

BONNYRIGG LIVING COMMUNITIES PROJECT

DEVELOPMENT APPLICATION - STAGES 1 & 2

PROPOSED STORMWATER, LOT & ROADWORKS



LOCALITY SKETCH

Prepared By:

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

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Plotted: 30 September, 2022 11:56:32 AM File Name: L:\110670 - Bonnyrigg\02 - Bonnyrigg\02 - Stage 8 To 11\ICDDA\110670-02-DA002.dwg

LEGEND			
DESCRIPTION	PROPOSED	EXISTING	FUTURE
EXTENT OF WORKS	//////////		
STAGE BOUNDARY	■■■■■■■■■■		
KERB & GUTTER	KG	=====	-----
ROLL KERB	RK	=====	-----
KERB ONLY	KO		-----
FLUSH KERB	FK		
PRAM RAMP			
DRAINAGE LINE, PIT & EASEMENT			
DRAINAGE LINE & PIT			
HEADWALL			
GPT	GPT		
CONCRETE DRIVEWAY WITH VEHICULAR CROSSING			
CONTOURS	---46.0---	---47.0---	
ELECTRICITY, POWER POLE	—E—E—E—E—	—eE—eE—eE—	
TELECOM, BOX	—T—T—T—T—	—eT—eT—eT—eT—	
WATER, STOP VALVE, HYDRANT	—W—W—W—W—	—eW—eW—eW—eW—	
SEWER, MANHOLE	—S—S—S—S—	—eS—eS—eS—eS—	
GAS	—G—G—G—G—	—eG—eG—eG—eG—	
TREES TO BE RETAINED			
TREES TO BE REMOVED			
PROPOSED LOT			
PROPOSED ROAD PAVEMENT			
LOTS NOT PART OF APPLICATION			
EXISTING ROAD PAVEMENT TO BE ASSESSED AND RECONSTRUCTED			
EXISTING ROAD TO BE REMOVED			
MASONRY RETAINING WALL 0.0 - 0.9m HIGH			
MASONRY RETAINING WALL 0.9- 1.5m HIGH			
ELECTRICAL PAD MOUNT LOCATION			

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:

a) INTER ALLOTMENT DRAINS (I.A.D)
UP TO 225mm DIAMETER - 1.0m WIDE EASEMENT (SUBJECT TO PIT AND ADJACENT RETAINING WALLS)
UP TO 300mm DIAMETER - 1.5m WIDE EASEMENT (SUBJECT TO PIT AND ADJACENT RETAINING WALLS)

b) ALL OTHER DRAINS - REFER TO COUNCIL'S STORMWATER MANAGEMENT POLICY.

SURVEYED BY:
PREMISE
CAD REFERENCE: 320161_Base_200707.dwg
DATE RECEIVED 07/07/20

PREMISE
CAD REFERENCE: 320161 DETAIL MASTER V1 13_07_2020.dwg
DATE RECEIVED 13/07/20

PREMISE
CAD REFERENCE: 320161 DETAIL MASTER V3 23_07_2020.dwg
DATE RECEIVED 22/07/20

PREMISE
CAD REFERENCE: 320161 DETAIL MASTER V4 30_07_2020.dwg
DATE RECEIVED 30/07/20

PREMISE
CAD REFERENCE: 320161 DETAIL MASTER V5 05_08_2020.dwg
DATE RECEIVED 05/08/20



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

CIVIL PLAN INDEX

PLAN NO.	JOB_DESCRIP_3 JOB_DESCRIP_4	REV
110670-02-DA001	COVER SHEET	C
110670-02-DA002	INDEX, LEGEND & GENERAL NOTES	G
110670-02-DA003	OVERALL SITE PLAN	D
110670-02-DA004	TYPICAL SECTIONS SHEET 1	C
110670-02-DA005	TYPICAL SECTIONS SHEET 2	C
-		
110670-02-DA010	CUT & FILL PLAN	C
110670-02-DA011	SITE SECTIONS SHEET 1	D
110670-02-DA012	SITE SECTIONS SHEET 2	E
110670-02-DA013	SITE SECTIONS SHEET 3	B
-		
110670-02-DA021	ENGINEERING PLAN SHEET 1	D
110670-02-DA022	ENGINEERING PLAN SHEET 2	D
110670-02-DA023	ENGINEERING PLAN SHEET 3	F
110670-02-DA024	ENGINEERING PLAN SHEET 4	F
-		
110670-02-DA101	ROAD LONGITUDINAL SECTIONS SHEET 1	B
110670-02-DA102	ROAD LONGITUDINAL SECTIONS SHEET 2	B
110670-02-DA103	ROAD LONGITUDINAL SECTIONS SHEET 3	B
110670-02-DA104	ROAD LONGITUDINAL SECTIONS SHEET 4	B
110670-02-DA105	ROAD LONGITUDINAL SECTIONS SHEET 5	B
110670-02-DA106	ROAD LONGITUDINAL SECTIONS SHEET 6	B
-		
110670-02-DA401	CATCHMENT PLAN SHEET 1	C
110670-02-DA402	CATCHMENT PLAN SHEET 2	C
110670-02-DA403	CATCHMENT PLAN SHEET 3	E
110670-02-DA404	CATCHMENT PLAN SHEET 4	G
110670-02-DA420	DRAINAGE LONGITUDINAL SECTIONS SHEET 1	D
110670-02-DA421	DRAINAGE LONGITUDINAL SECTIONS SHEET 2	C
110670-02-DA422	DRAINAGE LONGITUDINAL SECTIONS SHEET 3	D
110670-02-DA423	DRAINAGE LONGITUDINAL SECTIONS SHEET 4	C
110670-02-DA424	DRAINAGE LONGITUDINAL SECTIONS SHEET 5	C
110670-02-DA425	DRAINAGE LONGITUDINAL SECTIONS SHEET 6	C
110670-02-DA426	DRAINAGE LONGITUDINAL SECTIONS SHEET 7	C
110670-02-DA427	DRAINAGE LONGITUDINAL SECTIONS SHEET 8	D
110670-02-DA428	DRAINAGE LONGITUDINAL SECTIONS SHEET 9	C
110670-02-DA429	DRAINAGE LONGITUDINAL SECTIONS SHEET 10	C
110670-02-DA430	DRAINAGE LONGITUDINAL SECTIONS SHEET 11	C
110670-02-DA431	DRAINAGE LONGITUDINAL SECTIONS SHEET 12	C
110670-02-DA432	DRAINAGE LONGITUDINAL SECTIONS SHEET 13	C
110670-02-DA433	DRAINAGE LONGITUDINAL SECTIONS SHEET 14	D
110670-02-DA434	DRAINAGE LONGITUDINAL SECTIONS SHEET 15	D
110670-02-DA435	DRAINAGE LONGITUDINAL SECTIONS SHEET 16	C
110670-02-DA436	DRAINAGE LONGITUDINAL SECTIONS SHEET 17	D
110670-02-DA437	DRAINAGE LONGITUDINAL SECTIONS SHEET 18	C
-		
110670-02-DA500	TREE RETENTION PLAN	E
-		
110670-02-DA700	SOIL & WATER MANAGEMENT CALCULATIONS NOTES AND DETAILS	B
110670-02-DA701	SOIL & WATER MANAGEMENT PLAN SHEET 1	D
110670-02-DA702	SOIL & WATER MANAGEMENT PLAN SHEET 2	C
110670-02-DA703	SOIL & WATER MANAGEMENT PLAN SHEET 3	E
110670-02-DA704	SOIL & WATER MANAGEMENT PLAN SHEET 4	E
-		
110670-02-DA800	TURNING PATH PLAN SHEET 1	C
110670-02-DA801	TURNING PATH PLAN SHEET 2	D

G	INDEX UPDATED	GA	GA	DG	DG	30/09/22
F	INDEX UPDATED	GA	GA	MS	DJ	01/12/21
E	INDEX UPDATED	GA	NM	MS	DJ	19/11/21
D	INDEX UPDATED	GA	GA	JB	MS	14/10/21
C	INDEX UPDATED	GA	JM	DJ	DJ	01/09/21
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20
	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:

Land & Housing Corporation

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.

BONNYRIGG LIVING COMMUNITIES PROJECT

STAGES 1 & 2

INDEX, LEGEND & GENERAL NOTES

PROJECT No:

110670

SHEET No:

DA002

AZIMUTH: M.G.A.

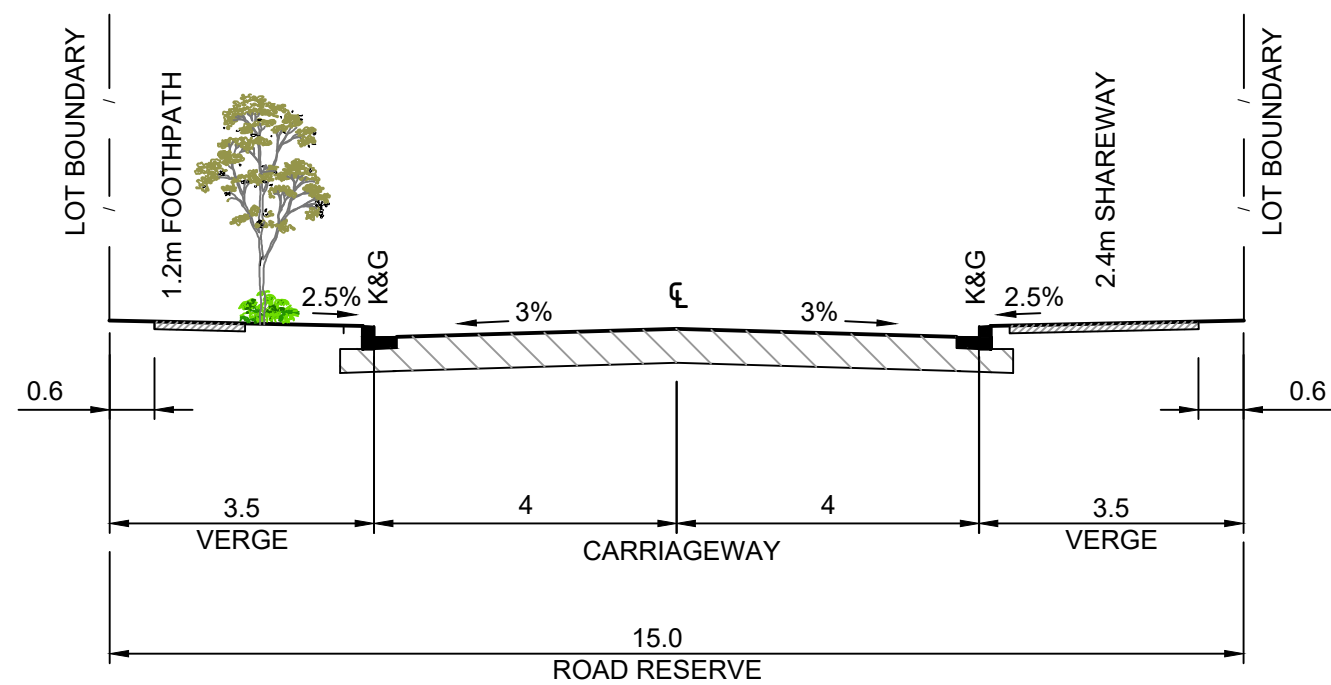
DATUM: A.H.D.

ORIGIN:

PLAN No: 110670-02-DA002

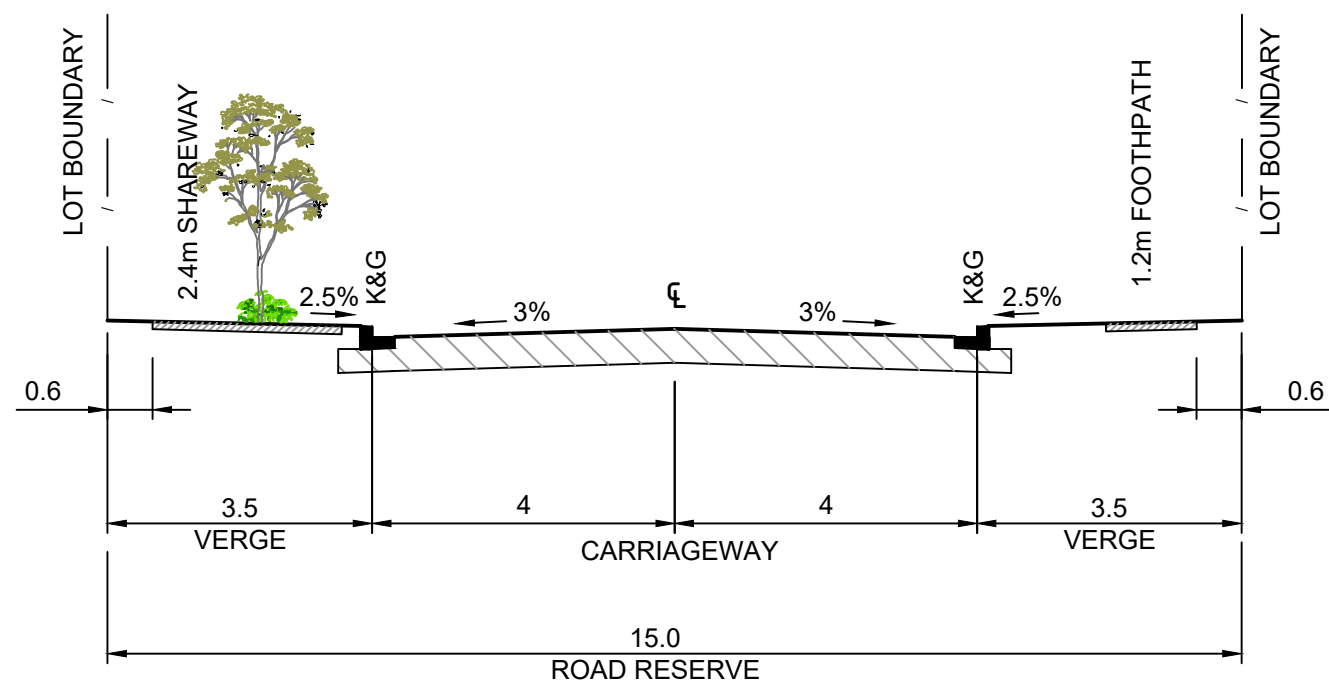
G

★ REFER TO ENGINEERING PLANS FOR
LOCATION OF KERB AND GUTTER TO
BE CONSTRUCTED

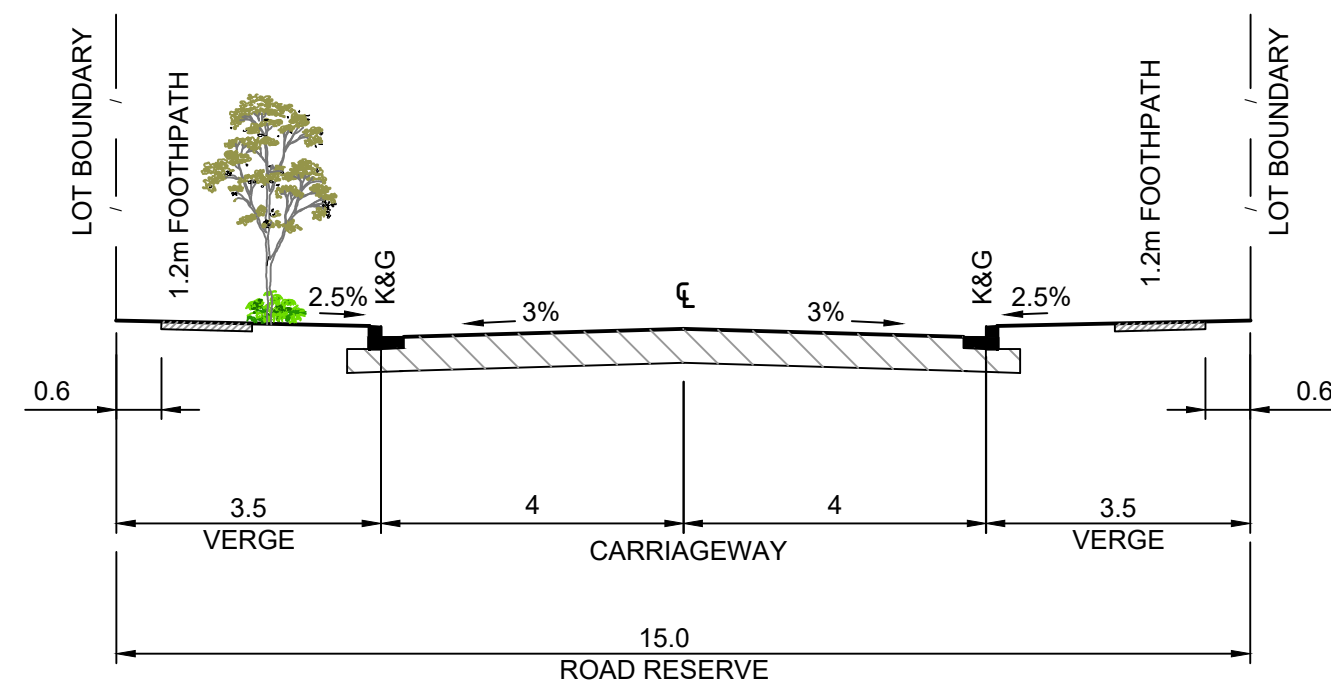


TYPICAL CROSS SECTION
BEAN CRES (CH27.58 - CH362.36)
BISHOP CRES (CH440.45 - END)

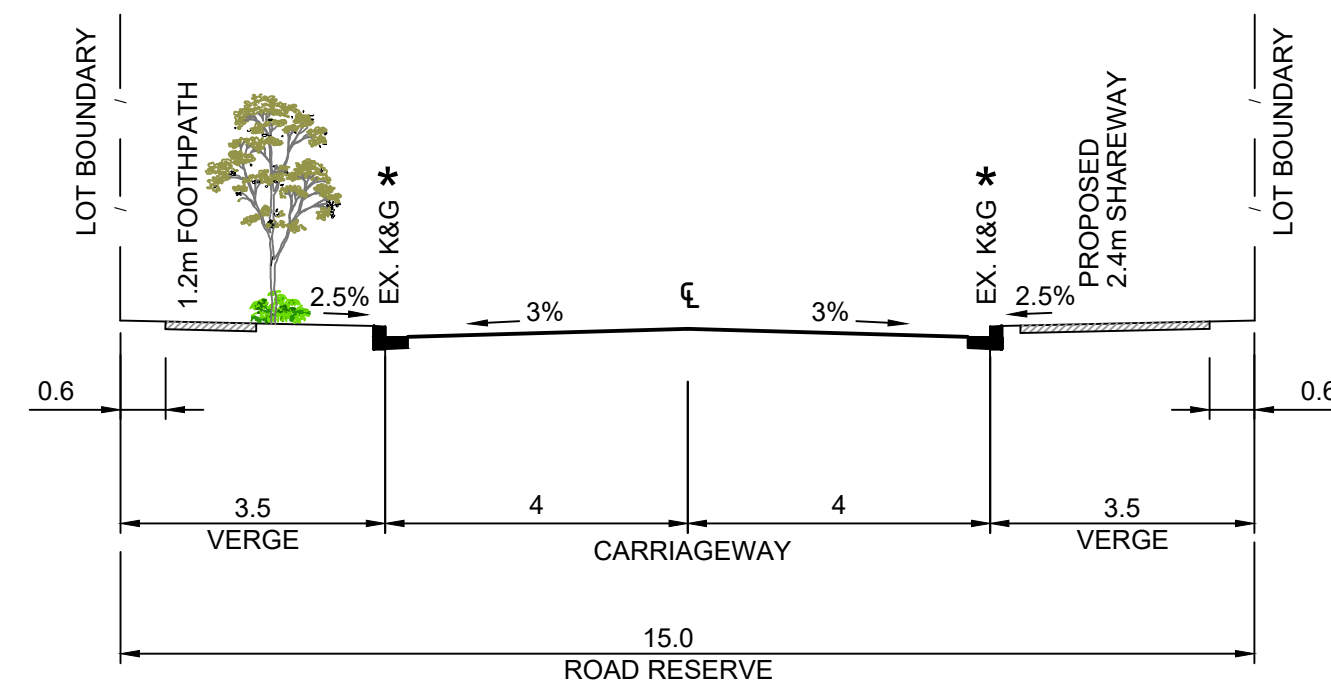
SCALE 1:100 NATURAL



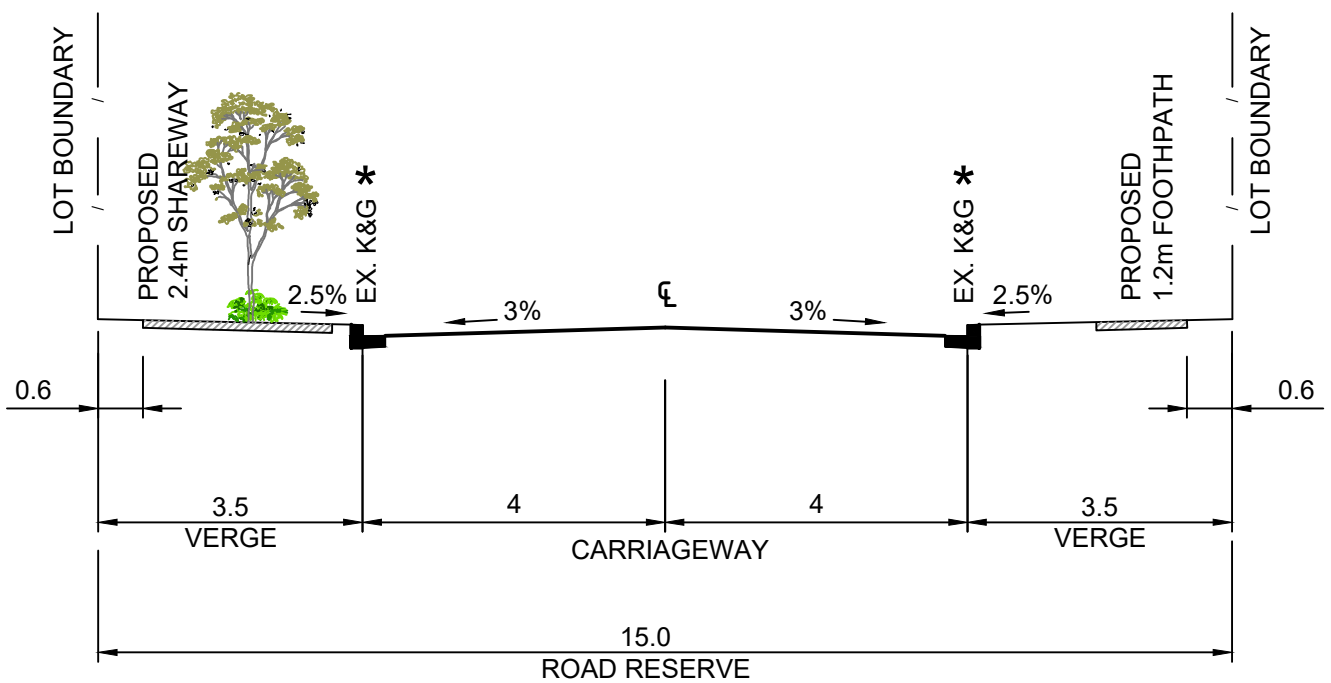
TYPICAL CROSS SECTION
PALISADE CRES (CH0.00 - CH80.00)
SCALE 1:100 NATURAL



