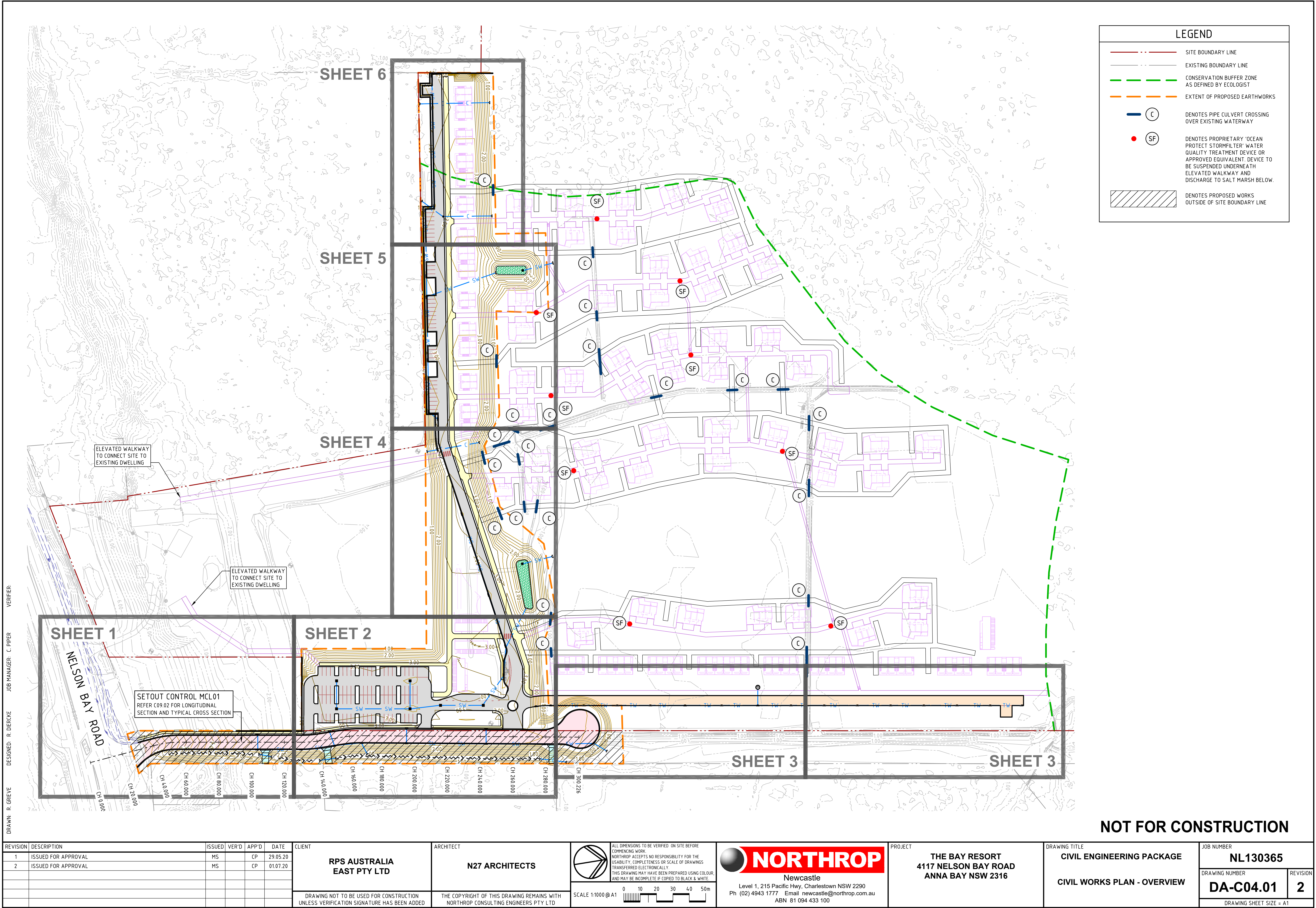
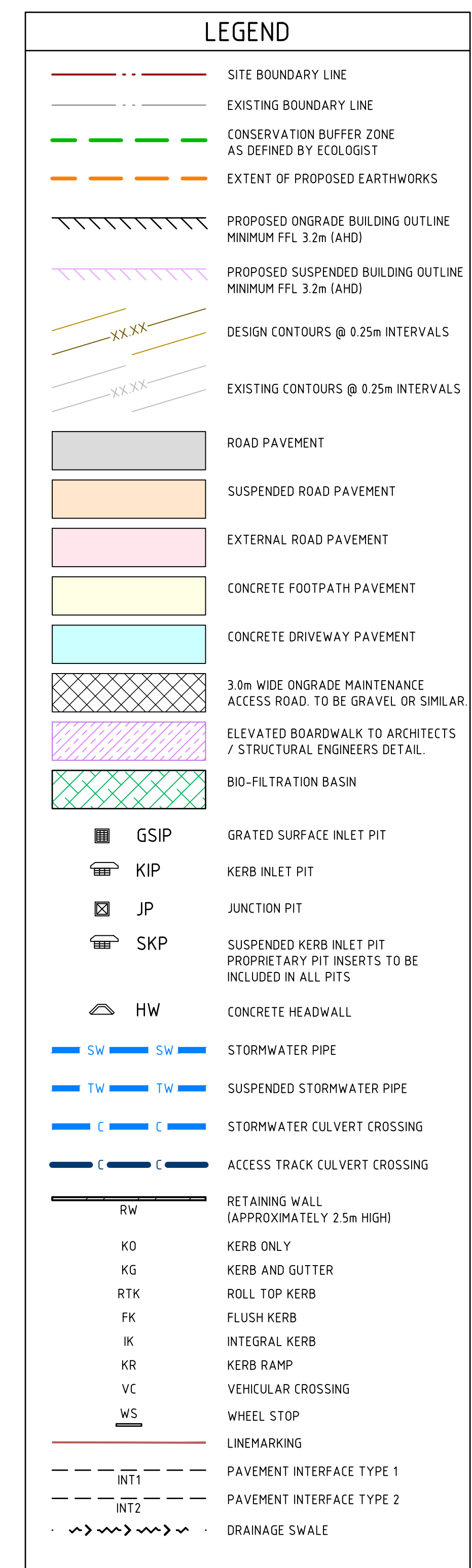
