

PROPOSED SUBDIVISION OF LAND

LOTS 1722 DP1035524 CARRS DRIVE, YAMBA

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LEGEND PROPOSED

-----	STORMWATER PIPE	○ 10.00	PAVEMENT LEVEL
	GRATED PIT	-----	CONTOURS
	JUNCTION PIT	- - - - -	CATCHMENT BOUNDARY
	KERB INLET PIT	=====	EDGE STRIP
-----+-----	SEDIMENT FENCE	=====	KERB & GUTTER
	SEDIMENT TRAP	=====	LAYBACK KERB & GUTTER
	TEMPORARY CONSTRUCTION EXIT	=====	RETAINING WALL
		-----+-----	SUBSOIL DRAINAGE
		↑	SIGNPOST

LEGEND EXISTING

-----	STORMWATER LINE	+10.00	EXISTING SPOT LEVEL
	STORMWATER PIT	-----	EXISTING CONTOURS
-----+-----	WATER LINE	-----+-----	GAS LINE
-----+-----	SEWER LINE	-----+-----	ELECTRICAL LINE
-----+-----	TELSTRA LINE		

SERVICES ARE SHOWN INDICATIVE ONLY. CONTRACTOR TO CONFIRM ALL SERVICE LOCATIONS PRIOR TO CONSTRUCTION

DIMENSIONS SHALL BE NOT BE OBTAINED BY SCALING FROM THIS SET OF PLANS

GENERAL NOTES

- G1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH CLARENCE VALEY COUNCIL'S DEVELOPMENT CODE AND TO THE REQUIREMENTS OF COUNCIL'S AUTHORISED OFFICER.
- G2. INSPECTIONS BY THE AUTHORISED OFFICER SHALL BE CARRIED OUT AT THE FOLLOWING STAGES:
- (a) PRIOR TO INSTALLATION OF EROSION AND SEDIMENT CONTROL STRUCTURES
 - (b) PRIOR TO BACKFILLING PIPELINES, SUBSOIL DRAINS, TRENCH BEDDING AND DAMS
 - (c) PRIOR TO CASTING OF PITS AND OTHER CONCRETE STRUCTURES, INCLUDING KERB AND GUTTER
 - (d) PROOF ROLLER TEST OF SUBGRADE AND SUB-BASE
 - (e) ROLLER TEST OF COMPLETED PAVEMENT PRIOR TO PLACEMENT OF WEARING COURSE
 - (f) FORMWORKS PRIOR TO POURING CONCRETE IN PARKING AREA FOR FOOTPATH CROSSING AND OTHER ASSOCIATED WORK
 - (g) PRIOR TO BACKFILLING PUBLIC UTILITY CROSSINGS IN ROAD RESERVES
 - (h) PRIOR TO PLACEMENT OF ASPHALTIC CONCRETE
 - (i) FINAL INSPECTION AFTER ALL WORKS ARE COMPLETED AND 'WORKS AS EXECUTED' PLANS HAVE BEEN SUBMITTED TO COUNCIL.
- G3. NO TREES TO BE REMOVED UNLESS APPROVAL IS GRANTED BY COUNCIL.
- G4. MAKE SMOOTH JUNCTIONS WITH EXISTING WORKS.
- G5. NO WORK TO BE CARRIED OUT ON COUNCIL PROPERTY OR ADJOINING PROPERTIES WITHOUT THE WRITTEN PERMISSION FROM THE OWNER.
- G6. VEHICULAR ACCESS AND ALL SERVICES TO BE MAINTAINED AT ALL TIMES TO ADJOINING PROPERTIES AFFECTED BY CONSTRUCTION.
- G7. ALL RUBBISH, BUILDINGS, SHEDS AND FENCES TO BE REMOVED TO SATISFACTION OF COUNCIL'S ENGINEER AT COMPLETION OF WORKS.
- G8. A TRAFFIC CONTROL PLAN IS TO BE SUBMITTED TO COUNCIL WITH A SECTION 138 APPLICATION PRIOR TO COMMENCEMENT OF WORKS.
- G9. ALL FILL AREAS ARE TO BE INSPECTED BY A GEOTECHNICAL ENGINEER PRIOR TO STRIPPING AND ANY RECOMMENDATIONS REGARDING TREATMENT OF SALINE AFFECTATION ARE TO BE IMPLEMENTED.
- G10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF THE LOCATION OF ANY EXISTING SERVICES AFFECTING THE WORKS AREA, ANY DAMAGED SERVICES SHALL BE REPAIRED AT THE CONTRACTORS COST.

EARTHWORKS NOTES

- E1. EARTHWORKS TO BE CARRIED OUT TO THE SATISFACTION OF THE PCA AND GEOTECHNICAL ENGINEER. UNSOUND MATERIALS ARE TO BE REMOVED FROM ROADS AND LOTS PRIOR TO FILLING. THE CONTRACTOR IS TO ARRANGE AND MAKE AVAILABLE COMPACTION CERTIFICATES WHERE REQUIRED.
- E2. WHERE THE SLOPE OF THE NATURAL SURFACE EXCEEDS ONE IN FOUR (1:4), BENCHES ARE TO BE CUT TO PREVENT SLIPPING OF THE PLACED FILL MATERIAL AS REQUIRED BY THE PCA AND GEOTECHNICAL ENGINEER.
- E3. ALL BATTERS ARE TO BE SCARIFIED TO ASSIST WITH ADHESION OF TOP SOIL TO BATTER FACE.
- E4. PROVIDE MINIMUM 150mm AND MAXIMUM 300mm TOPSOIL WITH GRASS SEEDING ON FOOTPATHS, FILLED AREAS AND ALL OTHER AREAS DISTURBED DURING CONSTRUCTION.
- E5. THE CONTROL TESTING OF EARTHWORKS SHALL BE IN ACCORDANCE WITH THE GUIDELINES IN AUSTRALIAN STANDARD 3798 - 2007. WHERE IT IS PROPOSED TO USE TEST METHOD AS1289.5.8.1 OR AS1289.5.7.1 TO DETERMINE THE FIELD DENSITY. THE GEOTECHNICAL TESTING AUTHORITY SHALL HAVE A LEVEL 1 RESPONSIBILITY FOR ALL FILLING AS DEFINED IN APPENDIX B AS 3798-2007, AND AT THE END OF THE WORKS SHALL CONFIRM THE EARTHWORKS COMPLY WITH THE REQUIREMENTS OF THE SPECIFICATION AND DRAWINGS.
- E6. THE CONTRACTOR SHALL CONTROL SEDIMENTATION, EROSION AND POLLUTION DURING CONSTRUCTION IN ACCORDANCE WITH MANAGING URBAN STORWATER: SOILS AND CONSTRUCTION VOLUME 1 (LANDCOM 2004) AND MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION VOLUME 2 (DEPARTMENT OF ENVIRONMENT AND CLIMATE CHANGE 2007).

ROADWORKS NOTES

- R1. SUBGRADE, SUB-BASE, AND BASE TO BE COMPACTED IN ACCORDANCE WITH KIAMA DEVELOPMENT CODE.
- R2. SUBSOIL DRAINS TO BE PROVIDED ON BOTH SIDES OF ROADS (EXCEPT WHERE THERE IS STORM WATER DRAINAGE).
- R3. 150 X 100 H.D. GALVANISED STEEL KERB OUTLETS TO BE PLACED IN LAYBACK KERB AND 90mm DIA. GALVANISED STEEL PIPE SECTION TO BE PLACED IN UPRIGHT KERB ON LOW SIDE OF LOTS. PROVIDE SUITABLE ADAPTOR TO ALLOW CONNECTION OF 90mm DIA. STORM WATER PIPE.
- R4. TEMPORARY SEAL IS TO FINISH FLUSH OR ABOVE LIP OF GUTTER NOT BELOW LIP.
- R5. PERAMBULATOR CROSSINGS TO BE PROVIDED IN ALL KERB RETURNS OR WHERE REQUIRED BY COUNCIL.
- R6. SERVICE CONDUITS TO BE PLACED AS DIRECTED BY ENDEAVOUR ENERGY, TELECOMMUNICATIONS AND AS REQUIRED BY THE SYDNEY WATER.
- R7. PROPOSED SERVICES CROSSING EXISTING ROADS SHALL BE THRUST BORED UNDER THE ROAD SO AS NOT TO DAMAGE EXISTING SURFACE.
- R8. ALL ROADS MUST BE SEALED WITH EITHER 25mm GAP GRADED AC10 WITH 7mm PRIMER SEAL OR 40mm GAP GRADED AC10. REFER TO SHEET 5 FOR PAVEMENT DEPTHS.
- R9. SIGNPOSTING AND LINEMARKING TO CONFORM WITH AS1742.2 RAISED RETRO- REFLECTIVE PAVEMENT MARKERS TO CONFORM WITH AS1906.
- R10. STREET SIGNS TO COMPLY WITH COUNCIL'S SPECIFICATION FOR STREET NAME SIGNS AND MUST BE INSTALLED BY THE DEVELOPER.
- R11. ALL LEVELS ARE TO BE SET OUT FROM ESTABLISHED STATE SURVEY MARKS.

STORMWATER NOTES

- S1. ALL PIPES TO BE SPIGOT AND SOCKET, RUBBER RING JOINTED. ALL PIPES IN ROAD RESERVES (OTHER THAN ROOF WATER AND SUBSOIL) ARE TO BE STEEL REINFORCED CONCRETE PIPES.
- S2. ALL LONGITUDINAL PIPELINES IN ROADS MUST BE LOCATED UNDER KERB AND GUTTER AND BE BACKFILLED WITH 7mm AGGREGATE WHERE 10-15% OF FINES IS ALLOWABLE UNLESS OTHERWISE INDICATED ON PLANS AND APPROVED BY COUNCIL.
- S3. DRAINAGE LINES MUST BE BACKFILLED AS PER KIAMA DEVELOPMENT CODE C221 PIPE DRAINAGE. THREE (3) METRES OF AGLINE WRAPPED IN GEOTECH STOCKING MUST BE PROVIDED TO ALL DOWNSTREAM PITS.
- S4. ALL GULLY PITS TO COUNCIL'S STANDARD AND LINTELS CENTRALLY PLACED AT SAG PITS.
- S5. ALL PITS MUST BE BENCHED AND STREAMLINED. PROVIDE SL72 REINFORCEMENT AND STEP IRONS IN ALL PITS OVER 12M DEEP.
- S6. CONCRETE TO HAVE MINIMUM COMPRESSIVE STRENGTH OF 25 MPA AT 28 DAYS UNLESS SPECIFIED OTHERWISE BY COUNCIL ENGINEER.
- S7. ALL INTER ALLOTMENT DRAINAGE MUST HAVE A MINIMUM COVER OF 300mm TO THE TOP OF PIPE UNLESS OTHERWISE APPROVED BY THE COUNCIL ENGINEER.
- S8. CATCH DRAINS MUST BE CONSTRUCTED AS PER SWMP.
- S9. ALL COMMON DRAINAGE LINES MUST BE LAID CENTRALLY WITHIN 12m-3.0m EASEMENTS. CLEANING EYES MUST BE PROVIDED IMMEDIATELY DOWNSTREAM OF ALL SLOPE JUNCTIONS.
- S10. ONE HUNDRED (100) YEAR OVERLAND FLOW PATHS MUST BE FORMED AND SHOWN ON WORK AS EXECUTED DRAWINGS.
- S11. ADEQUATE PROVISION TO BE MADE FOR SCOURING AND SEDIMENTATION TO ALL DRAINAGE WORKS IN ACCORDANCE WITH KIAMA DEVELOPMENT CODE.
- S12. COMMON DRAINAGE LINES MUST BE INSTALLED AFTER SEWERAGE LINES HAVE BEEN INSTALLED WHERE SEWER IS PROPOSED ADJACENT TO INTER ALLOTMENT

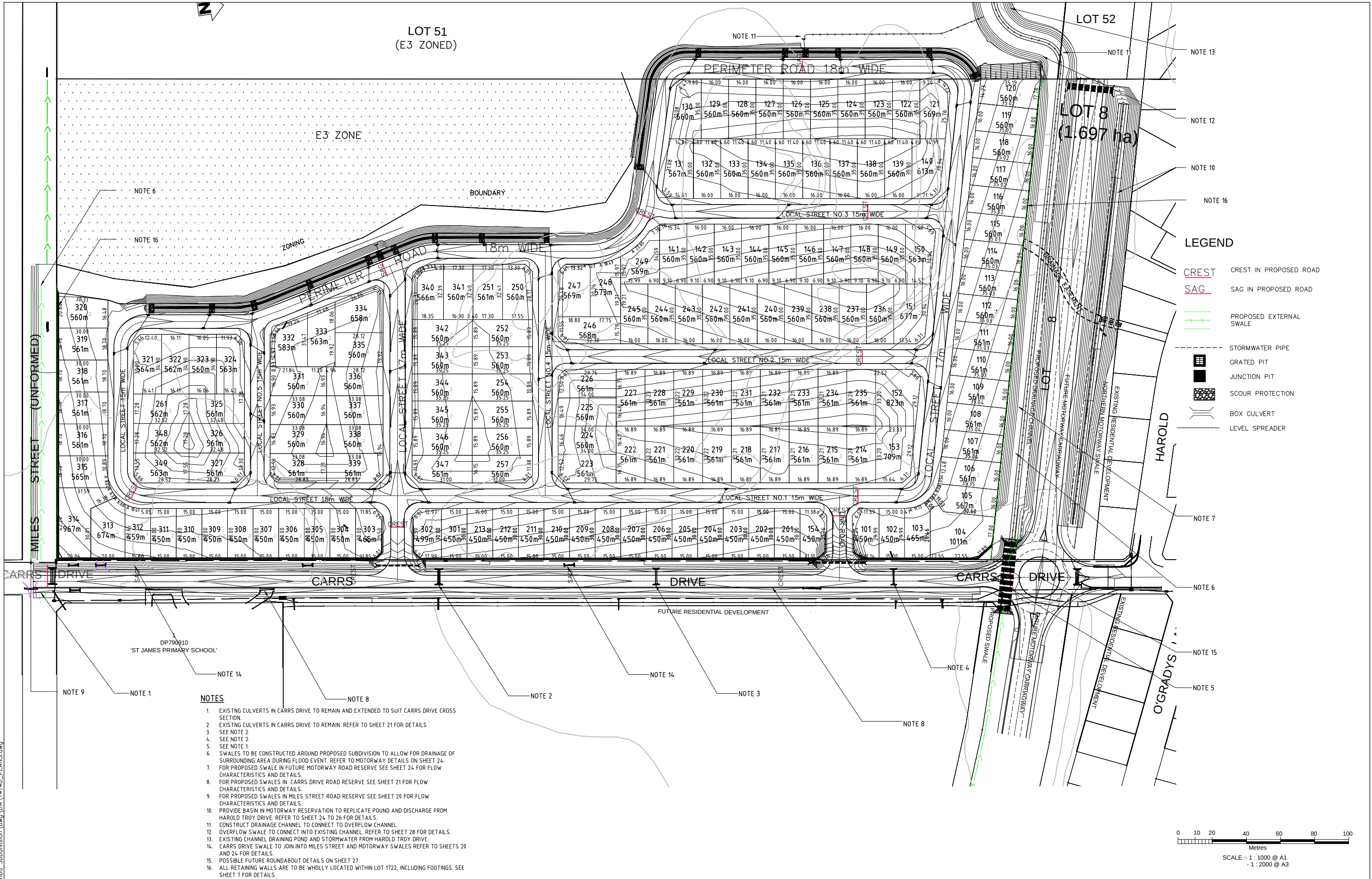
GEOTECHNICAL NOTES

- G1. THE CONTRACTOR SHALL IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY, AND TO THE SATISFACTION OF COUNCIL PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND DURING CONSTRUCTION SEE SWMP.
- G2. TESTS SHALL BE UNDERTAKEN ON ANY PROPOSED FILL MATERIALS TO ENSURE THAT THEY DO NOT HAVE A HIGH DISPERSION POTENTIAL AS DEFINED BY EMERSON (CRUMB/DISPERSION TESTS (AS1289 C8-1980)
- G73. ALL FILLING AND PAVEMENT CONSTRUCTION MUST BE UNDERTAKEN TO THE REQUIREMENTS OF AS3798-2007 THE FOLLOWING COMPACTION LEVELS ARE RECOMMENDED:
- | | | |
|----------------|------|----------|
| LOT FILLING | 98% | STANDARD |
| ROAD SUB-GRADE | 100% | STANDARD |
| ROAD SUB-BASE | 95% | MODIFIED |
| ROAD BASE | 98% | MODIFIED |
- G74. ALL TESTING WORKS SHALL BE CONTROLLED AND CERTIFIED BY A N.A.T.A REGISTERED LABORATORY. A COLLATED COPY OF ALL TEST CERTIFICATES, ACCOMPANIED BY AN OVERALL SITE PLAN, CLEARLY INDICATING THE LOCATION OF EACH TEST AND FILL AREAS ETC, AND THE LABORATORY CERTIFICATE COVERING THE WHOLE OF THE AREA TESTED ARE TO BE FORWARDED TO COUNCIL UPON COMPLETION.
- G75. FINAL PAVEMENT THICKNESS TO BE DETERMINED AFTER BOXING OUT BY JOINT INSPECTION BY N.A.T.A REGISTERED LABORATORY AND COUNCIL'S ENGINEER. PAVEMENT REPORT TO BE AVAILABLE TO COUNCIL A MINIMUM OF TWO CLEAR DAYS PRIOR TO INSPECTION.

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REVISIONS

REVIEWS	No.	DESCRIPTION	DRN	APP	DATE	 Site Plus Pty Ltd ABN 73 104 315 095 planning engineering landscape design management	HEAD OFFICE	CAMDEN	Height Datum	Client Title	Dwg Title	Ref & Dwg No		
	A	PRELIMINARY ISSUE	A.H	K.R	23.09.14			2a Thomas Street	12 View St	A.H.D	YAMBA RESIDENTIAL SUBDIVISION PTY LTD	PROPOSED LAYOUT LOT 1722 DP1035524 CARRS DRIVE YAMBA TITLE PAGE	14140.DA1.C01	
	B	REVISED TO COUNCIL COMMENTS	A.C	K.R	21.01.15			Wollongong NSW 2500	PO Box 615	Drawn				
	C	REVISED FOR FUTURE MOTORWAY & CARRS DRIVE	D.N	K.R	30.03.15			Wollongong NSW 2520	Camden NSW 2570	Designed				
	D	REVISED TO COUNCIL COMMENTS	A.C	K.R	30.04.15			T 61 2 4227 4233	T 61 2 4655 5877	Checked				
	E	REVISED TO COUNCIL COMMENTS	A.C	k.r	29.06/15			F 61 2 4227 4133	F 61 2 4655 5024	Approved	Dwg Status	Local Authority	Date	Rev



- NOTES**
- EXISTING CULVERTS IN CARRS DRIVE TO REMAIN AND EXTENDED TO SUIT CARRS DRIVE CROSS SECTION.
 - EXISTING CULVERTS IN CARRS DRIVE TO REMAIN. REFER TO SHEET 21 FOR DETAILS.
 - SEE NOTE 2.
 - SEE NOTE 2.
 - SEE NOTE 1.
 - SWALES TO BE CONSTRUCTED AROUND PROPOSED SUBDIVISION TO ALLOW FOR DRAINAGE OF SURROUNDING AREA DURING FLOOD EVENT. REFER TO MOTORWAY DETAILS ON SHEET 24.
 - FOR PROPOSED SWALE IN FUTURE MOTORWAY ROAD RESERVE SEE SHEET 24 FOR FLOW CHARACTERISTICS AND DETAILS.
 - FOR PROPOSED SWALES IN CARRS DRIVE ROAD RESERVE SEE SHEET 21 FOR FLOW CHARACTERISTICS AND DETAILS.
 - FOR PROPOSED SWALES IN MILES STREET ROAD RESERVE SEE SHEET 20 FOR FLOW CHARACTERISTICS AND DETAILS.
 - PROVIDE BASIN IN MOTORWAY RESERVATION TO REPLICATE POUND AND DISCHARGE FROM HAROLD TROY DRIVE. REFER TO SHEET 24 TO 26 FOR DETAILS.
 - CONSTRUCT DRAINAGE CHANNEL TO CONNECT TO OVERFLOW CHANNEL.
 - OVERFLOW SWALE TO CONNECT INTO EXISTING CHANNEL. REFER TO SHEET 28 FOR DETAILS.
 - EXISTING CHANNEL DRAINING POND AND STORMWATER FROM HAROLD TROY DRIVE.
 - CARRS DRIVE SWALE TO JOIN INTO MILES STREET AND MOTORWAY SWALES REFER TO SHEETS 20 AND 24 FOR DETAILS.
 - POSSIBLE FUTURE ROUNDABOUT DETAILS ON SHEET 27.
 - ALL RETAINING WALLS ARE TO BE WHOLLY LOCATED WITHIN LOT 1722, INCLUDING FOOTINGS. SEE SHEET 7 FOR DETAILS.

