

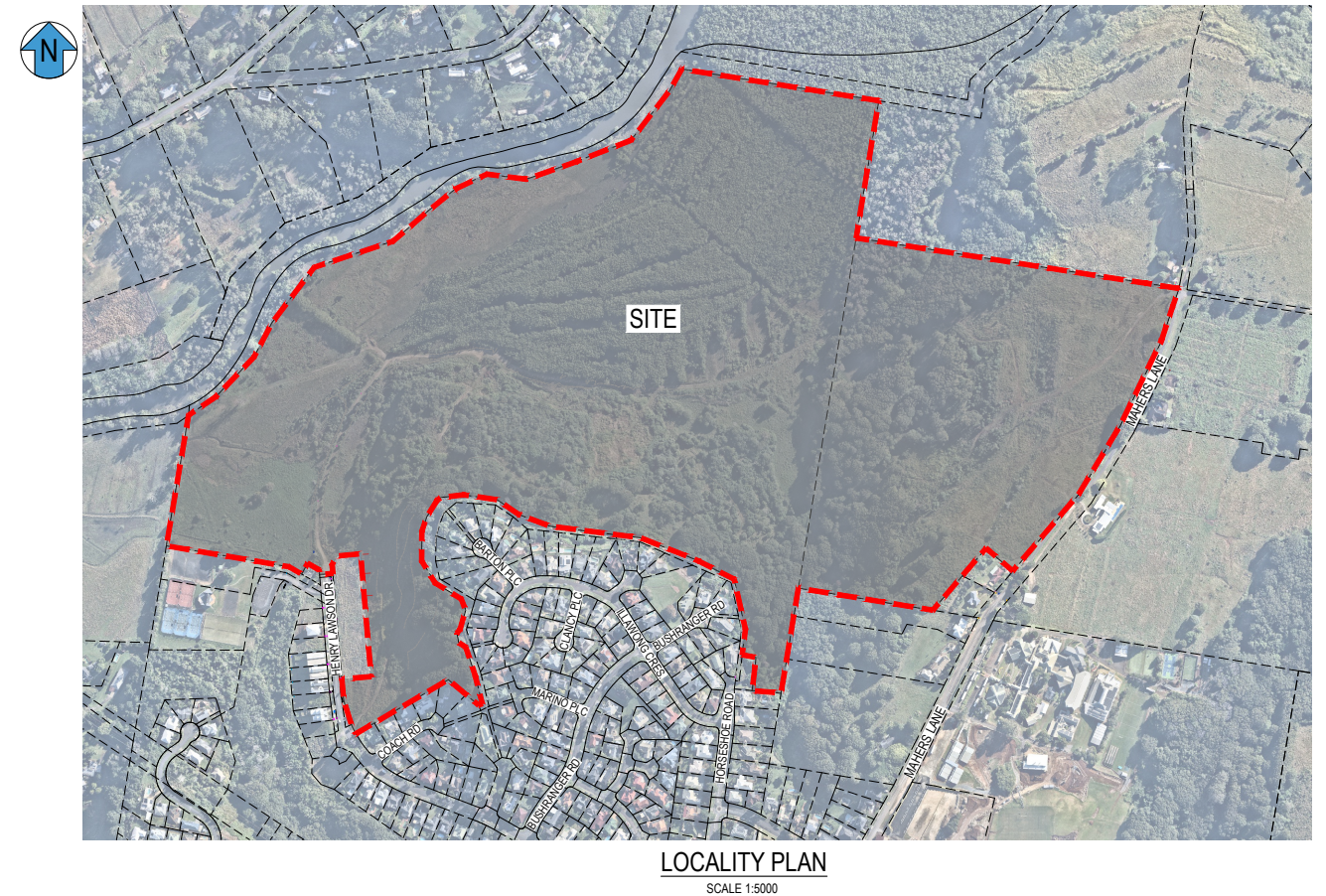
NORTH - TERRANORA
HENRY LAWSON DRIVE, TERRANORA
LOT 13 ON DP1264394

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SK031	EXISTING SITE LAYOUT SHEET 2 OF 2
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SK041	WETLAND AND ENVIRONMENTAL BUFFERS PLAN SHEET 2 OF 2
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DRAWING INDEX (CONTINUATION)

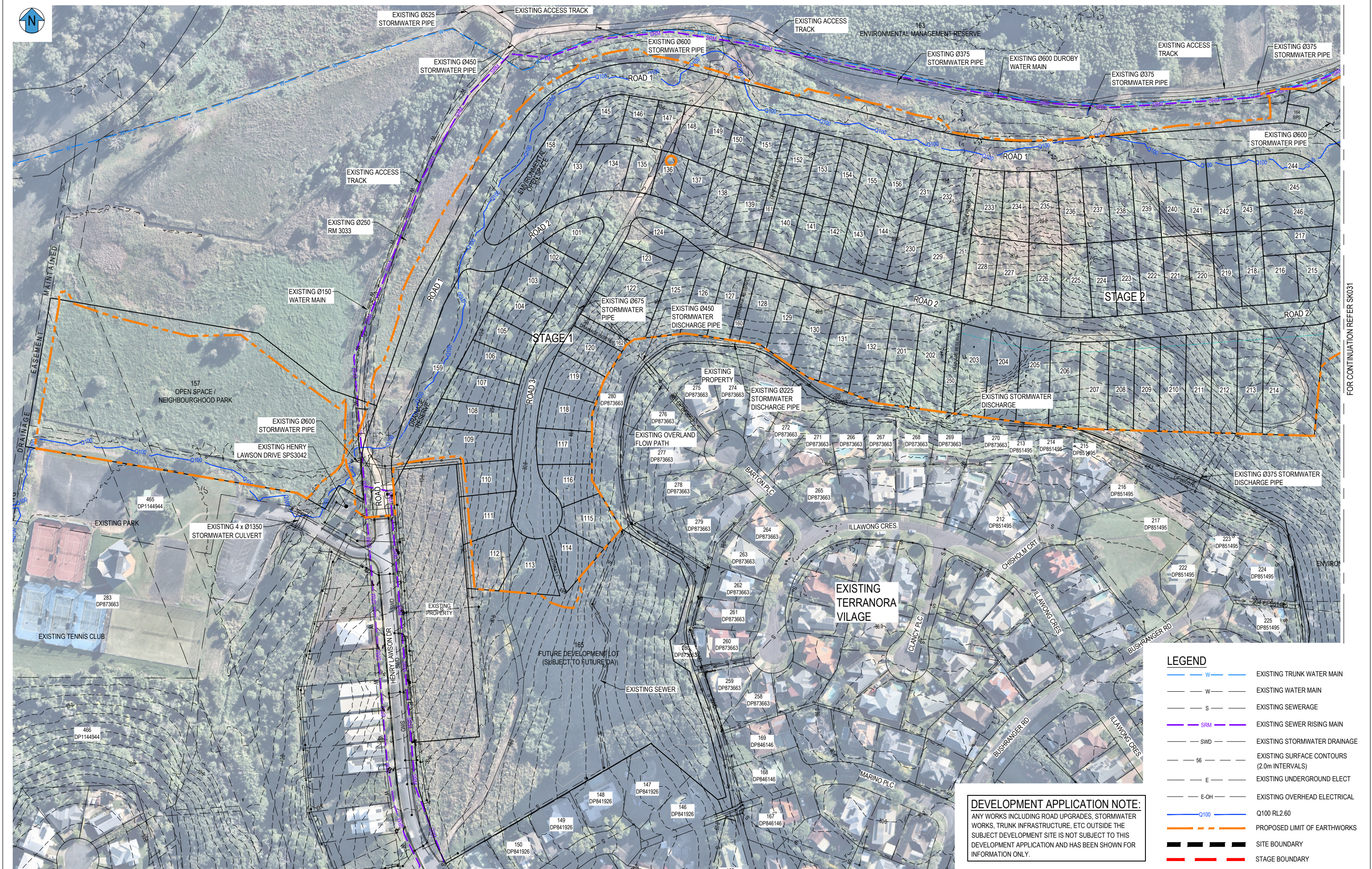
SK333	ROAD 1 CROSS SECTIONS SHEET 4 OF 11
SK334	ROAD 1 CROSS SECTIONS SHEET 5 OF 11
SK335	ROAD 1 CROSS SECTIONS SHEET 6 OF 11
SK336	ROAD 1 CROSS SECTIONS SHEET 7 OF 11
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SK341	ROAD 2 CROSS SECTIONS SHEET 1 OF 4
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DEVELOPMENT APPLICATION NOTE:

ANY WORKS INCLUDING ROAD UPGRADES, STORMWATER WORKS, TRUNK INFRASTRUCTURE, ETC OUTSIDE THE SUBJECT DEVELOPMENT SITE IS NOT SUBJECT TO THIS DEVELOPMENT APPLICATION AND HAS BEEN SHOWN FOR INFORMATION ONLY.

REV		REVISION DESCRIPTION		DESIGN	DRAWN	DATE	SCALE		ASSOCIATED CONSULTANTS		CLIENT		PROJECT		DRAWING TITLE		
A	ISSUE FOR APPROVAL			DH	MT	11.12.24	1 : 5000 1 : 10,000		  		MAHERS LANE DEVELOPMENTS PTY LTD		NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394		DRAWING INDEX & LOCALITY PLAN		
							1 : 5000 1 : 10,000						STATUS ISSUE FOR APPROVAL		PROJECT No. 2023076	DRAWING No. SK000	REVISION A
							COUNCIL TWEED SHIRE COUNCIL										



LEGEND	
	EXISTING TRUNK WATER MAIN
	EXISTING WATER MAIN
	EXISTING SEWERAGE
	EXISTING SEWER RISING MAIN
	EXISTING STORMWATER DRAINAGE
	EXISTING SURFACE CONTOURS (2.0m INTERVALS)
	EXISTING UNDERGROUND ELECT
	EXISTING OVERHEAD ELECTRICAL
	Q100 RL2.60
	PROPOSED LIMIT OF EARTHWORKS
	SITE BOUNDARY
	STAGE BOUNDARY

DEVELOPMENT APPLICATION NOTE:
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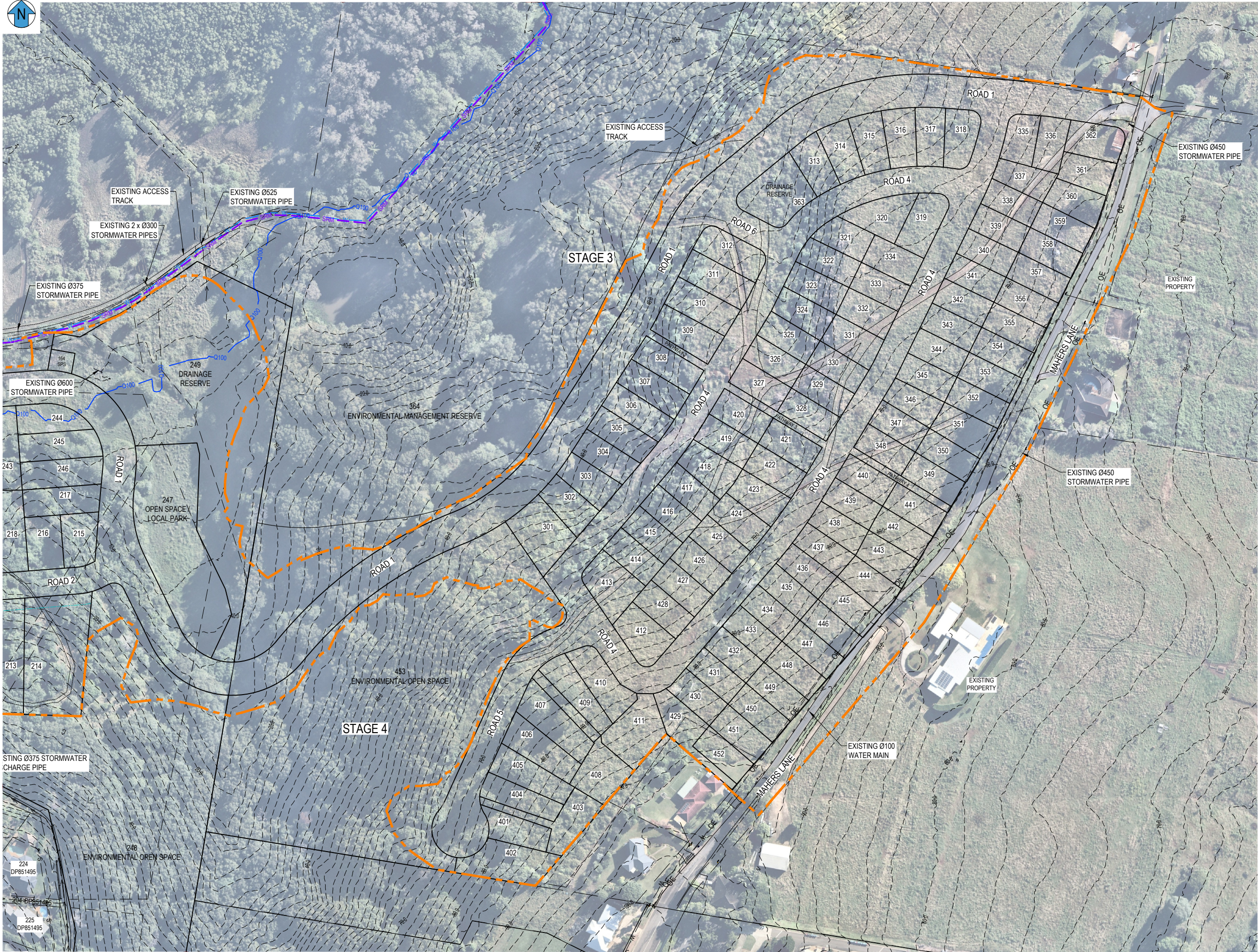
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							zone		CIVIL 360 ENGINEERING		STATUS		PROJECT No.		
							zone		0406 424 223 / 0423 593 058		ISSUE FOR APPROVAL		2023076		
							TWEED SHIRE COUNCIL		info@civil360.com.au				PROJECT No.		
													DRAWING No.		
													SK030		
													REVISION		
													A		



DEVELOPMENT APPLICATION NOTE:

ANY WORKS INCLUDING ROAD UPGRADES, STORMWATER WORKS, TRUNK INFRASTRUCTURE, ETC OUTSIDE THE SUBJECT DEVELOPMENT SITE IS NOT SUBJECT TO THIS DEVELOPMENT APPLICATION AND HAS BEEN SHOWN FOR INFORMATION ONLY.

FOR CONTINUATION REFER SK030



NOTE:
REFER SKETCH SK030 FOR NOTES AND LEGEND.

REV	REVISION DESCRIPTION	DESIGN	DRAWN	DATE	SCALE
A	ISSUE FOR APPROVAL	DH	MT	11.12.24	1:1000 1:2000

SCALE	10 0 10 20 30 40 50m	A1 A3
COUNCIL	TWEED SHIRE COUNCIL	

ASSOCIATED CONSULTANTS







PROJECT MANAGEMENT
CIVIL ENGINEERING
LAND DEVELOPMENT

0406 424 223 / 0423 593 058
info@civil360.com.au

CLIENT

MAHERS LANE
DEVELOPMENTS PTY LTD

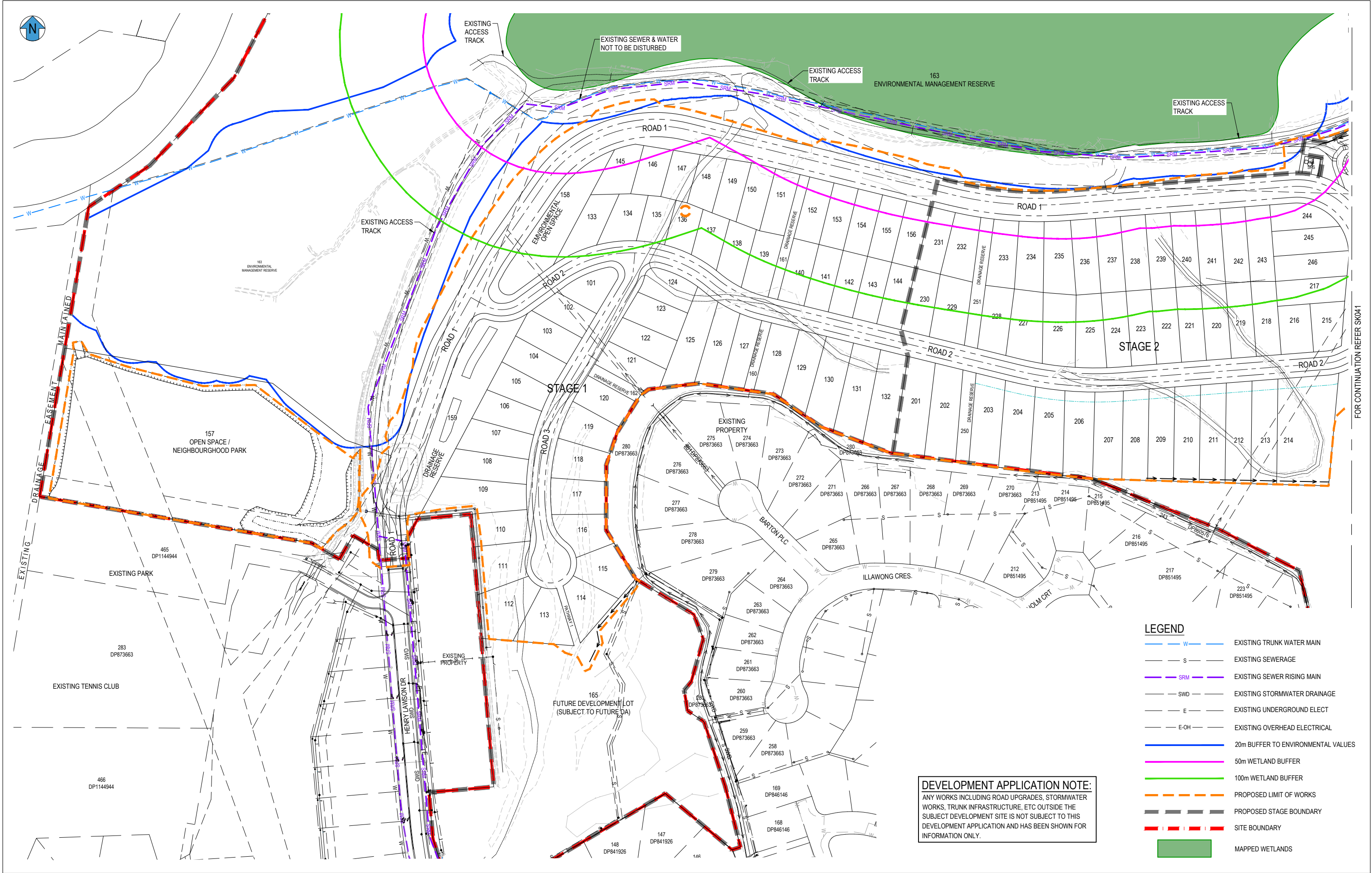
PROJECT

NORTH - TERRANORA
HENRY LAWSON DRIVE, TERRANORA
LOT 13 ON DP1264394

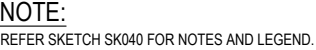
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ISSUE FOR APPROVAL

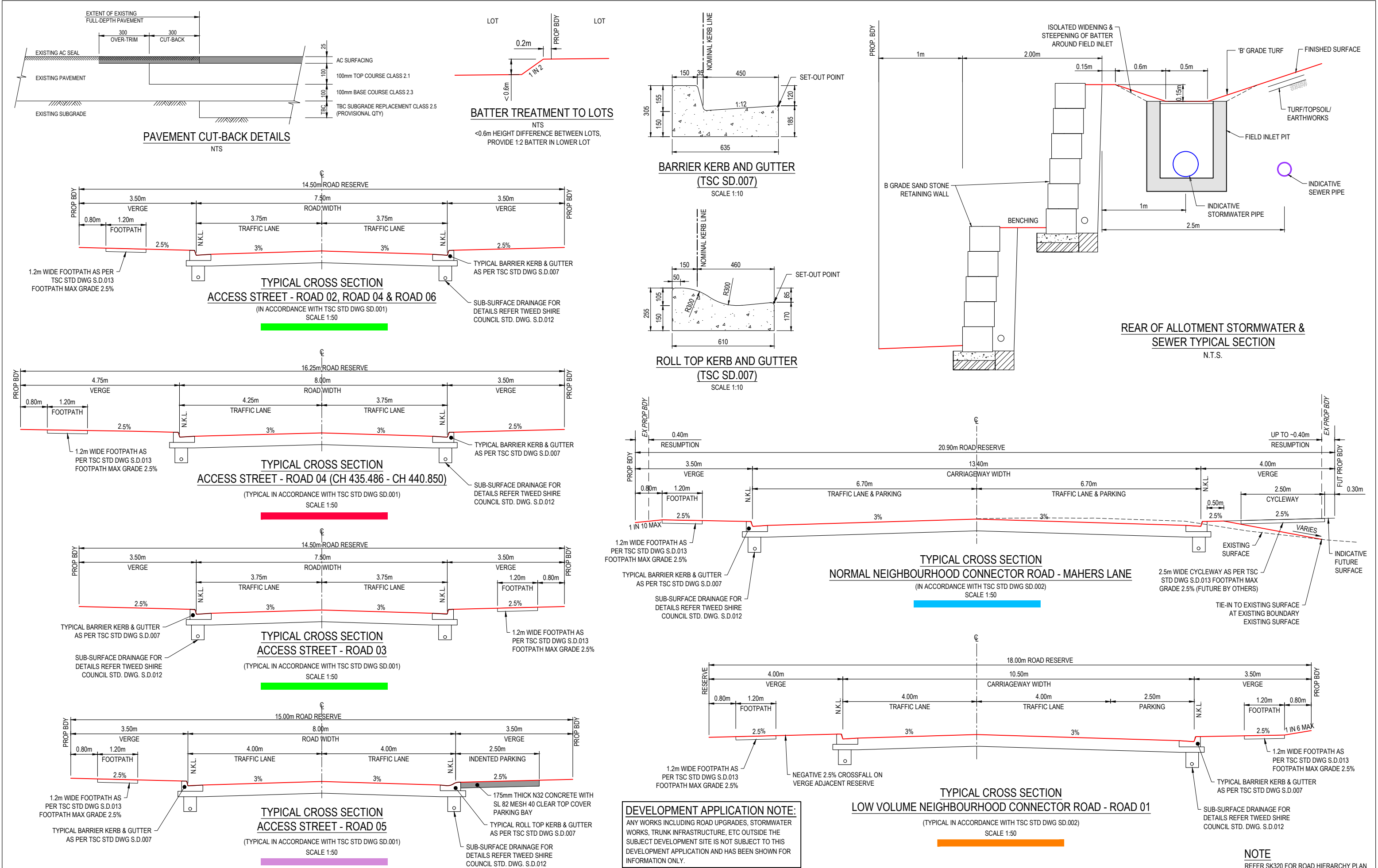
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EXISTING SITE LAYOUT SHEET 2 OF 2			
PROJECT No.	DRAWING No.	REVISION	
2023076	SK031	A	

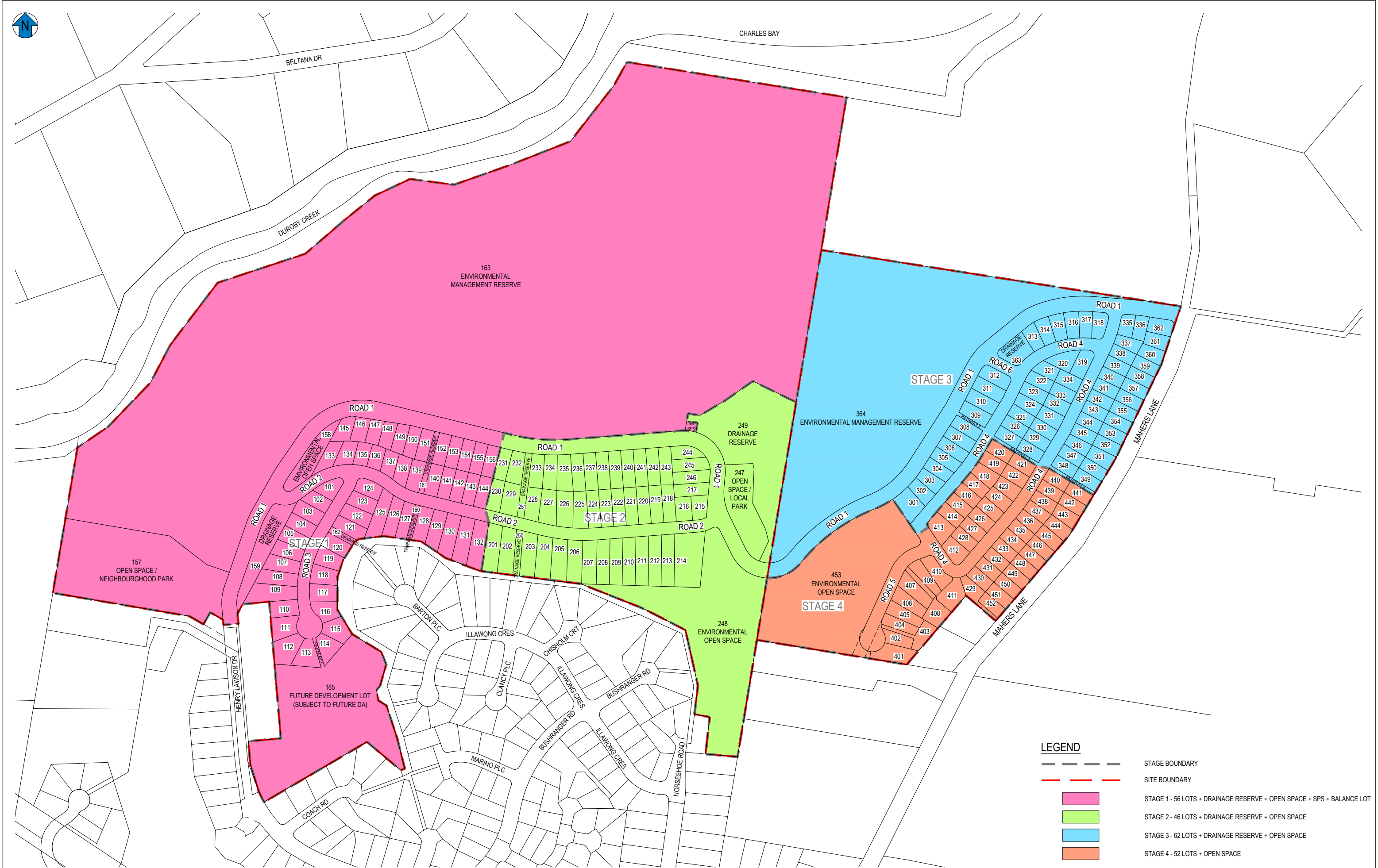


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							zone				STATUS		PROJECT No.		
							zone				ISSUE FOR APPROVAL		2023076		
							zone						DRAWING No.		
							zone						SK040		
													REVISION		
													A		



REV. REVISION DESCRIPTION			DESIGN		DRAWN	DATE	SCALE		ASSOCIATED CONSULTANTS		CLIENT		PROJECT		DRAWING TITLE	
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							COUNCIL		 				STATUS		PROJECT No. 2023076 DRAWING No. SK041 REVISION A	
Document Set ID: 8250252							TWEED SHIRE COUNCIL						ISSUE FOR APPROVAL			

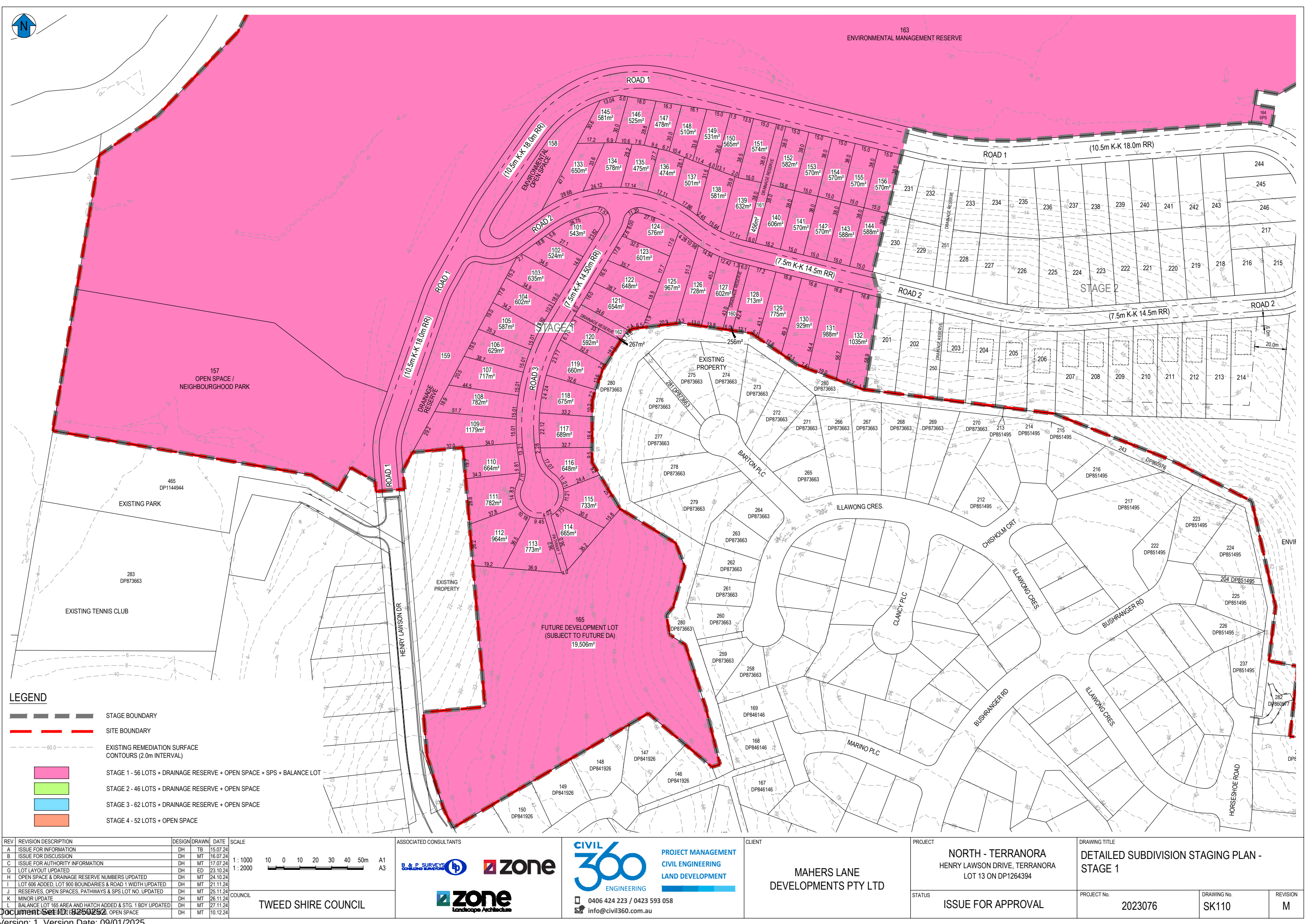




LEGEND

- STAGE BOUNDARY
- SITE BOUNDARY
- STAGE 1 - 56 LOTS + DRAINAGE RESERVE + OPEN SPACE + SPS + BALANCE LOT
- STAGE 2 - 46 LOTS + DRAINAGE RESERVE + OPEN SPACE
- STAGE 3 - 62 LOTS + DRAINAGE RESERVE + OPEN SPACE
- STAGE 4 - 52 LOTS + OPEN SPACE

REV	REVISION DESCRIPTION	DESIGN	DRAWN	DATE	SCALE	ASSOCIATED CONSULTANTS	CIVIL 360 ENGINEERING	PROJECT MANAGEMENT CIVIL ENGINEERING LAND DEVELOPMENT	CLIENT	PROJECT	DRAWING TITLE	STATUS	PROJECT No.	DRAWING No.	REVISION
A	ISSUE FOR INFORMATION	DH	TB	15.07.24	1:2000	B & P SURVEYS	zone		MAHERS LANE DEVELOPMENTS PTY LTD	NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394	OVERALL STAGING PLAN	ISSUE FOR APPROVAL	2023076	SK100	M
B	ISSUE FOR DISCUSSION	DH	MT	16.07.24	1:4000	COASTLINE SURVEYS	zone								
C	ISSUE FOR AUTHORITY INFORMATION	DH	MT	17.07.24											
G	LOT LAYOUT UPDATED	DH	ED	24.10.24											
H	OPEN SPACE & DRAINAGE RESERVE NUMBERS UPDATED	DH	MT	24.10.24											
I	LOT 806 & SPS ADDED AND MAHER LANE BOUNDARIES UPDATED	DH	MT	21.11.24											
J	RESERVES, OPEN SPACES, PATHWAYS & SPS LOT NO. UPDATED	DH	MT	25.11.24											
K	LOT 408 /411 BDY. UPDATED & ROAD 5 FUT. ROAD RESERVE ADDED	DH	MT	26.11.24											
L	BALANCE LOT 165 HATCH ADDED & STAGE 1 BOUNDARY UPDATED	DH	MT	27.11.24											
M	BALANCE LOT 165 HATCH ADDED & STAGE 1 BOUNDARY UPDATED	DH	MT	10.12.24											



LEGEND

- STAGE BOUNDARY
- SITE BOUNDARY
- EXISTING REMEDIATION SURFACE CONTOURS (2.0m INTERVAL)
- STAGE 1 - 56 LOTS + DRAINAGE RESERVE + OPEN SPACE + SPS + BALANCE LOT
- STAGE 2 - 46 LOTS + DRAINAGE RESERVE + OPEN SPACE
- STAGE 3 - 62 LOTS + DRAINAGE RESERVE + OPEN SPACE
- STAGE 4 - 52 LOTS + OPEN SPACE

REV	REVISION DESCRIPTION	DESIGN	DRAWN	DATE
A	ISSUE FOR INFORMATION	DH	TB	15.07.24
B	ISSUE FOR DISCUSSION	DH	MT	16.07.24
C	ISSUE FOR AUTHORITY INFORMATION	DH	MT	17.07.24
G	LOT LAYOUT UPDATED	DH	ED	23.10.24
H	OPEN SPACE & DRAINAGE RESERVE NUMBERS UPDATED	DH	MT	24.10.24
I	LOT 806 ADDED, LOT 900 BOUNDARIES & ROAD 1 WIDTH UPDATED	DH	MT	21.11.24
J	RESERVES, OPEN SPACES, PATHWAYS & SPS LOT NO. UPDATED	DH	MT	25.11.24
K	MINOR UPDATE	DH	MT	26.11.24
L	BALANCE LOT 165 AREA AND HATCH ADDED & STG. 1 BDY UPDATED	DH	MT	27.11.24
M	REVIEWED FOR OPEN SPACE	DH	MT	10.12.24

Document Set ID: 0250252
Version: 1, Version Date: 09/01/2025

DESIGN	DRAWN	DATE
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DH	MT	16.07.24
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DH	MT	26.11.24
DH	MT	27.11.24
DH	MT	10.12.24

SCALE	A1	A3
1:1000		
1:2000		

COUNCIL

TWEED SHIRE COUNCIL

ASSOCIATED CONSULTANTS



CIVIL 360 ENGINEERING
PROJECT MANAGEMENT
CIVIL ENGINEERING
LAND DEVELOPMENT
0406 424 223 / 0423 593 058
info@civil360.com.au

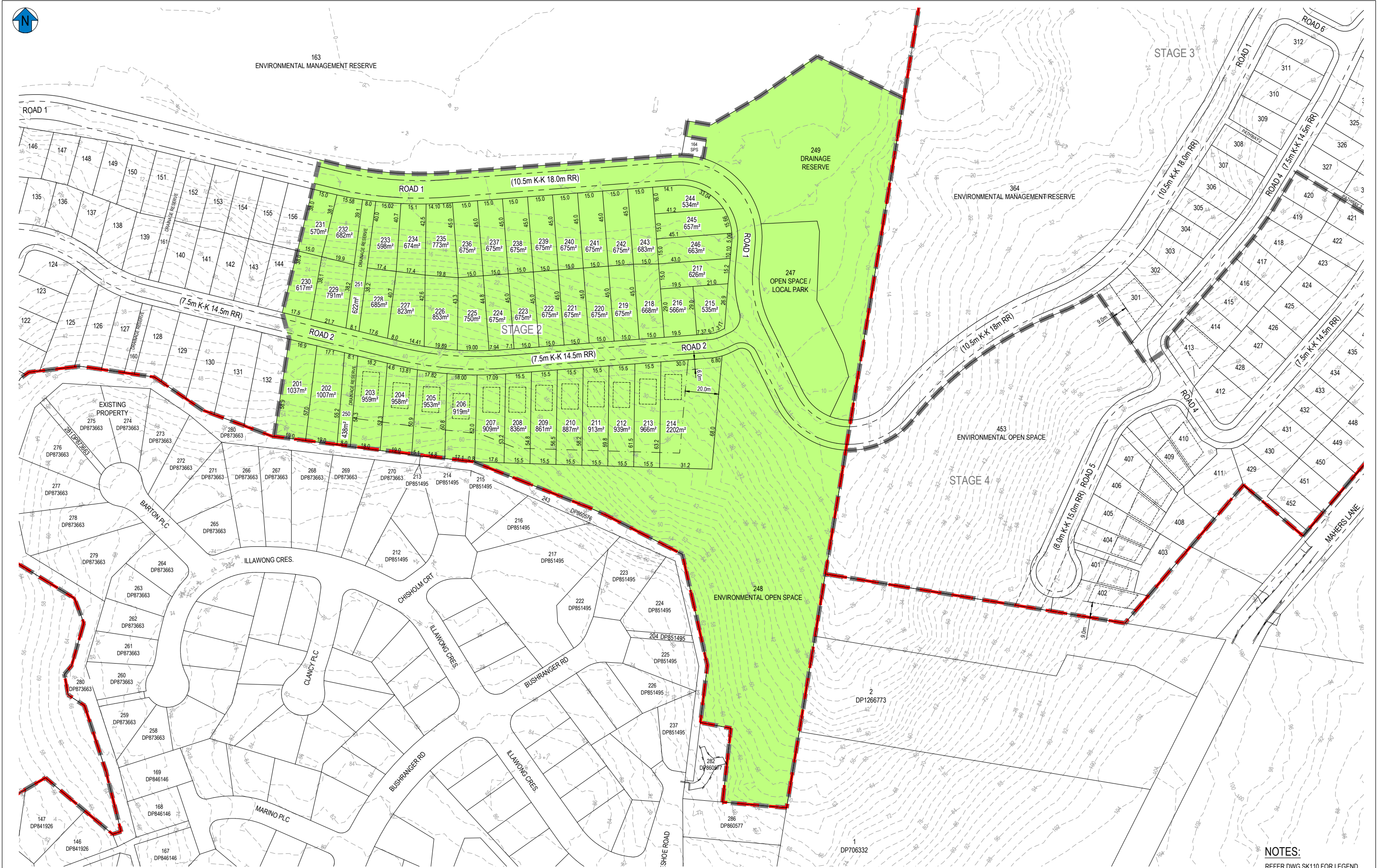
CLIENT
MAHERS LANE DEVELOPMENTS PTY LTD

PROJECT
NORTH - TERRANORA
HENRY LAWSON DRIVE, TERRANORA
LOT 13 ON DP1264394

STATUS
ISSUE FOR APPROVAL

DRAWING TITLE
DETAILED SUBDIVISION STAGING PLAN - STAGE 1

PROJECT No.	2023076	DRAWING No.	SK110	REVISION	M
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NOTES:
REFER DWG SK110 FOR LEGEND

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B	ISSUE FOR DISCUSSION	DH	MT	16.07.24
C	ISSUE FOR AUTHORITY INFORMATION	DH	MT	17.07.24
G	LOT LAYOUT UPDATED	DH	ED	23.10.24
H	OPEN SPACE & DRAINAGE RESERVE NUMBERS UPDATED	DH	MT	24.10.24
I	LOTS 207-214 & SPS BOUNDARIES AND ROAD 1 WIDTH UPDATED	DH	MT	21.11.24
J	RESERVES, OPEN SPACES, PATHWAYS & SPS LOT NO. UPDATED	DH	MT	25.11.24
K	MINOR UPDATE	DH	MT	26.11.24
L	STAGE 1 BOUNDARY UPDATED	DH	MT	27.11.24
M	STAGE 1 BOUNDARY AND ENVIRONMENTAL OPEN SPACE	DH	MT	10.12.24

Document Set ID: 0250252
Version: 1, Version Date: 09/01/2025

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PROJECT MANAGEMENT
CIVIL ENGINEERING
LAND DEVELOPMENT

CLIENT

MAHERS LANE
DEVELOPMENTS PTY LTD

PROJECT

NORTH - TERRANORA
HENRY LAWSON DRIVE, TERRANORA
LOT 13 ON DP1264394

STATUS

ISSUE FOR APPROVAL

DRAWING TITLE

DETAILED SUBDIVISION STAGING PLAN -
STAGE 2

PROJECT No.

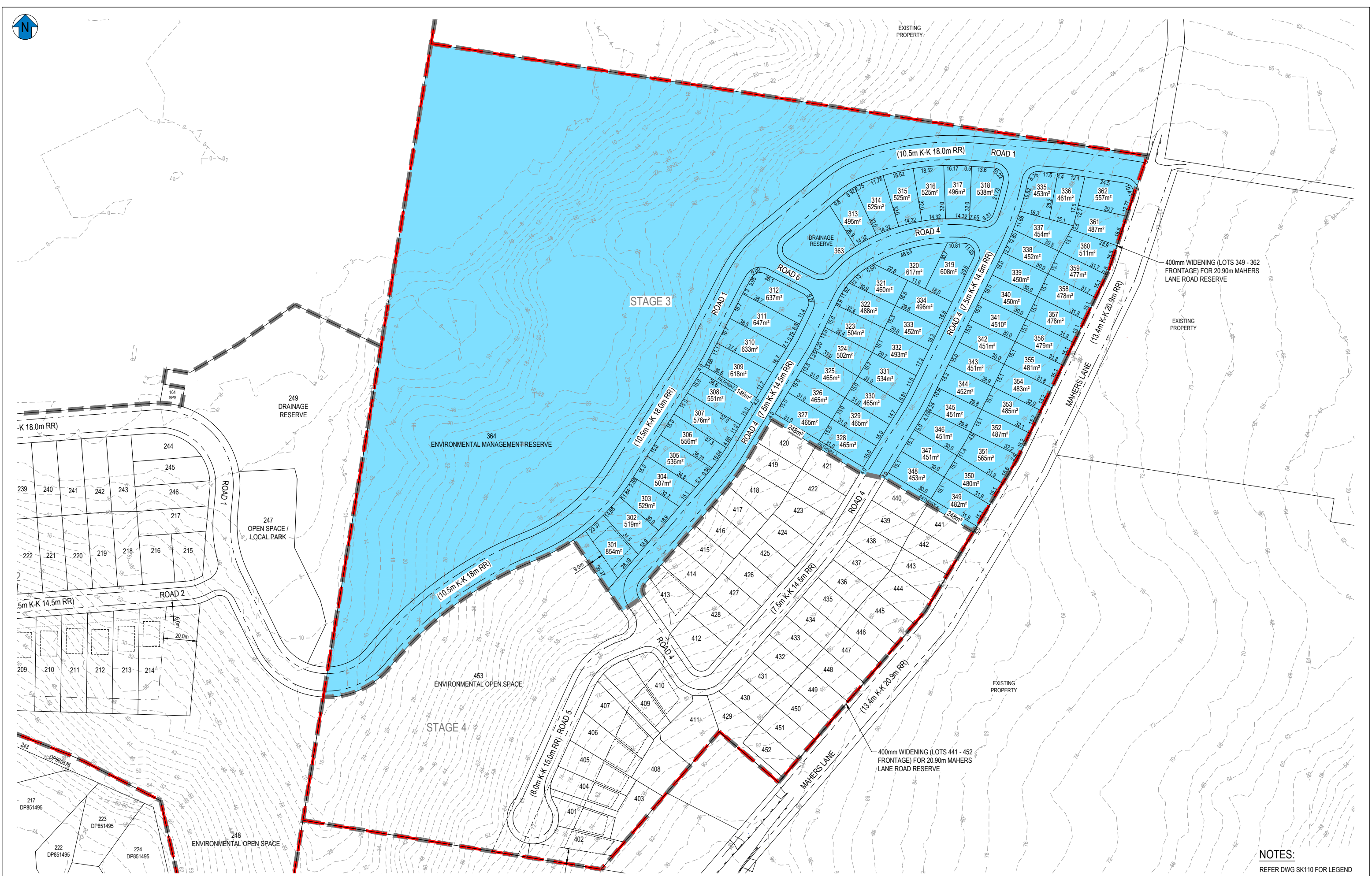
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DRAWING No.

SK111

REVISION

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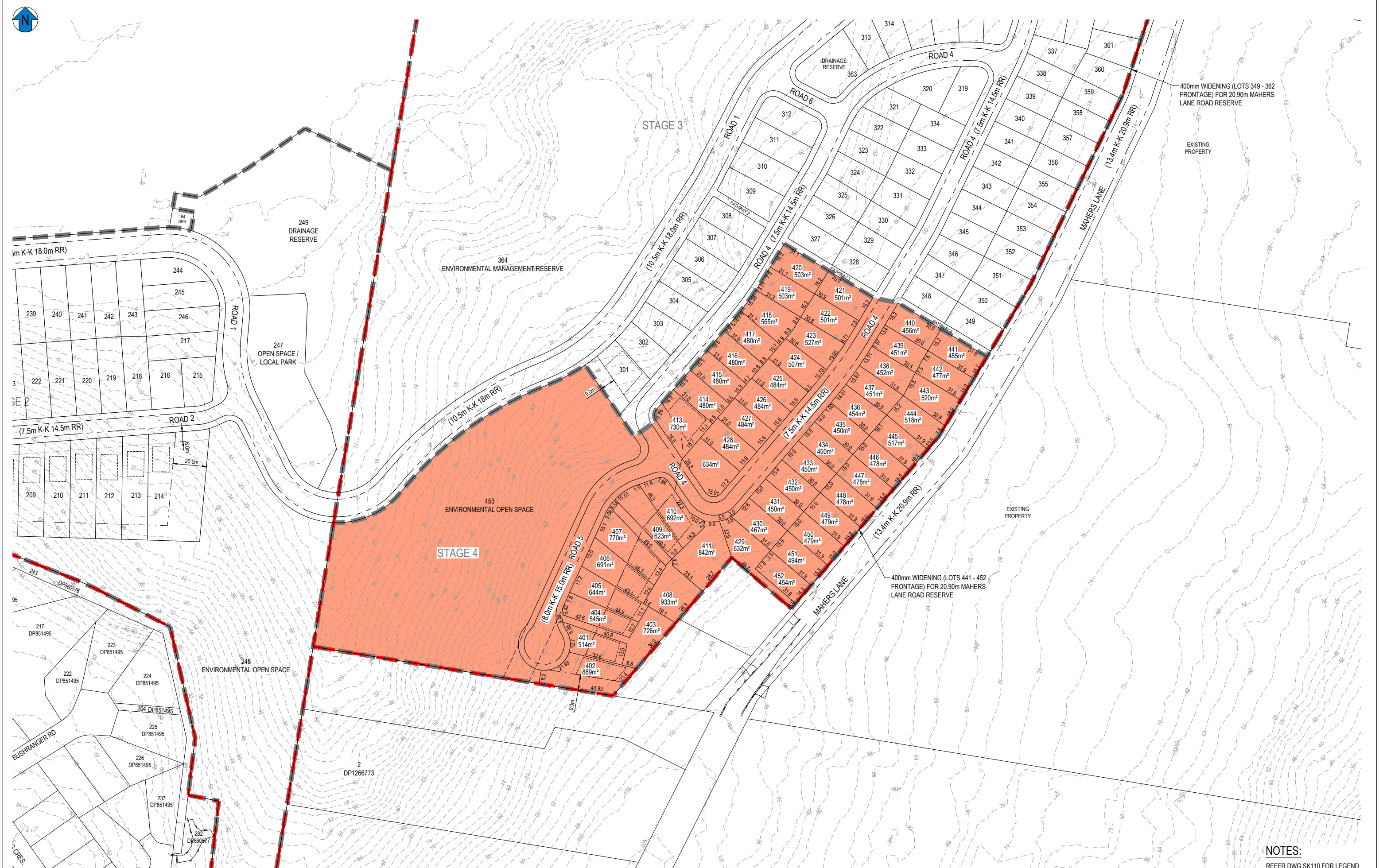


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REFER DWG SK110 FOR LEGEND

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A	ISSUE FOR INFORMATION	DH	TB	15.07.24	1:1000	B & P SURVEYS	PROJECT MANAGEMENT	MAHERS LANE DEVELOPMENTS PTY LTD	NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394	DETAILED SUBDIVISION STAGING PLAN - STAGE 3	ISSUE FOR APPROVAL	2023076	SK112	N
B	ISSUE FOR DISCUSSION	DH	MT	16.07.24	1:2000	zone	CIVIL ENGINEERING							
C	ISSUE FOR AUTHORITY INFORMATION	DH	MT	17.07.24		zone	LAND DEVELOPMENT							
H	LOT LAYOUT UPDATED	DH	ED	23.10.24										
I	OPEN SPACE & DRAINAGE RESERVE NUMBERS UPDATED	DH	MT	24.10.24										
J	MAHER LANE BOUNDARIES AND ROAD 1 WIDTH UPDATED	DH	MT	21.11.24										
K	RESERVES, OPEN SPACES, PATHWAYS & SPS LOT NO. UPDATED	DH	MT	25.11.24										
L	MAHERS LANE ROAD WIDENING NOTES ADDED	DH	MT	26.11.24										
M	MINOR UPDATE	DH	MT	27.11.24										
N	ENVIRONMENTAL OPEN SPACE	DH	MT	10.12.24										

Document Set ID: 3250252
Version: 1, Version Date: 09/01/2025

TWEED SHIRE COUNCIL



NOTES:
REFER DWG SK110 FOR LEGEND

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A	ISSUE FOR INFORMATION	DH	TB	15.07.24
B	ISSUE FOR DISCUSSION	DH	MT	16.07.24
C	ISSUE FOR AUTHORITY INFORMATION	DH	MT	17.07.24
G	LOT LAYOUT UPDATED	DH	ED	23.10.24
H	OPEN SPACE & DRAINAGE RESERVE NUMBERS UPDATED	DH	MT	24.10.24
I	MAHER LANE AND LOTS 429-430 & 451-452 BOUNDARIES UPDATED	DH	MT	21.11.24
J	RESERVES, OPEN SPACES, PATHWAYS & SPS LOT NO. UPDATED	DH	MT	26.11.24
K	LOT 408 /411 BDY. UPDATED & ROAD 5 FUT. ROAD RESERVE ADDED	DH	MT	27.11.24
L	MINOR UPDATE	DH	MT	10.12.24

SCALE	COUNCIL
1:1000 1:2000	TWEED SHIRE COUNCIL

ASSOCIATED CONSULTANTS

B & P SURVEYS
COLLEGE SURVEYS

zone

zone
Landscape Architecture

CIVIL 360
ENGINEERING

PROJECT MANAGEMENT
CIVIL ENGINEERING
LAND DEVELOPMENT

0406 424 223 / 0423 593 058
info@civil360.com.au

CLIENT

MAHERS LANE
DEVELOPMENTS PTY LTD

PROJECT

NORTH - TERRANORA
HENRY LAWSON DRIVE, TERRANORA
LOT 13 ON DP1264394

STATUS

ISSUE FOR APPROVAL

DRAWING TITLE

DETAILED SUBDIVISION STAGING PLAN -
STAGE 4

PROJECT No.

2023076

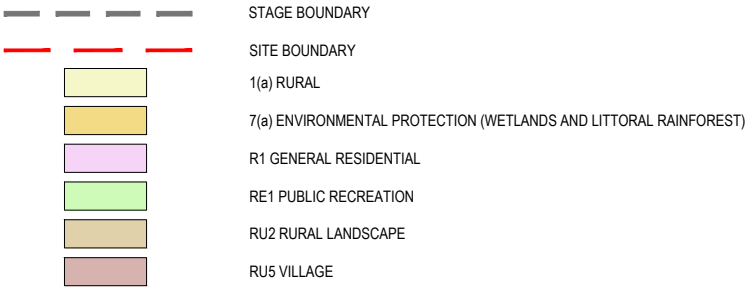
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SK113

REVISION

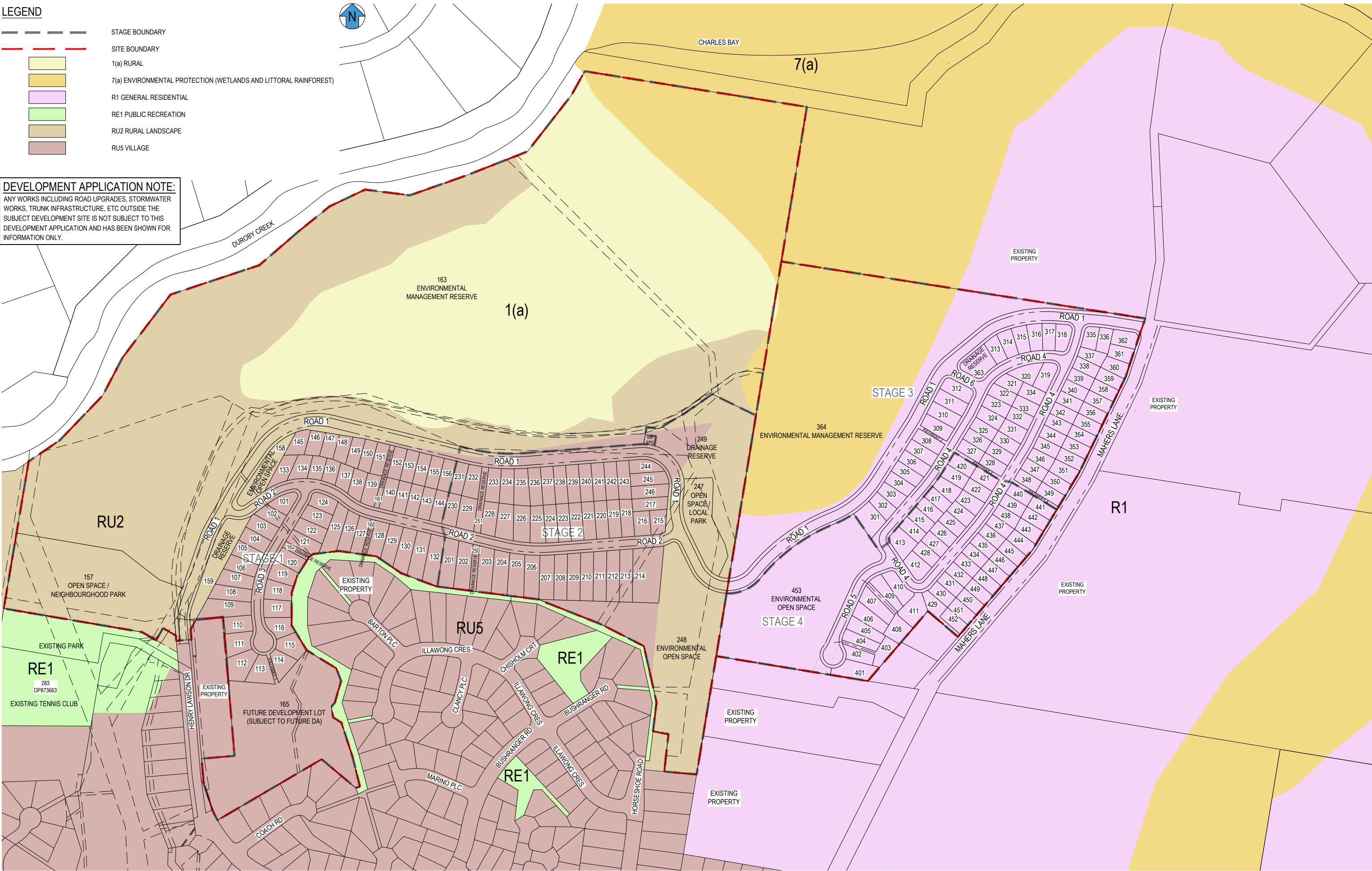
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LEGEND

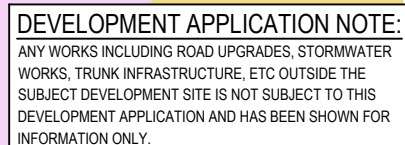


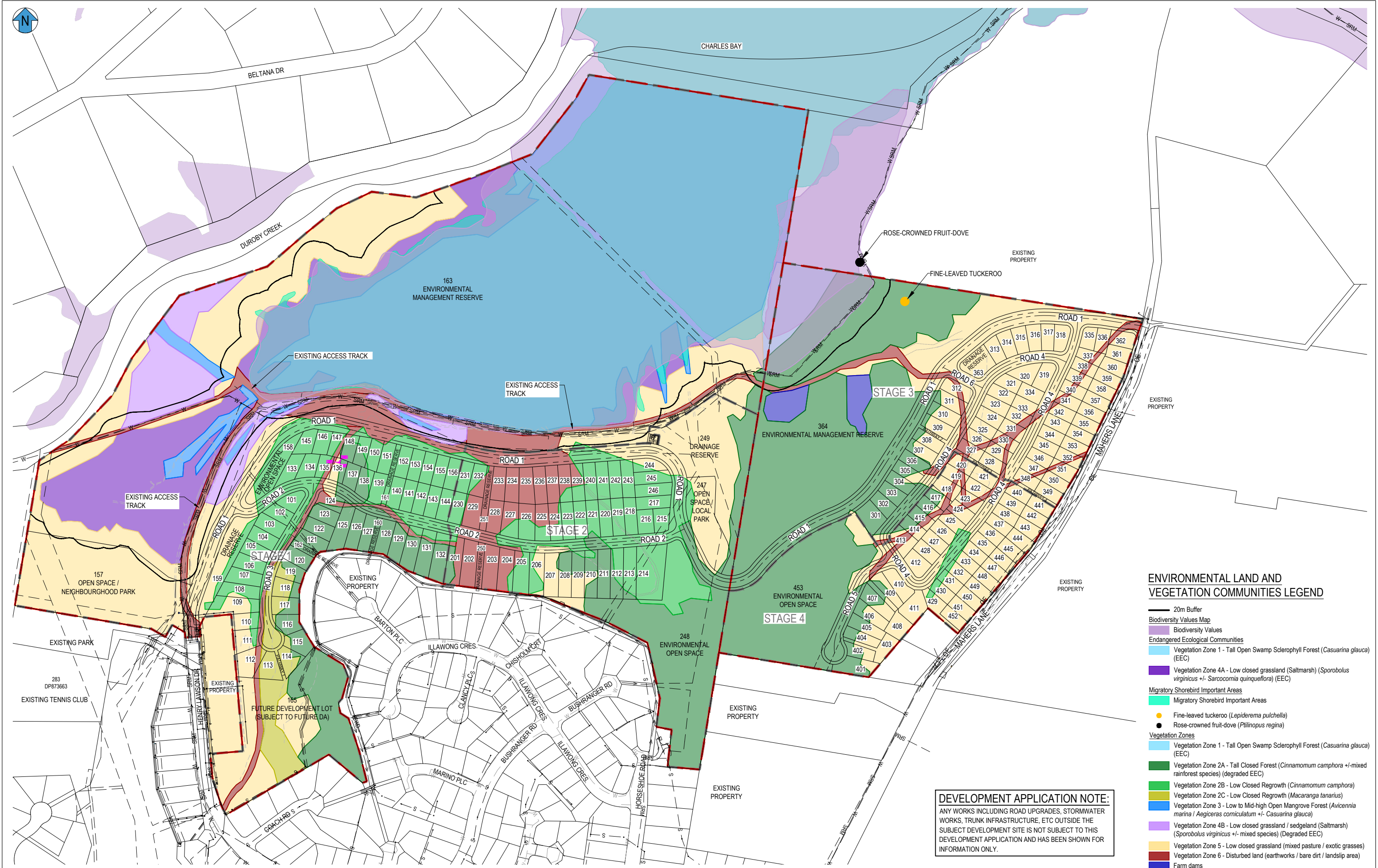
DEVELOPMENT APPLICATION NOTE:

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REVISION DESCRIPTION		DESIGN	DRAWN	DATE	SCALE	ASSOCIATED CONSULTANTS		CIVIL 360 ENGINEERING 0406 424 223 / 0423 593 058 info@civil360.com.au	CLIENT	MAHERS LANE DEVELOPMENTS PTY LTD	PROJECT	DRAWING TITLE	
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ISSUE FOR DISCUSSION		DH	MT	16.07.24			HENRY LAWSON DRIVE, TERRANORA						
ISSUE FOR AUTHORITY INFORMATION		DH	MT	17.07.24			LOT 13 ON DP1264394						
RE1 AND RU5 AREA TEXT LOCATION UPDATED		DH	MT	25.07.24									
LOT LAYOUT & STAGING UPDATED		DH	ED	23.08.24									
LOT LAYOUT UPDATED		DH	MT	17.09.24									
ROAD 1 & LOT LAYOUT UPDATED		DH	MT	03.10.24									
ISSUE FOR APPROVAL		DH	ED	11.12.24									
COUNCIL					TWEED SHIRE COUNCIL		STATUS				PROJECT No.	DRAWING No.	REVISION
Document Set ID: 8250252							ISSUE FOR APPROVAL		2023076	SK120	H		





ENVIRONMENTAL LAND AND
VEGETATION COMMUNITIES LEGEND

- 20m Buffer
- Biodiversity Values Map
- Biodiversity Values
- Endangered Ecological Communities
- Vegetation Zone 1 - Tall Open Swamp Sclerophyll Forest (*Casuarina glauca*) (EEC)
- Vegetation Zone 4A - Low closed grassland (Saltmarsh) (*Sporobolus virginicus* +/- *Sarcocornia quinqueflora*) (EEC)
- Migratory Shorebird Important Areas
- Migratory Shorebird Important Areas
- Fine-leaved tuckeroo (*Lepiderema pulchella*)
- Rose-crowned fruit-dove (*Ptilinopus regina*)
- Vegetation Zones
- Vegetation Zone 1 - Tall Open Swamp Sclerophyll Forest (*Casuarina glauca*) (EEC)
- Vegetation Zone 2A - Tall Closed Forest (*Cinnamomum camphora* +/- mixed rainforest species) (degraded EEC)
- Vegetation Zone 2B - Low Closed Regrowth (*Cinnamomum camphora*)
- Vegetation Zone 2C - Low Closed Regrowth (*Macaranga tanarius*)
- Vegetation Zone 3 - Low to Mid-high Open Mangrove Forest (*Avicennia marina* / *Aegiceras corniculatum* +/- *Casuarina glauca*)
- Vegetation Zone 4B - Low closed grassland / sedgeland (Saltmarsh) (*Sporobolus virginicus* +/- mixed species) (Degraded EEC)
- Vegetation Zone 5 - Low closed grassland (mixed pasture / exotic grasses)
- Vegetation Zone 6 - Disturbed land (earthworks / bare dirt / landslip area)
- Farm dams

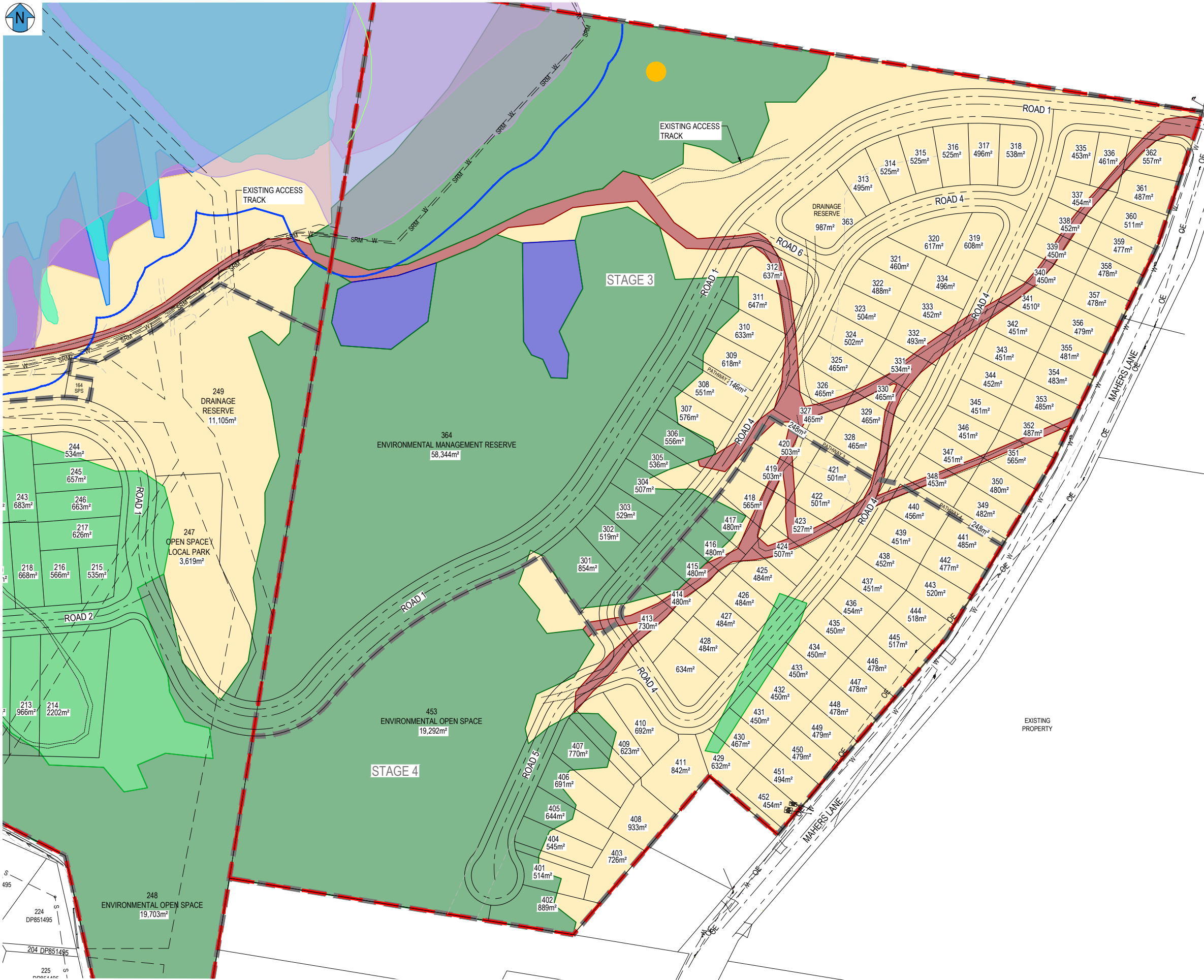
DEVELOPMENT APPLICATION NOTE:
ANY WORKS INCLUDING ROAD UPGRADES, STORMWATER WORKS, TRUNK INFRASTRUCTURE, ETC OUTSIDE THE SUBJECT DEVELOPMENT SITE IS NOT SUBJECT TO THIS DEVELOPMENT APPLICATION AND HAS BEEN SHOWN FOR INFORMATION ONLY.

