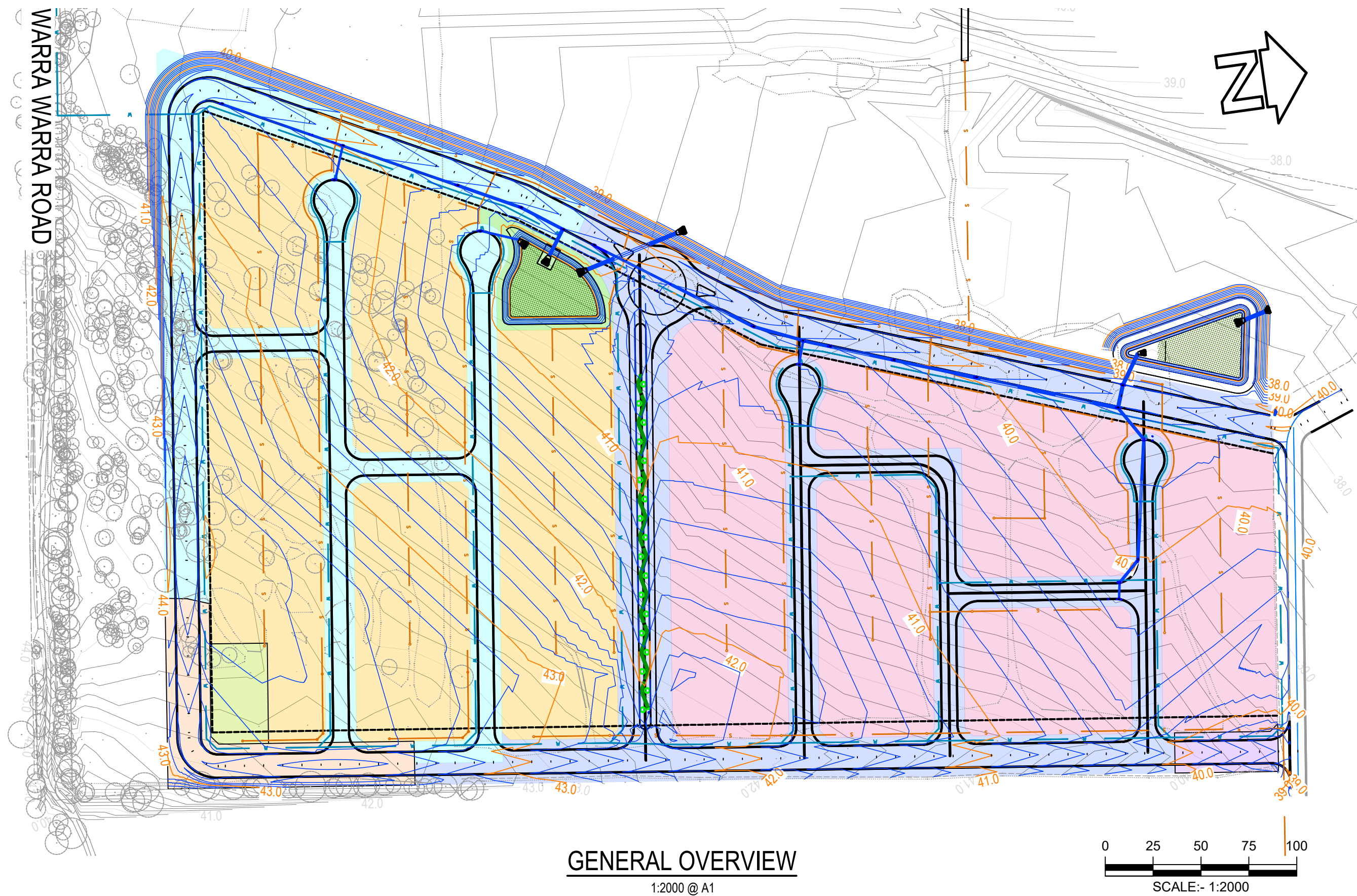
Drains Modelling Notes:

1.
2.
- RAINFALL DATA FROM NOWRA, NSW ARR2019 PROTOCOLS
- COUNCIL REQUIREMENTS TO MATCH PRE & POST DEVELOPMENT FLOWS

Flows (m³/sec)									
% AEP	Pre-Dev m³/s	Post-Dev m³/s	Flow Difference m³/s	Flow Difference %	Status	Water Level Basin 1	Water Level Basin 2	Freeboard Basin 1	Freeboard Basin 2
20%	1.490	1.486	-0.004	0%	OK	39.07	40.47	0.53	0.68
1%	3.490	3.241	-0.249	-8%	OK	39.56	41.13	0.04	0.02