REVISIONS				DESCRIPTION				No.			
A	PRELIMINARY ISSUE	A.H	K.R	23.09.14	DRN	APP	DATE	A	DESCRIPTION	No.	
B	REVISED TO COUNCIL COMMENTS	A.C	K.R	21.01.15	A.C	K.R	21.01.15	B	REVISED TO COUNCIL COMMENTS		
C	REVISED FOR FUTURE MOTORWAY & CARRS DRIVE	D.N	K.R	30.03.15	D.N	K.R	30.03.15	C	REVISED FOR FUTURE MOTORWAY & CARRS DRIVE		
D	REVISED TO COUNCIL COMMENTS	A.C	K.R	30.04.15	A.C	K.R	30.04.15	D	REVISED TO COUNCIL COMMENTS		
E	REVISED TO COUNCIL COMMENTS	A.C	K.R	29.06.15	A.C	K.R	29.06.15	E	REVISED TO COUNCIL COMMENTS		

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Height Datum
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Drawn
AH

Designed
AH

Checked
KR

Approved
KR

Client Title
YAMBA RESIDENTIAL
SUBDIVISION PTY LTD

Dwg Status
FINAL

Local Authority
CLARENCE VALLEY

Dwg Title
PROPOSED LAYOUT
LOT 1722 DP1035524
CARRS DRIVE YAMBA

Ref & Dwg No
14140.DA1.C03

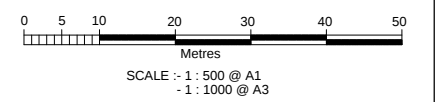
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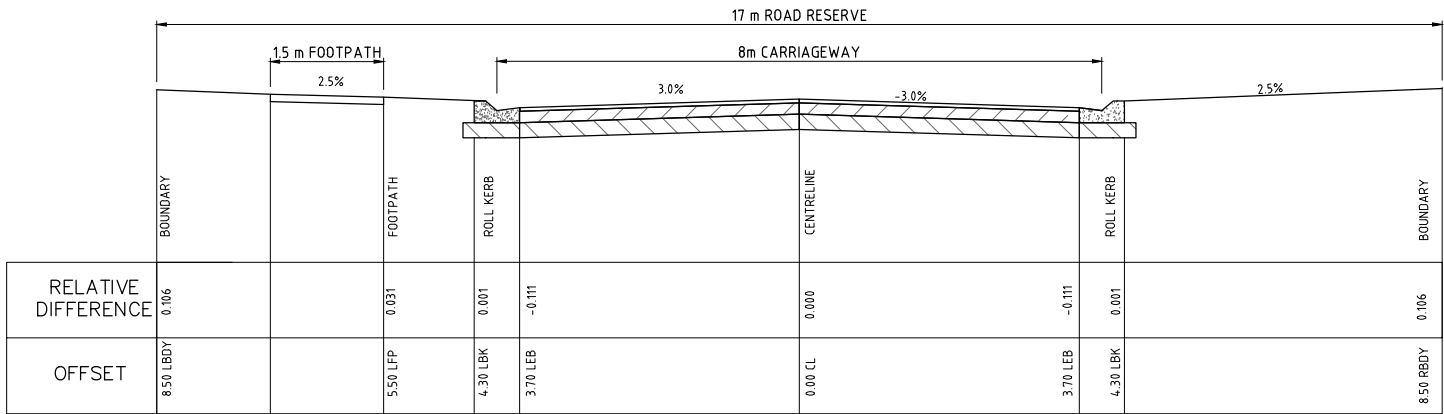
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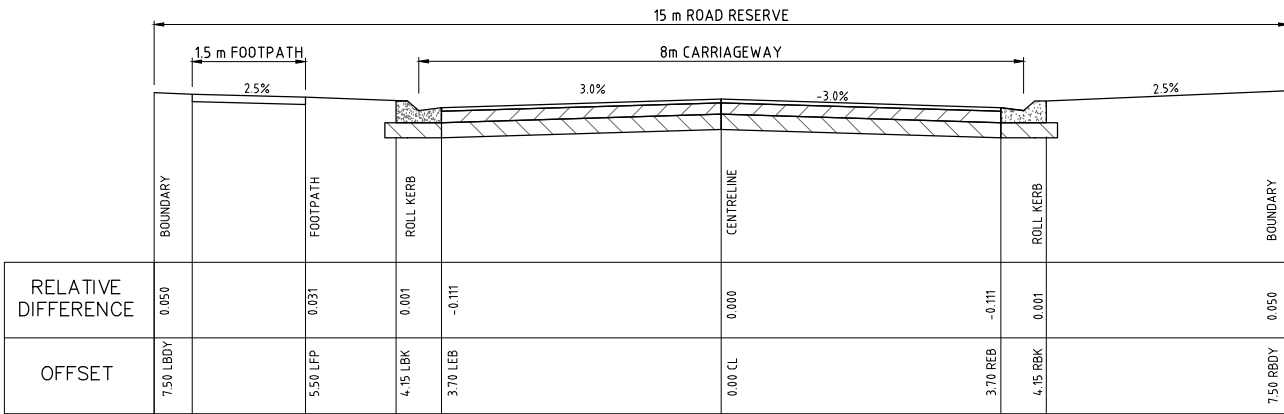
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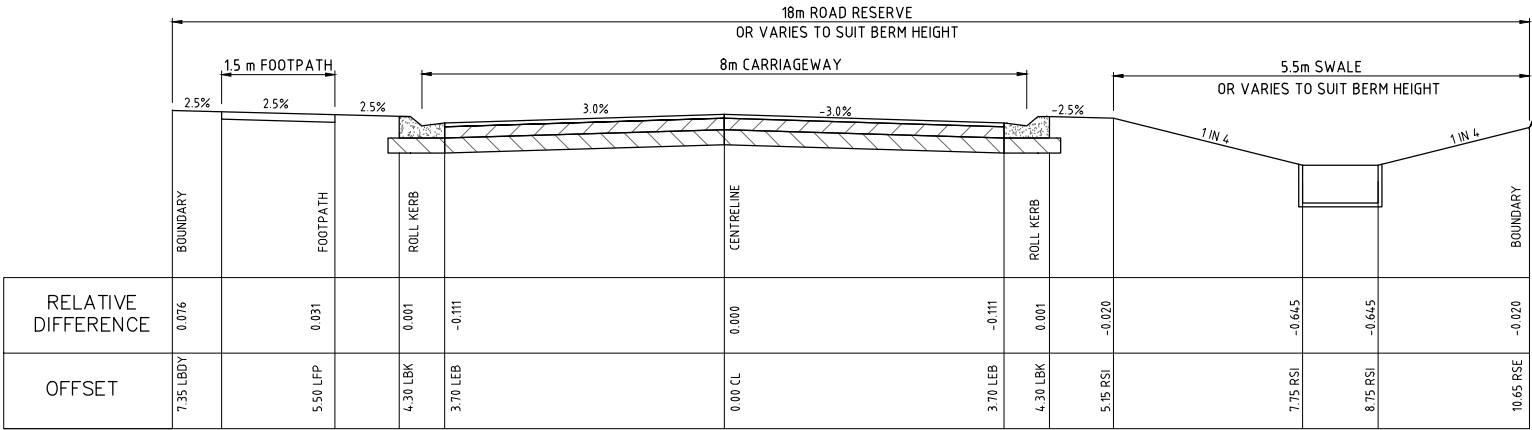
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	LOT 1722 DP1035524		14140.DA1.C04	
	CARRS DRIVE YAMBA		Sheet No	
			Sheet 04 of 29	
			Scale AS SHOWN	
		Date	Rev	A1
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LOCAL STREET
PERIMETER ROAD, CHAINAGES 0-290
TYPICAL CROSS SECTION
SCALE 1:50



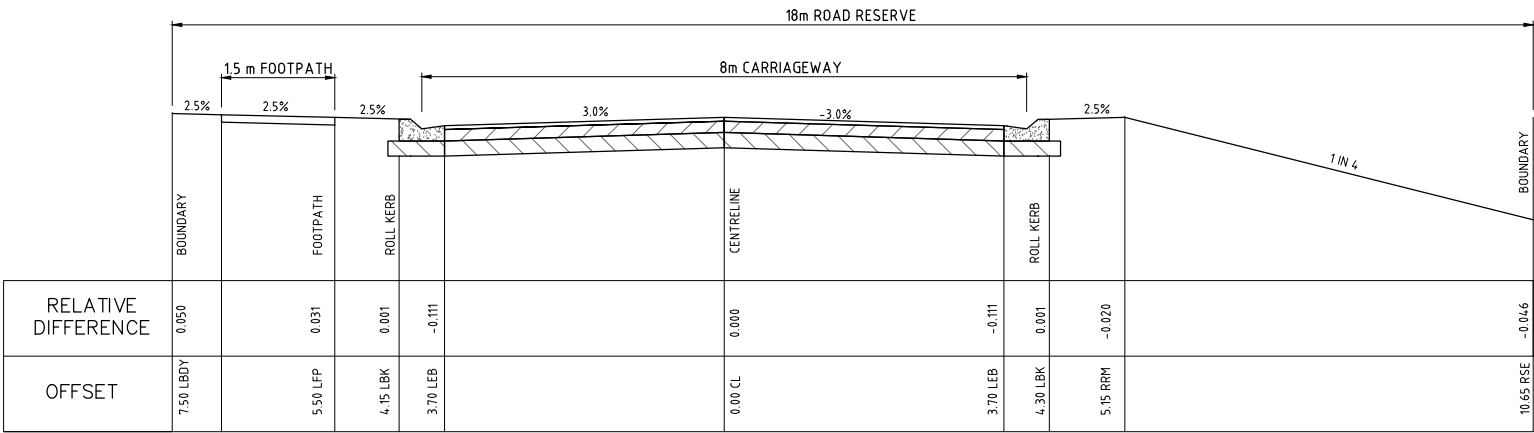
LOCAL STREET
PERIMETER ROAD, CHAINAGES 860-1242
TYPICAL CROSS SECTION
SCALE 1:50



LOCAL STREET, SWALE TO RIGHT
PERIMETER ROAD, CHAINAGES 290-526; 600-860
TYPICAL CROSS SECTION
SCALE 1:50

MINIMUM BERM HEIGHT 2.15m AHD TO PROTECT BIO-SWALE DURING 100yr FLOOD

PAVEMENT DETAILS CATEGORY C ROAD:-
PAVEMENT DESIGN AND ROAD CATEGORIES TO BE IN ACCORDANCE WITH NORTHERN RIVERS DESIGN CODE.



LOCAL STREET, SWALE TO RIGHT
PERIMETER ROAD, CHAINAGES 526-600
TYPICAL CROSS SECTION
SCALE 1:50

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REVISIONS

No.	DESCRIPTION	DRN	APP	DATE
A	PRELIMINARY ISSUE	A.H	K.R	23.09.14
B	REVISED TO COUNCIL COMMENTS	A.C	K.R	21.01.15
C	REVISED FOR FUTURE MOTORWAY & CARRS DRIVE	D.N	K.R.	30.03.15
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E	REVISED TO COUNCIL COMMENTS	A.C	k.r	29.06.15



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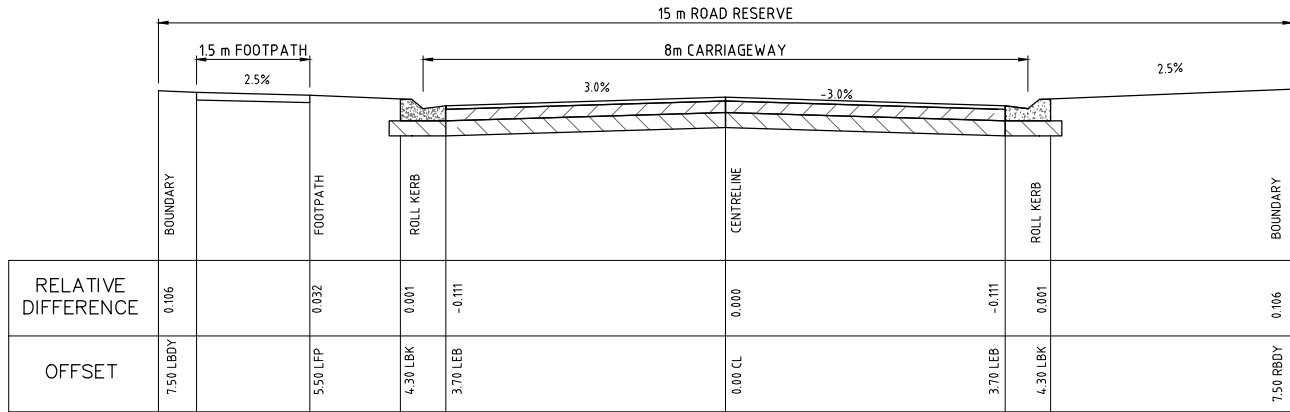
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Height Datum	A.H.D
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Approved	KR

Client Title	
YAMBA RESIDENTIAL SUBDIVISION PTY LTD	
Dwg Status	FINAL
Local Authority	CLARENCE VALLEY

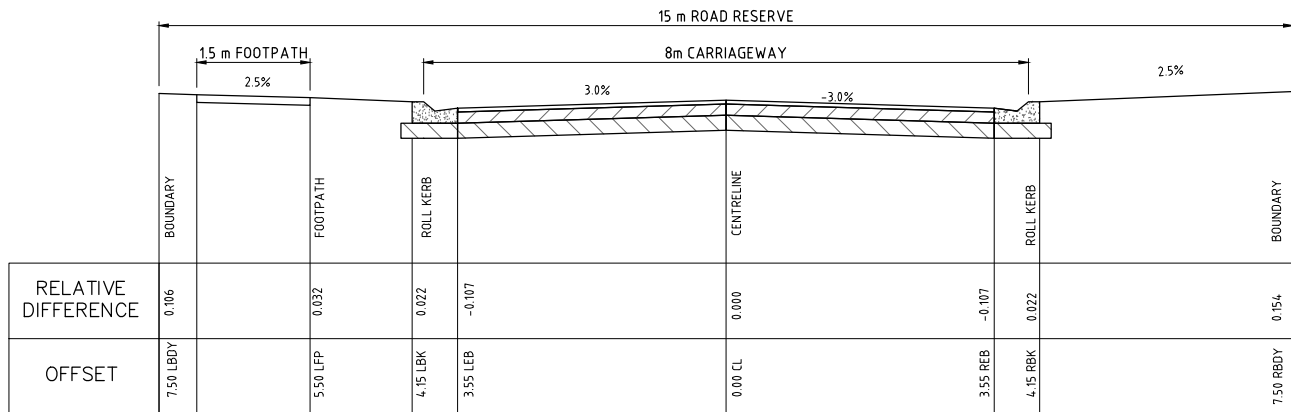
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PROPOSED LAYOUT LOT 1722 DP1035524 CARRS DRIVE YAMBA TYPICAL ROAD CROSS SECTIONS - 2	

Ref & Dwg No	
14140.DA1.C06	
Sheet No	06 of 29
Scale	
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Date	24.09.14
Rev	E
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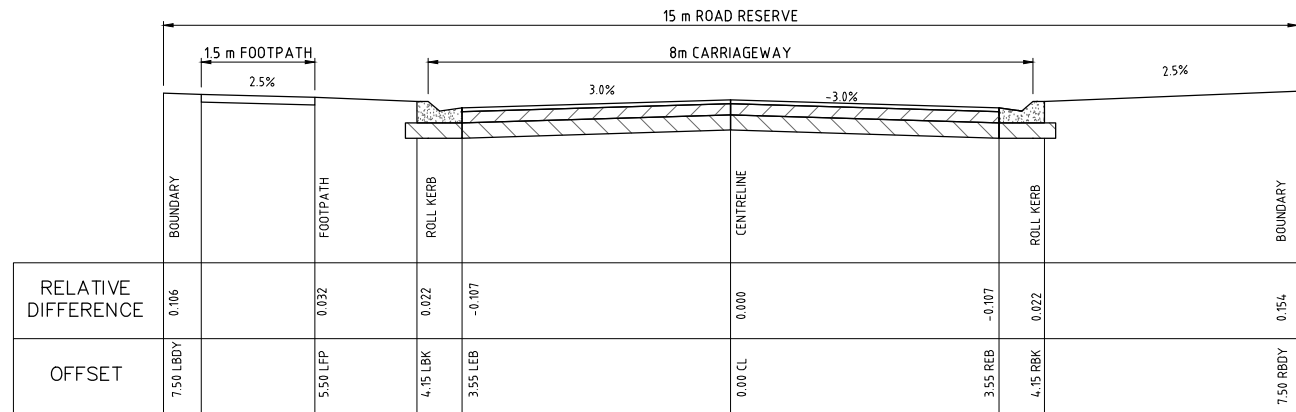


LOCAL STREET
LOCAL STREET NO.1, CHAINAGES 0-190
TYPICAL CROSS SECTION
SCALE 1:50

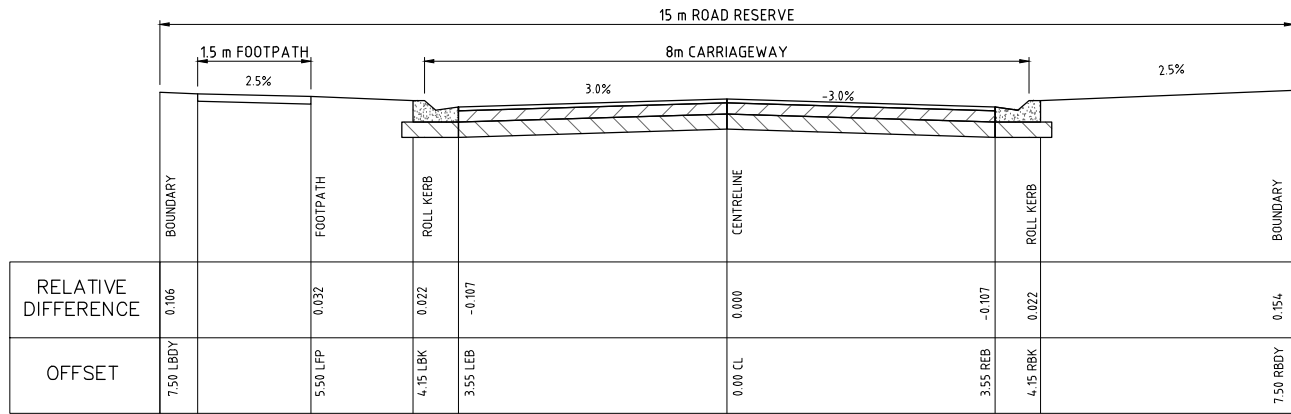
PAVEMENT DETAILS CATEGORY C ROAD:-
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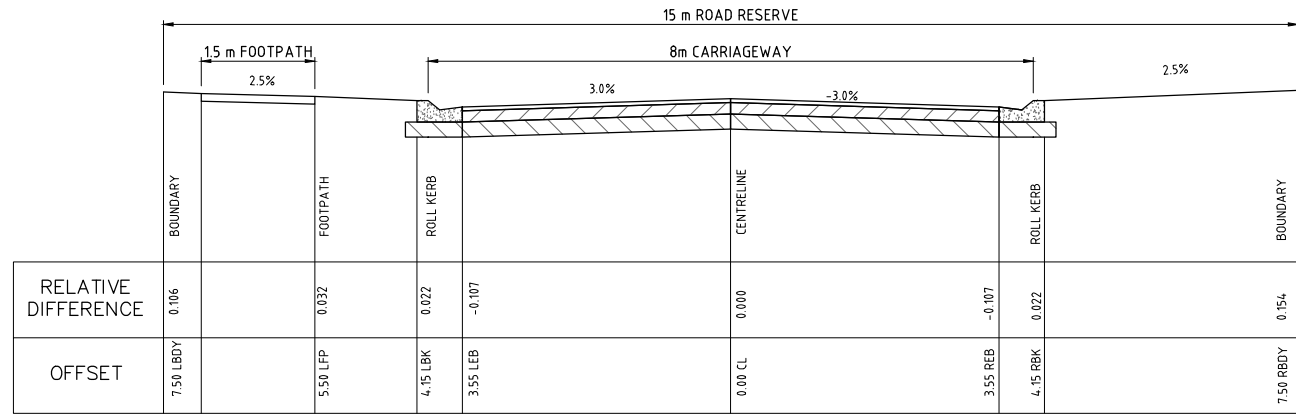
LOCAL STREET
LOCAL STREET NO.2, CHAINAGES 0-230
TYPICAL CROSS SECTION
SCALE 1:50



