

240332-CENG-001(F)

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

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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:-

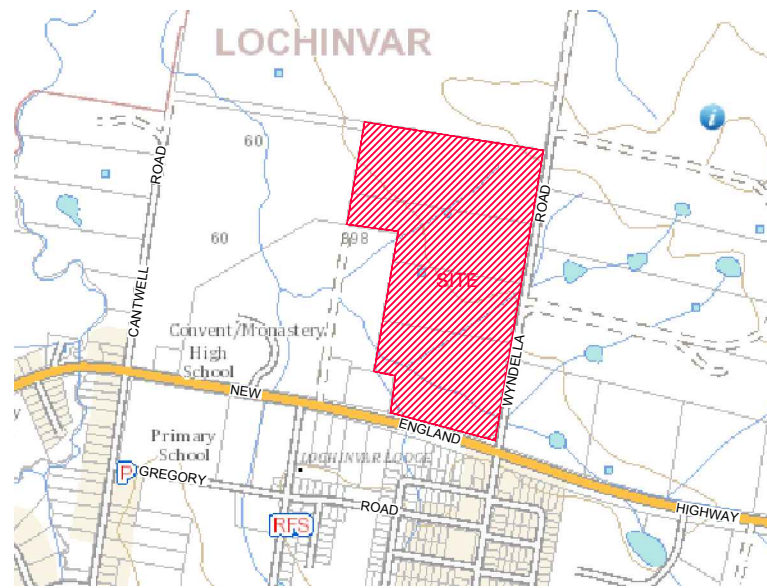
ALL SILT CONTROL MEASURES SHALL BE PLACED PRIOR TO COMMENCEMENT OF EARTHWORKS. SUCH MEASURES SHALL BE SUBJECT TO FURTHER ADDITIONS OR ALTERATIONS, WHERE CONSIDERED NECESSARY, AS DIRECTED BY THE PROJECT MANAGER OR COUNCIL, DURING THE PROGRESSION OF WORKS. ALL FINAL EROSION PREVENTION MEASURES INCLUDING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

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.



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.		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		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.		CPGESTATES		TITLE SHEET, DRAWING INDEX, GENERAL NOTES & LOCALITY PLAN		PLAN TITLE	
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.		www.adwjohnson.com.au ABN 62 129 445 398		SURVEYED ADW Johnson		DISCIPLINE CENG	
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.		PROJECT No. 240332		NUMBER 001		REV. F	
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.		DATUM GDA94 M.G.A. ZONE 56 A.H.D.					
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.							

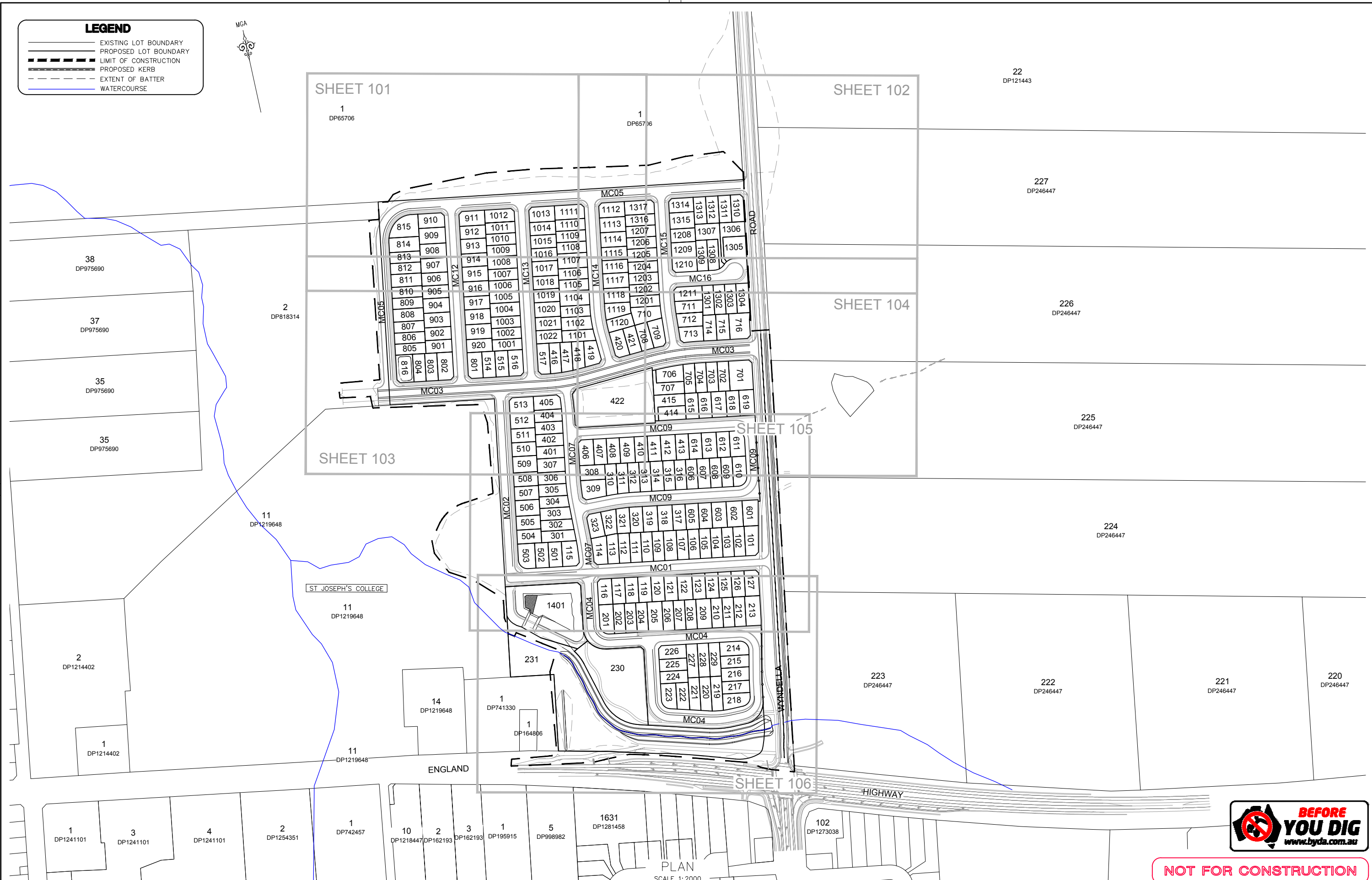
LEGEND

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



240332-CENG-002(F)

100mm AT FULL SIZE
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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.	0 50 100 A1 / A3 1:2000 / 1:4000	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
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C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.	OVERALL SITE PLAN			
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.				
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F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.				
DESIGN FILE N:\240332\Design\12D\								ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE		PROJECT No. 240332
Plotted By: anthonym Plot Date: 19/07/24 - 15:19 Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-002(F).dwg								SURVEYED ADW Johnson		DISCIPLINE - CENG -
								DATUM GDA94 M.G.A. ZONE 56 A.H.D.		NUMBER - 002
										REV. F

240332-CENG-101(F)



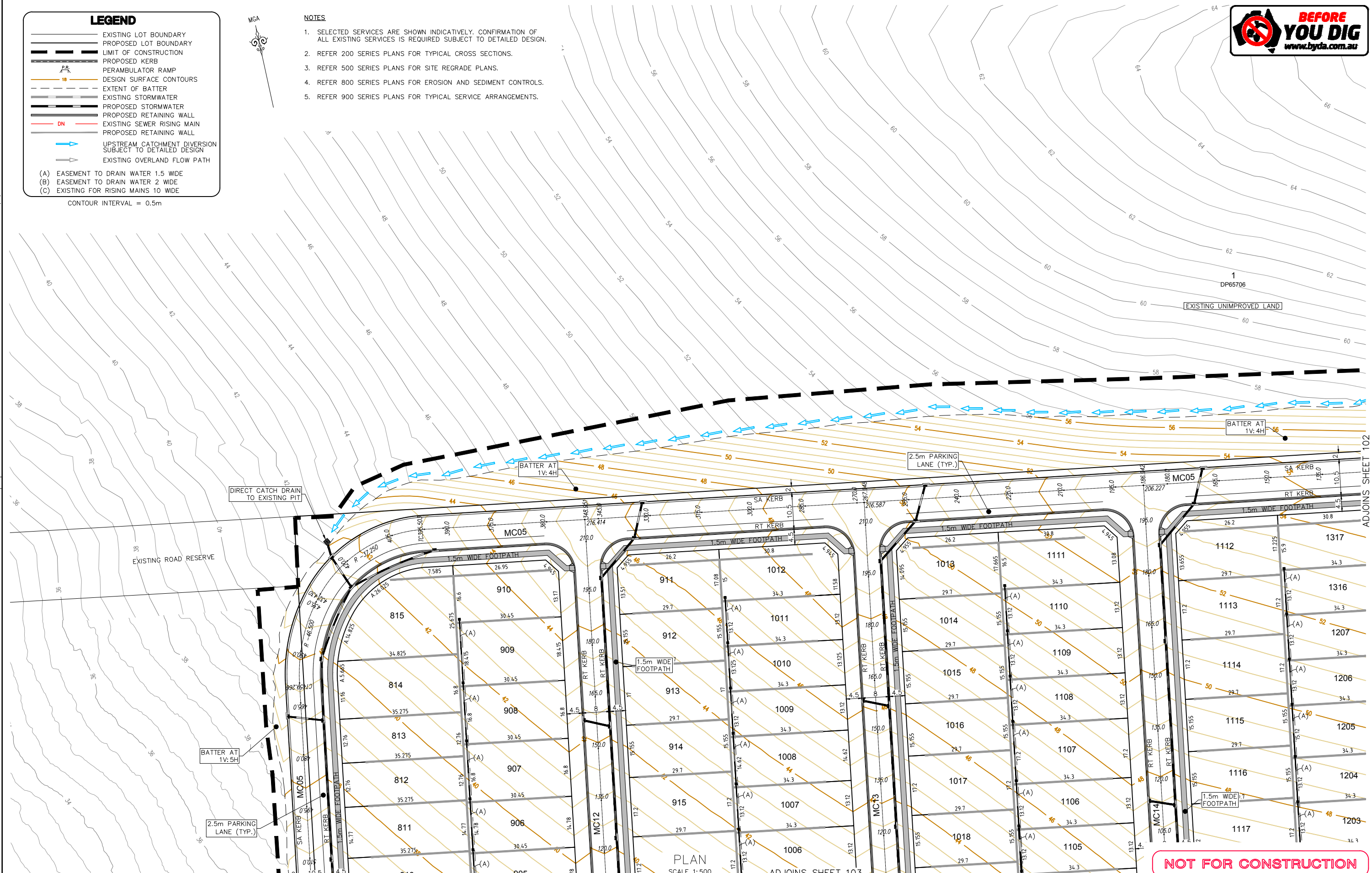
LEGEND

- 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 SEWER RISING MAIN
 - PROPOSED RETAINING WALL
 - 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

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



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PLAN SCALE 1:500

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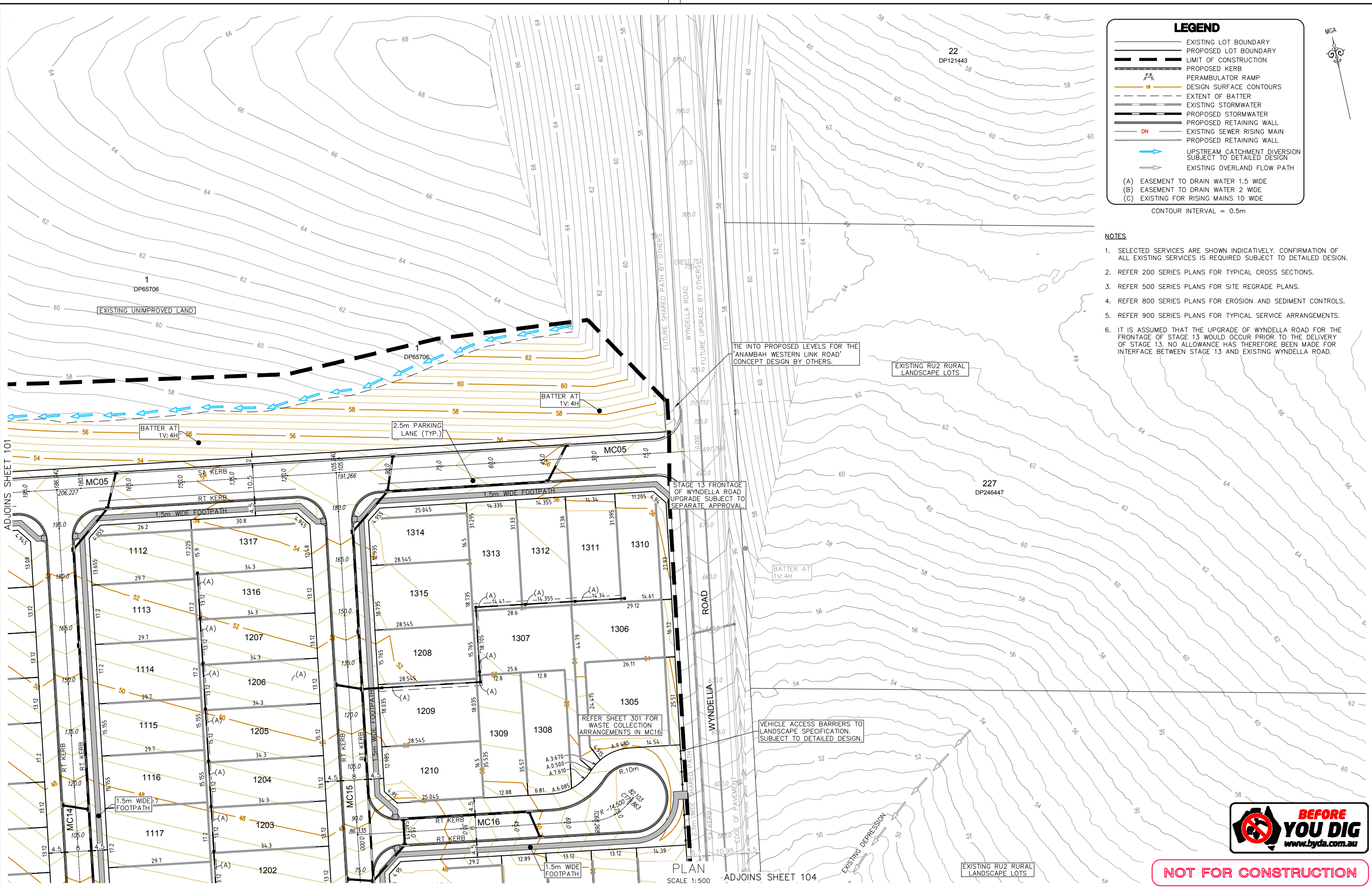
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 ABN 62 129 445 398

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 1	240332	CENG	101	F



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 SEWER RISING MAIN
- PROPOSED RETAINING WALL
- 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.
 6. IT IS ASSUMED THAT THE UPGRADE OF WYNDELLA ROAD FOR THE FRONTAGE OF STAGE 13 WOULD OCCUR PRIOR TO THE DELIVERY OF STAGE 13. NO ALLOWANCE HAS THEREFORE BEEN MADE FOR INTERFACE BETWEEN STAGE 13 AND EXISTING WYNDELLA ROAD.



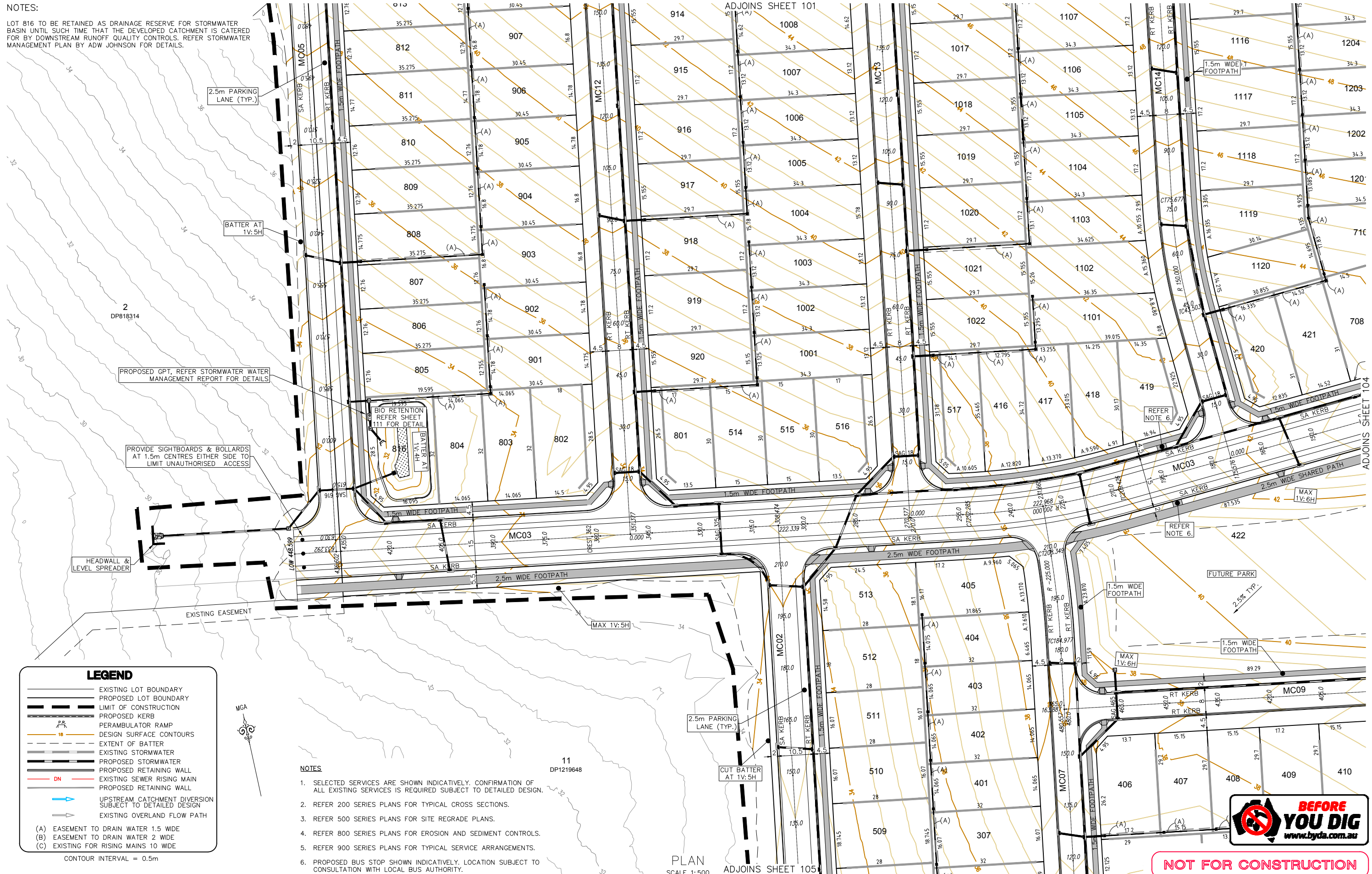
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NOTES:

LOT 816 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(F)



PROPOSED GPT, REFER STORMWATER WATER MANAGEMENT REPORT FOR DETAILS

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

HEADWALL & LEVEL SPREADER

EXISTING EASEMENT

LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- LIMIT OF CONSTRUCTION
- PROPOSED KERB
- PERAMBULATOR RAMP
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- EXISTING STORMWATER
- PROPOSED STORMWATER
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- UPSTREAM CATCHMENT DIVERSION SUBJECT TO DETAILED DESIGN
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 (B) EASEMENT TO DRAIN WATER 2 WIDE
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CONTOUR INTERVAL = 0.5m

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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.
6. PROPOSED BUS STOP SHOWN INDICATIVELY, LOCATION SUBJECT TO CONSULTATION WITH LOCAL BUS AUTHORITY.

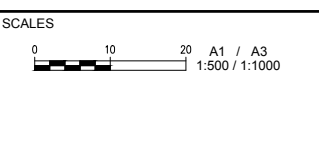
PLAN SCALE 1:500



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.
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.

DRAWN	CHECK	DESIGN	VERIFY
D.N.	M.K.	C.L.	M.L.
A.M.	M.K.	C.L.	M.L.
R.C.	M.K.	M.K.	M.L.
D.W.	M.K.	M.K.	M.L.
A.M.	M.K.	M.K.	M.L.



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 www.adwjohnson.com.au
 ABN 62 129 445 398

CLIENT

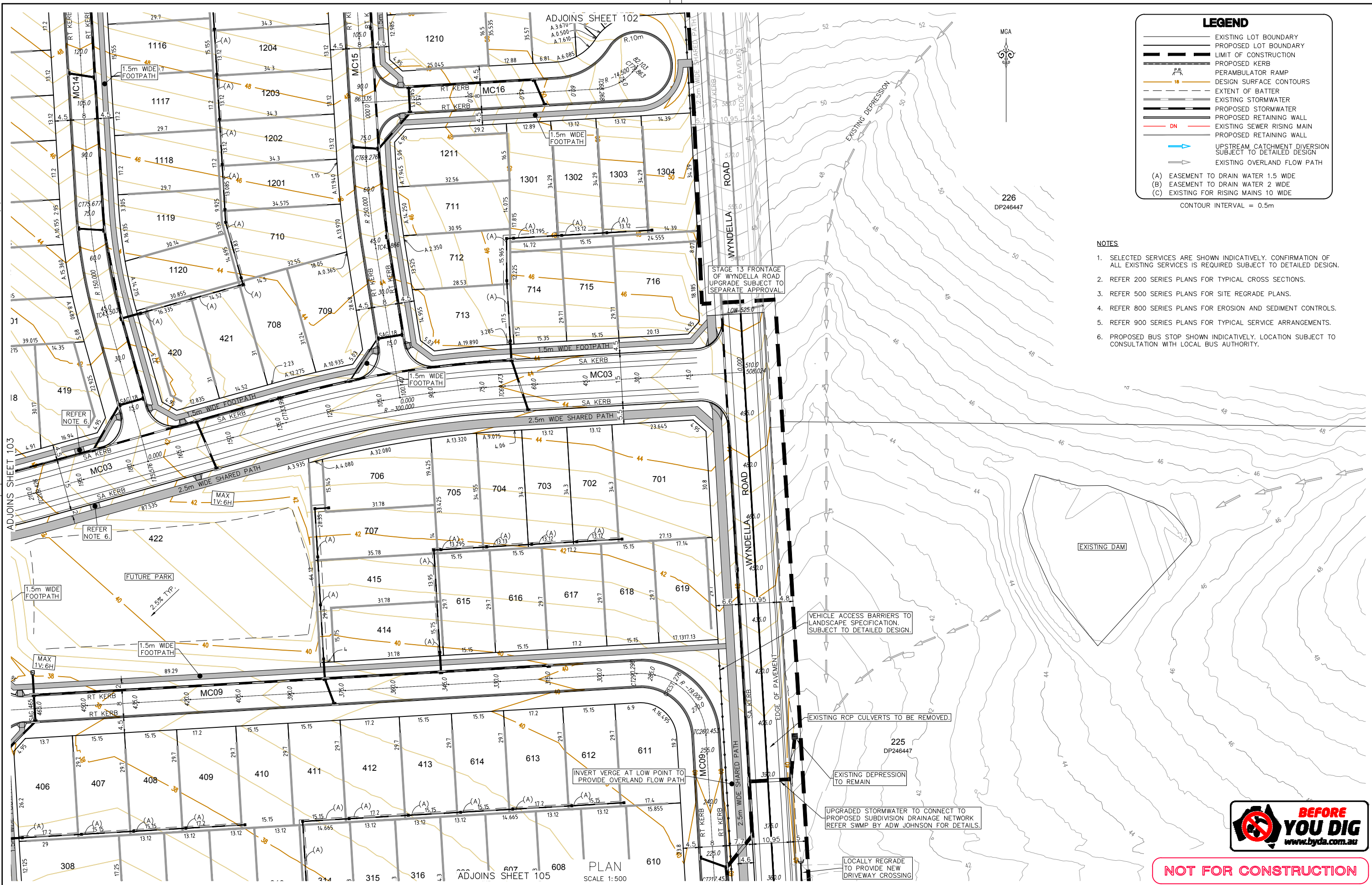
CPG ESTATES

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		DETAIL PLAN: SHEET 3	
PROJECT No.	DISCIPLINE	NUMBER	REV.
240332	CENG	103	F

240332-CENG-104(F)

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 SEWER RISING MAIN
- PROPOSED RETAINING WALL
- 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

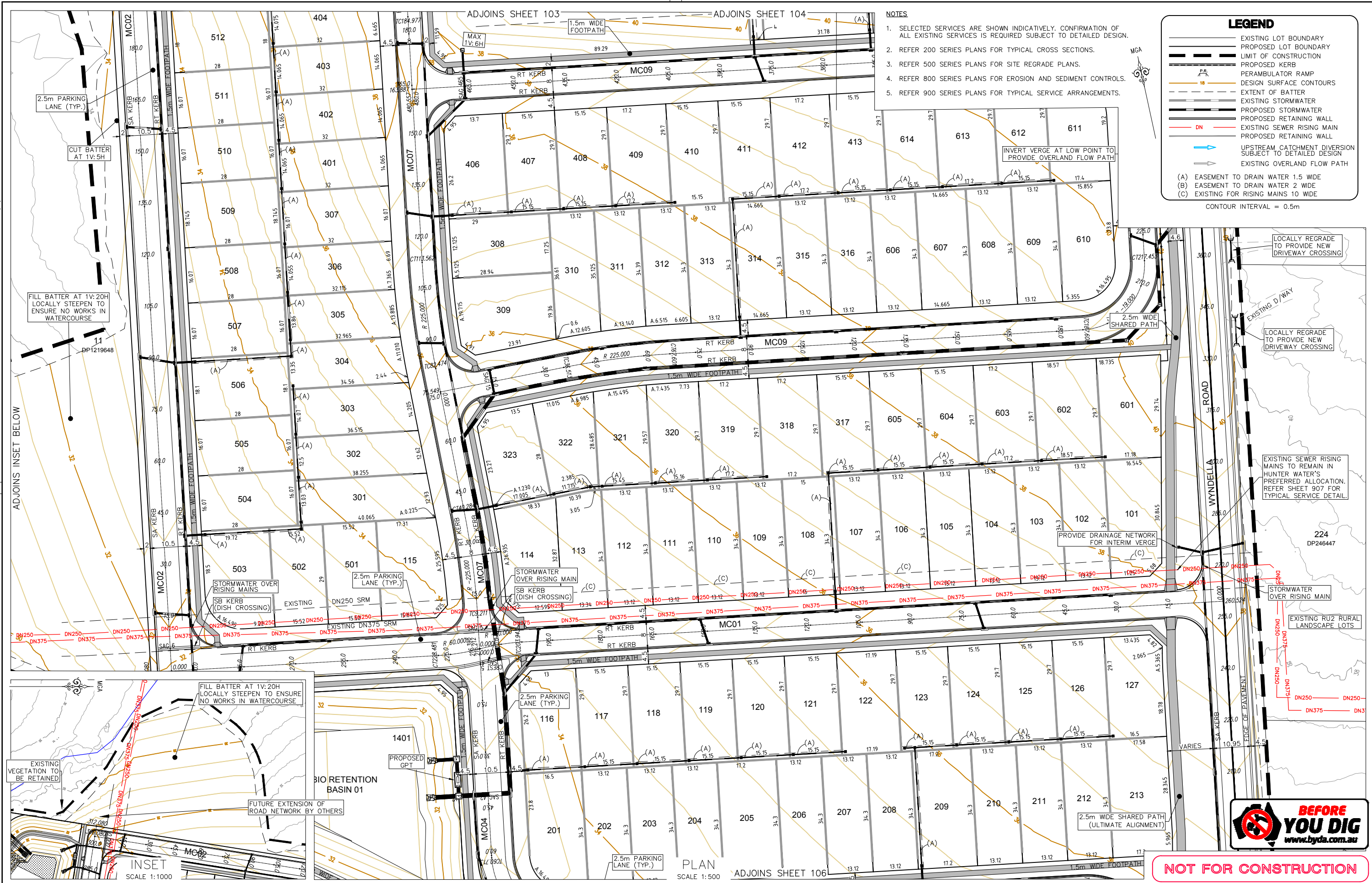
- NOTES**
- SELECTED SERVICES ARE SHOWN INDICATIVELY. CONFIRMATION OF ALL EXISTING SERVICES IS REQUIRED SUBJECT TO DETAILED DESIGN.
 - REFER 200 SERIES PLANS FOR TYPICAL CROSS SECTIONS.
 - REFER 500 SERIES PLANS FOR SITE REGRADE PLANS.
 - REFER 800 SERIES PLANS FOR EROSION AND SEDIMENT CONTROLS.
 - REFER 900 SERIES PLANS FOR TYPICAL SERVICE ARRANGEMENTS.
 - PROPOSED BUS STOP SHOWN INDICATIVELY. LOCATION SUBJECT TO CONSULTATION WITH LOCAL BUS AUTHORITY.



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		
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.				
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.				
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.				
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.				

240332-CENG-105(F)



- 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.

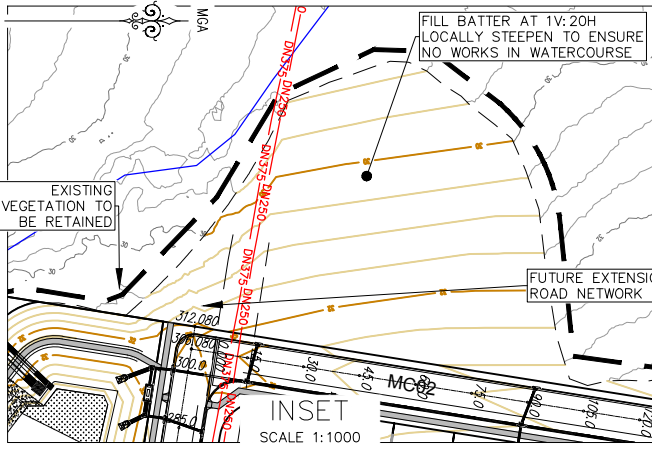
LEGEND

- 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 SEWER RISING MAIN
- PROPOSED RETAINING WALL
- 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

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.



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
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.	
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.	
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.	
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.	

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
A.M.	M.K.	C.L.	M.L.	
R.C.	M.K.	M.K.	M.L.	
D.W.	M.K.	M.K.	M.L.	
A.M.	M.K.	M.K.	M.L.	

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CPG ESTATES

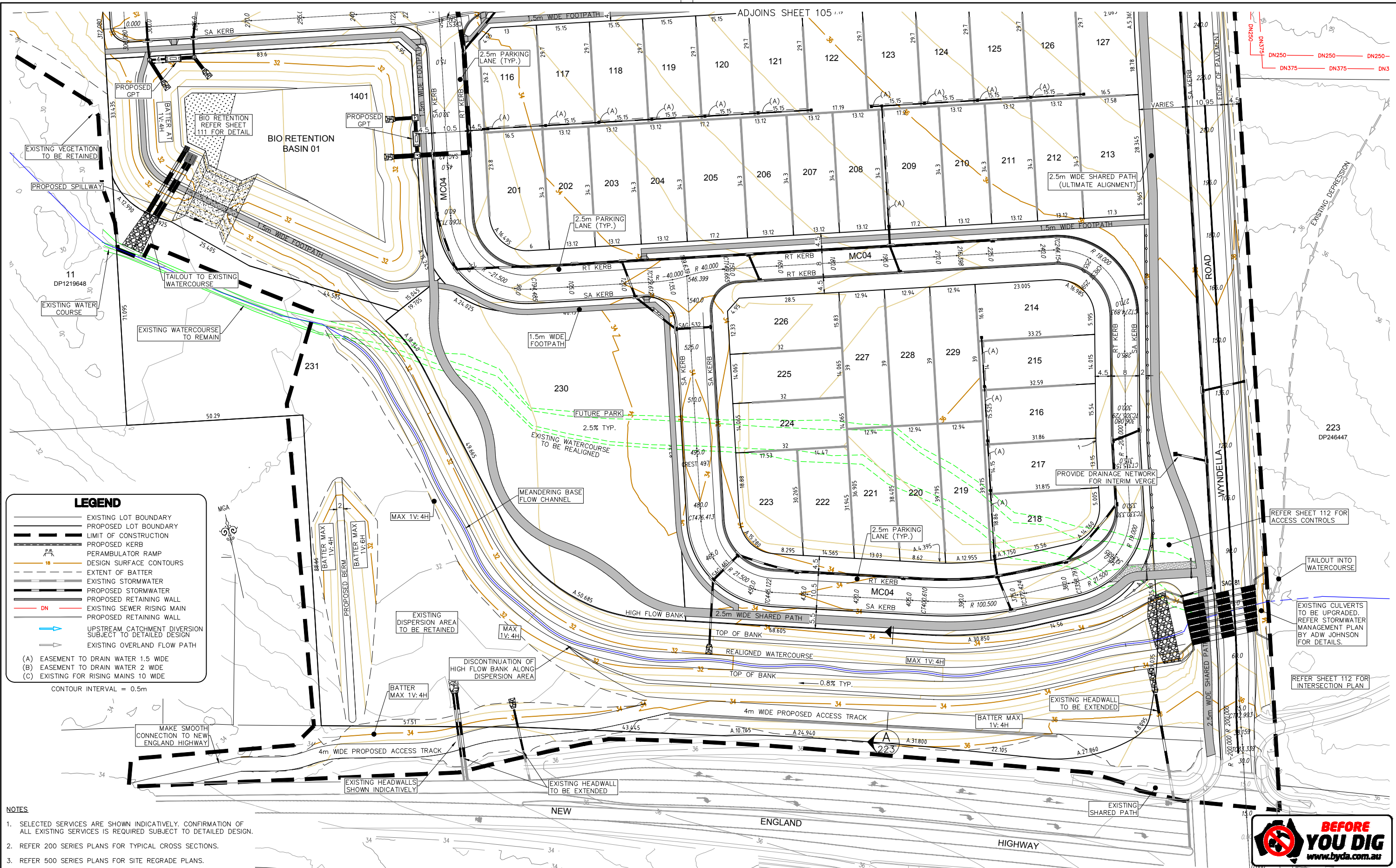
CLIENT

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

240332-CENG-106(F)

100mm AT FULL SIZE
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NOT FOR CONSTRUCTION

- 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	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	A1 / A3
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.	1:500 / 1:1000
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.	
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.	
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.	
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.	