REV		REVISION DESCRIPTION	DESIGN	DRAWN	DATE	SCALE	ASSOCIATED CONSULTANTS		CLIENT		PROJECT		DRAWING TITLE		
A	ISSUE FOR INFORMATION		DH	MT	17.09.24	1:2000	B & P SURVEYS CONSULTING SURVEYORS		MAHERS LANE DEVELOPMENTS PTY LTD		NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394		ENVIRONMENTAL LAND AND VEGETATION COMMUNITIES OVERALL PLAN		
B	LOT LAYOUT UPDATED		DH	ED	11.12.24	1:4000	zone landscape Architecture		CIVIL 360 ENGINEERING		ISSUE FOR APPROVAL		PROJECT No. 2023076		
												DRAWING No. SK150		REVISION B	



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FOR CONTINUATION REFER SK151



ENVIRONMENTAL LAND AND VEGETATION COMMUNITIES LEGEND

- 20m BUFFER TO ENVIRONMENTAL VALUES
- Biodiversity Values Map
 - Biodiversity Values
- Endangered Ecological Communities
 - Vegetation Zone 1 - Tall Open Swamp Sclerophyll Forest (*Casuarina glauca*) (EEC)
 - Vegetation Zone 4A - Low closed grassland (Saltmarsh) (*Sporobolus virginicus* +/- *Sarcocornia quinqueflora*) (EEC)
- Migratory Shorebird Important Areas
 - Fine-leaved tuckeroo (*Lepiderema pulchella*)
 - Rose-crowned fruit-dove (*Ptilinopus regina*)
- Vegetation Zones
 - Vegetation Zone 1 - Tall Open Swamp Sclerophyll Forest (*Casuarina glauca*) (EEC)
 - Vegetation Zone 2A - Tall Closed Forest (*Cinnamomum camphora* +/- mixed rainforest species) (degraded EEC)
 - Vegetation Zone 2B - Low Closed Regrowth (*Cinnamomum camphora*)
 - Vegetation Zone 2C - Low Closed Regrowth (*Macaranga tanarius*)
 - Vegetation Zone 3 - Low to Mid-high Open Mangrove Forest (*Avicennia marina* / *Aegiceras corniculatum* +/- *Casuarina glauca*)
 - Vegetation Zone 4B - Low closed grassland / sedgeland (Saltmarsh) (*Sporobolus virginicus* +/- mixed species) (Degraded EEC)
 - Vegetation Zone 5 - Low closed grassland (mixed pasture / exotic grasses)
 - Vegetation Zone 6 - Disturbed land (earthworks / bare dirt / landslip area)
 - Farm dams

REV	REVISION DESCRIPTION	DESIGN	DRAWN	DATE	SCALE
A	ISSUE FOR INFORMATION	DH	MT	17.09.24	1:1000
B	LOT LAYOUT UPDATED	DH	ED	11.12.24	1:2000

SCALE
1:1000 10 0 10 20 30 40 50m A1
1:2000 A3

COUNCIL
TWEED SHIRE COUNCIL

ASSOCIATED CONSULTANTS

B & P SURVEYS
CONSULTANTS

zone

zone
Landscape Architecture

CIVIL 360
ENGINEERING

PROJECT MANAGEMENT
CIVIL ENGINEERING
LAND DEVELOPMENT

0406 424 223 / 0423 593 058
info@civil360.com.au

CLIENT

MAHERS LANE
DEVELOPMENTS PTY LTD

PROJECT

NORTH - TERRANORA
HENRY LAWSON DRIVE, TERRANORA
LOT 13 ON DP1264394

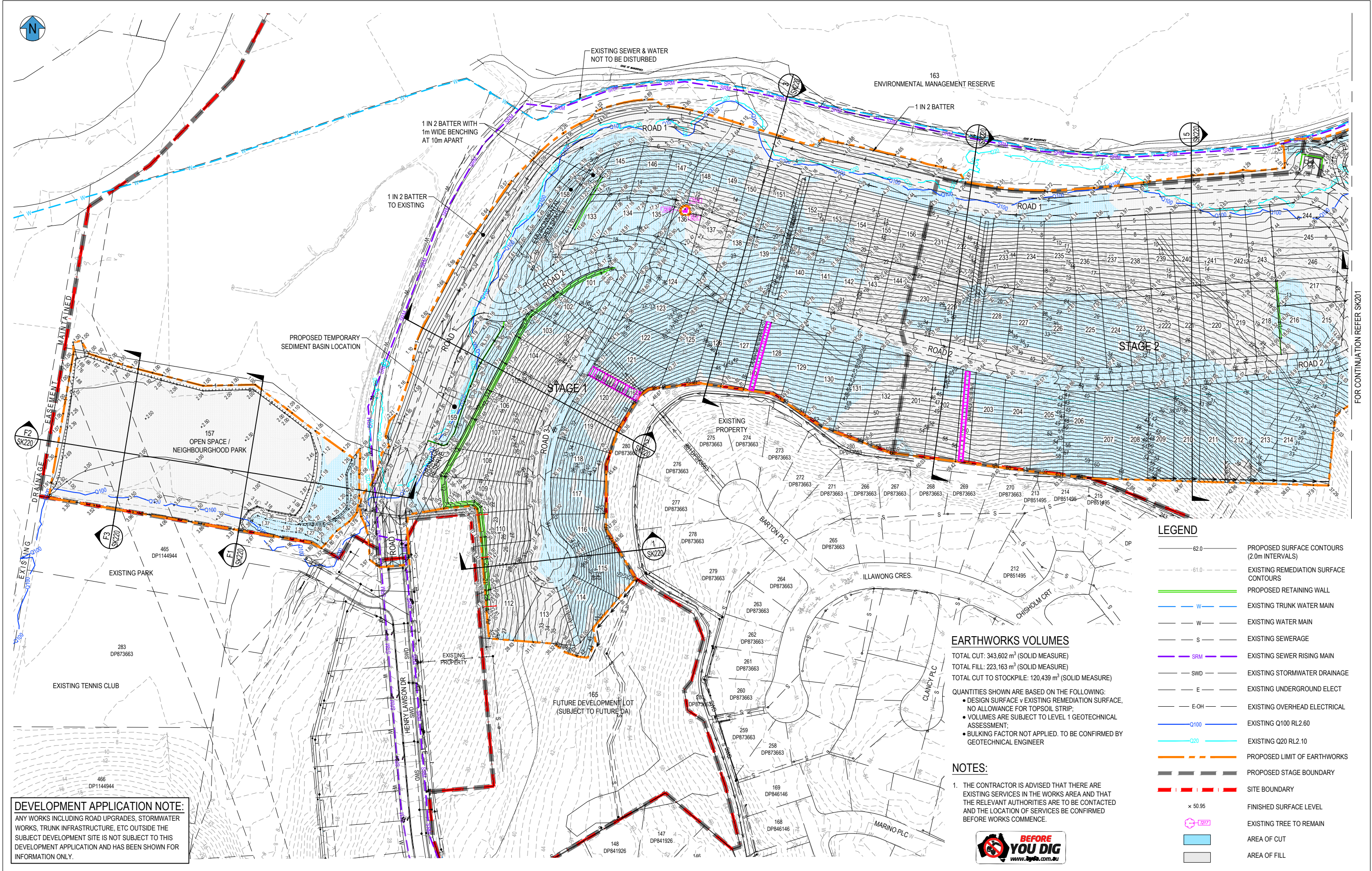
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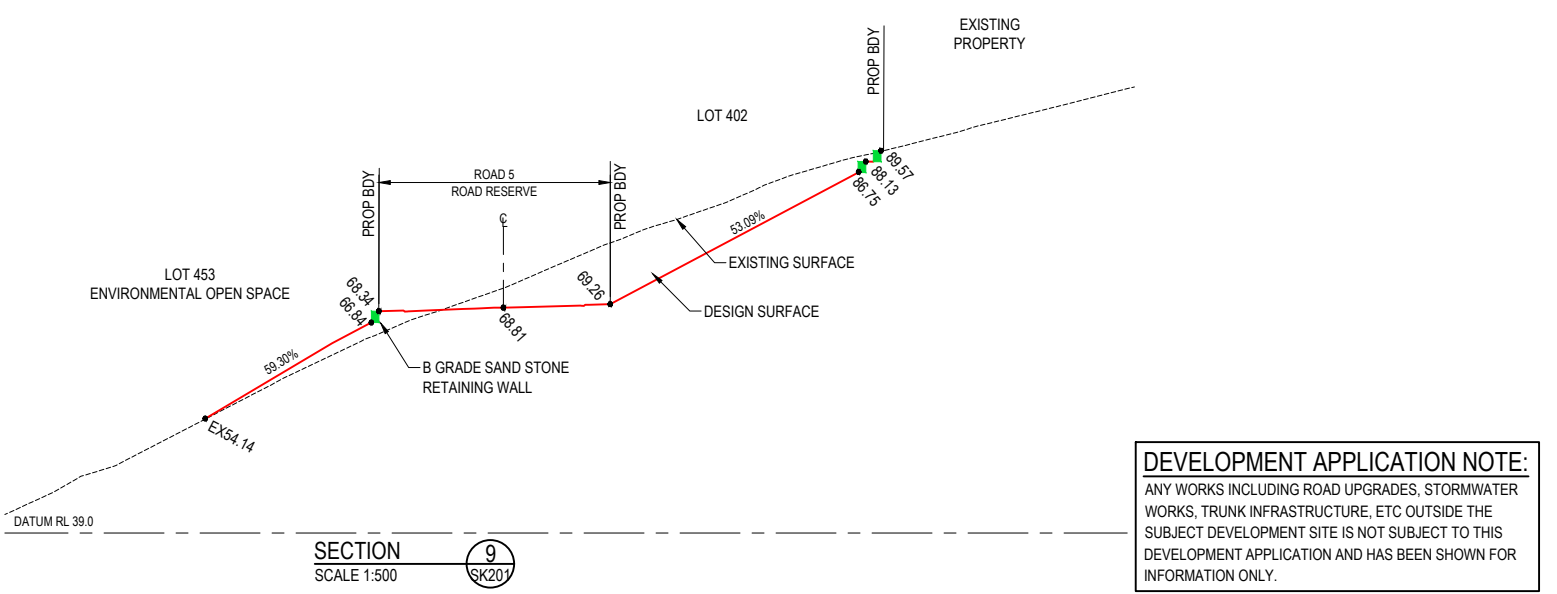
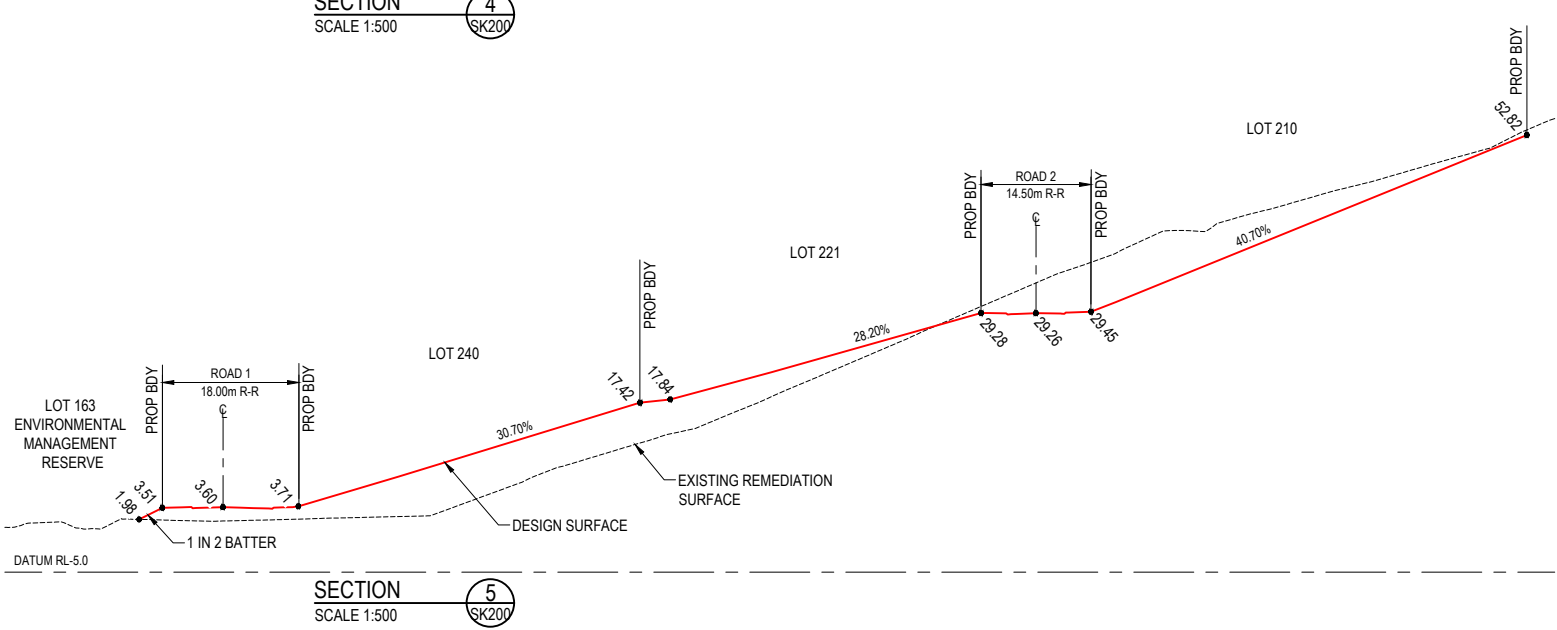
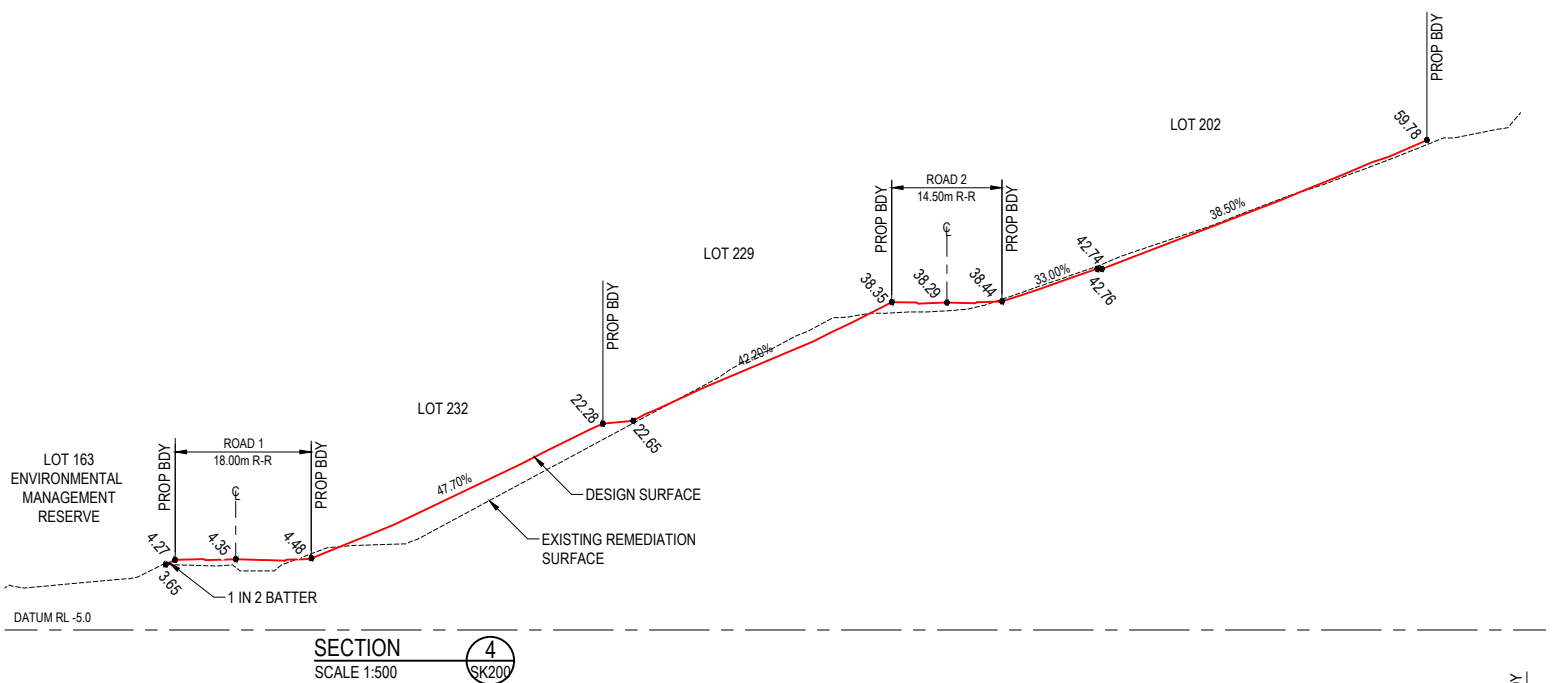
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ENVIRONMENTAL LAND AND VEGETATION
COMMUNITIES - SHEET 2 OF 2

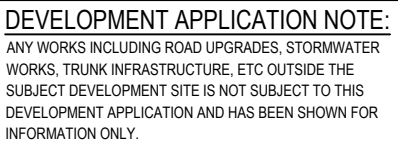
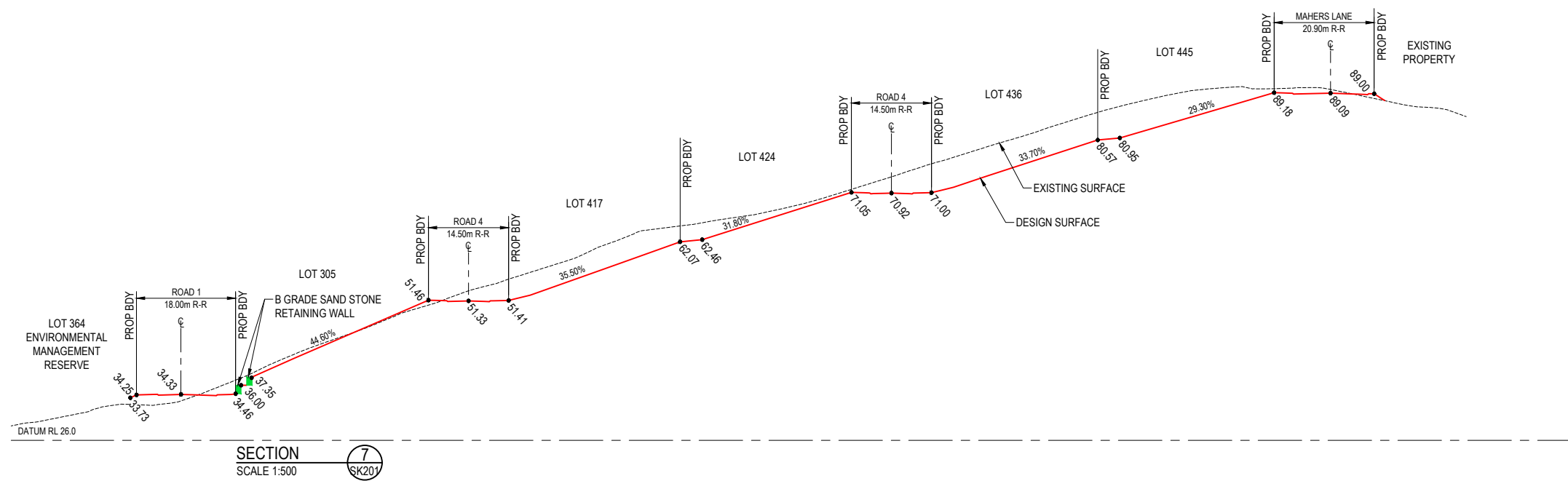
PROJECT No.	DRAWING No.	REVISION
2023076	SK152	B



REV		REVISION DESCRIPTION		DESIGN		DRAWN		DATE		SCALE		1 : 1000 1 : 2000 100 0 10 20 30 40 50m A1 A3		ASSOCIATED CONSULTANTS B & P SURVEYS CONSULTING SURVEYORS zone zone Landscape Architecture CIVIL 360 ENGINEERING PROJECT MANAGEMENT CIVIL ENGINEERING LAND DEVELOPMENT 0406 424 223 / 0423 593 058 info@civil360.com.au CLIENT MAHERS LANE DEVELOPMENTS PTY LTD PROJECT NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394 DRAWING TITLE PROPOSED BULK EARTHWORKS PLAN SHEET 1 OF 2 STATUS ISSUE FOR APPROVAL PROJECT No. 2023076 DRAWING No. SK200 REVISION B				COUNCIL		TWEED SHIRE COUNCIL	
Document Set ID: 8250252																					



DRAWING TITLE		
BULK EARTHWORKS SECTIONS SHEET 1 OF 3		
PROJECT No.	DRAWING No.	REVISION
2023076	SK220	B



SCALE

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1 : 1000

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A1
A3

COUNCIL

TWEED SHIRE COUNCIL

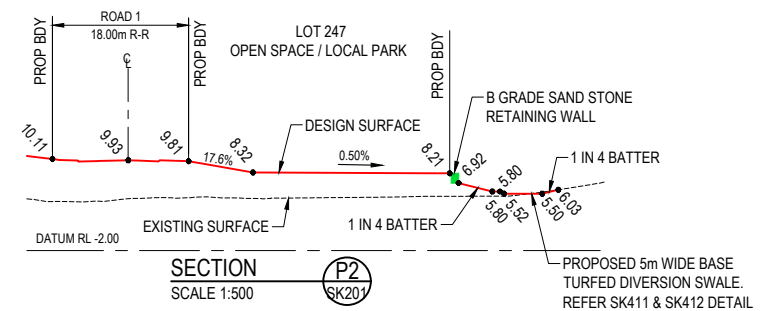
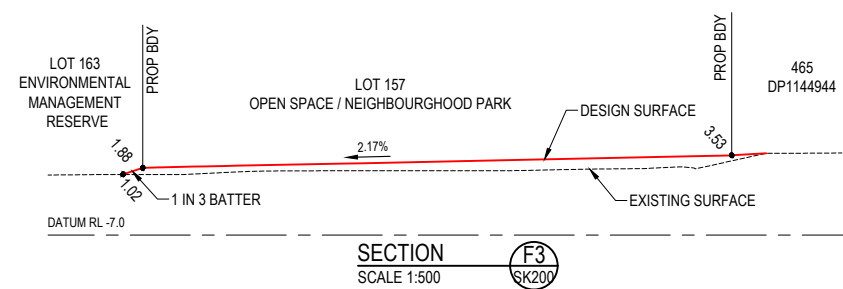
CIVIL 360
ENGINEERING

PROJECT MANAGEMENT
CIVIL ENGINEERING
LAND DEVELOPMENT

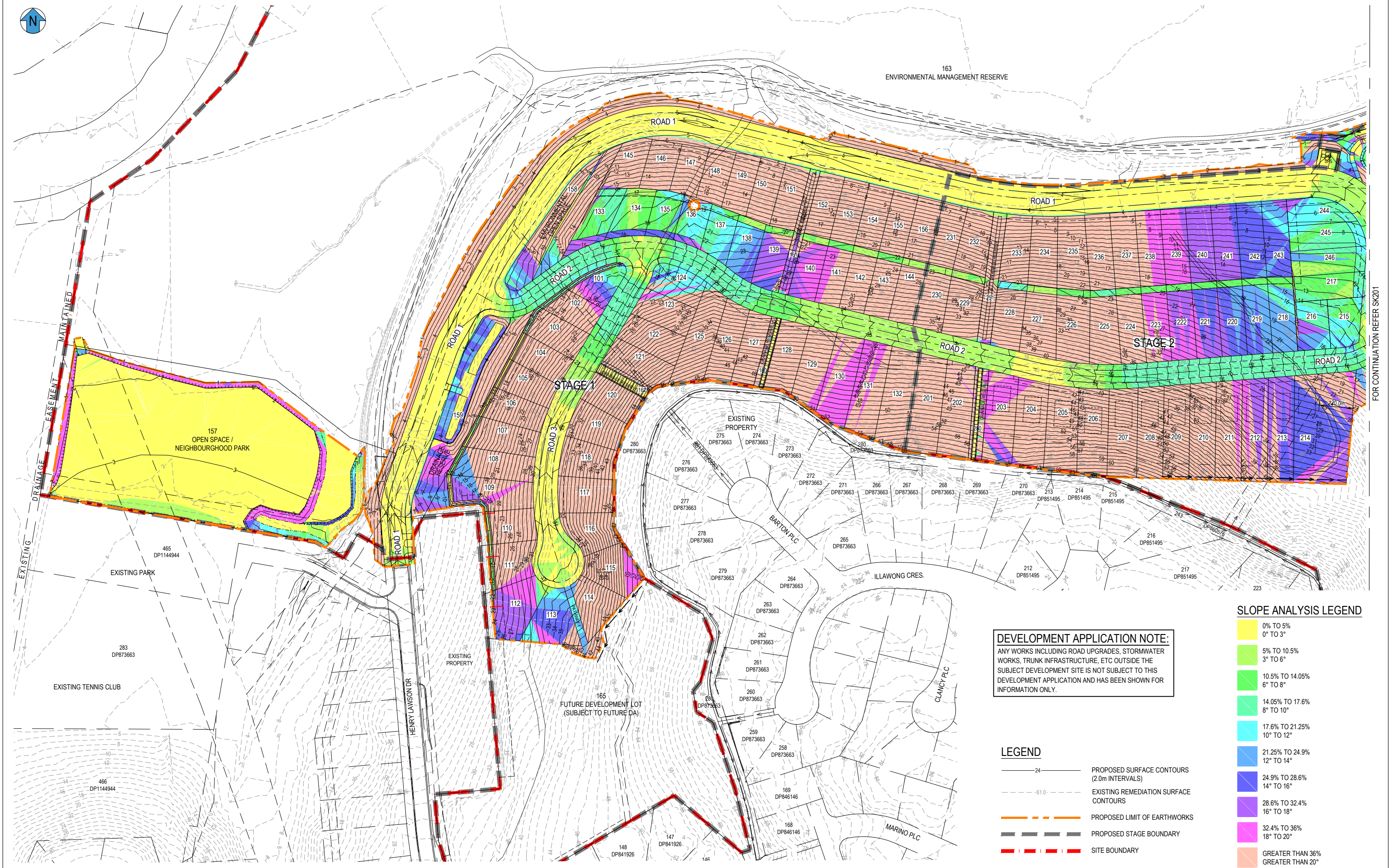
0406 424 223 / 0423 593 058
info@civil360.com.au

PROJECT	NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394
STATUS	ISSUE FOR APPROVAL

DRAWING TITLE		
BULK EARTHWORKS SECTIONS SHEET 2 OF 3		
PROJECT No.	DRAWING No.	REVISION
2023076	SK221	B



REV		REVISION DESCRIPTION		DESIGN	DRAWN	DATE	SCALE		ASSOCIATED CONSULTANTS		CLIENT		PROJECT		DRAWING TITLE					
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B	DEVELOPMENT APPLICATION NOTE ADDED			DH	MT	11.12.24	1: 1000													
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COUNCIL							TWEED SHIRE COUNCIL													
Document Set ID: 8250252																				



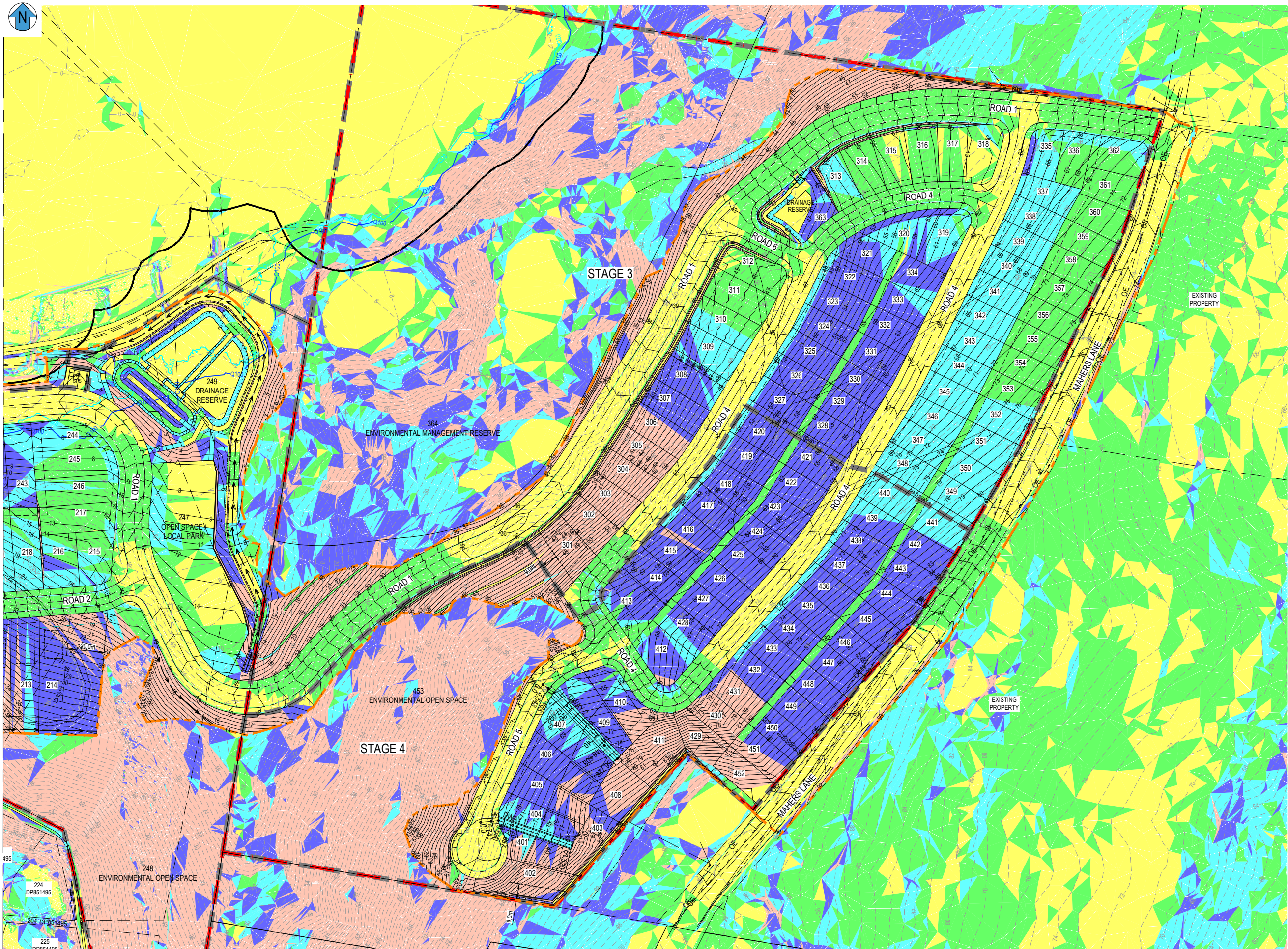
FOR CONTINUATION REFER SK201

DEVELOPMENT APPLICATION NOTE:
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- LEGEND**
- 24 — PROPOSED SURFACE CONTOURS (2.0m INTERVALS)
 - - - -61.0- - - EXISTING REMEDIATION SURFACE CONTOURS
 - - - - PROPOSED LIMIT OF EARTHWORKS
 - - - - PROPOSED STAGE BOUNDARY
 - - - - SITE BOUNDARY

SLOPE ANALYSIS LEGEND	
	0% TO 5%
	5% TO 10.5%
	10.5% TO 14.05%
	14.05% TO 17.6%
	17.6% TO 21.25%
	21.25% TO 24.9%
	24.9% TO 28.6%
	28.6% TO 32.4%
	32.4% TO 36%
	GREATER THAN 36%
	GREATER THAN 20°

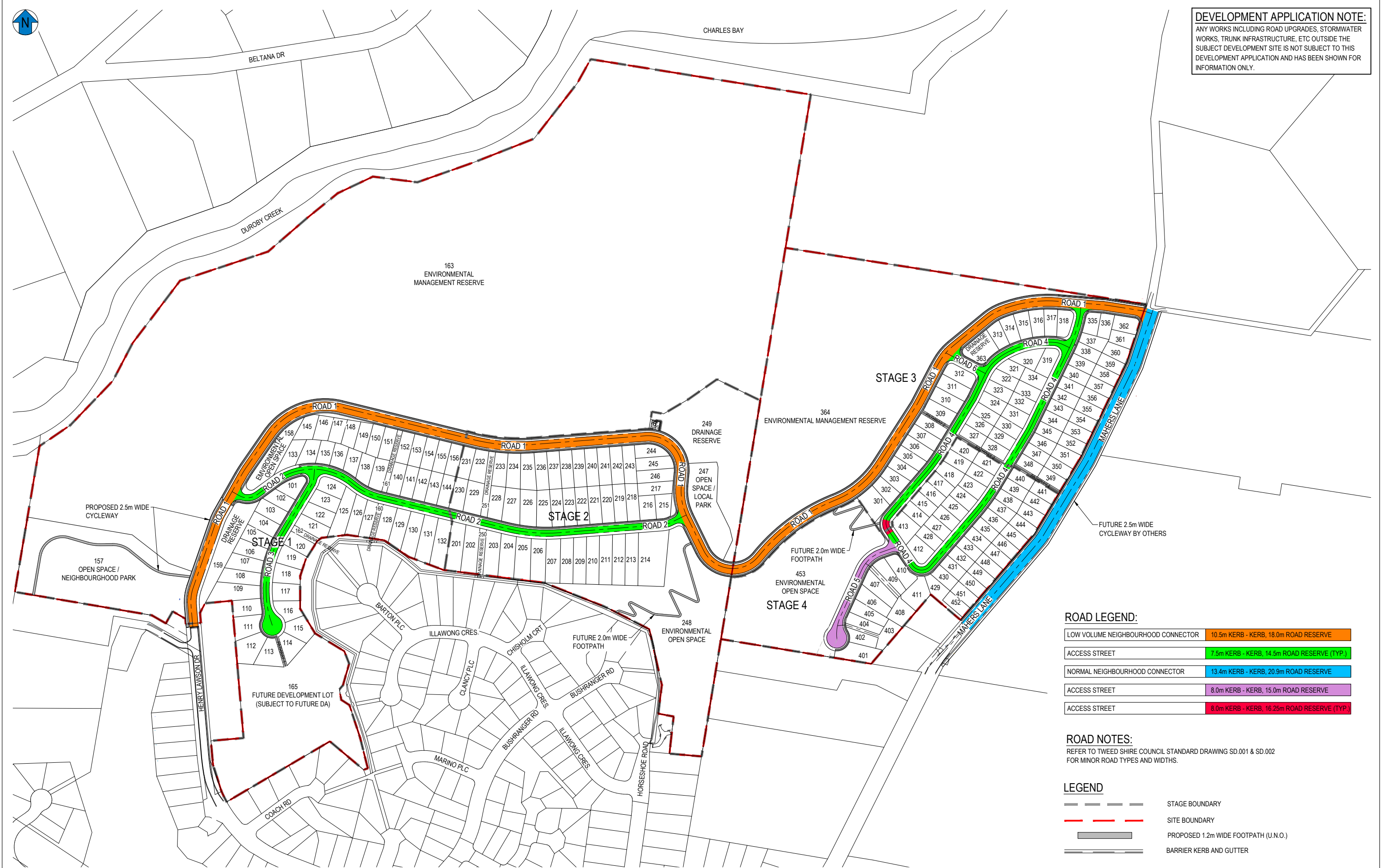
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B		EXISTING SERVICES REMOVED AND DA NOTE ADDED	DH	MT	11.12.24	1:2000	zone				HENRY LAWSON DRIVE, TERRANORA		SHEET 1 OF 2	
							zone				LOT 13 ON DP1264394		PROJECT No.	
							TWEED SHIRE COUNCIL				ISSUE FOR APPROVAL		2023076	
											STATUS		DRAWING No.	
													SK210	
													REVISION	
													B	



NOTE:
REFER SKETCH SK212 FOR NOTES AND LEGEND.

REV				REVISION DESCRIPTION		DESIGN	DRAWN	DATE	SCALE	ASSOCIATED CONSULTANTS			CLIENT	PROJECT	DRAWING TITLE						
A	ISSUE FOR APPROVAL					DH	MT	05.12.24	1: 1000		0406 424 223 / 0423 593 058 info@civil360.com.au		NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394	SLOPE ANALYSIS - BUSHFIRE							
B	EXISTING SERVICES REMOVED					DH	MT	11.12.24	1: 2000					SHEET 2 OF 2							
									COUNCIL								PROJECT No.	DRAWING No.	REVISION		
									TWEED SHIRE COUNCIL								2023076	SK213	B		
																	STATUS	ISSUE FOR APPROVAL			

Document Set ID: 8250252



DEVELOPMENT APPLICATION NOTE:
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ROAD LEGEND:

LOW VOLUME NEIGHBOURHOOD CONNECTOR	10.5m KERB - KERB, 18.0m ROAD RESERVE
ACCESS STREET	7.5m KERB - KERB, 14.5m ROAD RESERVE (TYP.)
NORMAL NEIGHBOURHOOD CONNECTOR	13.4m KERB - KERB, 20.9m ROAD RESERVE
ACCESS STREET	8.0m KERB - KERB, 15.0m ROAD RESERVE
ACCESS STREET	8.0m KERB - KERB, 16.25m ROAD RESERVE (TYP.)

ROAD NOTES:

REFER TO TWEED SHIRE COUNCIL STANDARD DRAWING SD.001 & SD.002 FOR MINOR ROAD TYPES AND WIDTHS.

LEGEND

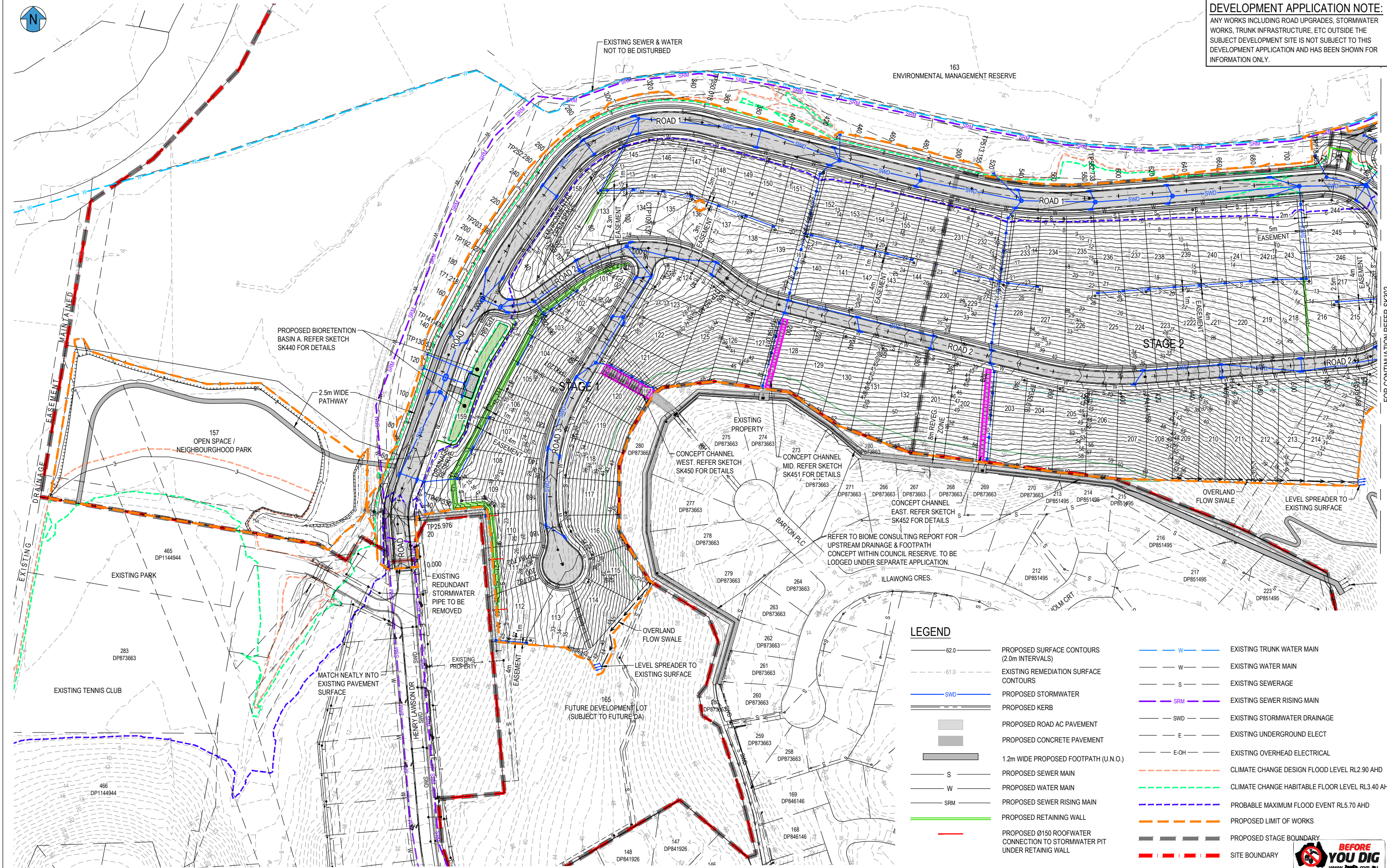
	STAGE BOUNDARY
	SITE BOUNDARY
	PROPOSED 1.2m WIDE FOOTPATH (U.N.O.)
	BARRIER KERB AND GUTTER

REV		REVISION DESCRIPTION	DESIGN	DRAWN	DATE	SCALE		ASSOCIATED CONSULTANTS		CIVIL 360 ENGINEERING		PROJECT MANAGEMENT	CLIENT	PROJECT		DRAWING TITLE				
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																ISSUE FOR APPROVAL		PROJECT No. 2023076	DRAWING No. SK300	REVISION A
Document Set ID: 8250252						COUNCIL		TWEED SHIRE COUNCIL												



DEVELOPMENT APPLICATION NOTE:

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LEGEND

- | | | | |
|---|--|---|------------------------------|
| 62.0 | PROPOSED SURFACE CONTOURS (2.0m INTERVALS) | W | EXISTING TRUNK WATER MAIN |
| -61.0 | EXISTING REMEDIATION SURFACE CONTOURS | W | EXISTING WATER MAIN |
| SWD | PROPOSED STORMWATER | S | EXISTING SEWERAGE |
| PROPOSED KERB | | SRM | EXISTING SEWER RISING MAIN |
| PROPOSED ROAD AC PAVEMENT | | SWD | EXISTING STORMWATER DRAINAGE |
| PROPOSED CONCRETE PAVEMENT | | E | EXISTING UNDERGROUND ELECT |
| 1.2m WIDE PROPOSED FOOTPATH (U.N.O.) | | E-OH | EXISTING OVERHEAD ELECTRICAL |
| S | PROPOSED SEWER MAIN | CLIMATE CHANGE DESIGN FLOOD LEVEL RL2.90 AHD | |
| W | PROPOSED WATER MAIN | CLIMATE CHANGE HABITABLE FLOOR LEVEL RL3.40 AHD | |
| SRM | PROPOSED SEWER RISING MAIN | PROBABLE MAXIMUM FLOOD EVENT RL5.70 AHD | |
| PROPOSED RETAINING WALL | | PROPOSED LIMIT OF WORKS | |
| PROPOSED Ø150 ROOFWATER CONNECTION TO STORMWATER PIT UNDER RETAINING WALL | | PROPOSED STAGE BOUNDARY | |
| | | SITE BOUNDARY | |

REV		REVISION DESCRIPTION	DESIGN/DRAWN	DATE	SCALE	ASSOCIATED CONSULTANTS		CLIENT	PROJECT	DRAWING TITLE		
A		ISSUE FOR APPROVAL	DH	MT	11.12.24	1: 1000 1: 2000	B & P SURVEYS CONSULTING SURVEYORS					
							zone	MAHERS LANE DEVELOPMENTS PTY LTD	NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394	CONCEPT ROADWORKS & DRAINAGE PLAN SHEET 1 OF 2		
							zone landscape Architecture			STATUS	ISSUE FOR APPROVAL	PROJECT No. 2023076
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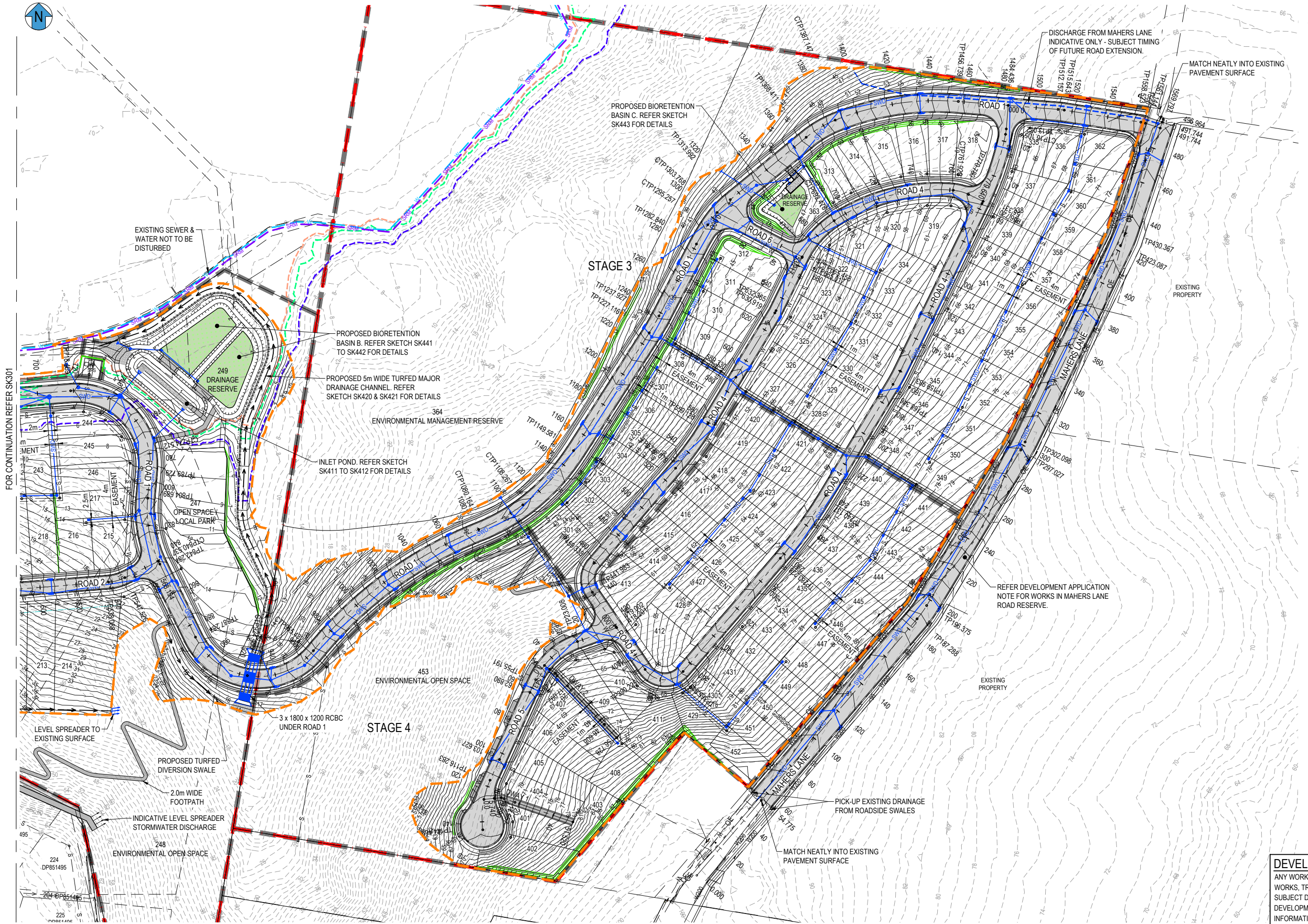
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Version: 1, Version Date: 09/01/2025

TWEED SHIRE COUNCIL

CIVIL 360 ENGINEERING
PROJECT MANAGEMENT
CIVIL ENGINEERING
LAND DEVELOPMENT
0406 424 223 / 0423 593 058
info@civil360.com.au



NOTE:
REFER SKETCH SK301 FOR NOTES AND LEGEND.

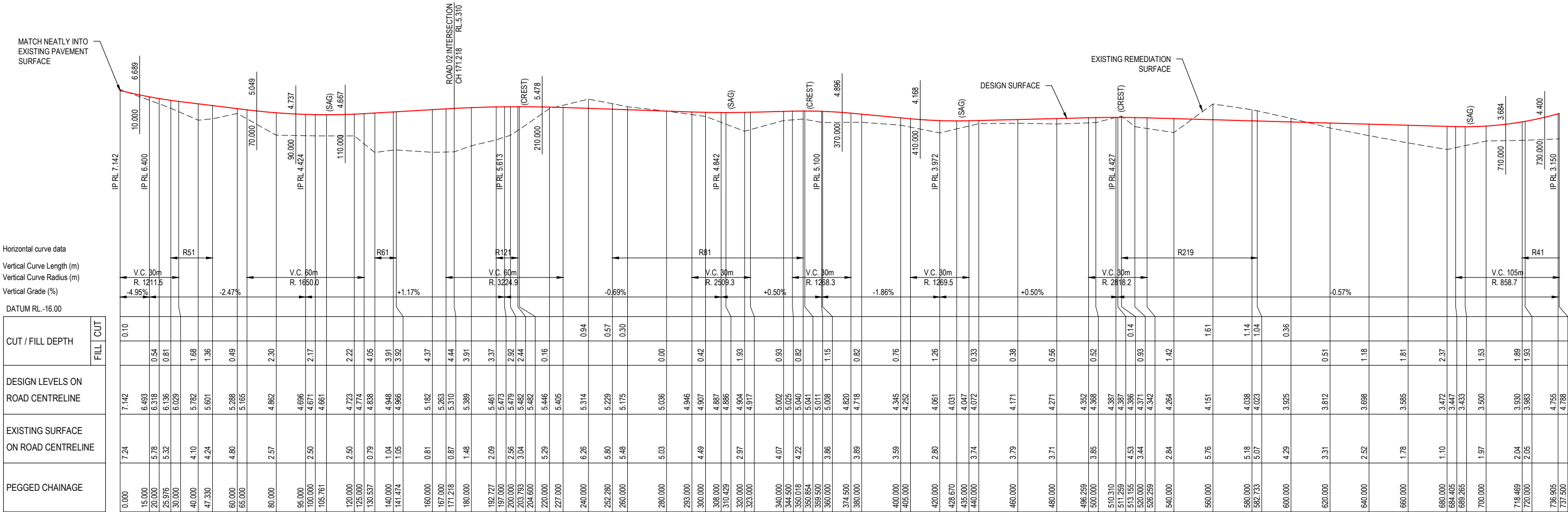


DEVELOPMENT APPLICATION NOTE:
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DEVELOPMENT APPLICATION NOTE:

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ROAD 01

SCALE 1:1000H / 1:200V

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A	ISSUE FOR APPROVAL	DH	MT	05.12.24

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SCALE	1 : 2000 HORIZ.	1	2	3	4	5	6	7	A3
COUNCIL	TWEED SHIRE COUNCIL								

ASSOCIATED CONSULTANTS
B & P SURVEYS COASTLINE SURVEYS zone zone zone zone

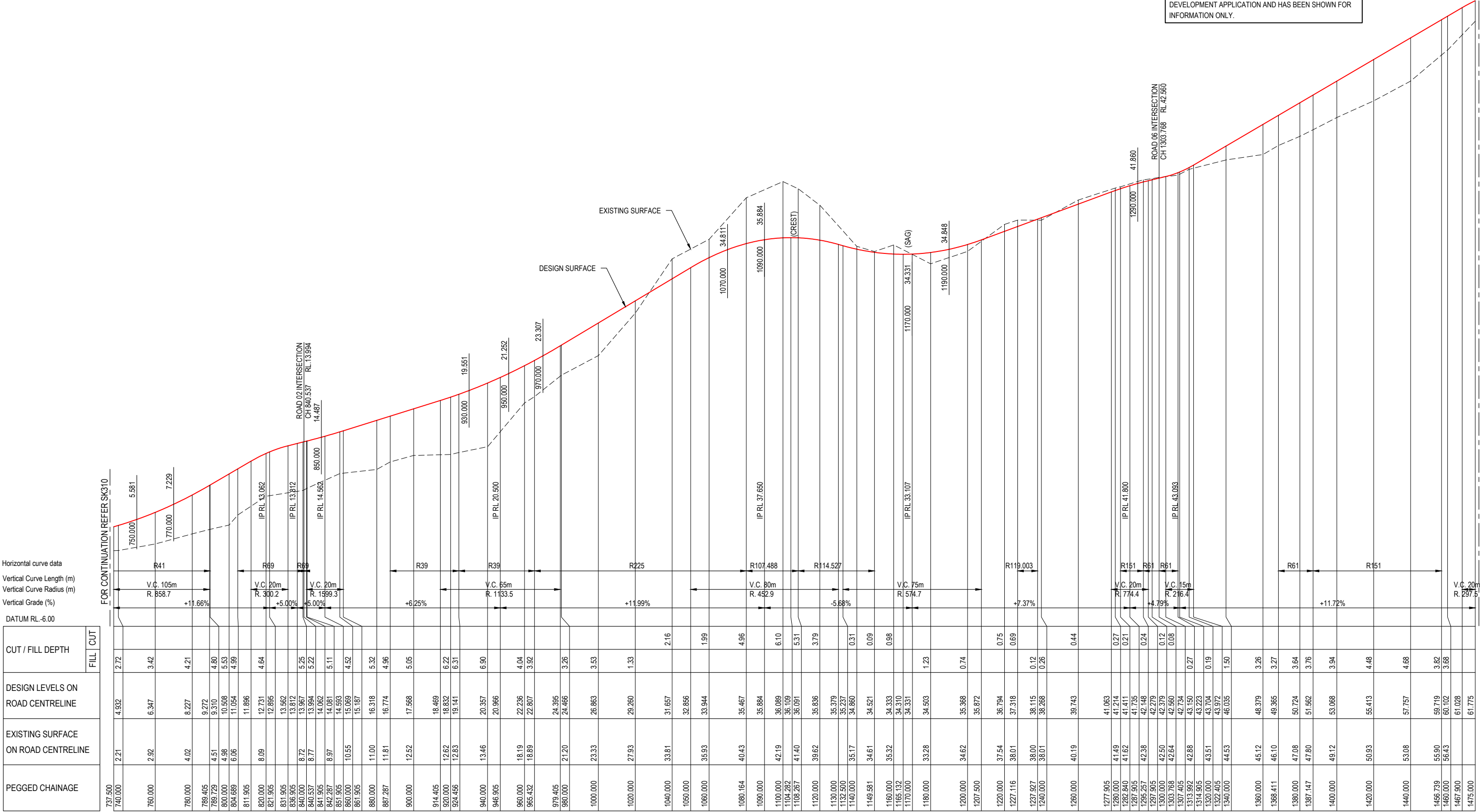
CIVIL 360 ENGINEERING PROJECT MANAGEMENT CIVIL ENGINEERING LAND DEVELOPMENT
0406 424 223 / 0423 593 058 info@civil360.com.au

CLIENT
MAHERS LANE DEVELOPMENTS PTY LTD

PROJECT
NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394
STATUS
ISSUE FOR APPROVAL

DRAWING TITLE
ROAD LONGITUDINAL SECTIONS SHEET 1 OF 7
PROJECT No.
2023076
DRAWING No.
SK310
REVISION
A

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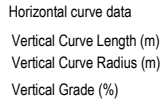
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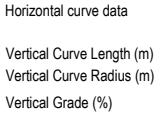
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Document Set ID: 8250252
Version: 1, Version Date: 09/01/2025

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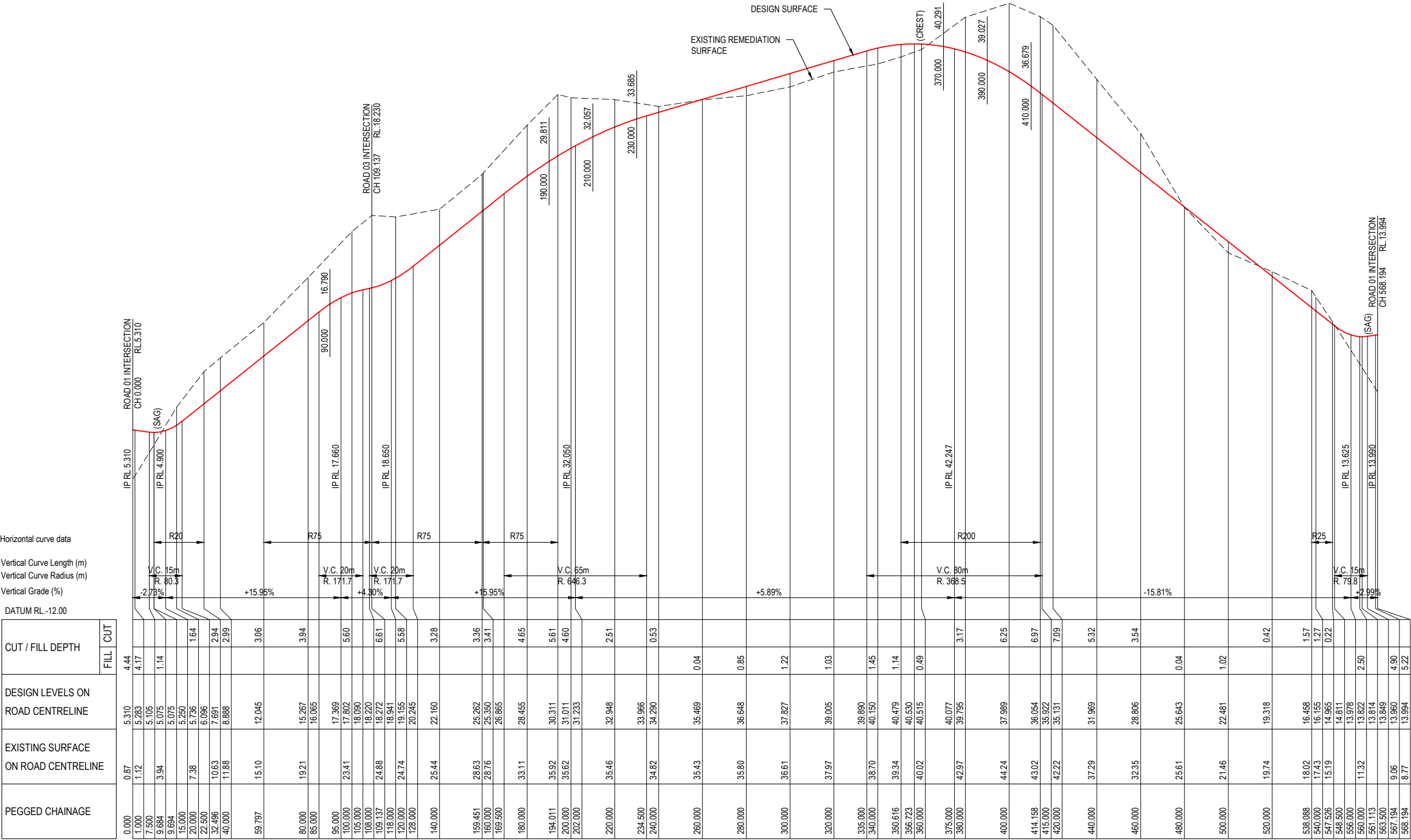


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DEVELOPMENT APPLICATION NOTE:

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ROAD 02

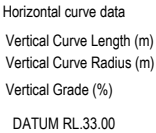
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										STATUS	PROJECT No. DRAWING No. REVISION
										ISSUE FOR APPROVAL	2023076 SK313 A

Document Set ID: 8250252

Version: 1, Version Date: 09/01/2025

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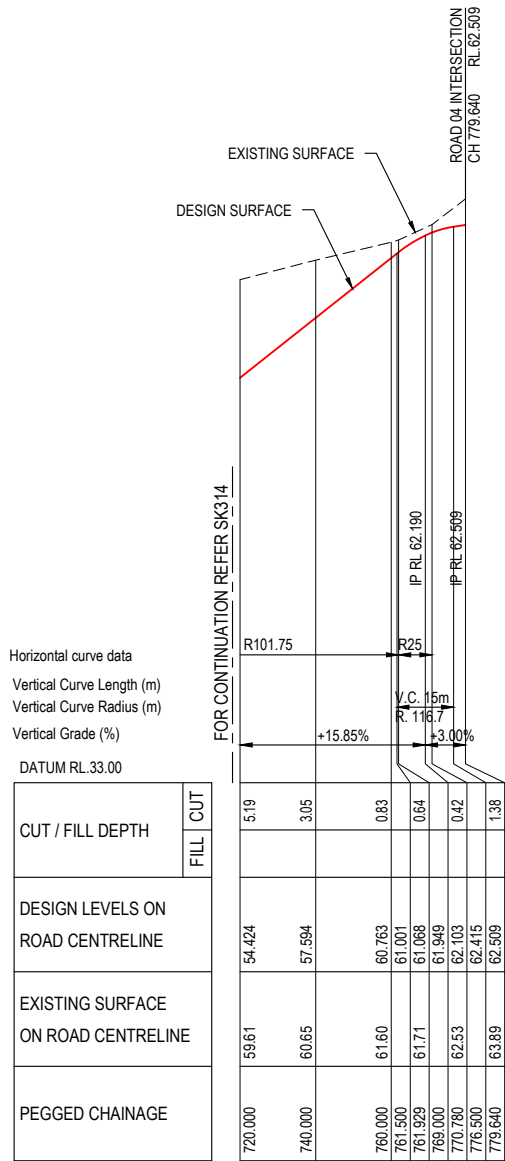


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Version: 1, Version Date: 09/01/2025

DEVELOPMENT APPLICATION NOTE:

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ROAD 04

SCALE 1:1000H / 1:200V

ROAD 05

SCALE 1:1000H / 1:200V

ROAD 06

SCALE 1:1000H / 1:200V

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	1 : 2000 HORIZ.								A3
COUNCIL	TWEED SHIRE COUNCIL								

ASSOCIATED CONSULTANTS
 


 
 0406 424 223 / 0423 593 058
 info@civil360.com.au

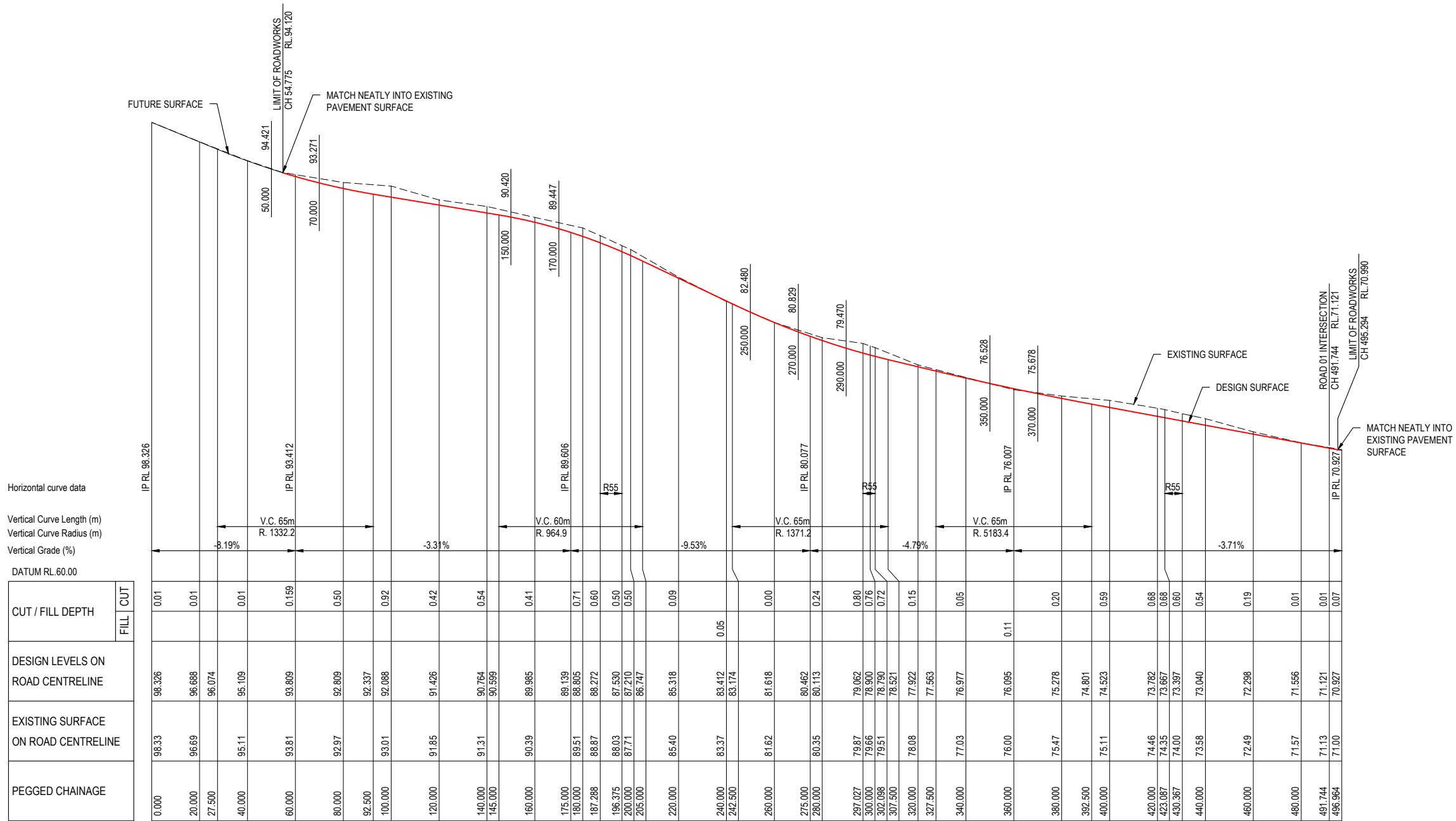
CLIENT
MAHERS LANE DEVELOPMENTS PTY LTD

PROJECT
NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394
STATUS
ISSUE FOR APPROVAL