LOCAL STREET
LOCAL STREET NO.3, CHAINAGES 0-179
TYPICAL CROSS SECTION
SCALE 1:50

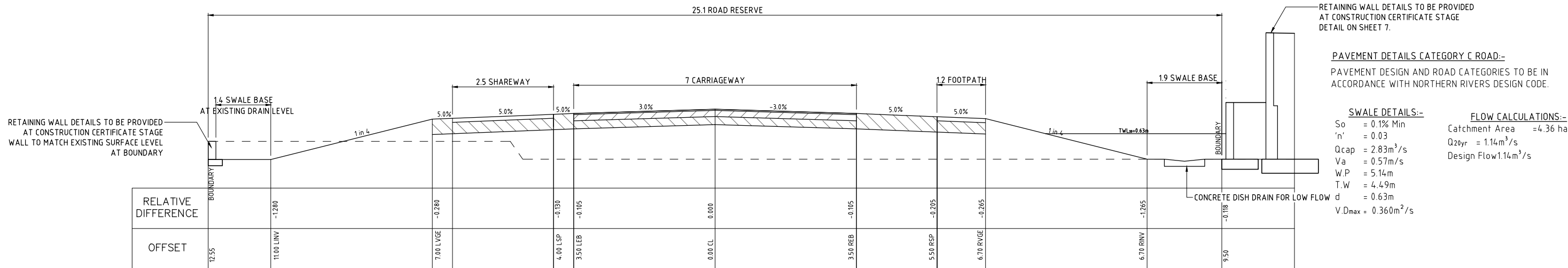


LOCAL STREET
LOCAL STREET NO.4, CHAINAGES 0-145
TYPICAL CROSS SECTION
SCALE 1:50

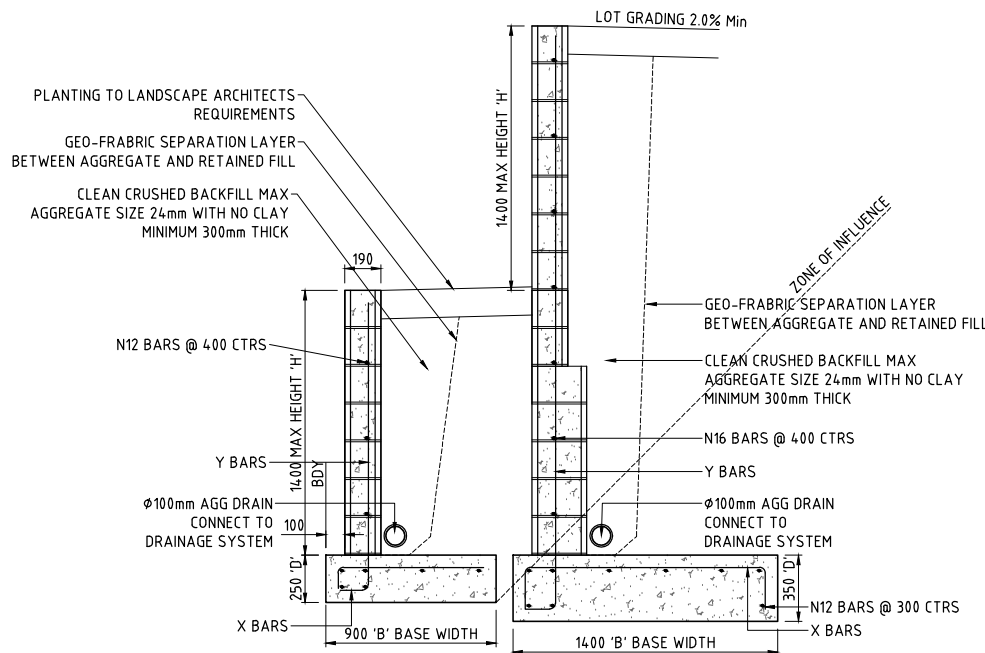


LOCAL STREET
LOCAL STREET NO.5, CHAINAGES 0-103
TYPICAL CROSS SECTION
SCALE 1:50

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CARRS DRIVE, CHAINAGES 100.00-653.00
TYPICAL CROSS SECTION
SCALE 1:50



STEPPED RETAINING WALL DETAIL
SCALE 1:20

FRONT 1.4m RETAINING WALL CHART				
HEIGHT	BASE	DEPTH	REINFORCEMENT	
'H'	'B'	'D'	X-BARS	Y-BARS
14.00	900	250	N12@4.00	N12@4.00
12.00	800	200	N12@4.00	N12@4.00
10.00	700	200	N12@4.00	N12@4.00
8.00	600	200	N12@4.00	N12@4.00

REAR 1.4m RETAINING WALL CHART				
HEIGHT	BASE	DEPTH	REINFORCEMENT	
'H'	'B'	'D'	X-BARS	Y-BARS
28.00	1500	350	N16@4.00	N16@4.00
26.00	14.00	350	N16@4.00	N16@4.00
24.00	1300	350	N16@4.00	N16@4.00
22.00	1200	350	N16@4.00	N16@4.00

REVISIONS	No.	DESCRIPTION	DRN	APP	DATE	 Site Plus Pty Ltd ABN 73 104 315 095 planning engineering landscape design management	HEAD OFFICE 2a Thomas Street Wollongong NSW 2500 PO Box 5104 Wollongong NSW 2520 T 61 2 4227 4253 F 61 2 4227 4133 E info@siteplus.com.au CAMDEN 12 View St Camden NSW 2570 T 61 2 4655 5877 F 61 2 4655 5024 E camden@siteplus.com.au		Height Datum	A.H.D	Client Title YAMBA RESIDENTIAL SUBDIVISION PTY LTD	Dwg Title PROPOSED LAYOUT LOT 1722 DP1035524 CARRS DRIVE YAMBA TYPICAL ROAD CROSS SECTIONS - 3	Ref & Dwg No 14140.DA1.C07 Sheet No 07 of 29 Scale AS SHOWN Date 24.09.14 Rev E A1		
	A	PRELIMINARY ISSUE	A.H	K.R	23.09.14				Drawn	AH					
	B	REVISED TO COUNCIL COMMENTS	A.C	K.R	21.01.15				Designed	AH					
	C	REVISED FOR FUTURE MOTORWAY & CARRS DRIVE	D.N	K.R.	30.03.15				Checked	KR					
	D	REVISED TO COUNCIL COMMENTS	A.C	K.R	30.04.15				Approved	KR					
	E	REVISED TO COUNCIL COMMENTS	A.C	k.r	29.06.15				Dwg Status FINAL						

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REVISIONS

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A	PRELIMINARY ISSUE	A.H	K.R	23.09.14
B	REVISED TO COUNCIL COMMENTS	A.C	K.R	21.01.15
C	REVISED FOR FUTURE MOTORWAY & CARRS DRIVE	D.N	K.R.	30.03.15
D	REVISED TO COUNCIL COMMENTS	A.C	K.R	30.04.15
E	REVISED TO COUNCIL COMMENTS	A.C	k.r	29.06.15



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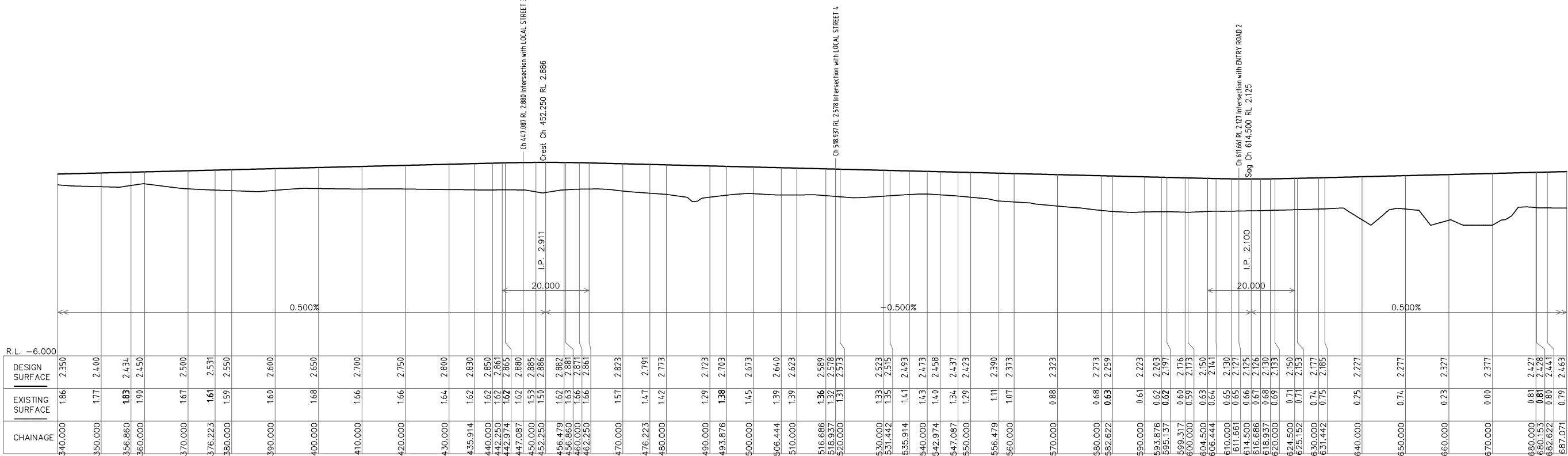
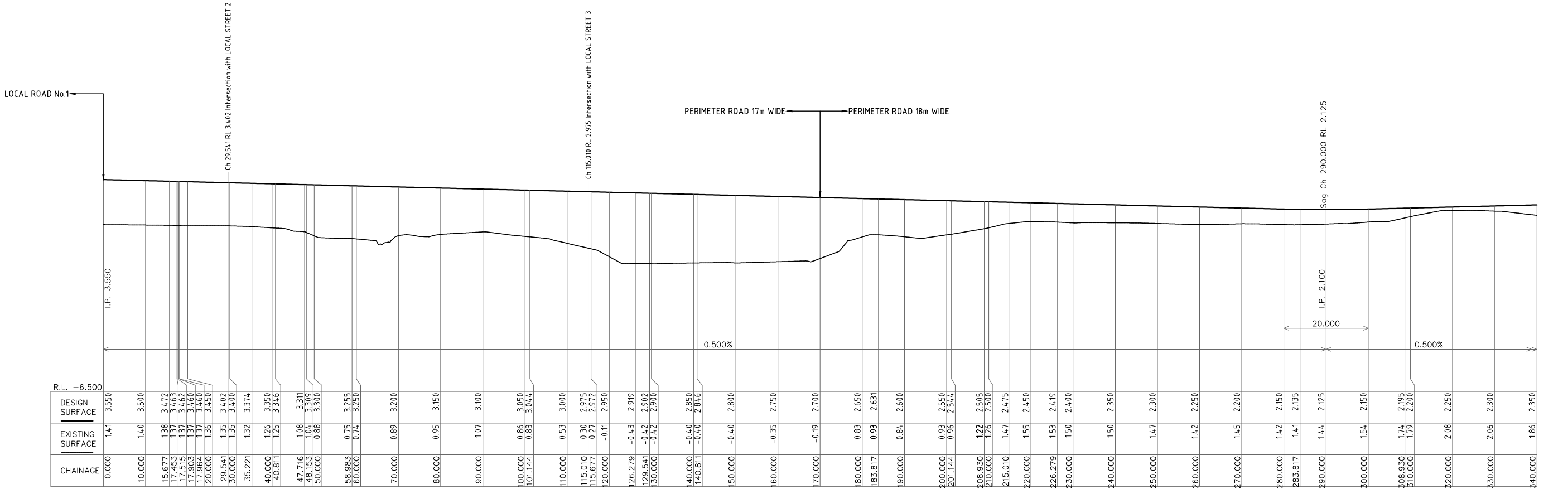
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E camden@siteplus.com.au

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Drawn	AH
Designed	AH
Checked	KR
Approved	KR

Client Title		YAMBA RESIDENTIAL SUBDIVISION PTY LTD	
Dwg Status		FINAL	Local Authority CLARENCE VALLEY

Dwg Title		PROPOSED LAYOUT LOT 1722 DP1035524 CARRS DRIVE YAMBA PERIMETER ROAD LONGSECTIONS 1	
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Ref & Dwg No		14140.DA1.C08	
Sheet No		08 of 29	
Scale		AS SHOWN	
Date	Rev	A1	
24.09.14	E		



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B	REVISED TO COUNCIL COMMENTS	A.C	K.R	21.01.15
C	REVISED FOR FUTURE MOTORWAY & CARRS DRIVE	D.N	K.R.	30.03.15
D	REVISED TO COUNCIL COMMENTS	A.C	K.R	30.04.15
E	REVISED TO COUNCIL COMMENTS	A.C	k.r	29.06.15



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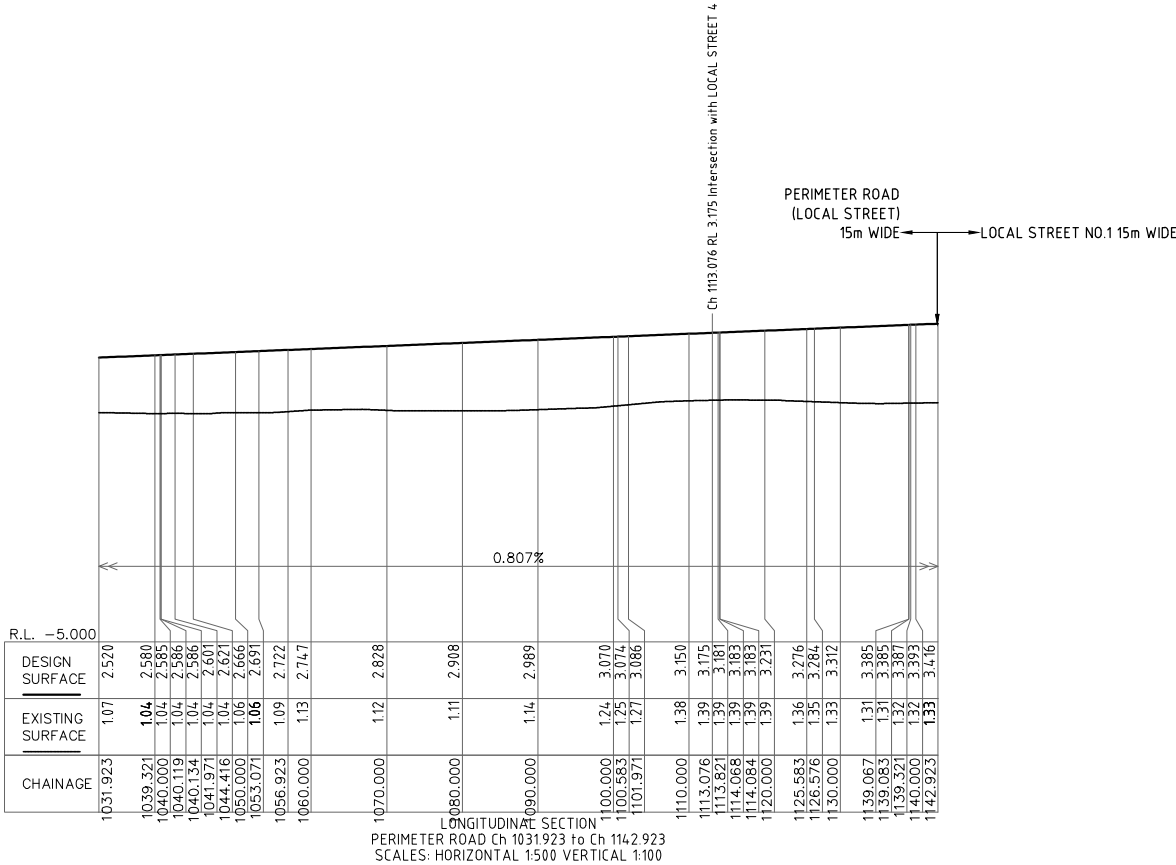
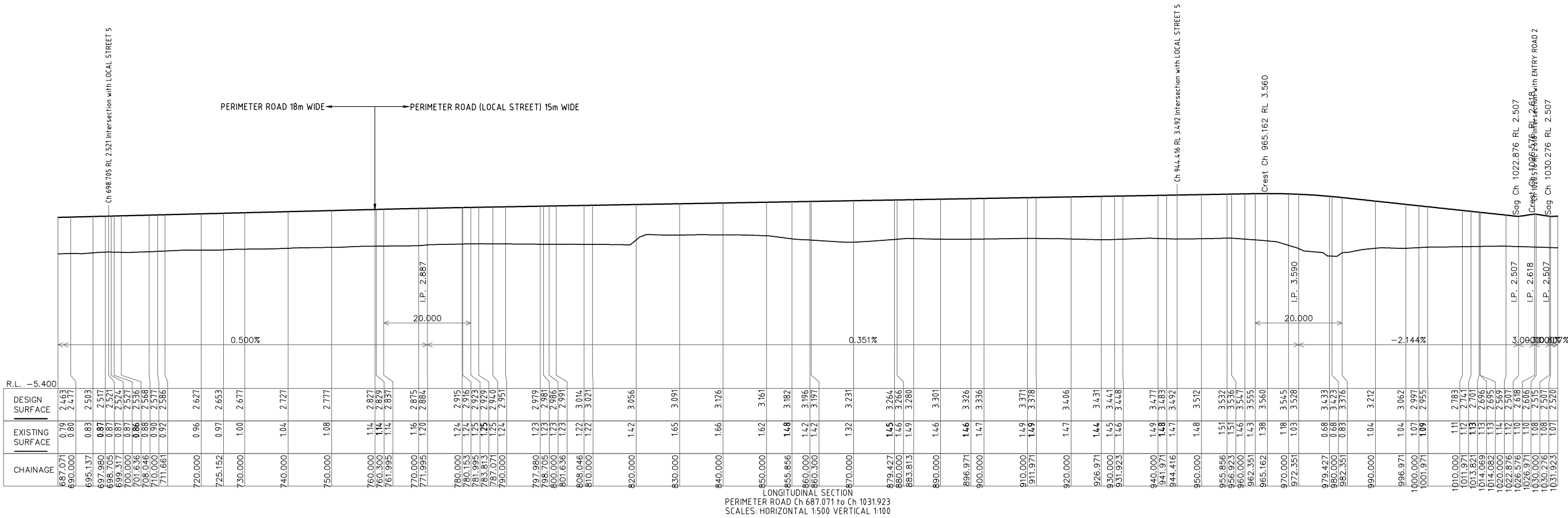
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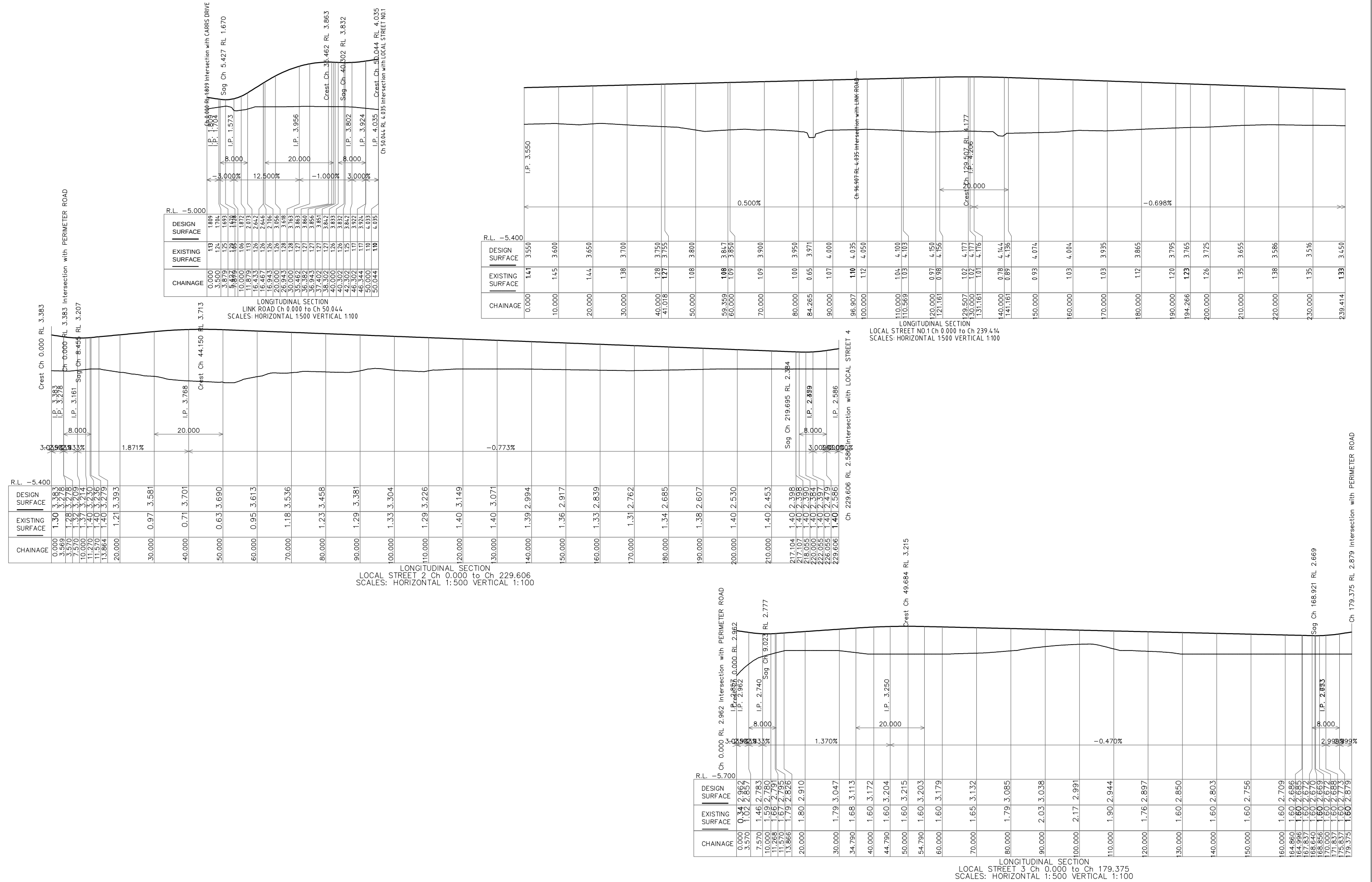
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Dwg Status	FINAL
Local Authority	CLARENCE VALLEY

Dwg Title	
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Ref & Dwg No	
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	B	REVISED TO COUNCIL COMMENTS	A.C	K.R	21.01.15			Drawn	AH									
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C	REVISED FOR FUTURE MOTORWAY & CARRS DRIVE
D	REVISED TO COUNCIL COMMENTS
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DRN	APP	DATE
A.H	K.R	23.09.14
A.C	K.R	21.01.15
D.N	K.R	30.03.15
A.C	K.R	30.04.15
A.C	k.r	29.06.15