DRAWN	CHECK	DESIGN	VERIFY	SCALES
D.N.	M.K.	C.L.	M.L.	A1 / A3
A.M.	M.K.	C.L.	M.L.	1:500 / 1:1000
R.C.	M.K.	M.K.	M.L.	
D.W.	M.K.	M.K.	M.L.	
A.M.	M.K.	M.K.	M.L.	

adw Johnson

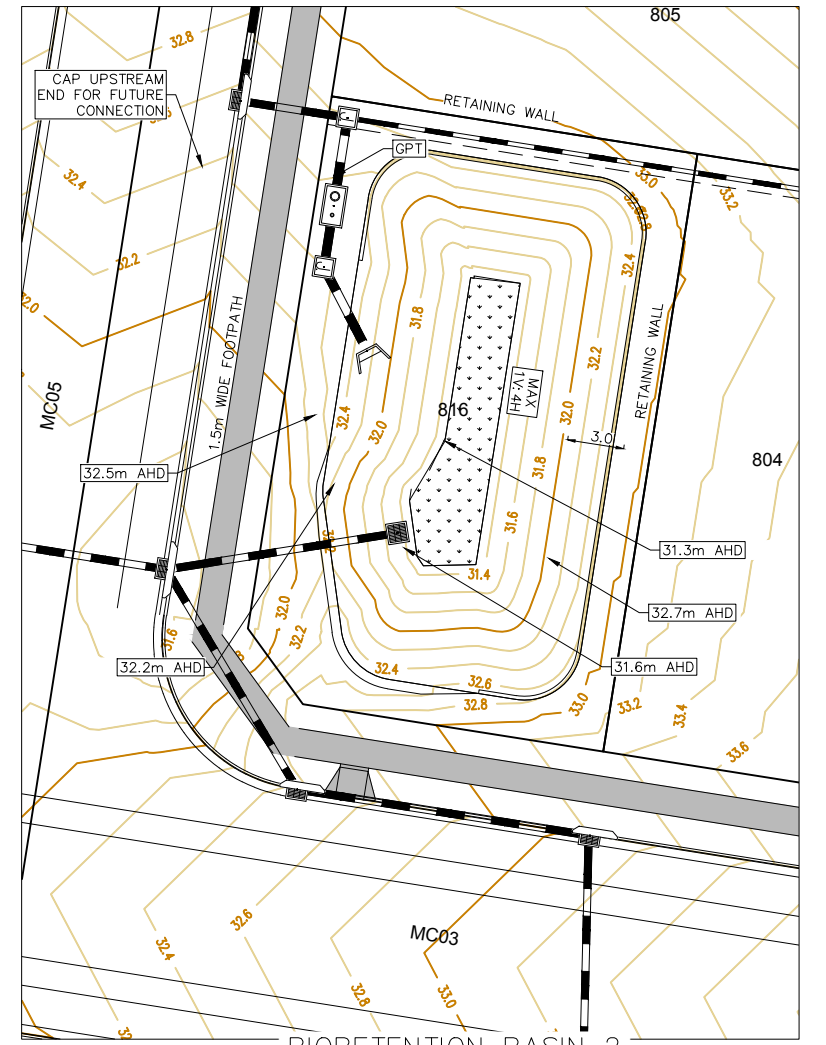
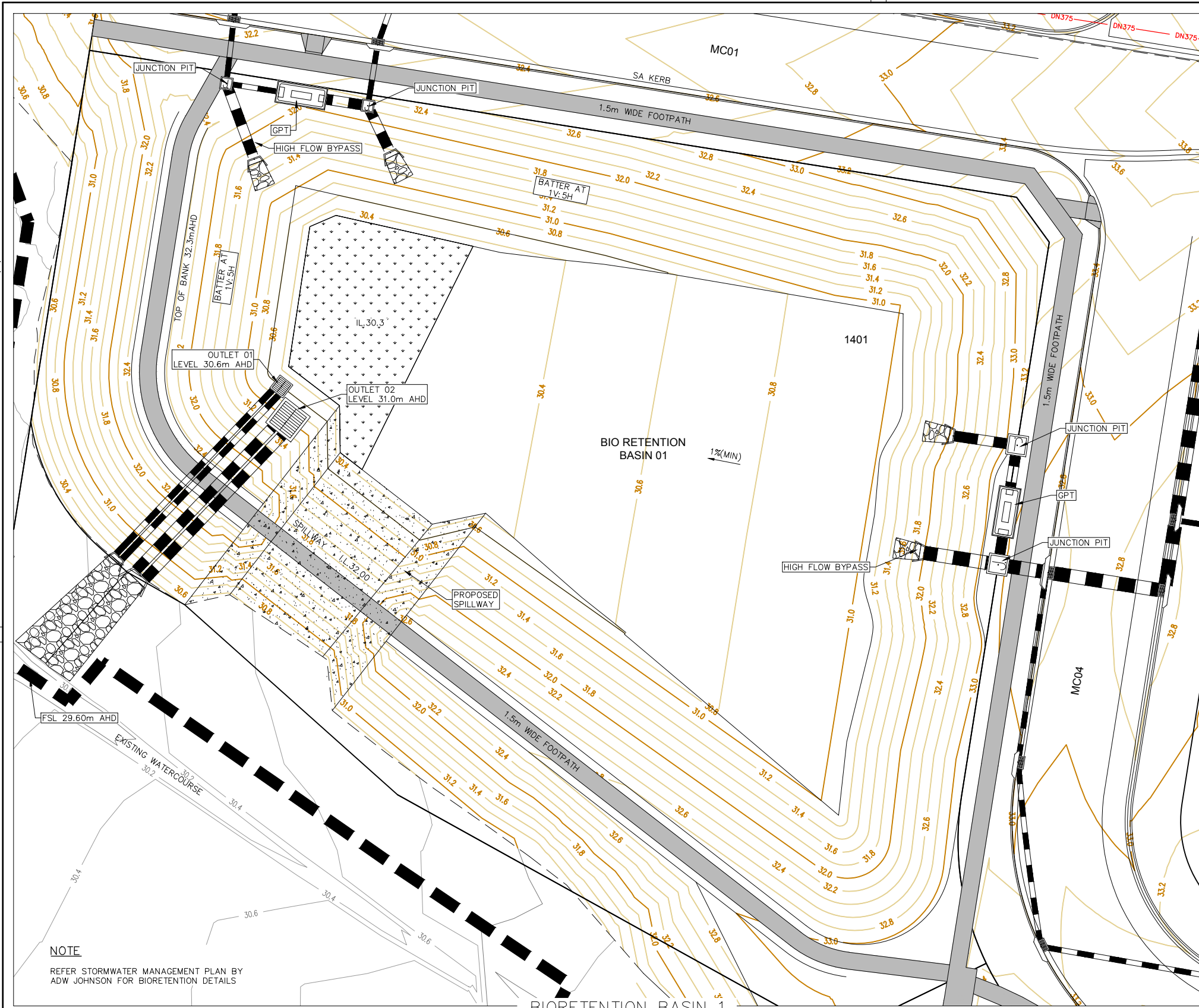
Hunter Office
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email: hunter@adwjohnson.com.au
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ABN 62 129 445 398

CPG ESTATES

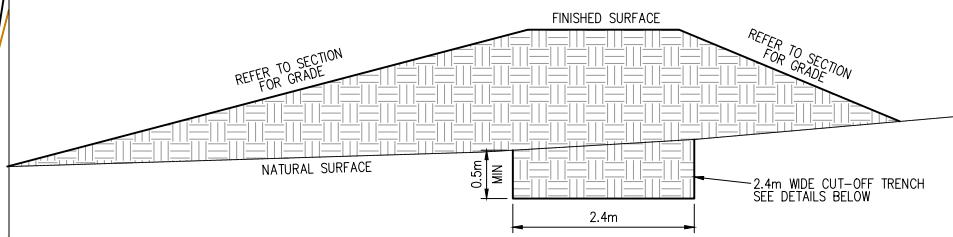
CLIENT
PROPERTY DESCRIPTION
CONCEPT ENGINEERING PLANS FOR
PROPOSED SUBDIVISION
LOT 2, 3, 4, 5, 6 & 9 DP747391
& LOT 12 & 13 DP1219648
WYNDELLA ROAD, LOCHINVAR

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

240332-CENG-111(F)



BIORETENTION BASIN 2
SCALE 1:200



TYPICAL SECTION BASIN WALL
N.T.S.

SUBJECT TO DETAILED DESIGN BY GEOTECHNICAL ENGINEER

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



NOT FOR CONSTRUCTION

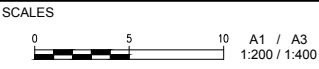
NOTE
REFER STORMWATER MANAGEMENT PLAN BY ADW JOHNSON FOR BIORETENTION DETAILS

BIORETENTION BASIN 1
SCALE 1:200

100mm AT FULL SIZE
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REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.
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F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.

DRAWN	CHECK	DESIGN	VERIFY
D.N.	M.K.	C.L.	M.L.
D.N.	M.K.	C.L.	M.L.
A.M.	M.K.	C.L.	M.L.
R.C.	M.K.	M.K.	M.L.
D.W.	M.K.	M.K.	M.L.
A.M.	M.K.	M.K.	M.L.



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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	BASIN DETAIL PLANS

240332-CENG-112(F)

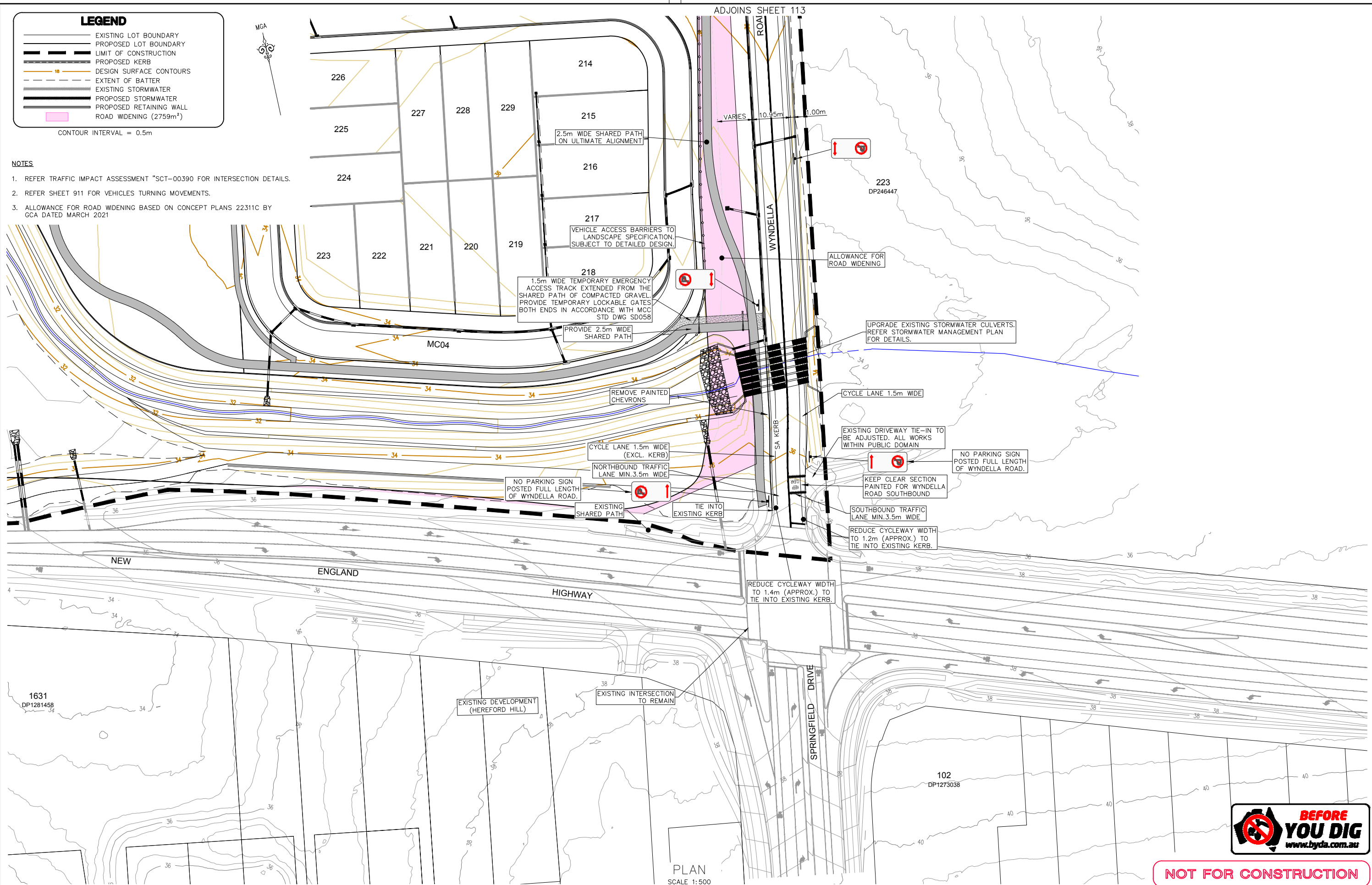
LEGEND

	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 WIDENING (2759m ²)

CONTOUR INTERVAL = 0.5m

NOTES

1. REFER TRAFFIC IMPACT ASSESSMENT "SCT-00390 FOR INTERSECTION DETAILS.
2. REFER SHEET 911 FOR VEHICLES TURNING MOVEMENTS.
3. ALLOWANCE FOR ROAD WIDENING BASED ON CONCEPT PLANS 22311C BY GCA DATED MARCH 2021



PLAN
SCALE 1:500



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.
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.

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

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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		INTERSECTION AND ROAD WIDENING PLAN SHEET 1	
SURVEYED	DATUM	PROJECT No.	DISCIPLINE
ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG
		NUMBER	REV.
		112	F

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-113(F)

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 WIDENING (2759m²)

CONTOUR INTERVAL = 0.5m



- NOTES**
- REFER TRAFFIC IMPACT ASSESSMENT "SCT-00390 FOR INTERSECTION DETAILS.
 - REFER SHEET 911 FOR VEHICLES TURNING MOVEMENTS.
 - ALLOWANCE FOR ROAD WIDENING BASED ON CONCEPT PLANS 22311C BY GCA DATED MARCH 2021



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.



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> <tr> <td>C</td> <td>21.11.2023</td> <td>MINOR AMENDMENTS</td> <td>A.M.</td> <td>M.K.</td> <td>C.L.</td> <td>M.L.</td> </tr> <tr> <td>D</td> <td>14.06.2024</td> <td>AMEND TO COUNCIL COMMENTS</td> <td>R.C.</td> <td>M.K.</td> <td>M.K.</td> <td>M.L.</td> </tr> <tr> <td>E</td> <td>08.07.2024</td> <td>MINOR AMENDMENTS</td> <td>D.W.</td> <td>M.K.</td> <td>M.K.</td> <td>M.L.</td> </tr> <tr> <td>F</td> <td>19.07.2024</td> <td>MINOR AMENDMENTS</td> <td>A.M.</td> <td>M.K.</td> <td>M.K.</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.	C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.	D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.	E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.	F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.	<p>SCALES</p> <p>0 10 20 A1 / A3 1:500 / 1:1000</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>CPGESTATES</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>INTERSECTION AND ROAD WIDENING PLAN SHEET 2</p>	
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY																																																										
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.																																																										
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F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.																																																										
<p>DESIGN FILE N:\240332\Design\12D\</p>		<p>ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE</p>		<p>SURVEYED</p> <p>ADW Johnson</p>		<p>DATUM</p> <p>GDA94 M.G.A. ZONE 56 A.H.D.</p>		<p>PROJECT No.</p> <p>240332</p>		<p>DISCIPLINE</p> <p>CENG</p>		<p>NUMBER</p> <p>113</p>		<p>REV.</p> <p>F</p>																																																		
<p>Plotted By: anthony</p>				<p>Plot Date: 19/07/24 - 15:21</p>				<p>Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-113(F).dwg</p>																																																								

240332-CENG-114(D)

LEGEND

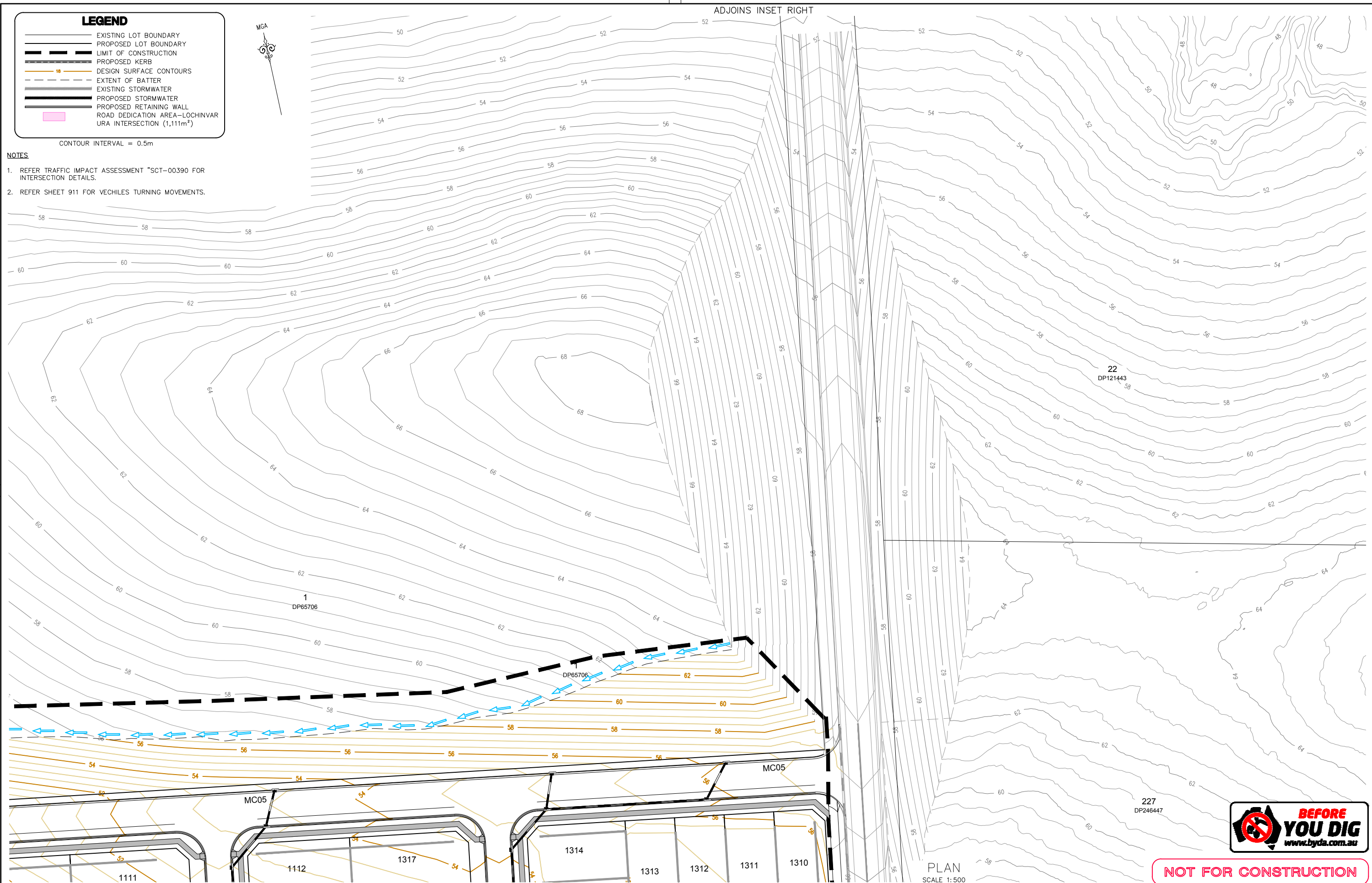
	EXISTING LOT BOUNDARY
	PROPOSED LOT BOUNDARY
	LIMIT OF CONSTRUCTION
	PROPOSED KERB
	DESIGN SURFACE CONTOURS
	EXTENT OF BATTER
	EXISTING STORMWATER
	PROPOSED STORMWATER
	PROPOSED RETAINING WALL
	ROAD DEDICATION AREA-LOCHINVAR URA INTERSECTION (1,111m ²)



CONTOUR INTERVAL = 0.5m

NOTES

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



ADJOINS INSET RIGHT

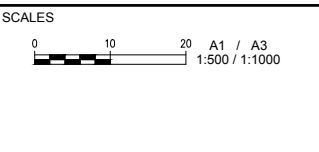
100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT
A	22.03.2023	INITIAL ISSUE
B	21.04.2023	MINOR AMENDMENTS
C	21.11.2023	MINOR AMENDMENTS
D	14.06.2024	AMEND TO COUNCIL COMMENTS
E	08.07.2024	MINOR AMENDMENTS
F	19.07.2024	MINOR AMENDMENTS

DRAWN	CHECK	DESIGN	VERIFY
D.N.	M.K.	C.L.	M.L.
A.M.	M.K.	C.L.	M.L.
R.C.	M.K.	M.K.	M.L.
D.W.	M.K.	M.K.	M.L.
A.M.	M.K.	M.K.	M.L.



adw Johnson

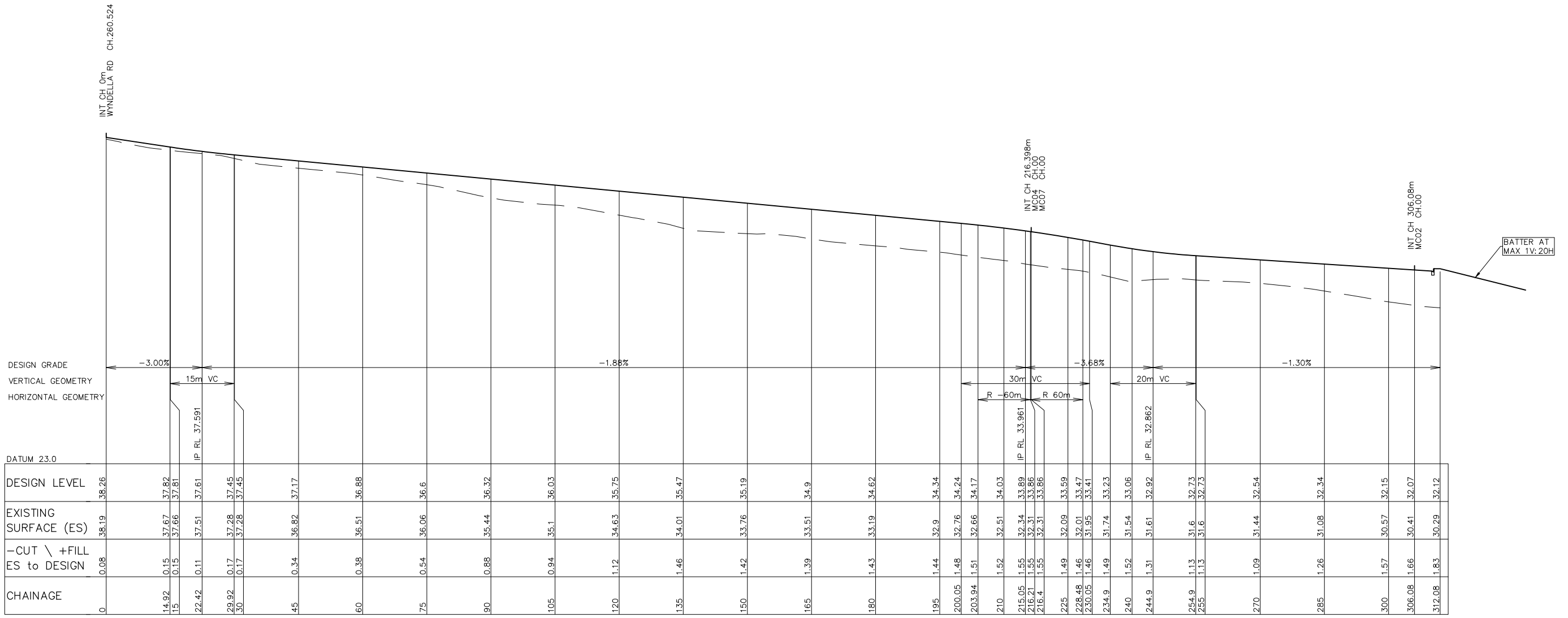
Hunter Office
Unit 7/335 Hillsborough Rd
Warners Bay N.S.W. 2282
Phone: (02) 4978 5100
Fax: (02) 4978 5199
email: hunter@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT

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		DISCIPLINE		NUMBER	REV.
WYNDELLA ROAD LOCHINVAR		CENG		114	D
PROJECT No.	240332	DISCIPLINE	CENG	NUMBER	114

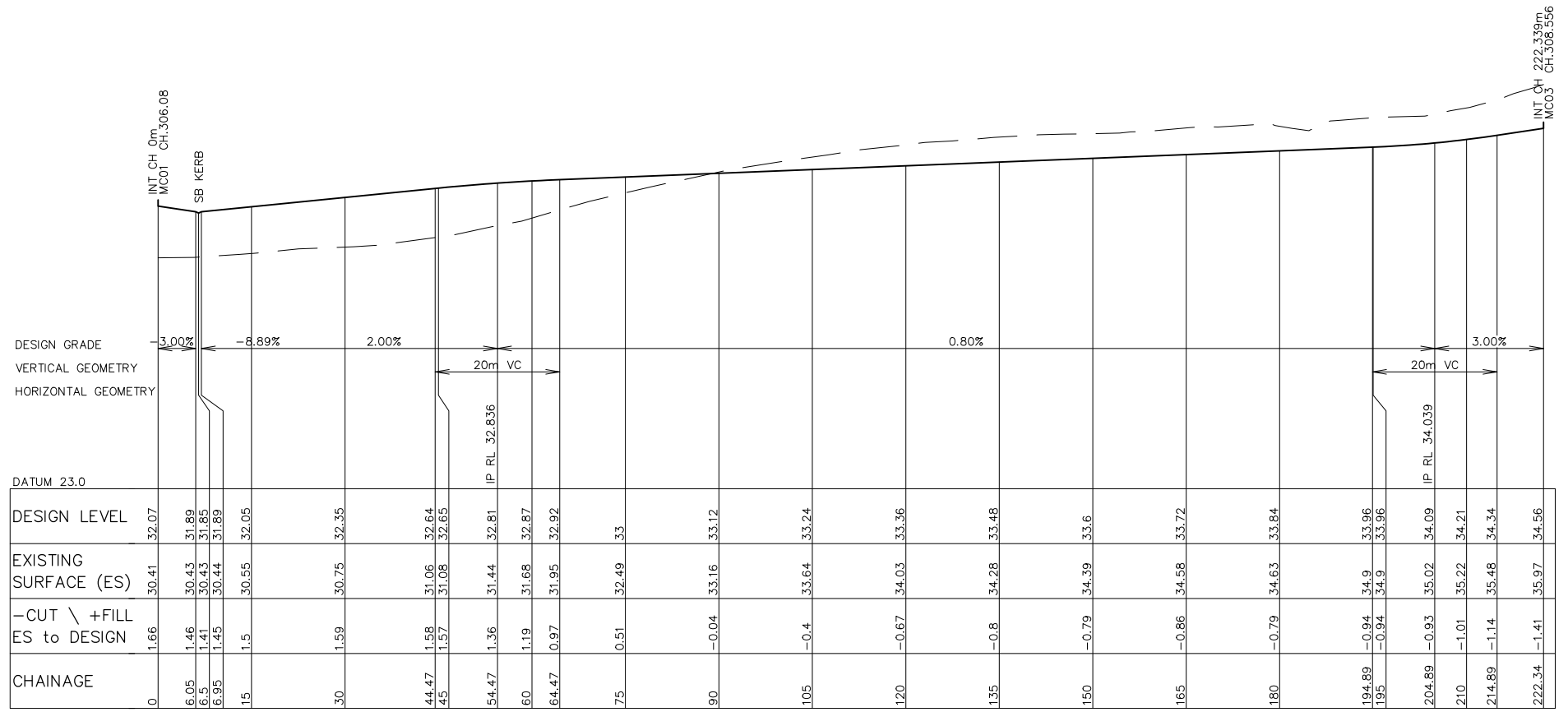


LONGITUDINAL SECTION MC01

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

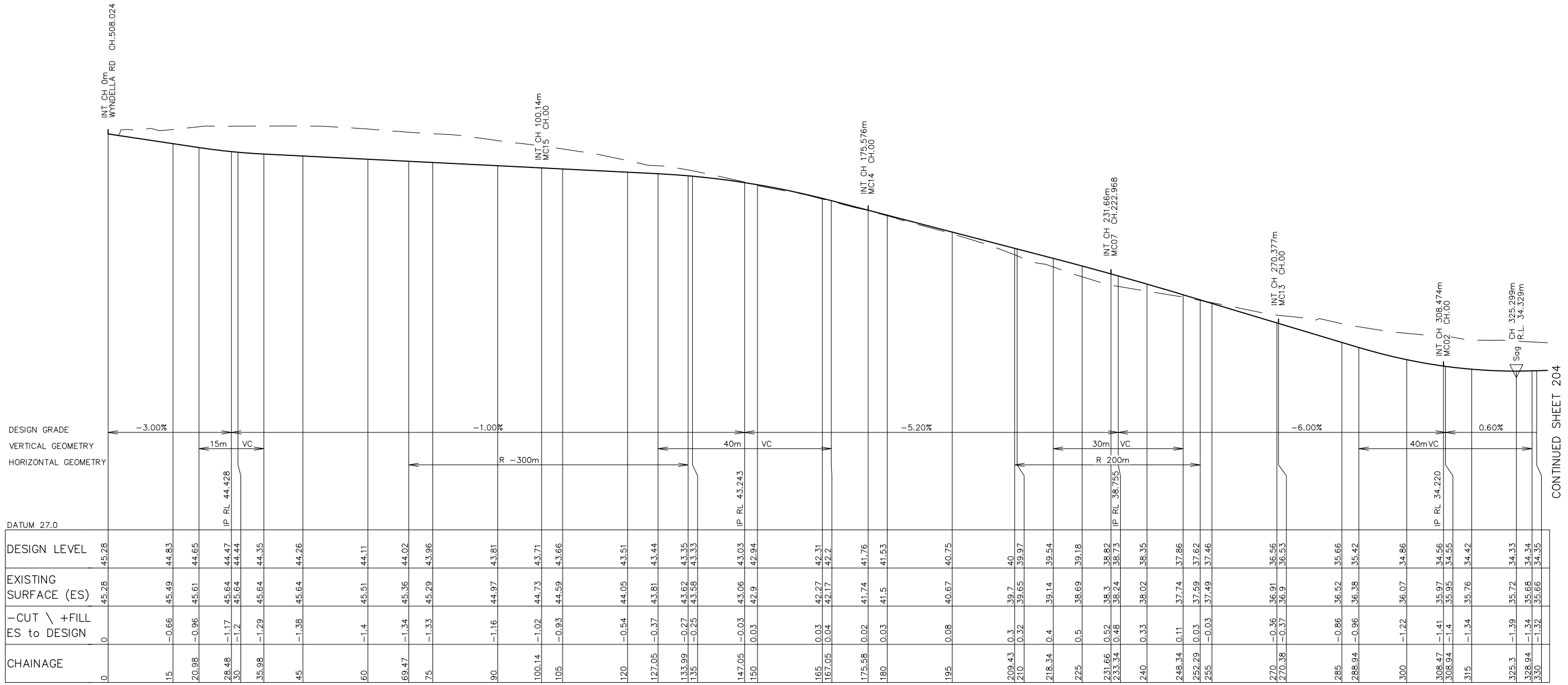
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 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.				PLAN TITLE ROAD LONGITUDINAL SECTION: MC01
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.				
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.				
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.				
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.				
DESIGN FILE N:\240332\Design\12D\								ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE		PROJECT No. 240332 - DISCIPLINE CENG - NUMBER 201 - REV. F



LONGITUDINAL SECTION MC02
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

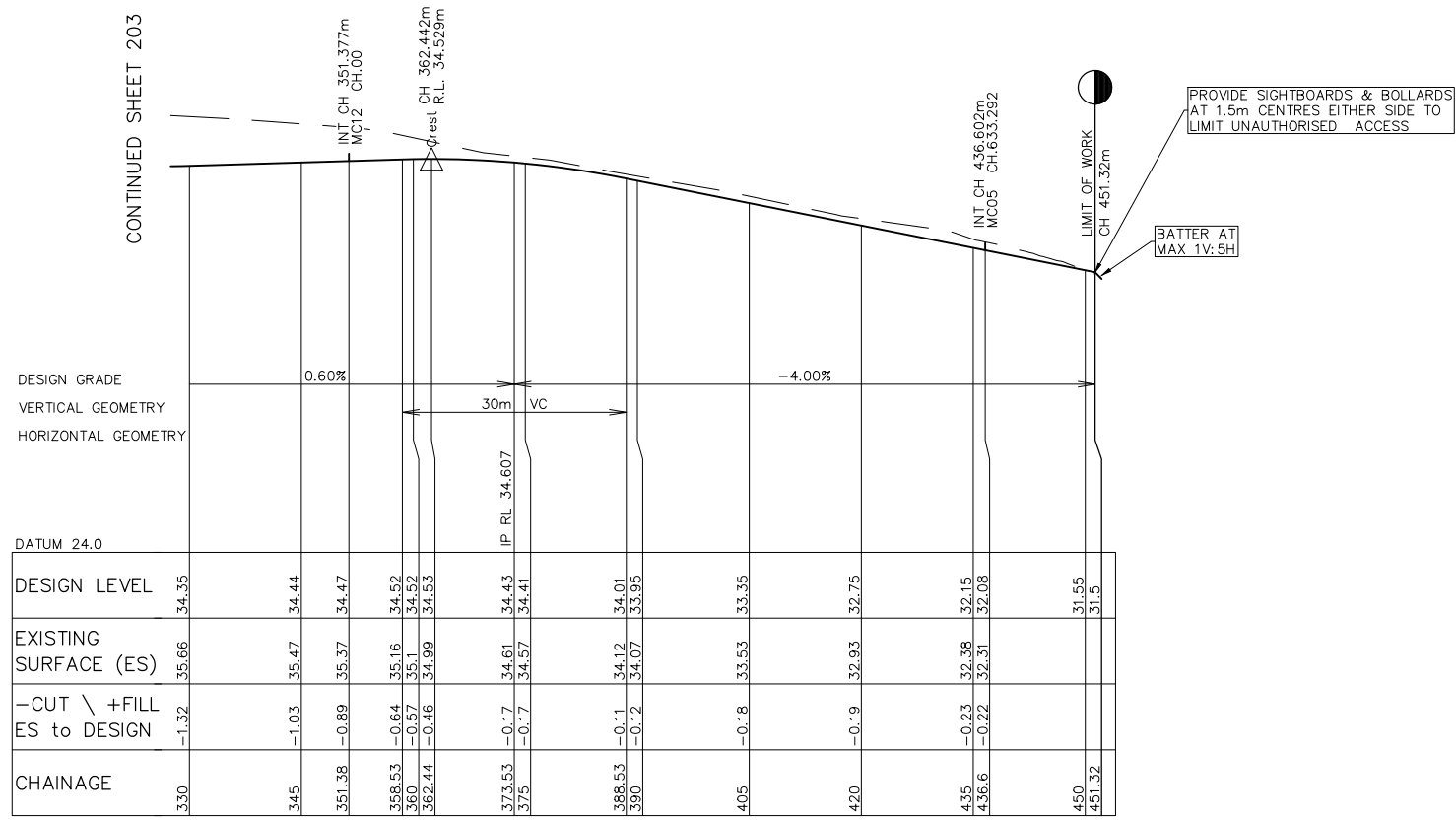
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	 Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT	CPGESTATES CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR	PROJECT WYNDELLA ROAD LOCHINVAR PLAN TITLE ROAD LONGITUDINAL SECTION: MC02			
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	VERT 0 2 4 1:100 / 1:200 A1 / A3	CLIENT CPGESTATES 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: MC02					
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.	HORIZ 0 10 20 1:500 / 1:1000 A1 / A3							
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.								
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.								
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.								
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	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.	PROJECT No. 240332	DISCIPLINE CENG	NUMBER 202	REV. F