Post Development Drains Model



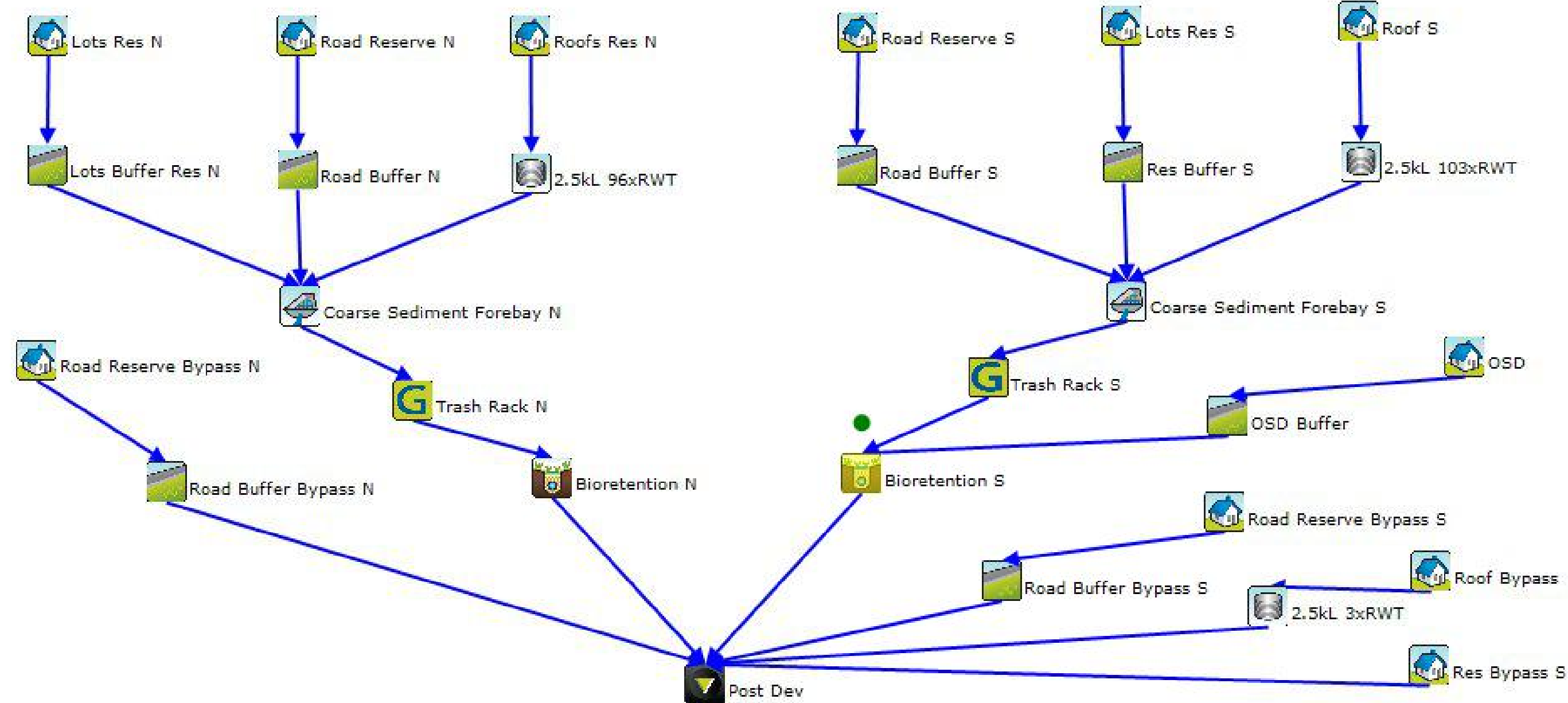
GENERAL OVERVIEW
1:2000 @ A1

POST-DEVELOPMENT EASTERN PRECINCT CATCHMENTS:

ROAD RESERVE VIA ROAD 01 MC01 BIORETENTION BASIN: 2.405ha @ 90% IMPERVIOUS	R1 RESIDENTIAL: 4.585ha @ 80% IMPERVIOUS: ROOF AREA - 3.180ha @ 100% IMPERVIOUS LOT AREA - 1.760ha @ 80% IMPERVIOUS	OSD BASIN: 0.267ha @ 0% IMPERVIOUS
ROAD RESERVE VIA ROAD 01 MC01 BIORETENTION BASIN: 3.570ha @ 90% IMPERVIOUS	R1 RESIDENTIAL: 4.640ha @ 80% IMPERVIOUS: ROOF AREA - 2.880ha @ 100% IMPERVIOUS LOT AREA - 1.760ha @ 80% IMPERVIOUS	ROAD RESERVE BYPASS: 0.114ha @ 90% IMPERVIOUS
		ROAD RESERVE VIA BYPASS: 0.626ha @ 90% IMPERVIOUS

MUSIC MODELLING NOTES:

- RAINFALL DATA FROM SHOALHAVEN CITY COUNCIL MUSIC LINK NODE - NOWRA RAN AIR STATION
- ALL LOTS/ COMMERCIAL BUILDINGS WERE ASSUMED TO INCLUDE A RWT (2.5kL REUSE RESIDENTIAL AND 10kL COMMERCIAL) WITH THE FOLLOWING REUSE:
- RESIDENTIAL
 - EXTERNAL 55kL/YEAR/DWELLING
 - INTERNAL 0.845kL/DAY/DWELLING
- COMMERCIAL
 - EXTERNAL 0.1kL/YEAR/1000m²
 - INTERNAL 20kL/DAY/1000m²
- ALL LOTS/ UNITS AND ROADS ARE TO INCLUDE A BUFFER ZONE



STORMWATER QUALITY RESULTS - EASTERN PRECINCT PLAN

Latest Run : Treatment Train Effectiveness : Post Dev

	Sources	Residual Load	% Reduction
Flow (ML/yr)	151.5	139	8.238
Total Suspended Solids (kg/yr)	2.712E+04	2504	90.77
Total Phosphorus (kg/yr)	52.15	14.7	71.8
Total Nitrogen (kg/yr)	343	152.8	55.45
Gross Pollutants (kg/yr)	3443	127.8	96.29

STORMWATER QUALITY MODELLING EASTERN PRECINCT PLAN

SCALE: AS NOTED SIZE: A1 DATE OF SURVEY: 31 MAY 2024 DATUM: MGA2020, AHD	SURVEY	CEH	REV	DESCRIPTION	DATE	CIVPLAN PTY LIMITED ALL RIGHTS RESERVED. THIS DOCUMENT IS PRODUCED BY CIVPLAN PTY LTD SOLELY FOR THE BENEFIT OF AND USE BY THE CLIENT IN ACCORDANCE WITH THE TERMS OF THE RETAINER. CIVPLAN PTY LTD DOES NOT AND SHALL NOT ASSUME ANY RESPONSIBILITY OR LIABILITY WHATSOEVER TO ANY THIRD PARTY ARISING OUT OF ANY USE OF RELIANCE BY THIRD PARTY ON THE CONTENT OF THIS DOCUMENT.	 CIVIL ENGINEERING & DEVELOPMENT CIVPLAN PTY LTD ABN: 49 620 926 114 CIVPLAN CONSULTING PTY LTD ABN: 79 157 731 912 SOUTH COAST OFFICE: 390 PRINCES HIGHWAY, BOMADERRY NSW 2541 SYDNEY OFFICE: LEVEL 36, GATEWAY, 1 MACQUARIE PL, SYDNEY NSW 2000 T: 1800 318 052 E: info@civplan.com.au W: www.civplan.com.au	JOB NAME: EASTERN PRECINCT DEVELOPMENT		PRELIMINARY	
	DESIGN	JE	P0	PRELIMINARY PLANNING PROPOSAL DESIGN	24 MAR 26			LOCATION: WARRA WARRA ROAD, SOUTH NOWRA, NSW		NOT TO BE USED FOR CONSTRUCTION PURPOSES	
	DRAWN	JE	P1	UPDATED TO WATER AUTHORITY COMMENTS	13 APR 26			LGA: SHOALHAVEN CITY COUNCIL - LOT 224 DP 755952			
	CHECKED	TP	P2	UPDATES TO RFI	25 AUG 26			CLIENT: LYSAND PTY LTD & LYROCK PTY LTD C/- JERVIS BAY TOWN PLANNING		RELEASE DATE: 24 MARCH 2026	
	APPROVED	JW						DESCRIPTION: CIVIL ENGINEERING CONCEPT DESIGN		JOB-DRAWING NUMBER	
						DRAWING: STORMWATER QUALITY MODELLING PLAN		24047-SQ-2056			
								REV	P2		



CONTINUATION LINE SHEET: PLAN 2 24047-SE-3101

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COVER OF EXCELLENCE

Liability limited by a scheme approved under Professional Standards Legislation.

