

240332-CENG-001(B)

CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 D.P.747391 & LOT 12 & 13 D.P.1219648 WYNDELLA ROAD, LOCHINVAR

Sheet List Table

Sheet Title	Sheet Description
240332-CENG-001(B)	TITLE SHEET, DRAWING INDEX, GENERAL NOTES & LOCALITY PLAN
240332-CENG-002(B)	OVERALL SITE PLAN
240332-CENG-101(B)	DETAIL PLAN: SHEET 1
240332-CENG-102(B)	DETAIL PLAN: SHEET 2
240332-CENG-103(B)	DETAIL PLAN: SHEET 3
240332-CENG-104(B)	DETAIL PLAN: SHEET 4
240332-CENG-105(B)	DETAIL PLAN: SHEET 5
240332-CENG-106(B)	DETAIL PLAN: SHEET 6
240332-CENG-111(B)	BASIN DETAIL PLANS
240332-CENG-112(B)	HW9 INTERSECTION PLAN
240332-CENG-201(B)	ROAD LONGITUDINAL SECTION: MC01
240332-CENG-202(B)	ROAD LONGITUDINAL SECTION: MC02
240332-CENG-203(B)	ROAD LONGITUDINAL SECTION: MC03 SHEET 1
240332-CENG-204(B)	ROAD LONGITUDINAL SECTION: MC03 SHEET 2
240332-CENG-205(B)	ROAD LONGITUDINAL SECTION: MC04
240332-CENG-206(B)	ROAD LONGITUDINAL SECTION: MC05 SHEET 1
240332-CENG-207(B)	ROAD LONGITUDINAL SECTION: MC05 SHEET 2
240332-CENG-208(B)	ROAD LONGITUDINAL SECTION: MC07
240332-CENG-209(B)	ROAD LONGITUDINAL SECTION: MC08
240332-CENG-210(B)	ROAD LONGITUDINAL SECTION: MC09
240332-CENG-211(B)	ROAD LONGITUDINAL SECTION: MC10
240332-CENG-212(B)	ROAD LONGITUDINAL SECTION: MC11
240332-CENG-213(B)	ROAD LONGITUDINAL SECTION: MC12
240332-CENG-214(B)	ROAD LONGITUDINAL SECTION: MC13
240332-CENG-215(B)	ROAD LONGITUDINAL SECTION: MC14
240332-CENG-216(B)	ROAD LONGITUDINAL SECTION: MC15
240332-CENG-217(B)	ROAD LONGITUDINAL SECTION: MC16
240332-CENG-218(B)	ROAD LONGITUDINAL SECTION: WYNDELLA ROAD SHEET 1
240332-CENG-219(B)	ROAD LONGITUDINAL SECTION: WYNDELLA ROAD SHEET 2
240332-CENG-221(B)	TYPICAL ROAD CROSS SECTIONS: SHEET 1
240332-CENG-222(B)	TYPICAL ROAD CROSS SECTIONS: SHEET 2
240332-CENG-223(B)	TYPICAL DETAILS
240332-CENG-224(B)	TYPICAL DETAIL LANDSCAPE MOUND
240332-CENG-501(B)	SITE REGRADE PLAN: SHEET 1
240332-CENG-502(B)	SITE REGRADE PLAN: SHEET 2
240332-CENG-503(B)	SITE REGRADE PLAN: SHEET 3
240332-CENG-504(B)	SITE REGRADE PLAN: SHEET 5
240332-CENG-505(B)	SITE REGRADE PLAN: SHEET 5
240332-CENG-506(B)	SITE REGRADE PLAN: SHEET 6
240332-CENG-511(B)	PAD LEVEL & RETAINING WALL PLAN: SHEET 1
240332-CENG-512(B)	PAD LEVEL & RETAINING WALL PLAN: SHEET 2
240332-CENG-521(B)	HIGHWAY VIEW CORRIDOR PLAN
240332-CENG-522(B)	HIGHWAY VIEW CORRIDOR SITE SECTION
240332-CENG-801(B)	EROSION AND SEDIMENT CONTROL: SHEET 1
240332-CENG-802(B)	EROSION AND SEDIMENT CONTROL: SHEET 2
240332-CENG-803(B)	EROSION AND SEDIMENT CONTROL: SHEET 3
240332-CENG-804(B)	EROSION AND SEDIMENT CONTROL: SHEET 4
240332-CENG-805(B)	EROSION AND SEDIMENT CONTROL: SHEET 5
240332-CENG-806(B)	EROSION AND SEDIMENT CONTROL: SHEET 6
240332-CENG-807(B)	BASIN CALCULATION CHARTS
240332-CENG-808(B)	EROSION AND SEDIMENT CONTROL DETAILS
240332-CENG-901(B)	INDICATIVE SERVICES PLAN: SHEET 1
240332-CENG-902(B)	INDICATIVE SERVICES PLAN: SHEET 2
240332-CENG-903(B)	INDICATIVE SERVICES PLAN: SHEET 3
240332-CENG-904(B)	INDICATIVE SERVICES PLAN: SHEET 4
240332-CENG-905(B)	INDICATIVE SERVICES PLAN: SHEET 5
240332-CENG-906(B)	INDICATIVE SERVICES PLAN: SHEET 6
240332-CENG-907(B)	TYPICAL SECTION SERVICE ALLOCATION- ROAD MC04
240332-CENG-911(B)	TURNING MOVEMENT PLANS

GENERAL NOTES:-

ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE APPROVED PLANS, SUBJECT TO MAITLAND CITY COUNCIL'S "MANUAL OF ENGINEERING STANDARDS".

SURVEY:-
ALL LEVELS SHALL BE OBTAINED FROM ESTABLISHED BENCHMARKS TO AUSTRALIAN HEIGHT DATUM (AHD).

TRAFFIC:-
TRAFFIC CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE RTA DOCUMENT "TRAFFIC CONTROL AT WORKSITES".

TREES:-
ALL TREES WITHIN THE ALLOTMENTS AND RESERVES (OTHER THAN ROAD RESERVES) SHALL BE RETAINED, UNLESS OTHERWISE NOMINATED BY AN APPROVED LANDSCAPE PLAN.
REMOVAL OF TREES FOR THE ESTABLISHMENT OF FIREBREAKS SHALL BE CARRIED OUT IN CONSULTATION WITH THE FIRE CONTROL OFFICER AND/OR COUNCIL'S ENVIRONMENTAL OFFICER.

UTILITIES:-
POINTS OF CONFLICT BETWEEN NEW CONSTRUCTION AND EXISTING UTILITY SERVICE MAINS SHALL BE IDENTIFIED, EXPOSED AND REPORTED TO THE PROJECT MANAGER PRIOR TO CONSTRUCTION.
SERVICE CONDUITS SHALL BE LAID IN POSITIONS AS APPROVED BY THE RELEVANT AUTHORITY.

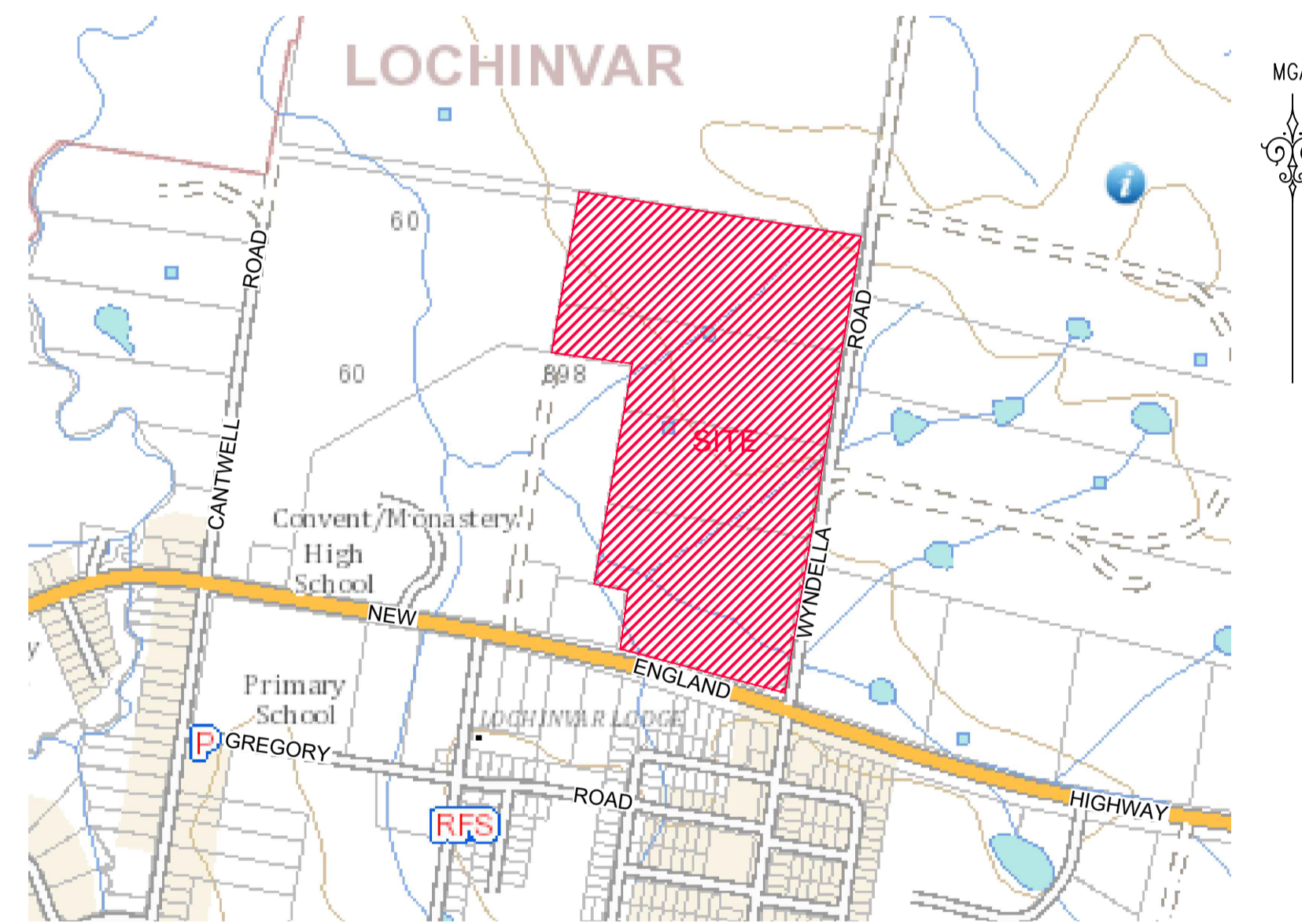
ADJOINING ACCESS:-
PROVISION SHALL BE MADE FOR SUITABLE PROTECTION OF THE EXISTING ROAD PAVEMENT, KERB AND GUTTER AND FOOTPATH FORMATION. VEHICULAR ACCESS AND ALL SERVICES TO ADJOINING PROPERTIES AFFECTED BY CONSTRUCTION WORKS, SHALL BE MAINTAINED AT ALL TIMES.

SOIL/GRASS:-
TOPSOIL, MIN. 150mm THICK SHALL BE APPLIED TO ALL FOOTPATHS AND FILLED AREAS. WHERE TURF IS NOT REQUESTED, ALL EXPOSED TOPSOIL SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF THE SOIL SPREADING OPERATION. AT MINIMUM, A TURF STRIP SHALL BE PLACED ALONG EACH SIDE OF CONCRETE PATHWAYS, DRAINAGE STRUCTURES, DRIVEWAYS, PEDESTRIAN/CYCLEWAYS AND AT REAR OF ALL KERBS.

EROSION CONTROL:-
ALL SILT CONTROL MEASURES SHALL BE PLACED PRIOR TO COMMENCEMENT OF EARTHWORKS. SUCH MEASURES SHALL BE SUBJECT TO FURTHER ADDITIONS OR ALTERATIONS, WHERE CONSIDERED NECESSARY, AS DIRECTED BY THE PROJECT MANAGER OR COUNCIL, DURING THE PROGRESSION OF WORKS. ALL FINAL EROSION PREVENTION MEASURES INCLUDING ESTABLISHMENT OF GRASS SHALL BE COMPLETED PRIOR TO THE "FINAL" INSPECTION.

SUBSOIL DRAINAGE:-
SUBSOIL DRAINS SHALL BE PROVIDED AS SHOWN ON THE PLANS. ADDITIONAL DRAINS SHALL BE PROVIDED WHERE CONSIDERED NECESSARY, BY COUNCIL OR A GEOTECHNICAL ENGINEER.

MATERIALS & TESTING:-
ALL MATERIALS AND PRODUCTS FOR INSTALLATION AND CONSTRUCTION SHALL COMPLY WITH AUSTRALIAN STANDARDS. MONITORING TESTING ("STRING/HITCHLINE" AND "ROLL") WHERE SPECIFIED BY COUNCIL'S MANUAL OF ENGINEERING STANDARDS, TO BE PERFORMED BY COUNCIL, SHALL BE ARRANGED 24 HOURS IN ADVANCE. WHERE A COUNCIL OFFICER IS NOT AVAILABLE, A GEOTECHNICAL ENGINEER MAY PERFORM SUCH TESTS.



LOCALITY SKETCH

NOT TO SCALE



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REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT		PROPERTY DESCRIPTION		PROJECT					
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398		CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR		WYNDELLA ROAD LOCHINVAR PLAN TITLE TITLE SHEET, DRAWING INDEX, GENERAL NOTES & LOCALITY PLAN					
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.				SURVEYED ADW Johnson		DATUM GDA94 M.G.A. ZONE 56 A.H.D.		PROJECT No. 240332	DISCIPLINE CENG	NUMBER 001	REV. B

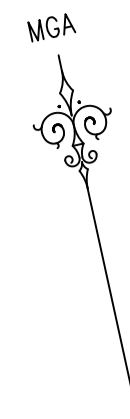
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240332-CENG-002(B)

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LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- LIMIT OF CONSTRUCTION
- PROPOSED KERB
- EXTENT OF BATTER
- EXISTING WATERCOURSE



SHEET 101

SHEET 102

SHEET 103

SHEET 104

SHEET 105

SHEET 106

ST JOSEPH'S COLLEGE

ENGLAND

HIGHWAY

WYNDELLA ROAD

PLAN

SCALE 1:2000

REV.	DATE	AMENDMENT
A	22.03.2023	INITIAL ISSUE
B	21.04.2023	MINOR AMENDMENTS

DRAWN	CHECK	DESIGN	VERIFY
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D.N.	M.K.	C.L.	M.L.

SCALES
0 50 100 A1 / A3 1:2000 / 1:4000

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ABN 62 129 445 398

CLIENT

CPG ESTATES

PROPERTY DESCRIPTION

CONCEPT ENGINEERING PLANS FOR
PROPOSED SUBDIVISION
LOT 2, 3, 4, 5, 6 & 9 DP747391
& LOT 12 & 13 DP1219648
WYNDELLA ROAD, LOCHINVAR

PROJECT	PLAN TITLE
WYNDELLA ROAD LOCHINVAR	OVERALL SITE PLAN
SURVEYED ADW Johnson	DATUM GDA94 M.G.A. ZONE 56 A.H.D.
PROJECT No. 240332	DISCIPLINE - CENG -
NUMBER 002	REV. B



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240332-CENG-101(B)



LEGEND

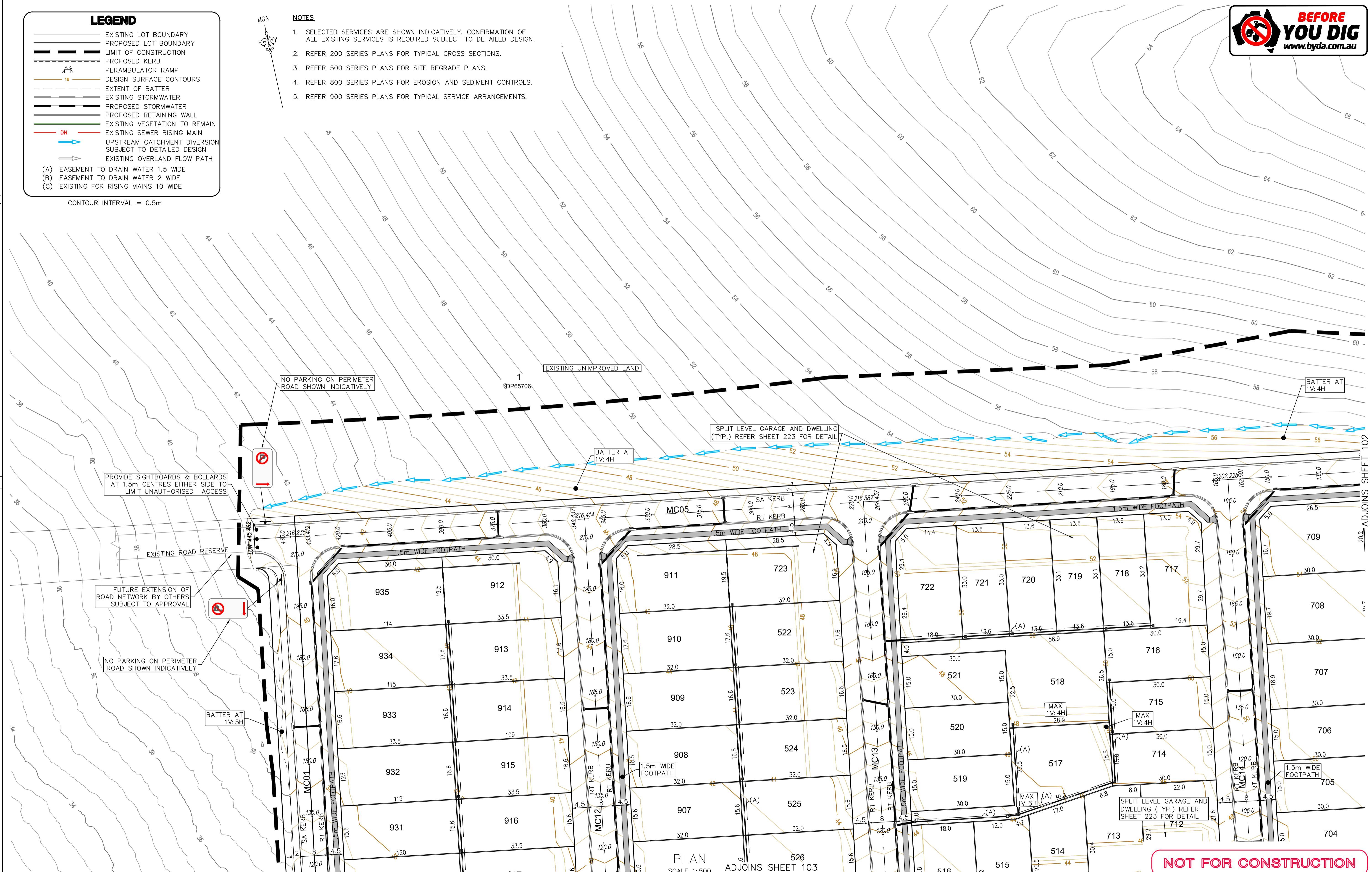
- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- LIMIT OF CONSTRUCTION
- PROPOSED KERB
- PERAMBULATOR RAMP
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- EXISTING STORMWATER
- PROPOSED STORMWATER
- PROPOSED RETAINING WALL
- EXISTING VEGETATION TO REMAIN
- EXISTING SEWER RISING MAIN
- UPSTREAM CATCHMENT DIVERSION SUBJECT TO DETAILED DESIGN
- EXISTING OVERLAND FLOW PATH
- (A) EASEMENT TO DRAIN WATER 1.5 WIDE
- (B) EASEMENT TO DRAIN WATER 2 WIDE
- (C) EXISTING FOR RISING MAINS 10 WIDE

CONTOUR INTERVAL = 0.5m

MGA

NOTES

1. SELECTED SERVICES ARE SHOWN INDICATIVELY. CONFIRMATION OF ALL EXISTING SERVICES IS REQUIRED SUBJECT TO DETAILED DESIGN.
2. REFER 200 SERIES PLANS FOR TYPICAL CROSS SECTIONS.
3. REFER 500 SERIES PLANS FOR SITE REGRADE PLANS.
4. REFER 800 SERIES PLANS FOR EROSION AND SEDIMENT CONTROLS.
5. REFER 900 SERIES PLANS FOR TYPICAL SERVICE ARRANGEMENTS.



PLAN SCALE 1:500 ADJOINS SHEET 103

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B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.	

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PROJECT

WYNDELLA ROAD LOCHINVAR

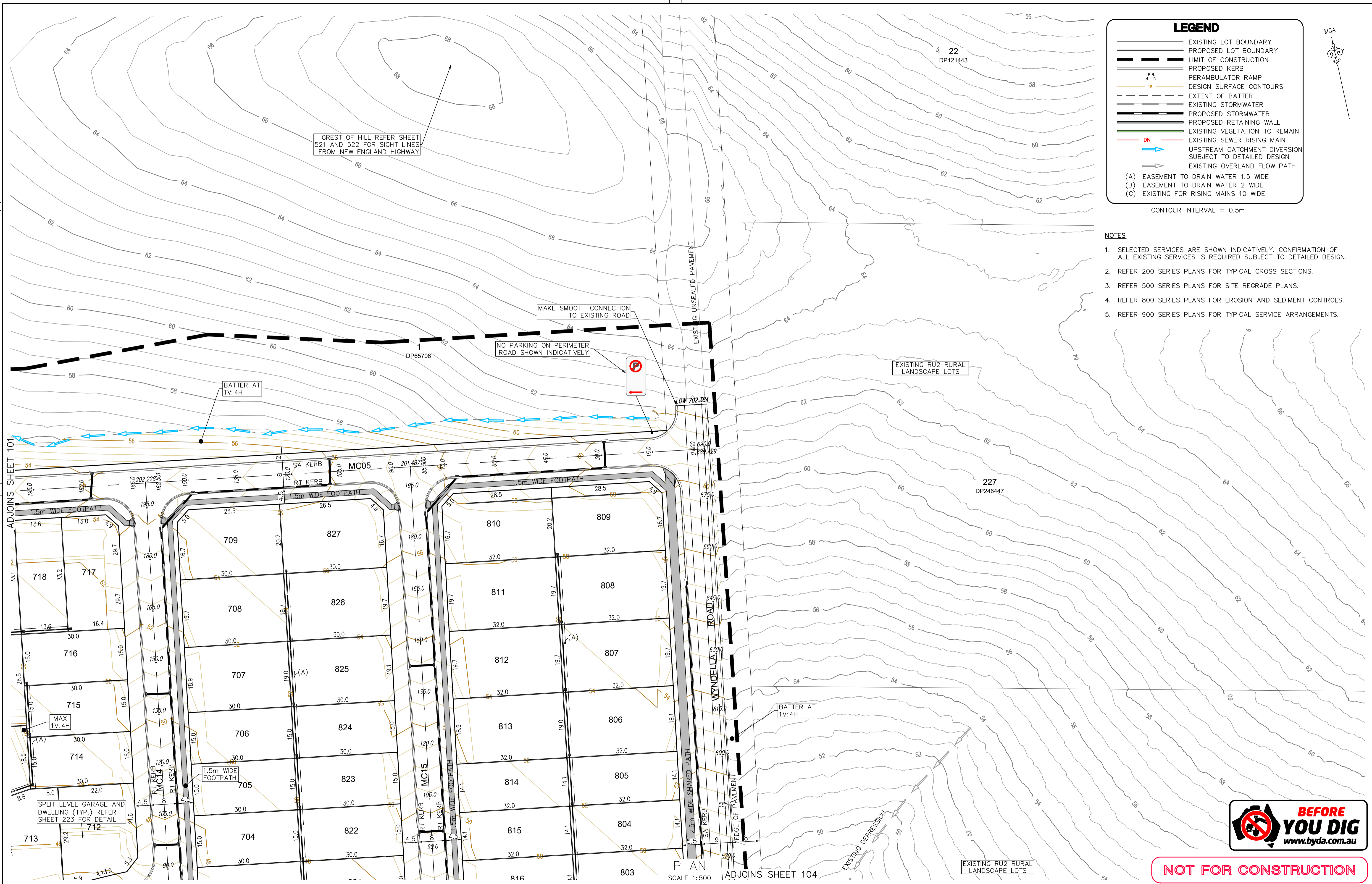
PLAN TITLE

DETAIL PLAN: SHEET 1

SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG	101	B

240332-CENG-102(B)

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LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- LIMIT OF CONSTRUCTION
- PROPOSED KERB
- PERAMBULATOR RAMP
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- EXISTING STORMWATER
- PROPOSED STORMWATER
- PROPOSED RETAINING WALL
- EXISTING VEGETATION TO REMAIN
- EXISTING SEWER RISING MAIN
- UPSTREAM CATCHMENT DIVERSION SUBJECT TO DETAILED DESIGN
- EXISTING OVERLAND FLOW PATH

(A) EASEMENT TO DRAIN WATER 1.5 WIDE
 (B) EASEMENT TO DRAIN WATER 2 WIDE
 (C) EXISTING FOR RISING MAINS 10 WIDE

CONTOUR INTERVAL = 0.5m

- NOTES**
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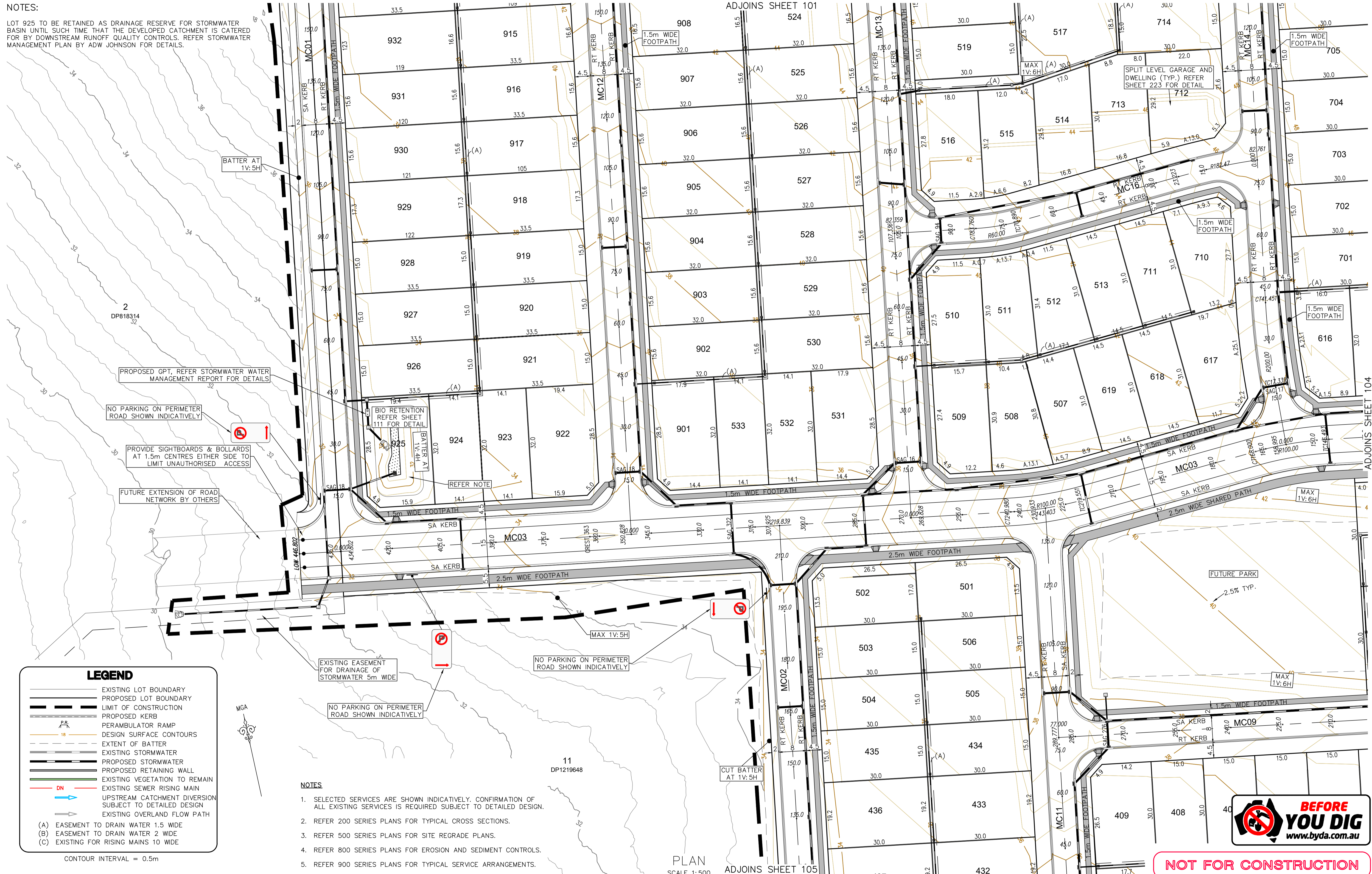
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A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	A1 / A3						SURVEYED	DATUM	PROJECT No.
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.	1:500 / 1:1000	ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG	102	B		

NOTES:

LOT 925 TO BE RETAINED AS DRAINAGE RESERVE FOR STORMWATER BASIN UNTIL SUCH TIME THAT THE DEVELOPED CATCHMENT IS CATERED FOR BY DOWNSTREAM RUNOFF QUALITY CONTROLS. REFER STORMWATER MANAGEMENT PLAN BY ADW JOHNSON FOR DETAILS.

240332-CENG-103(B)



PROPOSED GPT, REFER STORMWATER WATER MANAGEMENT REPORT FOR DETAILS

NO PARKING ON PERIMETER ROAD SHOWN INDICATIVELY

PROVIDE SIGHTBOARDS & BOLLARDS AT 1.5m CENTRES EITHER SIDE TO LIMIT UNAUTHORISED ACCESS

FUTURE EXTENSION OF ROAD NETWORK BY OTHERS

EXISTING EASEMENT FOR DRAINAGE OF STORMWATER 5m WIDE

NO PARKING ON PERIMETER ROAD SHOWN INDICATIVELY

NO PARKING ON PERIMETER ROAD SHOWN INDICATIVELY

PLAN SCALE 1:500

ADJOINS SHEET 105

LEGEND

- EXISTING LOT BOUNDARY
 - - - PROPOSED LOT BOUNDARY
 - LIMIT OF CONSTRUCTION
 - PROPOSED KERB
 - PR PERAMBULATOR RAMP
 - 18 — DESIGN SURFACE CONTOURS
 - - - EXTENT OF BATTER
 - EXISTING STORMWATER
 - PROPOSED STORMWATER
 - PROPOSED RETAINING WALL
 - EXISTING VEGETATION TO REMAIN
 - EXISTING SEWER RISING MAIN
 - UPSTREAM CATCHMENT DIVERSION SUBJECT TO DETAILED DESIGN
 - EXISTING OVERLAND FLOW PATH
- (A) EASEMENT TO DRAIN WATER 1.5 WIDE
 (B) EASEMENT TO DRAIN WATER 2 WIDE
 (C) EXISTING FOR RISING MAINS 10 WIDE
- CONTOUR INTERVAL = 0.5m

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 LOT 2, 3, 4, 5, 6 & 9 DP747391
 & LOT 12 & 13 DP1219648
 WYNDELLA ROAD, LOCHINVAR

PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
WYNDELLA ROAD LOCHINVAR	DETAIL PLAN: SHEET 3	240332	CENG	103	B

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240332-CENG-104(B)

ADJOINS SHEET 103

ADJOINS SHEET 102

ADJOINS SHEET 105

PLAN
SCALE 1:500

LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
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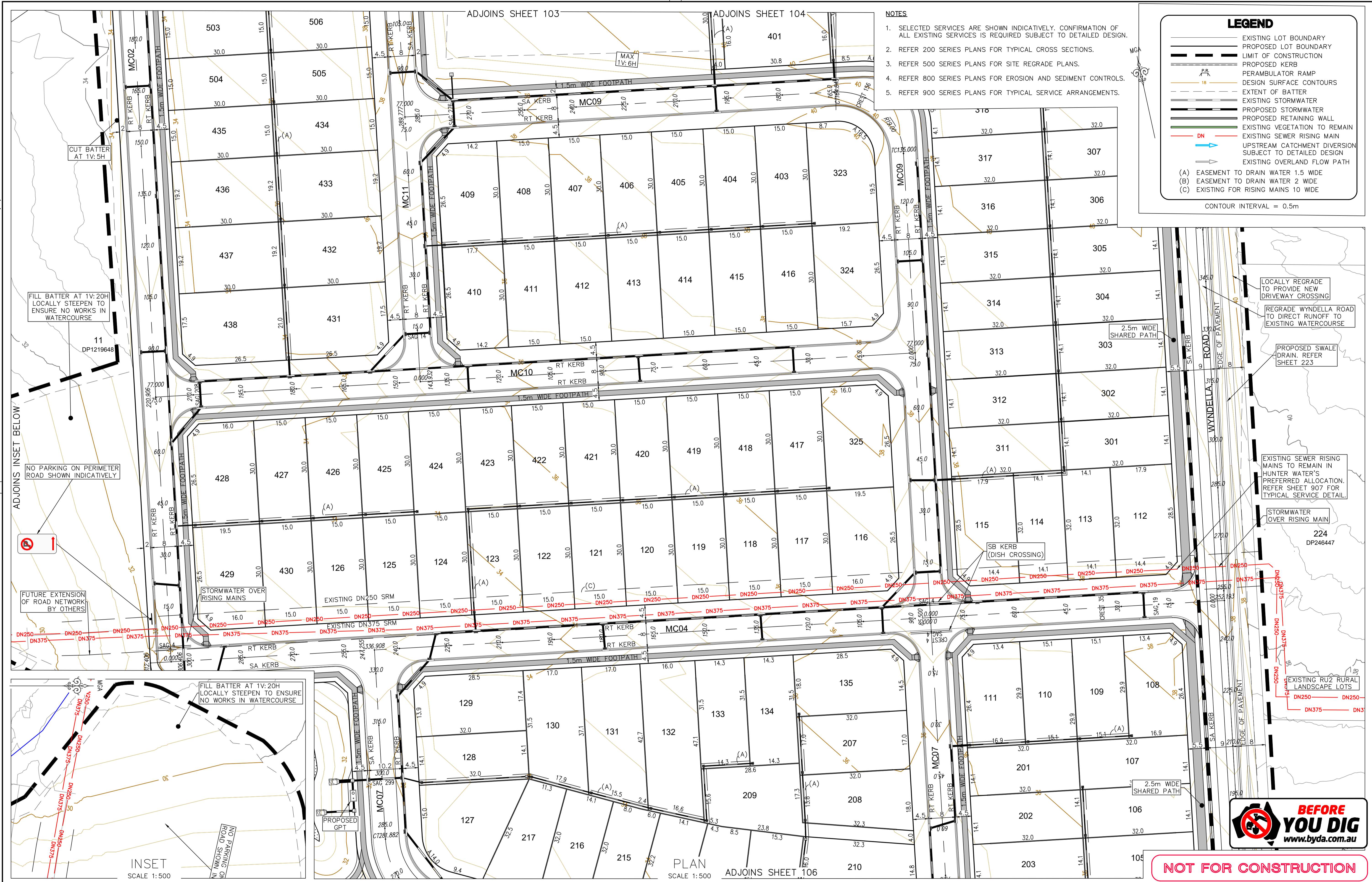
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DESIGN FILE N:\240332\Design\12D\			SURVEYED ADW Johnson		PLAN TITLE
Plotted By: jersonf Plot Date: 21/04/23 - 14:50			DATUM GDA94 M.G.A. ZONE 56 A.H.D.		DETAIL PLAN: SHEET 4
Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-104(B).dwg			PROJECT No. 240332		DISCIPLINE CENG
			NUMBER 104		REV. B

240332-CENG-105(B)



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LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- LIMIT OF CONSTRUCTION
- PROPOSED KERB
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- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- EXISTING STORMWATER
- PROPOSED STORMWATER
- PROPOSED RETAINING WALL
- EXISTING VEGETATION TO REMAIN
- EXISTING SEWER RISING MAIN
- UPSTREAM CATCHMENT DIVERSION SUBJECT TO DETAILED DESIGN
- EXISTING OVERLAND FLOW PATH

(A) EASEMENT TO DRAIN WATER 1.5 WIDE
 (B) EASEMENT TO DRAIN WATER 2 WIDE
 (C) EXISTING FOR RISING MAINS 10 WIDE

CONTOUR INTERVAL = 0.5m

ADJOINS INSET BELOW

NO PARKING ON PERIMETER ROAD SHOWN INDICATIVELY

FUTURE EXTENSION OF ROAD NETWORK BY OTHERS

FILL BATTER AT 1V:20H LOCALLY STEEPEN TO ENSURE NO WORKS IN WATERCOURSE



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DRAWN	CHECK	DESIGN	VERIFY	SCALES
D.N.	M.K.	C.L.	M.L.	0 10 20 A1 / A3
D.N.	M.K.	C.L.	M.L.	1:500 / 1:1000

adw Johnson

Hunter Office
 Unit 7/335 Hillsborough Rd
 Warners Bay N.S.W. 2282
 Phone: (02) 4978 5100
 Fax: (02) 4978 5199
 email: hunter@adwjohanson.com.au
 www.adwjohanson.com.au
 ABN 62 129 445 398

CPG ESTATES

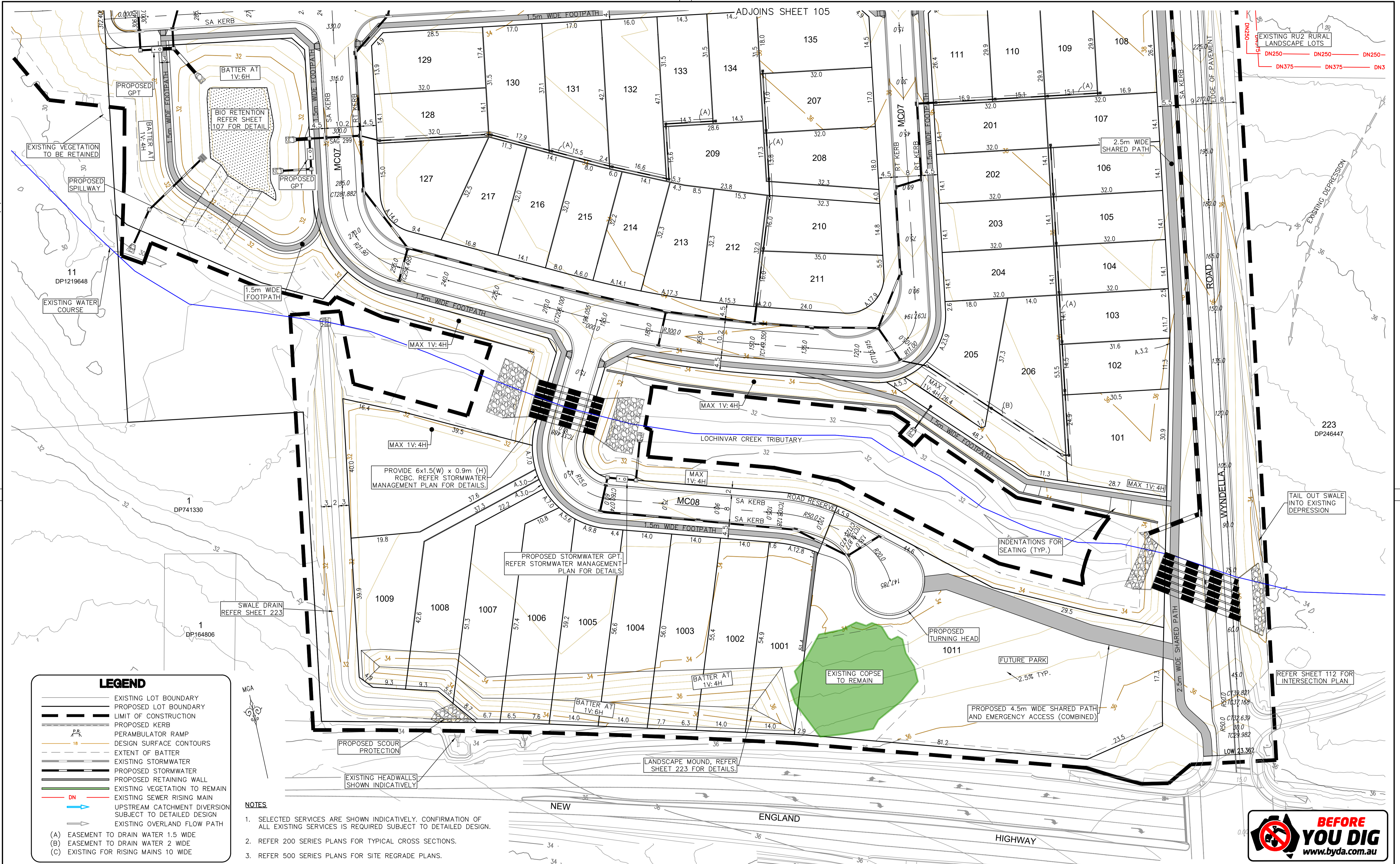
CLIENT

PROPERTY DESCRIPTION
CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR

PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
WYNDELLA ROAD LOCHINVAR	DETAIL PLAN: SHEET 5	240332	CENG	105	B

240332-CENG-106(B)

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.



LEGEND

- EXISTING LOT BOUNDARY
- - - PROPOSED LOT BOUNDARY
- - - LIMIT OF CONSTRUCTION
- - - PROPOSED KERB
- - - PERAMBULATOR RAMP
- - - DESIGN SURFACE CONTOURS
- - - EXTENT OF BATTER
- - - EXISTING STORMWATER
- - - PROPOSED STORMWATER
- - - PROPOSED RETAINING WALL
- - - EXISTING VEGETATION TO REMAIN
- - - EXISTING SEWER RISING MAIN
- - - UPSTREAM CATCHMENT DIVERSION SUBJECT TO DETAILED DESIGN
- - - EXISTING OVERLAND FLOW PATH

(A) EASEMENT TO DRAIN WATER 1.5 WIDE
(B) EASEMENT TO DRAIN WATER 2 WIDE
(C) EXISTING FOR RISING MAINS 10 WIDE

CONTOUR INTERVAL = 0.5m

- NOTES**
1. SELECTED SERVICES ARE SHOWN INDICATIVELY. CONFIRMATION OF ALL EXISTING SERVICES IS REQUIRED SUBJECT TO DETAILED DESIGN.
 2. REFER 200 SERIES PLANS FOR TYPICAL CROSS SECTIONS.
 3. REFER 500 SERIES PLANS FOR SITE REGRADE PLANS.
 4. REFER 800 SERIES PLANS FOR EROSION AND SEDIMENT CONTROLS.
 5. REFER 900 SERIES PLANS FOR TYPICAL SERVICE ARRANGEMENTS.

REV.	DATE	AMENDMENT
A	22.03.2023	INITIAL ISSUE
B	21.04.2023	MINOR AMENDMENTS

DRAWN	CHECK	DESIGN	VERIFY
D.N.	M.K.	C.L.	M.L.
D.N.	M.K.	C.L.	M.L.