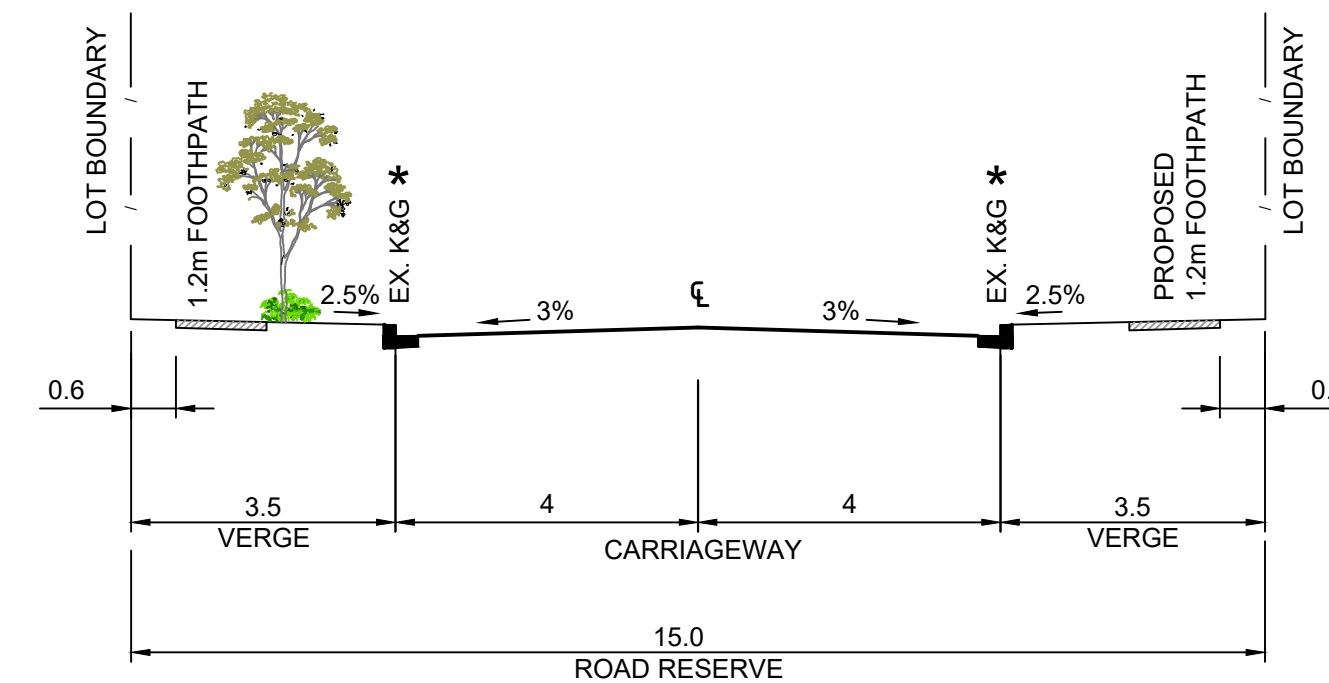
TYPICAL CROSS SECTION
GARDEN ST (CH0.00 - CH203.26)
JOINER ST (CH0.00 - CH191.32)
ROAD No.2 (CH5.05 - 82.27)
SANDILANDS RD (CH45.00 - CH178.92)
BISHOP CRES (CH0.00 - CH146.01 & CH353.68 - CH440.45)
SCALE 1:100 NATURAL



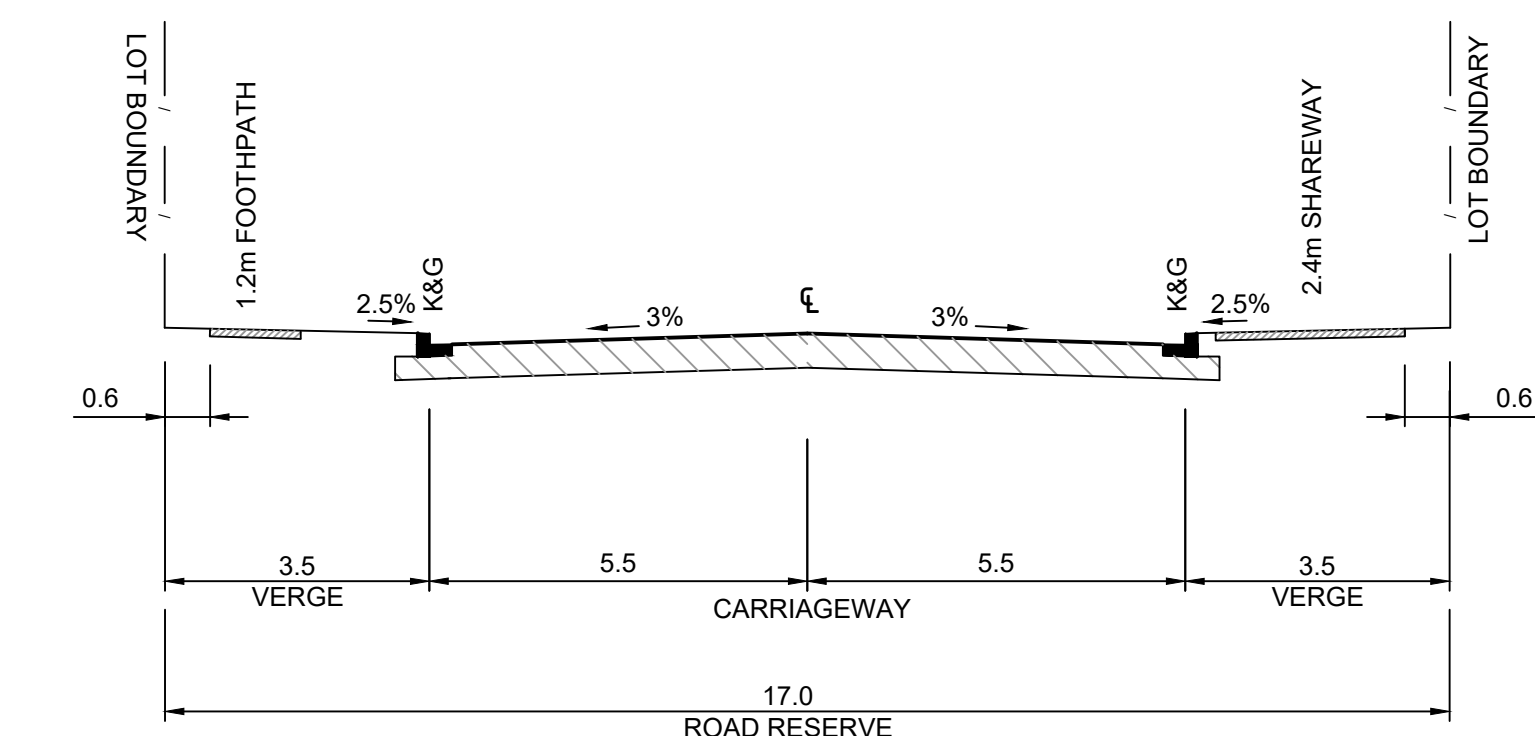
TYPICAL CROSS SECTION RESURFACE
BEAN CRES (CH9.60 - CH27.58)
SCALE 1:100 NATURAL



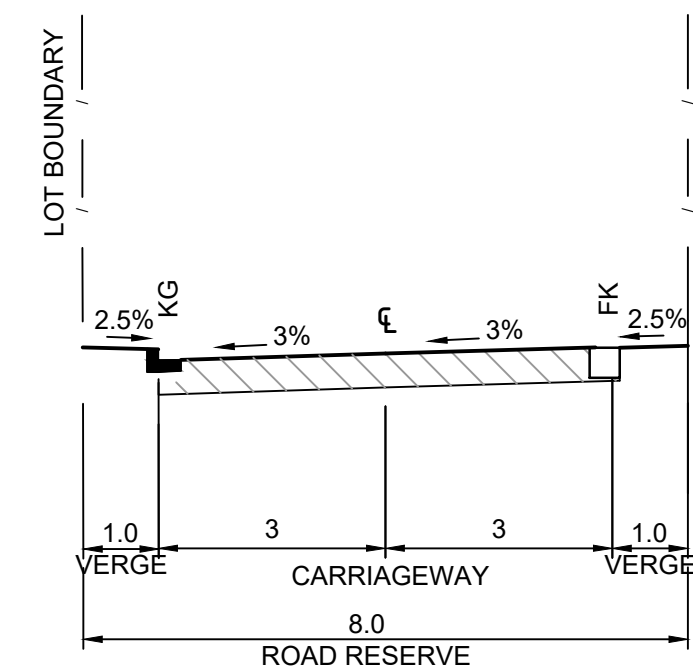
TYPICAL CROSS SECTION RESURFACE
PALISADE CRES (CH80.00 - CH188.32)
SCALE 1:100 NATURAL



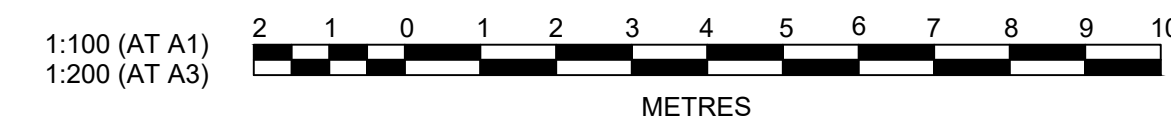
TYPICAL CROSS SECTION RESURFACE
SANDILANDS RD (CH0.00 - CH45.00)
BISHOP CRES (CH146.01 - CH353.68)
SCALE 1:100 NATURAL



TYPICAL CROSS SECTION
NEWLEAF PDE (CH5.53-CH125)
SCALE 1:100 NATURAL



TYPICAL CROSS SECTION
LANE 1
SCALE 1:100 NATURAL



Plotted: 1 December 2021 8:09:28 AM File Name: J:\110670 - Bonnyrigg\02 - Stage 8 To 11\CD\DA\110670-02-DA004.dwg

C	SHAREWAY AMENDED	GA	GA	JB	MS	14/10/21
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20
	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:

 **Land & Housing Corporation**

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.

BONNYRIGG LIVING COMMUNITIES PROJECT
STAGES 1 & 2
TYPICAL SECTIONS
SHEET 1

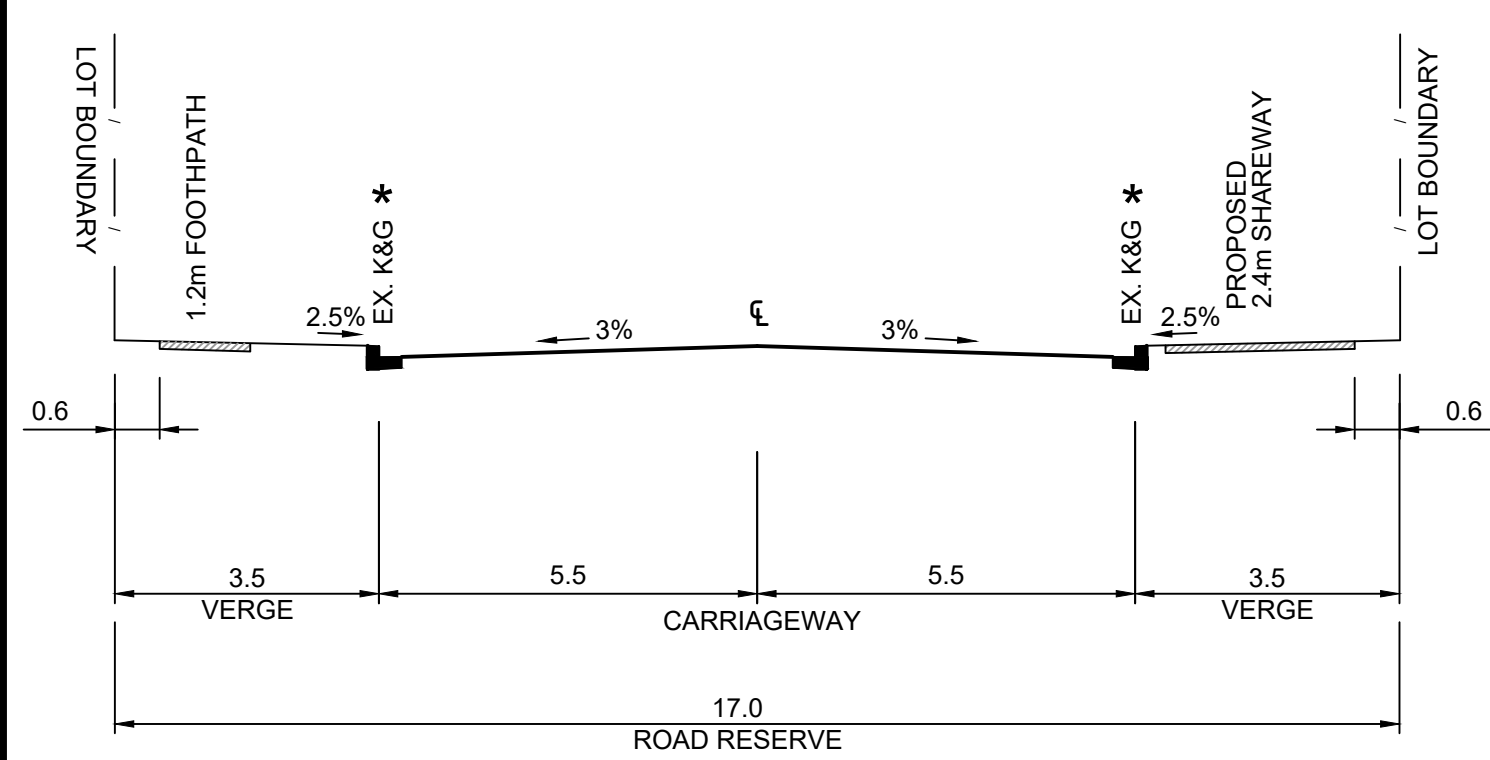
AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: PLAN No: 110670-02-DA004

PROJECT No:
110670

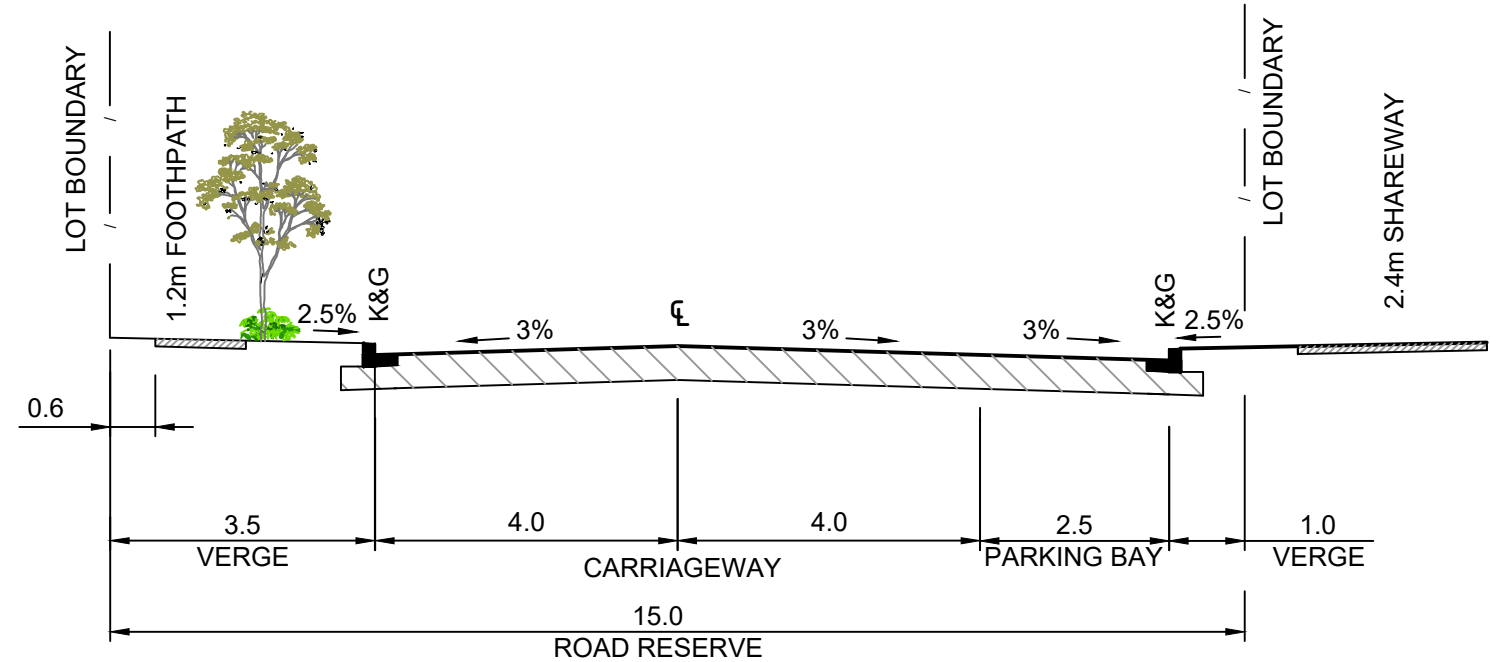
SHEET No:
DA004

C

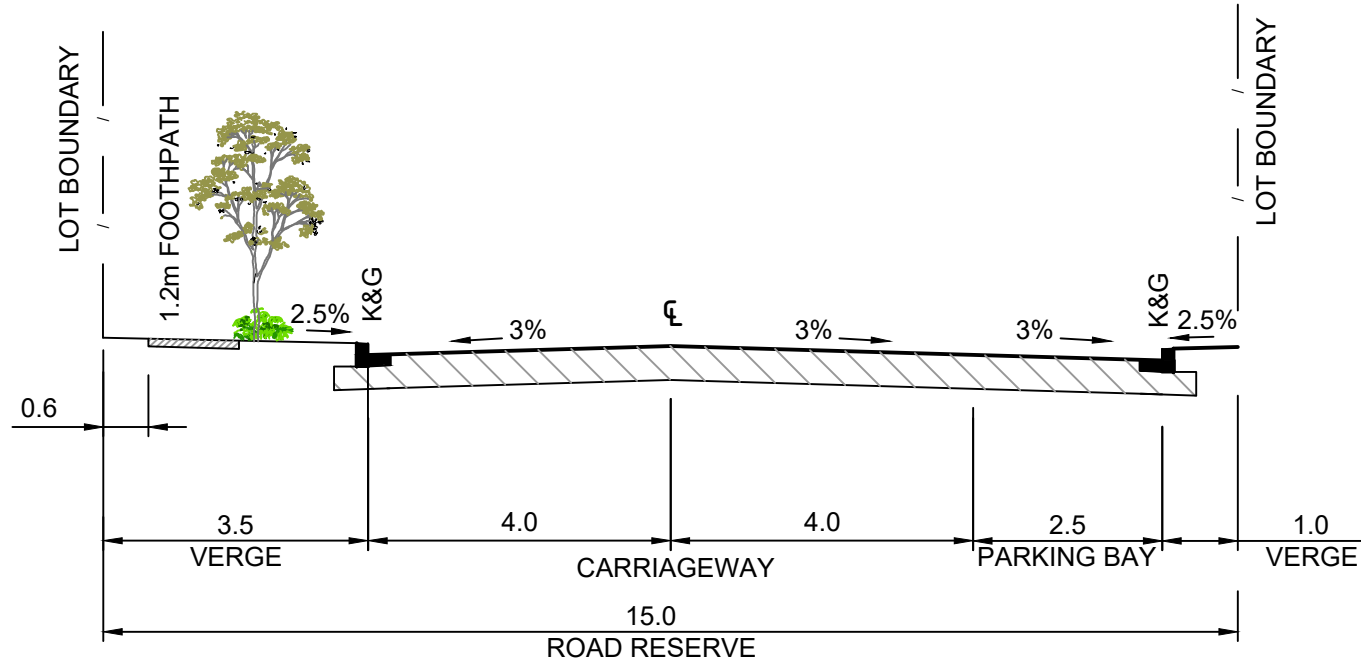
★ REFER TO ENGINEERING PLANS FOR LOCATION OF KERB AND GUTTER TO BE CONSTRUCTED



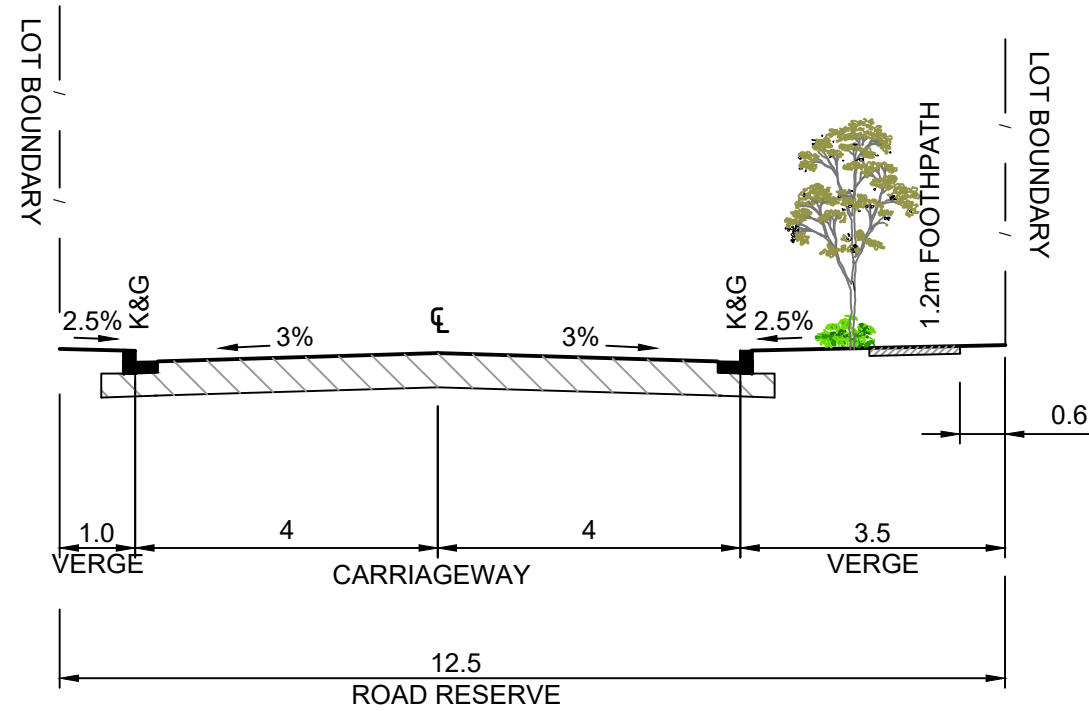
TYPICAL CROSS SECTION RESURFACE
NEWLEAF PDE (CH125 - CH 337.34)
SCALE 1:100 NATURAL