DRAWING TITLE
ROAD LONGITUDINAL SECTIONS SHEET 6 OF 7
PROJECT No.
2023076
DRAWING No.
SK315
REVISION
A

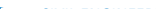
DEVELOPMENT APPLICATION NOTE:

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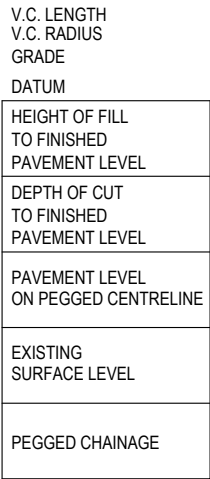


MAHERS LANE

SCALE 1:1000H / 1:200V

REV	REVISION DESCRIPTION	DESIGN	DRAWN	DATE	SCALE	ASSOCIATED CONSULTANTS	CIVIL 360 ENGINEERING	CLIENT	PROJECT	DRAWING TITLE		
A	ISSUE FOR APPROVAL	DH	MT	05.12.24	1 : 200 VERT. 2 0 2 4 6 8 10m A1 1 : 400 VERT. A3 1 : 1000 HORIZ. 10 0 10 20 30 40 50m A1 1 : 2000 HORIZ. A3	B & P SURVEYS COASTLINE SURVEYS    zone landscape Architecture  PROJECT MANAGEMENT CIVIL ENGINEERING LAND DEVELOPMENT  0406 424 223 / 0423 593 058 info@civil360.com.au	MAHERS LANE DEVELOPMENTS PTY LTD	NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394	ROAD LONGITUDINAL SECTIONS SHEET 7 OF 7			
Document Set ID: 8250252					COUNCIL	TWEED SHIRE COUNCIL		ISSUE FOR APPROVAL	2023076	SK316	A	

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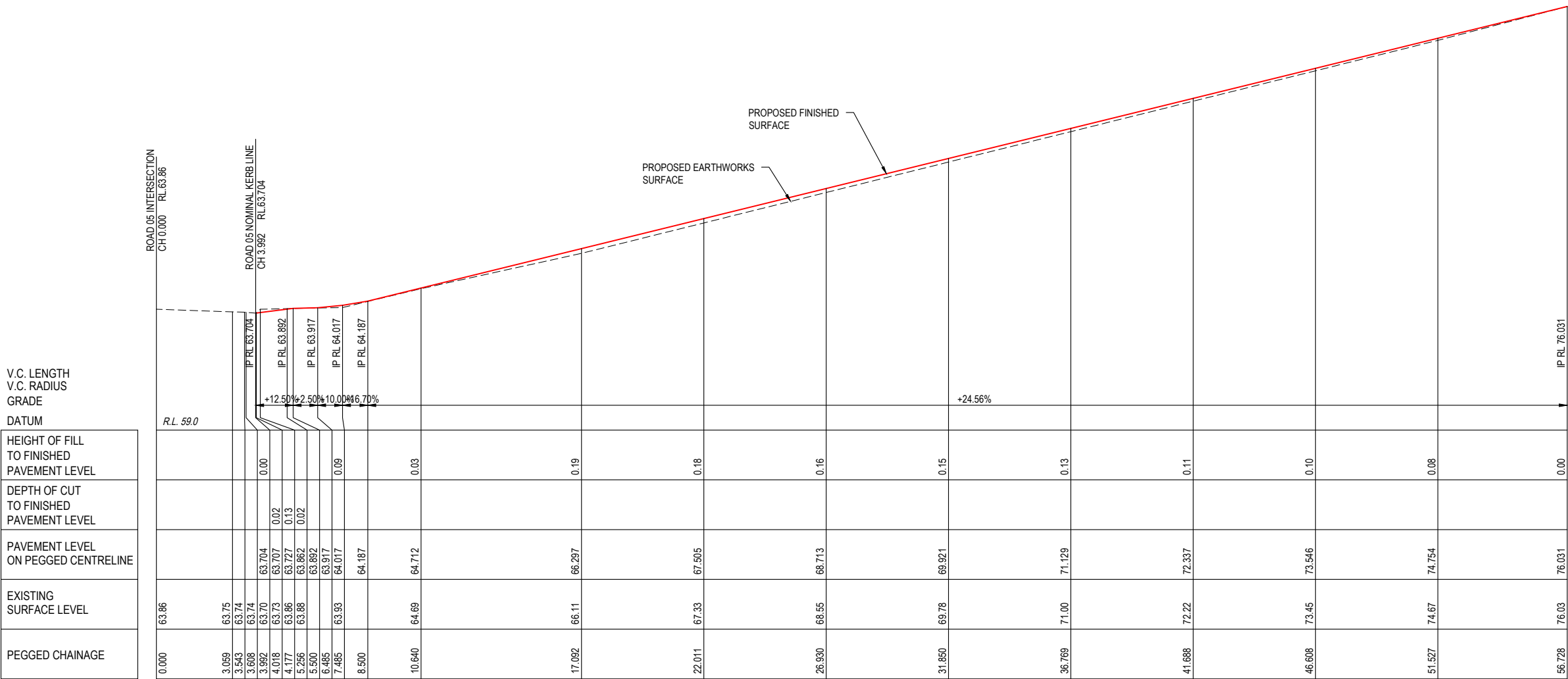


SCALE 1:100H / 1:100V

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A		ISSUE FOR APPROVAL		DH	MT	06.12.24	1: 100 VERT. 5m A1 1: 200 VERT. 5m A3 1: 100 HORIZ. 5m A1 1: 200 HORIZ. 5m A3		B & P SURVEYS CONSULTING SURVEYORS		PROJECT MANAGEMENT CIVIL ENGINEERING LAND DEVELOPMENT		MAHERS LANE DEVELOPMENTS PTY LTD	NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394		DWAY 1 LONGITUDINAL SECTION				
							COUNCIL TWEED SHIRE COUNCIL				0406 424 223 / 0423 593 058 info@civil360.com.au			STATUS	ISSUE FOR APPROVAL	PROJECT No.	2023076	DRAWING No.	SK317	REVISION
Document Set ID: 8250252																				

DEVELOPMENT APPLICATION NOTE:

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DWAY 2

SCALE 1:100H / 1:100V

REV	REVISION DESCRIPTION	DESIGN	DRAWN	DATE
A	ISSUE FOR APPROVAL	DH	MT	05.12.24

SCALE									
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COUNCIL									
TWEED SHIRE COUNCIL									

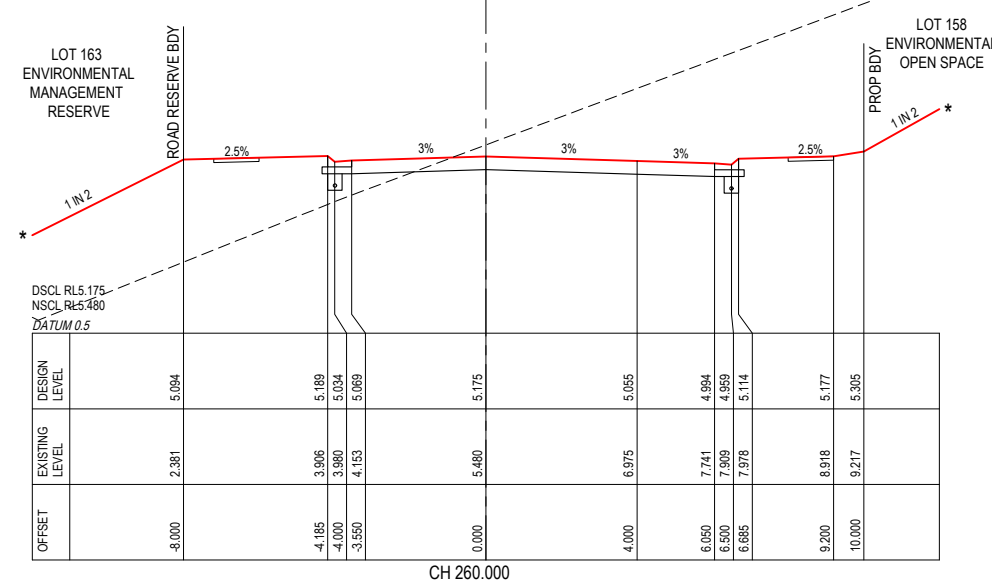
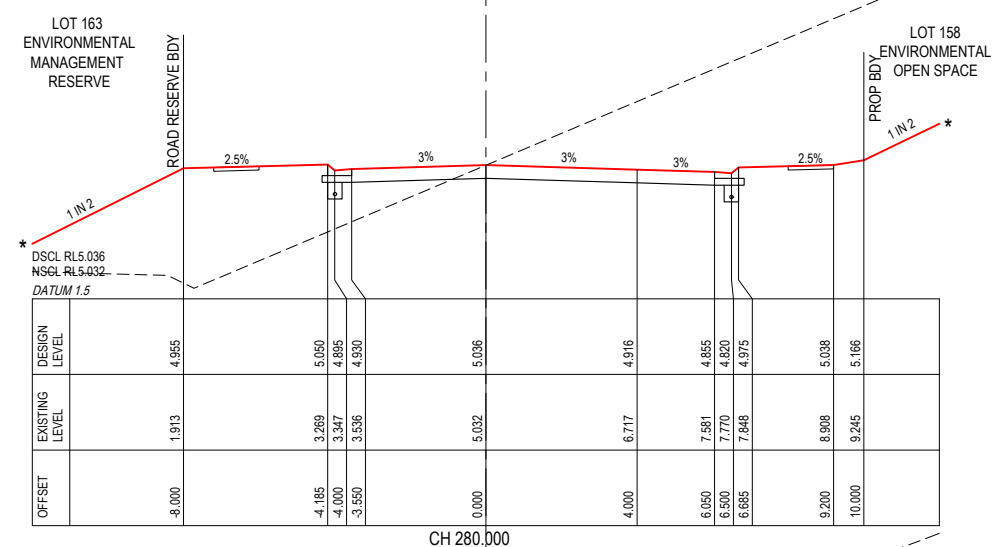
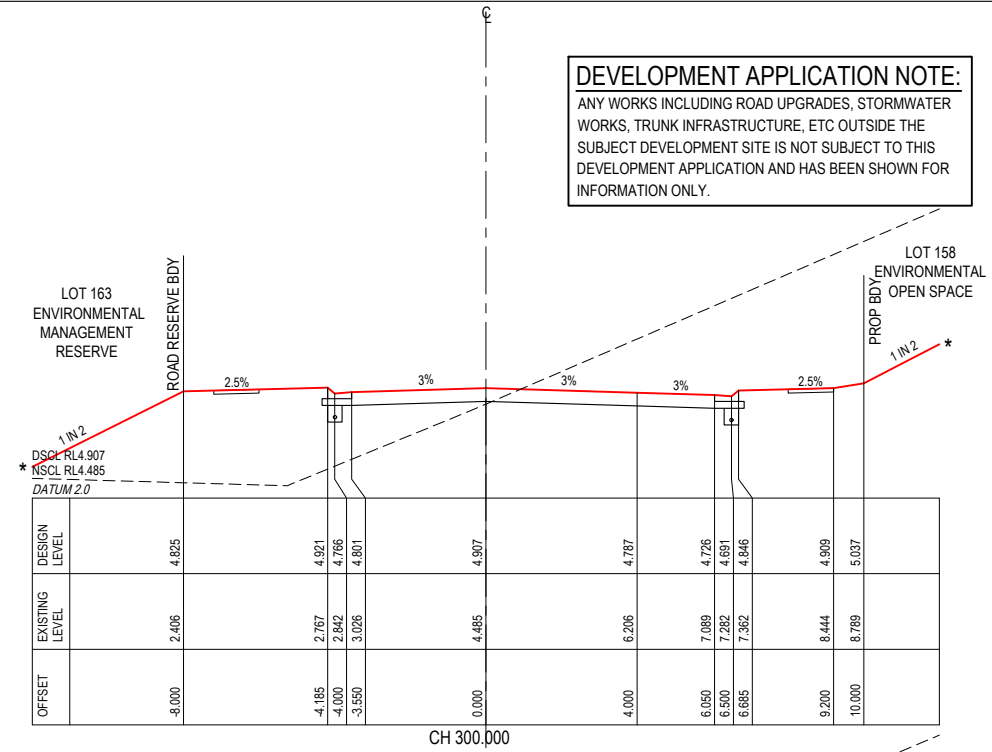
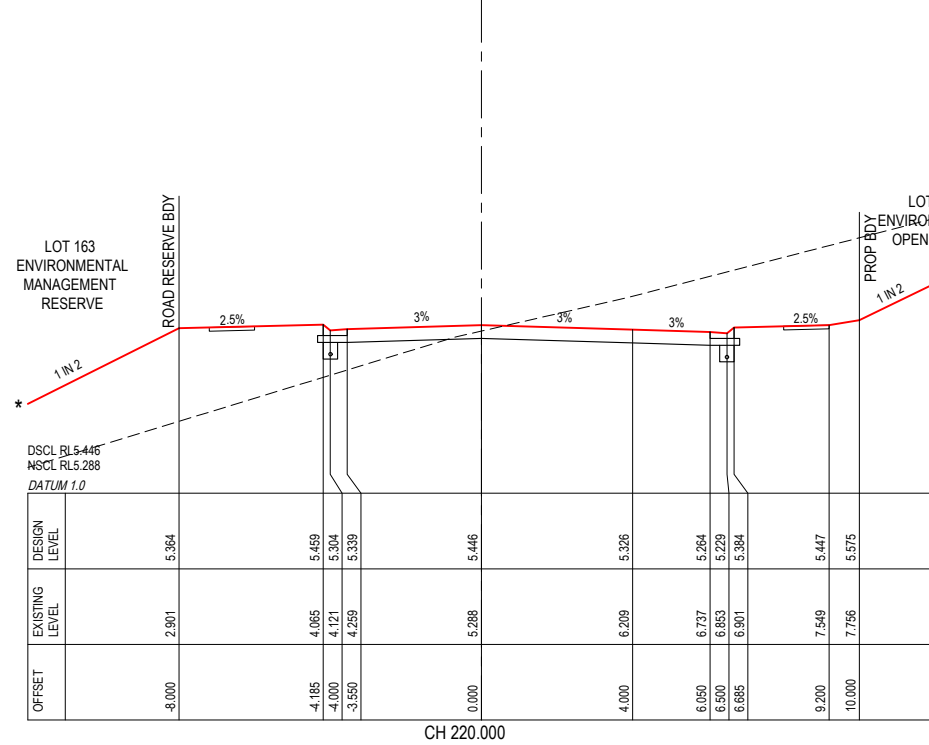
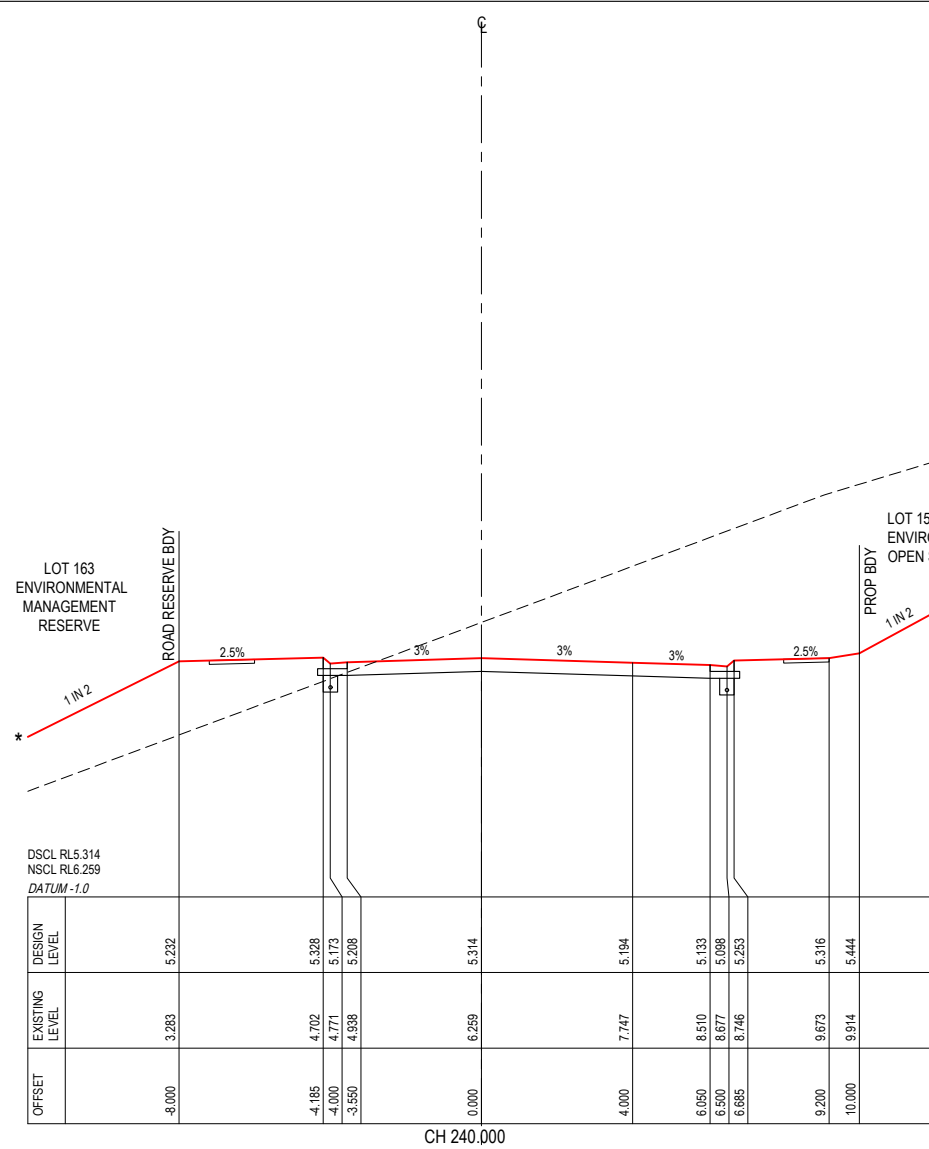
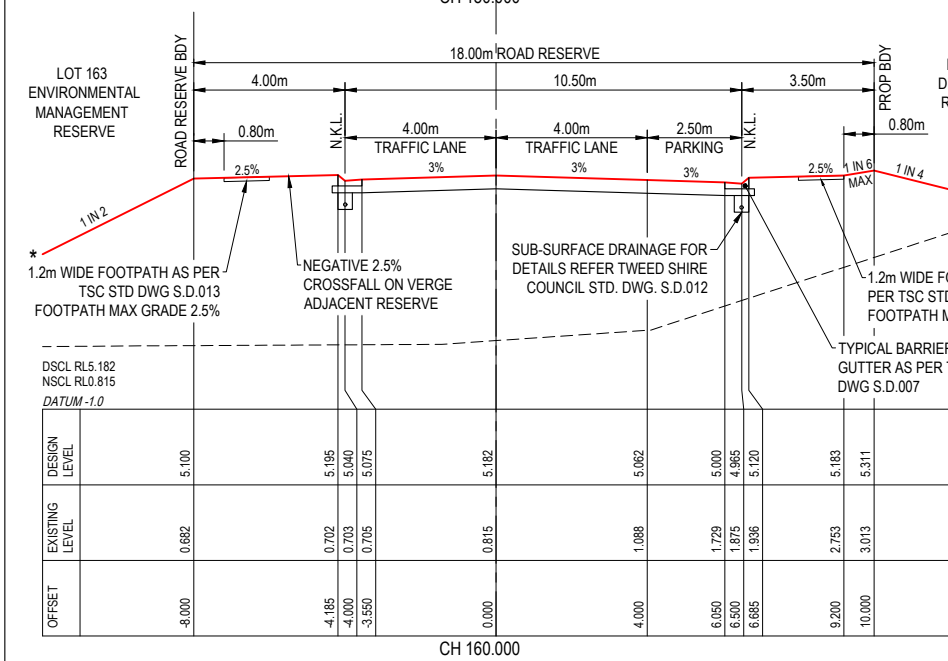
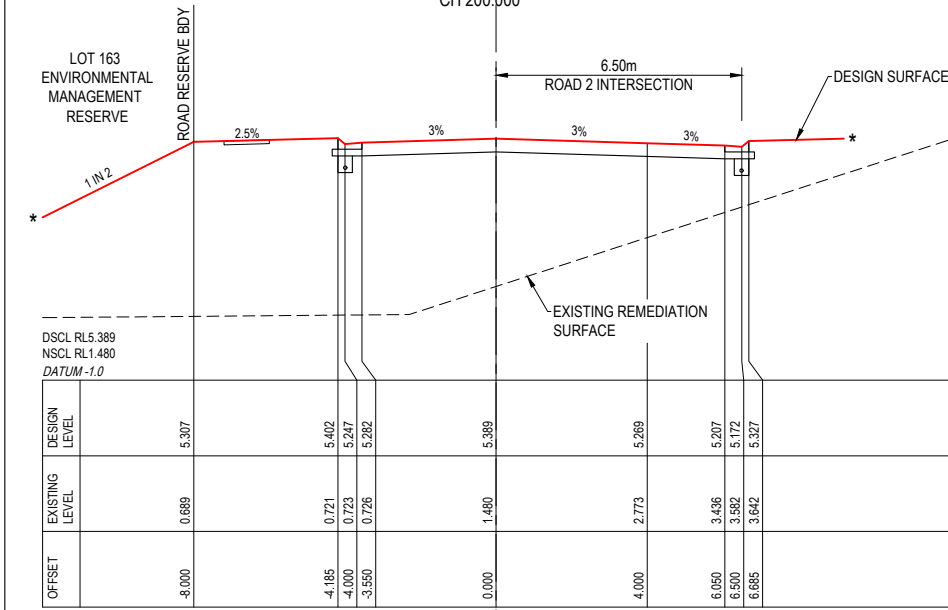
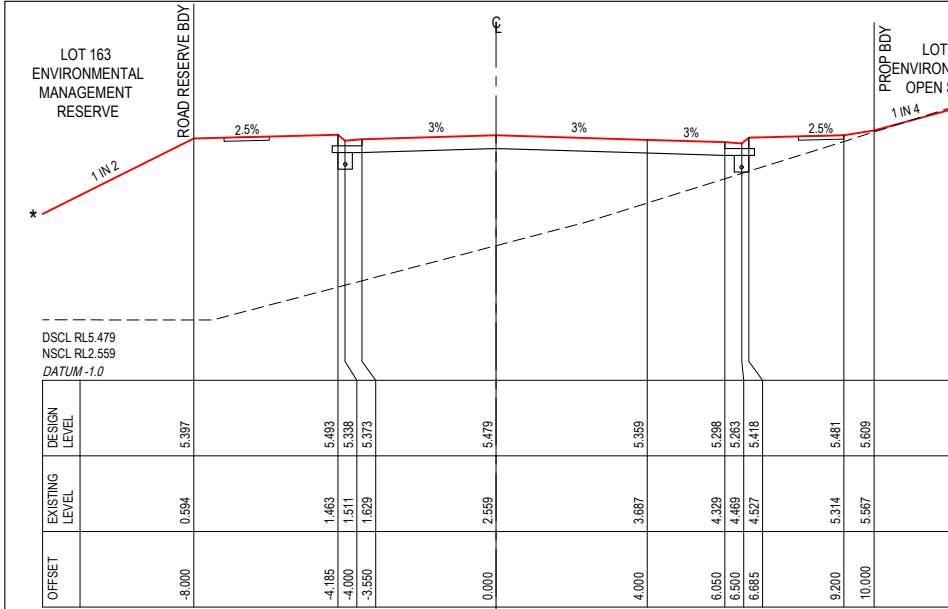
ASSOCIATED CONSULTANTS
B & P SURVEYS CONSULTANTS
zone
zone Landscape Architecture

CIVIL 360 ENGINEERING	PROJECT MANAGEMENT CIVIL ENGINEERING LAND DEVELOPMENT
0406 424 223 / 0423 593 058 info@civil360.com.au	

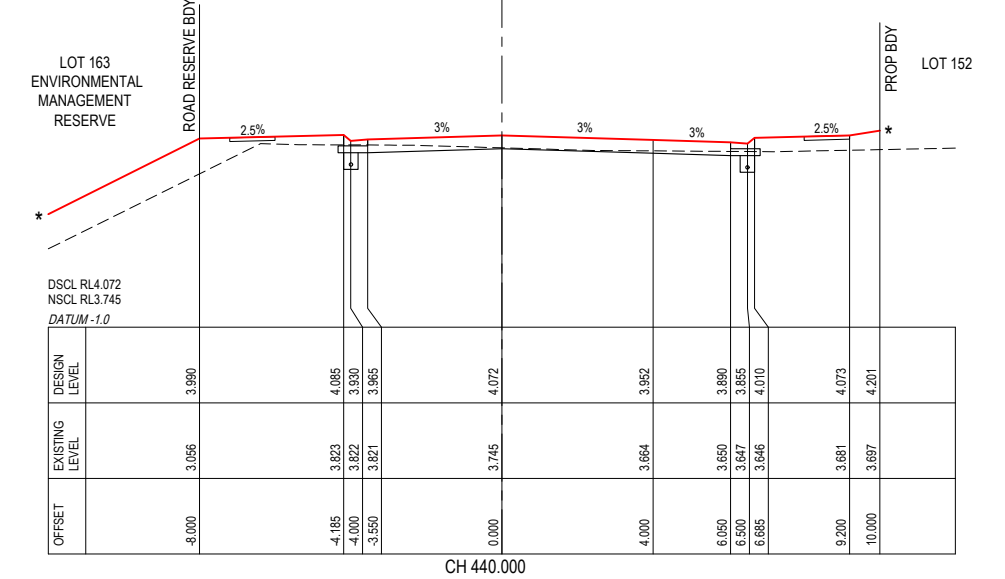
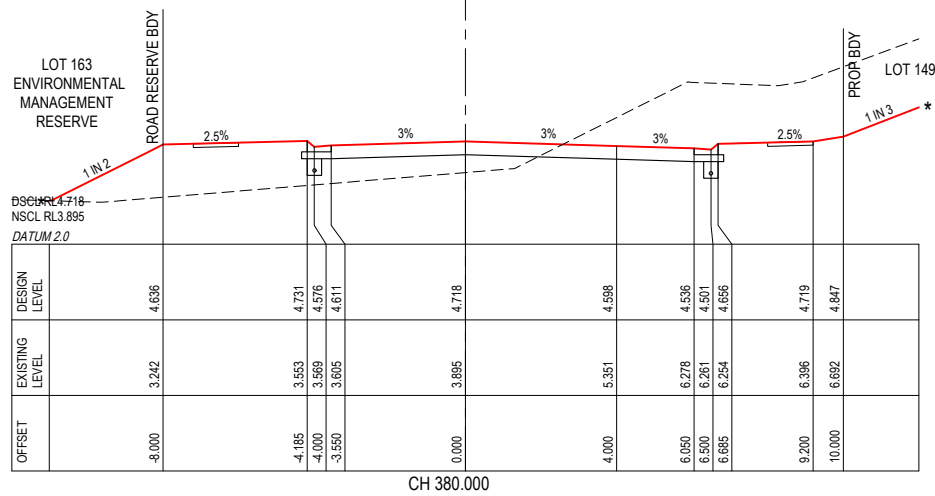
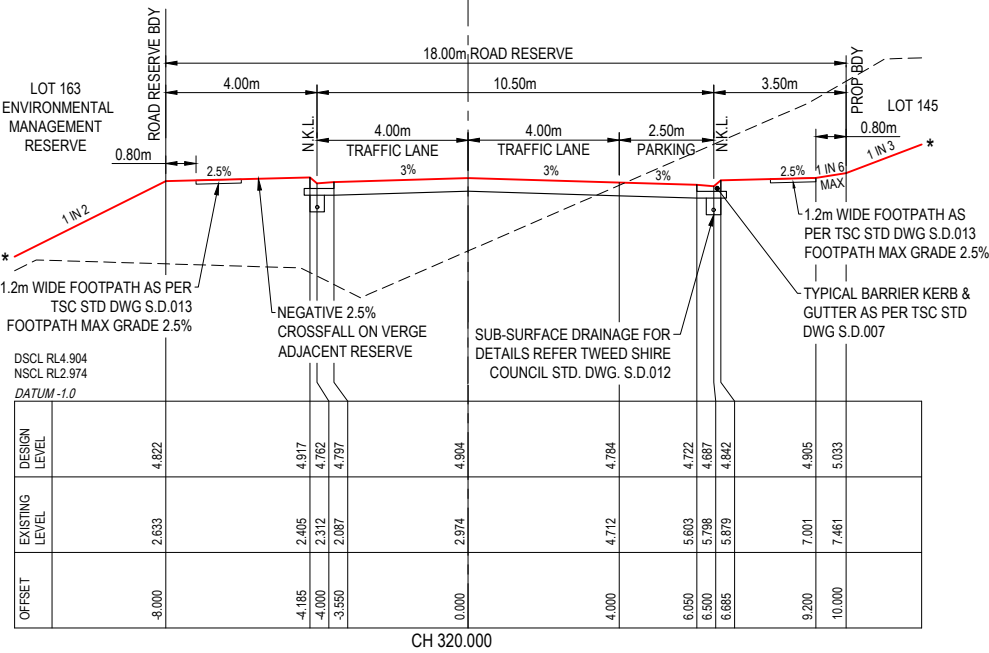
CLIENT
MAHERS LANE DEVELOPMENTS PTY LTD

PROJECT
NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394
STATUS
ISSUE FOR APPROVAL

DRAWING TITLE
DWAY 2 LONGITUDINAL SECTION
PROJECT No.
2023076
DRAWING No.
SK318
REVISION
A



DEVELOPMENT APPLICATION NOTE:
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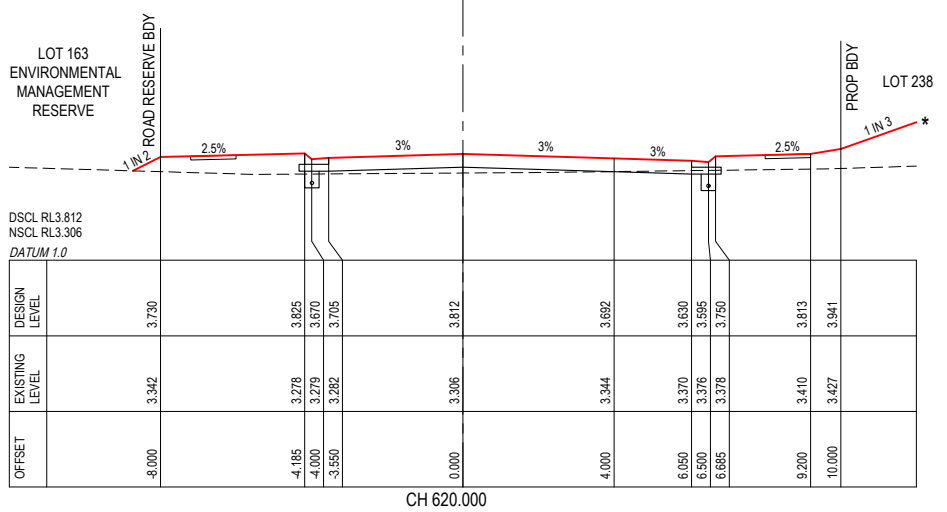
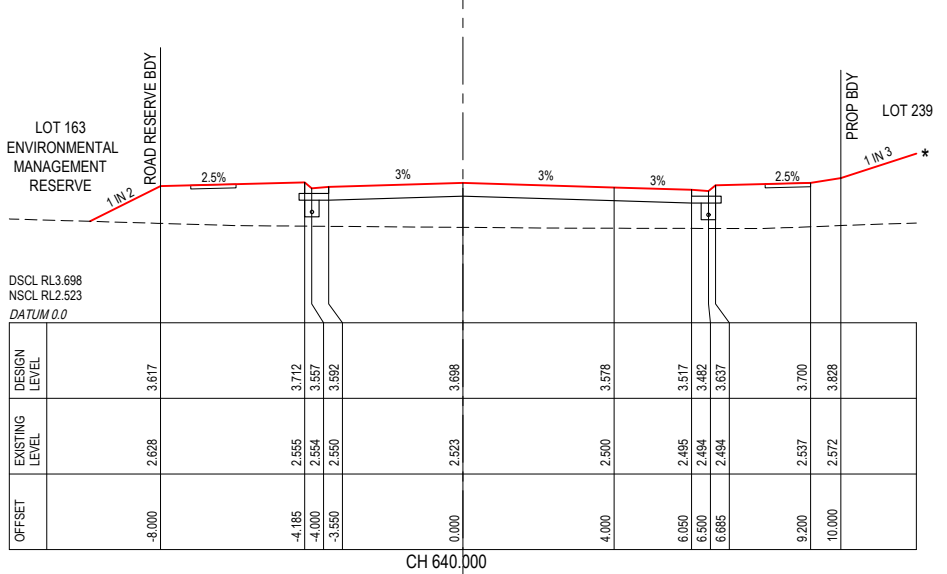
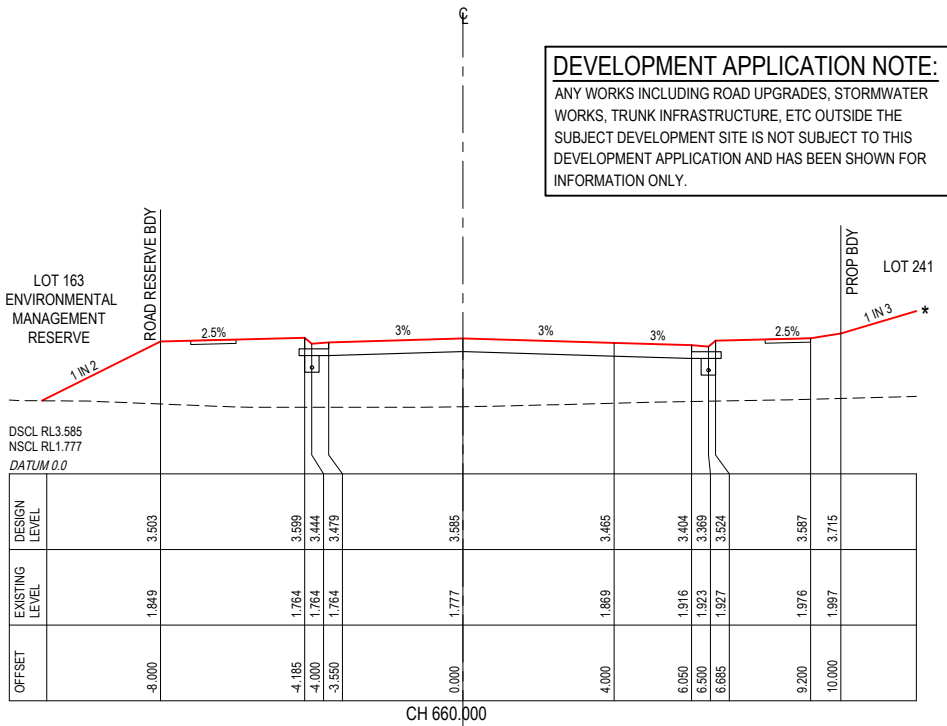
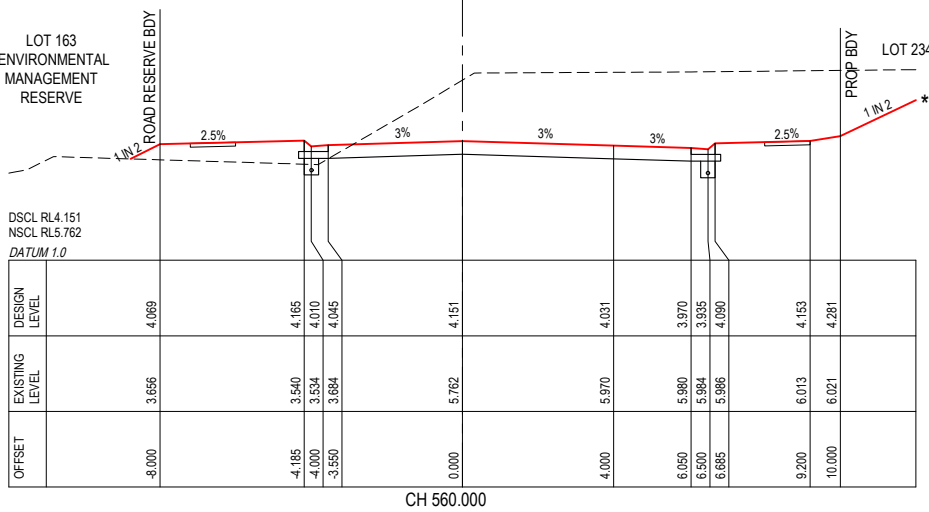
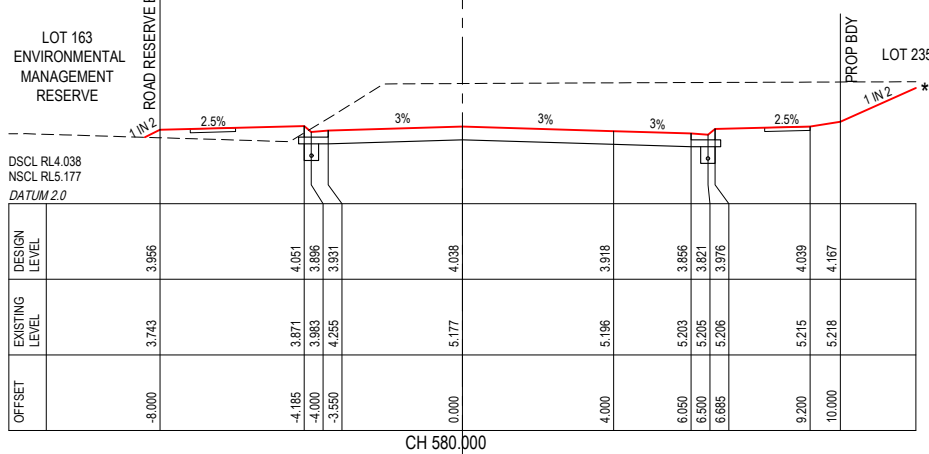
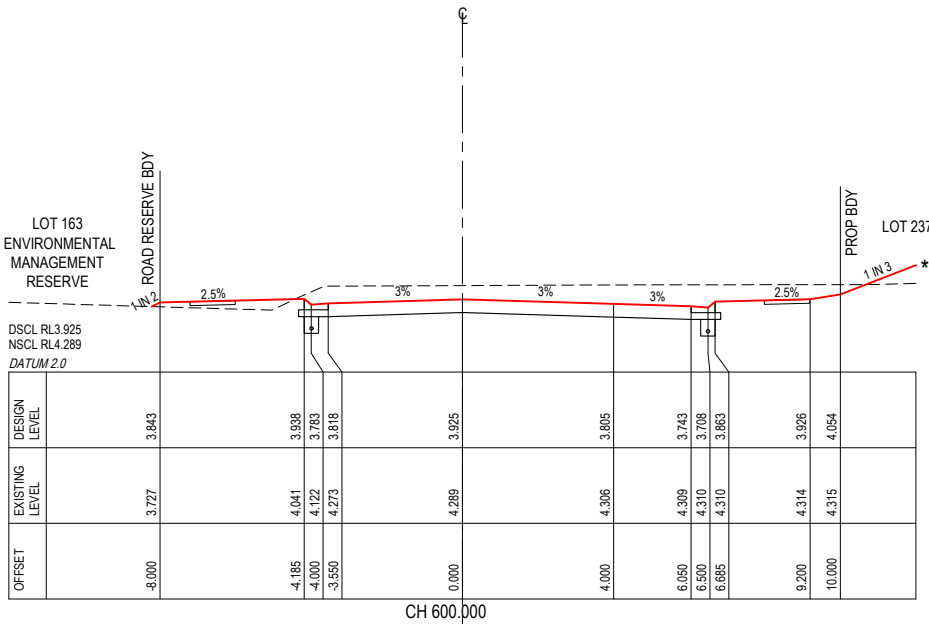
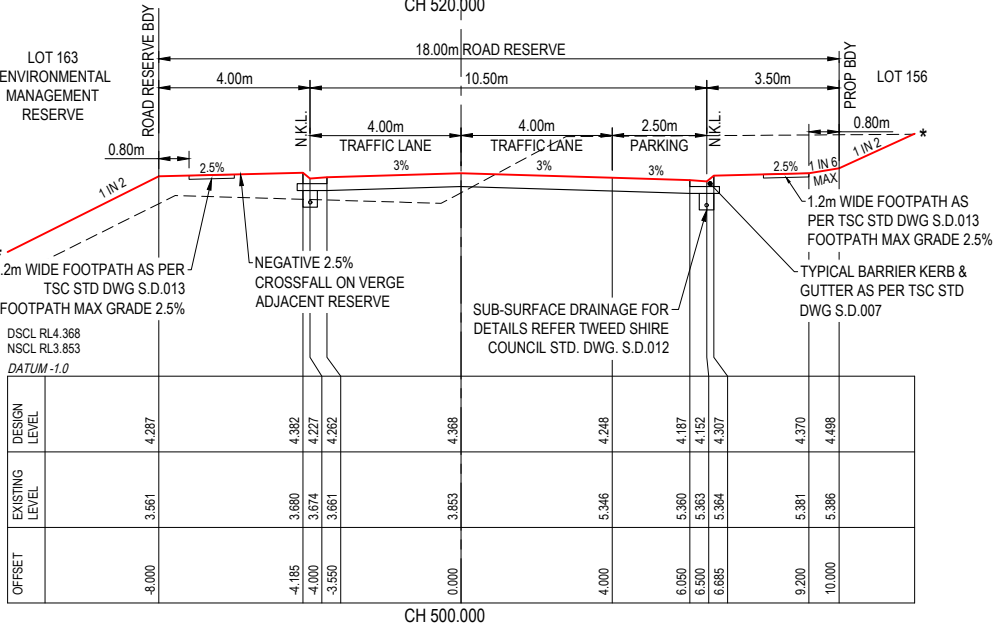
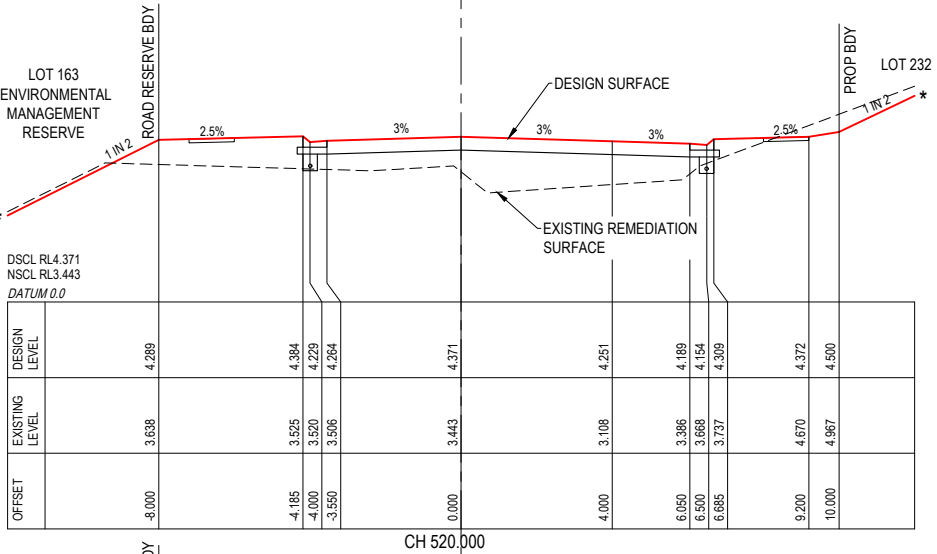
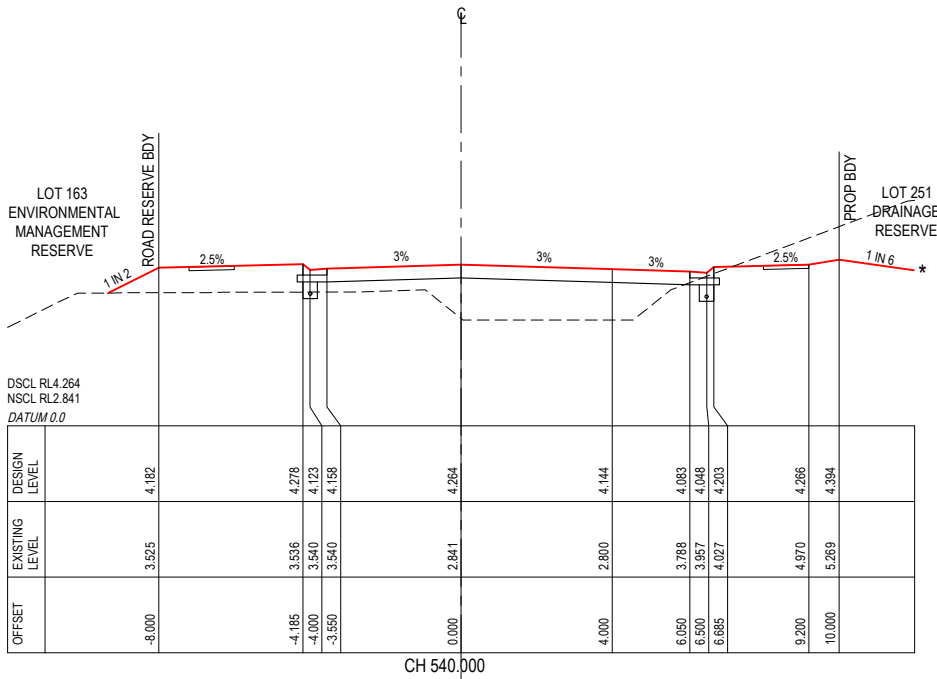


* REFER TO EARTHWORKS DWGS FOR LOT GRADING

DRAWING TITLE		
ROAD 1 CROSS SECTIONS SHEET 3 OF 11		
PROJECT No.	DRAWING No.	REVISION
2023076	SK332	A

DEVELOPMENT APPLICATION NOTE:

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* REFER TO EARTHWORKS DWGS FOR LOT GRADING

REV	REVISION DESCRIPTION	DESIGN	DRAWN	DATE
A	ISSUE FOR APPROVAL	DH	MT	05.12.24

SCALE	COUNCIL
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1 : 400 VERT. 10 0 10 20 30 40 50m A3	
1 : 1000 HORIZ. 10 0 10 20 30 40 50m A1	
1 : 2000 HORIZ. 10 0 10 20 30 40 50m A3	

ASSOCIATED CONSULTANTS

B & P SURVEYS
CONSULTANTS

zone

zone
Landscape Architecture

CIVIL 360 ENGINEERING

PROJECT MANAGEMENT
CIVIL ENGINEERING
LAND DEVELOPMENT

0406 424 223 / 0423 593 058
info@civil360.com.au

CLIENT

MAHERS LANE
DEVELOPMENTS PTY LTD

PROJECT

NORTH - TERRANORA
HENRY LAWSON DRIVE, TERRANORA
LOT 13 ON DP1264394

STATUS

ISSUE FOR APPROVAL

DRAWING TITLE

ROAD 1 CROSS SECTIONS
SHEET 4 OF 11

PROJECT No.

2023076

DRAWING No.

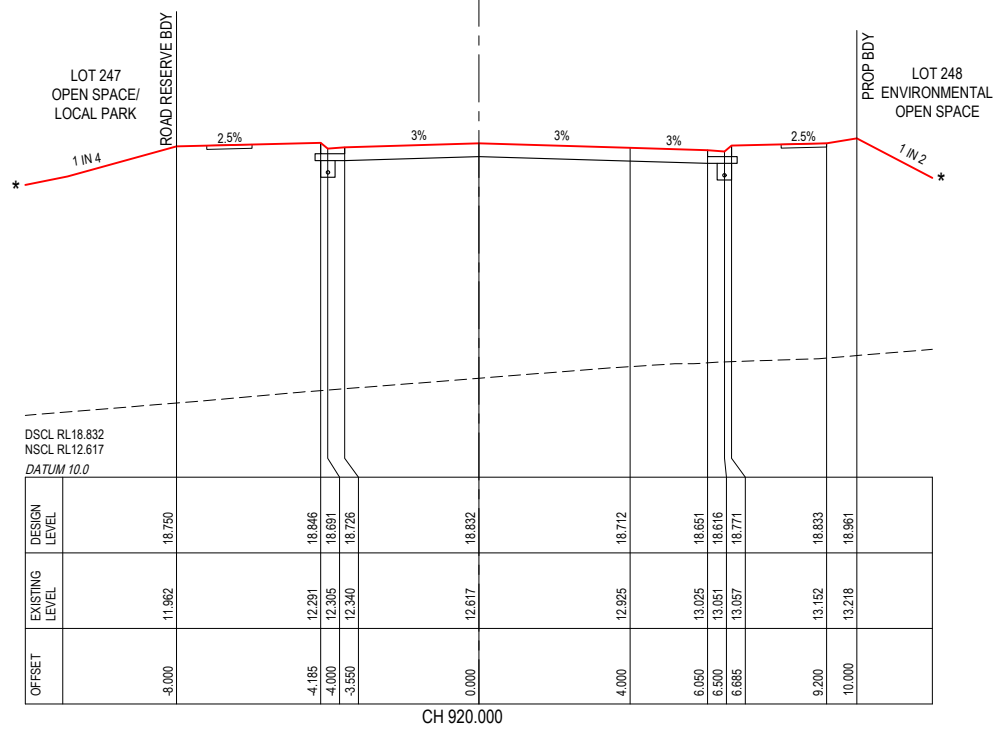
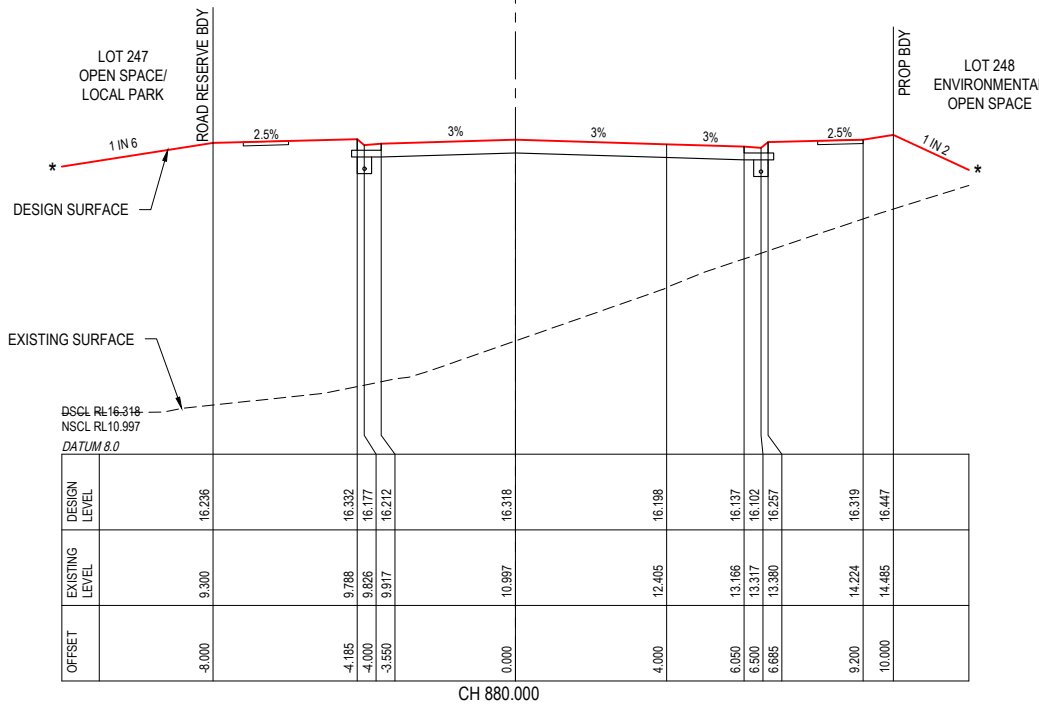
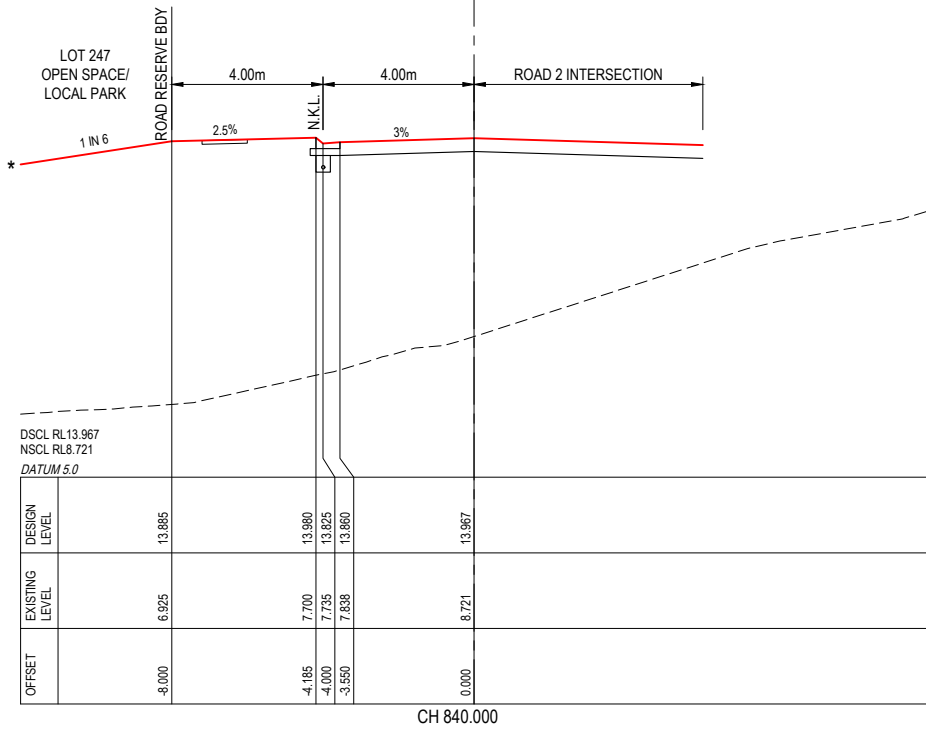
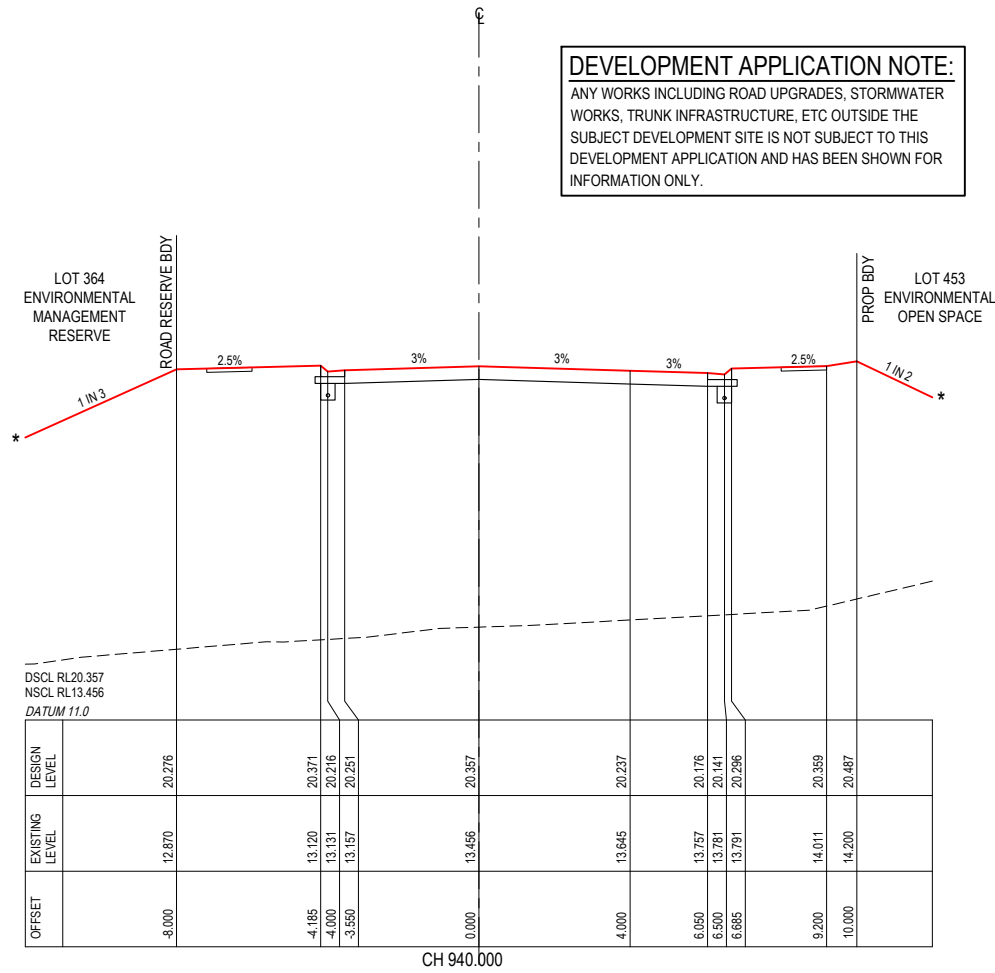
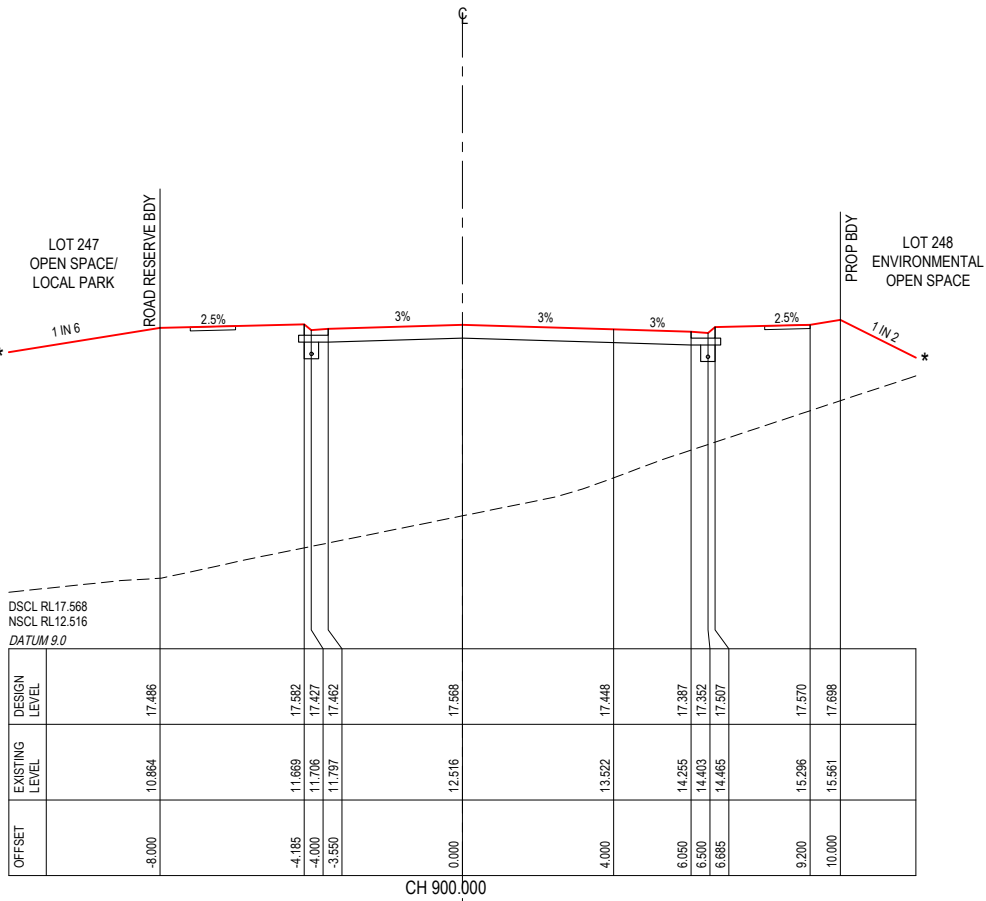
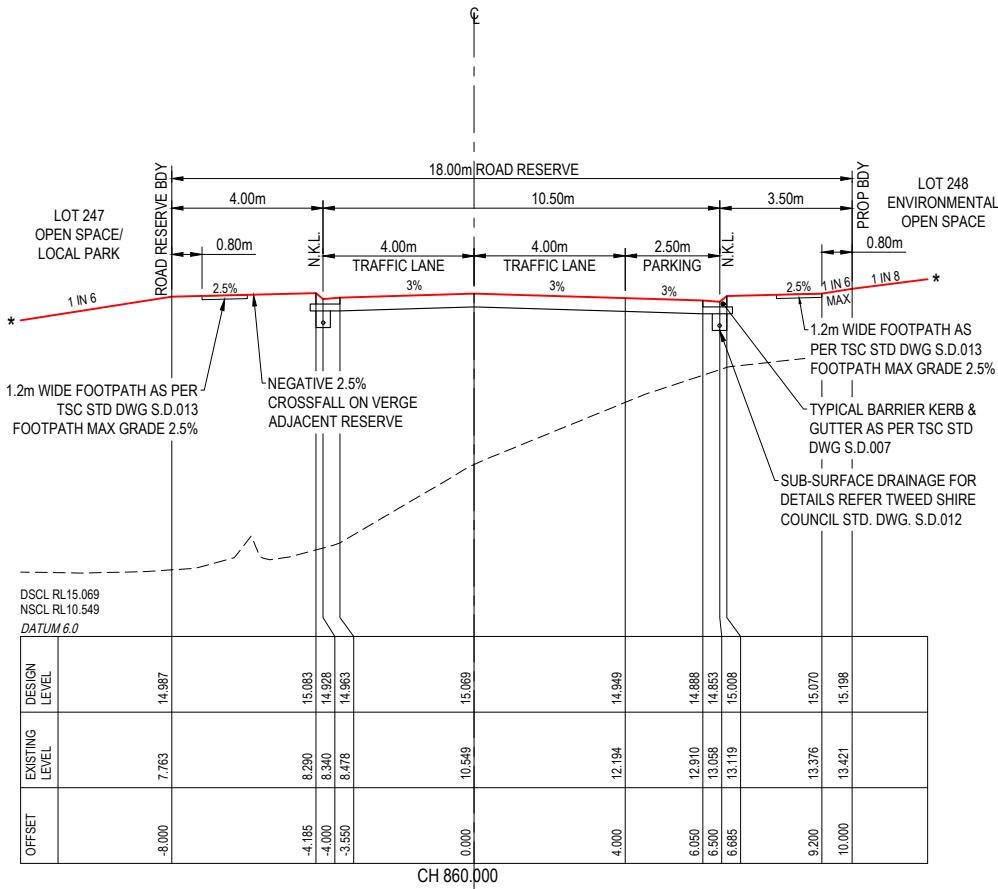
SK333

REVISION

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DEVELOPMENT APPLICATION NOTE:

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ROAD 1

* REFER TO EARTHWORKS DWGS FOR LOT GRADING

REV	REVISION DESCRIPTION	DESIGN	DRAWN	DATE
A	ISSUE FOR APPROVAL	DH	MT	05.12.24

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SCALE	1 : 1000 HORIZ.	10	0	10	20	30	40	50m	A1
SCALE	1 : 2000 HORIZ.	10	0	10	20	30	40	50m	A3
COUNCIL	TWEED SHIRE COUNCIL								

ASSOCIATED CONSULTANTS

B & P SURVEYS
CONSULTANTS

zone

zone
landscape Architecture

CIVIL 360
ENGINEERING

PROJECT MANAGEMENT
CIVIL ENGINEERING
LAND DEVELOPMENT

0406 424 223 / 0423 593 058
info@civil360.com.au

CLIENT

MAHERS LANE
DEVELOPMENTS PTY LTD

PROJECT

NORTH - TERRANORA
HENRY LAWSON DRIVE, TERRANORA
LOT 13 ON DP1264394

STATUS

ISSUE FOR APPROVAL

DRAWING TITLE

ROAD 1 CROSS SECTIONS
SHEET 6 OF 11

PROJECT No.

2023076

DRAWING No.

