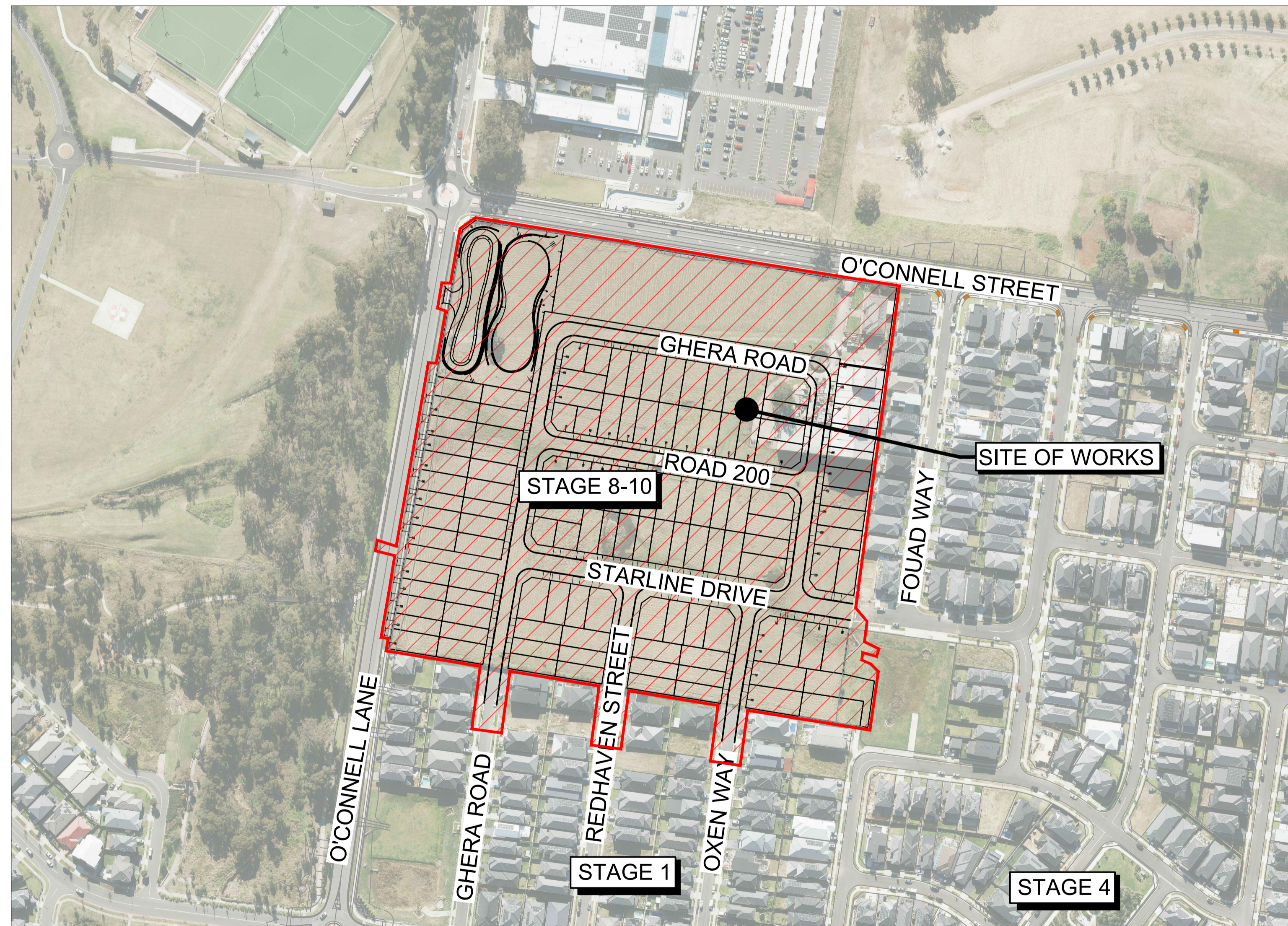




LEGACYPROPERTY

# CADDENS HILL STAGES 8 - 10

## PROPOSED SUBDIVISION OF LOT 37 DP 1044732, LOT 396 & 399 DP 1229232 PROPOSED STORMWATER, LOT AND ROAD WORKS



LOCALITY SKETCH

Plotted: 17 November, 2021 4:44:48 PM File Name: J:\110358 - O'Connell Lane Caddens\09 - Masterplanning\CD\DA\110358-09-DA001.dwg

AMENDMENT	DES	DRN	CKD	APR	DATE
3	GA	JM	MS	DJ	05/11/21
2	GA	JM	MS	DJ	03/11/21
1	GA	JM	MS	DJ	22/10/21

**J. WYNDHAM PRINCE**  
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750  
P 02 4720 3300 W [www.jwprince.com.au](http://www.jwprince.com.au) E [jwp@jwprince.com.au](mailto:jwp@jwprince.com.au)

CLIENT:



STATUS:

**ISSUE FOR  
DA APPROVAL**  
**NOT FOR CONSTRUCTION**  
THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS  
SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

CADDENS HILL  
STAGE 8 - 10  
COVER SHEET

PROJECT No:  
**110358-001**  
SHEET No:  
**DA001**

AZIMUTH: M.G.A. 94 DATUM: A.H.D. ORIGIN: PLAN No: 110358-09-DA001 3

Plotted: 17 November, 2021 11:45:36 AM File Name: J:\110358 - OConnell Lane Caddens\09 - Masterplanning\CD\DA\110358-09-DA002.dwg

CIVIL PLAN INDEX		
PLAN NO.	PLAN NAME	REV
110358-09-DA001	COVER SHEET	3
110358-09-DA002	INDEX, LEGEND & GENERAL NOTES	4
110358-09-DA003	SITE LAYOUT PLAN	3
110358-09-DA004	ROAD TYPICAL SECTIONS	2
110358-09-DA010	CUT & FILL PLAN	3
110358-09-DA011	SITE SECTIONS SHEET 1	1
110358-09-DA012	SITE SECTIONS SHEET 2	2
110358-09-DA013	SITE SECTIONS SHEET 3	2
110358-09-DA014	SITE SECTIONS SHEET 4	1
110358-09-DA050	ENGINEERING PLAN SHEET 1	4
110358-09-DA051	ENGINEERING PLAN SHEET 2	3
110358-09-DA052	DEMOLITION PLAN	1
110358-09-DA100	ROAD LONGITUDINAL SECTIONS SHEET 1	2
110358-09-DA101	ROAD LONGITUDINAL SECTIONS SHEET 2	1
110358-09-DA102	ROAD LONGITUDINAL SECTIONS SHEET 3	1
110358-09-DA300	STORMWATER PLAN	3
110358-09-DA301	SOIL & WATER MANAGEMENT PLAN	3
110358-09-DA302	SOIL & WATER MANAGEMENT NOTES	1
110358-09-DA400	BASIN PLAN AND RAINGARDEN DETAILS	3
110358-09-DA401	BASIN SECTIONS SHEET 1	2
110358-09-DA402	BASIN SECTIONS SHEET 2	2

### GENERAL NOTES

- THESE PLANS ARE ONLY FOR THE PURPOSE OF LODGING A DEVELOPMENT APPLICATION TO COUNCIL.
- THE PROPERTY BOUNDARIES, LAYOUT AND EASEMENTS SHOWN ARE SUBJECT TO CHANGE DURING THE DETAIL PROCESS OF THE DEVELOPMENT AND FINAL CADASTRAL SURVEY AND BOUNDARY 'FIX' TO MEET THE REQUIREMENTS OF NSW LRS SERVICE.
- THE LEVEL AND CONFIGURATION OF ANY ROAD, THE LEVEL AND EXTENT OF ANY FILLING AREA, AND THE LEVEL, LOCATION AND SIZE OF ANY STORMWATER DRAINS ARE ALSO SUBJECT TO CHANGE DURING THE DETAIL DESIGN PROCESS OF THE DEVELOPMENT. ACCORDINGLY EVERY DIMENSION, DISTANCE, LEVEL OR SIMILAR IS APPROXIMATE ONLY.
- DO NOT SCALE ANY DIMENSION FROM THESE PLANS. CHECK WITH J.WYNDHAM PRINCE REGARDING ANY UNDIMENSIONED DISTANCE.
- THE WORKS SHOWN ON THESE PLANS WILL BE CONSTRUCTED TO COUNCIL'S ADOPTED ENGINEERING STANDARD.

### STORMWATER NOTES

- STORMWATER IS SUBJECT TO DETAIL DESIGN. 2D LAYOUT SHOWN ON PLANS ONLY.
- ALL DRAINAGE LINES THROUGH LOTS SHALL BE CONTAINED WITHIN THE FOLLOWING EASEMENTS:
  - INTER ALLOTMENT DRAINS (I.A.D)  
2.0m WIDE EASEMENT (SUBJECT TO PIT AND ADJACENT RETAINING WALLS)
  - ALL OTHER DRAINS - REFER TO COUNCIL'S STORMWATER MANAGEMENT POLICY.

SURVEYED BY:  
VINCE MORGAN  
REGISTERED SURVEYORS  
77 UNION ROAD PENRITH NSW 2750  
(2) 47215293

CAD REFERENCE:  
20467-DETAIL-89OCONNEL3.dxf  
DATE RECEIVED: 26/07/21

CAD REFERENCE: 20467-090821.dxf  
DATE RECEIVED: 09/08/21

CAD REFERENCE: 20467-T5.dwg  
DATE RECEIVED: 19/08/21

CAD REFERENCE: 20467-T5-GDA2020.dwg  
DATE RECEIVED: 26/08/21

DESCRIPTION	LEGEND	
	PROPOSED	EXISTING
EXTENT OF WORKS		
GPT		
DRIVEWAY		
PRAM RAMP		
DRAINAGE LINE & PIT		
HEADWALL		
RAINGARDEN PERMEABLE PIPE		
KERB & GUTTER		
SUBSOIL DRAINAGE LINE		
DRAINAGE LINE, PIT & EASEMENT		
BATTER		
SURVEY MARKS - BENCH MARKS		
STATE SURVEY MARKS		
CONTOURS		
TELECOMMUNICATIONS		
ELECTRICITY		
WATER		
SEWER		
TREE TO BE REMOVED		
RETAINING WALL 1.0-1.5m MAX. HEIGHT		
RETAINING WALL 0-1.0m MAX. HEIGHT		



UTILITIES SHOWN ARE DIAGRAMMATIC ONLY. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDE LINES & STANDARDS.

NOTE: UTILITIES SHOWN MAY NOT INCLUDE ALL SERVICES WITHIN THE LIMIT OF WORKS

NO.	DESCRIPTION	DES	DRN	CKD	APR	DATE
4	ISSUE FOR DA APPROVAL	GA	JM	MS	DJ	17/11/21
3	ISSUE FOR DA APPROVAL	GA	JM	MS	DJ	05/11/21
2	ISSUE FOR DA APPROVAL	GA	JM	MS	DJ	03/11/21
1	ISSUE FOR DA APPROVAL	GA	JM	MS	DJ	22/10/21

**J. WYNDHAM PRINCE**  
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750  
P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au



STATUS: **ISSUE FOR DA APPROVAL**  
**NOT FOR CONSTRUCTION**  
THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

CADDENS HILL  
STAGE 8 - 10  
INDEX, LEGEND & GENERAL NOTES

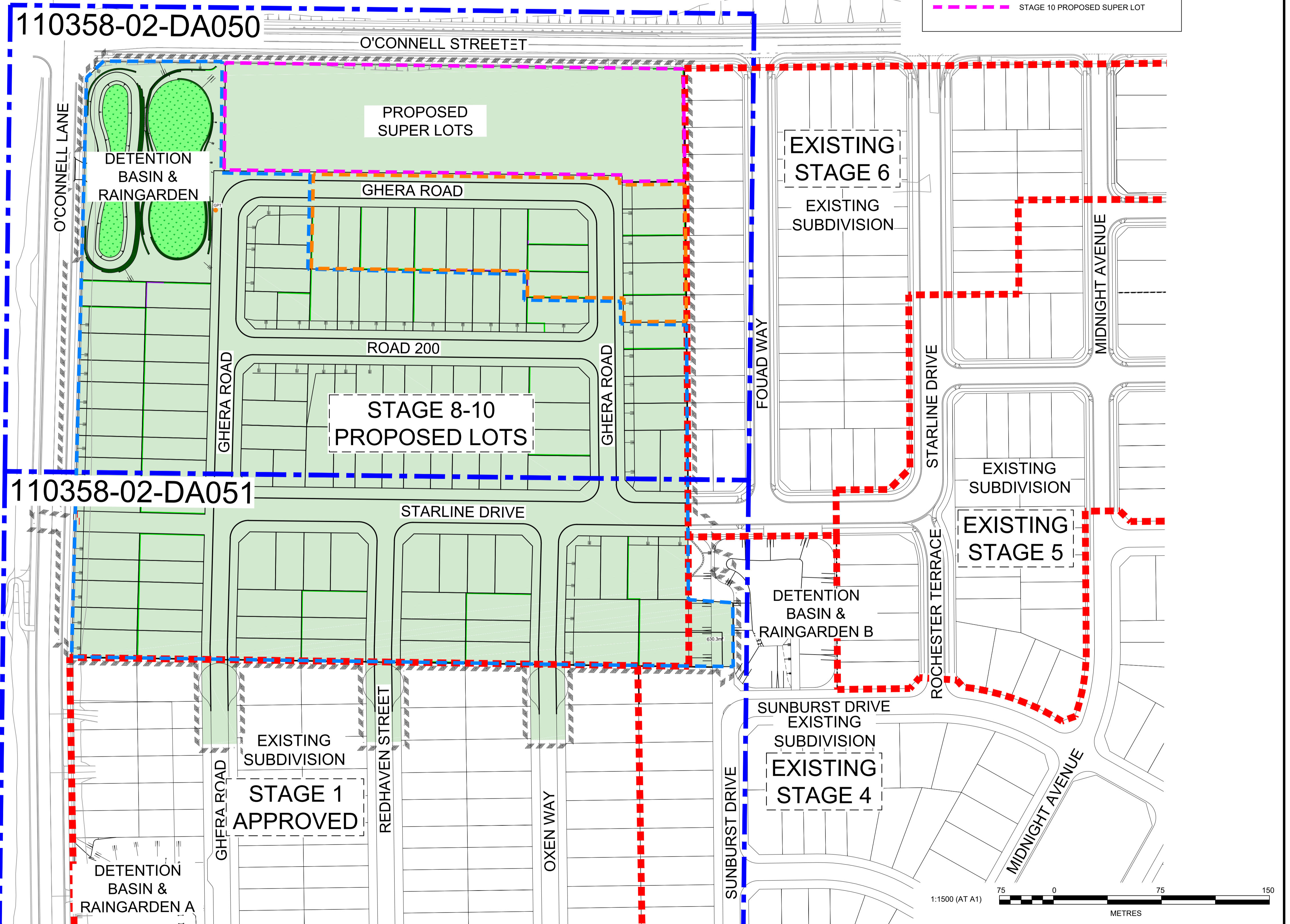
PROJECT No:  
**110358-002**  
SHEET No:  
**DA002**

AZIMUTH: M.G.A. 94 DATUM: A.H.D. ORIGIN: PLAN No: 110358-09-DA002 4

CADDENS CORNER SHOPPING CENTRE

**LEGEND**

- STAGE BOUNDARY
- PROPOSED SITE
- STAGE 8 PROPOSED LOTS
- STAGE 9 PROPOSED LOTS
- STAGE 10 PROPOSED SUPER LOT



WESTERN SYDNEY UNIVERSITY, KINGSWOOD

Plotted: 5 November 2021 4:06:34 PM. File Name: J:\110358 - O'Connell Lane Caddens\09 - Masterplanning\CD\DA\110358-09-DA003.dwg

AMENDMENT	DES	DRN	CKD	APR	DATE
3	GA	JM	MS	DJ	05/11/21
2	GA	JM	MS	DJ	03/11/21
1	GA	JM	MS	DJ	22/10/21

**J. WYNDHAM PRINCE**  
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750  
P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT:

**LEGACYPROPERTY**

STATUS:

**ISSUE FOR DA APPROVAL**

**NOT FOR CONSTRUCTION**

THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

CADDENS HILL  
STAGE 8 - 10  
SITE LAYOUT PLAN

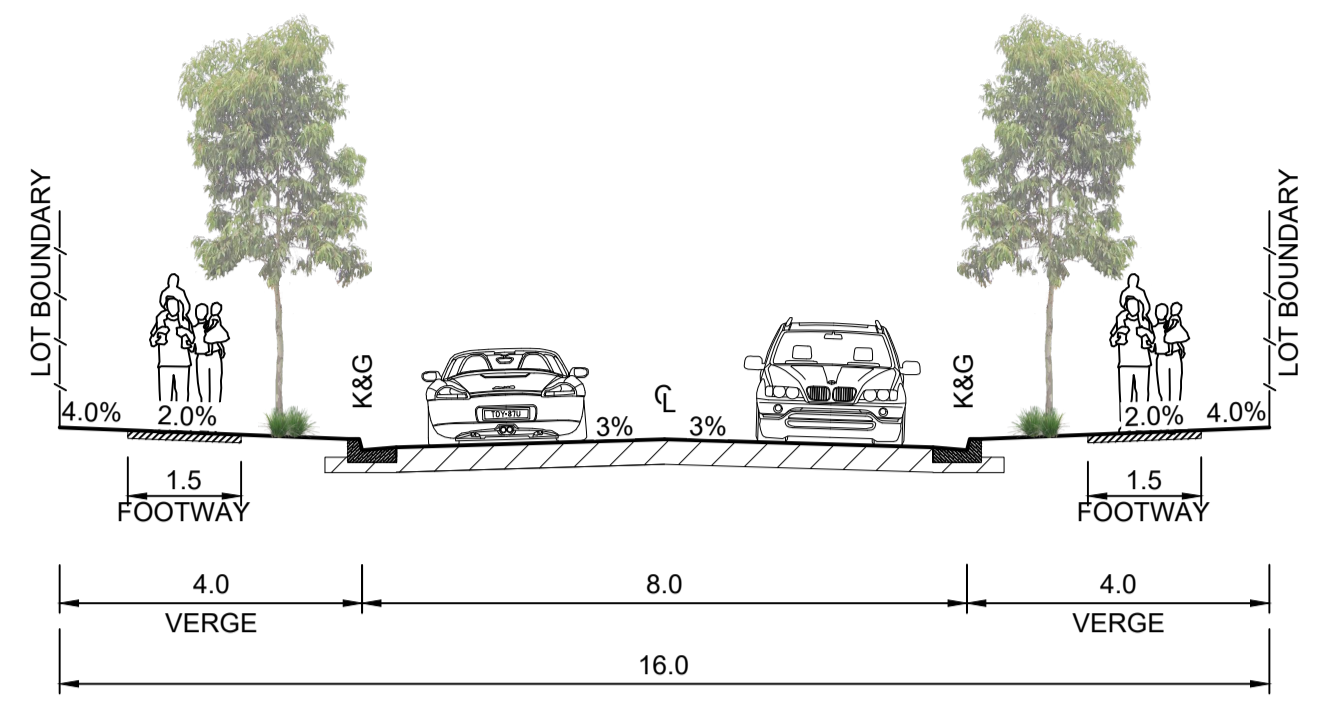
PROJECT No: 110358-003  
SHEET No: DA003

PLAN No: 110358-09-DA003

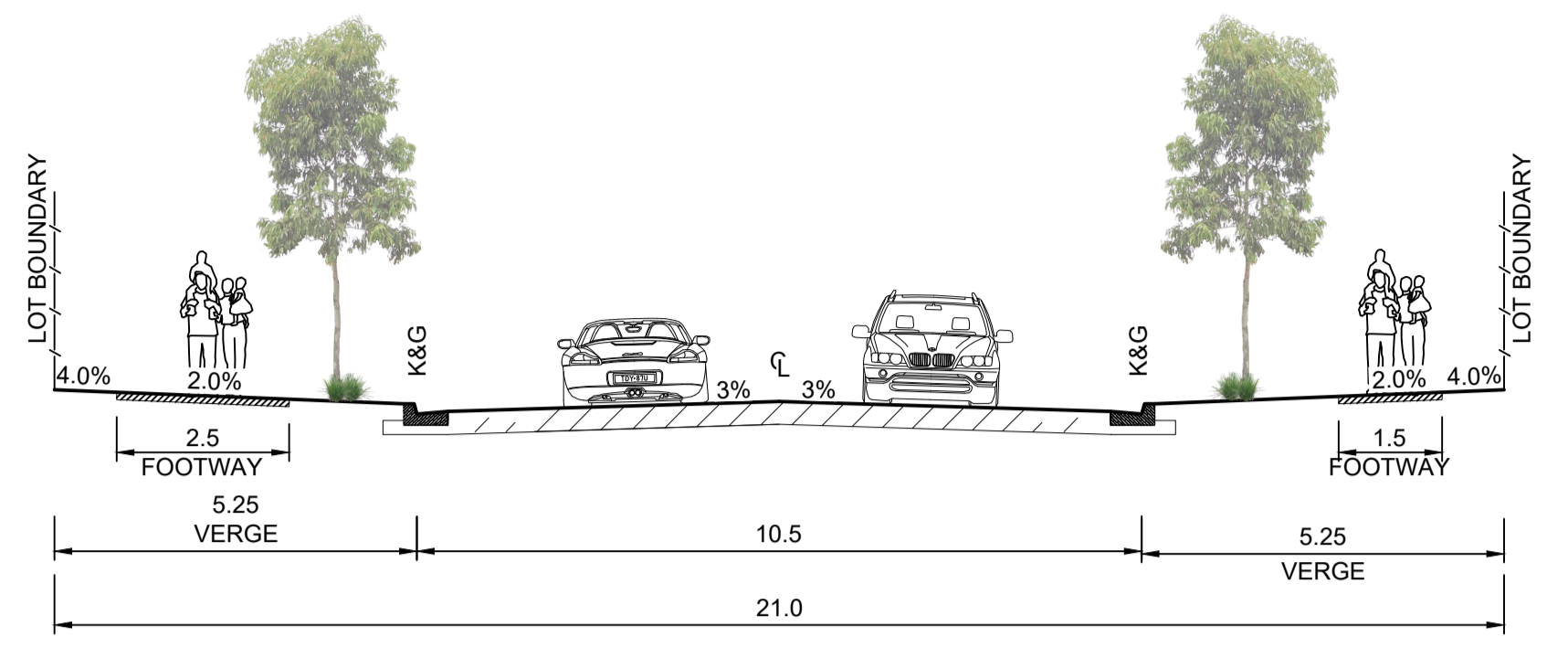
AZIMUTH: M.G.A. 94  
DATUM: A.H.D.  
ORIGIN:

3

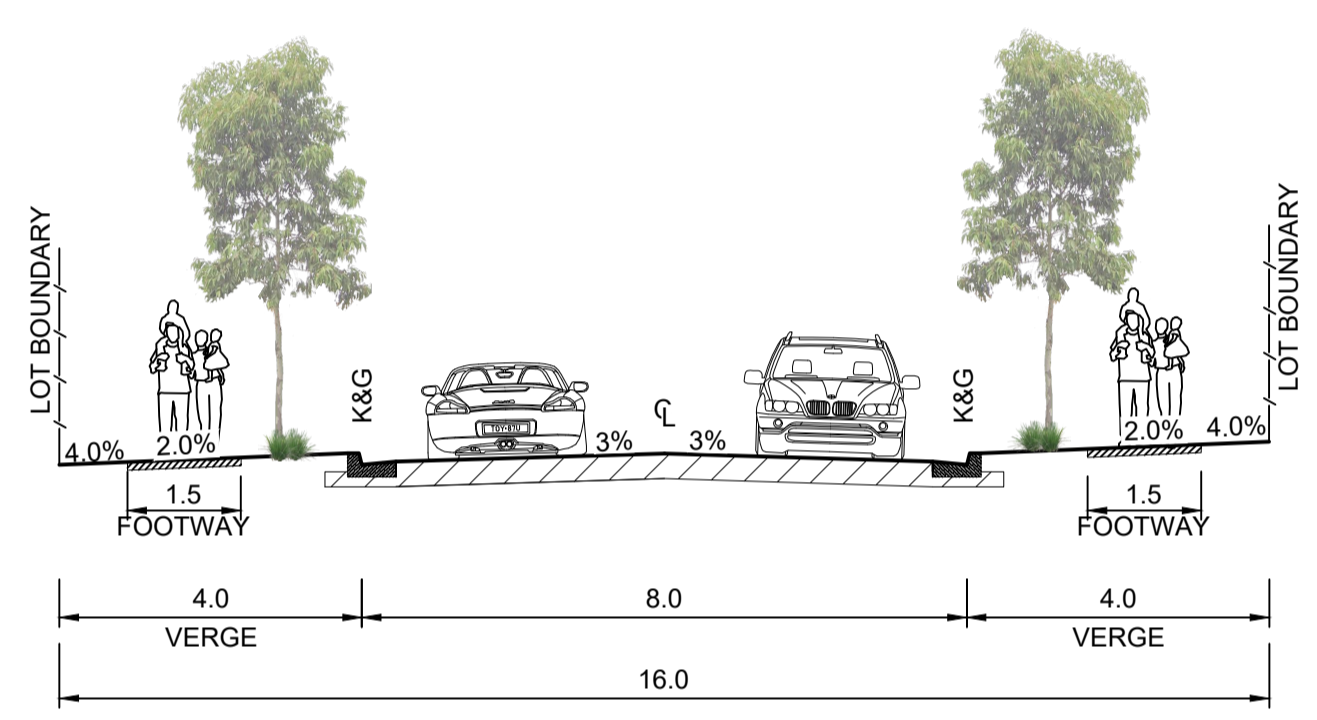
**NOTE:**  
ALL VERGE TO HAVE 4% FALL WITH CONCRETE FOOTPATH & SHARED PATH AT 2%



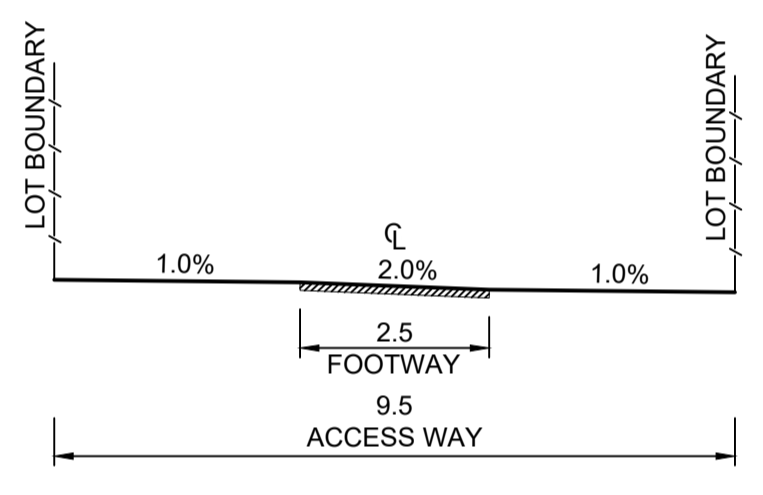
**TYPICAL CROSS SECTION**  
GHERA ROAD (CH START-353.47 & 394.67-END)  
REDHAVEN STREET  
OXEN WAY  
ROAD 200  
SCALE 1:100



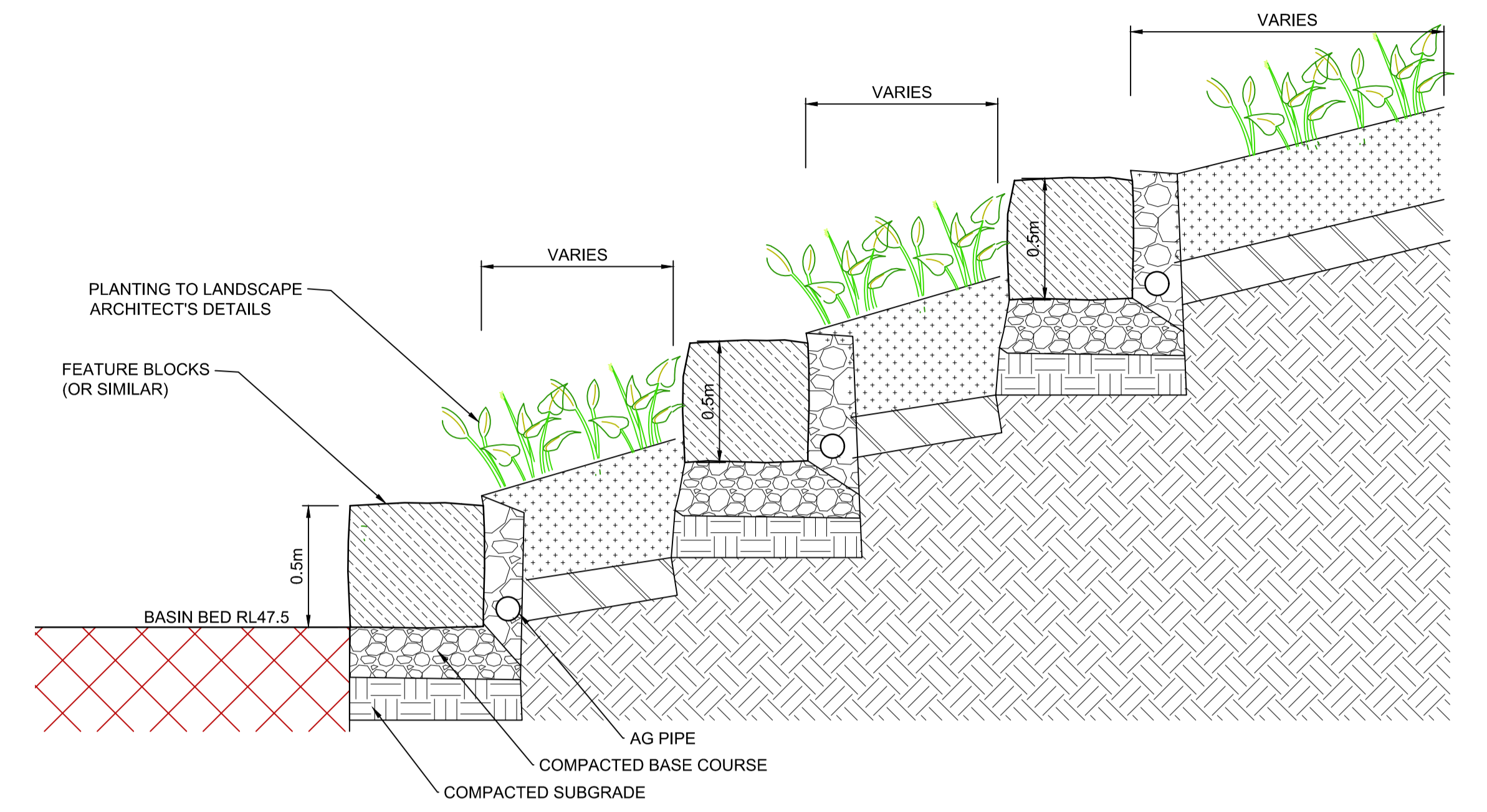
**TYPICAL CROSS SECTION**  
STARLINE ROAD  
SCALE 1:100



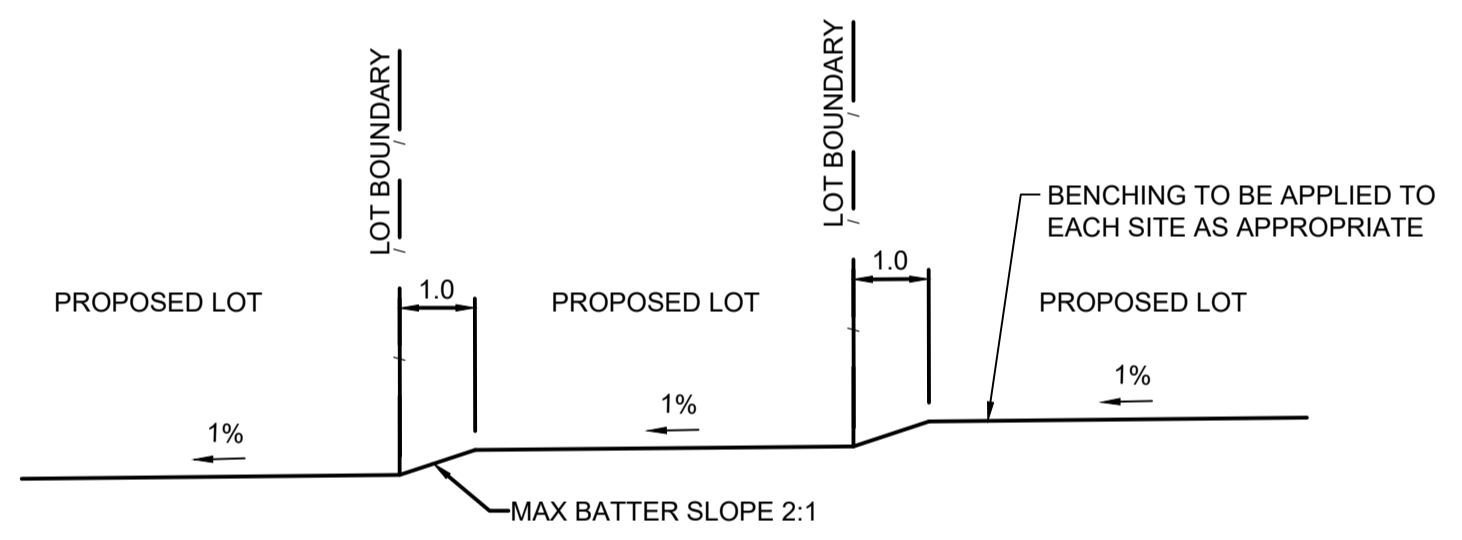
**TYPICAL CROSS SECTION**  
GHERA ROAD (CH 353.47-394.67)  
SCALE 1:100



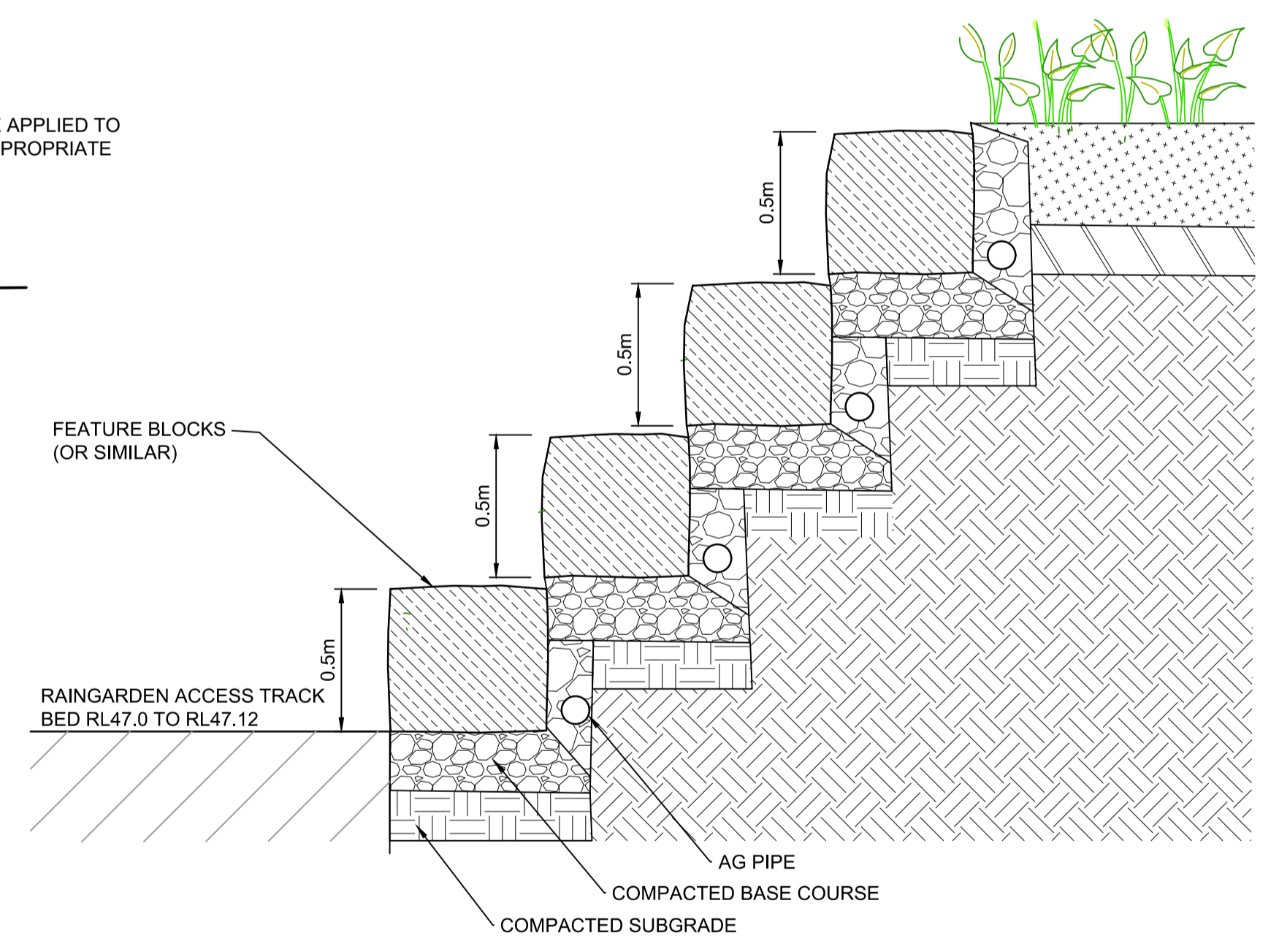
**TYPICAL CROSS SECTION**  
ACCESS WAY (STARLINE ROAD TO O'CONNELL LANE)  
SCALE 1:100



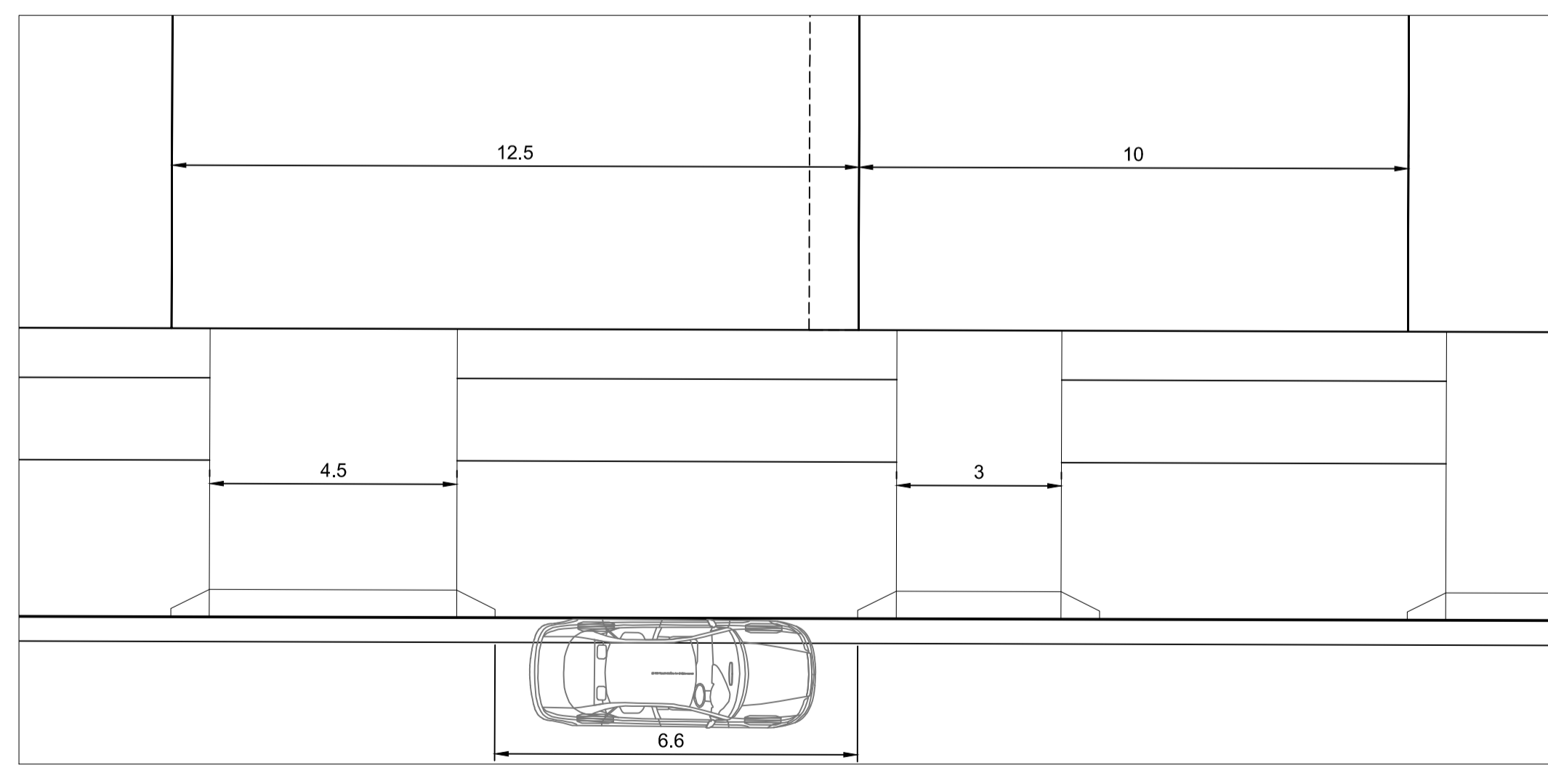
**TYPICAL SECTION - FEATURE BLOCK (OR SIMILAR) RETAINING WALL AT BASIN**  
SCALE 1:20



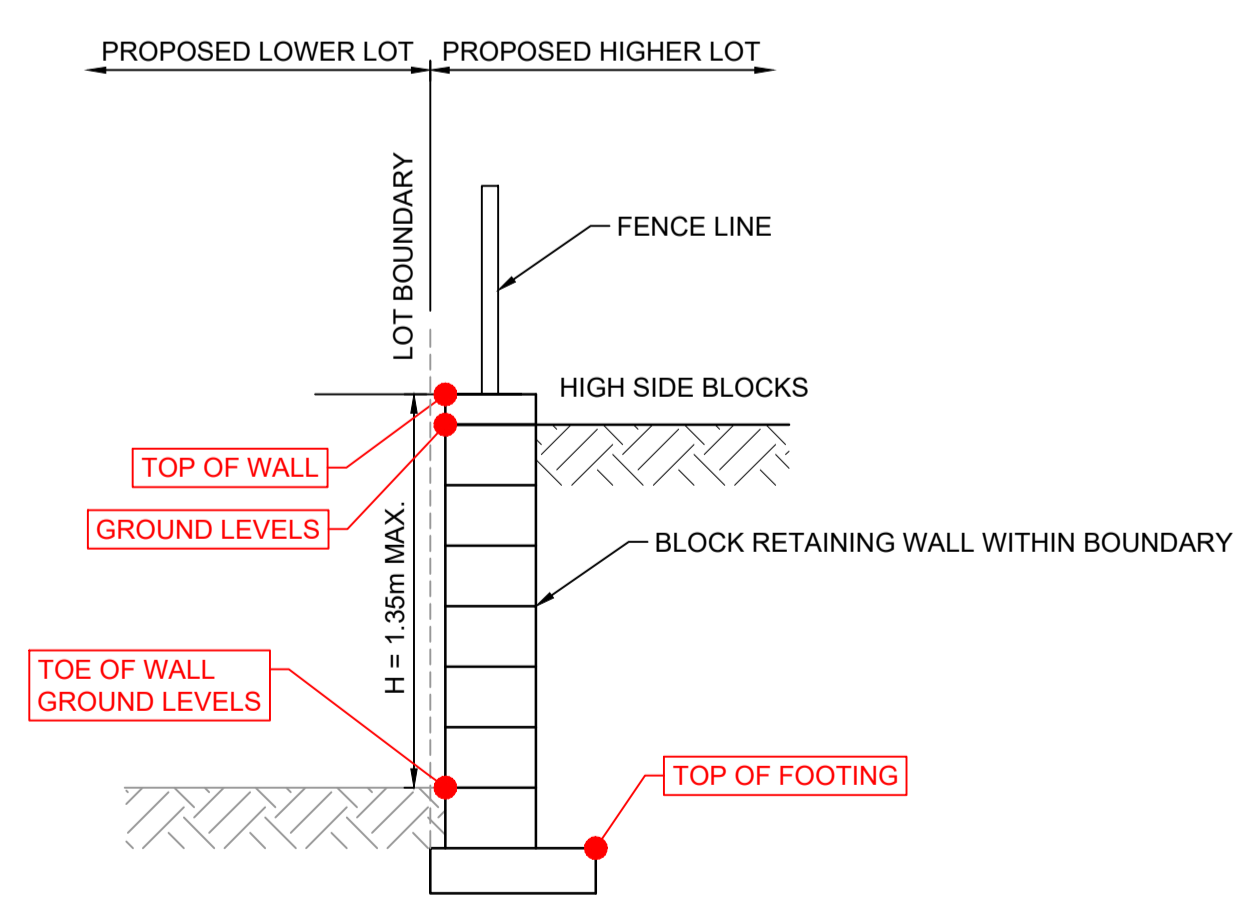
**TYPICAL FUTURE LOT BENCHING**  
N.T.S.