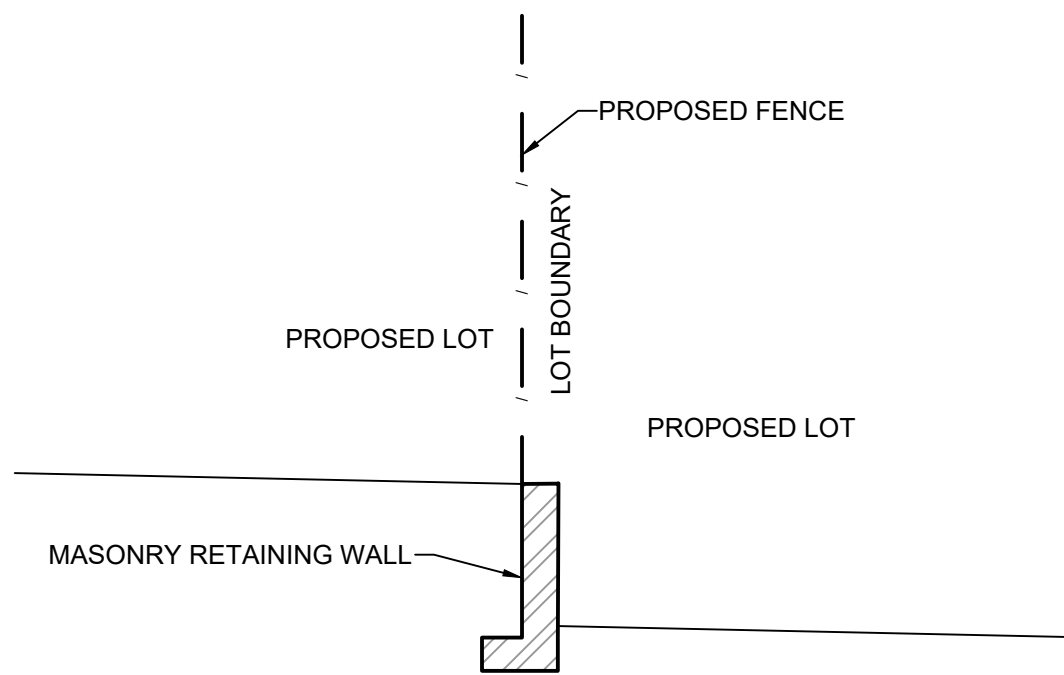
TYPICAL CROSS SECTION
BEAN CRES (CH54.22 - CH136.06)
SCALE 1:100 NATURAL



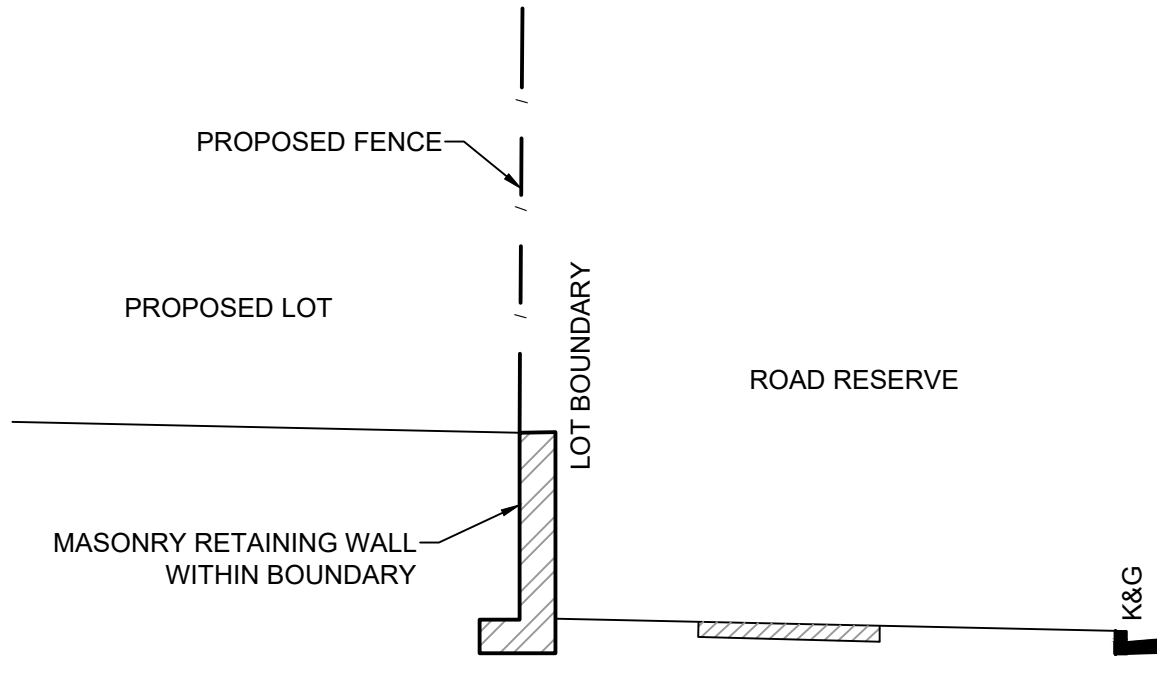
TYPICAL CROSS SECTION
JOINER ST (CH17.79 - CH114.57)
GARDEN ST (CH16.94 - CH86.82)
SCALE 1:100 NATURAL



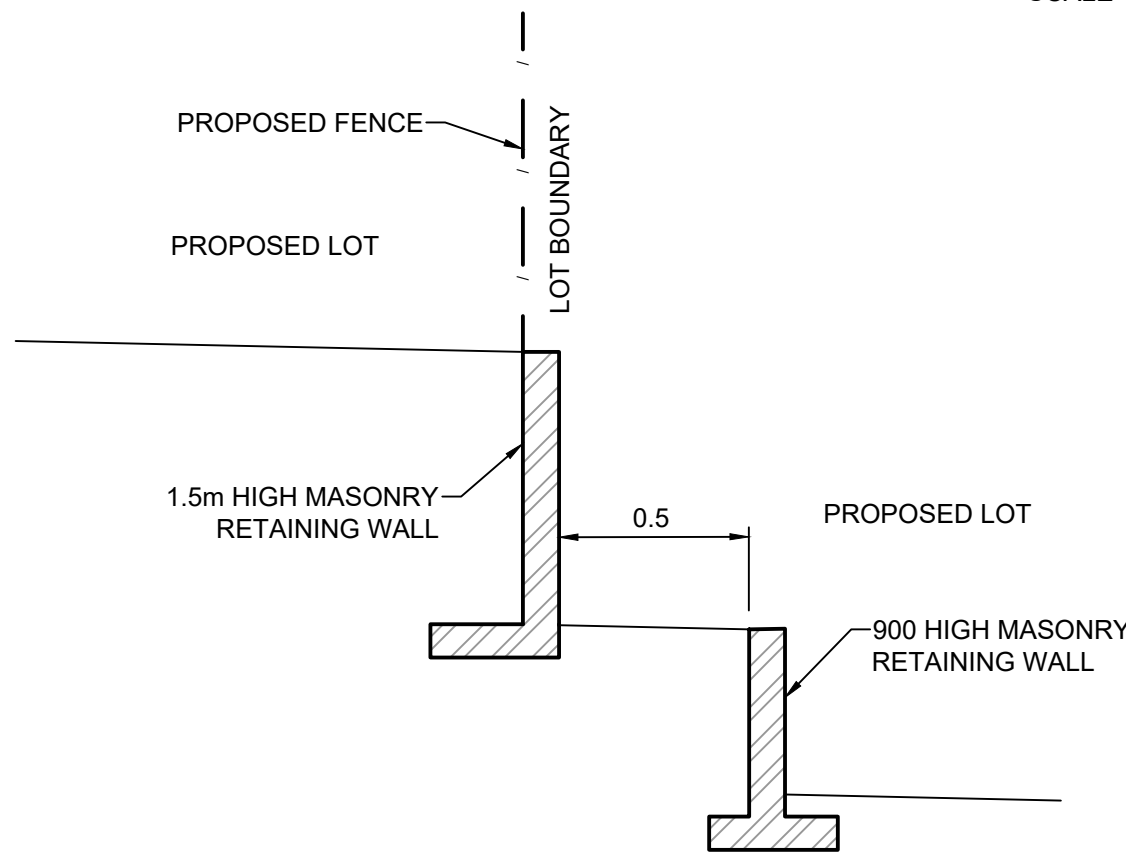
TYPICAL CROSS SECTION
ROAD NO. 1 (CH0 - END)
SCALE 1:100 NATURAL



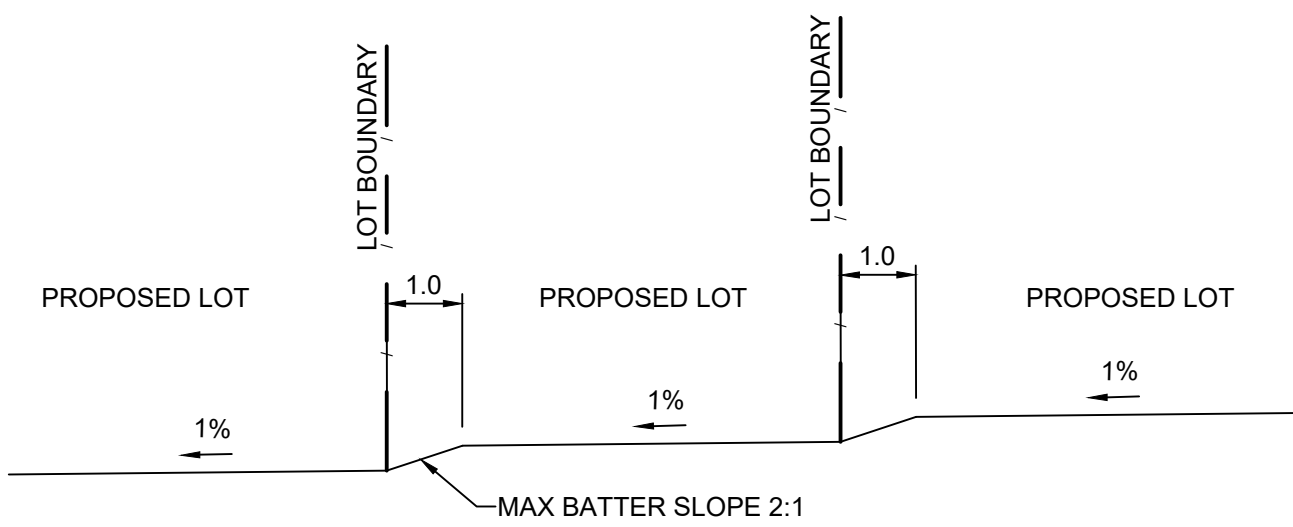
TYPICAL MASONRY RETAINING
WALL SECTION 1
N.T.S.



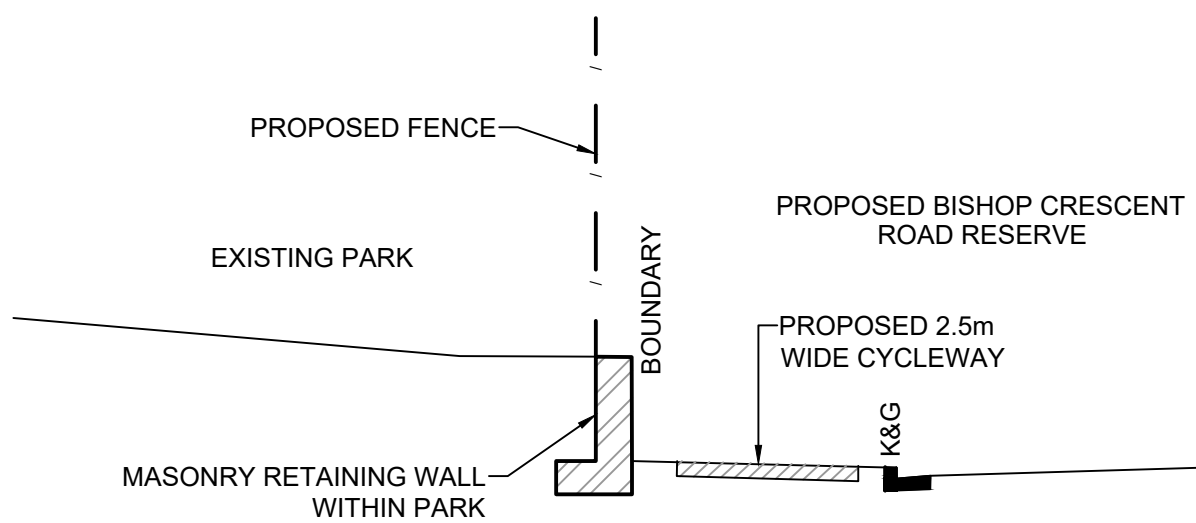
TYPICAL MASONRY RETAINING
WALL SECTION 2
N.T.S.



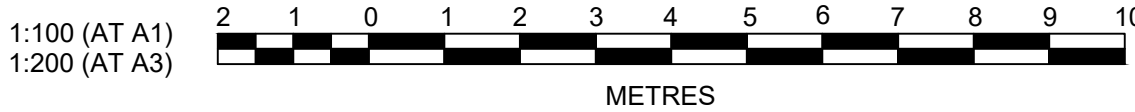
TYPICAL TIERED MASONRY
RETAINING WALL SECTION
N.T.S.



TYPICAL LOT BENCHING
N.T.S.



TYPICAL MASONRY RETAINING
WALL IN PARK
N.T.S.



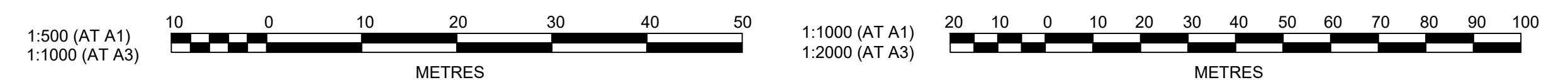
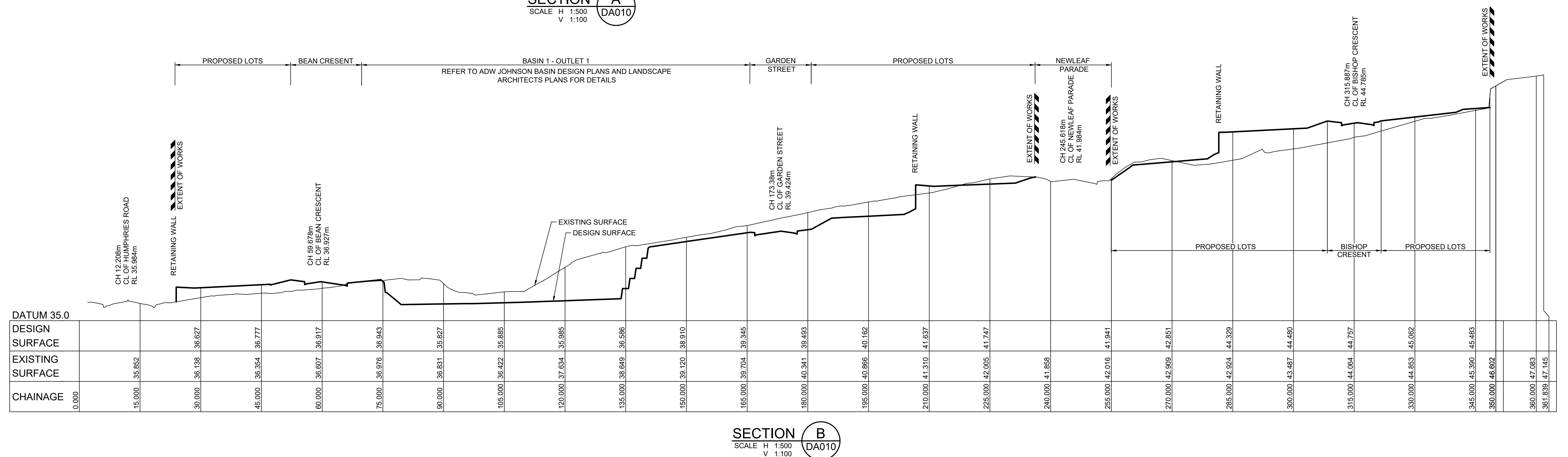
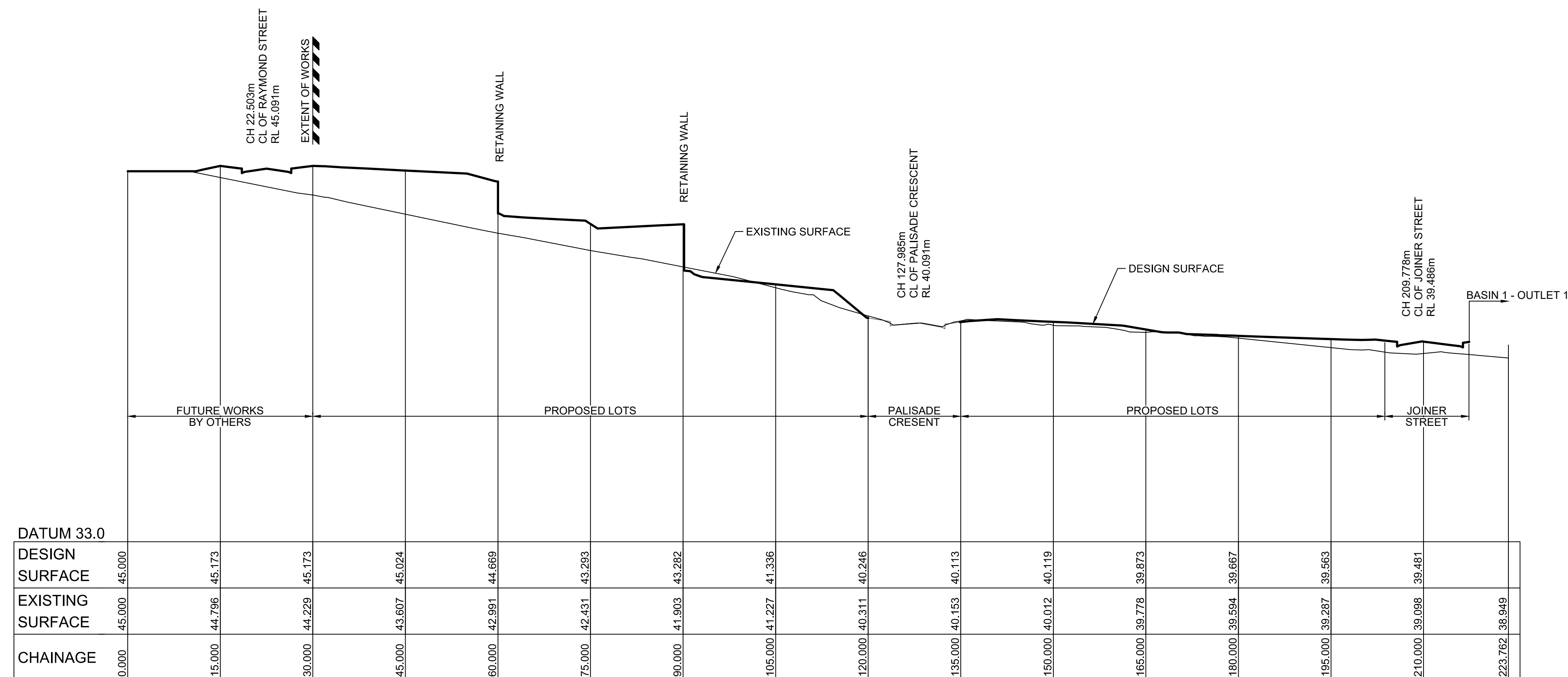
C	SHAREWAY AMENDED	GA	GA	JB	MS	14/10/21
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20
	AMENDMENT	DES	DRN	CKD	APR	DATE

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:
NSW GOVERNMENT
Land & Housing Corporation

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.

BONNYRIGG LIVING COMMUNITIES PROJECT
STAGES 1 & 2
TYPICAL SECTIONS
SHEET 2
PROJECT No: **110670**
SHEET No: **DA005**
AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: PLAN No: **110670-02-DA005** C



D	ISSUE FOR DA APPROVAL	GA	NM	MS	DJ	19/11/2			
C	STORMWATER UPDATED	GA	JM	DJ	DJ	01/09/2			
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20			
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20			
	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:



Land & Housing Corporation

STATUS:

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

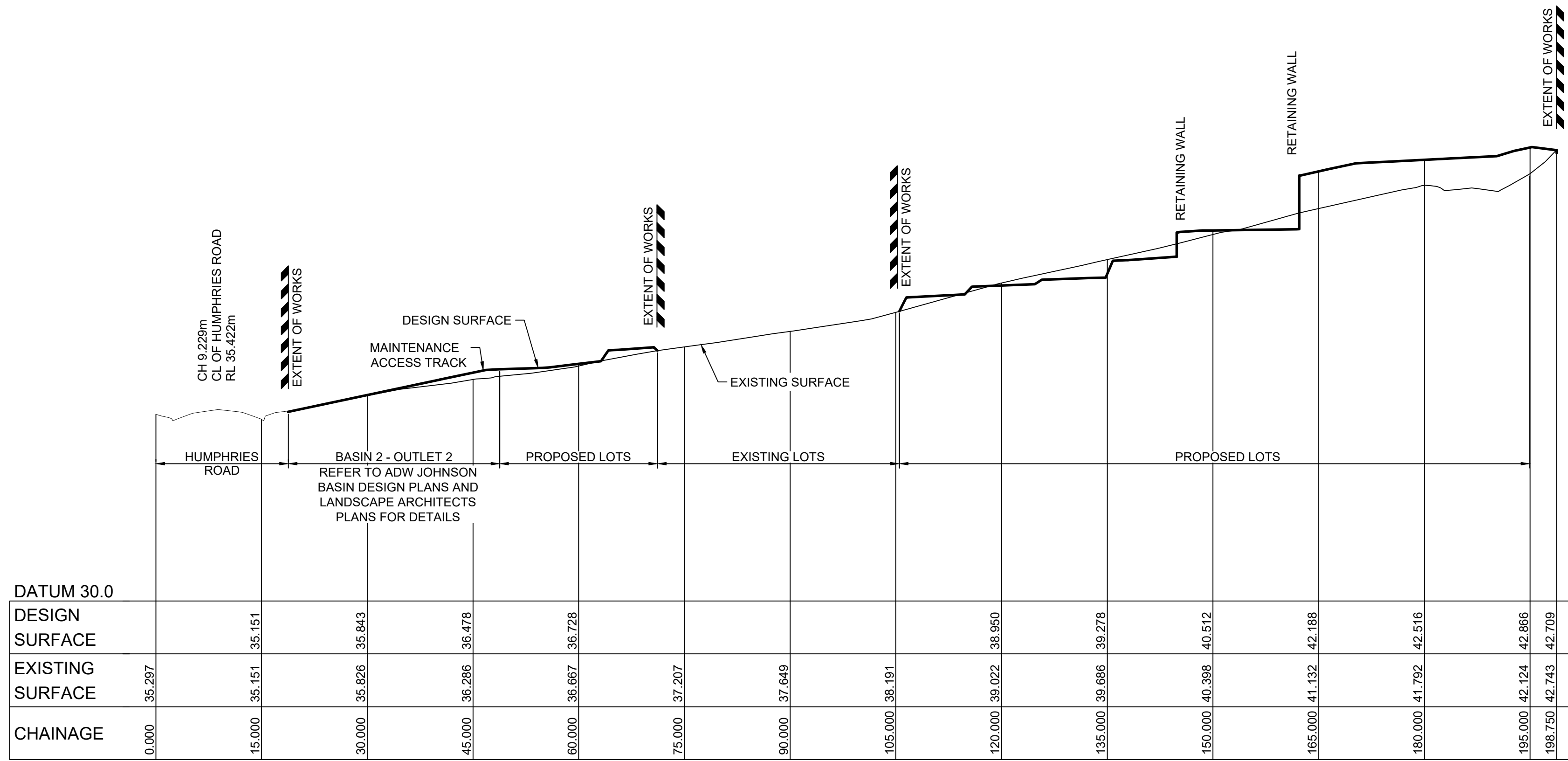
BONNYRIGG LIVING COMMUNITIES PROJECT
STAGES 1 & 2
SITE SECTIONS
SHEET 1

PROJECT No:
110670

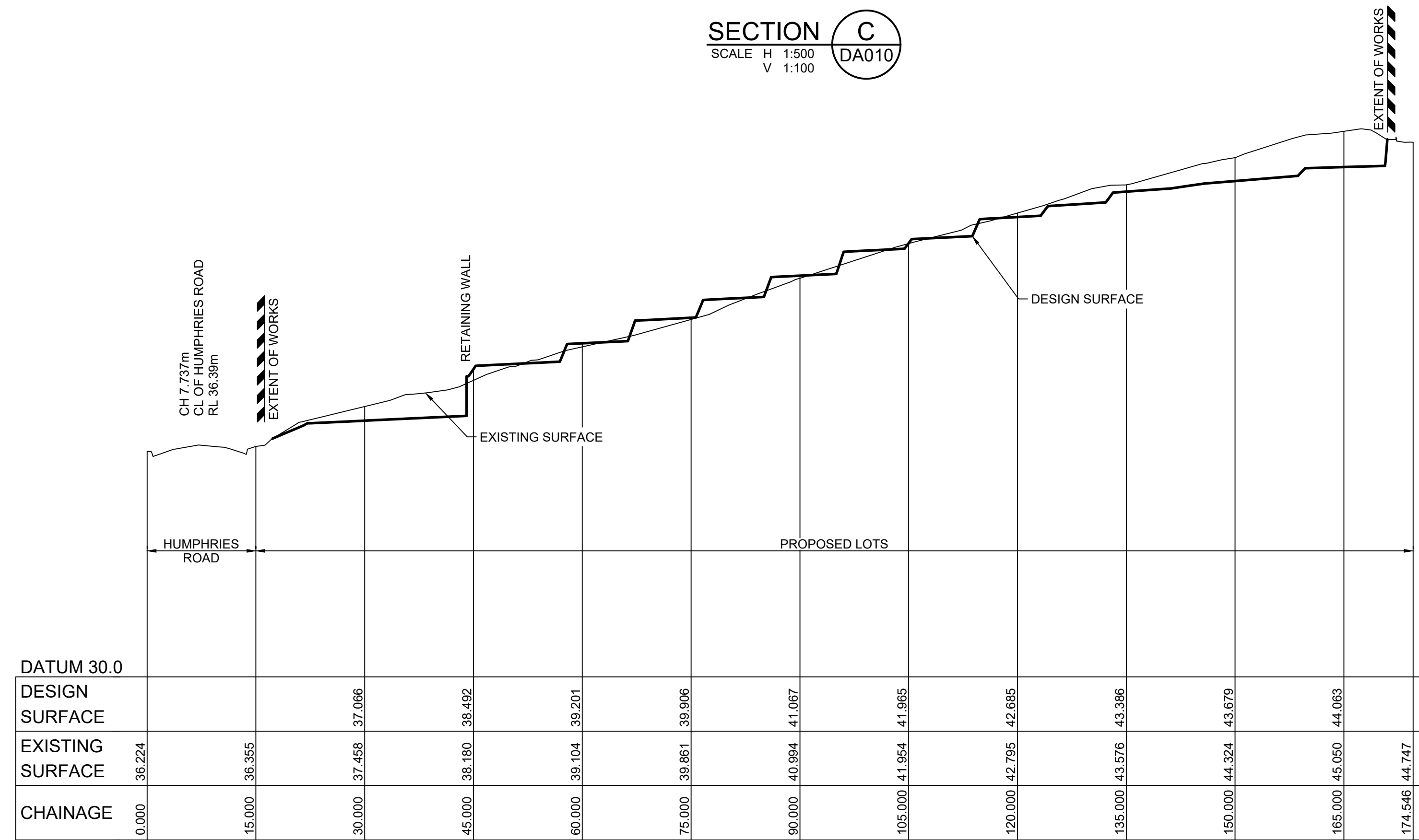
SHEET No:
DA011

AZIMUTH: M.G.A.	DATUM: A.H.D.	ORIGIN:	PLAN No: 110670-02-DA011	D
-----------------	---------------	---------	--------------------------	---