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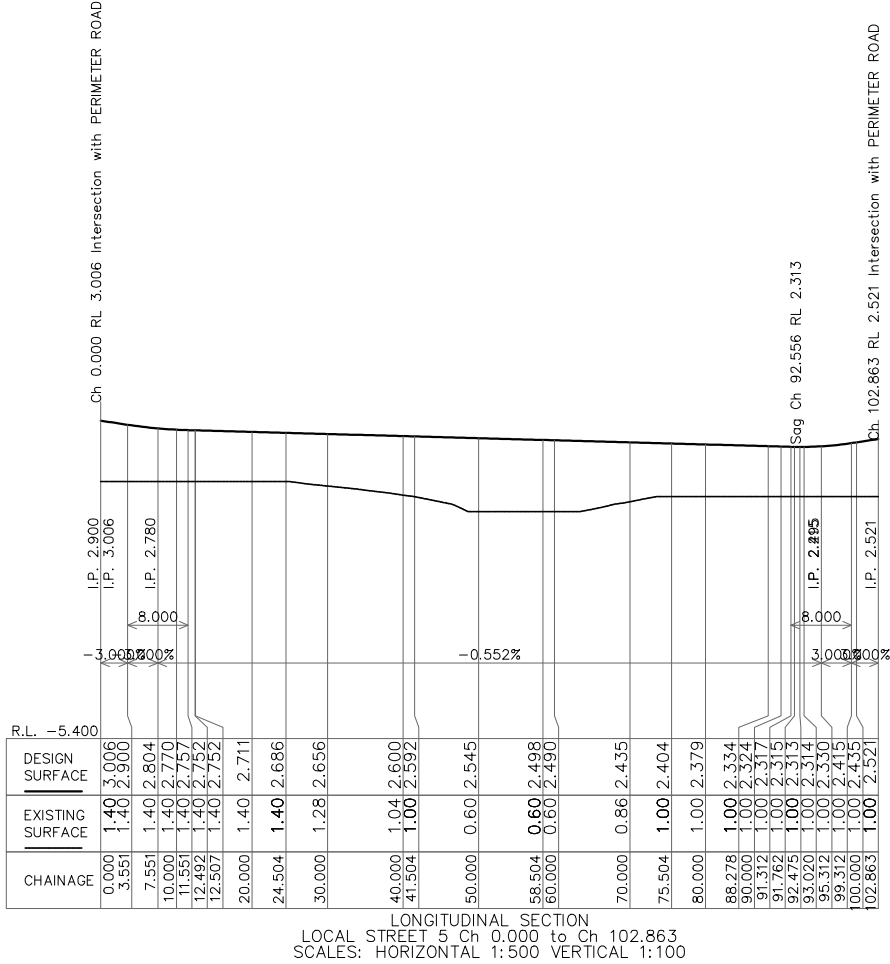
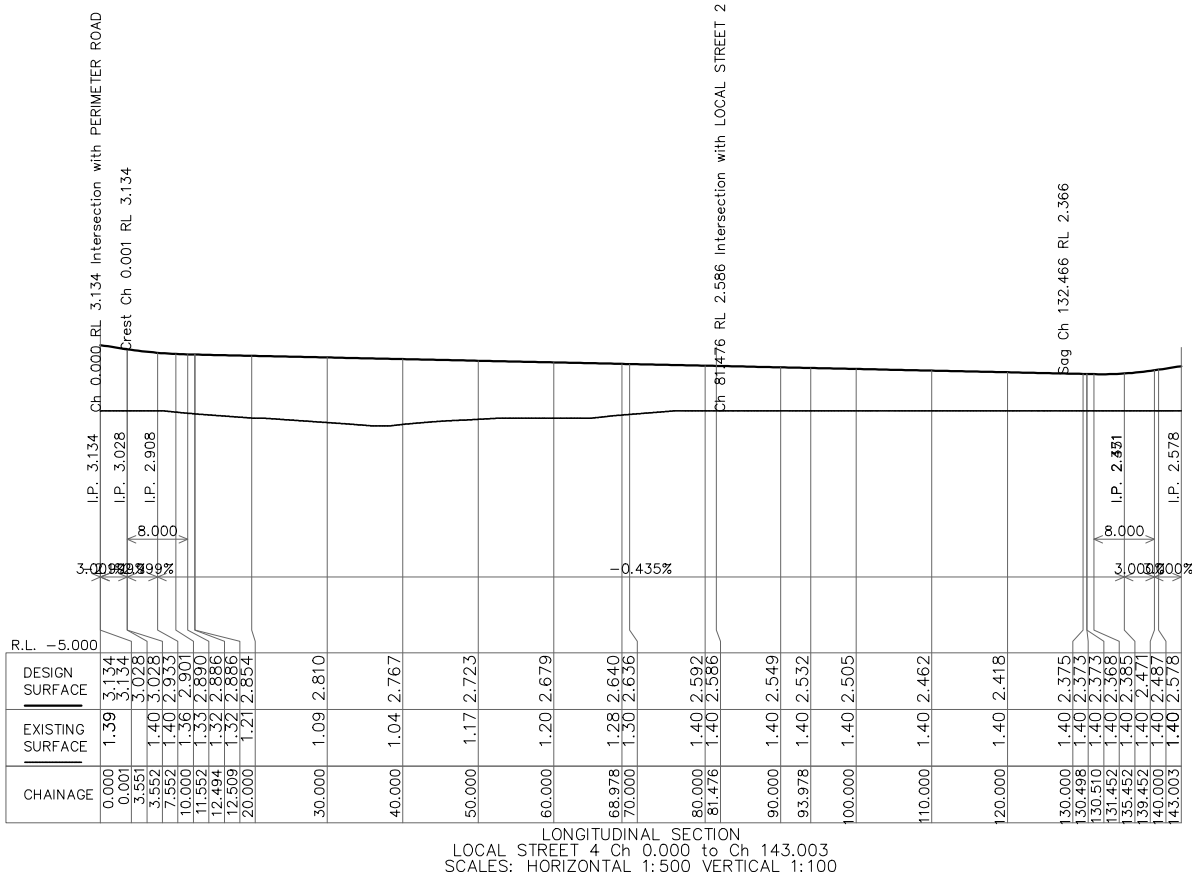
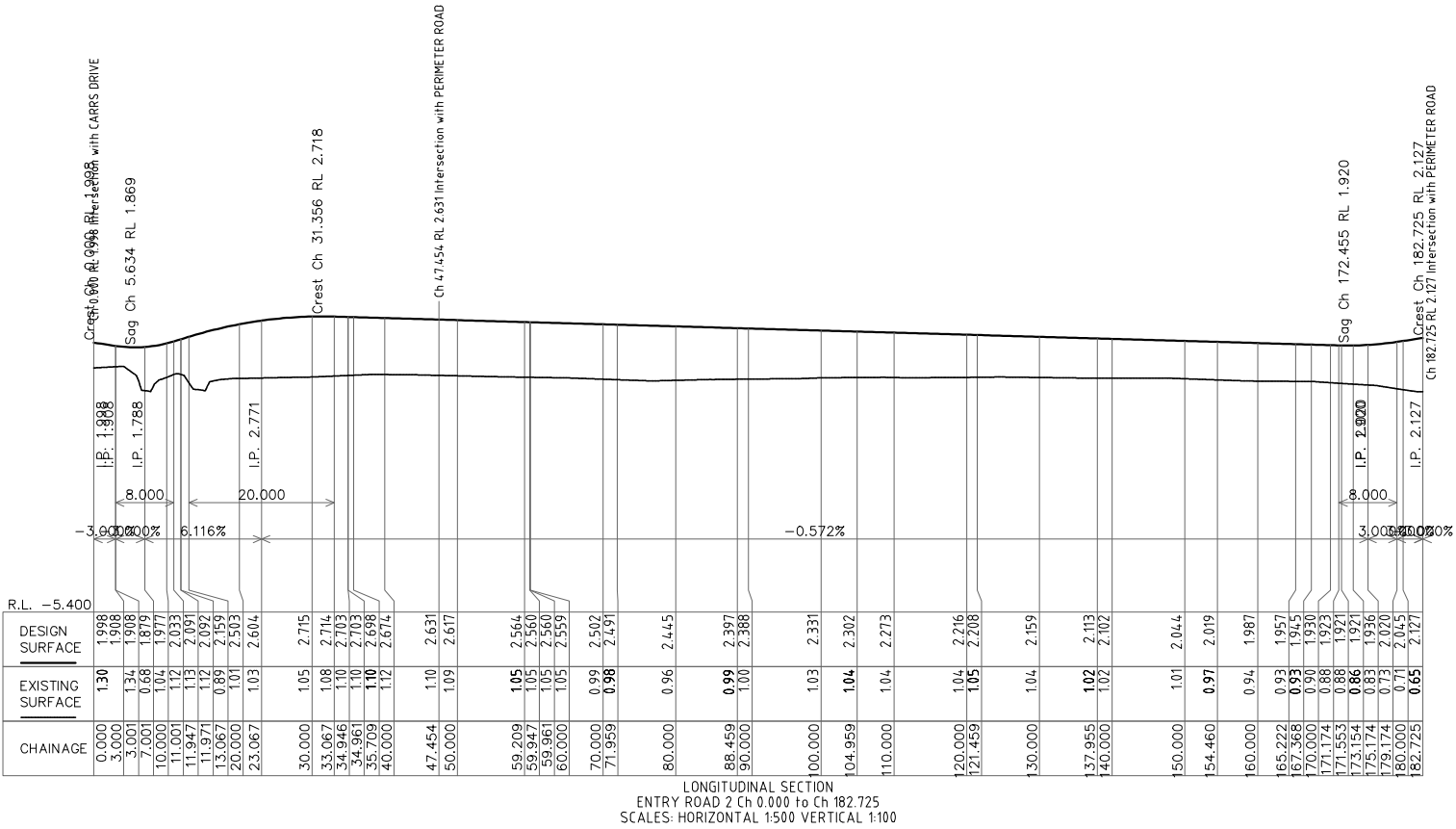
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E camden@siteplus.com.au

Height Datum	A.H.D
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Approved	KR

Client Title	
YAMBA RESIDENTIAL SUBDIVISION PTY LTD	
Dwg Status	
FINAL	Local Authority CLARENCE VALLEY

Dwg Title	
PROPOSED LAYOUT LOT 1722 DP1035524 CARRS DRIVE YAMBA LOCAL STREET & ENTRY ROAD LONGSECTIONS	

Ref & Dwg No	
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Sheet No	11 of 29
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Date	Rev
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REVISIONS	A	PRELIMINARY ISSUE
	B	REVISED TO COUNCIL COMMENTS
	C	REVISED FOR FUTURE MOTORWAY & CARRS DRIVE
	D	REVISED TO COUNCIL COMMENTS

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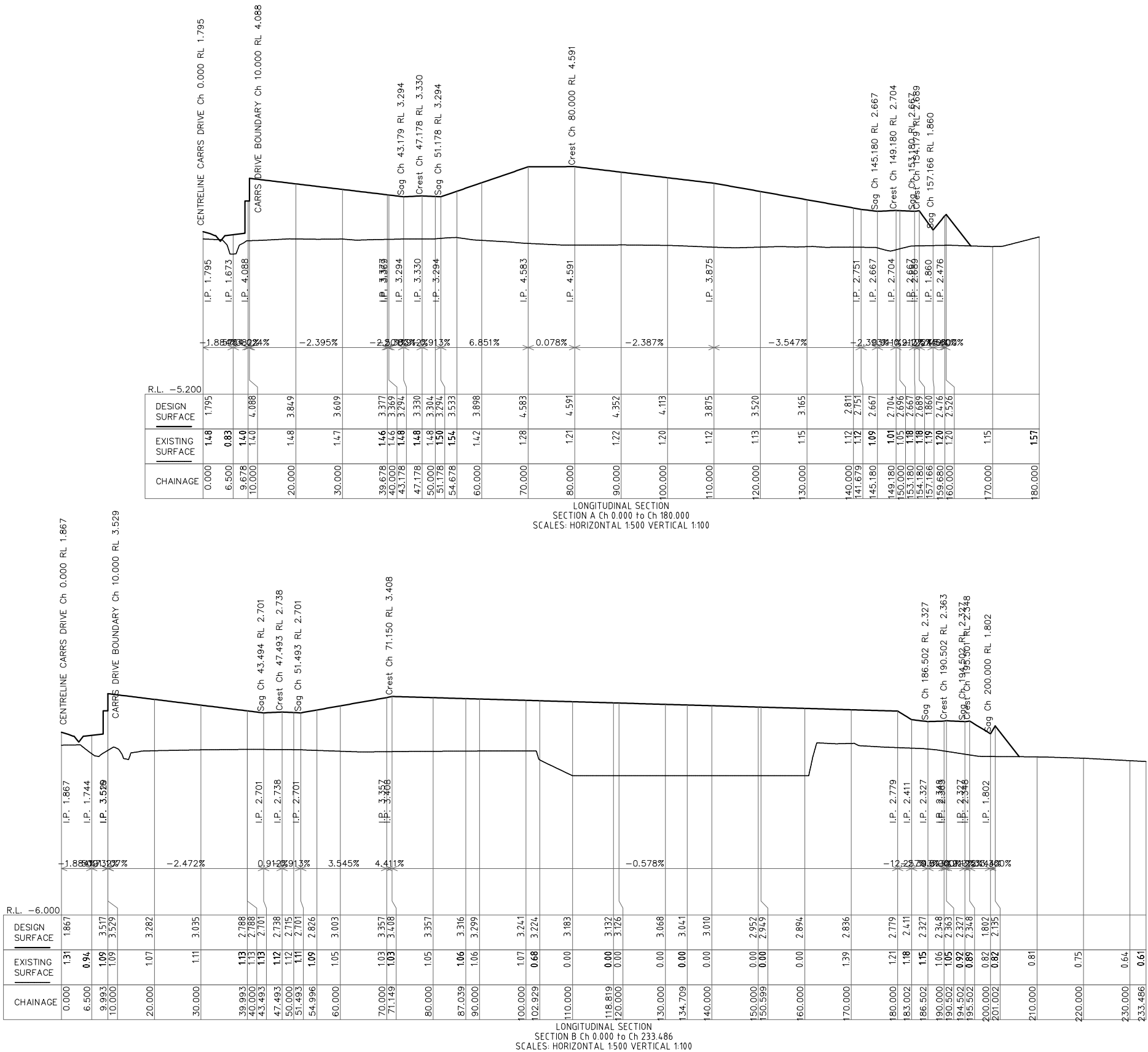


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E info@siteplus.com.au	
design	management

Drawn	AH
Designed	AH
Checked	KR

SUBDIVISION PTY LTD

LOT 1722 DP1035524
CARRS DRIVE YAMBA



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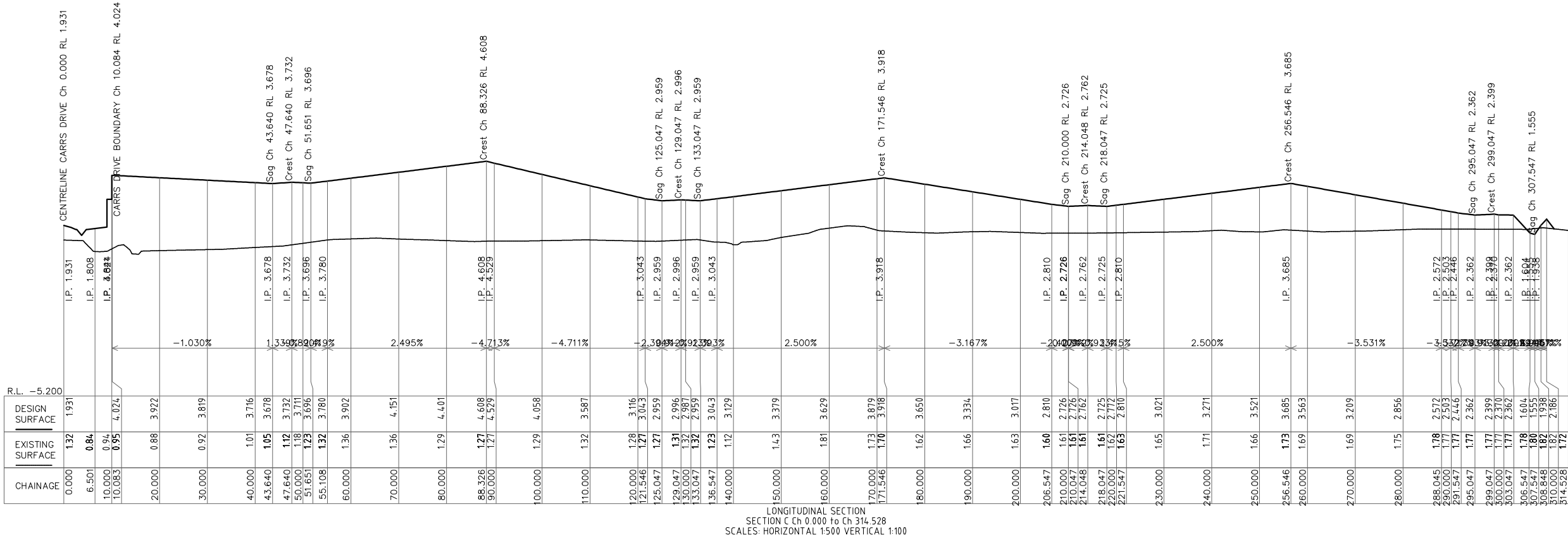
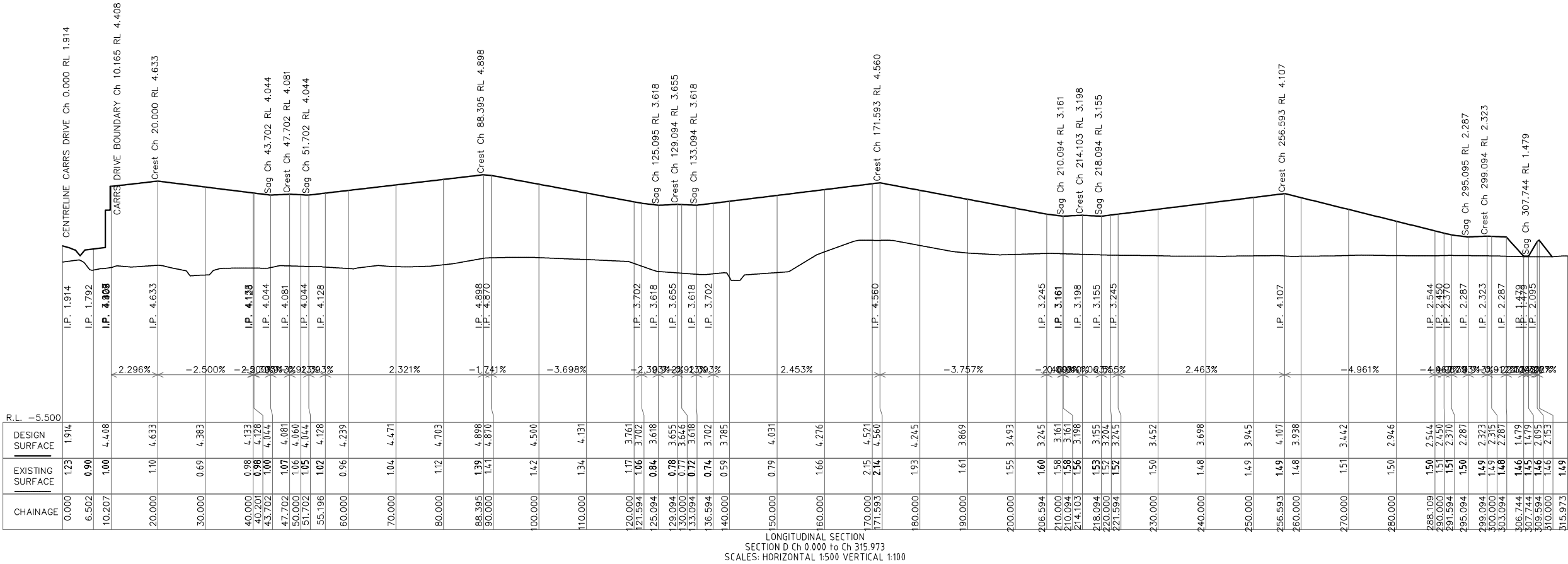
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Height Datum	A.H.D
Drawn	AH
Designed	AH
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Approved	KR

Client Title	
YAMBA RESIDENTIAL SUBDIVISION PTY LTD	
Dwg Status	FINAL
	Local Authority CLARENCE VALLEY

Dwg Title	
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Ref & Dwg No	
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Date	Rev
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C	REVISED FOR FUTURE MOTORWAY & CARRS DRIVE
D	REVISED TO COUNCIL COMMENTS
E	REVISED TO COUNCIL COMMENTS

DRN	APP	DATE
A.H	K.R	23.09.14
A.C	K.R	21.01.15
D.N	K.R.	30.03.15
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A.C	k.r	29.06/15