GDA 2020

NOTE:
LAYOUT SUBJECT TO DEVELOPMENT APPLICATION

SHEET LEGEND	
EXISTING SEWER MAIN	
PROPOSED SEWER MAIN	
PROPOSED SEWER MANHOLE	
UNDERBORE PIT LOCATION	

SEWER LAYOUT PLAN 1
1:750 @ A1

SCALE: AS NOTED
SIZE: A1
DATE OF SURVEY: 31 MAY 2024
DATUM: MGA2020, AHD

SURVEY	CEH	REV	DESCRIPTION	DATE
DESIGN	JE	P0	PRELIMINARY PLANNING PROPOSAL DESIGN UPDATED TO WATER AUTHORITY COMMENTS UPDATES TO RFI	24 MAR 26
DRAWN	JE	P1		13 APR 26
CHECKED	TP	P2		25 AUG 26
APPROVED	JW			

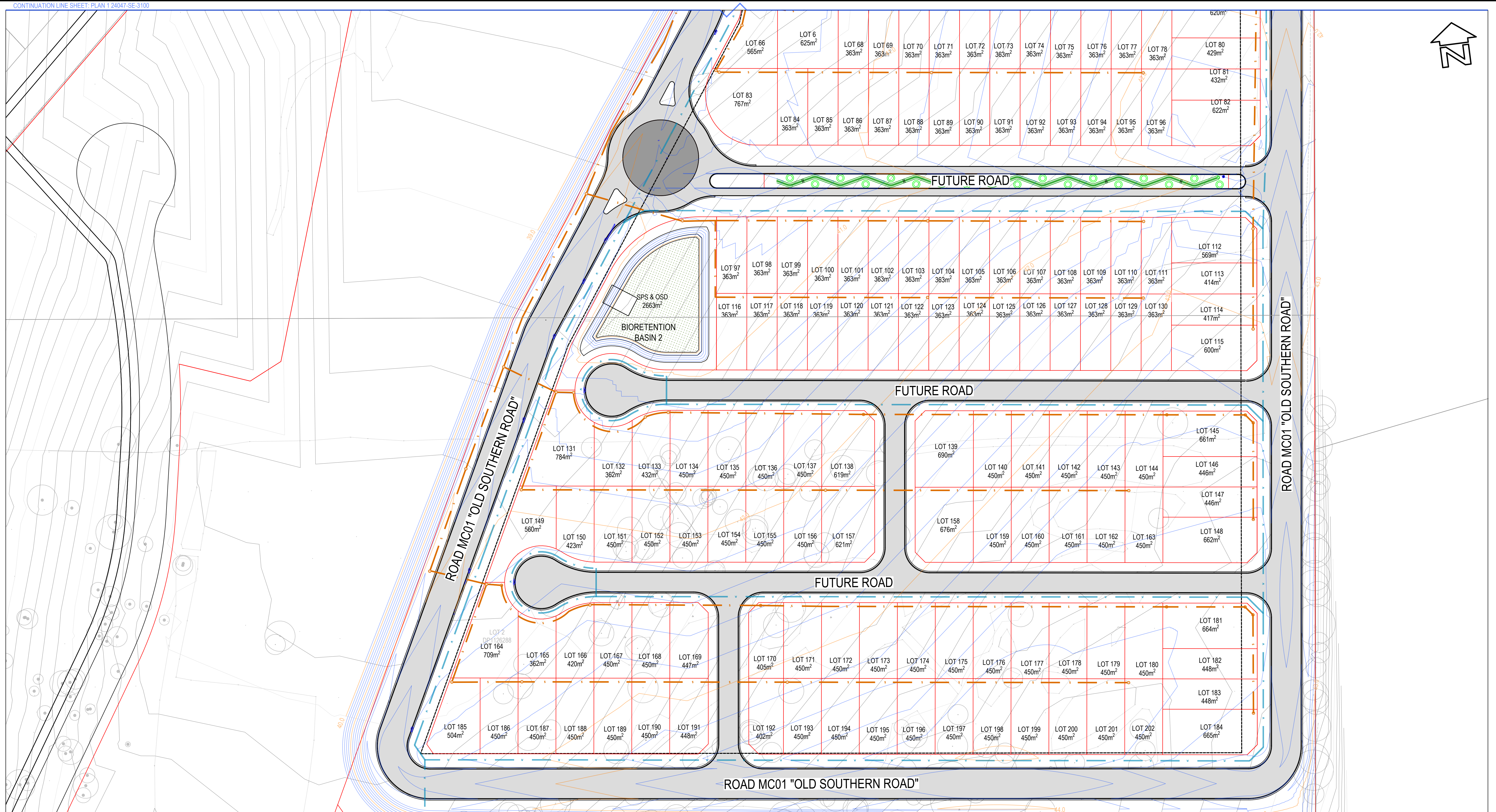
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CIVPLAN CONSULTING PTY LTD ABN: 79 157 731 912
SOUTH COAST OFFICE: 390 PRINCES HIGHWAY, BOMADERRY NSW 2541
SYDNEY OFFICE: LEVEL 36, GATEWAY 1, MACQUARIE PL, SYDNEY NSW 2000
T: 1800 318 052 E: info@civplan.com.au W: www.civplan.com.au

JOB NAME: EASTERN PRECINT DEVELOPMENT
LOCATION: WARRA WARRA ROAD, SOUTH NOWRA, NSW
LGA: SHOALHAVEN CITY COUNCIL - LOT 224 DP 755952

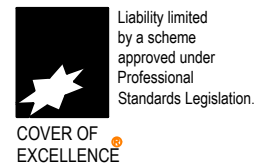
CLIENT: LYSAND PTY LTD & LYROCK PTY LTD C/- JERVIS BAY TOWN PLANNING	PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES
DESCRIPTION: CIVIL ENGINEERING CONCEPT DESIGN	
DRAWING: SEWER NETWORK LAYOUT PLAN	

RELEASE DATE: 24 MARCH 2026	REV P2
JOB-DRAWING NUMBER 24047-SE-3100	



SEWER LAYOUT PLAN 2
1:750 @ A1

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF UNDERGROUND SERVICES ARE
APPROXIMATE ONLY AND THEIR EXACT POSITION
SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN
THAT ALL EXISTING SERVICES ARE SHOWN.

