



LEGEND

NOTES:

- PRELIMINARY
NOT FOR
CONSTRUCTION

	BY	DATE
CLIENT		
DESIGN CHECKED	AYS	30.07.25
DESIGNED	MIS	30.07.25
DRAWN	MIS	30.07.25

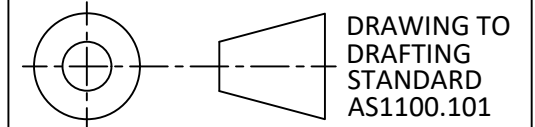
QGE Pty Ltd
ABN 57 144 928 030
www.qge.com.au

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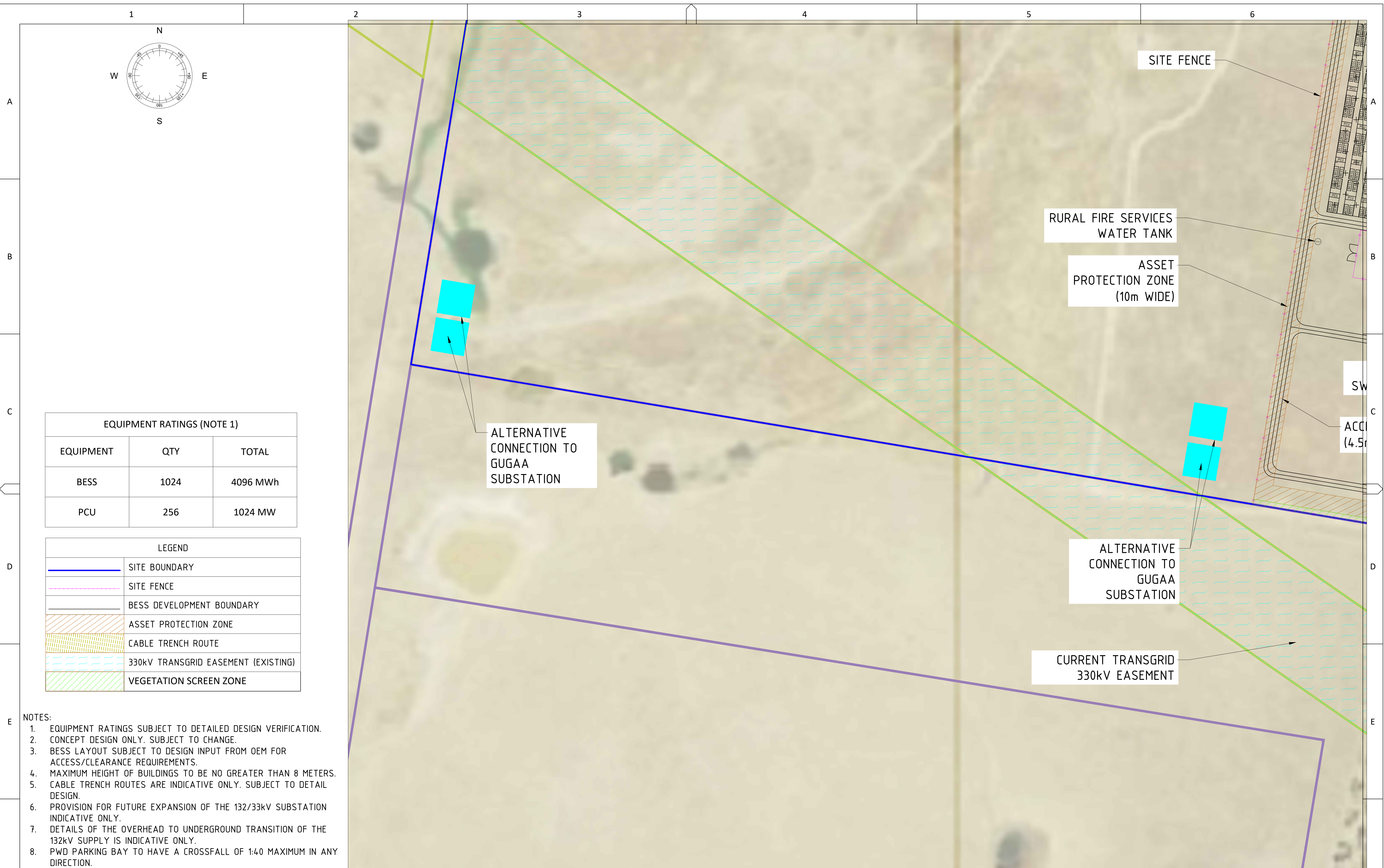