Plotted: 1 December 2021 8:10:10 AM File Name: J:\110670 - Bonnyrigg\02 - Stage 8 To 11\CD\DA\110670-02-DA012.dwg

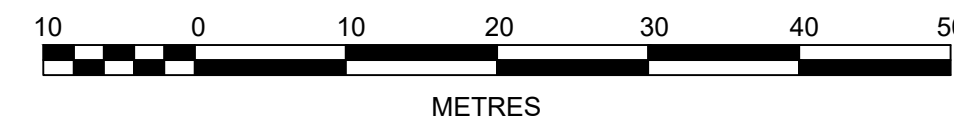


SECTION C
SCALE H 1:500
V 1:100
DA010



SECTION D
SCALE H 1:500
V 1:100
DA010

1:500 (AT A1)
1:1000 (AT A3)



1:1000 (AT A1)
1:2000 (AT A3)



E	ISSUE FOR DA APPROVAL	GA	NM	MS	DJ	19/11/21	
D	BASIN UPDATED	GA	GA	JB	MS	14/10/21	
C	STORMWATER UPDATED	GA	JM	DJ	DJ	01/09/21	
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20	
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20	
	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.

BONNYRIGG LIVING COMMUNITIES PROJECT
STAGES 1 & 2
SITE SECTIONS
SHEET 2

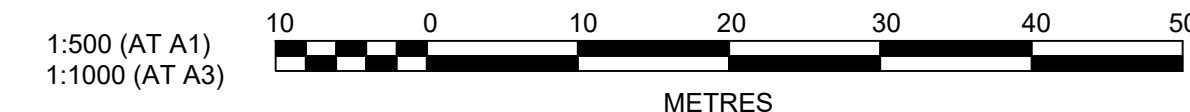
PROJECT No:
110670
SHEET No:
DA012
PLAN No: **110670-02-DA012**
E

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

- NOTE:
1. ALL NEW WORKS TO MAKE SMOOTH CONNECTION TO EXISTING KERB, PAVEMENT AND FOOTPATH.
 2. ALL KERB RETURNS ARE 7.5m RADII UNO.
 3. REFER TO DA005 FOR TYPICAL RETAINING WALL DETAILS.
 4. (A) EASEMENT TO DRAIN WATER
 5. TREES REMOVED ON THIS PLAN FOR CLARITY. REFER TO DA500 FOR TREE RETENTION PLAN & ARBORISTS REPORT
 6. ALL EXISTING STORMWATER PITS AND PIPES THAT DO NOT FORM PART OF THE PROPOSED STORMWATER SYSTEM IS TO BE DEMOLISHED AND DISPOSED OF.
 7. EXISTING SEDIMENT BASIN AT LOTS 65, 255 & 280 TO BE DEMOLISHED.

REFER TO DRAWING DA022 FOR CONTINUATION

REFER TO DRAWING DA023 FOR CONTINUATION



Plotted: 1 December 2021 8:10:59 AM File Name: J:\110670- Bonnyrigg02 - Stage 8 To 11\CD\DA\110670-02-DA021.dwg

D	ISSUE FOR DA APPROVAL	GA	NM	MS	DJ	19/11/21
C	SHAREWAY AMENDED	GA	GA	JB	MS	14/10/21
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20
	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:

Land & Housing Corporation

STATUS:

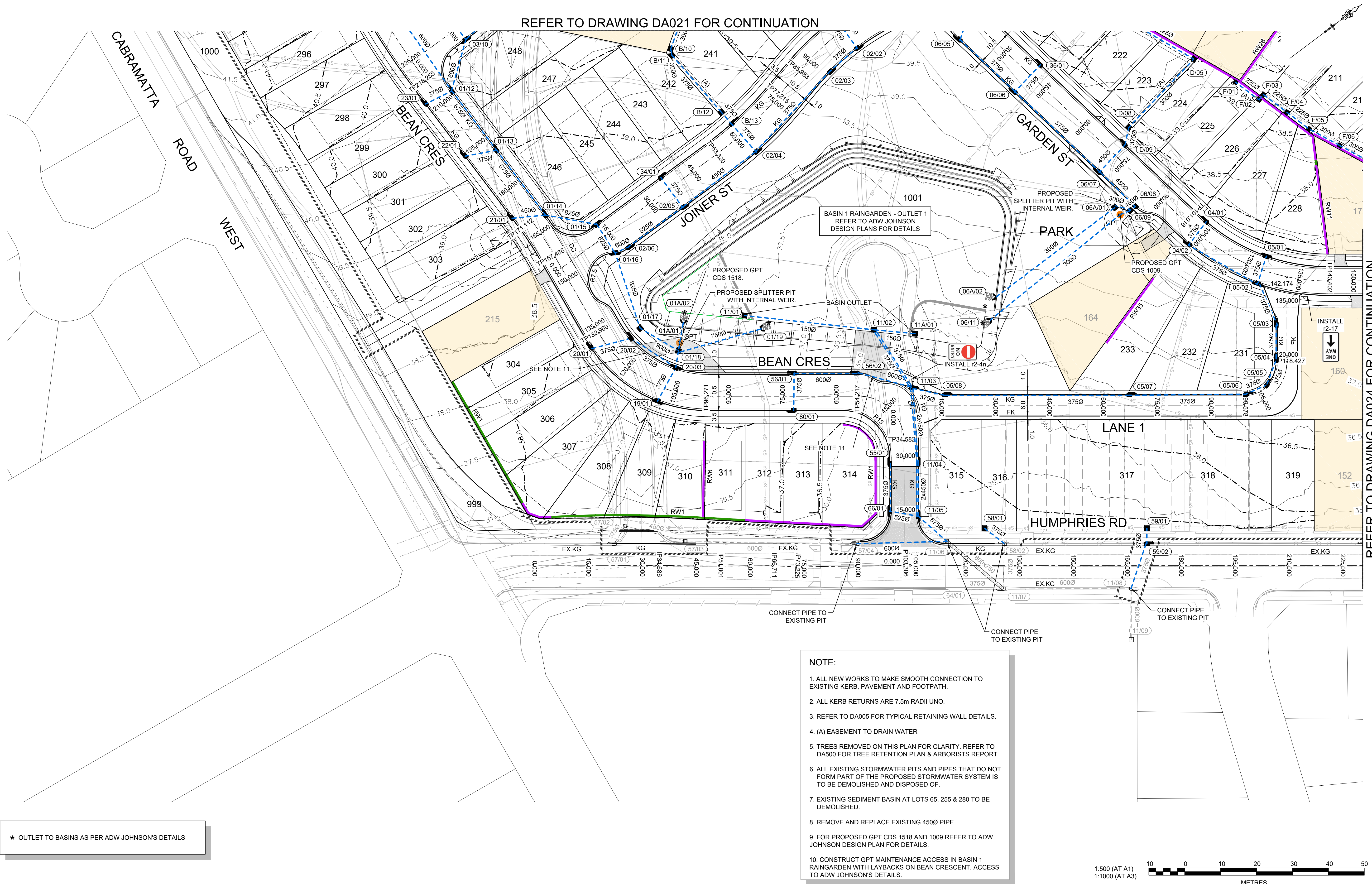
ISSUE FOR DA APPROVAL

NOT FOR CONSTRUCTION

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

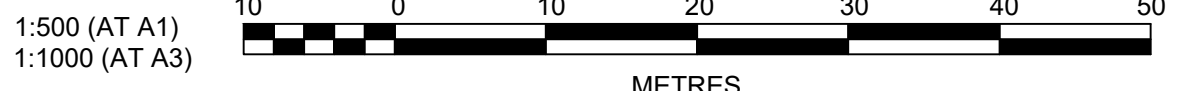
BONNYRIGG LIVING COMMUNITIES PROJECT			PROJECT No: 110670	
STAGES 1 & 2			SHEET No: DA021	
ENGINEERING PLAN				
SHEET 1				
AZIMUTH: M.G.A.	DATUM: A.H.D.	ORIGIN:	PLAN No: 110670-02-DA021	D

REFER TO DRAWING DA021 FOR CONTINUATION



REFER TO DRAWING DA024 FOR CONTINUATION

- NOTE:
1. ALL NEW WORKS TO MAKE SMOOTH CONNECTION TO EXISTING KERB, PAVEMENT AND FOOTPATH.
 2. ALL KERB RETURNS ARE 7.5m RADII UNO.
 3. REFER TO DA005 FOR TYPICAL RETAINING WALL DETAILS.
 4. (A) EASEMENT TO DRAIN WATER
 5. TREES REMOVED ON THIS PLAN FOR CLARITY. REFER TO DA500 FOR TREE RETENTION PLAN & ARBORISTS REPORT
 6. ALL EXISTING STORMWATER PITS AND PIPES THAT DO NOT FORM PART OF THE PROPOSED STORMWATER SYSTEM IS TO BE DEMOLISHED AND DISPOSED OF.
 7. EXISTING SEDIMENT BASIN AT LOTS 65, 255 & 280 TO BE DEMOLISHED.
 8. REMOVE AND REPLACE EXISTING 450Ø PIPE
 9. FOR PROPOSED GPT CDS 1518 AND 1009 REFER TO ADW JOHNSON DESIGN PLAN FOR DETAILS.
 10. CONSTRUCT GPT MAINTENANCE ACCESS IN BASIN 1 RAINGARDEN WITH LAYBACKS ON BEAN CRESCENT. ACCESS TO ADW JOHNSON'S DETAILS.



* OUTLET TO BASINS AS PER ADW JOHNSON'S DETAILS

F	GPT MOVED	GA	GA	MS	DJ	01/12/21			
E	ISSUE FOR DA APPROVAL	GA	NM	MS	DJ	19/11/21			
D	SHAREWAY AMENDED	GA	GA	JB	MS	14/10/21			
C	STORMWATER UPDATED	GA	JM	DJ	DJ	01/09/21			
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20			
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20			
	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:

 **Land & Housing Corporation**

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.

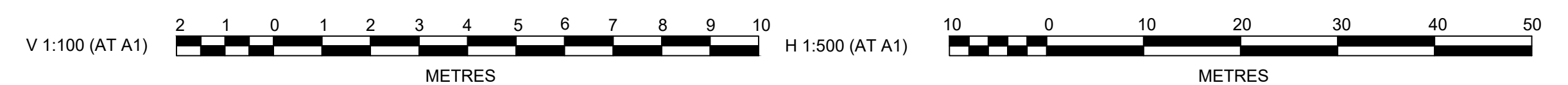
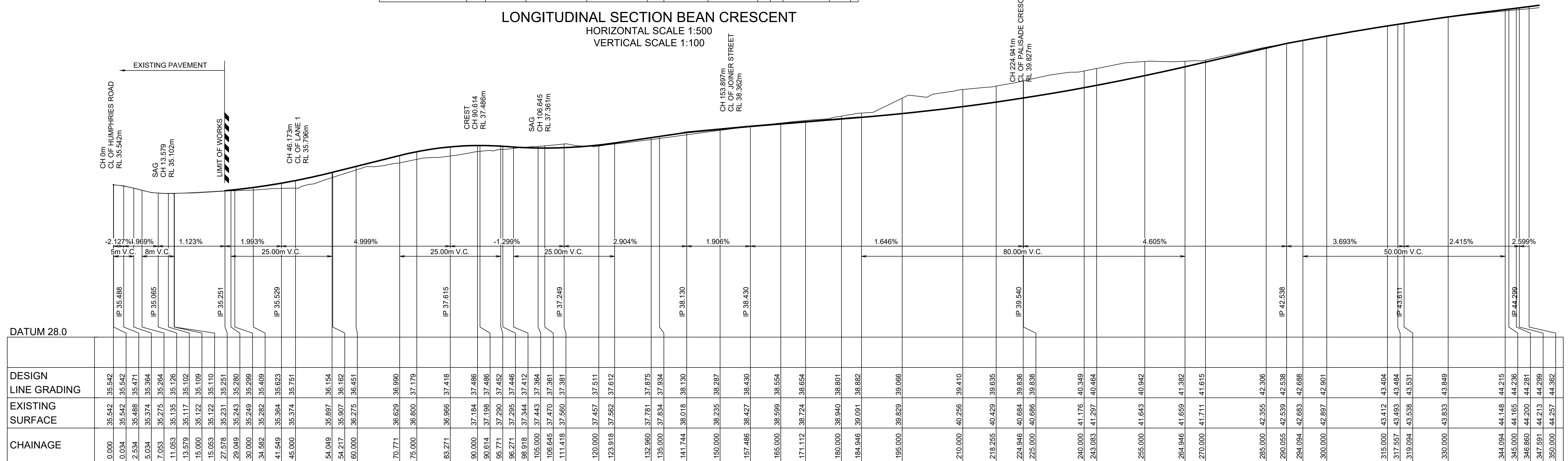
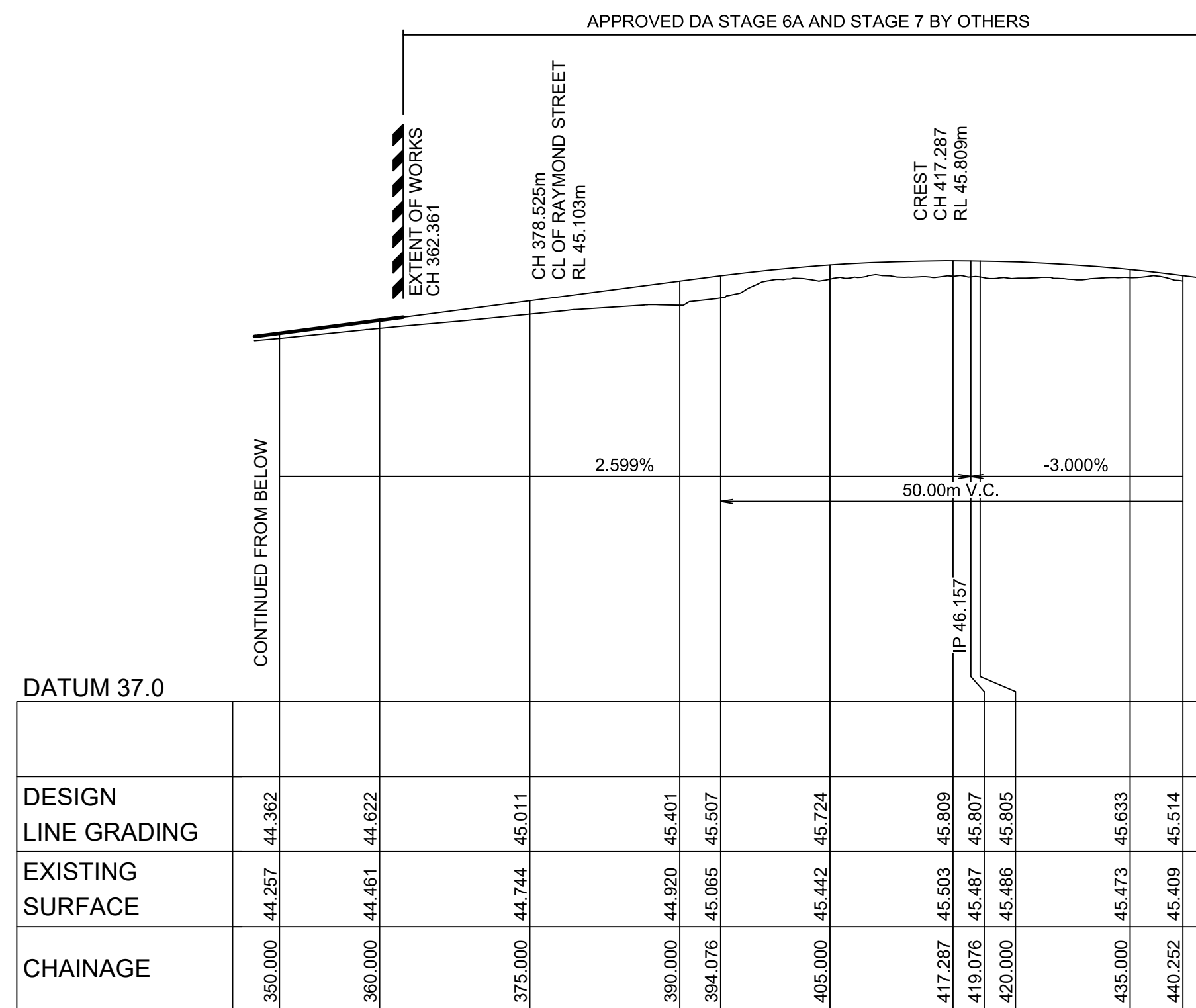
BONNYRIGG LIVING COMMUNITIES PROJECT
STAGES 1 & 2
ENGINEERING PLAN
SHEET 3

AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: PLAN No: 110670-02-DA023

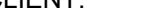
PROJECT No:
110670

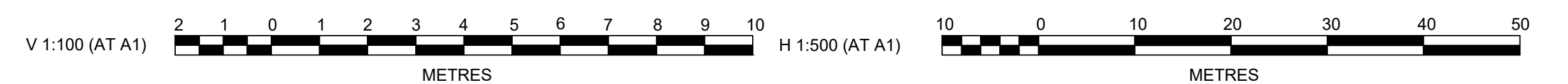
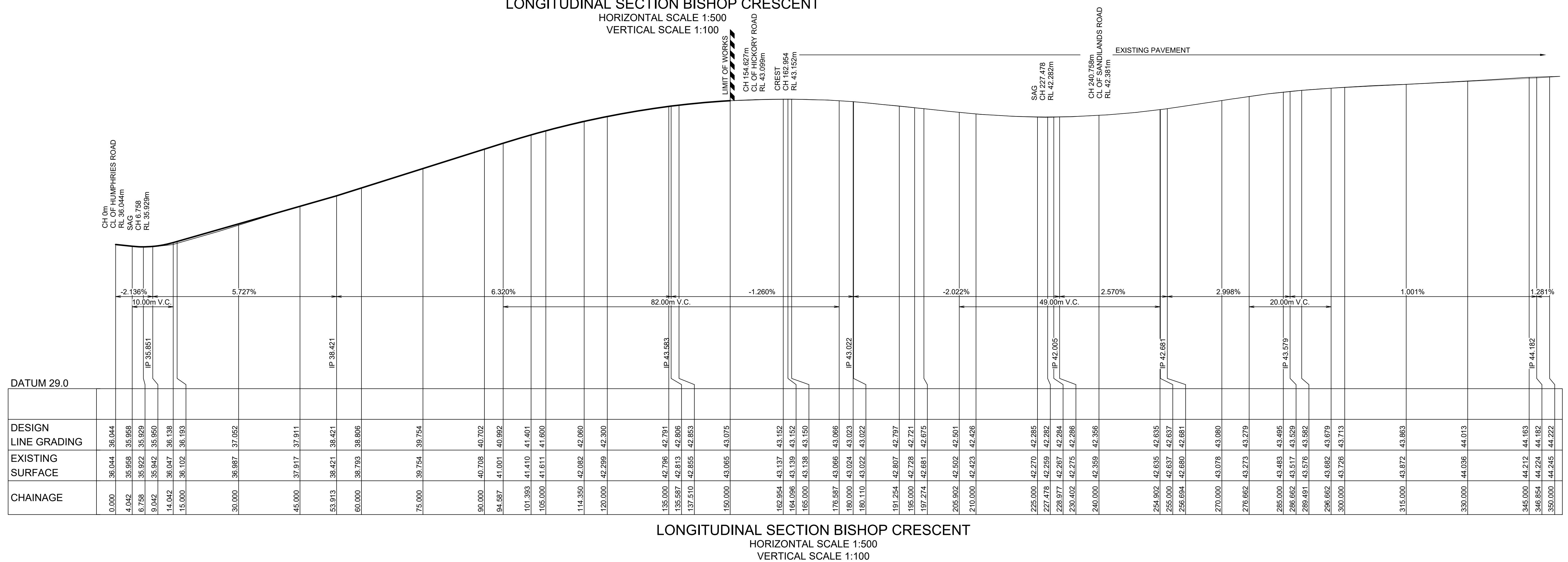
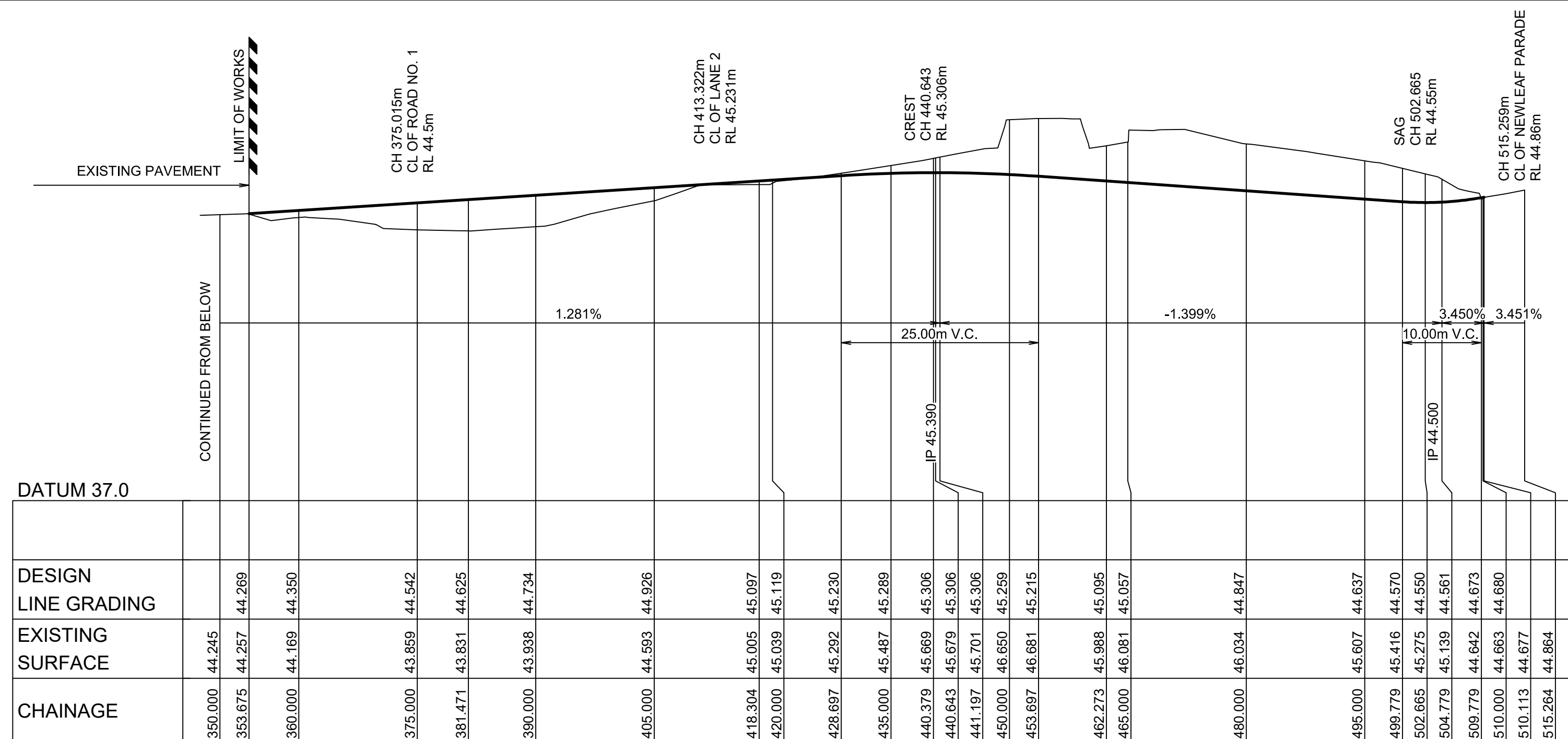
SHEET No:
DA023