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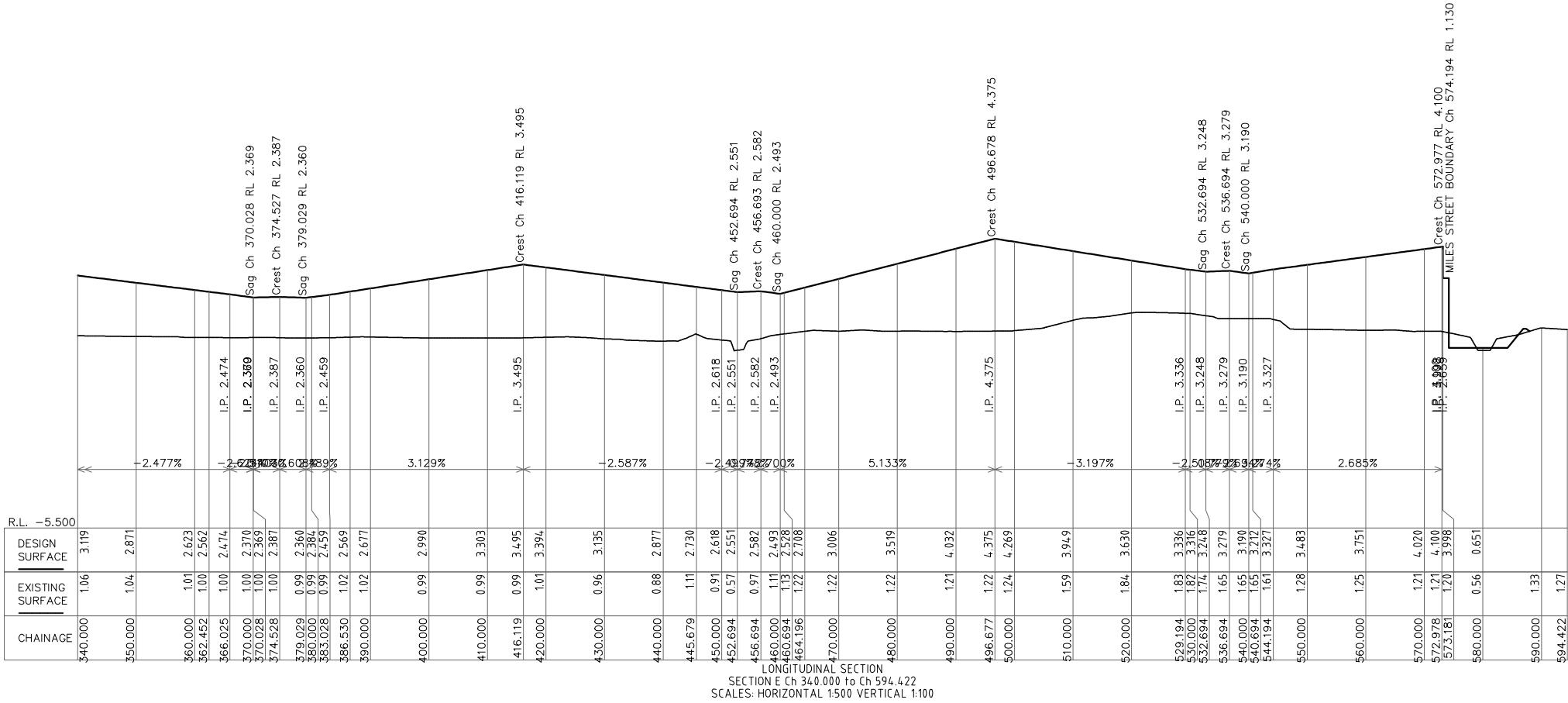
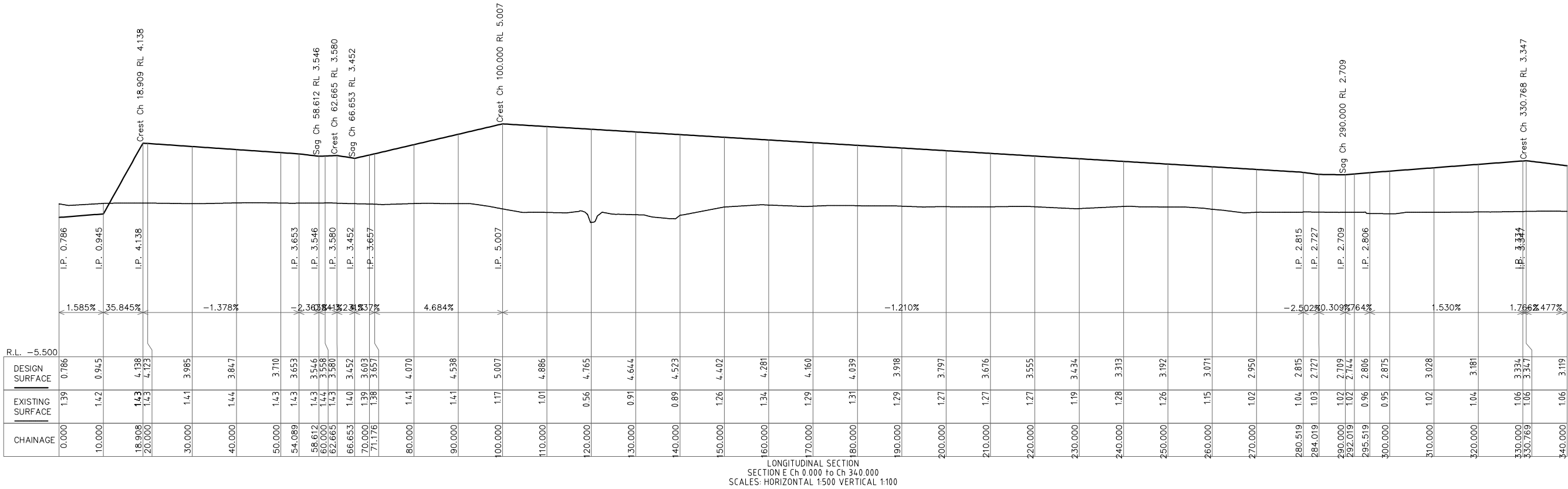
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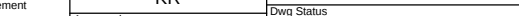
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T 61 2 4655 5877
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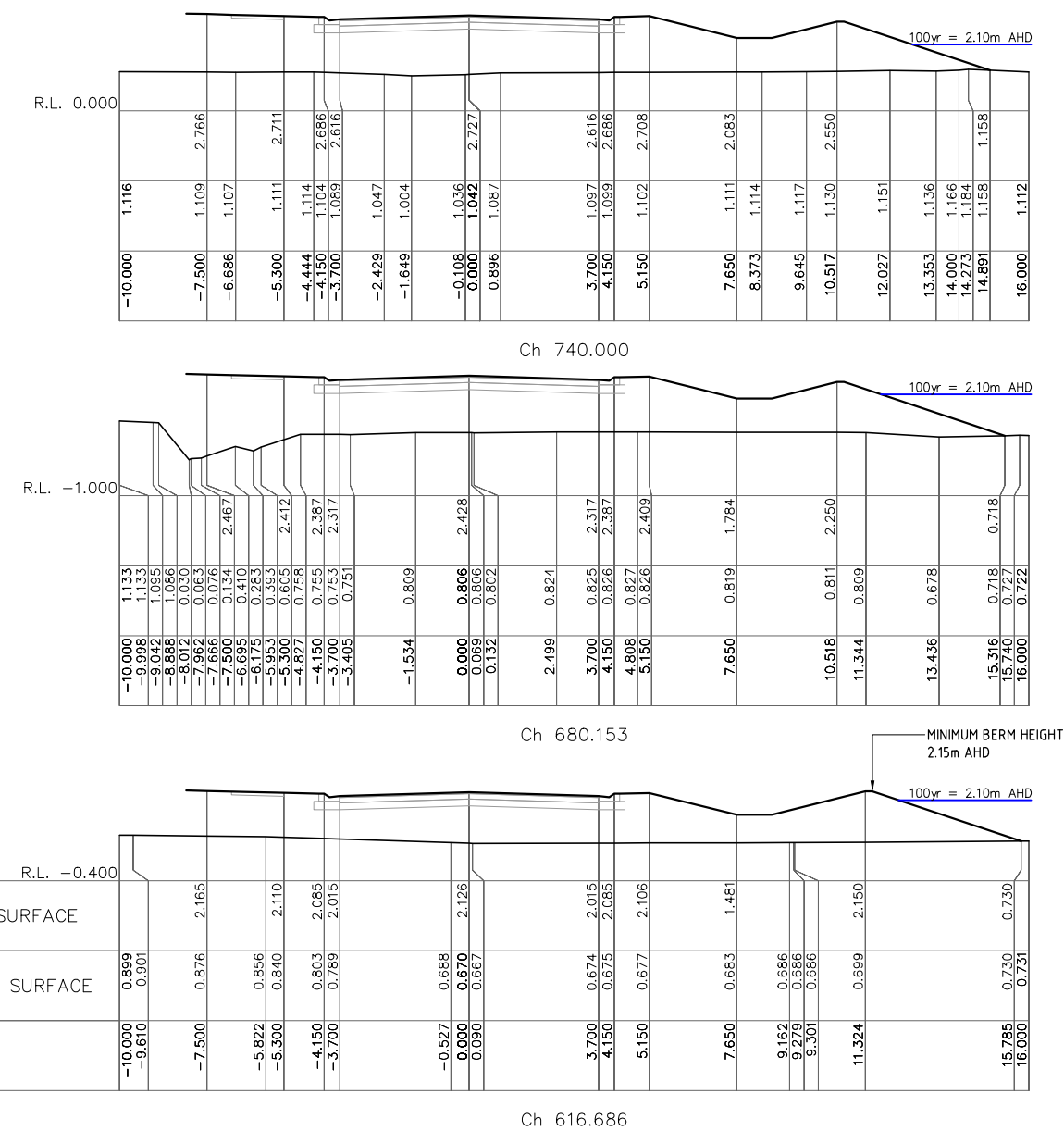
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Dwg Status	
FINAL	Local Authority CLARENCE VALLEY

Dwg Title	
PROPOSED LAYOUT LOT 1722 DP1035524 CARRS DRIVE YAMBA SITE SECTION E	
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REVISIONS	No.	DESCRIPTION	DRN	APP	DATE	 Site Plus Pty Ltd ABN 73 104 315 095 planning engineering landscape design management					HEAD OFFICE 2a Thomas Street Wollongong NSW 2500 PO Box 5104 Wollongong NSW 2520 T 61 2 4227 4293 F 61 2 4227 4133 E info@siteplus.com.au	CAMDEN 12 View St PO Box 616 Camden NSW 2570 T 61 2 4655 5877 F 61 2 4655 5024 E camden@siteplus.com.au	Height Datum	A.H.D	Client Title	YAMBA RESIDENTIAL SUBDIVISION PTY LTD		Dwg Title	PROPOSED LAYOUT LOT 1722 DP1035524 CARRS DRIVE YAMBA SITE SECTION F		Ref & Dwg No	14140.DA1.C15	
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	C	REVISED FOR FUTURE MOTORWAY & CARRS DRIVE	D.N	K.R.	30.03.15								Checked	KR									
	D	REVISED TO COUNCIL COMMENTS	A.C	K.R	30.04.15								Approved	KR									
	E	REVISED TO COUNCIL COMMENTS	A.C	k.r	29/06/15																		



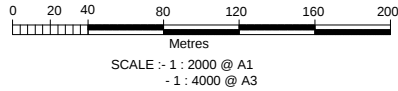
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		REVISED FOR FUTURE MOTORWAY & CARRS DRIVE		D.N	K.R.	30.03.15		Designed			CARRS DRIVE YAMBA		Sheet 16 of 29			
		REVISED TO COUNCIL COMMENTS		A.C	K.R	30.04.15		Checked					Scale			
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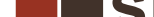


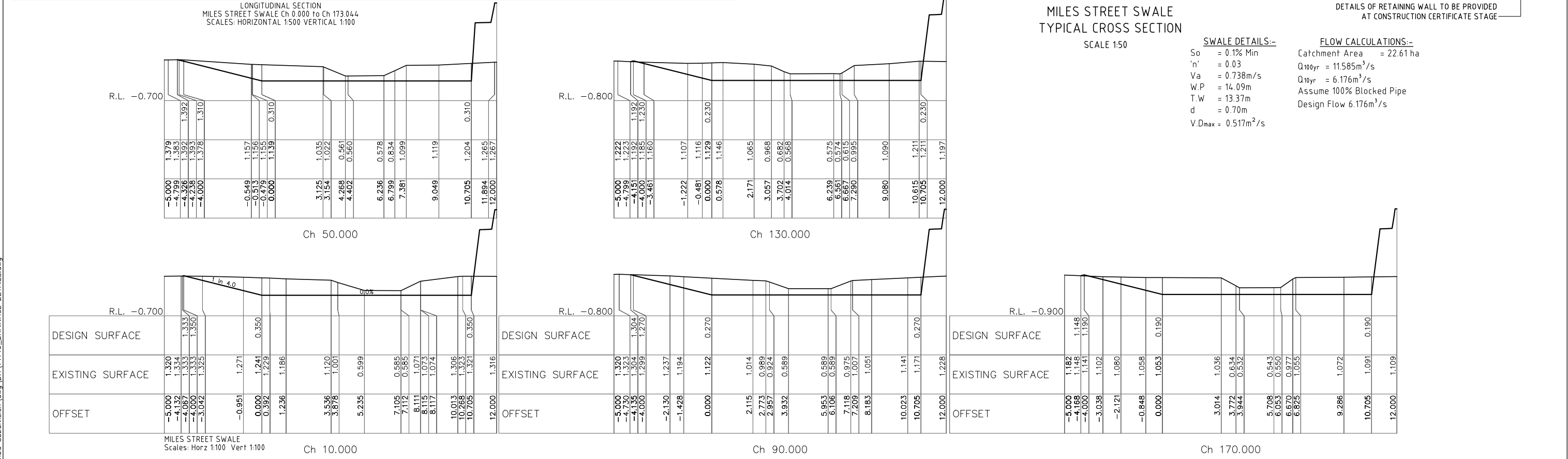
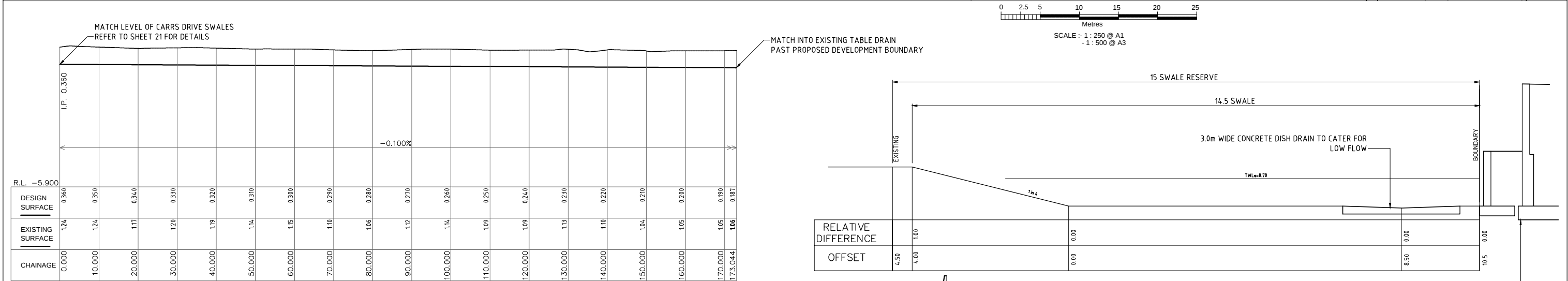
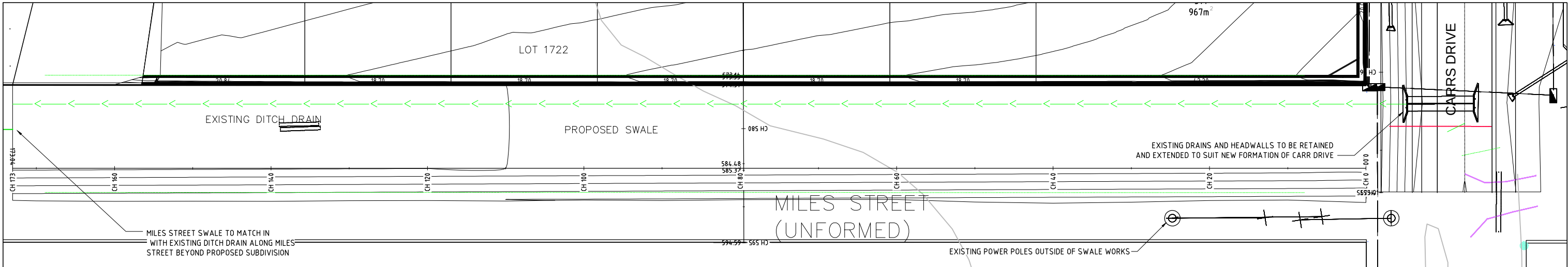
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 - NOTE 2: LOT 8 SWALE
 - NOTE 3: CARRS DRIVE SWALE
 - NOTE 4: MILES ST SWALE CATCHMENT. AREA: 13.03ha
 - NOTE 5: LOT 8 SWALE CATCHMENT. AREA: 26.06ha
 - NOTE 6: CARRS DRIVE SWALE CATCHMENT. AREA: 9.58ha
 - NOTE 7: HAROLD TROY DRIVE CATCHMENT (LOT 8 SWALE). AREA: 7.75ha
 - NOTE 8: CARRS DRIVE SOUTH BOX CULVERT TO MILES STREET SWALE
 - NOTE 9: CARRS DRIVE NORTH BOX CULVERT TO LOT 8 SWALE

LEGEND PROPOSED

SWALE CATCHMENTS

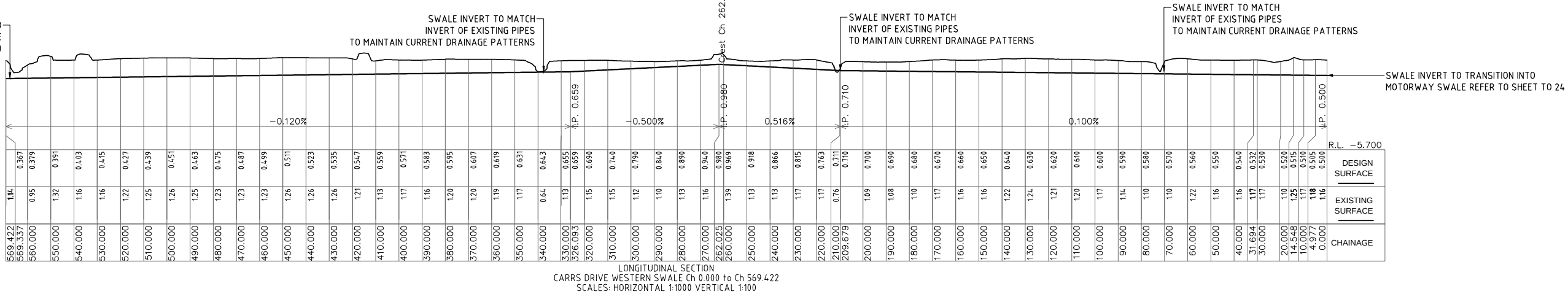
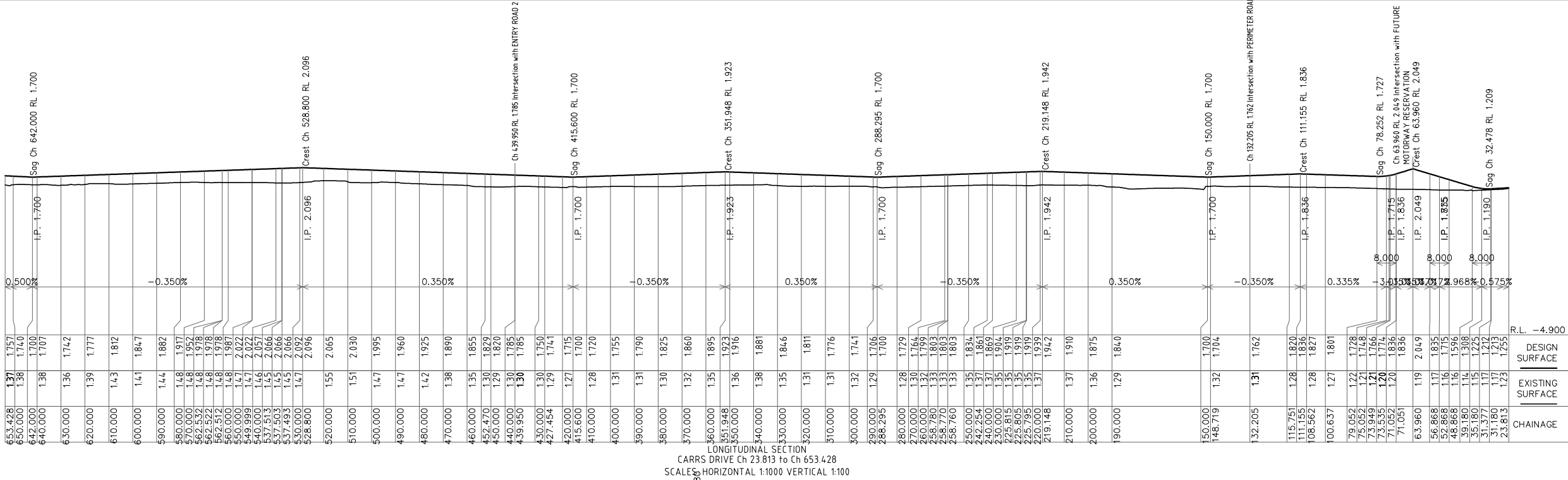
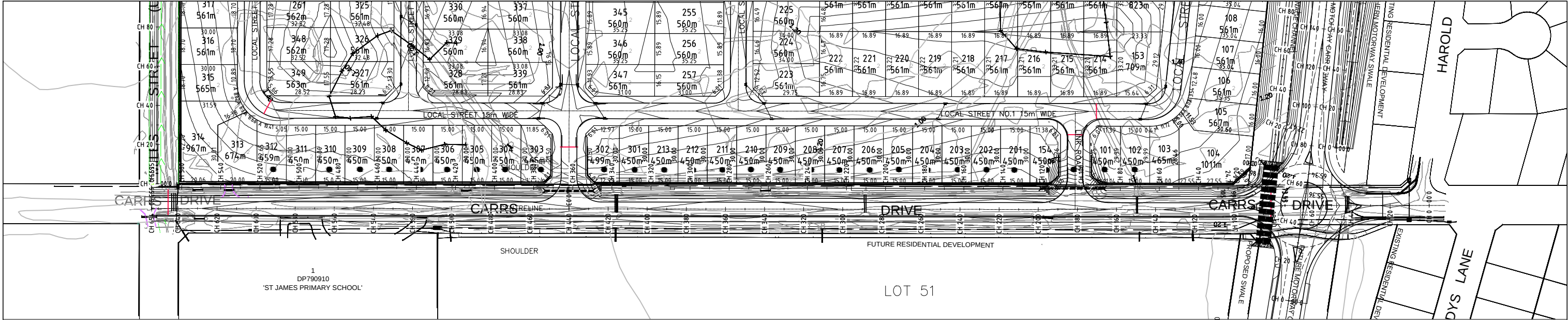