SCALES	
0	10 20 A1 / A3
	1:500 / 1:1000

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CPG ESTATES

CLIENT

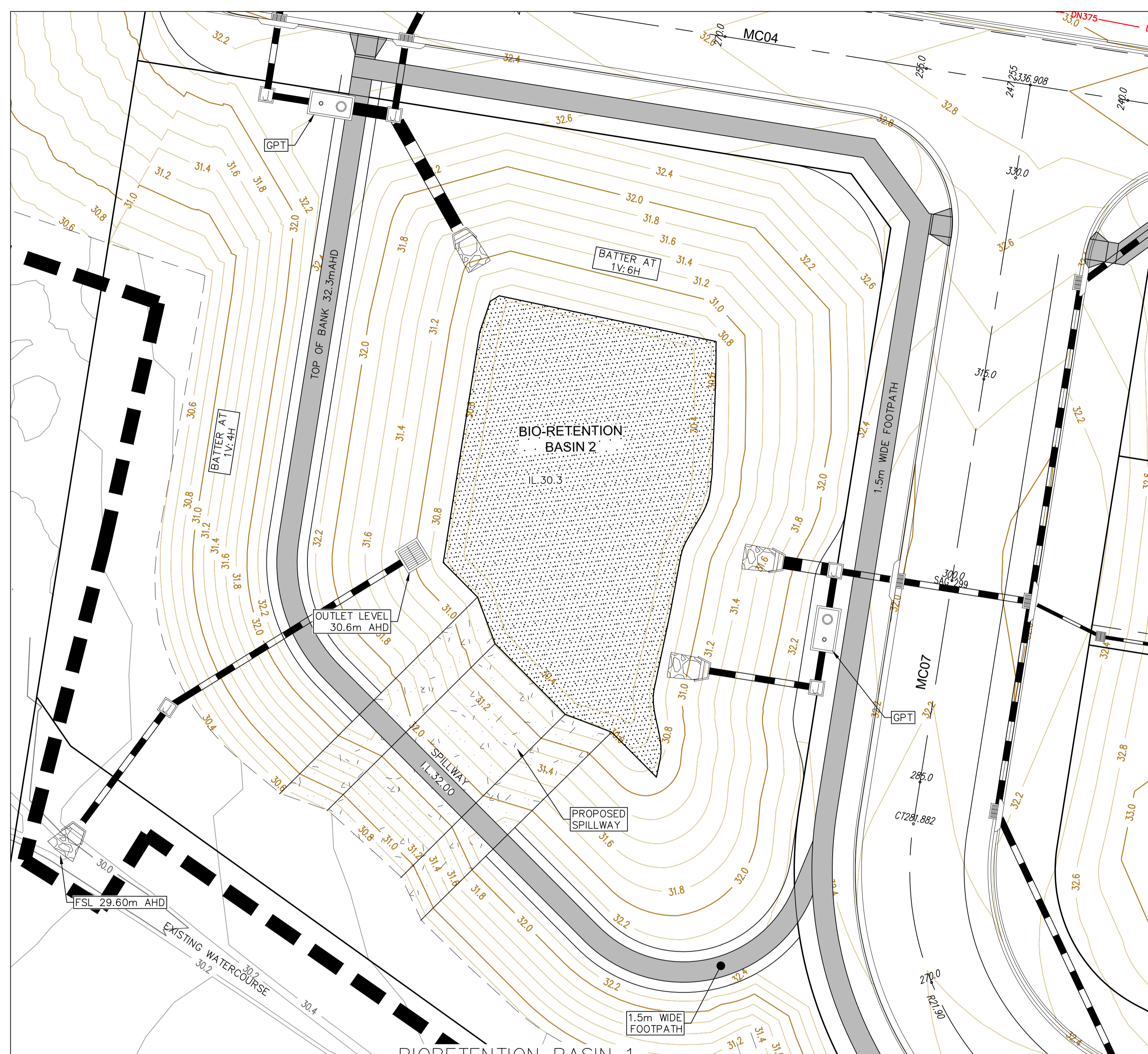
PROPERTY DESCRIPTION
CONCEPT ENGINEERING PLANS FOR
PROPOSED SUBDIVISION
LOT 2, 3, 4, 5, 6 & 9 DP747391
& LOT 12 & 13 DP1219648
WYNDELLA ROAD, LOCHINVAR

PROJECT		PLAN TITLE	
WYNDELLA ROAD LOCHINVAR		DETAIL PLAN: SHEET 6	
PROJECT No.	DISCIPLINE	NUMBER	REV.
240332	CENG	106	B

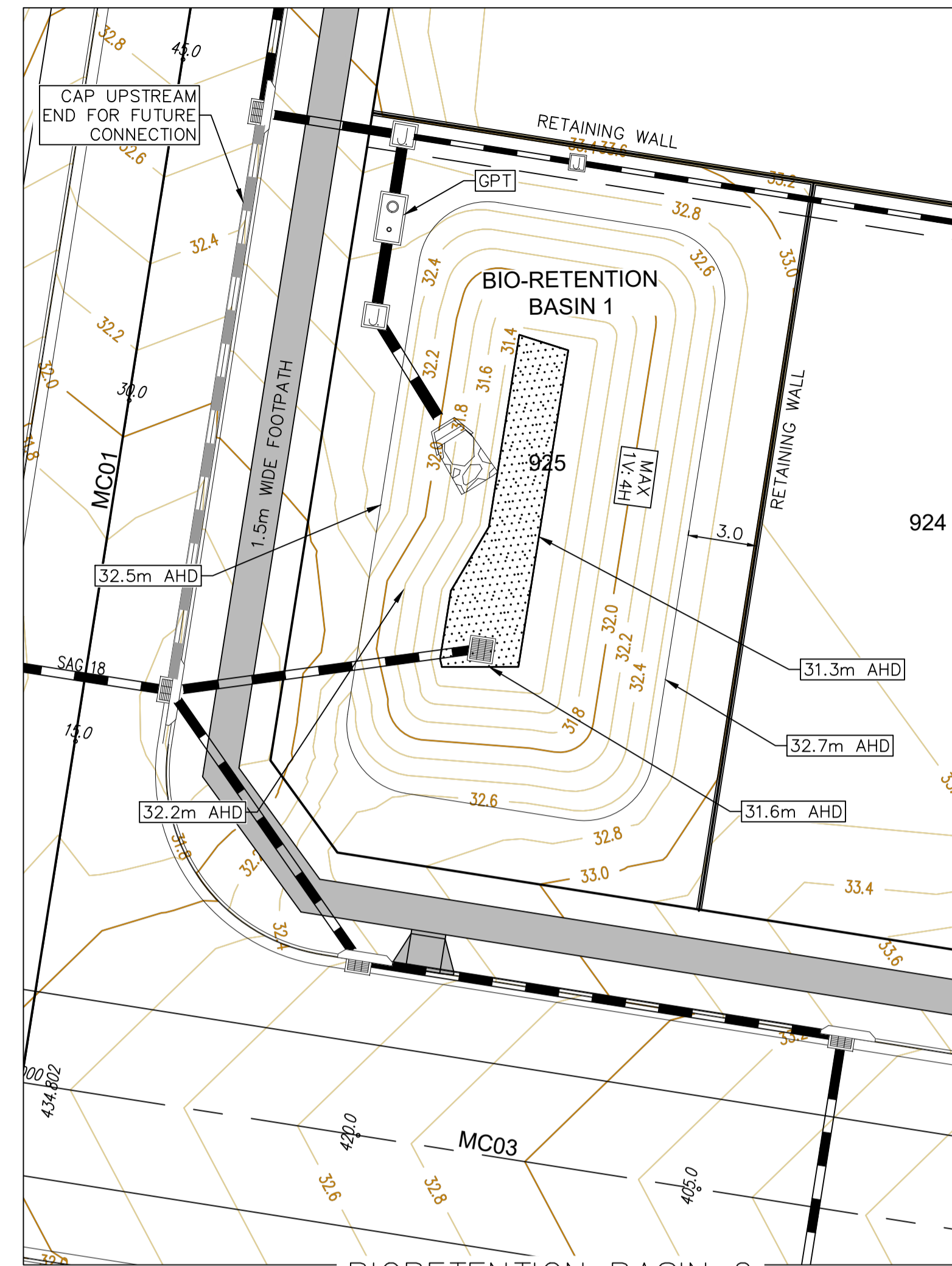


NOT FOR CONSTRUCTION

240332-CENG-111(B)



BIORETENTION BASIN 1
SCALE 1:200

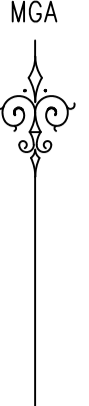


BIORETENTION BASIN 2
SCALE 1:200

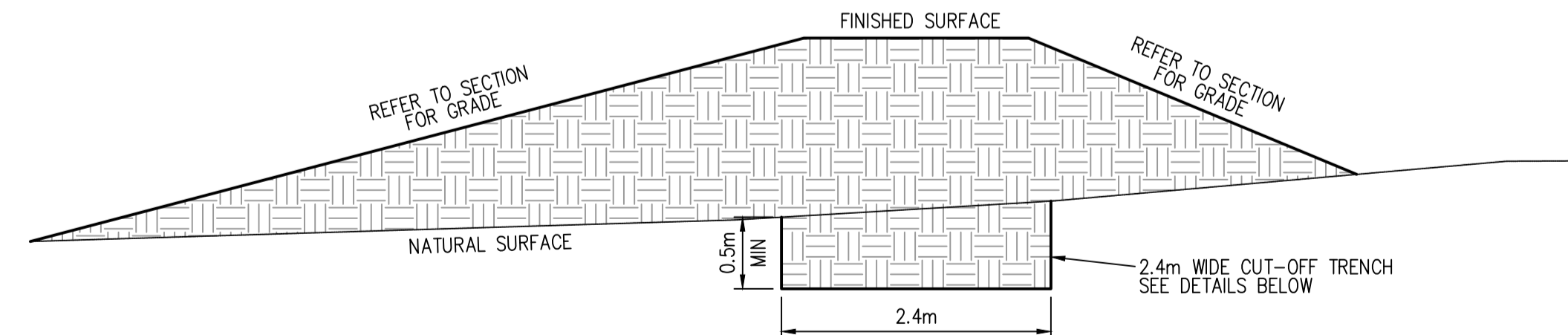
LEGEND

- EXISTING LOT BOUNDARY
- - - PROPOSED LOT BOUNDARY
- - - LIMIT OF CONSTRUCTION
- - - PROPOSED KERB
- - - DESIGN SURFACE CONTOURS
- - - EXTENT OF BATTER
- - - PROPOSED STORMWATER
- - - PROPOSED BIORETENTION MEDIA

CONTOUR INTERVAL = 0.2m



NOTE
REFER STORMWATER MANAGEMENT PLAN BY
ADW JOHNSON FOR BIORETENTION DETAILS



TYPICAL SECTION BASIN WALL

N.T.S.
SUBJECT TO DETAILED DESIGN BY GEOTECHNICAL ENGINEER



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.	

adw Johnson

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CLIENT

CPG ESTATES

PROPERTY DESCRIPTION
CONCEPT ENGINEERING PLANS FOR
PROPOSED SUBDIVISION
LOT 2, 3, 4, 5, 6 & 9 DP747391
& LOT 12 & 13 DP1219648
WYNDELLA ROAD, LOCHINVAR

PROJECT		PLAN TITLE	
WYNDELLA ROAD LOCHINVAR		BASIN DETAIL PLANS	
SURVEYED	DATUM	PROJECT No.	DISCIPLINE
ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG
NUMBER	REV.		
111	B		

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

240332-CENG-112(B)

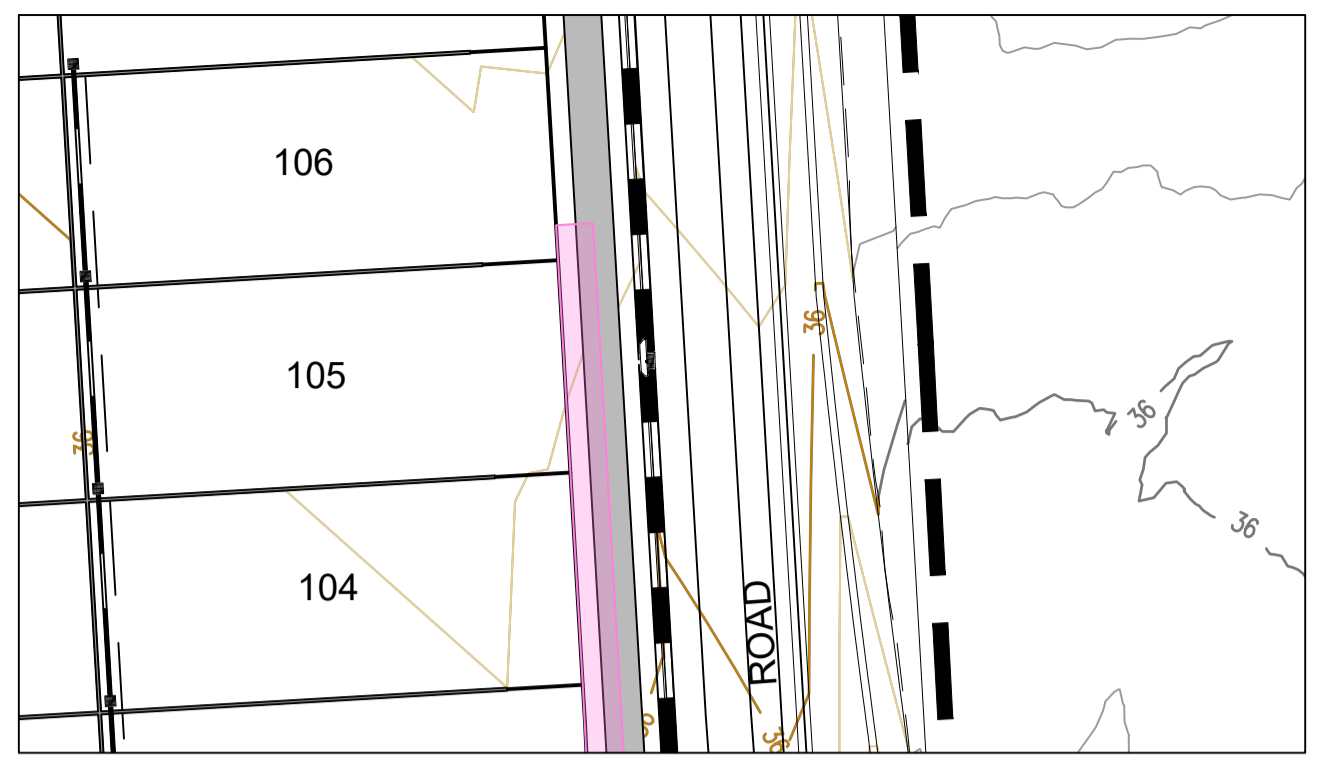
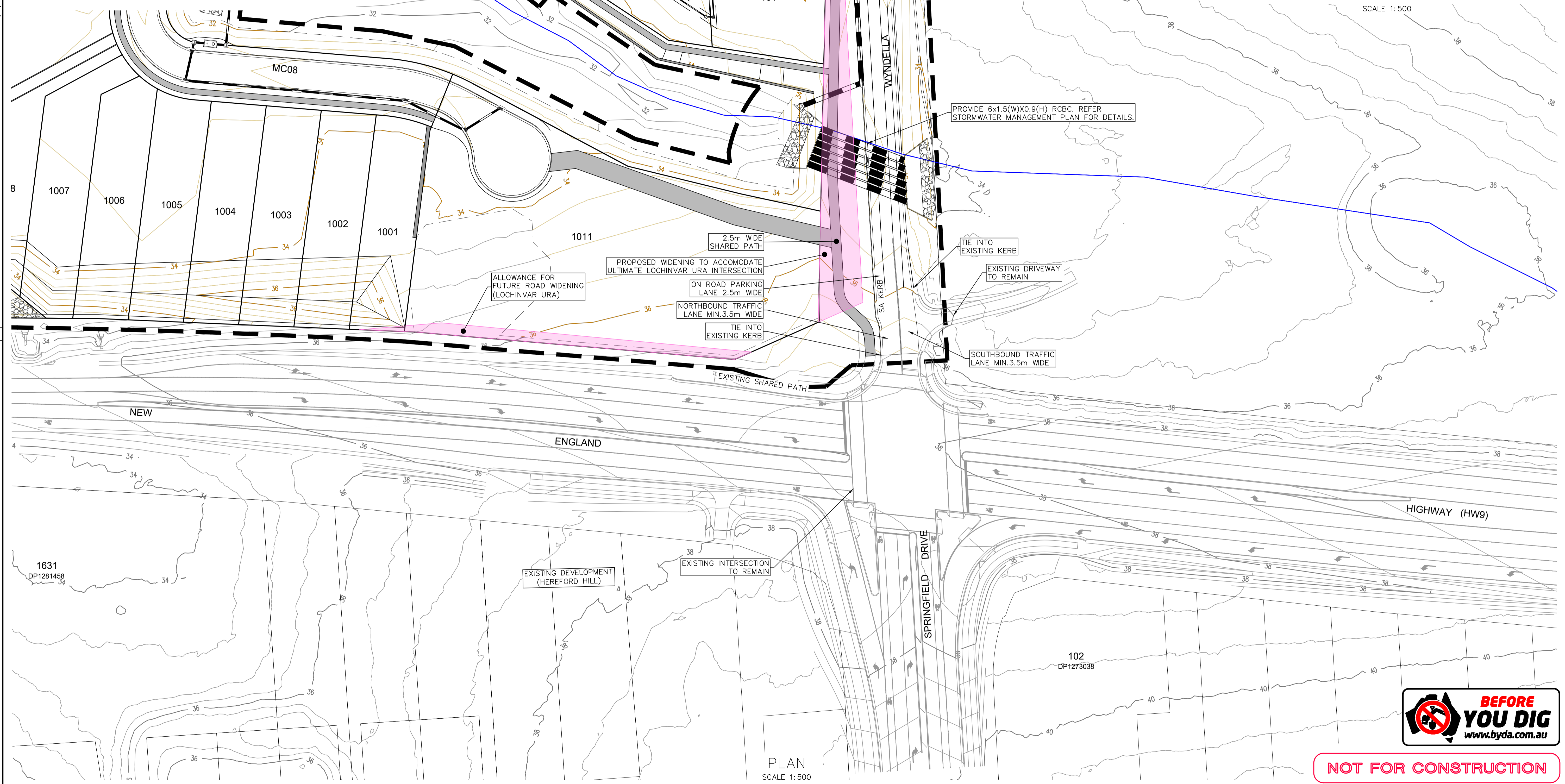
LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- LIMIT OF CONSTRUCTION
- PROPOSED KERB
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- EXISTING STORMWATER
- PROPOSED STORMWATER
- PROPOSED RETAINING WALL
- ROAD DEDICATION AREA-LOCHINVAR URA INTERSECTION (1,111m²)



CONTOUR INTERVAL = 0.5m

- NOTES**
- REFER TRAFFIC IMPACT ASSESSMENT "SCT-00390 FOR INTERSECTION DETAILS.
 - REFER SHEET 911 FOR VEHICLES TURNING MOVEMENTS.



INSET
SCALE 1:500

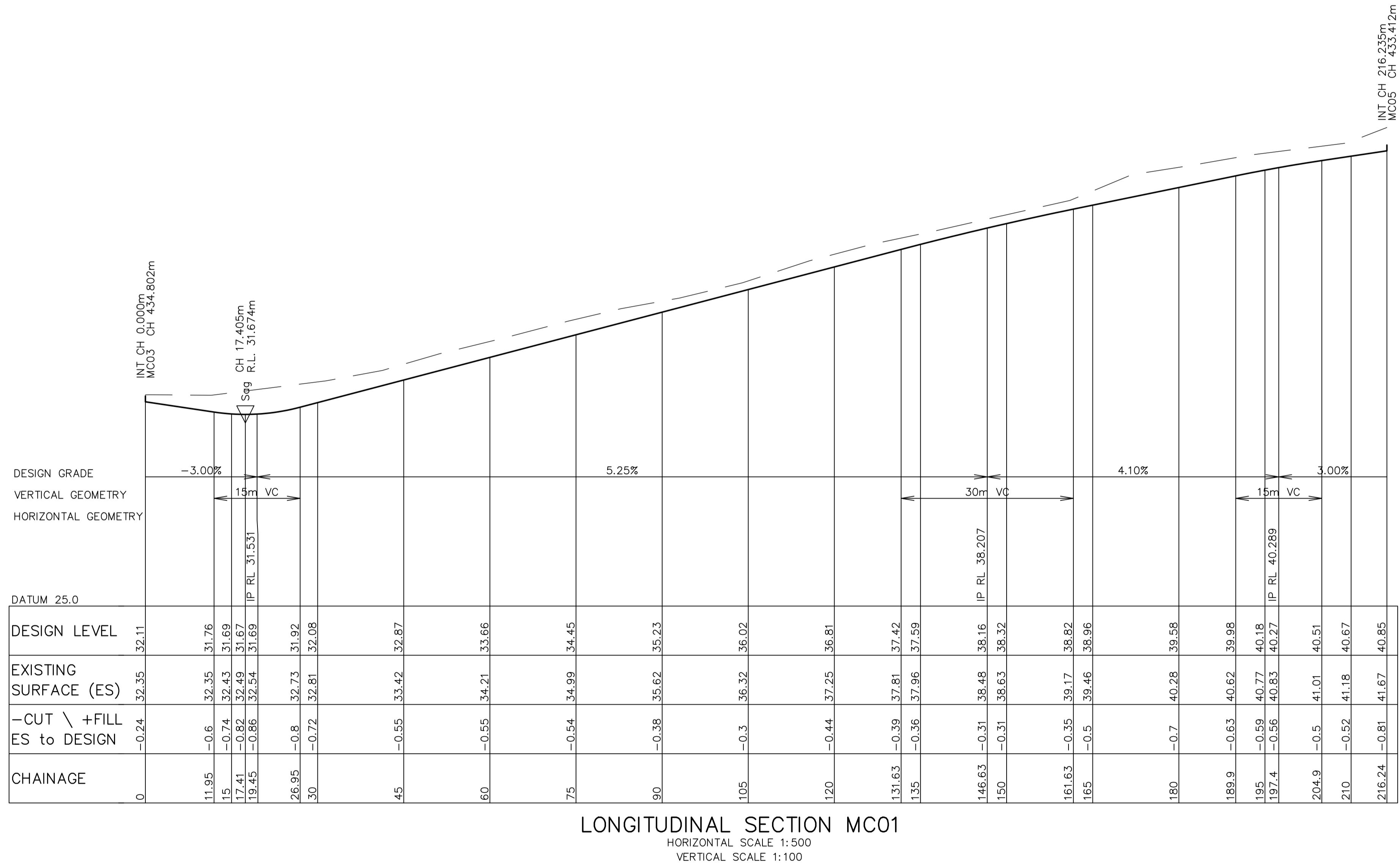
PLAN
SCALE 1:500



NOT FOR CONSTRUCTION

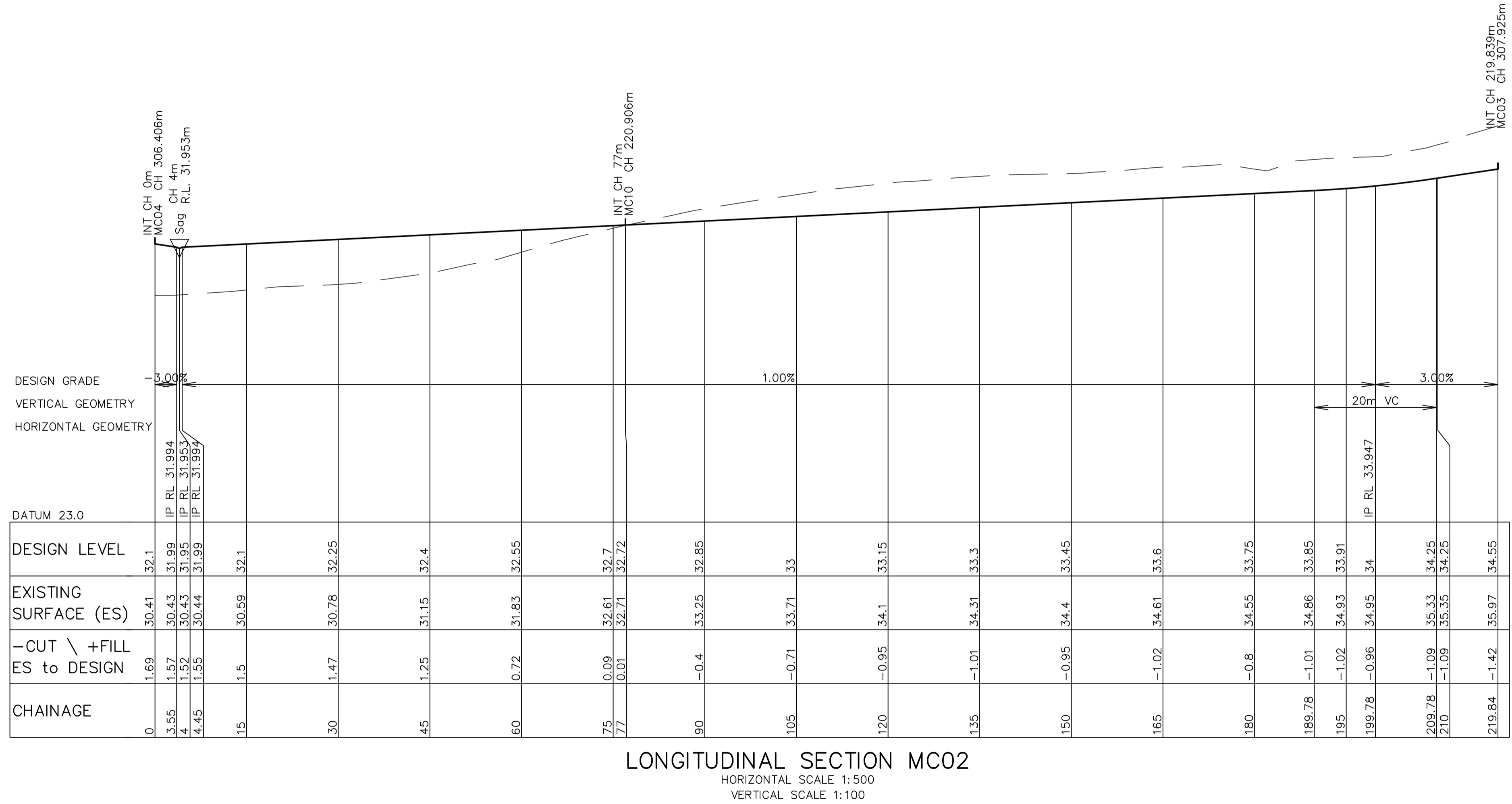
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REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES																																							
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.																																								
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ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG	112	B																																									

100mm AT FULL SIZE
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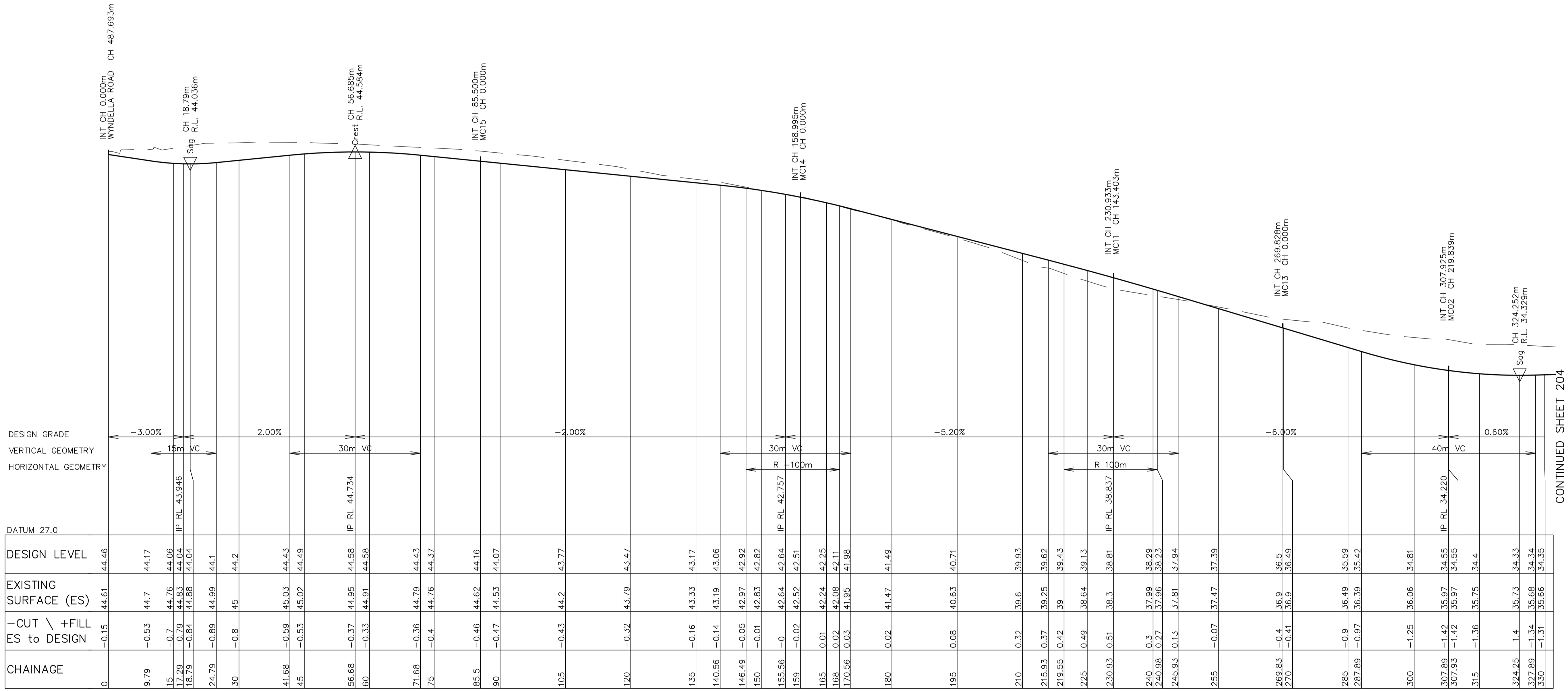
NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT	CPG ESTATES 	PROPERTY DESCRIPTION CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	PROJECT WYNDELLA ROAD LOCHINVAR PLAN TITLE ROAD LONGITUDINAL SECTION: MC01	
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	VERT 0 2 4 A1 / A3 1:100 / 1:200 HORIZ 0 10 20 A1 / A3 1:500 / 1:1000							
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.								



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REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		CLIENT CPG ESTATES	PROPERTY DESCRIPTION CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	PROJECT WYNDELLA ROAD LOCHINVAR
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	VERT 0 2 4 1:100 / 1:200 HORIZ 0 10 20 1:500 / 1:1000	Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398			
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.					
DESIGN FILE N:\240332\Design\12D\			ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE			SURVEYED ADW Johnson			DATUM GDA94 M.G.A. ZONE 56 A.H.D.		
Plotted By: jersonf Plot Date: 21/04/23 - 14:50 Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-202(B).dwg						PROJECT No. 240332			DISCIPLINE - CENG - NUMBER - 202 - REV. - B		



LONGITUDINAL SECTION MC03
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.

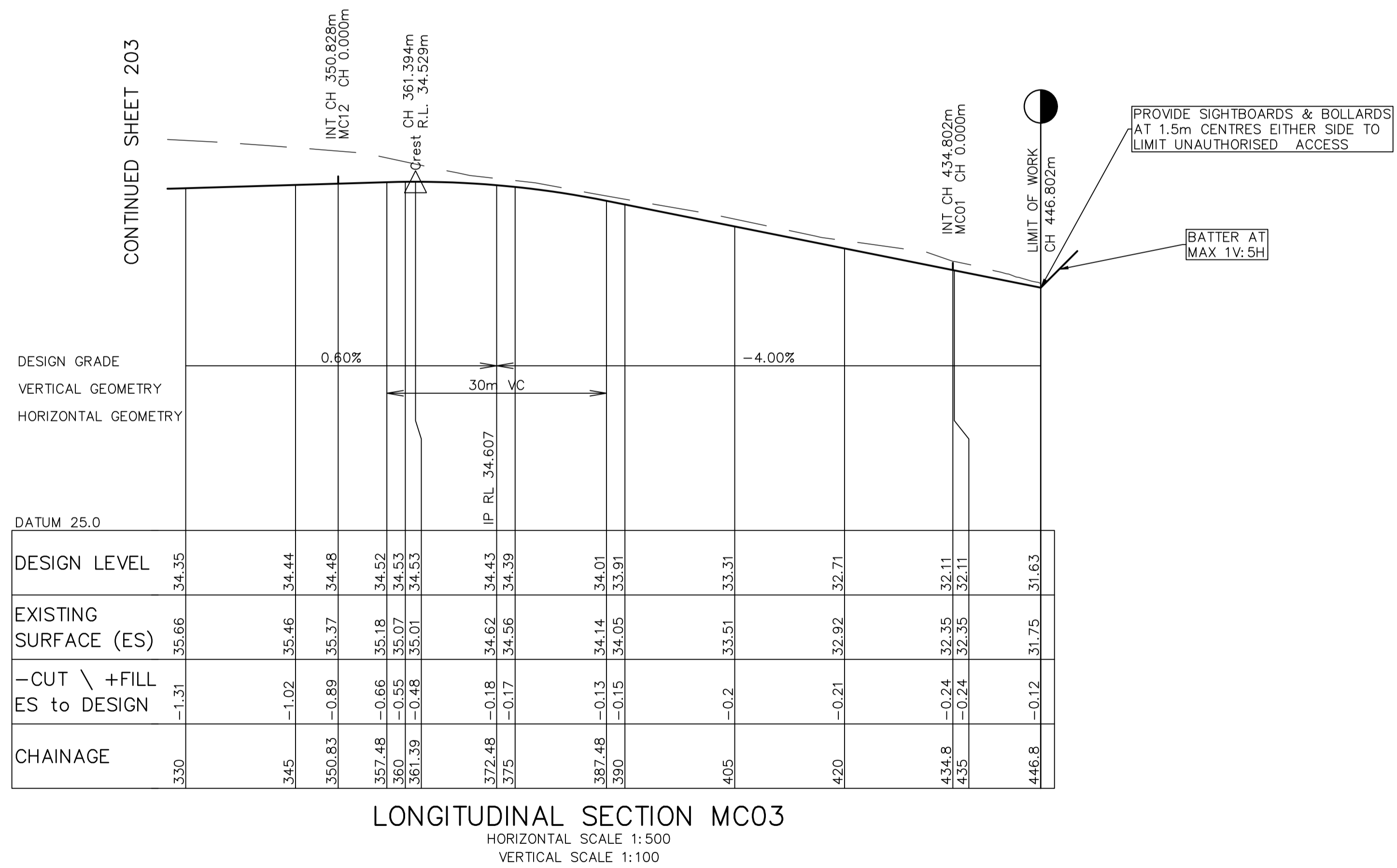
SCALE
VERT 0 2 4 A1 / A3 1:100 / 1:200
HORIZ 0 10 20 A1 / A3 1:500 / 1:1000

adw Johnson
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CLIENT
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PROPOSED SUBDIVISION
LOT 2, 3, 4, 5, 6 & 9 DP747391
& LOT 12 & 13 DP1219648
WYNDELLA ROAD, LOCHINVAR

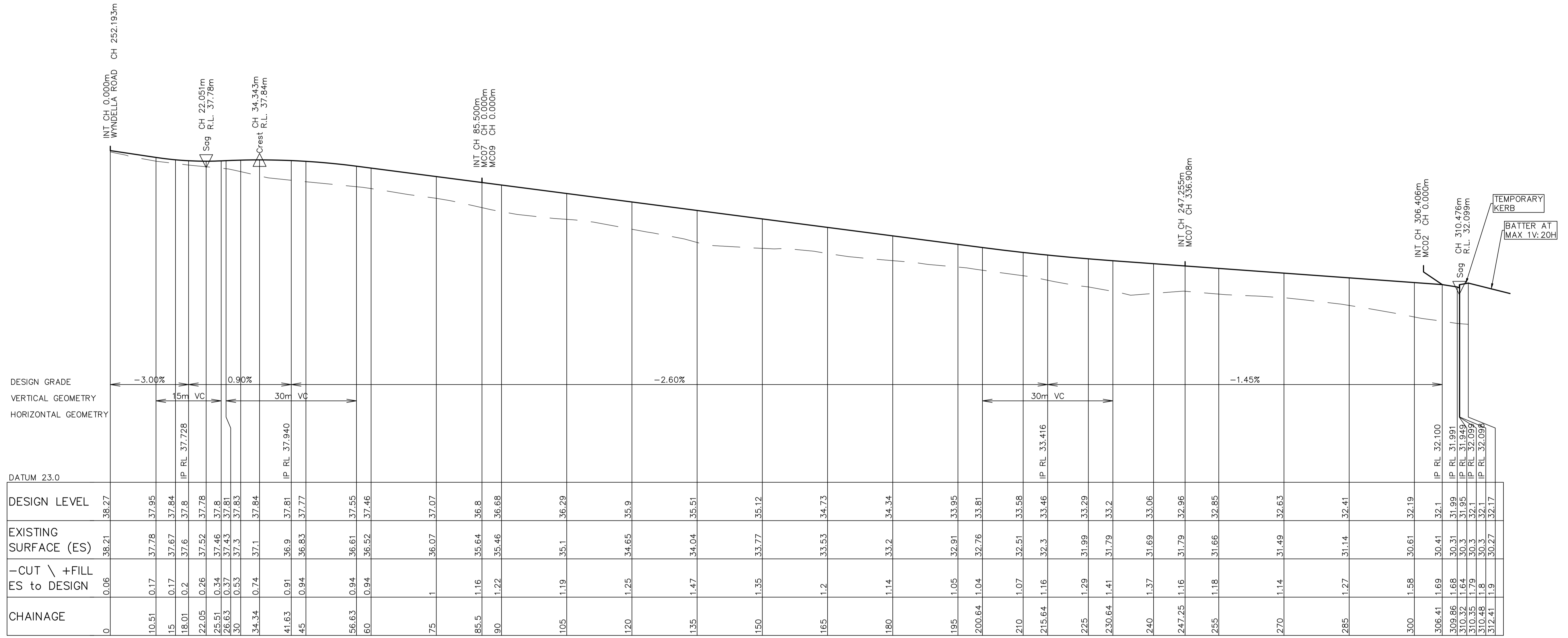
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WYNDELLA ROAD LOCHINVAR		ROAD LONGITUDINAL SECTION: MC03 SHEET 1	
SURVEYED	DATUM	PROJECT No.	DISCIPLINE
ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG
		NUMBER	REV.
		203	B



LONGITUDINAL SECTION MC03
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

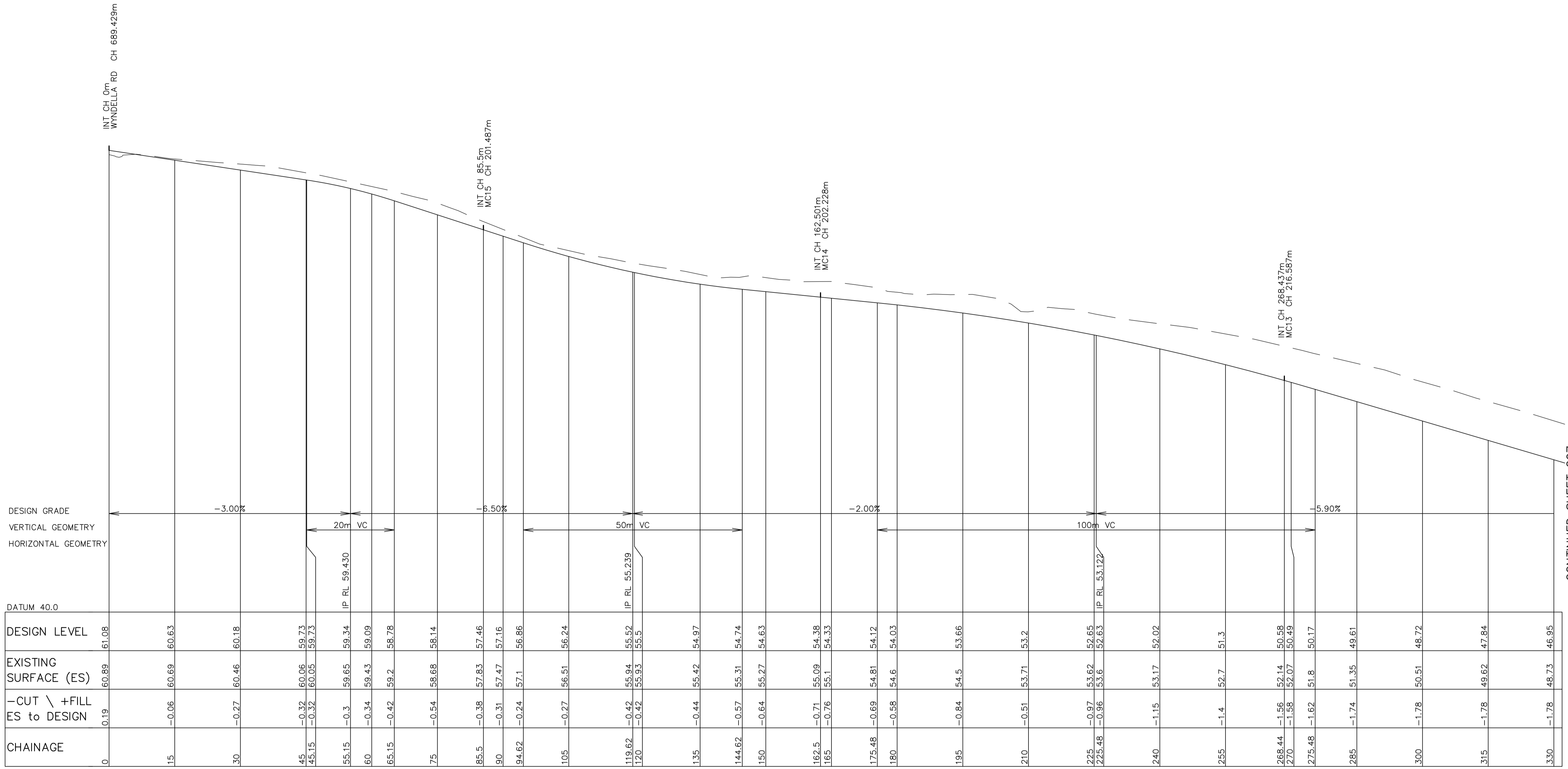
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A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	VERT 0 2 4 1:100 / 1:200 HORIZ 0 10 20 1:500 / 1:1000	Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CPG ESTATES	CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	WYNDELLA ROAD LOCHINVAR ROAD LONGITUDINAL SECTION: MC03 SHEET 2					
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.					SURVEYED ADW Johnson	DATUM GDA94 M.G.A. ZONE 56 A.H.D.	PROJECT No. 240332	DISCIPLINE CENG	NUMBER 204	REV. B



LONGITUDINAL SECTION MC04
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT 	PROPERTY DESCRIPTION		PROJECT			
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	VERT 0 2 4 A1 / A3 1:100 / 1:200 HORIZ 0 10 20 A1 / A3 1:500 / 1:1000				CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR		WYNDELLA ROAD LOCHINVAR			
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.					PLAN TITLE ROAD LONGITUDINAL SECTION: MC04		PROJECT No.	DISCIPLINE	NUMBER	REV.
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Plotted By: jersonf		Plot Date: 21/04/23 - 14:50		ADW Johnson		GDA94 M.G.A. ZONE 56 A.H.D.		240332		CENG		205		B		