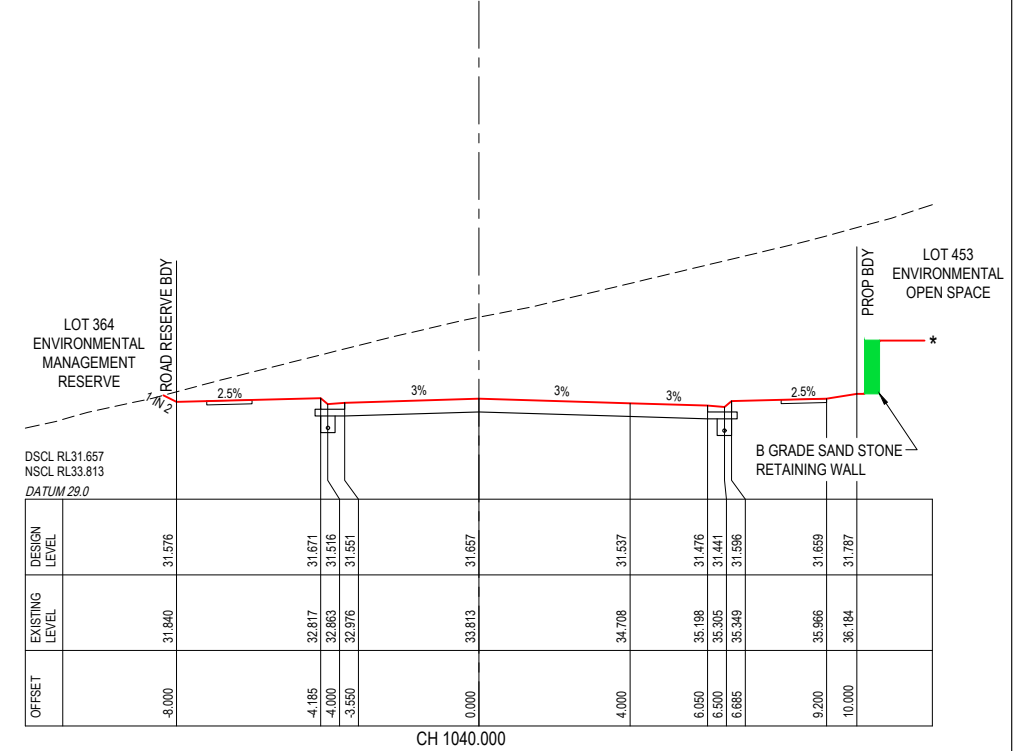
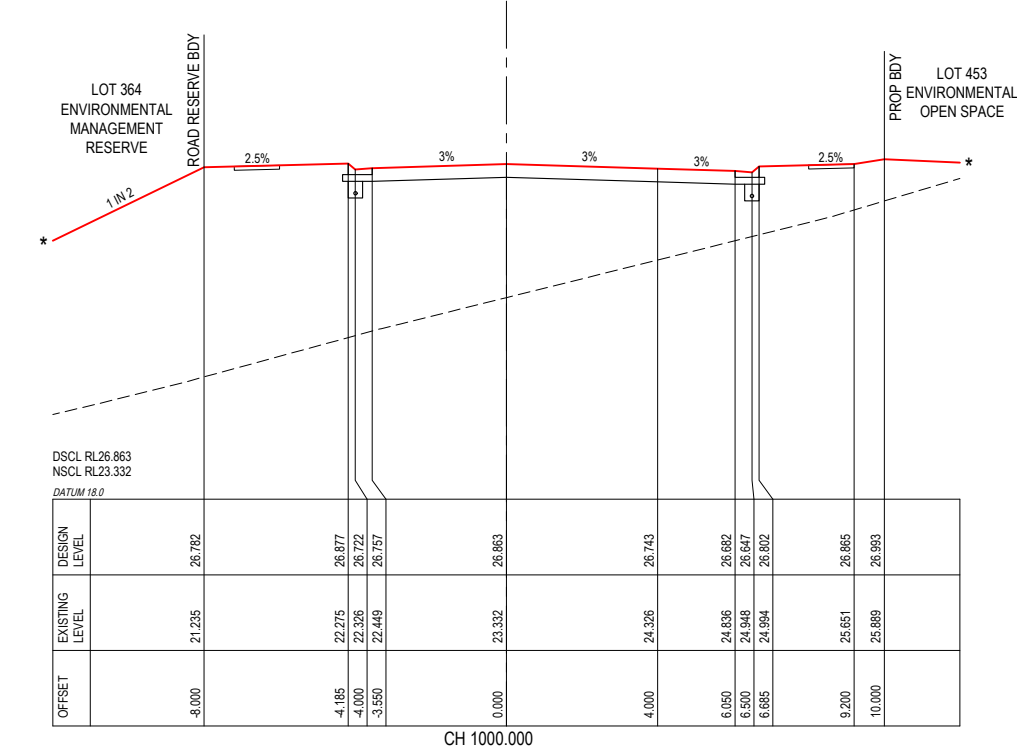
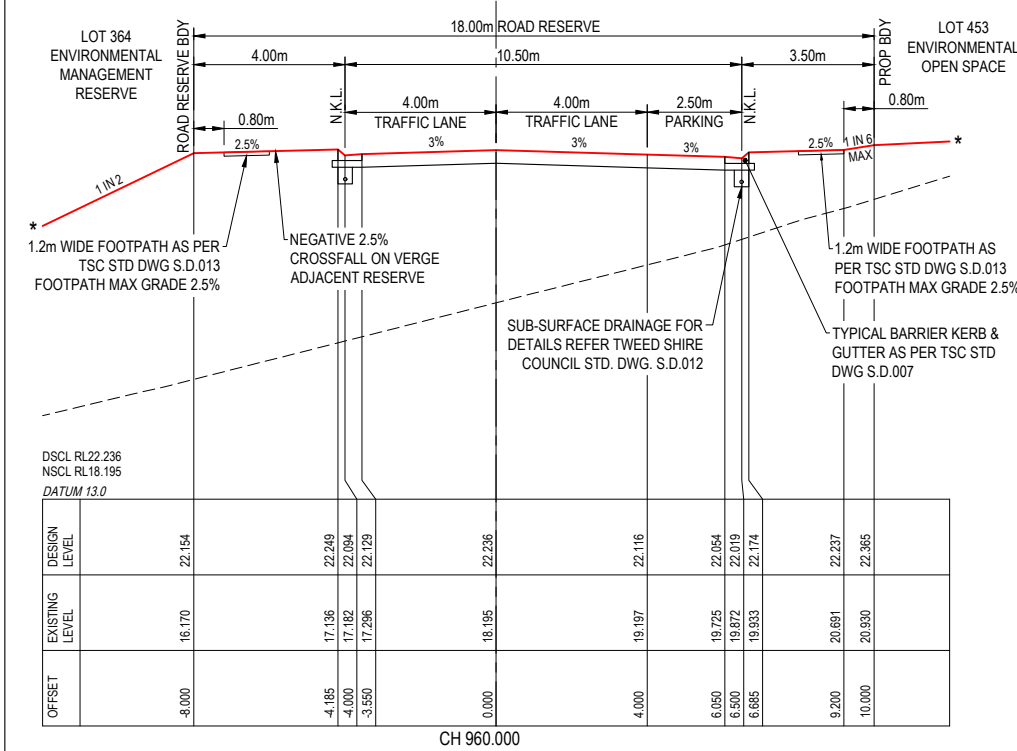
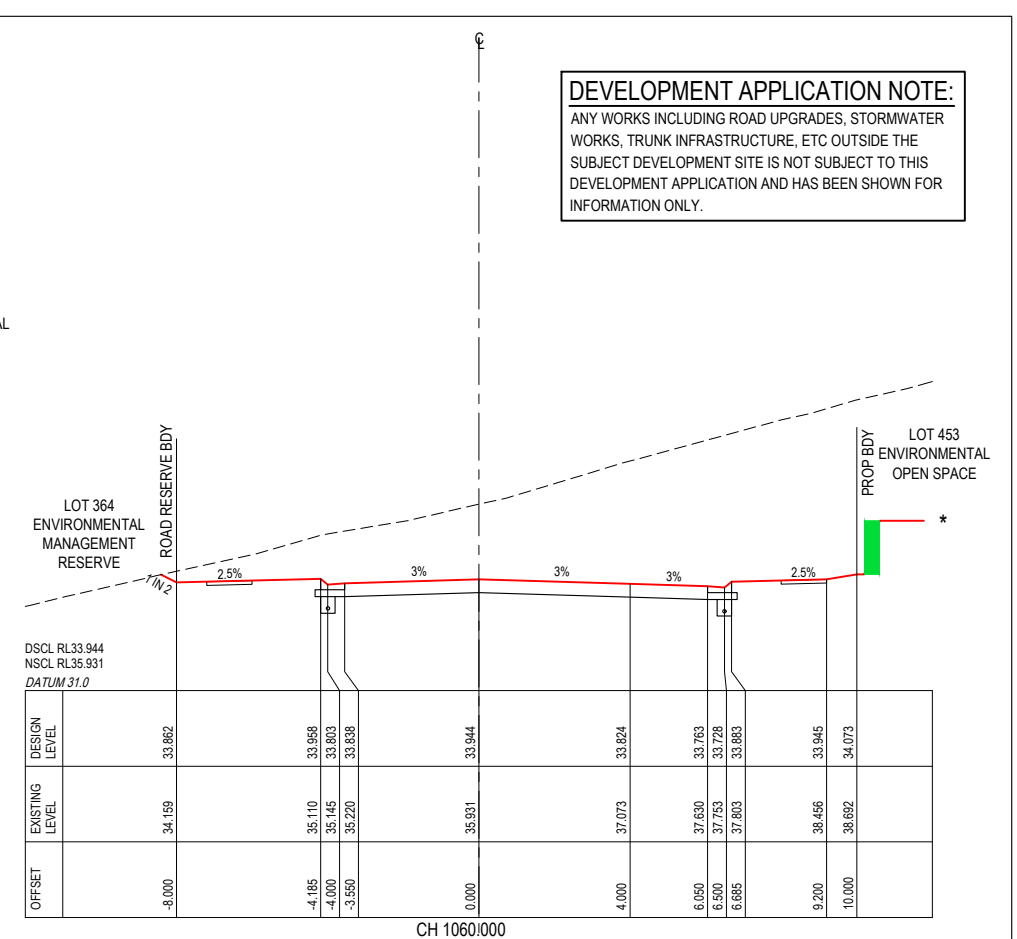
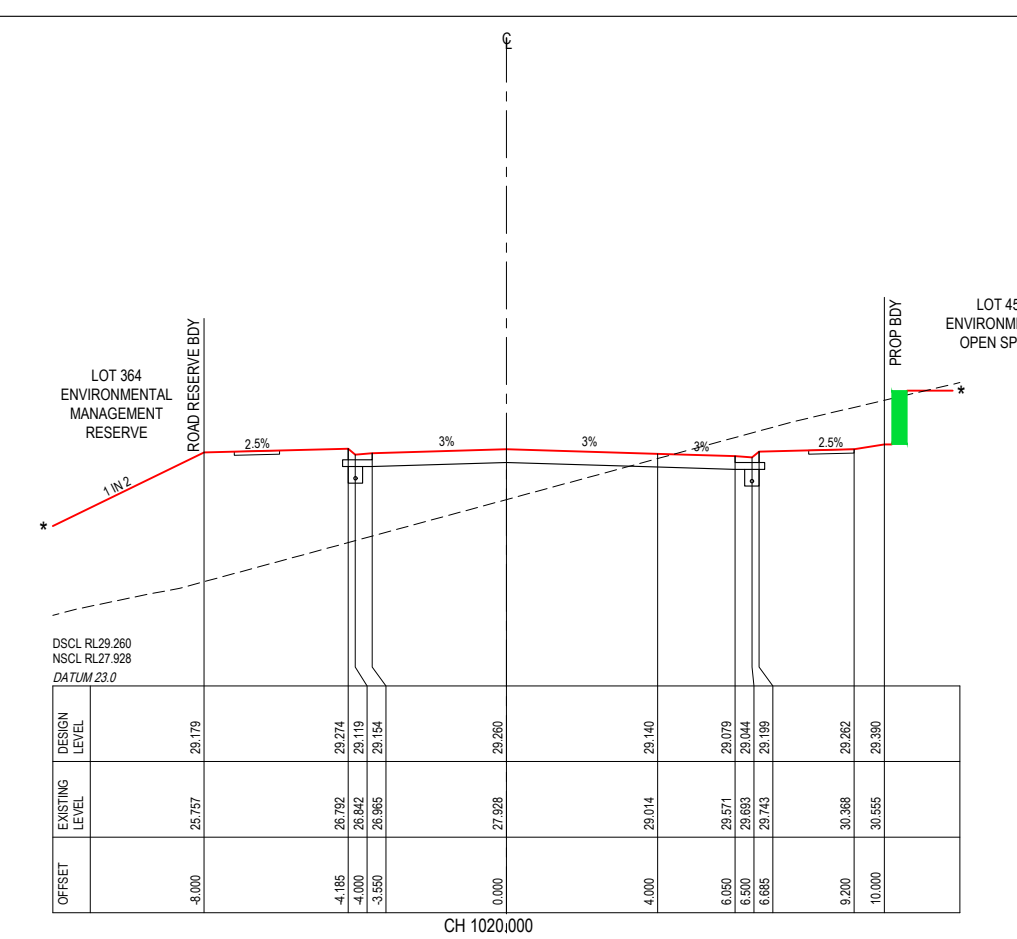
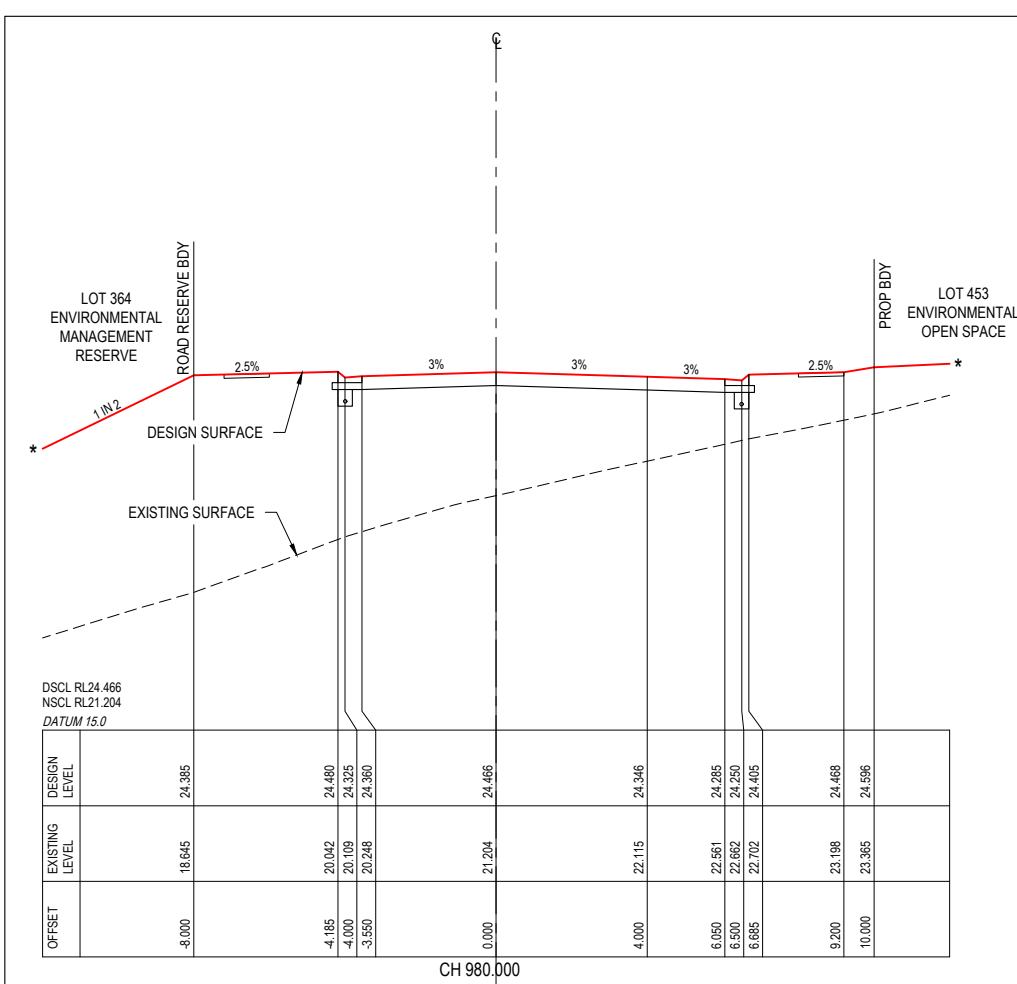
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REVISION

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DEVELOPMENT APPLICATION NOTE:

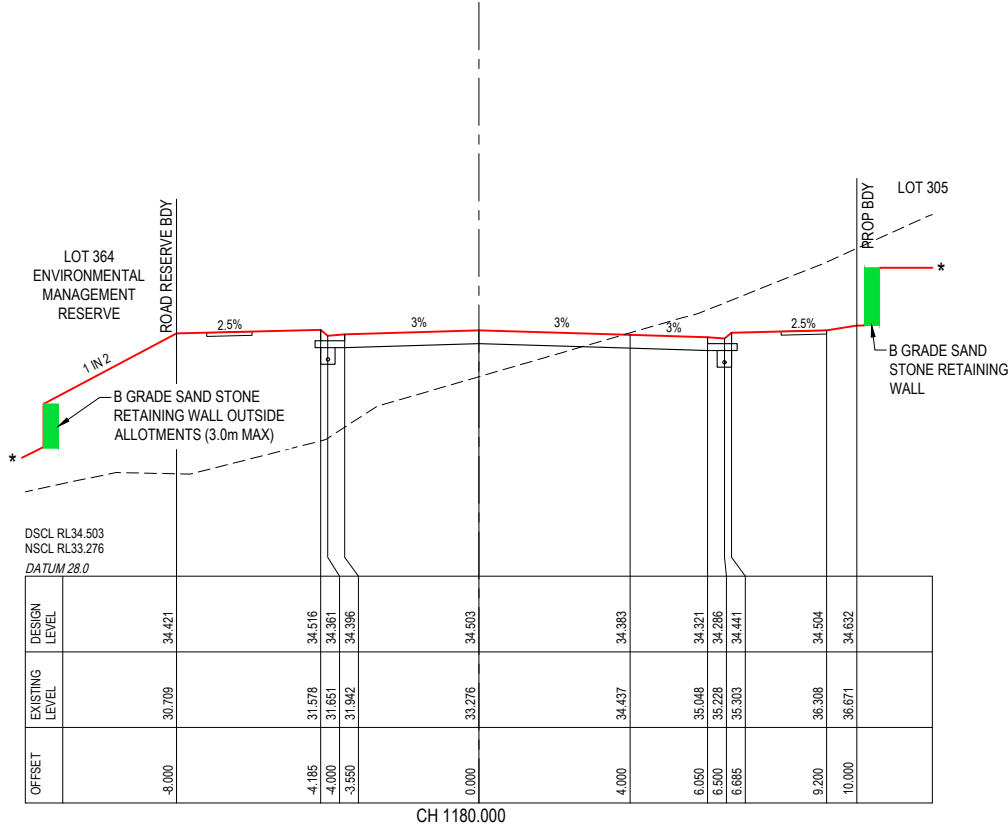
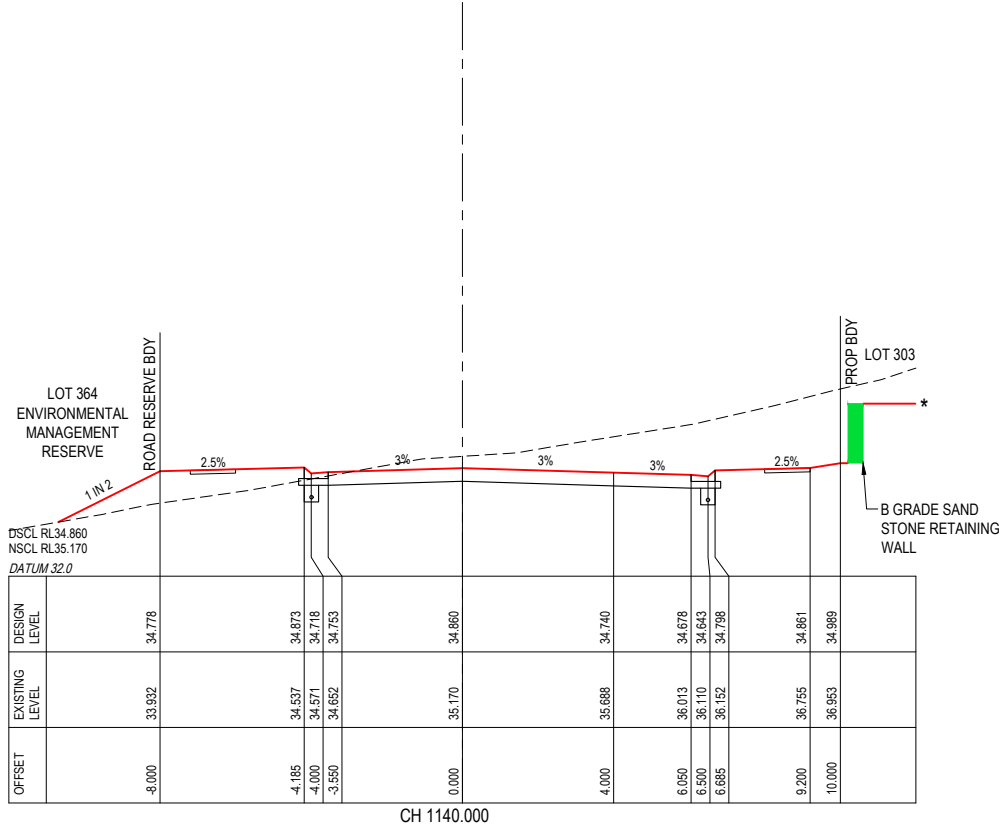
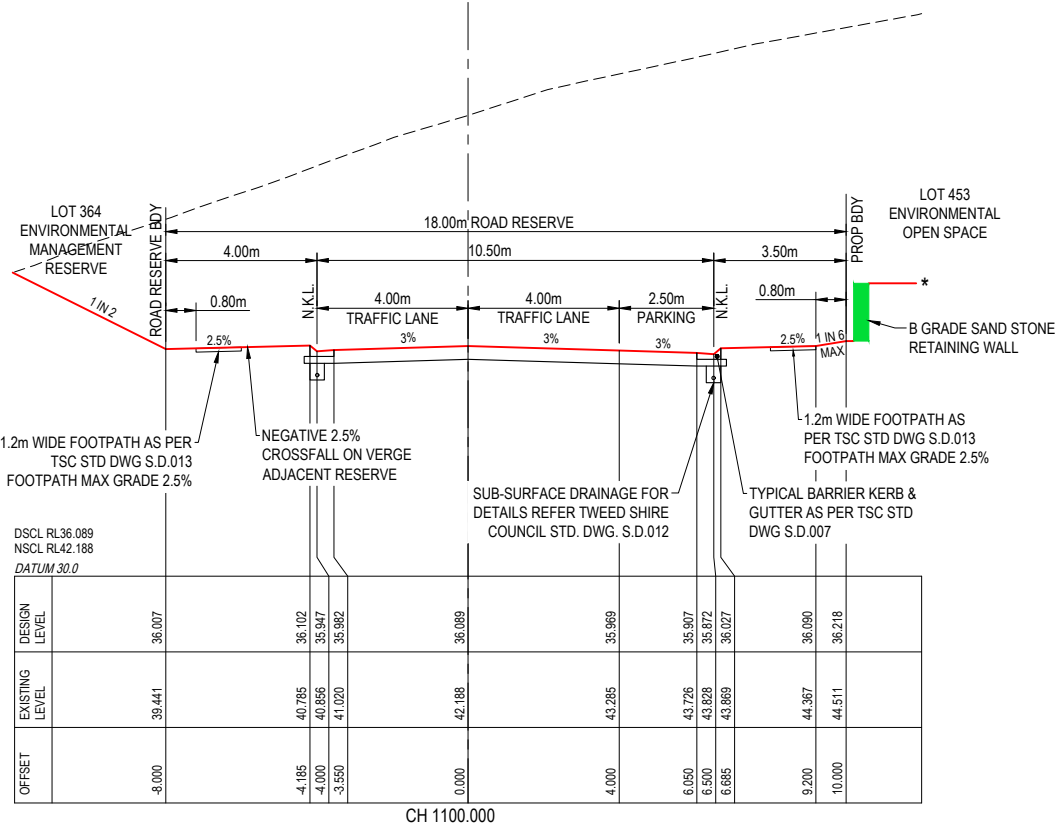
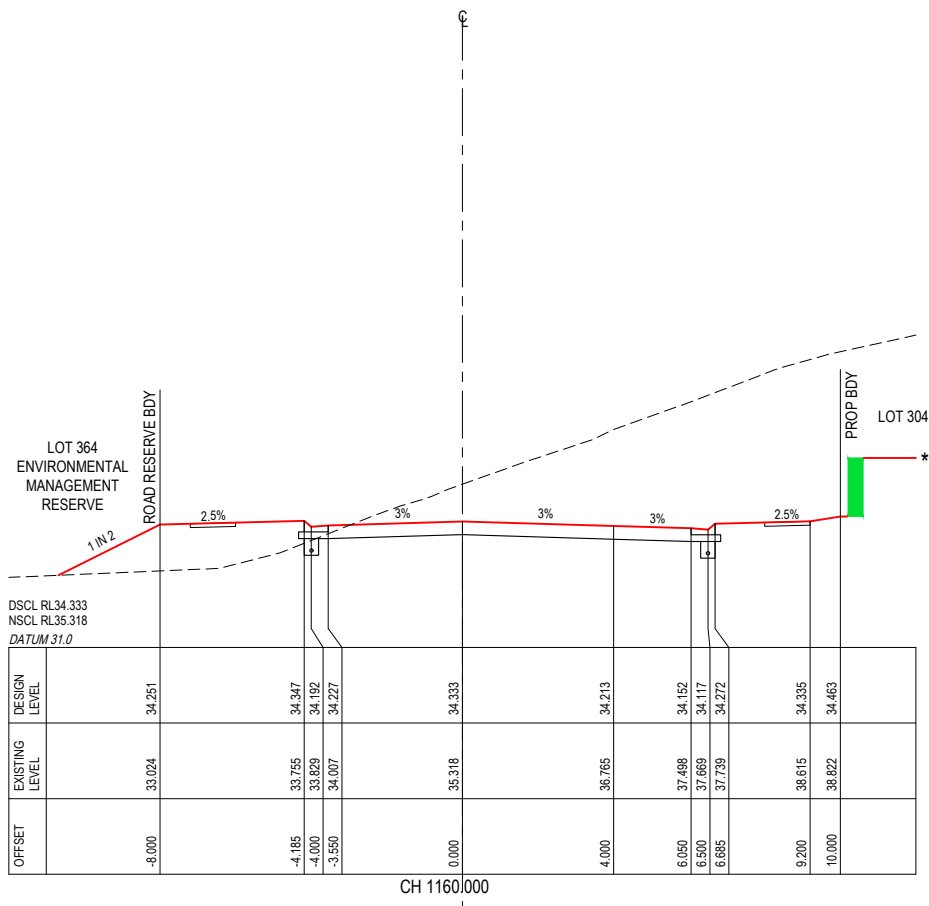
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ROAD 1

* REFER TO EARTHWORKS DWGS FOR LOT GRADING

REV					REVISION DESCRIPTION					DESIGN		DRAWN		DATE		SCALE										ASSOCIATED CONSULTANTS										CIVIL 360 ENGINEERING										PROJECT MANAGEMENT										CLIENT										PROJECT										DRAWING TITLE									
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																1 : 1000 HORIZ. 10 0 10 20 30 40 50m A1										zone										LAND DEVELOPMENT																				LOT 13 ON DP1264394																													
																1 : 2000 HORIZ. 10 0 10 20 30 40 50m A3										zone																																																											
																COUNCIL										zone																																																											
																TWEED SHIRE COUNCIL										Landscape Architecture																																																											



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* REFER TO EARTHWORKS DWGS FOR LOT GRADING

SCALE

1 : 200 VERT. 2 0 2 4 6 8 10m A1
1 : 400 VERT.

1 : 1000 HORIZ. 10 0 10 20 30 40 50m A1
1 : 2000 HORIZ. A3

COUNCIL

TWEED SHIRE COUNCIL







CIVIL 360
ENGINEERING

PROJECT MANAGEMENT
CIVIL ENGINEERING
LAND DEVELOPMENT

0406 424 223 / 0423 593 058
info@civil360.com.au

CLIENT	MAHERS LANE DEVELOPMENTS PTY LTD
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PROJECT

NORTH - TERRANORA
HENRY LAWSON DRIVE, TERRANORA
LOT 13 ON DP1264394

DRAWING TITLE

ROAD 1 CROSS SECTIONS
SHEET 8 OF 11

STATUS	ISSUE FOR APPROVAL
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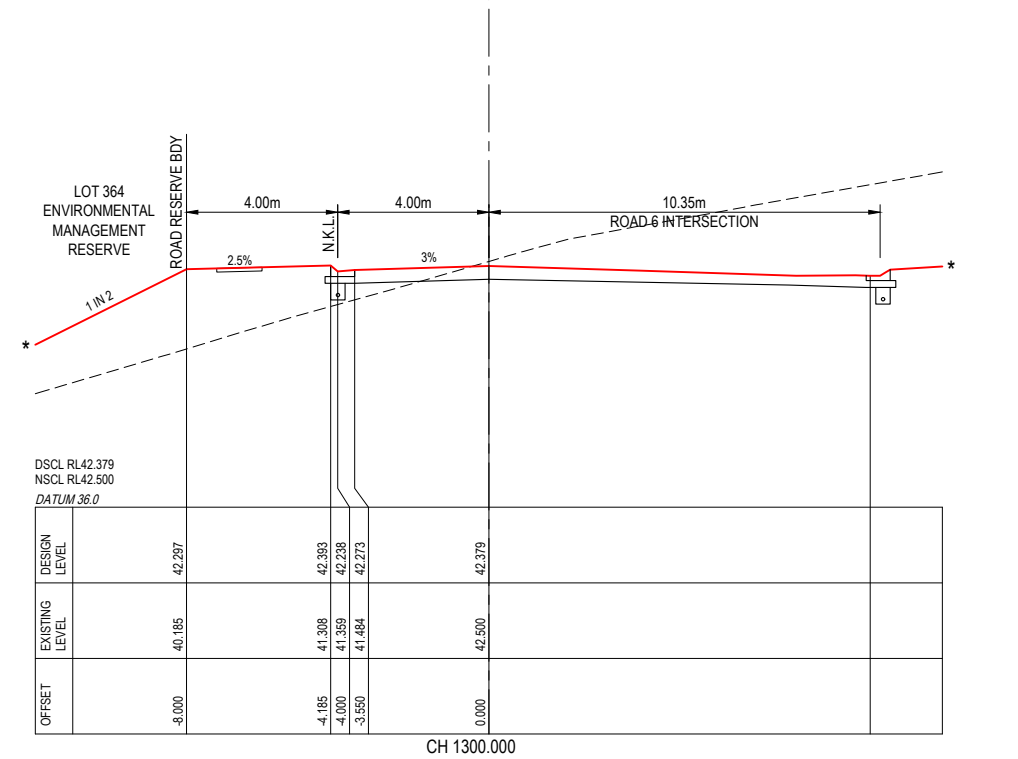
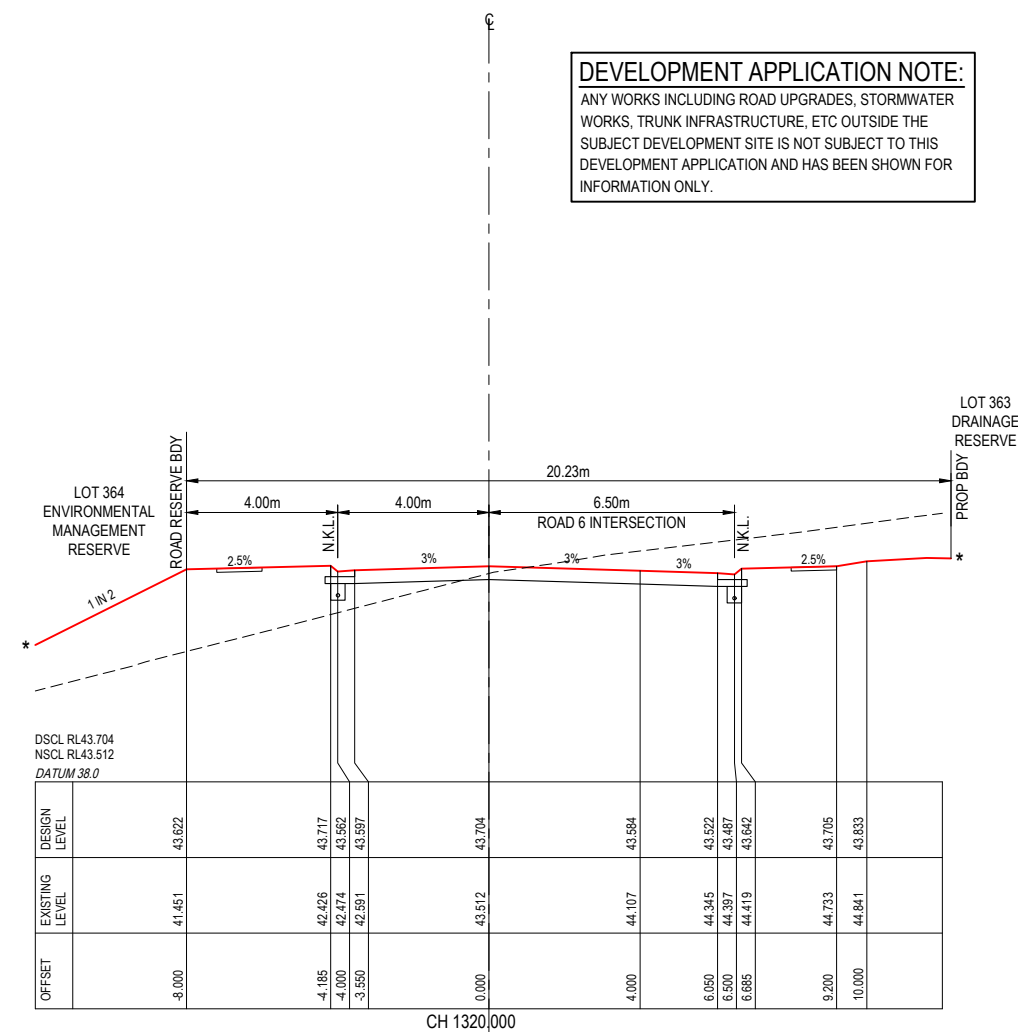
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DRAWING No.
SK337

REVISION

A

Document Set ID: 8250252
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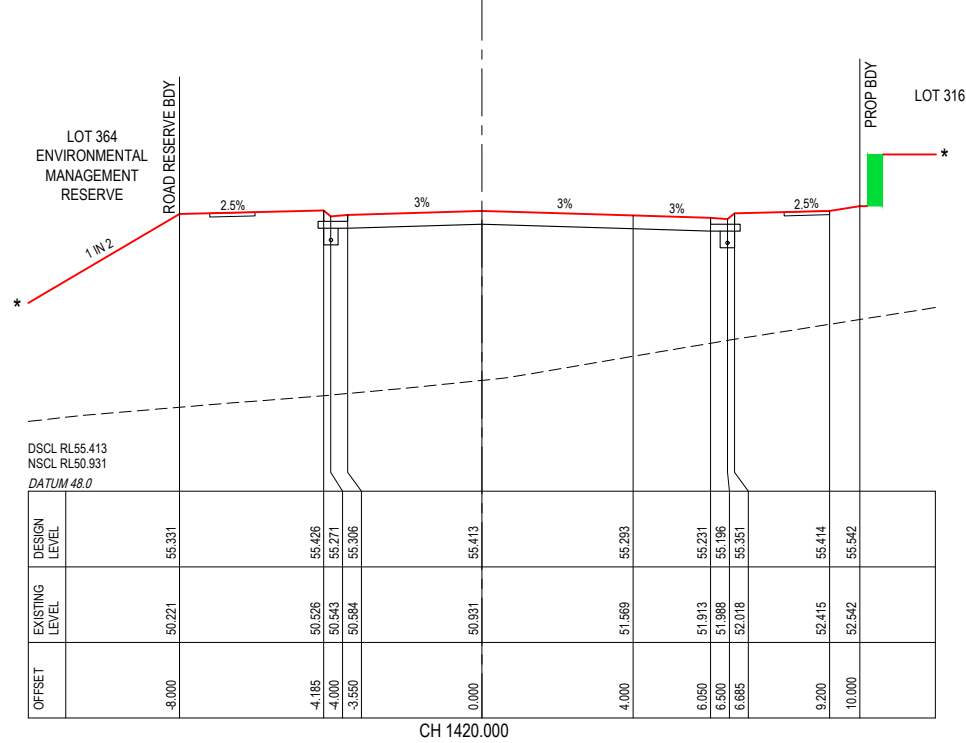
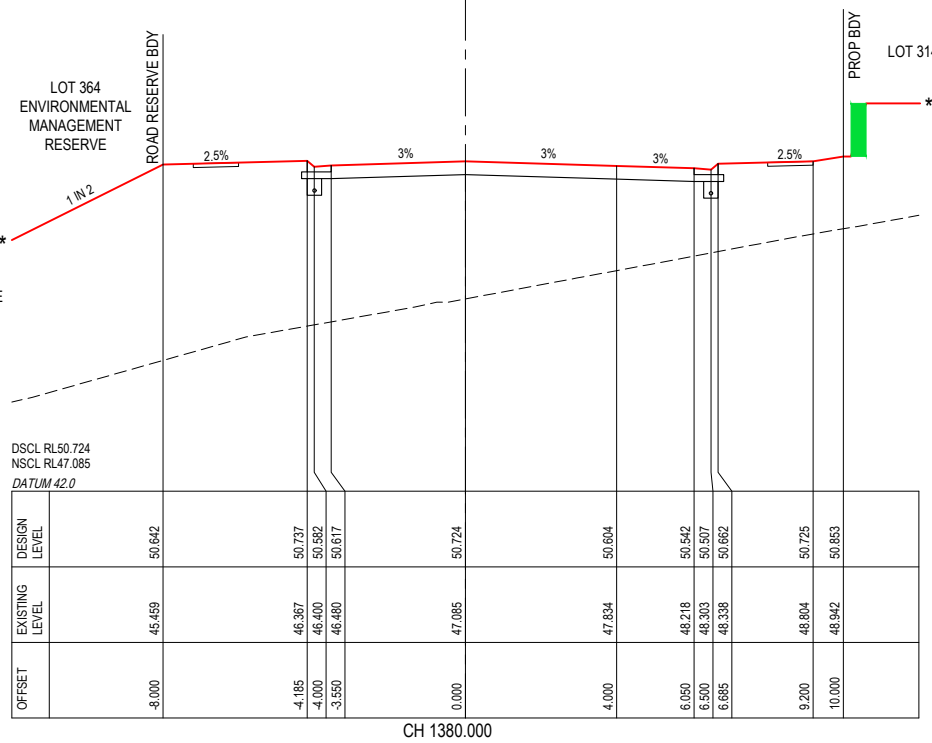
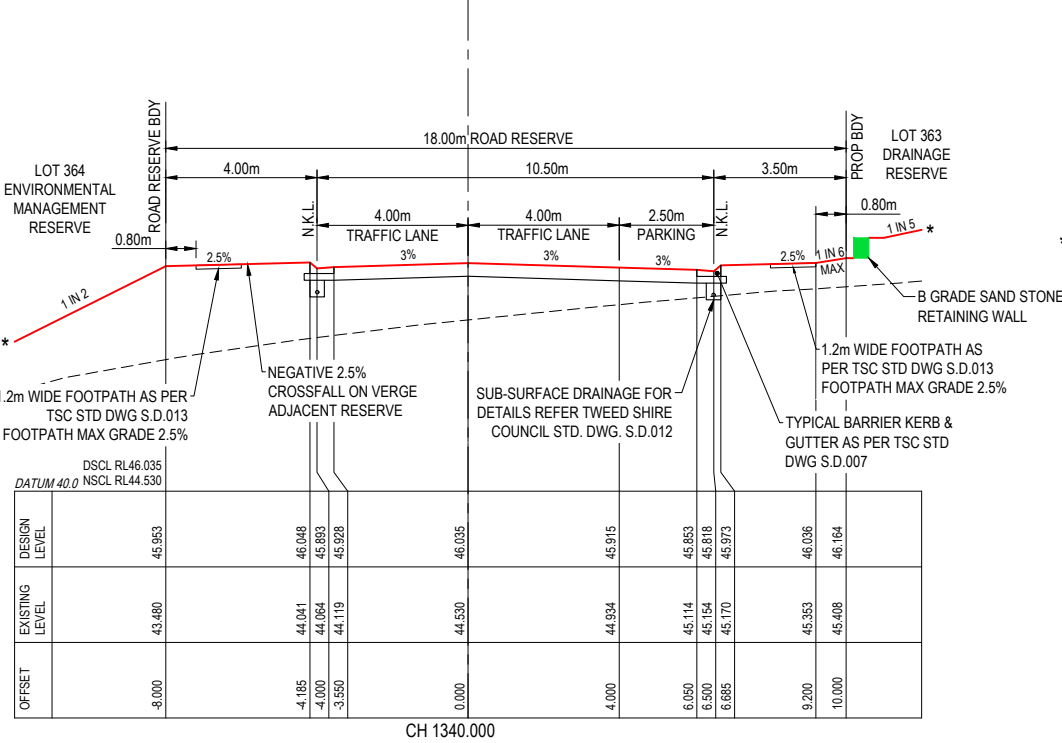
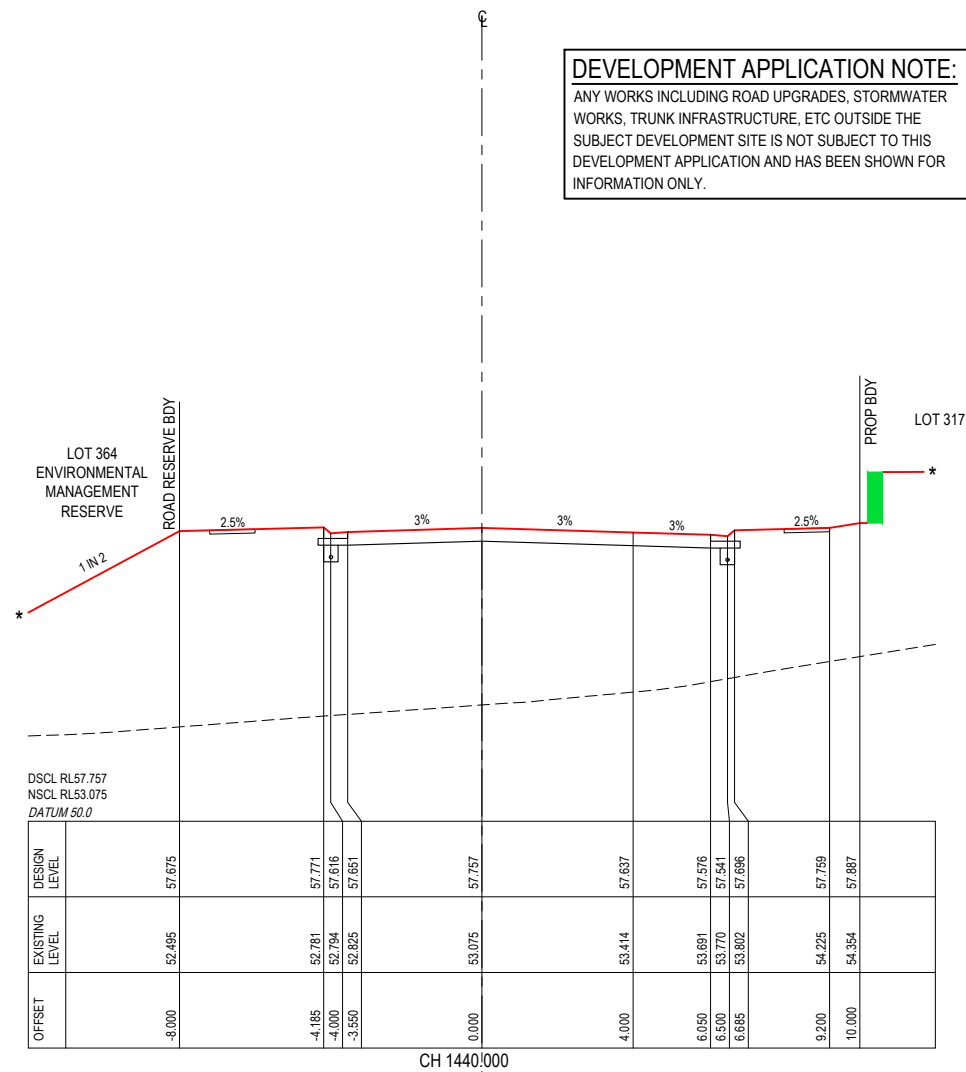
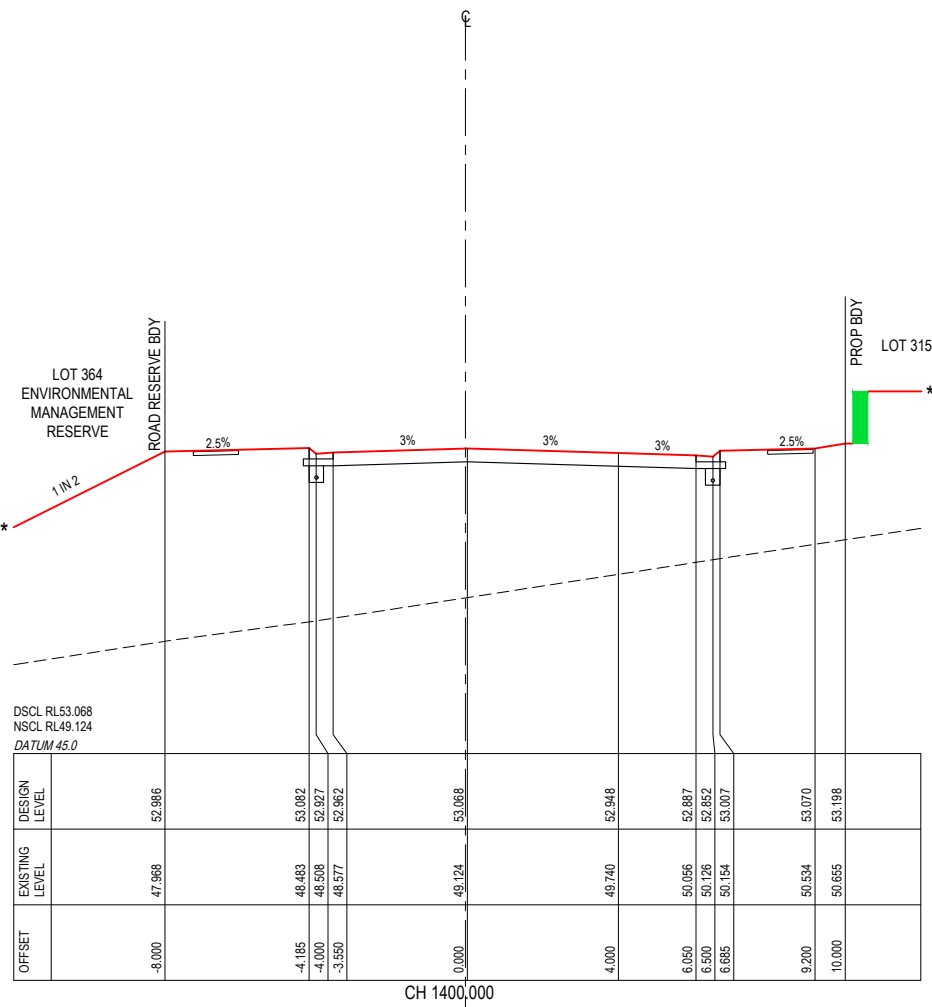
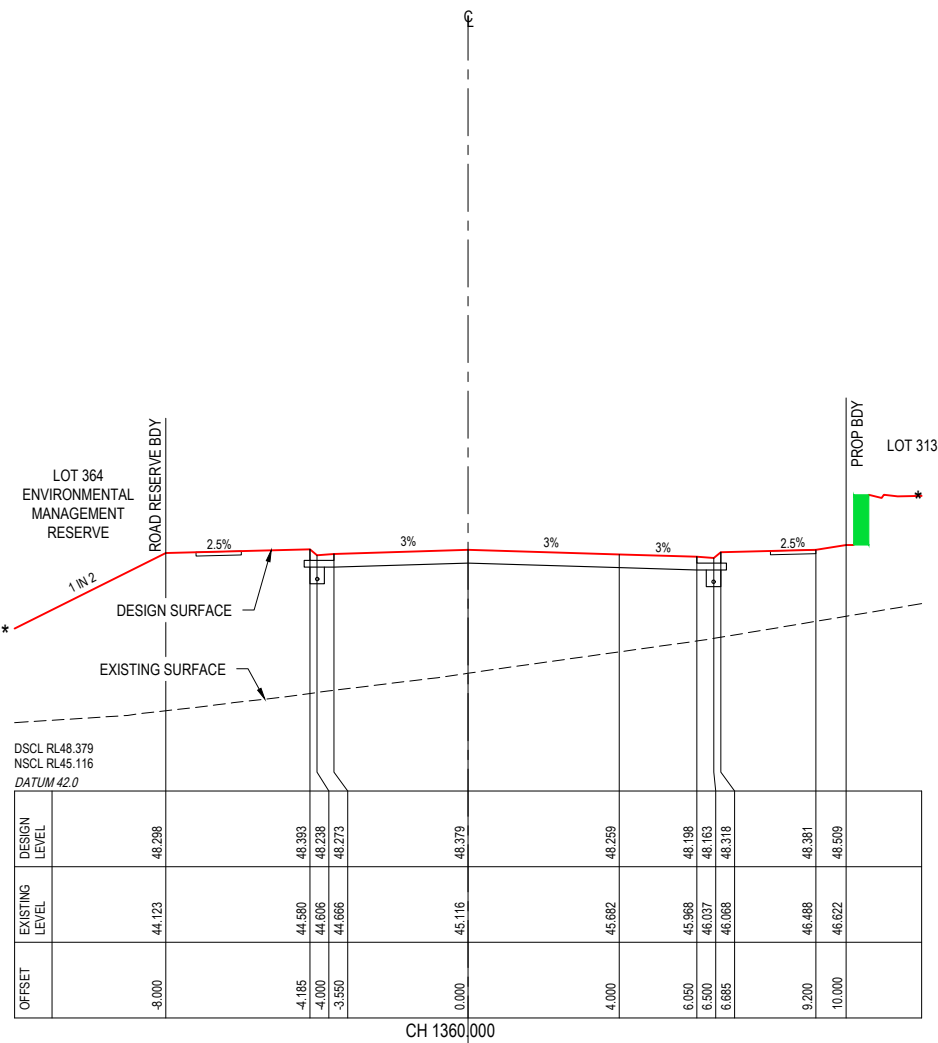
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* REFER TO EARTHWORKS DWGS FOR LOT GRADING

REV		REVISION DESCRIPTION		DESIGN		DRAWN		DATE		SCALE		ASSOCIATED CONSULTANTS		CIVIL 360 ENGINEERING		PROJECT MANAGEMENT		CIVIL ENGINEERING		LAND DEVELOPMENT		CLIENT		PROJECT		DRAWING TITLE	
A		ISSUE FOR APPROVAL		DH		MT		05.12.24		1: 200 VERT. 2 0 2 4 6 8 10m A1		B & P SURVEYS		zone		0406 424 223 / 0423 593 058		MAHERS LANE		DEVELOPMENTS PTY LTD		NORTH - TERRANORA		ROAD 1 CROSS SECTIONS			
										1: 400 VERT. A3		landscape Architecture		info@civil360.com.au								HENRY LAWSON DRIVE, TERRANORA		SHEET 9 OF 11			
																						LOT 13 ON DP1264394					

DEVELOPMENT APPLICATION NOTE:

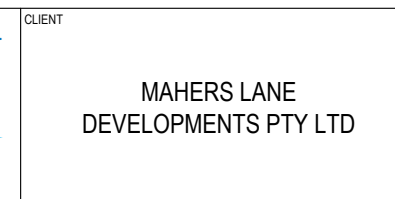
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ROAD 1

* REFER TO EARTHWORKS DWGS FOR LOT GRADING

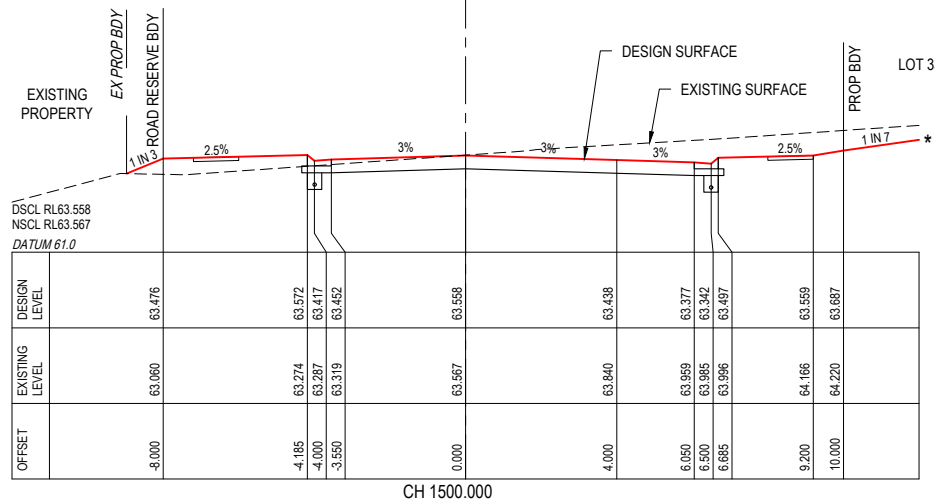
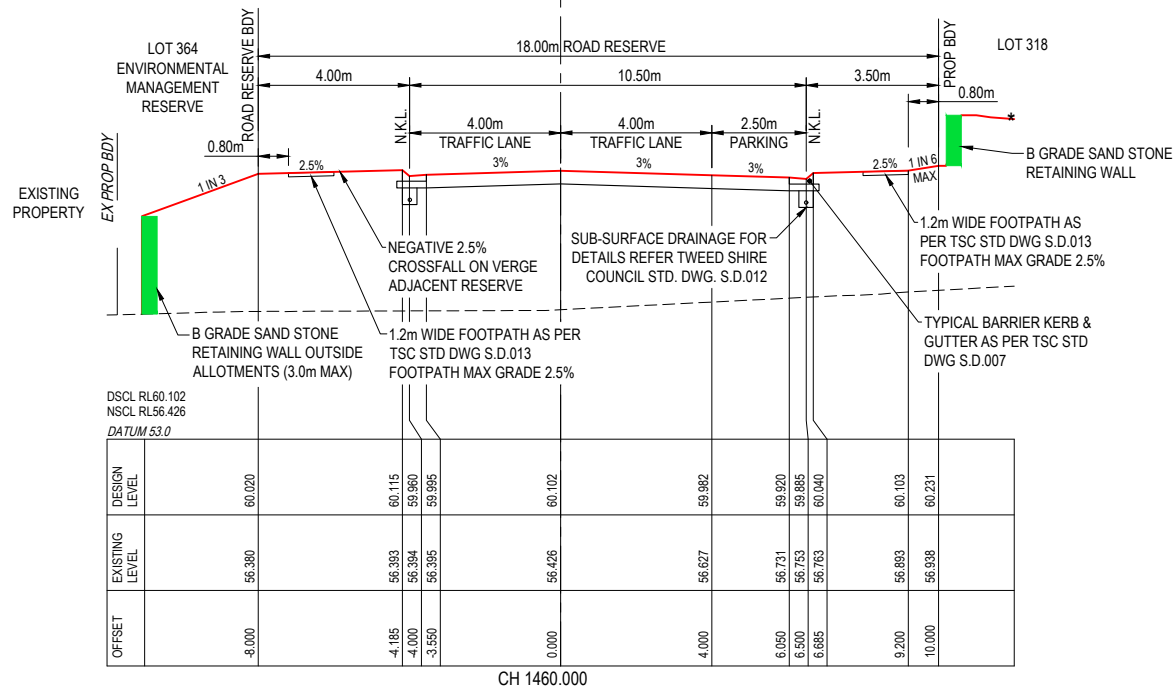
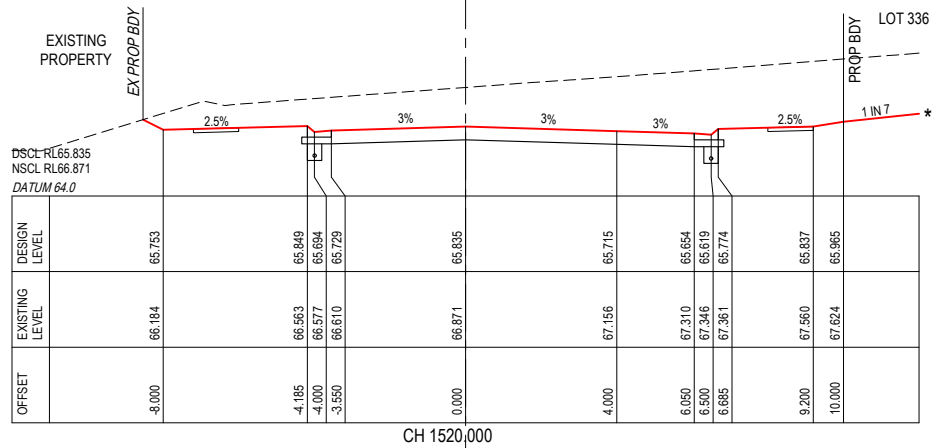
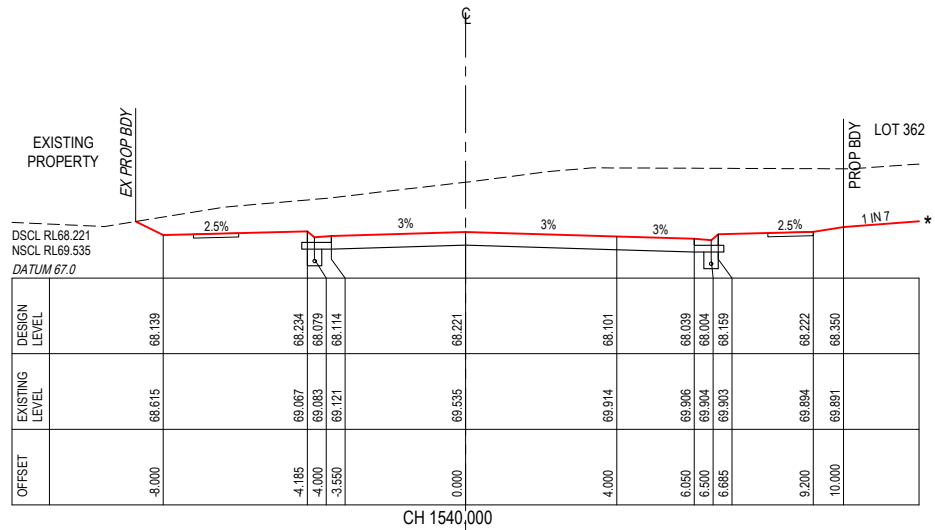
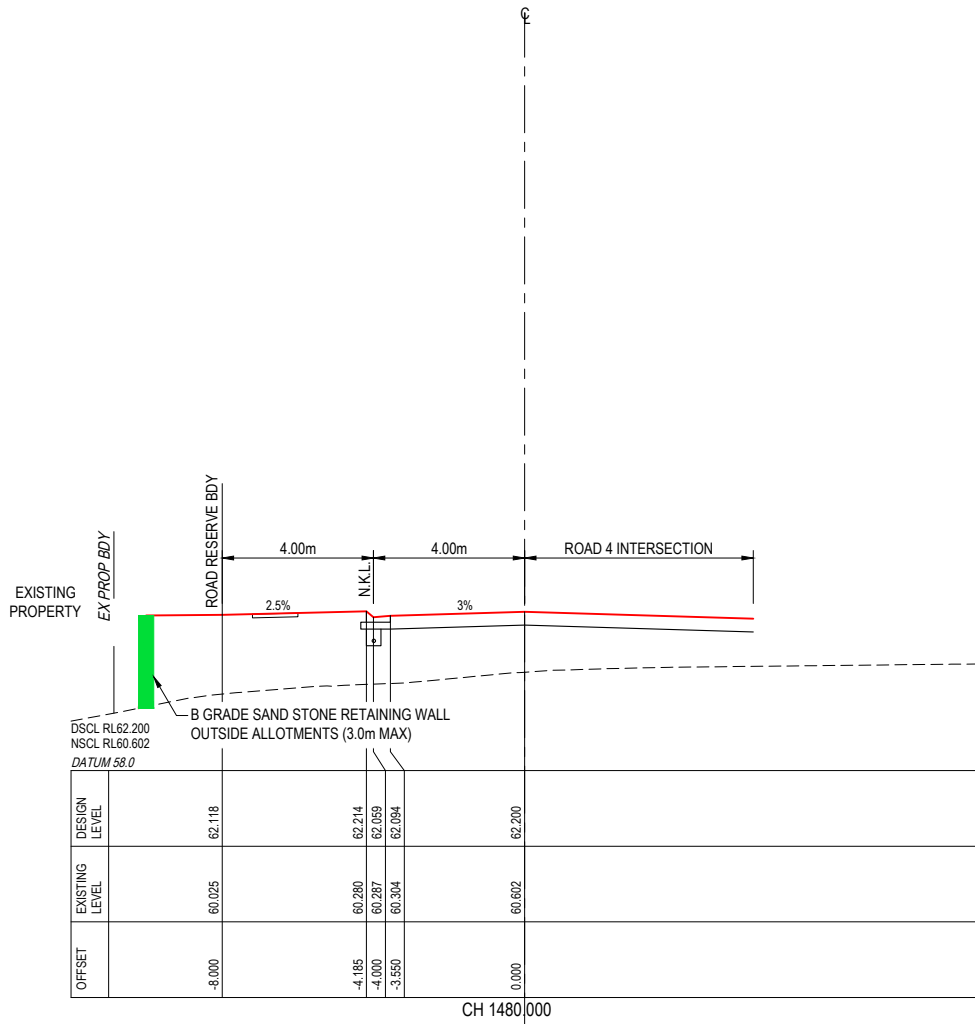
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A	ISSUE FOR APPROVAL	DH	MT	05.12.24	1 : 200 VERT.	0 2 4 6 8 10m A1
					1 : 400 VERT.	A3
					1 : 1000 HORIZ.	10 0 10 20 30 40 50m A1
					1 : 2000 HORIZ.	A3
COUNCIL						TWEED SHIRE COUNCIL



PROJECT	DRAWING TITLE	PROJECT No.	DRAWING No.	REVISION
NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394	ROAD 1 CROSS SECTIONS SHEET 10 OF 11	2023076	SK339	A
STATUS	ISSUE FOR APPROVAL			

DEVELOPMENT APPLICATION NOTE:

ANY WORKS INCLUDING ROAD UPGRADES, STORMWATER WORKS, TRUNK INFRASTRUCTURE, ETC OUTSIDE THE SUBJECT DEVELOPMENT SITE IS NOT SUBJECT TO THIS DEVELOPMENT APPLICATION AND HAS BEEN SHOWN FOR INFORMATION ONLY.