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	D	REVISED TO COUNCIL COMMENTS	A.C	K.R	30.04.15							Scale	AS SHOWN							
	E	REVISED TO COUNCIL COMMENTS	A.C	k.r	29.06/15							Date	24.09.14						Rev	E



REVISIONS	No.	DESCRIPTION	DRN	APP	DATE	siteplus Site Plus Pty Ltd ABN 73 104 315 095 planning engineering landscape design management	HEAD OFFICE 2a Thomas Street Wollongong NSW 2500 PO Box 5104 Wollongong NSW 2520 T 61 2 4227 4253 F 61 2 4227 4133 E info@siteplus.com.au	CAMDEN 12 View St PO Box 615 Camden NSW 2570 T 61 2 4655 5877 F 61 2 4655 5024 E camden@siteplus.com.au	Height Datum		Client Title		Dwg Title		Ref & Dwg No		
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	C	REVISED FOR FUTURE MOTORWAY & CARRS DRIVE	D.N	K.R	30.03.15				Checked	AH			CARRS DRIVE YAMBA		Sheet 20 of 29		
	D	REVISED TO COUNCIL COMMENTS	A.C	K.R	30.04.15				Approved	KR			MILES STREET SWALE DETAILS		Scale		
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		A.C	K.r	29.06.15										

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Height Datum	A.H.D	Client Title	YAMBA RESIDENTIAL SUBDIVISION PTY LTD	Dwg Title	PROPOSED LAYOUT LOT 1722 DP1035524 CARRS DRIVE YAMBA CARRS DRIVE DETAILS
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Approved	KR				

Ref & Dwg No

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Date

24.09.14

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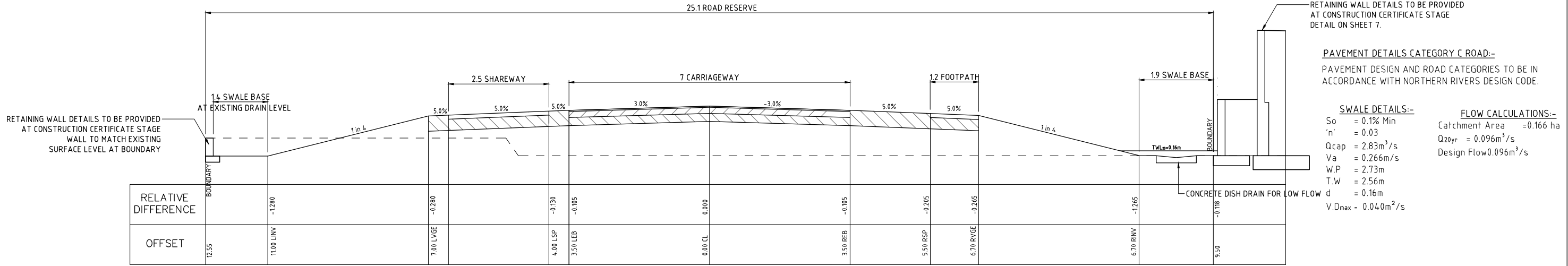
HEAD OFFICE
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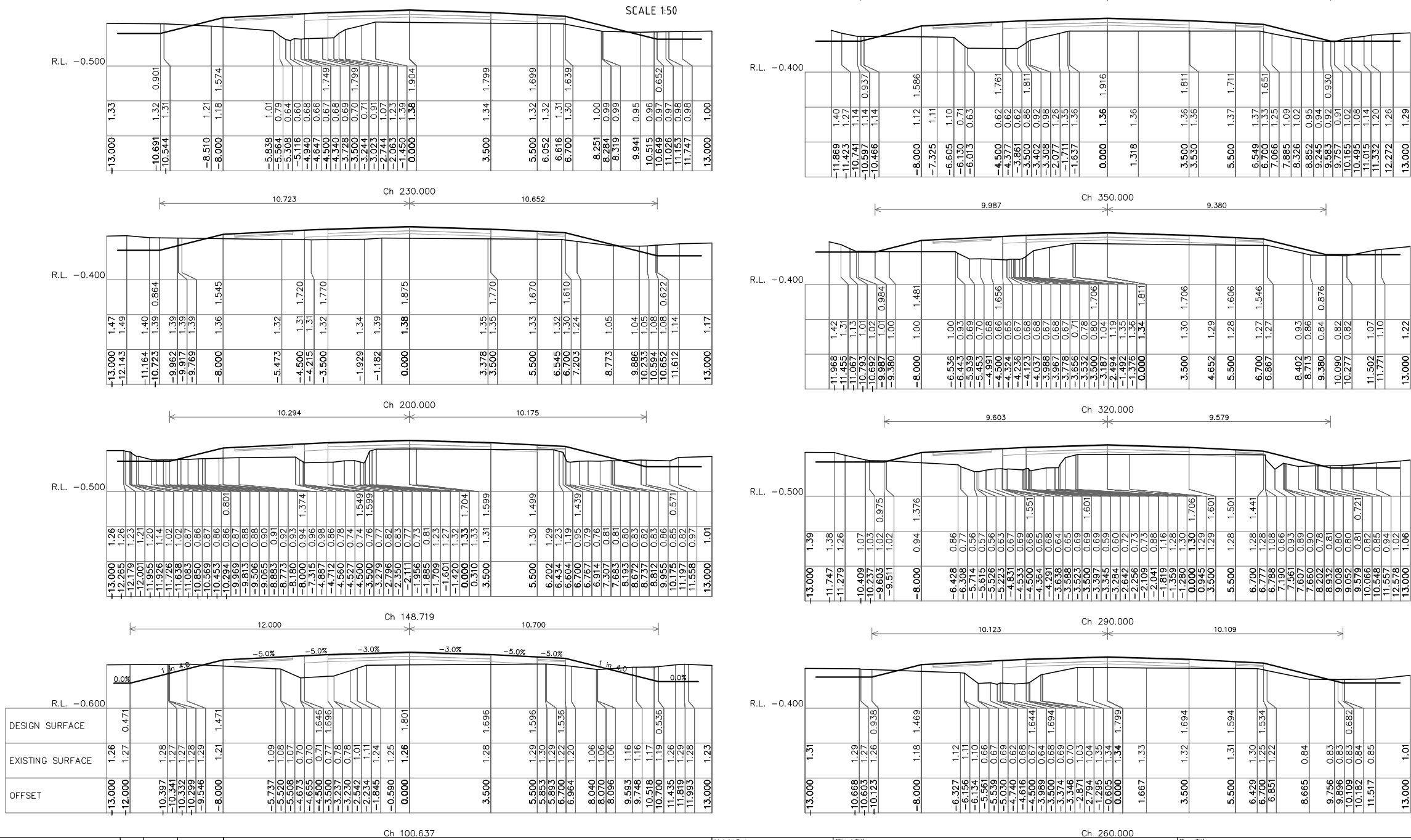
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Client Title	YAMBA RESIDENTIAL SUBDIVISION PTY LTD	
Dwg Status	FINAL	Local Authority
		CLARENCE VALLEY

Dwg Title	PROPOSED LAYOUT LOT 1722 DP1035524 CARRS DRIVE YAMBA CARRS DRIVE CROSS SECTIONS	
Ref & Dwg No	14140.DA1.C22	
Sheet No	22 of 29	
Scale	1:100 @ A1	
Date	24.09.14	Rev
		E A1



CARRS DRIVE, CHAINAGES 190.00-763.00
TYPICAL CROSS SECTION
SCALE 1:50



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REVISIONS

No.	DESCRIPTION
A	PRELIMINARY ISSUE
B	REVISED TO COUNCIL COMMENTS
C	REVISED FOR FUTURE MOTORWAY & CARRS DRIVE
D	REVISED TO COUNCIL COMMENTS
E	REVISED TO COUNCIL COMMENTS

DRN	APP	DATE
A.H	K.R	23.09.14
A.C	K.R	21.01.15
D.N	K.R	30.03.15
A.C	K.R	30.04.15
A.C	k.r	29.06/15



Site Plus Pty Ltd ABN 73 104 315 095



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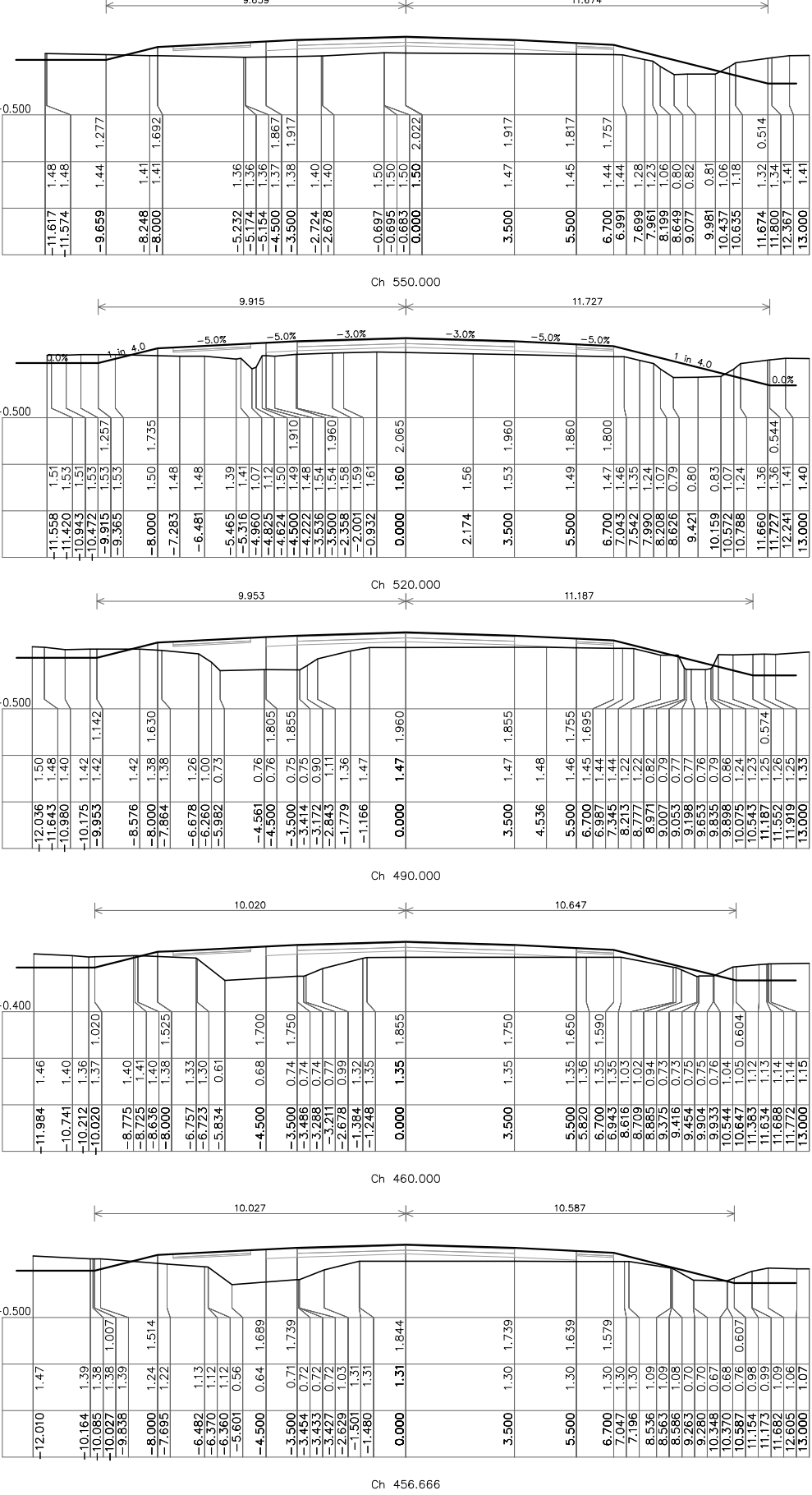
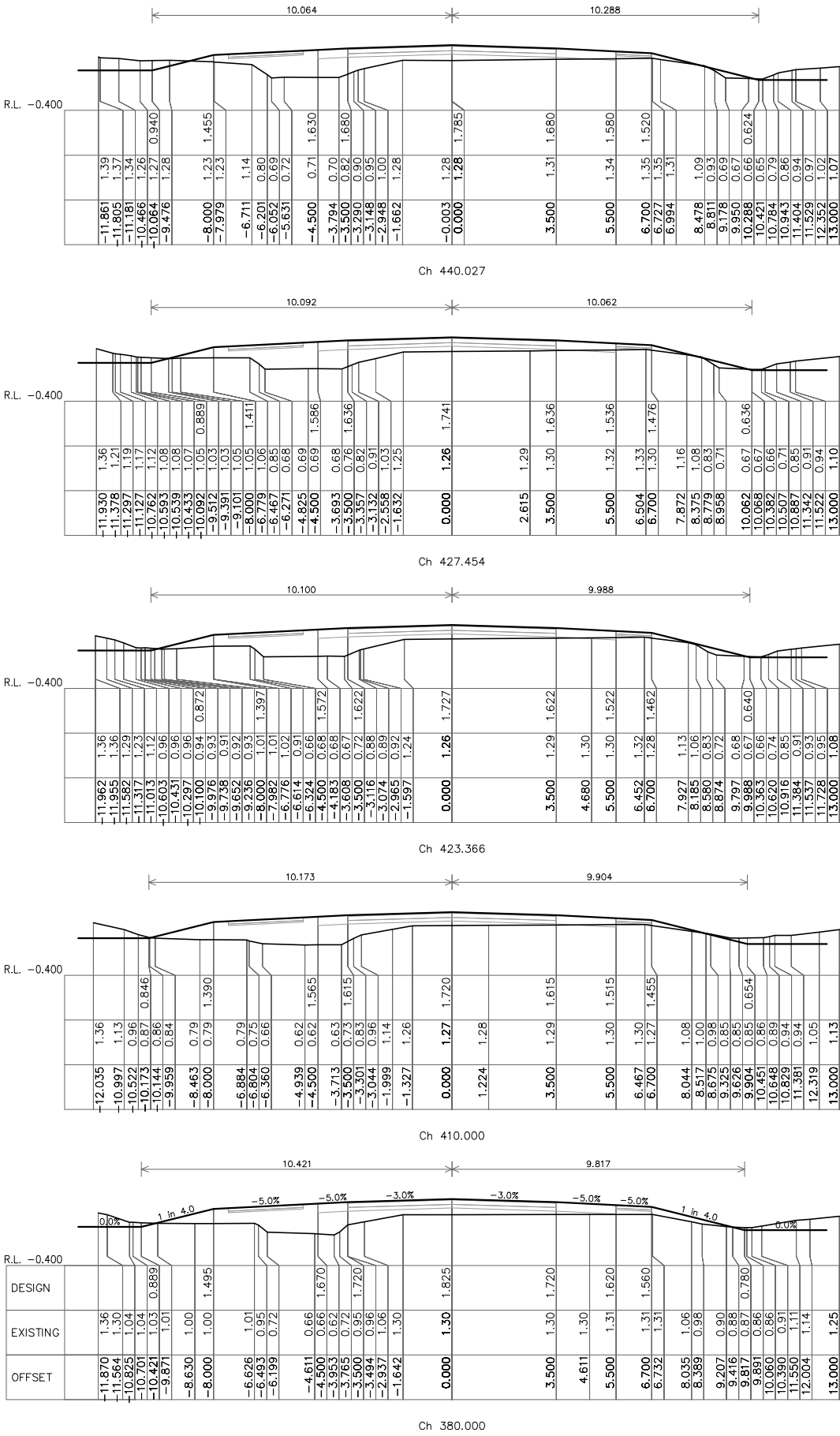
HEAD OFFICE
2a Thomas Street
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F 61 2 4655 5024
E info@siteplus.com.au

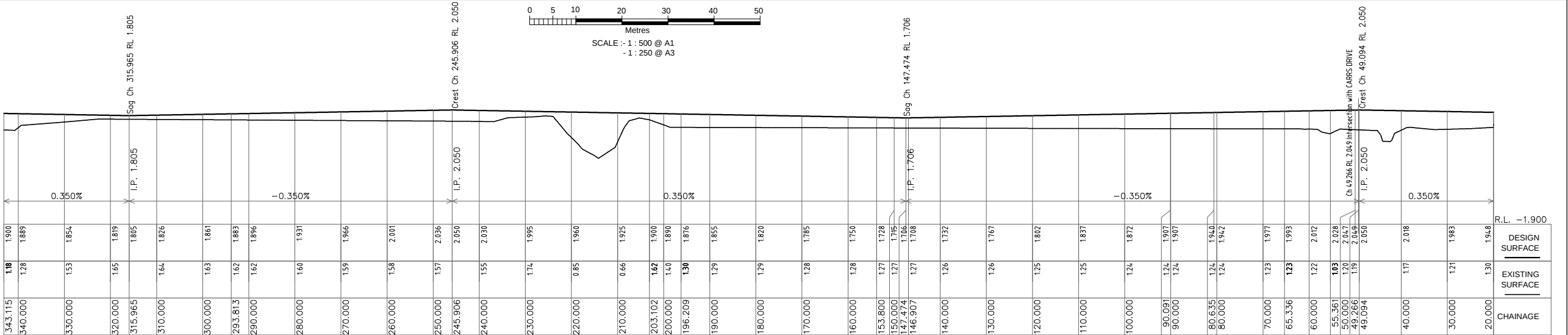
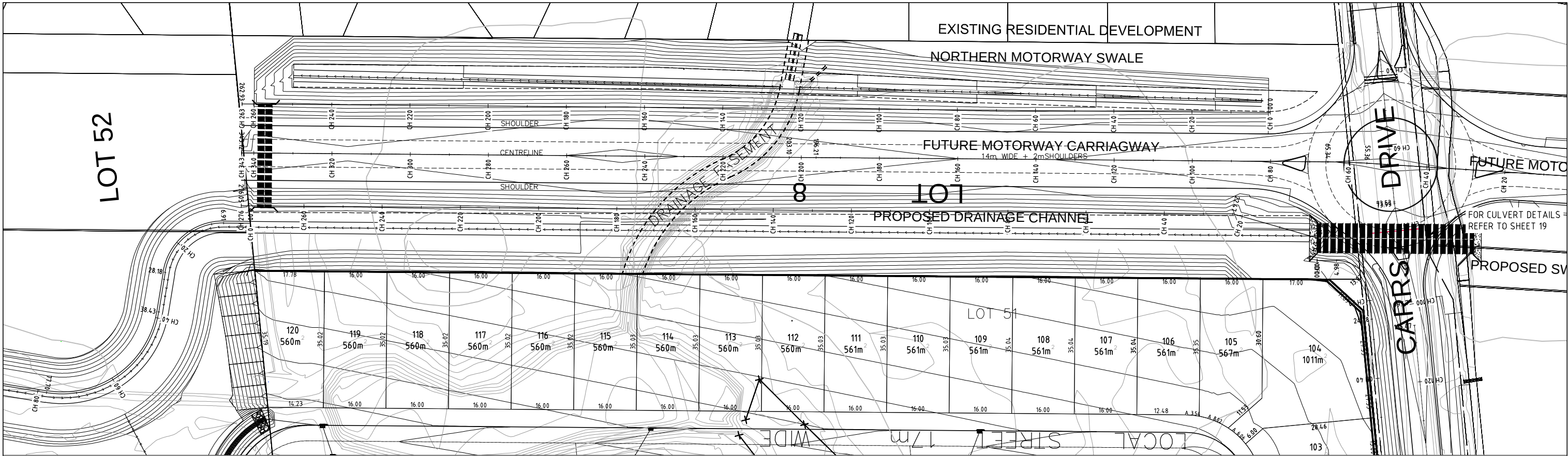
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E camden@siteplus.com.au

Height Datum	A.H.D
Drawn	AH
Designed	AH
Checked	KR
Approved	KR

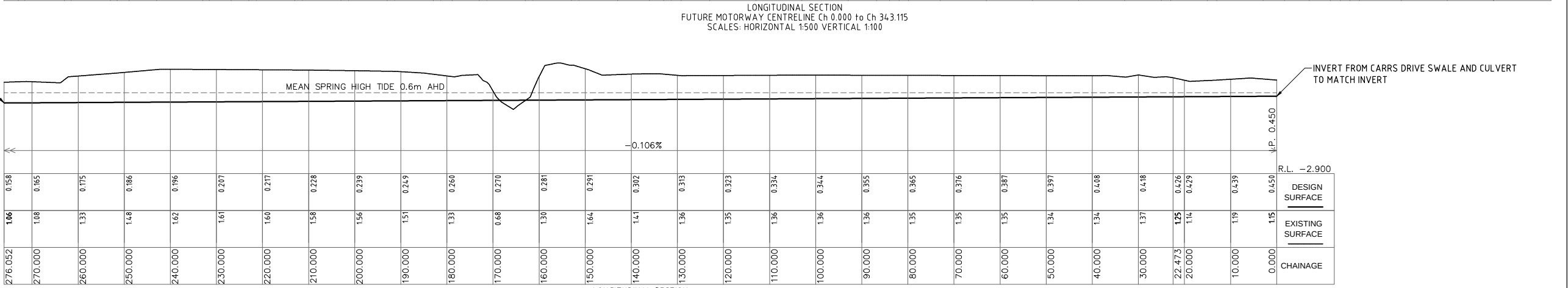
Client Title	YAMBA RESIDENTIAL SUBDIVISION PTY LTD	
Dwg Status	FINAL	Local Authority
		CLARENCE VALLEY

Dwg Title	PROPOSED LAYOUT LOT 1722 DP1035524 CARRS DRIVE YAMBA CARRS DRIVE CROSS SECTIONS - 2		
Ref & Dwg No	14140.DA1.C23		
Sheet No	23	of	29
Scale	1:100 @ A1		
Date	24.09.14	Rev	E
			A1