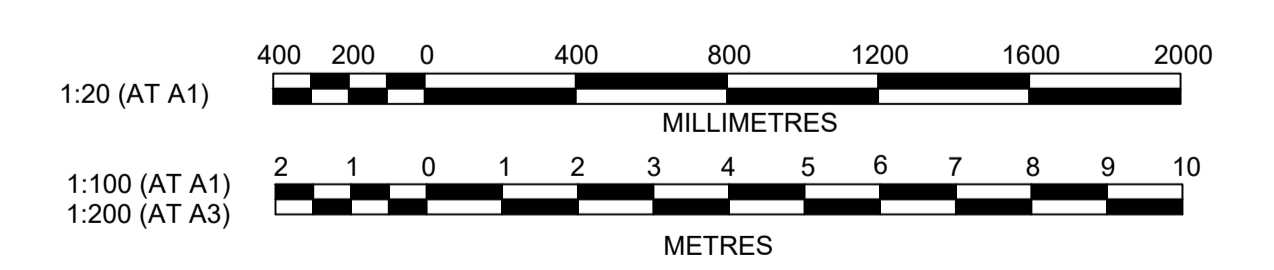
**TYPICAL SECTION - FEATURE BLOCK (OR SIMILAR) RETAINING WALL AT RAINGARDEN**  
SCALE 1:20



**PLAN - TYPICAL 10m AND 12.5m LOT DRIVEWAY CONFIGURATION**  
SCALE 1:100



**TYPICAL SECTION - BLOCK RETAINING WALL**  
SCALE 1:20



Plotfile: 5 November 2021 4:07:06 PM File Name: \\1110358 - O'Connell Lane Caddens\09 - Masterplanning\CD\DA110358-09-DA004.dwg

AMENDMENT	DES	DRN	CKD	APR	DATE
2	GA	JM	MS	DJ	03/11/21
1	GA	JM	MS	DJ	22/10/21

**J. WYNDHAM PRINCE**  
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750  
P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT:

**LEGACYPROPERTY**

STATUS:

**ISSUE FOR DA APPROVAL**

**NOT FOR CONSTRUCTION**

THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

**CADDENS HILL**  
STAGE 8 - 10  
ROAD TYPICAL SECTIONS

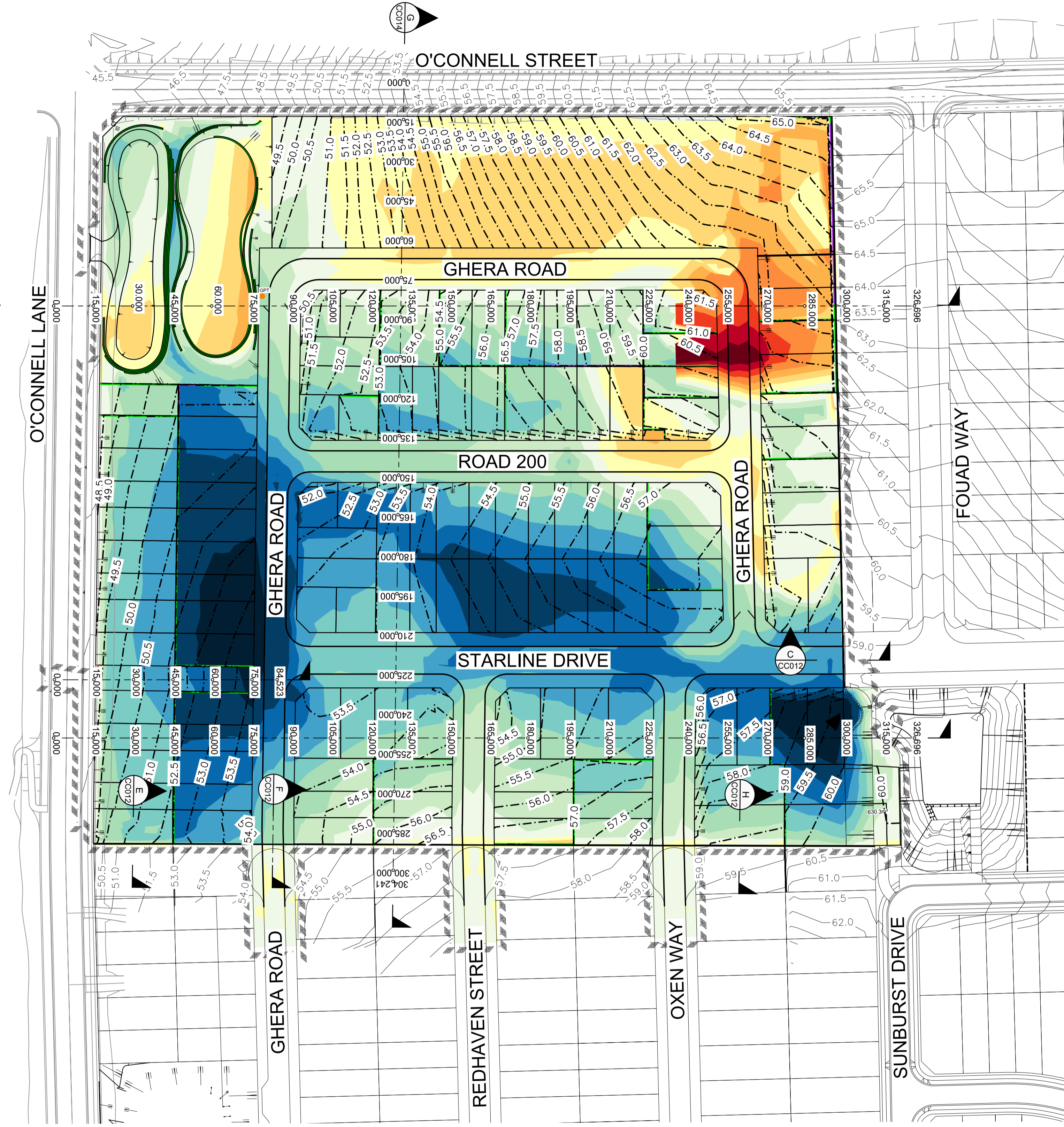
PROJECT No:  
**110358-004**

SHEET No:  
**DA004**

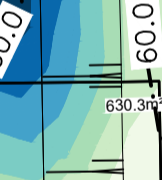
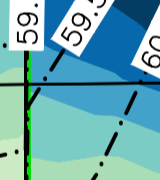
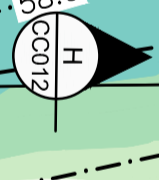
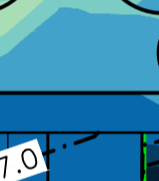
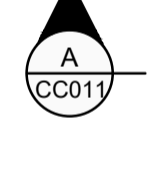
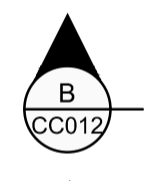
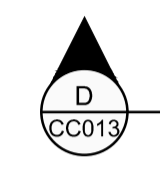
PLAN No: 110358-09-DA004

AZIMUTH: M.G.A. 94  
DATUM: A.H.D.  
ORIGIN:

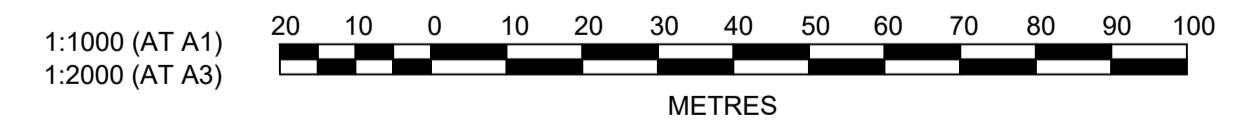
2



Ranged_File	Lower_value	Upper_value	Colour	
-4	to	-3.5	m	
-3.5	to	-3	m	
-3	to	-2.5	m	
-2.5	to	-2	m	
-2	to	-1.5	m	
-1.5	to	-1	m	
-1	to	-0.5	m	
-0.5	to	0	m	
0	to	0.5	m	
0.5	to	1	m	
1	to	1.5	m	
1.5	to	2	m	
2	to	2.5	m	
2.5	to	3	m	
3	to	3.5	m	
3.5	to	4	m	



Plotted: 5 November 2021 4:07:32 PM. File Name: J:\110358 - O'Connell Lane Caddens\09 - Masterplanning\CD\DA110358-09-DA010.dwg



AMENDMENT	DES	DRN	CKD	APR	DATE
3	GA	JM	MS	DJ	05/11/21
2	GA	JM	MS	DJ	03/11/21
1	GA	JM	MS	DJ	22/10/21

**J. WYNDHAM PRINCE**  
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750  
P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT:



**LEGACYPROPERTY**

STATUS:

**ISSUE FOR DA APPROVAL**

**NOT FOR CONSTRUCTION**

THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

**CADDENS HILL**  
**STAGE 8 - 10**  
**CUT & FILL PLAN**

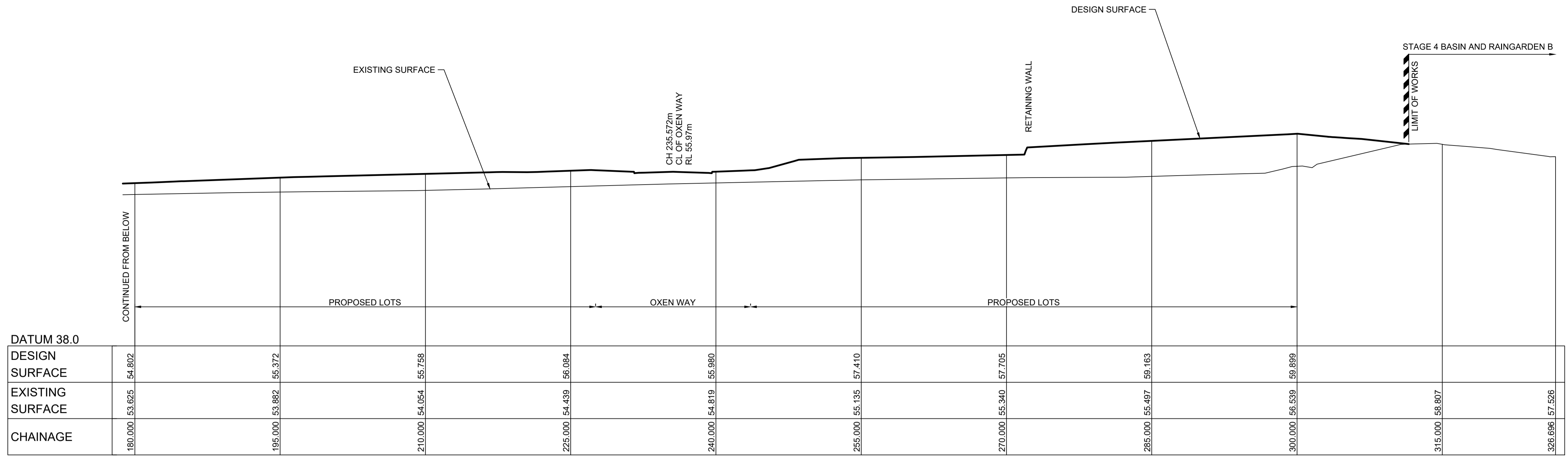
AZIMUTH: M.G.A. 94    DATUM: A.H.D.    ORIGIN:

PLAN No: 110358-09-DA010

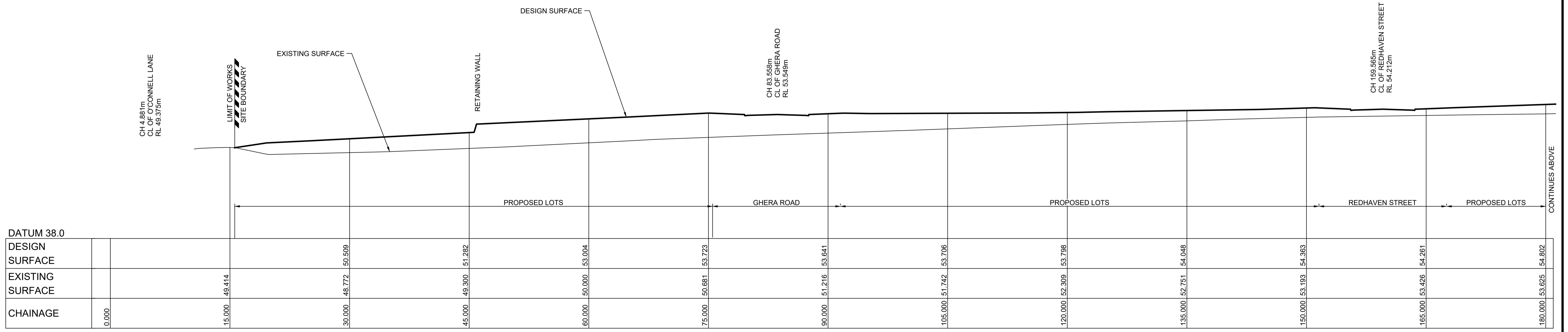
PROJECT No:  
**110358-010**

SHEET No:  
**DA010**

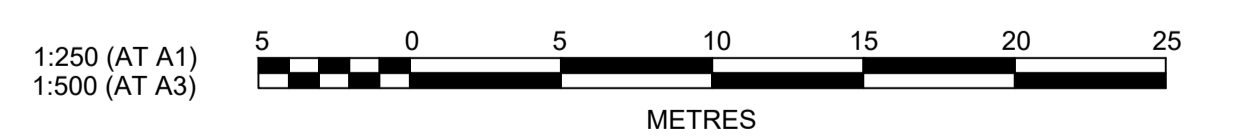
3



SECTION A  
SCALE H 1:250  
V 1:250  
CC010



SECTION A  
SCALE H 1:250  
V 1:250  
CC010



Plotted: 5 November 2021 4:08:04 PM. File Name: J:\110358 - OConnell Lane Caddens\09 - Masterplanning\CD\DA110358-09-DA011.dwg

1	ISSUE FOR DA APPROVAL	GA	JM	MS	DJ	22/10/21
	AMENDMENT	DES	DRN	CKD	APR	DATE

**J. WYNDHAM PRINCE**  
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750  
P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT: **LEGACYPROPERTY**

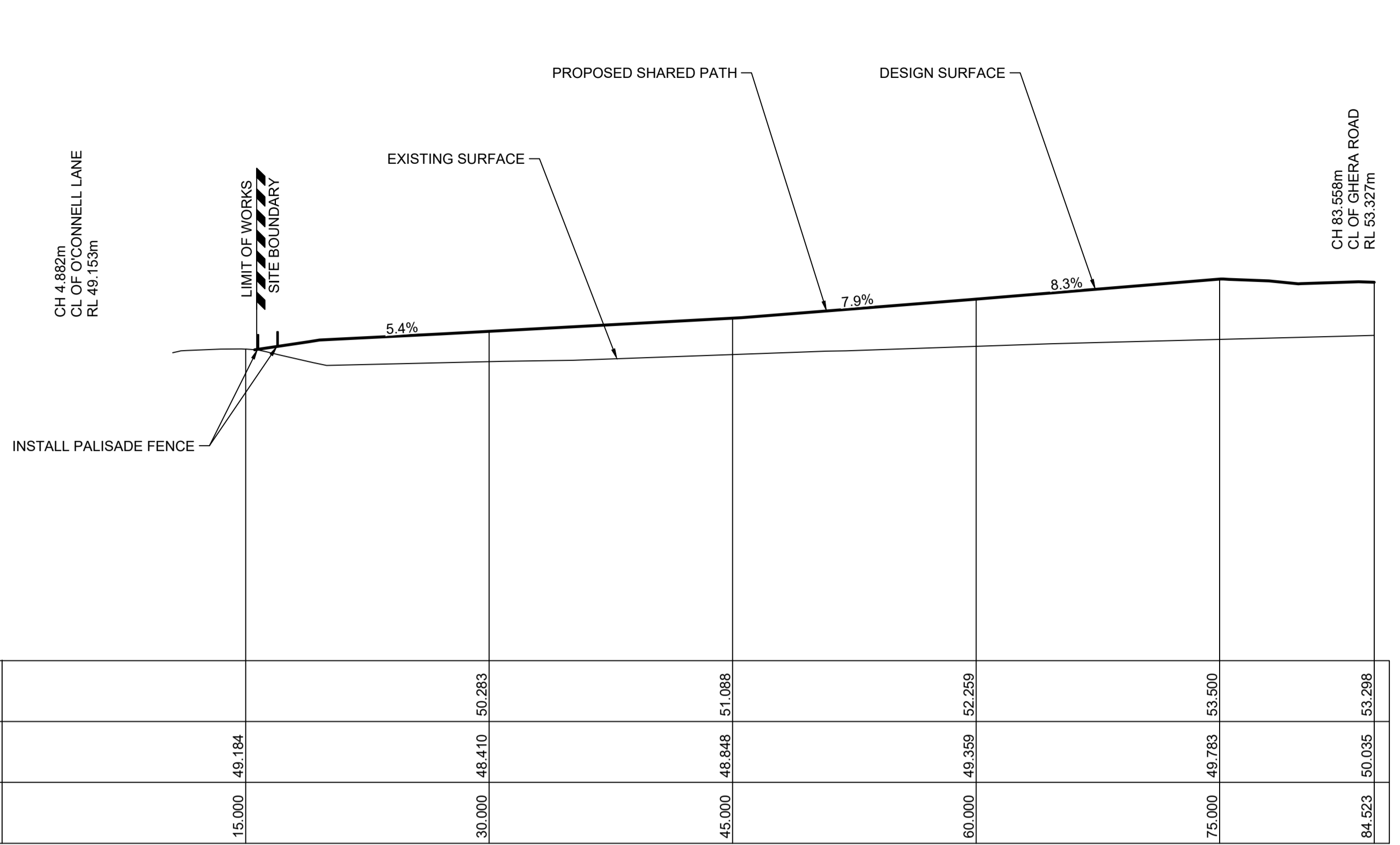
STATUS: **ISSUE FOR DA APPROVAL**  
**NOT FOR CONSTRUCTION**

THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

**CADDENS HILL**  
**STAGE 8 - 10**  
SITE SECTIONS SHEET 1

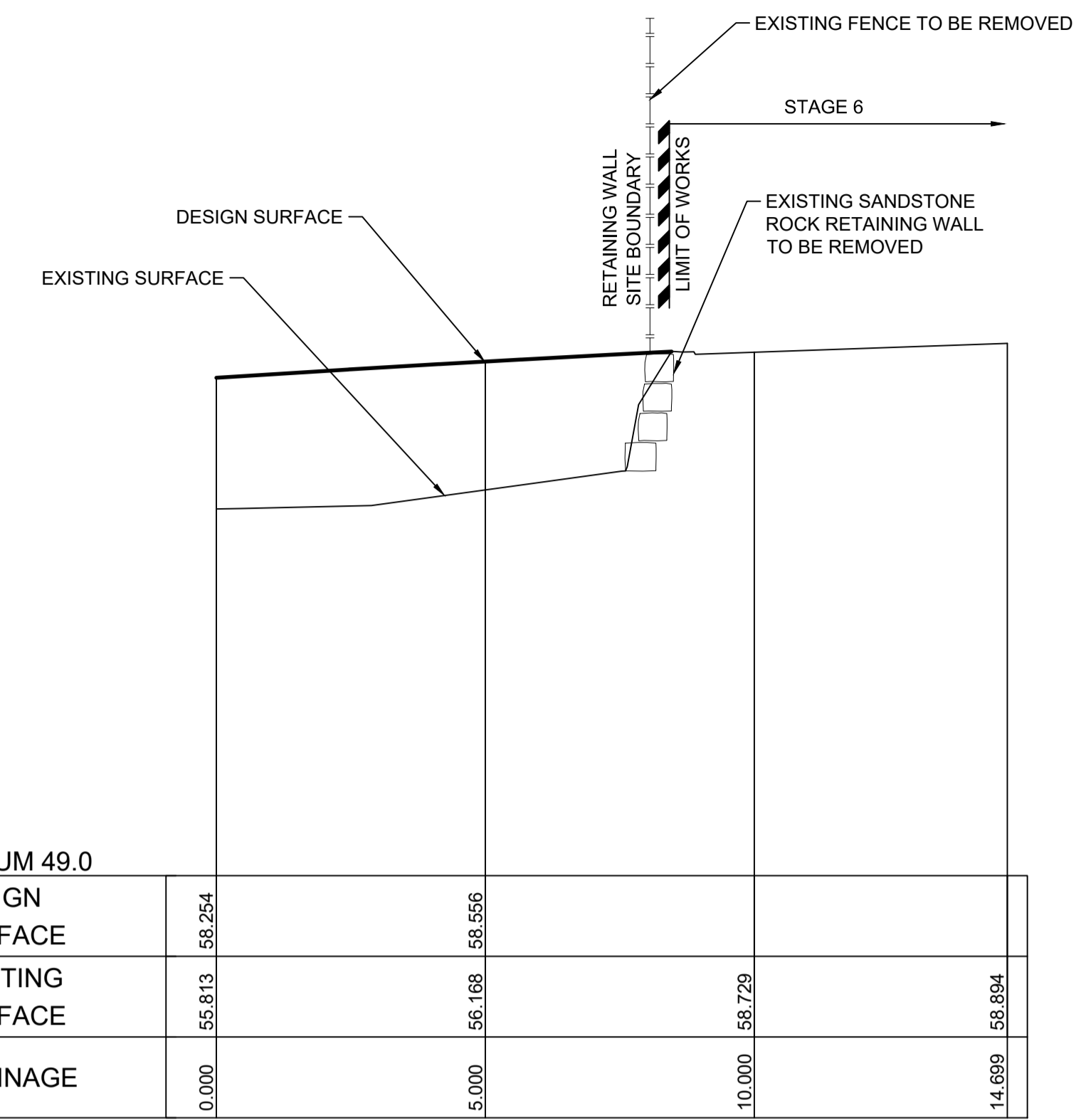
AZIMUTH: M.G.A. 94    DATUM: A.H.D.    ORIGIN:    PLAN No: 110358-09-DA011

PROJECT No: **110358-011**  
SHEET No: **DA011**



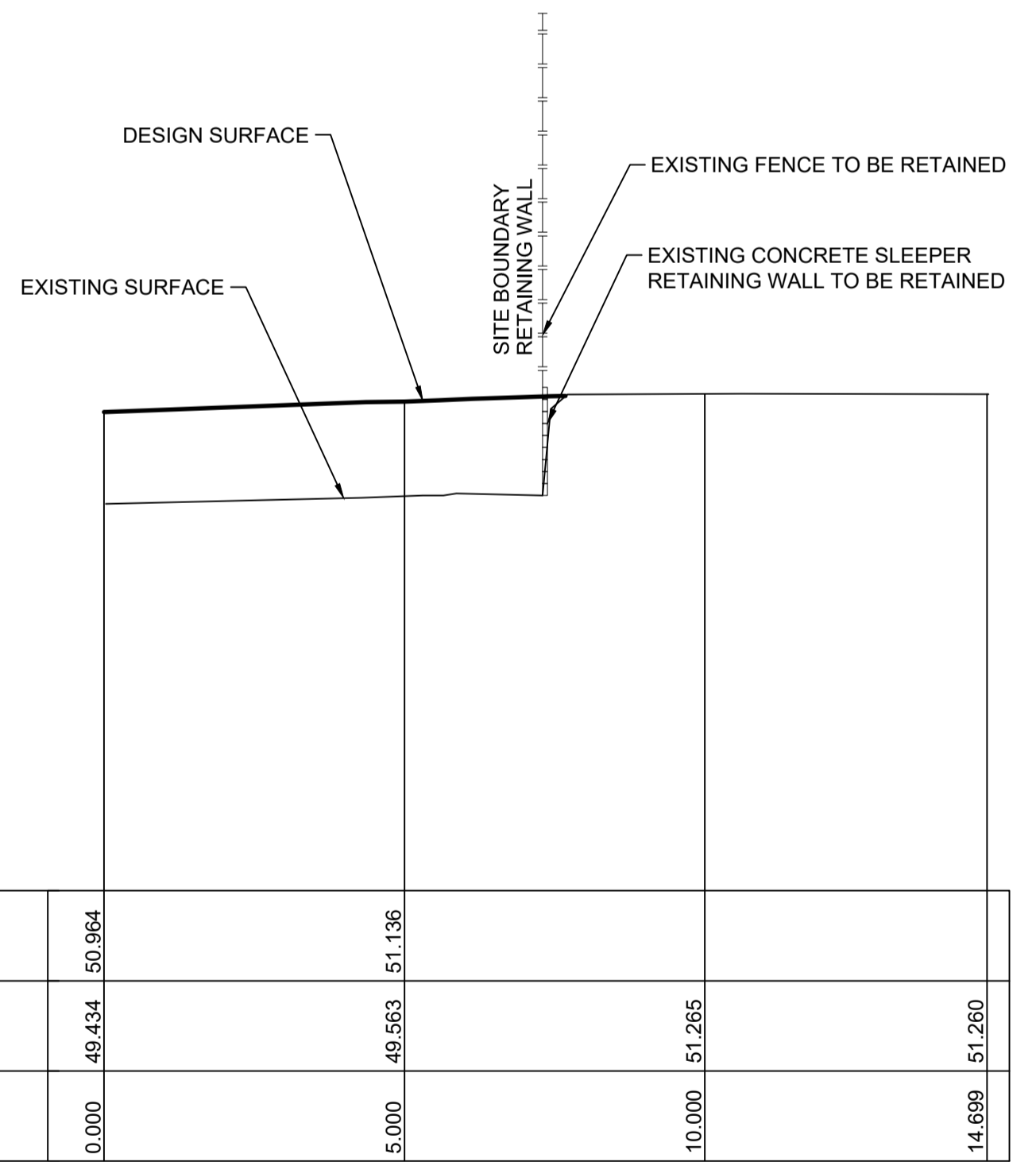
DATUM 30.0	
DESIGN SURFACE	
EXISTING SURFACE	
CHAINAGE	
0.000	
15.000	49.184
30.000	48.410
45.000	48.848
60.000	49.359
75.000	49.783
84.523	50.035
	53.298