NE GULLY RD, GREGG RIVER NSW 2050
BESS & SUBSTATION
LAYOUT DRAWING

SCALE 1:3000



ZE A3
REV
B



1 2 3 4 5 6

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W N E S

EQUIPMENT RATINGS (NOTE 1)

EQUIPMENT	QTY	TOTAL
BESS	1024	4096 MWh
PCU	256	1024 MW

LEGEND

	SITE BOUNDARY
	SITE FENCE
	BESS DEVELOPMENT BOUNDARY
	ASSET PROTECTION ZONE
	CABLE TRENCH ROUTE
	330kV TRANSGRID EASEMENT (EXISTING)
	VEGETATION SCREEN ZONE

NOTES:

- EQUIPMENT RATINGS SUBJECT TO DETAILED DESIGN VERIFICATION.
- CONCEPT DESIGN ONLY. SUBJECT TO CHANGE.
- BESS LAYOUT SUBJECT TO DESIGN INPUT FROM OEM FOR ACCESS/CLEARANCE REQUIREMENTS.
- MAXIMUM HEIGHT OF BUILDINGS TO BE NO GREATER THAN 8 METERS.
- CABLE TRENCH ROUTES ARE INDICATIVE ONLY. SUBJECT TO DETAIL DESIGN.
- PROVISION FOR FUTURE EXPANSION OF THE 132/33kV SUBSTATION INDICATIVE ONLY.
- DETAILS OF THE OVERHEAD TO UNDERGROUND TRANSITION OF THE 132kV SUPPLY IS INDICATIVE ONLY.
- PWD PARKING BAY TO HAVE A CROSSFALL OF 1:40 MAXIMUM IN ANY DIRECTION.

SITE FENCE

RURAL FIRE SERVICES WATER TANK

ASSET PROTECTION ZONE (10m WIDE)

SW

ACCU (4.5m)

ALTERNATIVE CONNECTION TO GUGAA SUBSTATION

ALTERNATIVE CONNECTION TO GUGAA SUBSTATION

CURRENT TRANSGRID 330kV EASEMENT

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ASSET PROTECTION ZONE (10m WIDE)

SW

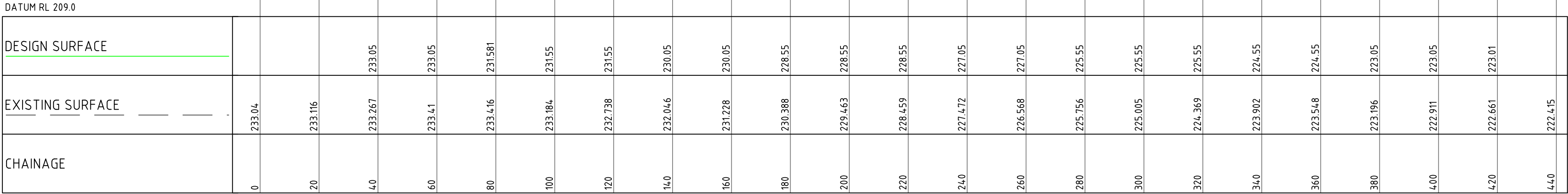
ACCU (4.5m)

ALTERNATIVE CONNECTION TO GUGAA SUBSTATION

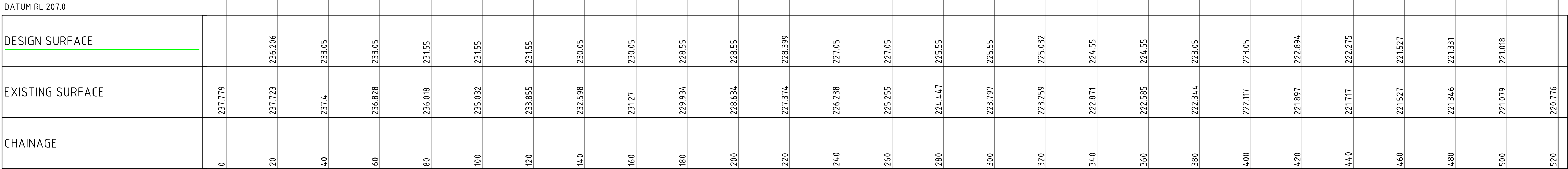
ALTERNATIVE CONNECTION TO GUGAA SUBSTATION