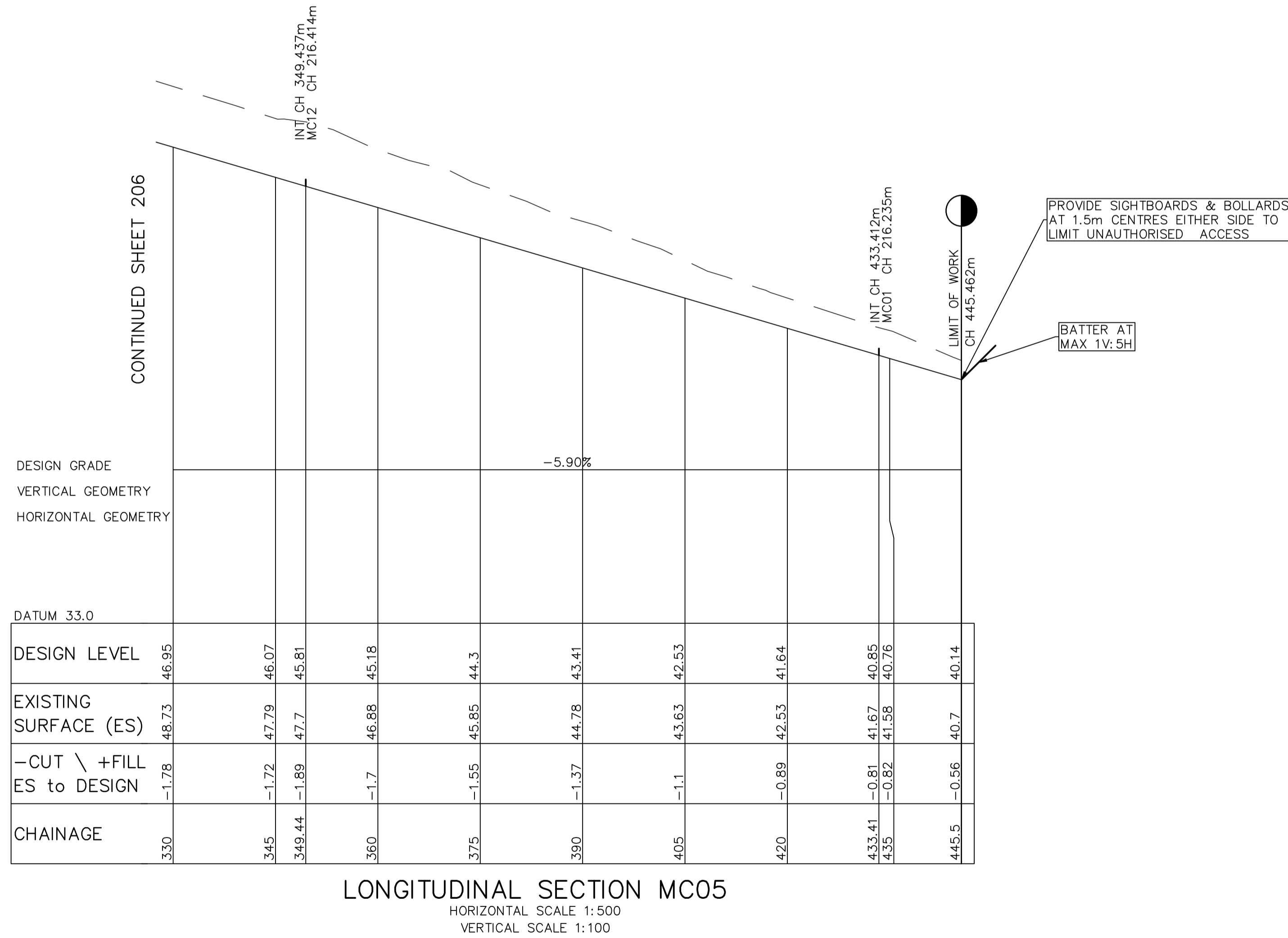


LONGITUDINAL SECTION MC05
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

CONTINUED SHEET 207

NOT FOR CONSTRUCTION

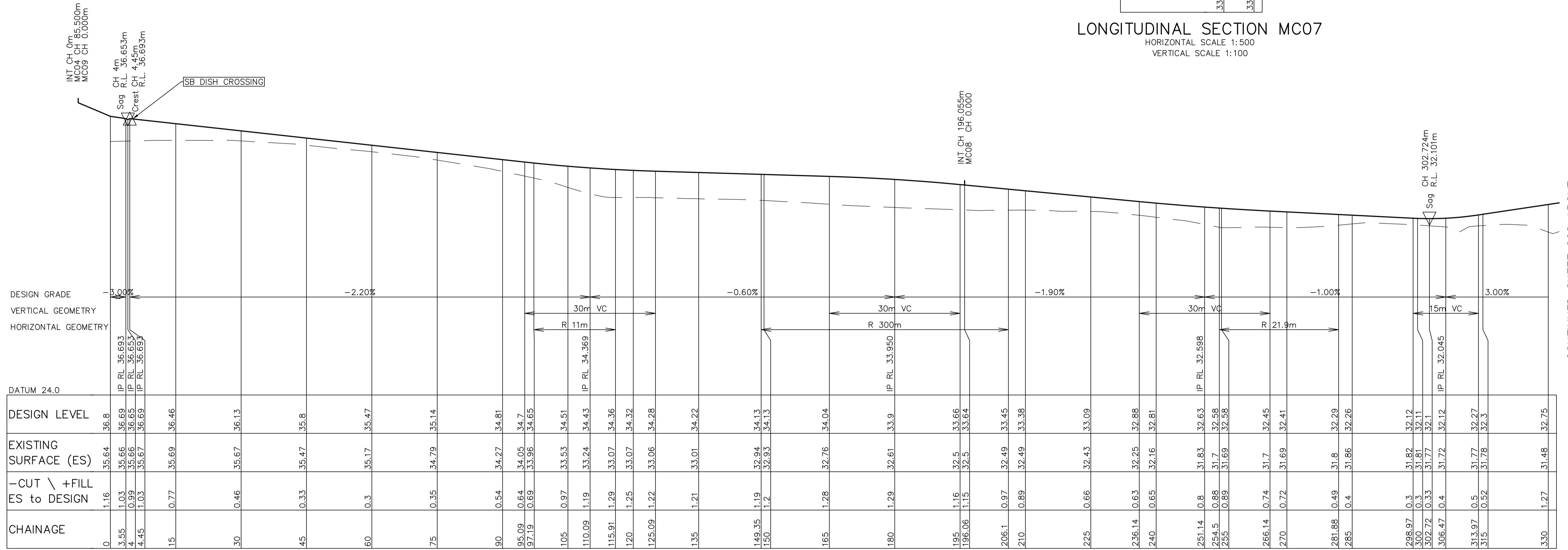
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		CLIENT	PROPERTY DESCRIPTION	PROJECT
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	VERT 0 2 4 1:100 / 1:200 HORIZ 0 10 20 1:500 / 1:1000	Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CPG ESTATES	CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	WYNDELLA ROAD LOCHINVAR PLAN TITLE ROAD LONGITUDINAL SECTION: MC05 SHEET 1
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.					PROJECT No. 240332 DISCIPLINE CENG NUMBER 206 REV. B



LONGITUDINAL SECTION MC05
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

<table border="1"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>AMENDMENT</th> <th>DRAWN</th> <th>CHECK</th> <th>DESIGN</th> <th>VERIFY</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>22.03.2023</td> <td>INITIAL ISSUE</td> <td>D.N.</td> <td>M.K.</td> <td>C.L.</td> <td>M.L.</td> </tr> <tr> <td>B</td> <td>21.04.2023</td> <td>MINOR AMENDMENTS</td> <td>D.N.</td> <td>M.K.</td> <td>C.L.</td> <td>M.L.</td> </tr> </tbody> </table>	REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.	<p>DESIGN FILE N:\240332\Design\12D\</p> <p>Plotted By: jersonf Plot Date: 21/04/23 - 14:50 Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-207(B).dwg</p>	<p>ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE</p>		<p>Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398</p>	<p>CLIENT</p> <p>CPG ESTATES</p>	<p>PROPERTY DESCRIPTION</p> <p>CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR</p>	<p>PROJECT</p> <p>WYNDELLA ROAD LOCHINVAR</p> <p>PLAN TITLE</p> <p>ROAD LONGITUDINAL SECTION: MC05 SHEET 2</p>	<table border="1"> <thead> <tr> <th>SURVEYED</th> <th>DATUM</th> <th>PROJECT No.</th> <th>DISCIPLINE</th> <th>NUMBER</th> <th>REV.</th> </tr> </thead> <tbody> <tr> <td>ADW Johnson</td> <td>GDA94 M.G.A. ZONE 56 A.H.D.</td> <td>240332</td> <td>CENG</td> <td>207</td> <td>B</td> </tr> </tbody> </table>	SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.	ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG	207	B
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY																																			
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B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.																																			
SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.																																				
ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG	207	B																																				

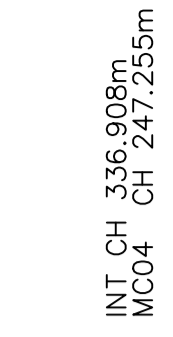


LONGITUDINAL SECTION MC07

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

DATUM	24.0	
DESIGN LEVEL	32.75	32.96
EXISTING SURFACE (ES)	31.48	31.79
- CUT \ +FILL ES to DESIGN	1.27	1.16
CHAINAGE	330	336.91

CONTINUED SHEET 208 DOWN



INT. CH 336.908m
MC04 CH 247.255m

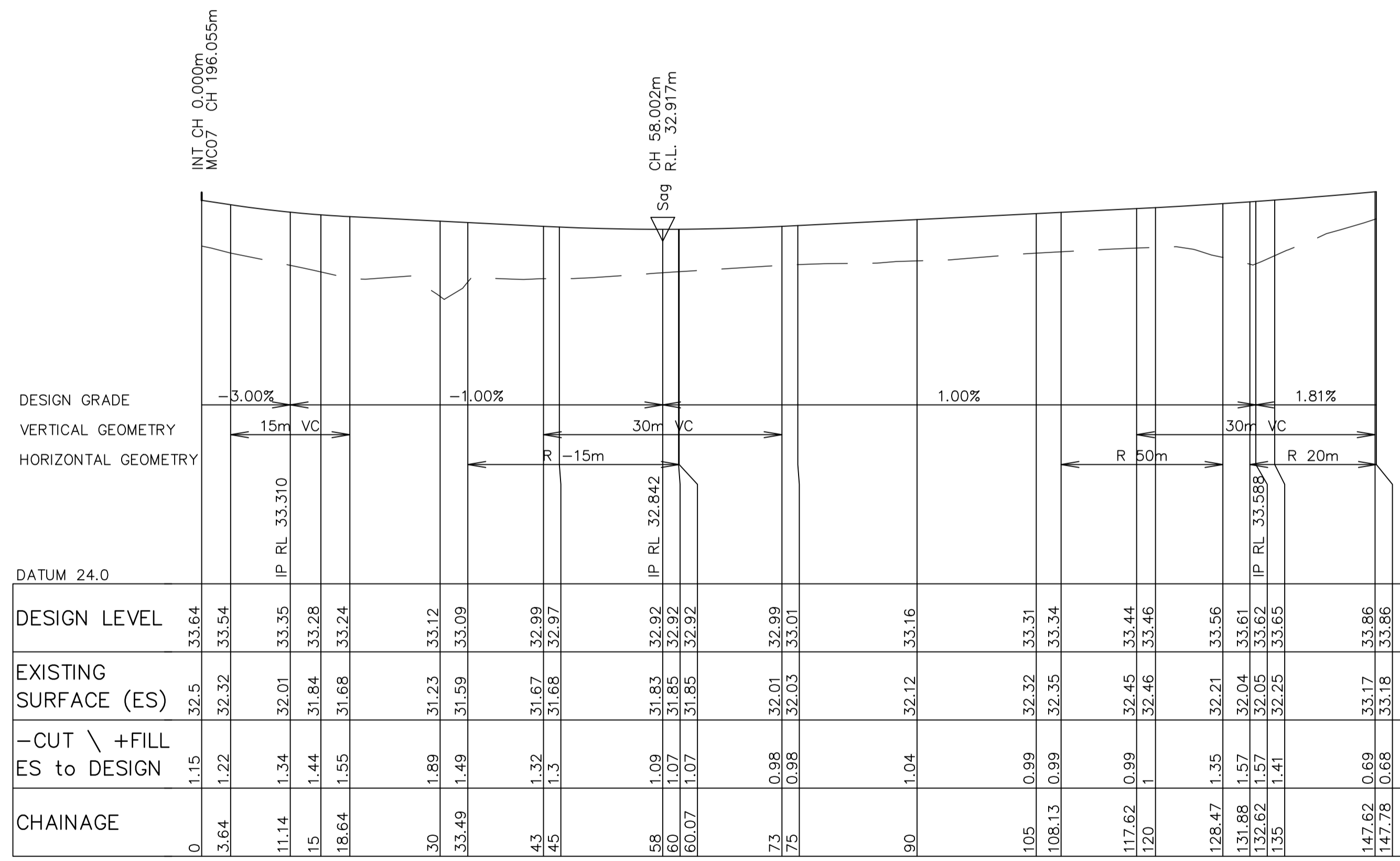
CONTINUED SHEET 208 ABOVE

LONGITUDINAL SECTION MC07

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

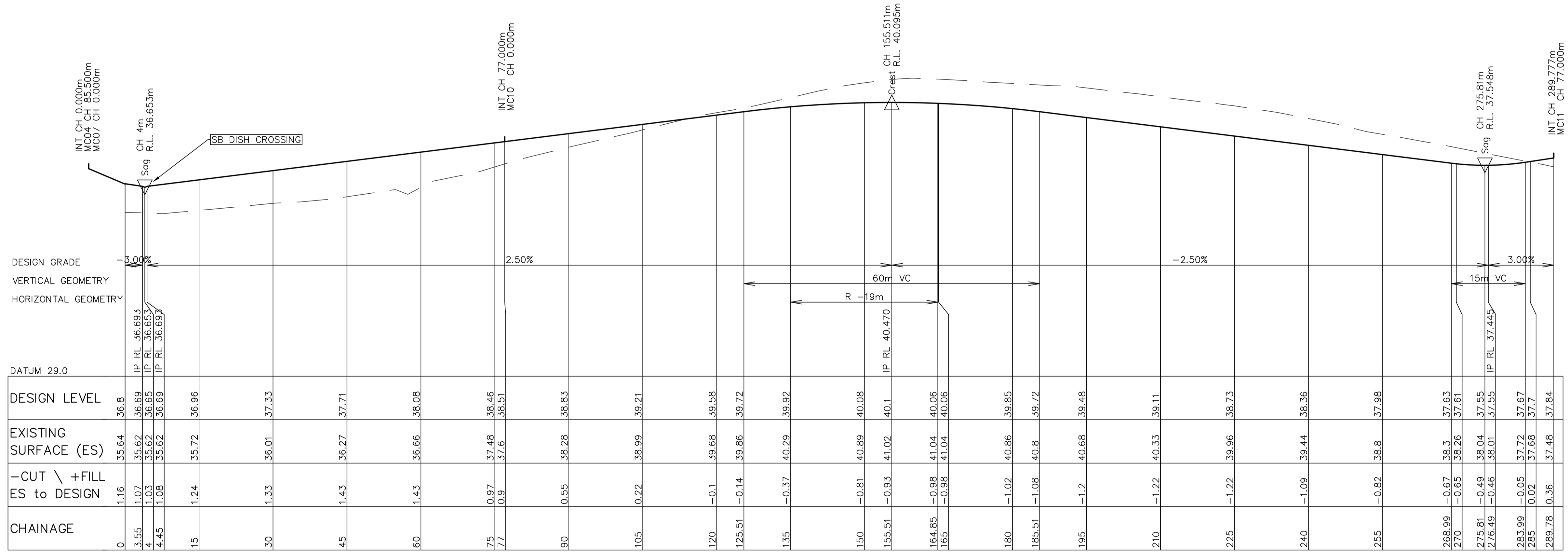
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT				
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	VERT HORIZ	Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohanson.com.au www.adwjohanson.com.au ABN 62 129 445 398	CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	WYNDELLA ROAD LOCHINVAR				
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.				ROAD LONGITUDINAL SECTION: MC07				
DESIGN FILE N:\240332\Design\12D\			ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE					SURVEYED ADW Johnson		DATUM GDA94 M.G.A. ZONE 56 A.H.D.	PROJECT No. 240332	DISCIPLINE CENG	NUMBER 208	REV. B



LONGITUDINAL SECTION MC08
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

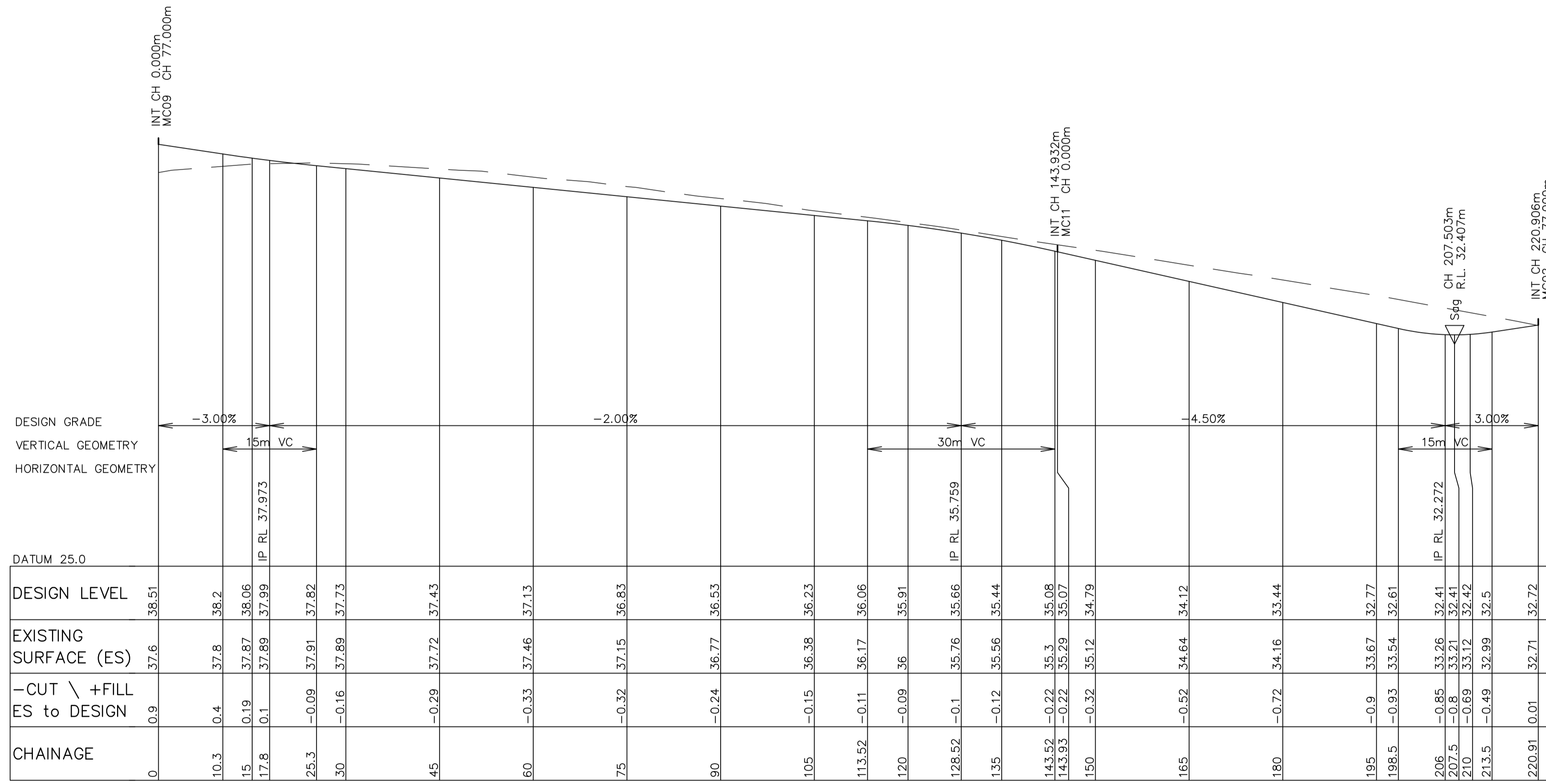
REV. DATE AMENDMENT	DRAWN CHECK DESIGN VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT
A 22.03.2023 INITIAL ISSUE B 21.04.2023 MINOR AMENDMENTS	D.N. M.K. C.L. M.L. D.N. M.K. C.L. M.L.	VERT 0 2 4 A1 / A3 1:100 / 1:200 HORIZ 0 10 20 A1 / A3 1:500 / 1:1000	Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	WYNDELLA ROAD LOCHINVAR ROAD LONGITUDINAL SECTION: MC08
DESIGN FILE N:\240332\Design\12D\	ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE			SURVEYED ADW Johnson	PROJECT No. 240332 - DISCIPLINE CENG - NUMBER 209 - REV. B
Plotted By: jersonf Plot Date: 21/04/23 - 14:51 Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-209(B).dwg				DATUM GDA94 M.G.A. ZONE 56 A.H.D.	



LONGITUDINAL SECTION MC09
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

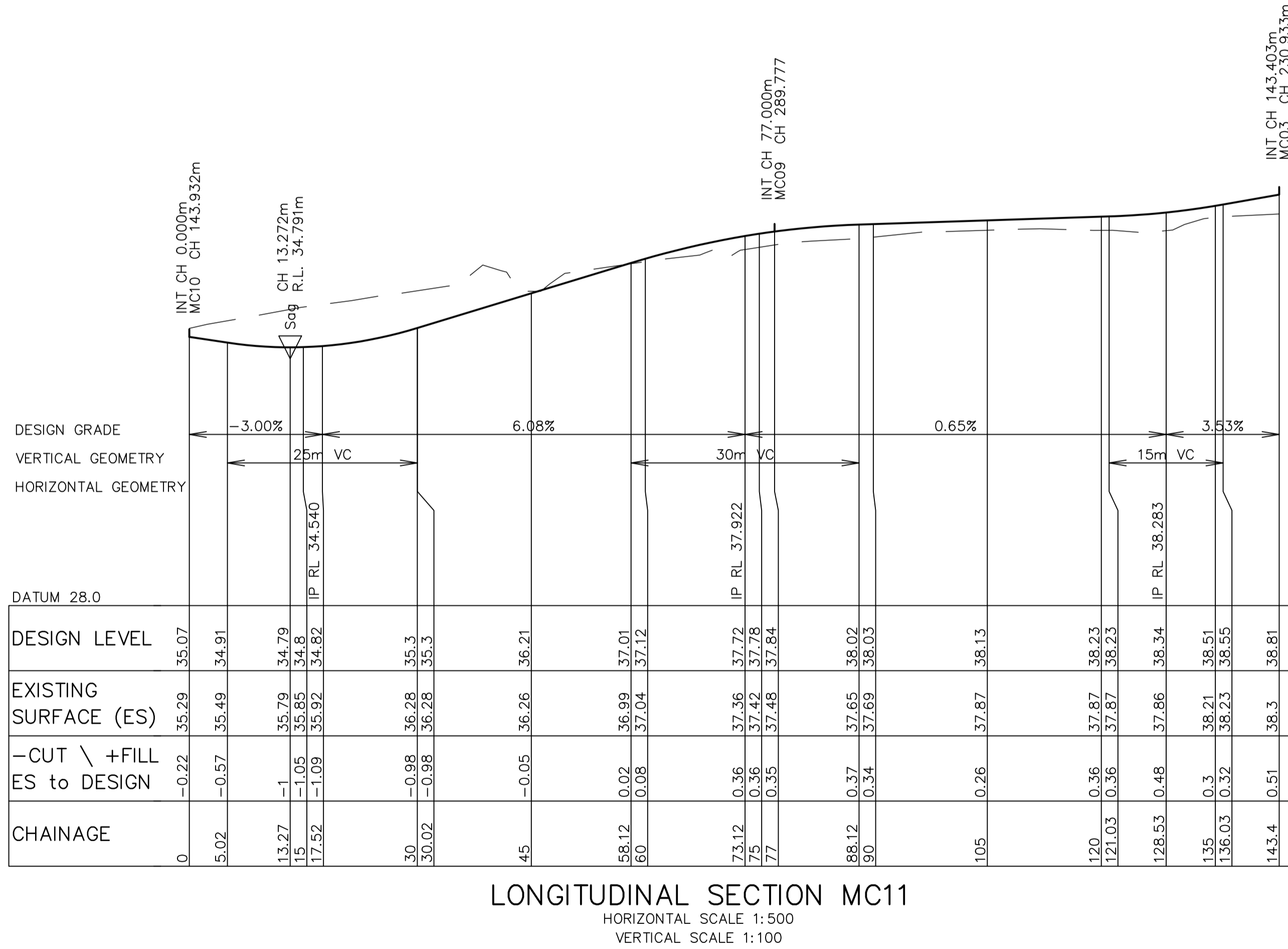
REV. A 22.03.2023 INITIAL ISSUE	DATE 22.03.2023	AMENDMENT INITIAL ISSUE	DRAWN D.N.	CHECK M.K.	DESIGN C.L.	VERIFY M.L.	SCALES VERT 1:100 / 1:200 HORIZ 1:500 / 1:1000	<p>Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohanson.com.au www.adwjohanson.com.au ABN 62 129 445 398</p>	CLIENT CPG ESTATES	PROPERTY DESCRIPTION CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	PROJECT WYNDELLA ROAD LOCHINVAR PLAN TITLE ROAD LONGITUDINAL SECTION: MC09	SURVEYED ADW Johnson	DATUM GDA94 M.G.A. ZONE 56 A.H.D.	PROJECT No. 240332	DISCIPLINE CENG	NUMBER 210	REV. B
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LONGITUDINAL SECTION MC10
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

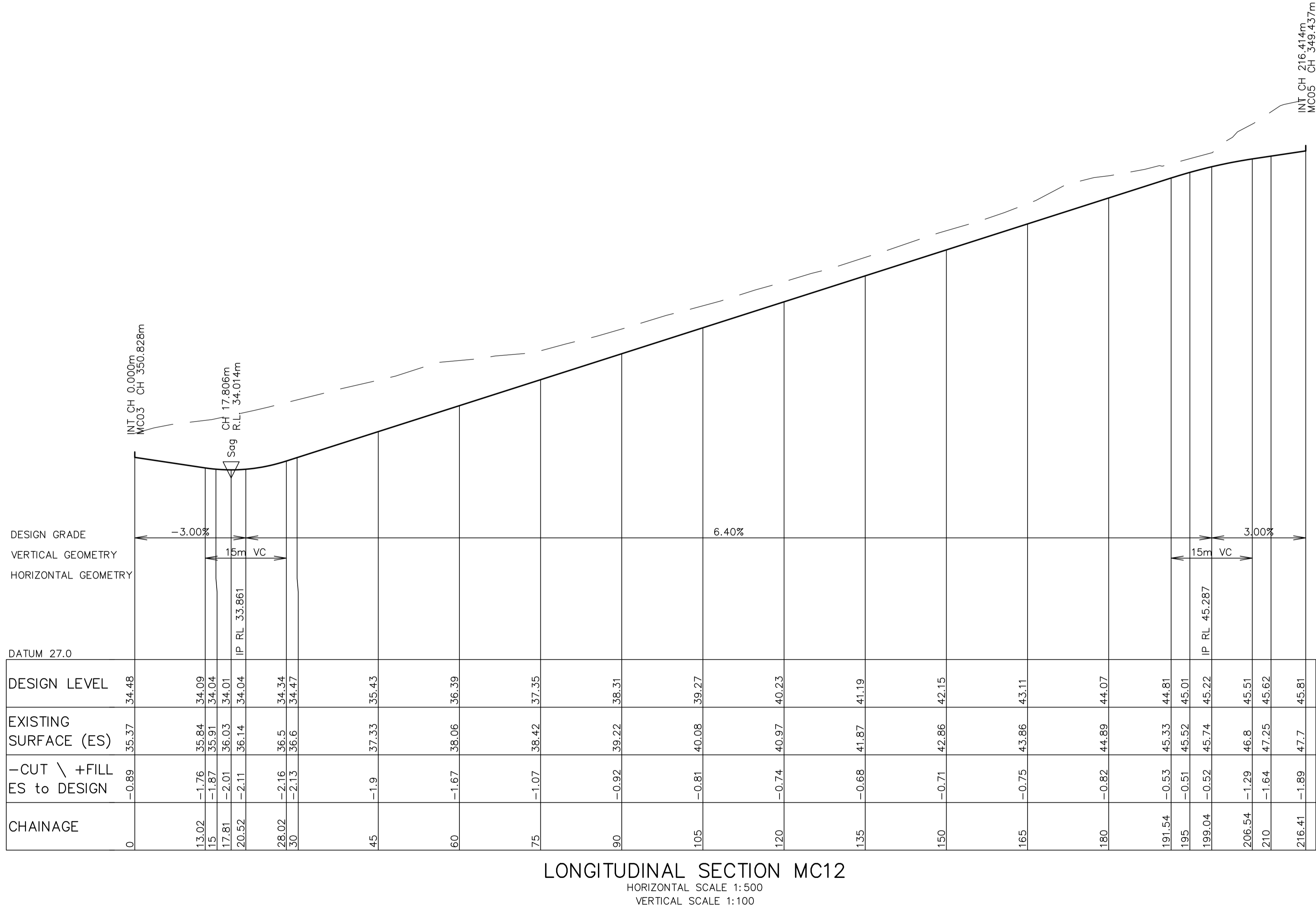
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		CLIENT	PROPERTY DESCRIPTION	PROJECT
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	VERT 0 2 4 A1 / A3 1:100 / 1:200 HORIZ 0 10 20 A1 / A3 1:500 / 1:1000	Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398		CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	WYNDELLA ROAD LOCHINVAR ROAD LONGITUDINAL SECTION: MC10
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.					PROJECT No. 240332 - DISCIPLINE CENG - NUMBER 211 - REV. B



LONGITUDINAL SECTION MC11
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

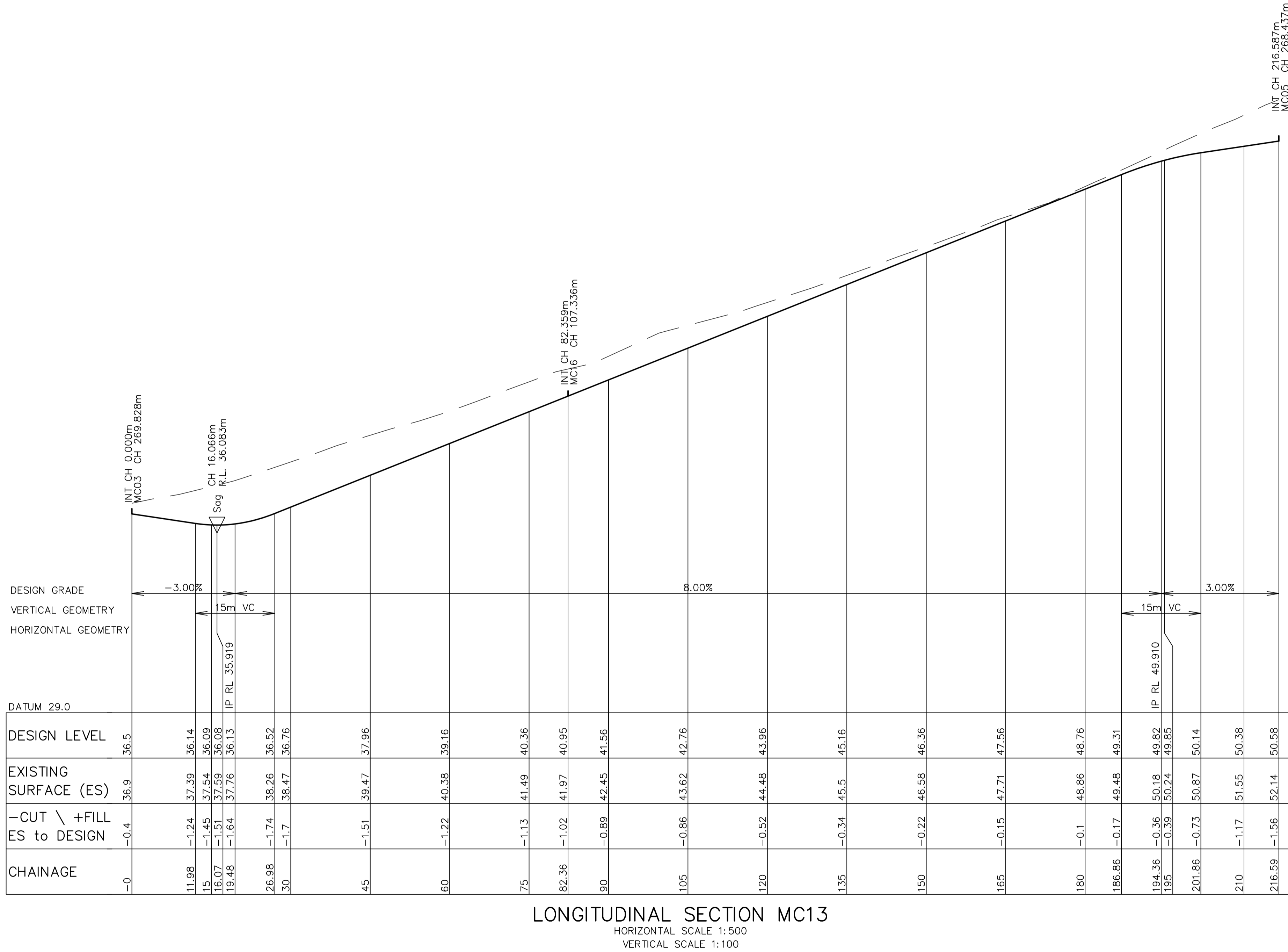
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LONGITUDINAL SECTION MC12
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

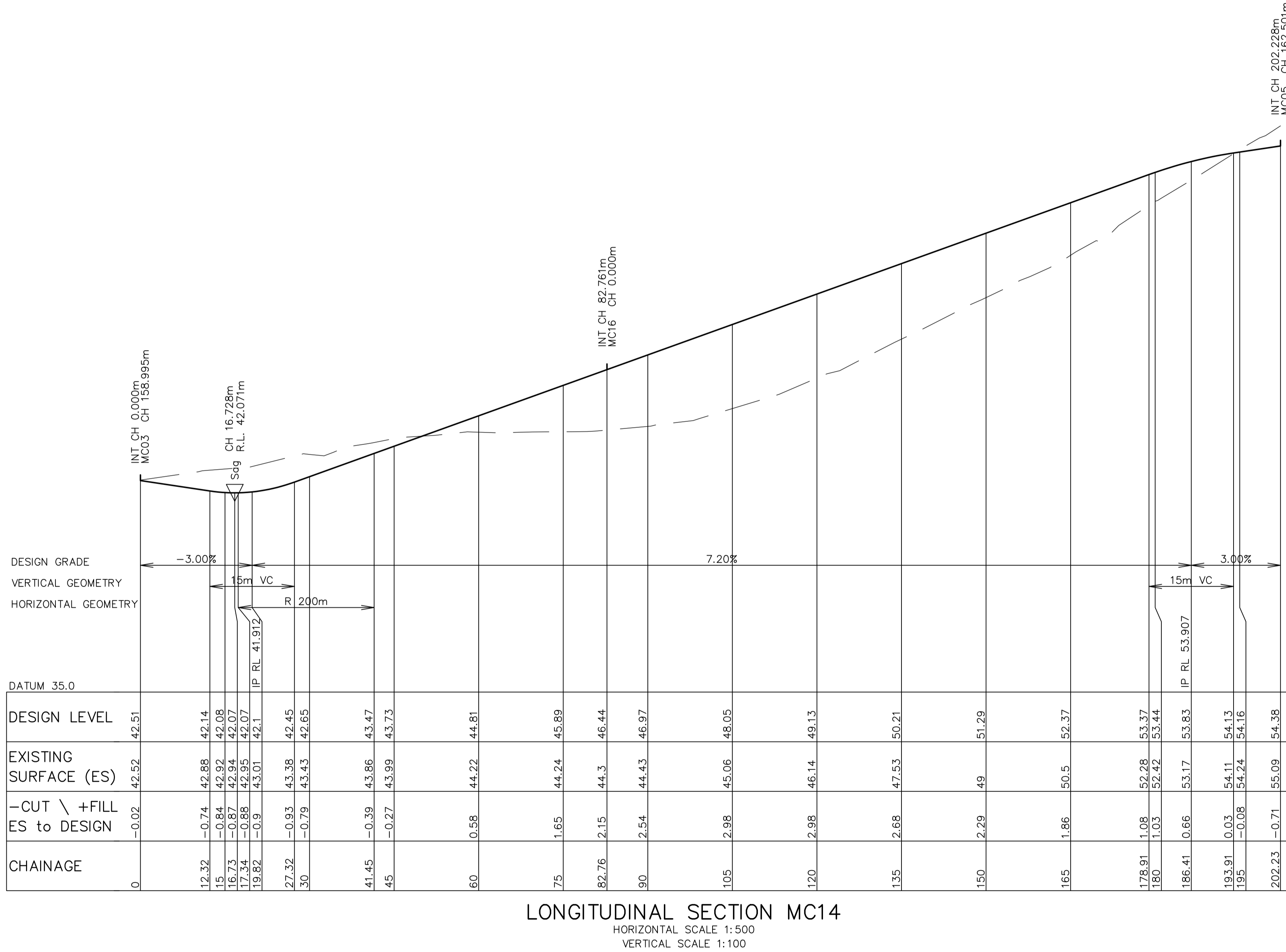
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		CLIENT CPG ESTATES	PROPERTY DESCRIPTION CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	PROJECT WYNDELLA ROAD LOCHINVAR
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	VERT 0 2 4 1:100 / 1:200 HORIZ 0 10 20 1:500 / 1:1000	Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohson.com.au www.adwjohson.com.au ABN 62 129 445 398			
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.					
DESIGN FILE N:\240332\Design\12D\			ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE			SURVEYED ADW Johnson			DATUM GDA94 M.G.A. ZONE 56 A.H.D.		
Plotted By: jersonf Plot Date: 21/04/23 - 14:51 Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-213(B).dwg						PROJECT No. 240332			DISCIPLINE - CENG NUMBER - 213 REV. - B		



LONGITUDINAL SECTION MC13
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

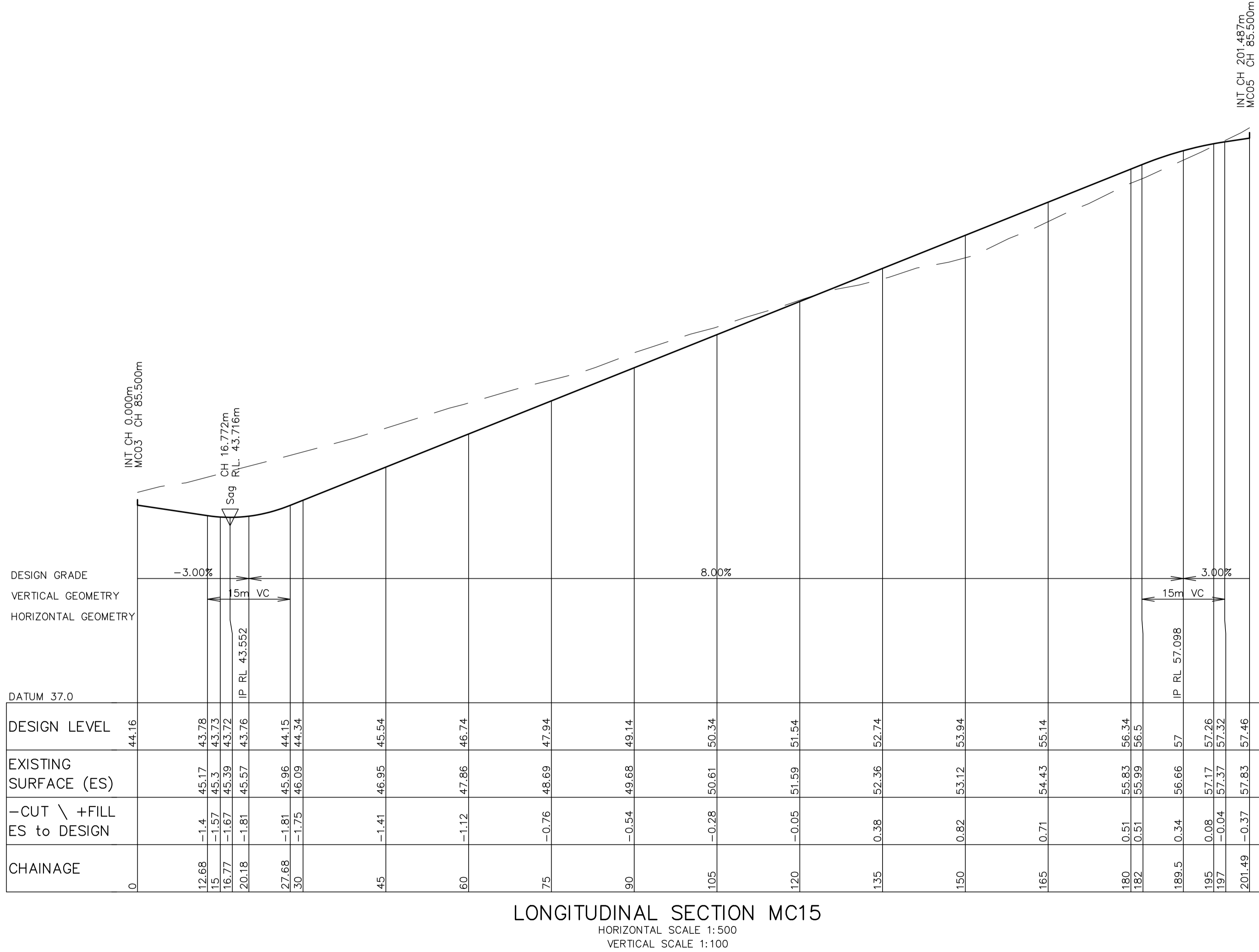
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT	CPG ESTATES 	PROPERTY DESCRIPTION CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	PROJECT WYNDELLA ROAD LOCHINVAR	
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	VERT 0 2 4 1:100 / 1:200 HORIZ 0 10 20 1:500 / 1:1000							
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.								
DESIGN FILE N:\240332\Design\12D\			ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE					Plotted By: jersonf Plot Date: 21/04/23 - 14:51		Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-214(B).dwg		PROJECT No. 240332 - DISCIPLINE CENG - NUMBER 214 - REV. B		