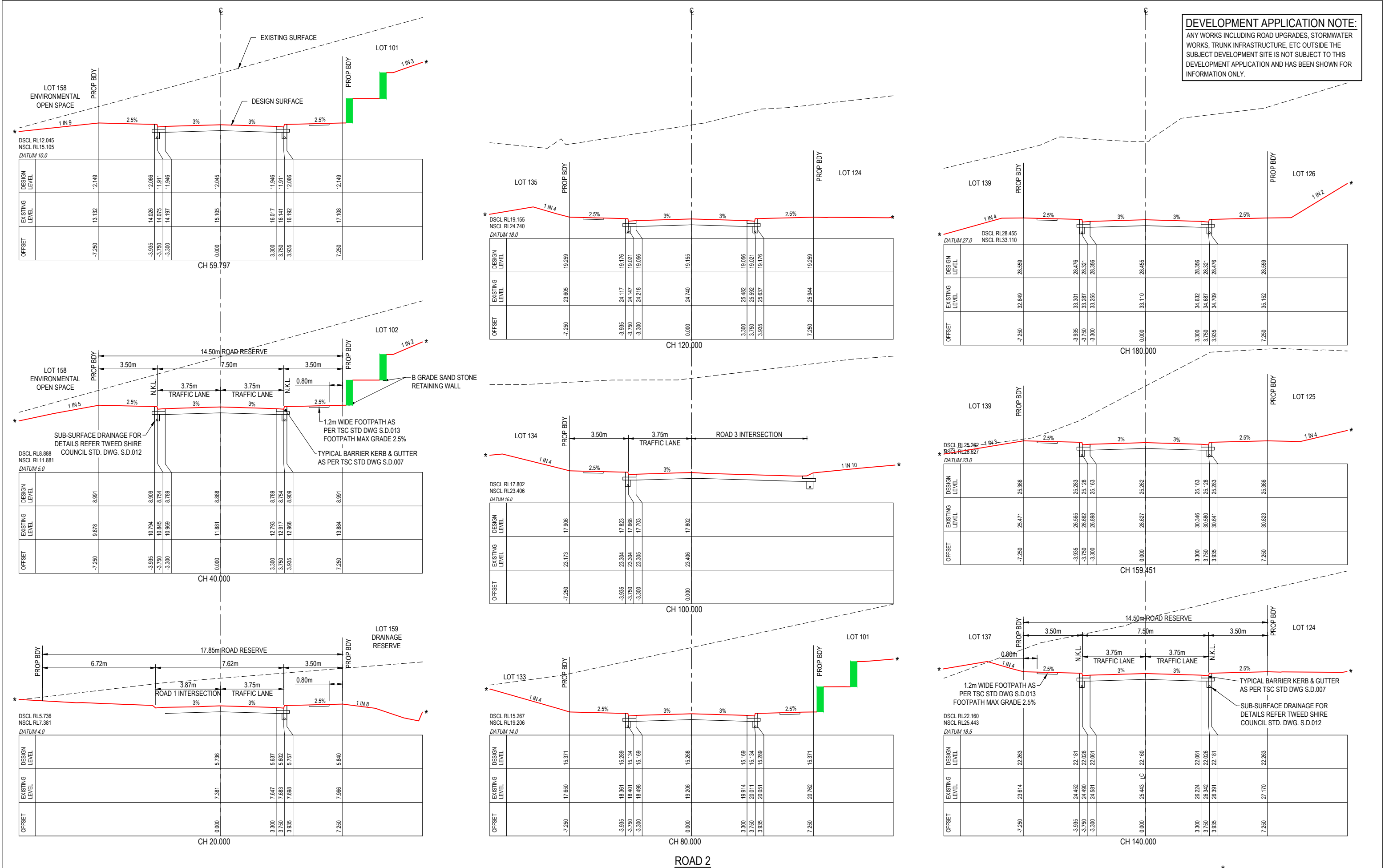


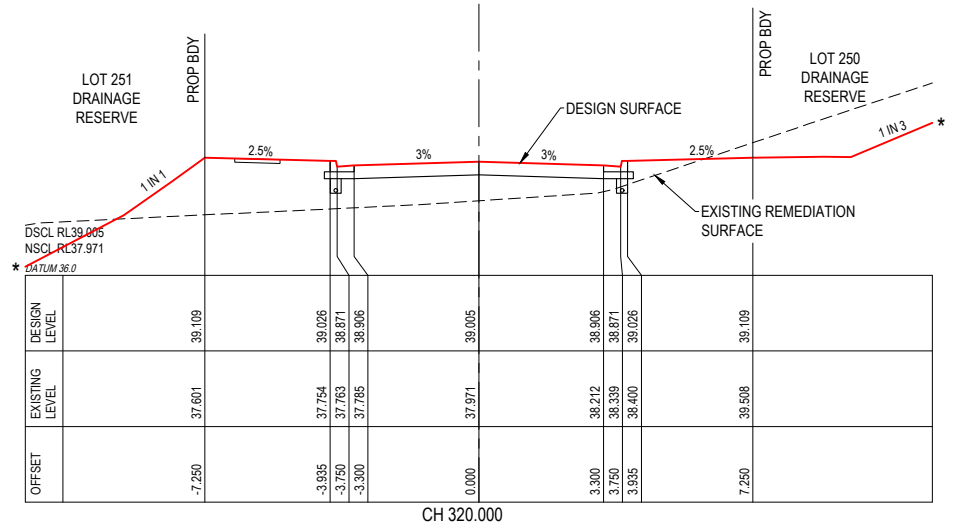
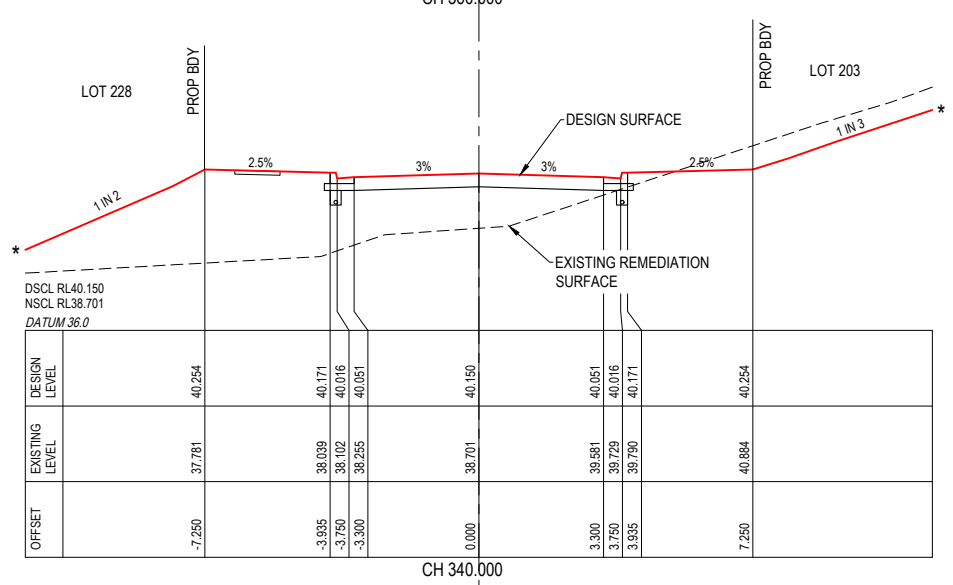
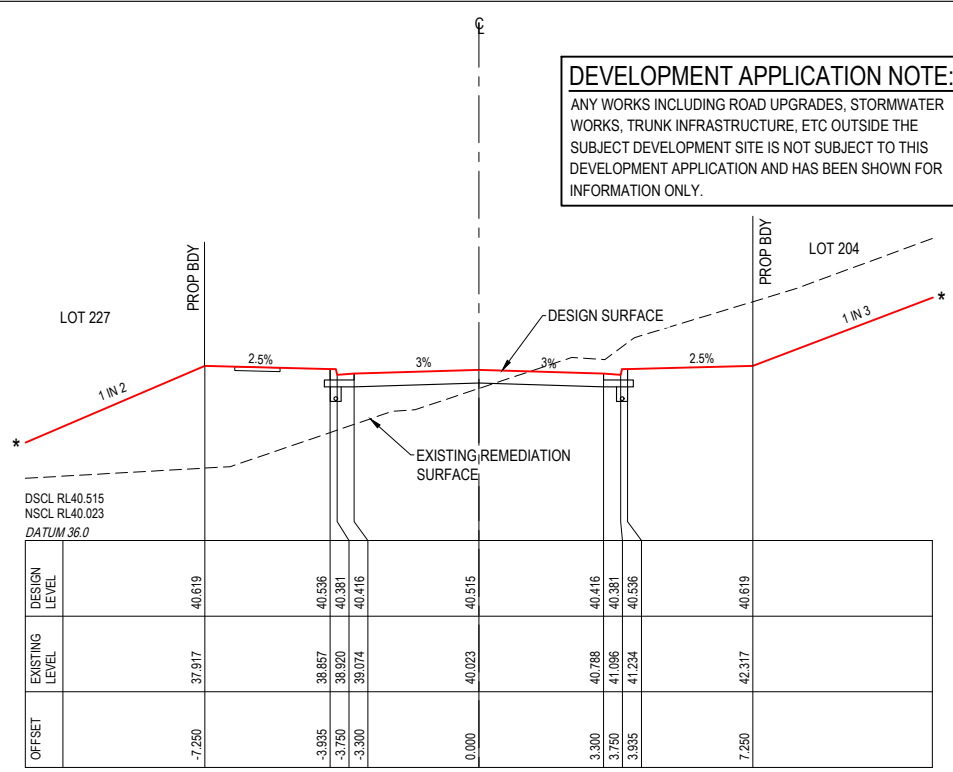
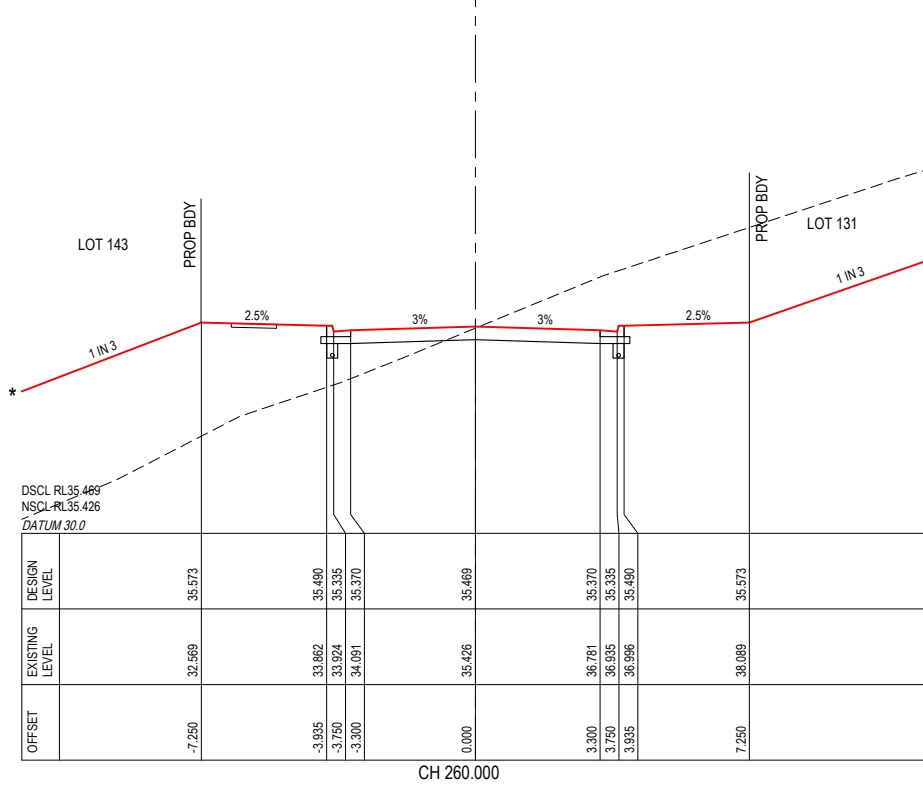
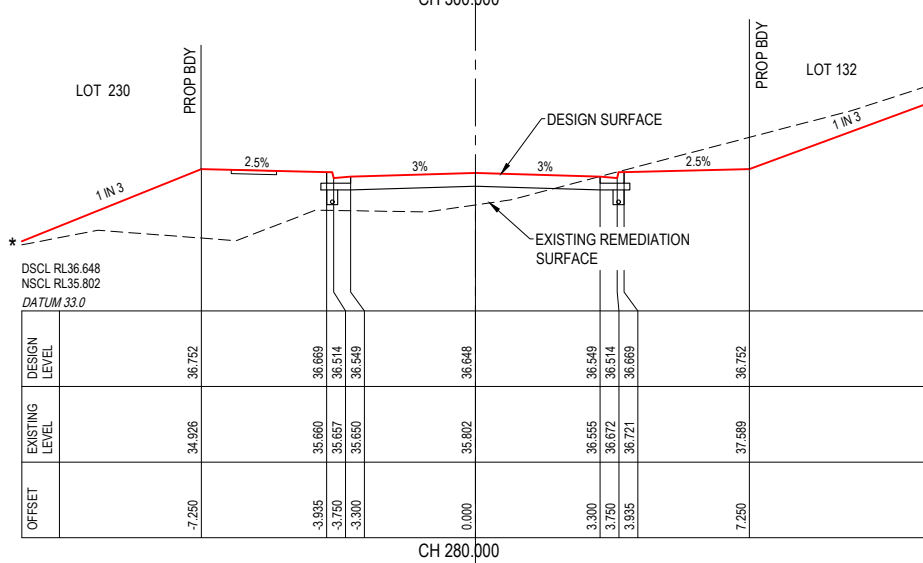
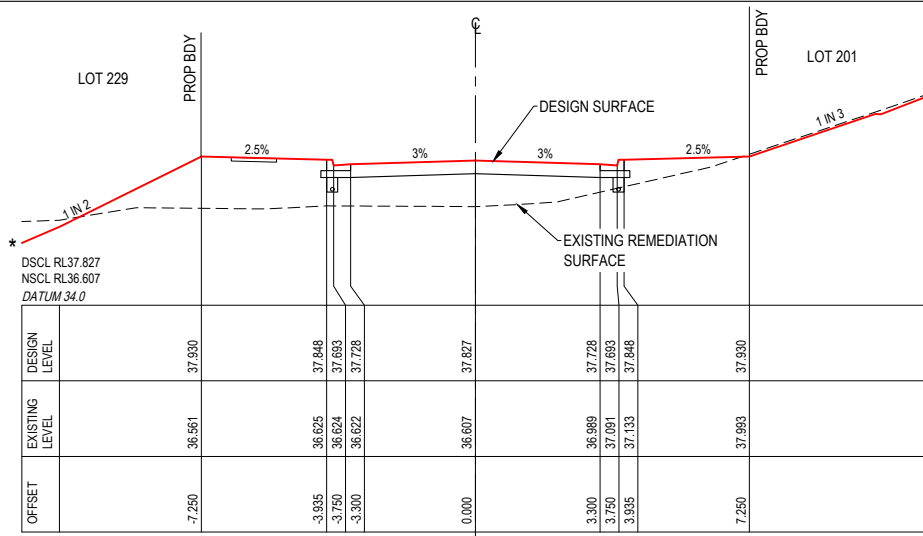
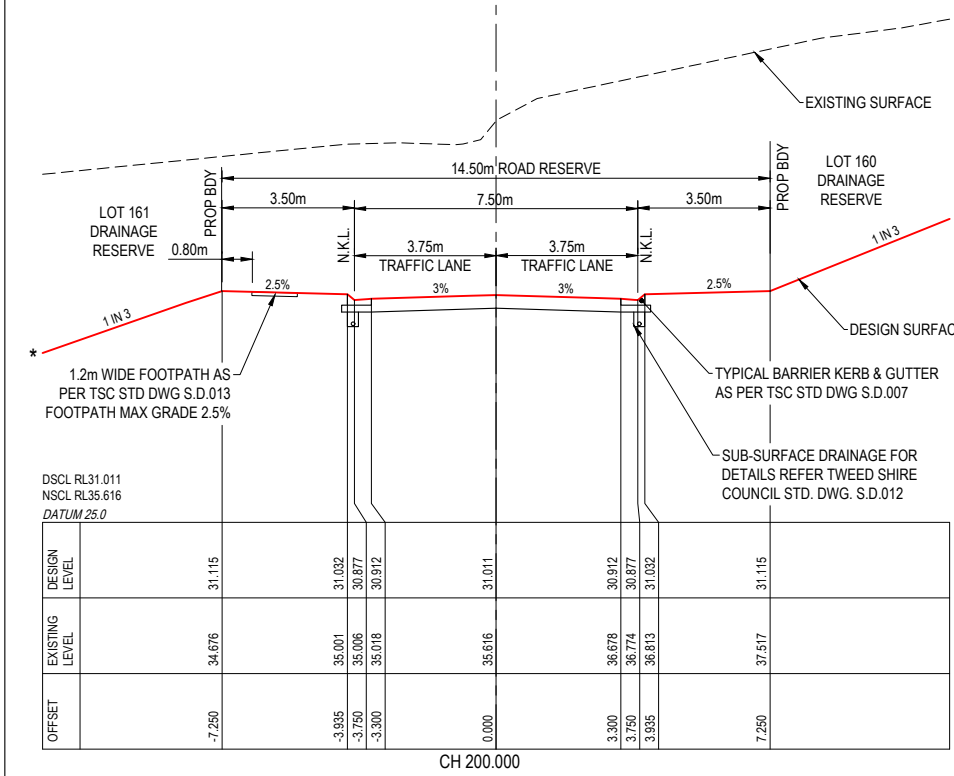
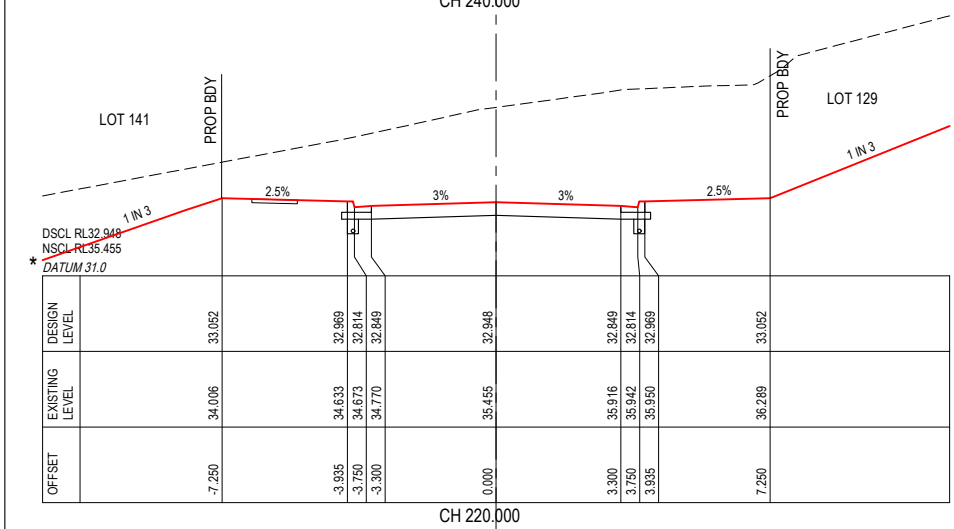
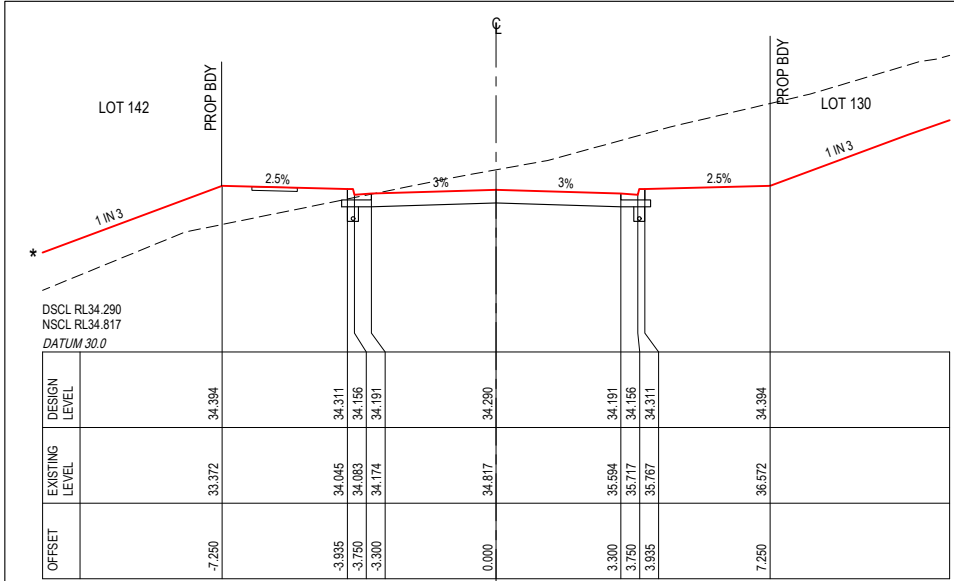
ROAD 1

* REFER TO EARTHWORKS DWGS FOR LOT GRADING

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A	ISSUE FOR APPROVAL	DH	MT	05.12.24	1 : 200 VERT. 2 1 : 400 VERT. 1 : 1000 HORIZ. 10 1 : 2000 HORIZ. 20	zone	PROJECT MANAGEMENT CIVIL ENGINEERING LAND DEVELOPMENT	MAHERS LANE DEVELOPMENTS PTY LTD	NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394	ROAD 1 CROSS SECTIONS SHEET 11 OF 11
						zone	0406 424 223 / 0423 593 058 info@civil360.com.au		STATUS ISSUE FOR APPROVAL	PROJECT No. 2023076
										DRAWING No. SK340
										REVISION A

Document Set ID: 8250252
Version: 1, Version Date: 09/01/2025

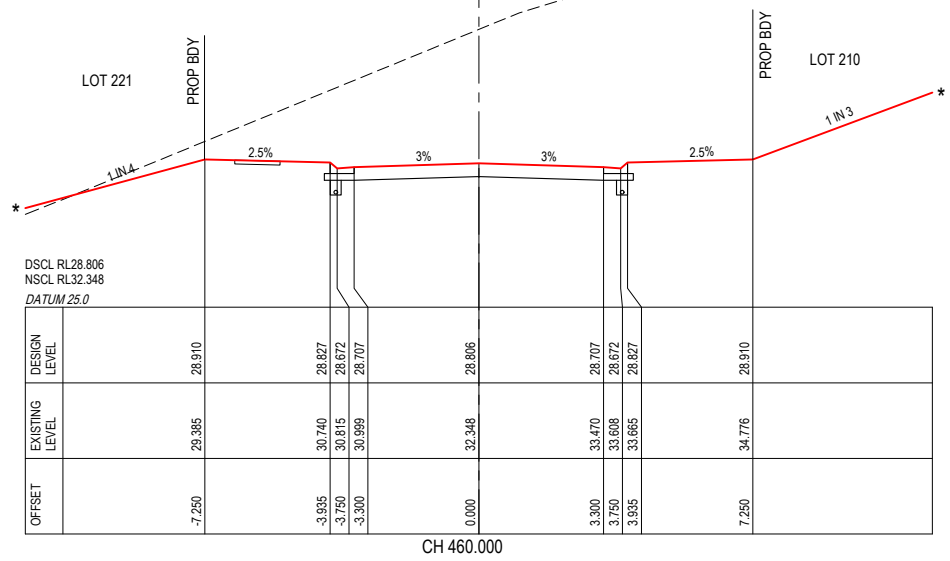
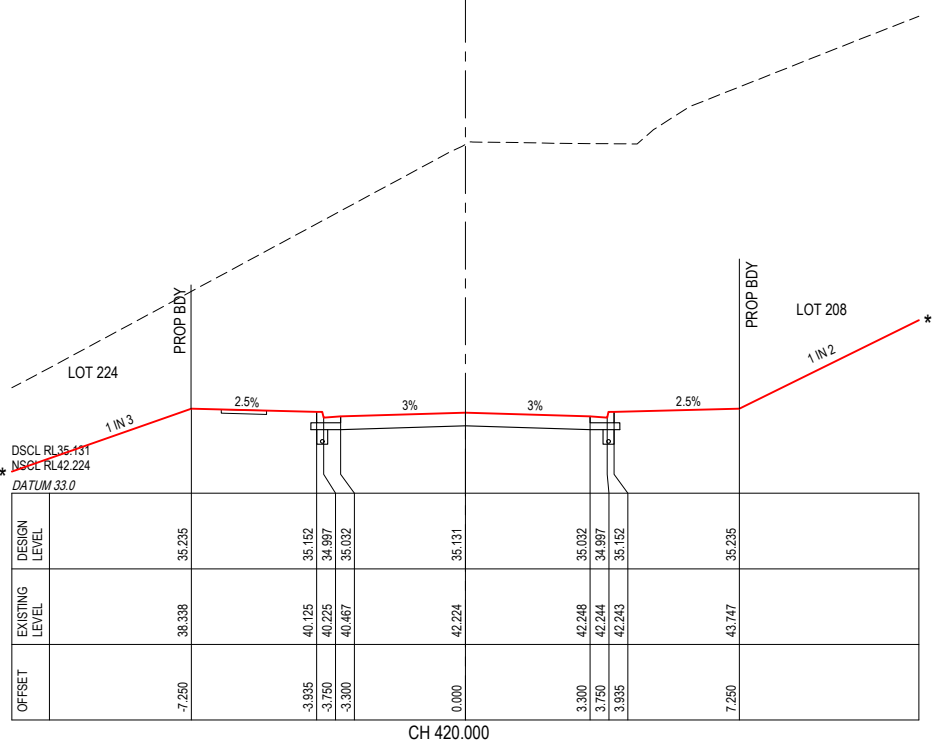
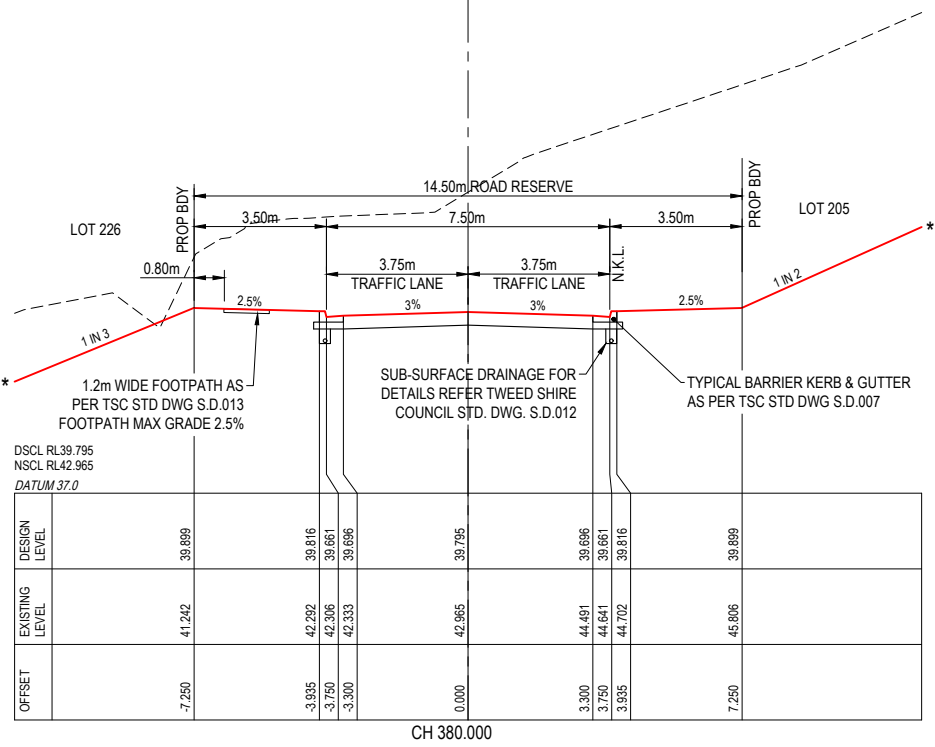
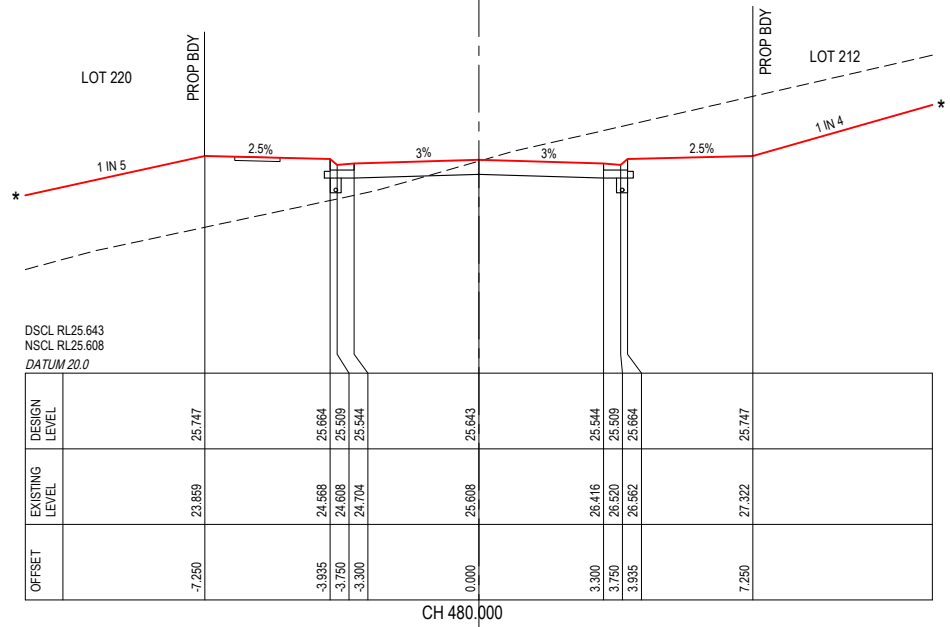
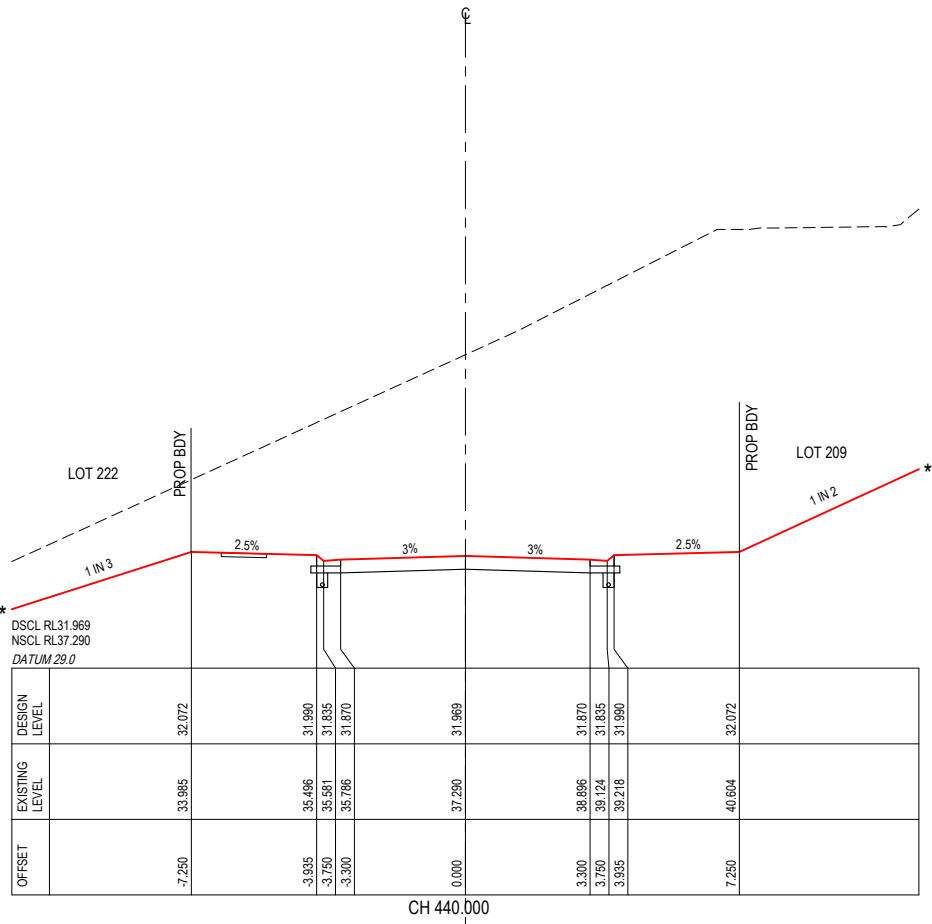
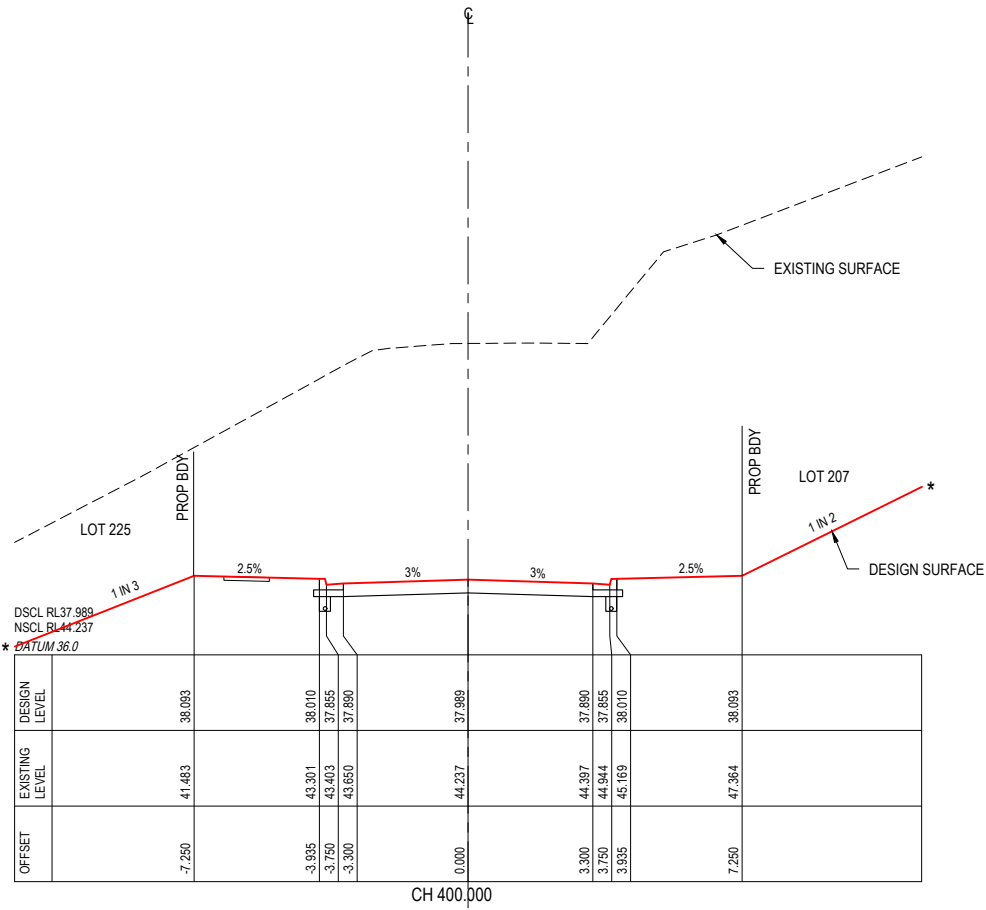




DEVELOPMENT APPLICATION NOTE:
ANY WORKS INCLUDING ROAD UPGRADES, STORMWATER WORKS, TRUNK INFRASTRUCTURE, ETC OUTSIDE THE SUBJECT DEVELOPMENT SITE IS NOT SUBJECT TO THIS DEVELOPMENT APPLICATION AND HAS BEEN SHOWN FOR INFORMATION ONLY.

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ROAD 2

* REFER TO EARTHWORKS DWGS FOR LOT GRADING

REV	REVISION DESCRIPTION	DESIGN	DRAWN	DATE
A	ISSUE FOR APPROVAL	DH	MT	05.12.24

SCALE	1 : 200 VERT.	2	0	2	4	6	8	10m	A1
SCALE	1 : 400 VERT.	2	0	2	4	6	8	10m	A3
SCALE	1 : 1000 HORIZ.	10	0	10	20	30	40	50m	A1
SCALE	1 : 2000 HORIZ.	10	0	10	20	30	40	50m	A3
COUNCIL	TWEED SHIRE COUNCIL								

ASSOCIATED CONSULTANTS
B & P SURVEYS
zone
zone
zone

CIVIL 360 ENGINEERING
PROJECT MANAGEMENT
CIVIL ENGINEERING
LAND DEVELOPMENT
0406 424 223 / 0423 593 058
info@civil360.com.au

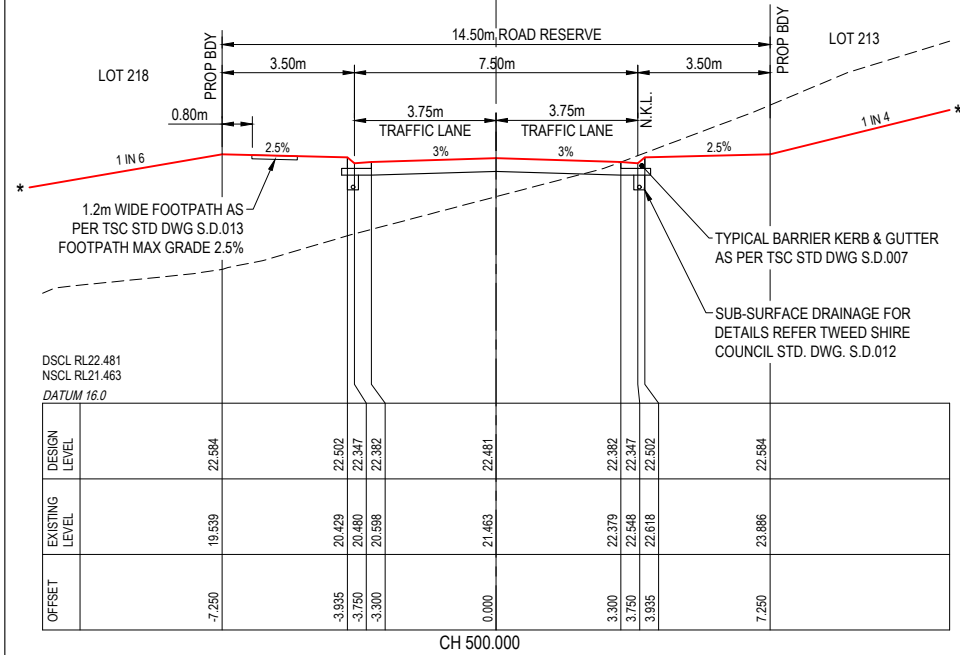
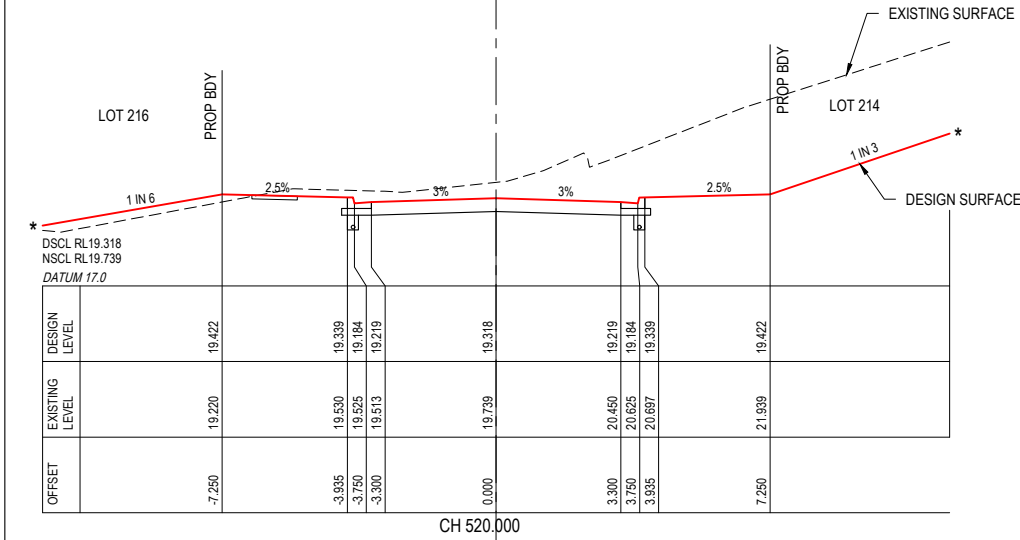
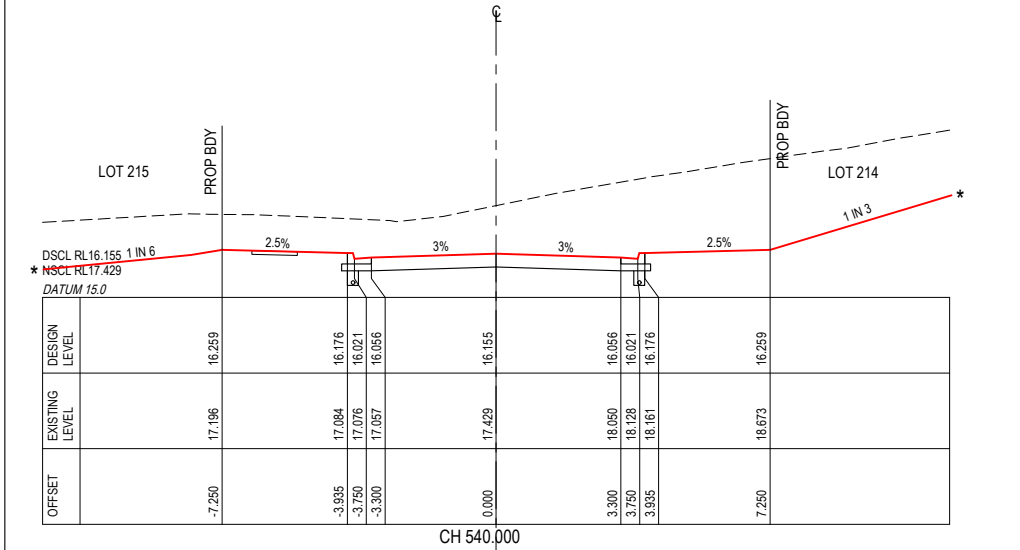
CLIENT
MAHERS LANE DEVELOPMENTS PTY LTD

PROJECT
NORTH - TERRANORA
HENRY LAWSON DRIVE, TERRANORA
LOT 13 ON DP1264394
STATUS
ISSUE FOR APPROVAL

DRAWING TITLE
ROAD 2 CROSS SECTIONS
SHEET 3 OF 4
PROJECT No.
2023076
DRAWING No.
SK343
REVISION
A

DEVELOPMENT APPLICATION NOTE:

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ROAD 2

* REFER TO EARTHWORKS DWGS FOR LOT GRADING

REV	REVISION DESCRIPTION	DESIGN	DRAWN	DATE
A	ISSUE FOR APPROVAL	DH	MT	05.12.24

SCALE
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1 : 400 VERT. A3
1 : 1000 HORIZ. 10 0 10 20 30 40 50m A1
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COUNCIL
TWEED SHIRE COUNCIL

ASSOCIATED CONSULTANTS
B & P SURVEYS CONSULTING SURVEYORS
zone
zone Landscape Architecture

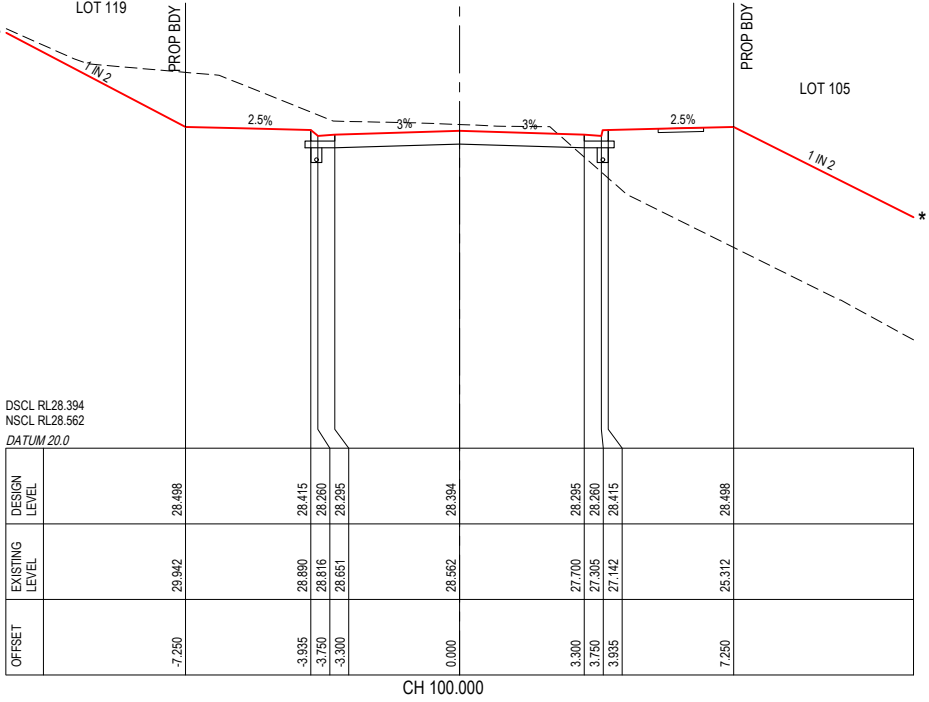
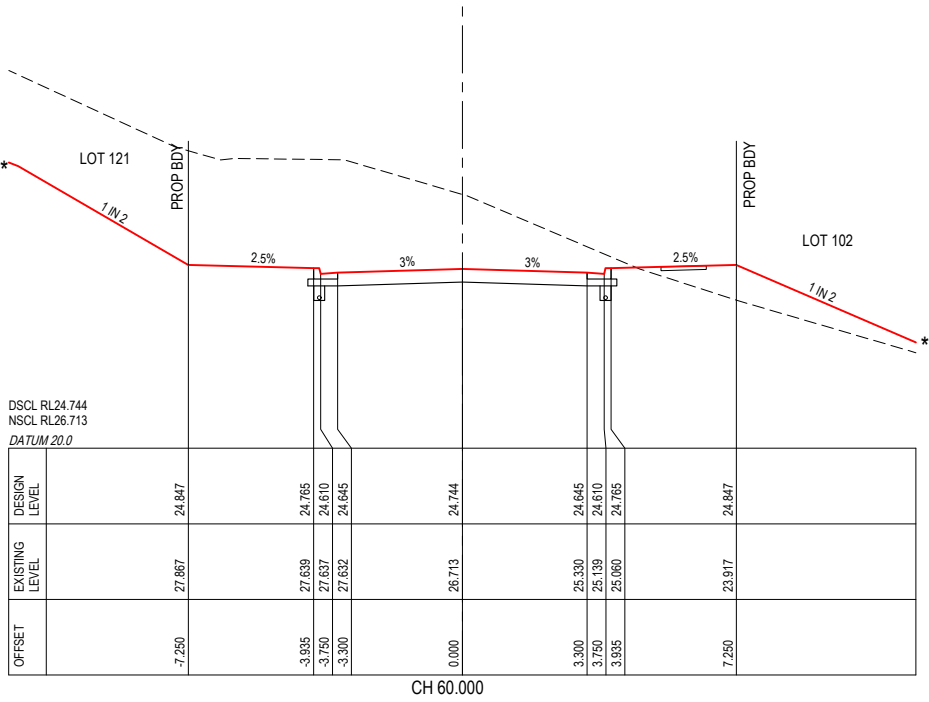
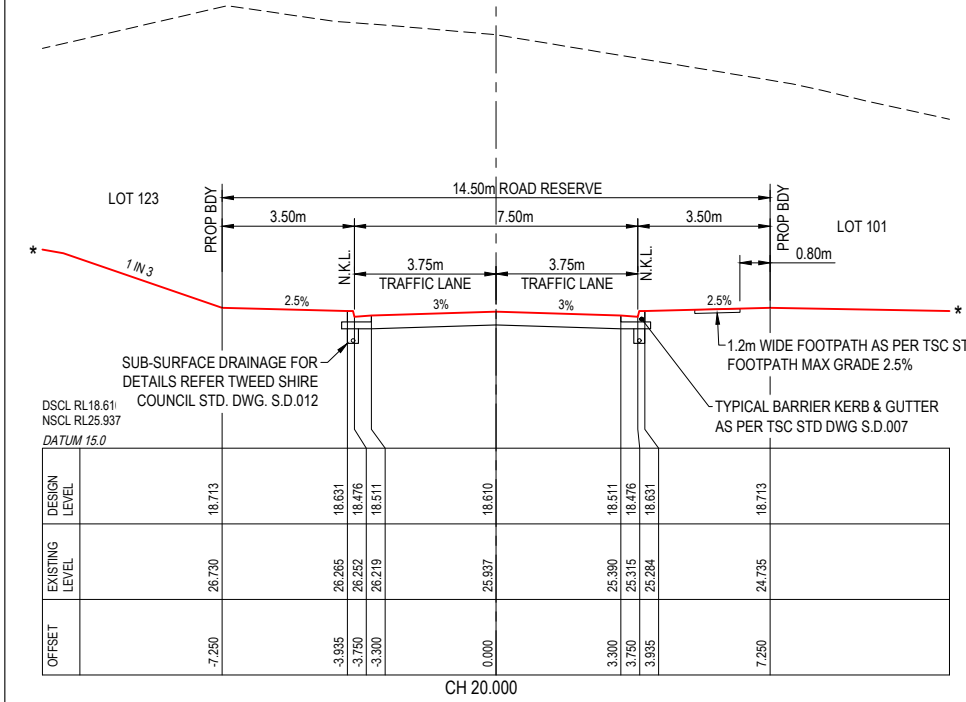
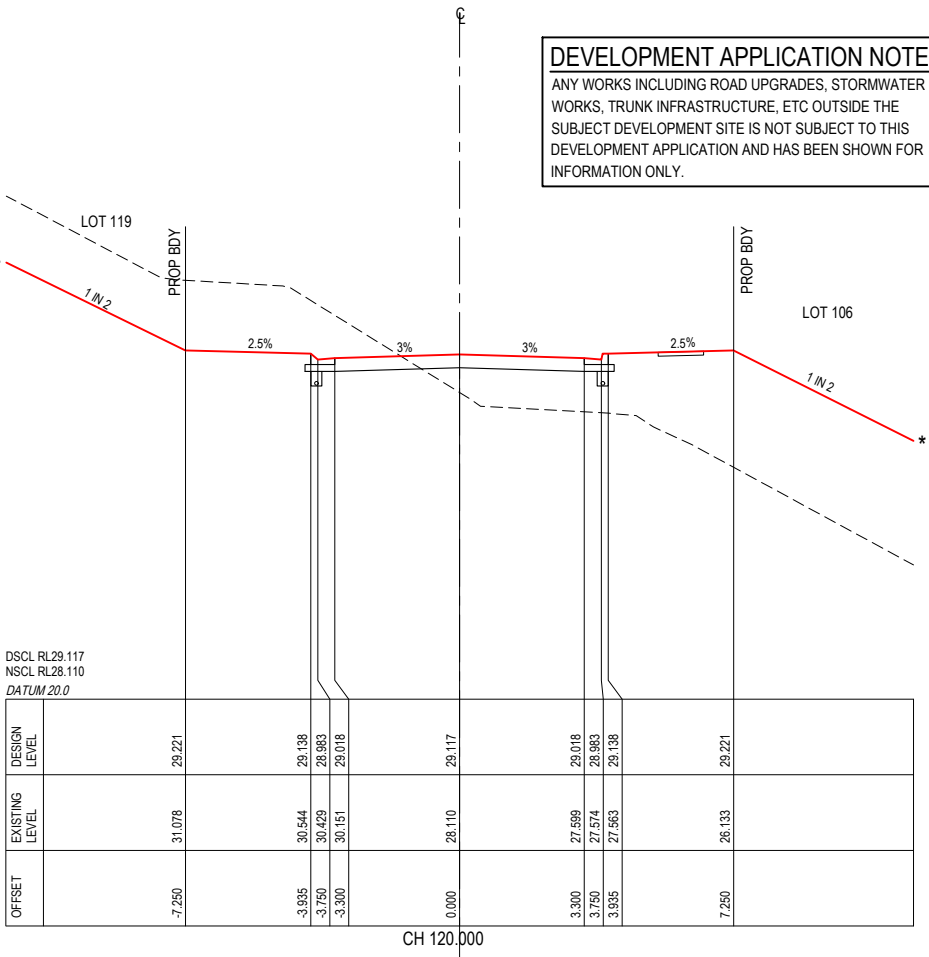
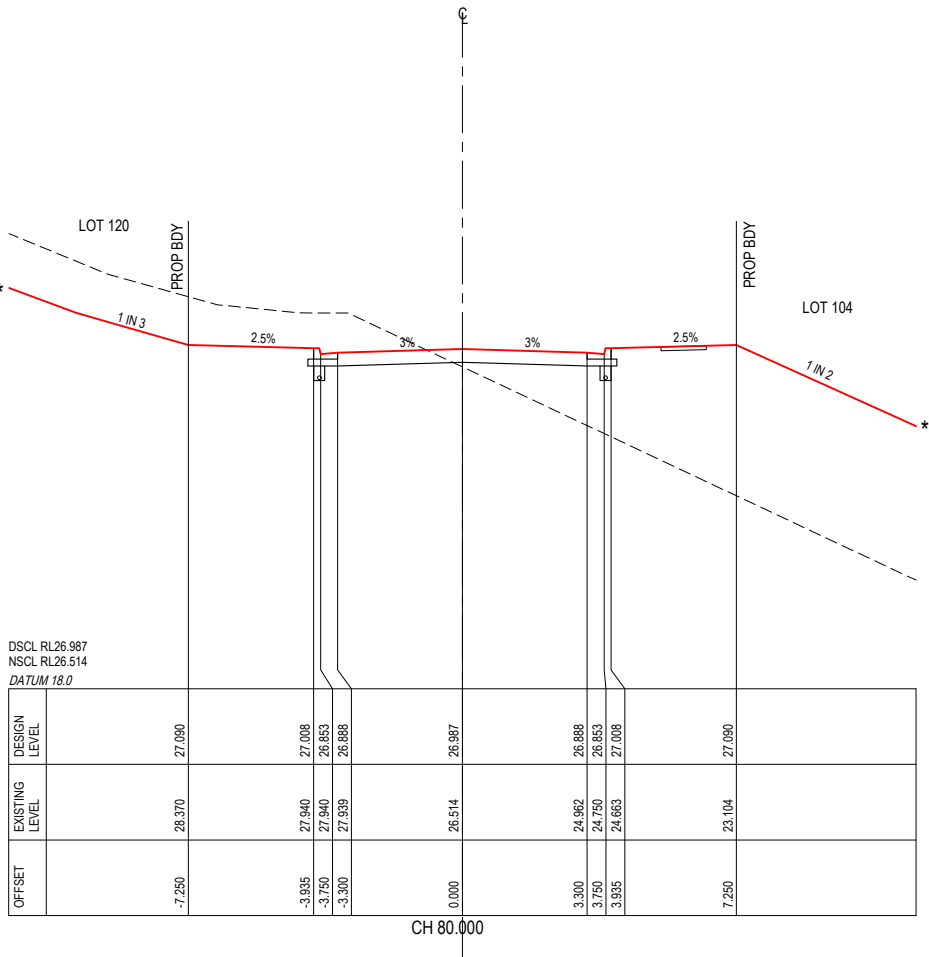
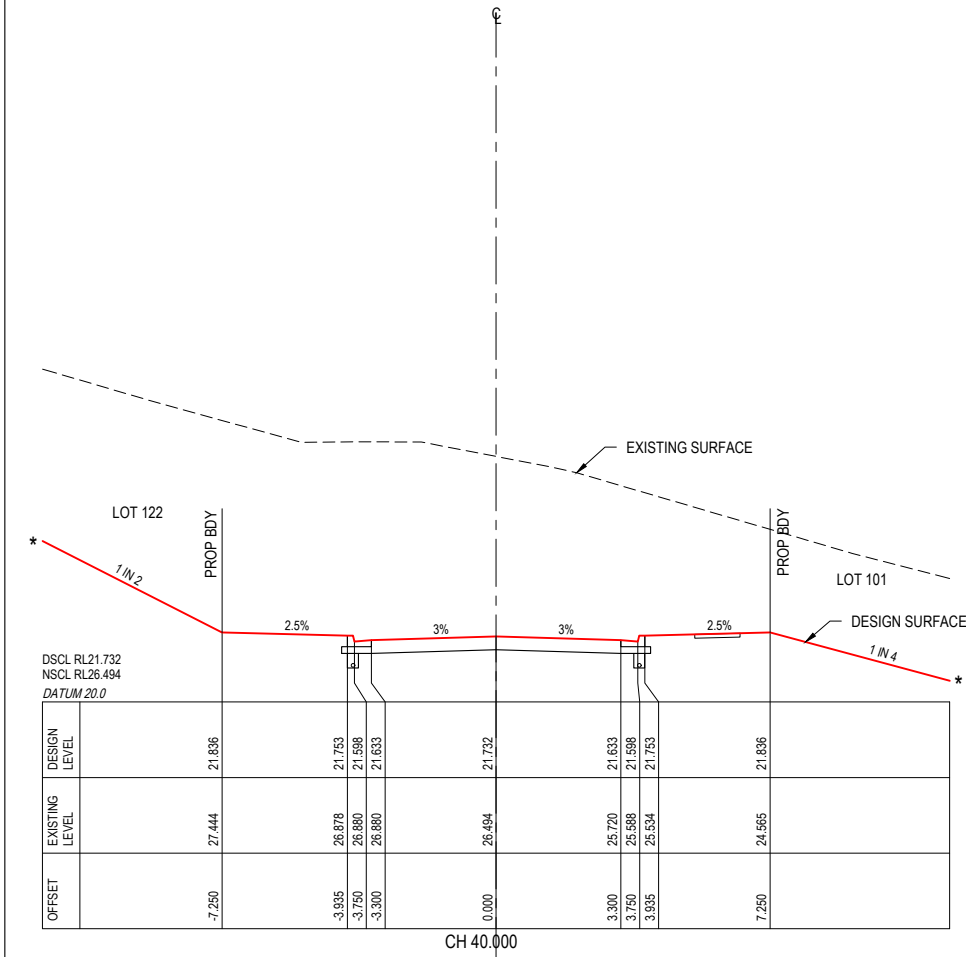
CIVIL 360 ENGINEERING	PROJECT MANAGEMENT CIVIL ENGINEERING LAND DEVELOPMENT
0406 424 223 / 0423 593 058	info@civil360.com.au

CLIENT
MAHERS LANE DEVELOPMENTS PTY LTD

PROJECT
NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394
STATUS
ISSUE FOR APPROVAL

DRAWING TITLE
ROAD 2 CROSS SECTIONS SHEET 4 OF 4
PROJECT No.
2023076
DRAWING No.
SK344
REVISION
A

DEVELOPMENT APPLICATION NOTE:
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* REFER TO EARTHWORKS DWGS FOR LOT GRADING

REV	REVISION DESCRIPTION	DESIGN	DRAWN	DATE
A	ISSUE FOR APPROVAL	DH	MT	05.12.24

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1 : 400 VERT.	2	0 2 4 6 8 10m
1 : 1000 HORIZ.	10	0 10 20 30 40 50m
1 : 2000 HORIZ.	10	0 10 20 30 40 50m
COUNCIL	TWEED SHIRE COUNCIL	

ASSOCIATED CONSULTANTS

B & P SURVEYS

zone

zone

zone

CIVIL 360 ENGINEERING

PROJECT MANAGEMENT

CIVIL ENGINEERING

LAND DEVELOPMENT

0406 424 223 / 0423 593 058

info@civil360.com.au

CLIENT

MAHERS LANE DEVELOPMENTS PTY LTD

PROJECT

NORTH - TERRANORA

HENRY LAWSON DRIVE, TERRANORA

LOT 13 ON DP1264394

STATUS

ISSUE FOR APPROVAL

DRAWING TITLE

ROAD 3 CROSS SECTIONS

SHEET 1 OF 2

PROJECT No.

2023076

DRAWING No.

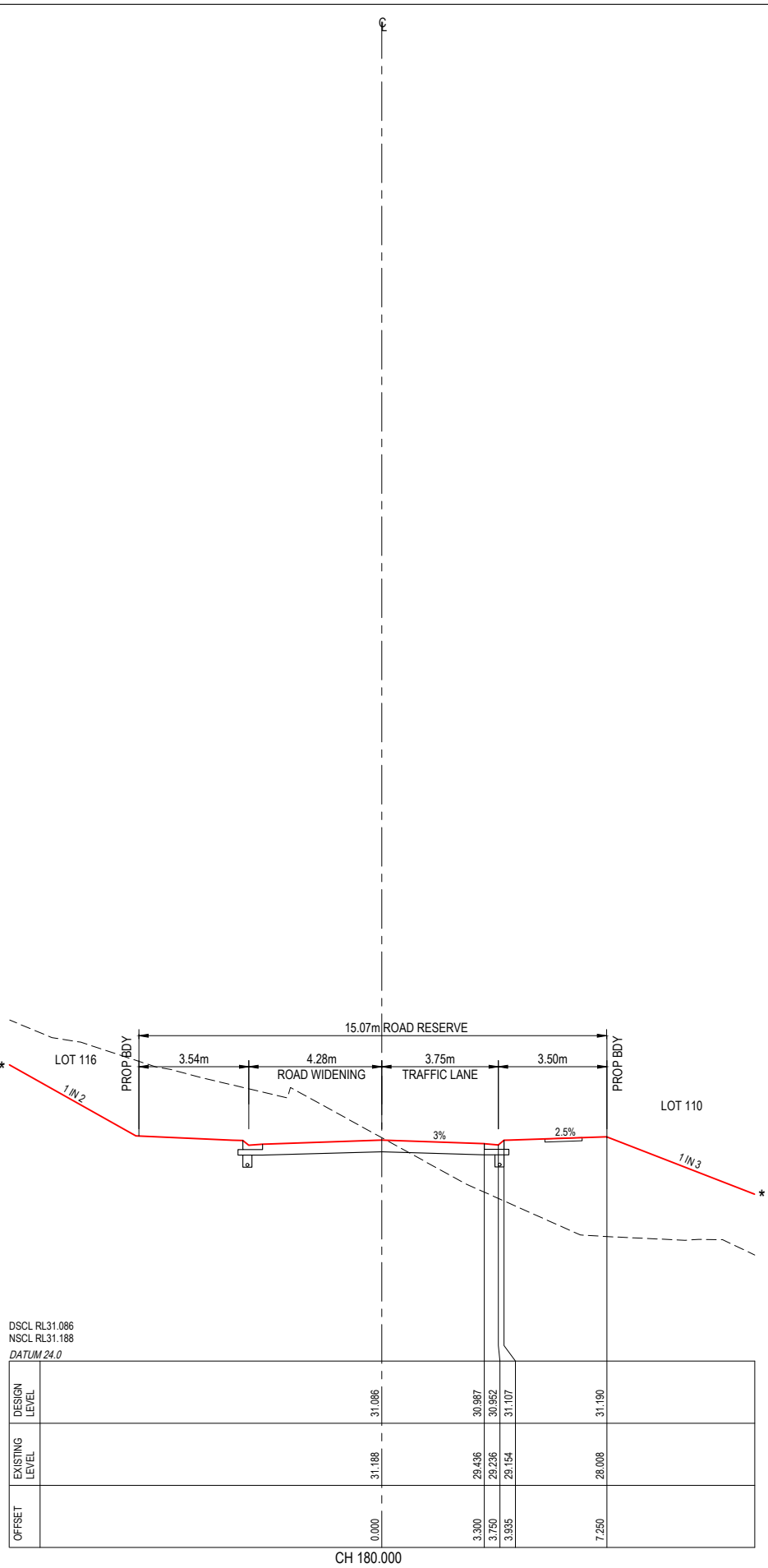
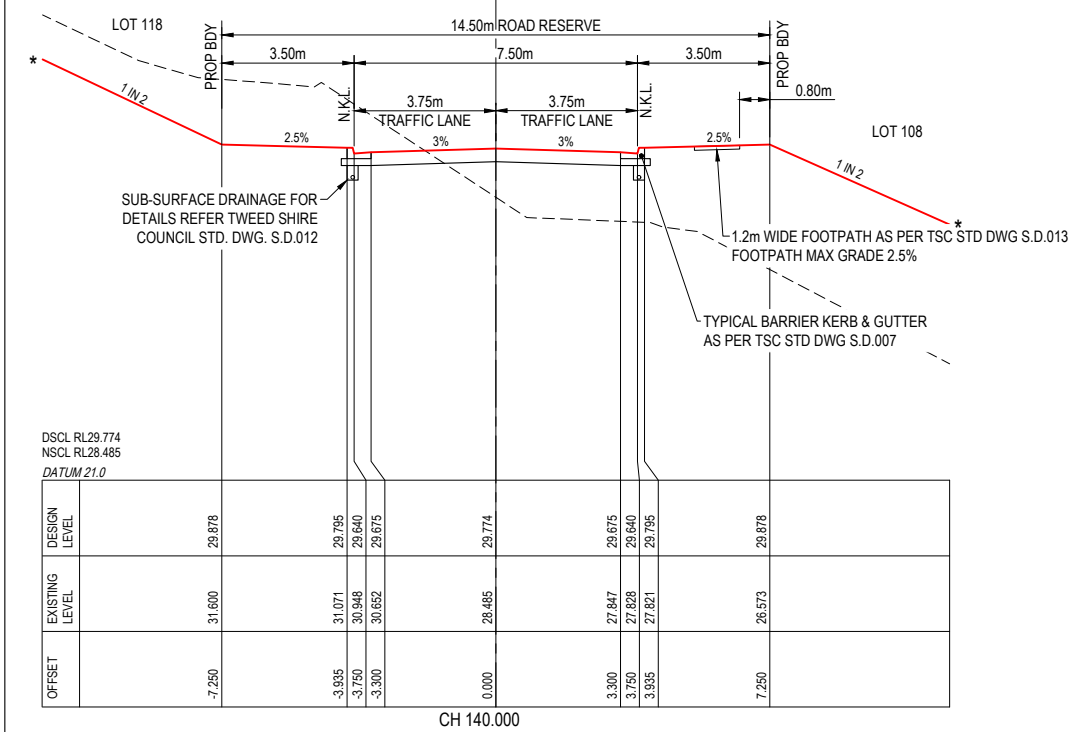
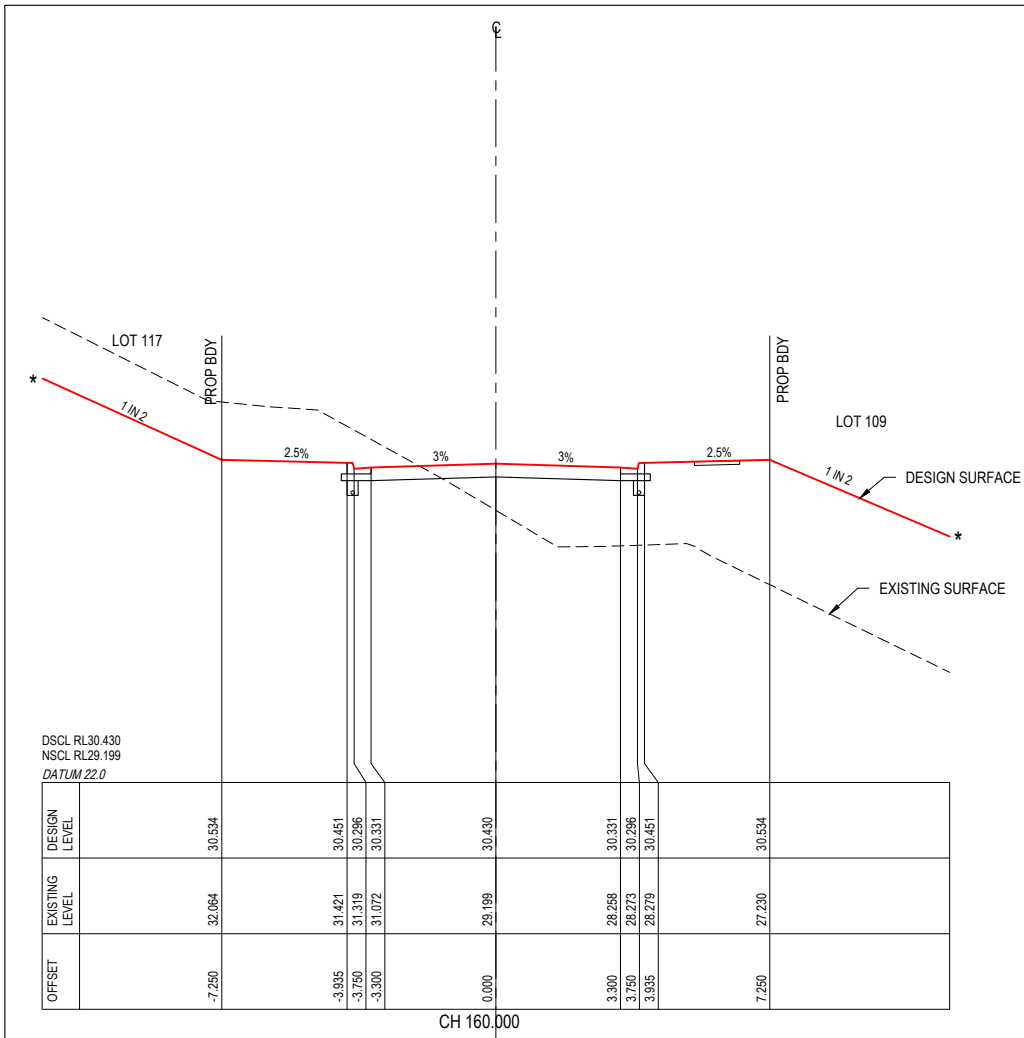
SK345

REVISION

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DEVELOPMENT APPLICATION NOTE:

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ROAD 3

* REFER TO EARTHWORKS DWGS FOR LOT GRADING

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					COUNCIL TWEED SHIRE COUNCIL

ASSOCIATED CONSULTANTS

B & P SURVEYS
COASTLINE SURVEYS

zone

zone
Landscape Architecture

CIVIL 360
ENGINEERING

PROJECT MANAGEMENT
CIVIL ENGINEERING
LAND DEVELOPMENT

0406 424 223 / 0423 593 058
info@civil360.com.au

CLIENT

MAHERS LANE
DEVELOPMENTS PTY LTD

PROJECT

NORTH - TERRANORA
HENRY LAWSON DRIVE, TERRANORA
LOT 13 ON DP1264394

STATUS

ISSUE FOR APPROVAL

DRAWING TITLE

ROAD 3 CROSS SECTIONS
SHEET 2 OF 2

PROJECT No.