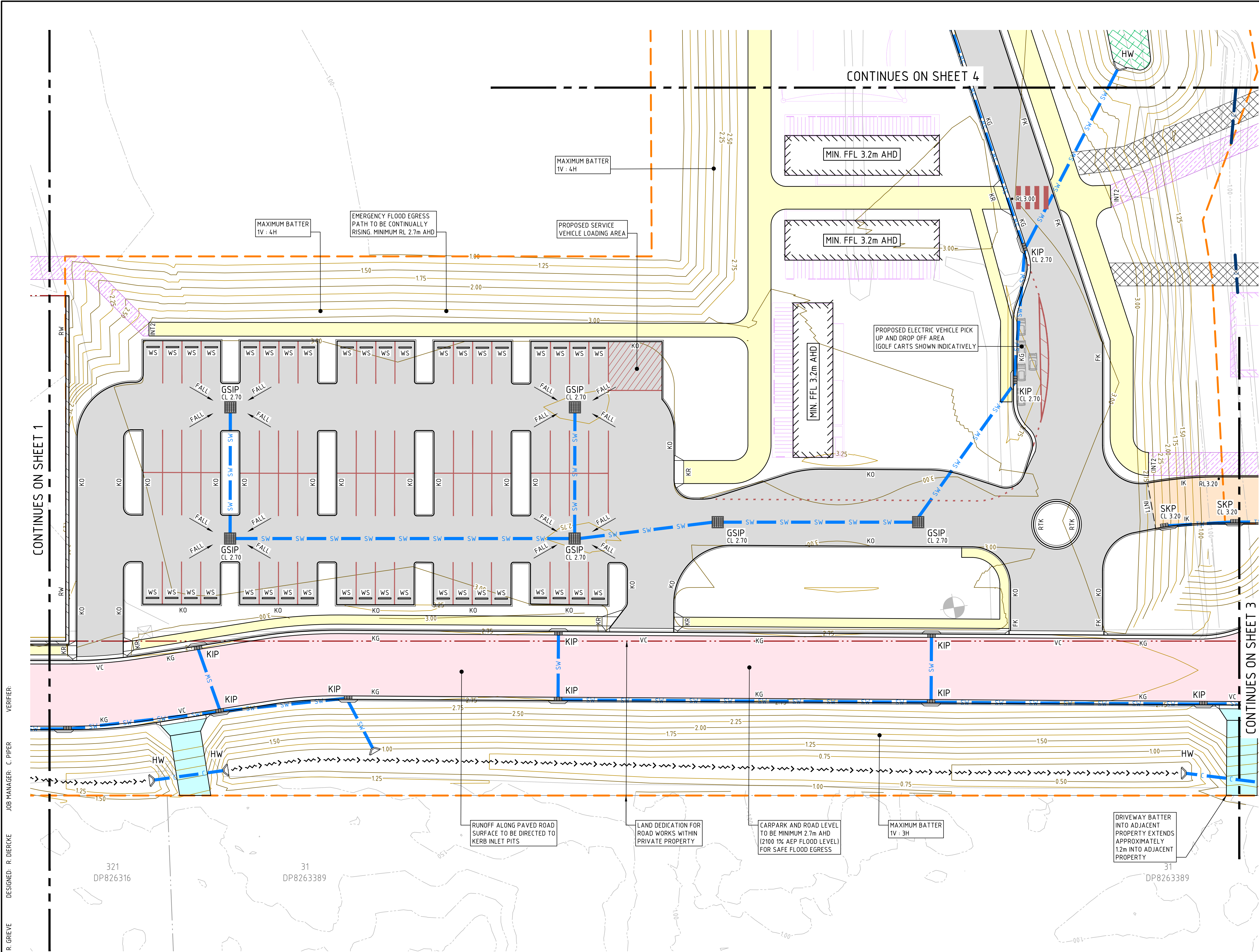