LONGITUDINAL SECTION MC14
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

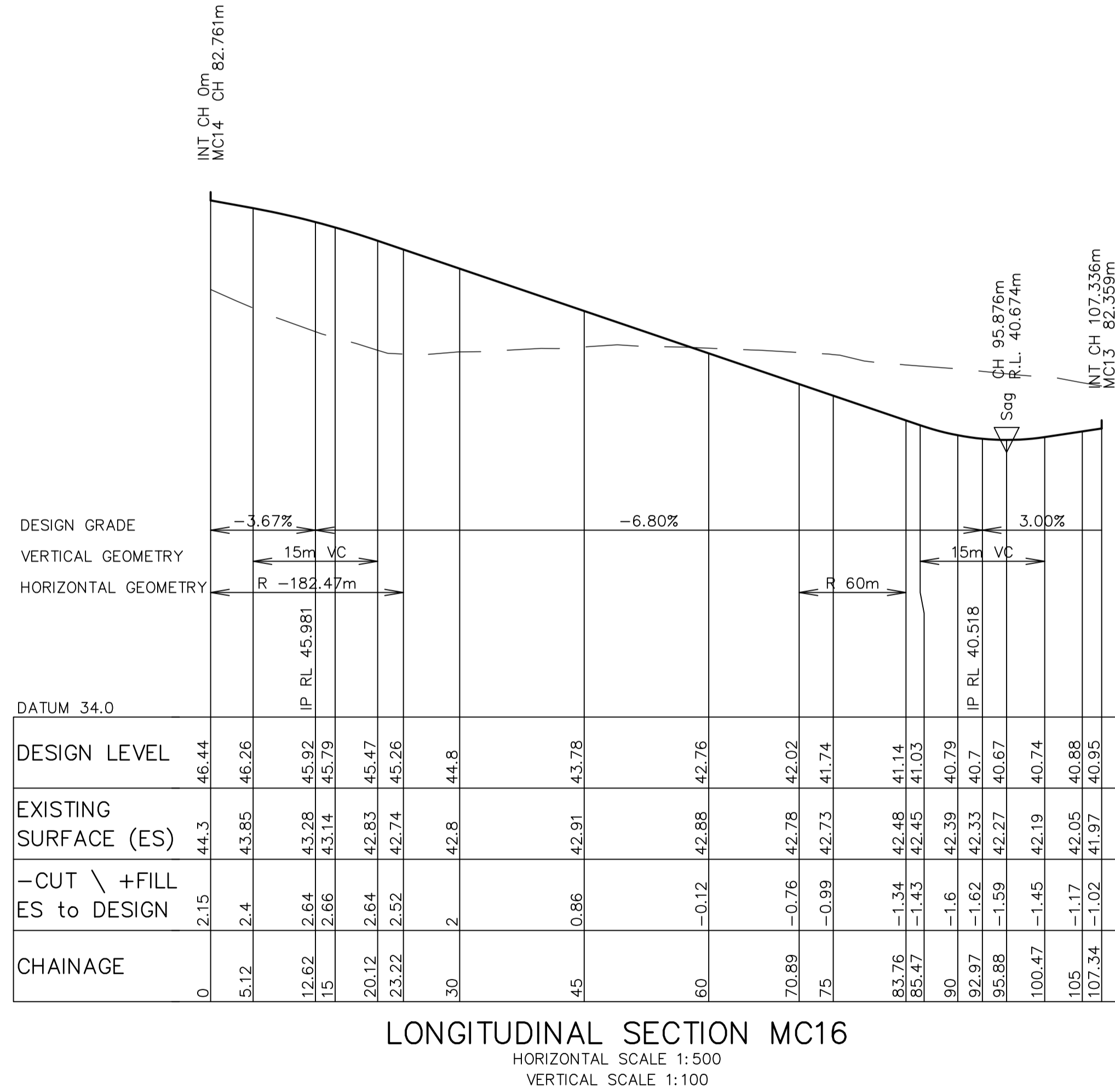
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		CLIENT	PROPERTY DESCRIPTION	PROJECT					
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	VERT 0 2 4 A1 / A3 1:100 / 1:200 HORIZ 0 10 20 A1 / A3 1:500 / 1:1000	Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohson.com.au www.adwjohson.com.au ABN 62 129 445 398	CPGESTATES	CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	WYNDELLA ROAD LOCHINVAR ROAD LONGITUDINAL SECTION: MC14					
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.					SURVEYED ADW Johnson	DATUM GDA94 M.G.A. ZONE 56 A.H.D.	PROJECT No. 240332	DISCIPLINE CENG	NUMBER 215	REV. B



LONGITUDINAL SECTION MC15
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

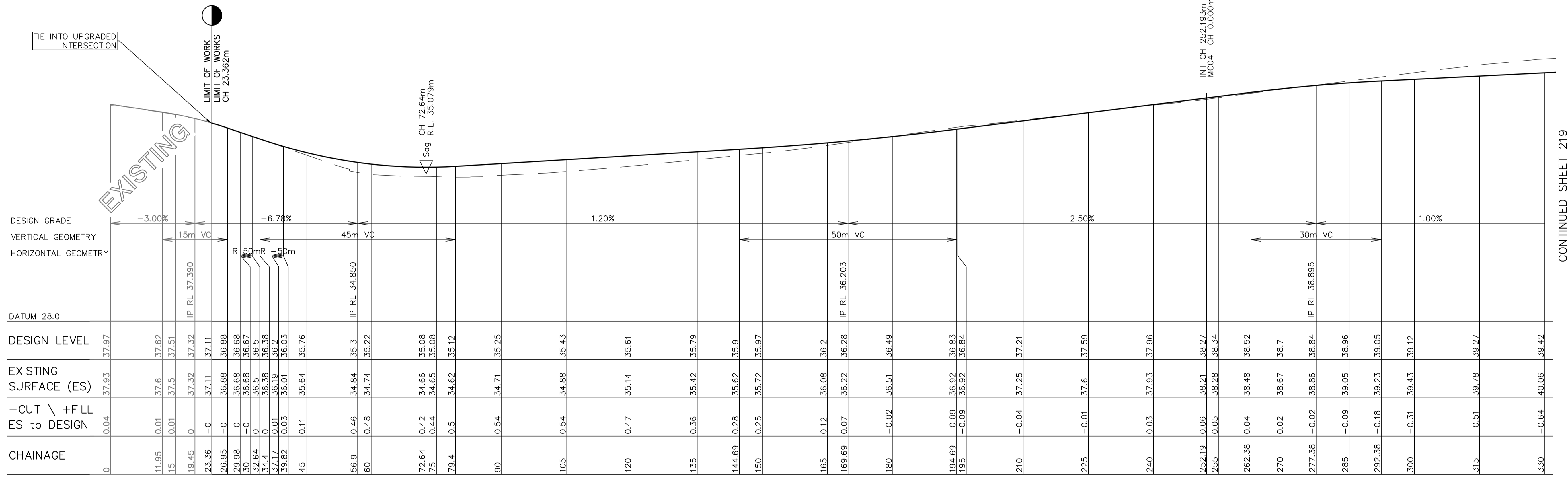
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohanson.com.au www.adwjohanson.com.au ABN 62 129 445 398	CLIENT	CPG ESTATES 	PROPERTY DESCRIPTION CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	PROJECT WYNDELLA ROAD LOCHINVAR PLAN TITLE ROAD LONGITUDINAL SECTION: MC15	
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	VERT 0 2 4 1:100 / 1:200 HORIZ 0 10 20 1:500 / 1:1000							
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.								
DESIGN FILE N:\240332\Design\12D\			ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE			Plotted By: jersonf Plot Date: 21/04/23 - 14:51 Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-216(B).dwg			SURVEYED ADW Johnson DATUM GDA94 M.G.A. ZONE 56 A.H.D. PROJECT No. 240332 - DISCIPLINE CENG - NUMBER 216 - REV. B					



LONGITUDINAL SECTION MC16
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

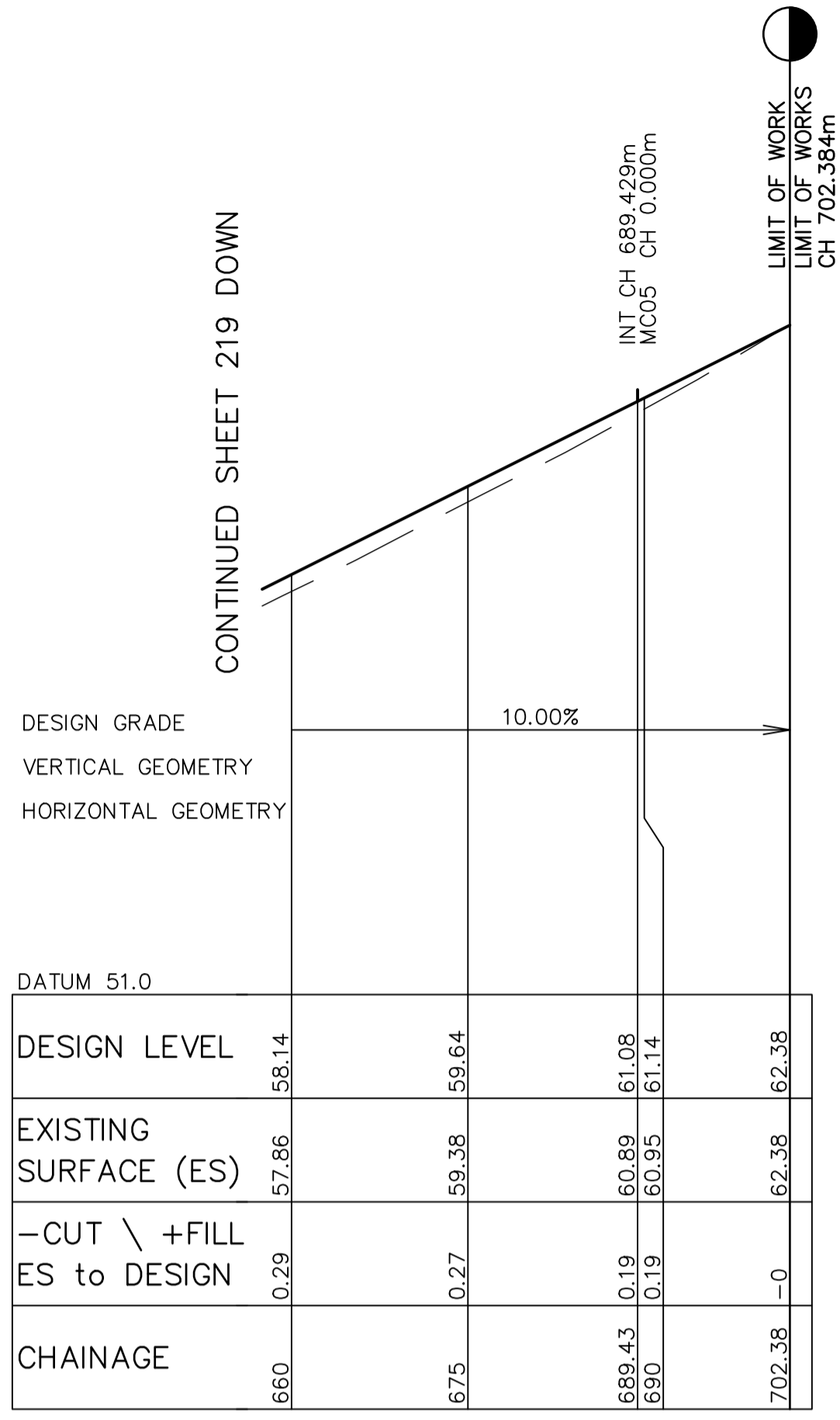
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		CLIENT	PROPERTY DESCRIPTION	PROJECT
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	VERT 0 2 4 1:100 / 1:200 HORIZ 0 10 20 1:500 / 1:1000		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohanson.com.au www.adwjohanson.com.au ABN 62 129 445 398	CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	WYNDELLA ROAD LOCHINVAR ROAD LONGITUDINAL SECTION: MC16
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.			CPG ESTATES		PROJECT No. 240332 DISCIPLINE CENG NUMBER 217 REV. B



LONGITUDINAL SECTION WYNDELLA RD
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

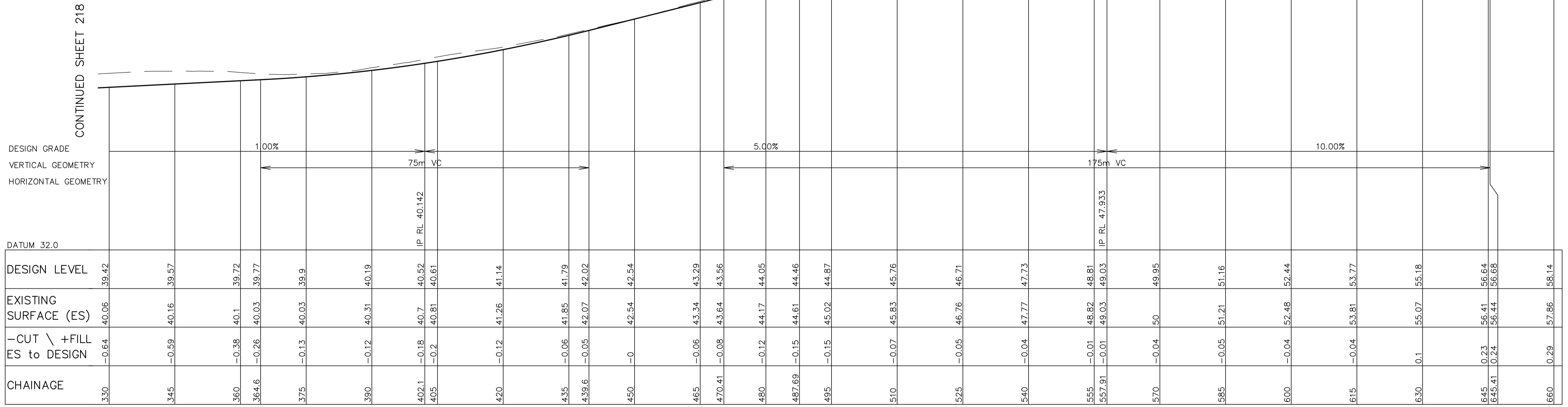
NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT				
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	VERT 0 2 4 A1 / A3 1:100 / 1:200 HORIZ 0 10 20 A1 / A3 1:500 / 1:1000	Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohanson.com.au www.adwjohanson.com.au ABN 62 129 445 398	CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	WYNDELLA ROAD LOCHINVAR PLAN TITLE ROAD LONGITUDINAL SECTION: WYNDELLA ROAD SHEET 1				
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.		CPG ESTATES	SURVEYED ADW Johnson	DATUM GDA94 M.G.A. ZONE 56 A.H.D.	PROJECT No. 240332	DISCIPLINE CENG	NUMBER 218	REV. B



LONGITUDINAL SECTION WYNDELLA RD

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

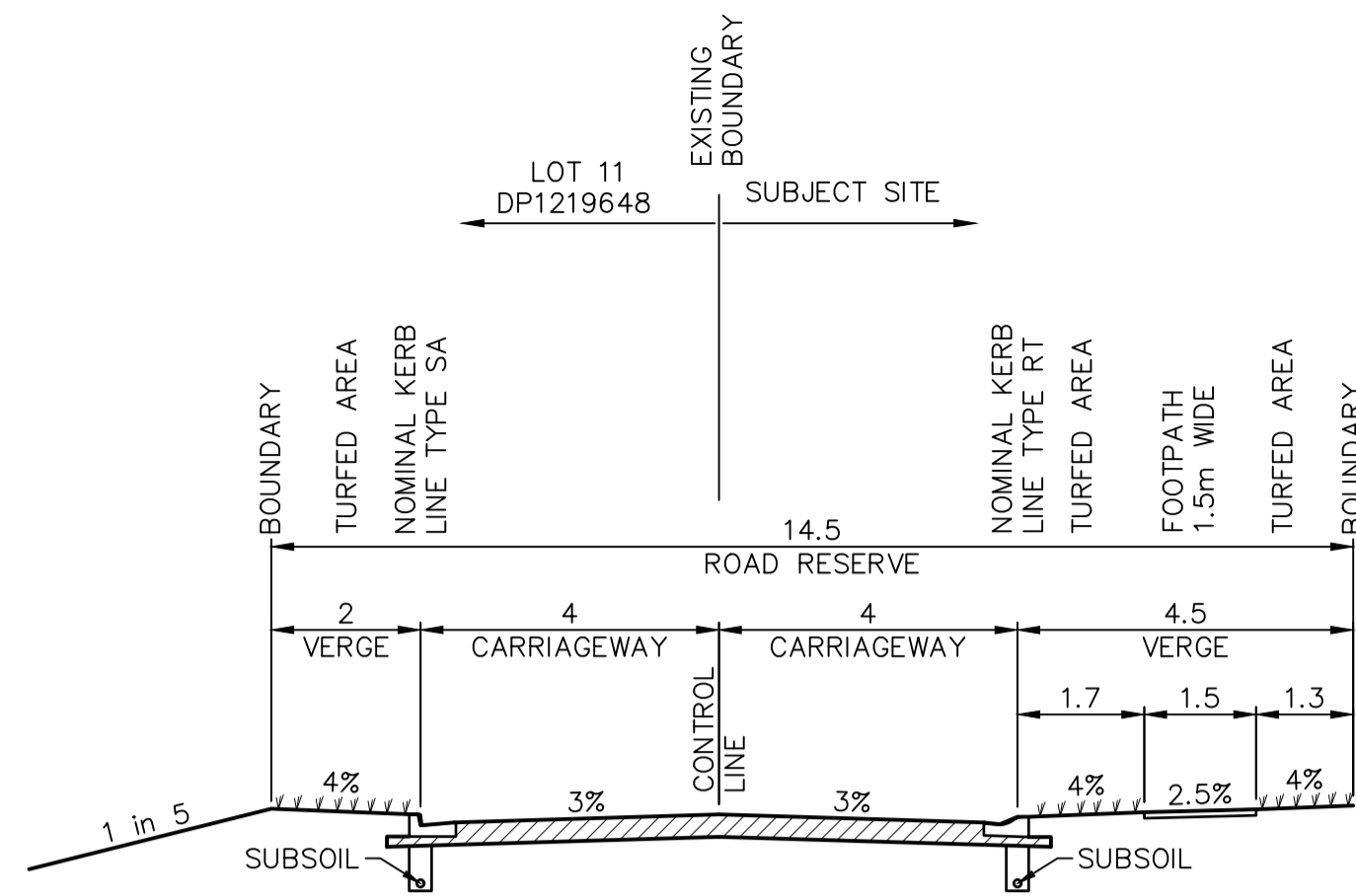


LONGITUDINAL SECTION WYNDELLA RD

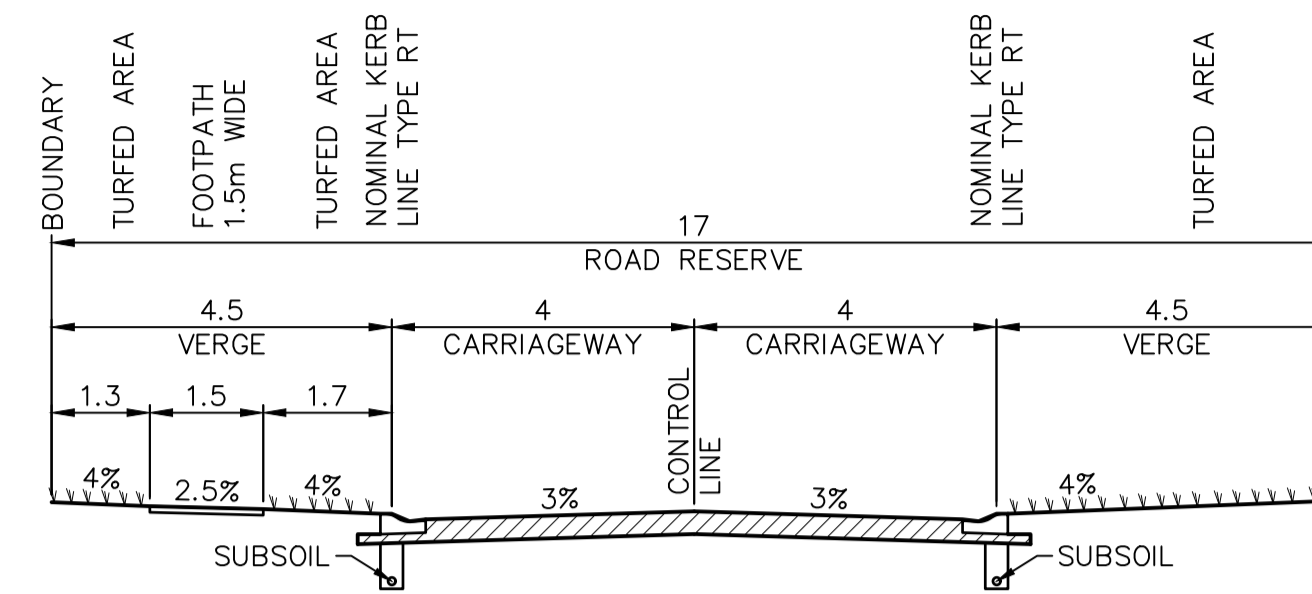
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

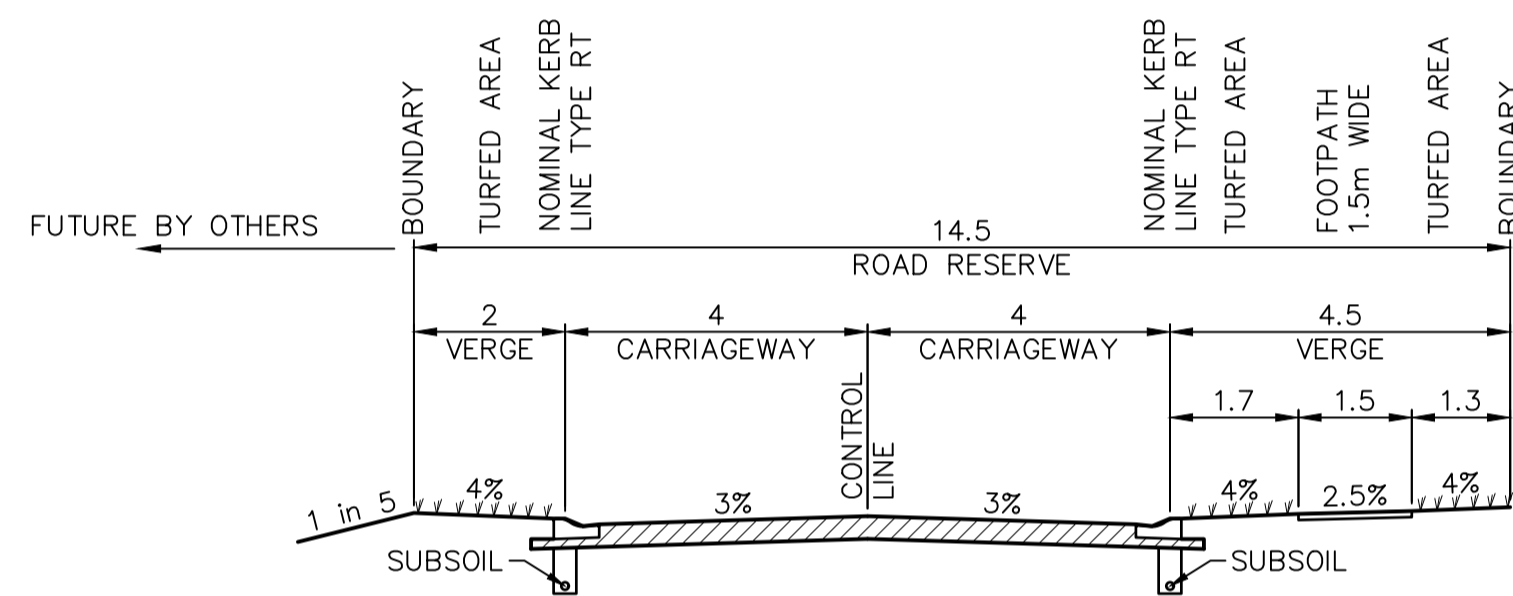
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	VERT 0 2 4 A1 / A3 1:100 / 1:200 HORIZ 0 10 20 A1 / A3 1:500 / 1:1000	Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	WYNDELLA ROAD LOCHINVAR ROAD LONGITUDINAL SECTION: WYNDELLA ROAD SHEET 2
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.		CPG ESTATES		PROJECT No. 240332 DISCIPLINE CENG NUMBER 219 REV. B



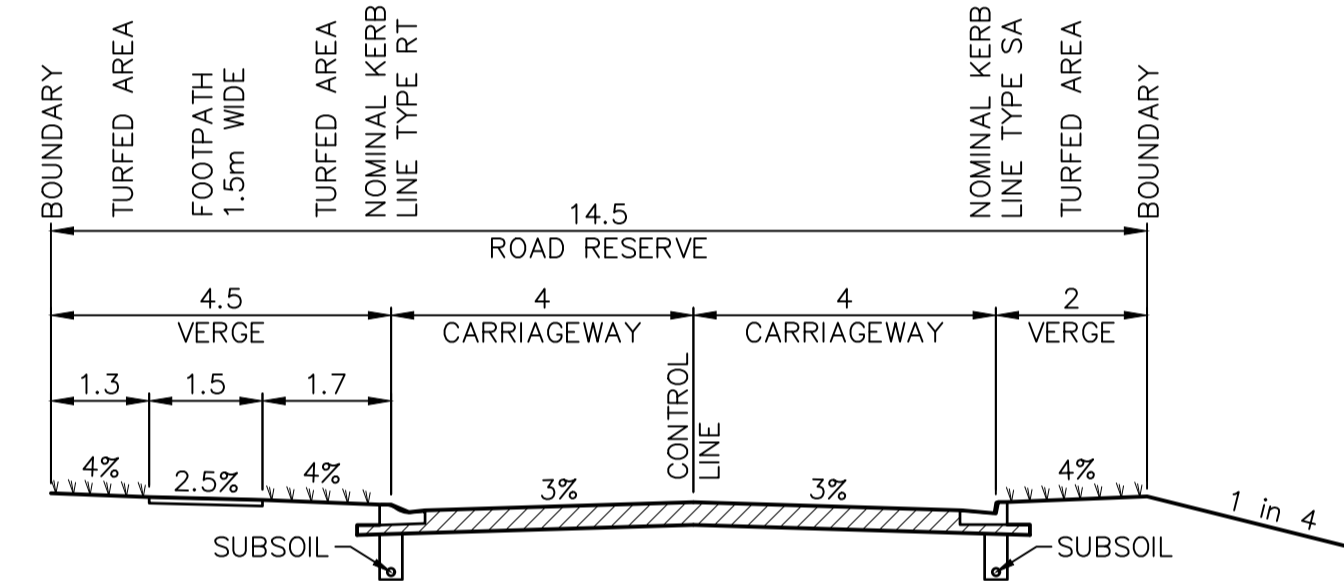
TYPICAL CROSS SECTION MC01
SCALE 1:100 NATURAL



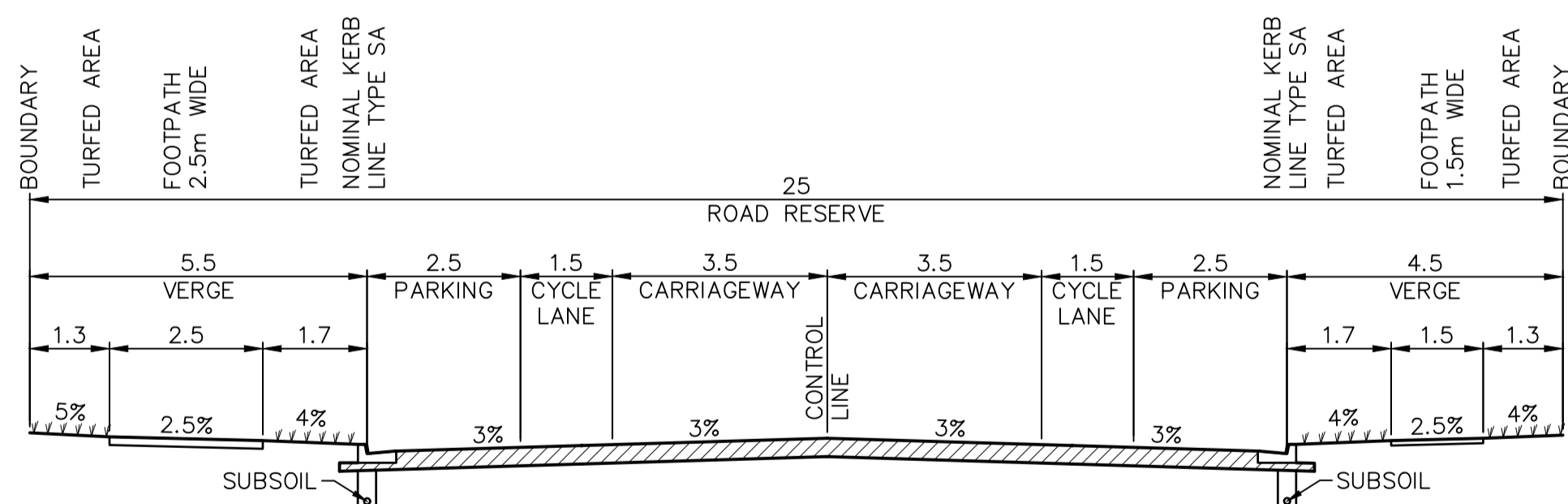
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SCALE 1:100 NATURAL



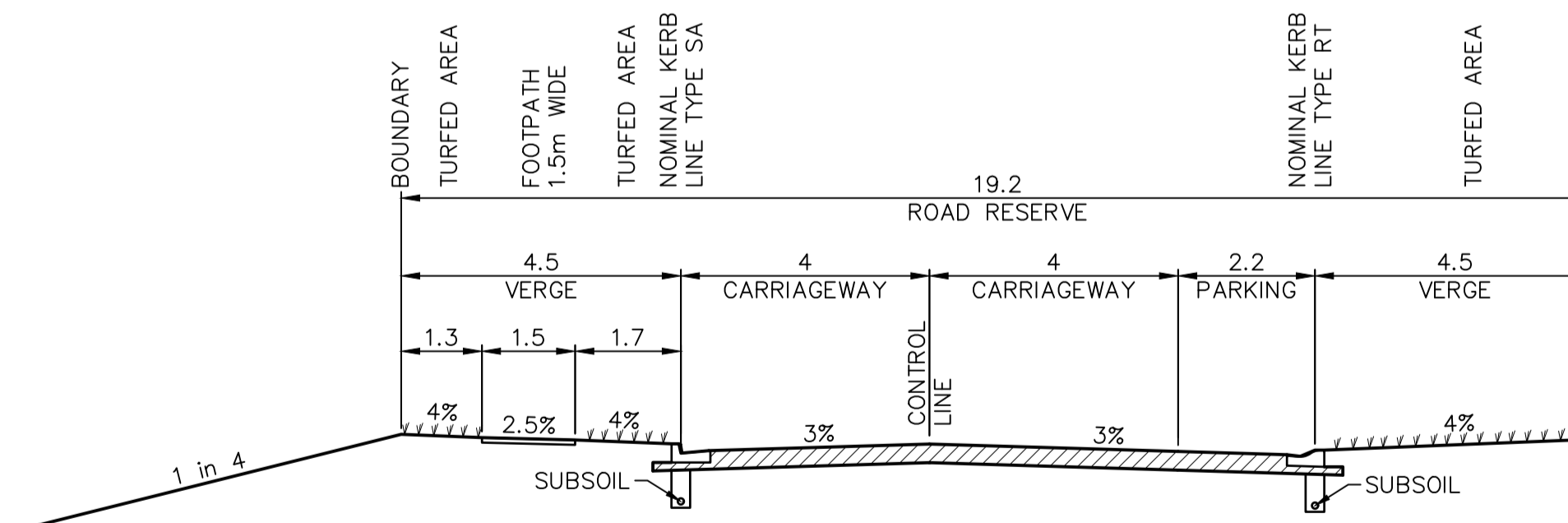
TYPICAL CROSS SECTION MC02
SCALE 1:100 NATURAL



TYPICAL CROSS SECTION MC05, MC08
SCALE 1:100 NATURAL



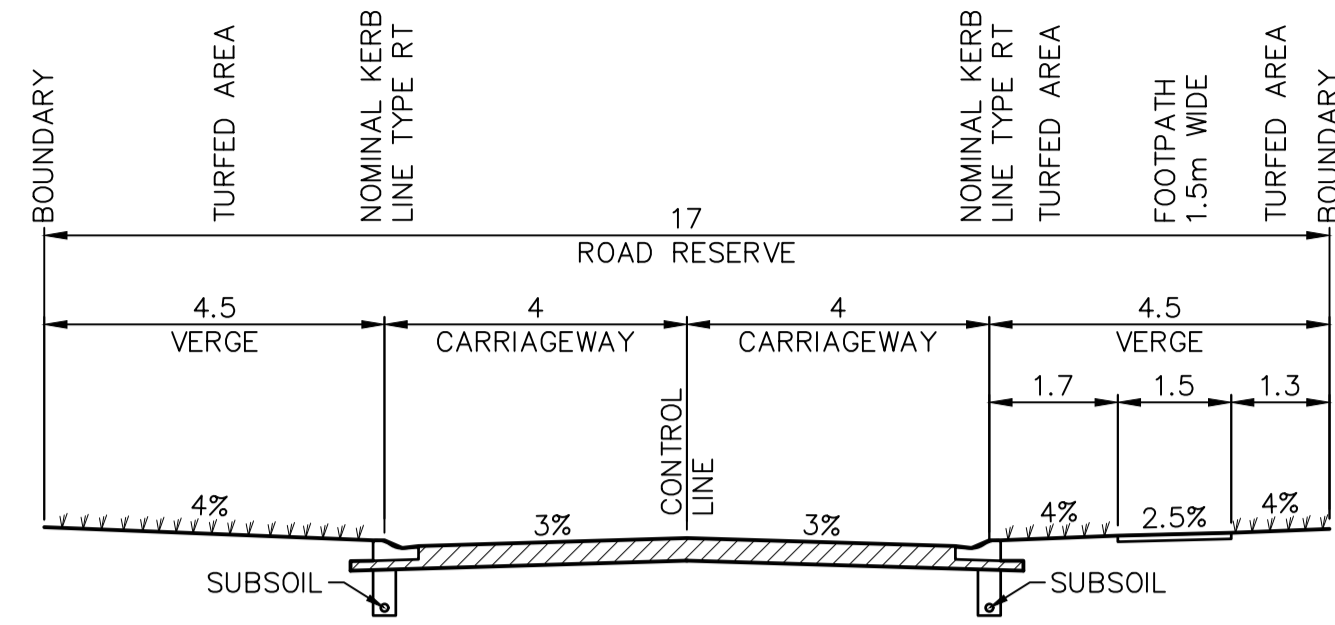
TYPICAL CROSS SECTION MC03
SCALE 1:100 NATURAL



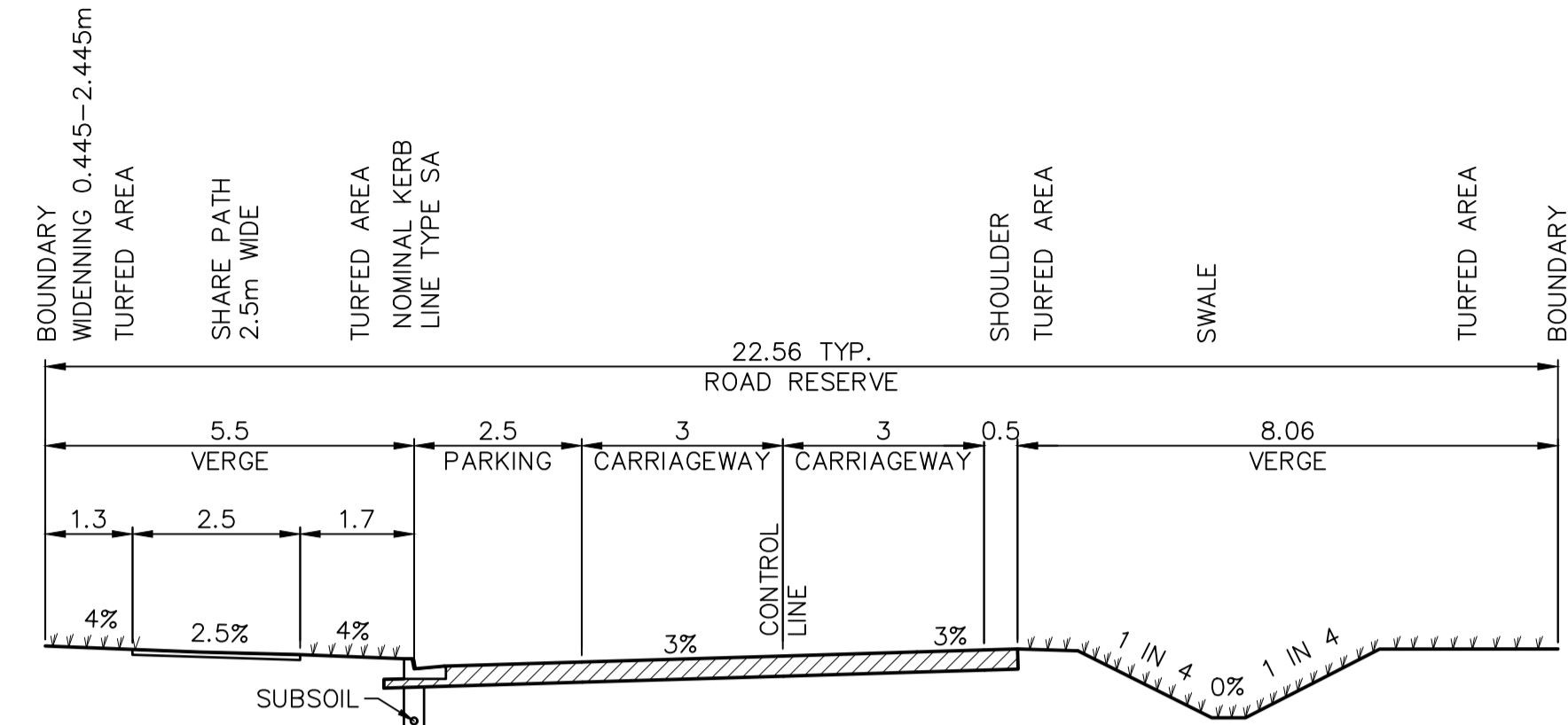
TYPICAL CROSS SECTION MC07
(CHAINAGE 130-337m)
SCALE 1:100 NATURAL

NOT FOR CONSTRUCTION

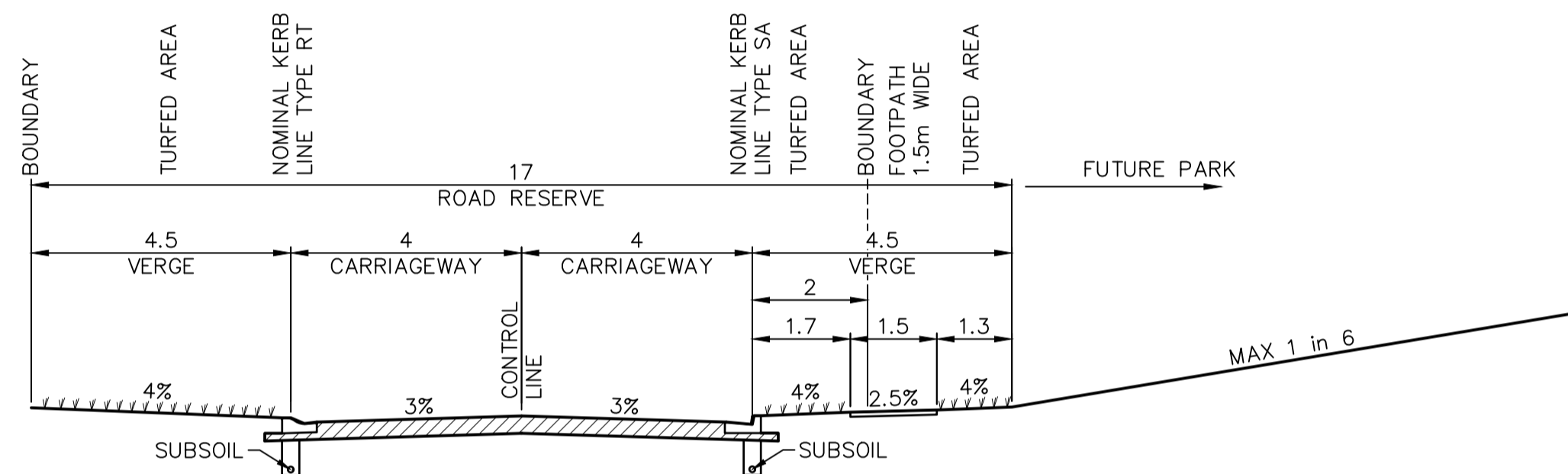
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	 Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT	PROPERTY DESCRIPTION	PROJECT				
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	0 1 2 3 4 A1 / A3 1:100 / 1:200		CPG ESTATES	CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	WYNDELLA ROAD LOCHINVAR				
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.					PLAN TITLE TYPICAL ROAD CROSS SECTIONS: SHEET 1				
DESIGN FILE N:\240332\Design\12D\		ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE		SURVEYED		DATUM		PROJECT No.		DISCIPLINE		NUMBER		REV.	
Plotted By: jersonf		Plot Date: 21/04/23 - 14:51		ADW Johnson		GDA94 M.G.A. ZONE 56 A.H.D.		240332		CENG		221		B	



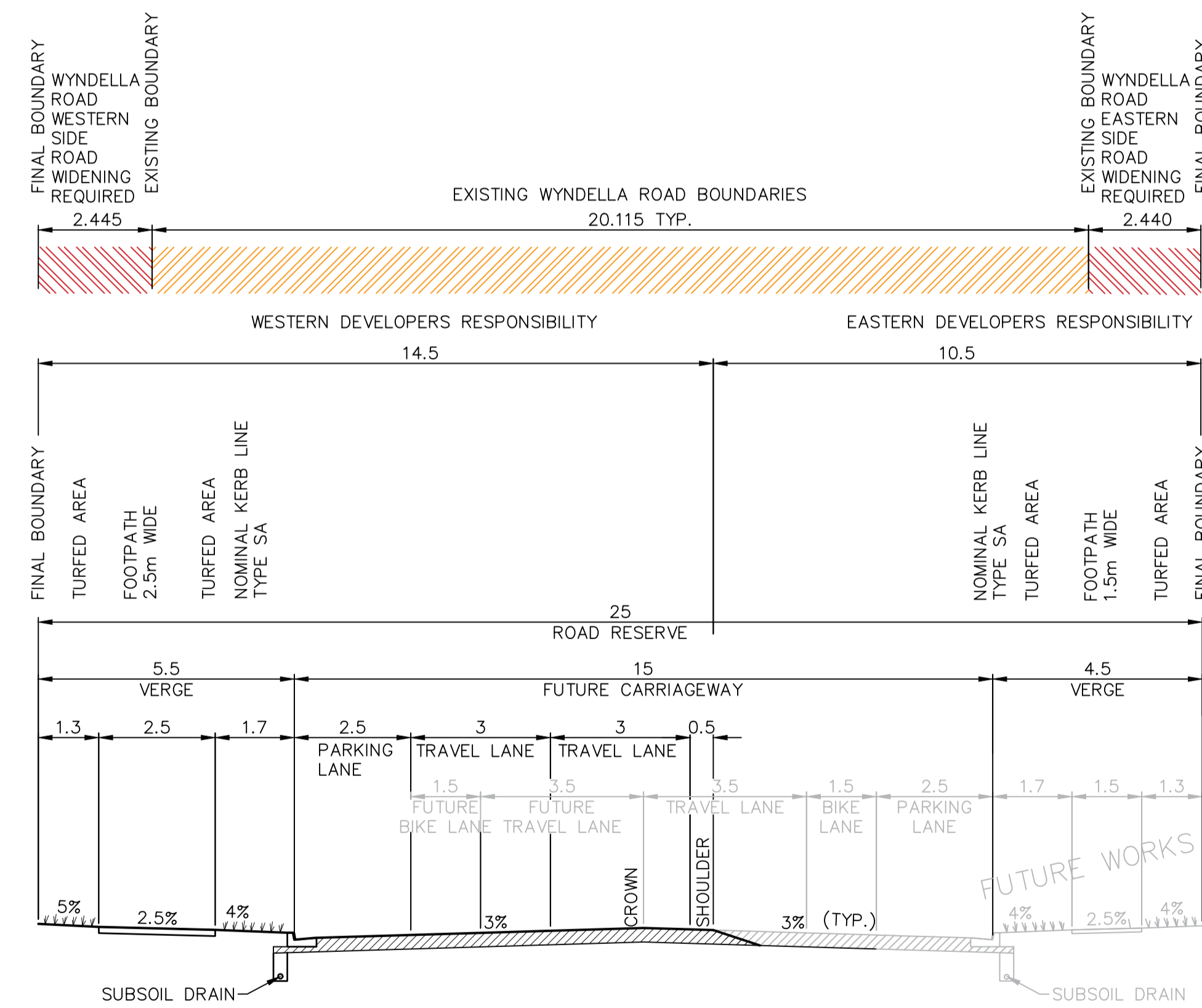
TYPICAL CROSS SECTION MC07
(CH 0-130m)
SCALE 1:100 NATURAL