LONGITUDINAL SECTION MC03
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> <tr><td>C</td><td>21.11.2023</td><td>MINOR AMENDMENTS</td><td>A.M.</td><td>M.K.</td><td>C.L.</td><td>M.L.</td></tr> <tr><td>D</td><td>14.06.2024</td><td>AMEND TO COUNCIL COMMENTS</td><td>R.C.</td><td>M.K.</td><td>M.K.</td><td>M.L.</td></tr> <tr><td>E</td><td>08.07.2024</td><td>MINOR AMENDMENTS</td><td>D.W.</td><td>M.K.</td><td>M.K.</td><td>M.L.</td></tr> <tr><td>F</td><td>19.07.2024</td><td>MINOR AMENDMENTS</td><td>A.M.</td><td>M.K.</td><td>M.K.</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.	C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.	D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.	E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.	F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.	<p>SCALES</p> <p>VERT 1:100 / 1:200</p> <p>HORIZ 1:500 / 1:1000</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>CPGESTATES</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: MC03 SHEET 1</p>	<table border="1"> <tr> <th>DESIGN FILE</th> <th>ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE</th> </tr> <tr> <td>N:\240332\Design\12D\</td> <td></td> </tr> </table>	DESIGN FILE	ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE	N:\240332\Design\12D\		<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>203</td> <td>F</td> </tr> </table>	SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.	ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG	203	F
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY																																																																		
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ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG	203	F																																																																			

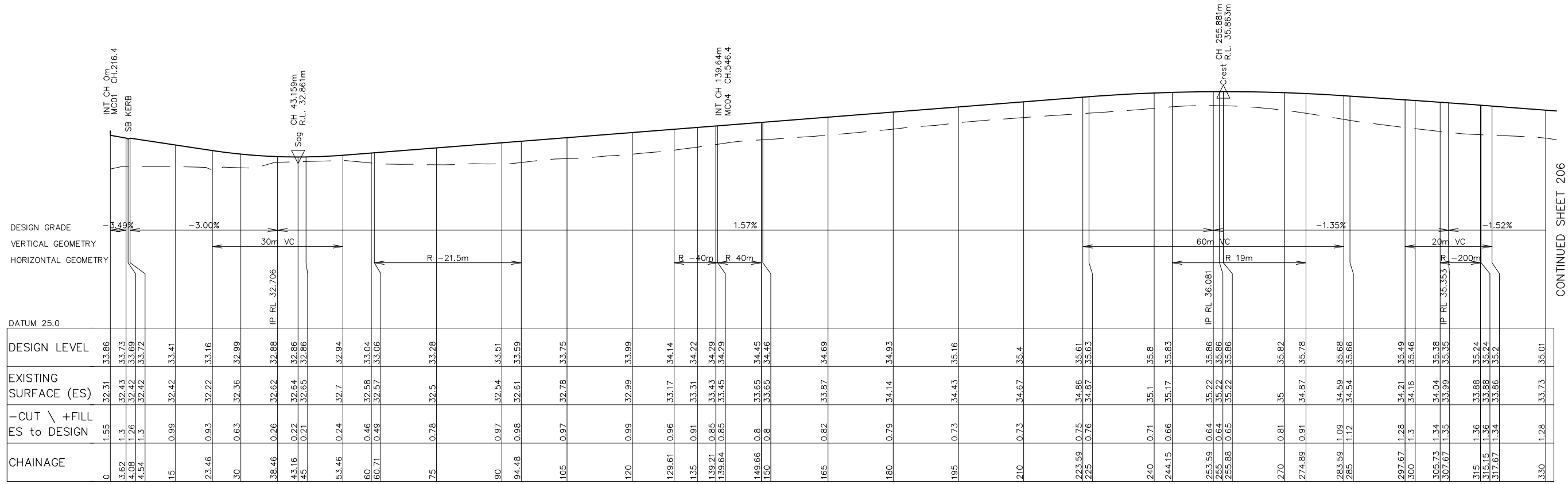


LONGITUDINAL SECTION MC03

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th>REV.</th><th>DATE</th><th>AMENDMENT</th></tr> <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> <tr><td>C</td><td>21.11.2023</td><td>MINOR AMENDMENTS</td></tr> <tr><td>D</td><td>14.06.2024</td><td>AMEND TO COUNCIL COMMENTS</td></tr> <tr><td>E</td><td>08.07.2024</td><td>MINOR AMENDMENTS</td></tr> <tr><td>F</td><td>19.07.2024</td><td>MINOR AMENDMENTS</td></tr> </table>	REV.	DATE	AMENDMENT	A	22.03.2023	INITIAL ISSUE	B	21.04.2023	MINOR AMENDMENTS	C	21.11.2023	MINOR AMENDMENTS	D	14.06.2024	AMEND TO COUNCIL COMMENTS	E	08.07.2024	MINOR AMENDMENTS	F	19.07.2024	MINOR AMENDMENTS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th>DRAWN</th><th>CHECK</th><th>DESIGN</th><th>VERIFY</th></tr> <tr><td>D.N.</td><td>M.K.</td><td>C.L.</td><td>M.L.</td></tr> <tr><td>A.M.</td><td>M.K.</td><td>C.L.</td><td>M.L.</td></tr> <tr><td>R.C.</td><td>M.K.</td><td>M.K.</td><td>M.L.</td></tr> <tr><td>D.W.</td><td>M.K.</td><td>M.K.</td><td>M.L.</td></tr> <tr><td>A.M.</td><td>M.K.</td><td>M.K.</td><td>M.L.</td></tr> </table>	DRAWN	CHECK	DESIGN	VERIFY	D.N.	M.K.	C.L.	M.L.	A.M.	M.K.	C.L.	M.L.	R.C.	M.K.	M.K.	M.L.	D.W.	M.K.	M.K.	M.L.	A.M.	M.K.	M.K.	M.L.	<p>SCALES</p> <p>VERT </p> <p>HORIZ </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>CLIENT</p> <p>CPGESTATES</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: MC03 SHEET 2</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <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>204</td> <td>F</td> </tr> </table>	SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.	ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG	204	F
REV.	DATE	AMENDMENT																																																														
A	22.03.2023	INITIAL ISSUE																																																														
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ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG	204	F																																																											



CHAINAGE	- CUT \ + FILL ES to DESIGN	DESIGN LEVEL	EXISTING SURFACE (ES)
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4.08	1.26	33.69	32.42
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38.46	0.26	32.88	32.62
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53.46	0.24	32.84	32.7
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75	0.78	33.28	32.5
90	0.97	33.51	32.54
94.48	0.98	33.59	32.61
105	0.97	33.75	32.78
120	0.99	33.99	32.99
129.61	0.96	34.14	33.17
135	0.91	34.22	33.31
139.21	0.85	34.29	33.43
139.64	0.85	34.29	33.45
149.66	0.8	34.45	33.65
150	0.8	34.46	33.65
165	0.82	34.69	33.87
180	0.79	34.83	34.14
195	0.73	35.16	34.43
210	0.73	35.4	34.67
223.59	0.75	35.61	34.86
225	0.76	35.63	34.87
240	0.71	35.8	35.1
244.15	0.66	35.83	35.17
253.59	0.64	35.86	35.22
255	0.64	35.86	35.22
255.88	0.65	35.86	35.22
270	0.81	35.82	35
274.89	0.91	35.78	34.87
283.59	1.09	35.68	34.59
285	1.12	35.66	34.54
297.67	1.28	35.49	34.21
300	1.3	35.46	34.16
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307.67	1.35	35.35	33.99
315	1.36	35.24	33.88
315.15	1.36	35.24	33.88
317.67	1.34	35.2	33.86
330	1.28	35.01	33.73

LONGITUDINAL SECTION MC04
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.
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.
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F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.

SCALES
VERT A1 / A3 1:100 / 1:200
HORIZ A1 / A3 1:500 / 1:1000

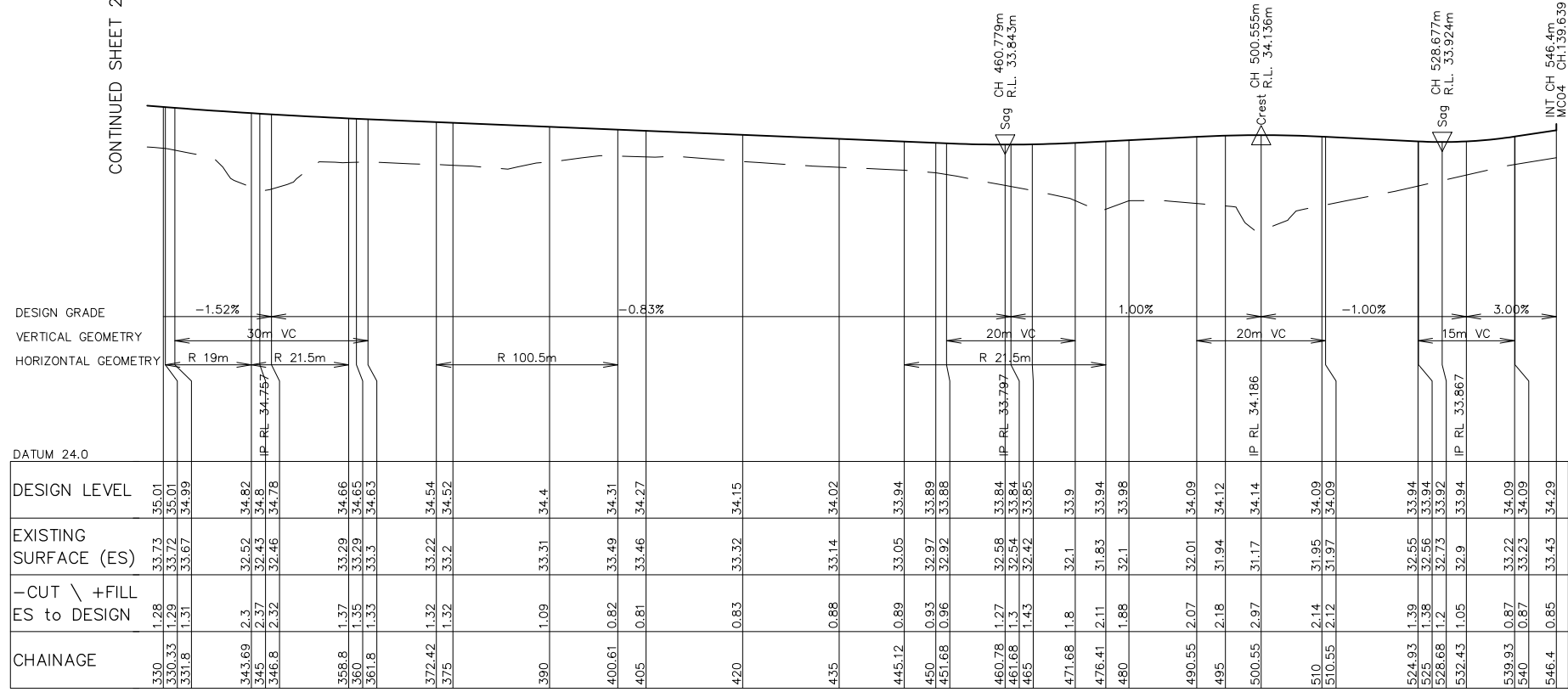
adw Johnson
Hunter Office
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ABN 62 129 445 398

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		PLAN TITLE	
WYNDELLA ROAD LOCHINVAR		ROAD LONGITUDINAL SECTION: MC04 SHEET 1	
SURVEYED	DATUM	PROJECT No.	DISCIPLINE
ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG
		NUMBER	REV.
		205	F

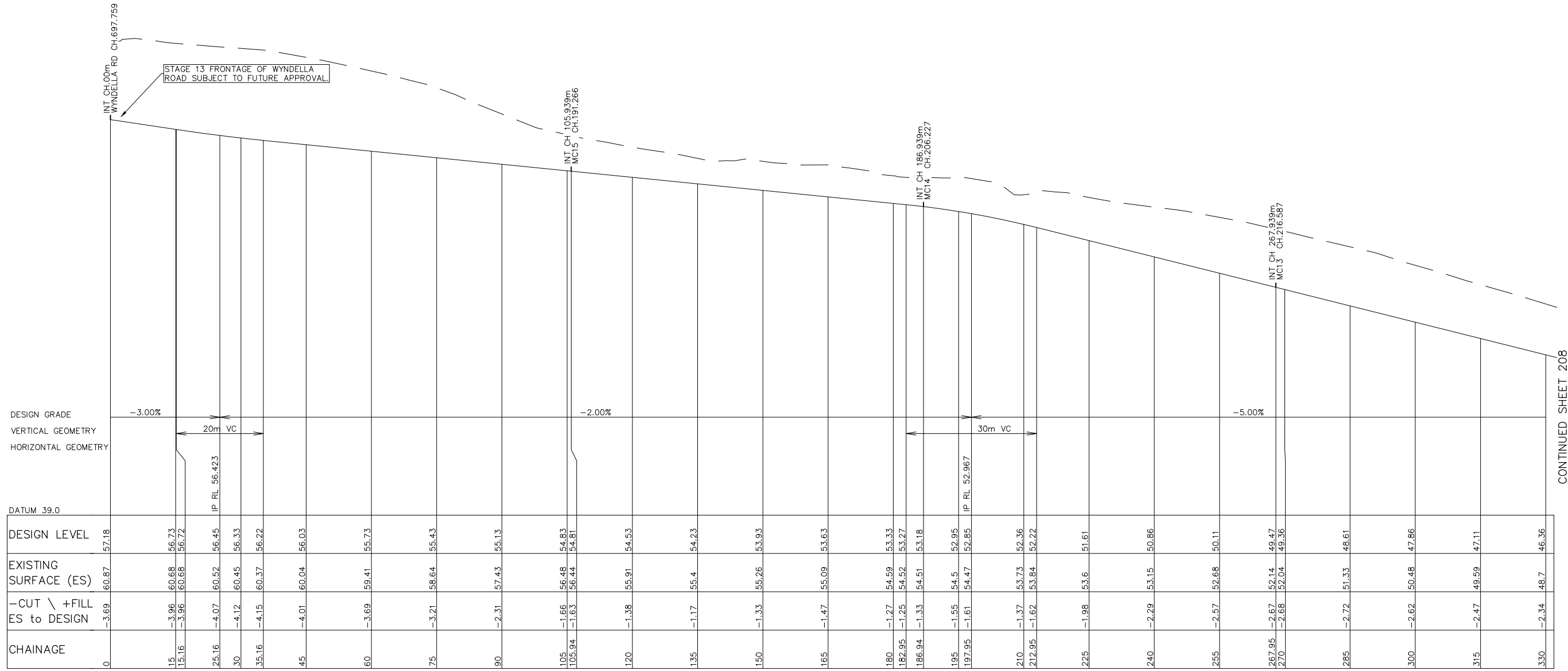
CONTINUED SHEET 205



LONGITUDINAL SECTION MC04
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.		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.				PLAN TITLE	
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.				ROAD LONGITUDINAL SECTION: MC04 SHEET 2	
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.					
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.					
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	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: anthony			Plot Date: 19/07/24 - 15:21			Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-206(F).dwg		PROJECT No. 240332		DISCIPLINE - CENG -	
								NUMBER - 206 -		REV. - F -	



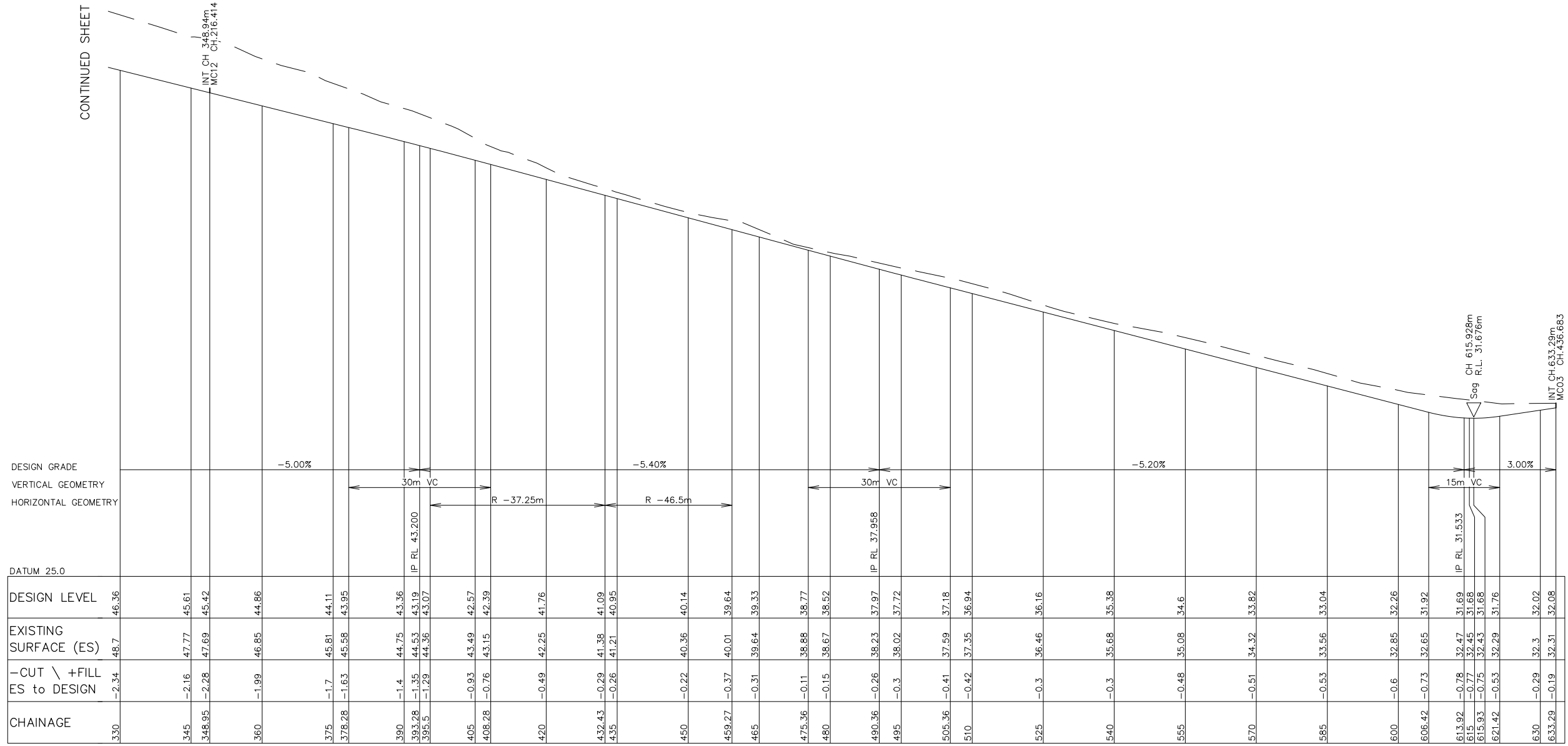
CONTINUED SHEET 208

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

NOT FOR CONSTRUCTION

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CONTINUED SHEET 207

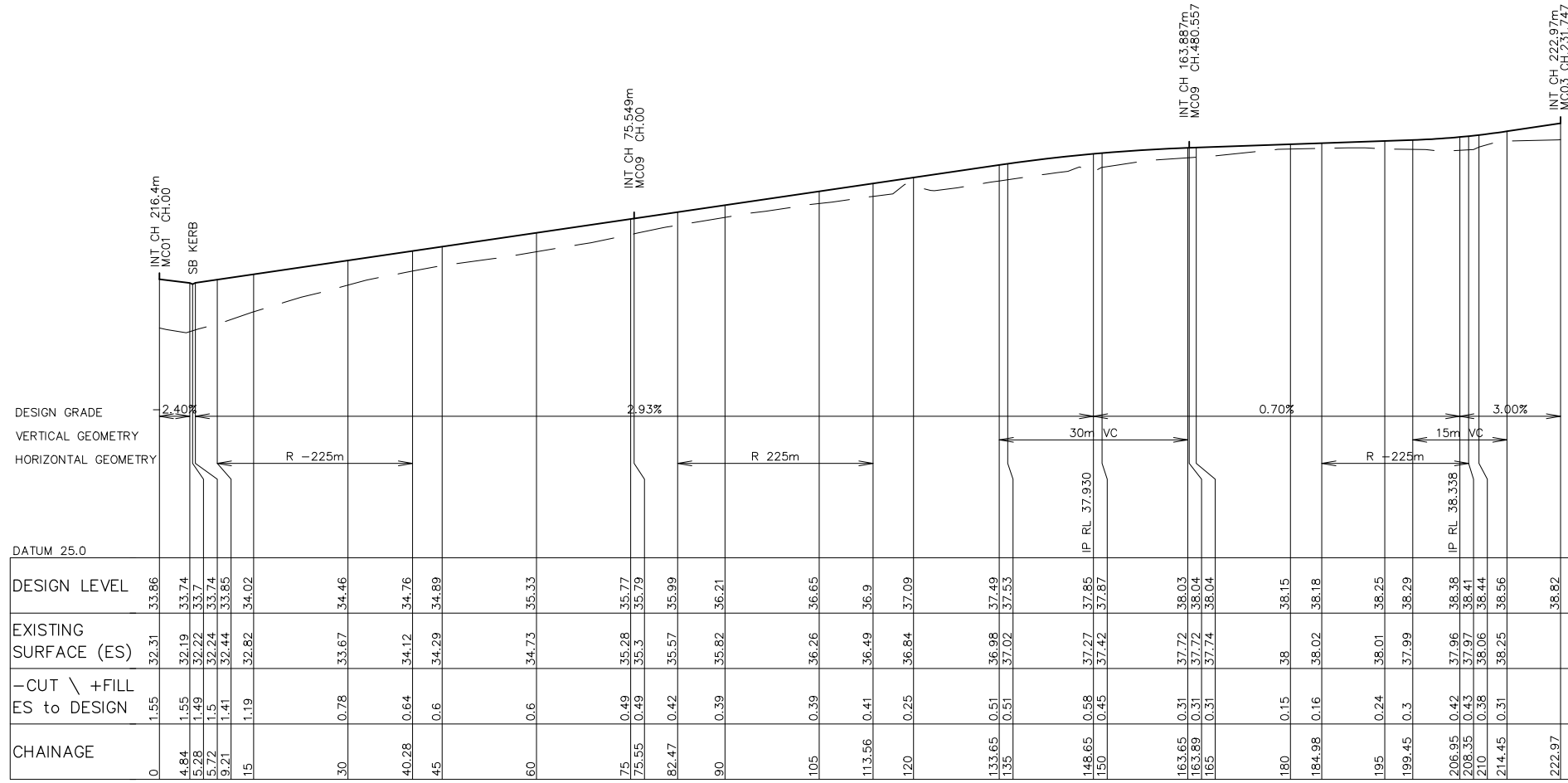


LONGITUDINAL SECTION MC05

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

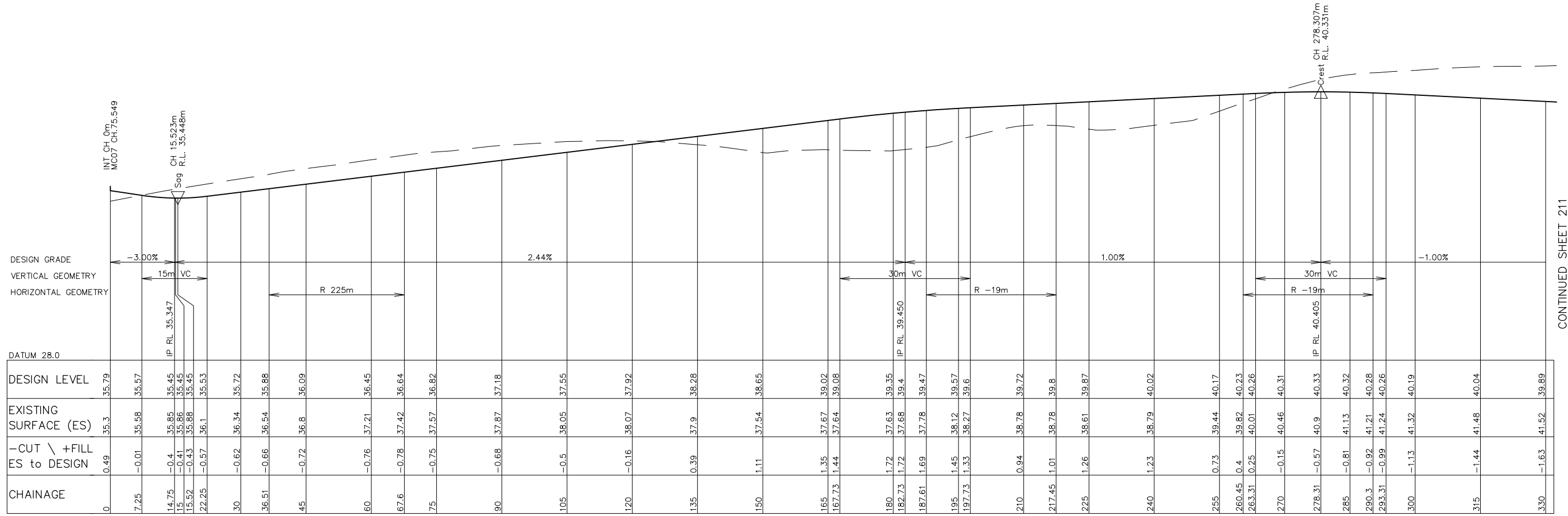
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LONGITUDINAL SECTION MC07
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

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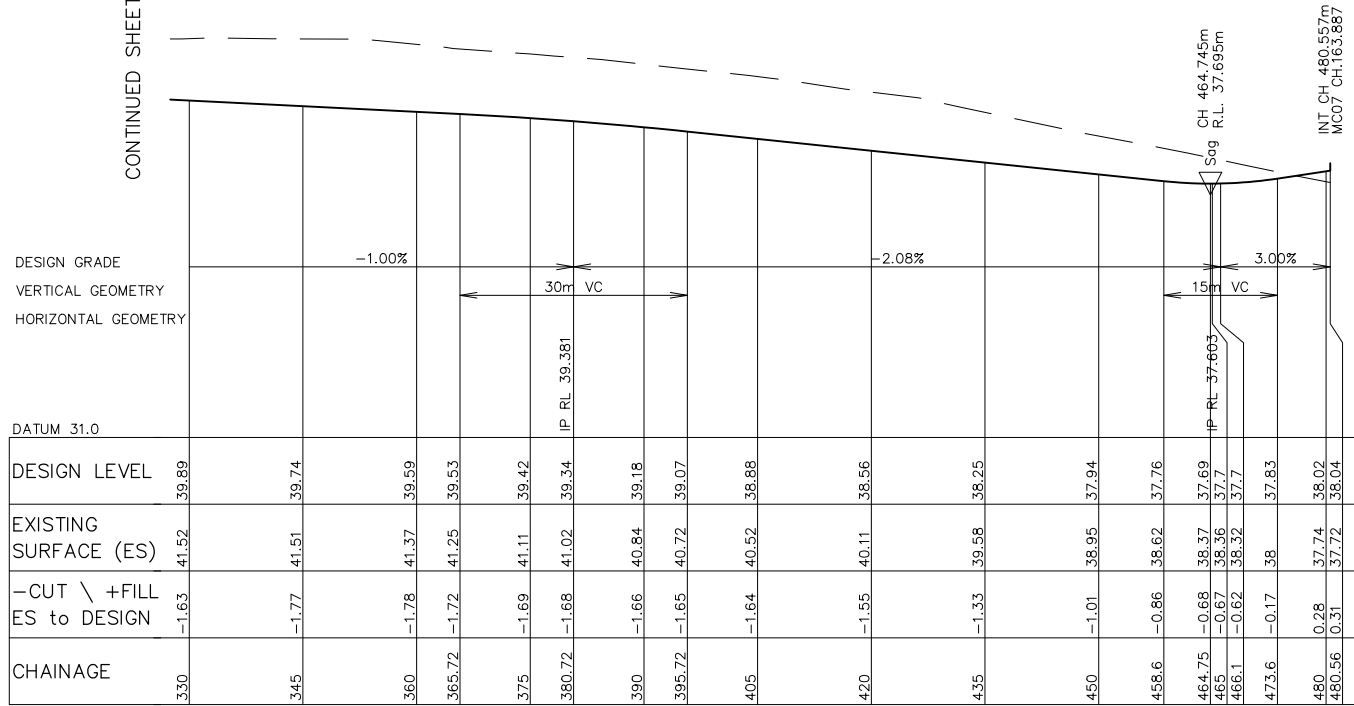
LONGITUDINAL SECTION MC09
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

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 1:100 / 1:200		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	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
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.	HORIZ 1:500 / 1:1000				PROJECT No. 240332 - DISCIPLINE CENG - NUMBER 210 - REV. F
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D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.					
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.					
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CONTINUED SHEET 211

CONTINUED SHEET 210



LONGITUDINAL SECTION MC09

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

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REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
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F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.

DRAWN	CHECK	DESIGN	VERIFY
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A.M.	M.K.	C.L.	M.L.
R.C.	M.K.	M.K.	M.L.
D.W.	M.K.	M.K.	M.L.
A.M.	M.K.	M.K.	M.L.