CURRENT TRANSGRID 330kV EASEMENT

Drawing @ Northrop Consulting Engineers Pty Ltd. Drawing Location: \\Northrop\\local\\Projects\\1 Current Bids\\Projects\\051883 - GUGAA BESS - 477 Gregadoo East Road\\Civil\\C Drawings\\A Working\\CD - Concept Design\\051883-CD-C03.31\\e.scs Date plotted: 11/7/2025 12:39 PM Sheet size: A1 Drawing to be printed in colour



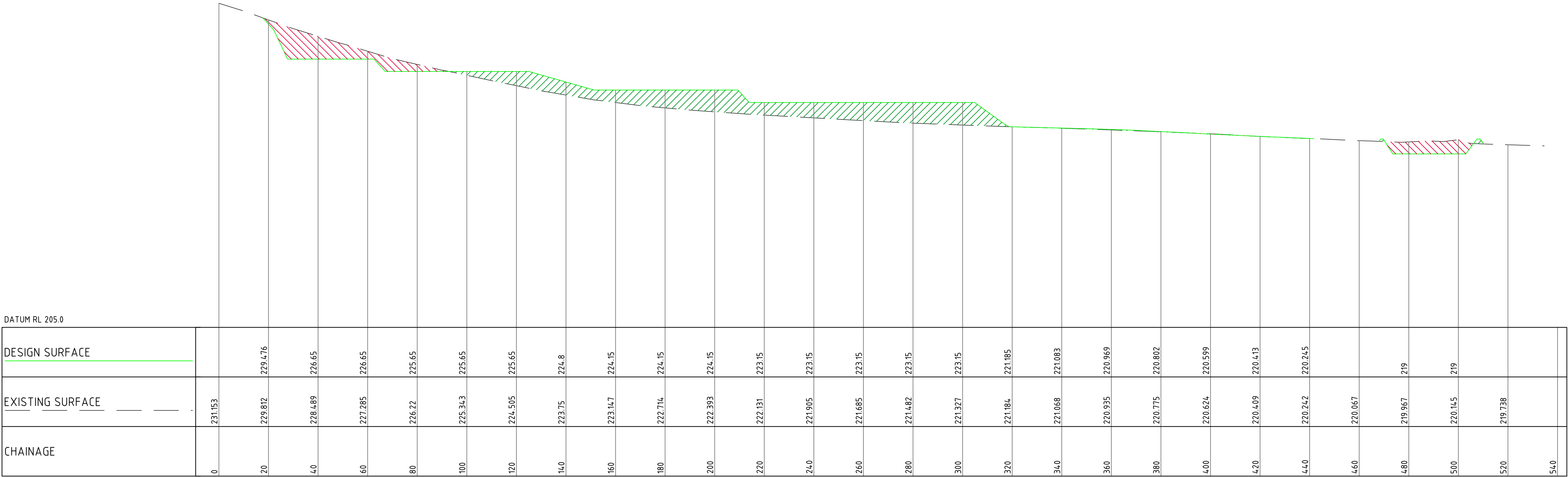
LONGITUDINAL SECTION ALONG 01
HORIZONTAL SCALE 1:1000@A1
VERTICAL SCALE 1:200@A1