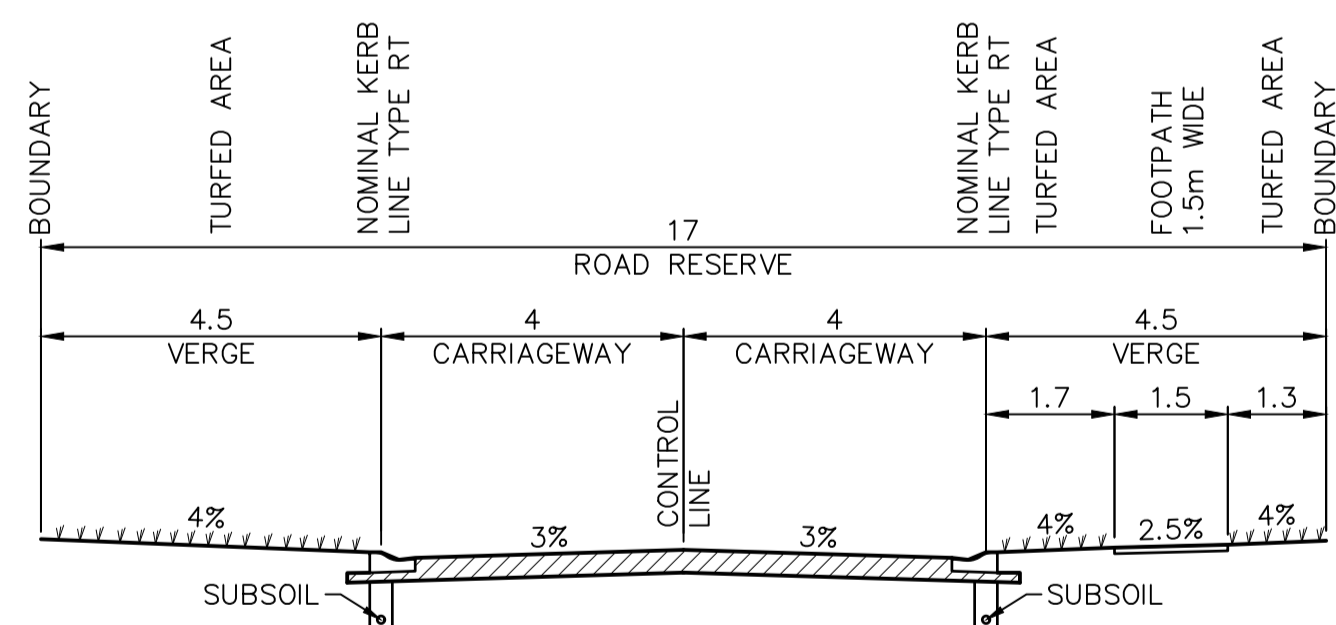
TYPICAL CROSS SECTION WYNDELLA ROAD
(CH 165-360m)
SCALE 1:100 NATURAL
(REFER BELOW FOR FUTURE ALLOCATION)



TYPICAL CROSS SECTION MC09 (CH 200-290m) & MC11 (CH 80-143m)
SCALE 1:100 NATURAL



TYPICAL CROSS SECTION WYNDELLA ROAD
SCALE 1:100 NATURAL

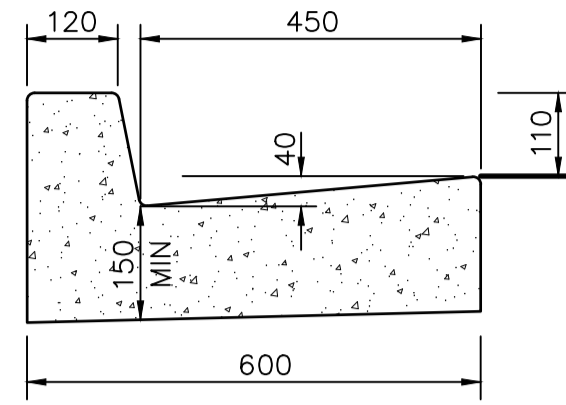


TYPICAL CROSS SECTION MC09(CH0-80m), MC10, MC11(CH12-65m), MC12, MC13, MC14 & MC15
SCALE 1:100 NATURAL

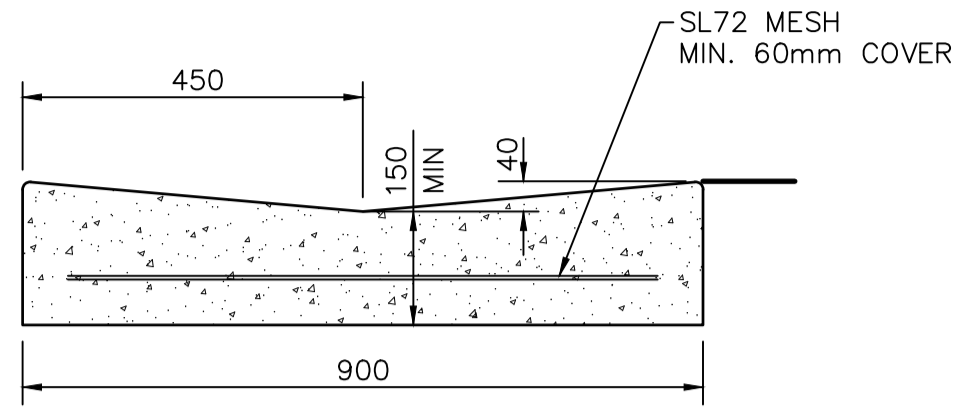
NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT 	PROPERTY DESCRIPTION			PROJECT		
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	0 1 2 3 4 A1 / A3 1:100 / 1:200				CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR			WYNDELLA ROAD LOCHINVAR PLAN TITLE TYPICAL ROAD CROSS SECTIONS: SHEET 2		
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.					SURVEYED ADW Johnson	DATUM GDA94 M.G.A. ZONE 56 A.H.D.	PROJECT No. 240332	DISCIPLINE CENG	NUMBER 222	REV. B

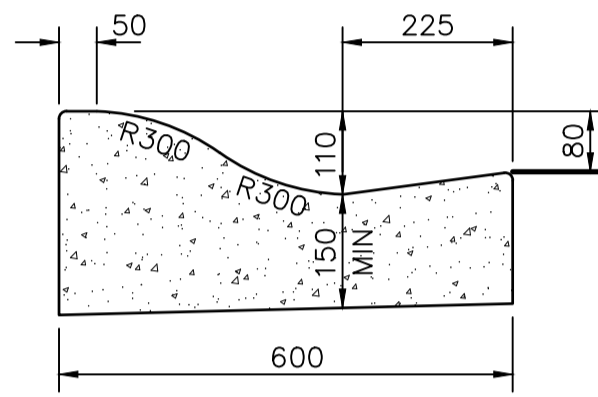
240332-CENG-223(B)



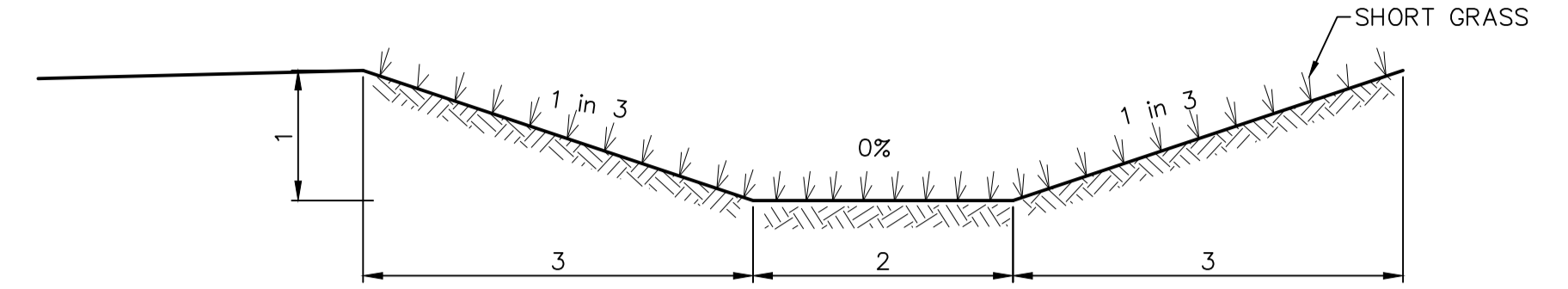
STANDARD KERB & GUTTER
(MODIFIED SA)



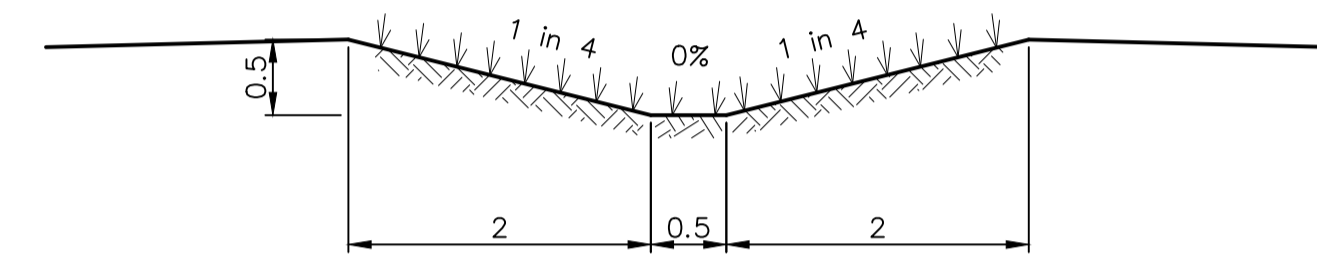
SB DISH GUTTER
(MODIFIED SB)



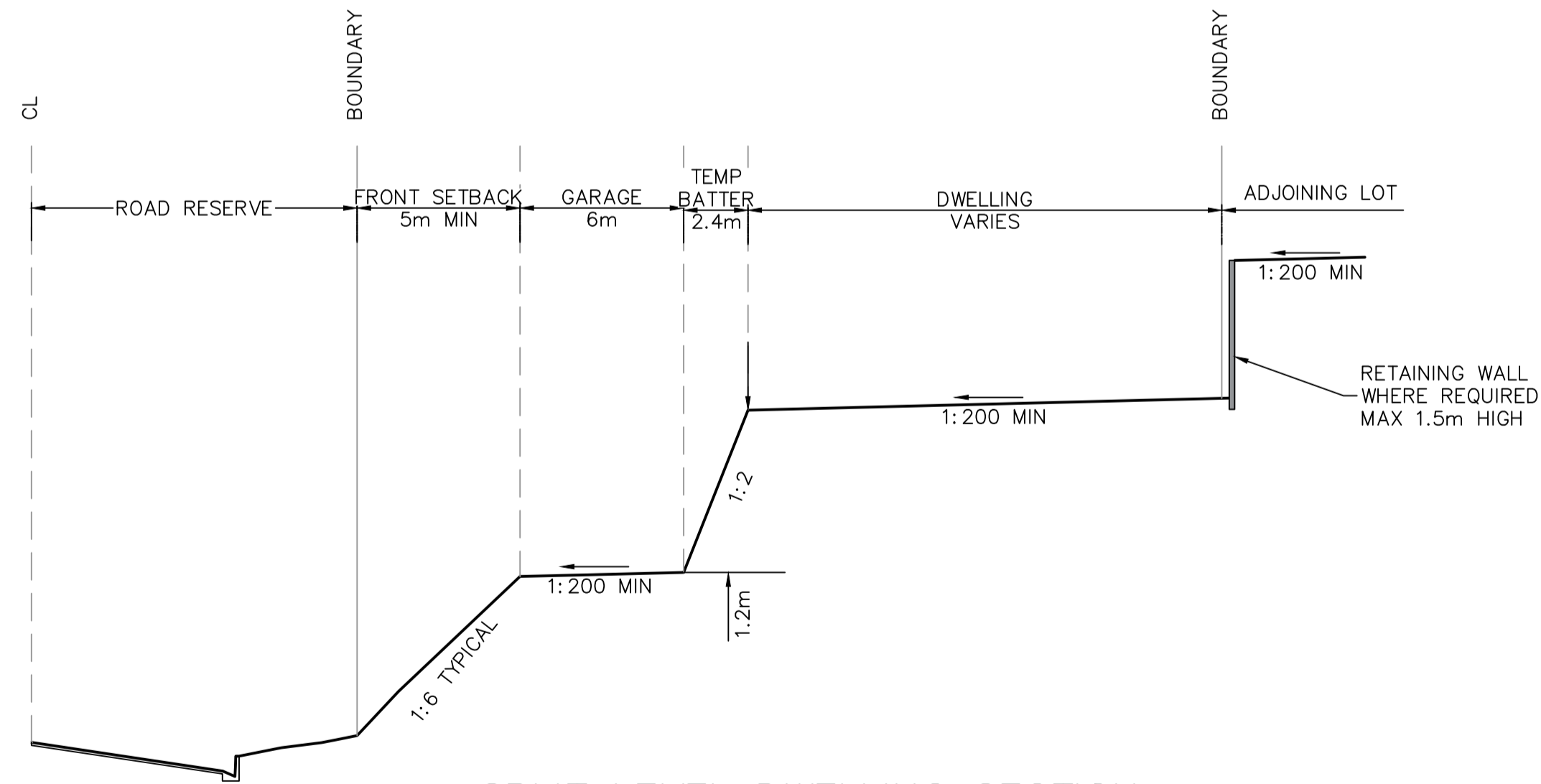
ROLL KERB & GUTTER
(MODIFIED RT)



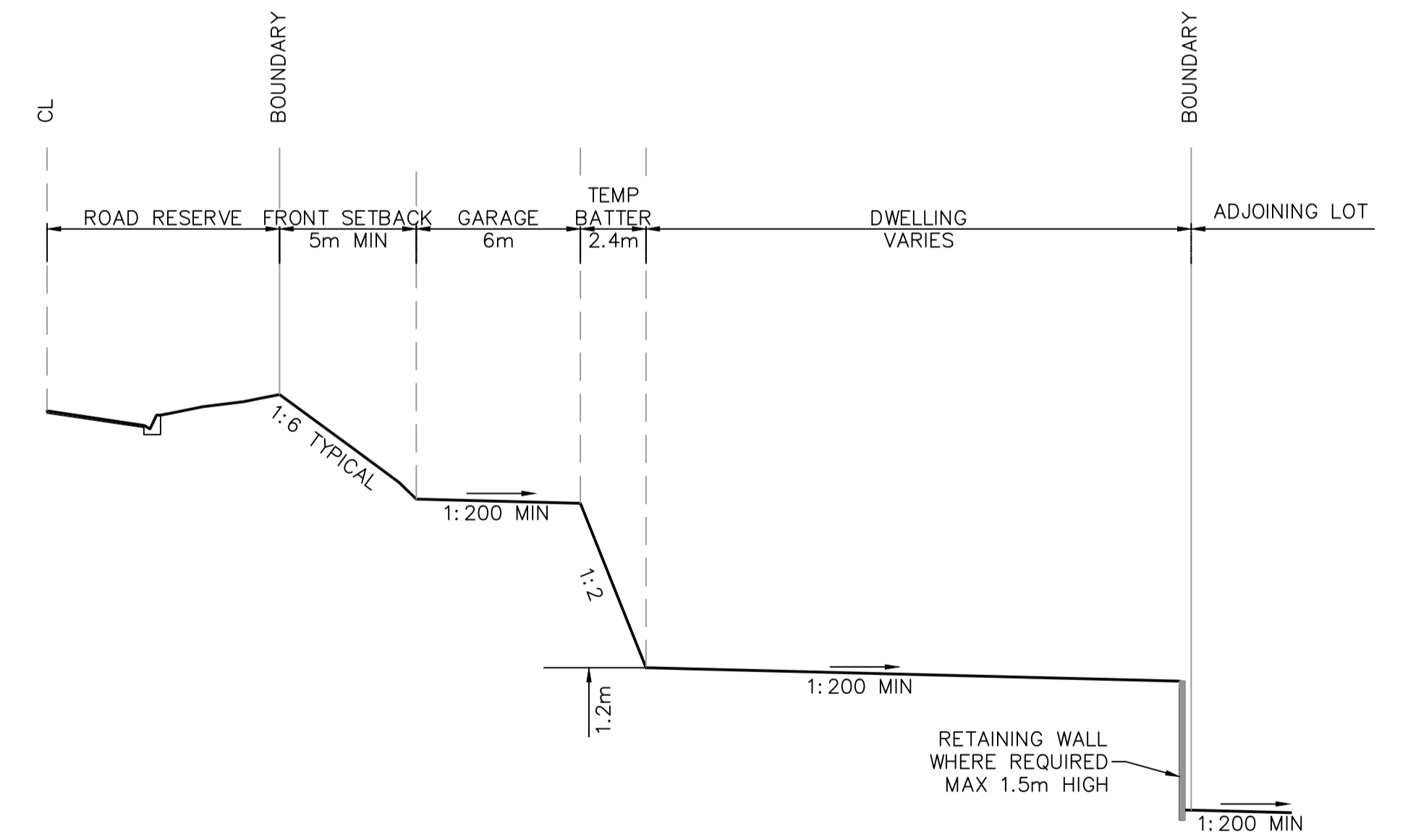
TYPICAL SECTION SOUTHWEST PERIMETER SWALE
SCALE 1:50 NATURAL



TYPICAL SECTION WYNDELLA ROAD SWALE
SCALE 1:50 NATURAL



**SPLIT LEVEL DWELLING SECTION
HIGH OF ROAD**
HORIZONTAL SCALE 1:200
VERTICAL SCALE 1:40



**SPLIT LEVEL DWELLING SECTION
LOW OF ROAD**
HORIZONTAL SCALE 1:200
VERTICAL SCALE 1:40

NOT FOR CONSTRUCTION

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.

SCALES
0 0.2 0.4 0.6 0.8 1.0 2.0 5 10
VERT 1:50 / 1:100
1:40 / 1:80
A1 / A3
HORIZ 1:200 / 1:400
A1 / A3

adw Johnson

Hunter Office
Unit 7/335 Hillsborough Rd
Warners Bay N.S.W. 2282
Phone: (02) 4978 5100
Fax: (02) 4978 5199
email: hunter@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT

CPG ESTATES

PROPERTY DESCRIPTION

CONCEPT ENGINEERING PLANS FOR
PROPOSED SUBDIVISION
LOT 2, 3, 4, 5, 6 & 9 DP747391
& LOT 12 & 13 DP1219648
WYNDELLA ROAD, LOCHINVAR

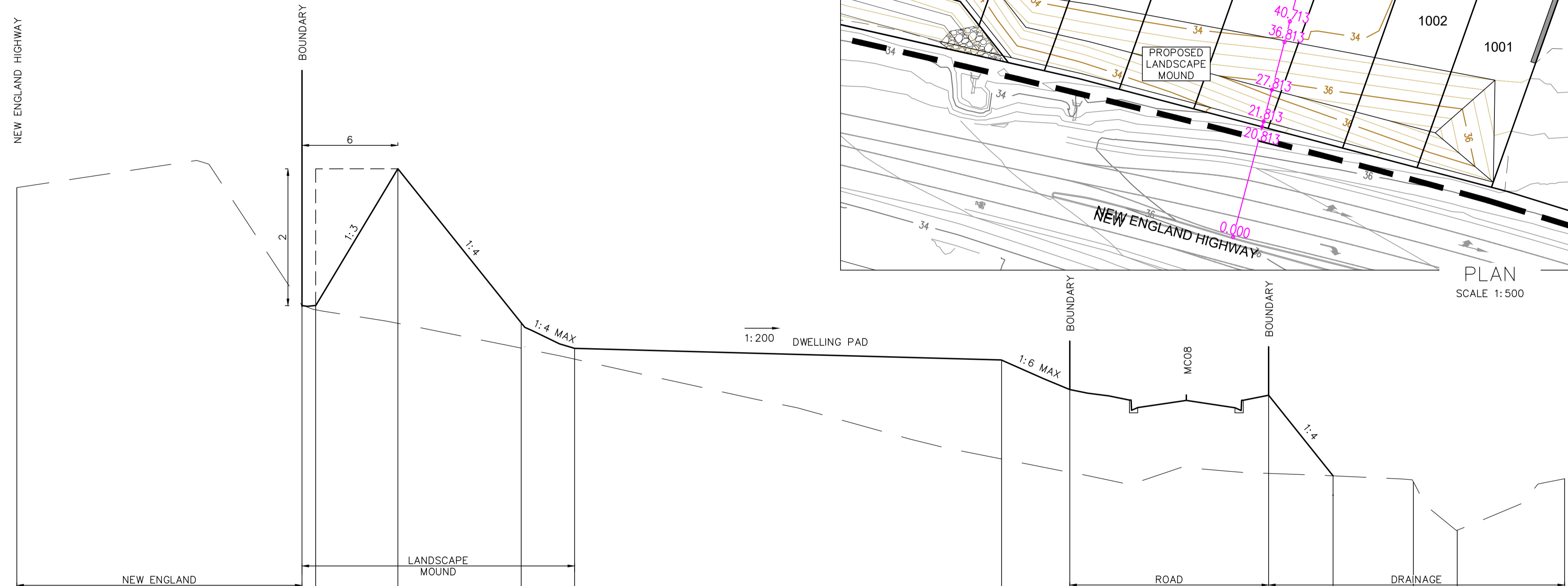
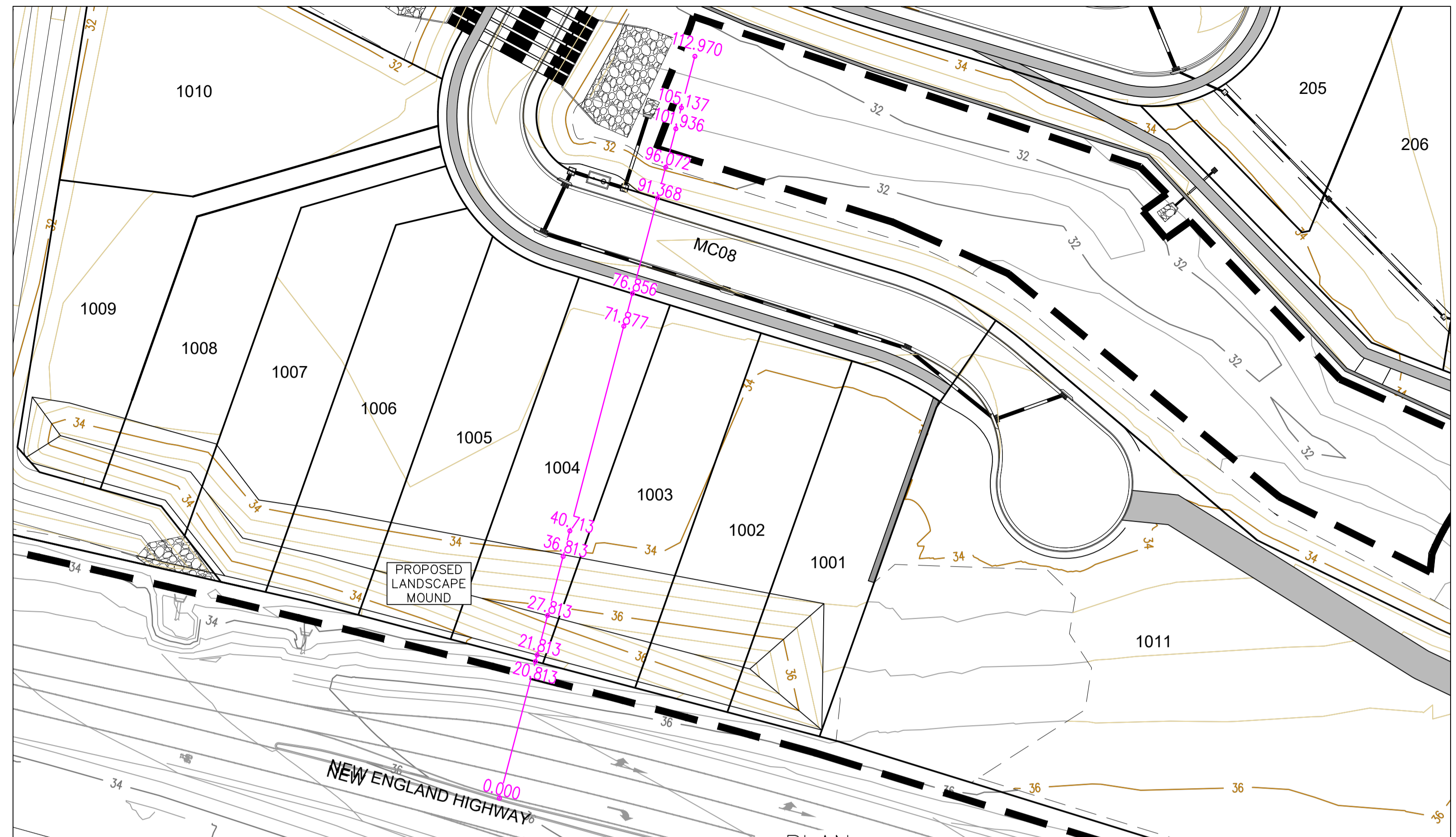
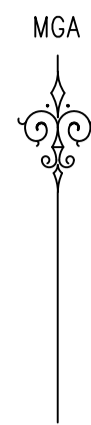
PROJECT	PLAN TITLE
WYNDELLA ROAD LOCHINVAR	TYPICAL DETAILS

SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG	223	B

LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- LIMIT OF CONSTRUCTION
- PROPOSED KERB
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- PROPOSED STORMWATER

CONTOUR INTERVAL = 0.5m



DATUM	28.0													
DESIGN SURFACE														
NATURAL SURFACE														
CUT NEG -														
FILL POS +														
CHAINAGE	0	20.81	21.81	27.81	36.81	40.71	71.88	76.86	91.37	96.07	101.94	105.14	112.97	
		-0.01	0.06	2.26	1.12	0.36	1.64	1.2	1.14	0	-0	-0.02	-2.04	
		34.37	34.37	36.37	34.12	33.75	33.59	33.75	32.13	33.57	31.92	31.88	31.8	31.84
		34.38	34.31	34.11	33.75	33.59	32.13	31.94	31.92	31.88	31.8	31.09		

SITE SECTION- LANDSCAPE MOUND
HORIZONTAL SCALE 1:200
VERTICAL SCALE 1:40

NOT FOR CONSTRUCTION

<table border="1"> <tr> <th>REV.</th> <th>DATE</th> <th>AMENDMENT</th> <th>DRAWN</th> <th>CHECK</th> <th>DESIGN</th> <th>VERIFY</th> <th>SCALES</th> </tr> <tr> <td>A</td> <td>22.03.2023</td> <td>INITIAL ISSUE</td> <td>D.N.</td> <td>M.K.</td> <td>C.L.</td> <td>M.L.</td> <td>0 2.0 4.0 6.0 8.0 1.0 2.0 A1 / A3 1:40 / 1:80</td> </tr> <tr> <td>B</td> <td>21.04.2023</td> <td>MINOR AMENDMENTS</td> <td>D.N.</td> <td>M.K.</td> <td>C.L.</td> <td>M.L.</td> <td>HORIZ 0 5 10 A1 / A3 1:200 / 1:40</td> </tr> </table>	REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	0 2.0 4.0 6.0 8.0 1.0 2.0 A1 / A3 1:40 / 1:80	B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.	HORIZ 0 5 10 A1 / A3 1:200 / 1:40	<p>adw Johnson</p> <p>Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398</p>	<p>CLIENT</p> <p>CPG ESTATES</p>	<p>PROPERTY DESCRIPTION</p> <p>CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR</p>	<p>PROJECT</p> <p>WYNDELLA ROAD LOCHINVAR</p> <p>PLAN TITLE</p> <p>TYPICAL DETAIL LANDSCAPE MOUND</p>	<table border="1"> <tr> <th>SURVEYED</th> <th>DATUM</th> <th>PROJECT No.</th> <th>DISCIPLINE</th> <th>NUMBER</th> <th>REV.</th> </tr> <tr> <td>ADW Johnson</td> <td>GDA94 M.G.A. ZONE 56 A.H.D.</td> <td>240332</td> <td>CENG</td> <td>224</td> <td>B</td> </tr> </table>	SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.	ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG	224	B
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES																																		
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	0 2.0 4.0 6.0 8.0 1.0 2.0 A1 / A3 1:40 / 1:80																																		
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.	HORIZ 0 5 10 A1 / A3 1:200 / 1:40																																		
SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.																																				
ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG	224	B																																				

240332-CENG-501(B)

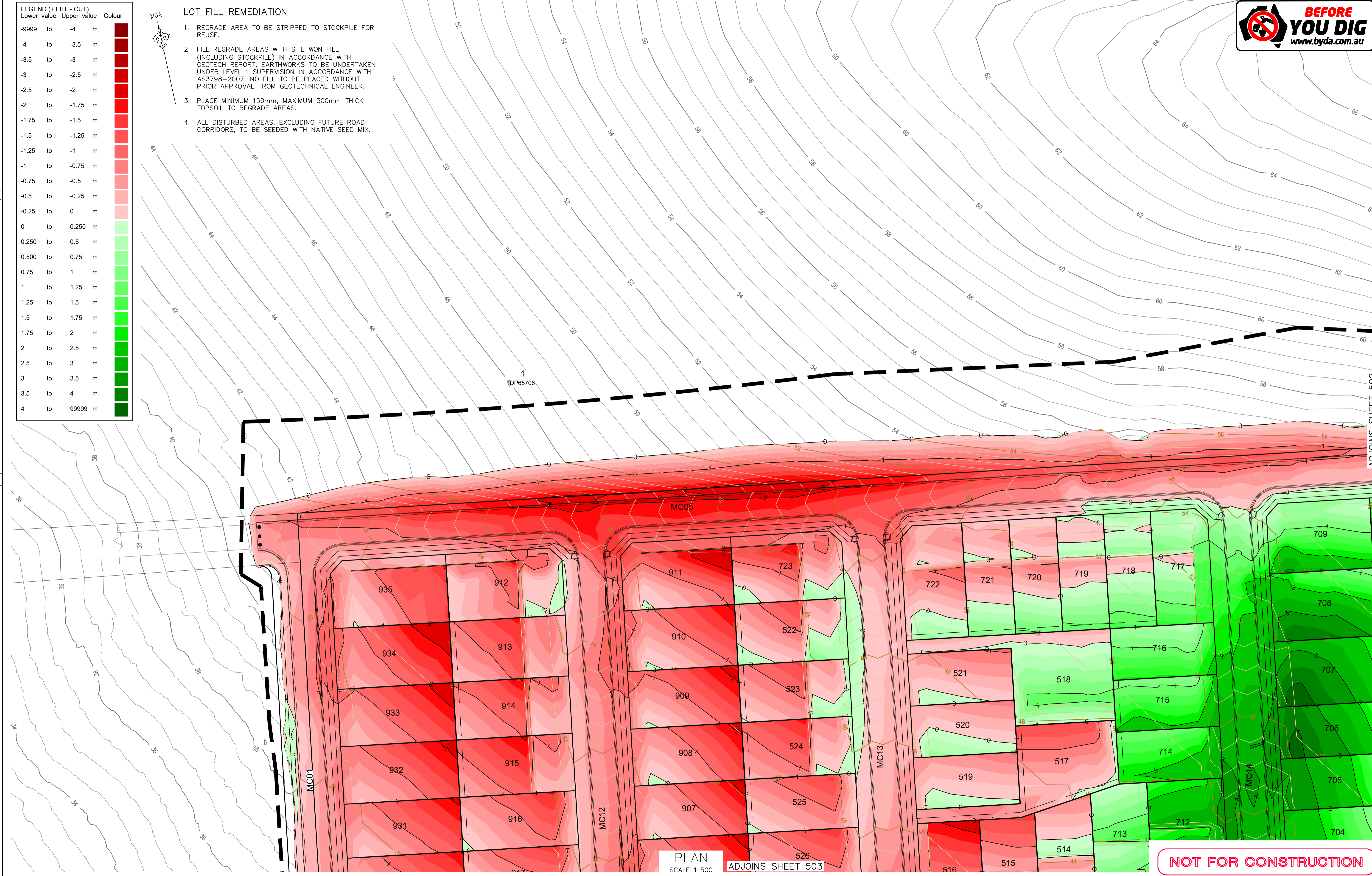
LEGEND (+ FILL - CUT)

Lower_value	Upper_value	Colour
-9999	to -4	m
-4	to -3.5	m
-3.5	to -3	m
-3	to -2.5	m
-2.5	to -2	m
-2	to -1.75	m
-1.75	to -1.5	m
-1.5	to -1.25	m
-1.25	to -1	m
-1	to -0.75	m
-0.75	to -0.5	m
-0.5	to -0.25	m
-0.25	to 0	m
0	to 0.250	m
0.250	to 0.5	m
0.500	to 0.75	m
0.75	to 1	m
1	to 1.25	m
1.25	to 1.5	m
1.5	to 1.75	m
1.75	to 2	m
2	to 2.5	m
2.5	to 3	m
3	to 3.5	m
3.5	to 4	m
4	to 99999	m

MGA

LOT FILL REMEDIATION

1. REGRADE AREA TO BE STRIPPED TO STOCKPILE FOR REUSE.
2. FILL REGRADE AREAS WITH SITE WON FILL (INCLUDING STOCKPILE) IN ACCORDANCE WITH GEOTECH REPORT. EARTHWORKS TO BE UNDERTAKEN UNDER LEVEL 1 SUPERVISION IN ACCORDANCE WITH AS3798-2007. NO FILL TO BE PLACED WITHOUT PRIOR APPROVAL FROM GEOTECHNICAL ENGINEER.
3. PLACE MINIMUM 150mm, MAXIMUM 300mm THICK TOPSOIL TO REGRADE AREAS.
4. ALL DISTURBED AREAS, EXCLUDING FUTURE ROAD CORRIDORS, TO BE SEEDED WITH NATIVE SEED MIX.



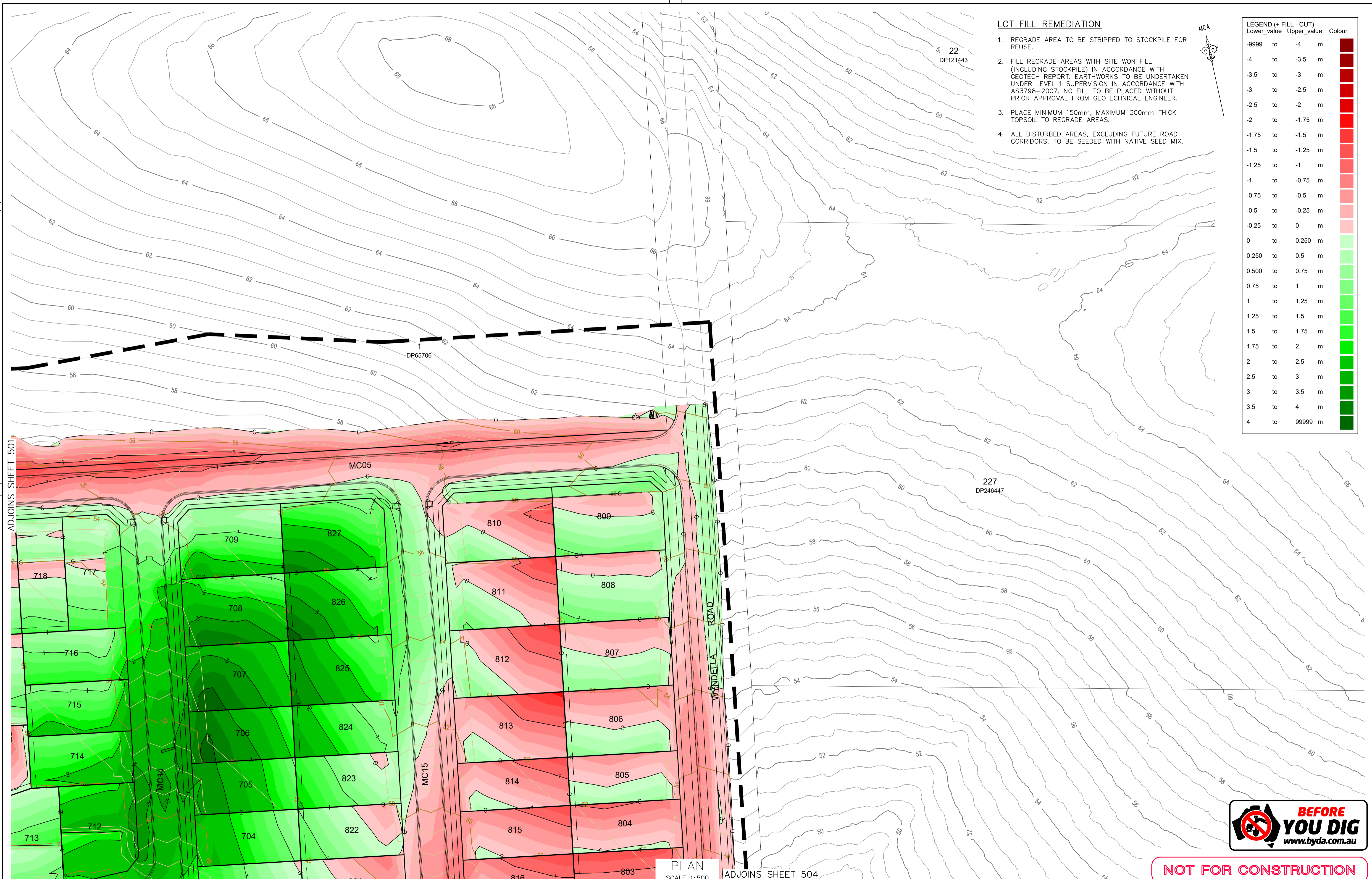
100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

ADJOINS SHEET 502

NOT FOR CONSTRUCTION

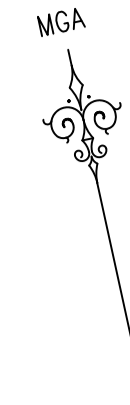
<table border="1"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>AMENDMENT</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>22.03.2023</td> <td>INITIAL ISSUE</td> </tr> <tr> <td>B</td> <td>21.04.2023</td> <td>MINOR AMENDMENTS</td> </tr> </tbody> </table>		REV.	DATE	AMENDMENT	A	22.03.2023	INITIAL ISSUE	B	21.04.2023	MINOR AMENDMENTS	<table border="1"> <thead> <tr> <th>DRAWN</th> <th>CHECK</th> <th>DESIGN</th> <th>VERIFY</th> </tr> </thead> <tbody> <tr> <td>D.N.</td> <td>M.K.</td> <td>C.L.</td> <td>M.L.</td> </tr> <tr> <td>D.N.</td> <td>M.K.</td> <td>C.L.</td> <td>M.L.</td> </tr> </tbody> </table>		DRAWN	CHECK	DESIGN	VERIFY	D.N.	M.K.	C.L.	M.L.	D.N.	M.K.	C.L.	M.L.	<p>SCALES</p>		<p>CLIENT</p> <p>adw Johnson</p> <p>Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398</p>		<p>PROPERTY DESCRIPTION</p> <p>CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR</p>		<p>PROJECT</p> <p>WYNDELLA ROAD LOCHINVAR</p> <p>PLAN TITLE</p> <p>SITE REGRADE PLAN: SHEET 1</p>	
REV.	DATE	AMENDMENT																														
A	22.03.2023	INITIAL ISSUE																														
B	21.04.2023	MINOR AMENDMENTS																														
DRAWN	CHECK	DESIGN	VERIFY																													
D.N.	M.K.	C.L.	M.L.																													
D.N.	M.K.	C.L.	M.L.																													
DESIGN FILE N:\240332\Design\12D\		ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE		<table border="1"> <tr> <th>SURVEYED</th> <th>DATUM</th> <th>PROJECT No.</th> <th>DISCIPLINE</th> <th>NUMBER</th> <th>REV.</th> </tr> <tr> <td>ADW Johnson</td> <td>GDA94 M.G.A. ZONE 56 A.H.D.</td> <td>240332</td> <td>CENG</td> <td>501</td> <td>B</td> </tr> </table>		SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.	ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG	501	B	Plotted By: jersonf Plot Date: 21/04/23 - 14:52 Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-501(B).dwg														
SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.																											
ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG	501	B																											

240332-CENG-502(B)



LOT FILL REMEDIATION

1. REGRADE AREA TO BE STRIPPED TO STOCKPILE FOR REUSE.
2. FILL REGRADE AREAS WITH SITE WON FILL (INCLUDING STOCKPILE) IN ACCORDANCE WITH GEOTECH REPORT. EARTHWORKS TO BE UNDERTAKEN UNDER LEVEL 1 SUPERVISION IN ACCORDANCE WITH AS3798-2007. NO FILL TO BE PLACED WITHOUT PRIOR APPROVAL FROM GEOTECHNICAL ENGINEER.
3. PLACE MINIMUM 150mm, MAXIMUM 300mm THICK TOPSOIL TO REGRADE AREAS.
4. ALL DISTURBED AREAS, EXCLUDING FUTURE ROAD CORRIDORS, TO BE SEEDD WITH NATIVE SEED MIX.



Lower_value	Upper_value	Colour
-9999	to -4	m
-4	to -3.5	m
-3.5	to -3	m
-3	to -2.5	m
-2.5	to -2	m
-2	to -1.75	m
-1.75	to -1.5	m
-1.5	to -1.25	m
-1.25	to -1	m
-1	to -0.75	m
-0.75	to -0.5	m
-0.5	to -0.25	m
-0.25	to 0	m
0	to 0.250	m
0.250	to 0.5	m
0.500	to 0.75	m
0.75	to 1	m
1	to 1.25	m
1.25	to 1.5	m
1.5	to 1.75	m
1.75	to 2	m
2	to 2.5	m
2.5	to 3	m
3	to 3.5	m
3.5	to 4	m
4	to 99999	m

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

ADJOINS SHEET 501

WYNDELLA ROAD

ADJOINS SHEET 504

PLAN
SCALE 1:500

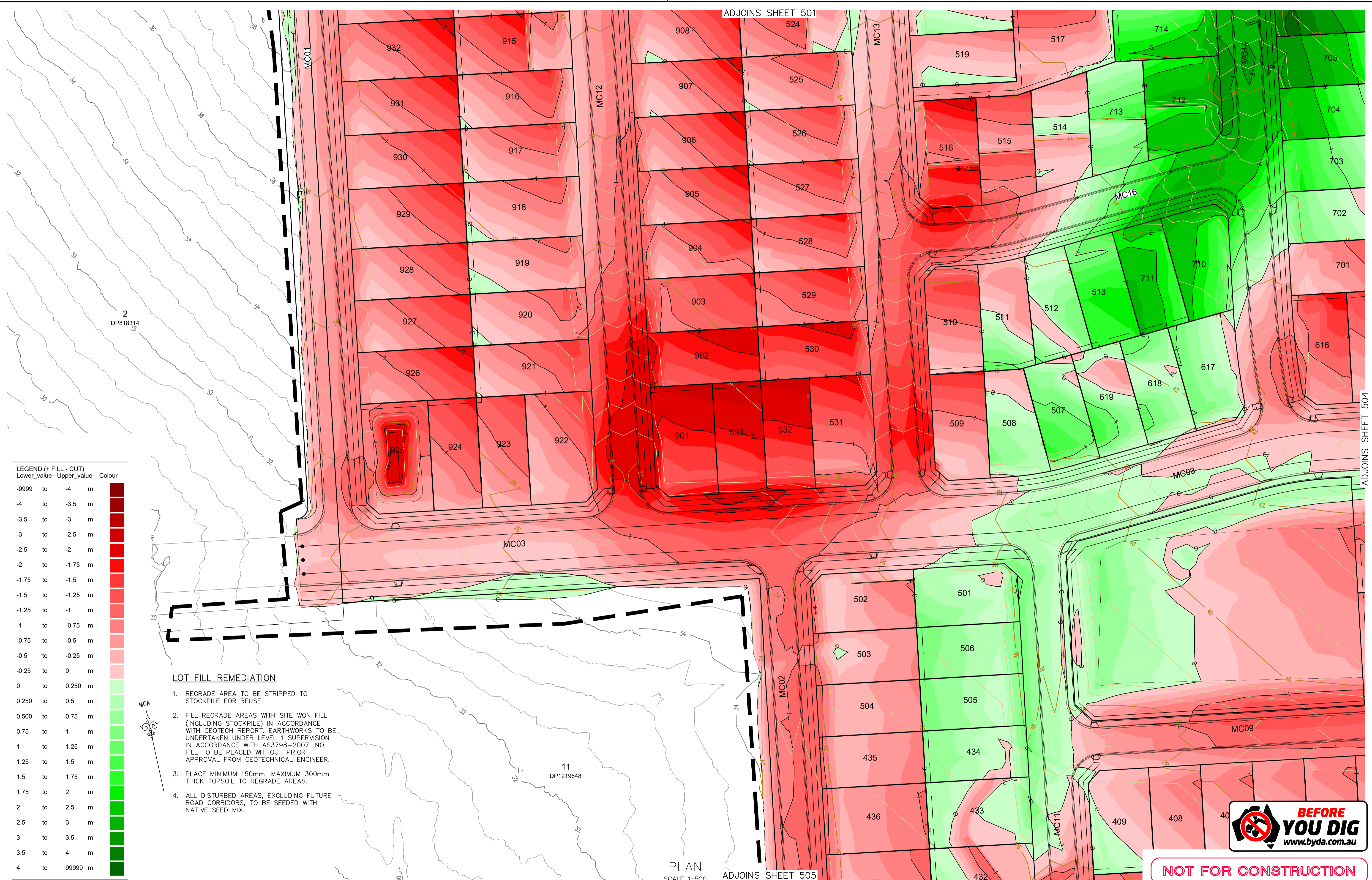


NOT FOR CONSTRUCTION

REV. DATE AMENDMENT	DRAWN CHECK DESIGN VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT
A 22.03.2023 INITIAL ISSUE B 21.04.2023 MINOR AMENDMENTS	D.N. M.K. C.L. M.L. D.N. M.K. C.L. M.L.	0 10 20 A1 / A3 1:500 / 1:1000	Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	WYNDELLA ROAD LOCHINVAR PLAN TITLE SITE REGRADE PLAN: SHEET 2
DESIGN FILE N:\240332\Design\12D\	ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE		CPG ESTATES	SURVEYED ADW Johnson	DATUM GDA94 M.G.A. ZONE 56 A.H.D.
Plotted By: jersonf Plot Date: 21/04/23 - 14:52 Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-502(B).dwg				PROJECT No. 240332	DISCIPLINE CENG NUMBER 502 REV. B

240332-CENG-503(B)

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.