SECTION B  
SCALE H 1:250  
V 1:250  
CC010



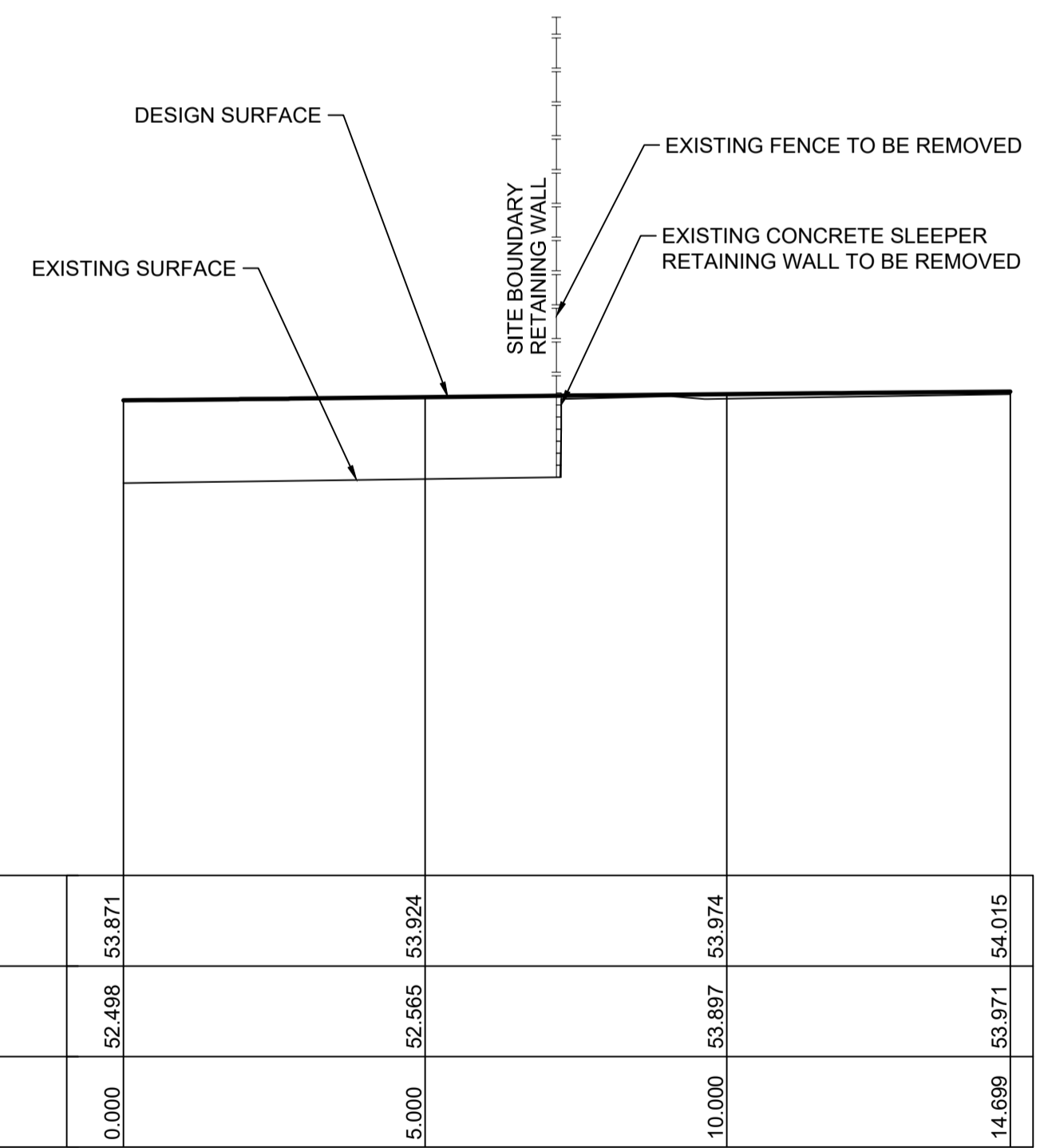
DATUM 49.0	
DESIGN SURFACE	
EXISTING SURFACE	
CHAINAGE	
0.000	
5.000	55.813
10.000	56.168
14.699	58.729
	58.894

SECTION C  
SCALE H 1:100  
V 1:100  
CC010



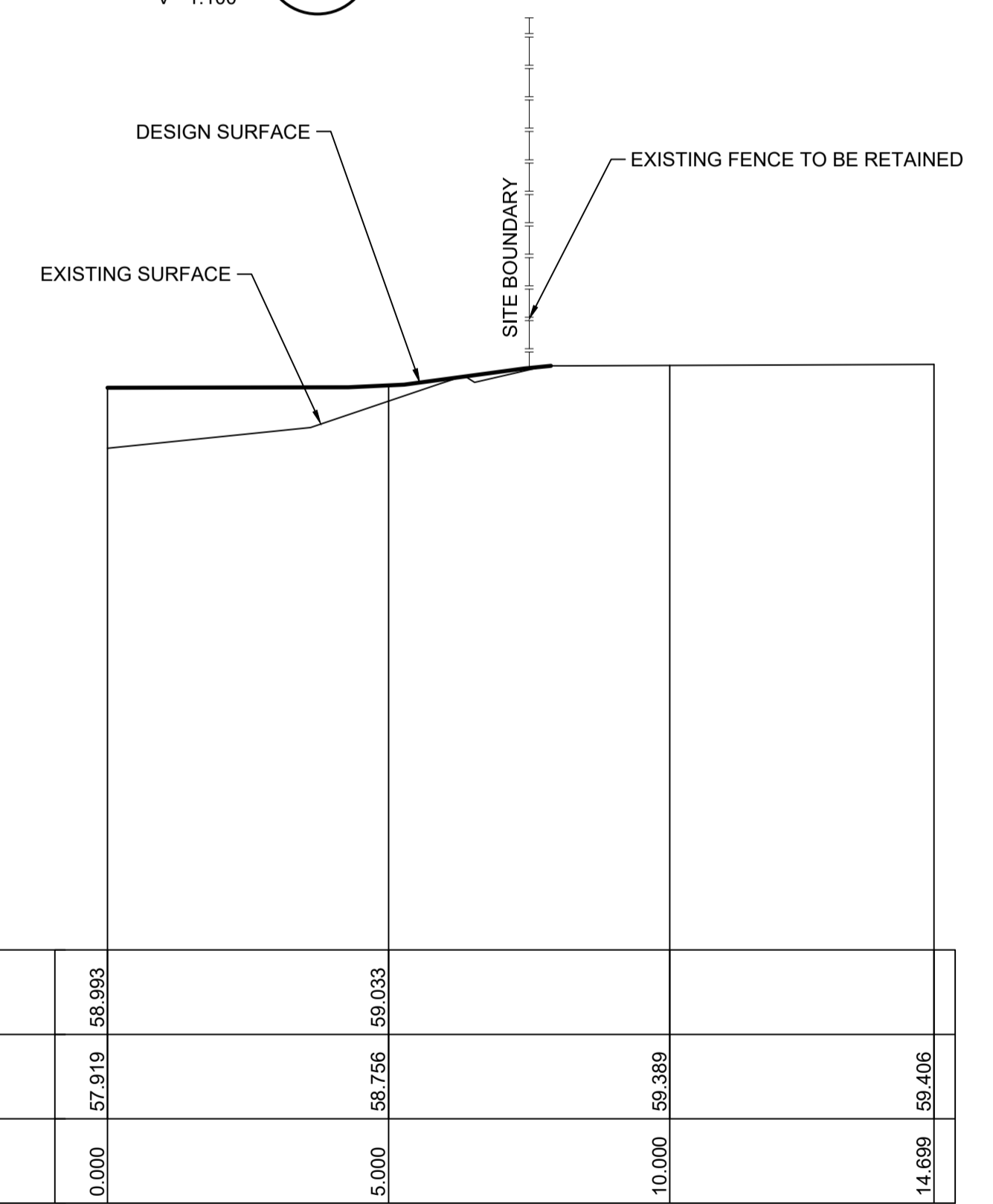
DATUM 43.0	
DESIGN SURFACE	
EXISTING SURFACE	
CHAINAGE	
0.000	
5.000	49.434
10.000	49.563
14.699	51.260
	51.136
	50.964

SECTION E  
SCALE H 1:100  
V 1:100  
CC010



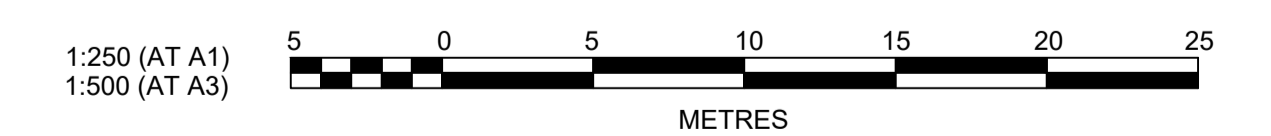
DATUM 46.0	
DESIGN SURFACE	
EXISTING SURFACE	
CHAINAGE	
0.000	
5.000	52.498
10.000	53.897
14.699	53.971
	53.871
	53.924
	53.974
	54.015

SECTION F  
SCALE H 1:100  
V 1:100  
CC010



DATUM 49.0	
DESIGN SURFACE	
EXISTING SURFACE	
CHAINAGE	
0.000	
5.000	57.919
10.000	58.756
14.699	59.406
	59.993
	59.033
	59.389

SECTION H  
SCALE H 1:250  
V 1:250  
CC010



Plotfile: 5 November 2021 4:08:21 PM File Name: J:\110358 - O'Connell Lane Caddens\09 - Masterplanning\CD\DA110358-09-DA012.dwg

2	ISSUE FOR DA APPROVAL	GA	JM	MS	DJ	03/11/21
1	ISSUE FOR DA APPROVAL	GA	JM	MS	DJ	22/10/21
	AMENDMENT	DES	DRN	CKD	APR	DATE

**J. WYNDHAM PRINCE**  
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750  
P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT: **LEGACYPROPERTY**

STATUS: **ISSUE FOR DA APPROVAL**  
**NOT FOR CONSTRUCTION**

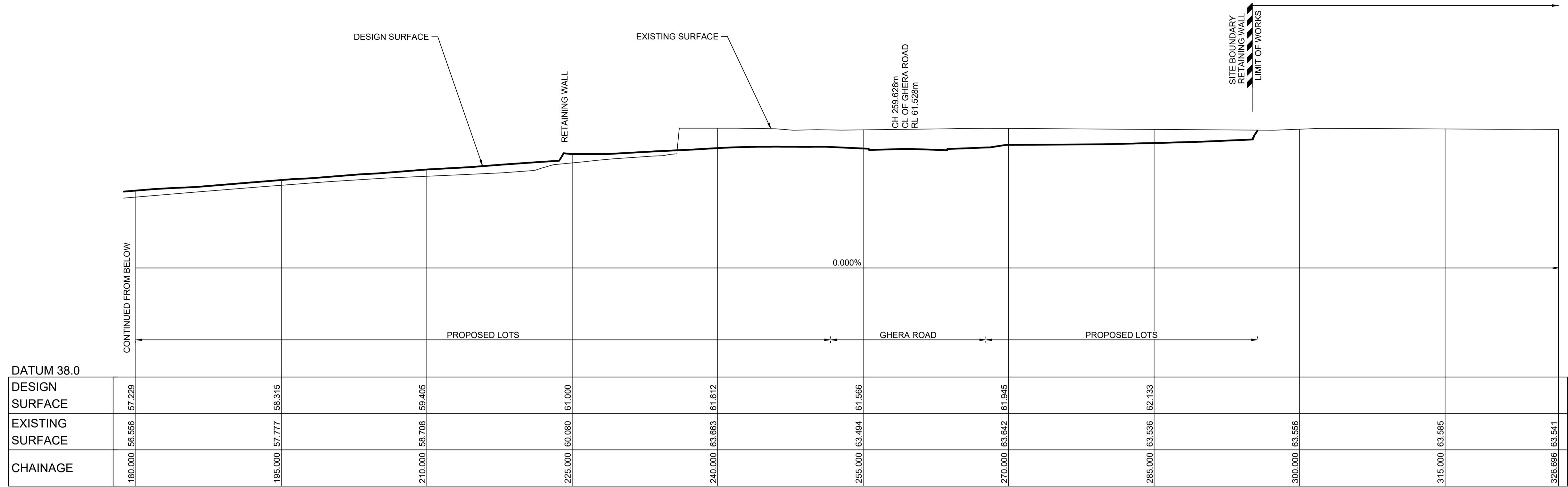
THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

**CADDENS HILL STAGE 8 - 10**  
SITE SECTIONS SHEET 2

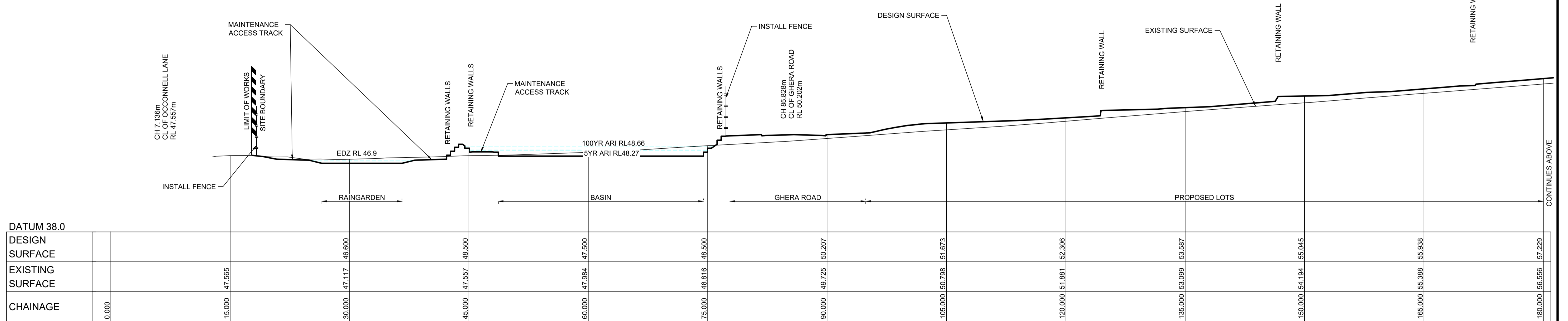
PROJECT No: **110358-012**  
SHEET No: **DA012**

AZIMUTH: M.G.A. 94 DATUM: A.H.D. ORIGIN: PLAN No: **110358-09-DA012**

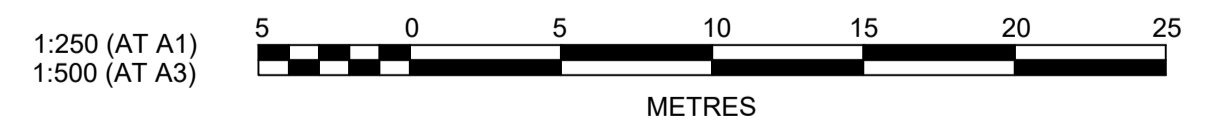
2



SECTION D  
SCALE H 1:250  
V 1:250  
CC010



SECTION D  
SCALE H 1:250  
V 1:250  
CC010



Plotted: 5 November 2021 4:08:38 PM File Name: J:\110358 - O'Connell Lane Caddens\09 - Masterplanning\CD\DA110358-09-DA013.dwg

AMENDMENT	DES	DRN	CKD	APR	DATE
2	GA	JM	MS	DJ	03/11/21
1	GA	JM	MS	DJ	22/10/21

**J. WYNDHAM PRINCE**  
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750  
P 02 4720 3300 W www.jwprince.com.au E jwpp@jwprince.com.au



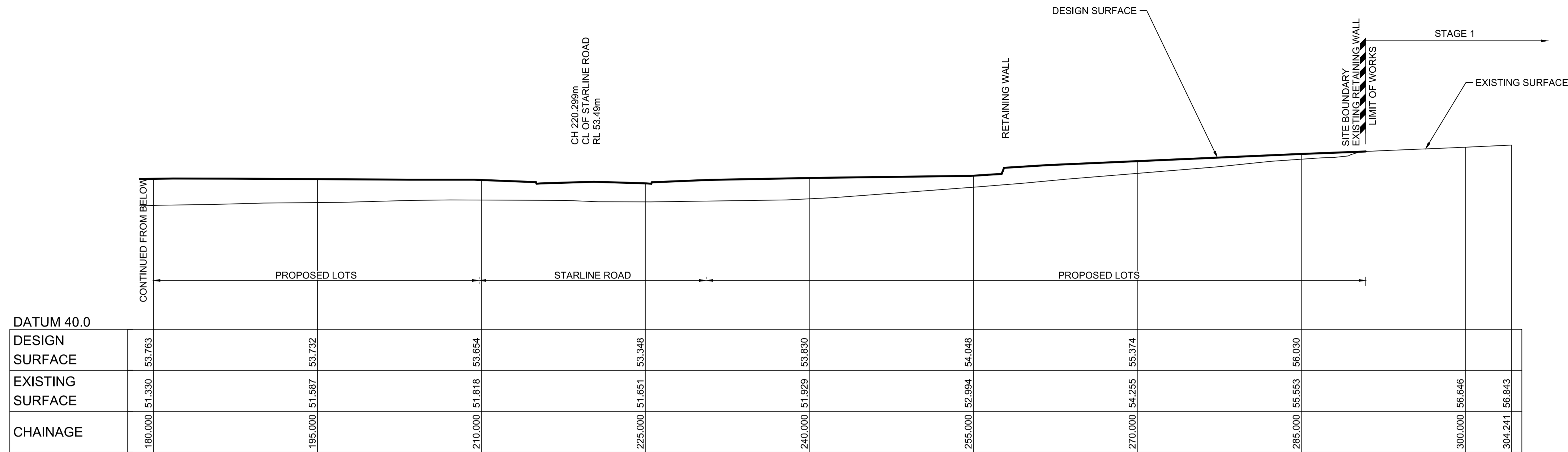
STATUS:  
**ISSUE FOR DA APPROVAL**  
**NOT FOR CONSTRUCTION**  
THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

CADDENS HILL  
STAGE 8 - 10  
SITE SECTIONS SHEET 3

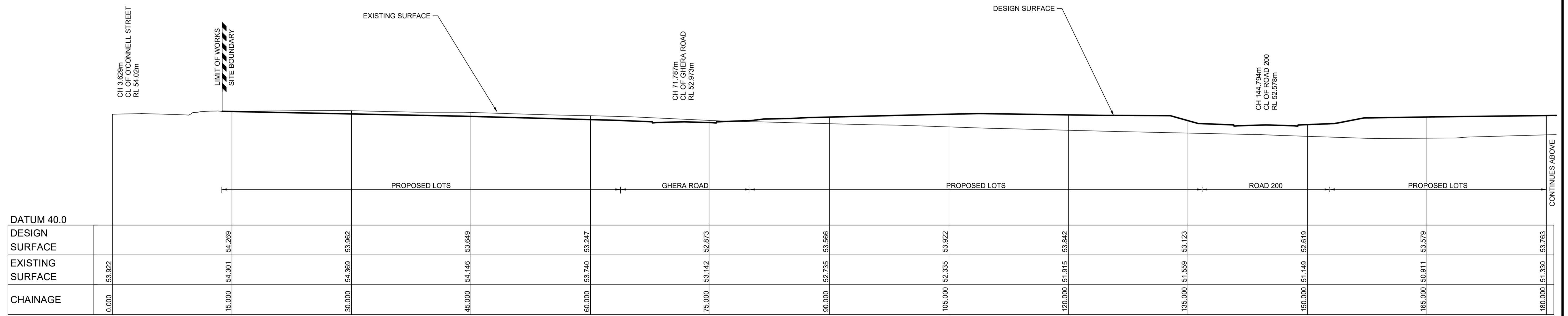
PROJECT No:  
**110358-013**  
SHEET No:  
**DA013**

AZIMUTH: M.G.A. 94 DATUM: A.H.D. ORIGIN: PLAN No: 110358-09-DA013 2

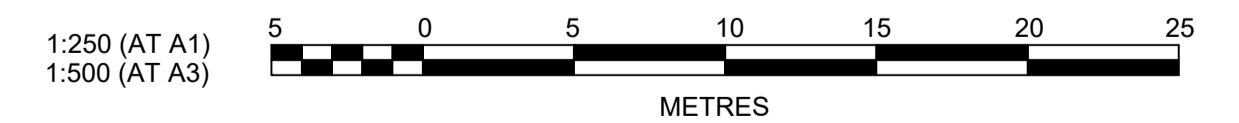




SECTION G  
SCALE H 1:250  
V 1:250  
CC010



SECTION G  
SCALE H 1:250  
V 1:250  
CC010



Plotted: 5 November 2021 4:08:54 PM File Name: J:\110358 - O'Connell Lane Caddens\09 - Masterplanning\CD\DA110358-09-DA014.dwg

1	ISSUE FOR DA APPROVAL	GA	JM	MS	DJ	03/11/21
	AMENDMENT	DES	DRN	CKD	APR	02/11/21

**J. WYNDHAM PRINCE**  
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750  
P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