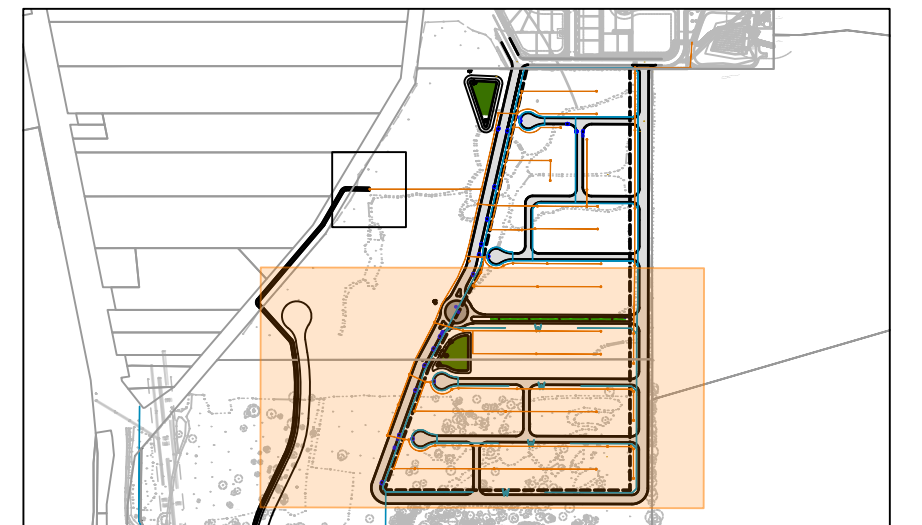
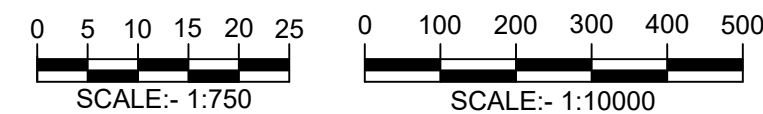


NOTE:

LAYOUT SUBJECT TO DEVELOPMENT APPLICATION

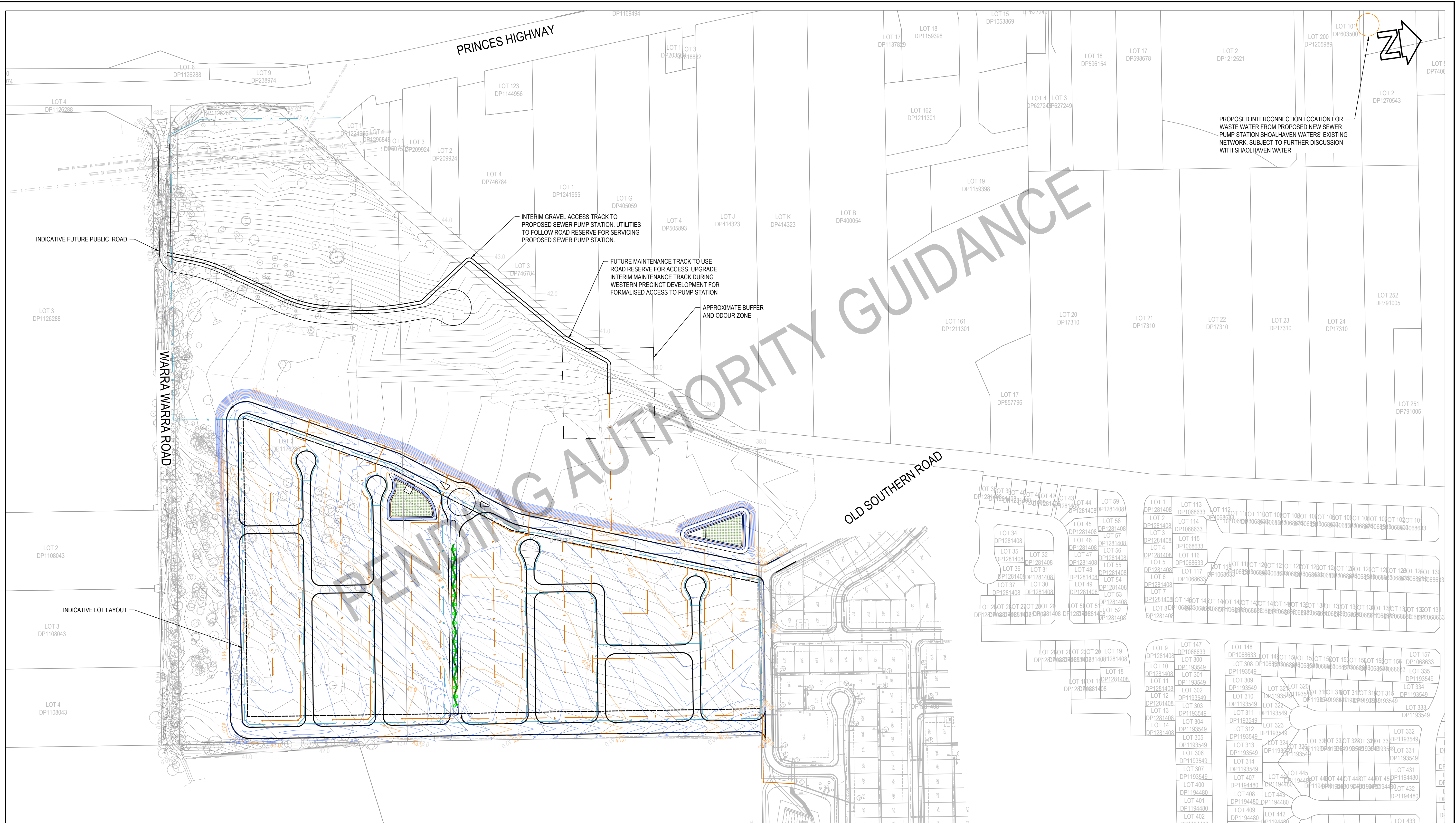
SHEET LEGEND

EXISTING SEWER MAIN	---
PROPOSED SEWER MAIN	---
PROPOSED SEWER MANHOLE	●



GENERAL OVERVIEW
1:10000 @ A1

SCALE: AS NOTED	SURVEY	CEH	REV	DESCRIPTION	DATE	CIVPLAN PTY LIMITED ALL RIGHTS RESERVED. THIS DOCUMENT IS PRODUCED BY CIVPLAN PTY LTD SOLELY FOR THE BENEFIT OF AND USE BY THE CLIENT IN ACCORDANCE WITH THE TERMS OF THE RETAINER. CIVPLAN PTY LTD DOES NOT AND SHALL NOT ASSUME ANY RESPONSIBILITY OR LIABILITY WHATSOEVER TO ANY THIRD PARTY ARISING OUT OF ANY USE OF RELIANCE BY THIRD PARTY ON THE CONTENT OF THIS DOCUMENT.	 CIVPLAN PTY LTD ABN: 49 620 926 114 CIVPLAN CONSULTING PTY LTD ABN: 79 157 731 912 SOUTH COAST OFFICE: 390 PRINCES HIGHWAY, BOMADERRY NSW 2541 SYDNEY OFFICE: LEVEL 36, GATEWAY, 1 MACQUARIE PL, SYDNEY NSW 2000 T: 1800 318 052 E: info@civplan.com.au W: www.civplan.com.au	JOB NAME: EASTERN PRECINT DEVELOPMENT LOCATION: WARRA WARRA ROAD, SOUTH NOWRA, NSW LGA: SHOALHAVEN CITY COUNCIL - LOT 224 DP 755952	PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES	
SIZE: A1	DESIGN	JE	P0	PRELIMINARY PLANNING PROPOSAL DESIGN UPDATED TO WATER AUTHORITY COMMENTS UPDATES TO RFI	24 MAR 26 13 APR 26 25 AUG 26				RELEASE DATE: 24 MARCH 2026	
DATE OF SURVEY: 31 MAY 2024	DRAWN	JE	P1						JOB-DRAWING NUMBER	
	CHECKED	TP	P2						24047-SE-3101	
	DATUM: MGA2020, AHD	APPROVED	JW							



SEWER CONNECTION PLAN

1:2000 @ A1

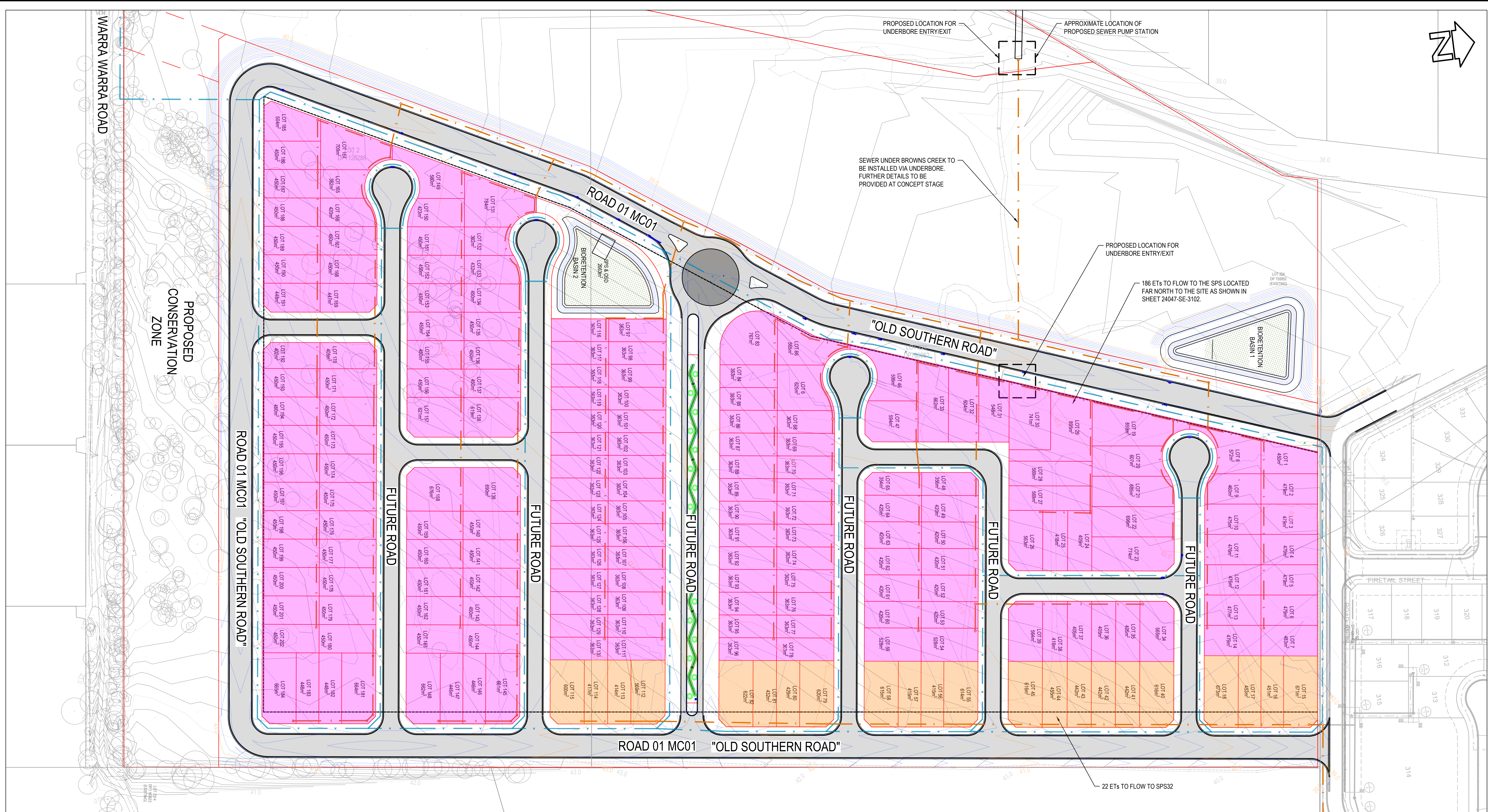
WARNING
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SHEET LEGEND	
EXISTING SEWER MAIN	---
PROPOSED SEWER MAIN	---
PROPOSED SEWER MANHOLE	○