LEGEND (+ FILL - CUT)

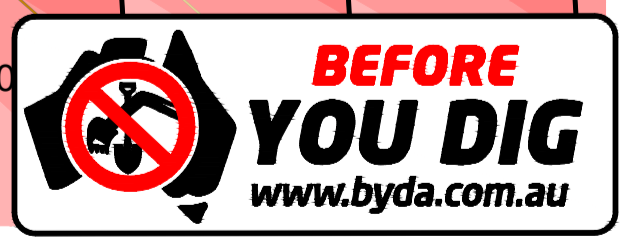
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-3.5	to -3	m
-3	to -2.5	m
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-2	to -1.75	m
-1.75	to -1.5	m
-1.5	to -1.25	m
-1.25	to -1	m
-1	to -0.75	m
-0.75	to -0.5	m
-0.5	to -0.25	m
-0.25	to 0	m
0	to 0.250	m
0.250	to 0.5	m
0.500	to 0.75	m
0.75	to 1	m
1	to 1.25	m
1.25	to 1.5	m
1.5	to 1.75	m
1.75	to 2	m
2	to 2.5	m
2.5	to 3	m
3	to 3.5	m
3.5	to 4	m
4	to 99999	m

LOT FILL REMEDIATION

1. REGRADE AREA TO BE STRIPPED TO STOCKPILE FOR REUSE.
2. FILL REGRADE AREAS WITH SITE WON FILL (INCLUDING STOCKPILE) IN ACCORDANCE WITH GEOTECH REPORT. EARTHWORKS TO BE UNDERTAKEN UNDER LEVEL 1 SUPERVISION IN ACCORDANCE WITH AS3798-2007. NO FILL TO BE PLACED WITHOUT PRIOR APPROVAL FROM GEOTECHNICAL ENGINEER.
3. PLACE MINIMUM 150mm, MAXIMUM 300mm THICK TOPSOIL TO REGRADE AREAS.
4. ALL DISTURBED AREAS, EXCLUDING FUTURE ROAD CORRIDORS, TO BE SEEDD WITH NATIVE SEED MIX.



PLAN SCALE 1:500 ADJOINS SHEET 505



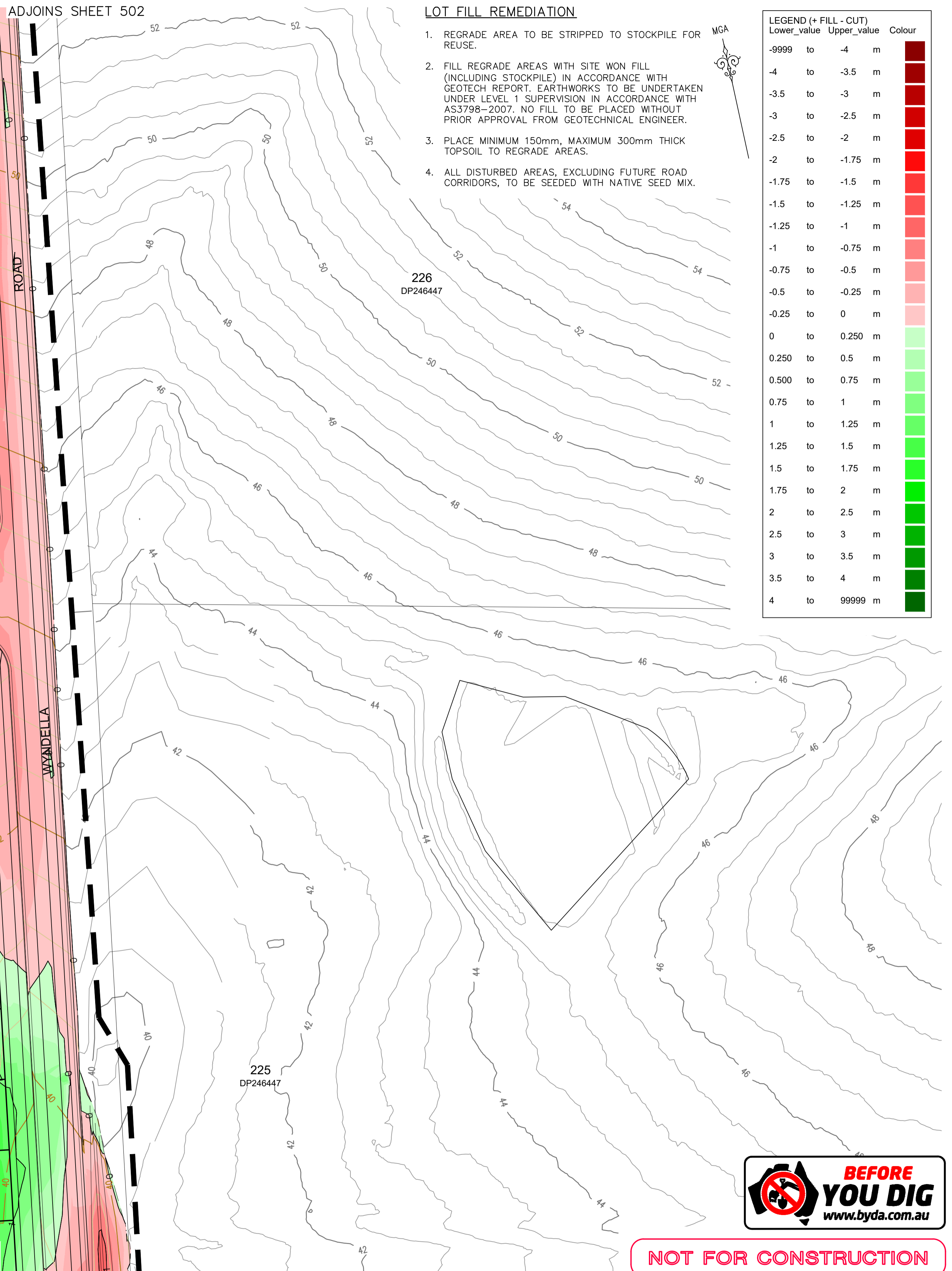
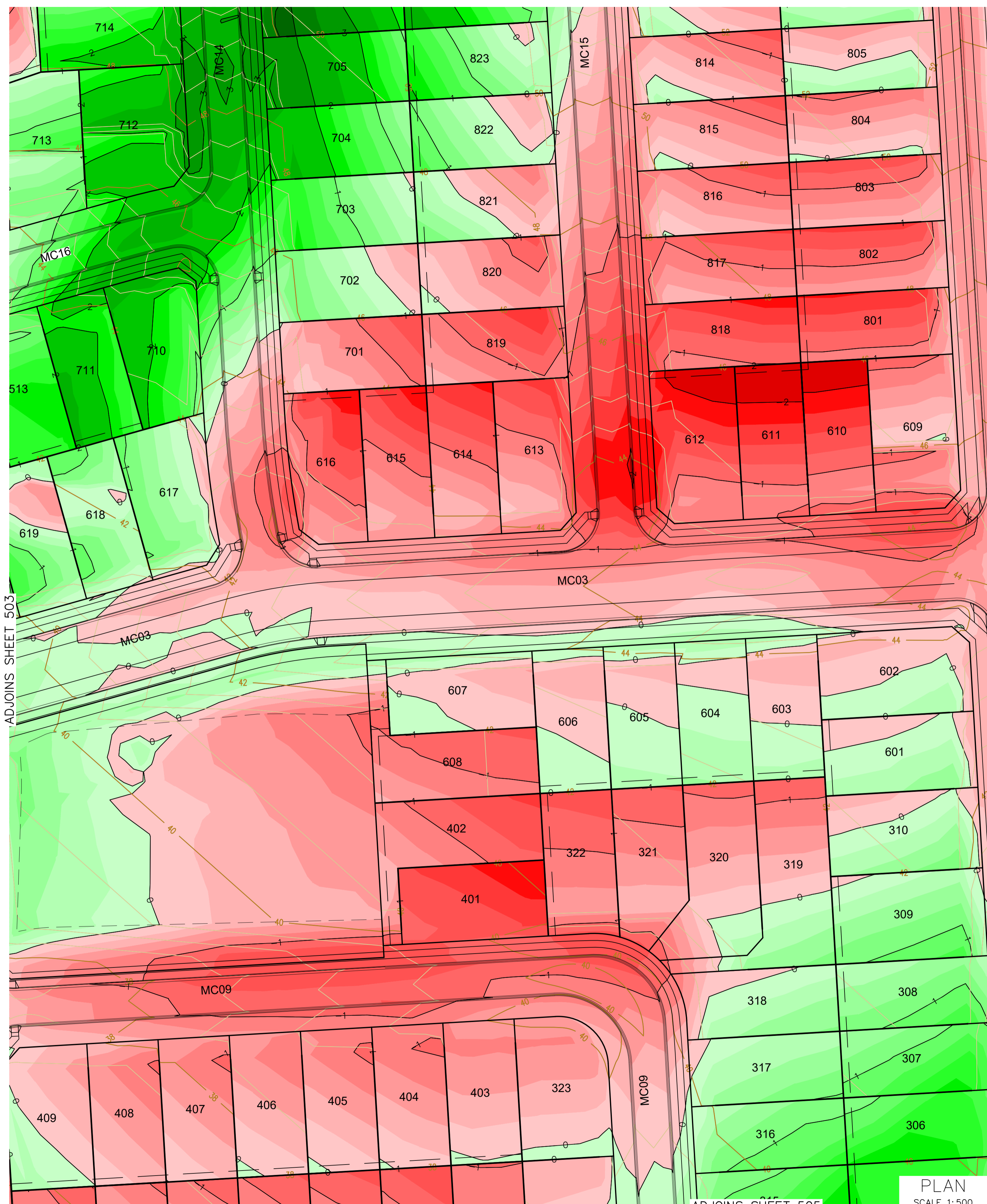
NOT FOR CONSTRUCTION

REV. DATE AMENDMENT	DRAWN CHECK DESIGN VERIFY	SCALES	Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT	PROPERTY DESCRIPTION CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	PROJECT WYNDELLA ROAD LOCHINVAR PLAN TITLE SITE REGRADE PLAN: SHEET 3
A 22.03.2023 INITIAL ISSUE B 21.04.2023 MINOR AMENDMENTS	D.N. M.K. C.L. M.L. D.N. M.K. C.L. M.L.	0 10 20 A1 / A3 1:500 / 1:1000	adw Johnson	CPG ESTATES		
DESIGN FILE N:\240332\Design\12D\		ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE		SURVEYED ADW Johnson		DATUM GDA94 M.G.A. ZONE 56 A.H.D.
Plotted By: jersonf Plot Date: 21/04/23 - 14:52		Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-503(B).dwg		PROJECT No. 240332		DISCIPLINE - CENG NUMBER - 503 REV. B

240332-CENG-504(B)

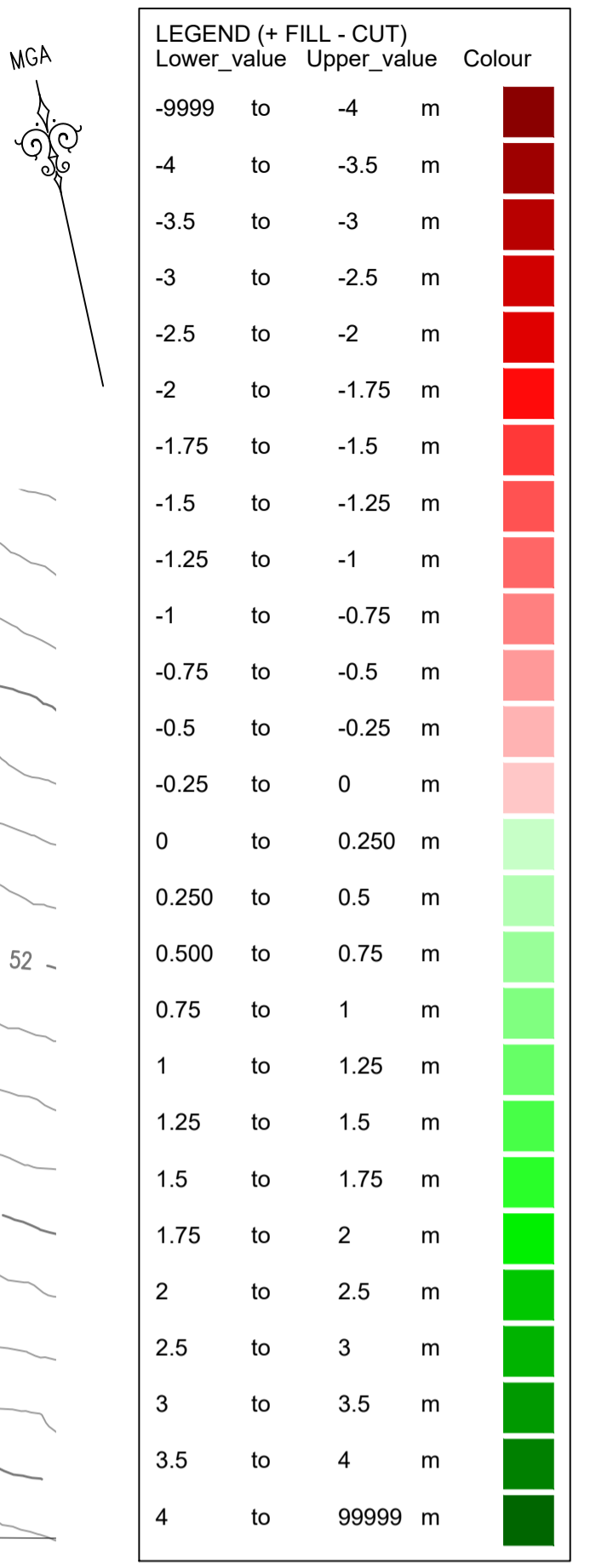
ADJOINS SHEET 503

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.



LOT FILL REMEDIATION

1. REGRADE AREA TO BE STRIPPED TO STOCKPILE FOR REUSE.
2. FILL REGRADE AREAS WITH SITE WON FILL (INCLUDING STOCKPILE) IN ACCORDANCE WITH GEOTECH REPORT. EARTHWORKS TO BE UNDERTAKEN UNDER LEVEL 1 SUPERVISION IN ACCORDANCE WITH AS3798-2007. NO FILL TO BE PLACED WITHOUT PRIOR APPROVAL FROM GEOTECHNICAL ENGINEER.
3. PLACE MINIMUM 150mm, MAXIMUM 300mm THICK TOPSOIL TO REGRADE AREAS.
4. ALL DISTURBED AREAS, EXCLUDING FUTURE ROAD CORRIDORS, TO BE SEEDED WITH NATIVE SEED MIX.



PLAN
SCALE 1:500

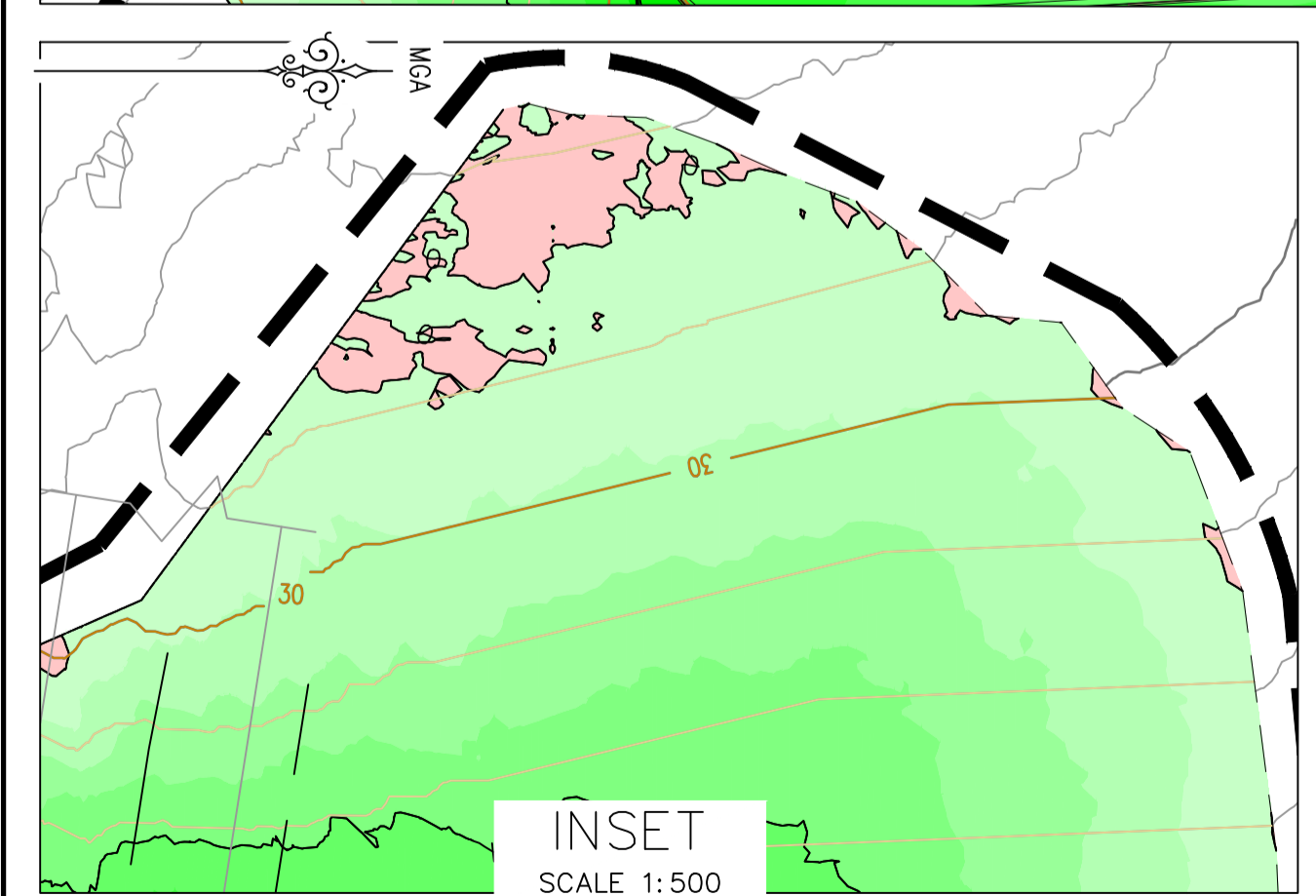
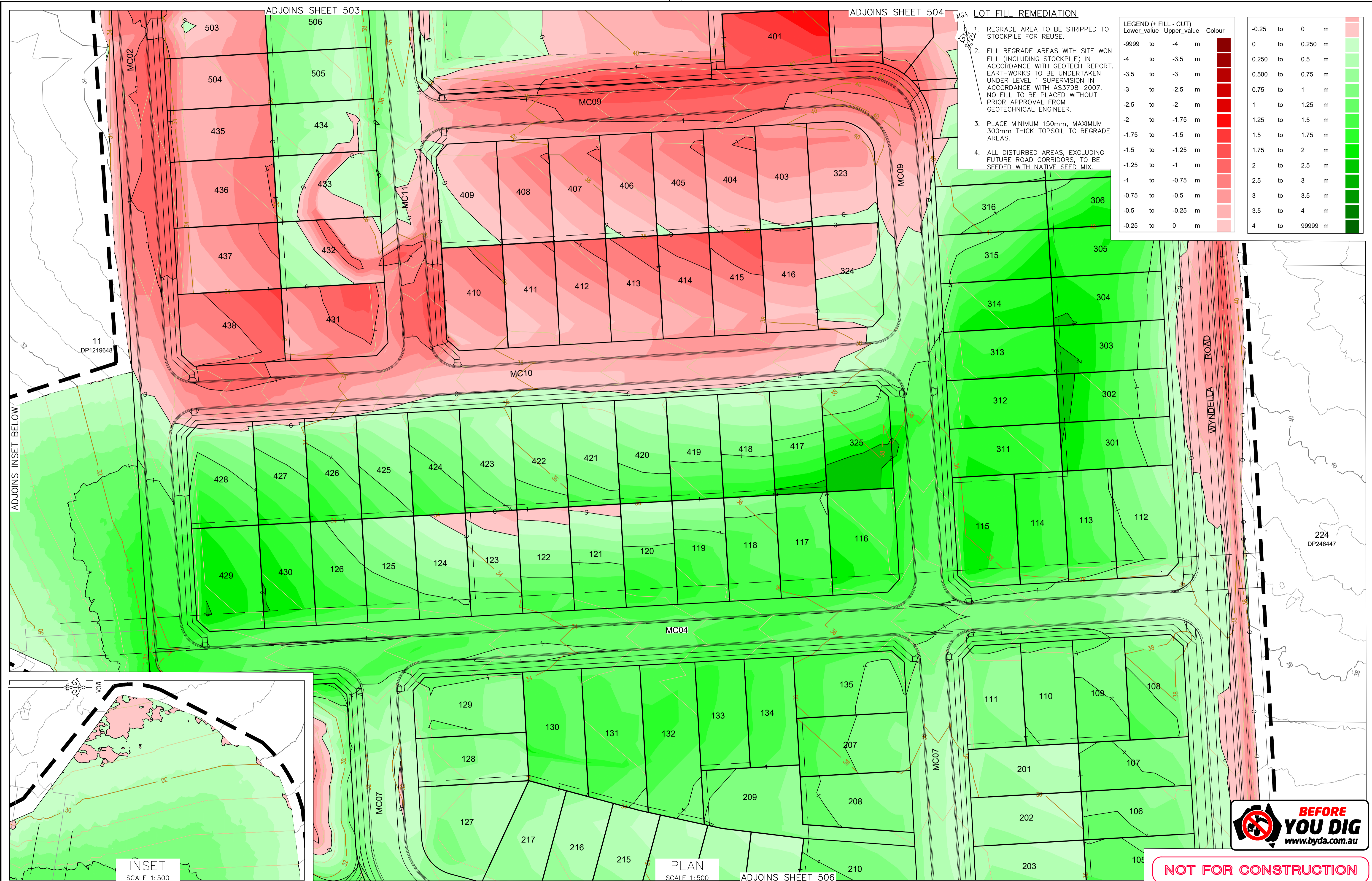


NOT FOR CONSTRUCTION

REV. A 22.03.2023 INITIAL ISSUE B 21.04.2023 MINOR AMENDMENTS		DRAWN D.N. M.K. C.L. M.L.		CHECK D.N. M.K. C.L. M.L.		DESIGN C.L. M.L.		VERIFY M.L.		SCALES 0 10 20 A1 / A3 1:500 / 1:1000		CLIENT Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398		PROPERTY DESCRIPTION CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR		PROJECT WYNDELLA ROAD LOCHINVAR PLAN TITLE SITE REGRADE PLAN: SHEET 5			
DESIGN FILE N:\240332\Design\12D\ Plotted By: jersonf Plot Date: 21/04/23 - 14:52 Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-504(B).dwg		ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE						SURVEYED ADW Johnson		DATUM GDA94 M.G.A. ZONE 56 A.H.D.		PROJECT No. 240332		DISCIPLINE CENG		NUMBER 504		REV. B	

240332-CENG-505(B)

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REV.	DATE	AMENDMENT
A	22.03.2023	INITIAL ISSUE
B	21.04.2023	MINOR AMENDMENTS

DRAWN	CHECK	DESIGN	VERIFY
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D.N.	M.K.	C.L.	M.L.

SCALES
0 10 20 A1 / A3 1:500 / 1:1000

ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE

adw Johnson

Hunter Office
Unit 7/335 Hillsborough Rd
Warners Bay N.S.W. 2282
Phone: (02) 4978 5100
Fax: (02) 4978 5199
email: hunter@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CPG ESTATES

CLIENT

PROPERTY DESCRIPTION
CONCEPT ENGINEERING PLANS FOR
PROPOSED SUBDIVISION
LOT 2, 3, 4, 5, 6 & 9 DP747391
& LOT 12 & 13 DP1219648
WYNDELLA ROAD, LOCHINVAR

PROJECT	PLAN TITLE
WYNDELLA ROAD LOCHINVAR	SITE REGRADE PLAN: SHEET 5
PROJECT No. 240332	DISCIPLINE - CENG
NUMBER - 505	REV. B

240332-CENG-506(B)

ADJOINS SHEET 505



100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.

FUTURE WYNDELLA ROAD INTERSECTION UPGRADE DOCUMENTED BY OTHERS

223 DP246447



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT
A	22.03.2023	INITIAL ISSUE
B	21.04.2023	MINOR AMENDMENTS

DRAWN	CHECK	DESIGN	VERIFY
D.N.	M.K.	C.L.	M.L.
D.N.	M.K.	C.L.	M.L.

SCALES
0 10 20 A1 / A3 1:500 / 1:1000

adw Johnson
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CPG ESTATES
CLIENT

PROPERTY DESCRIPTION
CONCEPT ENGINEERING PLANS FOR
PROPOSED SUBDIVISION
LOT 2, 3, 4, 5, 6 & 9 DP747391
& LOT 12 & 13 DP1219648
WYNDELLA ROAD, LOCHINVAR

PROJECT	PLAN TITLE
WYNDELLA ROAD LOCHINVAR	SITE REGRADE PLAN: SHEET 6

SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG	506	B

240332-CENG-511(B)

100mm AT FULL SIZE
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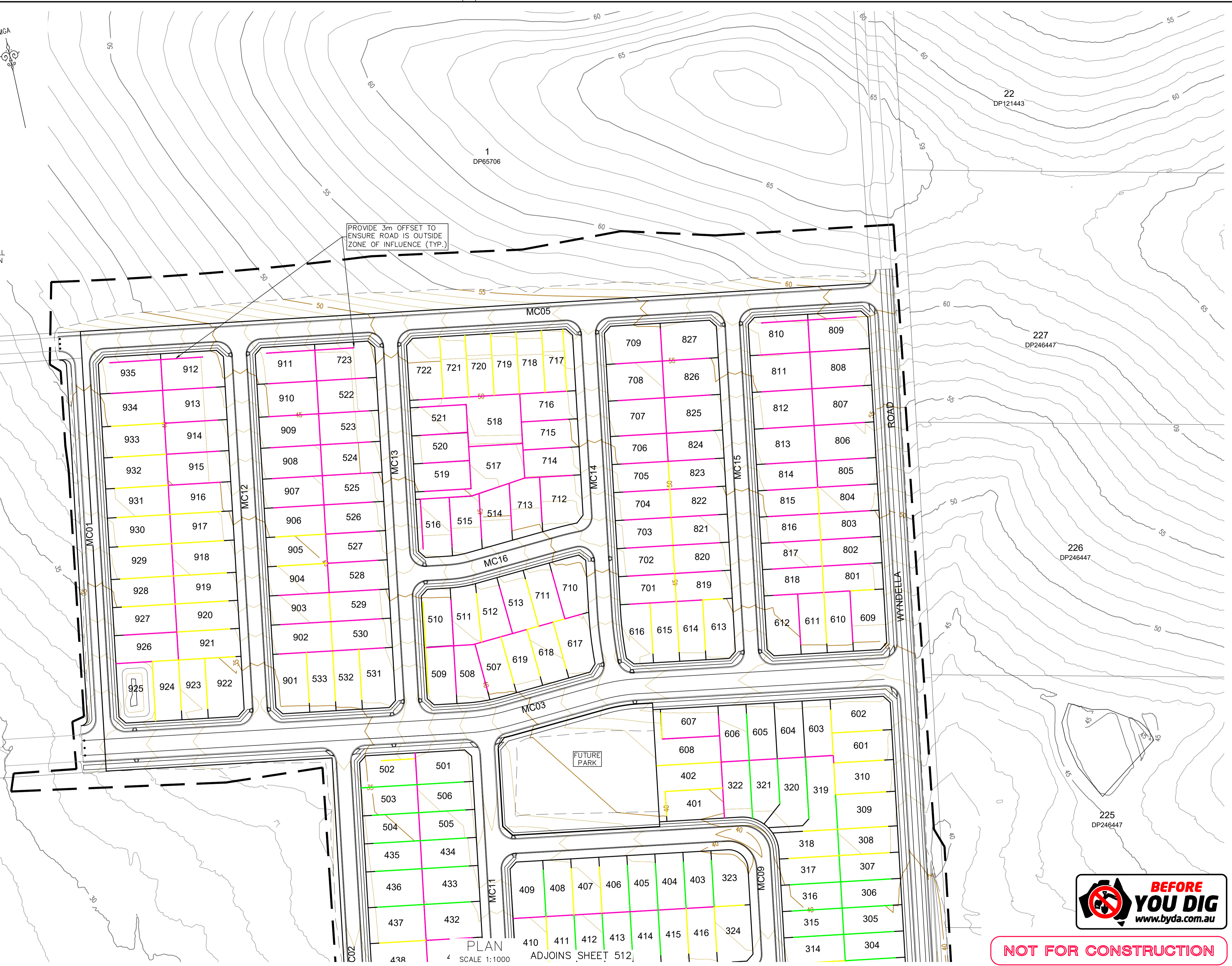
LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- LIMIT OF CONSTRUCTION
- PROPOSED KERB
- 60.50 PAD LEVEL
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- PROPOSED RETAINING WALL 0.0-0.5m
- PROPOSED RETAINING WALL 0.5-1.0m
- PROPOSED RETAINING WALL 1.0-1.5m

CONTOUR INTERVAL = 1m

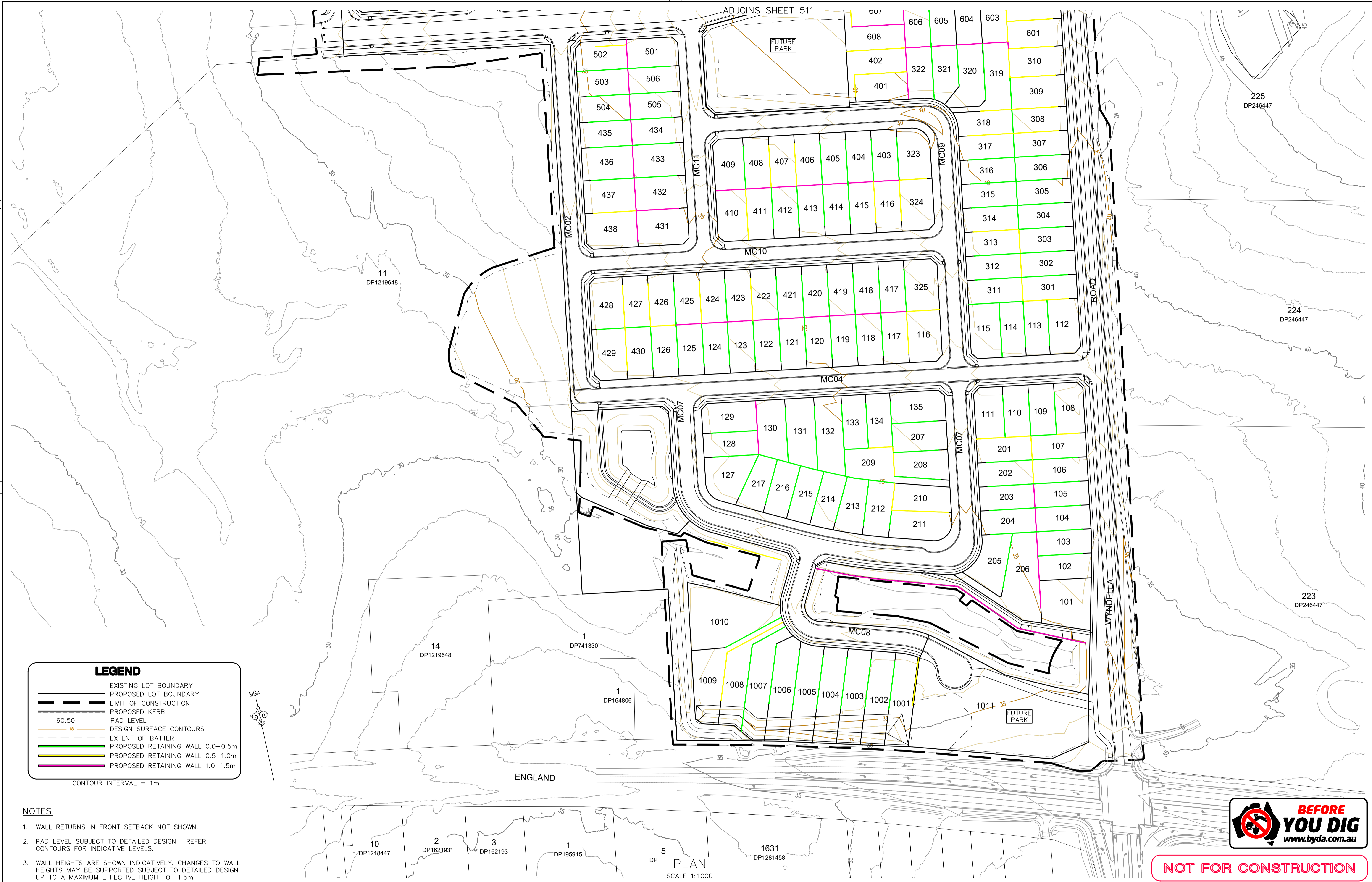
- NOTES**
- WALL RETURNS IN FRONT SETBACK NOT SHOWN.
 - PAD LEVEL SUBJECT TO DETAILED DESIGN . REFER CONTOURS FOR INDICATIVE LEVELS.
 - WALL HEIGHTS ARE SHOWN INDICATIVELY. CHANGES TO WALL HEIGHTS MAY BE SUPPORTED SUBJECT TO DETAILED DESIGN UP TO A MAXIMUM EFFECTIVE HEIGHT OF 1.5m

PROVIDE 3m OFFSET TO ENSURE ROAD IS OUTSIDE ZONE OF INFLUENCE (TYP.)



NOT FOR CONSTRUCTION

REV. A 22.03.2023 INITIAL ISSUE B 21.04.2023 MINOR AMENDMENTS		DRAWN CHECK DESIGN VERIFY D.N. M.K. C.L. M.L. D.N. M.K. C.L. M.L.		SCALES 0 10 20 30 40 A1 / A3 1:1000 / 1:2000				CLIENT Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398		PROPERTY DESCRIPTION CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR		PROJECT WYNDELLA ROAD LOCHINVAR PLAN TITLE PAD LEVEL & RETAINING WALL PLAN: SHEET 1							
DESIGN FILE N:\240332\Design\12D\		ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE				CPG ESTATES		SURVEYED ADW Johnson		DATUM GDA94 M.G.A. ZONE 56 A.H.D.		PROJECT No. 240332		DISCIPLINE CENG		NUMBER 511		REV. B	



LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- LIMIT OF CONSTRUCTION
- PROPOSED KERB
- PAD LEVEL
- 60.50 DESIGN SURFACE CONTOURS
- 18 EXTENT OF BATTER
- PROPOSED RETAINING WALL 0.0-0.5m
- PROPOSED RETAINING WALL 0.5-1.0m
- PROPOSED RETAINING WALL 1.0-1.5m

CONTOUR INTERVAL = 1m

- NOTES**
1. WALL RETURNS IN FRONT SETBACK NOT SHOWN.
 2. PAD LEVEL SUBJECT TO DETAILED DESIGN . REFER CONTOURS FOR INDICATIVE LEVELS.
 3. WALL HEIGHTS ARE SHOWN INDICATIVELY. CHANGES TO WALL HEIGHTS MAY BE SUPPORTED SUBJECT TO DETAILED DESIGN UP TO A MAXIMUM EFFECTIVE HEIGHT OF 1.5m

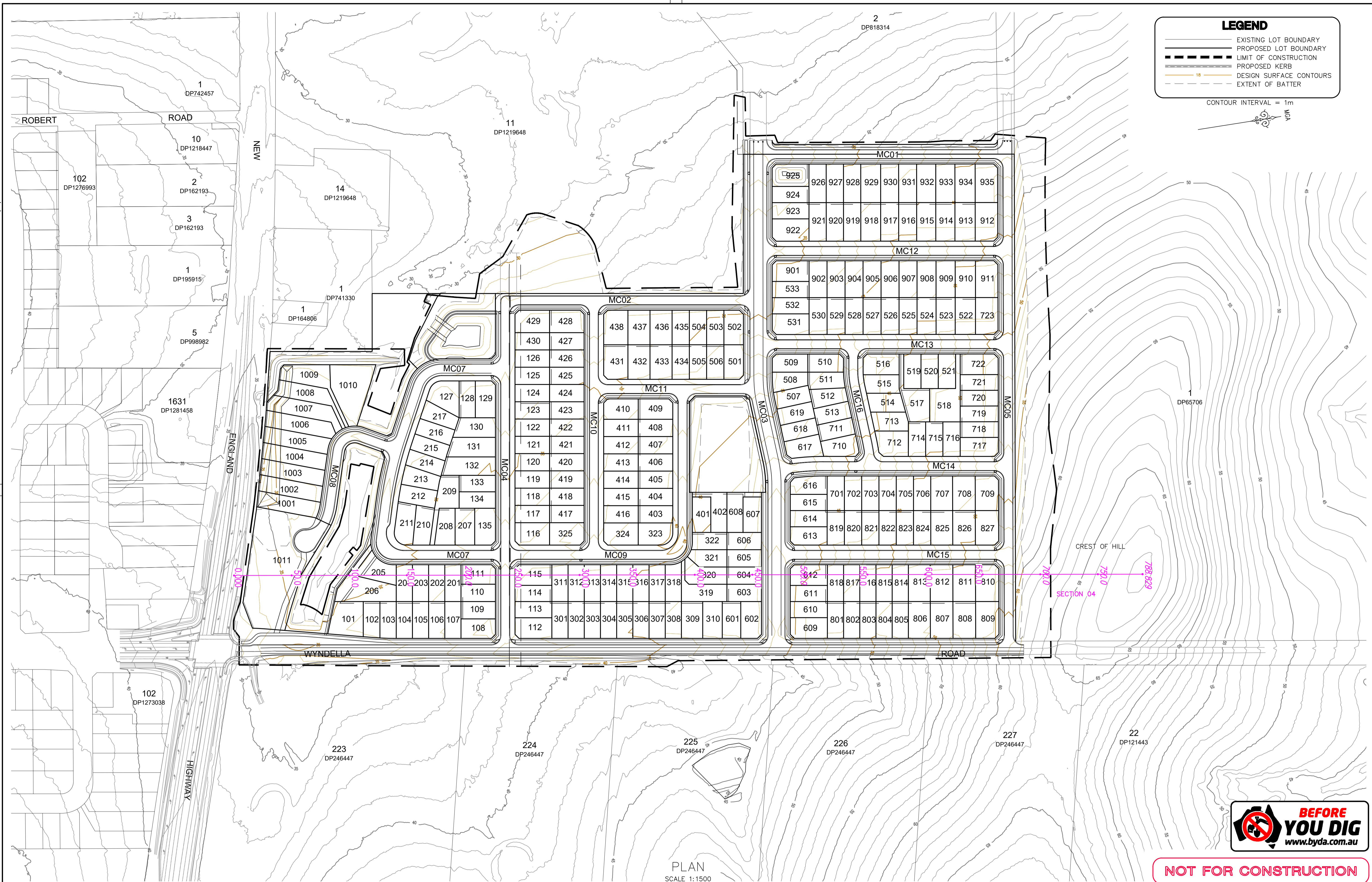


NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT				
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	0 10 20 30 40 A1 / A3 1:1000 / 1:2000	Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	WYNDELLA ROAD LOCHINVAR				
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.		CPG ESTATES		PLAN TITLE PAD LEVEL & RETAINING WALL PLAN: SHEET 2				
DESIGN FILE N:\240332\Design\12D\			ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE					SURVEYED ADW Johnson		DATUM GDA94 M.G.A. ZONE 56 A.H.D.	PROJECT No. 240332	DISCIPLINE CENG	NUMBER 512	REV. B

240332-CENG-521(B)

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured red.



LEGEND

- EXISTING LOT BOUNDARY
- - - PROPOSED LOT BOUNDARY
- LIMIT OF CONSTRUCTION
- PROPOSED KERB
- 1:8 DESIGN SURFACE CONTOURS
- - - EXTENT OF BATTER

CONTOUR INTERVAL = 1m

PLAN
SCALE 1:1500



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.