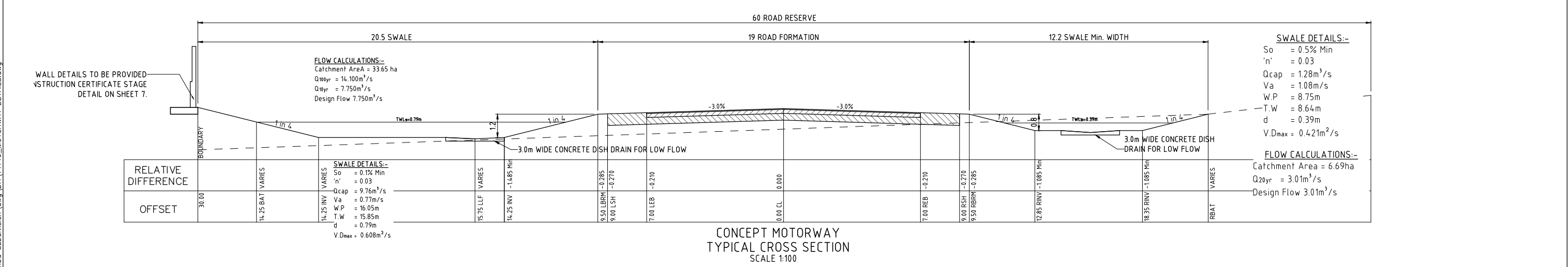
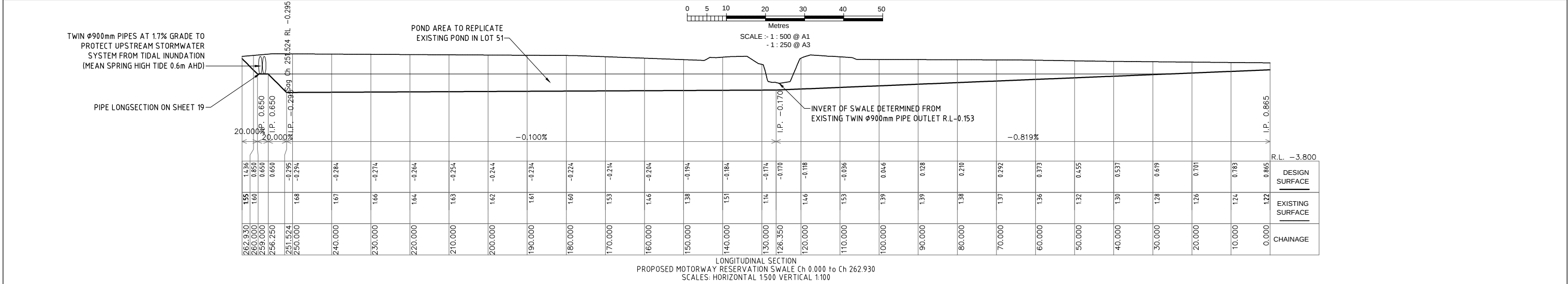
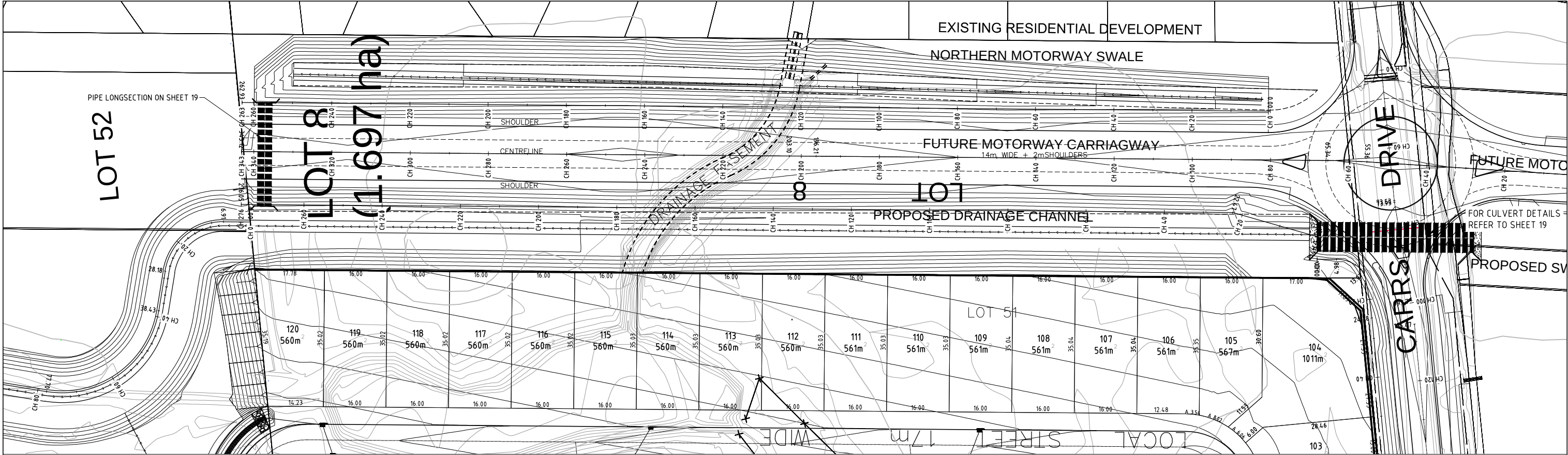


SWALE INVERT TO MATCH INVERT OF
OVERFLOW SWALE DETAILS ON SHEET 28



INVERT FROM CARRS DRIVE SWALE AND CULVERT
TO MATCH INVERT

REVISIONS	No.	DESCRIPTION	DRN	APP	DATE	siteplus Site Plus Pty Ltd ABN 73 104 315 095 planning engineering landscape design management		HEAD OFFICE 2a Thomas Street Wollongong NSW 2500 PO Box 5104 Wollongong NSW 2500 T 61 2 4227 4253 F 61 2 4227 4133 E info@siteplus.com.au	CAMDEN 12 View St Camden NSW 2570 T 61 2 4655 5877 F 61 2 4655 5024 E camden@siteplus.com.au										
	A	PRELIMINARY ISSUE	A.H	K.R	23.09.14	Height Datum	A.H.D	Client Title	YAMBA RESIDENTIAL		Dwg Title	PROPOSED LAYOUT		Ref & Dwg No	14140.DA1.C24				
	B	REVISED TO COUNCIL COMMENTS	A.C	K.R	21.01.15	Drawn	AH	YAMBA RESIDENTIAL SUBDIVISION PTY LTD	Dwg Status	FINAL	Local Authority	CLARENCE VALLEY	LOT 1722 DP1035524	CARRS DRIVE YAMBA	Sheet No	24	of	29	
	C	REVISED FOR FUTURE MOTORWAY & CARRS DRIVE	D.N	K.R.	30.03.15	Designed	AH								Scale	AS SHOWN			
	D	REVISED TO COUNCIL COMMENTS	A.C	K.R	30.04.15	Checked	KR								Date	24.09.14	Rev	E	A1
	E	REVISED TO COUNCIL COMMENTS	A.C	k.r	29.06/15	Approved	KR								CONCEPT MOTORWAY DETAILS				



REVISIONS	No.	DESCRIPTION	DRN	APP	DATE	 Site Plus Pty Ltd ABN 73 104 151 095 planning engineering landscape design management	HEAD OFFICE 2a Thomas Street Wollongong NSW 2500 PO Box 5104 Wollongong NSW 2520 T 61 2 4227 4253 F 61 2 4227 4133 E info@siteplus.com.au	CAMDEN 12 View St PO Box 615 Camden NSW 2570 T 61 2 4655 5877 F 61 2 4655 5024 E camden@siteplus.com.au	Height Datum	A.H.D	Client Title	YAMBA RESIDENTIAL SUBDIVISION PTY LTD	Dwg Title	PROPOSED LAYOUT LOT 1722 DP1035524 CARRS DRIVE YAMBA CONCEPT MOTORWAY DETAILS - 2	Ref & Dwg No 14140.DA1.C25		
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	B	REVISED TO COUNCIL COMMENTS	A.C	K.R	21.01.15				Designed	AH						Scale	AS SHOWN
	C	REVISED FOR FUTURE MOTORWAY & CARRS DRIVE	D.N	K.R	30.03.15				Checked	KR						Date	24.09.14
	D	REVISED TO COUNCIL COMMENTS	A.C	K.R	30.04.15				Approved	KR						Rev	E
E	REVISED TO COUNCIL COMMENTS	A.C	K.R	29.06.15					A1								

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REVISIONS

No.	DESCRIPTION
A	PRELIMINARY ISSUE
B	REVISED TO COUNCIL COMMENTS
C	REVISED FOR FUTURE MOTORWAY & CARRS DRIVE
D	REVISED TO COUNCIL COMMENTS
E	REVISED TO COUNCIL COMMENTS

DRN	APP	DATE
A.H	K.R	23.09.14
A.C	K.R	21.01.15
D.N	K.R	30.03.15
A.C	K.R	30.04.15
A.C	k.r	29.06.15

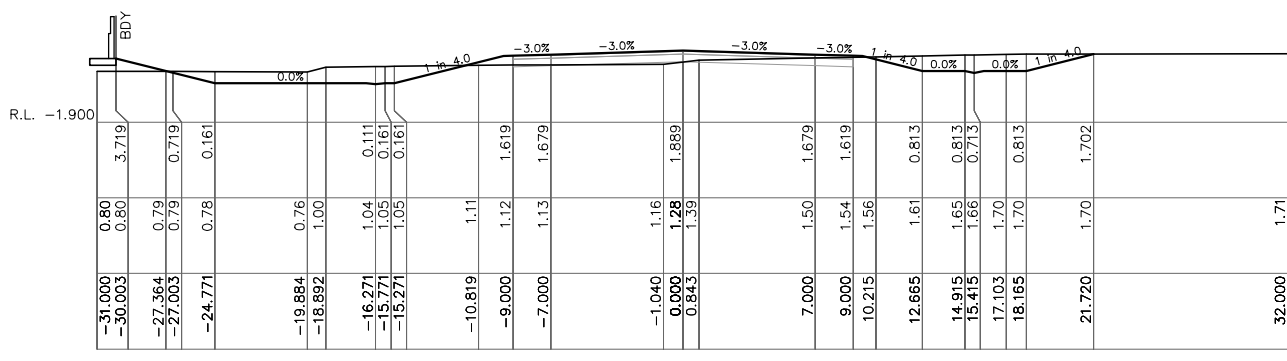
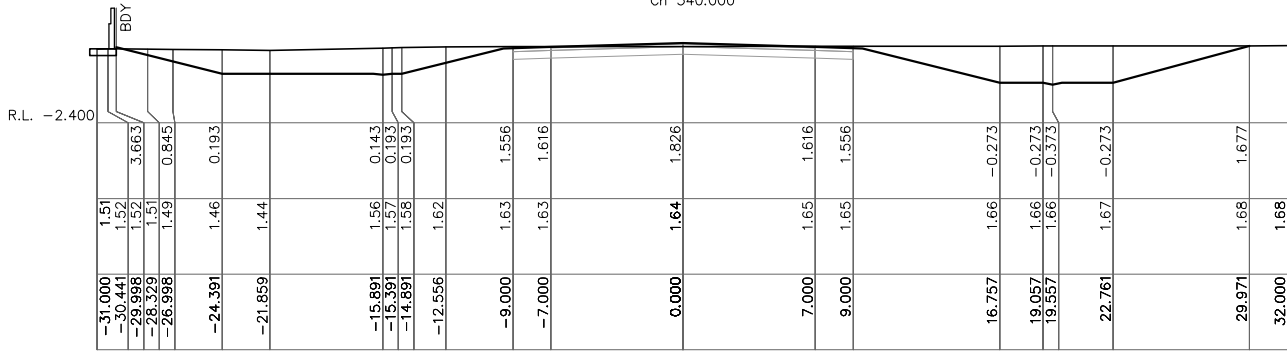
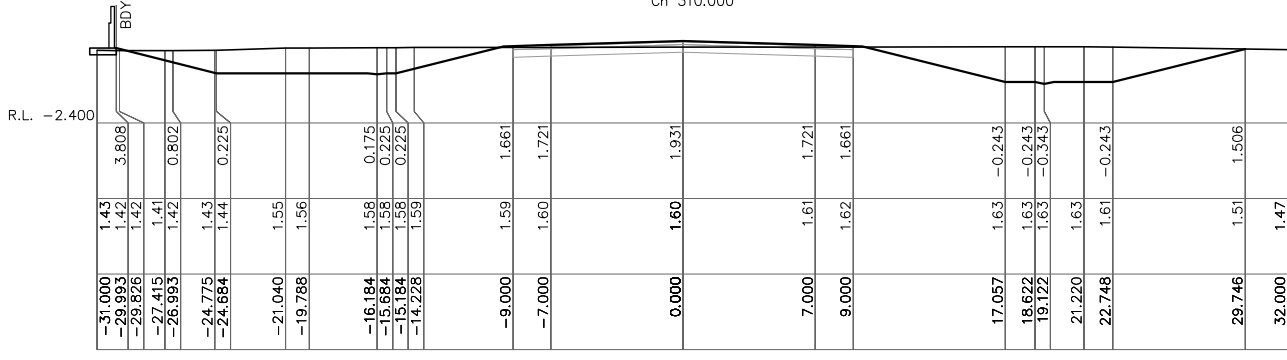
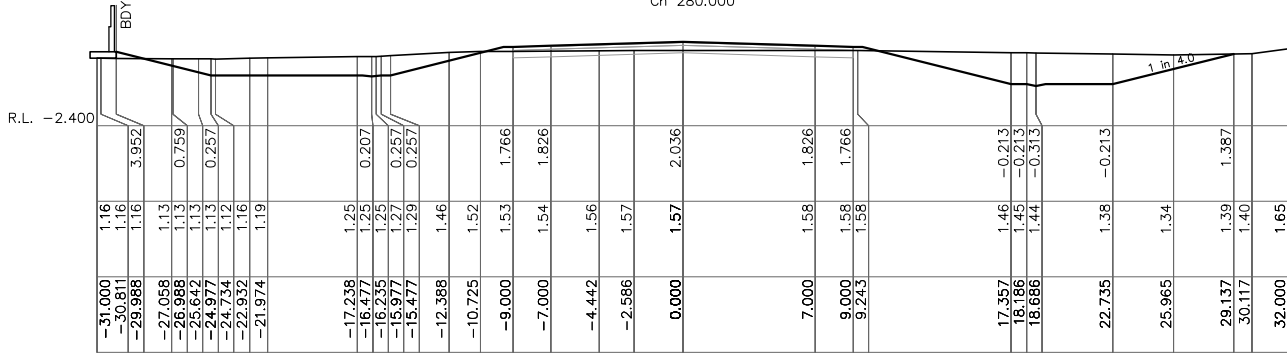
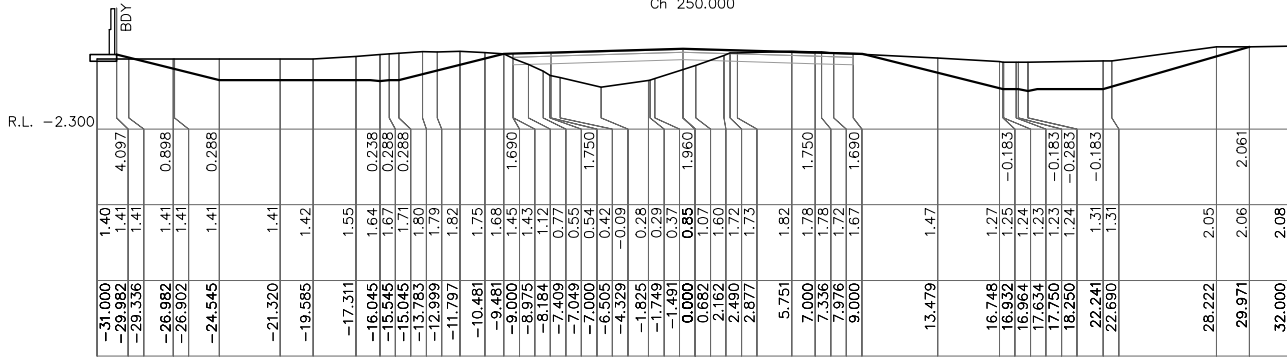
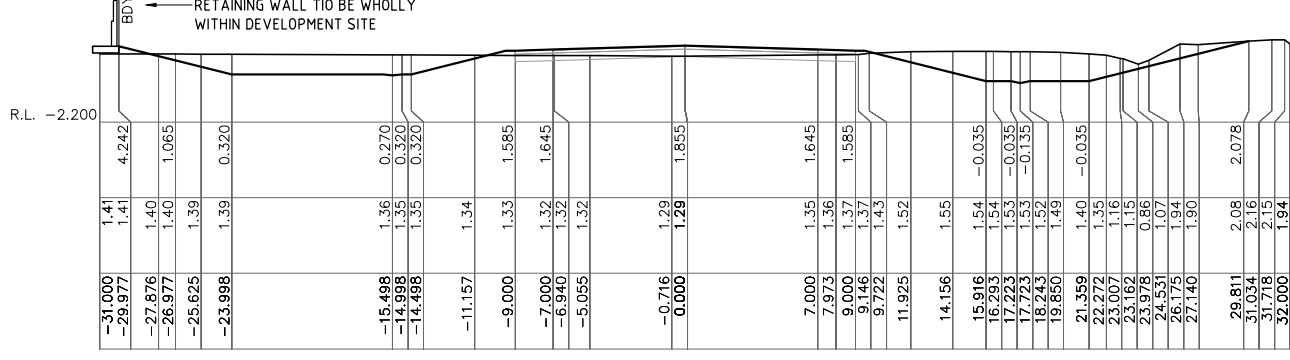
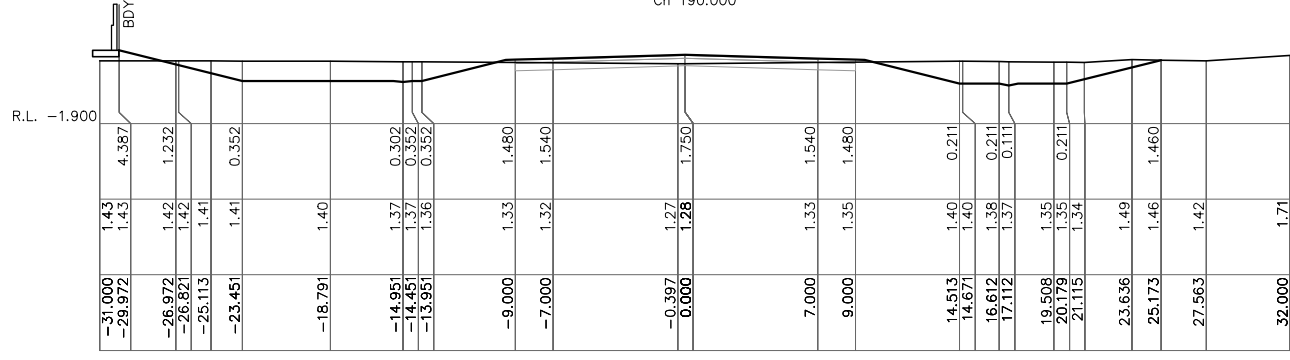
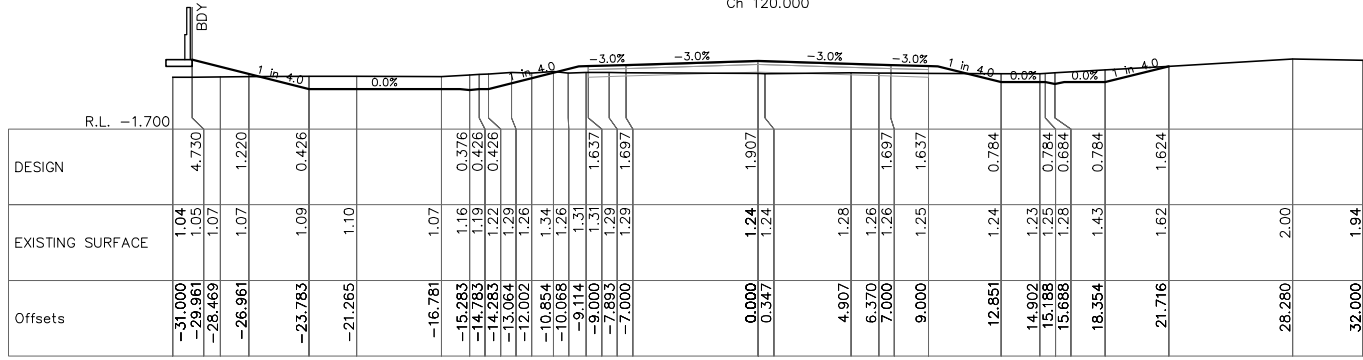