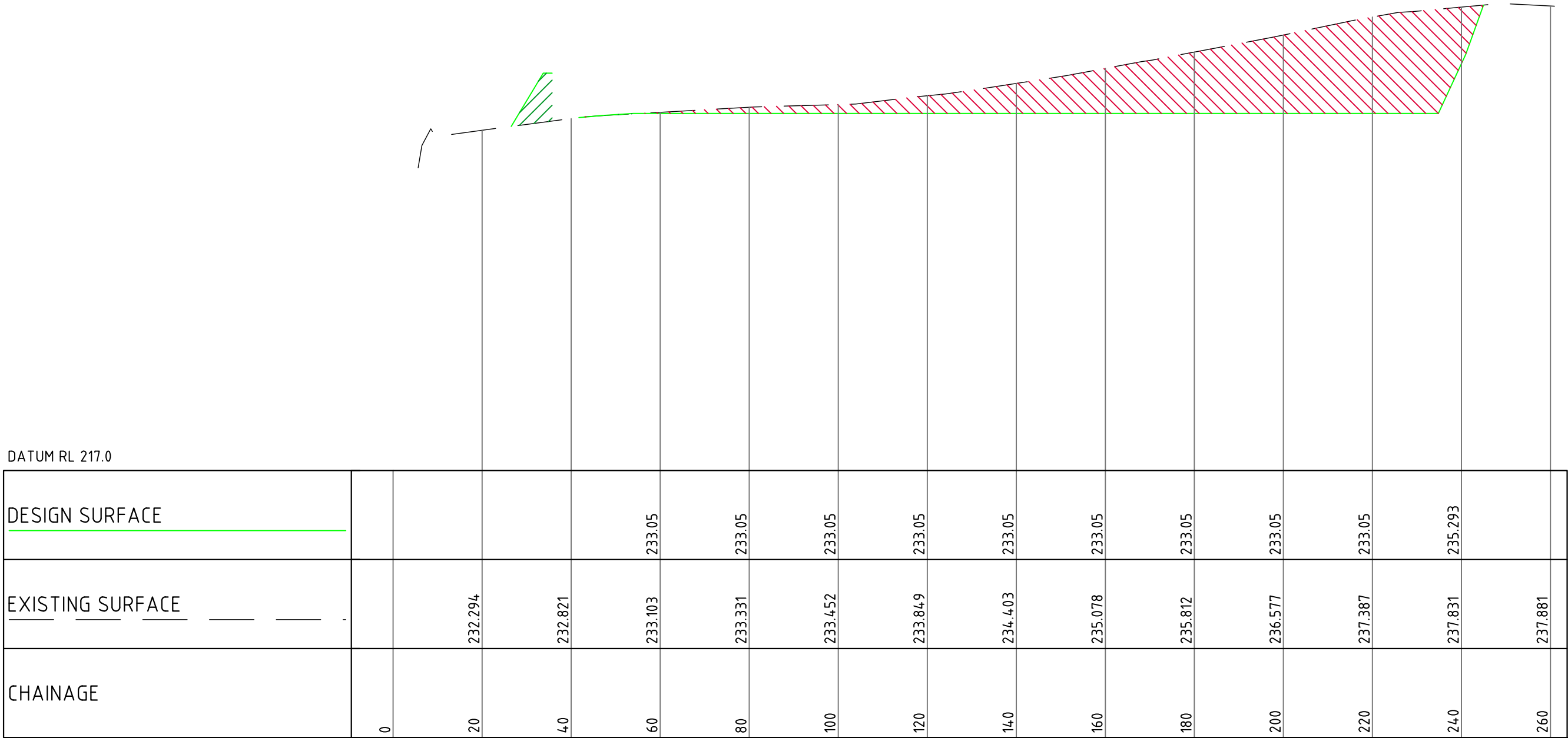
LONGITUDINAL SECTION ALONG 02
HORIZONTAL SCALE 1:1000@A1
VERTICAL SCALE 1:200@A1

NOT FOR CONSTRUCTION

Drawing @ Northrop Consulting Engineers Pty Ltd. Drawing Location: \\Northrop\\local\\Projects\\1 Current Bids\\Projects\\5183 - Guga Bess - 477 Gregadoo East Road\\Civil\\Drawings\\A Working\\CD - Concept Design\\251833-CD-C03.31\\a.scs Date plotted: 11/7/2025 12:39 PM Sheet size: A1 Drawing to be printed in colour