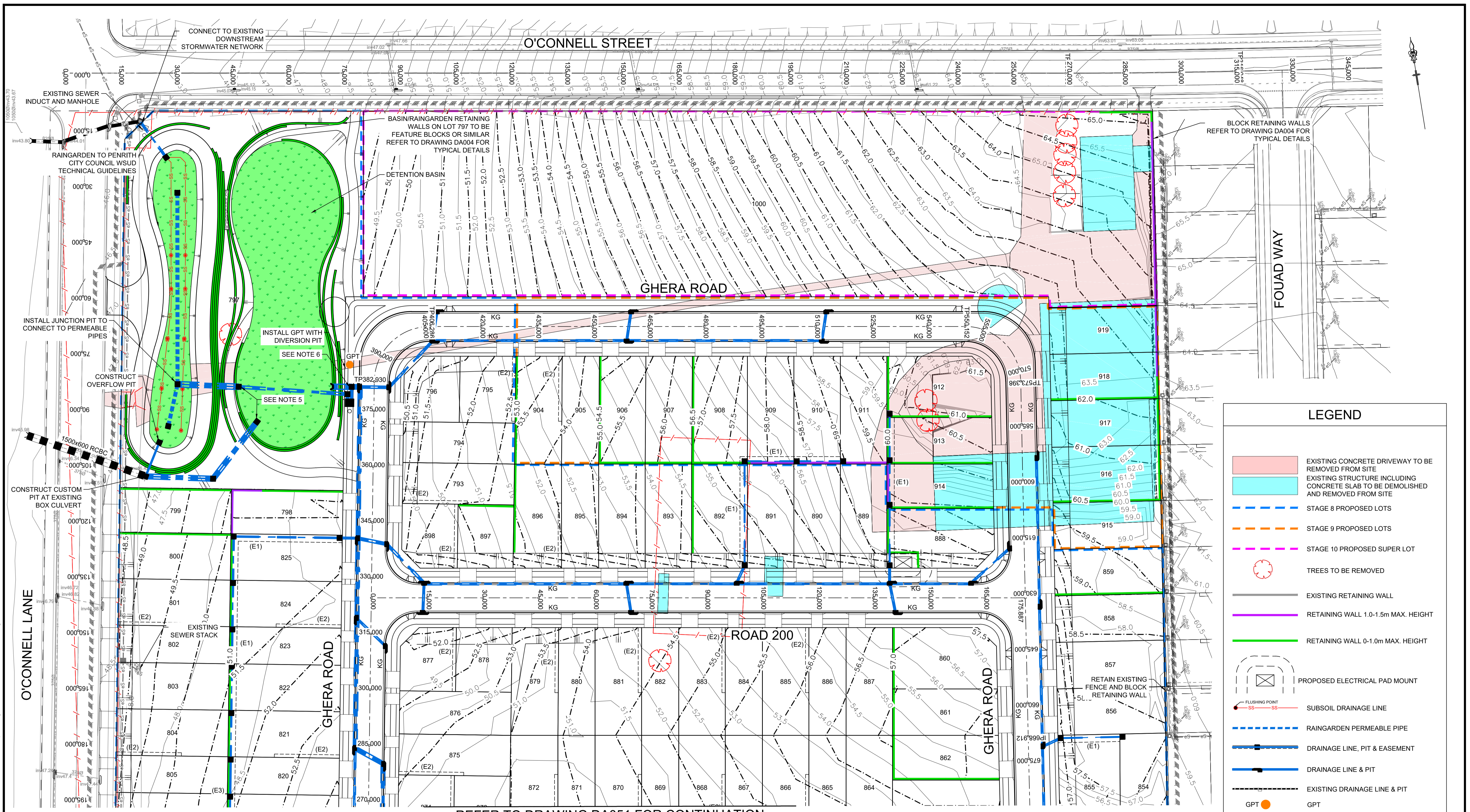


STATUS: **ISSUE FOR DA APPROVAL**  
**NOT FOR CONSTRUCTION**  
THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

CADDENS HILL  
STAGE 8 - 10  
SITE SECTIONS SHEET 4

PROJECT No: 110358-014  
SHEET No: DA014

AZIMUTH: M.G.A. 94 DATUM: A.H.D. ORIGIN: PLAN No: 110358-09-DA014 1



### LEGEND

- EXISTING CONCRETE DRIVEWAY TO BE REMOVED FROM SITE
- EXISTING STRUCTURE INCLUDING CONCRETE SLAB TO BE DEMOLISHED AND REMOVED FROM SITE
- STAGE 8 PROPOSED LOTS
- STAGE 9 PROPOSED LOTS
- STAGE 10 PROPOSED SUPER LOT
- TREES TO BE REMOVED
- EXISTING RETAINING WALL
- RETAINING WALL 1.0-1.5m MAX. HEIGHT
- RETAINING WALL 0-1.0m MAX. HEIGHT
- PROPOSED ELECTRICAL PAD MOUNT
- SUBSOIL DRAINAGE LINE
- RAINGARDEN PERMEABLE PIPE
- DRAINAGE LINE, PIT & EASEMENT
- DRAINAGE LINE & PIT
- EXISTING DRAINAGE LINE & PIT
- GPT
- KERB & GUTTER
- HEADWALL
- EXISTING FENCE TO BE REMOVED

- NOTE:**
- ALL NEW WORKS TO MAKE SMOOTH CONNECTION TO EXISTING PAVEMENT.
  - REFER TO DA004 FOR TYPICAL ROAD, RETAINING WALL, BENCHING AND LOT DETAILS.
  - ALL KERB RETURNS ARE 8.5m RADI UNO.
  - ALL BATTERS SHOWN ARE 1:4 UNLESS NOTED OTHERWISE.
  - CONSTRUCT LOW-FLOW AND HIGH-FLOW OUTFLOW PITS
  - CONSTRUCT SPLITTER PIT SPECIAL STRUCTURE. STRUCTURAL DETAILS TO BE PROVIDED IN DETAILED DESIGN
  - RETAINING WALLS ARE 1.5m MAX. HEIGHT UNLESS OTHERWISE SHOWN
  - FOR DEMOLISHED STRUCTURES REFER TO ENVIRONMENTAL REPORT
  - FOR PROPOSED STREET TREE LOCATION REFER TO LANDSCAPE DESIGN BY PLACE DESIGN GROUP

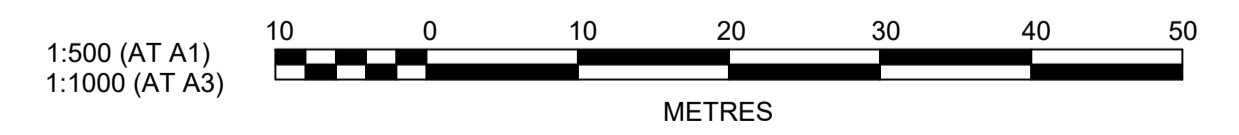
(E1) PROPOSED EASEMENT TO DRAIN WATER 2.0 WIDE  
 (E2) PROPOSED 17.0 LONG EASEMENT FOR ACCESS AND MAINTENANCE 0.9 WIDE

REFER TO DRAWING DA051 FOR CONTINUATION



UTILITIES SHOWN ARE DIAGRAMMATIC ONLY, CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDE LINES & STANDARDS.

NOTE: UTILITIES SHOWN MAY NOT INCLUDE ALL SERVICES WITHIN THE LIMIT OF WORKS



AMENDMENT	DES	DRN	CKD	APR	DATE
4	GA	JM	MS	DJ	17/11/21
3	GA	JM	MS	DJ	05/11/21
2	GA	JM	MS	DJ	03/11/21
1	GA	JM	MS	DJ	22/10/21

**J. WYNDHAM PRINCE**  
 CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750  
 P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT: **LEGACYPROPERTY**

STATUS: **ISSUE FOR DA APPROVAL**  
**NOT FOR CONSTRUCTION**

THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

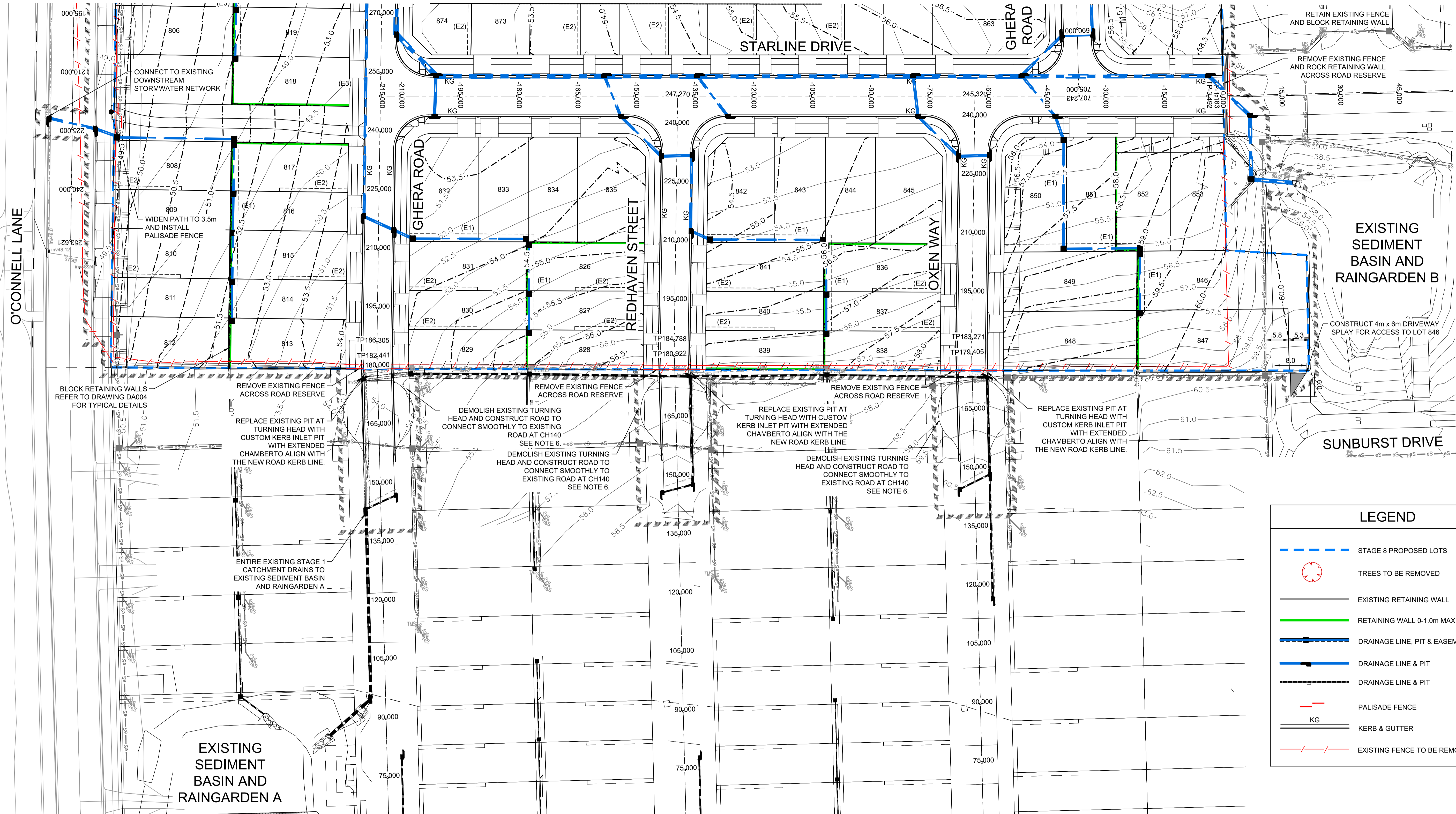
**CADDENS HILL**  
 STAGE 8 - 10  
 ENGINEERING PLAN SHEET 1

PROJECT No: **110358-050**  
 SHEET No: **DA050**

PLAN No: **110358-09-DA050**

AZIMUTH: M.G.A. 94    DATUM: A.H.D.    ORIGIN:    PLAN No: **110358-09-DA050**    4

REFER TO DRAWING DA050 FOR CONTINUATION



**LEGEND**

- STAGE 8 PROPOSED LOTS
- TREES TO BE REMOVED
- EXISTING RETAINING WALL
- RETAINING WALL 0-1.0m MAX. HEIGHT
- DRAINAGE LINE, PIT & EASEMENT
- DRAINAGE LINE & PIT
- DRAINAGE LINE & PIT
- PALISADE FENCE
- KERB & GUTTER
- EXISTING FENCE TO BE REMOVED

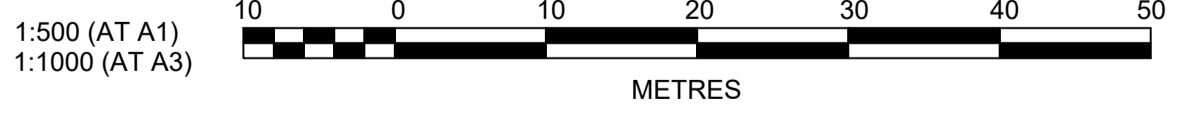


UTILITIES SHOWN ARE DIAGRAMMATIC ONLY, CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDE LINES & STANDARDS.

**NOTE: UTILITIES SHOWN MAY NOT INCLUDE ALL SERVICES WITHIN THE LIMIT OF WORKS**

- NOTE:**
- ALL NEW WORKS TO MAKE SMOOTH CONNECTION TO EXISTING PAVEMENT.
  - REFER TO DA004 FOR TYPICAL ROAD, RETAINING WALL, BENCHING AND LOT DETAILS.
  - ALL KERB RETURNS ARE 8.5m RADII UNO.
  - ALL BATTERS SHOWN ARE 1:4 UNLESS NOTED OTHERWISE.
  - RETAINING WALLS ARE 1.5m MAX. HEIGHT UNLESS OTHERWISE SHOWN
  - EXISTING STAGE 1 TURNING HEAD AND ROADS TO BE REMOVED AS PART OF SEPARATE ROADS ACT APPROVAL
  - FOR PROPOSED STREET TREE LOCATION REFER TO LANDSCAPE DESIGN BY PLACE DESIGN GROUP

(E1) PROPOSED EASEMENT TO DRAIN WATER 2.0 WIDE  
 (E2) PROPOSED 17.0 LONG EASEMENT FOR ACCESS AND MAINTENANCE 0.9 WIDE



Plotfile: 17 November, 2021 11:46:43 AM File Name: J:\110358 - O'Connell Lane Caddens\09 - Masterplanning\CDD\DA110358-09-DA051.dwg

AMENDMENT	DES	DRN	CKD	APR	DATE
3	GA	JM	MS	DJ	17/11/21
2	GA	JM	MS	DJ	03/11/21
1	GA	JM	MS	DJ	22/10/21

**J. WYNDHAM PRINCE**  
 CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750  
 P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT: LEGACYPROPERTY

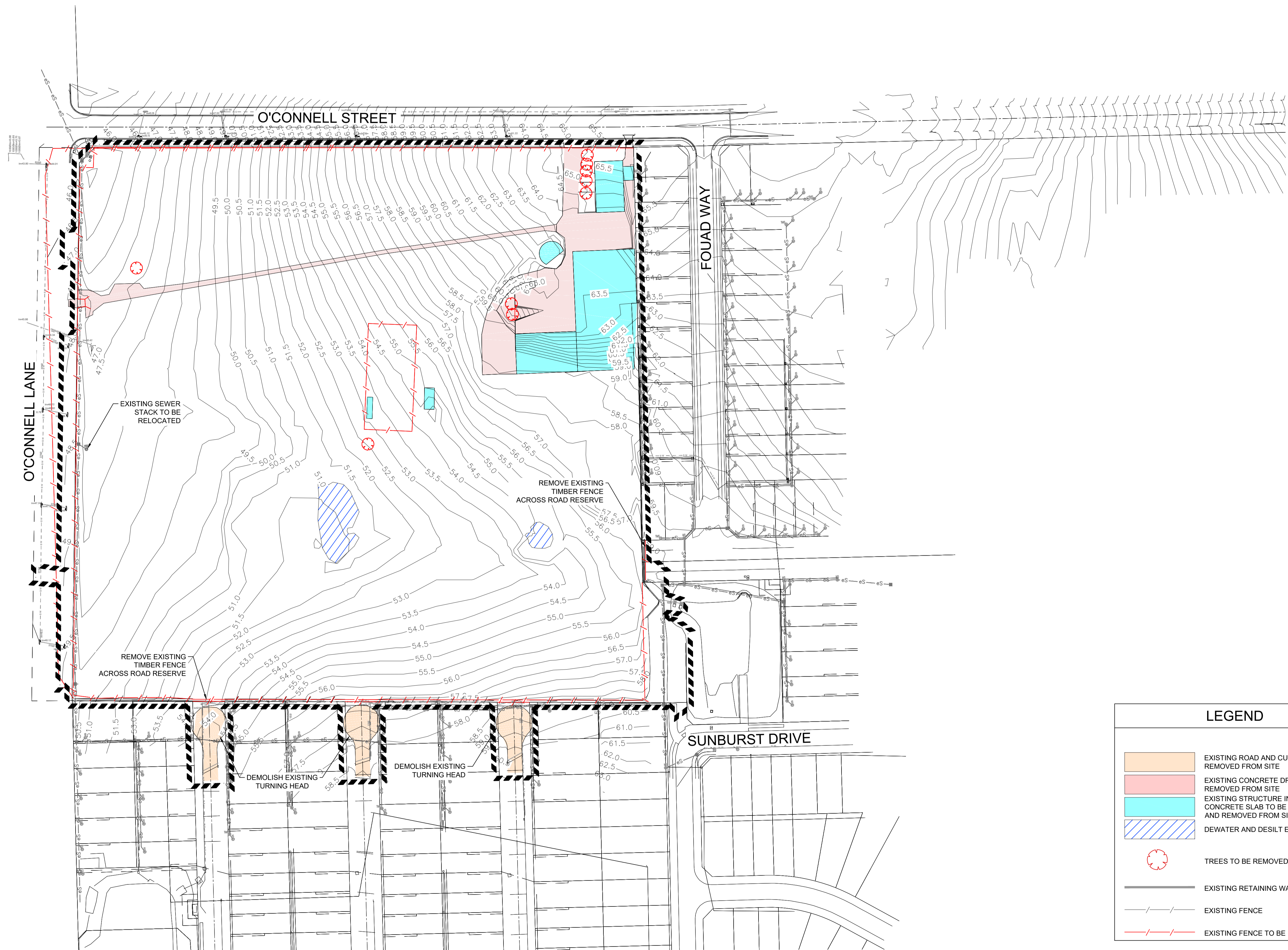
STATUS: **ISSUE FOR DA APPROVAL**  
**NOT FOR CONSTRUCTION**  
 THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

CADDENS HILL  
 STAGE 8 - 10  
 ENGINEERING PLAN SHEET 2

PROJECT No: 110358-051  
 SHEET No: DA051

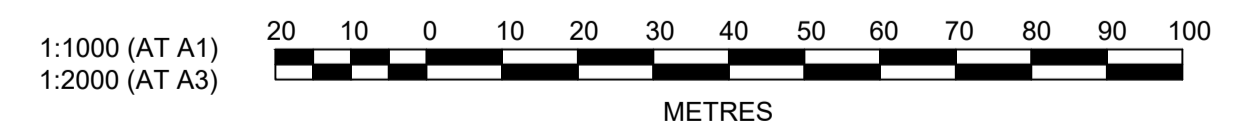
PLAN No: 110358-09-DA051

AZIMUTH: M.G.A. 94 DATUM: A.H.D. ORIGIN: 3



LEGEND	
	EXISTING ROAD AND CUL DE SAC TO BE REMOVED FROM SITE
	EXISTING CONCRETE DRIVEWAY TO BE REMOVED FROM SITE
	EXISTING STRUCTURE INCLUDING CONCRETE SLAB TO BE DEMOLISHED AND REMOVED FROM SITE
	DEWATER AND DESILT EXISTING POND
	TREES TO BE REMOVED
	EXISTING RETAINING WALL
	EXISTING FENCE
	EXISTING FENCE TO BE REMOVED

NOTE:  
1. FOR DEMOLISHED STRUCTURES REFER TO ENVIRONMENTAL REPORT



Plotted: 17 November, 2021 11:53:22 AM File Name: J:\110358 - O'Connell Lane Caddens\09 - Masterplanning\CD\DA\110358-09-DA052.dwg

1	ISSUE FOR DA APPROVAL	GA	JM	MS	DJ	17/11/21
	AMENDMENT	DES	DRN	CKD	APR	DATE

**J. WYNDHAM PRINCE**  
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750  
P 02 4720 3300 W [www.jwprince.com.au](http://www.jwprince.com.au) E [jwp@jwprince.com.au](mailto:jwp@jwprince.com.au)

CLIENT:

**LEGACYPROPERTY**

STATUS:

**ISSUE FOR DA APPROVAL**

**NOT FOR CONSTRUCTION**

THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

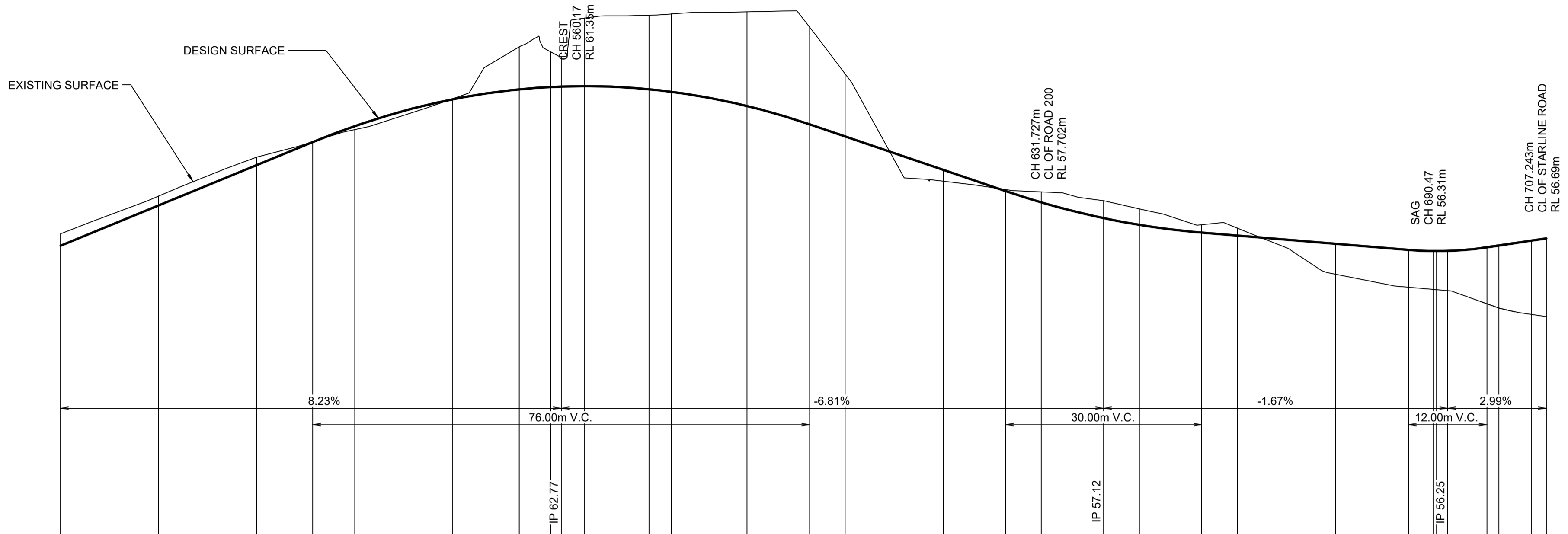
**CADDENS HILL**  
**STAGE 8 - 10**  
**DEMOLITION PLAN**