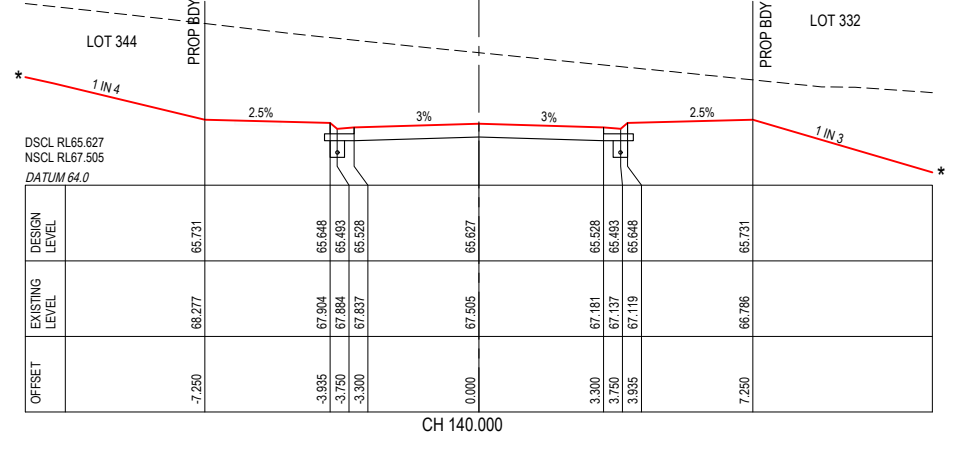
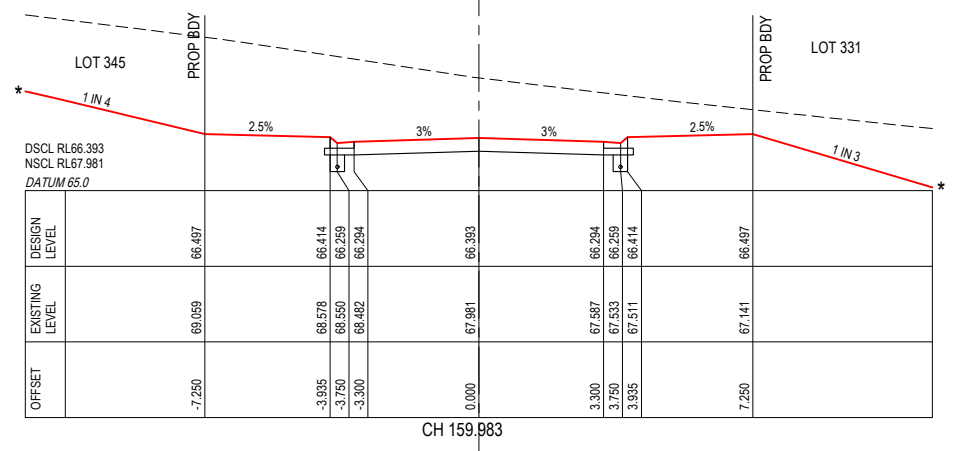
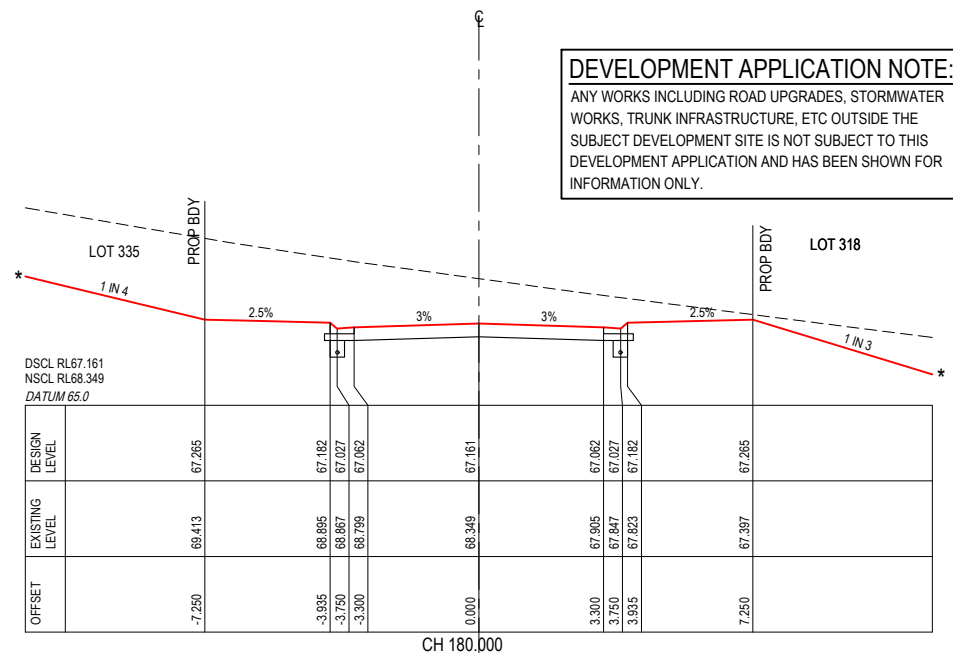
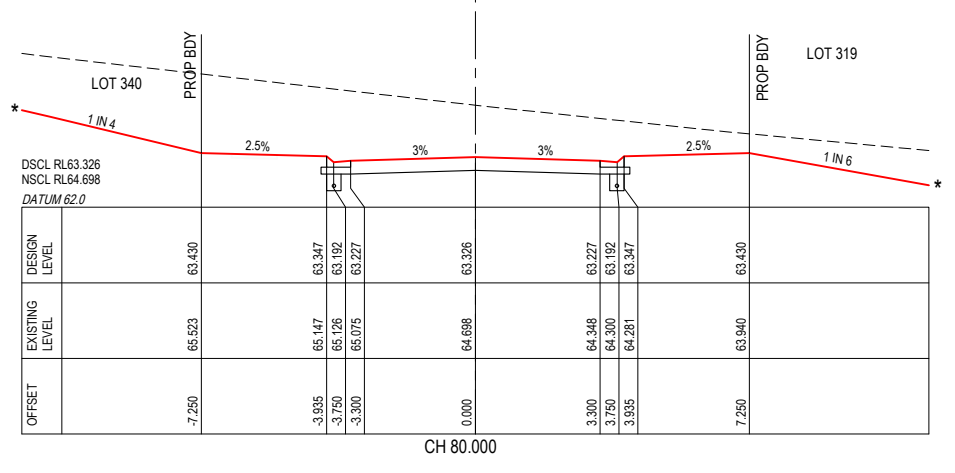
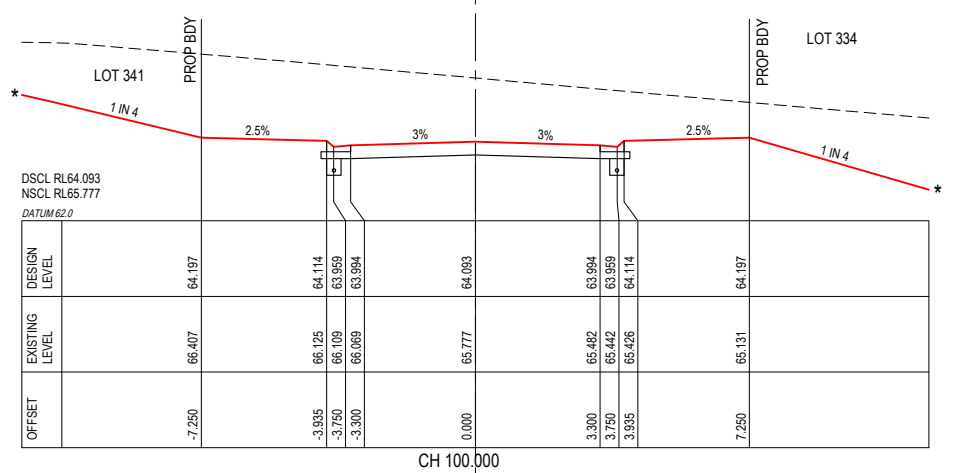
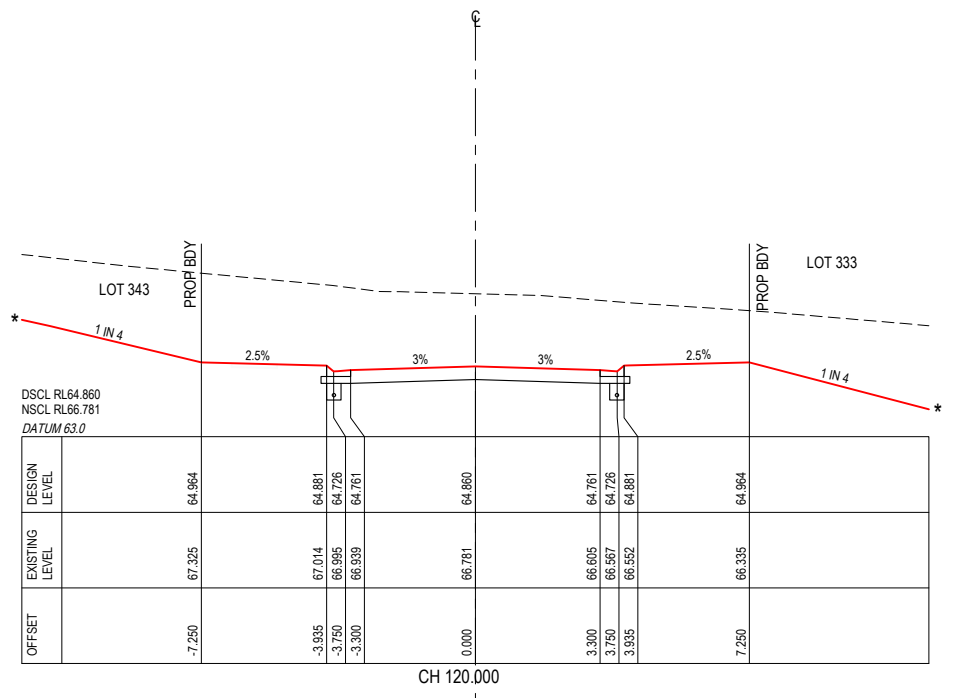
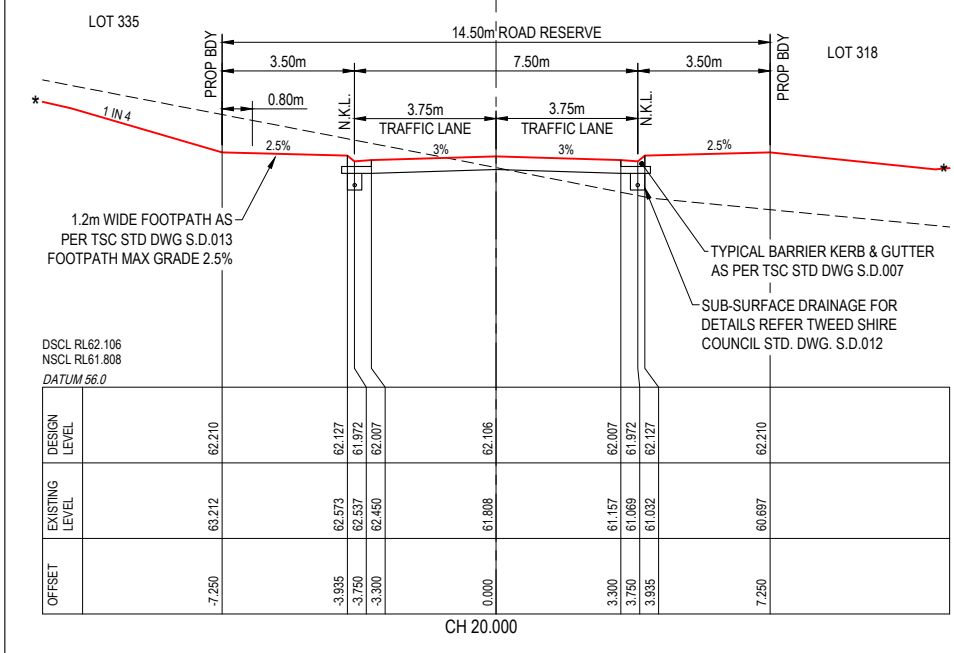
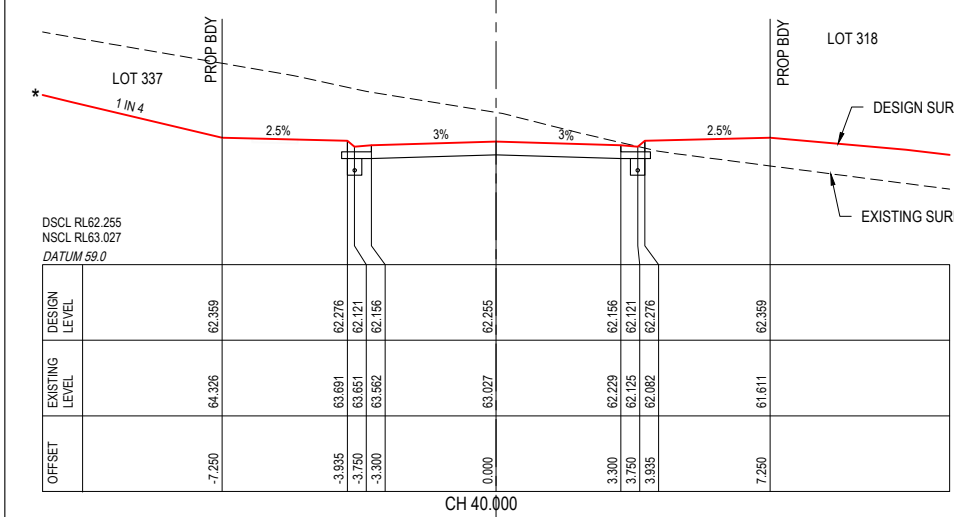
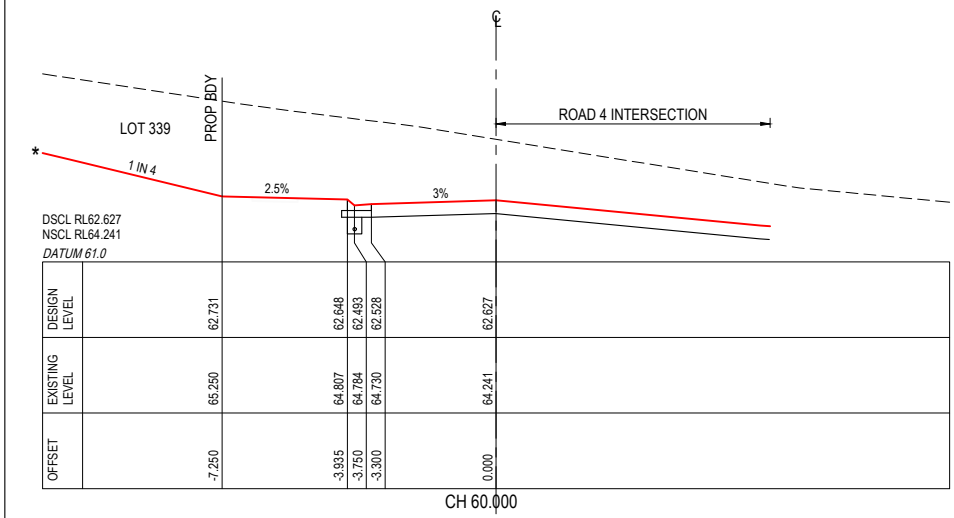
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DRAWING No.

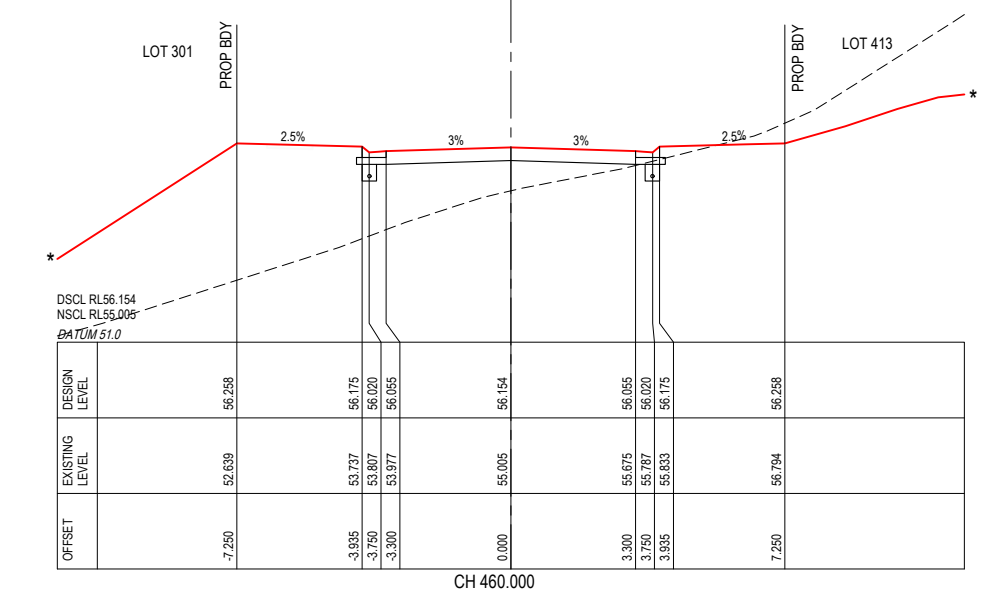
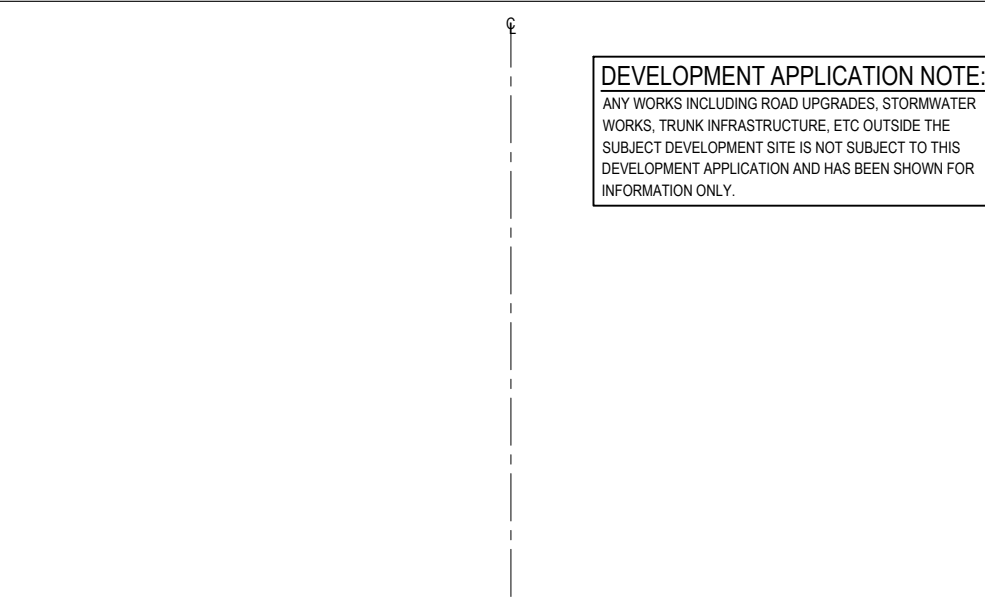
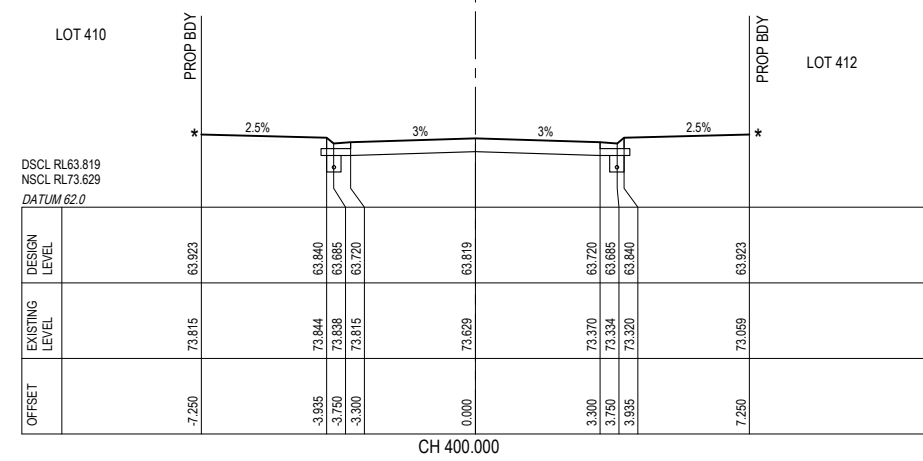
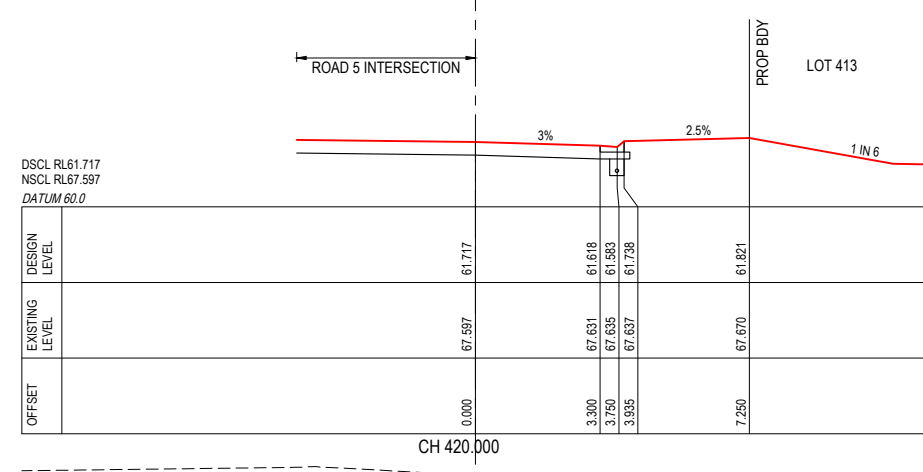
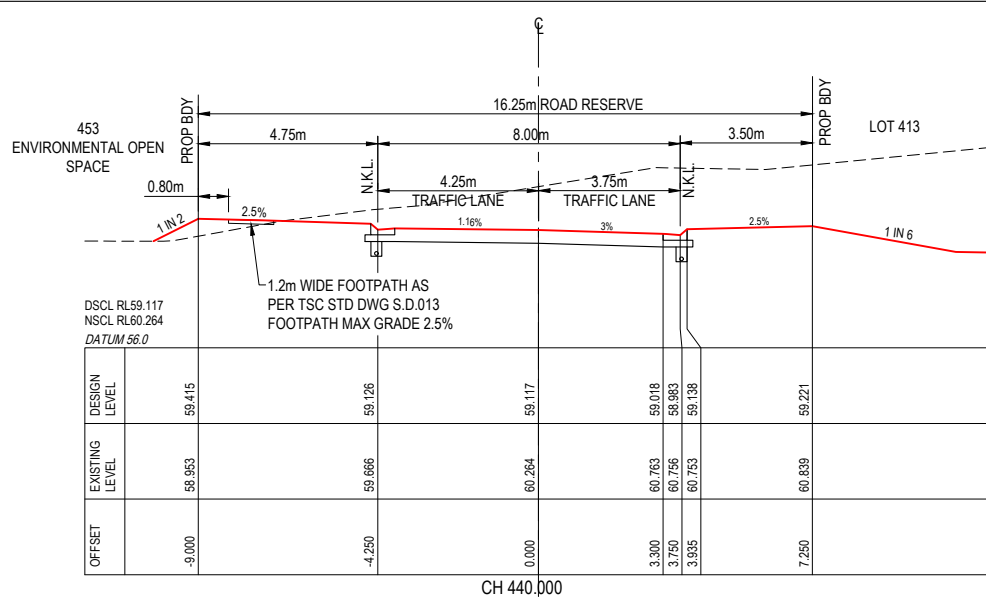
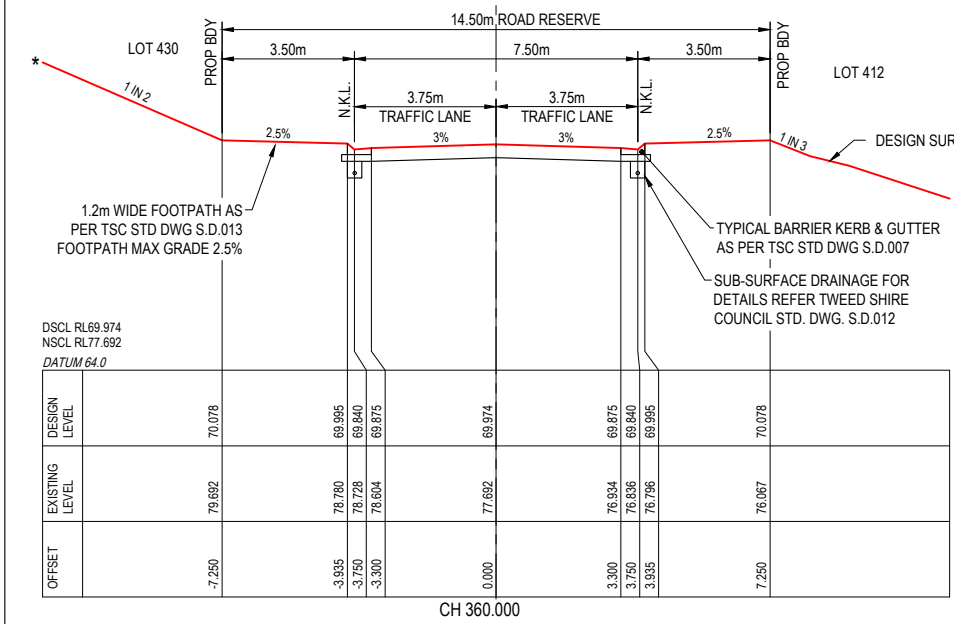
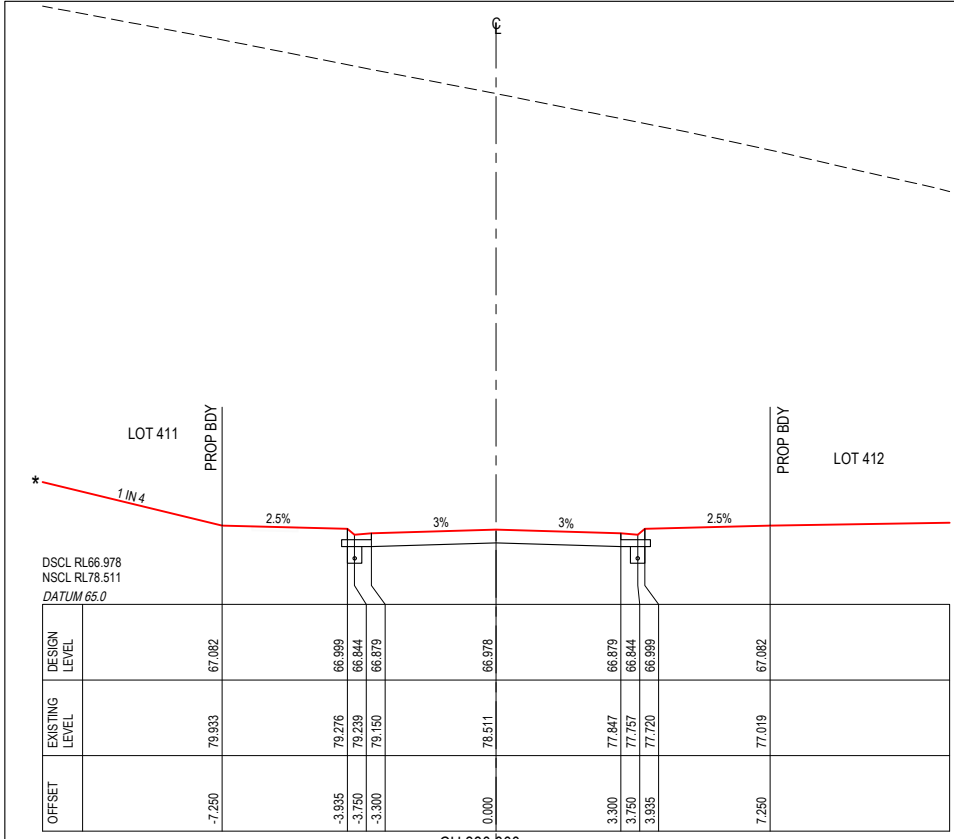
SK346

REVISION

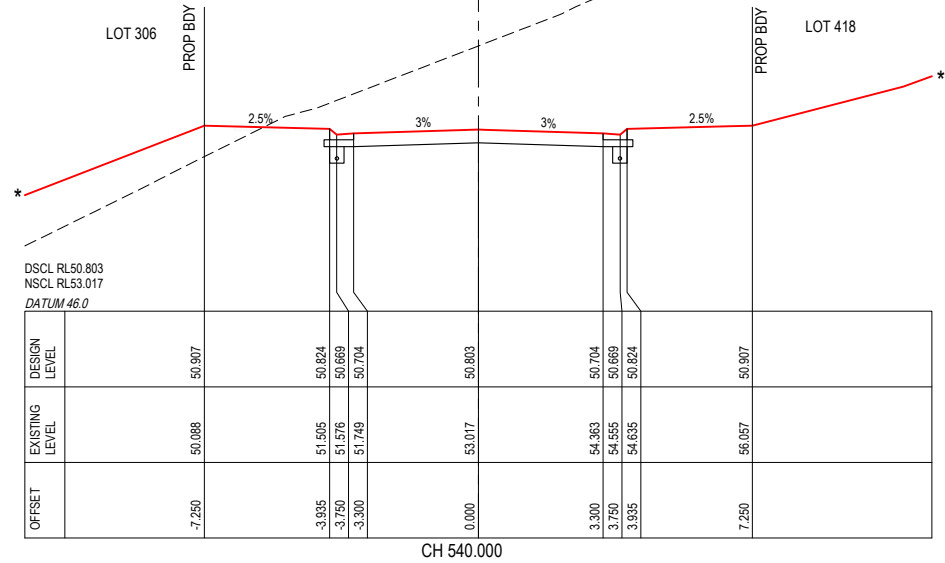
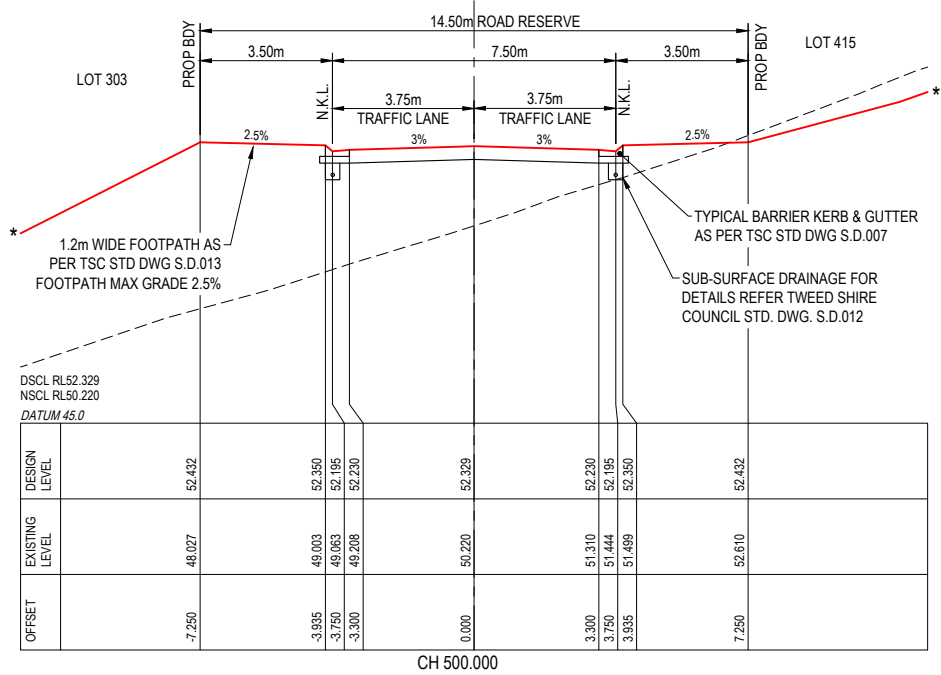
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DEVELOPMENT APPLICATION NOT
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LOT 311

DSCL RL47.493
 NSCL RL52.401
 DATUM 46.0

OFFSET	EXISTING LEVEL	DESIGN LEVEL
-7.250	52.270	47.597
-3.935	52.520	47.514
-3.750	52.522	47.359
-3.300	52.535	47.394
0.000	52.401	47.493
3.300	52.261	47.394
3.750	52.237	47.359
3.935	52.227	47.514
7.250	52.199	47.597

CH 640.000

LOT 310

DSCL RL48.155
 NSCL RL54.731
 DATUM 47.0

OFFSET	EXISTING LEVEL	DESIGN LEVEL
-7.250	53.993	48.259
-3.935	54.399	48.176
-3.750	54.415	48.021
-3.300	54.453	48.056
0.000	54.731	48.155
3.300	55.006	48.056
3.750	55.040	48.021
3.935	55.054	48.176
7.250	55.055	48.259

CH 620.000

LOT 309

DSCL RL48.817
 NSCL RL55.515
 DATUM 47.0

OFFSET	EXISTING LEVEL	DESIGN LEVEL
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-3.935	55.011	48.838
-3.750	55.025	48.683
-3.300	55.084	48.718
0.000	55.515	48.817
3.300	55.945	48.718
3.750	56.003	48.683
3.935	56.025	48.838
7.250	56.317	48.921

CH 600.000

* REFER TO EARTHWORKS DWGS FOR LOT GRADING

REV	REVISION DESCRIPTION	DESIGN	DRAWN	DATE	SCALE
A	ISSUE FOR APPROVAL	DH	MT	05.12.24	
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					1: 1000 HORIZ. 10 0 10 20 30 40 50m A1
					1: 2000 HORIZ. A3
					COUNCIL
					TWEED SHIRE COUNCIL

Document Set ID: 8250252

ASSOCIATED CONSULTANTS

B & P SURVEYS
CONSULTING SURVEYORS

zone

zone
Landscape Architecture

CIVIL 360
ENGINEERING

PROJECT MANAGEMENT
CIVIL ENGINEERING
LAND DEVELOPMENT

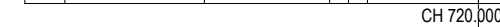
0406 424 223 / 0423 593 058
info@civil360.com.au

CLIENT

MAHERS LANE
DEVELOPMENTS PTY LTD

PROJECT	DRAWING TITLE		
NORTH - TERRANORA HENRY LAWSOON DRIVE, TERRANORA LOT 13 ON DP1264394	ROAD 4 CROSS SECTIONS SHEET 4 OF 5		
STATUS	PROJECT No.	DRAWING No.	REVISION
ISSUE FOR APPROVAL	2023076	SK350	A

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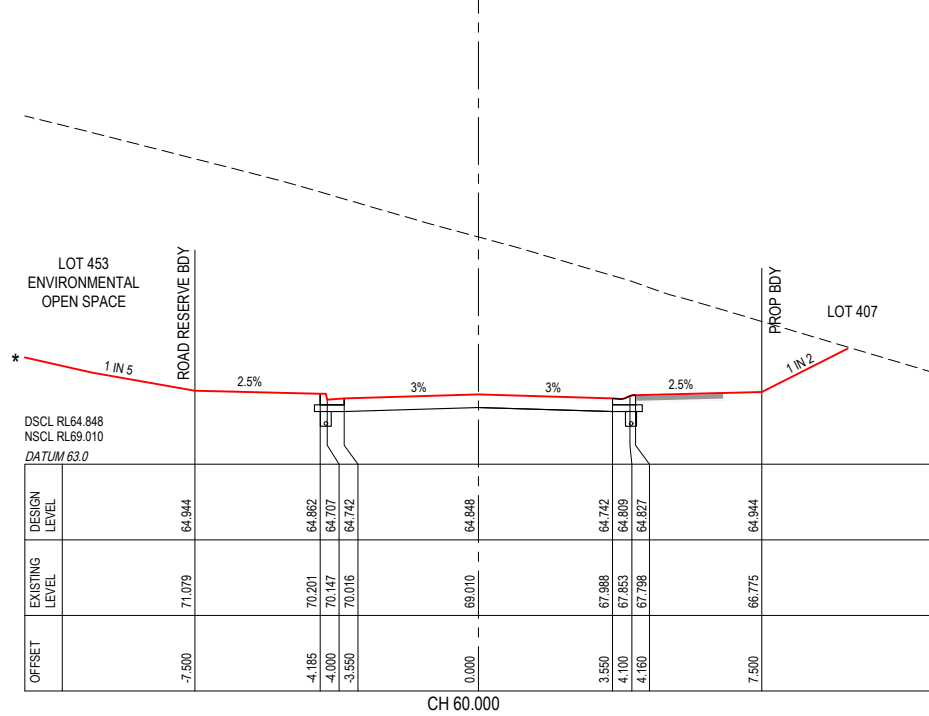
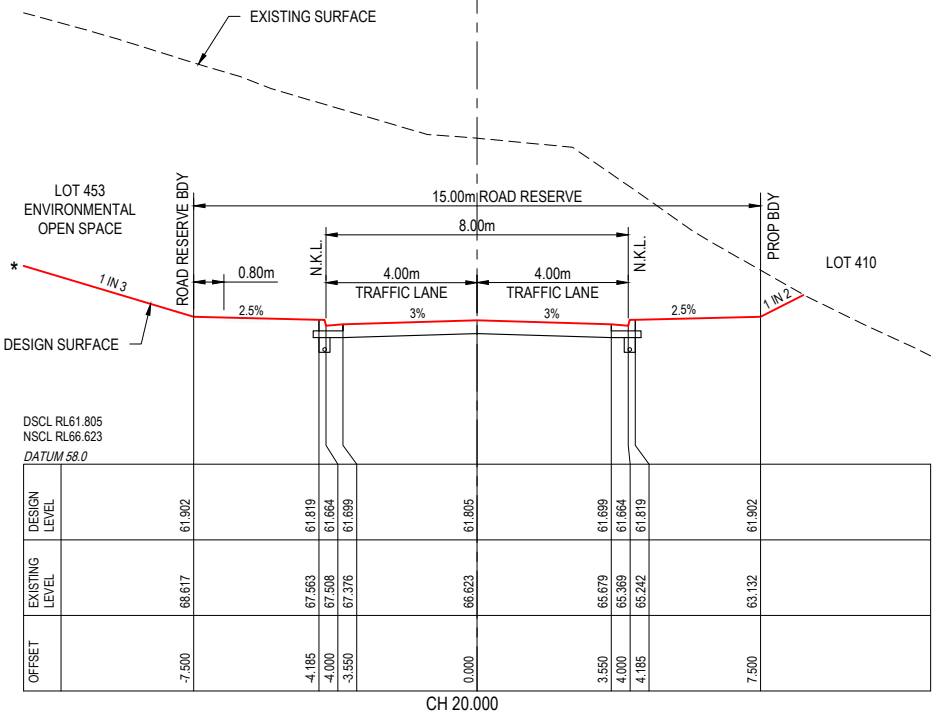
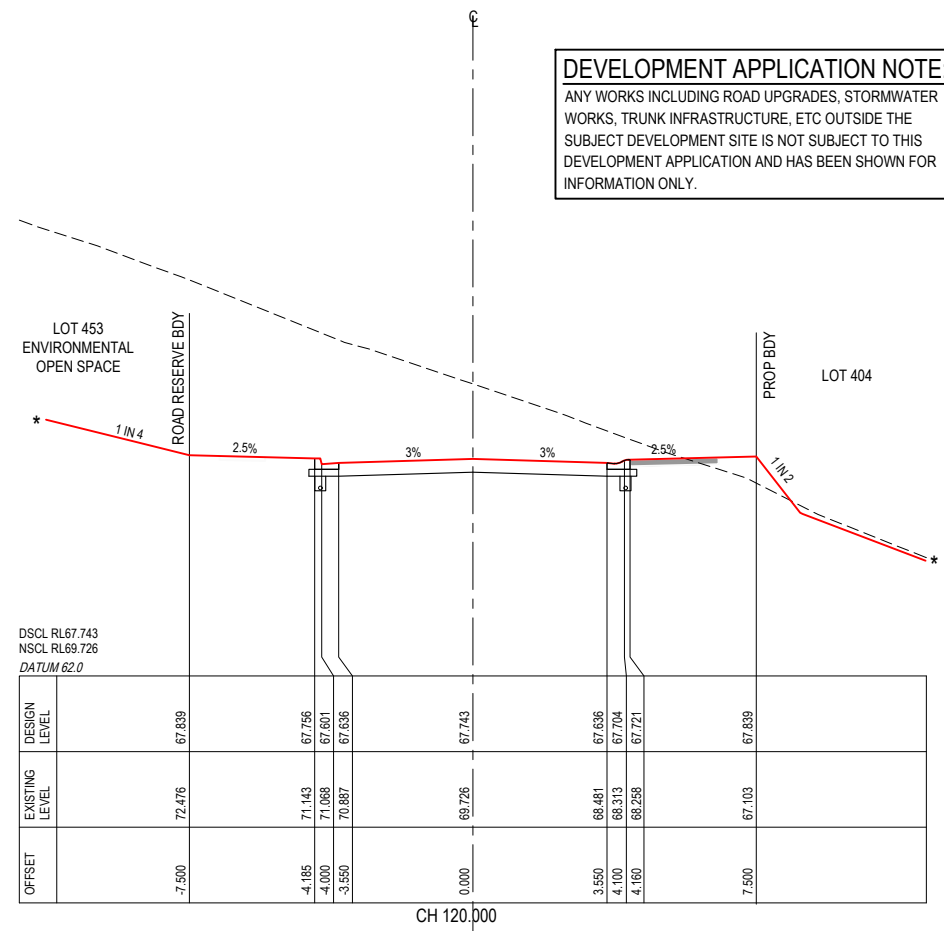
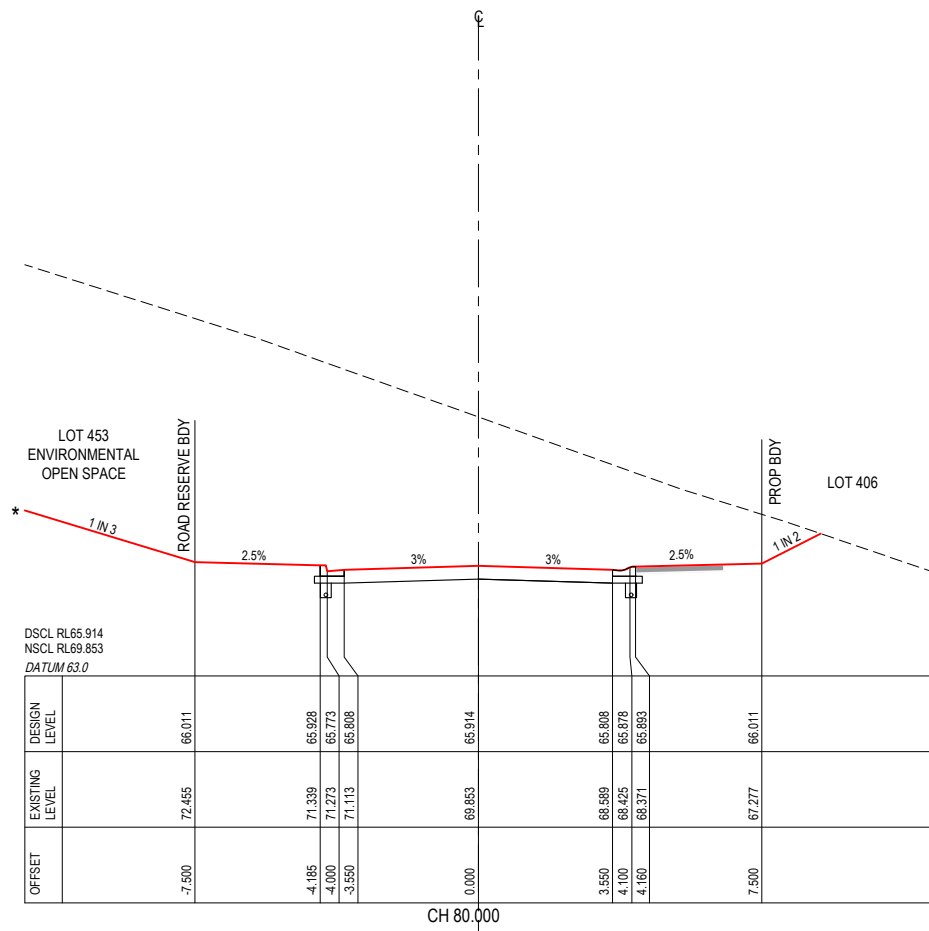
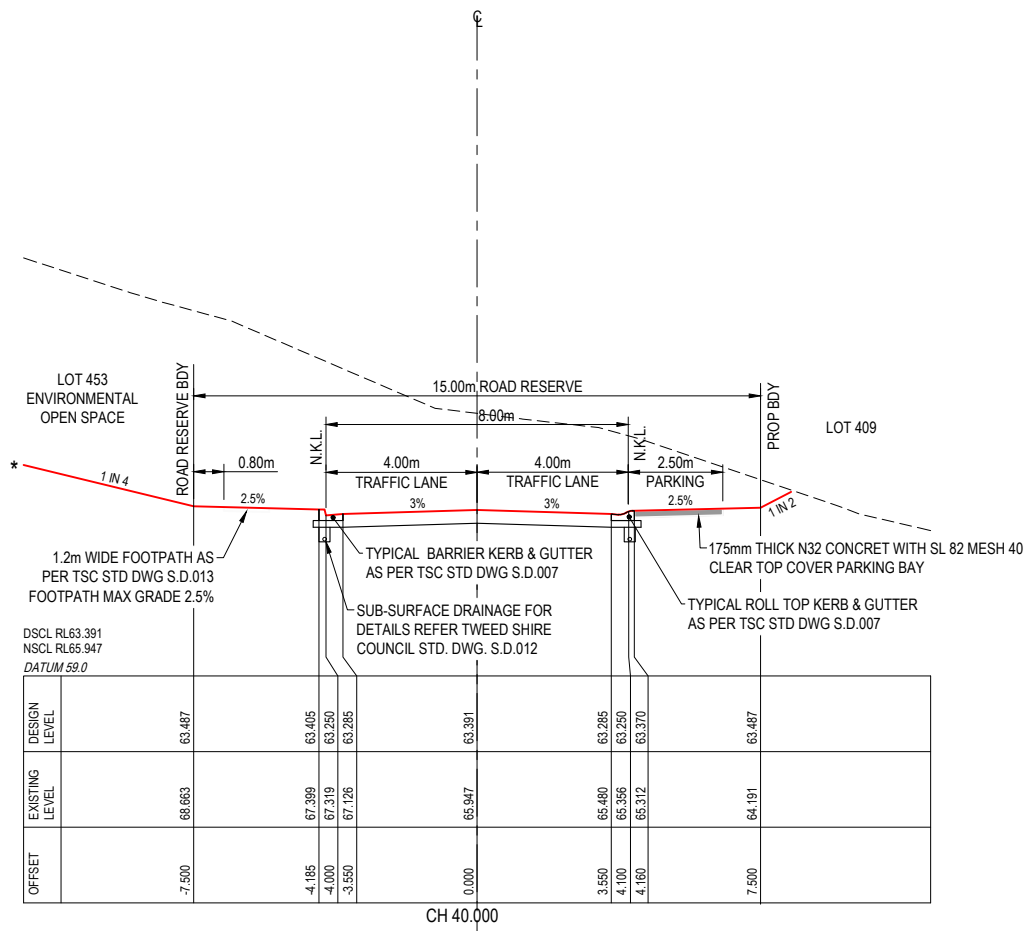
ROAD 4

* REFER TO EARTHWORKS DWGS FOR LOT GRADING

REV		REVISION DESCRIPTION		DESIGN	DRAWN	DATE	SCALE		ASSOCIATED CONSULTANTS		CLIENT		PROJECT		DRAWING TITLE					
A		ISSUE FOR APPROVAL		DH	MT	05.12.24	1: 200 VERT. 2 0 2 4 6 8 10m A1 1: 400 VERT. A3 1: 1000 HORIZ. 10 0 10 20 30 40 50m A1 1: 2000 HORIZ. A3		B & P SURVEYS CONSULTING SURVEYORS  		MAHERS LANE DEVELOPMENTS PTY LTD		NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394		ROAD 4 CROSS SECTIONS SHEET 5 OF 5					
							COUNCIL		 zone Landscape Architecture				STATUS ISSUE FOR APPROVAL		PROJECT No. 2023076		DRAWING No. SK351		REVISION A	
Document Set ID: 8250252							TWEED SHIRE COUNCIL													

DEVELOPMENT APPLICATION NOTE:

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ROAD 5

* REFER TO EARTHWORKS DWGS FOR LOT GRADING

REV	REVISION DESCRIPTION	DESIGN	DRAWN	DATE
A	ISSUE FOR APPROVAL	DH	MT	05.12.24

SCALE	DATE
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1 : 400 VERT.	
1 : 1000 HORIZ.	
1 : 2000 HORIZ.	
COUNCIL	
TWEED SHIRE COUNCIL	

ASSOCIATED CONSULTANTS
B & P SURVEYS
zone
zone
zone

CIVIL 360 ENGINEERING	PROJECT MANAGEMENT
0406 424 223 / 0423 593 058	CIVIL ENGINEERING
info@civil360.com.au	LAND DEVELOPMENT

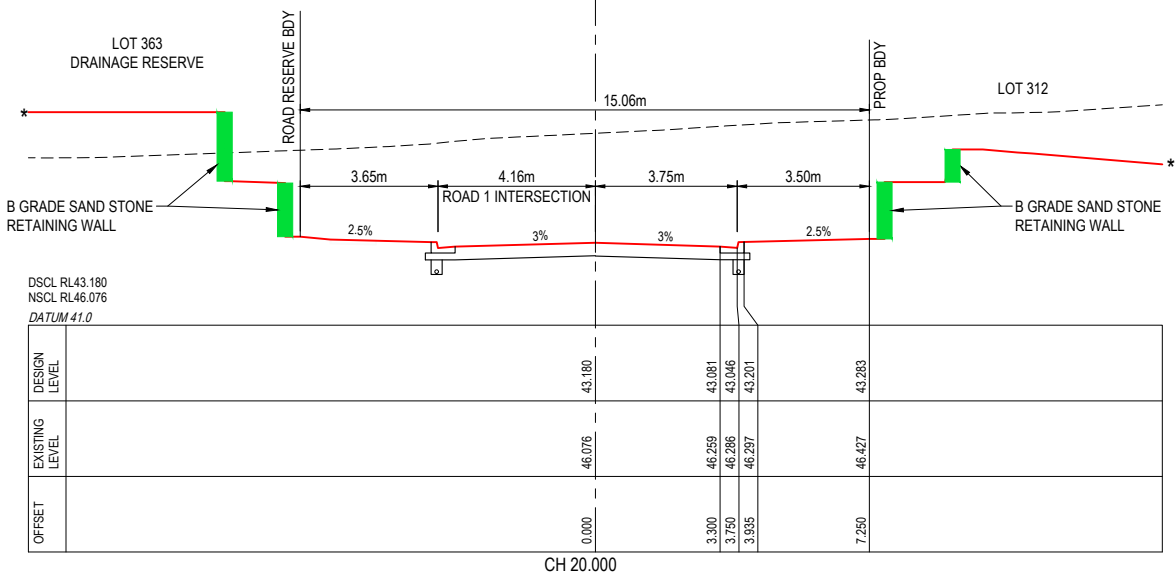
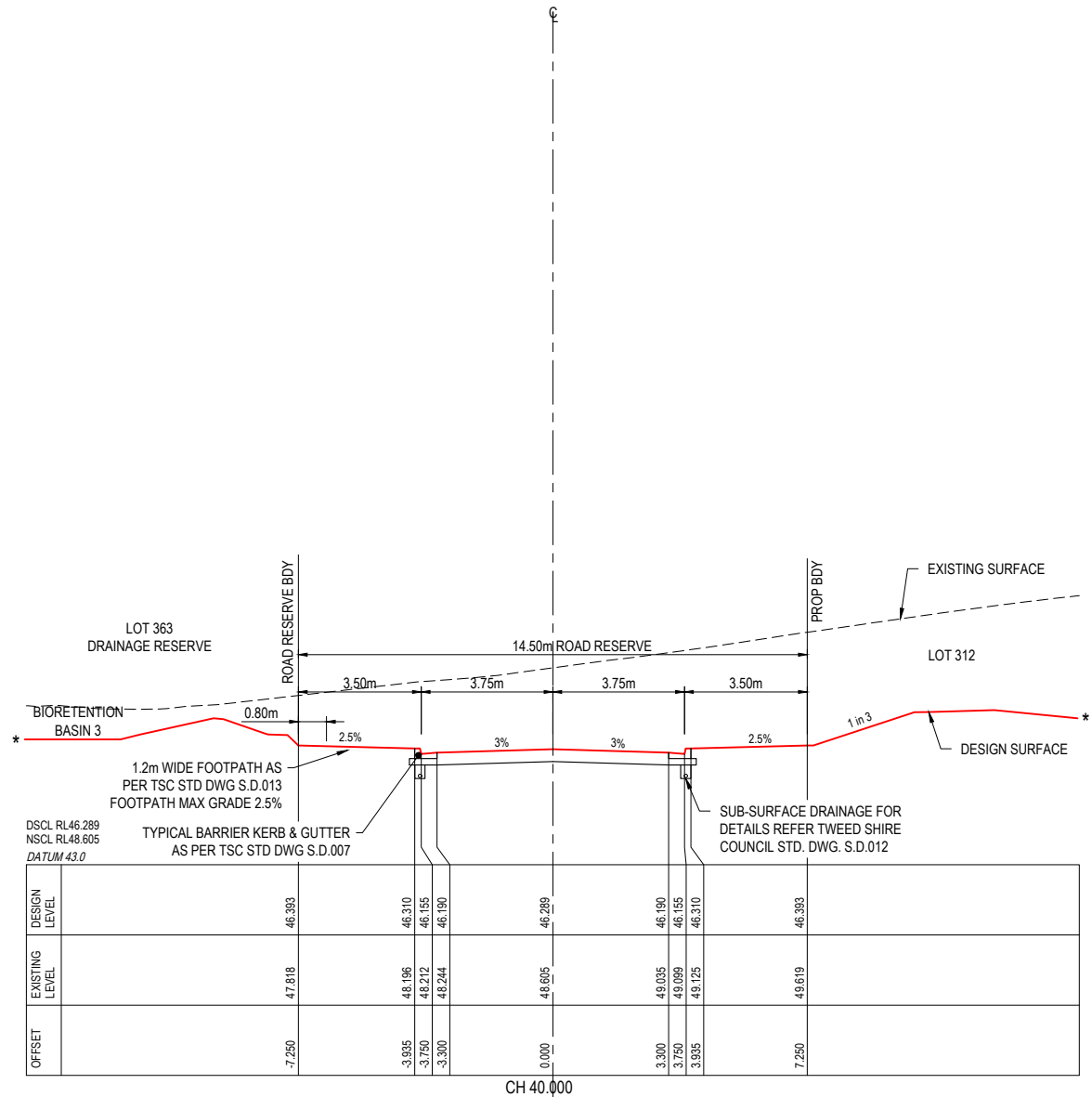
CLIENT
MAHERS LANE DEVELOPMENTS PTY LTD

PROJECT
NORTH - TERRANORA
HENRY LAWSON DRIVE, TERRANORA
LOT 13 ON DP1264394
STATUS
ISSUE FOR APPROVAL

DRAWING TITLE
ROAD 5 CROSS SECTIONS
PROJECT No.
2023076
DRAWING No.
SK352
REVISION
A

DEVELOPMENT APPLICATION NOTE:

ANY WORKS INCLUDING ROAD UPGRADES, STORMWATER WORKS, TRUNK INFRASTRUCTURE, ETC OUTSIDE THE SUBJECT DEVELOPMENT SITE IS NOT SUBJECT TO THIS DEVELOPMENT APPLICATION AND HAS BEEN SHOWN FOR INFORMATION ONLY.



ROAD 6

* REFER TO EARTHWORKS DWGS FOR LOT GRADING

REV	REVISION DESCRIPTION	DESIGN	DRAWN	DATE
A	ISSUE FOR APPROVAL	DH	MT	05.12.24

SCALE	1 : 200 VERT.	2	0	2	4	6	8	10m	A1
SCALE	1 : 400 VERT.	2	0	2	4	6	8	10m	A3
SCALE	1 : 1000 HORIZ.	10	0	10	20	30	40	50m	A1
SCALE	1 : 2000 HORIZ.	10	0	10	20	30	40	50m	A3
COUNCIL	TWEED SHIRE COUNCIL								

ASSOCIATED CONSULTANTS

B & P SURVEYS

COASTLINE SURVEYS

zone

zone

Landscape Architecture

CIVIL 360

ENGINEERING

PROJECT MANAGEMENT

CIVIL ENGINEERING

LAND DEVELOPMENT

0406 424 223 / 0423 593 058

info@civil360.com.au

CLIENT

MAHERS LANE DEVELOPMENTS PTY LTD

PROJECT

NORTH - TERRANORA

HENRY LAWSON DRIVE, TERRANORA

LOT 13 ON DP1264394

STATUS

ISSUE FOR APPROVAL

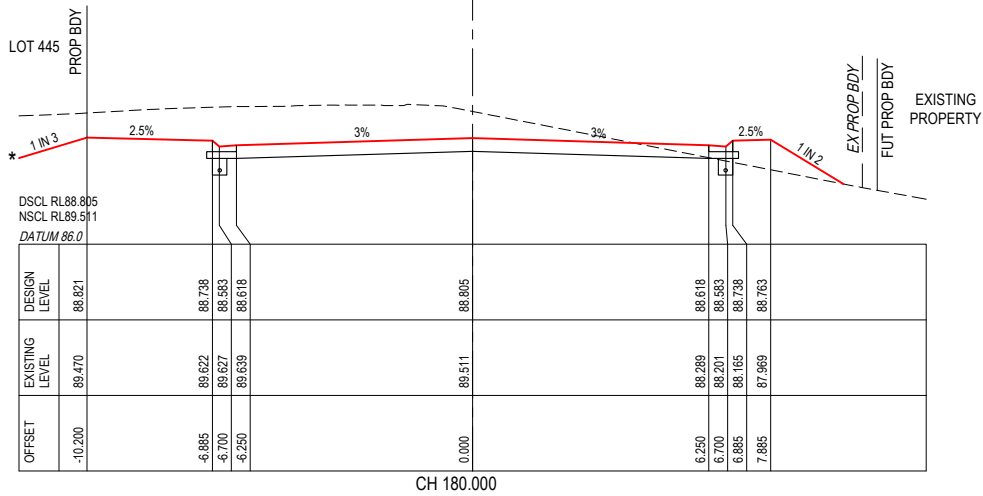
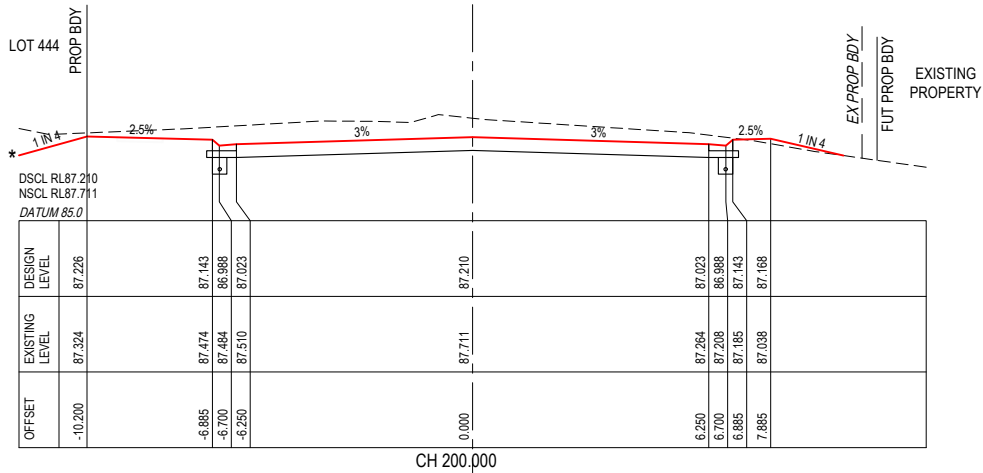
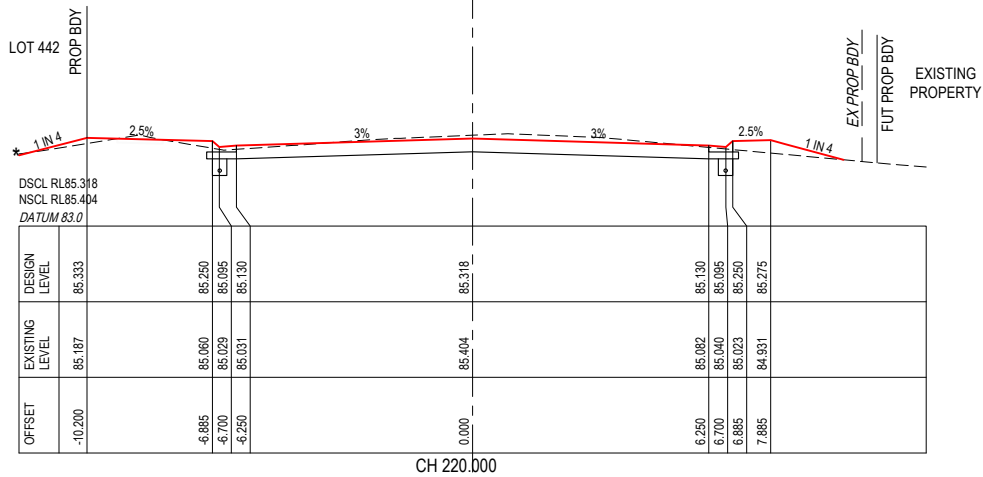
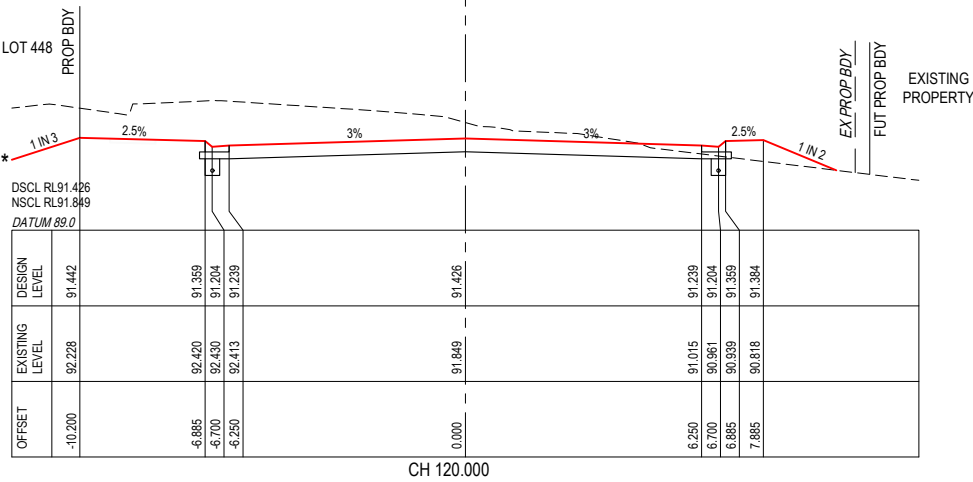
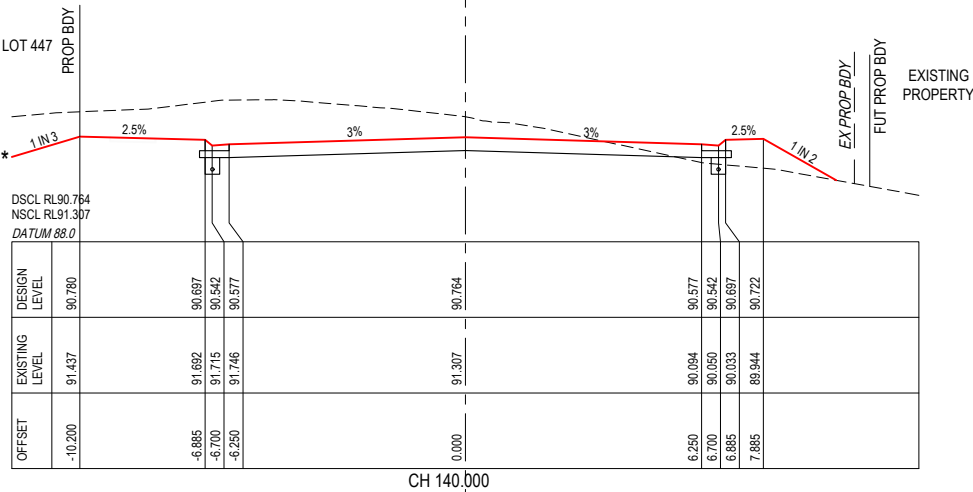
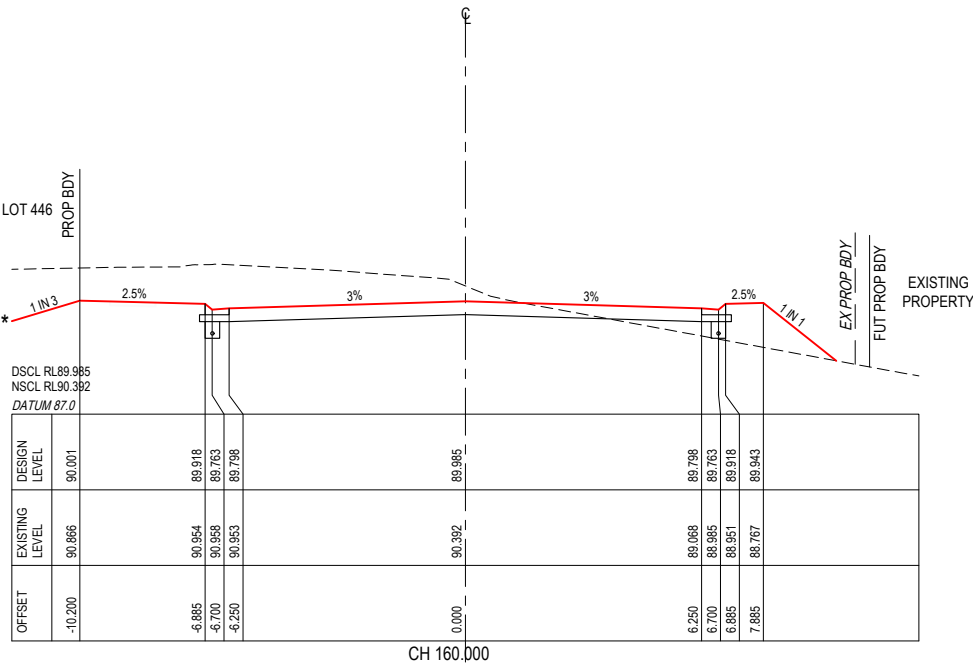
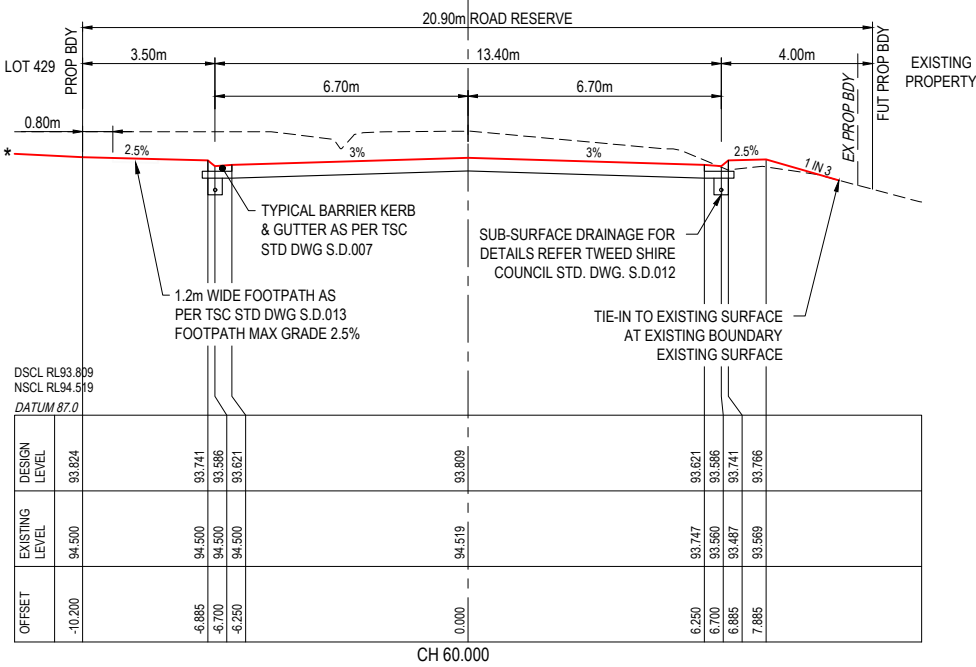
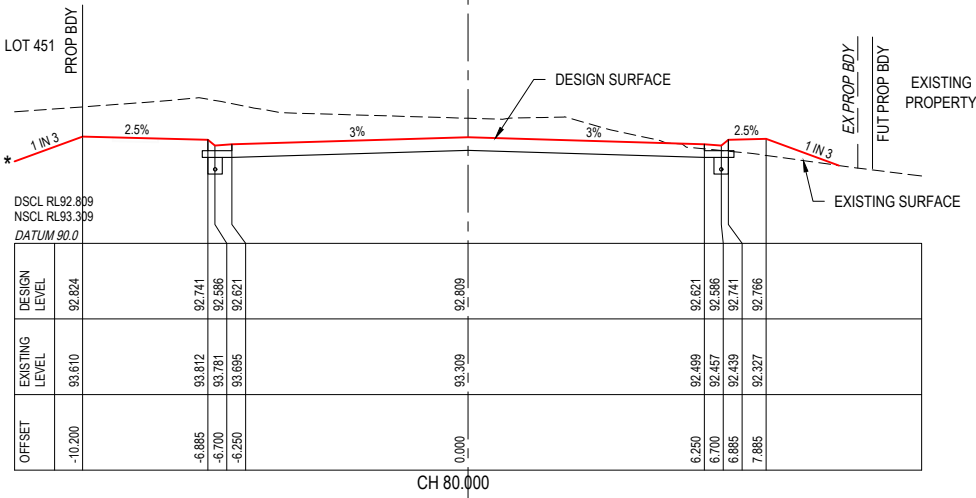
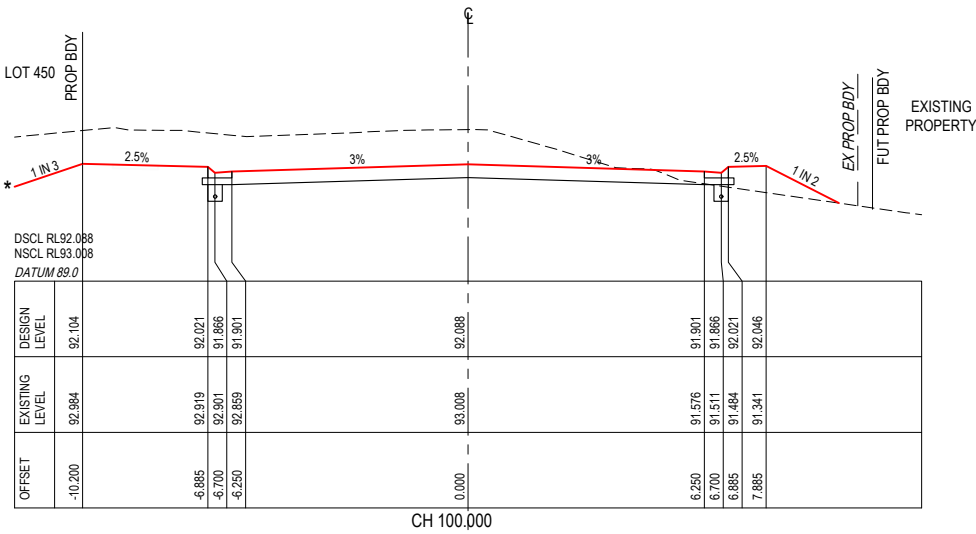
DRAWING TITLE

ROAD 6 CROSS SECTIONS

PROJECT No.	DRAWING No.	REVISION
2023076	SK353	A

DEVELOPMENT APPLICATION NOTE:

ANY WORKS INCLUDING ROAD UPGRADES, STORMWATER WORKS, TRUNK INFRASTRUCTURE, ETC OUTSIDE THE SUBJECT DEVELOPMENT SITE IS NOT SUBJECT TO THIS DEVELOPMENT APPLICATION AND HAS BEEN SHOWN FOR INFORMATION ONLY.