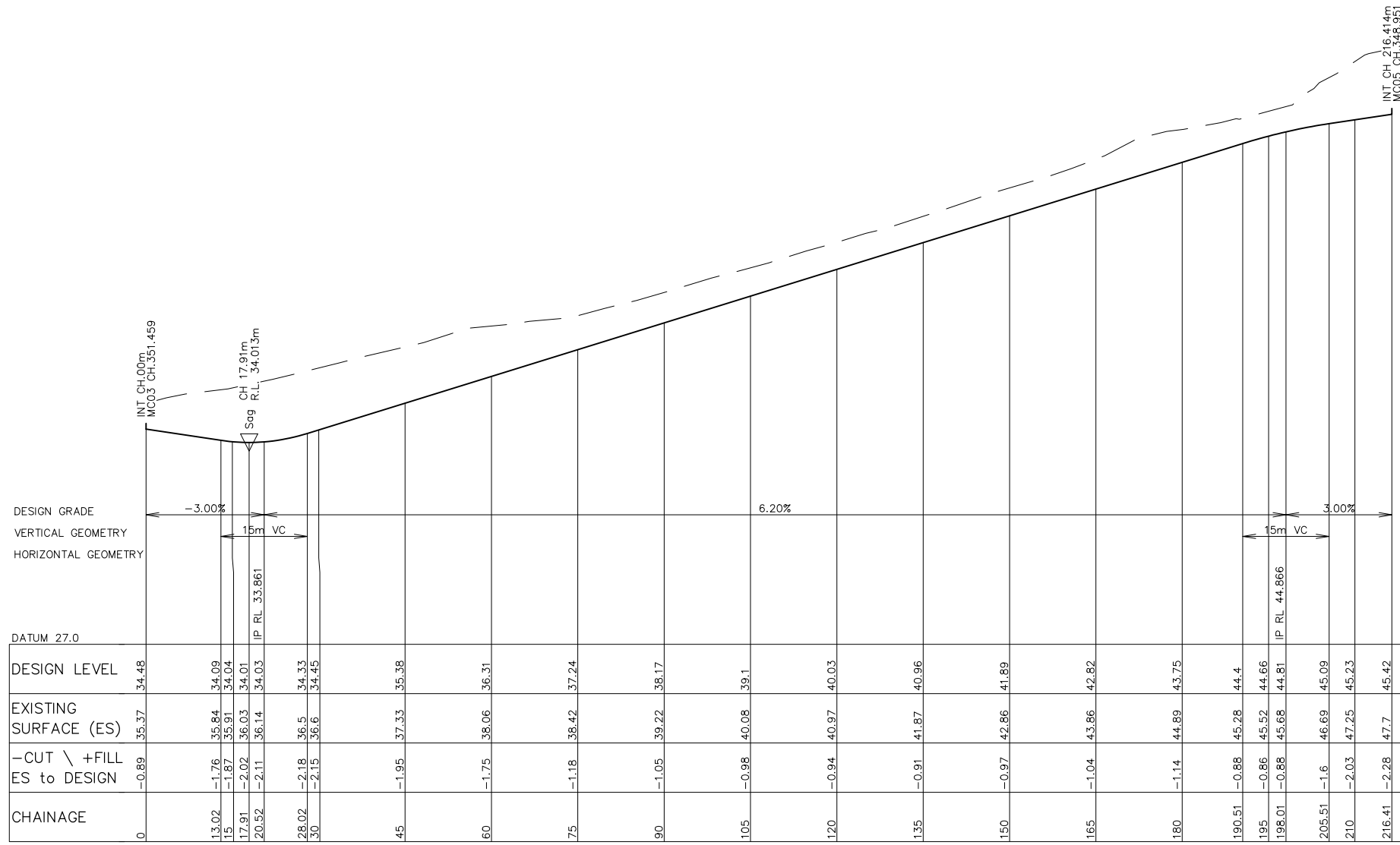
SCALES
VERT 1:100 / 1:200 HORIZ 1:500 / 1:1000

adw Johnson
Hunter Office
Unit 7/335 Hillsborough Rd
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Phone: (02) 4978 5100
Fax: (02) 4978 5199
email: hunter@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
CPGESTATES

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CONCEPT ENGINEERING PLANS FOR
PROPOSED SUBDIVISION
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& LOT 12 & 13 DP1219648
WYNDELLA ROAD, LOCHINVAR

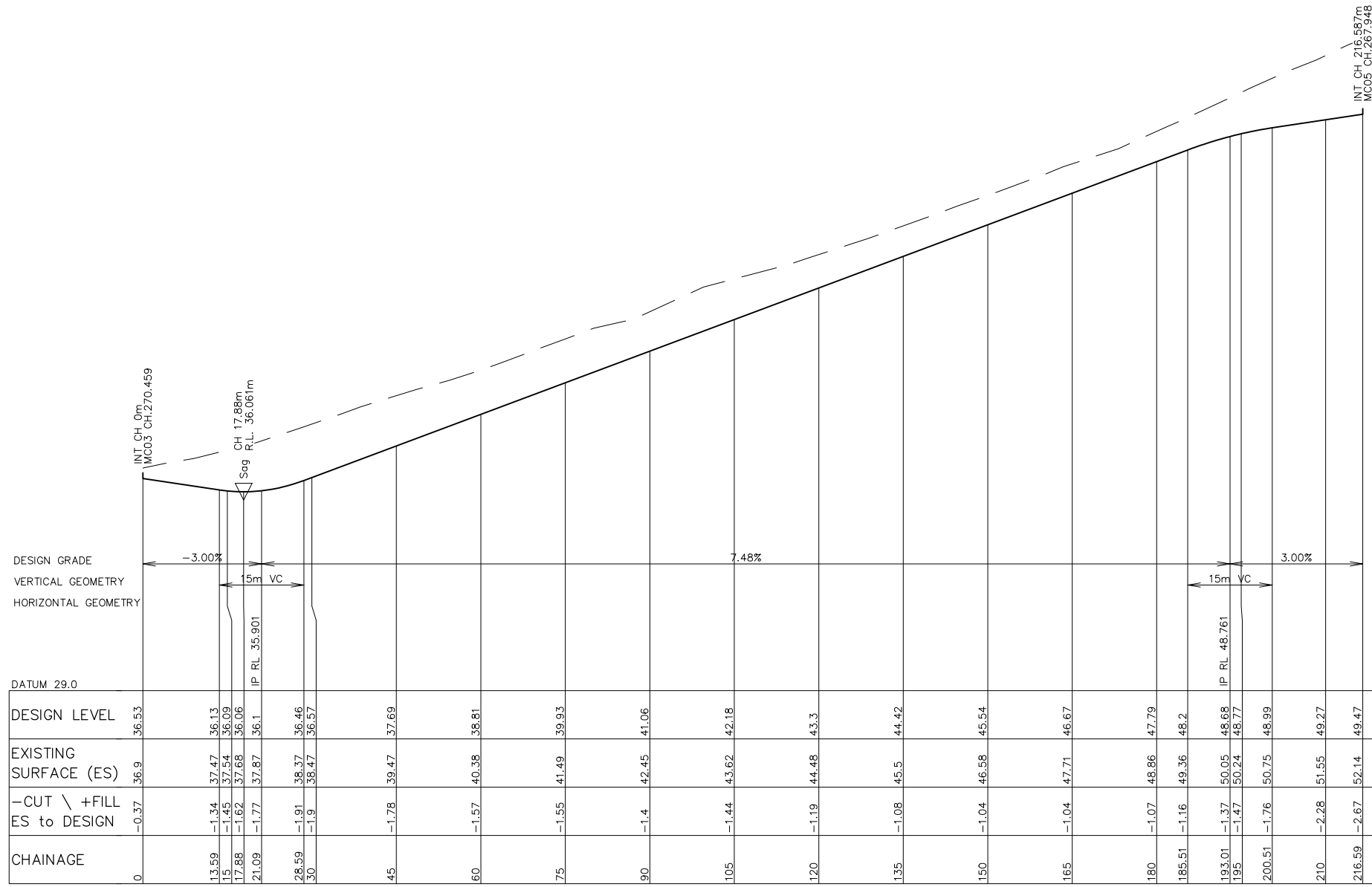
PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
WYNDELLA ROAD LOCHINVAR	ROAD LONGITUDINAL SECTION: MC09 SHEET 2	240332	CENG	211	F



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

NOT FOR CONSTRUCTION

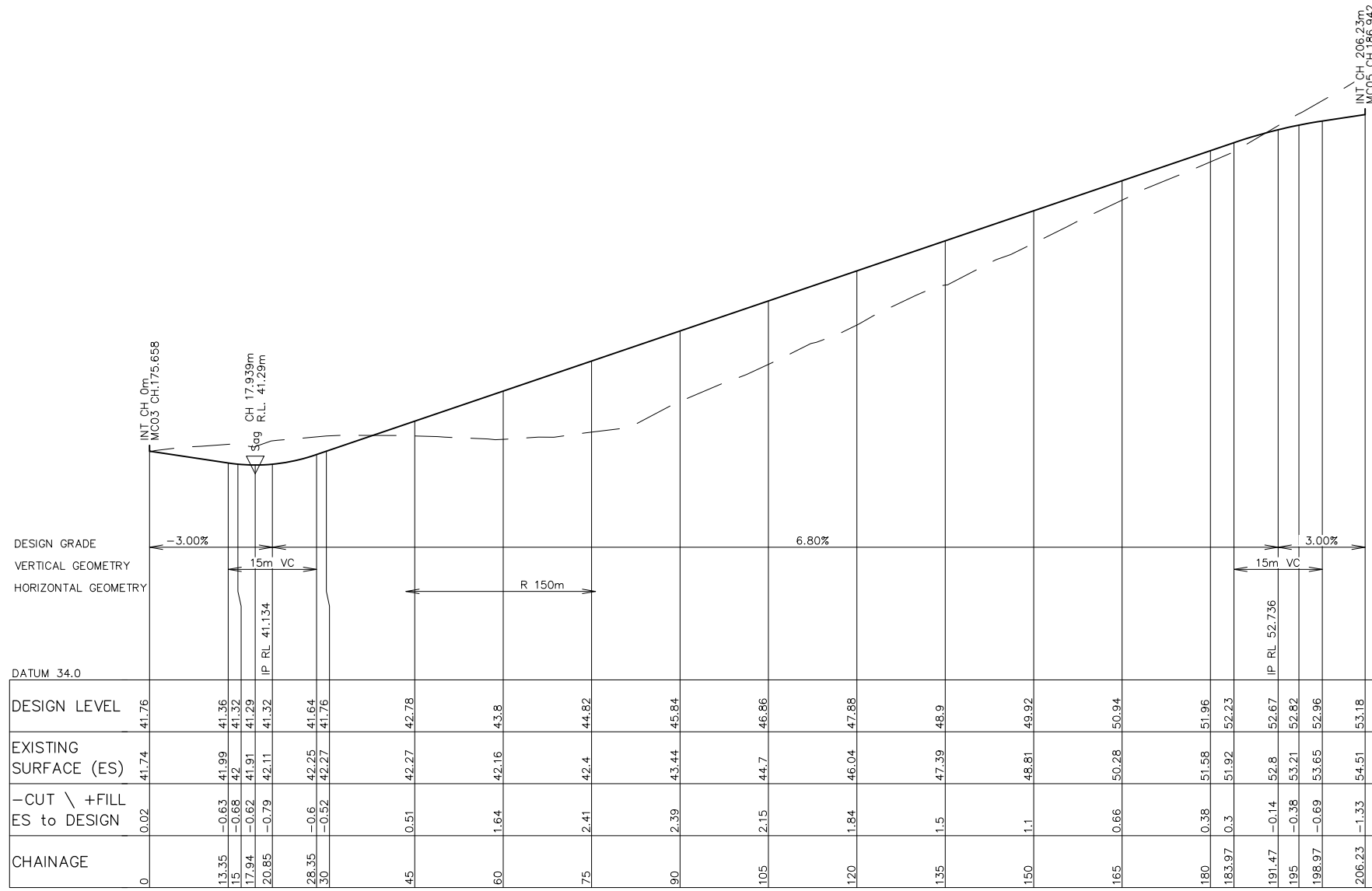
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LONGITUDINAL SECTION MC13
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

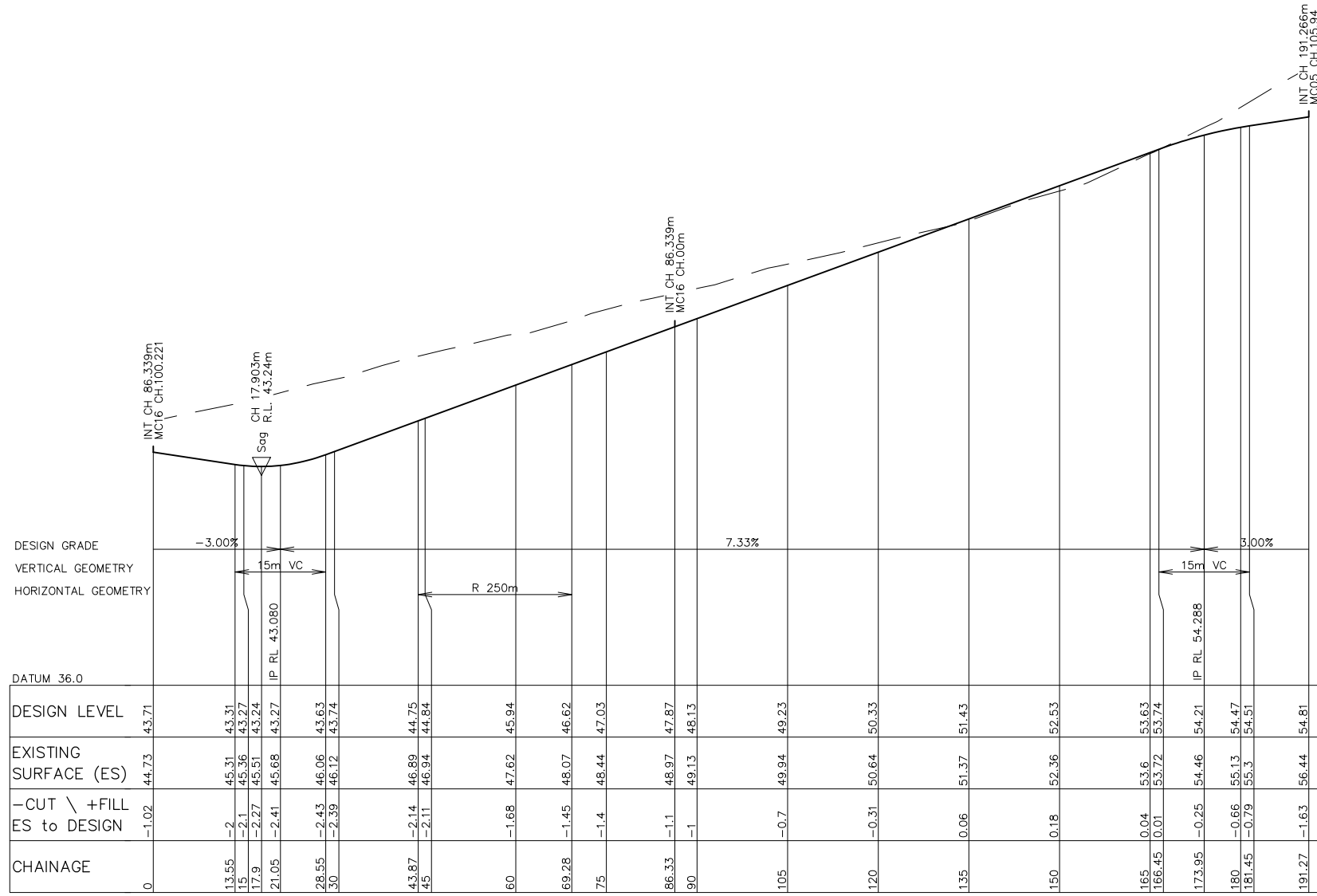
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LONGITUDINAL SECTION MC14
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

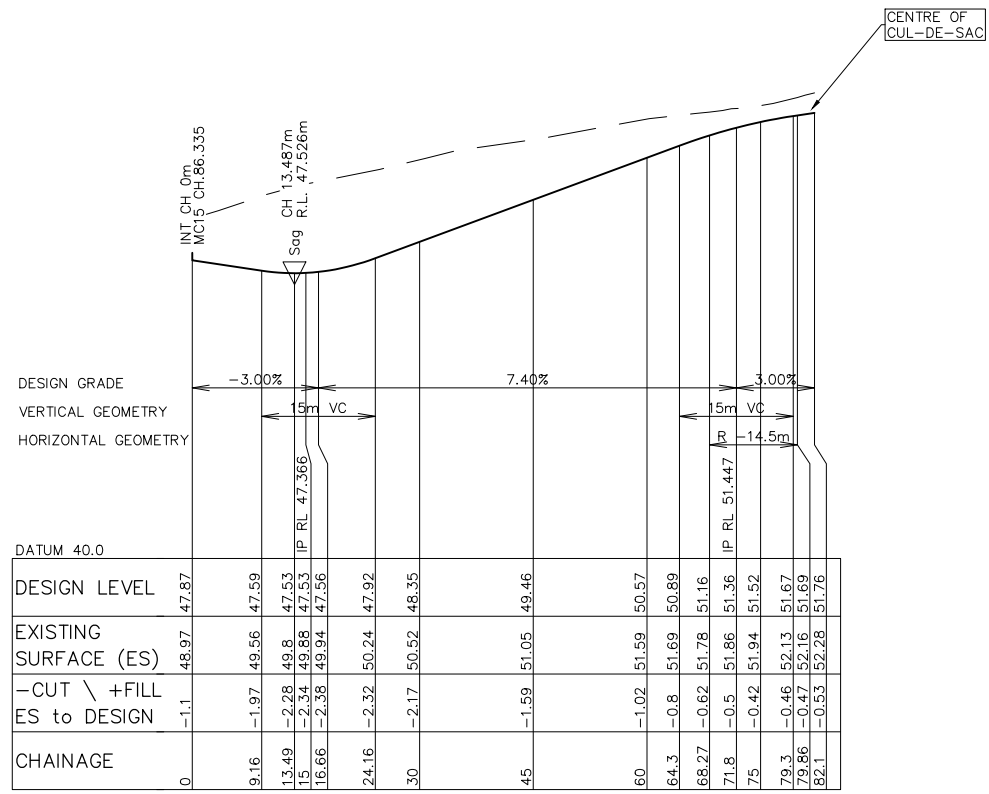
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LONGITUDINAL SECTION MC15
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

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

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT
A	22.03.2023	INITIAL ISSUE
B	21.04.2023	MINOR AMENDMENTS
C	21.11.2023	MINOR AMENDMENTS
D	14.06.2024	AMEND TO COUNCIL COMMENTS
E	08.07.2024	MINOR AMENDMENTS
F	19.07.2024	MINOR AMENDMENTS

DRAWN	CHECK	DESIGN	VERIFY
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R.C.	M.K.	M.K.	M.L.
D.W.	M.K.	M.K.	M.L.
A.M.	M.K.	M.K.	M.L.

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

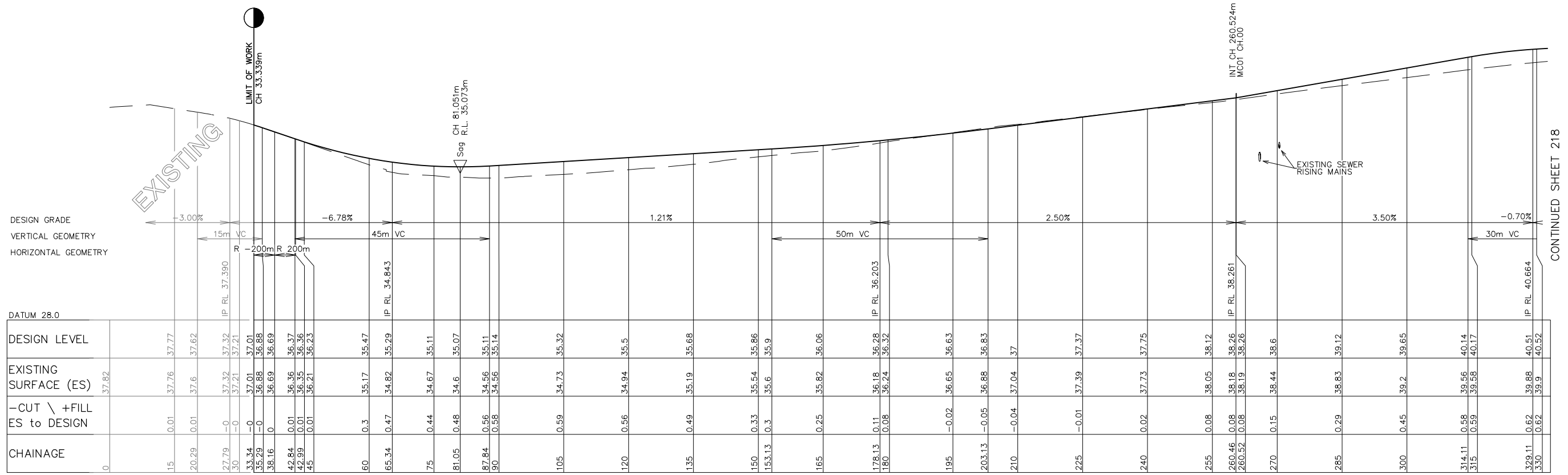
adw Johnson
Hunter Office
Unit 7/335 Hillsborough Rd
Warners Bay N.S.W. 2282
Phone: (02) 4978 5100
Fax: (02) 4978 5199
email: hunter@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

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: MC16			
SURVEYED	DATUM	PROJECT No.	DISCIPLINE
ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG
NUMBER	REV.	216	F

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.

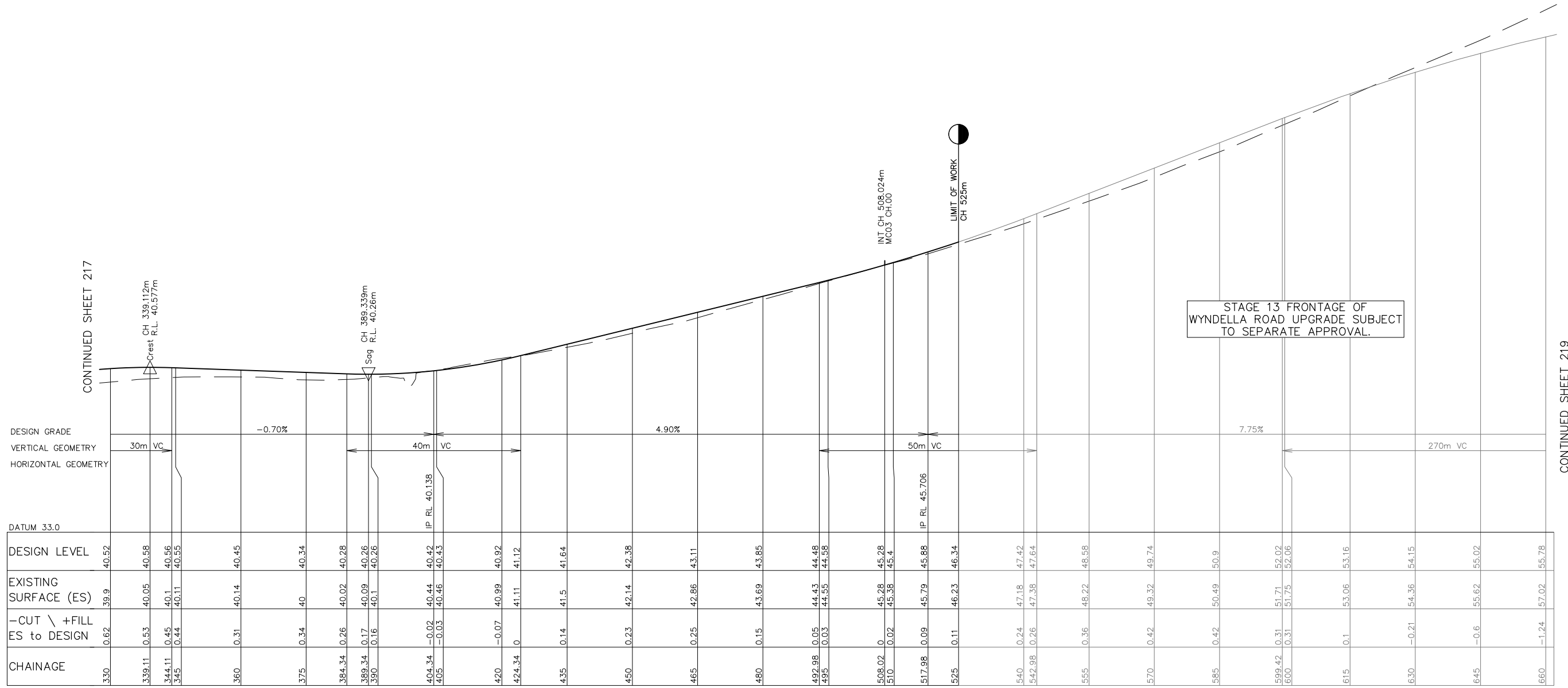


LONGITUDINAL SECTION WYNDELLA RD
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

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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 217		REV. F																																									

CONTINUED SHEET 218



STAGE 13 FRONTAGE OF
WYNDELLA ROAD UPGRADE SUBJECT
TO SEPARATE APPROVAL.

LONGITUDINAL SECTION WYNDELLA RD

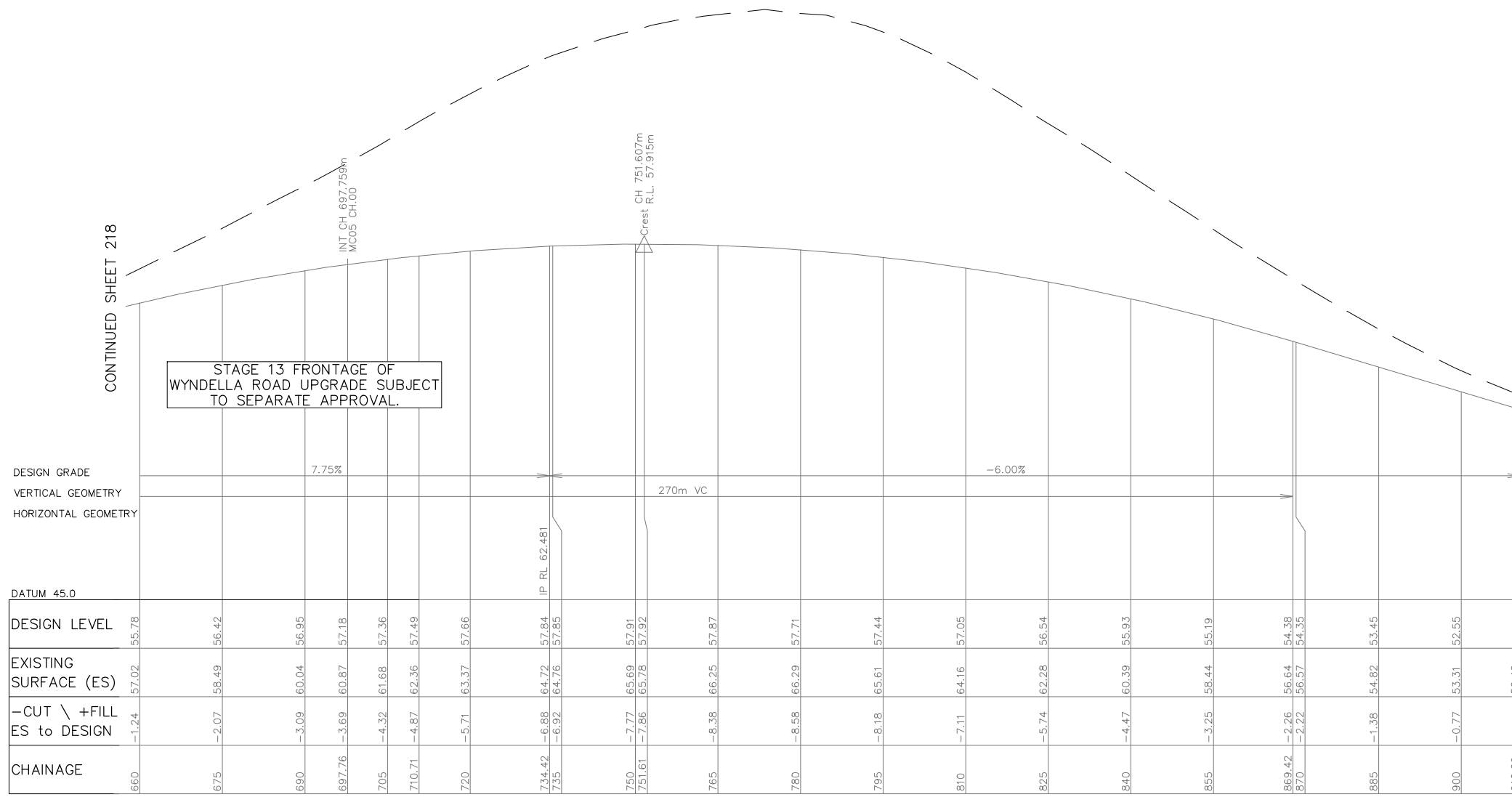
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

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> <tr><td>C</td><td>21.11.2023</td><td>MINOR AMENDMENTS</td><td>A.M.</td><td>M.K.</td><td>C.L.</td><td>M.L.</td></tr> <tr><td>D</td><td>14.06.2024</td><td>AMEND TO COUNCIL COMMENTS</td><td>R.C.</td><td>M.K.</td><td>M.K.</td><td>M.L.</td></tr> <tr><td>E</td><td>08.07.2024</td><td>MINOR AMENDMENTS</td><td>D.W.</td><td>M.K.</td><td>M.K.</td><td>M.L.</td></tr> <tr><td>F</td><td>19.07.2024</td><td>MINOR AMENDMENTS</td><td>A.M.</td><td>M.K.</td><td>M.K.</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.	C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.	D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.	E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.	F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.	<p>SCALES</p> <p>VERT 0 2 4 1:100 / 1:200</p> <p>HORIZ 0 10 20 1:500 / 1:1000</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>CPGESTATES</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: WYNDELLA ROAD SHEET 2</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>218</td> <td>F</td> </tr> </table>	SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.	ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG	218	F
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CONTINUED SHEET 218

STAGE 13 FRONTAGE OF WYNDELLA ROAD UPGRADE SUBJECT TO SEPARATE APPROVAL.

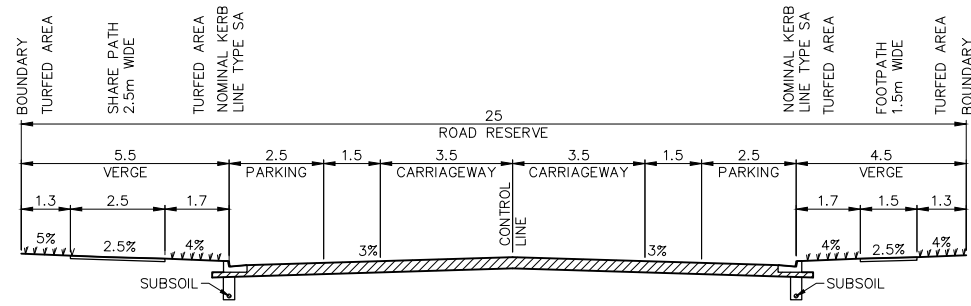


LONGITUDINAL SECTION WYNDELLA RD

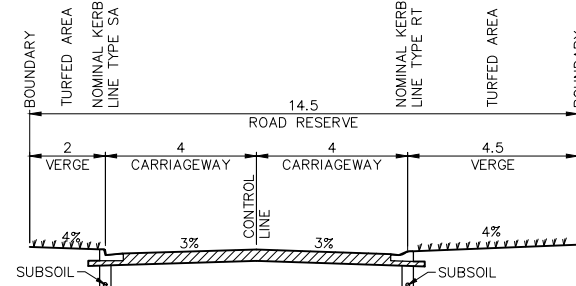
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VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

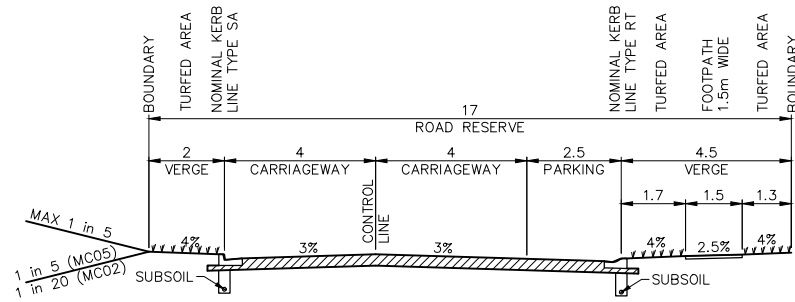
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT		
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 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.				adw Johnson	CPGESTATES	ROAD LONGITUDINAL SECTION: WYNDELLA ROAD SHEET 3
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.	SURVEYED ADW Johnson	DATUM GDA94 M.G.A. ZONE 56 A.H.D.	PROJECT No. 240332			DISCIPLINE - CENG -
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.						
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.	DESIGN FILE N:\240332\Design\12D\ ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE Plotted By: anthony Plot Date: 19/07/24 - 15:22 Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-219(F).dwg					
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.						