F



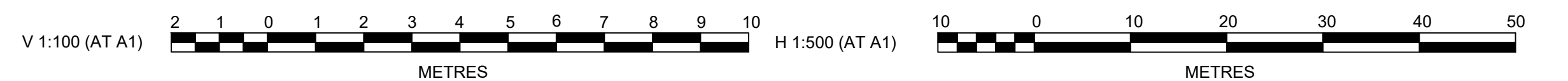
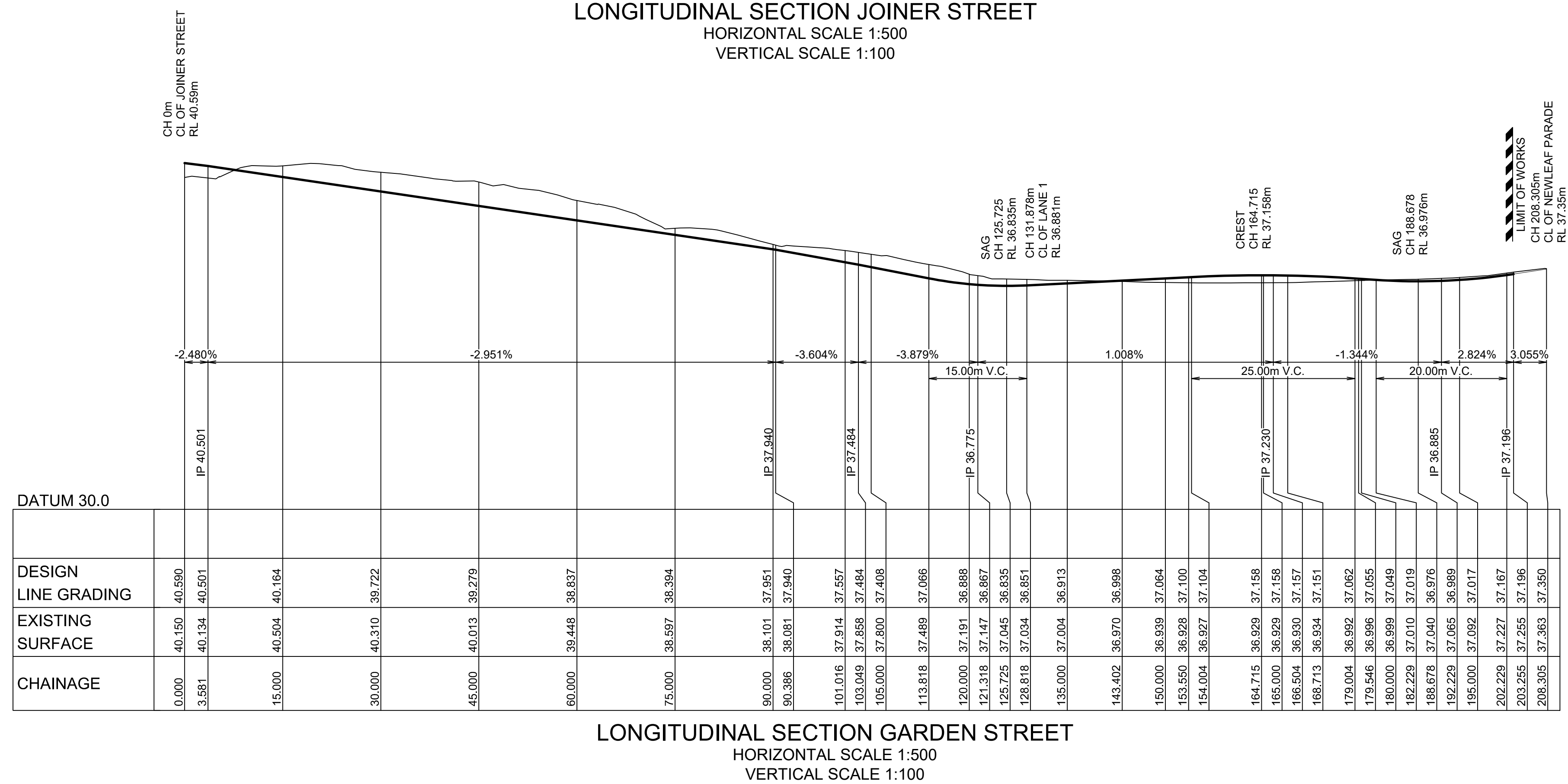
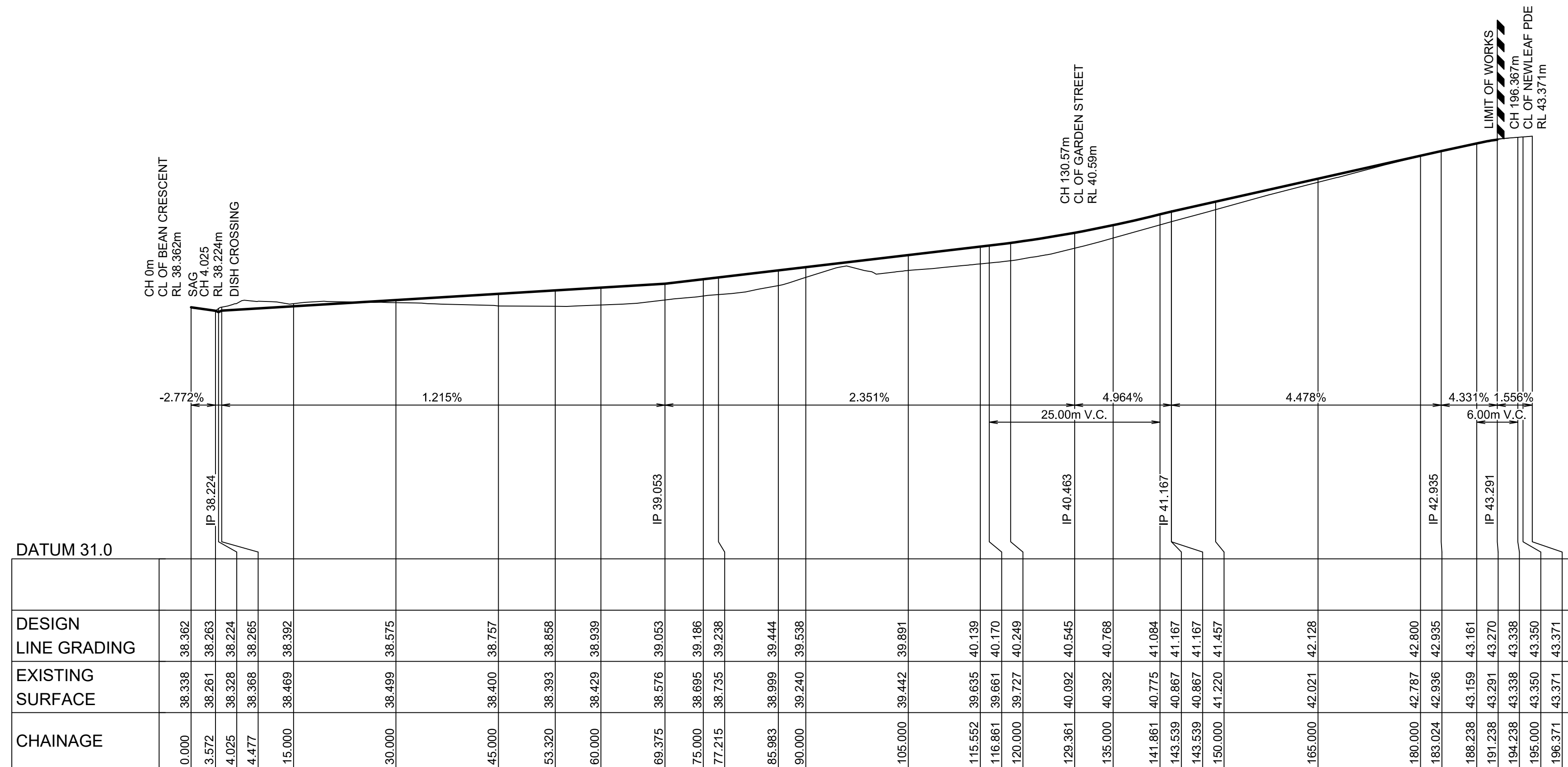
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20
	AMENDMENT	DES	DRN	CKD	APR	DATE

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:  Land & Housing Corporation	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.	BONNYRIGG LIVING COMMUNITIES PROJECT STAGES 1 & 2 ROAD LONGITUDINAL SECTIONS SHEET 1			PROJECT No: 110670	
						SHEET No: DA101	
			AZIMUTH: M.G.A.	DATUM: A.H.D.	ORIGIN:	PLAN No: 110670-02-DA101	B

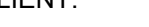


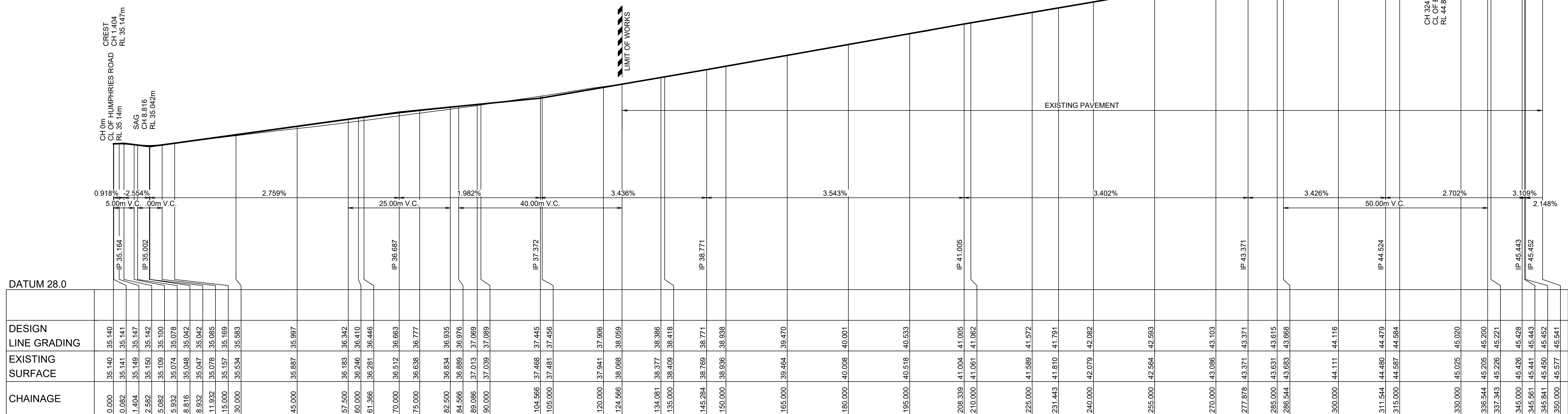
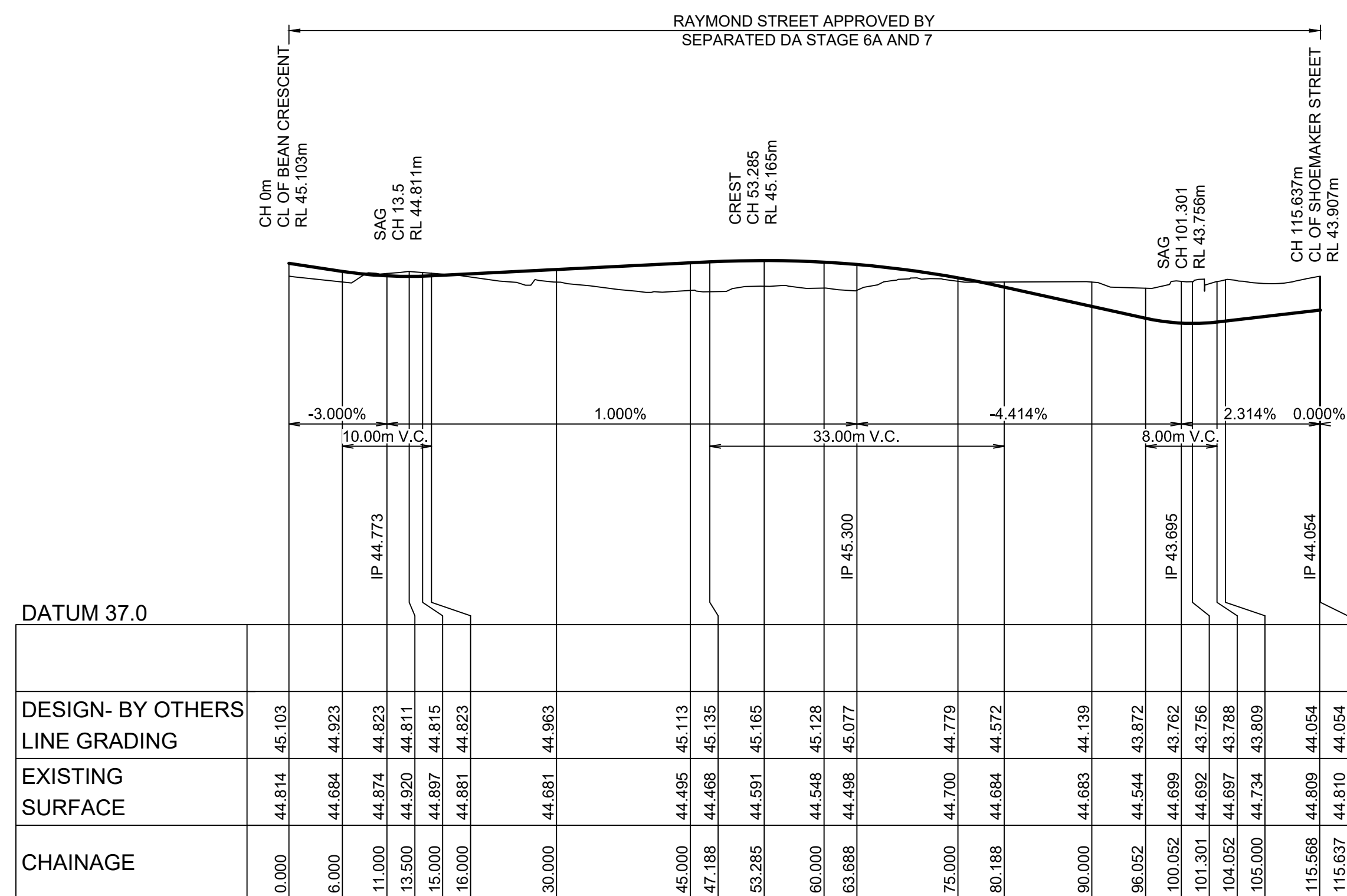
B	ISSUE FOR DA APPROVAL	GA	V\$	MS	DJ
A	ISSUE FOR DA APPROVAL	GA	NW	MS	PM
	AMENDMENT	DES	DRN	CKD	APR
					DATE

 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	 Land & Housing Corporation	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.	BONNYRIGG LIVING COMMUNITIES PROJECT STAGES 1 & 2 ROAD LONGITUDINAL SECTIONS SHEET 2			PROJECT No: 110670	
						SHEET No: DA102	
			AZIMUTH: M.G.A.	DATUM: A.H.D.	ORIGIN:	PLAN No: 110670-02-DA102	B

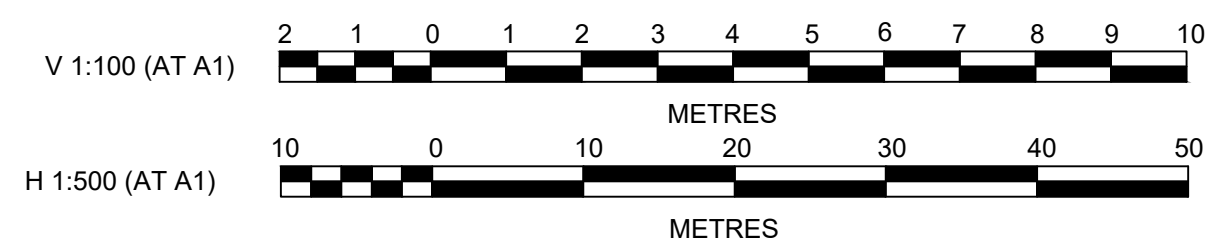


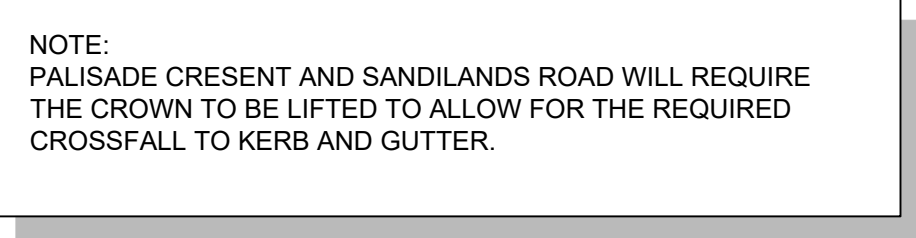
B	ISSUE FOR DA APPROVAL	GA	V\$	MS	DJ
A	ISSUE FOR DA APPROVAL	GA	NW	MS	PM
	AMENDMENT	DES	DRN	CKD	APR
					DATE

J. WYNNDHAM 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:  Land & Housing Corporation	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.	BONNYRIGG LIVING COMMUNITIES PROJECT STAGES 1 & 2 ROAD LONGITUDINAL SECTIONS SHEET 3			PROJECT No: 110670	
						SHEET No: DA103	
			AZIMUTH: M.G.A.	DATUM: A.H.D.	ORIGIN:	PLAN No: 110670-02-DA103	B



NOTE:
NEWLEAF PARADE WILL REQUIRE THE CROWN TO BE LIFTED
TO ALLOW FOR THE REQUIRED CROSSFALL TO KERB AND
GUTTER.