MAHERS LANE

* REFER TO EARTHWORKS DWGS FOR LOT GRADING

REV	REVISION DESCRIPTION	DESIGN	DRAWN	DATE
A	ISSUE FOR APPROVAL	DH	MT	05.12.24

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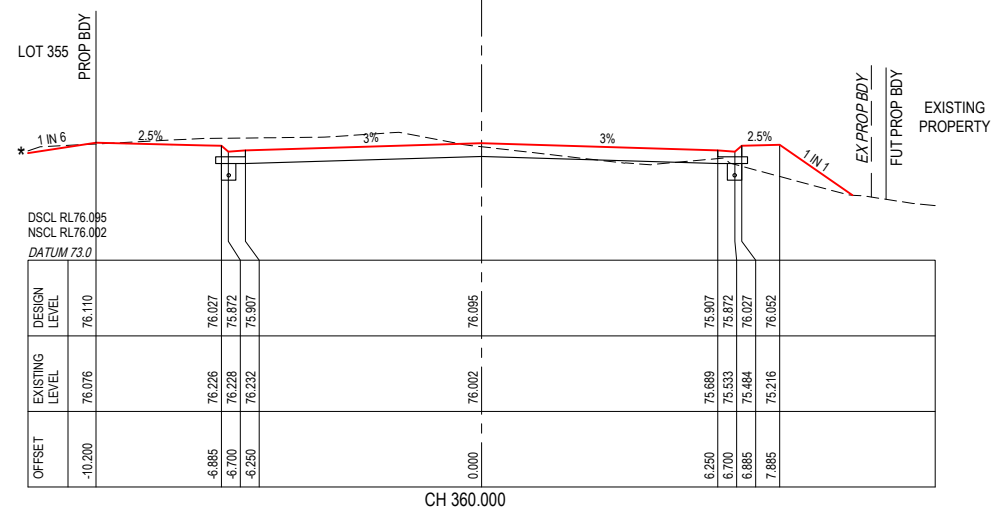
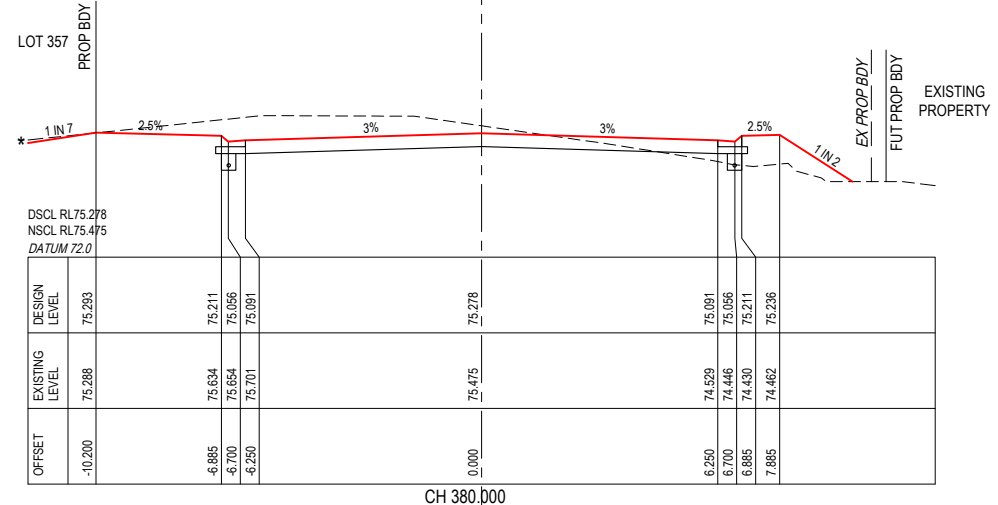
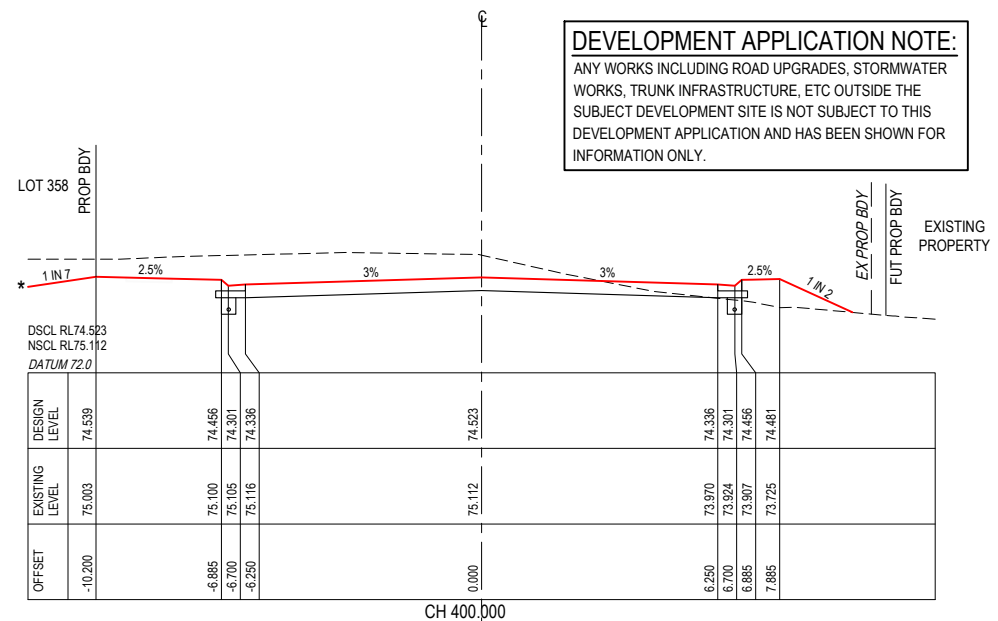
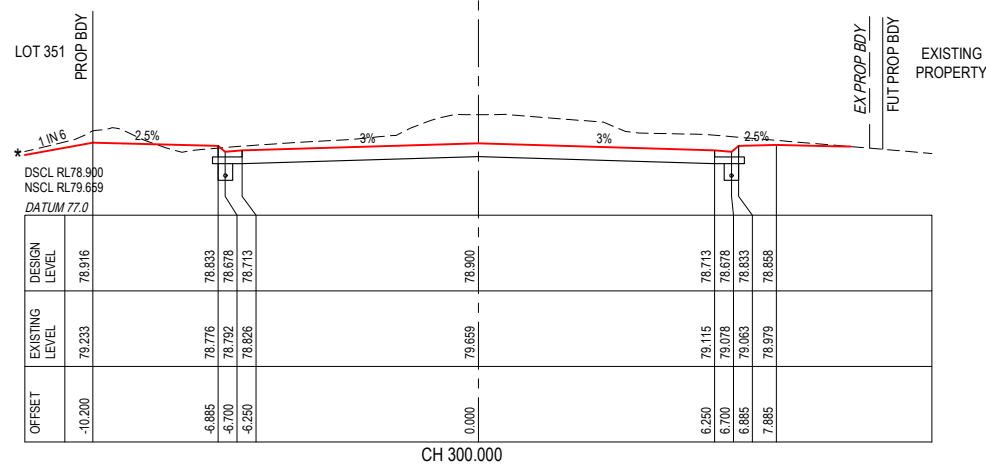
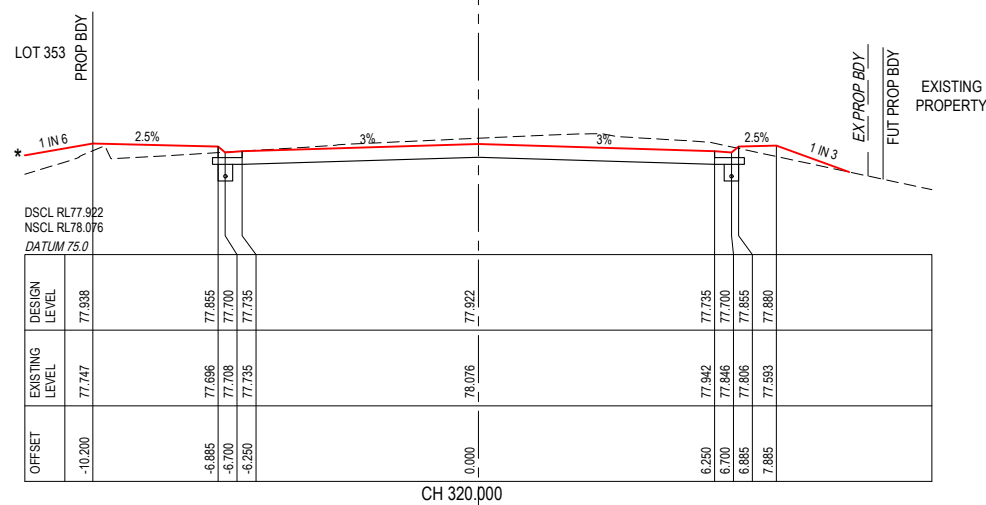
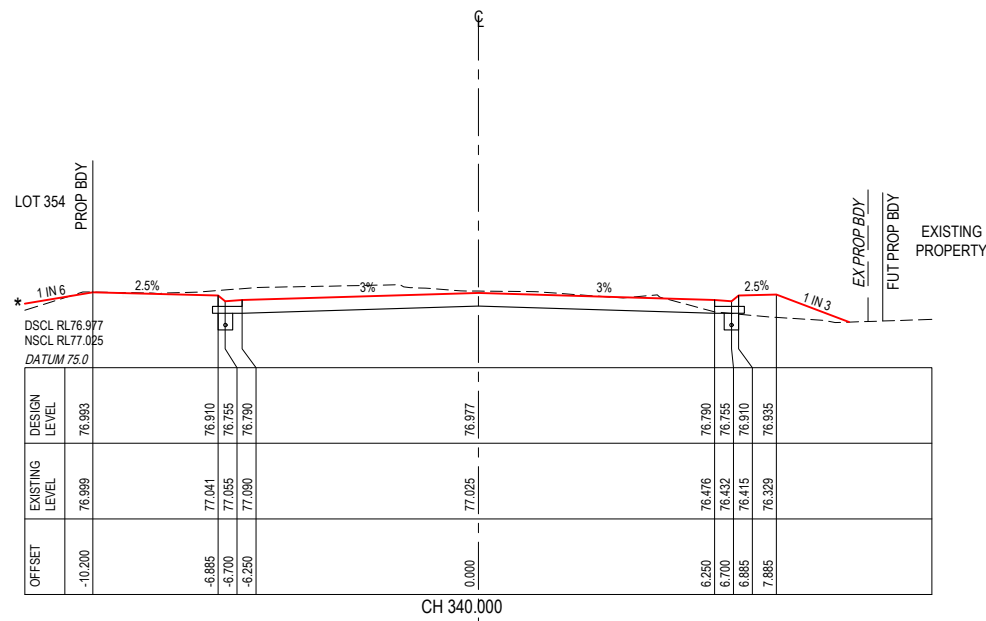
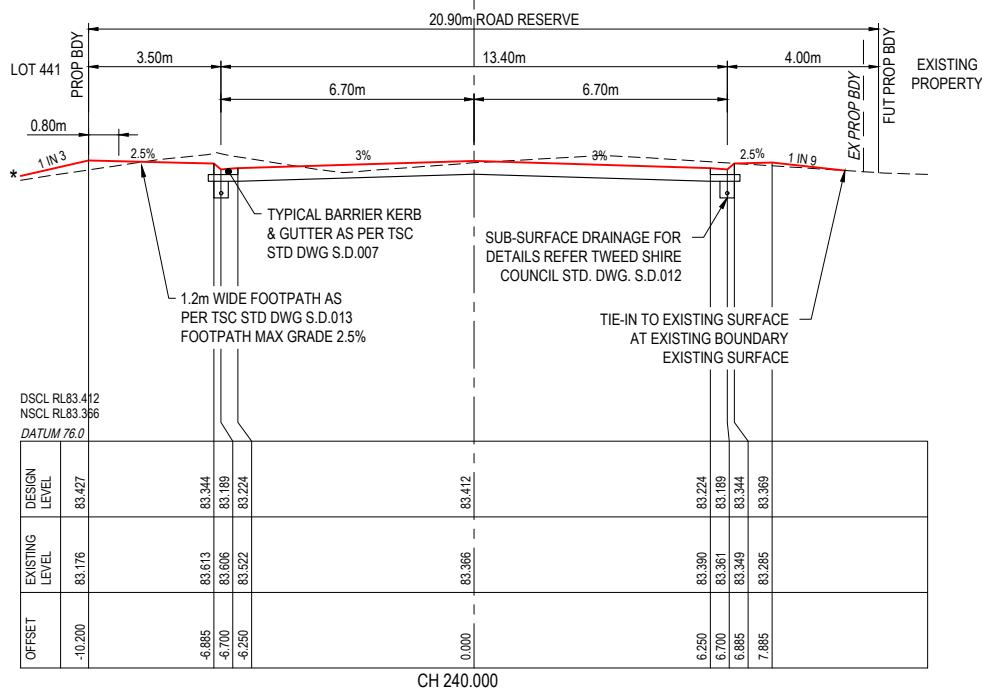
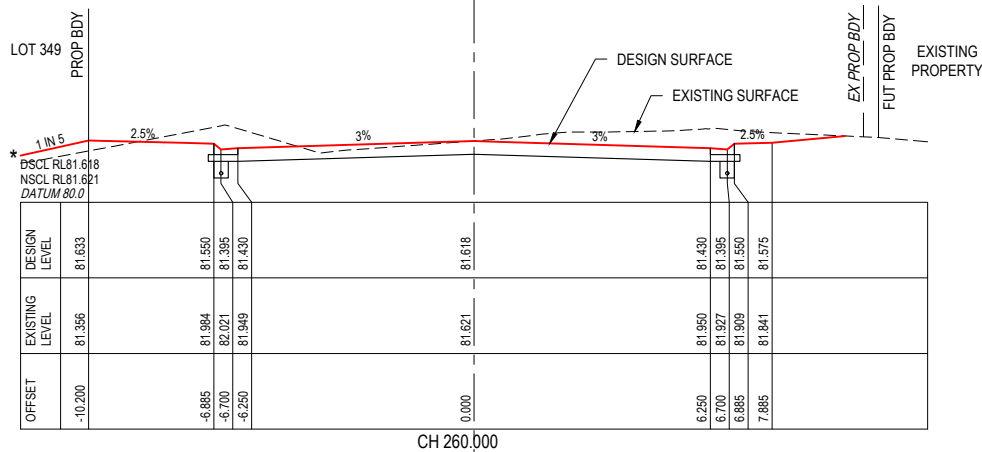
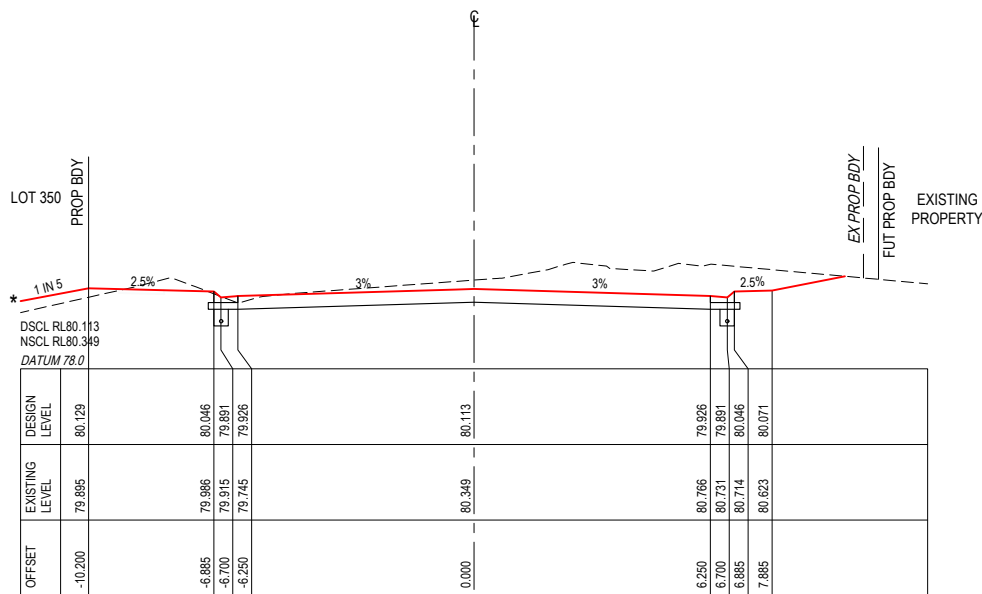
ASSOCIATED CONSULTANTS
B & P SURVEYS
zone
zone
zone

CIVIL 360 ENGINEERING	PROJECT MANAGEMENT
0406 424 223 / 0423 593 058	CIVIL ENGINEERING
info@civil360.com.au	LAND DEVELOPMENT

CLIENT
MAHERS LANE DEVELOPMENTS PTY LTD

PROJECT
NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394
STATUS
ISSUE FOR APPROVAL

DRAWING TITLE
MAHERS LANE CROSS SECTIONS SHEET 1 OF 3
PROJECT No.
2023076
DRAWING No.
SK354
REVISION
A



DEVELOPMENT APPLICATION NOTE:
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MAHERS LANE

* REFER TO EARTHWORKS DWGS FOR LOT GRADING

REV	REVISION DESCRIPTION	DESIGN	DRAWN	DATE	SCALE	
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					COUNCIL	
					TWEED SHIRE COUNCIL	

Document Set ID: 8250252

ASSOCIATED CONSULTANTS



PROJECT MANAGEMENT
CIVIL ENGINEERING
LAND DEVELOPMENT

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info@civil360.com.au

	CLIENT
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MAHERS LANE
DEVELOPMENTS PTY LTD

	PROJECT
--	---------

NORTH - TERRANORA
HENRY LAWSON DRIVE, TERRANORA
LOT 13 ON DP1264394

STATUS	
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ISSUE FOR APPROVAL

DRAWING TITLE

MAHERS LANE CROSS
SECTIONS SHEET 2 OF 3

PROJECT No.	
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2023076

DRAWING No.

SK355

REVISION

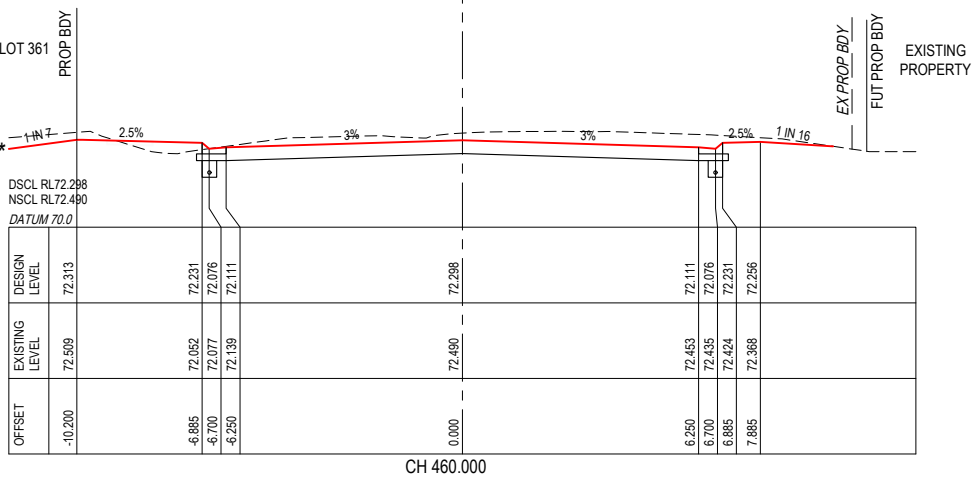
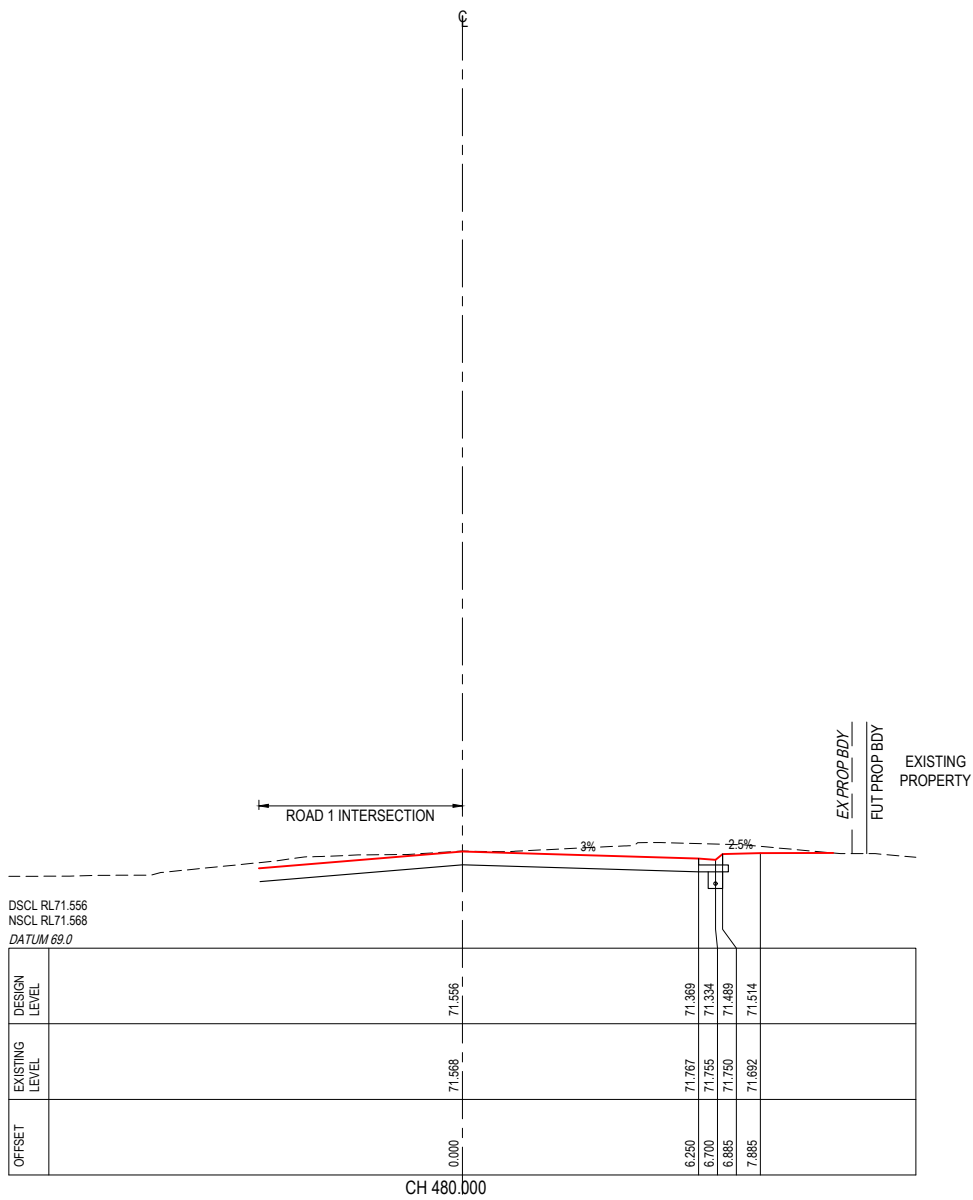
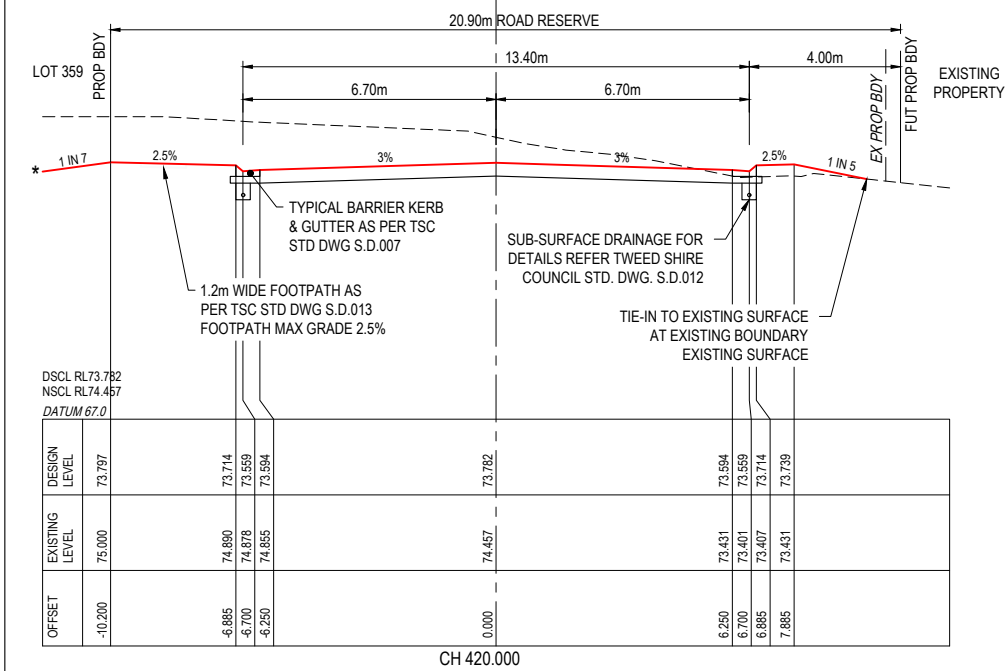
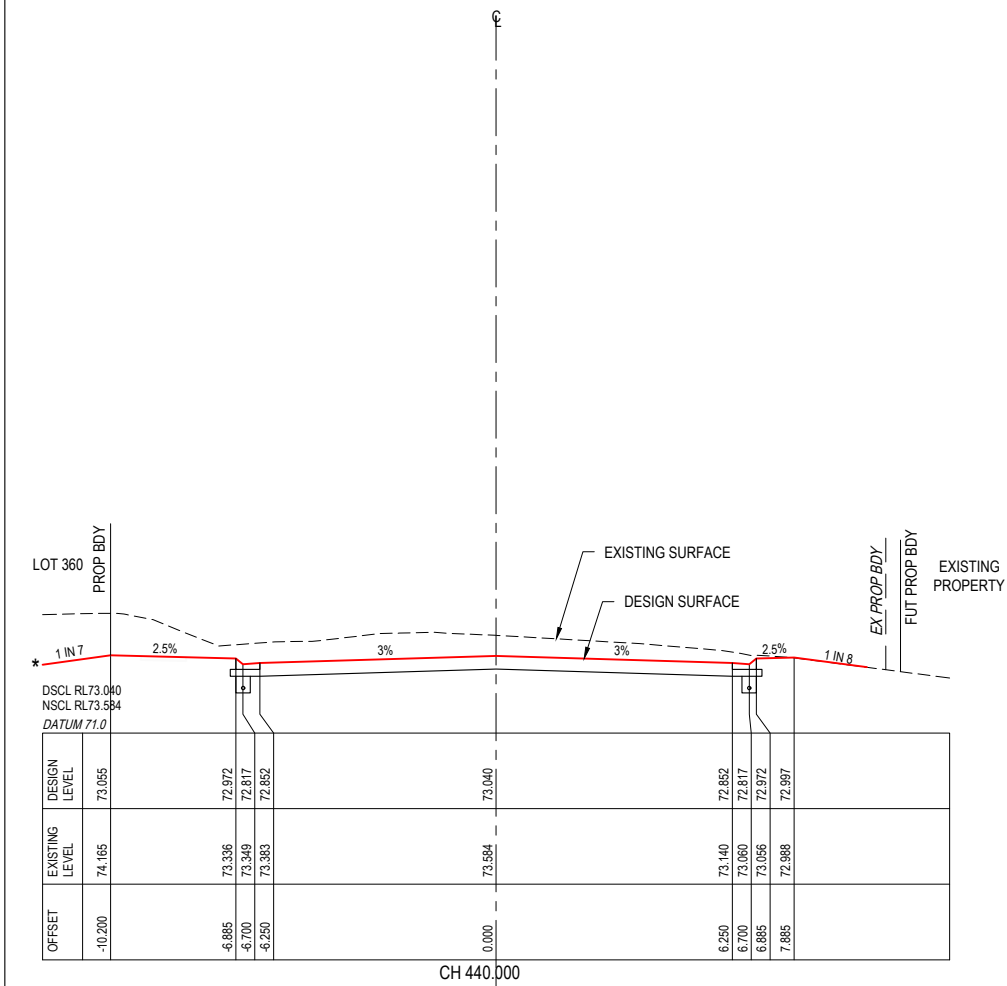
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Document Set ID: 8250252

Version: 1, Version Date: 09/01/2025

DEVELOPMENT APPLICATION NOTE:

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MAHERS LANE

* REFER TO EARTHWORKS DWGS FOR LOT GRADING

REV	REVISION DESCRIPTION	DESIGN	DRAWN	DATE
A	ISSUE FOR APPROVAL	DH	MT	05.12.24

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SCALE	1 : 400 VERT.	1	0	2	4	6	8	10m	A3
SCALE	1 : 1000 HORIZ.	10	0	10	20	30	40	50m	A1
SCALE	1 : 2000 HORIZ.	10	0	10	20	30	40	50m	A3
COUNCIL	TWEED SHIRE COUNCIL								

ASSOCIATED CONSULTANTS
B & P SURVEYS CONSULTANTS
zone
zone Landscape Architecture

CIVIL 360 ENGINEERING	PROJECT MANAGEMENT CIVIL ENGINEERING LAND DEVELOPMENT
0406 424 223 / 0423 593 058 info@civil360.com.au	

CLIENT
MAHERS LANE DEVELOPMENTS PTY LTD

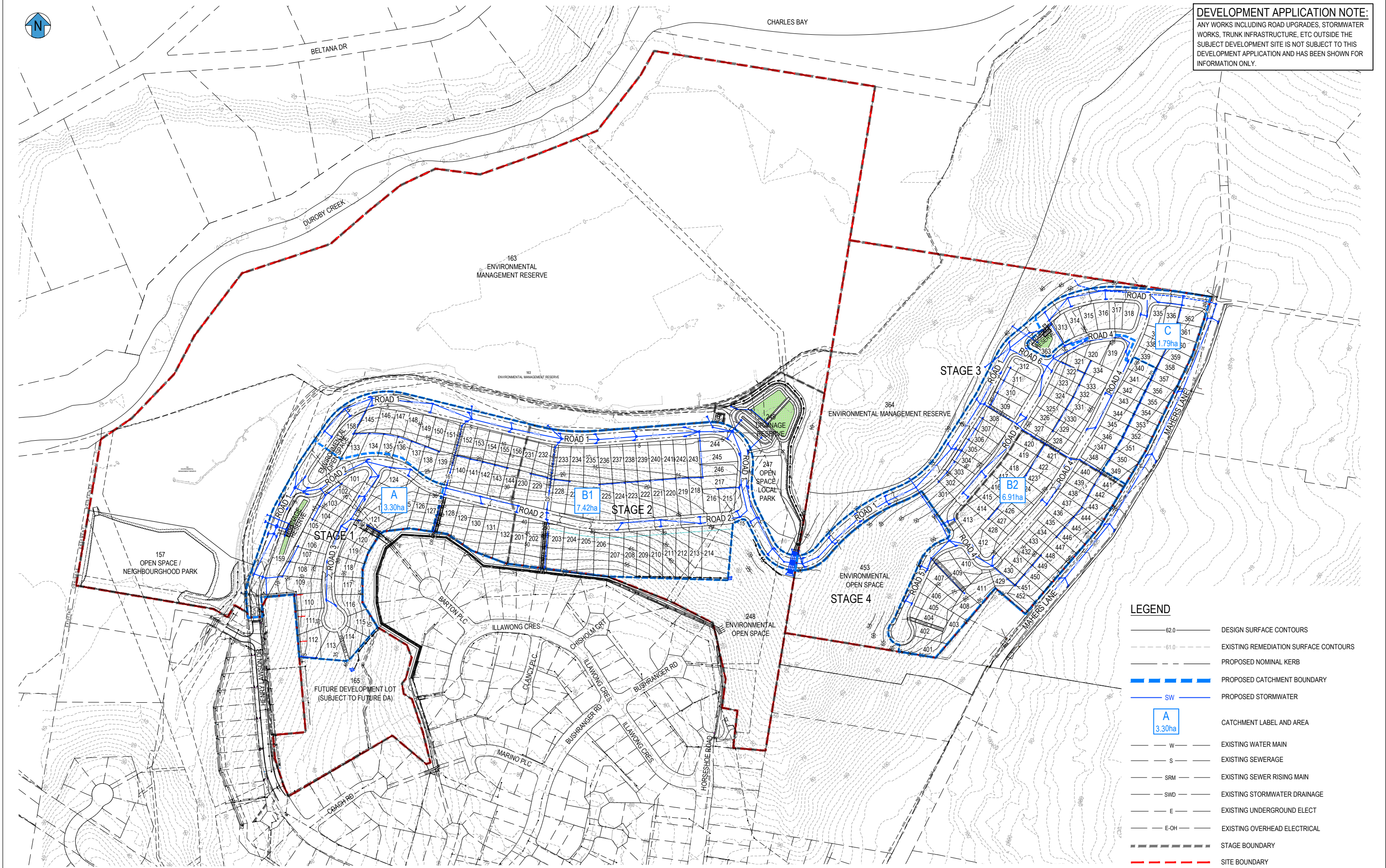
PROJECT
NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394
STATUS
ISSUE FOR APPROVAL

DRAWING TITLE
MAHERS LANE CROSS SECTIONS SHEET 3 OF 3
PROJECT No.
2023076
DRAWING No.
SK356
REVISION
A



DEVELOPMENT APPLICATION NOTE:

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LEGEND

- 62.0 DESIGN SURFACE CONTOURS
- 61.0 EXISTING REMEDIATION SURFACE CONTOURS
- PROPOSED NOMINAL KERB
- PROPOSED CATCHMENT BOUNDARY
- SW PROPOSED STORMWATER
- A 3.30ha CATCHMENT LABEL AND AREA
- W EXISTING WATER MAIN
- S EXISTING SEWERAGE
- SRM EXISTING SEWER RISING MAIN
- SWD EXISTING STORMWATER DRAINAGE
- E EXISTING UNDERGROUND ELECT
- E-OH EXISTING OVERHEAD ELECTRICAL
- STAGE BOUNDARY
- SITE BOUNDARY

REV	REVISION DESCRIPTION	DESIGN	DRAWN	DATE	SCALE
A	ISSUE FOR APPROVAL	DH	MT	11.12.24	1:2000 1:4000

SCALE	20	0	20	40	60	80	100m	A1	A3
1:2000									
1:4000									
COUNCIL									
TWEED SHIRE COUNCIL									

ASSOCIATED CONSULTANTS

B & P SURVEYS
CONSULTANTS

zone

zone
landscape Architecture

CIVIL 360
ENGINEERING

PROJECT MANAGEMENT
CIVIL ENGINEERING
LAND DEVELOPMENT

0406 424 223 / 0423 593 058
info@civil360.com.au

CLIENT

MAHERS LANE
DEVELOPMENTS PTY LTD

PROJECT

NORTH - TERRANORA
HENRY LAWSON DRIVE, TERRANORA
LOT 13 ON DP1264394

STATUS

ISSUE FOR APPROVAL

DRAWING TITLE

POST-DEVELOPMENT OVERALL
CATCHMENT PLAN

PROJECT No.

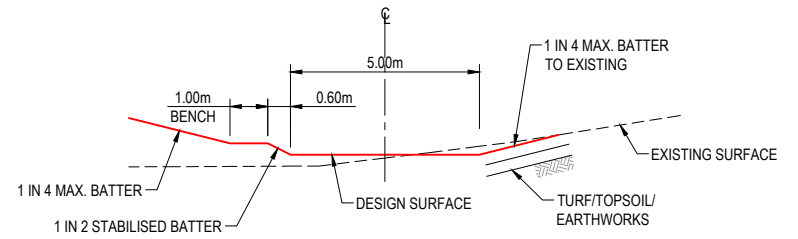
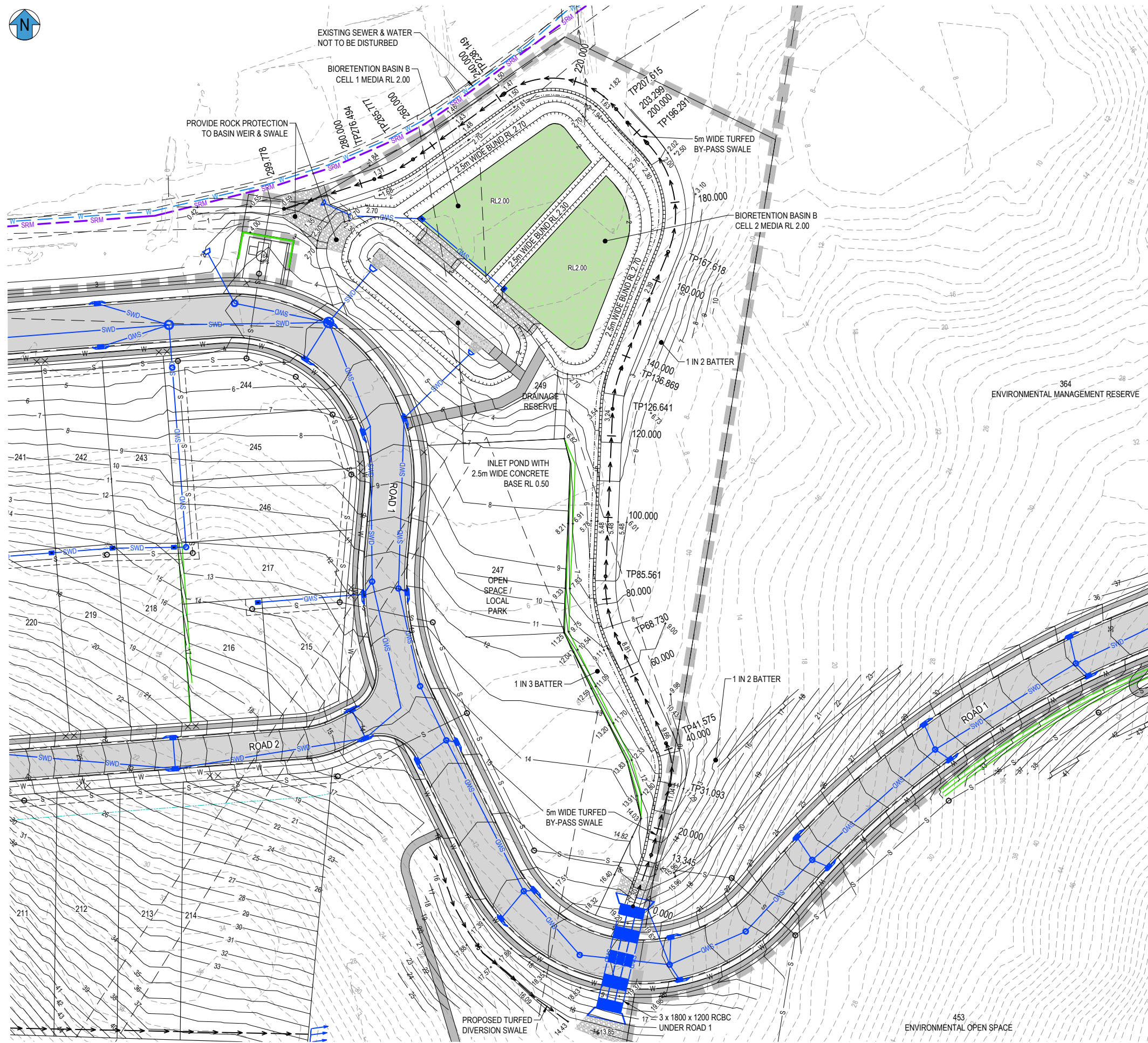
2023076

DRAWING No.

SK400

REVISION

A



MAJOR DRAINAGE CHANNEL
TYPICAL SECTION
SCALE 1:100

DEVELOPMENT APPLICATION NOTE:
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LEGEND

- 62.0 PROPOSED SURFACE CONTOURS (2.0m INTERVALS)
- 61.0 EXISTING REMEDIATION SURFACE CONTOURS
- SWD PROPOSED STORMWATER
- PROPOSED KERB
- PROPOSED ROAD AC PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- 1.2m WIDE PROPOSED FOOTPATH (U.N.O.)
- S PROPOSED SEWER MAIN
- W PROPOSED WATER MAIN
- SRM PROPOSED SEWER RISING MAIN
- PROPOSED RETAINING WALL
- W EXISTING TRUNK WATER MAIN
- S EXISTING SEWERAGE
- SRM EXISTING SEWER RISING MAIN
- SWD EXISTING STORMWATER DRAINAGE
- E EXISTING UNDERGROUND ELECT
- E-OH EXISTING OVERHEAD ELECTRICAL
- PROPOSED STAGE BOUNDARY



REV	REVISION DESCRIPTION	DESIGN/DRAWN	DATE	SCALE	ASSOCIATED CONSULTANTS	CIVIL 360	PROJECT MANAGEMENT	CLIENT	PROJECT	DRAWING TITLE	STATUS	PROJECT No.	DRAWING No.	REVISION
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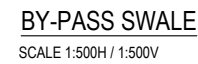
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Version: 1, Version Date: 09/01/2025

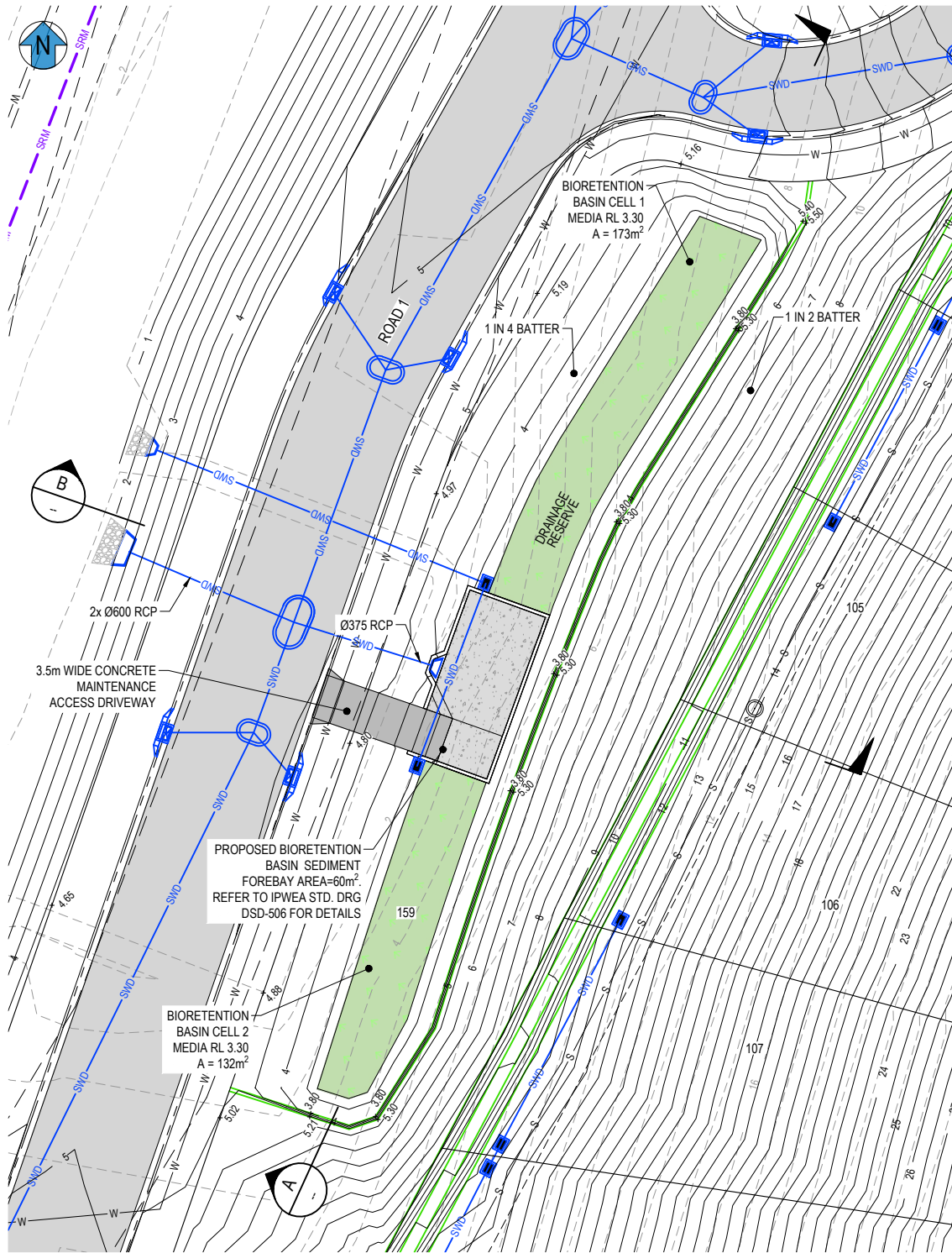
TWEED SHIRE COUNCIL

zone

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info@civil360.com.au

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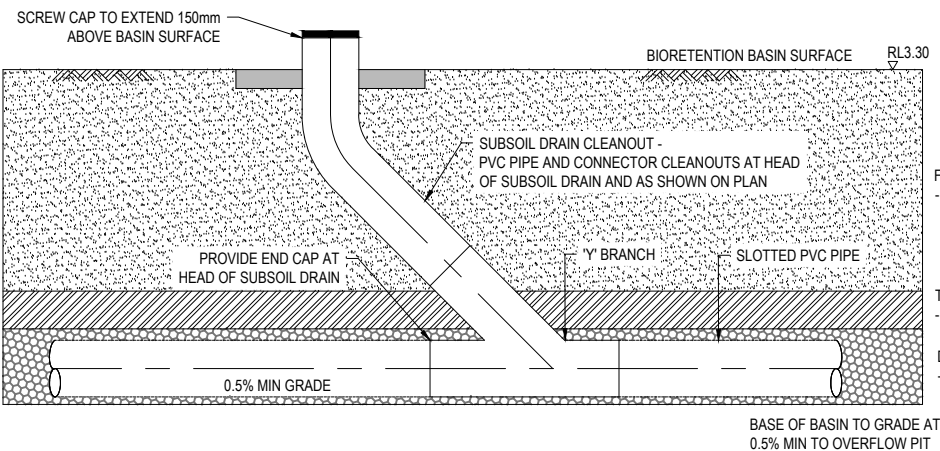


BASIN A LAYOUT
SCALE 1:250

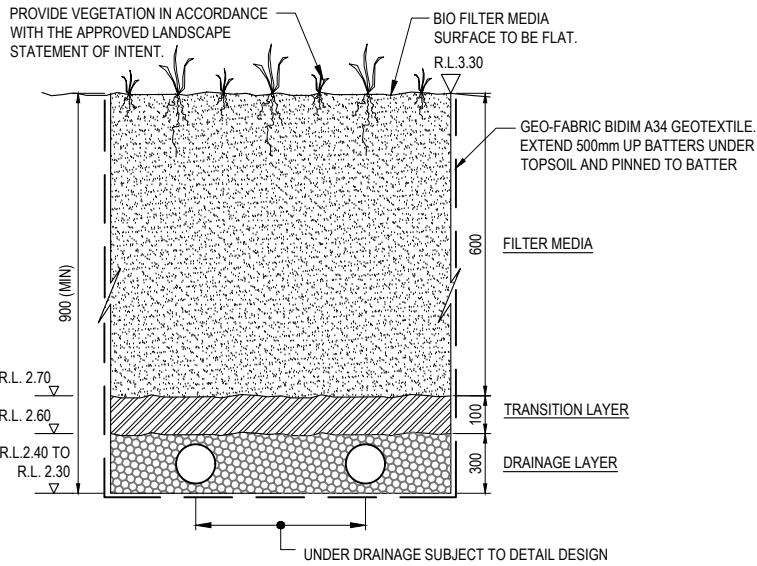
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SURFACE LEVEL: RL. 3.30
FILTER MEDIA SURFACE AREA = 306m² (MIN)

NOTE:
REFER TO BIOME STORMWATER
MANAGEMENT PLAN FOR FILTER MEDIA
DETAILS.

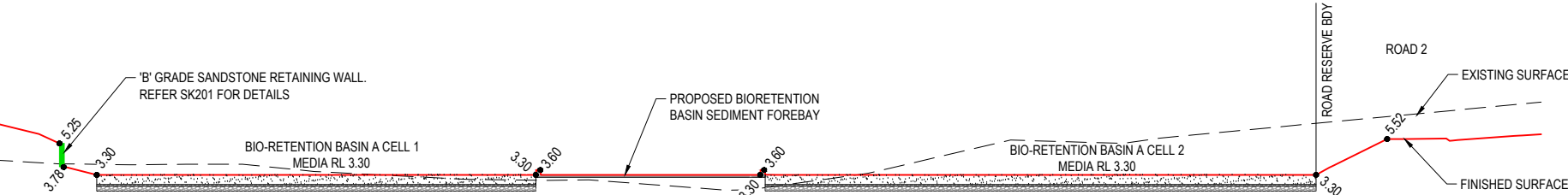
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ANY WORKS INCLUDING ROAD UPGRADES, STORMWATER
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DEVELOPMENT APPLICATION AND HAS BEEN SHOWN FOR
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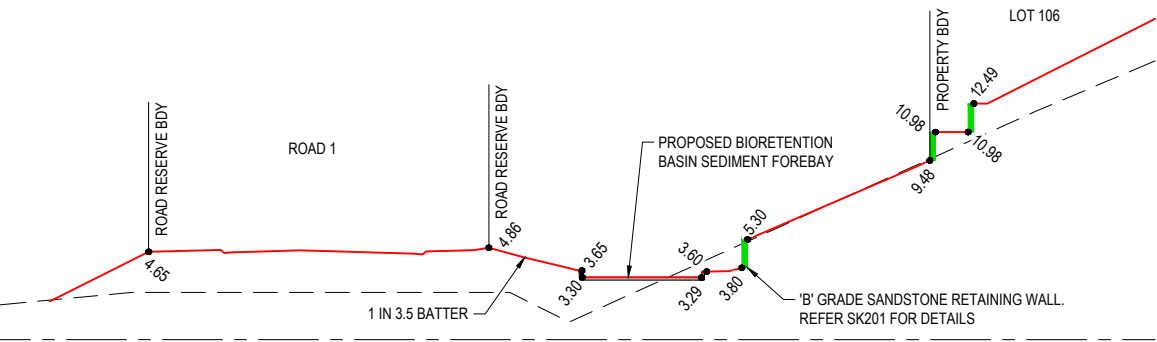
BIORETENTION BASIN SUBSOIL DRAIN CLEANOUT
N.T.S.



TYPICAL BIORETENTION MEDIA CROSS SECTION
N.T.S.



SECTION A
SCALE 1:200
SK410



SECTION B
SCALE 1:200
SK410

- LEGEND**
- DESIGN SURFACE CONTOURS (0.50m INTERVALS)
 - EXISTING REMEDIATION SURFACE CONTOURS (0.5m INTERVALS)
 - EXISTING SURFACE CONTOURS (0.5m INTERVALS)
 - PROPOSED KERB AND CHANNEL
 - PROPOSED STORMWATER PIPES
 - PROPOSED WATER MAIN
 - EXISTING TRUNK WATER MAIN
 - EXISTING SEWER RISING MAIN
 - PROPOSED SEWER MAIN
 - PROPOSED RETAINING WALL
 - PROPOSED SWALE DRAIN
 - ADJACENT BOUNDARY
 - FINISHED SURFACE LEVEL
 - PROPOSED ROAD PAVEMENT
 - PROPOSED FILTER MEDIA



REV	REVISION DESCRIPTION	DESIGN	DRAWN	DATE	SCALE	ASSOCIATED CONSULTANTS
A	ISSUE FOR APPROVAL	DH	MT	05.12.24	1:200 1:400 1:250 1:500	A1 A3 A1 A3

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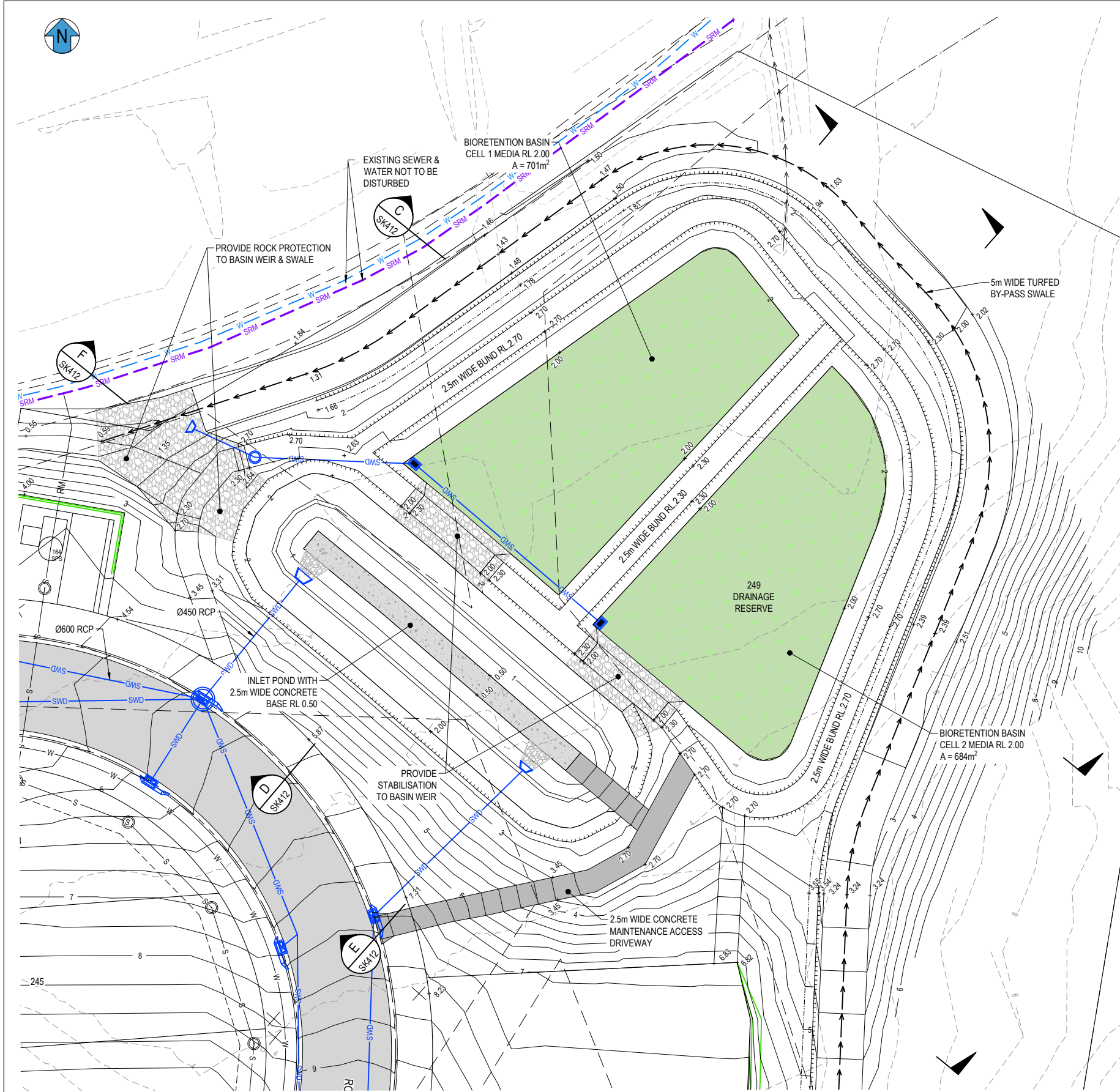
ASSOCIATED CONSULTANTS
B & P SURVEYS CONSULTING SURVEYORS
zone
zone landscape Architecture

CIVIL 360 ENGINEERING
PROJECT MANAGEMENT CIVIL ENGINEERING LAND DEVELOPMENT
0406 424 223 / 0423 593 058 info@civil360.com.au

CLIENT
MAHERS LANE DEVELOPMENTS PTY LTD

PROJECT
NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394
STATUS
ISSUE FOR APPROVAL

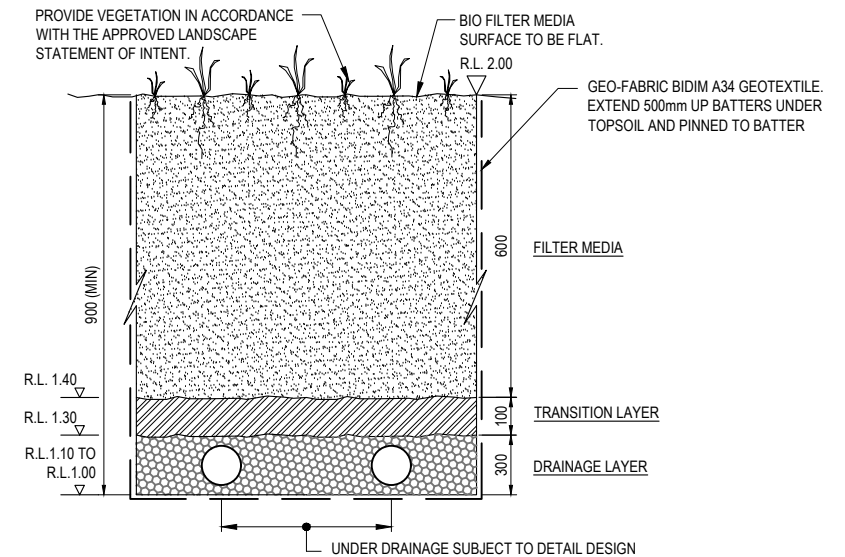
DRAWING TITLE
CONCEPT BIORETENTION BASIN A LAYOUT & DETAILS
PROJECT No.
2023076
DRAWING No.
SK440
REVISION
A



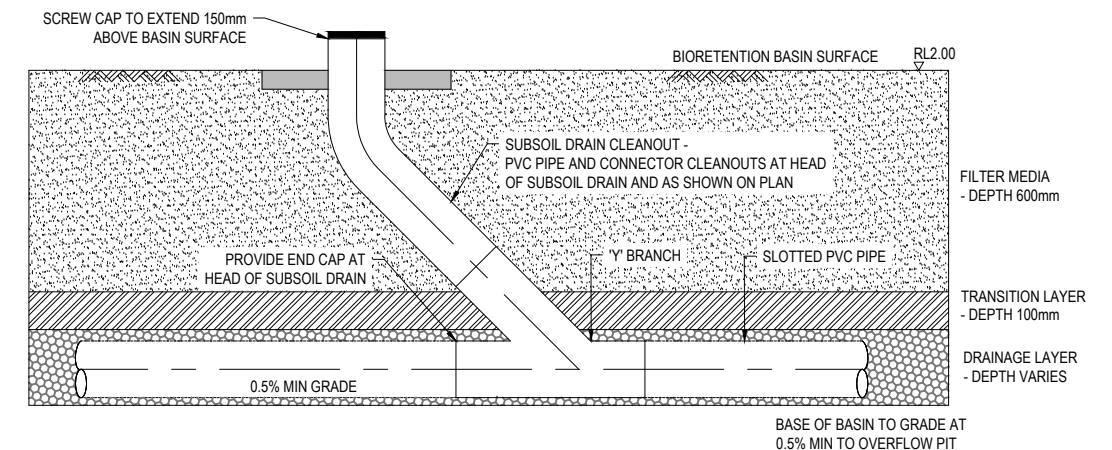
BASIN B LAYOUT
SCALE 1:250

BIO-RETENTION BASIN
SURFACE LEVEL: RL 2.00
FILTER MEDIA SURFACE AREA = 1385m² (MIN)
TOP OF BUND: RL 2.70

NOTE:
REFER TO BIOME STORMWATER
MANAGEMENT PLAN FOR FILTER MEDIA
DETAILS.



TYPICAL BIORETENTION MEDIA CROSS SECTION
N.T.S.



BIORETENTION BASIN SUBSOIL DRAIN CLEANOUT
N.T.S.