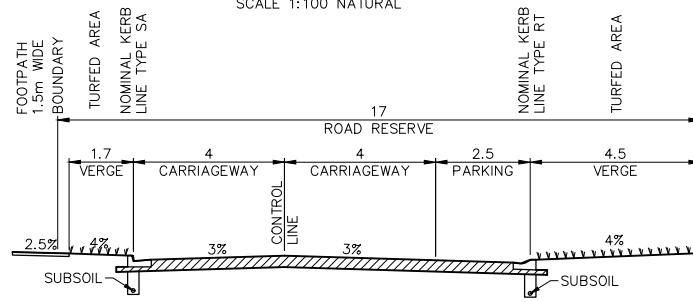
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MC03
SCALE 1:100 NATURAL



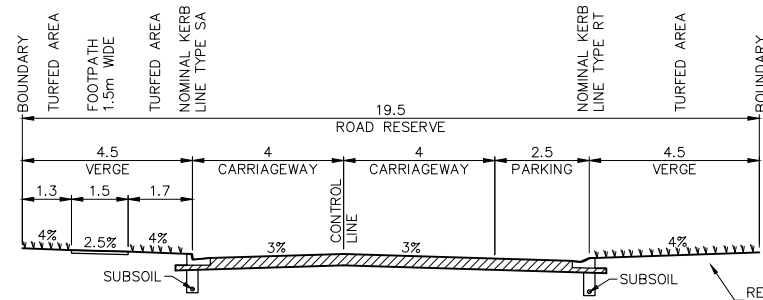
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MC04(CH 250-350m)
SCALE 1:100 NATURAL



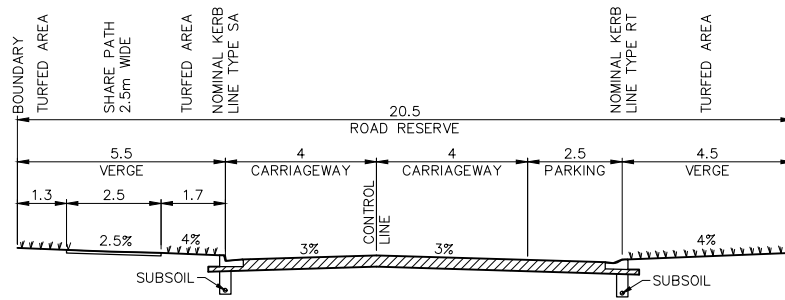
TYPICAL CROSS SECTION
MC02, MC05(CH 0-430m)
SCALE 1:100 NATURAL



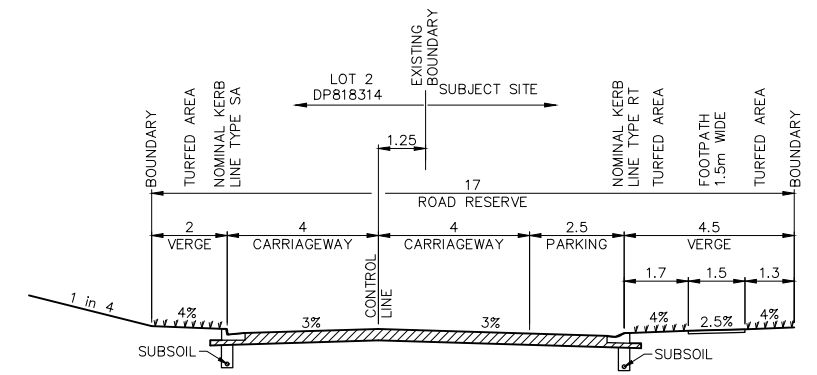
TYPICAL CROSS SECTION
MC04(CH 450-540m)
SCALE 1:100 NATURAL



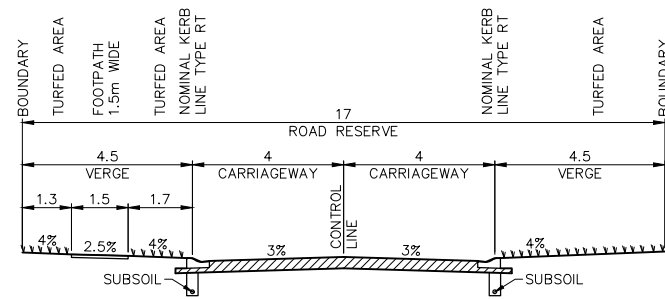
TYPICAL CROSS SECTION
MC01(CH 200-310m)
SCALE 1:100 NATURAL



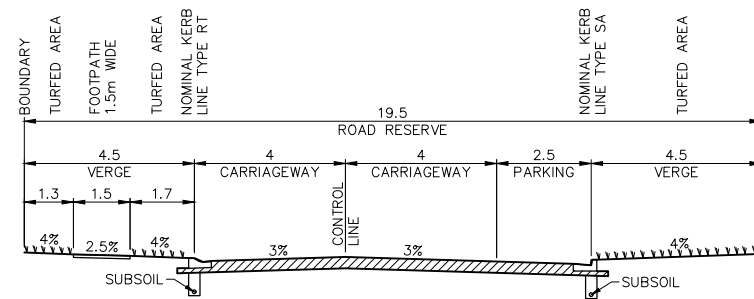
TYPICAL CROSS SECTION
MC04(CH 350-450m)
SCALE 1:100 NATURAL



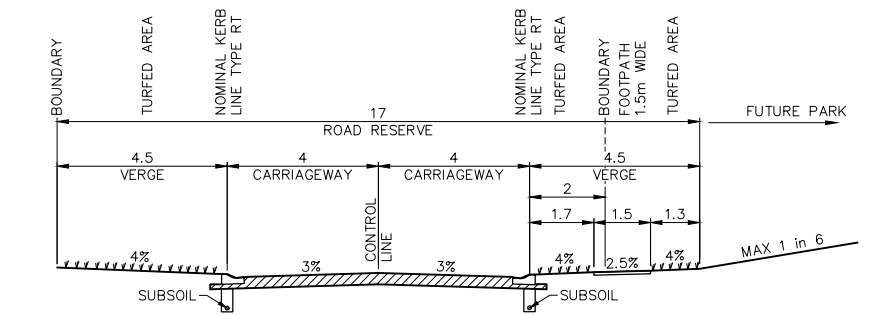
TYPICAL CROSS SECTION
MC05(CH 430-640m)
SCALE 1:100 NATURAL



TYPICAL CROSS SECTION
MC01(CH 0-200m), MC04(CH 140-250m),
MC07(CH 0-165m)



TYPICAL CROSS SECTION
MC04(CH 0-140m)
SCALE 1:100 NATURAL



TYPICAL CROSS SECTION
MC07 (CH 165-223m) & MC09 (CH 375-480m)
SCALE 1:100 NATURAL

MC09(CH 0-195m), MC09(CH 195-285m)-SIMILAR, MC09(CH 285-375m),
MC12, MC13, MC14, MC15 & MC16
SCALE 1:100 NATURAL

NOT FOR CONSTRUCTION

100mm AT FULL SIZE
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SCALES	
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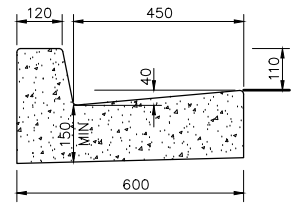
adw Johnson
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CLIENT
CPGESTATES

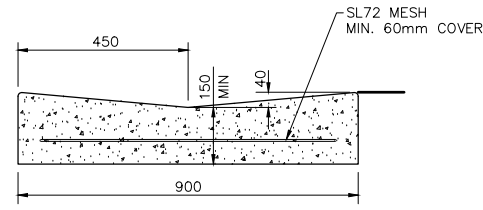
PROPERTY DESCRIPTION
CONCEPT ENGINEERING PLANS FOR
PROPOSED SUBDIVISION
LOT 2, 3, 4, 5, 6 & 9 DP747391
& LOT 12 & 13 DP1219648
WYNDELLA ROAD, LOCHINVAR

PROJECT		PLAN TITLE	
WYNDELLA ROAD LOCHINVAR		TYPICAL ROAD CROSS SECTIONS: SHEET 1	
SURVEYED	DATUM	PROJECT No.	DISCIPLINE
ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG
		NUMBER	REV.
		221	F

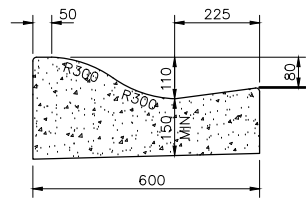
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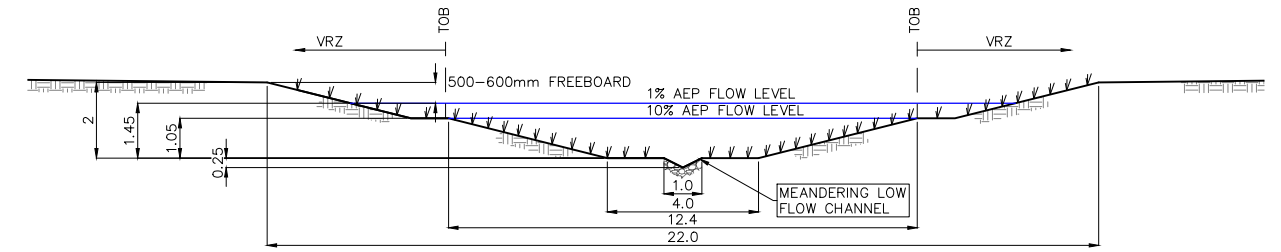
STANDARD KERB & GUTTER
(MODIFIED SA)



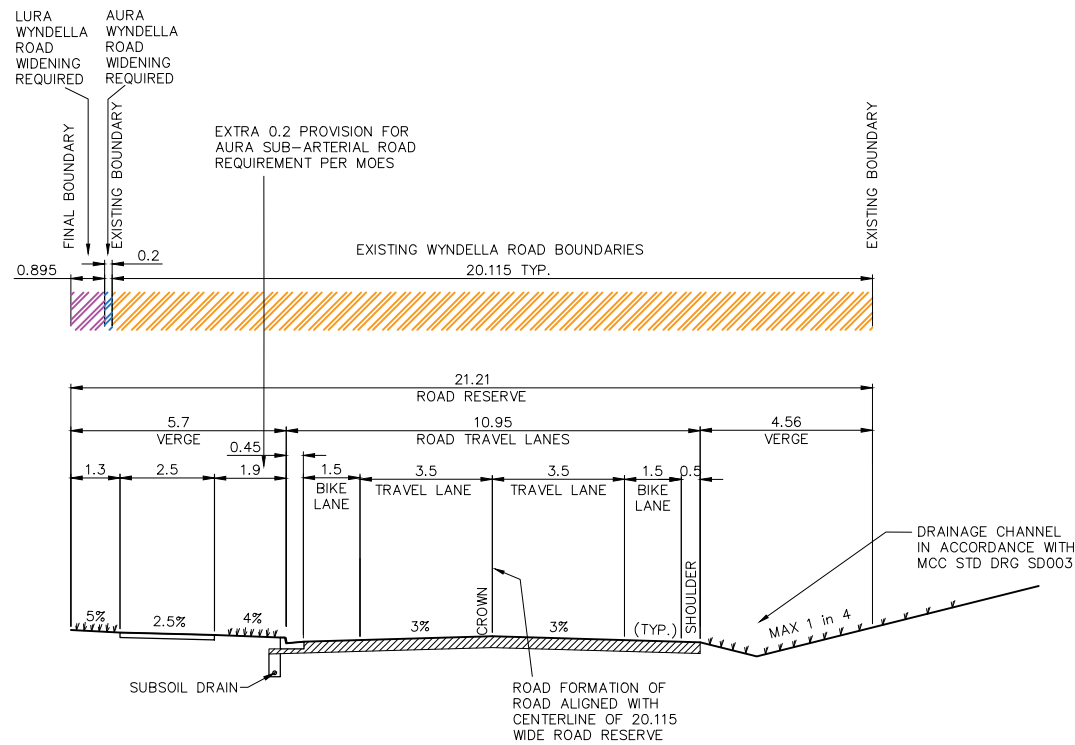
SB DISH GUTTER
(MODIFIED SB)



ROLL KERB & GUTTER
(MODIFIED RT)



SECTION A
SCALE 1: 100
TYPICAL CROSS SECTION
REALIGNED WATERCOURSE



TYPICAL CROSS SECTION WYNDELLA ROAD
SCALE 1:100 NATURAL

NOT FOR CONSTRUCTION

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DRAWN	CHECK	DESIGN	VERIFY	SCALES
D.N.	M.K.	C.L.	M.L.	0 1 2 3 4 A1 / A3
D.N.	M.K.	C.L.	M.L.	1:100 / 1:200
A.M.	M.K.	C.L.	M.L.	
R.C.	M.K.	M.K.	M.L.	
D.W.	M.K.	M.K.	M.L.	
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adw Johnson

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ABN 62 129 445 398

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	PLAN TITLE	SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
WYNDELLA ROAD LOCHINVAR	TYPICAL ROAD CROSS SECTIONS: SHEET 2	ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG	222	F

100mm AT FULL SIZE
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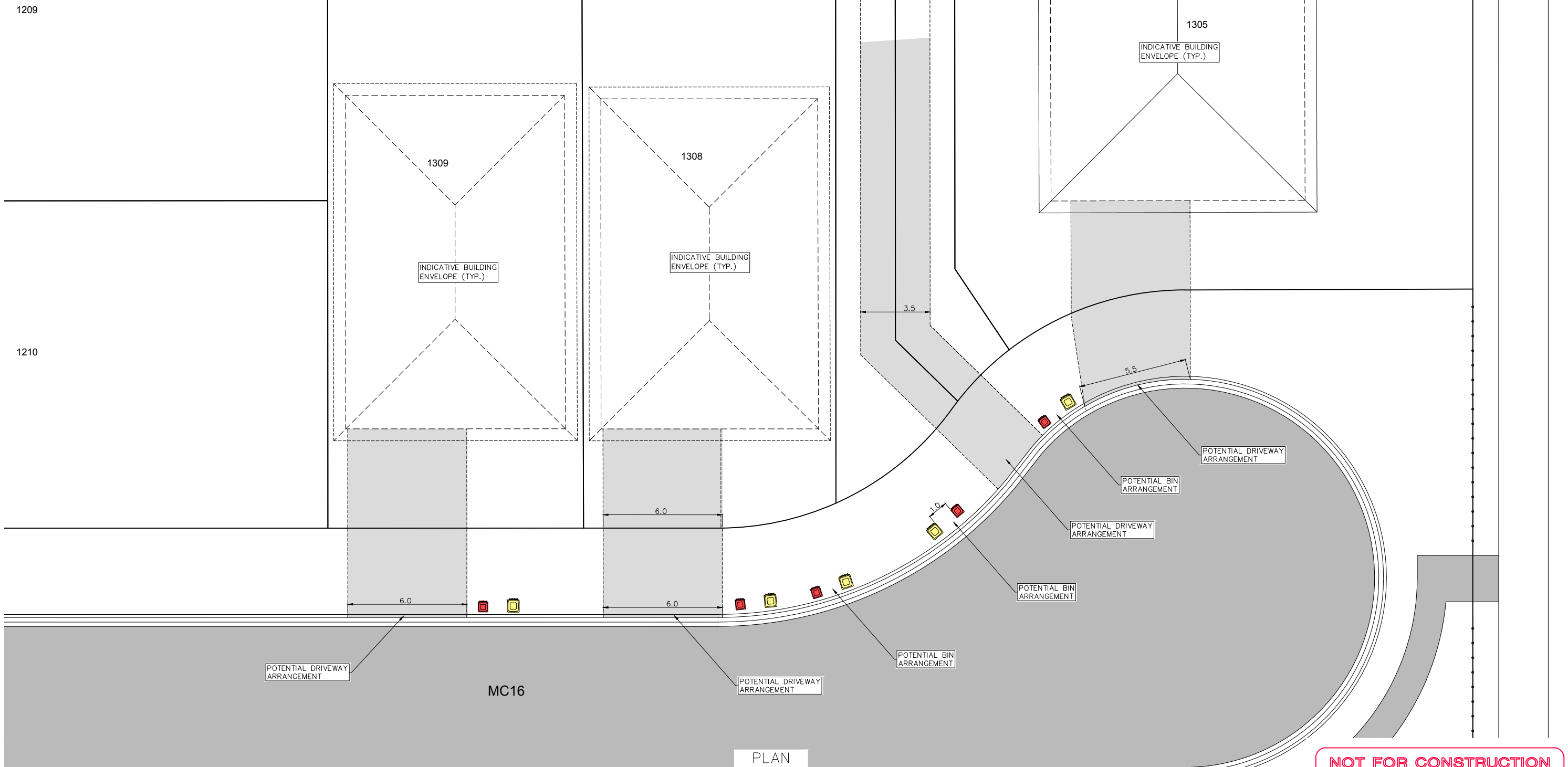
LEGEND	
	EXISTING LOT BOUNDARY
	PROPOSED LOT BOUNDARY
	PROPOSED KERB
	PERAMBULATOR RAMP
	WASTE/RECYCLE BIN



NOTES

1. DWELLINGS ARE INDICATIVE ONLY AND ARE SUBJECT TO SEPARATE APPLICATION.
2. DRIVEWAYS ARE INDICATIVE ONLY AND ARE SUBJECT TO SEPARATE APPLICATION.
3. BIN LOCATIONS ARE INDICATIVE ONLY

240332-CENG-301(F)



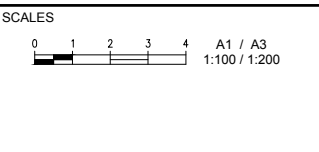
PLAN
SCALE 1:100

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F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.

SCALES	
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adw Johnson
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Warners Bay N.S.W. 2282
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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		BIN ARRANGEMENT FOR WASTE COLLECTION - MC01	
SURVEYED	DATUM	PROJECT No.	DISCIPLINE
ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG
		NUMBER	REV.
		301	F

240332-CENG-501(F)

LEGEND (+ FILL - CUT)

Lower_value	Upper_value	Colour
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-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.
5. REGRADE CONTOURS REPRESENT DIFFERENCE BETWEEN NATURAL SURFACE, BASED ON DETAIL SURVEY BY ADW JOHNSON, AND FINISHED DESIGN SURFACE. NO ALLOWANCE HAS BEEN MADE FOR TOPSOIL OR BOXING.

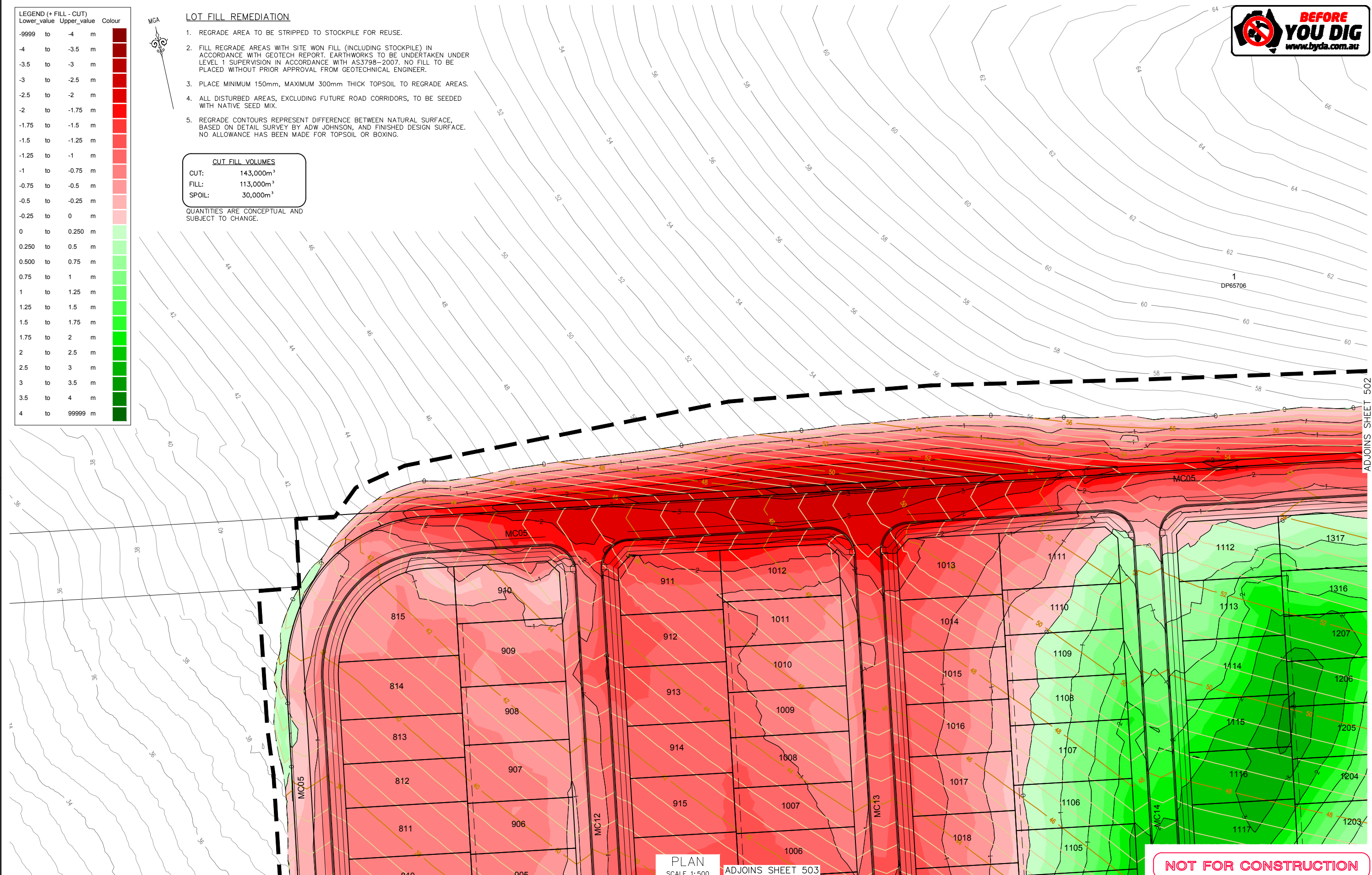
CUT FILL VOLUMES

CUT: 143,000m³
 FILL: 113,000m³
 SPOIL: 30,000m³

QUANTITIES ARE CONCEPTUAL AND SUBJECT TO CHANGE.



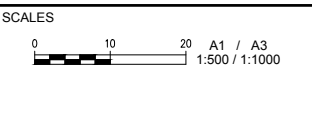
100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.



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.
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.

DRAWN	CHECK	DESIGN	VERIFY
D.N.	M.K.	C.L.	M.L.
D.N.	M.K.	C.L.	M.L.
A.M.	M.K.	C.L.	M.L.
R.C.	M.K.	M.K.	M.L.
D.W.	M.K.	M.K.	M.L.
A.M.	M.K.	M.K.	M.L.



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 email: hunter@adwjohnson.com.au
 www.adwjohnson.com.au
 ABN 62 129 445 398

CLIENT

CPG ESTATES

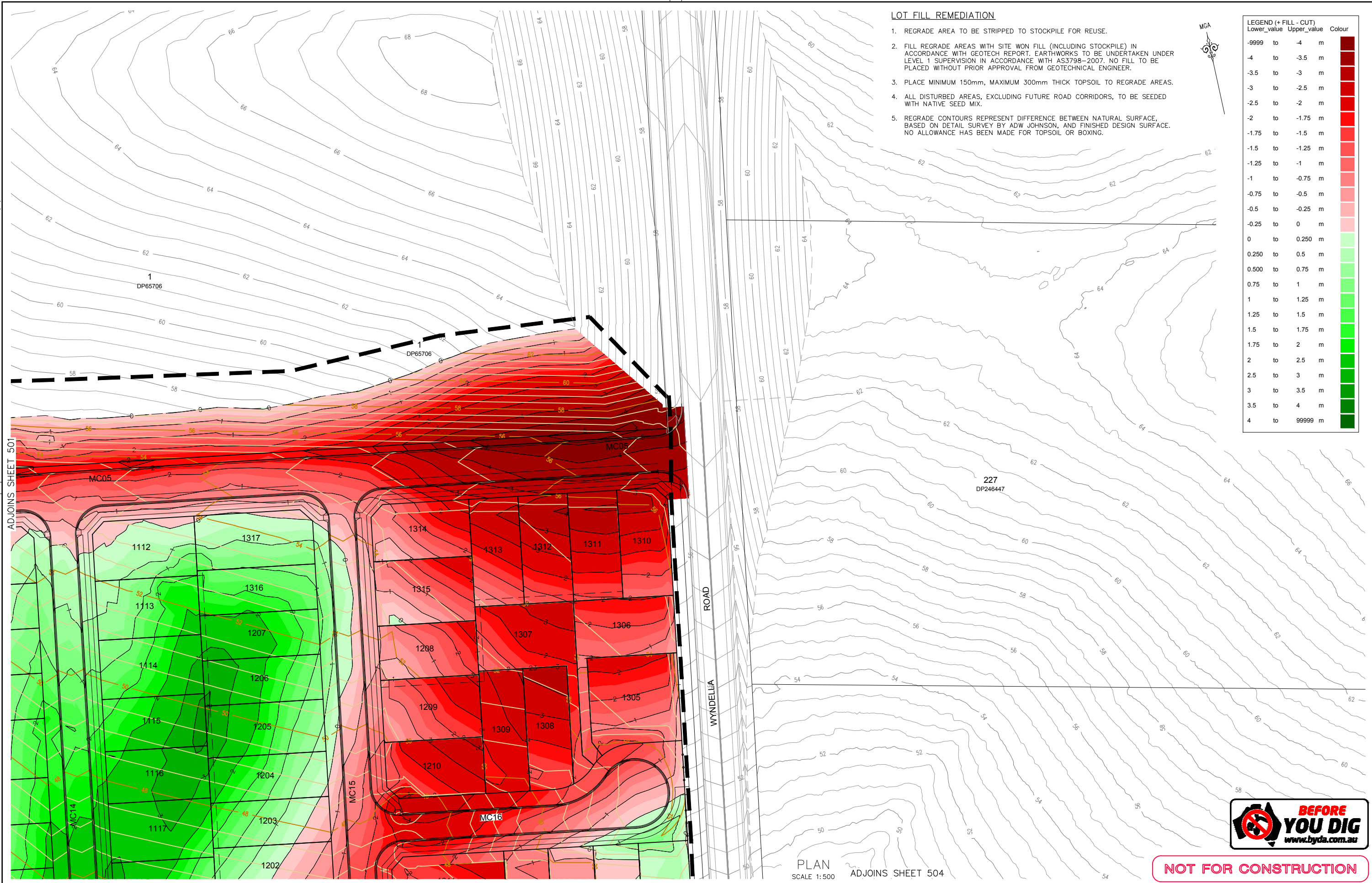
PROPERTY DESCRIPTION
 CONCEPT ENGINEERING PLANS FOR
 PROPOSED SUBDIVISION
 LOT 2, 3, 4, 5, 6 & 9 DP747391
 & LOT 12 & 13 DP1219648
 WYNDELLA ROAD, LOCHINVAR

PROJECT	PLAN TITLE
WYNDELLA ROAD LOCHINVAR	SITE REGRADE PLAN: SHEET 1

PROJECT No.	DISCIPLINE	NUMBER	REV.
240332	CENG	501	F

ADJOINS SHEET 502

240332-CENG-502(F)



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.
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5. REGRADE CONTOURS REPRESENT DIFFERENCE BETWEEN NATURAL SURFACE, BASED ON DETAIL SURVEY BY ADW JOHNSON, AND FINISHED DESIGN SURFACE. NO ALLOWANCE HAS BEEN MADE FOR TOPSOIL OR BOXING.

LEGEND (+ FILL - CUT)		Colour
Lower_value	Upper_value	
-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

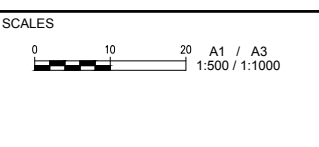
WYNDELLA ROAD

PLAN
SCALE 1:500 ADJOINS SHEET 504



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.
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.



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email: hunter@adwjohnson.com.au
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ABN 62 129 445 398

CLIENT
CPGESTATES

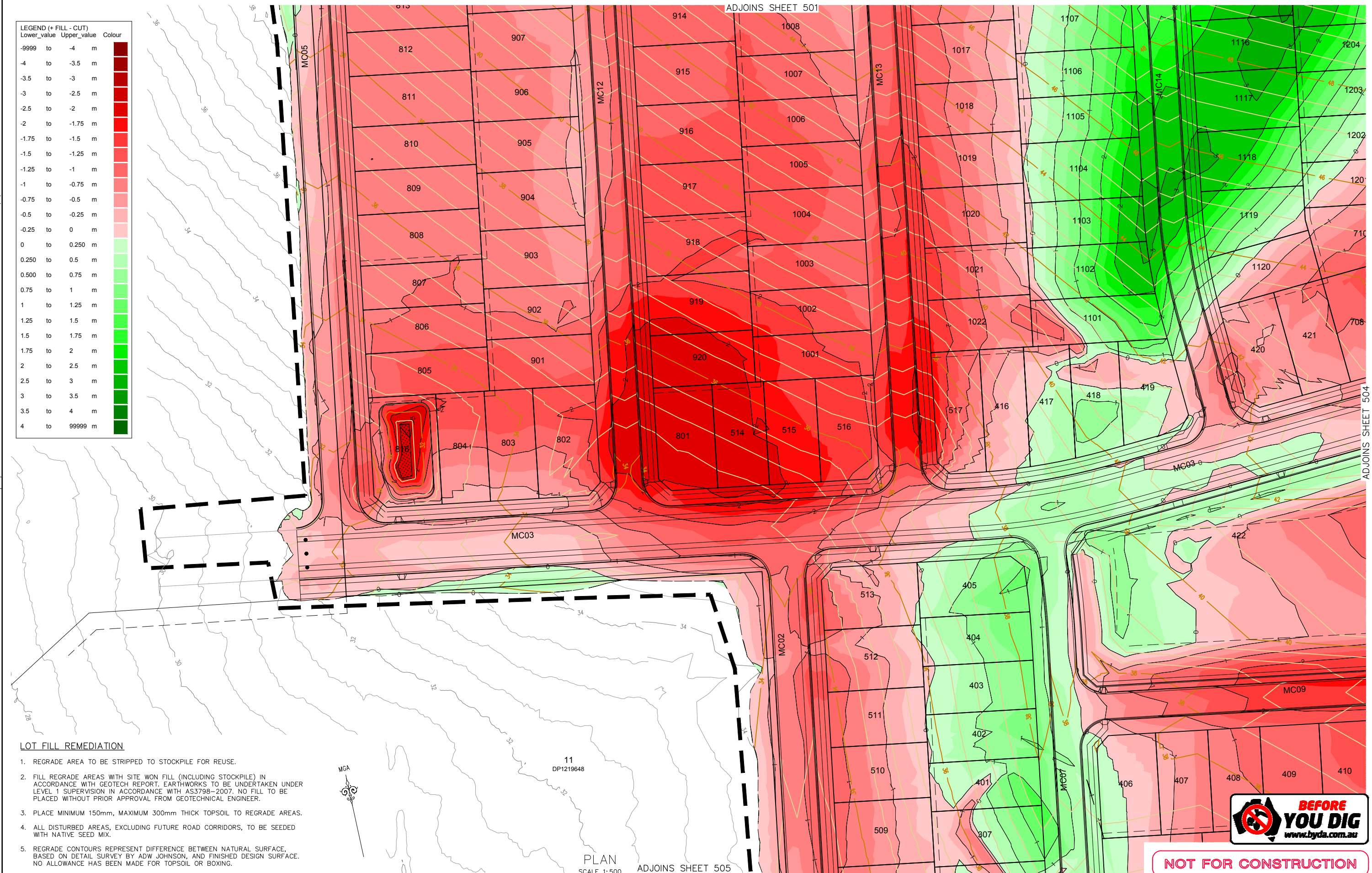
PROPERTY DESCRIPTION
CONCEPT ENGINEERING PLANS FOR
PROPOSED SUBDIVISION
LOT 2, 3, 4, 5, 6 & 9 DP747391
& LOT 12 & 13 DP1219648
WYNDELLA ROAD, LOCHINVAR

PROJECT		DISCIPLINE		NUMBER	REV.
WYNDELLA ROAD LOCHINVAR		CENG		502	F
PLAN TITLE	SITE REGRADE PLAN: SHEET 2				
PROJECT No.	240332	DISCIPLINE	CENG	NUMBER	502
SURVEYED	ADW Johnson	DATUM	GDA94 M.G.A. ZONE 56	A.H.D.	

240332-CENG-503(F)

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



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.
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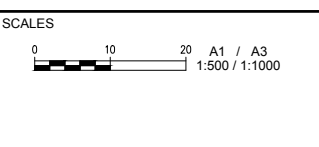
PLAN
SCALE 1:500 ADJOINS SHEET 505



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.
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.

DRAWN	CHECK	DESIGN	VERIFY
D.N.	M.K.	C.L.	M.L.
A.M.	M.K.	C.L.	M.L.
R.C.	M.K.	M.K.	M.L.
D.W.	M.K.	M.K.	M.L.
A.M.	M.K.	M.K.	M.L.



adw Johnson

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CLIENT

CPG ESTATES

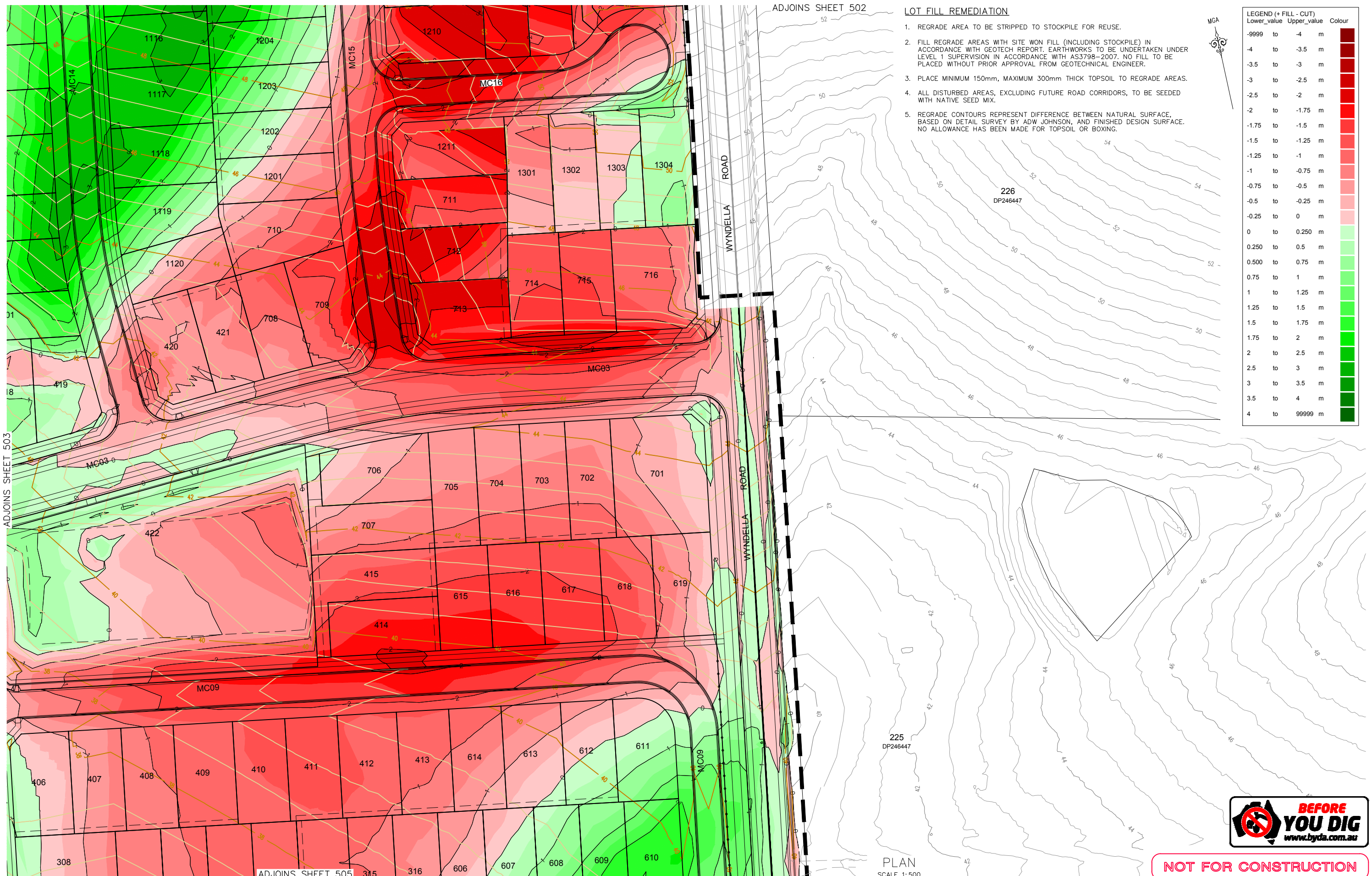
PROPERTY DESCRIPTION
CONCEPT ENGINEERING PLANS FOR
PROPOSED SUBDIVISION
LOT 2, 3, 4, 5, 6 & 9 DP747391
& LOT 12 & 13 DP1219648
WYNDELLA ROAD, LOCHINVAR

PROJECT	PLAN TITLE
WYNDELLA ROAD LOCHINVAR	SITE REGRADE PLAN: SHEET 3

PROJECT No.	DISCIPLINE	NUMBER	REV.
240332	CENG	503	F

240332-CENG-504(F)

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

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.
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LEGEND (+ FILL - CUT)