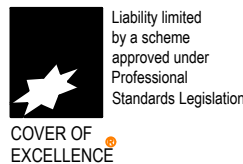


SCALE: AS NOTED SIZE: A1 DATE OF SURVEY: 31 MAY 2024 DATUM: MGA2020, AHD	SURVEY	CEH	REV	DESCRIPTION	DATE	CIVPLAN PTY LIMITED ALL RIGHTS RESERVED. THIS DOCUMENT IS PRODUCED BY CIVPLAN PTY LTD SOLELY FOR THE BENEFIT OF AND USE BY THE CLIENT IN ACCORDANCE WITH THE TERMS OF THE RETAINER. CIVPLAN PTY LTD DOES NOT AND SHALL NOT ASSUME ANY RESPONSIBILITY OR LIABILITY WHATSOEVER TO ANY THIRD PARTY ARISING OUT OF ANY USE OF RELIANCE BY THIRD PARTY ON THE CONTENT OF THIS DOCUMENT.	 CIVPLAN PTY LTD ABN: 49 620 926 114 CIVPLAN CONSULTING PTY LTD ABN: 79 157 731 912 SOUTH COAST OFFICE: 390 PRINCES HIGHWAY, BOMADERRY NSW 2541 SYDNEY OFFICE: LEVEL 36, GATEWAY, 1 MACQUARIE PL, SYDNEY NSW 2000 T: 1800 318 052 E: info@civplan.com.au W: www.civplan.com.au	JOB NAME: EASTERN PRECINT DEVELOPMENT LOCATION: WARRA WARRA ROAD, SOUTH NOWRA, NSW LGA: SHOALHAVEN CITY COUNCIL - LOT 224 DP 755952	PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES	
	DESIGN	JE	P0	PRELIMINARY PLANNING PROPOSAL DESIGN UPDATED TO WATER AUTHORITY COMMENTS UPDATES TO RFI	24 MAR 26 13 APR 26 25 AUG 26				RELEASE DATE: 24 MARCH 2026	
	DRAWN	JE	P1						JOB-DRAWING NUMBER	
	CHECKED	TP	P2						24047-SE-3102	
	APPROVED	JW							P2	



SEWER CATCHMENT PLAN
1:1500 @ A1

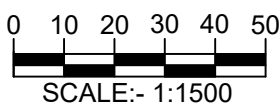
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SHEET LEGEND	
EXISTING SEWER MAIN	
PROPOSED SEWER MAIN	
PROPOSED SEWER MANHOLE	

NOTE:
LAYOUT SUBJECT TO DEVELOPMENT APPLICATION

- LOTS PROPOSED TO NEW PUMP STATION (186ETS)
- LOTS PROPOSED TO EXISTING PUMP STATION (22ETS)



SCALE: AS NOTED SIZE: A1 DATE OF SURVEY: 31 MAY 2024 DATUM: MGA2020, AHD	SURVEY	CEH	REV	DESCRIPTION	DATE	CIVPLAN PTY LIMITED ALL RIGHTS RESERVED. THIS DOCUMENT IS PRODUCED BY CIVPLAN PTY LTD SOLELY FOR THE BENEFIT OF AND USE BY THE CLIENT IN ACCORDANCE WITH THE TERMS OF THE RETAINER. CIVPLAN PTY LTD DOES NOT AND SHALL NOT ASSUME ANY RESPONSIBILITY OR LIABILITY WHATSOEVER TO ANY THIRD PARTY ARISING OUT OF ANY USE OF RELIANCE BY THIRD PARTY ON THE CONTENT OF THIS DOCUMENT.	 CIVPLAN PTY LTD ABN: 49 620 626 114 CIVPLAN CONSULTING PTY LTD ABN: 79 157 731 912 SOUTH COAST OFFICE: 390 PRINCES HIGHWAY, BOMADERRY NSW 2541 SYDNEY OFFICE: LEVEL 36, GATEWAY 1, MACQUARIE PL, SYDNEY NSW 2000 T: 1800 318 052 E: info@civplan.com.au W: www.civplan.com.au	JOB NAME: EASTERN PRECINT DEVELOPMENT		PRELIMINARY	
	DESIGN	JE	P0	PRELIMINARY PLANNING PROPOSAL DESIGN	24 MAR 26			LOCATION: WARRA WARRA ROAD, SOUTH NOWRA, NSW		NOT TO BE USED FOR CONSTRUCTION PURPOSES	
	DRAWN	JE	P1	UPDATED TO WATER AUTHORITY COMMENTS	13 APR 26			LGA: SHOALHAVEN CITY COUNCIL - LOT 224 DP 755952			
	CHECKED	TP	P2	UPDATES TO RFI	25 AUG 26			CLIENT: LYSAND PTY LTD & LYROCK PTY LTD C/- JERVIS BAY TOWN PLANNING		RELEASE DATE: 24 MARCH 2026	
	APPROVED	JW						DESCRIPTION: CIVIL ENGINEERING CONCEPT DESIGN		JOB-DRAWING NUMBER	REV
						DRAWING: SEWER NETWORK LAYOUT PLAN		24047-SE-3101	P2		



CONTINUATION LINE SHEET: PLAN 2 24047-WA-4101

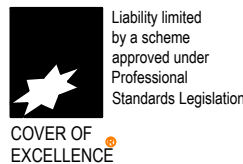
WATER RETICULATION LAYOUT PLAN 1

1:750 @ A1

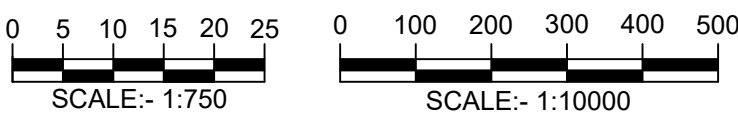
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NOTE:

LAYOUT SUBJECT TO DEVELOPMENT APPLICATION

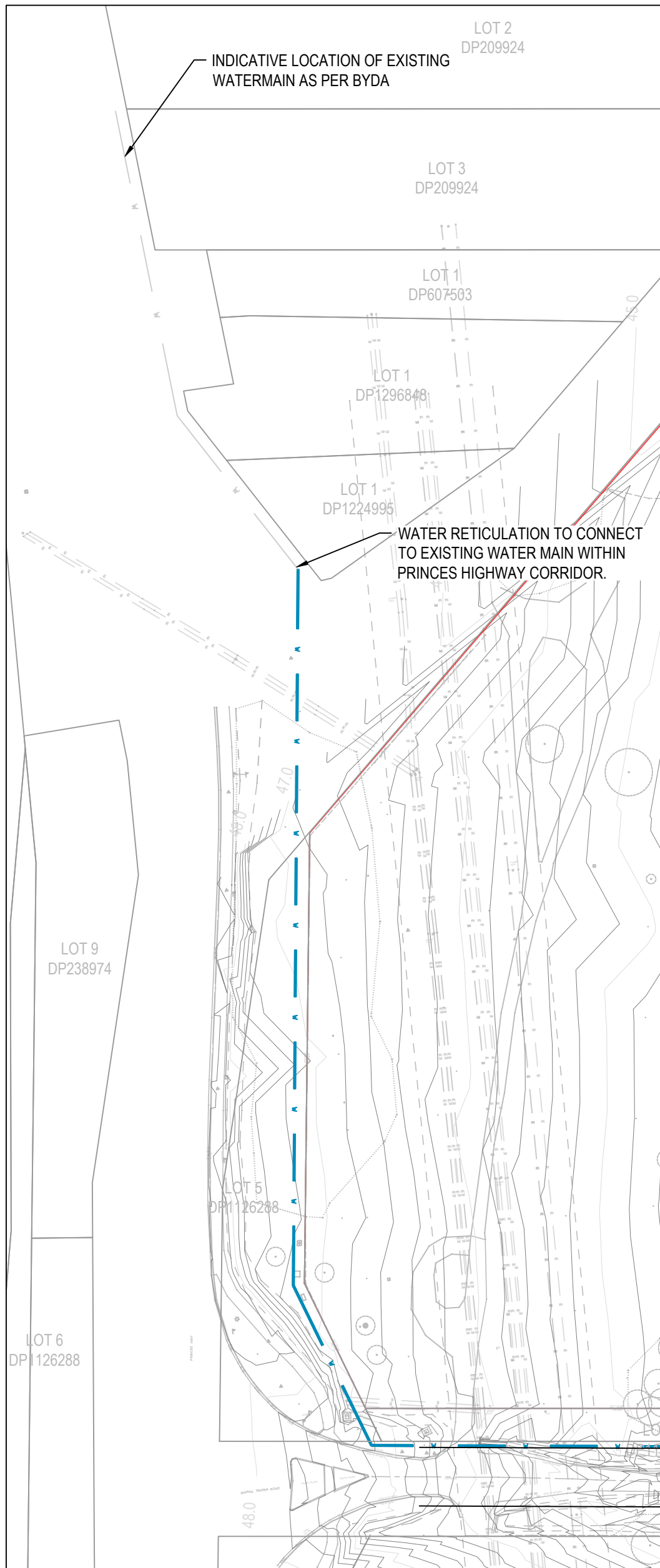


SHEET SET LEGEND	
DESCRIPTIONS	PROPOSED
WATER MAIN / TRUNK MAIN	



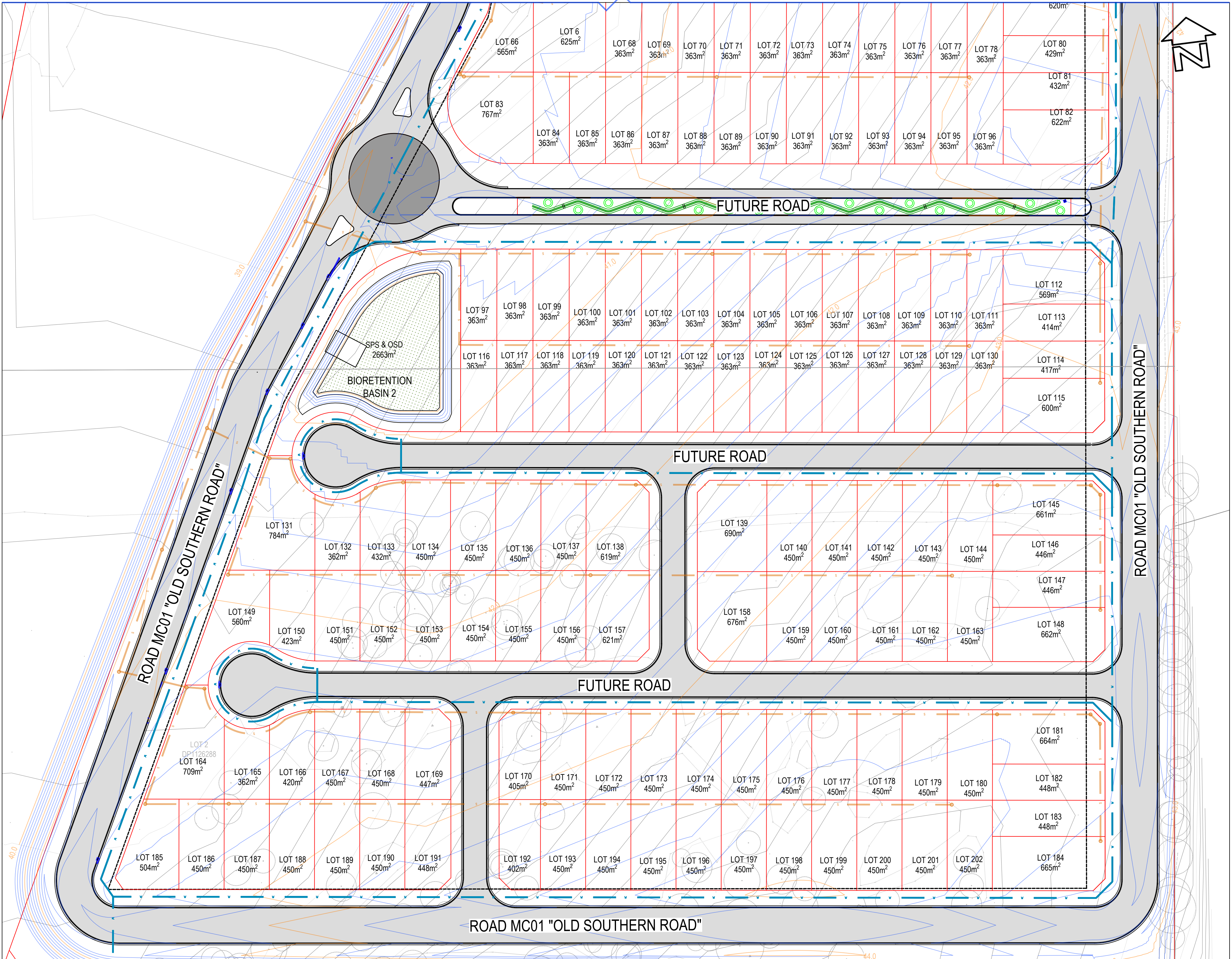
SCALE: AS NOTED SIZE: A1 DATE OF SURVEY: 31 MAY 2024 DATUM: MGA2020, AHD	SURVEY	CEH	REV	DESCRIPTION	DATE	CIVPLAN PTY LIMITED ALL RIGHTS RESERVED. THIS DOCUMENT IS PRODUCED BY CIVPLAN PTY LTD SOLELY FOR THE BENEFIT OF AND USE BY THE CLIENT IN ACCORDANCE WITH THE TERMS OF THE RETAINER. CIVPLAN PTY LTD DOES NOT AND SHALL NOT ASSUME ANY RESPONSIBILITY OR LIABILITY WHATSOEVER TO ANY THIRD PARTY ARISING OUT OF ANY USE OF RELIANCE BY THIRD PARTY ON THE CONTENT OF THIS DOCUMENT.	 CIVPLAN PTY LTD ABN: 49 620 926 114 CIVPLAN CONSULTING PTY LTD ABN: 79 157 731 912 SOUTH COAST OFFICE: 390 PRINCES HIGHWAY, BOMADERRY NSW 2541 SYDNEY OFFICE: LEVEL 36, GATEWAY, 1 MACQUARIE PL, SYDNEY NSW 2000 T: 1800 318 052 E: info@civplan.com.au W: www.civplan.com.au	JOB NAME: EASTERN PRECINT DEVELOPMENT LOCATION: WARRA WARRA ROAD, SOUTH NOWRA, NSW LGA: SHOALHAVEN CITY COUNCIL - LOT 224 DP 755952		PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES	
	DESIGN	JE	P0	PRELIMINARY PLANNING PROPOSAL DESIGN UPDATED TO WATER AUTHORITY COMMENTS UPDATES TO RFI	24 MAR 26 13 APR 26 25 AUG 26			RELEASE DATE: 24 MARCH 2026			
	DRAWN	JE	P1					JOB-DRAWING NUMBER			
	CHECKED	TP	P2					24047-WA-4100			
	APPROVED	JW						REV			
											P2