DRAWN: R. GRIEVE	DESIGNED: R. DIERCKE	JOB MANAGER: C. PIPER	VERIFIER:
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REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT		PROJECT	DRAWING TITLE	JOB NUMBER
1	ISSUED FOR APPROVAL	MS		CP	29.05.20	RPS AUSTRALIA EAST PTY LTD	N27 ARCHITECTS	 ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE.	 Newcastle Level 1, 215 Pacific Hwy, Charlestown NSW 2290 Ph (02) 4943 1777 Email newcastle@northrop.com.au ABN 81 094 433 100	CIVIL ENGINEERING PACKAGE	NL130365
2	ISSUED FOR APPROVAL	MS		CP	01.07.20					DRAWING NUMBER	REVISION
										DA-C04.11	2
										DRAWING SHEET SIZE = A1	
DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED						THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD					



LEGEND	
	SITE BOUNDARY LINE
	EXISTING BOUNDARY LINE
	CONSERVATION BUFFER ZONE AS DEFINED BY ECOLOGIST
	EXTENT OF PROPOSED EARTHWORKS
	PROPOSED ONGRADE BUILDING OUTLINE MINIMUM FFL 3.2m (AHD)
	PROPOSED SUSPENDED BUILDING OUTLINE MINIMUM FFL 3.2m (AHD)
	DESIGN CONTOURS @ 0.25m INTERVALS
	EXISTING CONTOURS @ 0.25m INTERVALS
	ROAD PAVEMENT
	SUSPENDED ROAD PAVEMENT
	EXTERNAL ROAD PAVEMENT
	CONCRETE FOOTPATH PAVEMENT
	CONCRETE DRIVEWAY PAVEMENT
	3.0m WIDE ONGRADE MAINTENANCE ACCESS ROAD. TO BE GRAVEL OR SIMILAR.
	ELEVATED BOARDWALK TO ARCHITECTS / STRUCTURAL ENGINEERS DETAIL.
	BIO-FILTRATION BASIN
	GSIP GRATED SURFACE INLET PIT
	KIP KERB INLET PIT
	JP JUNCTION PIT
	SKP SUSPENDED KERB INLET PIT PROPRIETARY PIT INSERTS TO BE INCLUDED IN ALL PITS
	HW CONCRETE HEADWALL
	SW STORMWATER PIPE
	TW SUSPENDED STORMWATER PIPE
	C STORMWATER CULVERT CROSSING
	ACCESS TRACK CULVERT CROSSING
	RW RETAINING WALL (APPROXIMATELY 2.5m HIGH)
	KO KERB ONLY
	KG KERB AND GUTTER
	RTK ROLL TOP KERB
	FK FLUSH KERB
	IK INTEGRAL KERB
	KR KERB RAMP
	VC VEHICULAR CROSSING
	WS WHEEL STOP
	LINEMARKING
	INT1 PAVEMENT INTERFACE TYPE 1
	INT2 PAVEMENT INTERFACE TYPE 2
	DRAINAGE SWALE