SCALE
0 15 30 45 60 A1 / A3 1:1500 / 1:3000

ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE

adw Johnson

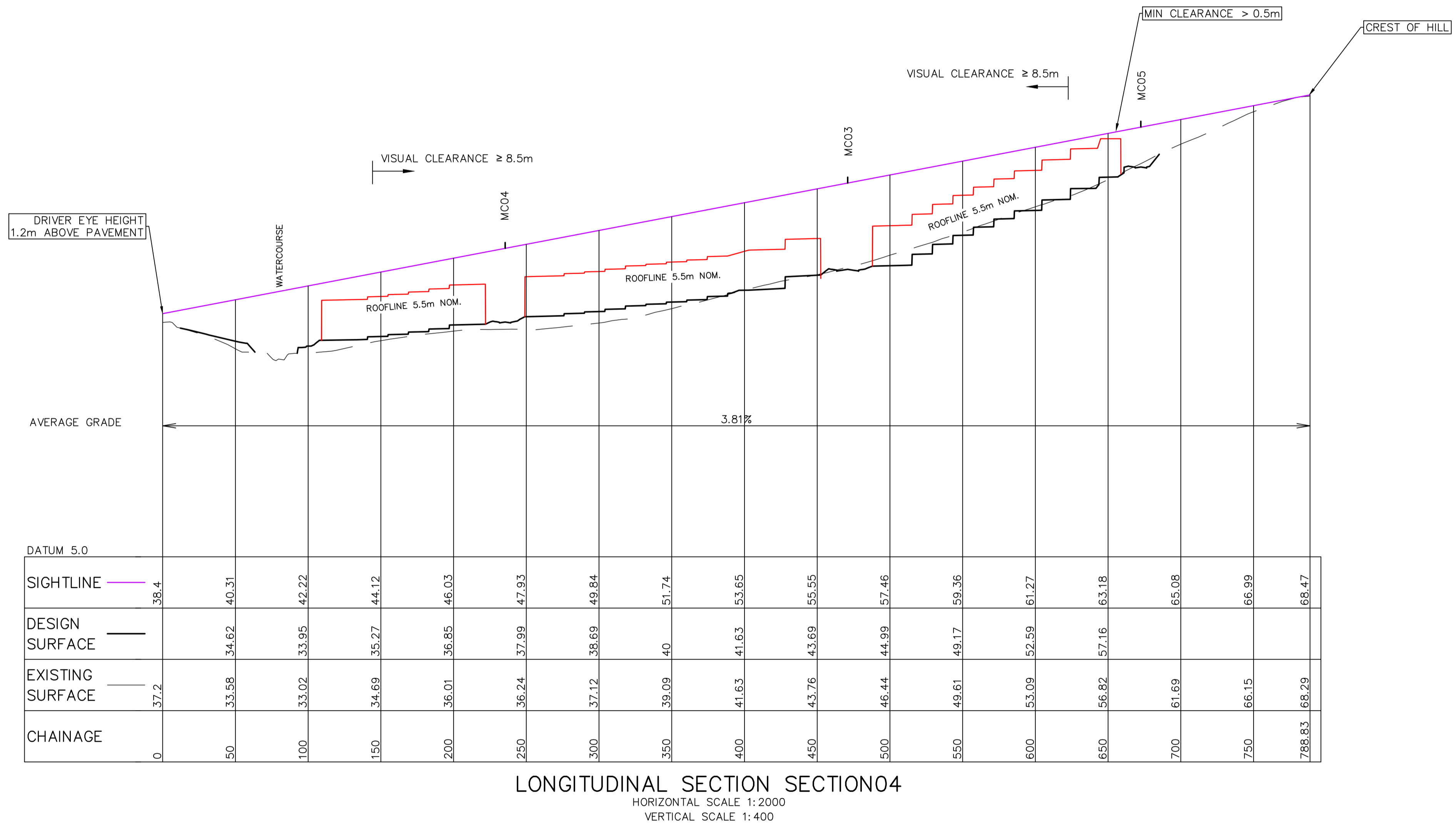
Hunter Office
Unit 7/335 Hillsborough Rd
Warners Bay N.S.W. 2282
Phone: (02) 4978 5100
Fax: (02) 4978 5199
email: hunter@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT

CPG ESTATES

PROPERTY DESCRIPTION
CONCEPT ENGINEERING PLANS FOR
PROPOSED SUBDIVISION
LOT 2, 3, 4, 5, 6 & 9 DP747391
& LOT 12 & 13 DP1219648
WYNDELLA ROAD, LOCHINVAR

PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
WYNDELLA ROAD LOCHINVAR	HIGHWAY VIEW CORRIDOR PLAN	240332	CENG	521	B



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohanson.com.au www.adwjohanson.com.au ABN 62 129 445 398	CLIENT 	PROPERTY DESCRIPTION			PROJECT		
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	VERT 0 10 15 1:300 / 1:600 HORIZ 0 30 60 1:1500 / 1:3000				CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	WYNDELLA ROAD LOCHINVAR			HIGHWAY VIEW CORRIDOR SITE SECTION	
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.					SURVEYED ADW Johnson	DATUM GDA94 M.G.A. ZONE 56 A.H.D.	PROJECT No. 240332	DISCIPLINE CENG	NUMBER 522	REV. B



LEGEND

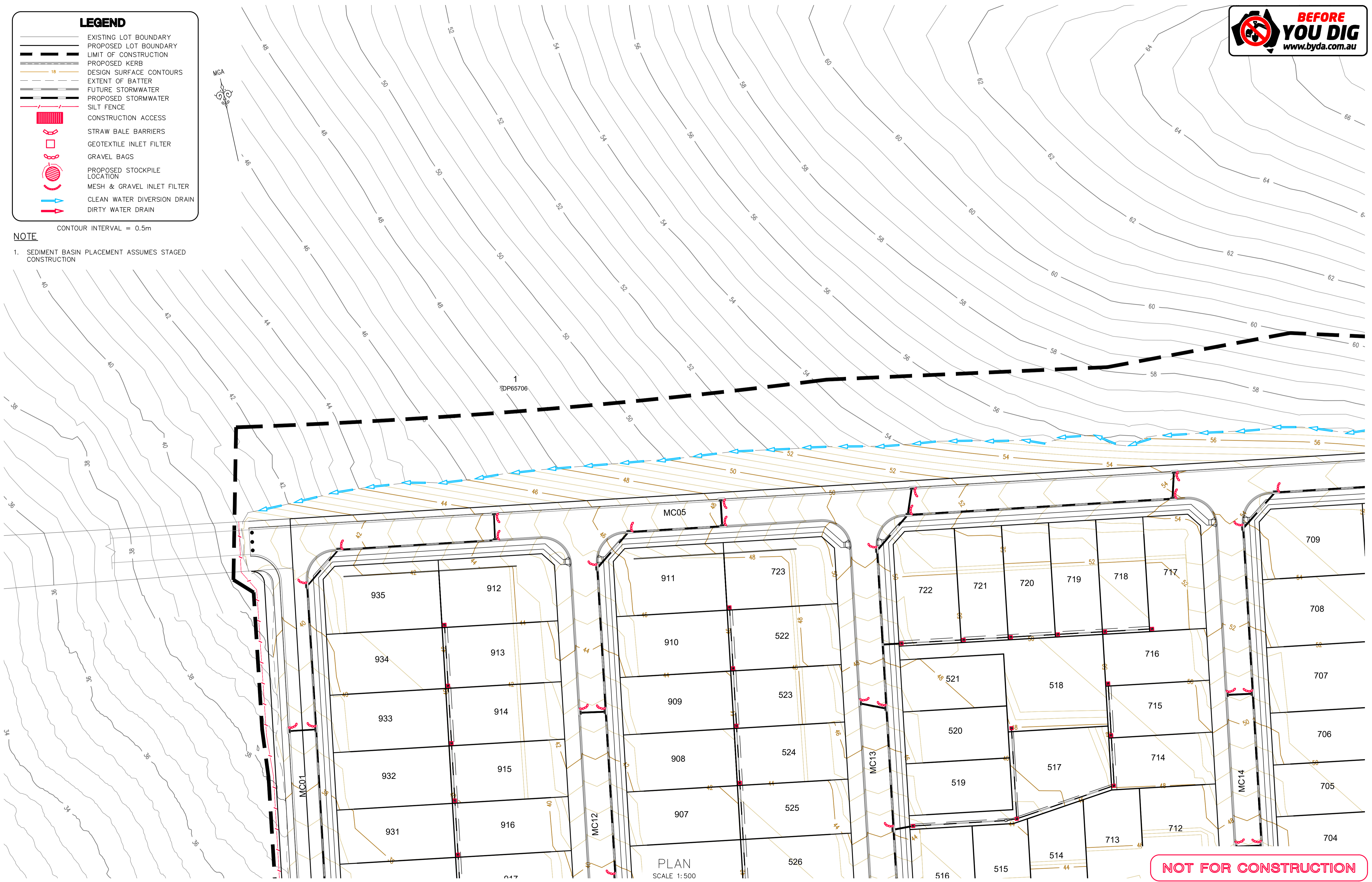
- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- LIMIT OF CONSTRUCTION
- PROPOSED KERB
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- FUTURE STORMWATER
- PROPOSED STORMWATER
- SILT FENCE
- CONSTRUCTION ACCESS
- STRAW BALE BARRIERS
- GEOTEXTILE INLET FILTER
- GRAVEL BAGS
- PROPOSED STOCKPILE LOCATION
- MESH & GRAVEL INLET FILTER
- CLEAN WATER DIVERSION DRAIN
- DIRTY WATER DRAIN

CONTOUR INTERVAL = 0.5m

NOTE
 1. SEDIMENT BASIN PLACEMENT ASSUMES STAGED CONSTRUCTION

240332-CENG-801(B)

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NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	 A1 / A3 1:500 / 1:1000	 adw Johnson	CLIENT	PROPERTY DESCRIPTION	PROJECT				
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.			Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CPG ESTATES	CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	WYNDELLA ROAD LOCHINVAR PLAN TITLE EROSION AND SEDIMENT CONTROL: SHEET 1				
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.					SURVEYED ADW Johnson	DATUM GDA94 M.G.A. ZONE 56 A.H.D.	PROJECT No. 240332	DISCIPLINE CENG	NUMBER 801	REV. B

240332-CENG-802(B)

LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- LIMIT OF CONSTRUCTION
- PROPOSED KERB
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- FUTURE STORMWATER
- PROPOSED STORMWATER
- SILT FENCE
- CONSTRUCTION ACCESS
- STRAW BALE BARRIERS
- GEOTEXTILE INLET FILTER
- GRAVEL BAGS
- PROPOSED STOCKPILE LOCATION
- MESH & GRAVEL INLET FILTER
- CLEAN WATER DIVERSION DRAIN
- DIRTY WATER DRAIN

CONTOUR INTERVAL = 0.5m



NOT FOR CONSTRUCTION

REV. A 22.03.2023 INITIAL ISSUE B 21.04.2023 MINOR AMENDMENTS		DRAWN D.N.		CHECK M.K.		DESIGN C.L.		VERIFY M.L.		SCALES 0 10 20 A1 / A3 1:500 / 1:1000		CLIENT CPGESTATES		PROPERTY DESCRIPTION CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR		PROJECT WYNDELLA ROAD LOCHINVAR			
DESIGNER: ADW Johnson Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohanson.com.au www.adwjohanson.com.au ABN 62 129 445 398										PLAN TITLE EROSION AND SEDIMENT CONTROL: SHEET 2		PROJECT No. 240332		DISCIPLINE CENG		NUMBER 802		REV. B	

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240332-CENG-803(B)

100mm AT FULL SIZE
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LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- LIMIT OF CONSTRUCTION
- PROPOSED KERB
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- FUTURE STORMWATER
- PROPOSED STORMWATER
- SILT FENCE
- CONSTRUCTION ACCESS
- STRAW BALE BARRIERS
- GEOTEXTILE INLET FILTER
- GRAVEL BAGS
- PROPOSED STOCKPILE LOCATION
- MESH & GRAVEL INLET FILTER
- CLEAN WATER DIVERSION DRAIN
- DIRTY WATER DRAIN

CONTOUR INTERVAL = 0.5m

SEDIMENT CONTROL - SEDIMENT BASIN PARAMETERS
IN ACCORDANCE WITH 'MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION' VOLUME 14 3RD EDITION LANDCOM (2004)

SITE CATCHMENT - [CATCHMENT NAME]

CATCHMENT	VALUE	UNITS
TOTAL AREA	2.9	ha
DISTURBED AREA	2.9	ha

SITE PARAMETERS

CONSTRAINT	VALUE
SOIL MATERIALS	DISPERSIBLE SOILS
SOIL TEXTURE GROUP	D
EROSION HAZARD	MODERATE

RAINFALL/RUNOFF

Region	Central Coast/Hunter
Location	Newcastle
DESIGN RAINFALL DEPTH (DAYS)	5
DESIGN RAINFALL DEPTH (PERCENTILE)	80th
DESIGN RAINFALL DEPTH (mm)	30.5
VOLUMETRIC RUNOFF COEFFICIENT (CV)	0.56

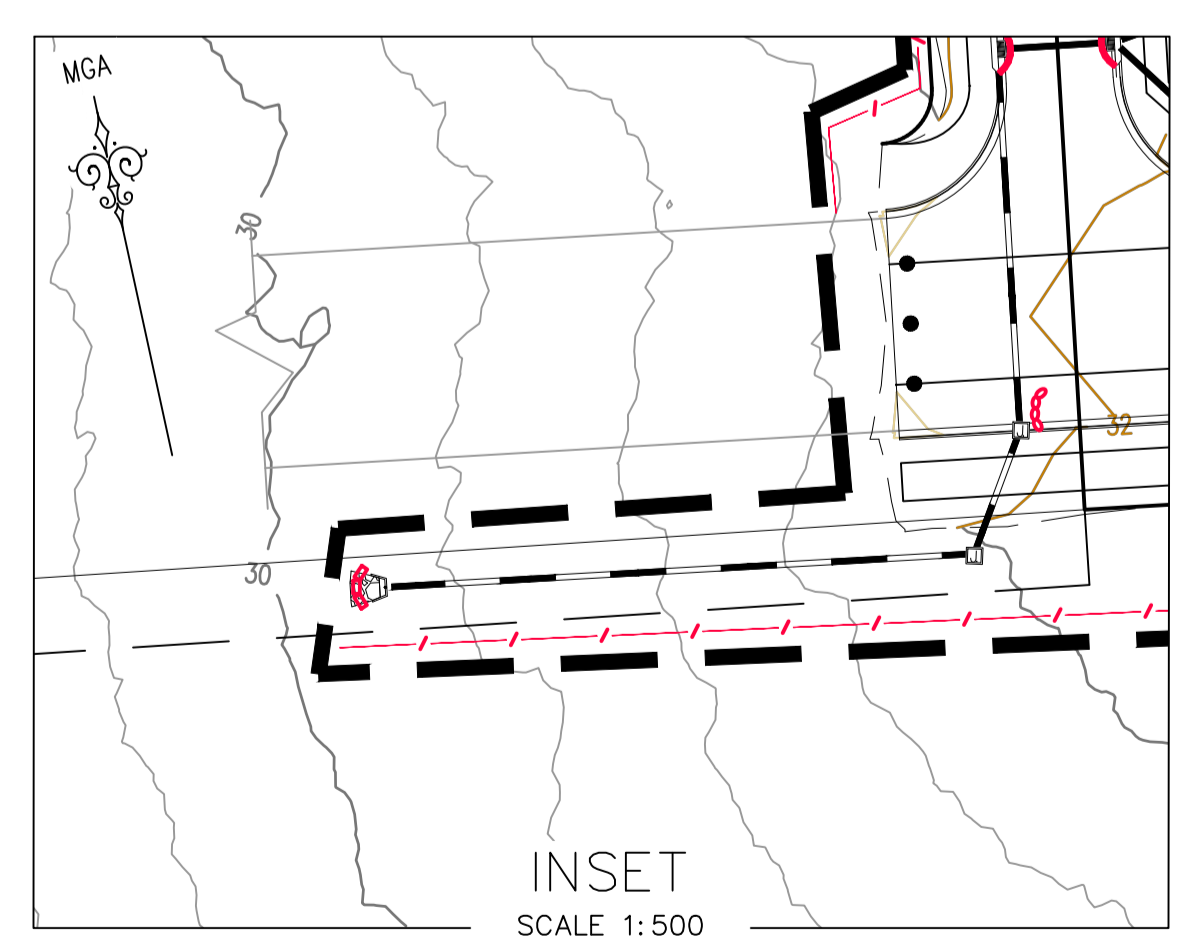
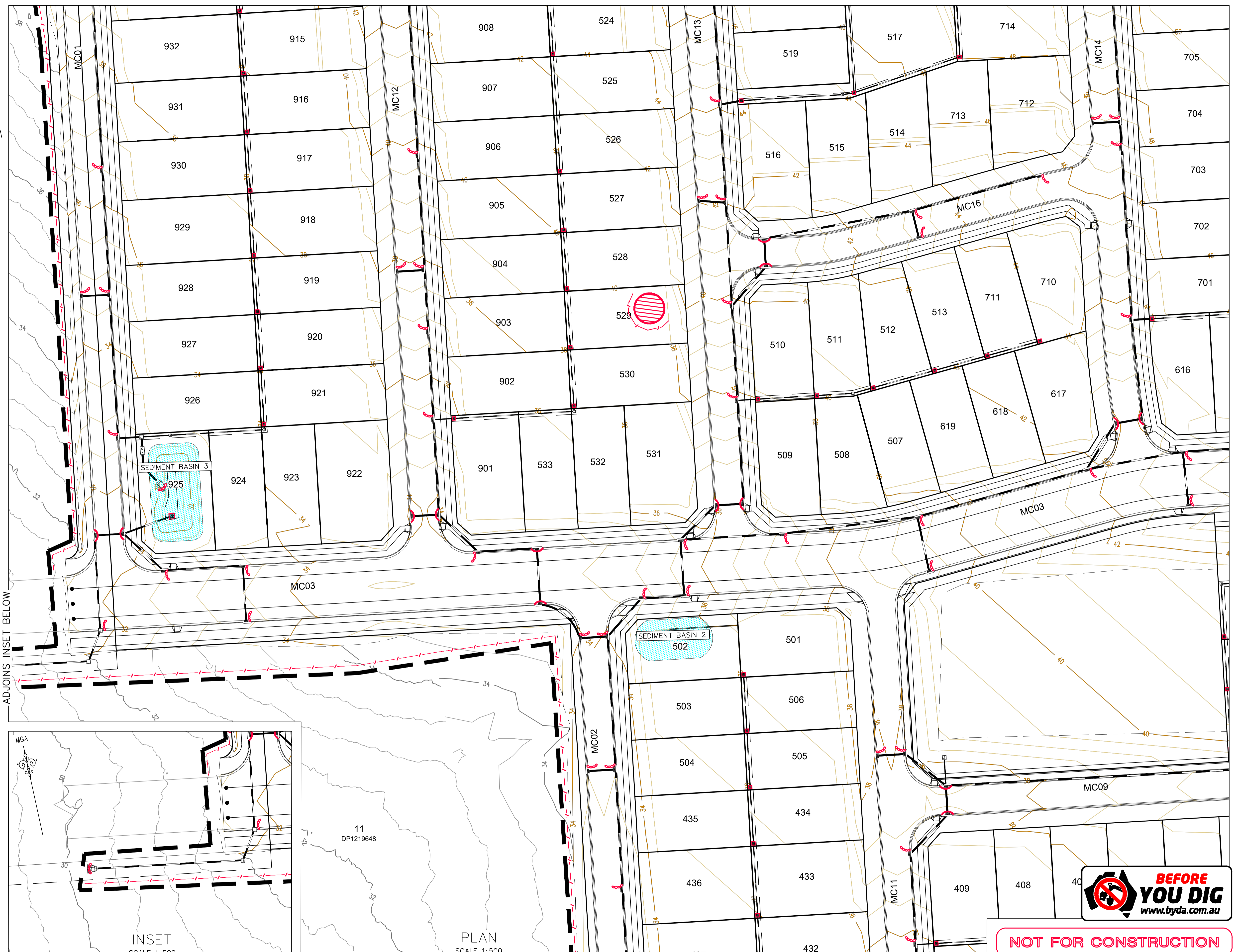
RUSLE FACTORS

CONSTRAINT	VALUE	UNITS
RAINFALL ERODIVITY (R-FACTOR)	1775	mm
SOIL ERODIBILITY (K-FACTOR)	0.03	
SLOPE LENGTH	212	m
SLOPE GRADIENT	8	%
LENGTH/GRADIENT (LS-FACTOR)	3.81	
EROSION CONTROL PRACTICE (P-FACTOR)	1.3	
GROUND COVER (C-FACTOR)	1	

CALCULATIONS

CONSTRAINT	VALUE	UNITS
SOIL LOSS	264	m ³ /ha/yr
SOIL LOSS CLASS	4	
SETTLING ZONE VOLUME	496	m ³
SEDIMENT STORAGE VOLUME	101	m ³
TOTAL BASIN VOLUME REQUIRED	597	m ³

BASIN CALCULATION 3

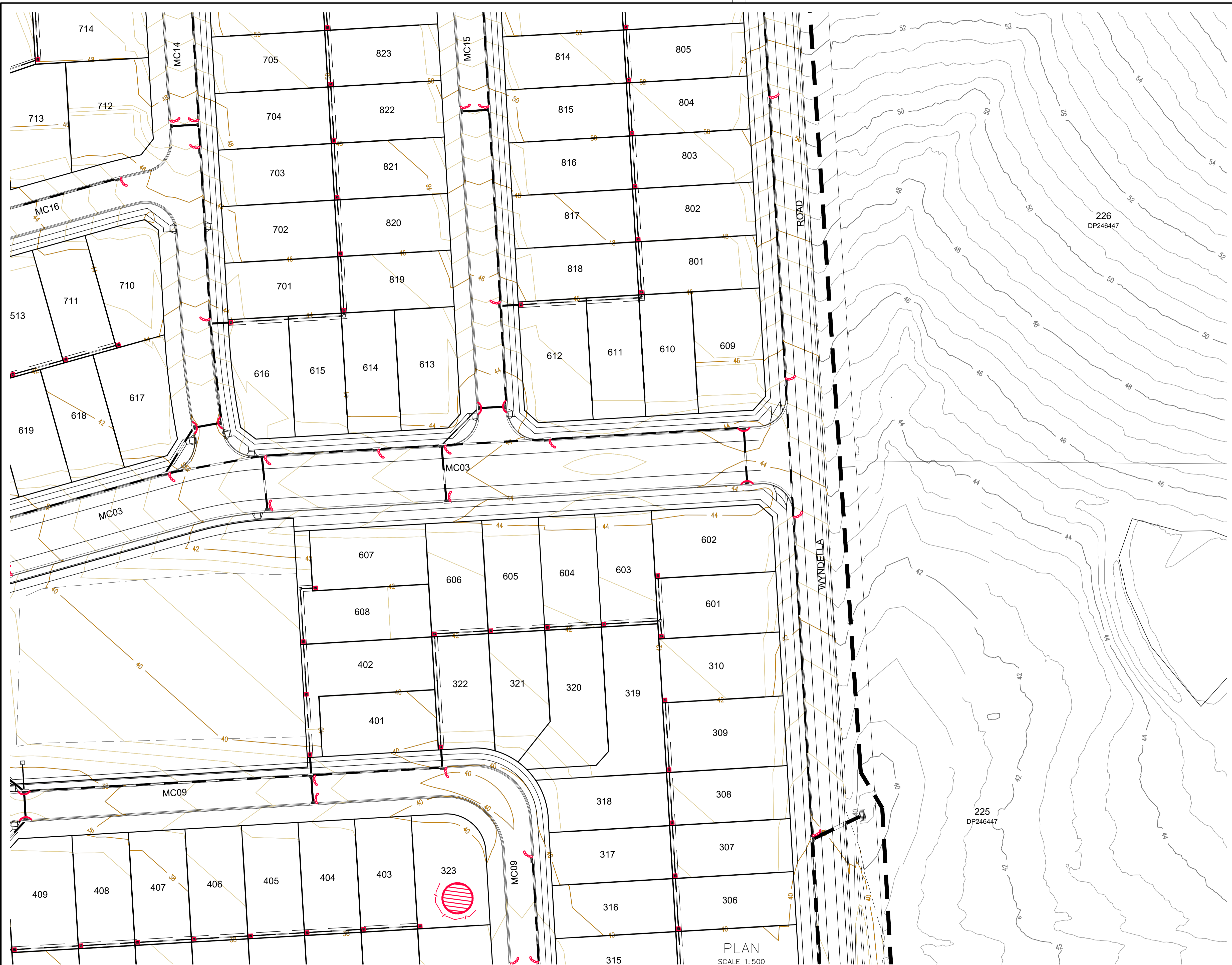


NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT					
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	A1 / A3	Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	WYNDELLA ROAD LOCHINVAR					
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.	1:500 / 1:1000	CPG ESTATES	LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	EROSION AND SEDIMENT CONTROL: SHEET 3					
DESIGN FILE N:\240332\Design\12D\		ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE		SURVEYED		DATUM		PROJECT No.		DISCIPLINE		NUMBER		REV.	
Plotted By: jersonf		Plot Date: 21/04/23 - 14:53		ADW Johnson		GDA94 M.G.A. ZONE 56 A.H.D.		240332		CENG		803		B	

240332-CENG-804(B)

100mm AT FULL SIZE
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LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- LIMIT OF CONSTRUCTION
- PROPOSED KERB
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- FUTURE STORMWATER
- PROPOSED STORMWATER SILT FENCE
- CONSTRUCTION ACCESS
- STRAW BALE BARRIERS
- GEOTEXTILE INLET FILTER
- GRAVEL BAGS
- PROPOSED STOCKPILE LOCATION
- MESH & GRAVEL INLET FILTER
- CLEAN WATER DIVERSION DRAIN
- DIRTY WATER DRAIN

CONTOUR INTERVAL = 0.5m

SEDIMENT CONTROL - SEDIMENT BASIN PARAMETERS

IN ACCORDANCE WITH 'MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION' VOLUME 1 4TH EDITION LANDCOM (2004)

SITE CATCHMENT - [CATCHMENT NAME]		
CATCHMENT	VALUE	UNITS
TOTAL AREA	2.28	ha
DISTURBED AREA	2.28	ha

SITE PARAMETERS	
CONSTRAINT	VALUE
SOIL MATERIALS	DISPERSIBLE SOILS
SOIL TEXTURE GROUP	D
EROSION HAZARD	VERY LOW

RAINFALL/RUNOFF	
Region	Central Coast/Hunter
Location	Newcastle
DESIGN RAINFALL DEPTH (DAYS)	5
DESIGN RAINFALL DEPTH (PERCENTILE)	80th
DESIGN RAINFALL DEPTH (mm)	30.5
VOLUMETRIC RUNOFF COEFFICIENT (CV)	0.56

RUSLE FACTORS		
CONSTRAINT	VALUE	UNITS
RAINFALL EROSIIVITY (R-FACTOR)	1775	mm
SOIL ERODIBILITY (K-FACTOR)	0.03	
SLOPE LENGTH	200	m
SLOPE GRADIENT	2	%
LENGTH/GRADIENT (LS-FACTOR)	0.58	
EROSION CONTROL PRACTICE (P-FACTOR)	1.3	
GROUND COVER (C-FACTOR)	1	

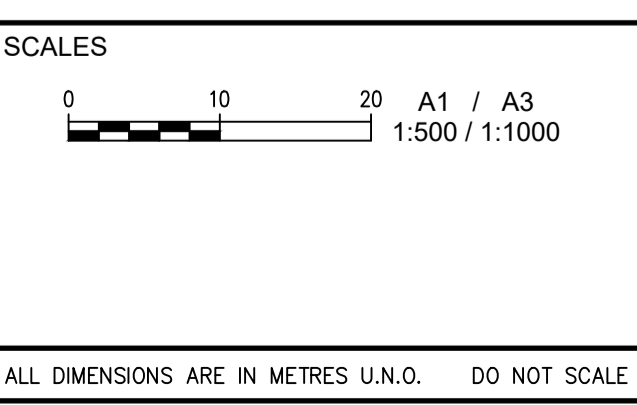
CALCULATIONS		
CONSTRAINT	VALUE	UNITS
SOIL LOSS	40	m ³ /ha/yr
SOIL LOSS CLASS	1	
SETTLING ZONE VOLUME	390	m ³
SEDIMENT STORAGE VOLUME	12	m ³
TOTAL BASIN VOLUME REQUIRED	402	m ³

BASIN CALCULATION 2



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	0 10 20 A1 / A3
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.	1:500 / 1:1000



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CLIENT
CPG ESTATES

PROPERTY DESCRIPTION
CONCEPT ENGINEERING PLANS FOR
PROPOSED SUBDIVISION
LOT 2, 3, 4, 5, 6 & 9 DP747391
& LOT 12 & 13 DP1219648
WYNDELLA ROAD, LOCHINVAR

PROJECT			
WYNDELLA ROAD LOCHINVAR			
PLAN TITLE			
EROSION AND SEDIMENT CONTROL: SHEET 4			
SURVEYED	DATUM	PROJECT No.	DISCIPLINE
ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG
NUMBER	REV.	804	B

240332-CENG-805(B)

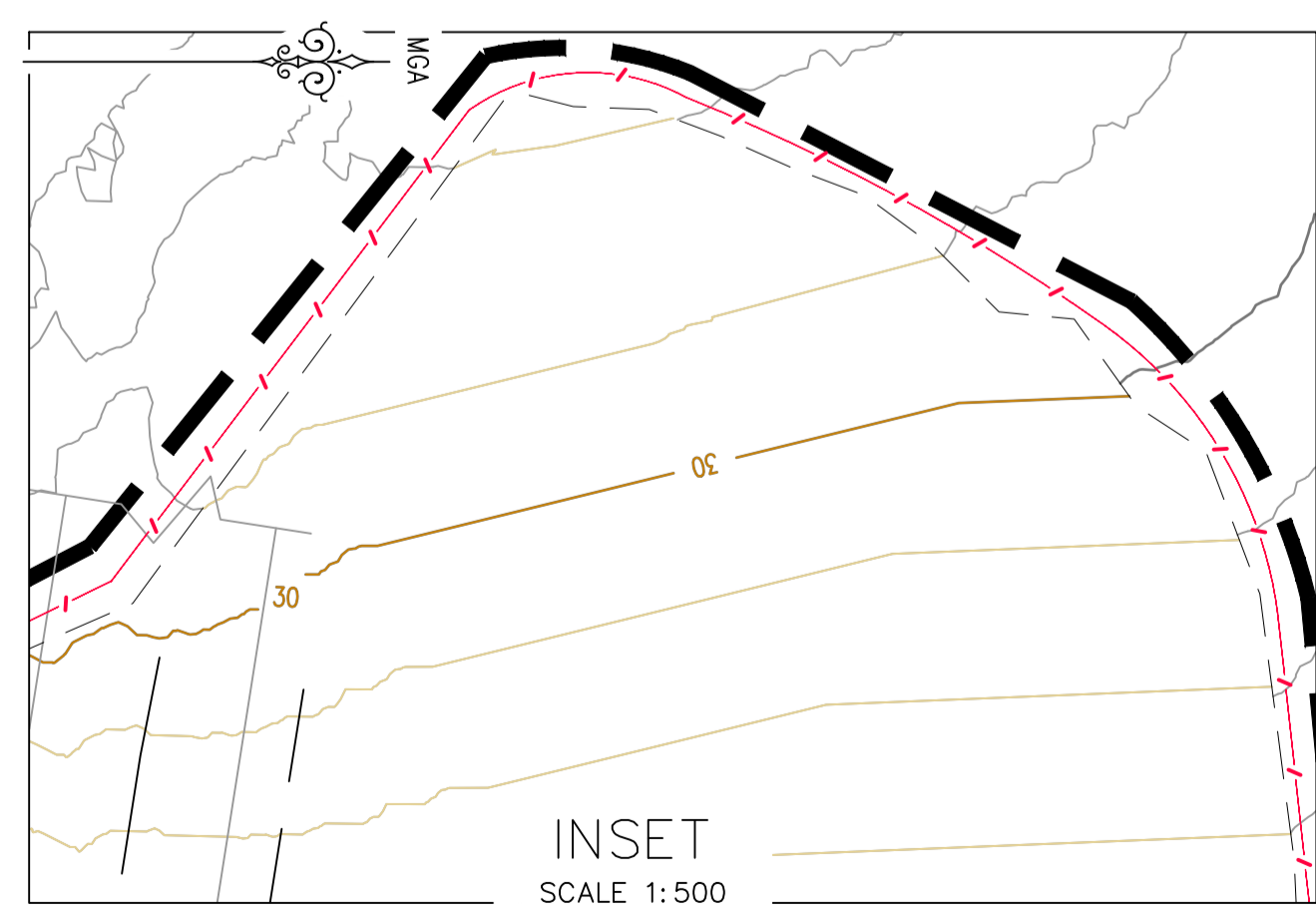
100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.



LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- LIMIT OF CONSTRUCTION
- PROPOSED KERB
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- FUTURE STORMWATER
- PROPOSED STORMWATER
- SILT FENCE
- CONSTRUCTION ACCESS
- STRAW BALE BARRIERS
- GEOTEXTILE INLET FILTER
- GRAVEL BAGS
- PROPOSED STOCKPILE LOCATION
- MESH & GRAVEL INLET FILTER
- CLEAN WATER DIVERSION DRAIN
- DIRTY WATER DRAIN

CONTOUR INTERVAL = 0.5m

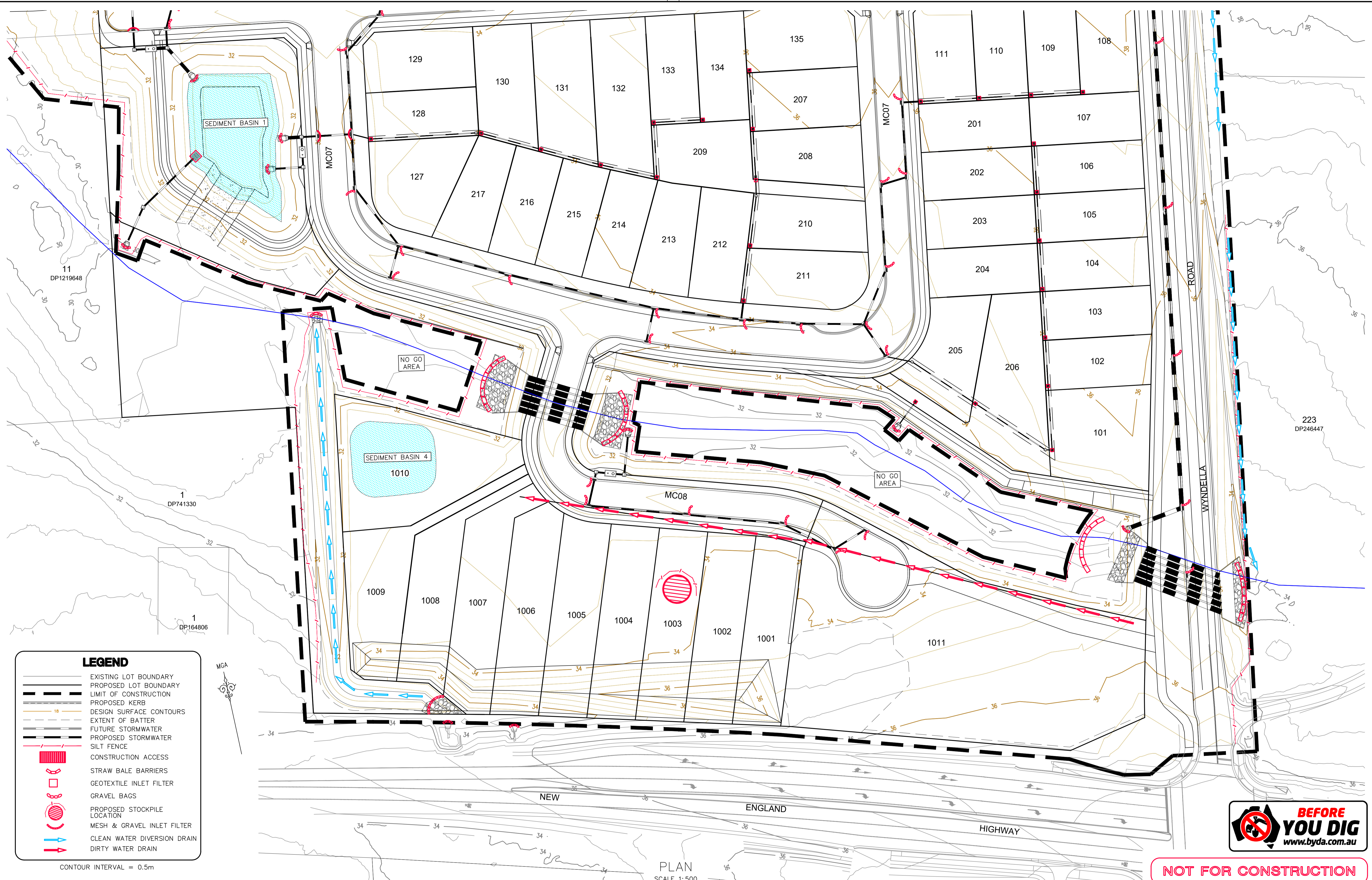


NOT FOR CONSTRUCTION

REV. A 22.03.2023 INITIAL ISSUE B 21.04.2023 MINOR AMENDMENTS		DRAWN D.N. CHECK M.K.		DESIGN C.L. VERIFY M.L.		SCALES 0 10 20 A1 / A3 1:500 / 1:1000		CLIENT CPGESTATES		PROPERTY DESCRIPTION CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR		PROJECT WYNDELLA ROAD LOCHINVAR	
DESIGNER adw Johnson								CONTRACTOR Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398		PLANNING SURVEYED ADW Johnson DATUM GDA94 M.G.A. ZONE 56 A.H.D.		PLAN TITLE EROSION AND SEDIMENT CONTROL: SHEET 5	
DESIGN FILE N:\240332\Design\12D\				ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE				PROJECT No. 240332		DISCIPLINE CENG		NUMBER 805	
Plotted By: jersonf Plot Date: 21/04/23 - 14:54 Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-805(B).dwg				REV. B		DATE 21/04/23		BY jersonf		CHECKED M.K.		DATE 21/04/23	

240332-CENG-806(B)

100mm AT FULL SIZE
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LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- LIMIT OF CONSTRUCTION
- PROPOSED KERB
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- FUTURE STORMWATER
- PROPOSED STORMWATER
- SILT FENCE
- CONSTRUCTION ACCESS
- STRAW BALE BARRIERS
- GEOTEXTILE INLET FILTER
- GRAVEL BAGS
- PROPOSED STOCKPILE LOCATION
- MESH & GRAVEL INLET FILTER
- CLEAN WATER DIVERSION DRAIN
- DIRTY WATER DRAIN

CONTOUR INTERVAL = 0.5m



NOT FOR CONSTRUCTION

REV. A	DATE 22.03.2023	AMENDMENT INITIAL ISSUE	DRAWN D.N.	CHECK M.K.	DESIGN C.L.	VERIFY M.L.	SCALES 0 10 20 A1 / A3 1:500 / 1:1000	 Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT 	PROPERTY DESCRIPTION CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR			PROJECT WYNDELLA ROAD LOCHINVAR PLAN TITLE EROSION AND SEDIMENT CONTROL: SHEET 6		
REV. B	DATE 21.04.2023	AMENDMENT MINOR AMENDMENTS	DRAWN D.N.	CHECK M.K.	DESIGN C.L.	VERIFY M.L.				SURVEYED ADW Johnson	DATUM GDA94 M.G.A. ZONE 56 A.H.D.	PROJECT No. 240332	DISCIPLINE CENG	NUMBER 806	REV. B

SEDIMENT CONTROL - SEDIMENT BASIN PARAMETERS		
IN ACCORDANCE WITH 'MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION' VOLUME 1 4 TH EDITION LANDCOM (2004)		
SITE CATCHMENT - [CATCHMENT NAME]		
CATCHMENT	VALUE	UNITS
TOTAL AREA	9.47	ha
DISTURBED AREA	9.47	ha
SITE PARAMETERS		
CONSTRAINT	VALUE	
SOIL MATERIALS	DISPERSIBLE SOILS	
SOIL TEXTURE GROUP	D	
EROSION HAZARD	LOW	
RAINFALL/RUNOFF		
Region	Central Coast/Hunter	
Location	Newcastle	
DESIGN RAINFALL DEPTH (DAYS)	5	
DESIGN RAINFALL DEPTH (PERCENTILE)	80th	
DESIGN RAINFALL DEPTH (mm)	30.5	
VOLUMETRIC RUNOFF COEFFICIENT (CV)	0.56	
RUSLE FACTORS		
CONSTRAINT	VALUE	UNITS
RAINFALL ERODIVITY (R-FACTOR)	1775	mm
SOIL ERODIBILITY (K-FACTOR)	0.03	
SLOPE LENGTH	300	m
SLOPE GRADIENT	3	%
LENGTH/GRADIENT (LS-FACTOR)	1.31	
EROSION CONTROL PRACTICE (P-FACTOR)	1.3	
GROUND COVER (C-FACTOR)	1	
CALCULATIONS		
CONSTRAINT	VALUE	UNITS
SOIL LOSS	91	m ³ /ha/yr
SOIL LOSS CLASS	2	
SETTLING ZONE VOLUME	1618	m ³
SEDIMENT STORAGE VOLUME	113	m ³
TOTAL BASIN VOLUME REQUIRED	1731	m ³

BASIN CALCULATION 1

SEDIMENT CONTROL - SEDIMENT BASIN PARAMETERS		
IN ACCORDANCE WITH 'MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION' VOLUME 1 4 TH EDITION LANDCOM (2004)		
SITE CATCHMENT - [CATCHMENT NAME]		
CATCHMENT	VALUE	UNITS
TOTAL AREA	8.6	ha
DISTURBED AREA	8.6	ha
SITE PARAMETERS		
CONSTRAINT	VALUE	
SOIL MATERIALS	DISPERSIBLE SOILS	
SOIL TEXTURE GROUP	D	
EROSION HAZARD	MODERATE	
RAINFALL/RUNOFF		
Region	Central Coast/Hunter	
Location	Newcastle	
DESIGN RAINFALL DEPTH (DAYS)	5	
DESIGN RAINFALL DEPTH (PERCENTILE)	80th	
DESIGN RAINFALL DEPTH (mm)	30.5	
VOLUMETRIC RUNOFF COEFFICIENT (CV)	0.56	
RUSLE FACTORS		
CONSTRAINT	VALUE	UNITS
RAINFALL ERODIVITY (R-FACTOR)	1775	mm
SOIL ERODIBILITY (K-FACTOR)	0.03	
SLOPE LENGTH	300	m
SLOPE GRADIENT	6	%
LENGTH/GRADIENT (LS-FACTOR)	4.00	
EROSION CONTROL PRACTICE (P-FACTOR)	1.3	
GROUND COVER (C-FACTOR)	1	
CALCULATIONS		
CONSTRAINT	VALUE	UNITS
SOIL LOSS	277	m ³ /ha/yr
SOIL LOSS CLASS	4	
SETTLING ZONE VOLUME	1469	m ³
SEDIMENT STORAGE VOLUME	312	m ³
TOTAL BASIN VOLUME REQUIRED	1781	m ³

BASIN CALCULATION 4

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES			HUNTER OFFICE Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT 	PROPERTY DESCRIPTION CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	PROJECT WYNDELLA ROAD LOCHINVAR													
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.																				
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.																				
DESIGN FILE N:\240332\Design\12D\																										
ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE																										
Plotted By: jersonf Plot Date: 21/04/23 - 14:54 Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-807(B).dwg																										
									SURVEYED ADW Johnson			DATUM GDA94 M.G.A. ZONE 56 A.H.D.			PROJECT No. 240332			DISCIPLINE CENG			NUMBER 807			REV. B		

240332-CENG-901(B)