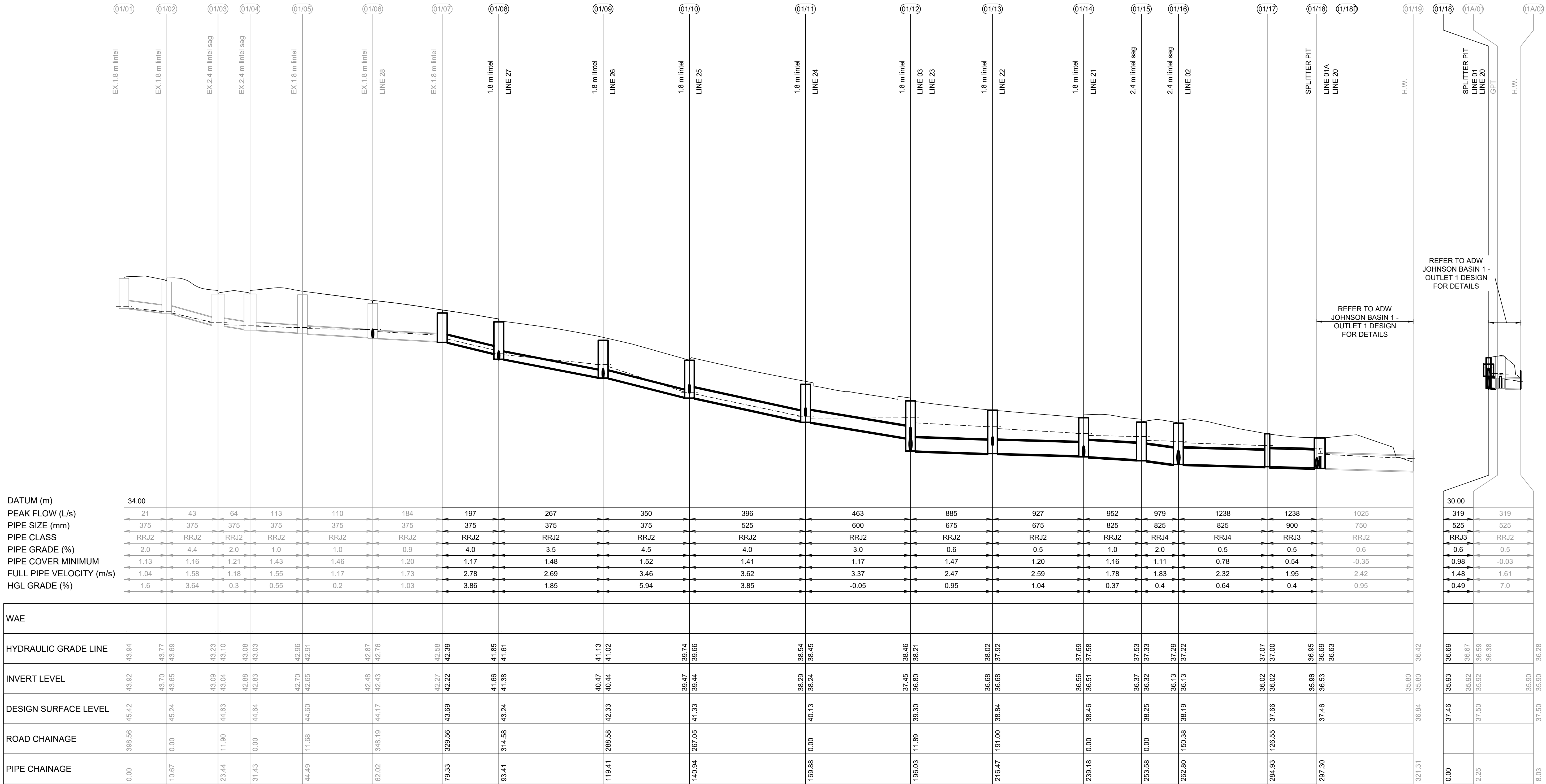
[illegible]



CHAINAGE	EXISTING SURFACE	DESIGN LINE GRADING
0.000	35.501	
7.785	35.398	
9.876	35.383	
12.285	35.389	
15.000	35.451	
16.785	35.537	
30.000	36.174	
34.644	36.397	
45.000	36.796	36.796
46.267	36.834	36.845
53.302	37.048	37.116
60.000	37.257	37.360
65.802	37.458	37.547
70.590	37.615	37.685
75.000	37.752	37.799
76.898	37.810	37.844
78.302	37.852	37.876
78.672	37.864	37.884
90.000	38.194	38.174
91.172	38.227	38.208
103.672	38.605	38.624
105.000	38.644	38.674
118.625	39.052	39.178
120.000	39.100	39.228
122.730	39.197	39.330
125.232	39.288	39.422
135.000	39.692	39.813
135.206	39.702	39.821
137.732	39.824	39.932
141.366	40.010	40.088
150.000	40.500	40.525
150.232	40.514	40.537
153.381	40.702	40.702
165.000	41.369	41.394
178.915	42.222	42.222
180.000	42.258	
182.911	42.366	

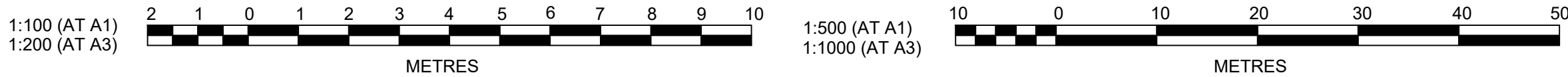
[illegible]

Plotted: 1 December 2021 8:14:35 AM File Name: J110670 - Bonnyrigg02 - Stage 8 To 11(CDDA)110670-02-DA420.dwg



LINE 01

LINE 01A



D	STORMWATER UPDATED	GA	GA	MS	DJ	01/12/21
C	STORMWATER UPDATED	GA	JM	DJ	DJ	01/09/21
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20
	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:

NSW GOVERNMENT

Land & Housing Corporation

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.

BONNYRIGG LIVING COMMUNITIES PROJECT

STAGES 1 & 2

DRAINAGE LONGITUDINAL SECTIONS

SHEET 1

PROJECT No:

110670

SHEET No:

DA420

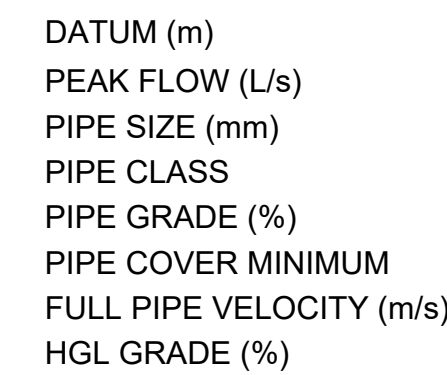
AZIMUTH: M.G.A.

DATUM: A.H.D.

ORIGIN:

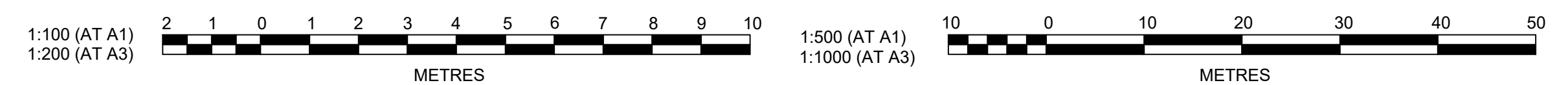
PLAN No: 110670-02-DA420

D

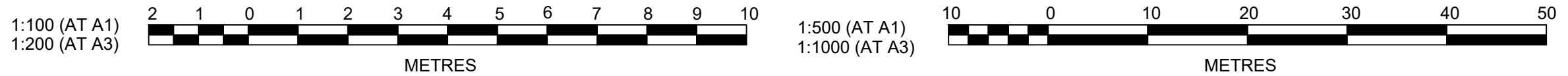
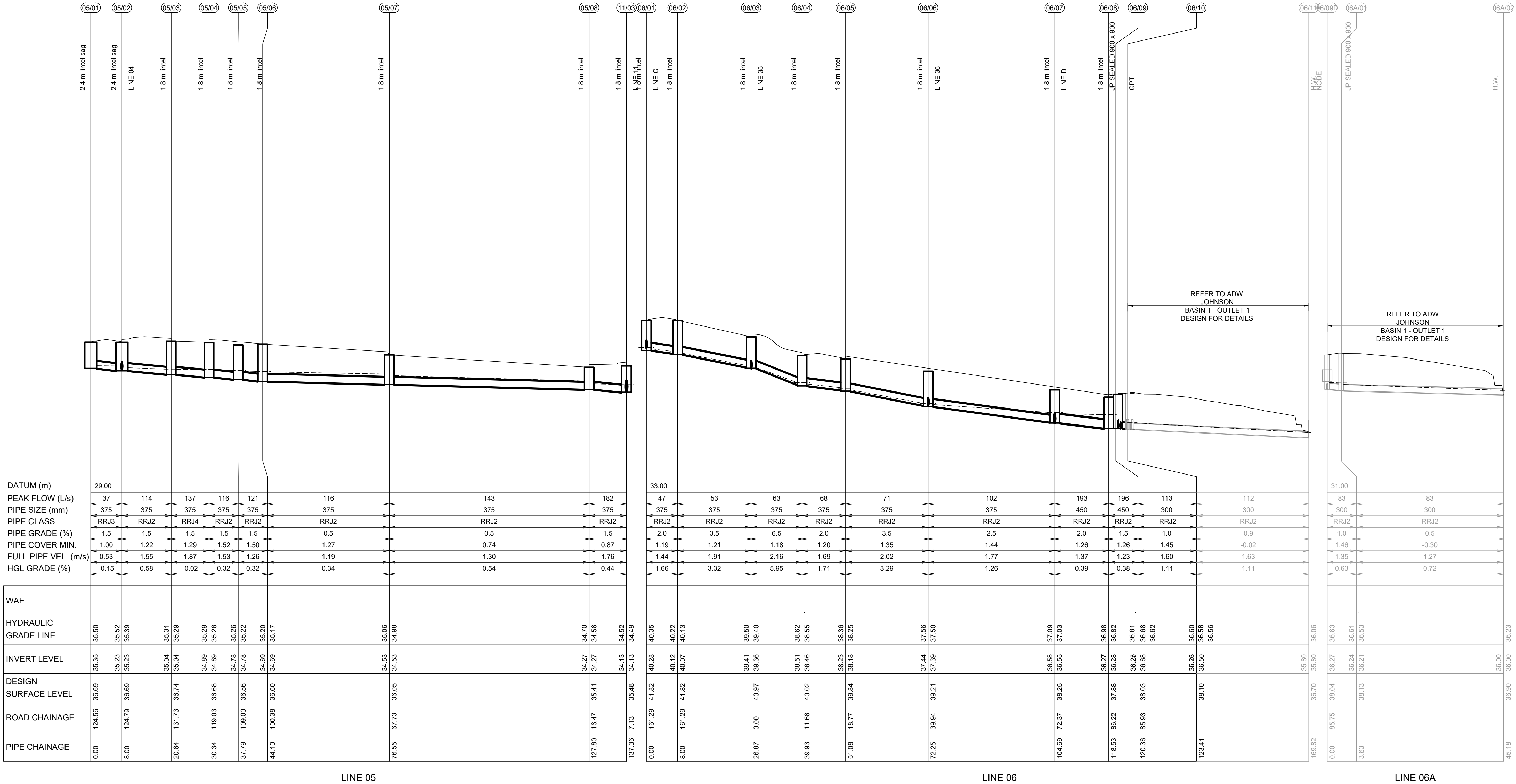
[illegible]

LINE 03

LINE 04

[illegible]

Plotted: 1 December, 2021 8:14:53 AM File Name: J:\110670 - Bonnyrigg\02 - Stage 8 To 11\CD\DA\110670-02-DA422.dwg



D	GPT MOVED	GA	GA	MS	DJ	01/12/21
C	STORMWATER UPDATED	GA	JM	DJ	DJ	01/09/21
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20
	AMENDMENT	DES	DRN	CKD	APR	DATE

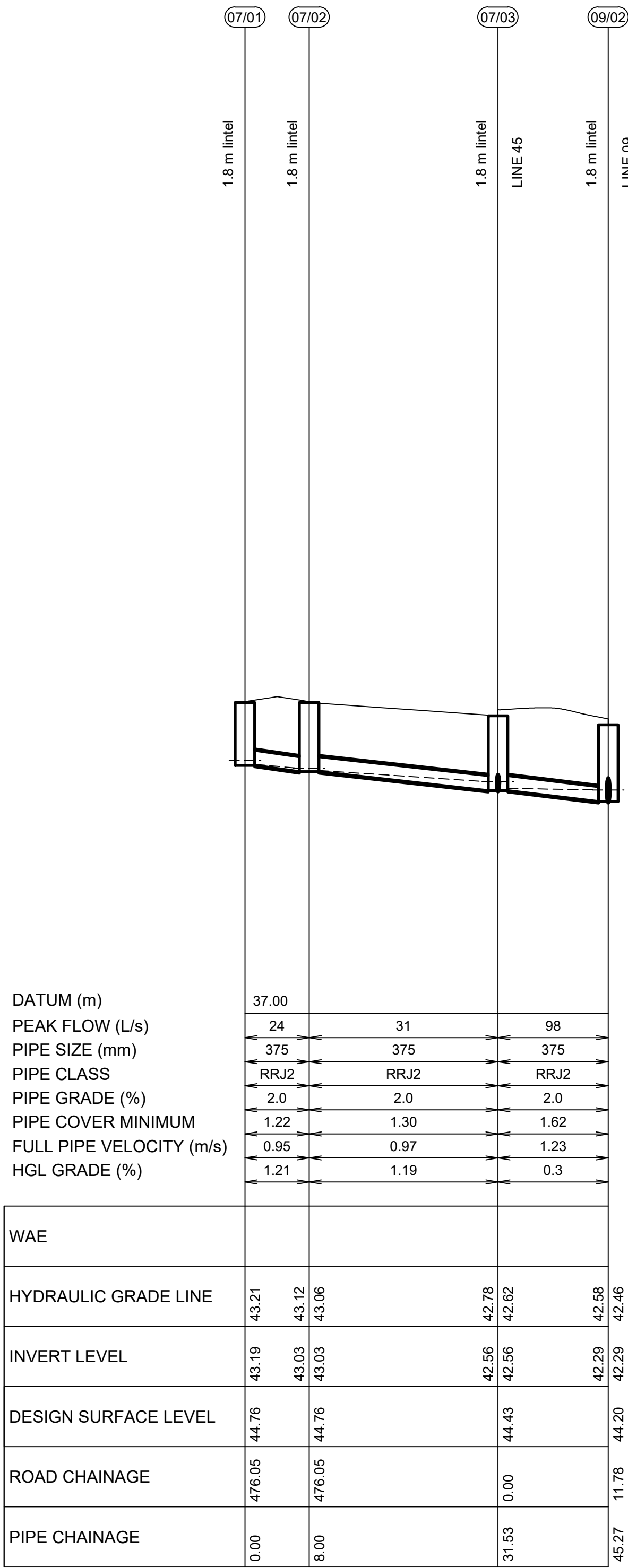
J. WYNDHAM PRINCE
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS
PO Box 4366 PENRITH WESTFIELD NSW 2750
P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au



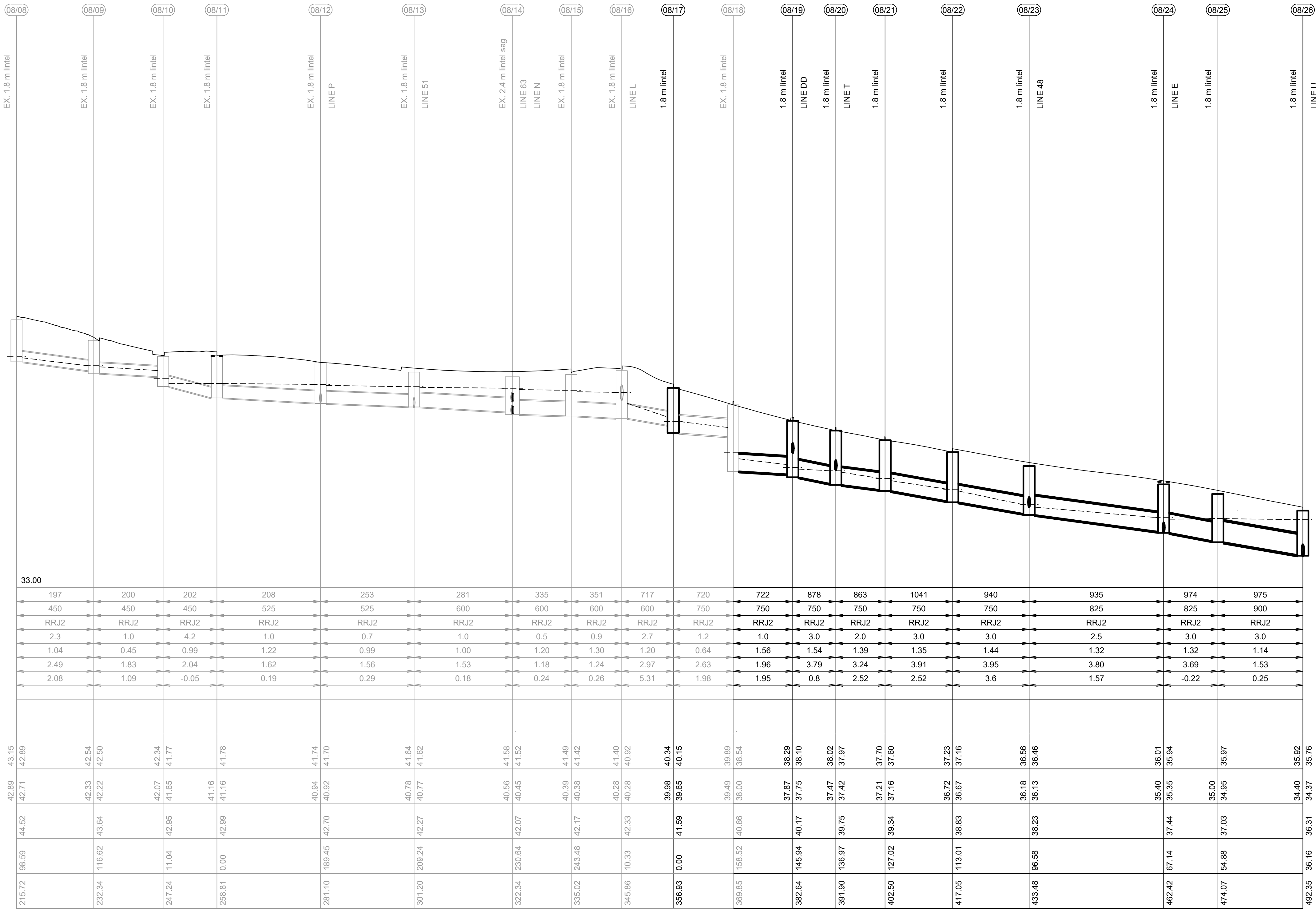
STATUS:
ISSUE FOR DA APPROVAL
NOT FOR CONSTRUCTION
THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

BONNYRIGG LIVING COMMUNITIES PROJECT STAGES 1 & 2 DRAINAGE LONGITUDINAL SECTIONS SHEET 3				PROJECT No: 110670	
				SHEET No: DA422	
AZIMUTH: M.G.A.		DATUM: A.H.D.		ORIGIN:	
		PLAN No: 110670-02-DA422		D	

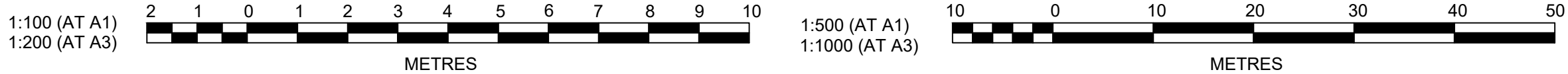
Plotted: 1 December 2021 8:15:01 AM File Name: J:\110670 - Bonnyrigg\02 - Stage 8 To 11\CD\DA\110670-02-DA423.dwg



LINE 07



LINE 08



C	STORMWATER UPDATED	GA	JM	DJ	DJ	01/09/21
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20
	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:

NSW GOVERNMENT

Land & Housing Corporation

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.

BONNYRIGG LIVING COMMUNITIES PROJECT

STAGES 1 & 2

DRAINAGE LONGITUDINAL SECTIONS

SHEET 4

AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: PLAN No: 110670-02-DA423

PROJECT No:

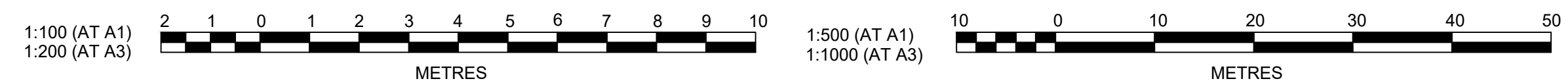
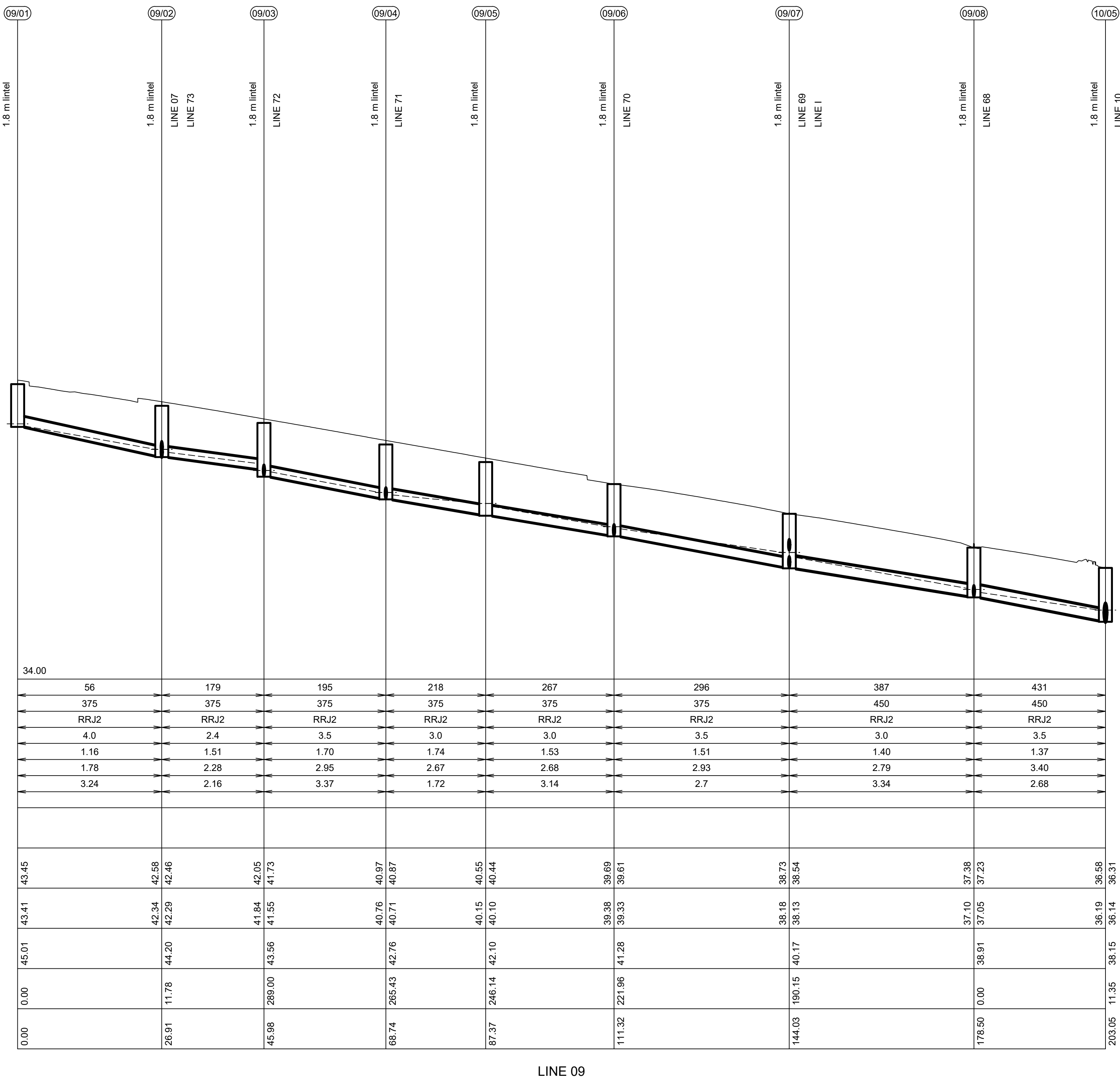
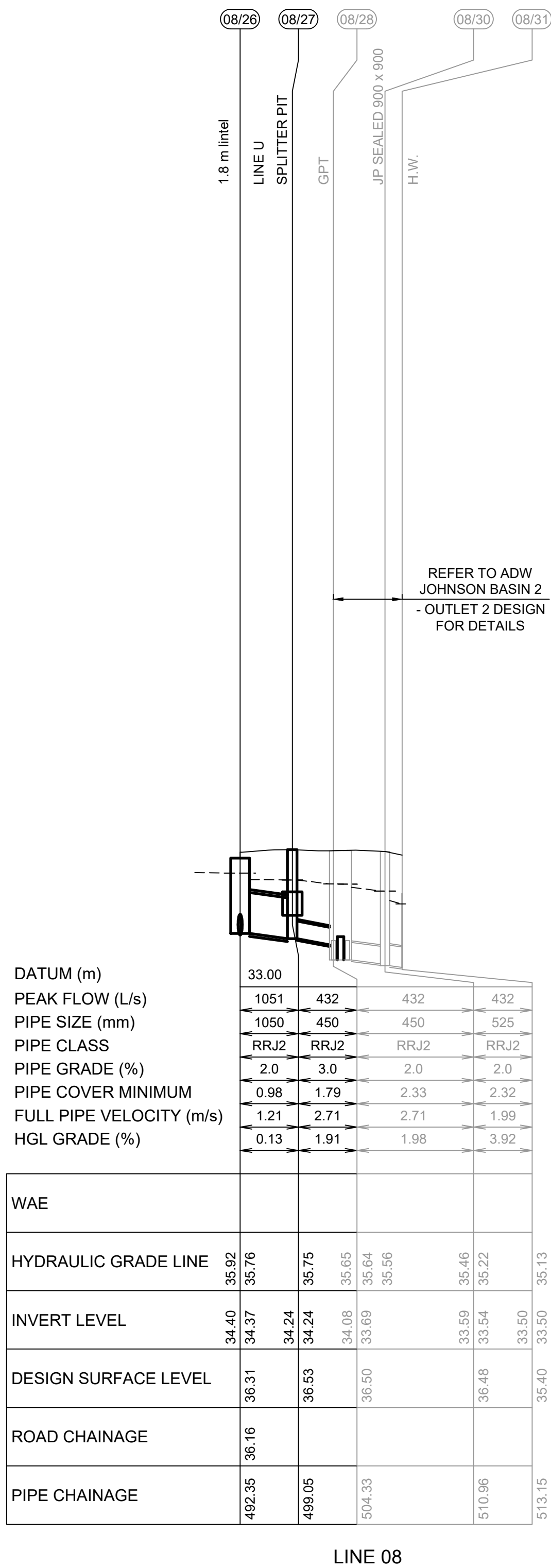
110670

SHEET No:

DA423

C

Plotted: 1 December 2021 8:15:09 AM File Name: J:\110670 - Bonnyrigg\02 - Stage 8 To 11\CD\DA\110670-02-DA424.dwg



C	STORMWATER UPDATED	GA	JM	DJ	DJ	01/09/21	
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20	
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20	
	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:

**Land & Housing Corporation**

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.