DEVELOPMENT APPLICATION NOTE:
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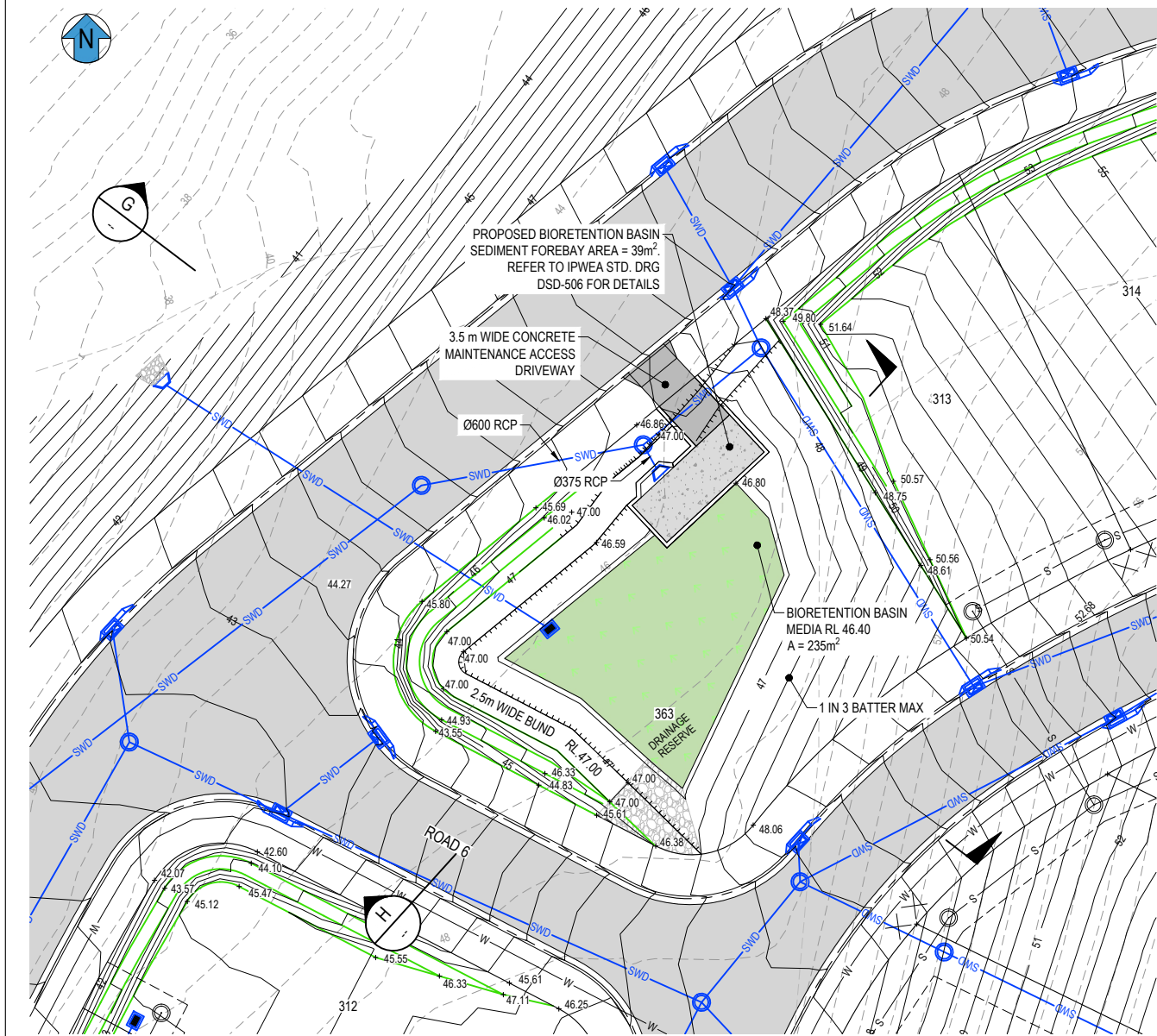
NOTE:
REFER SKETCH SK440 FOR NOTES AND LEGEND.



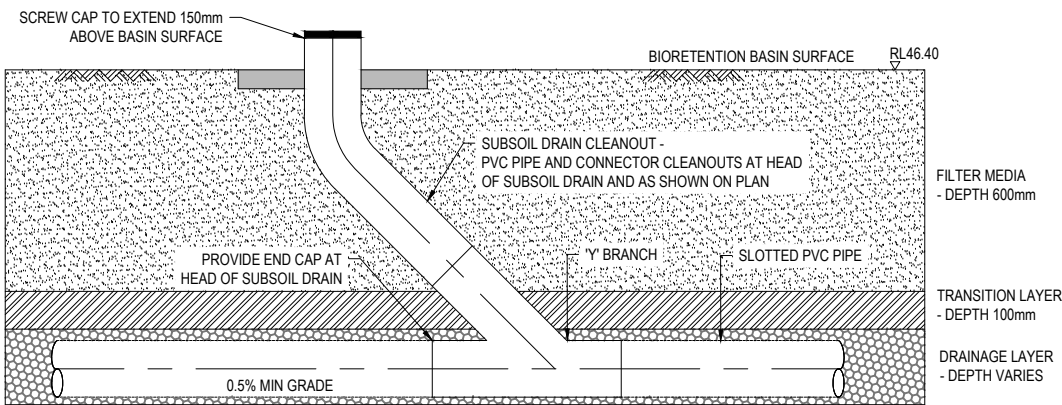
REV	REVISION DESCRIPTION	DESIGN	DRAWN	DATE	SCALE	ASSOCIATED CONSULTANTS	CLIENT	PROJECT	DRAWING TITLE	STATUS	PROJECT No.	DRAWING No.	REVISION
A	ISSUE FOR APPROVAL	DH	MT	05.12.24	1:250 1:500	B & P SURVEYS CONSULTING SURVEYORS zone zone LANDSCAPE ARCHITECTURE	CIVIL 360 ENGINEERING PROJECT MANAGEMENT CIVIL ENGINEERING LAND DEVELOPMENT	MAHERS LANE DEVELOPMENTS PTY LTD	NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394	ISSUE FOR APPROVAL	2023076	SK441	A

Document Set ID: 8250252
Version: 1, Version Date: 09/01/2025

TWEED SHIRE COUNCIL



BASIN C LAYOUT
SCALE 1:250



BIORETENTION BASIN SUBSOIL DRAIN CLEANOUT
N.T.S.

BIO-RETENTION BASIN

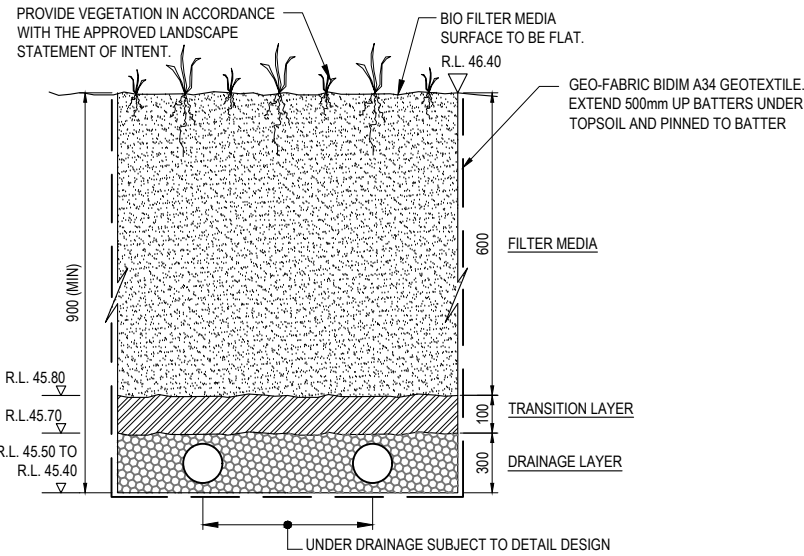
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TOP OF BUND: RL. 47.00

NOTE:

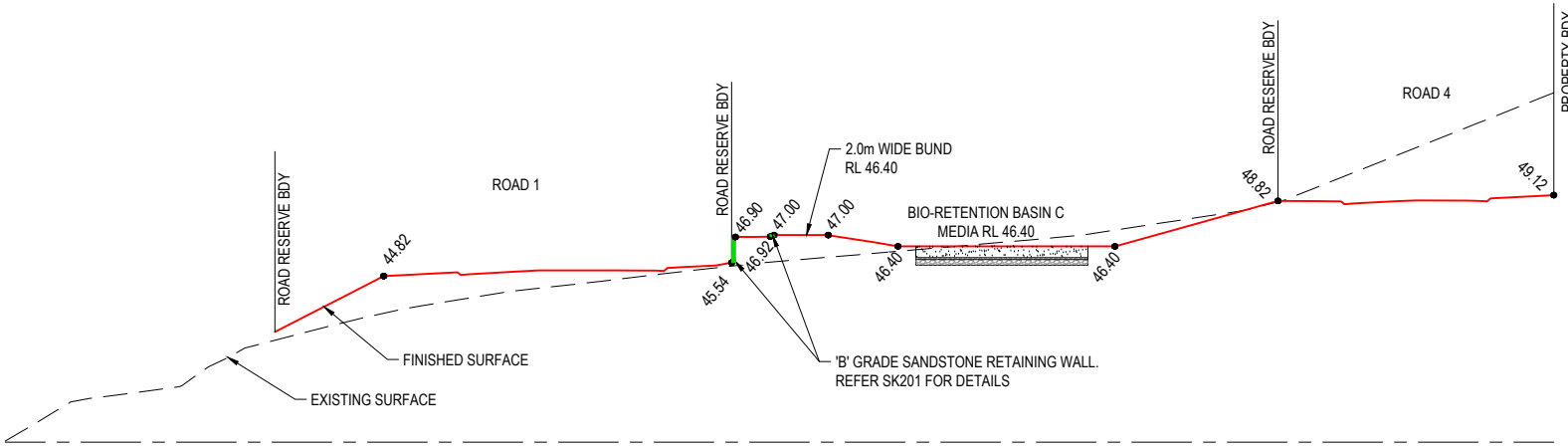
REFER TO BIOME STORMWATER
MANAGEMENT PLAN FOR FILTER MEDIA
DETAILS.

DEVELOPMENT APPLICATION NOTE:

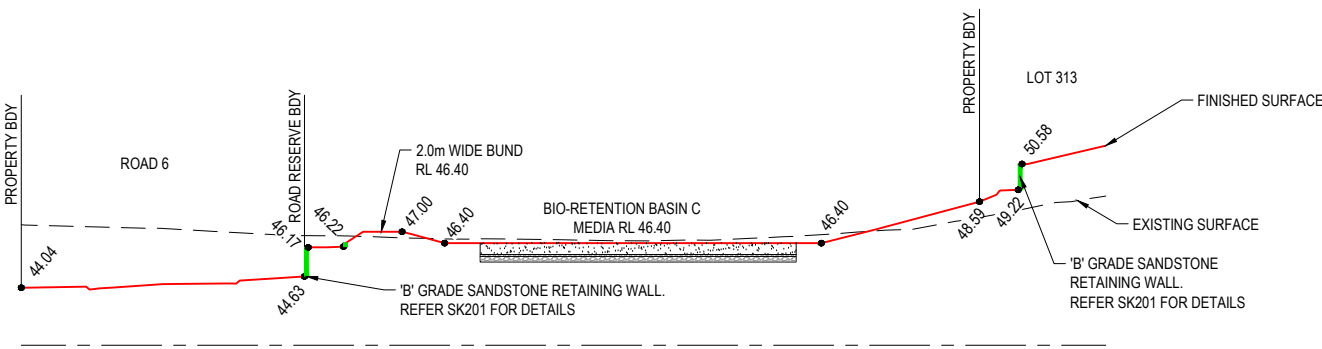
ANY WORKS INCLUDING ROAD UPGRADES, STORMWATER
WORKS, TRUNK INFRASTRUCTURE, ETC OUTSIDE THE
SUBJECT DEVELOPMENT SITE IS NOT SUBJECT TO THIS
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INFORMATION ONLY.



TYPICAL BIORETENTION MEDIA CROSS SECTION
N.T.S.



SECTION G
SCALE 1:200



SECTION H
SCALE 1:200

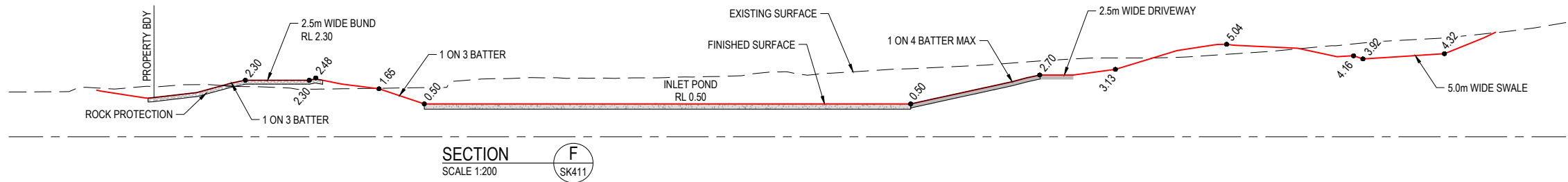
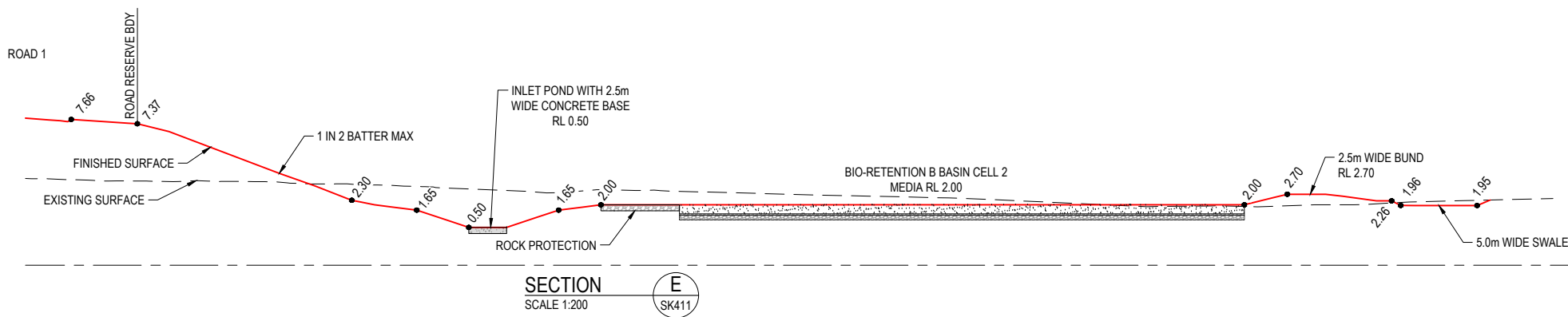
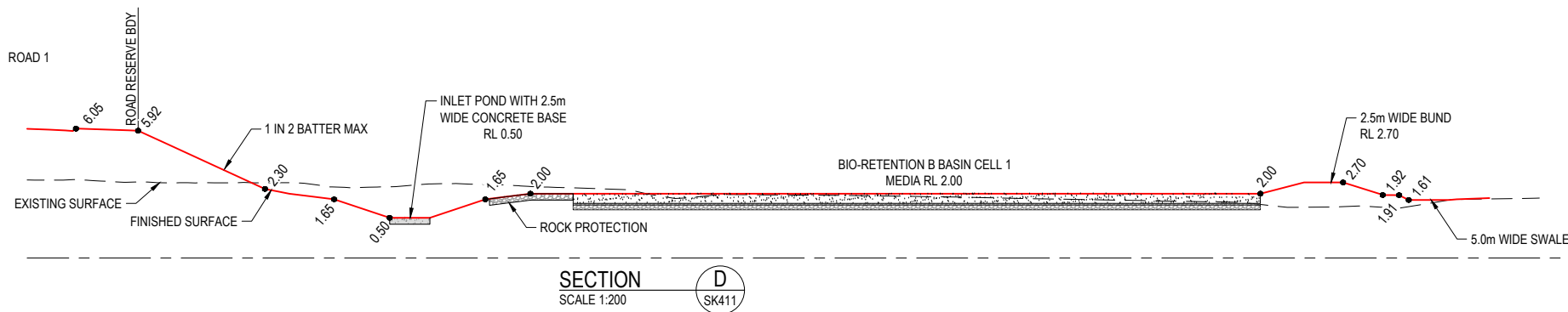
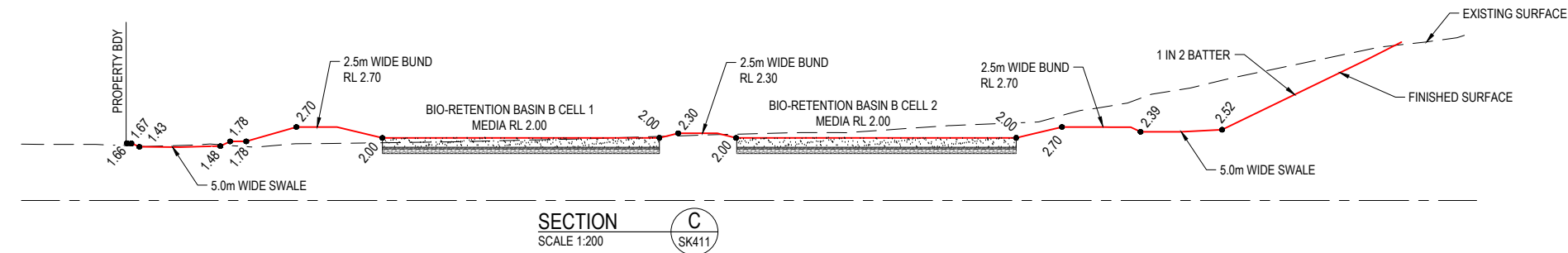
NOTE:

REFER SKETCH SK440 FOR NOTES AND LEGEND.

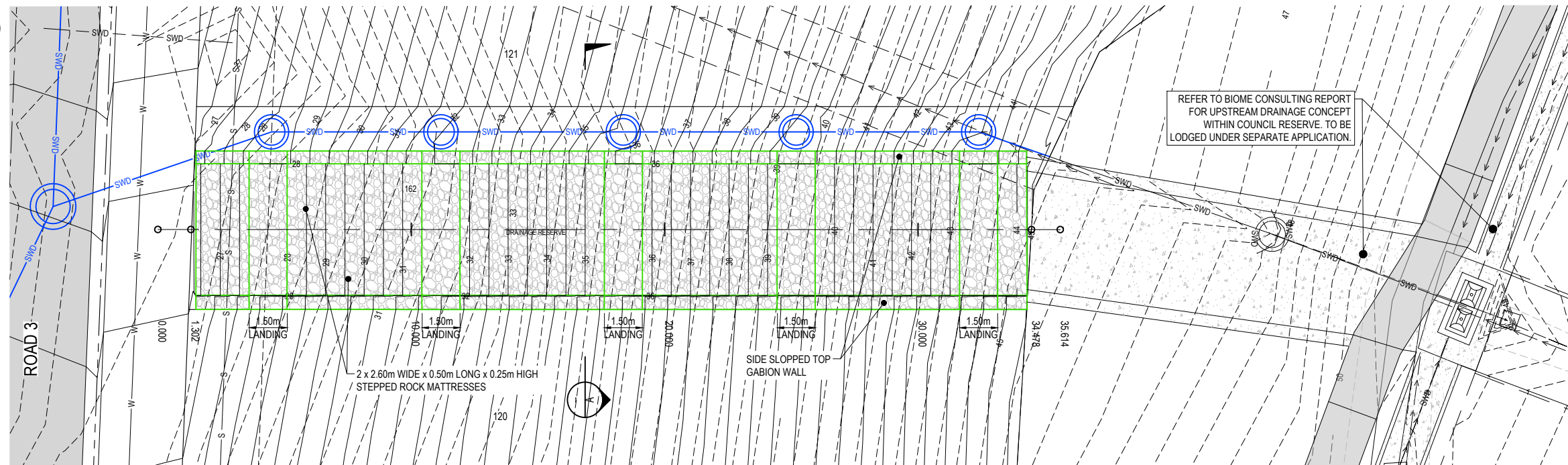


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						zone landscape Architecture	0406 424 223 / 0423 593 058 info@civil360.com.au			STATUS ISSUE FOR APPROVAL	PROJECT No. 2023076
											DRAWING No. SK443
											REVISION A

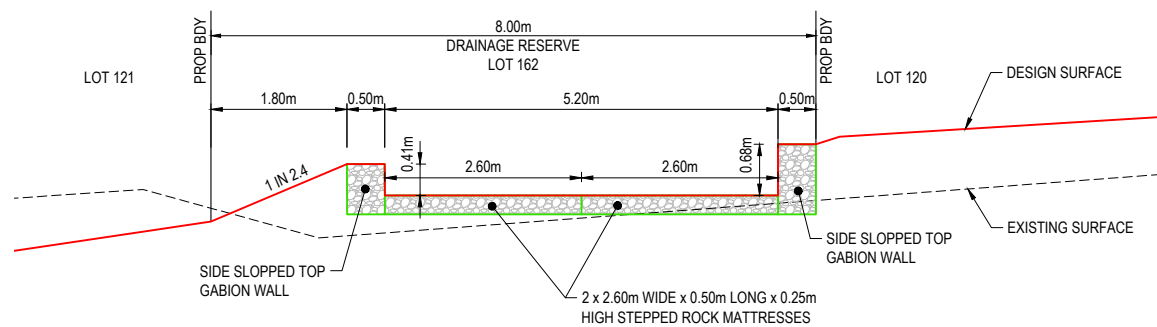
DEVELOPMENT APPLICATION NOTE:
ANY WORKS INCLUDING ROAD UPGRADES, STORMWATER WORKS, TRUNK INFRASTRUCTURE, ETC OUTSIDE THE SUBJECT DEVELOPMENT SITE IS NOT SUBJECT TO THIS DEVELOPMENT APPLICATION AND HAS BEEN SHOWN FOR INFORMATION ONLY.



REV		REVISION DESCRIPTION	DESIGN	DRAWN	DATE	SCALE	ASSOCIATED CONSULTANTS			CLIENT	PROJECT	DRAWING TITLE			
A		ISSUE FOR APPROVAL	DH	MT	05.12.24	1:200 1:400	B & P SURVEYS CONSULTING SURVEYORS   zone landscape Architecture  CIVIL 360 ENGINEERING PROJECT MANAGEMENT CIVIL ENGINEERING LAND DEVELOPMENT 0406 424 223 / 0423 593 058 info@civil360.com.au MAHERS LANE DEVELOPMENTS PTY LTD NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394 CONCEPT BIORETENTION BASIN B SECTIONS								
						COUNCIL	TWEED SHIRE COUNCIL				STATUS	ISSUE FOR APPROVAL	PROJECT No. 2023076	DRAWING No. SK442	REVISION A
Document Set ID: 8250252															



SCALE 1:100

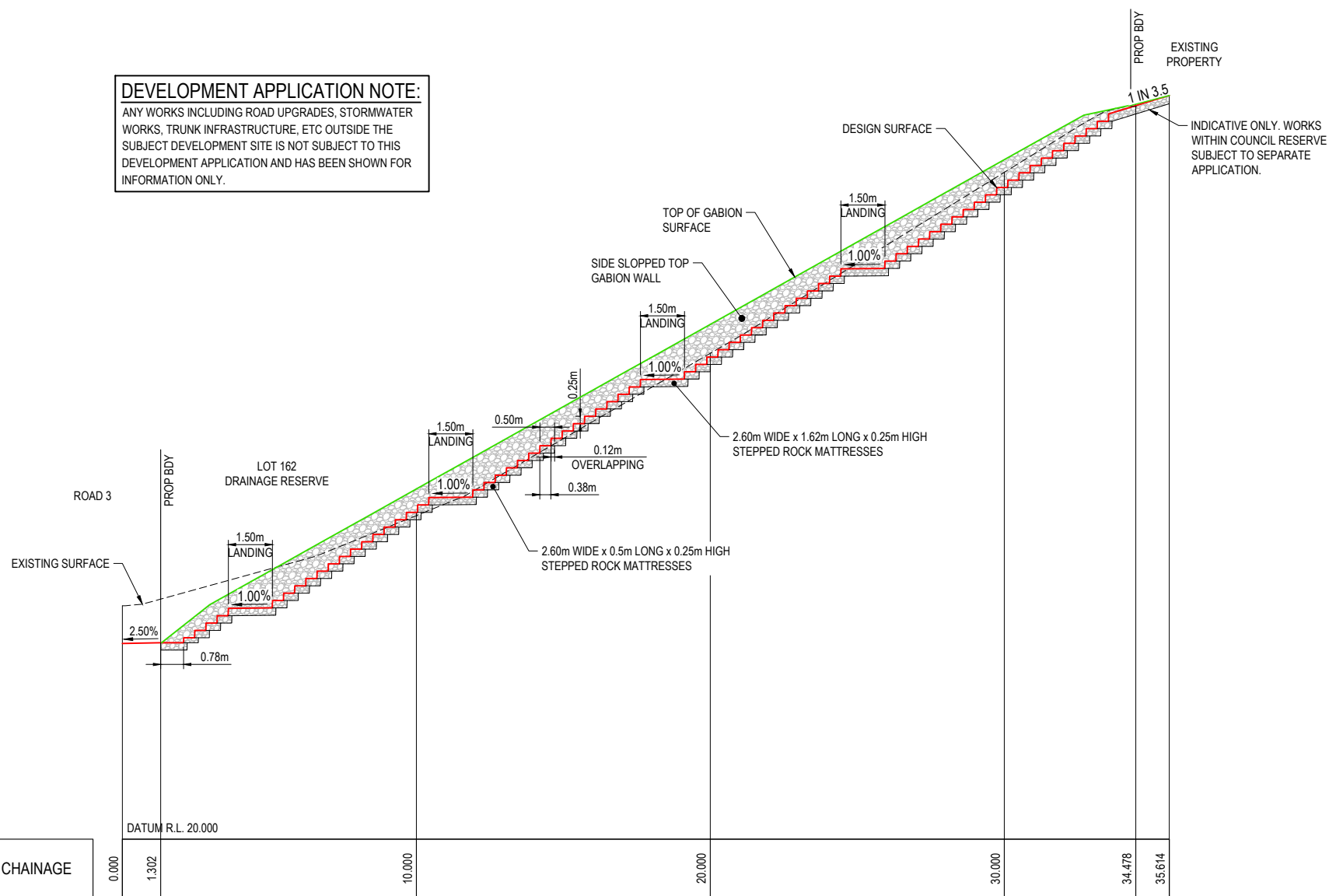


SCALE 1:50



NOT TO SCALE

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SCALE 1:100

Document Set ID: 8250252
Version: 1, Version Date: 09/01/2025

B. & P. SURVEYS
CONSULTING SURVEYORS

 **zone**
Landscape Architecture

CIVIL 360
ENGINEERING

PROJECT MANAGEMENT
CIVIL ENGINEERING
LAND DEVELOPMENT

0406 424 223 / 0423 593 058
info@civil360.com.au

MAHERS LANE
DEVELOPMENTS PTY LTD

NORTH - TERRANORA
HENRY LAWSON DRIVE, TERRANORA
LOT 13 ON DP1264394

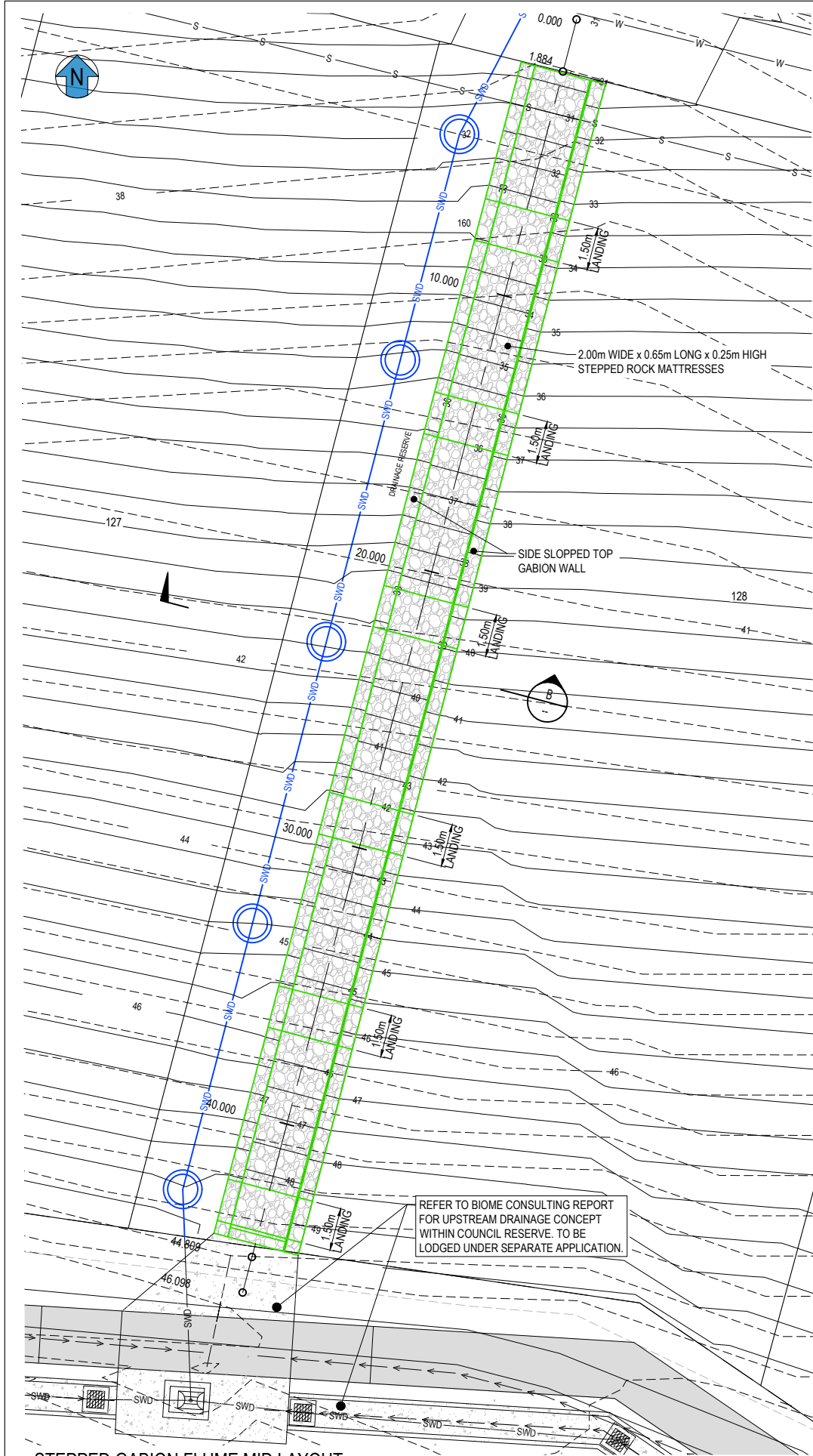
STATUS	ISSUE FOR APPROVAL
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STEPPED GABION FLUME WEST LAYOUT & SECTIONS

PROJECT No.	2023076
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DRAWING No.	SK450
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REVISION
B



STEPPED GABION FLUME MID LAYOUT

SCALE 1:100

REV	REVISION DESCRIPTION	DESIGN	DRAWN	DATE	SCALE
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					A3
					COUNCIL
					TWEED SHIRE COUNCIL

ASSOCIATED CONSULTANTS



CLIENT

MAHERS LANE
DEVELOPMENTS PTY LTD

PROJECT

NORTH - TERRANORA
HENRY LAWSON DRIVE, TERRANORA
LOT 13 ON DP1264394

STATUS

ISSUE FOR APPROVAL

DRAWING TITLE

STEPPED GABION FLUME MID
LAYOUT & SECTIONS

PROJECT No.

2023076

DRAWING No.

SK451

REVISION

B

NOTES:

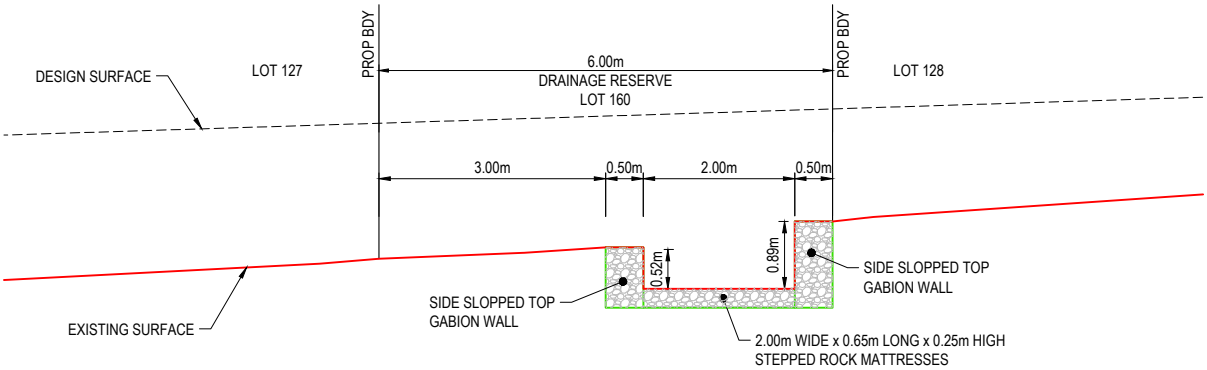
- REFER SKETCH SK450 FOR LEGEND AND TYPICAL (INDICATIVE) STEPPED GABIONS AND ROCK MATTRESSES IMAGE INSTALLATION.

NOTE:

ALL GABIONS AND ROCK MATTRESSES SIZES, OVERLAPPING AND CONFIGURATION TO BE CONFIRMED WITH STRUCTURAL ENGINEER AND SUPPLIER.

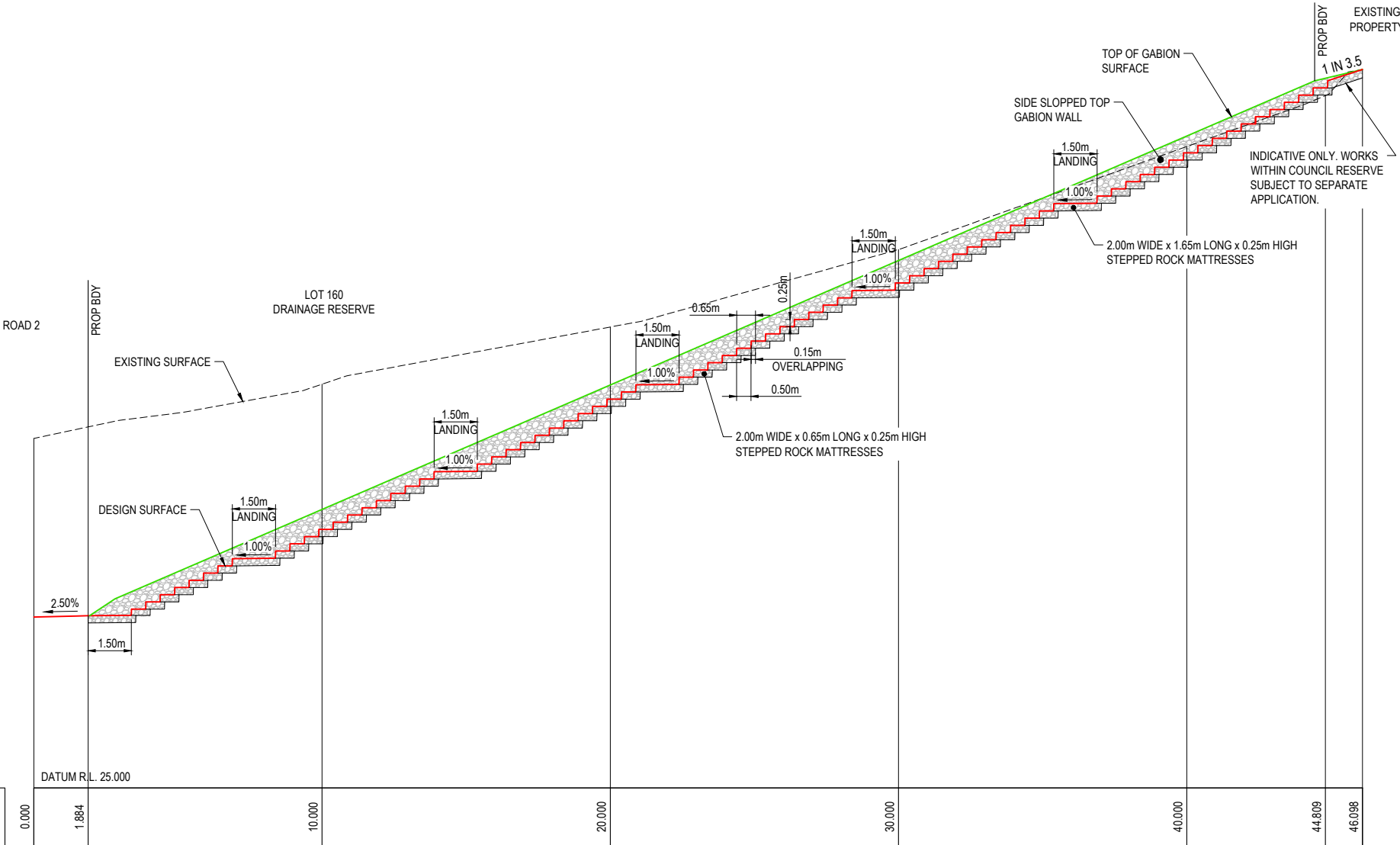
DEVELOPMENT APPLICATION NOTE:

ANY WORKS INCLUDING ROAD UPGRADES, STORMWATER WORKS, TRUNK INFRASTRUCTURE, ETC OUTSIDE THE SUBJECT DEVELOPMENT SITE IS NOT SUBJECT TO THIS DEVELOPMENT APPLICATION AND HAS BEEN SHOWN FOR INFORMATION ONLY.



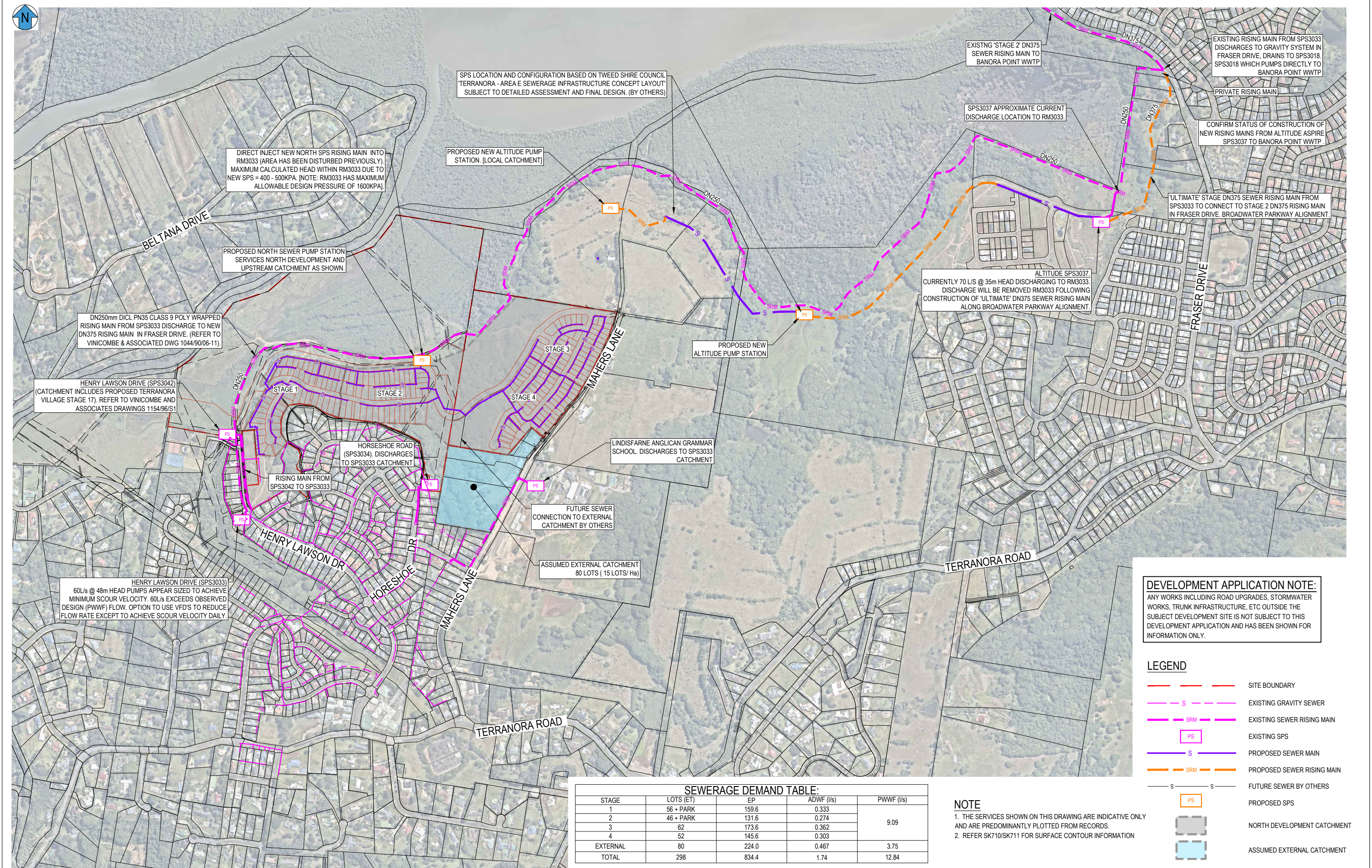
STEPPED GABION FLUME MID - SECTION B

SCALE 1:50



STEPPED GABION FLUME MID LONGITUDINAL SECTION

SCALE 1:100



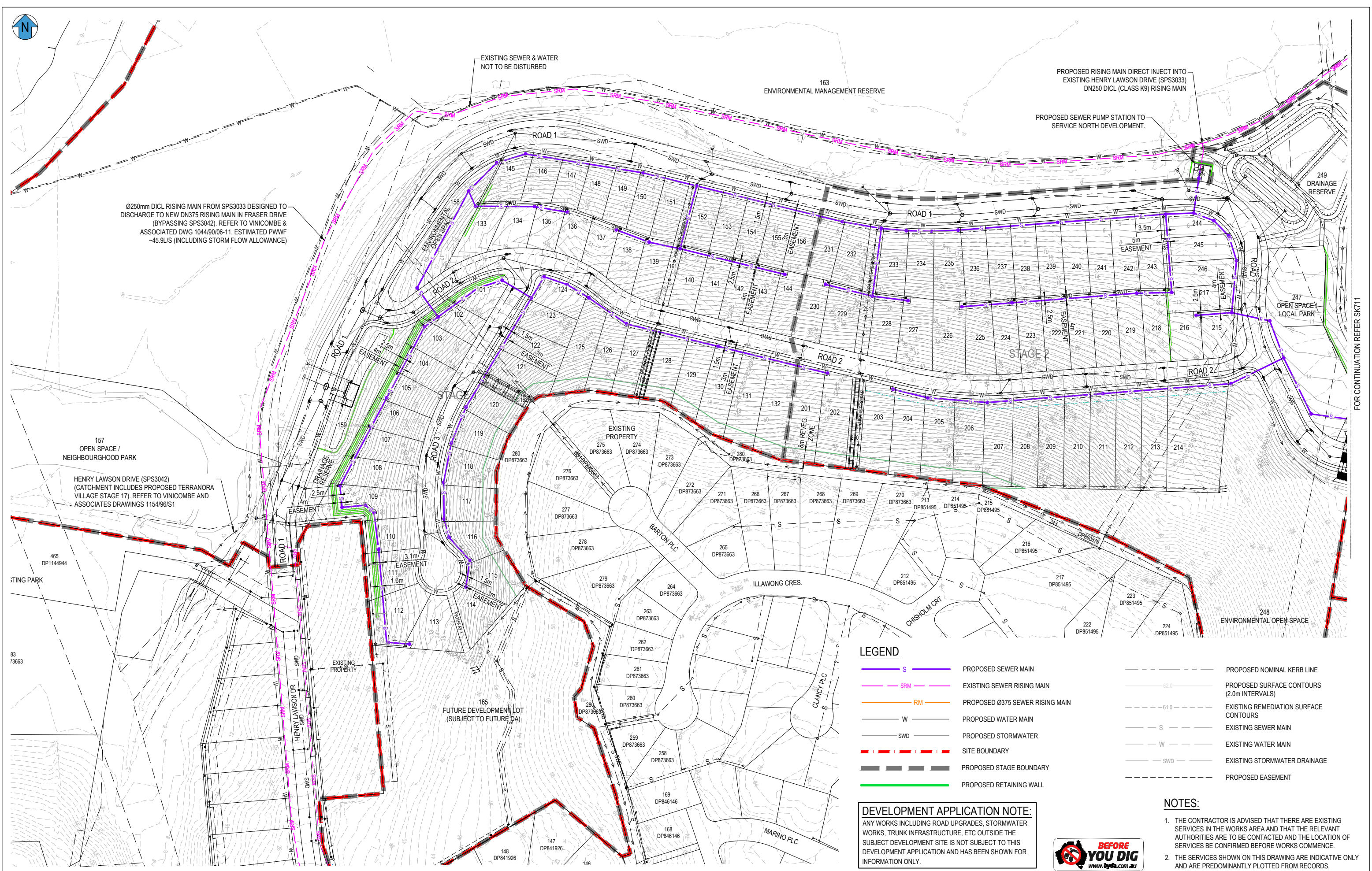
DEVELOPMENT APPLICATION NOTE:
ANY WORKS INCLUDING ROAD UPGRADES, STORMWATER WORKS, TRUNK INFRASTRUCTURE, ETC OUTSIDE THE SUBJECT DEVELOPMENT SITE IS NOT SUBJECT TO THIS DEVELOPMENT APPLICATION AND HAS BEEN SHOWN FOR INFORMATION ONLY.

LEGEND

- SITE BOUNDARY
- - - S - - - EXISTING GRAVITY SEWER
- - - SRM - - - EXISTING SEWER RISING MAIN
- PS EXISTING SPS
- - - S - - - PROPOSED SEWER MAIN
- - - SRM - - - PROPOSED SEWER RISING MAIN
- - - S - - - FUTURE SEWER BY OTHERS
- PS PROPOSED SPS
- North Development Catchment
- Assumed External Catchment

SEWERAGE DEMAND TABLE:				
STAGE	LOTS (ET)	EP	ADWF (l/s)	PWWF (l/s)
1	56 + PARK	159.6	0.333	9.09
2	46 + PARK	131.6	0.274	
3	62	173.6	0.362	
4	52	145.6	0.303	
EXTERNAL	80	224.0	0.467	3.75
TOTAL	298	834.4	1.74	12.84

NOTE
1. THE SERVICES SHOWN ON THIS DRAWING ARE INDICATIVE ONLY AND ARE PREDOMINANTLY PLOTTED FROM RECORDS.
2. REFER SK710/SK711 FOR SURFACE CONTOUR INFORMATION



LEGEND

- S PROPOSED SEWER MAIN
- SRM EXISTING SEWER RISING MAIN
- RM PROPOSED Ø375 SEWER RISING MAIN
- W PROPOSED WATER MAIN
- SWD PROPOSED STORMWATER
- SITE BOUNDARY
- PROPOSED STAGE BOUNDARY
- PROPOSED RETAINING WALL
- PROPOSED NOMINAL KERB LINE
- 62.0 PROPOSED SURFACE CONTOURS (2.0m INTERVALS)
- 61.0 EXISTING REMEDIATION SURFACE CONTOURS
- S EXISTING SEWER MAIN
- W EXISTING WATER MAIN
- SWD EXISTING STORMWATER DRAINAGE
- PROPOSED EASEMENT

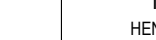
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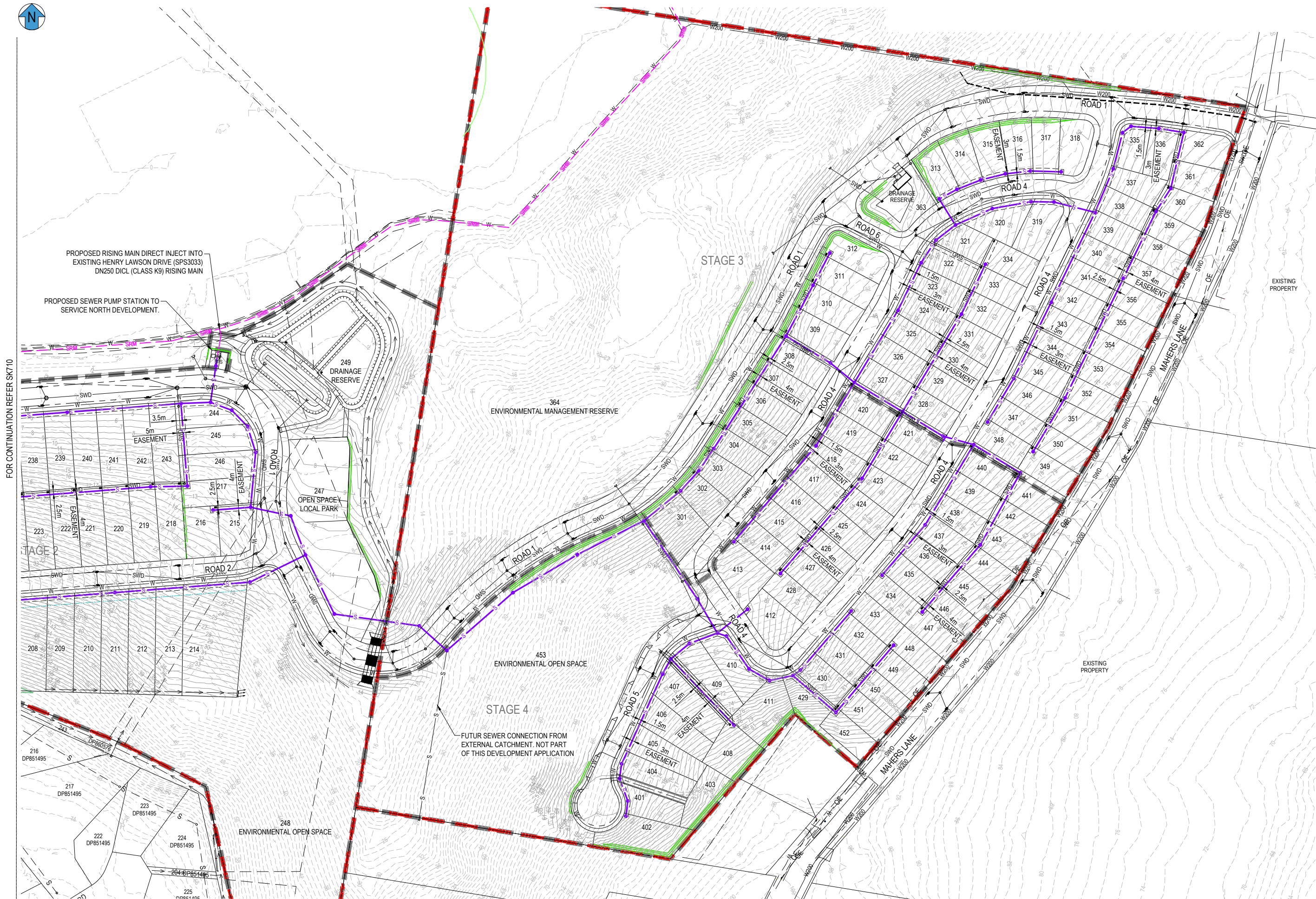
ANY WORKS INCLUDING ROAD UPGRADES, STORMWATER WORKS, TRUNK INFRASTRUCTURE, ETC OUTSIDE THE SUBJECT DEVELOPMENT SITE IS NOT SUBJECT TO THIS DEVELOPMENT APPLICATION AND HAS BEEN SHOWN FOR INFORMATION ONLY.

NOTES:

- THE CONTRACTOR IS ADVISED THAT THERE ARE EXISTING SERVICES IN THE WORKS AREA AND THAT THE RELEVANT AUTHORITIES ARE TO BE CONTACTED AND THE LOCATION OF SERVICES BE CONFIRMED BEFORE WORKS COMMENCE.
- THE SERVICES SHOWN ON THIS DRAWING ARE INDICATIVE ONLY AND ARE PREDOMINANTLY PLOTTED FROM RECORDS.

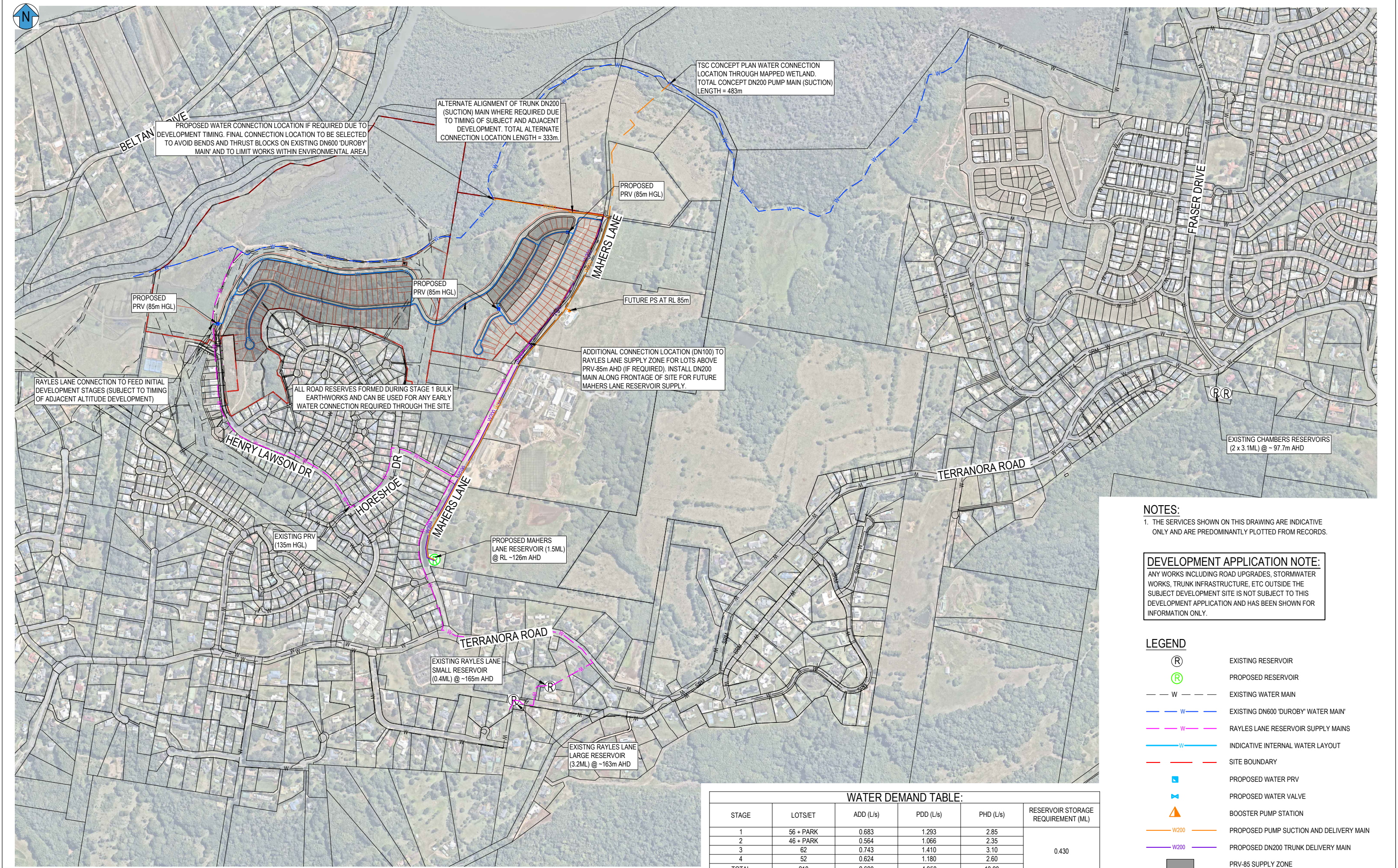


REV		REVISION DESCRIPTION	DESIGN	DRAWN	DATE	SCALE	ASSOCIATED CONSULTANTS		CLIENT	PROJECT	DRAWING TITLE			
A		ISSUE FOR APPROVAL	DH	MT	05.12.24	1 : 1000 1 : 2000	B & P SURVEYS COASTLINE SURVEYS     CIVIL 360 ENGINEERING  0406 424 223 / 0423 593 058 info@civil360.com.au MAHERS LANE DEVELOPMENTS PTY LTD NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394 CONCEPT SEWER RETICULATION PLAN SHEET 1 OF 2							
Document Set ID: 8250252						COUNCIL	TWEED SHIRE COUNCIL		STATUS		ISSUE FOR APPROVAL	PROJECT No. 2023076	DRAWING No. SK710	REVISION A



NOTE
REFER SK710 FOR LEGEND
AND NOTES.

REV		REVISION DESCRIPTION		DESIGN	DRAWN	DATE	SCALE		ASSOCIATED CONSULTANTS				CLIENT		PROJECT		DRAWING TITLE							
A	ISSUE FOR APPROVAL			DH	MT	05.12.24	1 : 1000 1 : 2000		 A1 A3						CIVIL 360 ENGINEERING PROJECT MANAGEMENT CIVIL ENGINEERING LAND DEVELOPMENT		MAHERS LANE DEVELOPMENTS PTY LTD		NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394		CONCEPT SEWER RETICULATION PLAN SHEET 2 OF 2			
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Document Set ID: 8250252																								

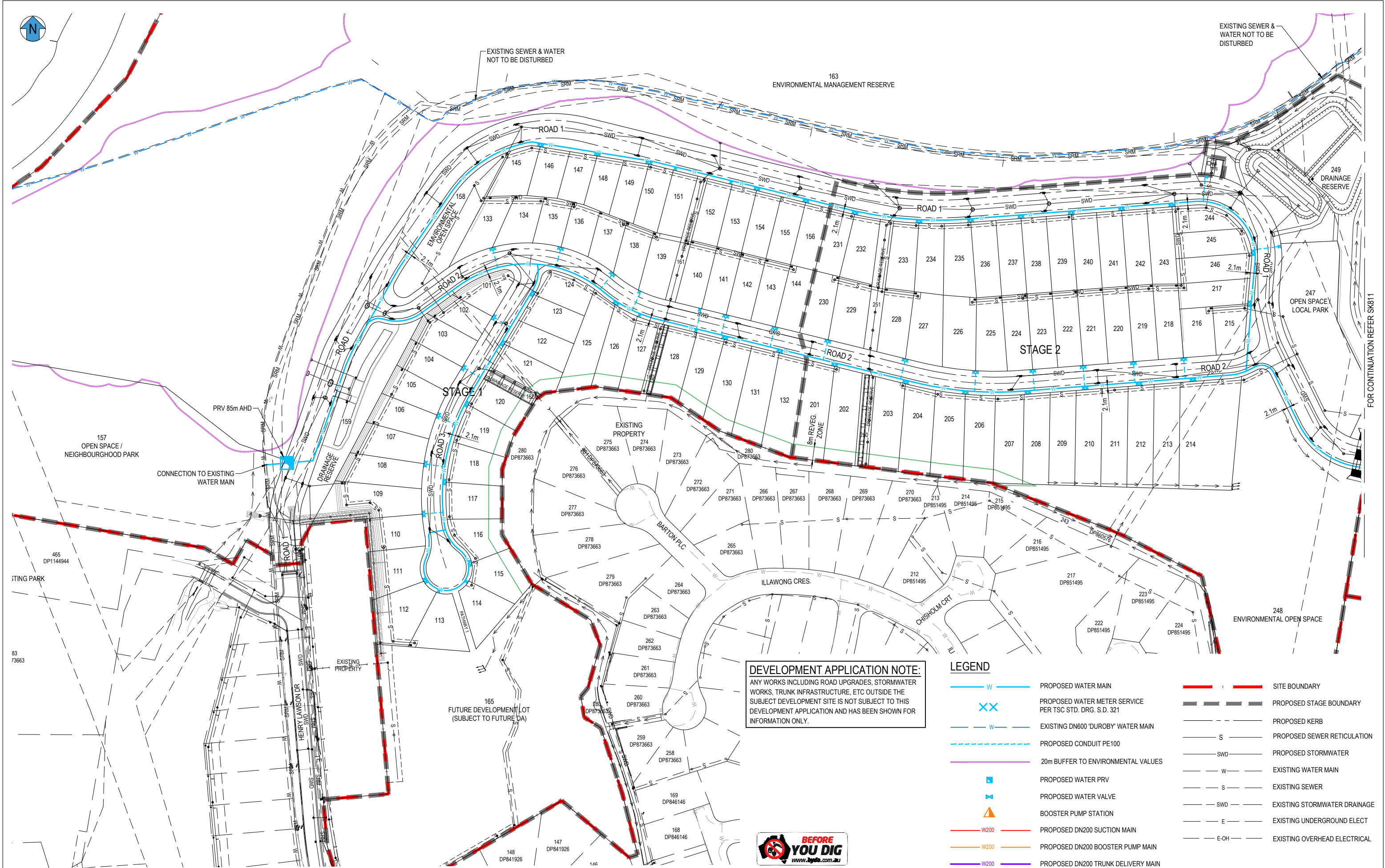


NOTES:
1. THE SERVICES SHOWN ON THIS DRAWING ARE INDICATIVE ONLY AND ARE PREDOMINANTLY PLOTTED FROM RECORDS.

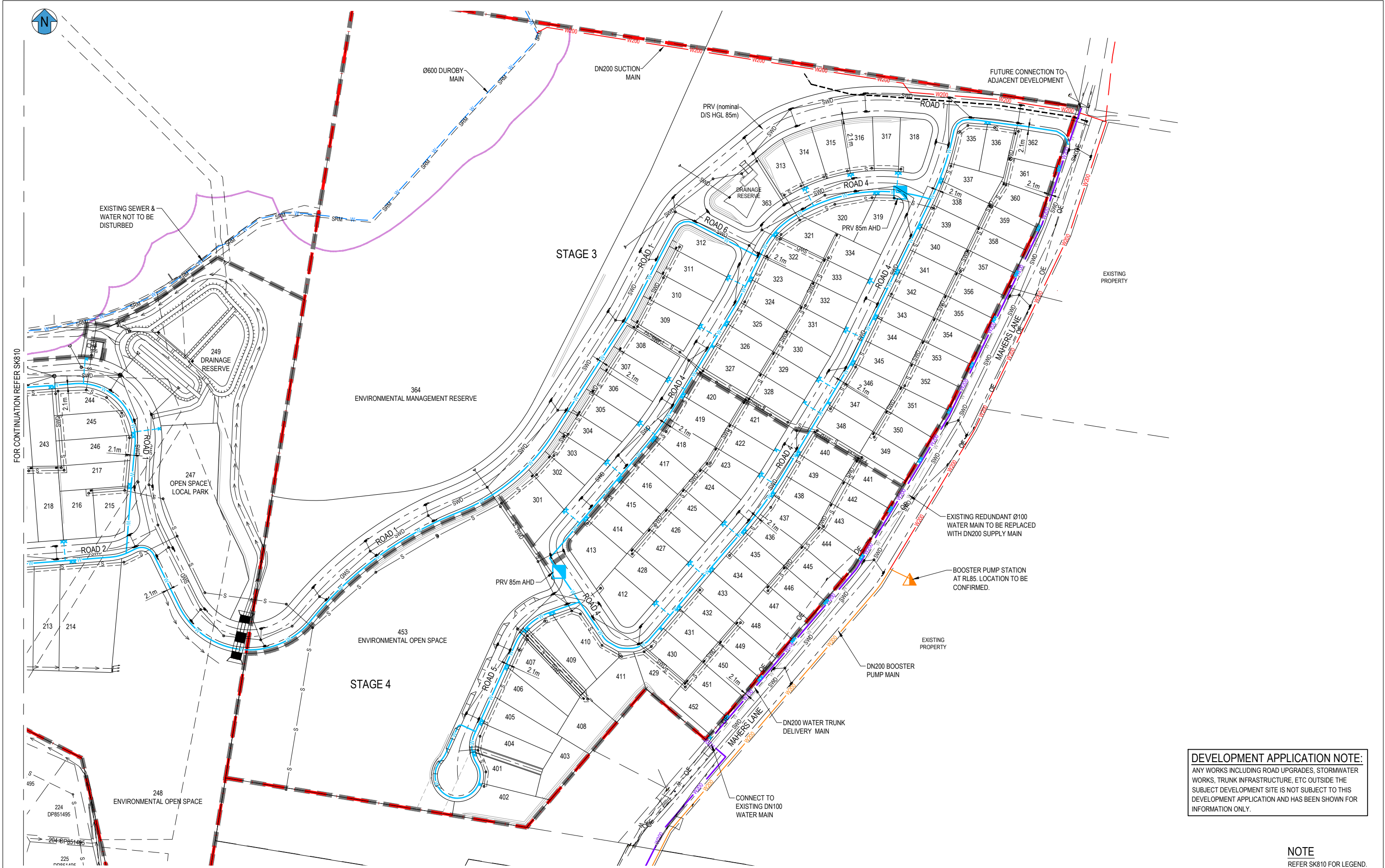
DEVELOPMENT APPLICATION NOTE:
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- LEGEND**
- (R) EXISTING RESERVOIR
 - (R) PROPOSED RESERVOIR
 - W --- EXISTING WATER MAIN
 - W --- EXISTING DN600 'DUROBY' WATER MAIN
 - W --- RAYLES LANE RESERVOIR SUPPLY MAINS
 - W --- INDICATIVE INTERNAL WATER LAYOUT
 - SITE BOUNDARY
 - PROPOSED WATER PRV
 - PROPOSED WATER VALVE
 - BOOSTER PUMP STATION
 - PROPOSED PUMP SUCTION AND DELIVERY MAIN
 - PROPOSED DN200 TRUNK DELIVERY MAIN
 - PRV-85 SUPPLY ZONE

WATER DEMAND TABLE:					
STAGE	LOTS/ET	ADD (L/s)	PDD (L/s)	PHD (L/s)	RESERVOIR STORAGE REQUIREMENT (ML)
1	56 + PARK	0.683	1.293	2.85	0.430
2	46 + PARK	0.564	1.066	2.35	
3	62	0.743	1.410	3.10	
4	52	0.624	1.180	2.60	
TOTAL	218	2.620	4.950	10.90	



REV		REVISION DESCRIPTION	DESIGN	DRAWN	DATE	SCALE	ASSOCIATED CONSULTANTS		CLIENT		PROJECT		DRAWING TITLE	
A		ISSUE FOR APPROVAL	DH	MT	11.12.24	1:1000 1:2000	B & P SURVEYS CONSULTING SURVEYORS		MAHERS LANE DEVELOPMENTS PTY LTD		NORTH - TERRANORA HENRY LAWSON DRIVE, TERRANORA LOT 13 ON DP1264394		CONCEPT WATER RETICULATION PLAN SHEET 1 OF 2	
TWEED SHIRE COUNCIL							zone landscape Architecture		CIVIL 360 ENGINEERING		STATUS ISSUE FOR APPROVAL		PROJECT No. 2023076	REVISION A
Document Set ID: 8250252 Version: 1, Version Date: 09/01/2025							zone		0406 424 223 / 0423 593 058 info@civil360.com.au		DRAWING No. SK810			



REV		REVISION DESCRIPTION	DESIGN	DRAWN	DATE	SCALE	ASSOCIATED CONSULTANTS		CLIENT	PROJECT	DRAWING TITLE		
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									MAHERS LANE DEVELOPMENTS PTY LTD	ISSUE FOR APPROVAL	2023076	DRAWING No. SK811	REVISION A