PROJECT No:  
**110358-052**

SHEET No:  
**DA052**

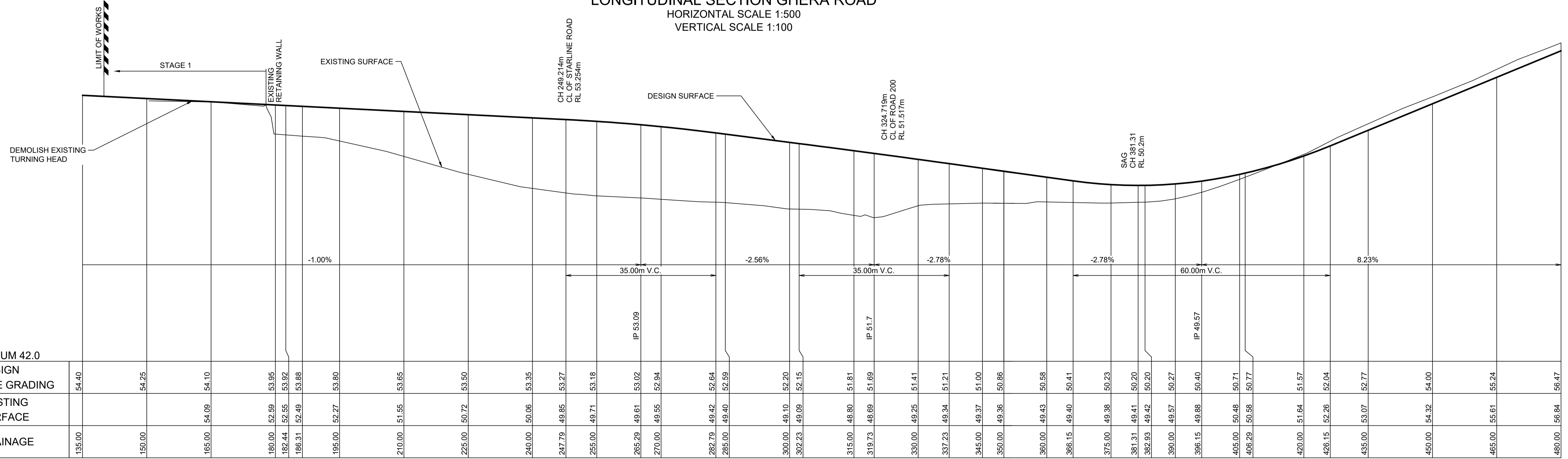
PLAN No: **110358-09-DA052**

AZIMUTH: M.G.A. 94	DATUM: A.H.D.	ORIGIN:	1
--------------------	---------------	---------	---



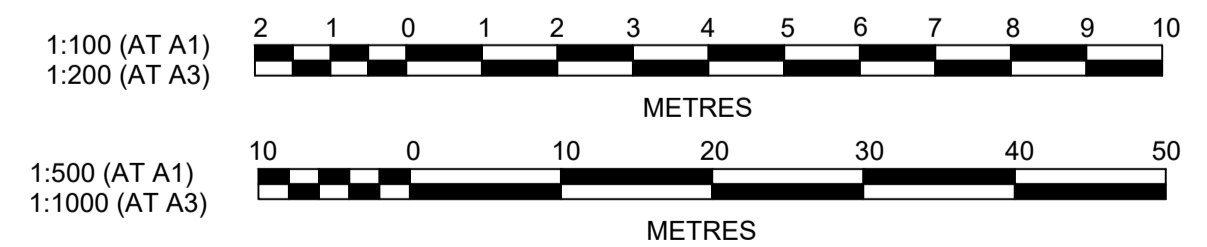
DATUM 42.0	
DESIGN LINE GRADING	56.47
EXISTING SURFACE	56.84
CHAINAGE	480.00

LONGITUDINAL SECTION GHERA ROAD  
HORIZONTAL SCALE 1:500  
VERTICAL SCALE 1:100



DATUM 42.0	
DESIGN LINE GRADING	54.40
EXISTING SURFACE	54.09
CHAINAGE	135.00

LONGITUDINAL SECTION GHERA ROAD  
HORIZONTAL SCALE 1:500  
VERTICAL SCALE 1:100



Plotted: 5 November 2021 4:21:41 PM File Name: J:\110358 - O'Connell Lane Caddens\09 - Masterplanning\CD\DA110358-09-DA100.dwg

AMENDMENT	DES	DRN	CKD	APR	DATE
2	GA	JM	MS	DJ	05/11/21
1	GA	JM	MS	DJ	22/10/21

**J. WYNDHAM PRINCE**  
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750  
P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT: **LEGACYPROPERTY**

STATUS: **ISSUE FOR DA APPROVAL**  
**NOT FOR CONSTRUCTION**

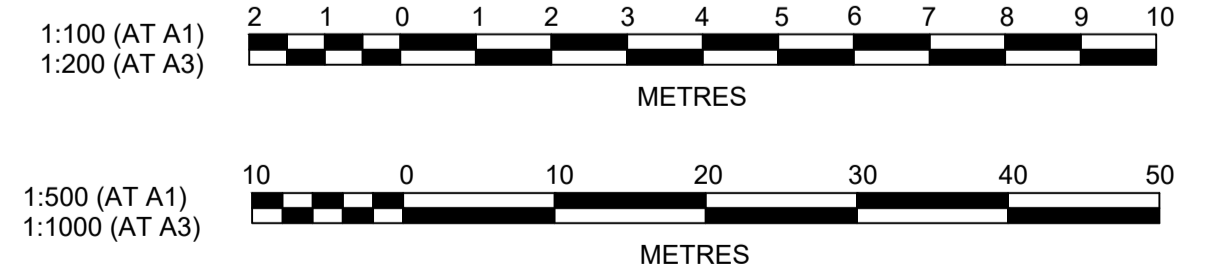
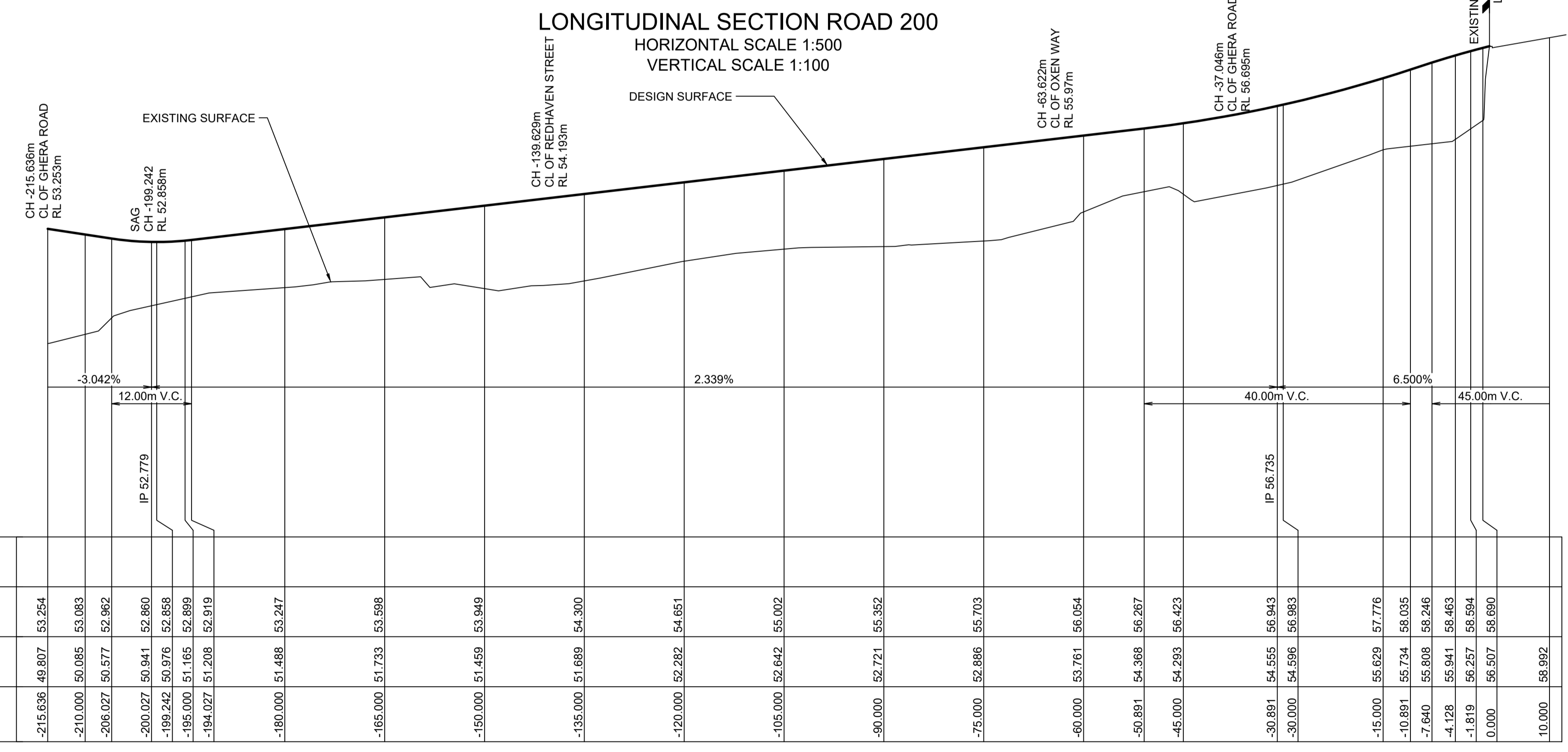
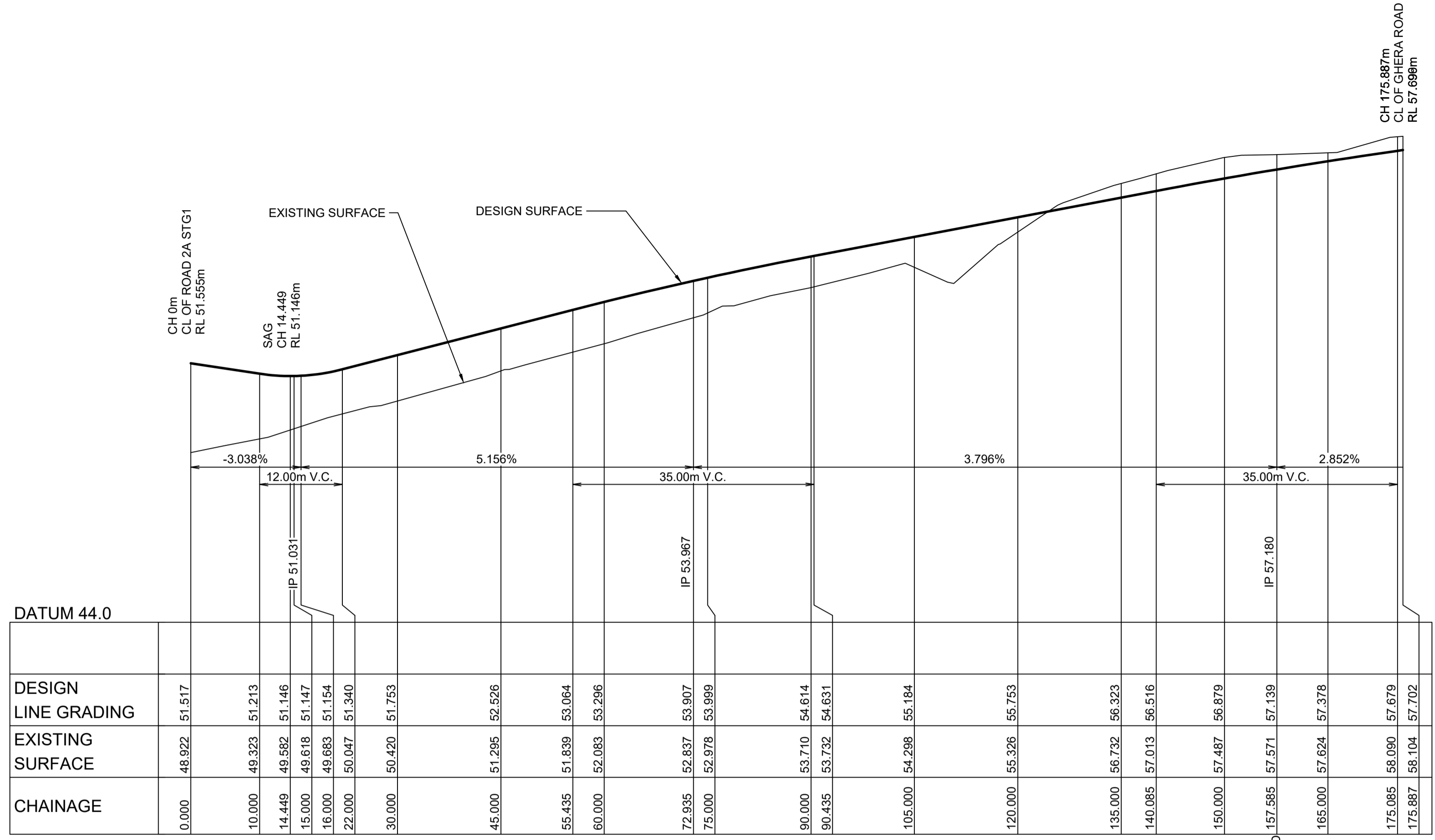
THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

**CADDENS HILL**  
**STAGE 8 - 10**  
ROAD LONGITUDINAL SECTIONS SHEET 1

AZIMUTH: M.G.A. 94 DATUM: A.H.D. ORIGIN: PLAN No: 110358-09-DA100

PROJECT No: **110358-100**  
SHEET No: **DA100**

2



Plotted: 5 November 2021 4:10:49 PM File Name: J:\110358 - OConnell Lane Caddens\09 - Masterplanning\CD\DA110358-09-DA101.dwg

1	ISSUE FOR DA APPROVAL	GA	JM	MS	DJ	22/10/21
	AMENDMENT	DES	DRN	CKD	APR	DATE

**J. WYNDHAM PRINCE**  
 CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS  
 PO Box 4366 PENRITH WESTFIELD NSW 2750  
 P 02 4720 3300 W www.jwprince.com.au E jwpp@jwprince.com.au

CLIENT:  
  
**LEGACYPROPERTY**

STATUS:  
**ISSUE FOR DA APPROVAL**  
**NOT FOR CONSTRUCTION**  
 THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

**CADDENS HILL**  
**STAGE 8 - 10**  
 ROAD LONGITUDINAL SECTIONS SHEET 2

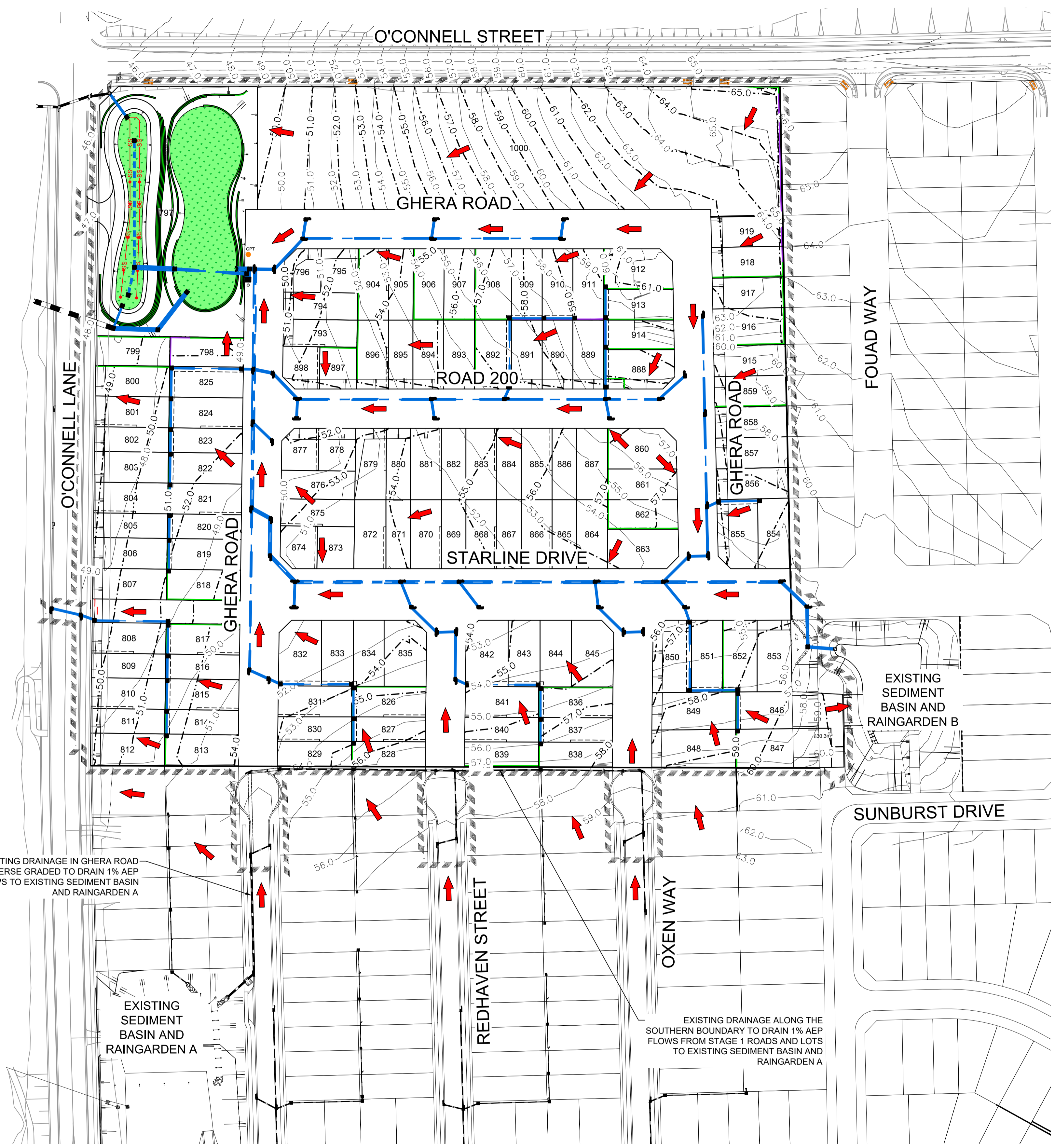
PROJECT No: **110358-101**  
 SHEET No: **DA101**

AZIMUTH: M.G.A. 94    DATUM: A.H.D.    ORIGIN:    PLAN No: **110358-09-DA101**

1

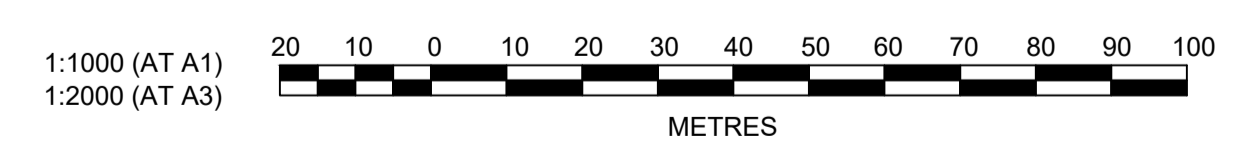
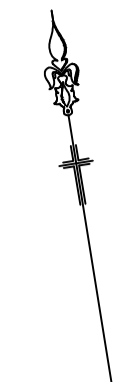


Plotted: 5 November 2021 4:11:37 PM. File Name: J:\110358 - O'Connell Lane Caddens\09 - Masterplanning\CD\DA\110358-09-DA300.dwg



**LEGEND**

- DRAINAGE LINE, PIT & EASEMENT
- DRAINAGE LINE & PIT
- FLOW DIRECTION



AMENDMENT	DES	DRN	CKD	APR	DATE
3	GA	JM	MS	DJ	05/11/21
2	GA	JM	MS	DJ	03/11/21
1	GA	JM	MS	DJ	22/10/21

**J. WYNDHAM PRINCE**  
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750  
P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT:

**LEGACYPROPERTY**

STATUS:

ISSUE FOR  
DA APPROVAL  
NOT FOR CONSTRUCTION

THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

**CADDENS HILL  
STAGE 8 - 10  
STORMWATER PLAN**

AZIMUTH: M.G.A. 94    DATUM: A.H.D.    ORIGIN:

PROJECT No:  
**110358-300**

SHEET No:  
**DA300**


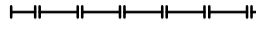






PLAN No: 110358-09-DA300

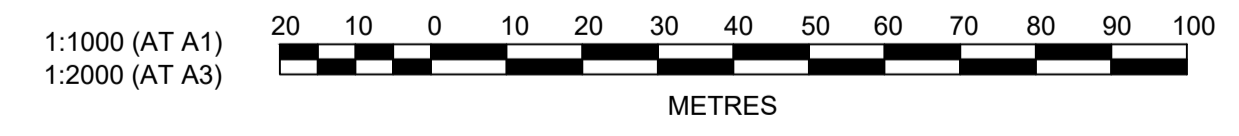
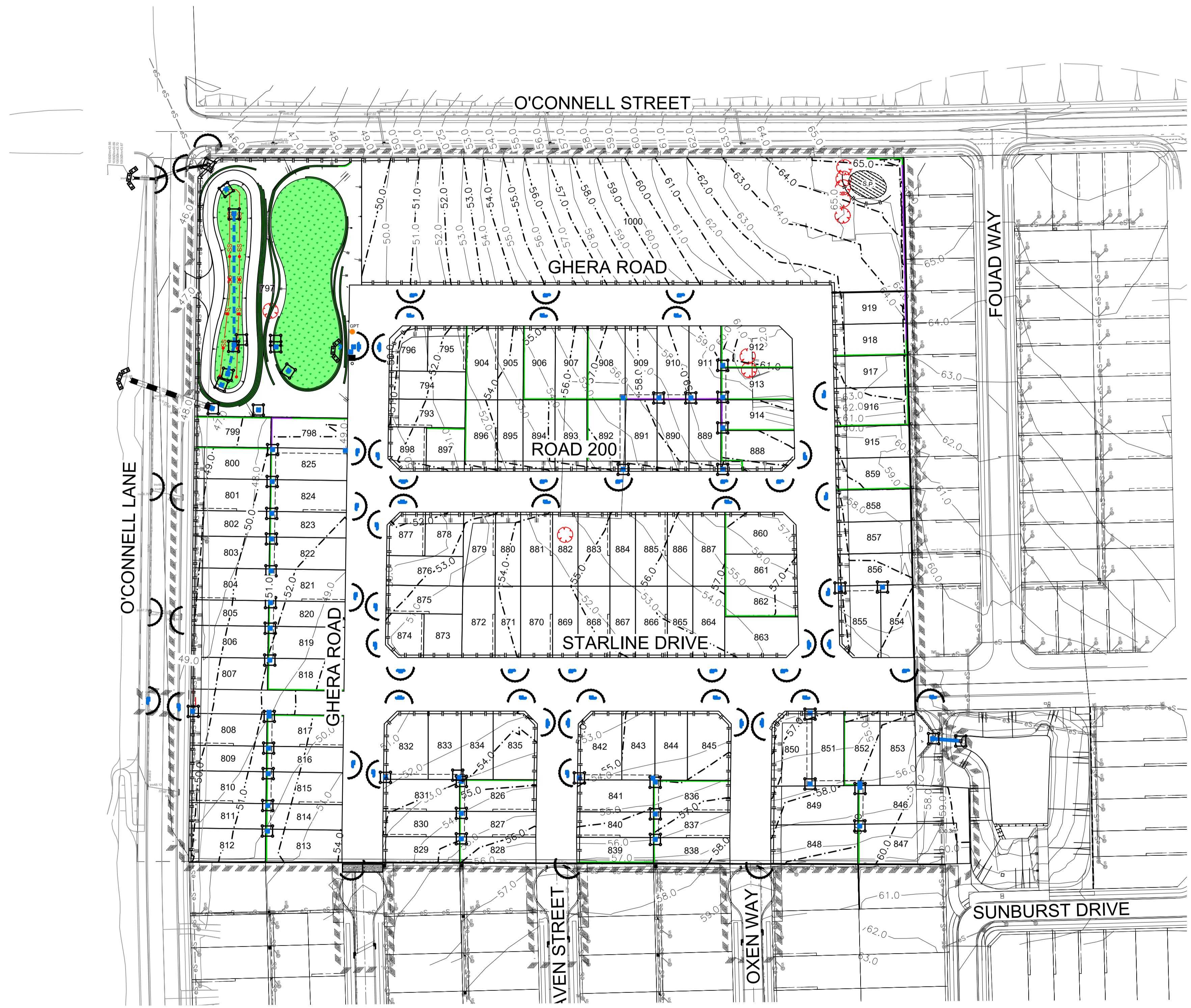
3