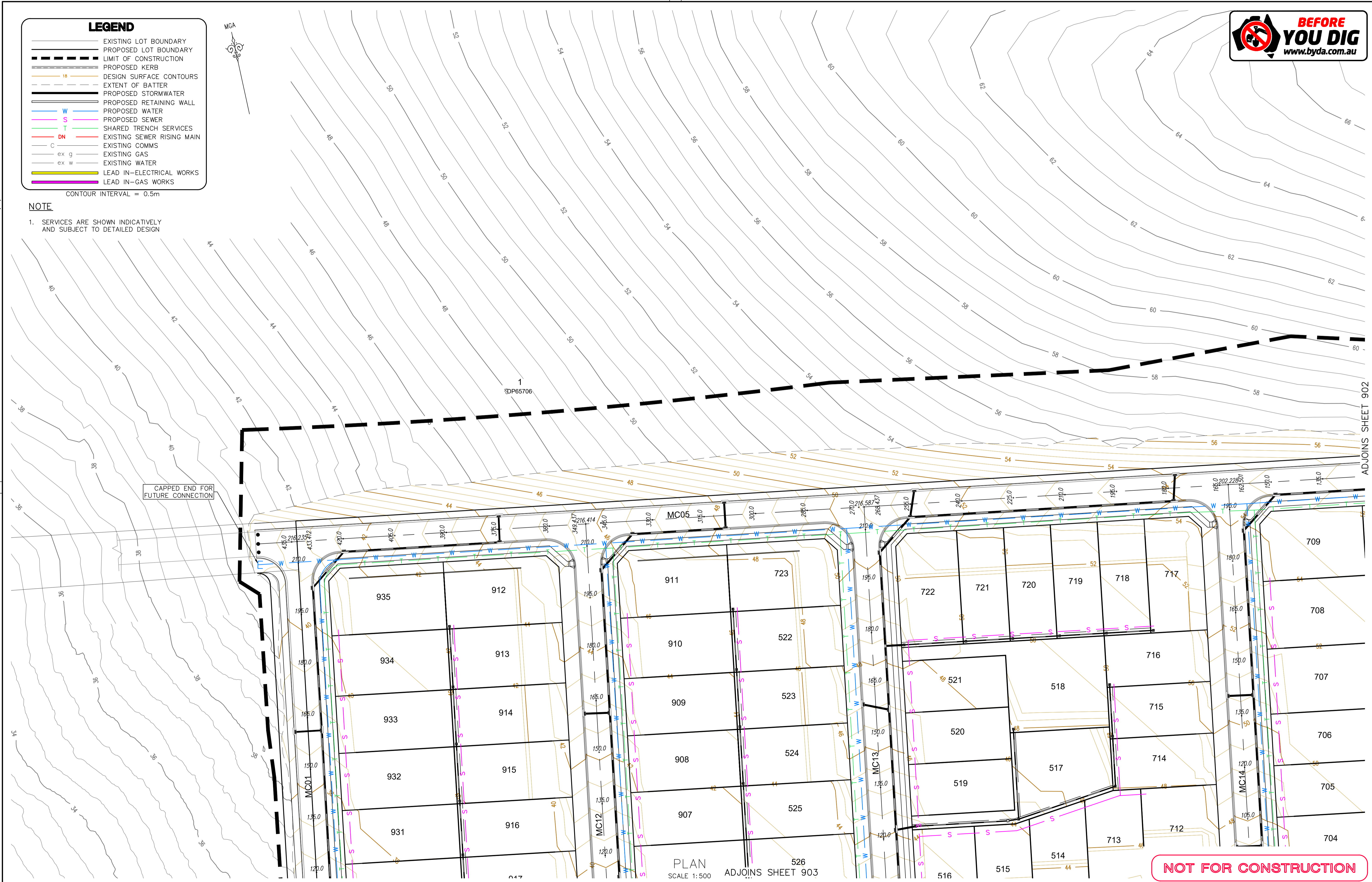


LEGEND	
	EXISTING LOT BOUNDARY
	PROPOSED LOT BOUNDARY
	LIMIT OF CONSTRUCTION
	PROPOSED KERB
	DESIGN SURFACE CONTOURS
	EXTENT OF BATTER
	PROPOSED STORMWATER
	PROPOSED RETAINING WALL
	PROPOSED WATER
	PROPOSED SEWER
	SHARED TRENCH SERVICES
	EXISTING SEWER RISING MAIN
	EXISTING COMMS
	EXISTING GAS
	EXISTING WATER
	LEAD IN-ELECTRICAL WORKS
	LEAD IN-GAS WORKS

CONTOUR INTERVAL = 0.5m

NOTE

- SERVICES ARE SHOWN INDICATIVELY AND SUBJECT TO DETAILED DESIGN



CAPPED END FOR FUTURE CONNECTION

PLAN SCALE 1:500 ADJOINS SHEET 903

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	 A1 / A3 1:500 / 1:1000	 Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohanson.com.au www.adwjohanson.com.au ABN 62 129 445 398	CLIENT	CPGESTATES CLIENT	PROPERTY DESCRIPTION	PROJECT													
	A	22.03.2023											INITIAL ISSUE	WYNDELLA ROAD LOCHINVAR												
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.						PLAN TITLE														
												INDICATIVE SERVICES PLAN: SHEET 1														
DESIGN FILE N:\240332\Design\12D\			ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE						SURVEYED			DATUM			PROJECT No.			DISCIPLINE			NUMBER			REV.		
Plotted By: jersonf			Plot Date: 21/04/23 - 14:54			Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-901(B).dwg			ADW Johnson			GDA94 M.G.A. ZONE 56 A.H.D.			240332			CENG			901			B		

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ADJOINS SHEET 902

240332-CENG-902(B)

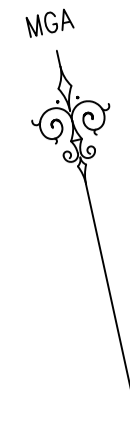
ADJOINS SHEET 901

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LEGEND

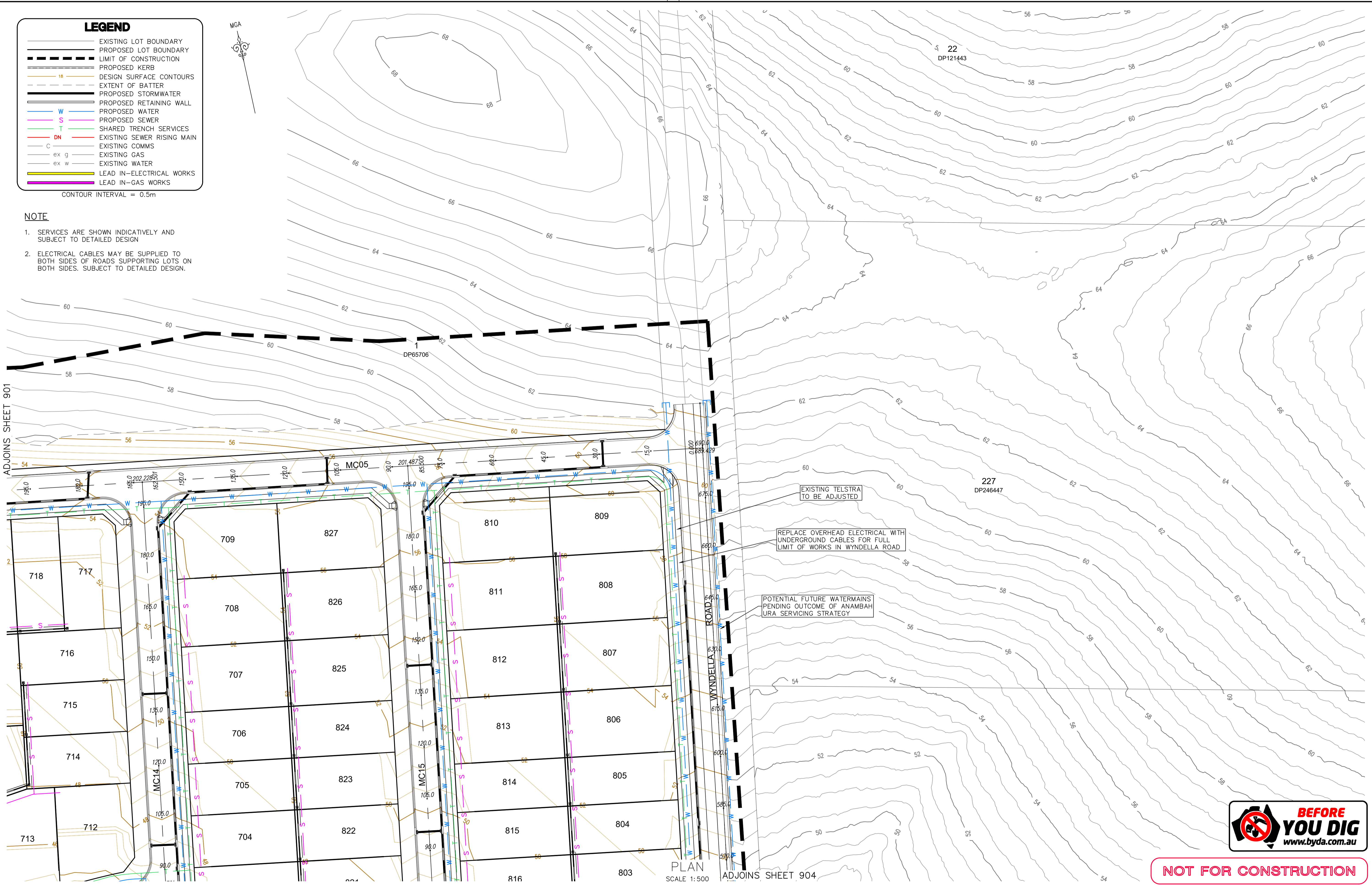
	EXISTING LOT BOUNDARY
	PROPOSED LOT BOUNDARY
	LIMIT OF CONSTRUCTION
	PROPOSED KERB
	DESIGN SURFACE CONTOURS
	EXTENT OF BATTER
	PROPOSED STORMWATER
	PROPOSED RETAINING WALL
	PROPOSED WATER
	PROPOSED SEWER
	SHARED TRENCH SERVICES
	EXISTING SEWER RISING MAIN
	EXISTING COMMS
	EXISTING GAS
	EXISTING WATER
	LEAD IN-ELECTRICAL WORKS
	LEAD IN-GAS WORKS

CONTOUR INTERVAL = 0.5m



NOTE

- SERVICES ARE SHOWN INDICATIVELY AND SUBJECT TO DETAILED DESIGN
- ELECTRICAL CABLES MAY BE SUPPLIED TO BOTH SIDES OF ROADS SUPPORTING LOTS ON BOTH SIDES. SUBJECT TO DETAILED DESIGN.



NOT FOR CONSTRUCTION

<table border="1"> <thead> <tr><th>REV.</th><th>DATE</th><th>AMENDMENT</th></tr> </thead> <tbody> <tr><td>A</td><td>22.03.2023</td><td>INITIAL ISSUE</td></tr> <tr><td>B</td><td>21.04.2023</td><td>MINOR AMENDMENTS</td></tr> </tbody> </table>		REV.	DATE	AMENDMENT	A	22.03.2023	INITIAL ISSUE	B	21.04.2023	MINOR AMENDMENTS	<table border="1"> <thead> <tr><th>DRAWN</th><th>CHECK</th><th>DESIGN</th><th>VERIFY</th></tr> </thead> <tbody> <tr><td>D.N.</td><td>M.K.</td><td>C.L.</td><td>M.L.</td></tr> <tr><td>D.N.</td><td>M.K.</td><td>C.L.</td><td>M.L.</td></tr> </tbody> </table>		DRAWN	CHECK	DESIGN	VERIFY	D.N.	M.K.	C.L.	M.L.	D.N.	M.K.	C.L.	M.L.	<p>SCALES</p>	<p>Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398</p>	<p>CLIENT</p> <p>CPG ESTATES</p>	<p>PROPERTY DESCRIPTION</p> <p>CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR</p>	<p>PROJECT</p> <p>WYNDELLA ROAD LOCHINVAR</p> <p>PLAN TITLE</p> <p>INDICATIVE SERVICES PLAN: SHEET 2</p>
REV.	DATE	AMENDMENT																											
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DESIGN FILE N:\240332\Design\12D\		ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE		<table border="1"> <tr> <td>SURVEYED</td> <td>DATUM</td> <td>PROJECT No.</td> <td>DISCIPLINE</td> <td>NUMBER</td> <td>REV.</td> </tr> <tr> <td>ADW Johnson</td> <td>GDA94 M.G.A. ZONE 56 A.H.D.</td> <td>240332</td> <td>CENG</td> <td>902</td> <td>B</td> </tr> </table>		SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.	ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG	902	B												
SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.																								
ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG	902	B																								

240332-CENG-903(B)

100mm AT FULL SIZE
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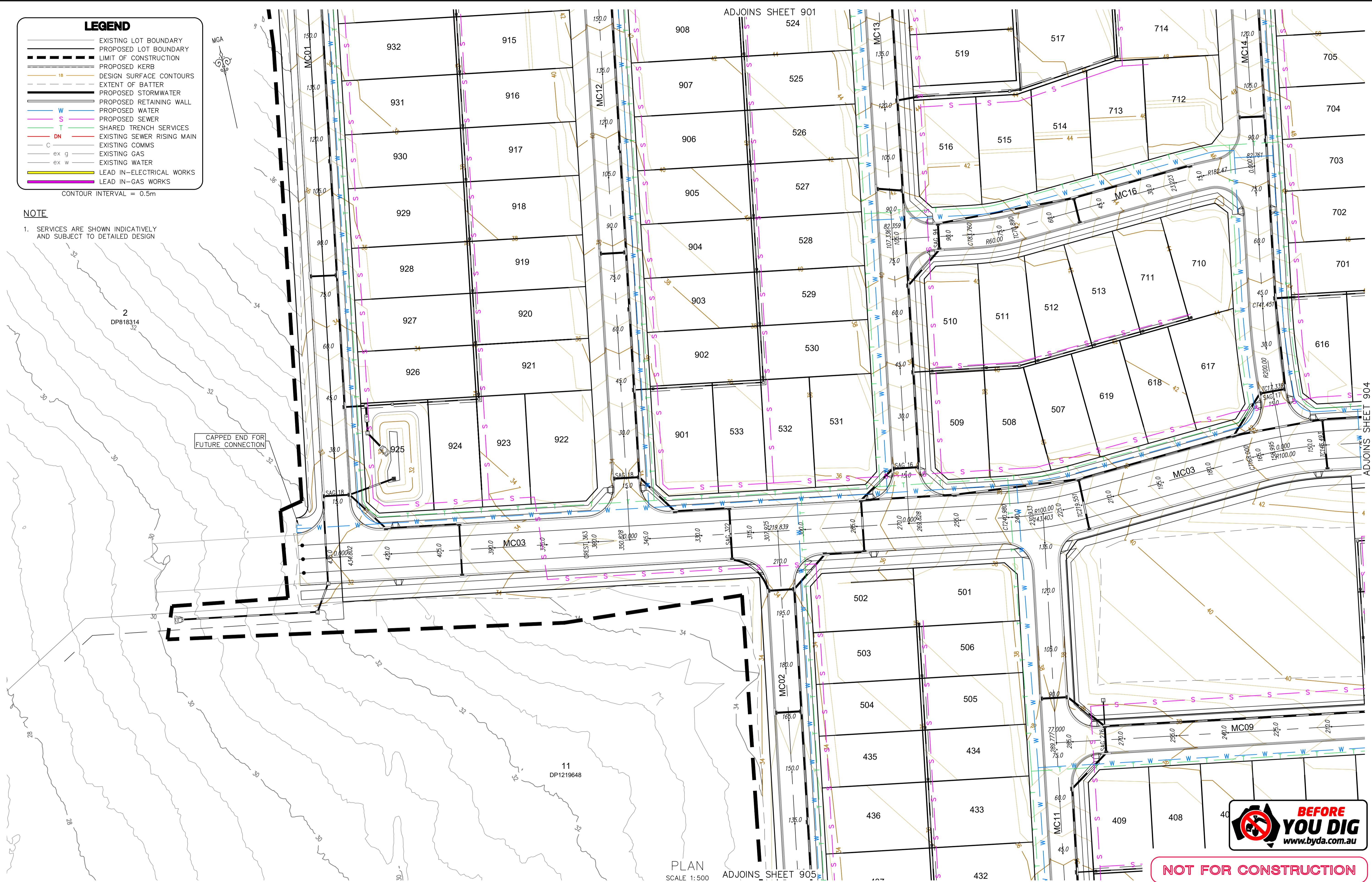
LEGEND

- EXISTING LOT BOUNDARY
- - - PROPOSED LOT BOUNDARY
- - - LIMIT OF CONSTRUCTION
- - - PROPOSED KERB
- 18 — DESIGN SURFACE CONTOURS
- - - EXTENT OF BATTER
- PROPOSED STORMWATER
- PROPOSED RETAINING WALL
- W PROPOSED WATER
- S PROPOSED SEWER
- T SHARED TRENCH SERVICES
- DN EXISTING SEWER RISING MAIN
- C EXISTING COMMS
- ex g EXISTING GAS
- ex w EXISTING WATER
- LEAD IN—ELECTRICAL WORKS
- LEAD IN—GAS WORKS

CONTOUR INTERVAL = 0.5m

NOTE

1. SERVICES ARE SHOWN INDICATIVELY AND SUBJECT TO DETAILED DESIGN



PLAN
SCALE 1:500

ADJOINS SHEET 905



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REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.	

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adw Johnson

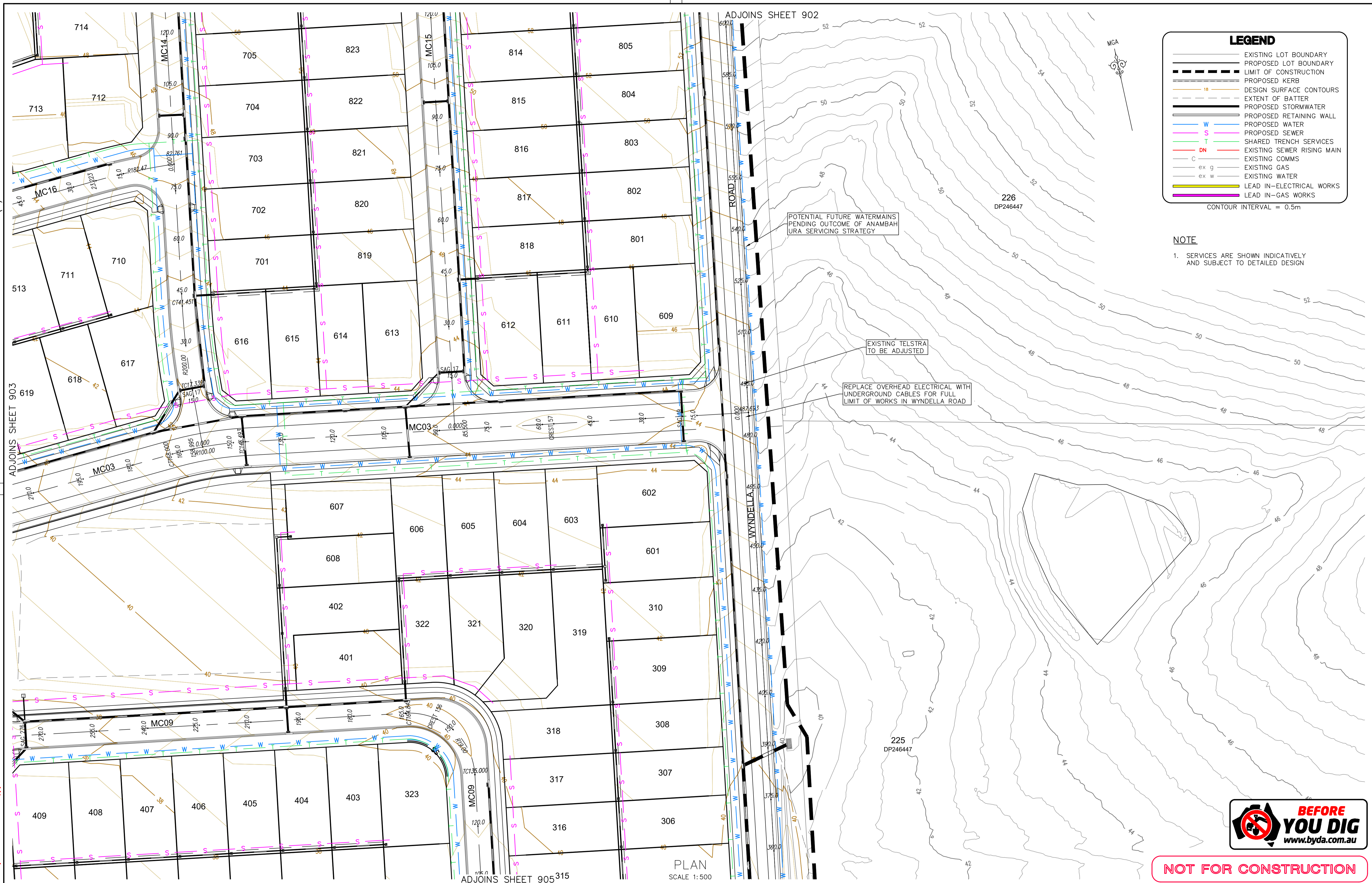
Hunter Office
Unit 7/335 Hillsborough Rd
Warners Bay N.S.W. 2282
Phone: (02) 4978 5100
Fax: (02) 4978 5199
email: hunter@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CPG ESTATES

PROPERTY DESCRIPTION	CLIENT
CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	
SURVEYED ADW Johnson	DATUM GDA94 M.G.A. ZONE 56 A.H.D.

PROJECT	PLAN TITLE
WYNDELLA ROAD LOCHINVAR	INDICATIVE SERVICES PLAN: SHEET 3
PROJECT No. 240332	DISCIPLINE - CENG
NUMBER - 903	REV. B

240332-CENG-904(B)



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ADW Johnson	CENG	904	B																																	

240332-CENG-905(B)

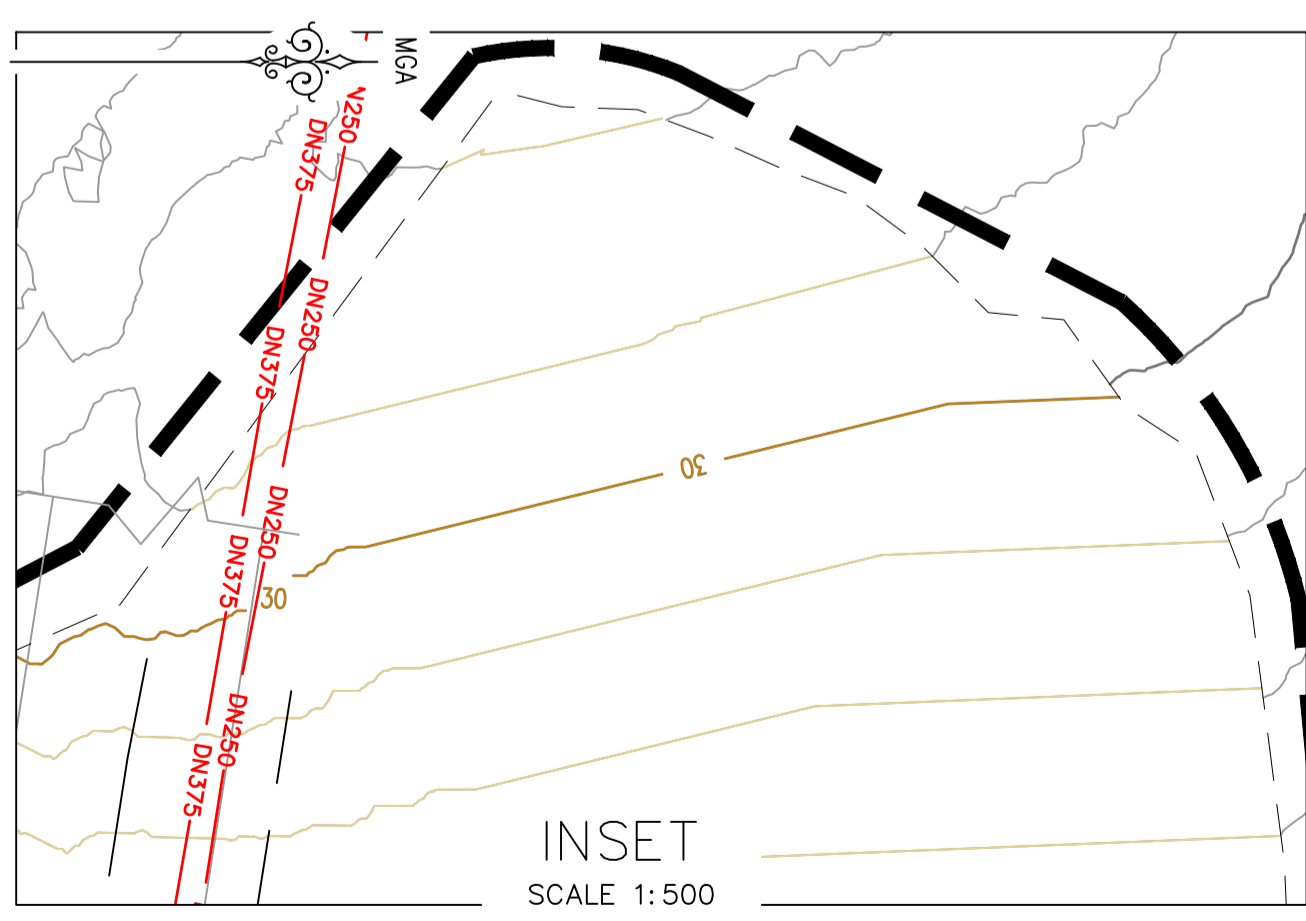
LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- LIMIT OF CONSTRUCTION
- PROPOSED KERB
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- PROPOSED STORMWATER
- PROPOSED RETAINING WALL
- PROPOSED WATER
- PROPOSED SEWER
- SHARED TRENCH SERVICES
- EXISTING SEWER RISING MAIN
- EXISTING COMMS
- EXISTING GAS
- EXISTING WATER
- LEAD IN-ELECTRICAL WORKS
- LEAD IN-GAS WORKS

NOTE

1. SERVICES ARE SHOWN INDICATIVELY AND SUBJECT TO DETAILED DESIGN

CONTOUR INTERVAL = 0.5m



LOCALLY REGRADE TO PROVIDE NEW DRIVEWAY CROSSING

POTENTIAL FUTURE WATERMANS PENDING OUTCOME OF ANAMBAH URA SERVICING STRATEGY

EXISTING RISING MAINS TO REMAIN IN PLACE



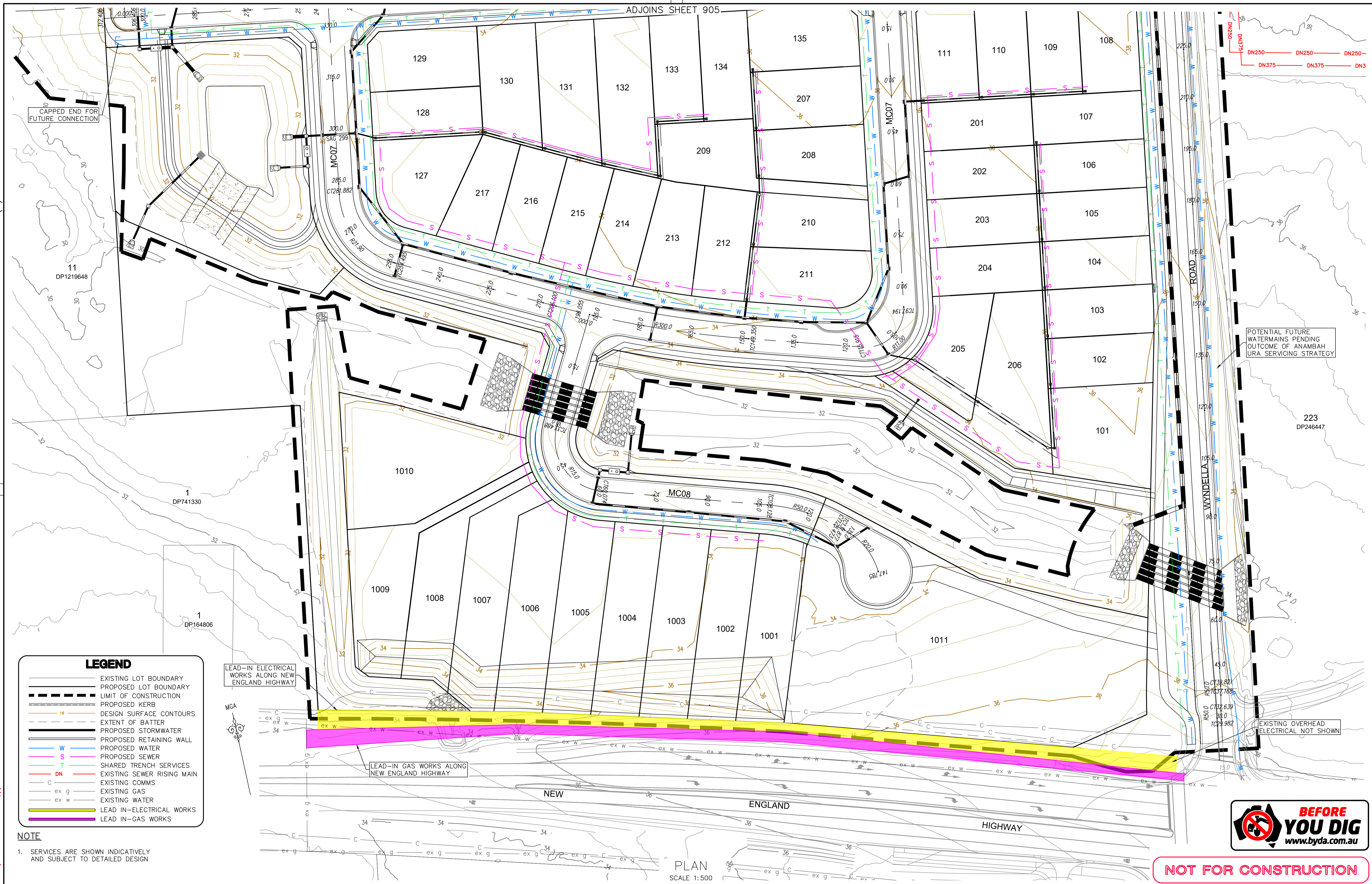
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REV. DATE AMENDMENT	DRAWN CHECK DESIGN VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT
A 22.03.2023 INITIAL ISSUE B 21.04.2023 MINOR AMENDMENTS	D.N. M.K. C.L. M.L. D.N. M.K. C.L. M.L.	0 10 20 A1 / A3 1:500 / 1:1000	Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	WYNDELLA ROAD LOCHINVAR PLAN TITLE INDICATIVE SERVICES PLAN: SHEET 5
DESIGN FILE N:\240332\Design\12D\	ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE		CPG ESTATES	SURVEYED ADW Johnson	PROJECT No. 240332
Plotted By: jersonf	Plot Date: 21/04/23 - 14:54			DATUM GDA94 M.G.A. ZONE 56 A.H.D.	DISCIPLINE CENG
					NUMBER 905
					REV. B

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LEGEND

- EXISTING LOT BOUNDARY
- - - PROPOSED LOT BOUNDARY
- - - LIMIT OF CONSTRUCTION
- - - PROPOSED KERB
- - - DESIGN SURFACE CONTOURS
- - - EXTENT OF BATTER
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- C EXISTING COMMS
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- LEAD IN-ELECTRICAL WORKS
- LEAD IN-GAS WORKS

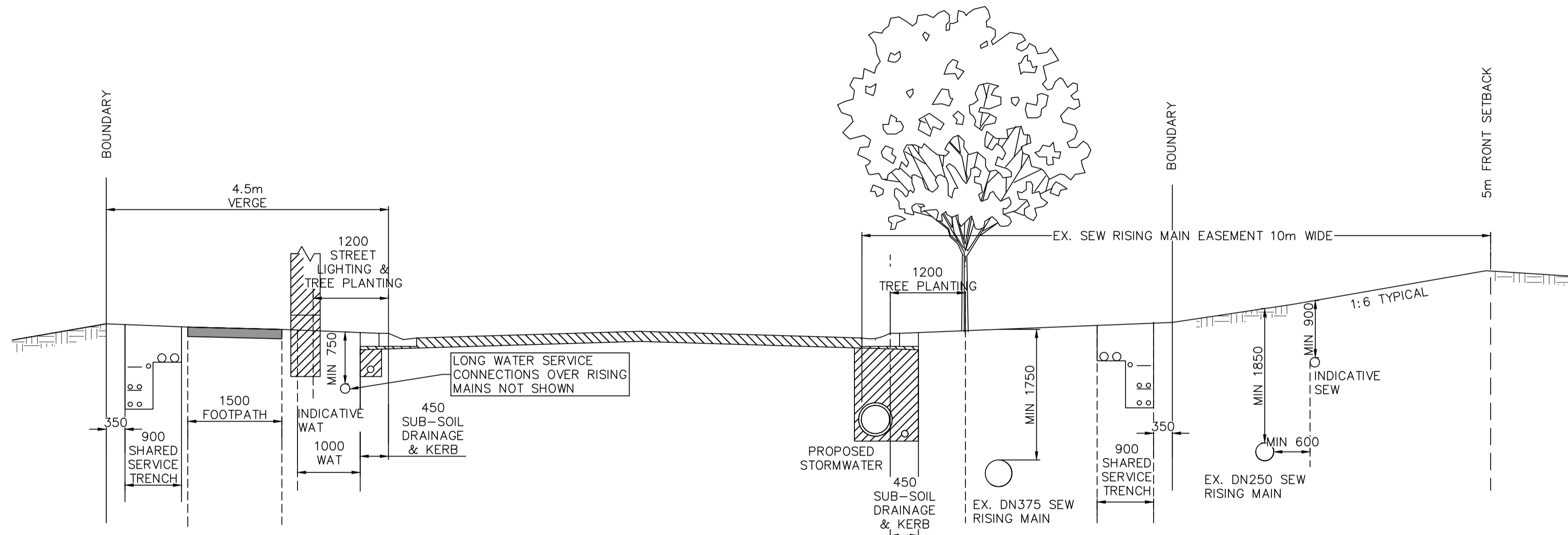
NOTE

1. SERVICES ARE SHOWN INDICATIVELY AND SUBJECT TO DETAILED DESIGN



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohanson.com.au www.adwjohanson.com.au ABN 62 129 445 398	CLIENT 	PROPERTY DESCRIPTION CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR		PROJECT WYNDELLA ROAD LOCHINVAR PLAN TITLE INDICATIVE SERVICES PLAN: SHEET 6	
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	0 10 20 A1 / A3				SURVEYED ADW Johnson	DATUM GDA94 M.G.A. ZONE 56 A.H.D.	PROJECT No. 240332	DISCIPLINE CENG



TYPICAL SECTION ROAD MC04 SERVICES
NOT IN SCALE

NOTE:
ALL SERVICES SUBJECT TO DETAIL DESIGN

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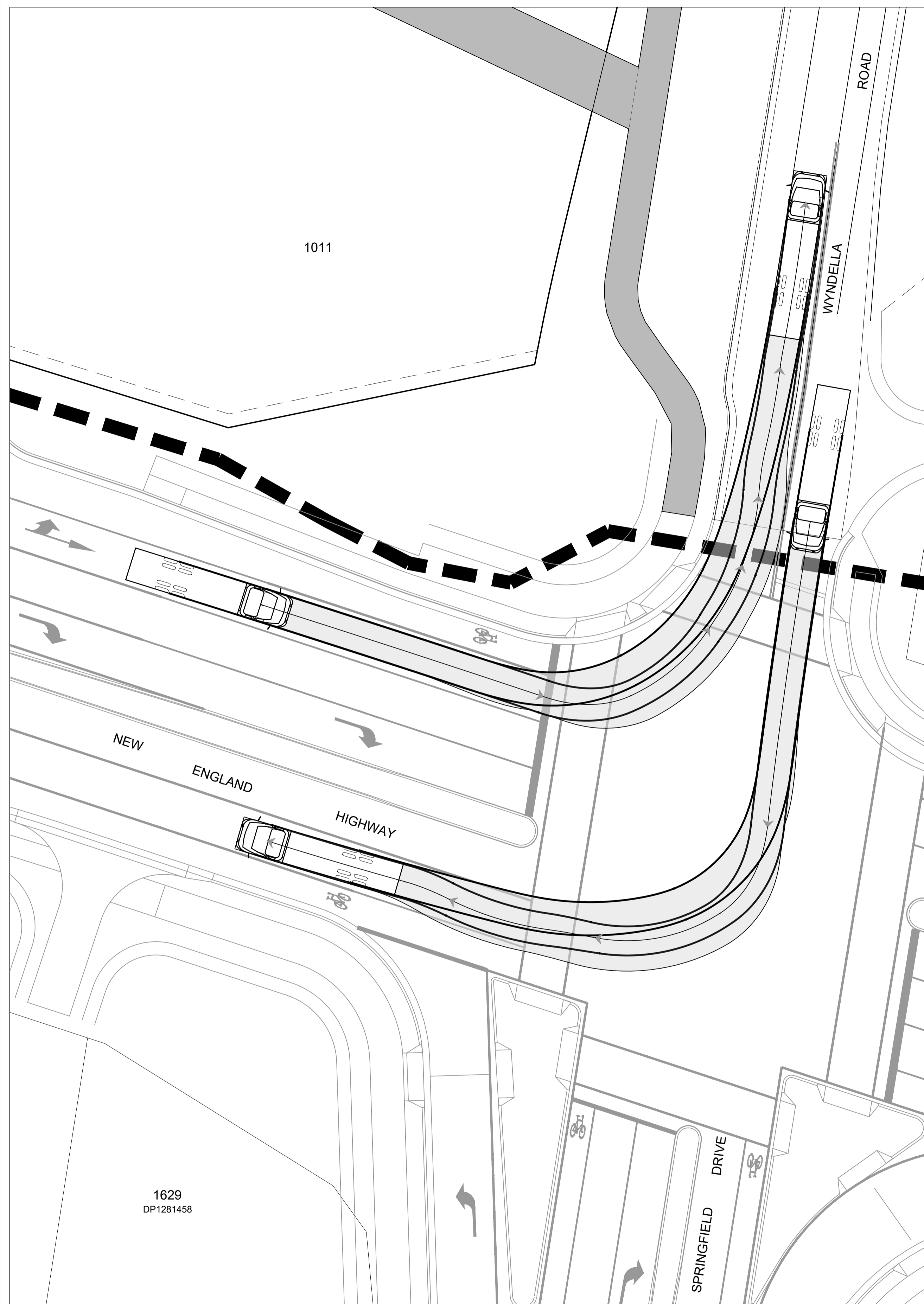


NOT FOR CONSTRUCTION

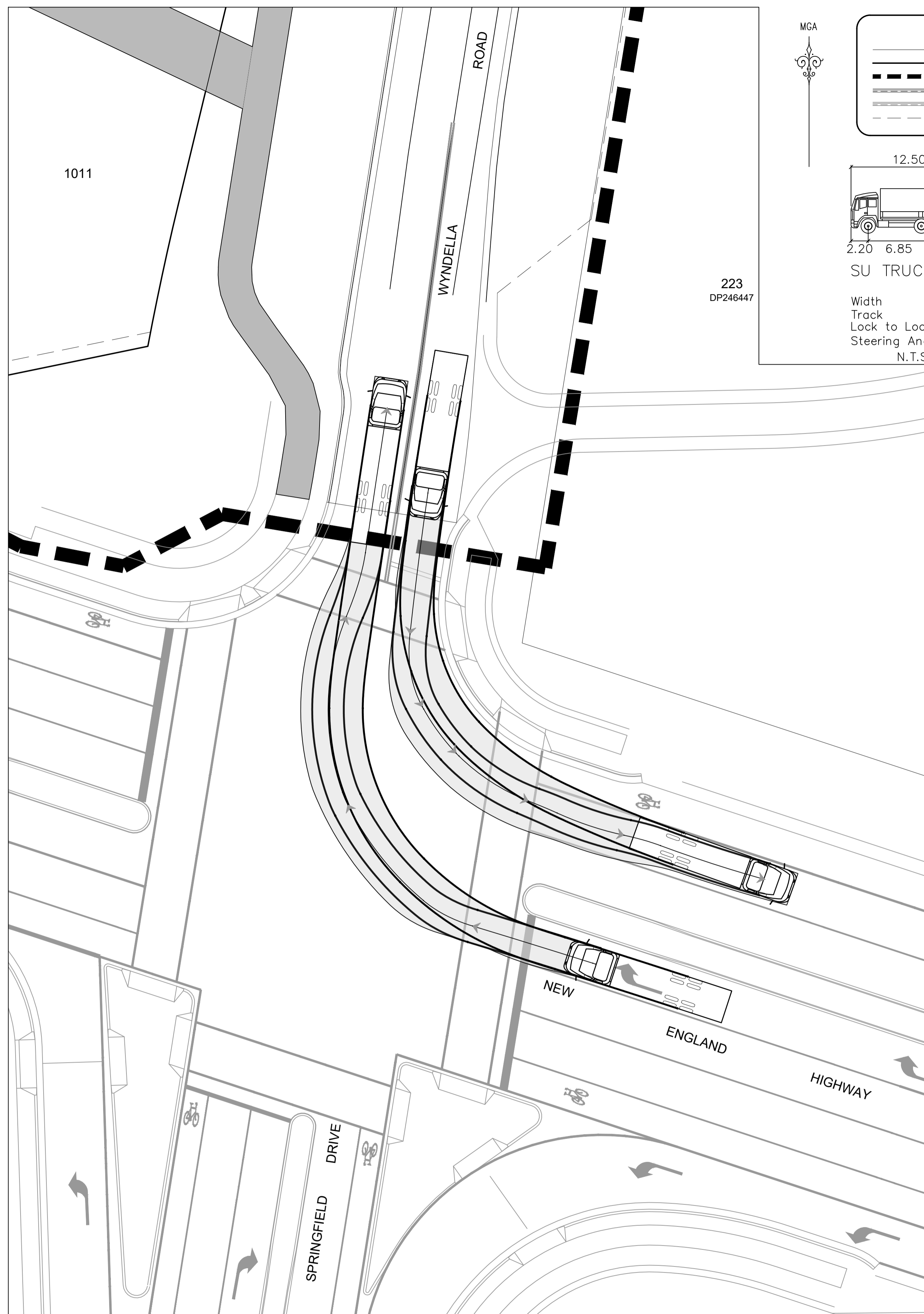
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT									
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.				CPG ESTATES Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	PROJECT WYNDELLA ROAD LOCHINVAR							
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.		PLAN TITLE TYPICAL SECTION SERVICE ALLOCATION- ROAD MC04											
DESIGN FILE N:\240332\Design\12D\ Plotted By: jersonf Plot Date: 21/04/23 - 14:55 Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-907(B).dwg			ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE					SURVEYED ADW Johnson		DATUM GDA94 M.G.A. ZONE 56 A.H.D.		PROJECT No. 240332		DISCIPLINE CENG		NUMBER 907		REV. B	

240332-CENG-911(B)

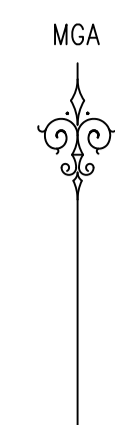
100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.



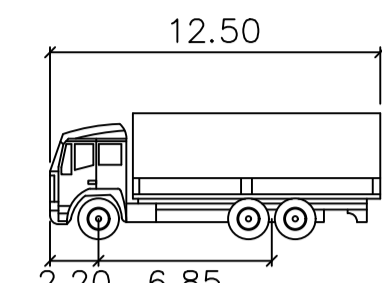
TURNING MOVEMENT 1
SCALE 1:200



TURNING MOVEMENT 1
SCALE 1:200



LEGEND	
	EXISTING LOT BOUNDARY
	PROPOSED LOT BOUNDARY
	LIMIT OF CONSTRUCTION
	PROPOSED KERB
	EXISTING/FUTURE KERB
	EXTENT OF BATTER



SU TRUCK	Width	: 2.50
	Track	: 2.50
	Lock to Lock Time	: 6.0
	Steering Angle	: 36.6
		N.T.S.



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT 	PROPERTY DESCRIPTION			PROJECT							
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	0 5 10 A1 / A3 1:200 / 1:400				CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR			WYNDELLA ROAD LOCHINVAR							
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.					TURNING MOVEMENT PLANS										
DESIGN FILE N:\240332\Design\12D\								ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE		SURVEYED ADW Johnson		DATUM GDA94 M.G.A. ZONE 56 A.H.D.		PROJECT No. 240332		DISCIPLINE - CENG -		NUMBER - 911 -		REV. B	