LONGITUDINAL SECTION ALONG 03
HORIZONTAL SCALE 1:1000@A1
VERTICAL SCALE 1:200@A1



LONGITUDINAL SECTION ALONG 04
HORIZONTAL SCALE 1:1000@A1
VERTICAL SCALE 1:200@A1

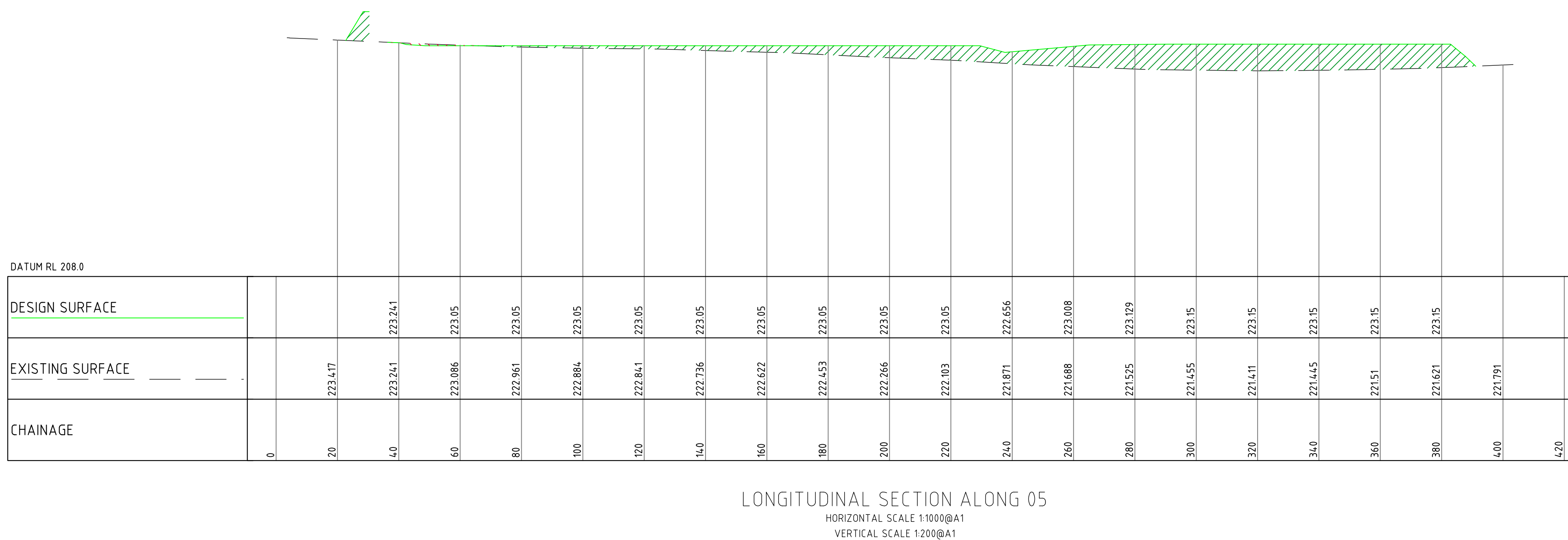
NOT FOR CONSTRUCTION

PARTNERS

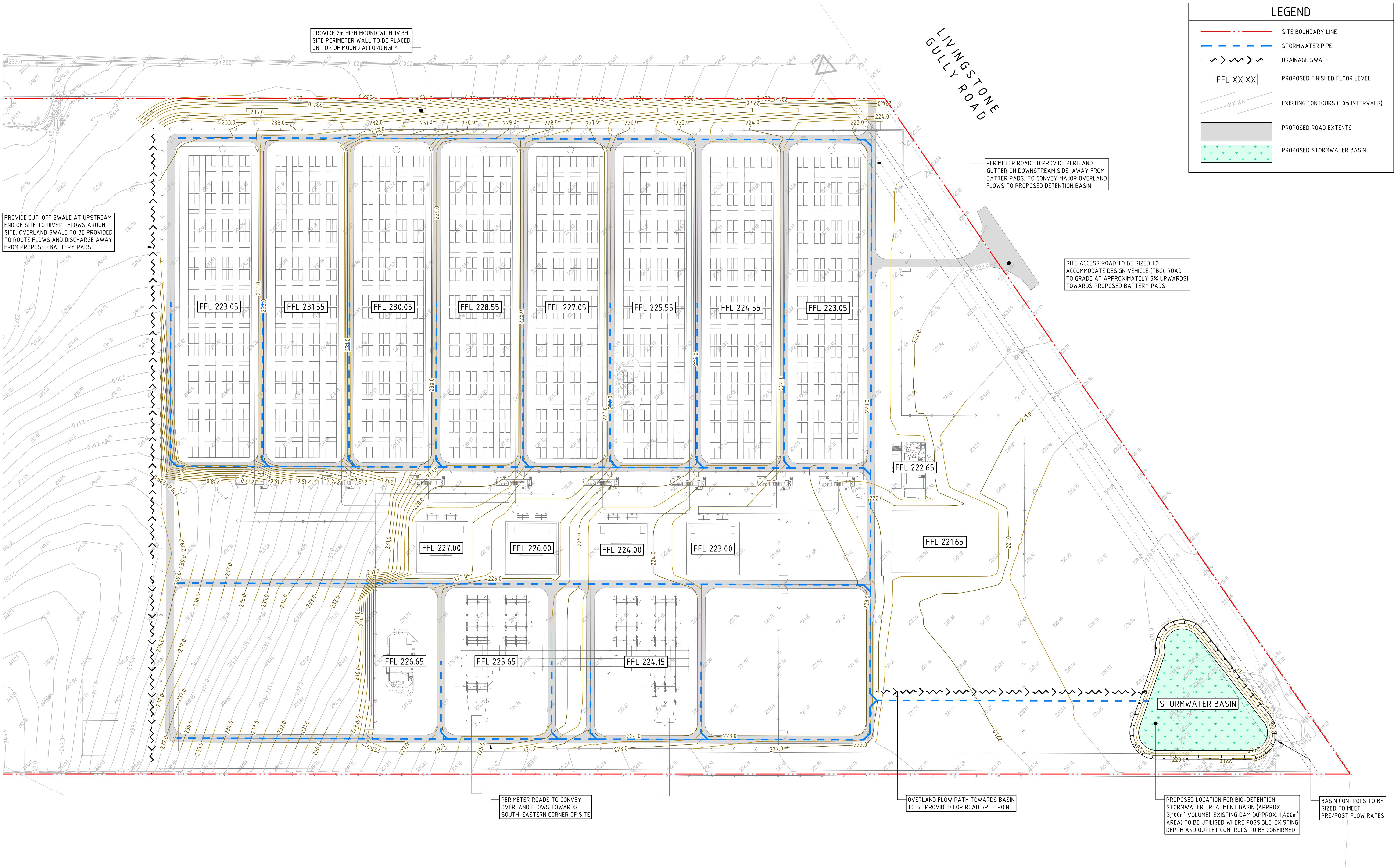


REV.	DESCRIPTION	ISSUED	DATE
A	ISSUED FOR INFORMATION	RD	07.11.25

NOT FOR CONSTRUCTION



Drawing Location: (Northrop Local Projects) Current Bids Projects\051883 - GUGAA BESS - 477 Gregadoo East Road\Civil\Drawings\A Working\CD - Concept Design\051883-CD-C04.01 civil plan
Date plotted: 11/7/2025 12:39 PM
Sheet size: A1
Drawing to be printed in colour
Drawing © Northrop Consulting Engineers Pty Ltd



NORTHROP

NEWCASTLE
Level 1, 215 Pacific Highway
Charlestown NSW 2290
newcastle@northrop.com.au
(02) 4943 1777

PARTNERS



DRAWN
Dimitri Mavroudis

DESIGNED
Ryan Diercke

1:1000
0 10 20 30 40 50m

Scale at A1

JOB MANAGER
Ryan Diercke

VERIFIER

REV. DESCRIPTION
A ISSUED FOR INFORMATION

ISSUED
RD

DATE
07.11.25

PROJECT

GUGAA BESS

ADDRESS

LOT 114 DP 757261
LIVINGSTONE GULLY ROAD
GREGADOO NSW 2650

DRAWING

CONCEPT STORMWATER
MANAGEMENT PLAN

JOB No.

NL251383

DRAWING No.

CD-C04.01

REV.

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