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WATER RETICULATION LAYOUT PLAN 3

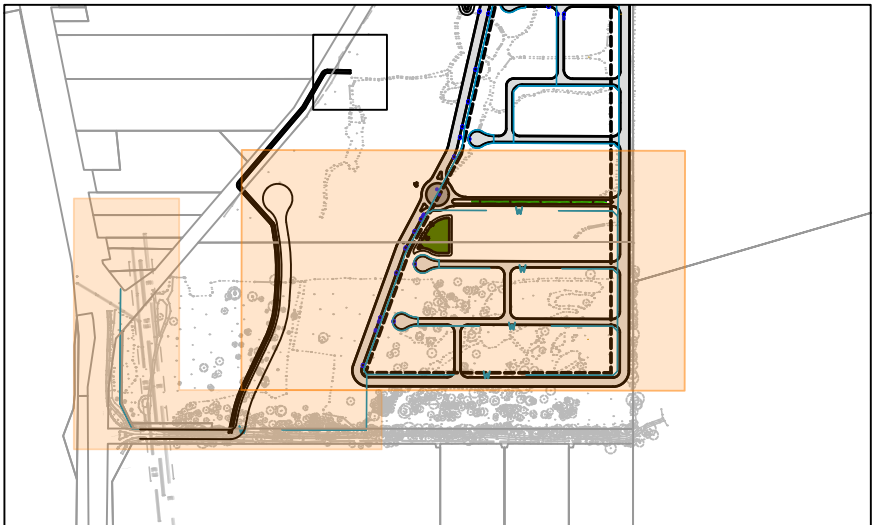
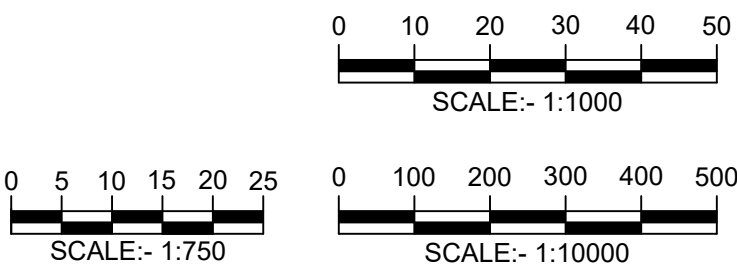
1:1000 @ A1



WATER RETICULATION LAYOUT PLAN 2

1:750 @ A1

SHEET SET LEGEND	
DESCRIPTIONS	PROPOSED
WATER MAIN / TRUNK MAIN	



GENERAL OVERVIEW

1:10000 @ A1

SCALE: AS NOTED	SURVEY	CEH	REV	DESCRIPTION	DATE	CIVPLAN PTY LIMITED ALL RIGHTS RESERVED.	 CIVPLAN PTY LTD ABN: 49 620 926 114 CIVPLAN CONSULTING PTY LTD ABN: 79 157 731 912 SOUTH COAST OFFICE: 390 PRINCES HIGHWAY, BOMADERRY NSW 2541 SYDNEY OFFICE: LEVEL 36, GATEWAY 1, MACQUARIE PL, SYDNEY NSW 2000 T: 1800 318 052 E: info@civplan.com.au W: www.civplan.com.au	JOB NAME: EASTERN PRECINT DEVELOPMENT LOCATION: WARRA WARRA ROAD, SOUTH NOWRA, NSW LGA: SHOALHAVEN CITY COUNCIL - LOT 224 DP 755952	PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES	
SIZE: A1	DESIGN	JE	P0	PRELIMINARY PLANNING PROPOSAL DESIGN UPDATED TO WATER AUTHORITY COMMENTS UPDATES TO RFI	24 MAR 26	THIS DOCUMENT IS PRODUCED BY CIVPLAN PTY LTD SOLELY FOR THE BENEFIT OF AND USE BY THE CLIENT IN ACCORDANCE WITH THE TERMS OF THE RETAINER. CIVPLAN PTY LTD DOES NOT AND SHALL NOT ASSUME ANY RESPONSIBILITY OR LIABILITY WHATSOEVER TO ANY THIRD PARTY ARISING OUT OF ANY USE OF RELIANCE BY THIRD PARTY ON THE CONTENT OF THIS DOCUMENT.		CLIENT: LYSAND PTY LTD & LYROCK PTY LTD C/- JERVIS BAY TOWN PLANNING DESCRIPTION: CIVIL ENGINEERING CONCEPT DESIGN DRAWING: WATER RETICULATION LAYOUT PLAN 2 OF 2	RELEASE DATE: 24 MARCH 2026	
DATE OF SURVEY: 31 MAY 2024	DRAWN	JE	P1		13 APR 26					
DATUM: MGA2020, AHD	CHECKED	TP	P2		25 AUG 26					
	APPROVED	JW								