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



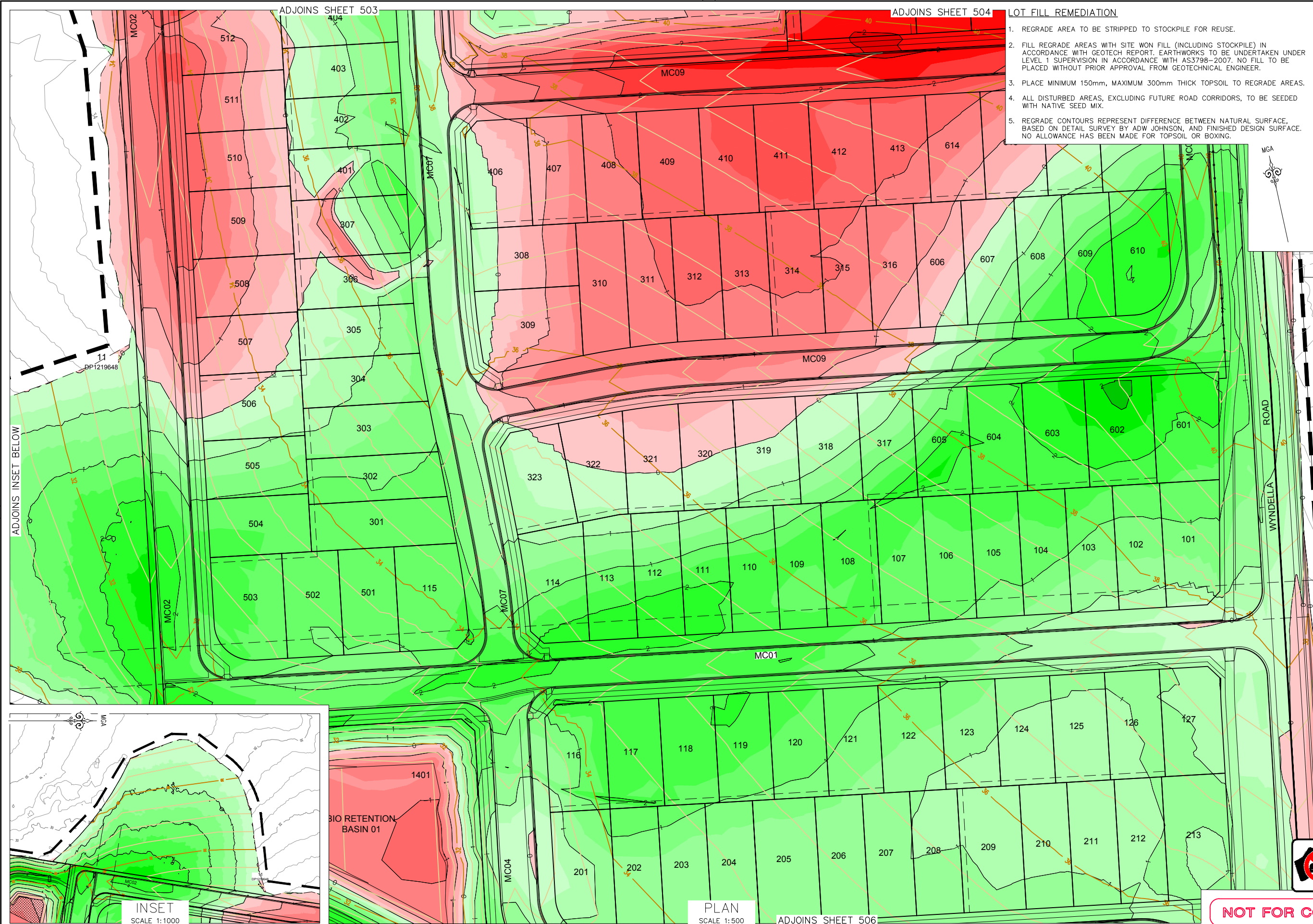
NOT FOR CONSTRUCTION

PLAN
SCALE 1:500

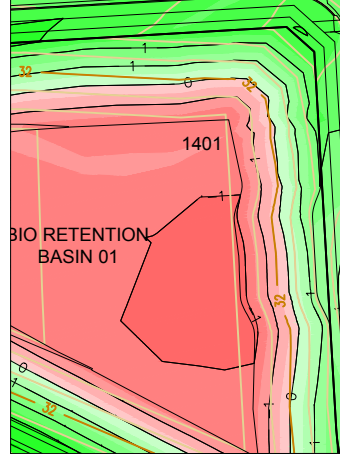
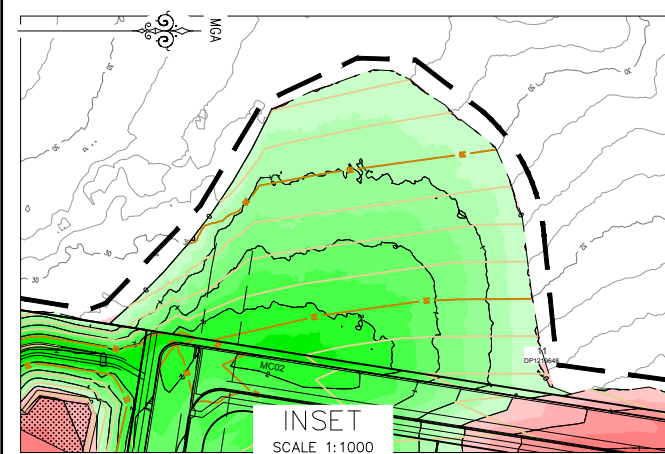
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REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY																																																										
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.																																																										
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F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.																																																										
<p>DESIGN FILE N:\240332\Design\12D\</p>								<p>ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE</p>				<p>PROJECT No. 240332 - DISCIPLINE CENG - NUMBER 504 - REV. F</p>																																																				
<p>Plotted By: anthonym Plot Date: 19/07/24 - 15:23 Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-504(F).dwg</p>																																																																

240332-CENG-505(F)

100mm AT FULL SIZE
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- 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.
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NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT
A	22.03.2023	INITIAL ISSUE
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C	21.11.2023	MINOR AMENDMENTS
D	14.06.2024	AMEND TO COUNCIL COMMENTS
E	08.07.2024	MINOR AMENDMENTS
F	19.07.2024	MINOR AMENDMENTS

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
A.M.	M.K.	C.L.	M.L.	
R.C.	M.K.	M.K.	M.L.	
D.W.	M.K.	M.K.	M.L.	
A.M.	M.K.	M.K.	M.L.	

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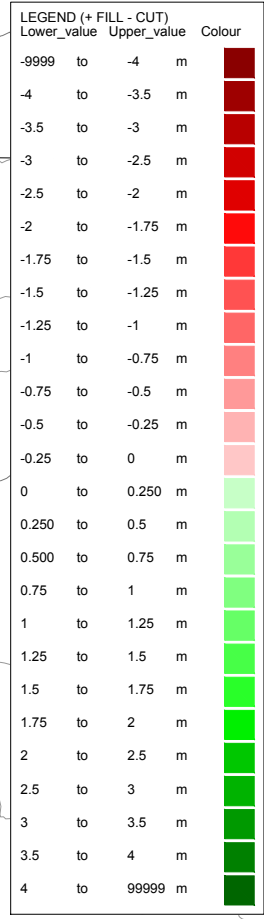
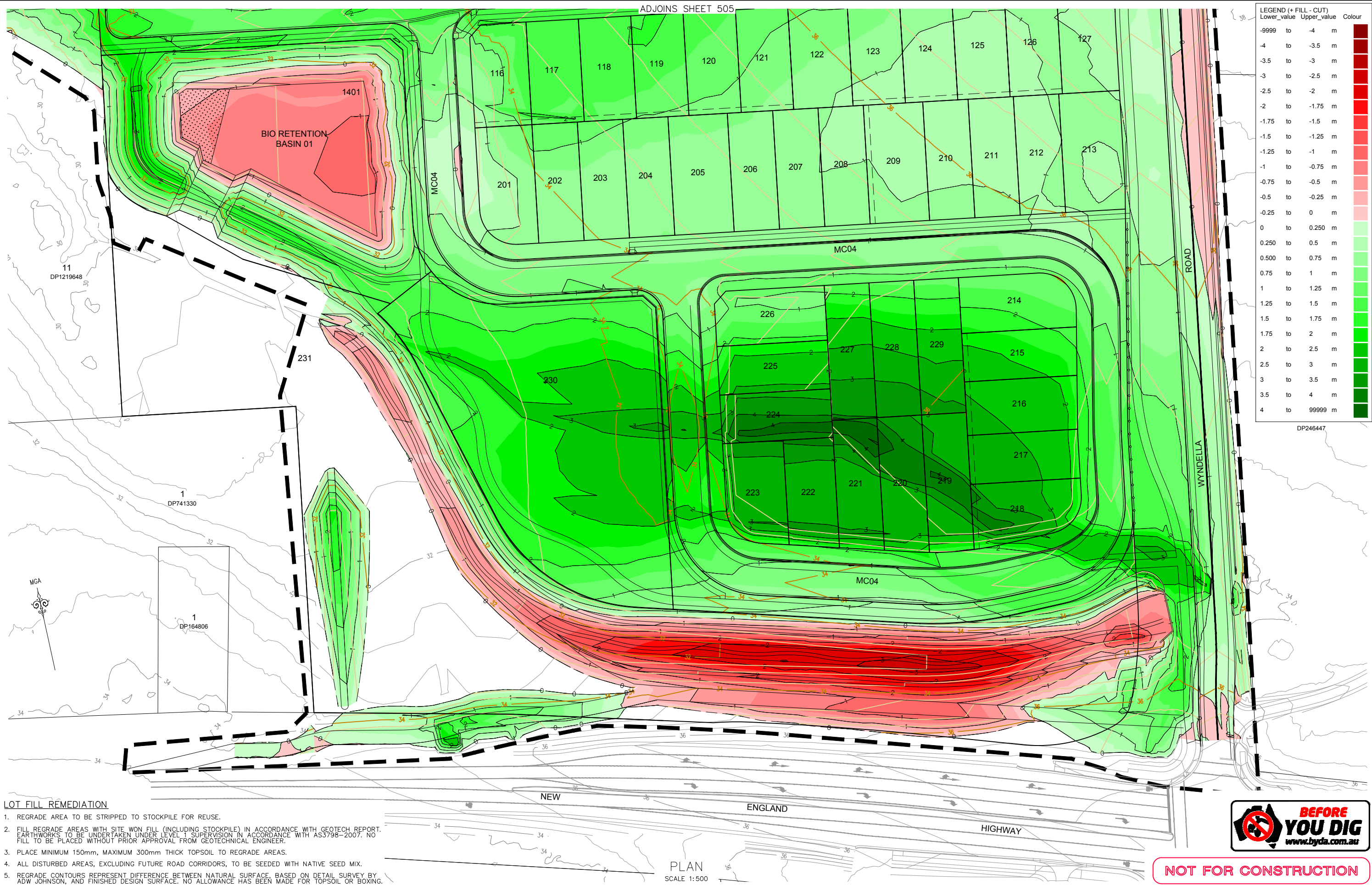
CPG ESTATES
 CLIENT

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

240332-CENG-506(F)

ADJOINS SHEET 505



DP246447

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.

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.
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PLAN
SCALE 1:500



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.	
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.	
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.	
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.	
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.	

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 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 6	
PROJECT No.	DISCIPLINE	NUMBER	REV.
240332	CENG	506	F

240332-CENG-511(F)

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

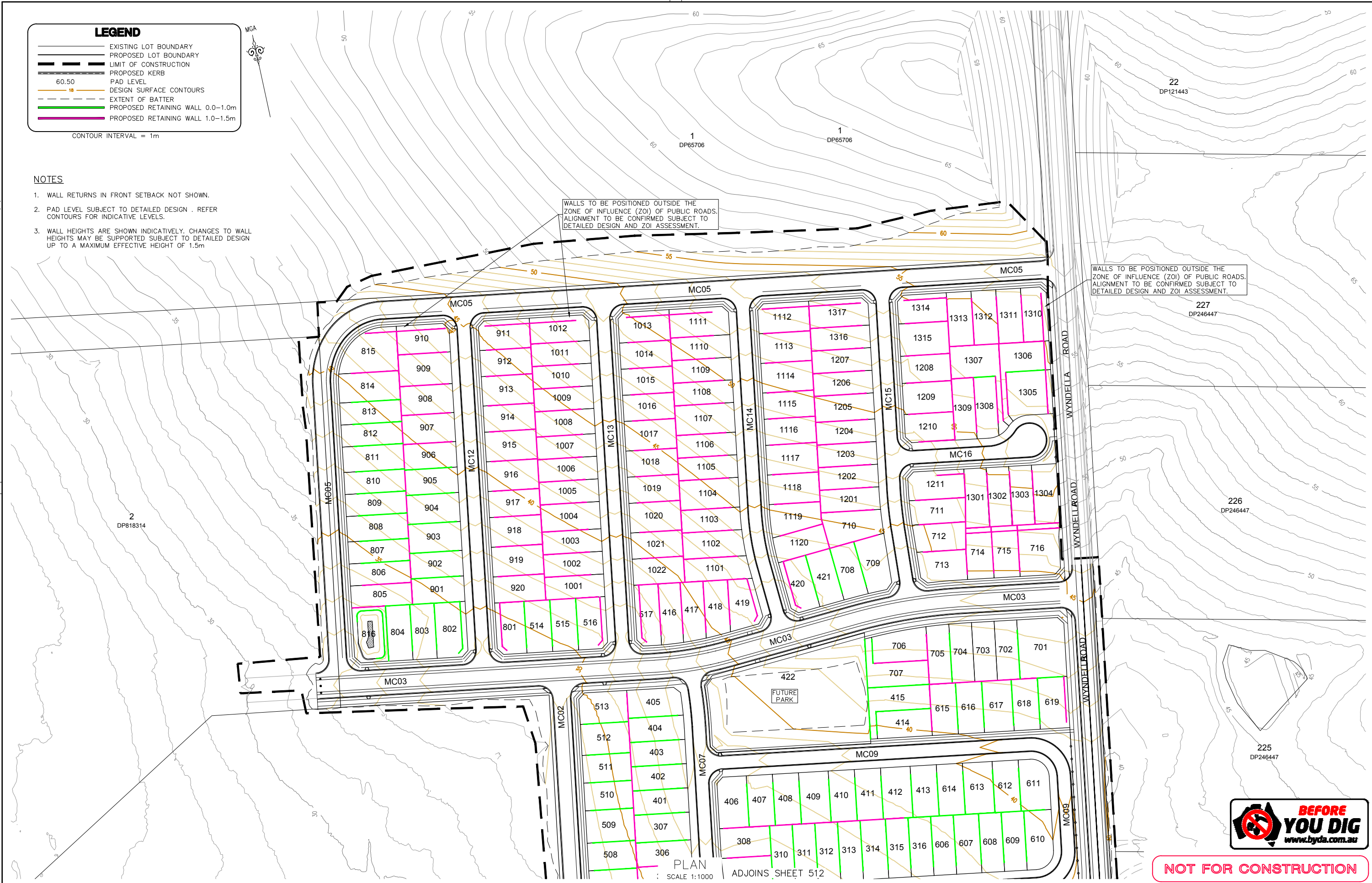
- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- LIMIT OF CONSTRUCTION
- PROPOSED KERB
- 60.50 PAD LEVEL
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- PROPOSED RETAINING WALL 0.0-1.0m
- PROPOSED RETAINING WALL 1.0-1.5m

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

WALLS TO BE POSITIONED OUTSIDE THE ZONE OF INFLUENCE (ZOI) OF PUBLIC ROADS. ALIGNMENT TO BE CONFIRMED SUBJECT TO DETAILED DESIGN AND ZOI ASSESSMENT.

WALLS TO BE POSITIONED OUTSIDE THE ZONE OF INFLUENCE (ZOI) OF PUBLIC ROADS. ALIGNMENT TO BE CONFIRMED SUBJECT TO DETAILED DESIGN AND ZOI ASSESSMENT.



PLAN
SCALE 1:1000
ADJOINS SHEET 512

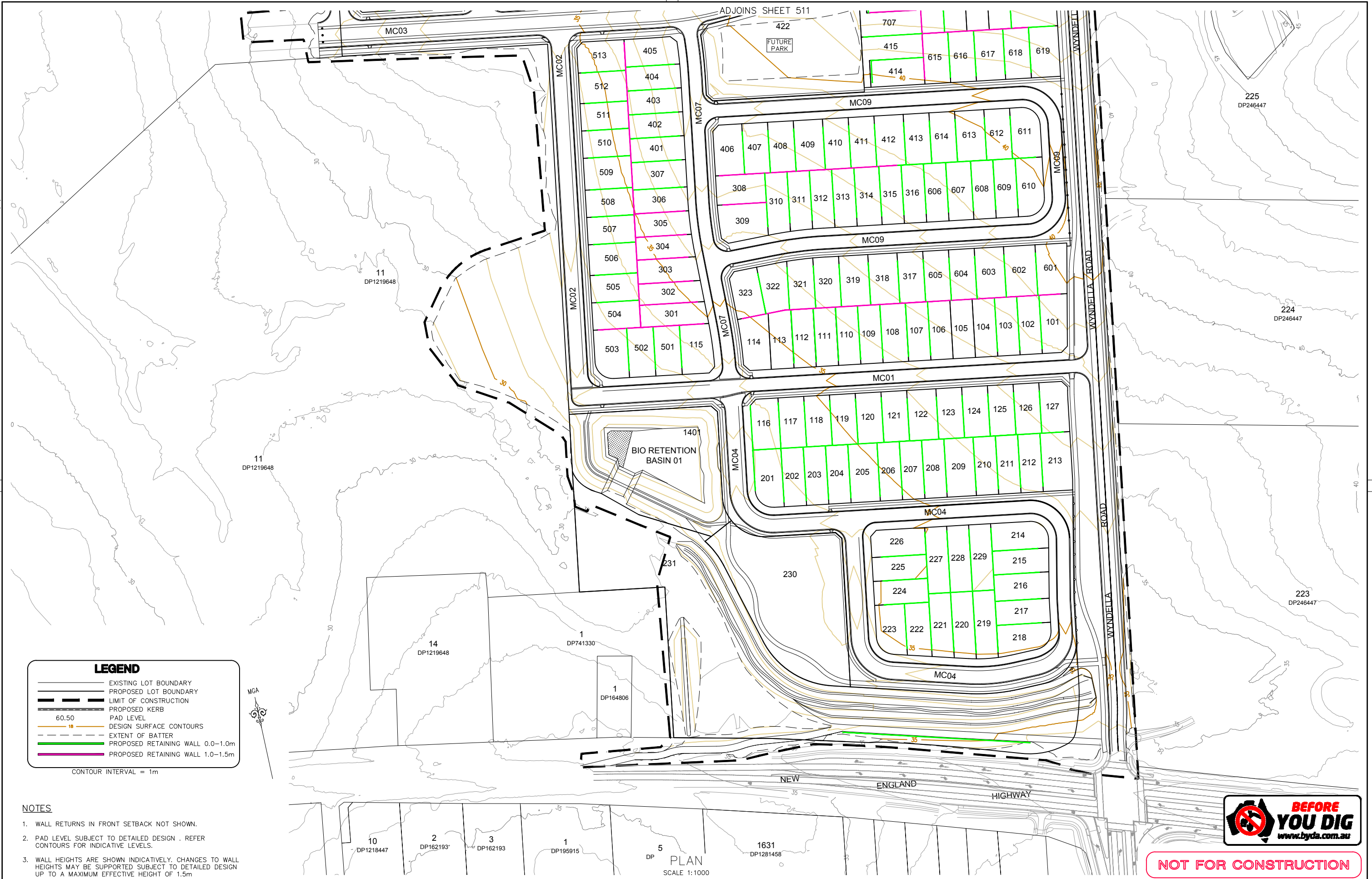


NOT FOR CONSTRUCTION

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.		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.				PLAN TITLE	
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.				PAD LEVEL & RETAINING WALL PLAN: SHEET 1	
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.					
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.					
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.					
DESIGN FILE N:\240332\Design\12D\								SURVEYED ADW Johnson		DATUM GDA94 M.G.A. ZONE 56 A.H.D.	
ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE								PROJECT No. 240332		DISCIPLINE CENG	
Plotted By: anthonym Plot Date: 19/07/24 - 15:24 Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-511(F).dwg								NUMBER 511		REV. F	

240332-CENG-512(F)

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
- PAD LEVEL
- 60.50 DESIGN SURFACE CONTOURS
- 18 EXTENT OF BATTER
- PROPOSED RETAINING WALL 0.0-1.0m
- 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

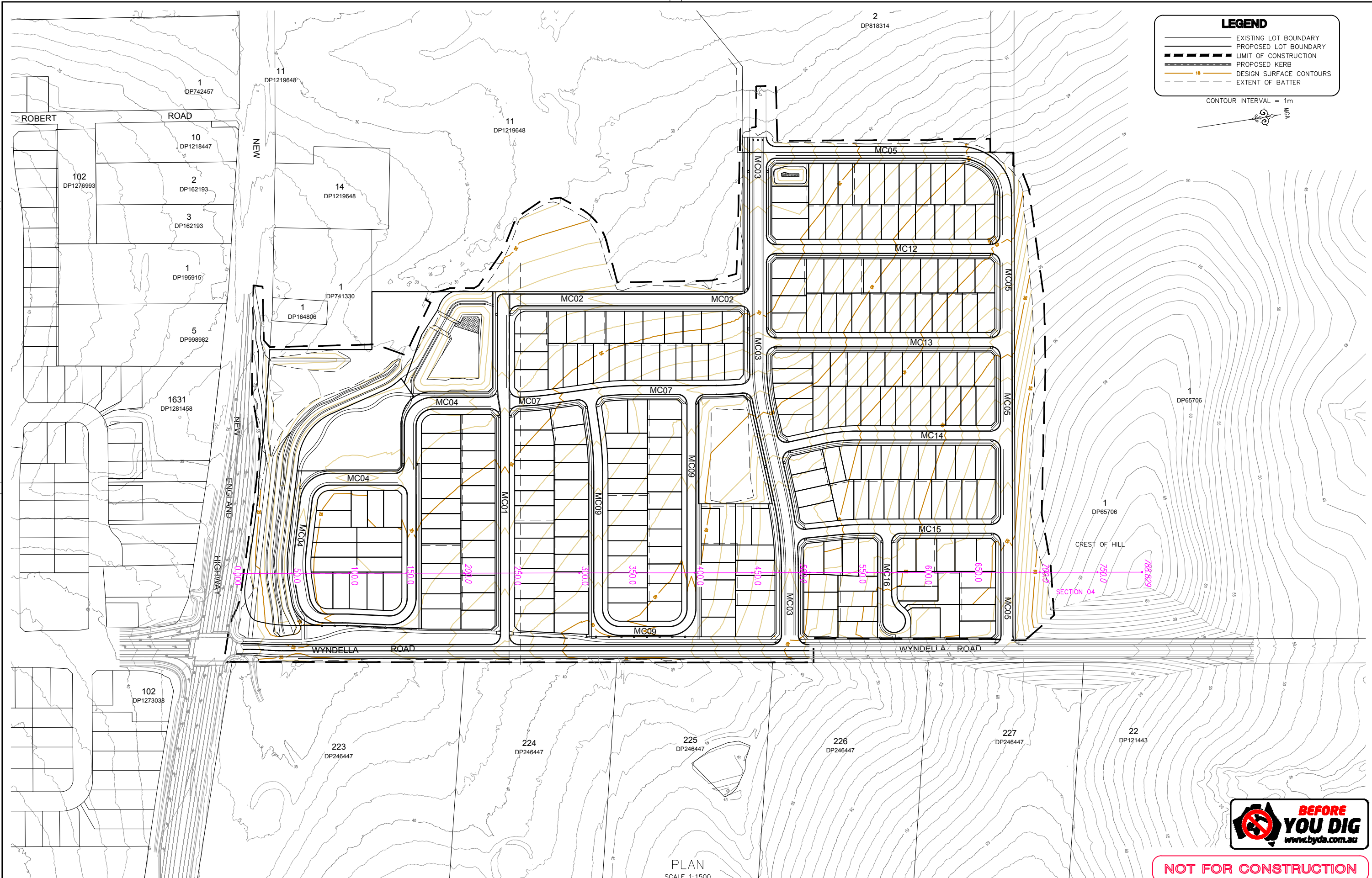


NOT FOR CONSTRUCTION

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<p>DESIGN FILE N:\240332\Design\12D\ ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE</p>							<p>PLAN TITLE</p> <p style="text-align: center;">PAD LEVEL & RETAINING WALL PLAN: SHEET 2</p>																																													
Plotted By: anthonym		Plot Date: 19/07/24 - 15:24		Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-512(F).dwg		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th>PROJECT No.</th><th>DISCIPLINE</th><th>NUMBER</th><th>REV.</th></tr> <tr><td>240332</td><td>CENG</td><td>512</td><td>F</td></tr> </table>	PROJECT No.	DISCIPLINE	NUMBER	REV.	240332	CENG	512	F																																						
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240332	CENG	512	F																																																	

240332-CENG-521(F)

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
- 10 — DESIGN SURFACE CONTOURS
- - - EXTENT OF BATTER

CONTOUR INTERVAL = 1m

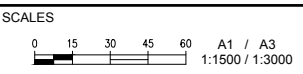


NOT FOR CONSTRUCTION

PLAN
SCALE 1:1500

REV.	DATE	AMENDMENT
A	22.03.2023	INITIAL ISSUE
B	21.04.2023	MINOR AMENDMENTS
C	21.11.2023	MINOR AMENDMENTS
D	14.06.2024	AMEND TO COUNCIL COMMENTS
E	08.07.2024	MINOR AMENDMENTS
F	19.07.2024	MINOR AMENDMENTS

DRAWN	CHECK	DESIGN	VERIFY
D.N.	M.K.	C.L.	M.L.
D.N.	M.K.	C.L.	M.L.
A.M.	M.K.	C.L.	M.L.
R.C.	M.K.	M.K.	M.L.
D.W.	M.K.	M.K.	M.L.
A.M.	M.K.	M.K.	M.L.



adw Johnson

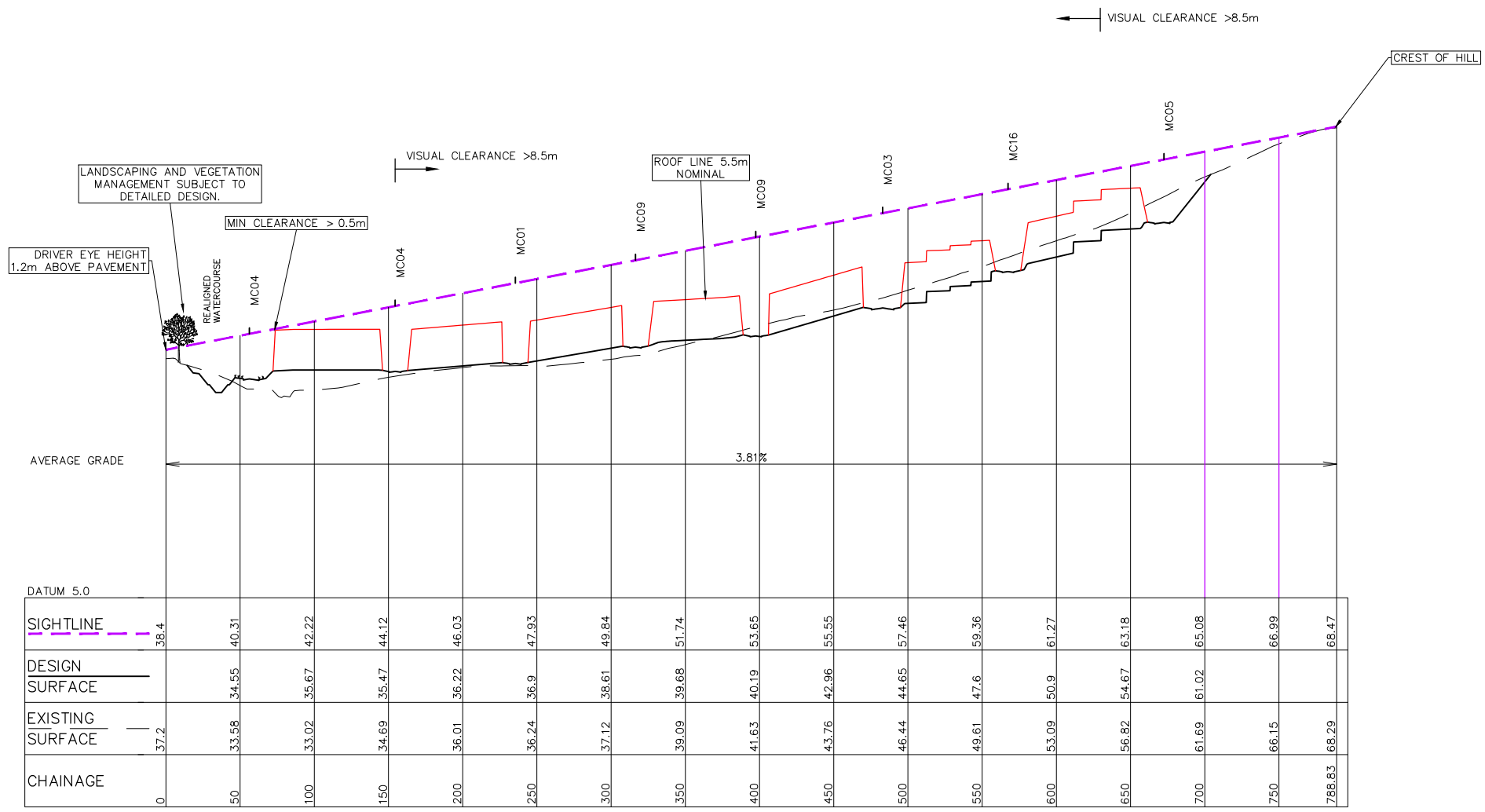
Hunter Office
Unit 7/335 Hillsborough Rd
Warners Bay N.S.W. 2282
Phone: (02) 4978 5100
Fax: (02) 4978 5199
email: hunter@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT

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



LONGITUDINAL SECTION 04
HORIZONTAL SCALE 1:2000
VERTICAL SCALE 1:400

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> <tr><td>C</td><td>21.11.2023</td><td>MINOR AMENDMENTS</td></tr> <tr><td>D</td><td>14.06.2024</td><td>AMEND TO COUNCIL COMMENTS</td></tr> <tr><td>E</td><td>08.07.2024</td><td>MINOR AMENDMENTS</td></tr> <tr><td>F</td><td>19.07.2024</td><td>MINOR AMENDMENTS</td></tr> </tbody> </table>	REV.	DATE	AMENDMENT	A	22.03.2023	INITIAL ISSUE	B	21.04.2023	MINOR AMENDMENTS	C	21.11.2023	MINOR AMENDMENTS	D	14.06.2024	AMEND TO COUNCIL COMMENTS	E	08.07.2024	MINOR AMENDMENTS	F	19.07.2024	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> <tr><td>A.M.</td><td>M.K.</td><td>C.L.</td><td>M.L.</td></tr> <tr><td>R.C.</td><td>M.K.</td><td>M.K.</td><td>M.L.</td></tr> <tr><td>D.W.</td><td>M.K.</td><td>M.K.</td><td>M.L.</td></tr> <tr><td>A.M.</td><td>M.K.</td><td>M.K.</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.	A.M.	M.K.	C.L.	M.L.	R.C.	M.K.	M.K.	M.L.	D.W.	M.K.	M.K.	M.L.	A.M.	M.K.	M.K.	M.L.	<p>SCALES</p> <p>VERT </p> <p>HORIZ </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>CLIENT</p> <p>CPGESTATES</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>
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						<p>PLAN TITLE</p> <p>HIGHWAY VIEW CORRIDOR SITE SECTION</p>																																																		
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ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG	522	F																																																			

240332-CENG-801(F)