BONNYRIGG LIVING COMMUNITIES PROJECT
STAGES 1 & 2
DRAINAGE LONGITUDINAL SECTIONS
SHEET 5

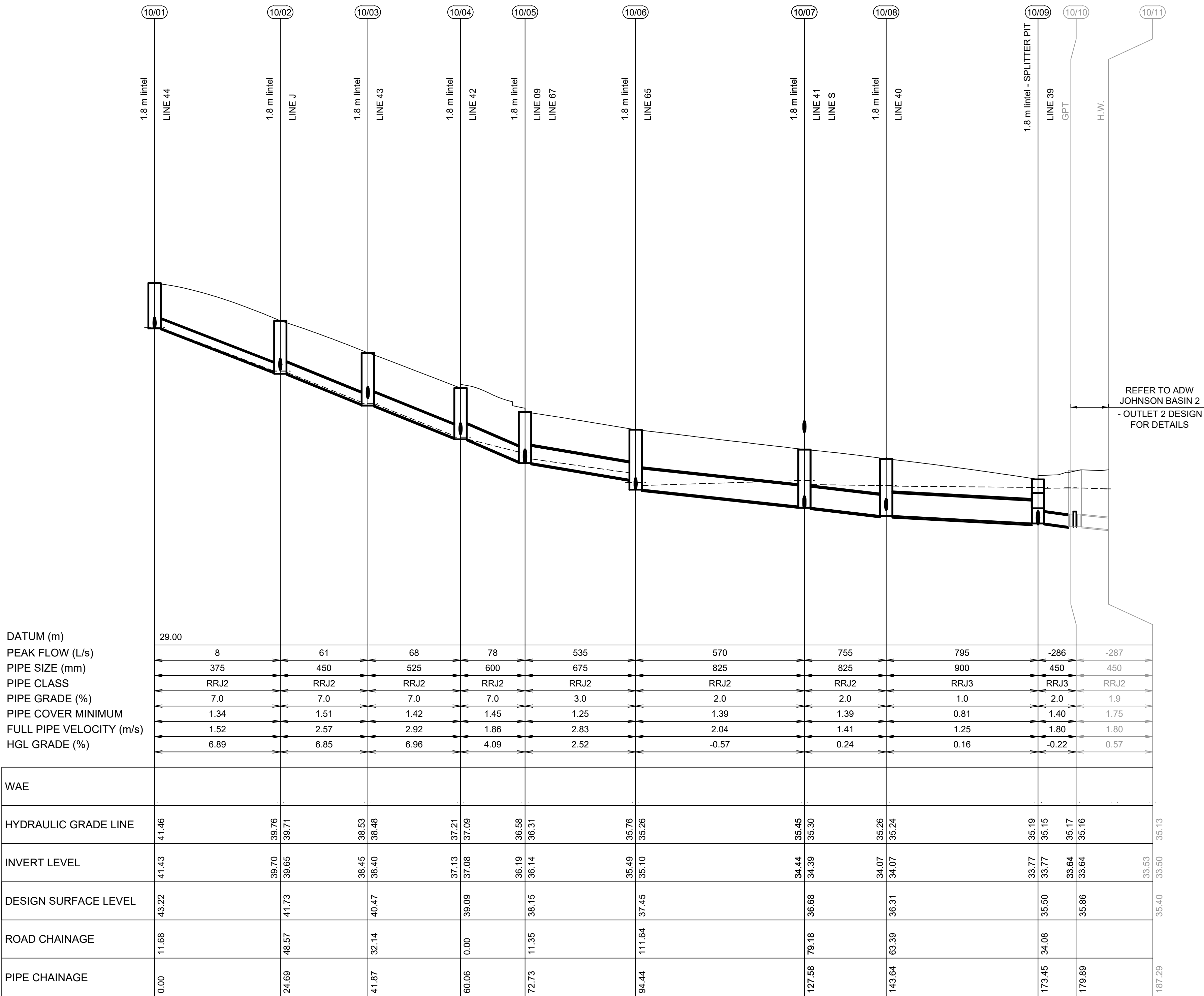
AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: PLAN No: 110670-02-DA424

PROJECT No:
110670

SHEET No:
DA424

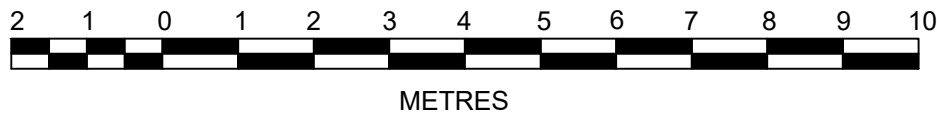
C

Plotted: 1 December, 2021 8:15:18 AM File Name: J:\110670 - Bonnyrigg\02 - Stage 8 To 11\CD\DA\110670-02-DA425.dwg



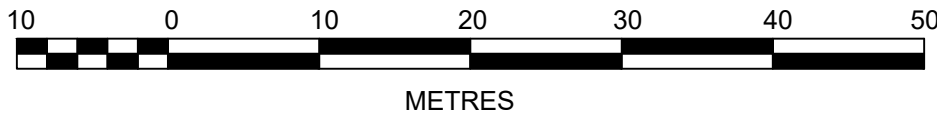
LINE 10

1:100 (AT A1)
1:200 (AT A3)



METRES

1:500 (AT A1)
1:1000 (AT A3)



METRES

C	STORMWATER UPDATED	GA	JM	DJ	DJ	01/09/21	
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20	
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20	
	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:



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.

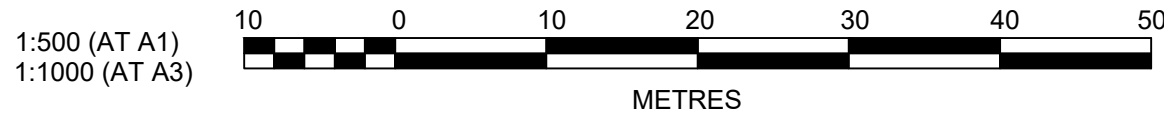
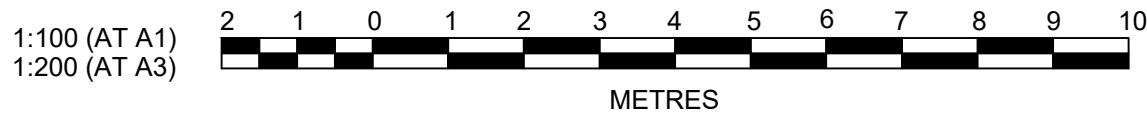
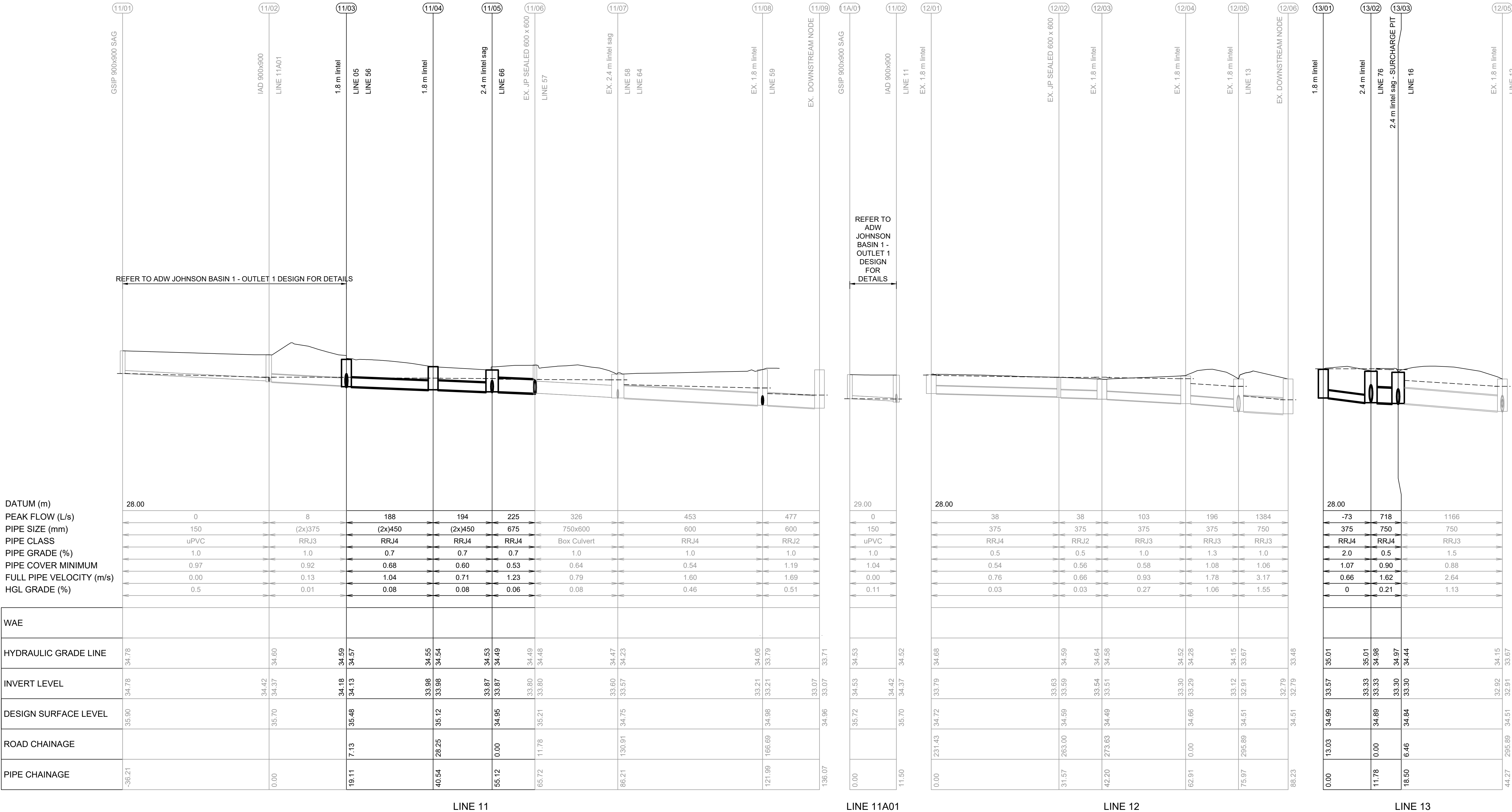
BONNYRIGG LIVING COMMUNITIES PROJECT
STAGES 1 & 2
DRAINAGE LONGITUDINAL SECTIONS
SHEET 6

AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: PLAN No: 110670-02-DA425

PROJECT No:
110670
SHEET No:
DA425

C

Plotted: 1 December, 2021 8:15:26 AM File Name: J:\110670 - Bonnyrigg\02 - Stage 8 To 11\CD\DA\110670-02-DA426.dwg



C	STORMWATER UPDATED	GA	JM	DJ	DJ	01/09/21
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20
	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



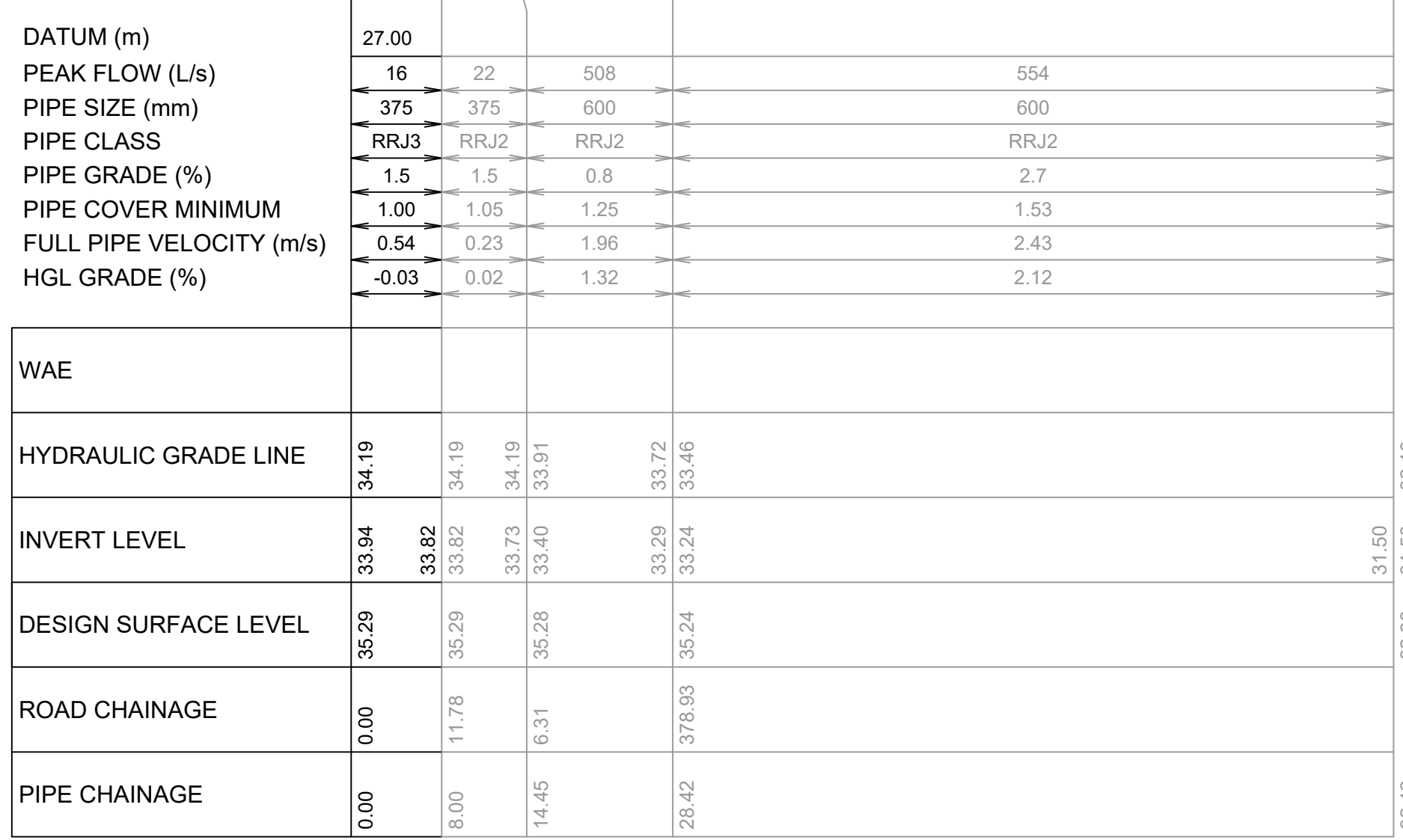
STATUS:
**ISSUE FOR
DA APPROVAL**
NOT FOR CONSTRUCTION
THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS
SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

BONNYRIGG LIVING COMMUNITIES PROJECT
STAGES 1 & 2
DRAINAGE LONGITUDINAL SECTIONS
SHEET 7

AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: PLAN No: 110670-02-DA426

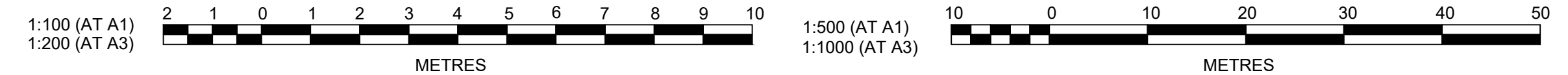
PROJECT No:
110670
SHEET No:
DA426

C



LINE 15

LINE 16



D	ISSUE FOR DA APPROVAL	GA	NM	MS	DJ	19/11/2
C	STORMWATER UPDATED	GA	JM	DJ	DJ	01/09/2
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20
	AMENDMENT	DES	DRN	CKD	APR	DATE

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

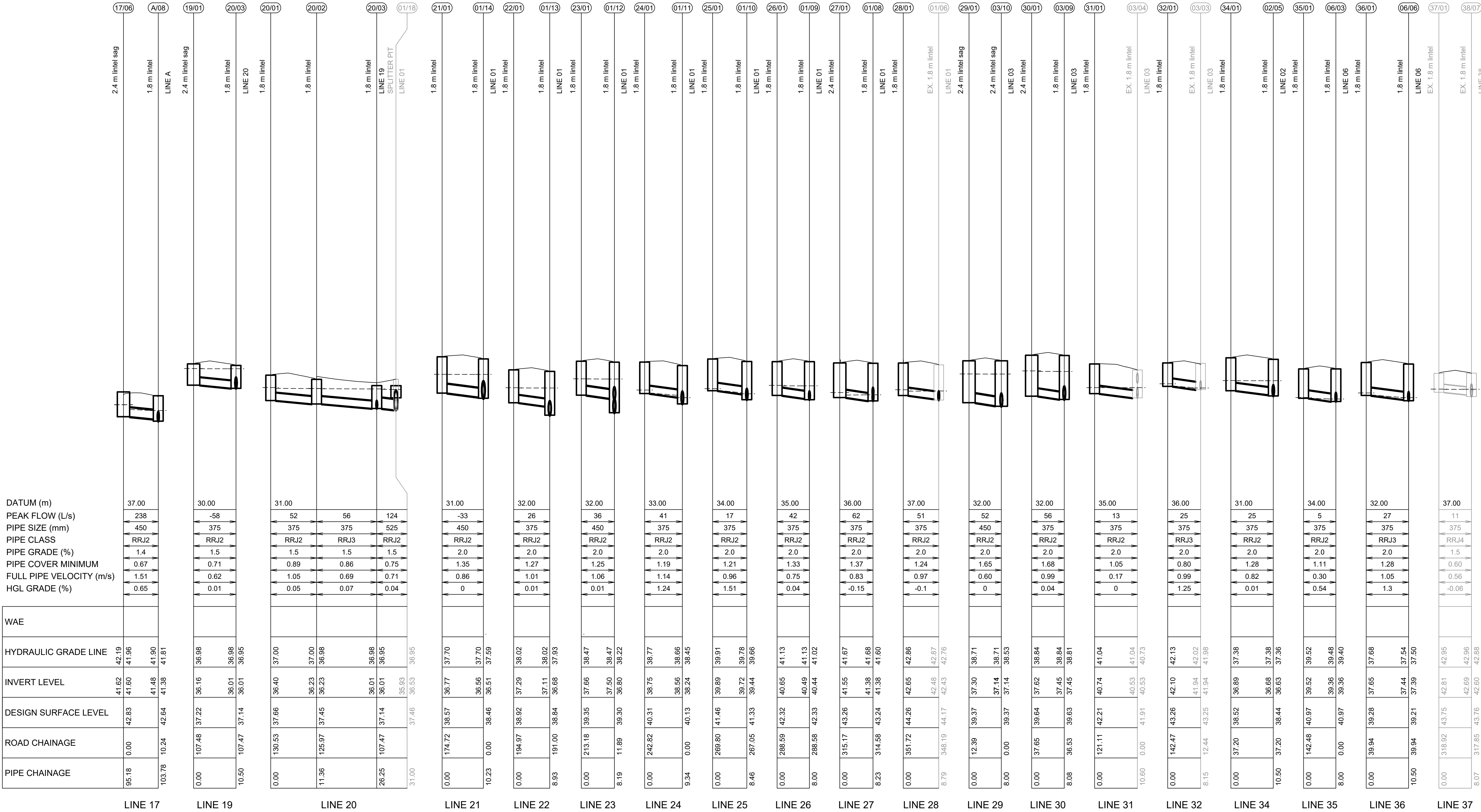


STATUS: **ISSUE FOR
DA APPROVAL
NOT FOR CONSTRUCTION**

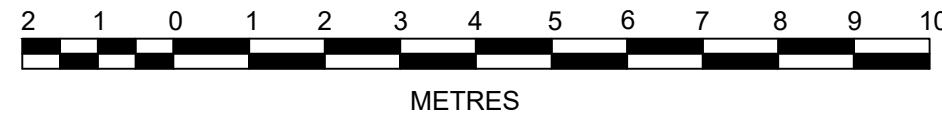
AZIMUTH: M.G.A.	DATUM: A.H.D.	ORIGIN:	PLAN No: 110670-02-DA427	D
-----------------	---------------	---------	--------------------------	---

2-DA427	D
---------	---

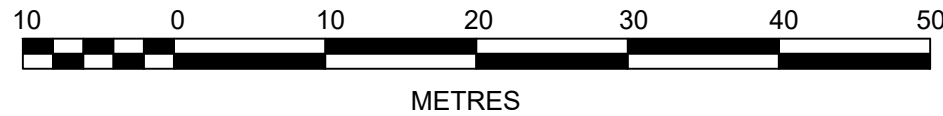
Plotted: 1 December, 2021 8:15:44 AM File Name: J:\110670 - Bonnyrigg\02 - Stage 8 To 11\CD\DA\110670-02-DA428.dwg



1:100 (AT A1)
1:200 (AT A3)



1:500 (AT A1)
1:1000 (AT A3)



C	STORMWATER UPDATED	GA	JM	DJ	DJ	01/09/21			
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20			
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20			
	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:



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.

BONNYRIGG LIVING COMMUNITIES PROJECT
STAGES 1 & 2
DRAINAGE LONGITUDINAL SECTIONS
SHEET 9

AZIMUTH: M.G.A.

DATUM: A.H.D.