Plotted: 5 November 2021 4:12:19 PM. File Name: J:\110358 - O'Connell Lane Caddens\09 - Masterplanning\CD\DA110358-09-DA301.dwg

### LEGEND

-  STABILISED SITE ACCESS & WHEEL WASH BAY
-  SEDIMENT FENCE
-  STRAW BALE BARRIER
-  STOCKPILE
-  MESH AND GRAVEL INLET FILTER
-  GEOTEXTILE INLET FILTER
-  INTERALLOTMENT DRAINAGE PIT
-  KERB INLET PIT



AMENDMENT	DES	DRN	CKD	APR	DATE
3	GA	JM	MS	DJ	05/11/21
2	GA	JM	MS	DJ	03/11/21
1	GA	JM	MS	DJ	22/10/21

**J. WYNDHAM PRINCE**  
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750  
P 02 4720 3300 W [www.jwprince.com.au](http://www.jwprince.com.au) E [jwp@jwprince.com.au](mailto:jwp@jwprince.com.au)

CLIENT:



**LEGACYPROPERTY**

STATUS:

**ISSUE FOR DA APPROVAL**

**NOT FOR CONSTRUCTION**

THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

**CADDENS HILL**  
STAGE 8 - 10  
SOIL & WATER MANAGEMENT PLAN

PROJECT No: **110358-301**  
SHEET No: **DA301**

AZIMUTH: M.G.A. 94    DATUM: A.H.D.    ORIGIN:    PLAN No: 110358-09-DA301

3

# SOIL AND WATER MANAGEMENT NOTES

## GENERAL NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES, INCLUDING REVEGETATION AND STORAGE OF SOIL AND TOPSOIL, SHALL BE IMPLEMENTED TO THE REQUIREMENTS OF THE "SOILS AND CONSTRUCTION - VOLUME 1, 4TH EDITION, MARCH 2004".
- TOPSOIL FROM ALL AREAS TO BE DISTURBED SHALL BE STOCKPILED AND LATER RESPREAD TO AID REVEGETATION IN THOSE AREAS.
- ALL DRAINAGE WORKS SHALL BE CONSTRUCTED AND STABILISED AS EARLY AS POSSIBLE DURING DEVELOPMENT.
- ALL TAIL-OUT DRAINS SHALL BE COUCH GRASSED AND TRAPEZOIDAL IN SECTION. STRAW BALES SHALL BE PLACED AS A SEDIMENT CONTROL DEVICE WHERE REQUIRED.
- VEHICULAR TRAFFIC SHALL BE CONTROLLED DURING DEVELOPMENT CONFINING ACCESS WHERE POSSIBLE TO PROPOSED OR EXISTING ROAD ALIGNMENTS. AREAS TO BE LEFT UNDISTURBED SHALL BE MARKED OFF.
- ROADS SHALL BE PAVED AS EARLY AS POSSIBLE AFTER FORMATION.
- DISTURBANCE OF VEGETATION SHALL BE LIMITED TO FILL AREAS, ROADWAYS AND DRAINAGE LINES. NO LOT GRADING SHALL BE CARRIED OUT IN UNDISTURBED AREAS WITHOUT CONSULTATION WITH COUNCIL'S ENGINEER.
- ALL DISTURBED AREAS SHALL BE REVEGETATED AS SOON AS THE RELEVANT WORKS ARE COMPLETED.
- ALL SEDIMENT BASINS AND TRAPS SHALL BE CLEANED WHEN THE STRUCTURES ARE A MAXIMUM 60% FULL OF SOLID MATERIALS, INCLUDING DURING THE MAINTENANCE PERIOD.
- THE SOIL AND WATER MANAGEMENT PLAN IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING PLANS, AND COUNCIL'S WRITTEN GUIDELINES FOR THE DEVELOPMENT OF LAND.
- CONTRACTORS SHALL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE UNDERTAKEN AS SPECIFIED ON THE PLAN AND IN ACCORDANCE WITH THE GUIDELINES SHOWN IN "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION 4TH EDITION" ("THE BLUE BOOK").
- ALL CONTRACTORS AND SUBCONTRACTORS ARE RESPONSIBLE FOR REDUCING THE SOIL EROSION AND POLLUTION OF DOWNSLOPE AREAS.
- THE SOIL EROSION HAZARD ON THE SITE IS TO BE KEPT AS LOW AS POSSIBLE AND GENERALLY IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

LAND USE	LIMITATION	COMMENTS
CONSTRUCTION AREAS	DISTURBANCE TO BE NO FURTHER THAN 5m (PREF 2m) FROM THE EDGE OF ANY ESSENTIAL ENGINEERING ACTIVITY AS SHOWN ON THESE PLANS	ALL SITE WORKERS WILL CLEARLY RECOGNISE THESE ZONES - WHERE APPROPRIATE THE CONSTRUCTION AREAS ARE TO BE IDENTIFIED WITH BARRIER FENCING (DOWNSLOPE) OR SIMILAR MATERIAL.
ACCESS AREAS	LIMITED TO A MAXIMUM WIDTH OF 10m	THE SITE MANAGER SHALL DETERMINE AND MARK THE LOCATION OF THESE ZONES ONSITE. THEY CAN VARY IN POSITION TO BEST CONSERVE THE EXISTING VEGETATION AND PROTECT DOWNSTREAM AREAS WHILE BEING CONSIDERATE OF THE NEEDS OF EFFICIENT WORKS ACTIVITIES. ALL SITE WORKERS SHALL CLEARLY RECOGNISE THEIR BOUNDARIES. WHERE APPROPRIATE THE ACCESS AREAS ARE TO BE MARKED WITH BARRIER MESH, SEDIMENT FENCING OR SIMILAR MATERIALS.
REMAINING LANDS	ENTRY PROHIBITED EXCEPT FOR ESSENTIAL THINNING OF PLANT GROWTH	THINNING OF GROWTH MAY BE REQUIRED FOR FIRE HAZARD REDUCTION.

NOTE:  
WORKS WITHIN WATERWAYS AND CREEKS SHALL BE RESTRICTED AS DIRECTED - ALL LANDS WITHIN CREEKS AND WATERWAYS SHALL HAVE A GROUND COVER MORE THAN 70%, USING MATERIALS THAT CAN CATER FOR CONCENTRATED FLOWS.

- WORKS ARE TO BE UNDERTAKEN IN THE FOLLOWING SEQUENCE. EACH SUBSEQUENT STAGE IS NOT TO COMMENCE UNTIL THE PREVIOUS ONE IS COMPLETE:-
  - INSTALL ALL BARRIER AND SEDIMENT FENCING WHERE SHOWN ON THE PLAN AND TO DETAIL (SD) 6-8.
  - CONSTRUCT STABILISED SITE ACCESS AS SHOWN ON THE PLAN AND TO DETAIL (SD) 6-14.
  - CONSTRUCT LOW FLOW EARTH BANKS WHERE SHOWN ON THE PLAN AND TO DETAIL (SD) 5-5.
  - PROVIDE TEMP. ACCESS TO THE SEDIMENT BASIN(S) AND PROTECT THIS WITH SEDIMENT FENCING (SD) 6-8 OR BARRIER FENCING AND EARTH BANKS (SD) 5-5.
  - PLACE SEDIMENT FENCING (SD) 6-8 DOWNSLOPE OF LANDS TO BE DISTURBED FOR CONSTRUCTION OF THE SEDIMENT BASINS.
  - CONSTRUCT SEDIMENT BASIN(S) GENERALLY IN ACCORDANCE WITH (SD) 6-4
  - STABILISE LAND SURFACES DISTURBED BY CONSTRUCTION OF THE SEDIMENT BASIN(S) AS SOON AS FINAL LEVELS ARE ESTABLISHED
  - CLEAR THE SITE AND STRIP AND STOCKPILE THE TOPSOIL IN THE LOCATIONS SHOWN ON THE PLAN OR AS DIRECTED BY THE SITE SUPERINTENDENT TO DETAIL (SD) 4-1.
  - UNDERTAKE ALL ESSENTIAL CONSTRUCTION WORKS.
  - GRADE LOT AREAS TO FINAL GRADES AND APPLY PERMANENT STABILISATION (LANDSCAPING) WITHIN 14 DAYS OF COMPLETION OF CONSTRUCTION WORKS.
  - REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER THE PERMANENT LANDSCAPING HAS BEEN COMPLETED.
- CLEARLY VISIBLE BARRIER FENCING SHALL BE INSTALLED WHERE DIRECTED BY THE SITE SUPERINTENDENT TO CONTROL AND PROHIBIT UNNECESSARY SITE DISTURBANCE
- EARTH BATTERS SHALL BE CONSTRUCTED WITH AS LOW A GRADIENT AS PRACTICABLE BUT NO STEEPER THAN:-
  - 2(h) - 1(v) WHERE SLOPE LENGTH IS LESS THAN 7m
  - 2.5(h) - 1(v) WHERE SLOPE LENGTH IS BETWEEN 7m AND 10m
  - 3(h) - 1(v) WHERE SLOPE LENGTH IS BETWEEN 10m AND 12m
  - 4(h) - 1(v) WHERE SLOPE LENGTH IS BETWEEN 12m AND 18m
  - 5(h) - 1(v) WHERE SLOPE LENGTH IS BETWEEN 18m AND 27m
  - 6(h) - 1(v) WHERE SLOPE LENGTH IS GREATER THAN 27m

SLOPE LENGTHS CAN BE SHORTENED BY USING LOW FLOW EARTH BANKS AS CATCH DRAINS ABOVE THE EARTH BATTER AREA.

- PROTECTION FROM EROSION FORCES SHALL BE UNDERTAKEN ON ALL LANDS. GROUND COVER TO BE IN PLACE WITHIN 10 WORKING DAYS FROM COMPLETION OF FORMATION AND BEFORE THEY ARE ALLOWED TO CARRY ANY CONCENTRATED FLOWS.
- TEMPORARY GROUND COVER SHOULD BE MINIMUM 70%. FOOT AND VEHICULAR TRAFFIC SHALL BE KEPT AWAY FROM REHABILITATED AREAS.
- WHERE POSSIBLE THE CONSTRUCTION PROGRAM IS TO SCHEDULE WORKS SUCH THAT LAND DISTURBANCE ACTIVITIES ARE COMPLETED IN LESS THAN 6 MONTHS. REVEGETATION WORKS MUST BE CARRIED OUT AS STIPULATED IN THE RELEVANT COUNCIL GUIDELINES / SPECIFICATIONS SUCH THAT A SATISFACTORY GROUND COVER IS PROVIDED TO AT LEAST 60% OF THE DISTURBED AREA WITHIN 10 DAYS AND AT LEAST 70% OF THE DISTURBED AREA WITHIN A FURTHER 60 DAYS..
- SEDIMENT FENCES (SD) 6-8 SHALL:-
  - BE INSTALLED WHERE SHOWN ON THE PLAN AND AS DIRECTED AT THE DISCRETION OF THE SITE SUPERINTENDENT DURING THE COURSE OF CONSTRUCTION TO CONTAIN THE COARSER SEDIMENT FRACTIONS AS NEAR AS POSSIBLE TO THEIR SOURCE.
  - HAVE A CATCHMENT AREA NOT EXCEEDING 720sq.m. AND A STORAGE DEPTH OF AT LEAST 0.6m.
  - PROVIDE AN UPSLOPE RETURN OF 1m AT INTERVALS ALONG THE FENCE WHERE THE CATCHMENT AREA EXCEEDS 720sq.m. TO LIMIT THE DISCHARGE REACHING EACH SECTION TO 50litres/sec IN A MAX. 10yr Tc DISCHARGE.
- STOCKPILES (SD) 4-1 SHALL BE LOCATED AS SHOWN ON THE PLANS AND AT THE DISCRETION OF THE SITE SUPERINTENDENT.
- DURING WINDY WEATHER LARGE UNPROTECTED AREAS ARE TO BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL. IN THE EVENT WATER IS NOT AVAILABLE IN SUFFICIENT QUANTITIES SOIL BINDERS AND/OR DUST RETARDANTS SHALL BE USED OR THE SURFACE SHALL BE LEFT IN A CLODDY STATE THAT RESISTS REMOVAL BY WIND.
- STOCKPILES SHALL NOT BE LOCATED WITHIN 5m OF HAZARD AREAS, INCLUDING LIKELY AREAS OF HIGH VELOCITY FLOWS SUCH AS WATERWAYS, PAVED AREAS OR DRIVEWAYS.
- THE SEDIMENT RETENTION BASINS (SD) 6-4 SHALL:-
  - BE CONSTRUCTED WHERE SHOWN ON THE PLANS.
  - BE FLOCCULATED (APPENDIX E MANAGING URBAN STORMWATER SOILS & CONSTRUCTION 4TH ED.) BEFORE DISCHARGE OCCURS (UNLESS THE DESIGN STORM EVENT IS EXCEEDED)
  - HAVE ONE OR MORE PEGS PLACED ON THE FLOOR TO CLEARLY INDICATE THE LEVEL AT WHICH DESIGN CAPACITY OCCURS AND WHEN SEDIMENT SHALL BE REMOVED.
- STORED CONTENTS OF THE BASINS SHALL BE TREATED WITH GYPSUM (APPENDIX E MANAGING URBAN STORMWATER SOILS & CONSTRUCTION 4TH ED.) OR OTHER FLOCCULATING AGENTS WHERE THEY CONTAIN MORE THAN 50mg/litre OF SUSPENDED SOLIDS. TREATMENT SHALL BE AS FOLLOWS:-
  - LOWER SUSPENDED SOLIDS TO LESS THAN 50mg/litre WITHIN 24hrs OF FILLING
  - THE BASINS SHALL THEN BE ALLOWED TO STAND 36 TO 48hrs FOR FLOCCULATED PARTICLES TO SETTLE
  - THE BASINS SHALL THEN BE DRAINED SO THAT FULL STORAGE CAPACITY IS REGAINED WITHOUT DISCHARGING SEDIMENT FROM THE SITE.
- SEDIMENT REMOVED FROM ANY TRAPPING DEVICE SHALL BE DISPOSED IN LOCATIONS WHERE FURTHER EROSION AND CONSEQUENT POLLUTION TO DOWNSLOPE LANDS AND WATERWAYS SHALL NOT OCCUR.
- WATER SHALL BE PREVENTED FROM DIRECTLY ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE (ie THE CATCHMENT HAS BEEN LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN TREATED IN AN APPROVED DEVICE) NEVERTHELESS STORMWATER INLETS SHALL BE PROTECTED (SD) 6-11 & 6-12.
- TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES SHALL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE STABILISED.
- ACCEPTABLE BINS SHALL BE PROVIDED FOR ANY CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHTWEIGHT WASTE MATERIALS AND LITTER. CLEARANCE SERVICES SHALL BE PROVIDED AT LEAST ONCE A WEEK.

## STOCKPILE NOTES:

- SPOIL AND TOPSOIL STOCKPILES SHALL BE LOCATED AWAY FROM DRAINAGE LINES AND AREAS WHERE WATER MAY CONCENTRATE.
- IF STOCKPILES ARE TO BE IN PLACE FOR LONGER THAN 14 DAYS THEN THEY SHALL BE STABILIZED BY COVERING WITH A MULCH OR WITH TEMPORARY VEGETATION.
- FOLLOWING CONSTRUCTION, TOPSOIL SHALL BE RESPREAD TO A MINIMUM DEPTH OF 100mm ON THE BARE SOIL SURFACES AND REVEGETATED.

## SEDIMENTATION CONTROL DEVICES:

- ALL STRAW BALES SHALL BE BOUND WITH WIRE. STRAW BALES SHALL BE PLACED END TO END IN A SINGLE ROW AND EMBEDDED INTO THE SOIL TO A DEPTH OF 100mm. EACH BALE SHALL BE SECURELY ANCHORED WITH TWO STEEL STAKES DRIVEN 600mm INTO THE GROUND AND LOCKED ON THE BALE CENTRELINE.
- SILT FENCES SHALL BE CONSTRUCTED BY STRETCHING A FILTER FABRIC (PROPEX OR SIMILAR) BETWEEN POSTS AT 2.5m CENTRES. FABRIC SHALL BE BURIED 150mm ALONG ITS LOWER EDGE.
- PROVIDE STRIP OF TURF MIN. 300mm WIDE BEHIND KERB + 1m WIDE AROUND ALL SURFACE INLET PITS

## SITE INSPECTION AND MAINTENANCE:

- A SELF-AUDITING PROGRAM SHALL BE ESTABLISHED BASED ON A INSPECTION TEST PLAN (ITP) OR LOG BOOK. A SITE INSPECTION USING THE ITP SHALL BE MADE BY THE SITE MANAGER:-
  - AT LEAST WEEKLY
  - IMMEDIATELY BEFORE SITE CLOSURE
  - IMMEDIATELY FOLLOWING RAINFALL EVENTS IN EXCESS OF 5mm IN ANY 24hr PERIOD.

THE SELF AUDIT SHALL INCLUDE:-

  - RECORDING THE CONDITION OF EVERY 'BEST MANAGEMENT PRACTICE' EMPLOYED
  - RECORDING MAINTENANCE REQUIREMENTS (IF ANY) FOR EACH 'BEST MANAGEMENT PRACTICE'
  - RECORDING THE VOLUMES OF SEDIMENT REMOVED FROM SEDIMENT RETENTION SYSTEMS WHERE APPLICABLE
  - RECORDING THE SITE WHERE SEDIMENT IS DISPOSED
  - FORWARDING A SIGNED DUPLICATE OF THE COMPLETED CHECK SHEET TO THE PROJECT MANAGER/DEVELOPER FOR THEIR INFORMATION.
- IN ADDITION A SUITABLY QUALIFIED PERSON SHALL BE RESPONSIBLE FOR OVERSEEING THE INSTALLATION AND MAINTENANCE OF ALL SOIL AND WATER MANAGEMENT WORKS ON THE SITE. THE PERSON SHALL BE REQUIRED TO SPEND A MINIMUM OF:-
  - 2hrs ONSITE EACH FORTNIGHT UP UNTIL COMPLETION OF ROAD AND DRAINAGE WORKS AND/OR THE COMMISSIONING OF SEDIMENT BASIN(S)/WATER QUALITY CONTROL FACILITIES, AND DURING THE DECOMMISSIONING OF SAME AND/OR FINAL SITE STABILISATION. TO PROVIDE A SHORT MONTHLY WRITTEN REPORT.
  - ONE HOUR ONSITE EACH 2 MONTHS DURING THAT PHASE WHERE THE DEVELOPERS RESPONSIBILITIES ARE LIMITED TO MAINTENANCE OF THE SDS DEVICES AND/OR SEDIMENT BASINS (ie DURING THE STAGE WHEN BUILDING WORKS CAN BE UNDERTAKEN) TO PROVIDE A SHORT WRITTEN REPORT EACH 4 MONTHS

THE RESPONSIBLE PERSON SHALL ENSURE THAT:-

  - THIS PLAN IS BEING IMPLEMENTED CORRECTLY
  - REPAIRS ARE BEING UNDERTAKEN AS REQUIRED
  - ESSENTIAL MODIFICATIONS TO THIS PLAN ARE BEING MADE IF AND WHEN NECESSARY. EACH REPORT SHALL CERTIFY THAT WORKS HAVE BEEN CARRIED OUT ACCORDING TO THE APPROVED PLANS.
- WASTE BINS SHALL BE EMPTIED AS NECESSARY. DISPOSAL OF WASTE SHALL BE IN A MANNER APPROVED BY THE SITE SUPERINTENDENT
- PROPER DRAINAGE OF THE SITE SHALL BE MAINTAINED. DRAINS (INCLUDING INLET AND OUTLET WORKS) SHALL BE CHECKED TO ENSURE THAT THEY ARE OPERATING AS INTENDED, ESPECIALLY THAT:-
  - NO LOW POINTS EXIST WHICH CAN OVERTOP IN A LARGE STORM EVENT.
  - AREAS OF EROSION ARE REPAIRED (eg LINED WITH SUITABLE MATERIAL) AND/OR VELOCITY OF FLOW IS REDUCED APPROPRIATELY THROUGH CONSTRUCTION OF SMALL CHECK DAMS OR INSTALLING ADDITIONAL DIVERSIONS UPSLOPE
  - BLOCKAGES ARE CLEARED (THESE MIGHT OCCUR BECAUSE OF SEDIMENT POLLUTION, SAND/SOIL/SPOIL BEING DEPOSITED IN OR TOO CLOSE TO THEM, BREACHED BY VEHICLE WHEELS etc)
- SAND/SOIL/SPOIL MATERIALS PLACED CLOSER THAN 2m FROM HAZARD AREAS SHALL BE REMOVED SUCH HAZARD AREAS INCLUDE ANY AREAS OF HIGH VELOCITY WATER FLOWS (eg WATERWAYS AND GUTTERS) PAVED AREAS AND DRIVEWAYS.
- RECENTLY STABILISED LANDS SHALL BE CHECKED TO ENSURE THAT THE EROSION HAZARD HAS BEEN EFFECTIVELY REDUCED. ANY REPAIRS SHALL BE INITIATED AS APPROPRIATE.
- EXCESSIVE VEGETATIVE GROWTH SHALL BE CONTROLLED THROUGH MOWING OR SLASHING.
- ALL SEDIMENT DETENTION SYSTEMS SHALL BE KEPT IN GOOD WORKING CONDITION. IN PARTICULAR ATTENTION SHALL BE GIVEN TO:-
  - RECENT WORKS TO ENSURE THAT THEY HAVE NOT RESULTED IN DIVERSION OF SEDIMENT LADEN WATER AWAY FROM THEM
  - DEGRADABLE PRODUCTS TO ENSURE THAT THEY ARE REPLACED AS REQUIRED
  - SEDIMENT REMOVAL TO ENSURE THE DESIGN CAPACITY OR LESS REMAINS IN THE SETTLING ZONE.
- ADDITIONAL EROSION AND/OR SEDIMENT CONTROL WORKS SHALL BE CONSTRUCTED AS MIGHT BECOME NECESSARY TO ENSURE THE DESIRED PROTECTION IS GIVEN TO DOWNSLOPE LANDS AND WATERWAYS (ie MAKE ONGOING CHANGES TO THIS PLAN WHERE IT PROVES INADEQUATE IN PRACTICE OR IS SUBJECT TO CHANGES IN CONDITIONS AT THE WORKS SITE OR ELSEWHERE IN THE CATCHMENT.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN A FUNCTIONING CONDITION UNTIL ALL EARTHWORKS ACTIVITIES ARE COMPLETED AND THE SITE STABILISED.
- WATERS IN SEDIMENT RETENTION BASIN(S) THAT OCCUPY MORE THAN 1/4 OF THE DESIGN CAPACITY DURING THAT STAGE OF THE WORKS UP UNTIL COMMISSIONING OF THE BASIN(S) SHALL BE:-
  - TREATED WITH A FLOCCULATING AGENT (APPENDIX E MANAGING URBAN STORMWATER SOILS & CONSTRUCTION 4TH ED.)
  - DISCHARGED WITHIN 5 days FROM THE CONCLUSION OF ANY STORM EVENT LARGE ENOUGH TO FILL THE BASIN TO THAT LEVEL.
- LITTER, DEBRIS AND COARSE SEDIMENT SHALL BE REMOVED FROM THE GROSS POLLUTANT TRAPS AND TRASH RACKS AS REQUIRED.