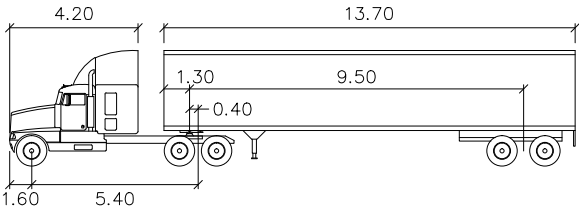
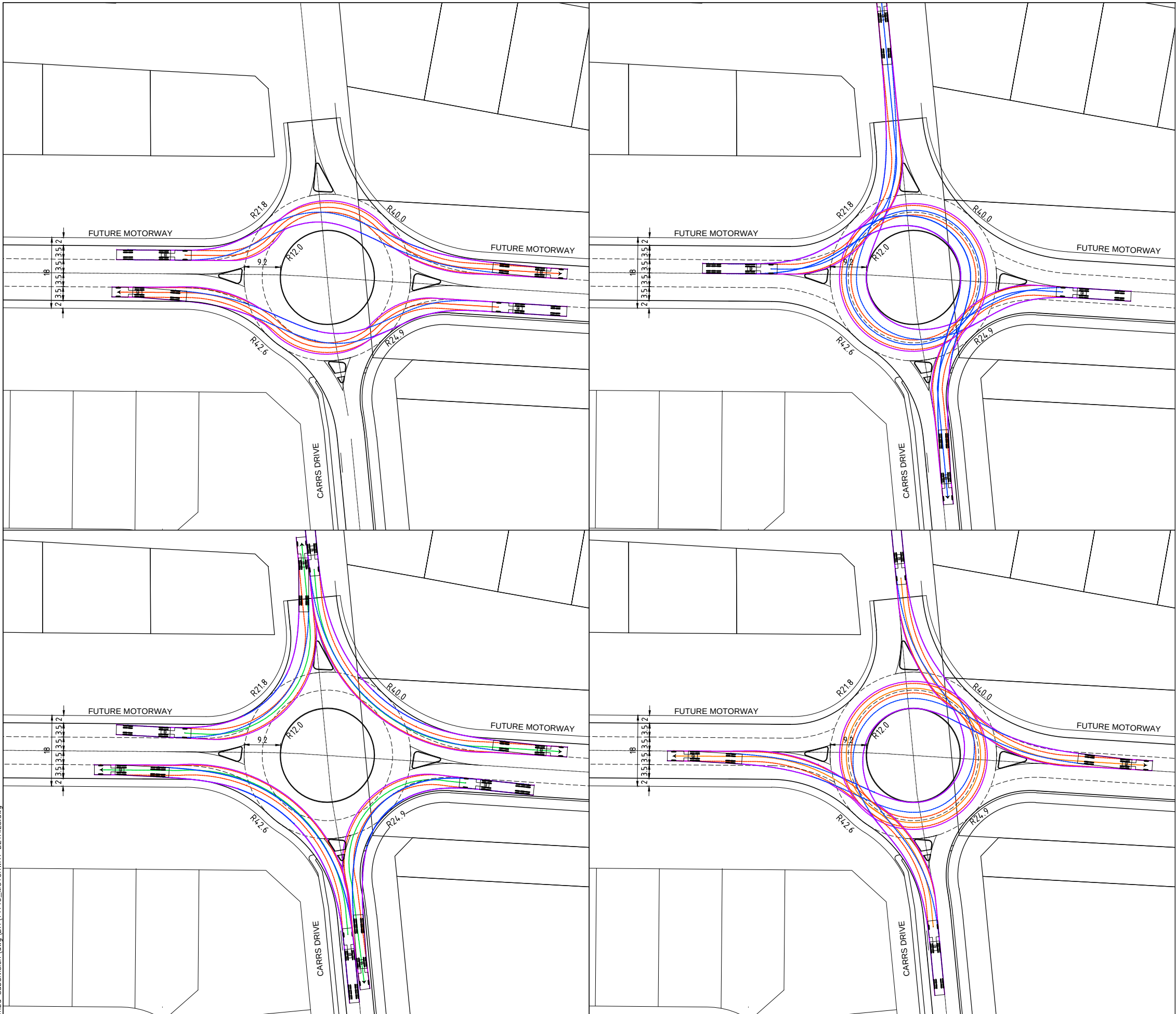
Site Plus Pty Ltd ABN 73 104 315 095

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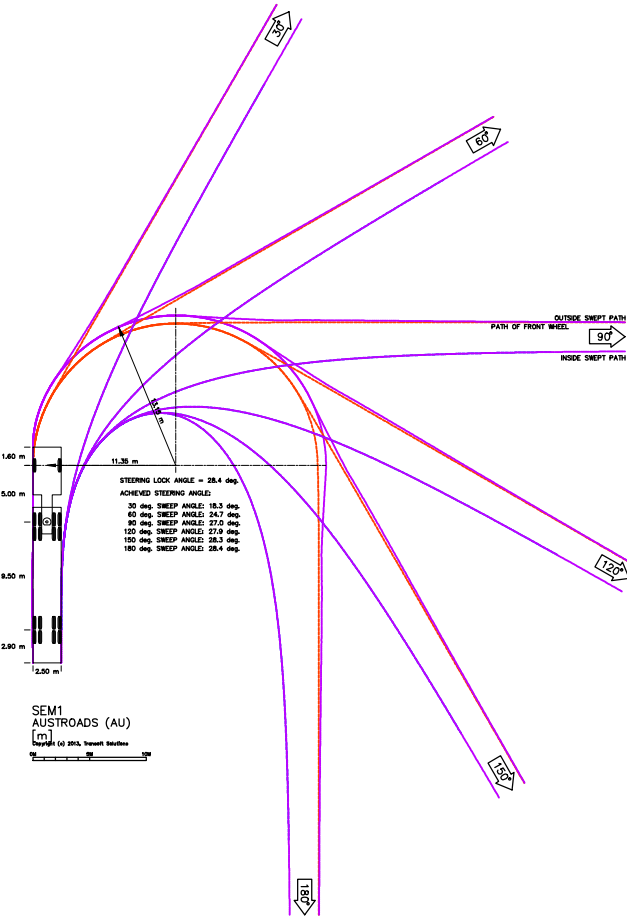
CAMDEN
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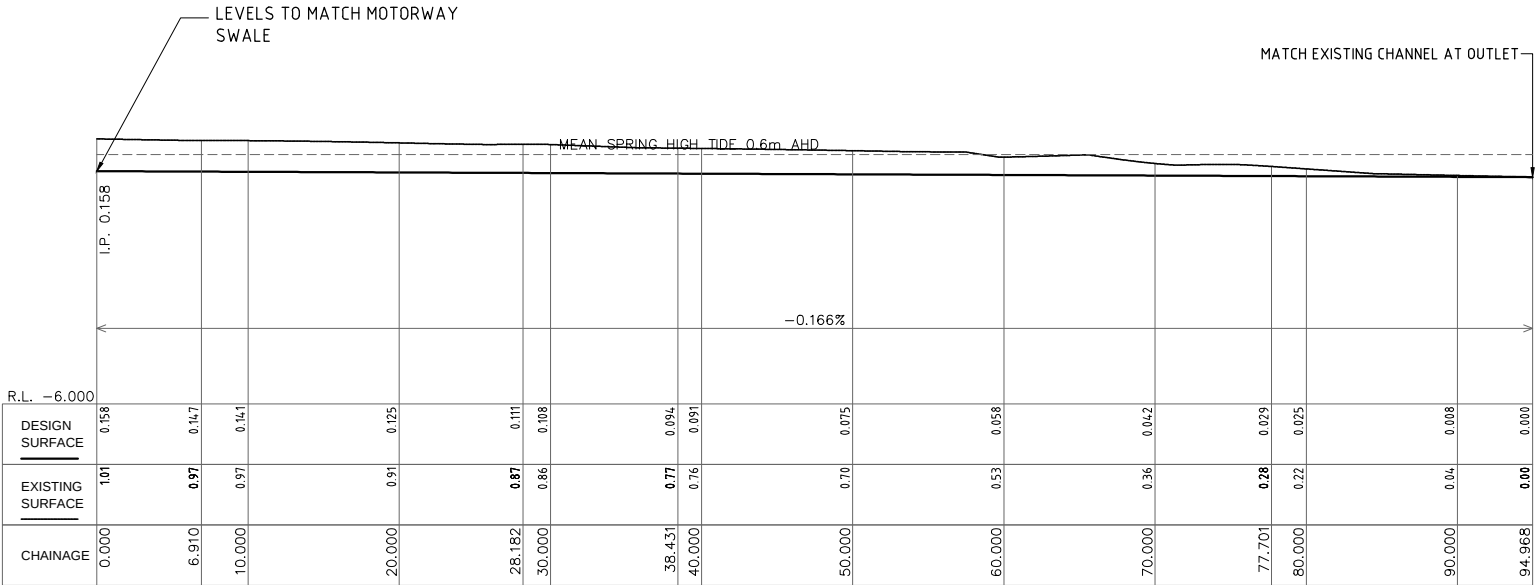
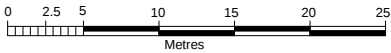
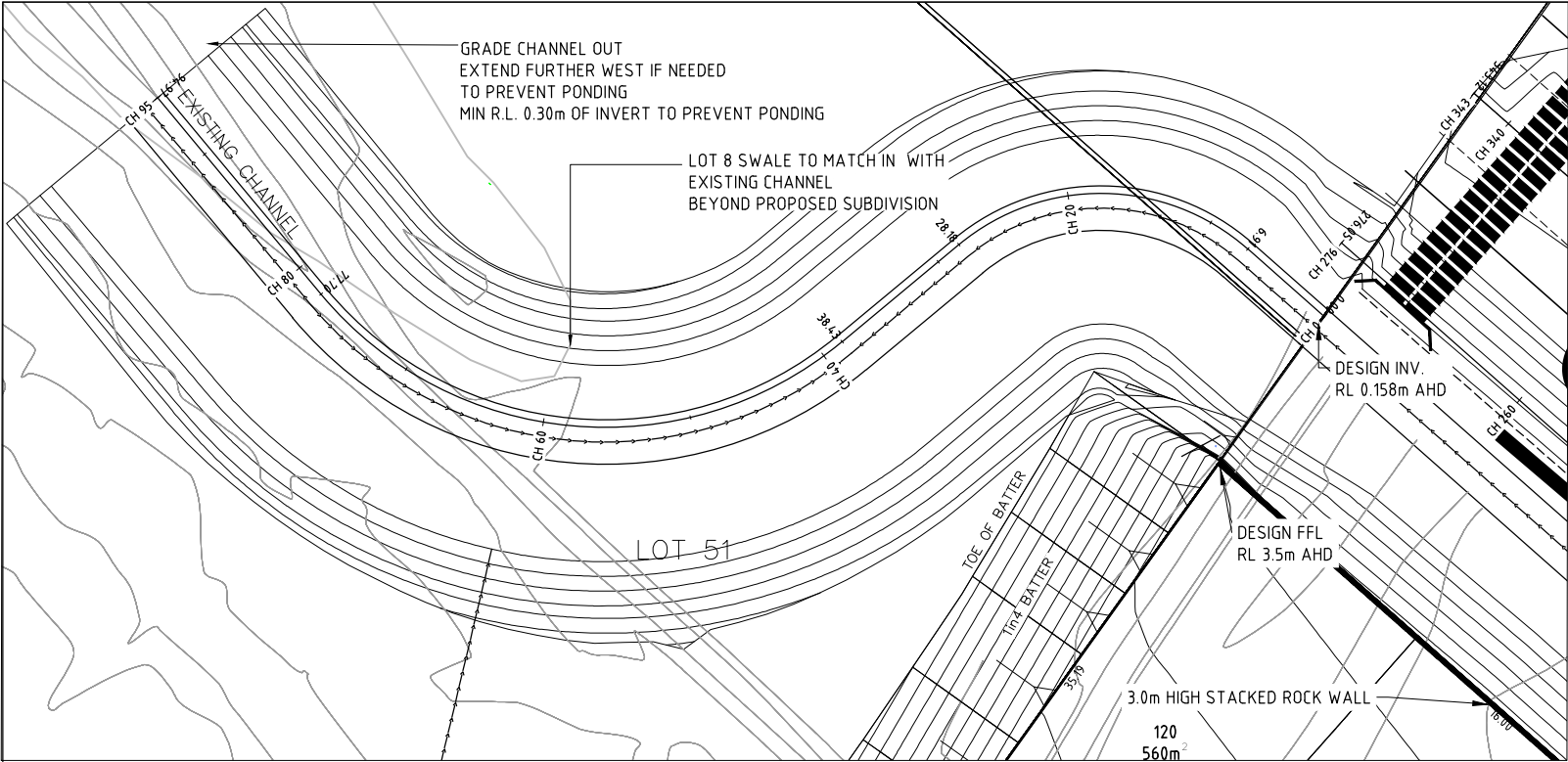


SEM1	meters		
Tractor Width	: 2.50	Lock to Lock Time	: 6.0
Trailer Width	: 2.50	Steering Angle	: 28.4
Tractor Track	: 2.50	Articulating Angle	: 70.0
Trailer Track	: 2.50		

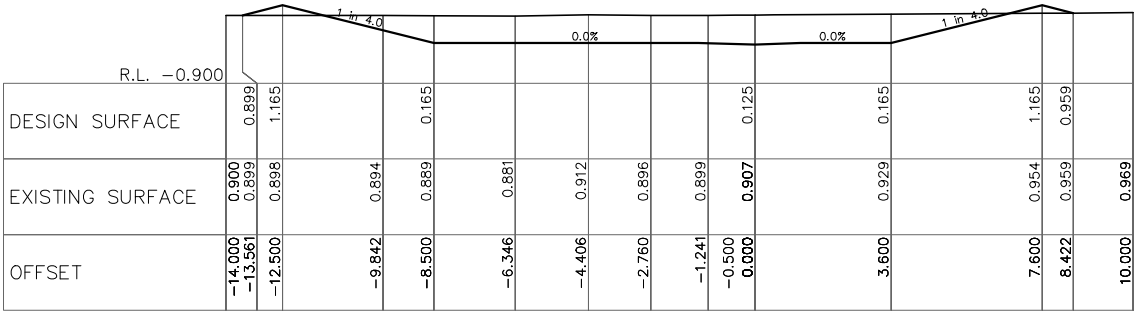
NOTE: SWEEP PATHS SHOWN OF A 19.0m SEMI TRAILER.



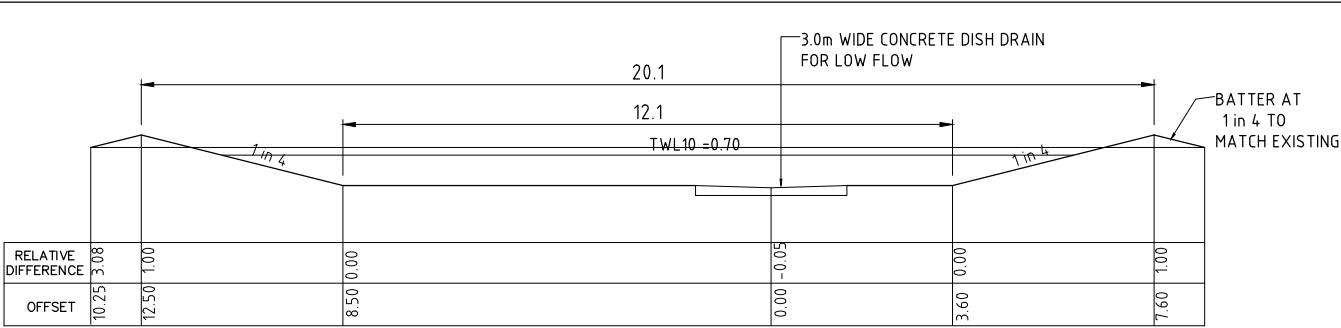
No.		DESCRIPTION	DRN	APP	DATE	 HEAD OFFICE 2a Thomas Street Wollongong NSW 2500 PO Box 5104 Wollongong NSW 2520 T 61 2 4227 4233 F 61 2 4227 4133 E info@siteplus.com.au CAMDEN 12 View St PO Box 615 Camden NSW 2570 T 61 2 4655 5877 F 61 2 4655 5024 E camden@siteplus.com.au planningengineeringlandscapedesignmanagement		Height Datum	A.H.D	Client Title	YAMBA RESIDENTIAL SUBDIVISION PTY LTD		Dwg Title	PROPOSED LAYOUT LOT 1722 DP1035524 CARRS DRIVE YAMBA MOTORWAY ROUNDABOUT SWEPTH PATHS		Ref & Dwg No	14140.DA1.C27	
REVISIONS	A	PRELIMINARY ISSUE	A.H	K.R	23.09.14			Drawn	AH					Sheet No	27 of 29			
	B	REVISED TO COUNCIL COMMENTS	A.C	K.R	21.01.15			Designed	AH					Sheet	27	of	29	
	C	REVISED FOR FUTURE MOTORWAY & CARRS DRIVE	D.N	K.R	30.03.15			Checked	KR					Scale	1:500 @ A1			
	D	REVISED TO COUNCIL COMMENTS	A.C	K.R	30.04.15			Approved	KR					Date	24.09.14	Rev	E	
	E	REVISED TO COUNCIL COMMENTS	A.C	k.r	29.06/15						Dwg Status	FINAL	Local Authority	CLARENCE VALLEY			A1	



LONGITUDINAL SECTION
OVERFLOW SWALE Ch 0.000 to Ch 94.968
SCALES: HORIZONTAL 1:250 VERTICAL 1:100



OVERFLOW SWALE
Scales: Horz 1:100 Vert 1:100
Ch 20.000



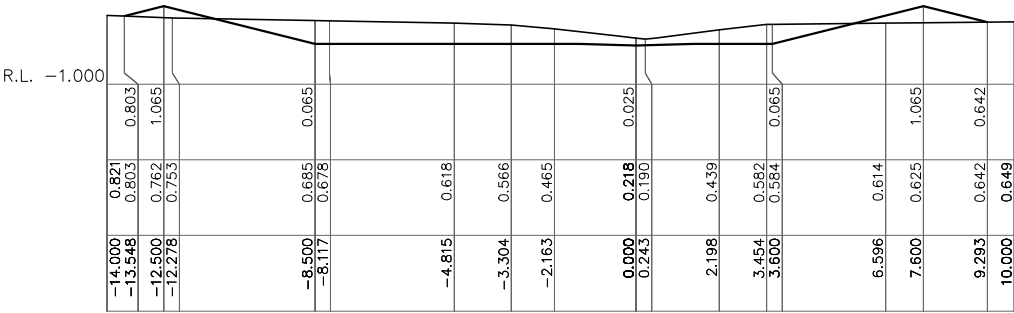
LOT 8 SWALE
TYPICAL CROSS SECTION
SCALE 1:75

SWALE DETAILS:-

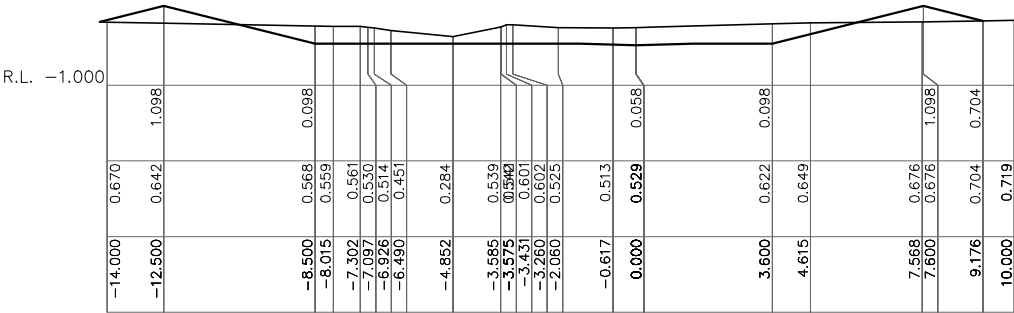
So = 0.1% Min
'n' = 0.03
Va = 0.736/s
W.P = 17.92m
T.W = 17.74m
d = 0.70m
V.Dmax = 0.515m²/s

FLOW CALCULATIONS:-

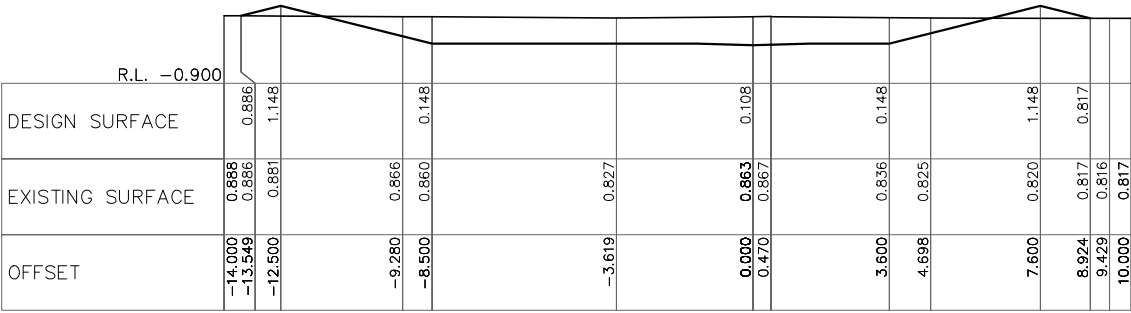
Catchment Area = 33.65 ha
Q100yr = 14,100m³/s
Q10yr = 7,750m³/s
Assume 100% Blocked
Pipe
Design Flow 7,750m³/s



Ch 80.000



Ch 60.000



Ch 30.000

T:\Projects\14140_Yamba Subdivision\dwg\DA\14140_MOTORWAY DETAILS.dwg

REVISIONS				No.				DESCRIPTION				DRN				APP				DATE				Height Datum				Client Title				Dwg Title				Ref & Dwg No			
A				P				PRELIMINARY ISSUE				A.H				K.R				23.09.14				A.H.D				YAMBA RESIDENTIAL				PROPOSED LAYOUT				14140.DA1.C28			
B				R				REVISED TO COUNCIL COMMENTS				A.C				K.R				21.01.15				AH				SUBDIVISION PTY LTD				LOT 1722 DP1035524				Sheet No 28 of 29			
C				R				REVISED FOR FUTURE MOTORWAY & CARRS DRIVE				D.N				K.R				30.03.15				AH								CARRS DRIVE YAMBA				Scale AS SHOWN			
D				R				REVISED TO COUNCIL COMMENTS				A.C				K.R				30.04.15				KR								OVERFLOW SWALE DETAILS				Date 24.09.14			
E				R				REVISED TO COUNCIL COMMENTS				A.C				k.r				29.06.15				KR				FINAL				CLARENCE VALLEY				Rev E			



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