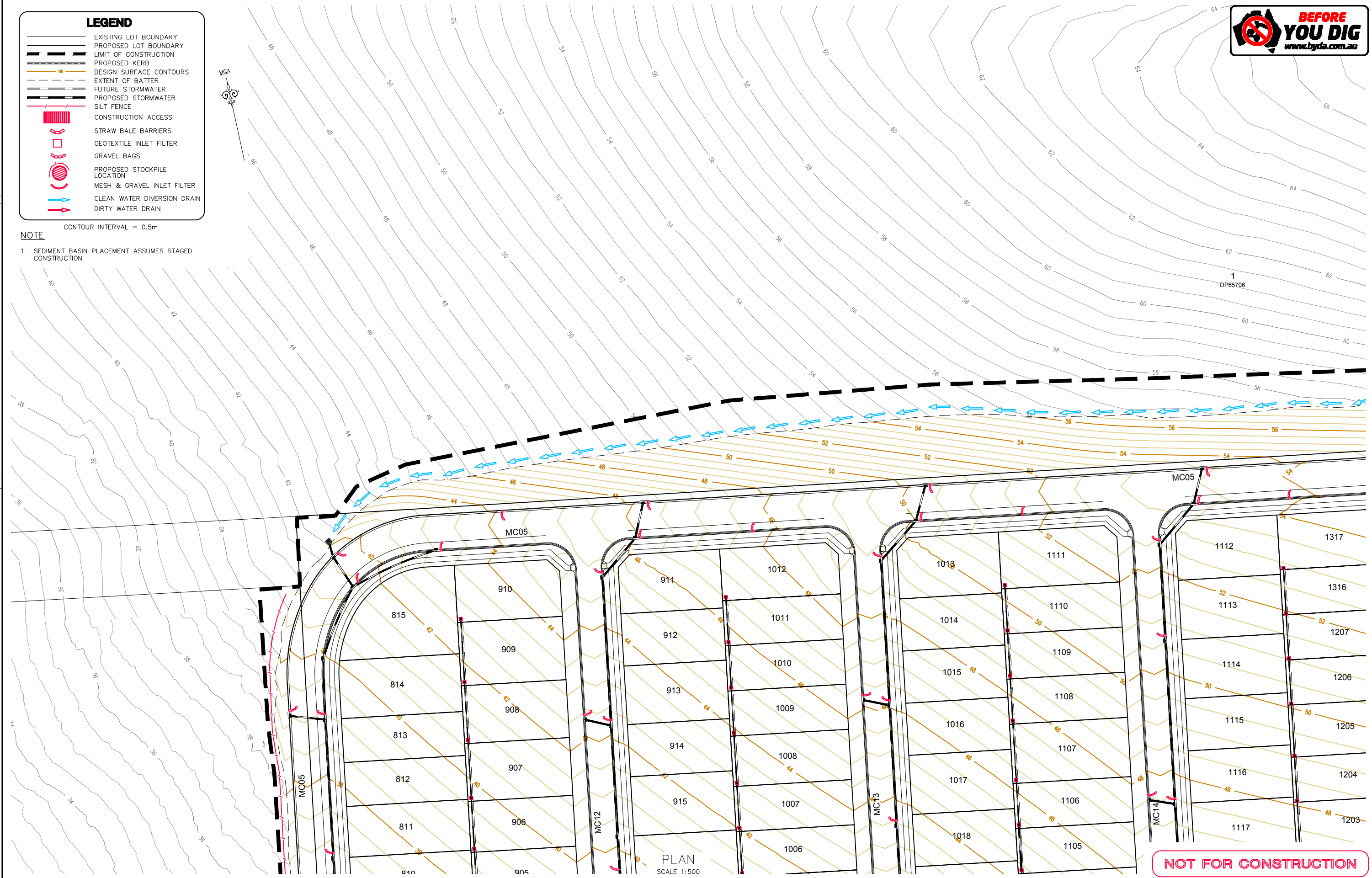


LEGEND

- 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



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> <tr> <td>C</td> <td>21.11.2023</td> <td>MINOR AMENDMENTS</td> <td>A.M.</td> <td>M.K.</td> <td>C.L.</td> <td>M.L.</td> </tr> <tr> <td>D</td> <td>14.06.2024</td> <td>AMEND TO COUNCIL COMMENTS</td> <td>R.C.</td> <td>M.K.</td> <td>M.K.</td> <td>M.L.</td> </tr> <tr> <td>E</td> <td>08.07.2024</td> <td>MINOR AMENDMENTS</td> <td>D.W.</td> <td>M.K.</td> <td>M.K.</td> <td>M.L.</td> </tr> <tr> <td>F</td> <td>19.07.2024</td> <td>MINOR AMENDMENTS</td> <td>A.M.</td> <td>M.K.</td> <td>M.K.</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.	C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.	D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.	E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.	F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.	<p>SCALES</p> <p>0 10 20 A1 / A3 1:500 / 1:1000</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>CLIENT</p> <p>CPGESTATES</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>EROSION AND SEDIMENT CONTROL: SHEET 1</p>		
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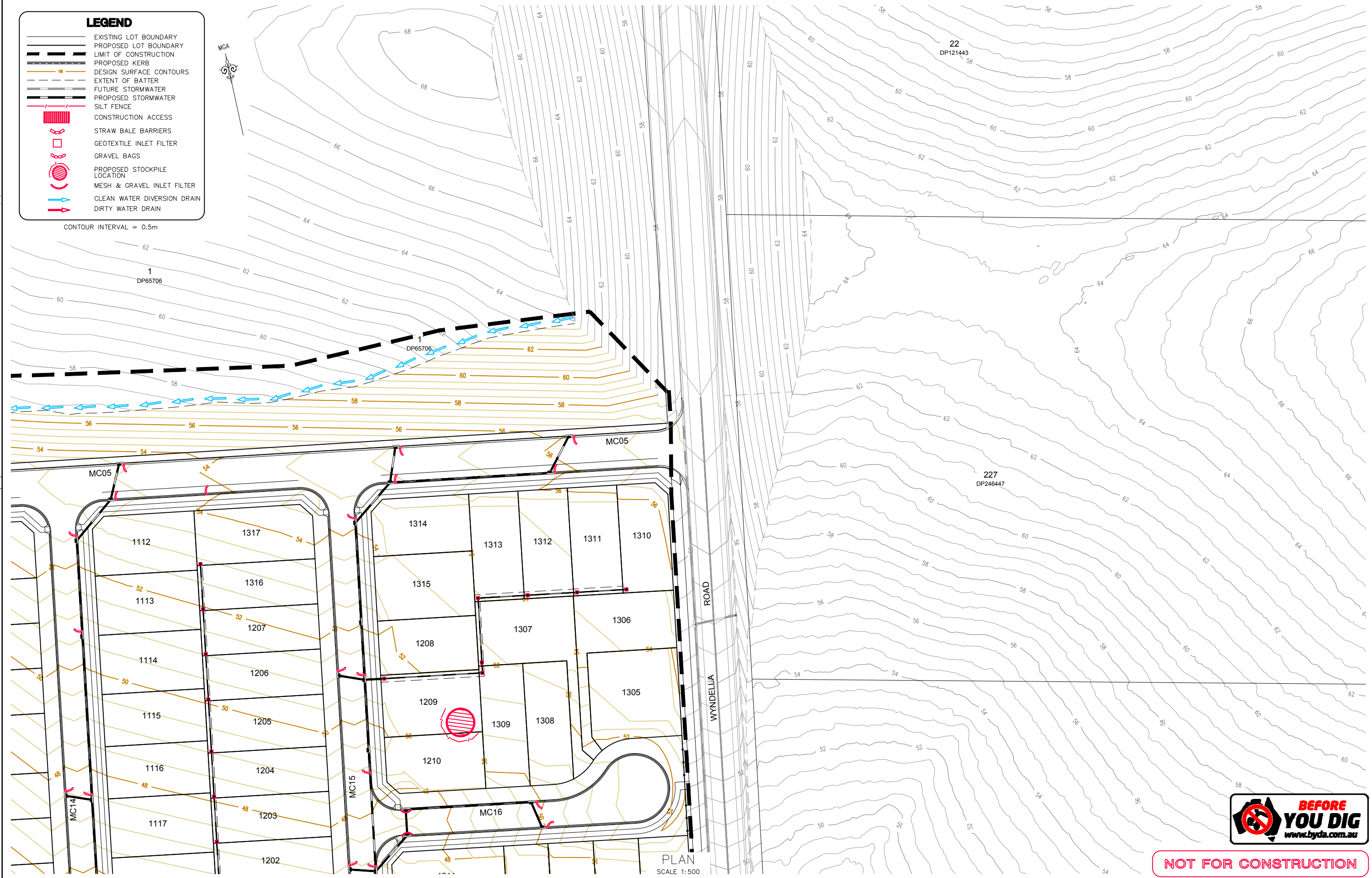
100mm AT FULL SIZE
 This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

240332-CENG-802(F)

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



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	PROPERTY DESCRIPTION	PROJECT
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	0 10 20 A1 / A3 1:500 / 1:1000			CPGESTATES	CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION LOT 2, 3, 4, 5, 6 & 9 DP747391 & LOT 12 & 13 DP1219648 WYNDELLA ROAD, LOCHINVAR
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.					PLAN TITLE
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.					EROSION AND SEDIMENT CONTROL: SHEET 2
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.					PROJECT No.
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.					240332
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.					DISCIPLINE
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											REV.
											F

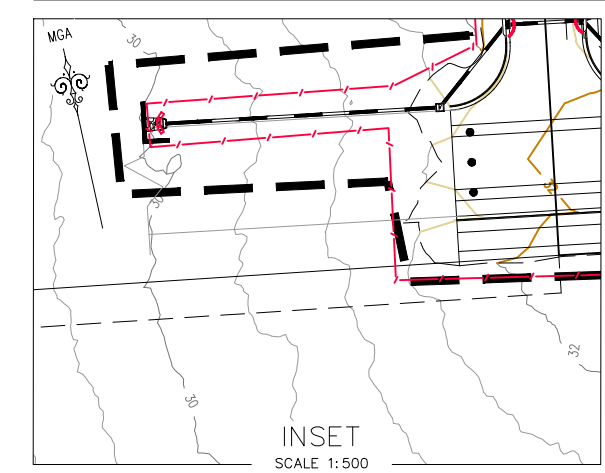
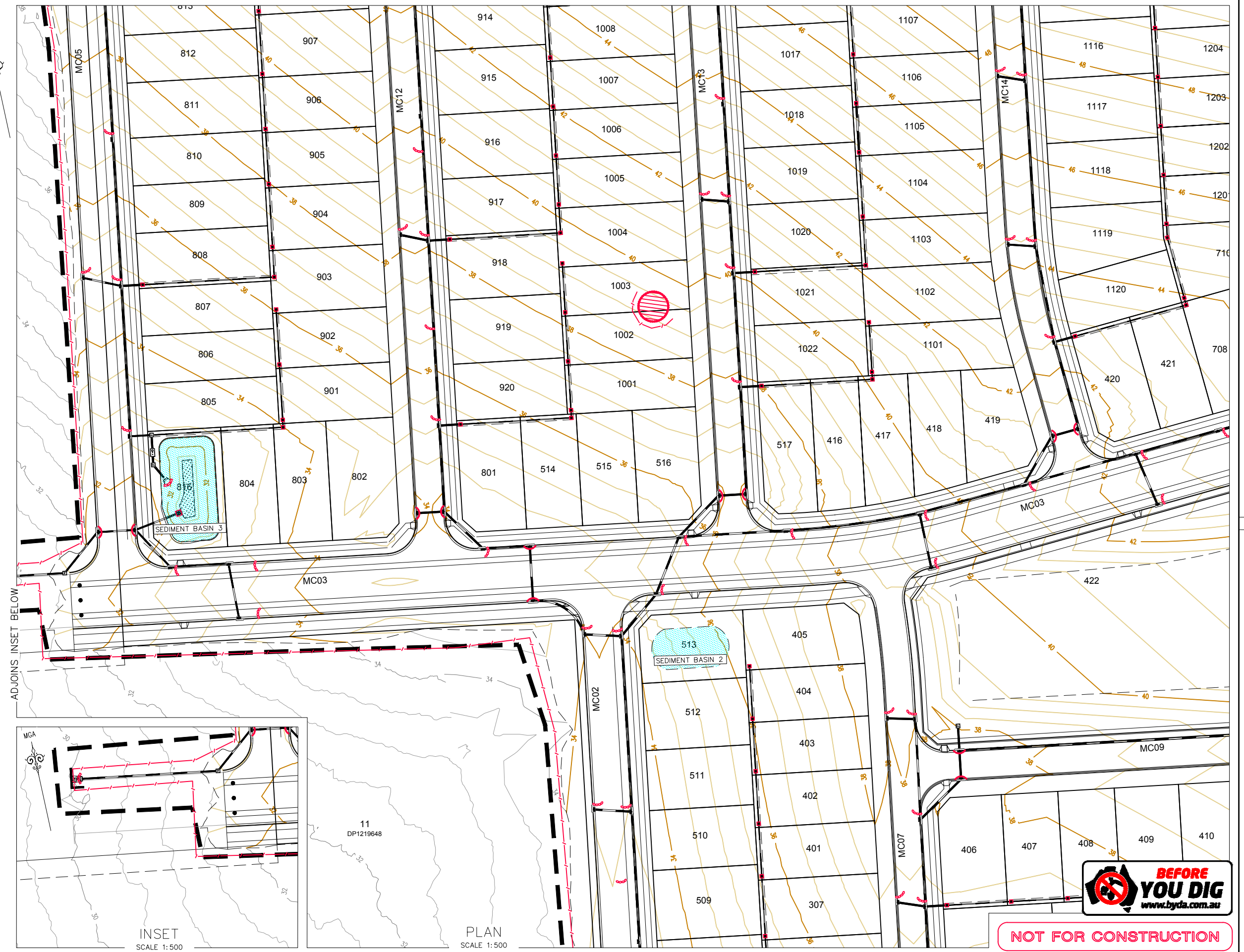
240332-CENG-803(F)

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



PLAN
SCALE 1:500



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.	
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.	
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.	
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.	
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.	

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

adw Johnson

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Fax: (02) 4978 5199
email: hunter@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

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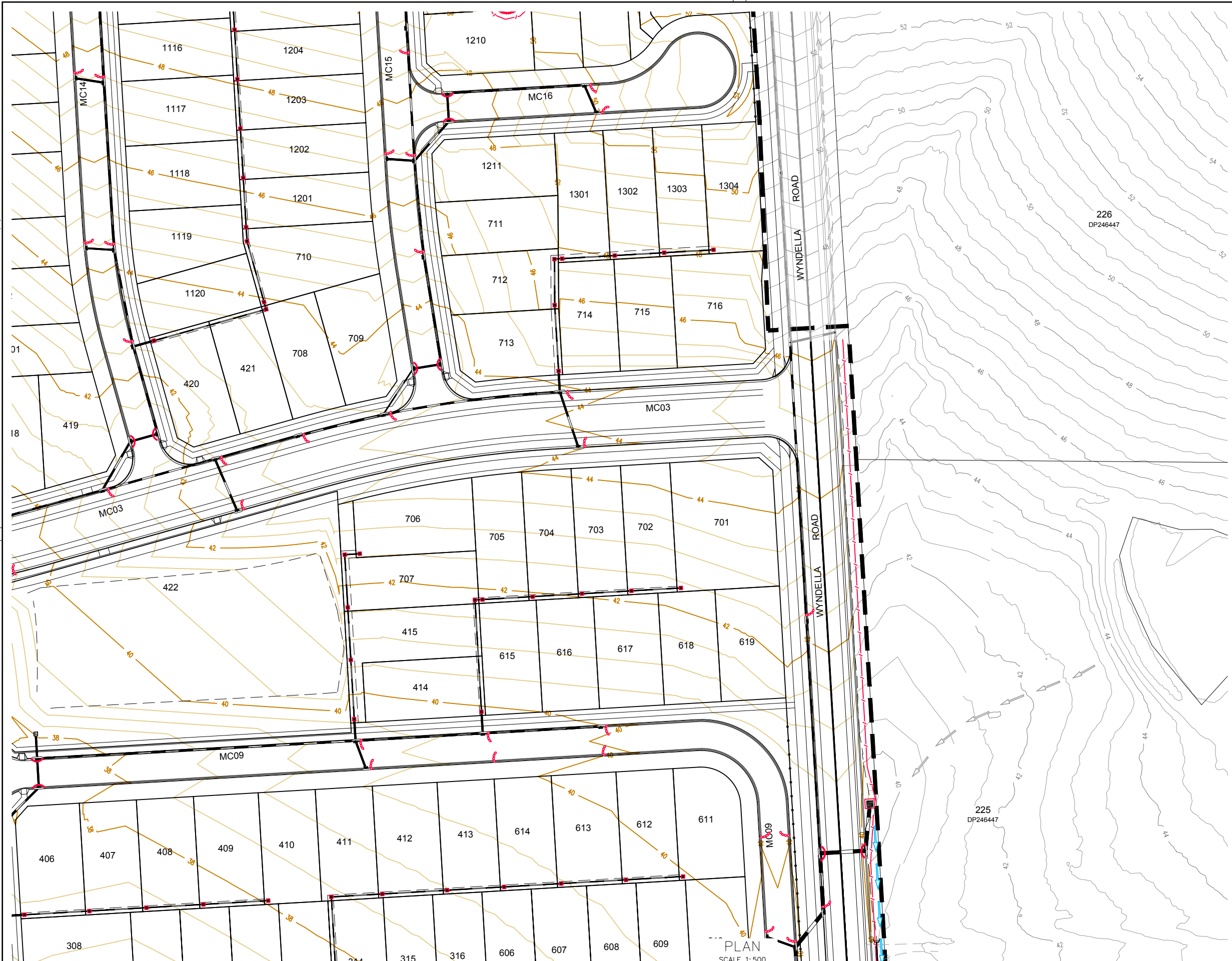
CPGESTATES

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

PROJECT		PLAN TITLE	
WYNDELLA ROAD LOCHINVAR		EROSION AND SEDIMENT CONTROL: SHEET 3	
SURVEYED	DATUM	PROJECT No.	DISCIPLINE
ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	CENG
		NUMBER	REV.
		803	F

240332-CENG-804(F)

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

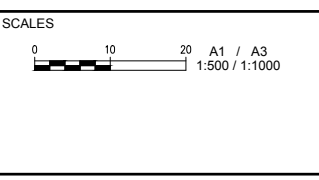
CONTOUR INTERVAL = 0.5m



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT
A	22.03.2023	INITIAL ISSUE
B	21.04.2023	MINOR AMENDMENTS
C	21.11.2023	MINOR AMENDMENTS
D	14.06.2024	AMEND TO COUNCIL COMMENTS
E	08.07.2024	MINOR AMENDMENTS
F	19.07.2024	MINOR AMENDMENTS

DRAWN	CHECK	DESIGN	VERIFY
D.N.	M.K.	C.L.	M.L.
D.N.	M.K.	C.L.	M.L.
A.M.	M.K.	C.L.	M.L.
R.C.	M.K.	M.K.	M.L.
D.W.	M.K.	M.K.	M.L.
A.M.	M.K.	M.K.	M.L.



adw Johnson

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ABN 62 129 445 398

CLIENT

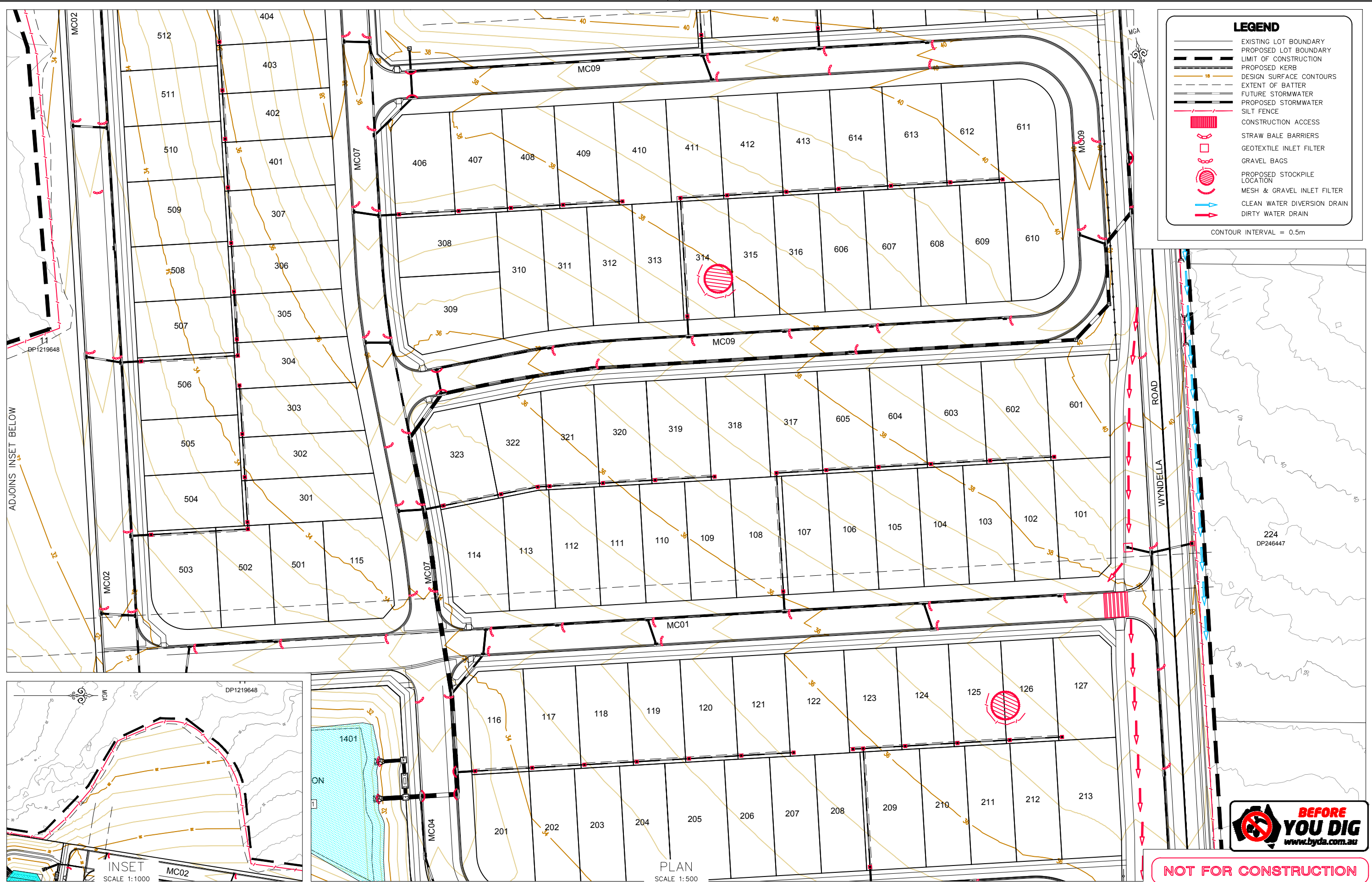
CPG ESTATES

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		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	F

240332-CENG-805(F)

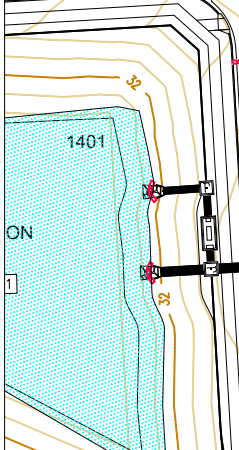
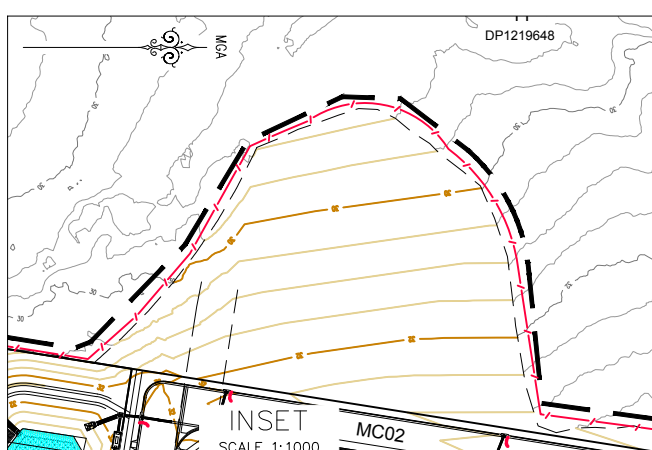
100mm AT FULL SIZE
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LEGEND

- 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

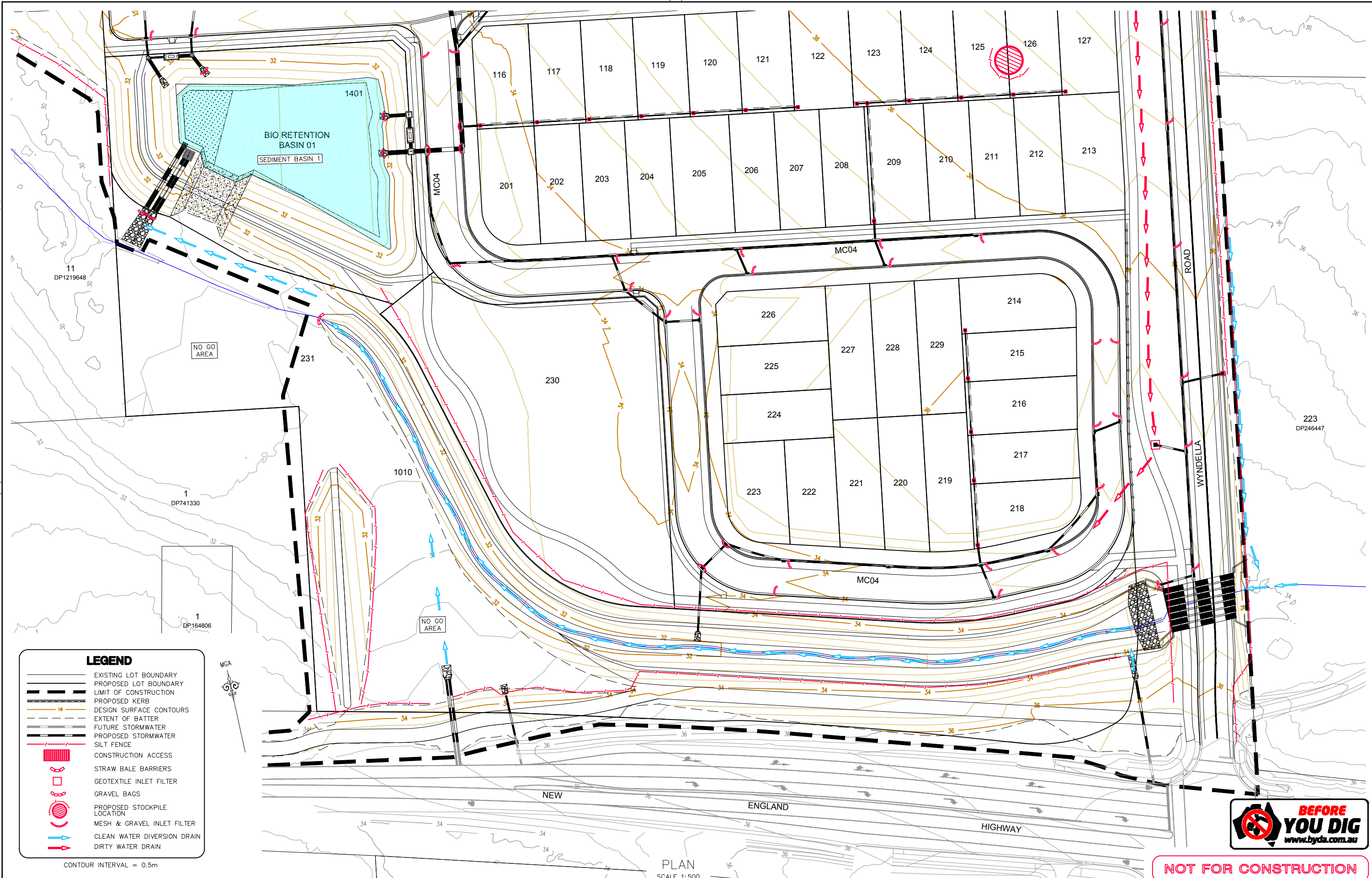


NOT FOR CONSTRUCTION

REV.	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.		CPGESTATES 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.				PLAN TITLE				
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.				EROSION AND SEDIMENT CONTROL: SHEET 5				
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.								
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.								
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	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.	PROJECT No. 240332	DISCIPLINE CENG	NUMBER 805	REV. F

240332-CENG-806(F)

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.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	0 10 20 A1 / A3	Hunter Office	CONCEPT ENGINEERING PLANS FOR PROPOSED SUBDIVISION	WYNDELLA ROAD LOCHINVAR		ADW Johnson	GDA94 M.G.A. ZONE 56	240332	CENG	806	F
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.	1:500 / 1:1000	Unit 7/335 Hillsborough Rd	LOT 2, 3, 4, 5, 6 & 9 DP747391								
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.		Warners Bay N.S.W. 2282	& LOT 12 & 13 DP1219648								
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.		Phone: (02) 4978 5100	WYNDELLA ROAD, LOCHINVAR								
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.		Fax: (02) 4978 5199									
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.		email: hunter@adwjohnson.com.au									
								www.adwjohnson.com.au									
								ABN 62 129 445 398									

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 EROSIONITY (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	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 EROSIONITY (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

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	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 EROSIONITY (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

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 EROSIONITY (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	SURVEYED ADW Johnson	DATUM GDA94 M.G.A. ZONE 56 A.H.D.	PROJECT WYNDELLA ROAD LOCHINVAR PLAN TITLE BASIN CALCULATION CHARTS	PROJECT No. 240332	DISCIPLINE CENG	NUMBER 807	REV. F				
DESIGN FILE N:\240332\Design\12D\								ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE															
Plotted By: anthonym												Plot Date: 19/07/24 - 15:25											
Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-807(F).dwg																							

240332-CENG-901(F)



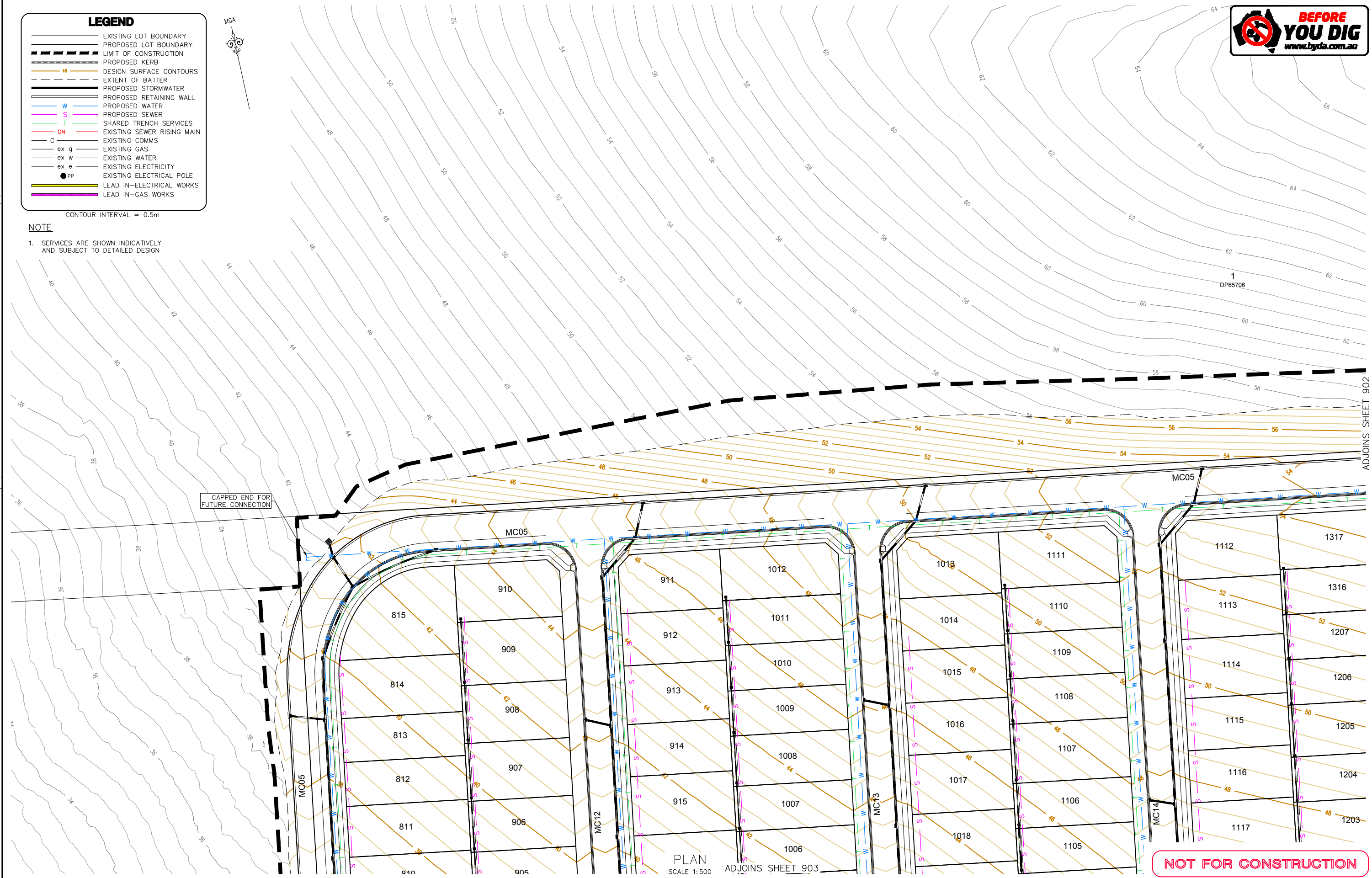
LEGEND

- 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
- ex e — EXISTING ELECTRICITY
- PP — EXISTING ELECTRICAL POLE
- LEAD IN—ELECTRICAL WORKS
- LEAD IN—GAS WORKS

CONTOUR INTERVAL = 0.5m

NOTE

1. SERVICES ARE SHOWN INDICATIVELY AND SUBJECT TO DETAILED DESIGN



CAPPED END FOR FUTURE CONNECTION

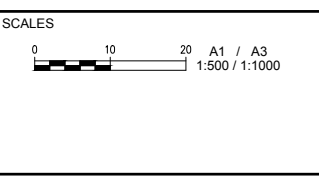
PLAN SCALE 1:500 ADJOINS SHEET 903

NOT FOR CONSTRUCTION

100mm AT FULL SIZE
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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.
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.

DRAWN	CHECK	DESIGN	VERIFY
D.N.	M.K.	C.L.	M.L.
D.N.	M.K.	C.L.	M.L.
A.M.	M.K.	C.L.	M.L.
R.C.	M.K.	M.K.	M.L.
D.W.	M.K.	M.K.	M.L.
A.M.	M.K.	M.K.	M.L.



adw Johnson

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www.adwjohnson.com.au
ABN 62 129 445 398

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	PLAN TITLE
WYNDELLA ROAD LOCHINVAR	INDICATIVE SERVICES PLAN: SHEET 1
PROJECT No. 240332	DISCIPLINE - CENG
NUMBER - 901	REV. - F

240332-CENG-902(F)

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
- ex e EXISTING ELECTRICITY
- EXISTING ELECTRICAL POLE
- LEAD IN—ELECTRICAL WORKS
- LEAD IN—GAS WORKS

CONTOUR INTERVAL = 0.5m

NOTE

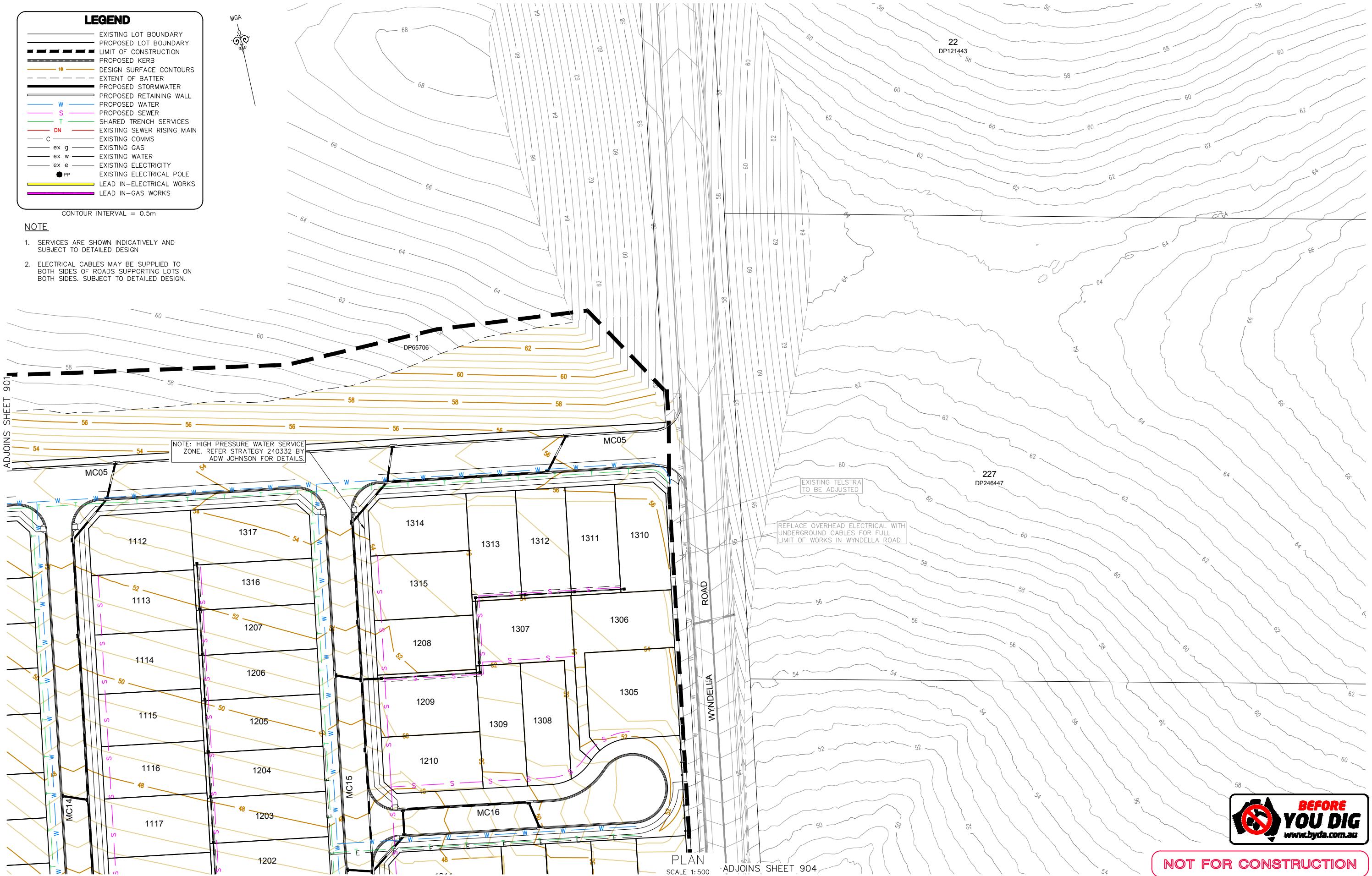
1. SERVICES ARE SHOWN INDICATIVELY AND SUBJECT TO DETAILED DESIGN
2. ELECTRICAL CABLES MAY BE SUPPLIED TO BOTH SIDES OF ROADS SUPPORTING LOTS ON BOTH SIDES. SUBJECT TO DETAILED DESIGN.