Plotted: 5 November, 2021, 4:12:31 PM. File Name: J:\110358 - O'Connell Lane Caddens\09 - Masterplanning\CD\DA110358-09-DA302.dwg

1	ISSUE FOR DA APPROVAL	GA	JM	MS	DJ	22/10/21
	AMENDMENT	DES	DRN	CKD	APR	DATE

**J. WYNDHAM PRINCE**  
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750  
P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT:



LEGACYPROPERTY

STATUS:

**ISSUE FOR DA APPROVAL**

**NOT FOR CONSTRUCTION**

THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

CADDENS HILL  
STAGE 8 - 10  
SOIL & WATER MANAGEMENT NOTES

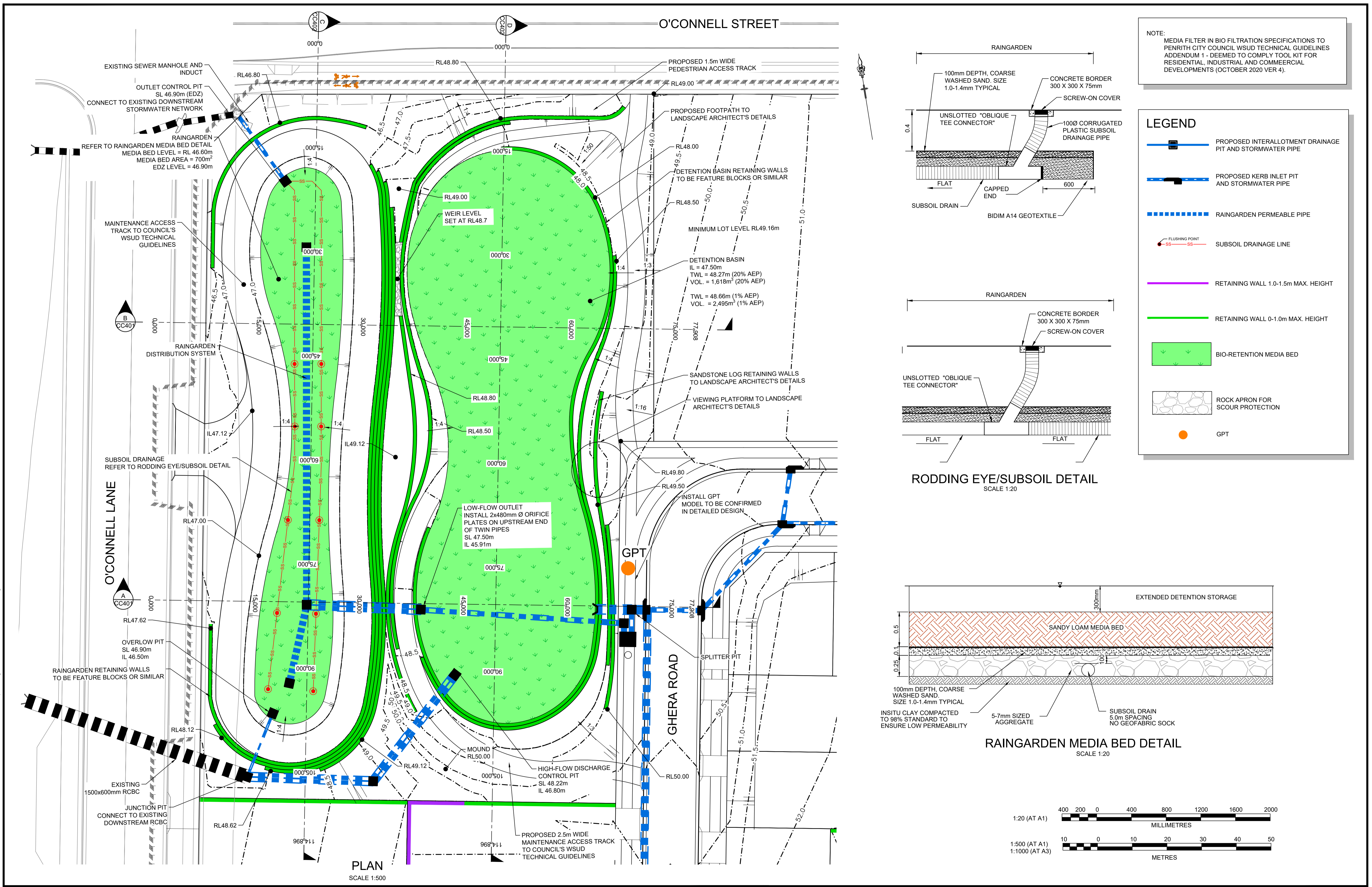
PROJECT No:  
**110358-302**

SHEET No:  
**DA302**

AZIMUTH: M.G.A. 94    DATUM: A.H.D.    ORIGIN:

PLAN No: 110358-09-DA302

1



Plotfile: 5 November 2021 4:13:02 PM File Name: J1110358 - O'Connell Lane Caddens09 - Masterplanning/CDDA110358-09-DA400.dwg

AMENDMENT	DES	DRN	CKD	APR	DATE
3	GA	JM	MS	DJ	05/11/21
2	GA	JM	MS	DJ	03/11/21
1	GA	JM	MS	DJ	22/10/21

**J. WYNDHAM PRINCE**  
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750  
P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT: **LEGACYPROPERTY**

STATUS: **ISSUE FOR DA APPROVAL**  
**NOT FOR CONSTRUCTION**

THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

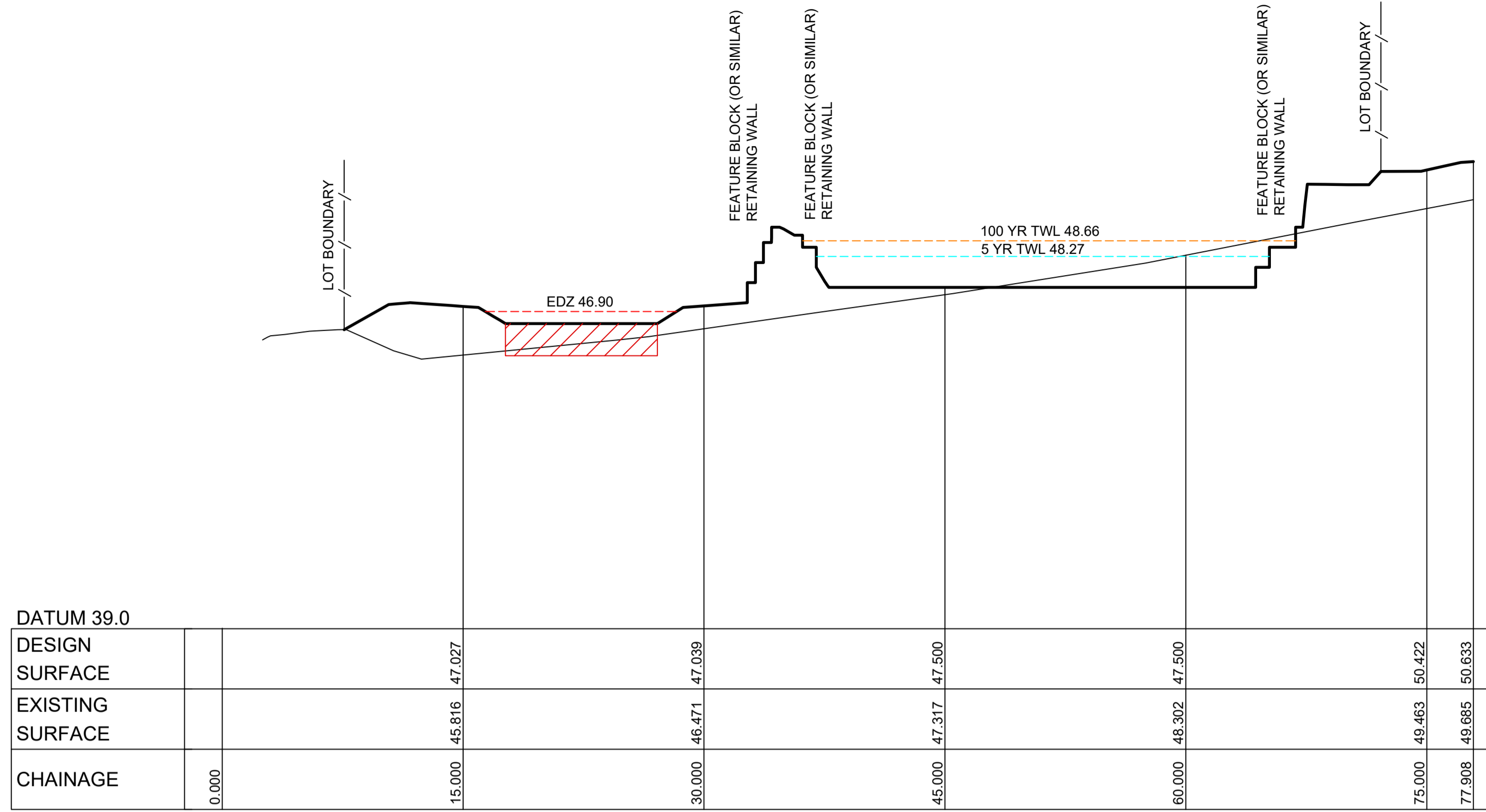
**CADDENS HILL**  
STAGE 8 - 10  
BASIN PLAN AND RAINGARDEN DETAILS

PROJECT No: **110358-400**  
SHEET No: **DA400**

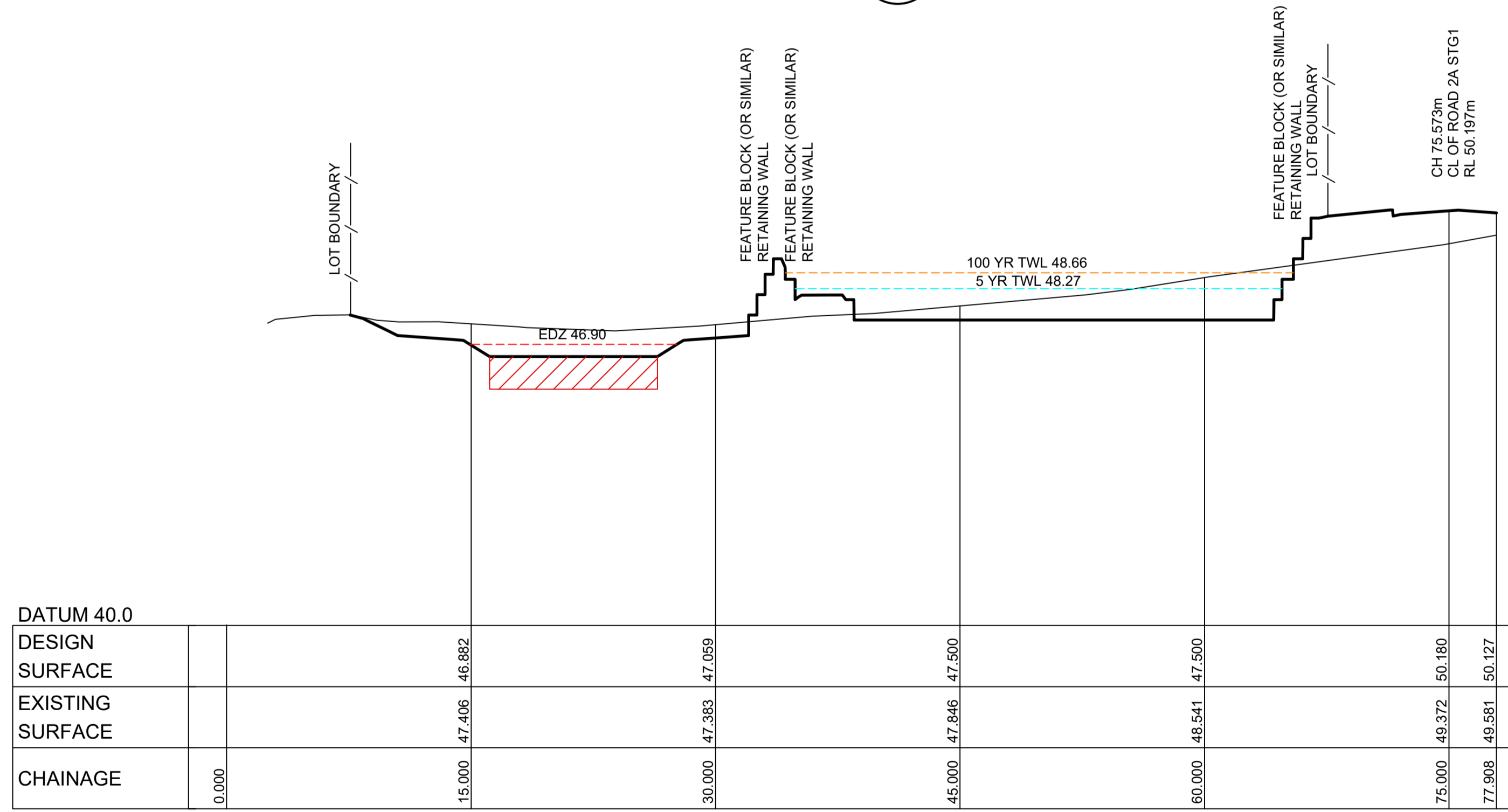
PLAN No: 110358-09-DA400

AZIMUTH: M.G.A. 94    DATUM: A.H.D.    ORIGIN:    3

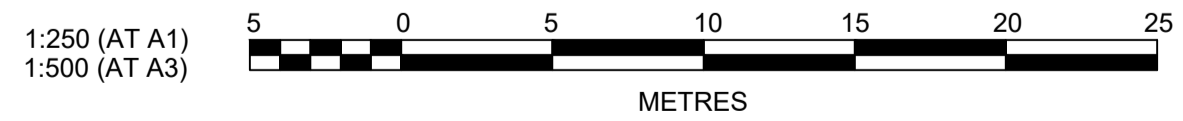
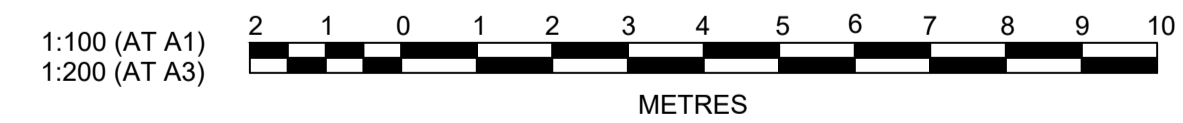
Plotted: 5 November 2021 4:13:19 PM. File Name: J:\110358 - OConnell Lane Caddens\09 - Masterplanning\CD\DA\110358-09-DA401.dwg



**SECTION B**  
SCALE H 1:250  
V 1:100  
CC400



**SECTION A**  
SCALE H 1:250  
V 1:100  
CC400



NO.	DESCRIPTION	DES	DRN	CKD	APR	DATE
2	ISSUE FOR DA APPROVAL	GA	JM	MS	DJ	03/11/21
1	ISSUE FOR DA APPROVAL	GA	JM	MS	DJ	22/10/21
	AMENDMENT	DES	DRN	CKD	APR	DATE

**J. WYNDHAM PRINCE**  
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750  
P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au



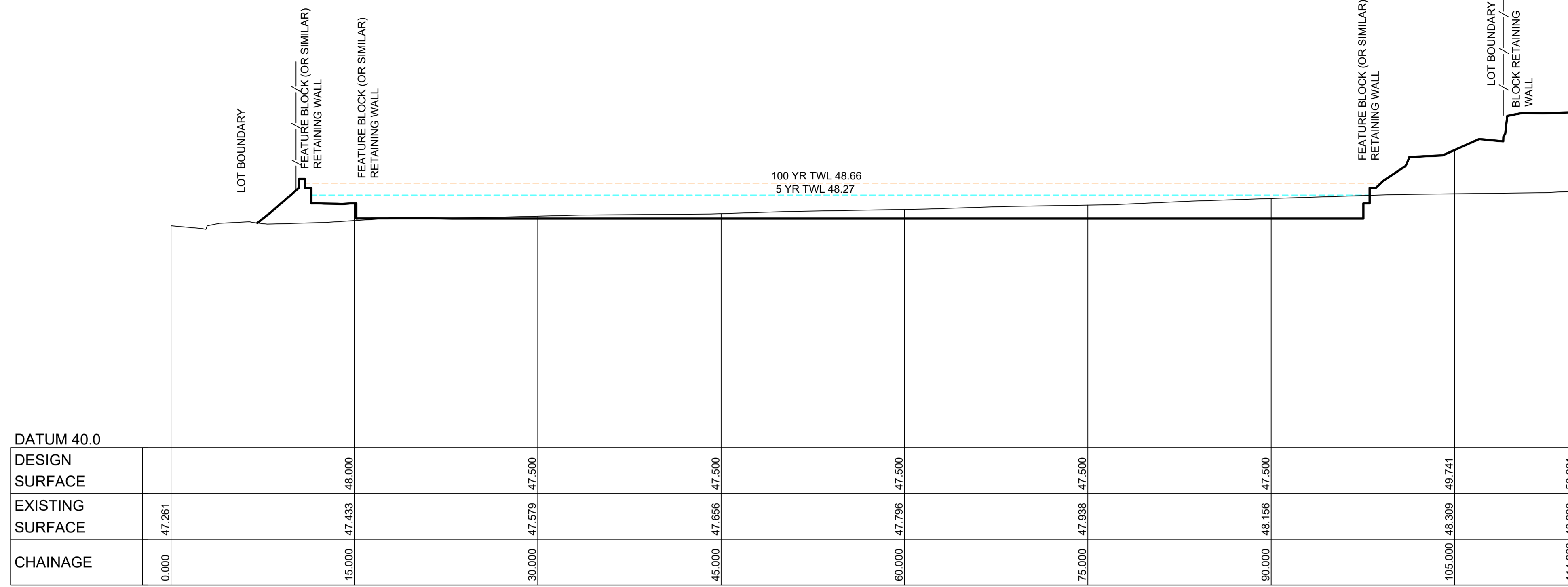
STATUS: **ISSUE FOR DA APPROVAL**  
**NOT FOR CONSTRUCTION**  
THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

**CADDENS HILL**  
**STAGE 8 - 10**  
BASIN SECTIONS SHEET 1

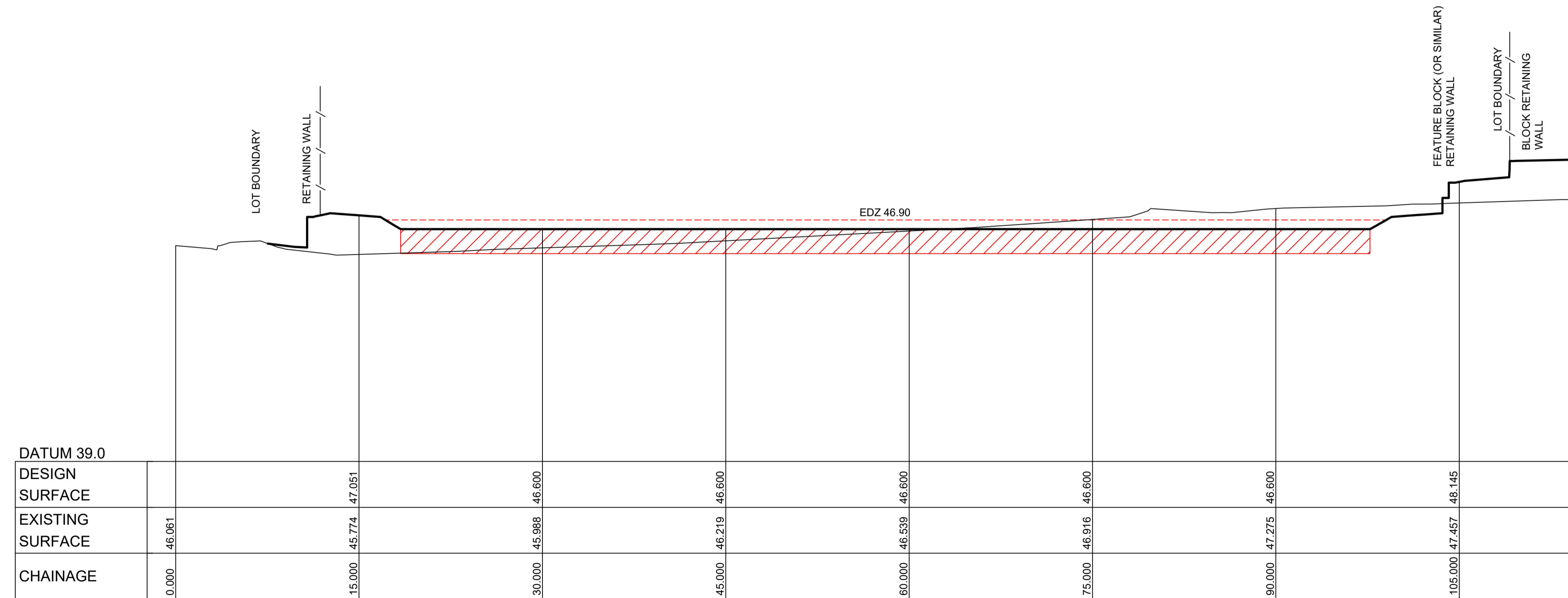
PROJECT No: **110358-401**  
SHEET No: **DA401**

AZIMUTH: M.G.A. 94    DATUM: A.H.D.    ORIGIN:    PLAN No: **110358-09-DA401**

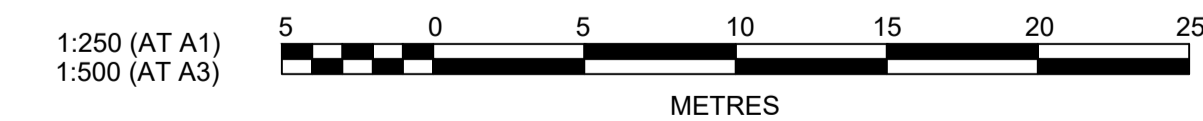
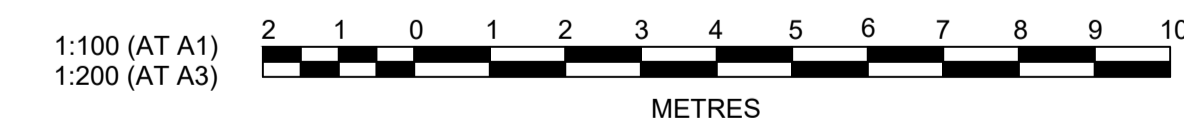
Plotted: 5 November 2021 4:13:35 PM File Name: J:\110358 - OConnell Lane Caddens\09 - Masterplanning\CD\DA\110358-09-DA402.dwg



SECTION D  
SCALE H 1:250  
V 1:100



SECTION C  
SCALE H 1:250  
V 1:100



AMENDMENT	DES	DRN	CKD	APR	DATE
2	GA	JM	MS	DJ	03/11/21
1	GA	JM	MS	DJ	22/10/21

**J. WYNDHAM PRINCE**  
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750  
P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au



STATUS: **ISSUE FOR DA APPROVAL**  
**NOT FOR CONSTRUCTION**  
THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

CADDENS HILL  
STAGE 8 - 10  
BASIN SECTIONS SHEET 2

PROJECT No: 110358-09  
SHEET No: DA402

PLAN No: 110358-09-DA402

PROJECT No: 110358-09  
SHEET No: DA402

AZIMUTH: M.G.A. 94 DATUM: A.H.D. ORIGIN: PLAN No: 110358-09-DA402 2