DRAWN: R. GREVE
DESIGNED: R. DIERCKE
JOB MANAGER: C. PIPER
VERIFIER:

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	ISSUED FOR APPROVAL	MS		CP	29.05.20
2	ISSUED FOR APPROVAL	MS		CP	01.07.20

CLIENT	RPS AUSTRALIA EAST PTY LTD
ARCHITECT	N27 ARCHITECTS
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SCALE 1:250@A1	0 2 4 6 8 10m
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NORTHROP
Newcastle
Level 1, 215 Pacific Hwy, Charlestown NSW 2290
Ph (02) 4943 1777 Email newcastle@northrop.com.au
ABN 81 094 433 100

PROJECT	THE BAY RESORT 4117 NELSON BAY ROAD ANNA BAY NSW 2316
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DRAWING TITLE	CIVIL ENGINEERING PACKAGE
CIVIL WORKS PLAN - SHEET 2	

JOB NUMBER	NL130365
DRAWING NUMBER	DA-C04.12
REVISION	2
DRAWING SHEET SIZE = A1	

NOT FOR CONSTRUCTION

DRAWN: R. GREVE
DESIGNED: R. DIERCKE
JOB MANAGER: C. PIPER
VERIFIER:

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	ISSUED FOR APPROVAL	MS		CP	01.07.20