ADJOINS SHEET 901

NOTE: HIGH PRESSURE WATER SERVICE ZONE. REFER STRATEGY 240332 BY ADW JOHNSON FOR DETAILS.

EXISTING TELSTRA TO BE ADJUSTED

REPLACE OVERHEAD ELECTRICAL WITH UNDERGROUND CABLES FOR FULL LIMIT OF WORKS IN WYNDELLA ROAD



PLAN SCALE 1:500 ADJOINS SHEET 904



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT
A	22.03.2023	INITIAL ISSUE
B	21.04.2023	MINOR AMENDMENTS
C	21.11.2023	MINOR AMENDMENTS
D	14.06.2024	AMEND TO COUNCIL COMMENTS
E	08.07.2024	MINOR AMENDMENTS
F	19.07.2024	MINOR AMENDMENTS

DRAWN	CHECK	DESIGN	VERIFY
D.N.	M.K.	C.L.	M.L.
A.M.	M.K.	C.L.	M.L.
R.C.	M.K.	M.K.	M.L.
D.W.	M.K.	M.K.	M.L.
A.M.	M.K.	M.K.	M.L.



adw Johnson

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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		PLAN TITLE	
WYNDELLA ROAD LOCHINVAR		INDICATIVE SERVICES PLAN: SHEET 2	
PROJECT No.	DISCIPLINE	NUMBER	REV.
240332	CENG	902	F

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-903(F)

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.

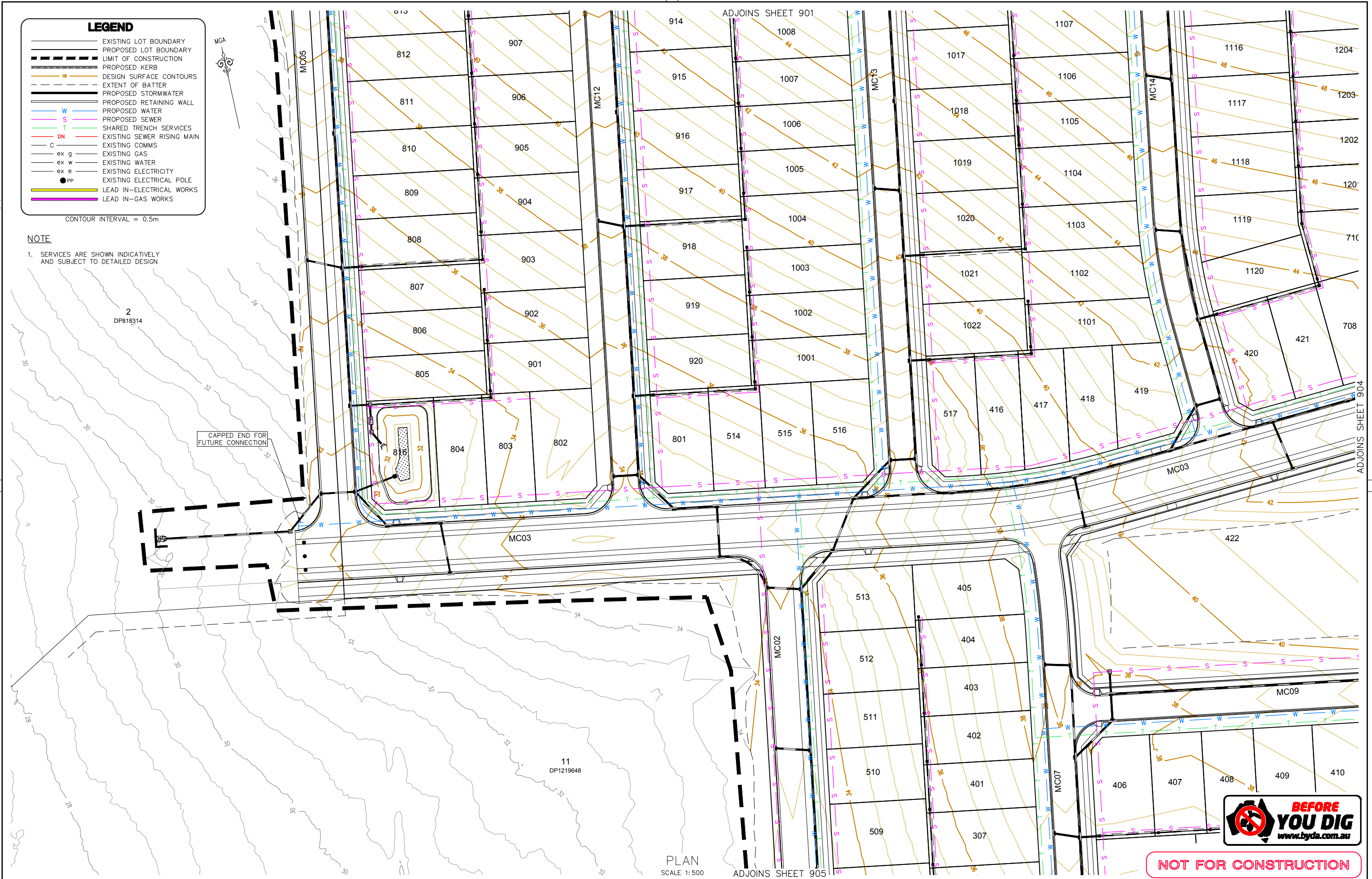
LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- LIMIT OF CONSTRUCTION
- PROPOSED KERB
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- PROPOSED STORMWATER
- PROPOSED RETAINING WALL
- PROPOSED WATER
- PROPOSED SEWER
- SHARED TRENCH SERVICES
- DN EXISTING SEWER RISING MAIN
- C EXISTING COMMS
- ex g EXISTING GAS
- ex w EXISTING WATER
- ex e EXISTING ELECTRICITY
- EXISTING ELECTRICAL POLE
- 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



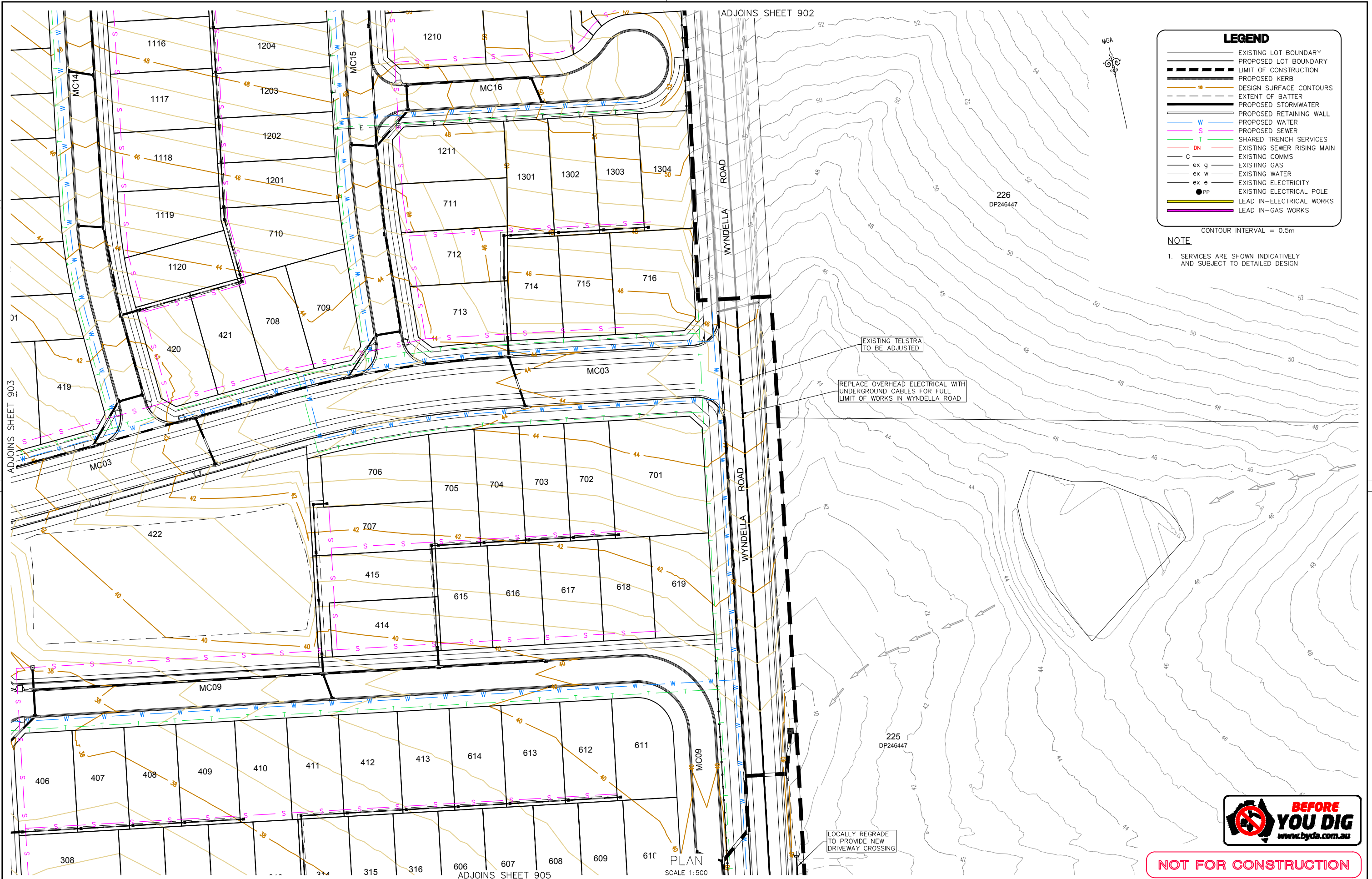
NOT FOR CONSTRUCTION

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.		adw Johnson	CPGESTATES 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 INDICATIVE SERVICES PLAN: SHEET 3									
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.						PROJECT No. 240332									
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.						DISCIPLINE - CENG									
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.						NUMBER - 903									
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.						REV. F									
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 - 903		REV. F	

240332-CENG-904(F)

ADJOINS SHEET 903

ADJOINS SHEET 902



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
- EXISTING ELECTRICITY
- EXISTING ELECTRICAL POLE
- LEAD IN-ELECTRICAL WORKS
- LEAD IN-GAS WORKS

CONTOUR INTERVAL = 0.5m

NOTE

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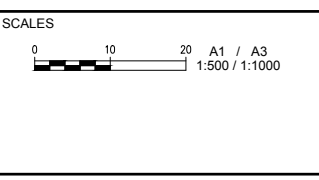
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B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.

DRAWN	CHECK	DESIGN	VERIFY
D.N.	M.K.	C.L.	M.L.
A.M.	M.K.	C.L.	M.L.
R.C.	M.K.	M.K.	M.L.
D.W.	M.K.	M.K.	M.L.
A.M.	M.K.	M.K.	M.L.



adw Johnson

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ABN 62 129 445 398

CPG ESTATES

CLIENT

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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 4		
PROJECT No.	240332	DISCIPLINE	CENG
NUMBER	904	REV.	F

240332-CENG-905(F)

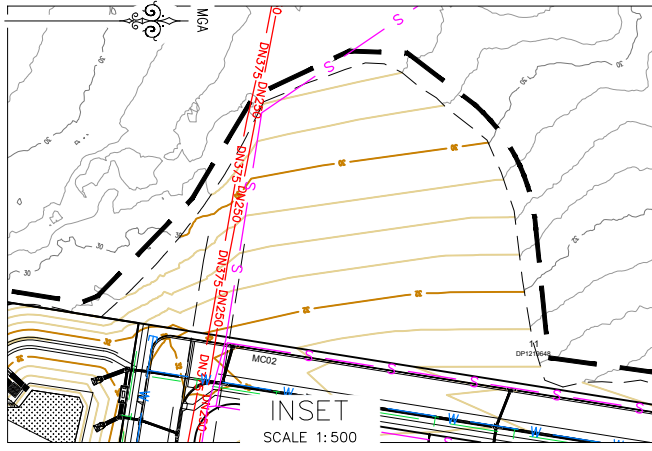
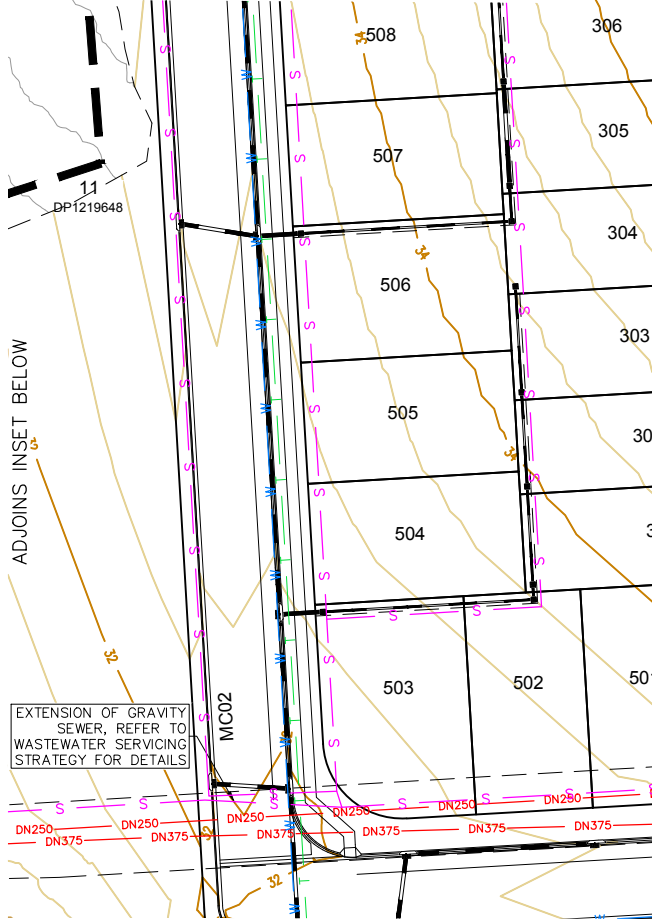
LEGEND

- 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
- - - EXISTING ELECTRICITY
- - - EXISTING ELECTRICAL POLE
- - - LEAD IN-ELECTRICAL WORKS
- - - LEAD IN-GAS WORKS

CONTOUR INTERVAL = 0.5m

NOTE

1. SERVICES ARE SHOWN INDICATIVELY AND SUBJECT TO DETAILED DESIGN



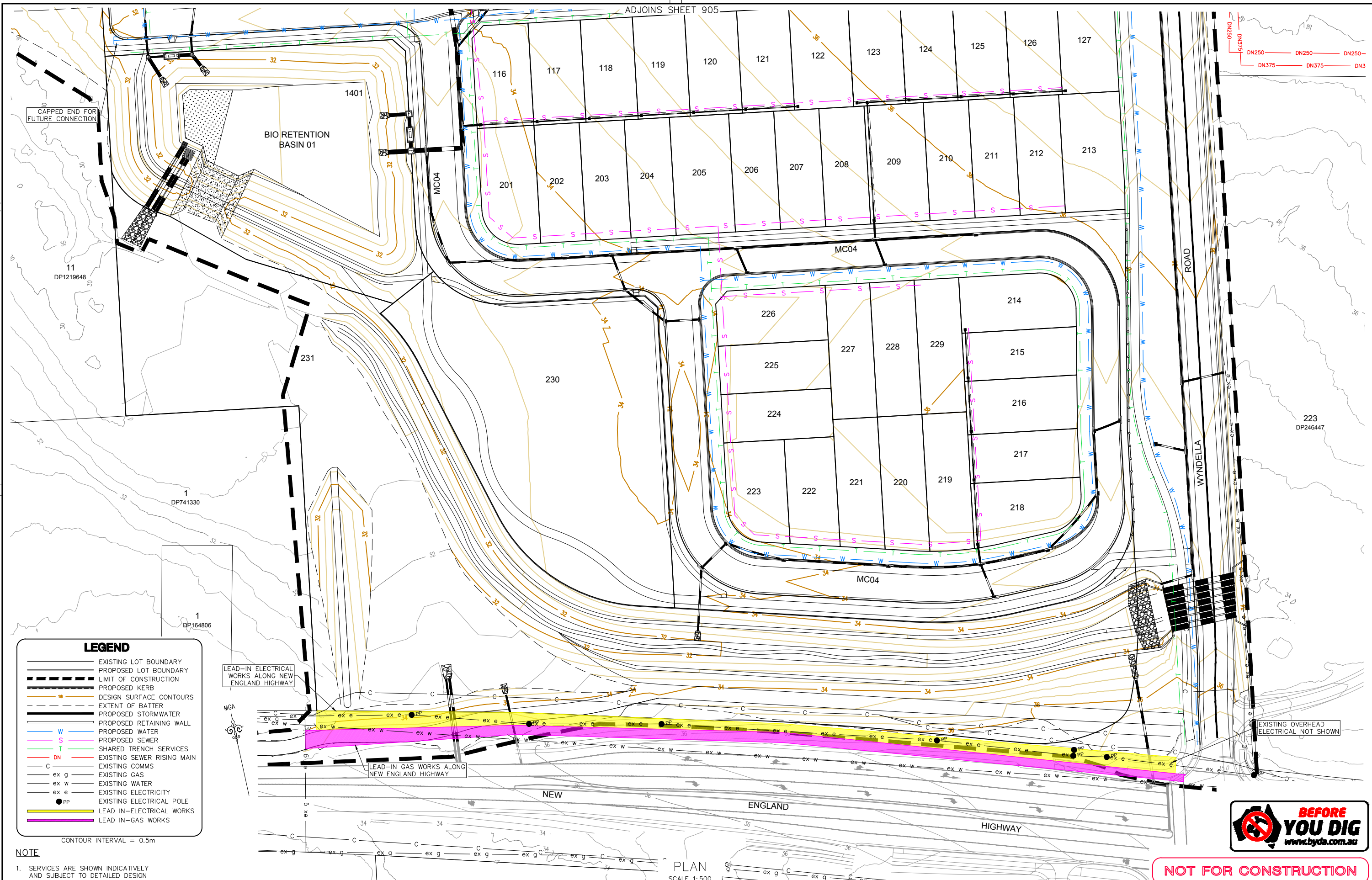
NOT FOR CONSTRUCTION

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th>REV.</th><th>DATE</th><th>AMENDMENT</th></tr> <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> <tr><td>C</td><td>21.11.2023</td><td>MINOR AMENDMENTS</td></tr> <tr><td>D</td><td>14.06.2024</td><td>AMEND TO COUNCIL COMMENTS</td></tr> <tr><td>E</td><td>08.07.2024</td><td>MINOR AMENDMENTS</td></tr> <tr><td>F</td><td>19.07.2024</td><td>MINOR AMENDMENTS</td></tr> </table>	REV.	DATE	AMENDMENT	A	22.03.2023	INITIAL ISSUE	B	21.04.2023	MINOR AMENDMENTS	C	21.11.2023	MINOR AMENDMENTS	D	14.06.2024	AMEND TO COUNCIL COMMENTS	E	08.07.2024	MINOR AMENDMENTS	F	19.07.2024	MINOR AMENDMENTS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th>DRAWN</th><th>CHECK</th><th>DESIGN</th><th>VERIFY</th></tr> <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> <tr><td>A.M.</td><td>M.K.</td><td>C.L.</td><td>M.L.</td></tr> <tr><td>R.C.</td><td>M.K.</td><td>M.K.</td><td>M.L.</td></tr> <tr><td>D.W.</td><td>M.K.</td><td>M.K.</td><td>M.L.</td></tr> <tr><td>A.M.</td><td>M.K.</td><td>M.K.</td><td>M.L.</td></tr> </table>	DRAWN	CHECK	DESIGN	VERIFY	D.N.	M.K.	C.L.	M.L.	D.N.	M.K.	C.L.	M.L.	A.M.	M.K.	C.L.	M.L.	R.C.	M.K.	M.K.	M.L.	D.W.	M.K.	M.K.	M.L.	A.M.	M.K.	M.K.	M.L.	<p>SCALES</p> <p>0 10 20 A1 / A3 1:500 / 1:1000</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>CLIENT</p> <p>CPGESTATES</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 5</p>
REV.	DATE	AMENDMENT																																																					
A	22.03.2023	INITIAL ISSUE																																																					
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D.W.	M.K.	M.K.	M.L.																																																				
A.M.	M.K.	M.K.	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.		PROJECT No. 240332		DISCIPLINE - CENG -		NUMBER 905		REV. F																																									

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240332-CENG-906(F)

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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
- EXISTING ELECTRICITY
- EXISTING ELECTRICAL POLE
- LEAD IN-ELECTRICAL WORKS
- LEAD IN-GAS WORKS

NOTE

1. SERVICES ARE SHOWN INDICATIVELY AND SUBJECT TO DETAILED DESIGN

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A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.
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F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.

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

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

adw Johnson

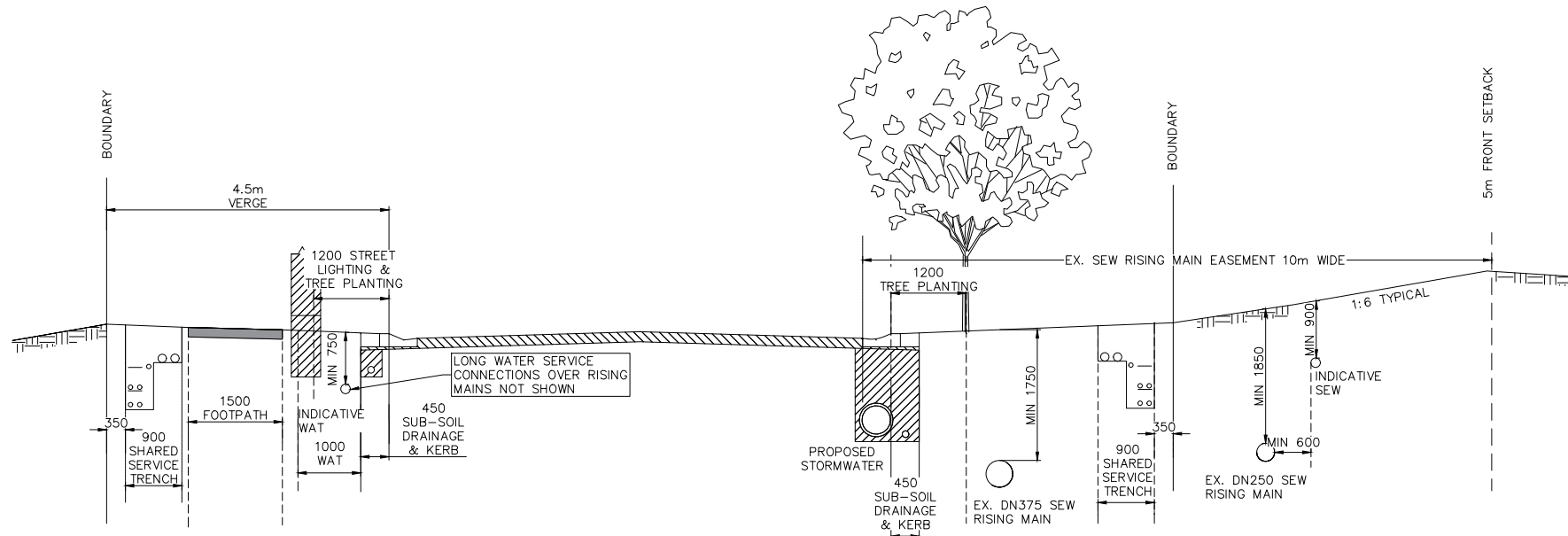
Hunter Office
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CPG ESTATES

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	PROJECT No.	DISCIPLINE	NUMBER	REV.
WYNDELLA ROAD LOCHINVAR	INDICATIVE SERVICES PLAN: SHEET 6	240332	CENG	906	F



TYPICAL SECTION ROAD MC01 SERVICES
NOT IN SCALE

NOTE:
ALL SERVICES SUBJECT TO DETAIL DESIGN

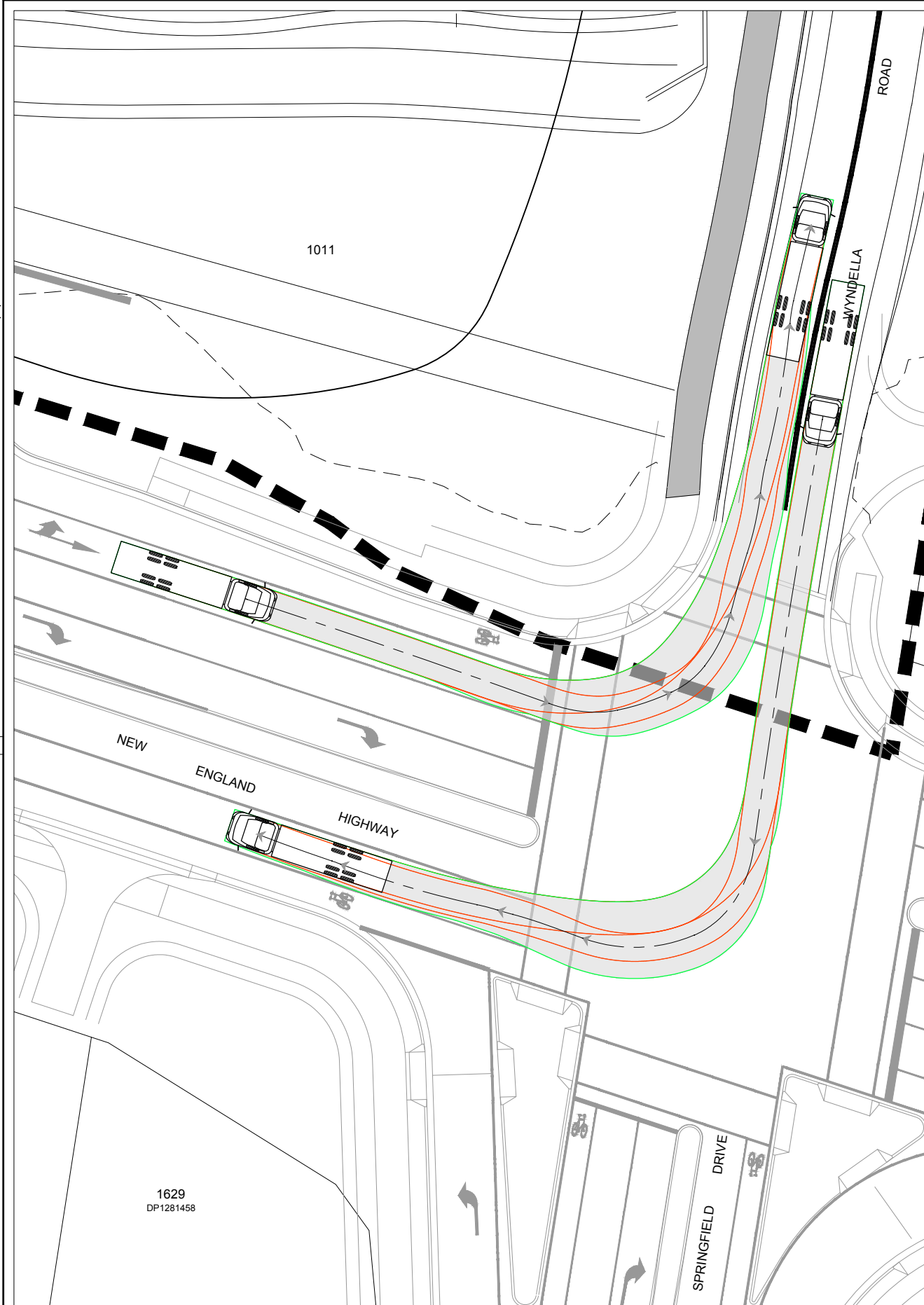


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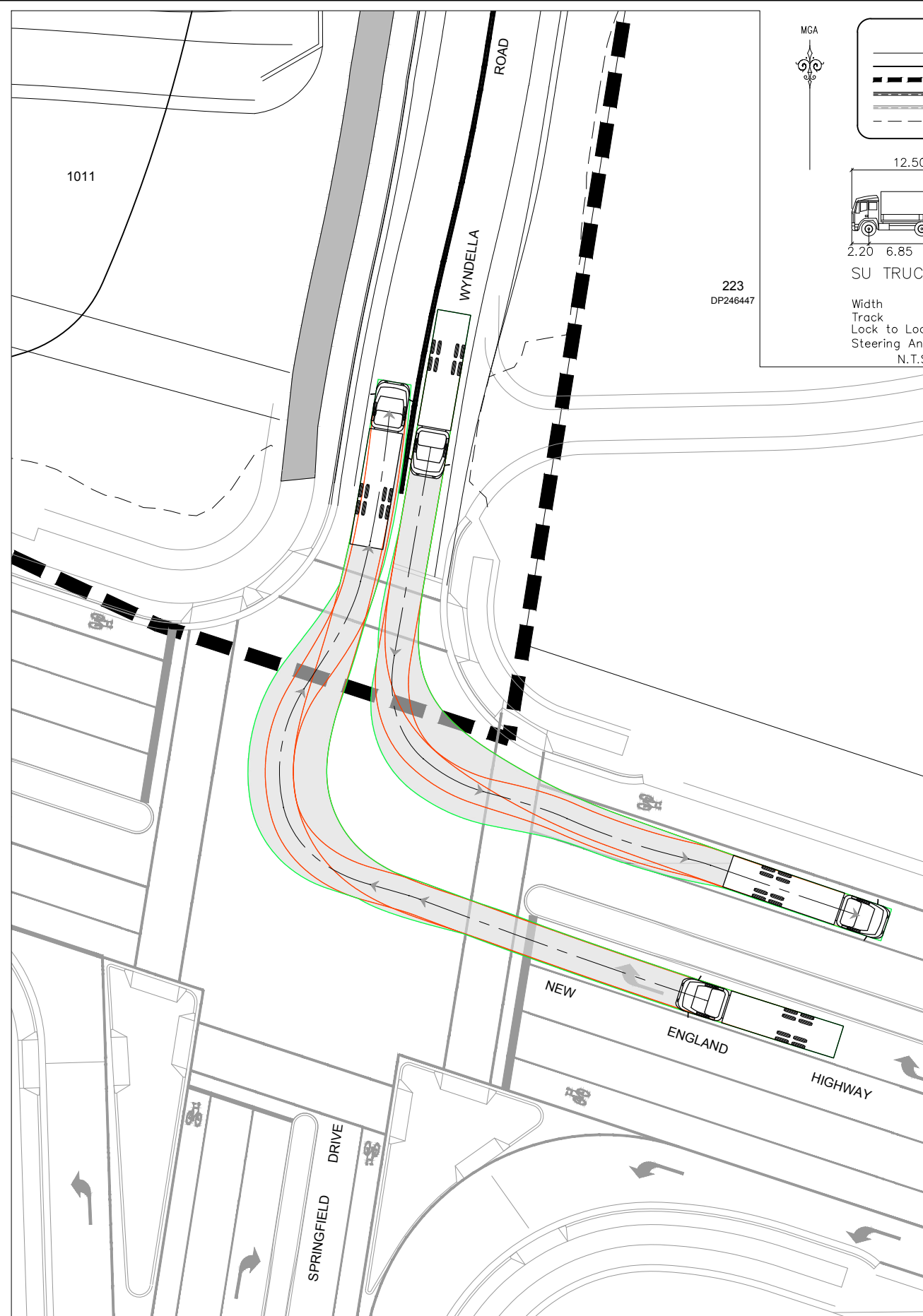
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT				
A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.		CPGESTATES Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au 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.				PLAN TITLE				
C	21.11.2023	MINOR AMENDMENTS	A.M.	M.K.	C.L.	M.L.				TYPICAL SECTION SERVICE ALLOCATION- ROAD MC04				
D	14.06.2024	AMEND TO COUNCIL COMMENTS	R.C.	M.K.	M.K.	M.L.								
E	08.07.2024	MINOR AMENDMENTS	D.W.	M.K.	M.K.	M.L.								
F	19.07.2024	MINOR AMENDMENTS	A.M.	M.K.	M.K.	M.L.								
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: anthonym Plot Date: 19/07/24 - 15:26 Cad File: N:\240332\DWG\Engineering\CENG\240332-CENG-907(F).dwg								ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	240332	- CENG	- 907	F	

240332-CENG-911(F)

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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

MGA

12.50

SU TRUCK

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



NOT FOR CONSTRUCTION

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A	22.03.2023	INITIAL ISSUE	D.N.	M.K.	C.L.	M.L.	<p>A1 / A3 1:200 / 1:400</p>
B	21.04.2023	MINOR AMENDMENTS	D.N.	M.K.	C.L.	M.L.	
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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		DISCIPLINE		NUMBER	REV.
WYNDELLA ROAD LOCHINVAR		CENG		911	F
PLAN TITLE		PROJECT No.			
TURNING MOVEMENT PLANS		240332			