CLIENT	RPS AUSTRALIA EAST PTY LTD
ARCHITECT	N27 ARCHITECTS
DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD

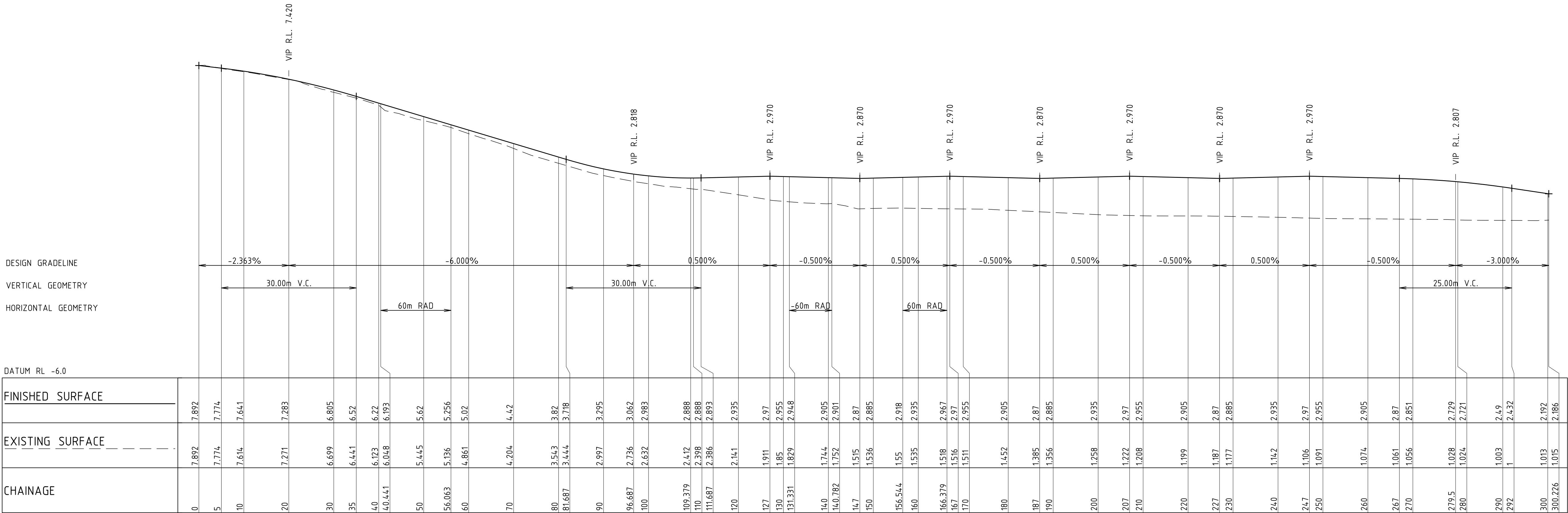
ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE.

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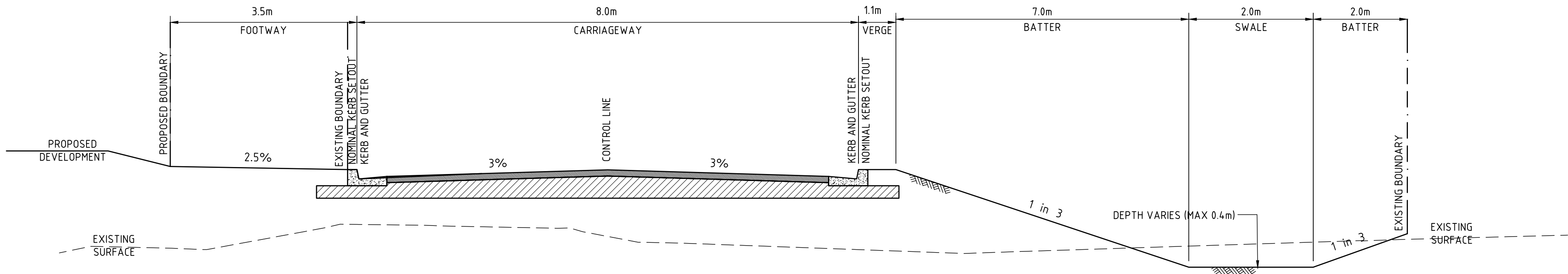
PROJECT	THE BAY RESORT 4117 NELSON BAY ROAD ANNA BAY NSW 2316
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DRAWING TITLE	CIVIL ENGINEERING PACKAGE CIVIL DETAILS - SHEET 2
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JOB NUMBER	NL130365
DRAWING NUMBER	DA-C09.02
REVISION	1
DRAWING SHEET SIZE = A1	



TYPICAL EXTERNAL ROAD SECTION



LONGITUDINAL SECTION ALONG MCL01

HORIZONTAL SCALE 1:500@A1
VERTICAL SCALE 1:100@A1

NOT FOR CONSTRUCTION