ORIGIN:

PLAN No: 110670-02-DA428

PROJECT No:

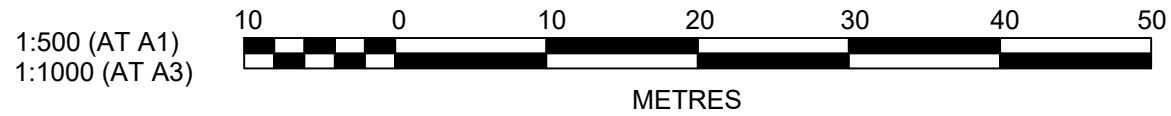
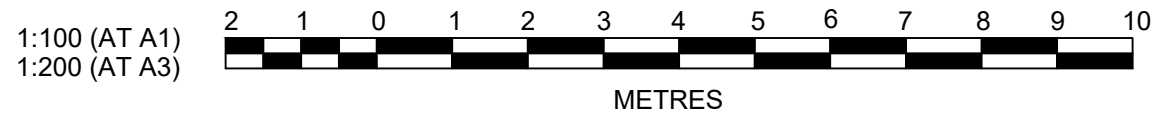
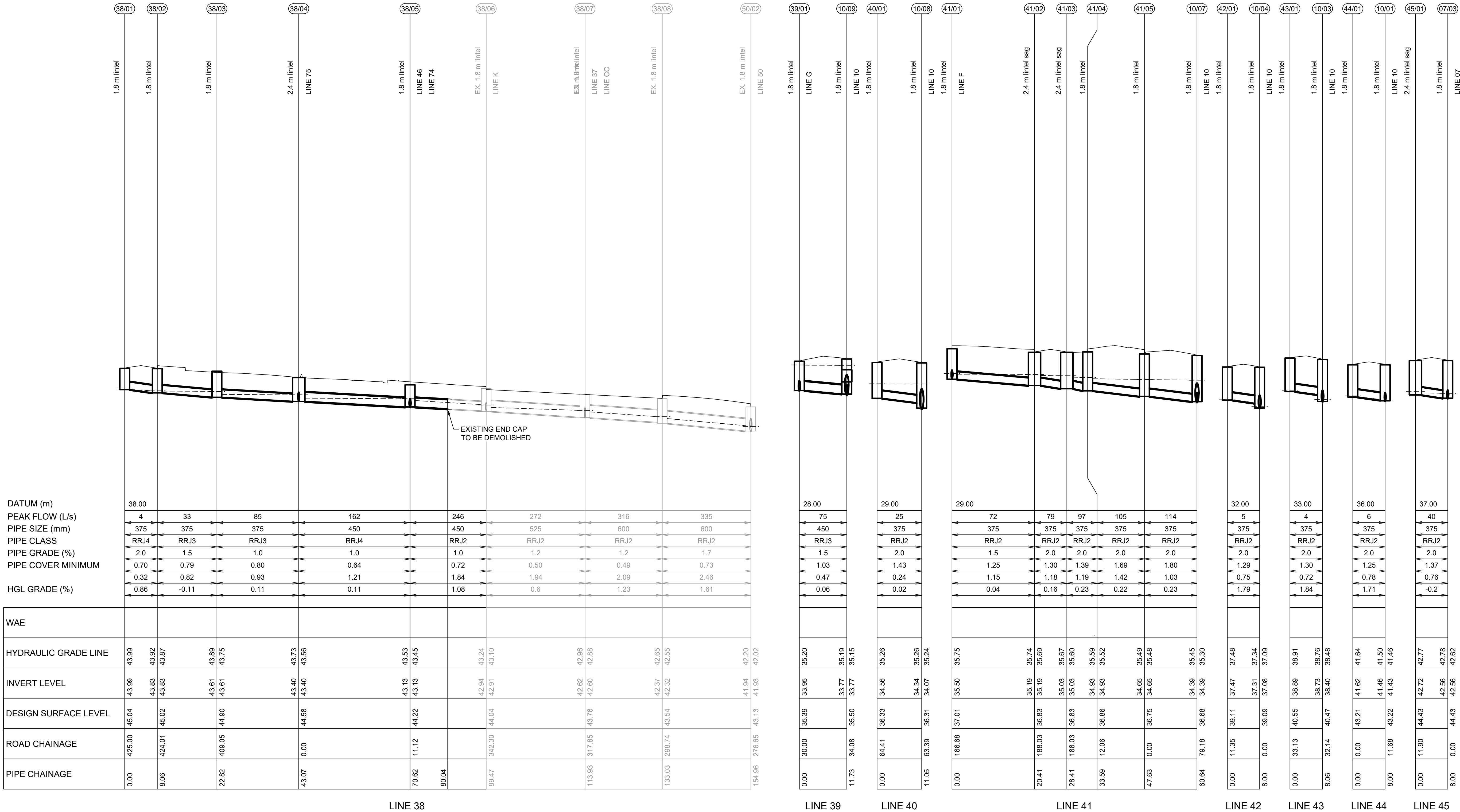
110670

SHEET No:

DA428

C

Plotted: 1 December, 2021 8:15:52 AM File Name: J:\110670 - Bonnyrigg\02 - Stage 8 To 11\CD\DA\110670-02-DA429.dwg



C	STORMWATER UPDATED	GA	JM	DJ	DJ	01/09/21
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20
	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:



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.

BONNYRIGG LIVING COMMUNITIES PROJECT
STAGES 1 & 2
DRAINAGE LONGITUDINAL SECTIONS
SHEET 10

PROJECT No:

110670

SHEET No:

DA429

AZIMUTH: M.G.A.

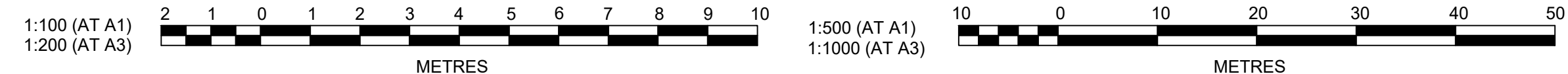
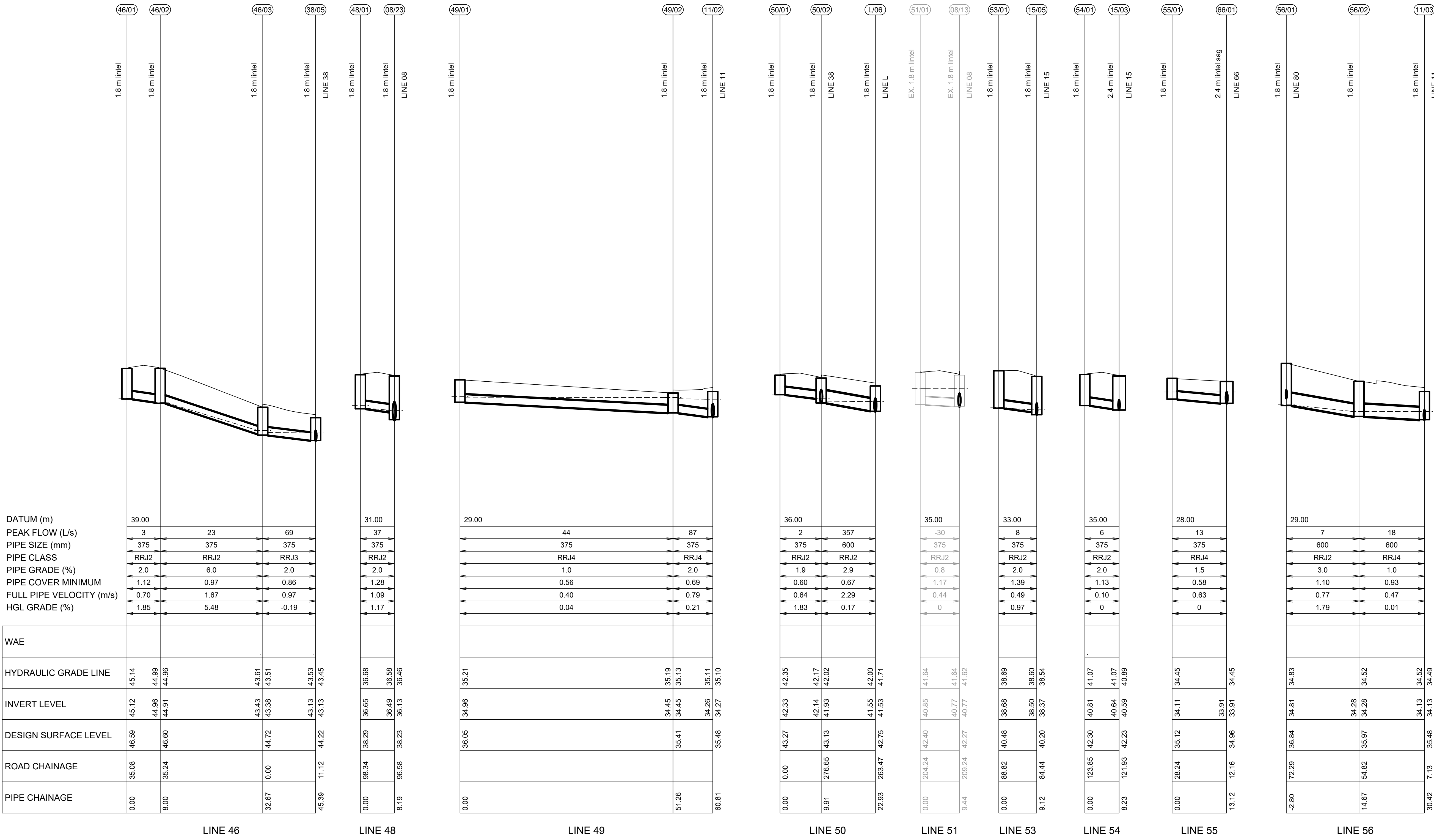
DATUM: A.H.D.

ORIGIN:

PLAN No: **110670-02-DA429**

C

Plotted: 1 December 2021 8:16:01 AM File Name: J:\110670 - Bonnyrigg\02 - Stage 8 To 11\CD\DA\110670-02-DA430.dwg



C		STORMWATER UPDATED		GA	JM	DJ	DJ	01/09/21
B		ISSUE FOR DA APPROVAL		GA	VS	MS	DJ	26/10/20
A		ISSUE FOR DA APPROVAL		GA	NDW	MS	PM	28/08/20
AMENDMENT		DES	DRN	CKD	APR	DATE		

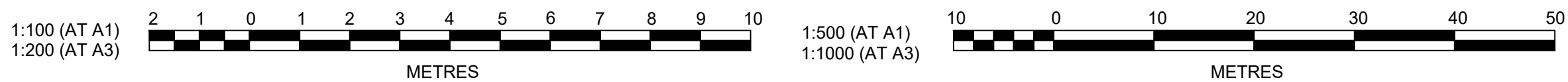
J. WYNDHAM PRINCE
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS
PO Box 4366 PENRITH WESTFIELD NSW 2750
P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

Land & Housing Corporation
NSW GOVERNMENT

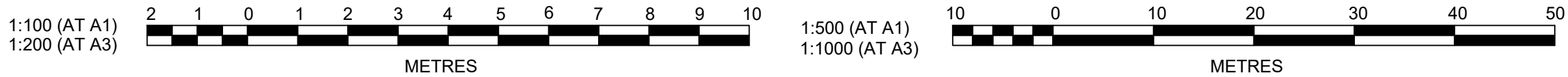
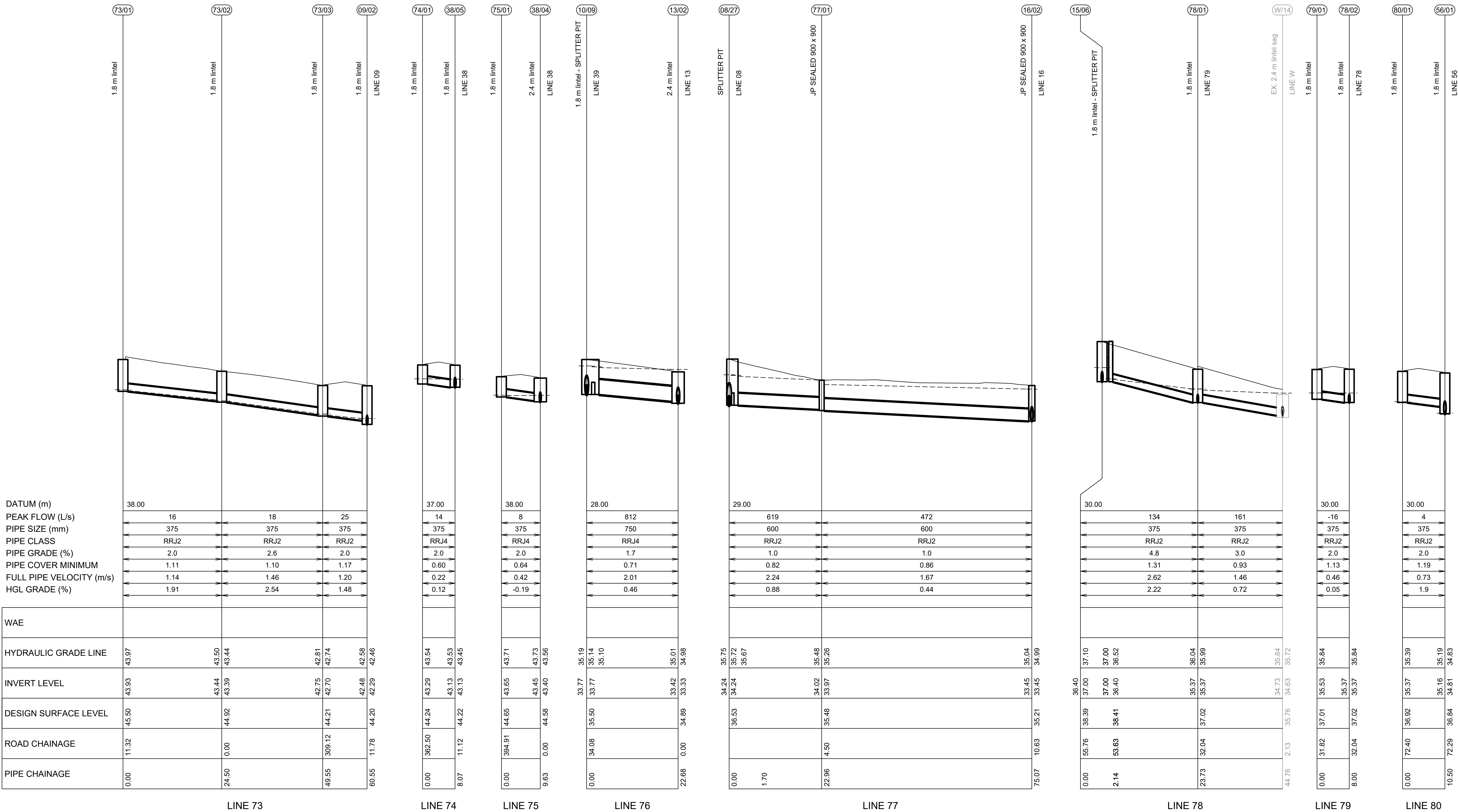
ISSUE FOR DA APPROVAL
NOT FOR CONSTRUCTION
THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

BONNYRIGG LIVING COMMUNITIES PROJECT
STAGES 1 & 2
DRAINAGE LONGITUDINAL SECTIONS
SHEET 11
AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: PLAN No: 110670-02-DA430

PROJECT No: 110670
SHEET No: DA430
C

[illegible]

Plotted: 1 December 2021 8:16:18 AM File Name: J:\110670 - Bonnyrigg\02 - Stage 8 To 11\CD\DA\110670-02-DA432.dwg



C	STORMWATER UPDATED	GA	JM	DJ	DJ	01/09/21
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20
	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.

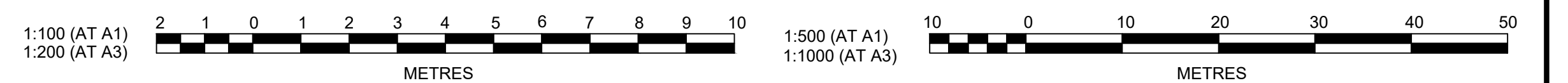
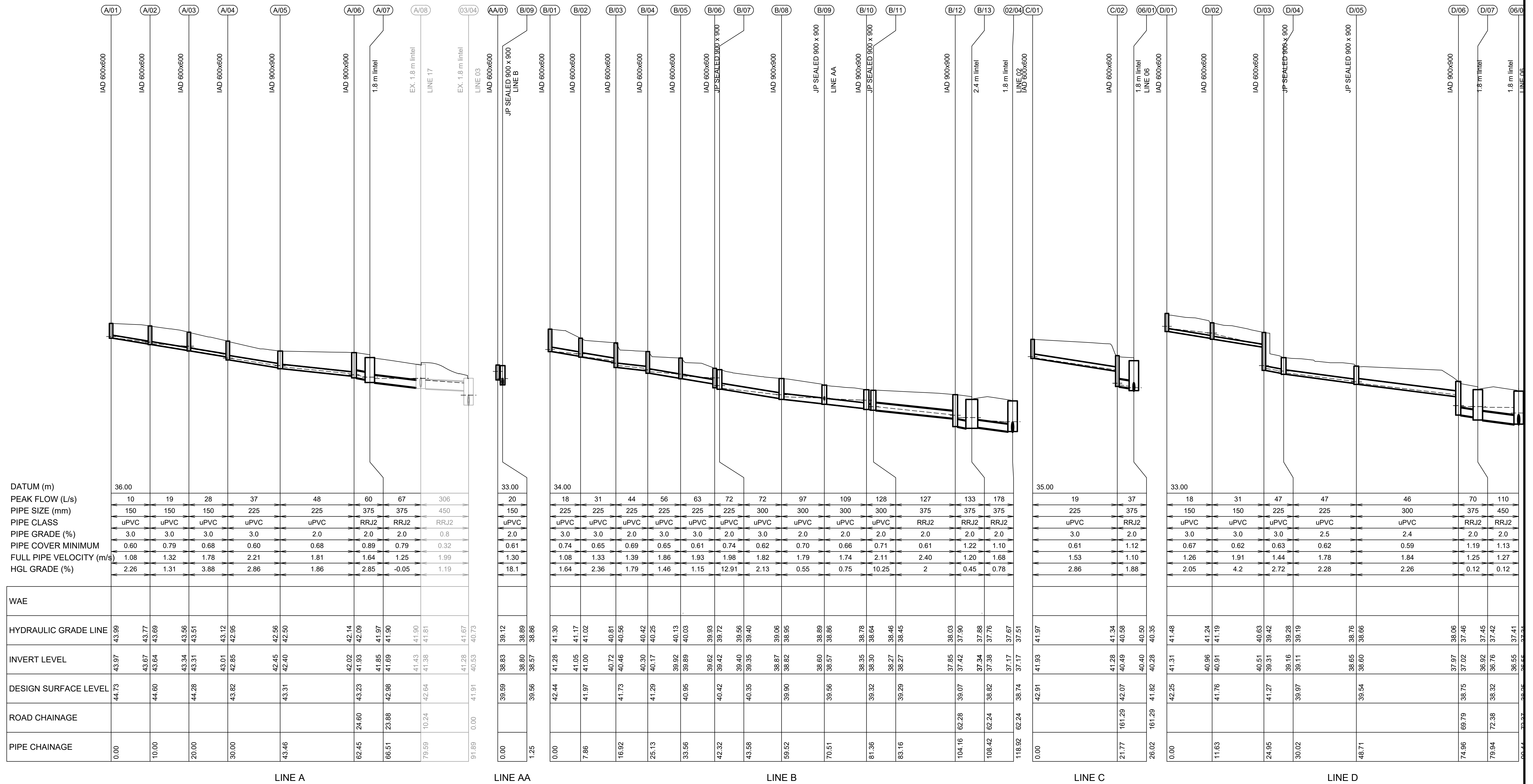
BONNYRIGG LIVING COMMUNITIES PROJECT
STAGES 1 & 2
DRAINAGE LONGITUDINAL SECTIONS
SHEET 13

AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: PLAN No: 110670-02-DA432

PROJECT No:
110670

SHEET No:
DA432

C



D	ISSUE FOR DA APPROVAL	GA	NM	MS	DJ	19/11/20
C	STORMWATER UPDATED	GA	JM	DJ	DJ	01/09/21
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20
	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:

 **Land & Housing Corporation**

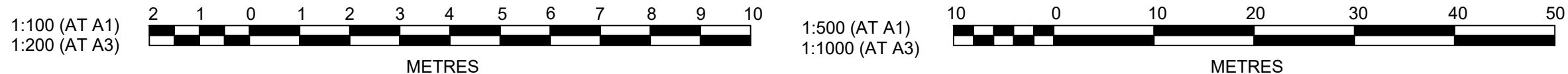
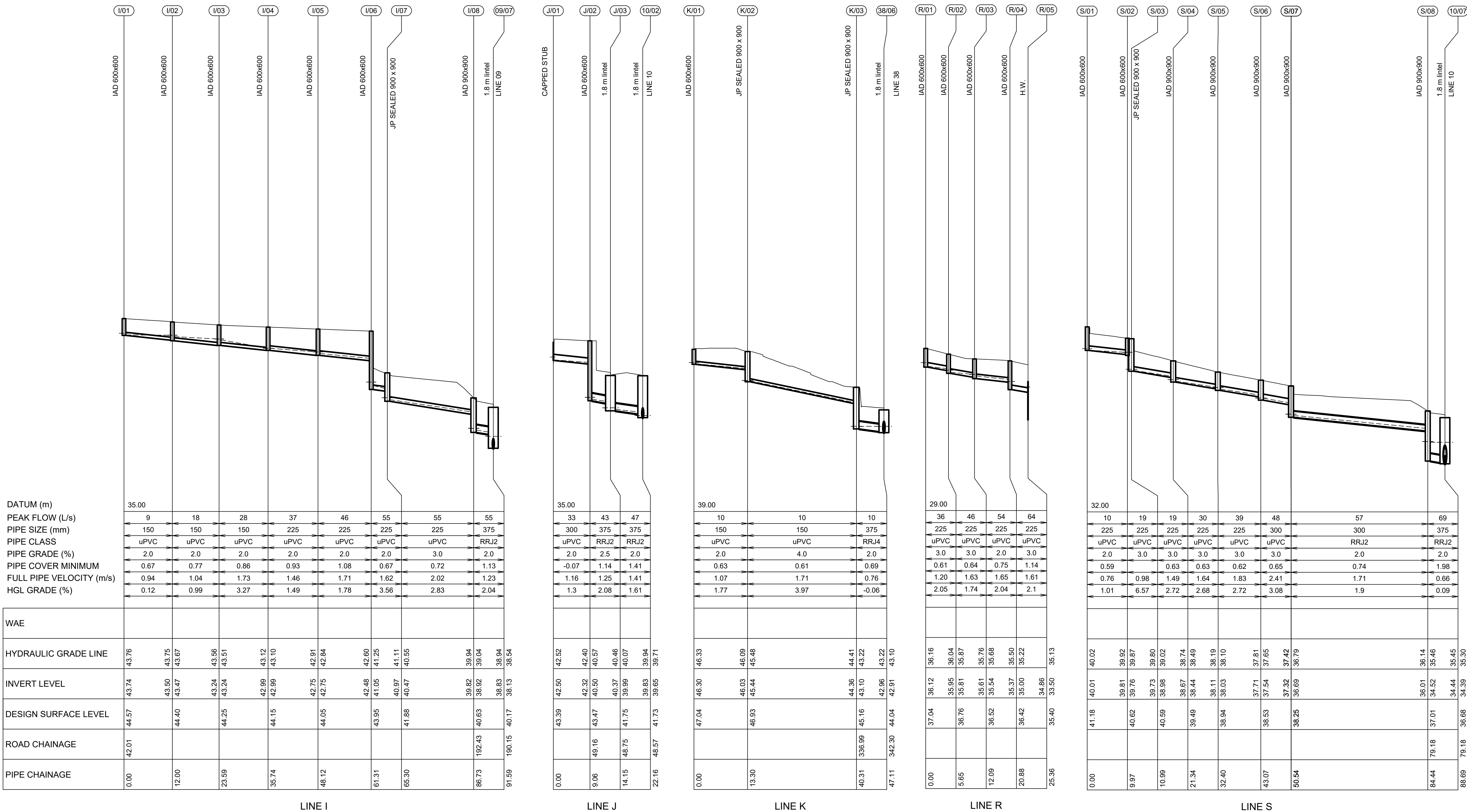
STATUS:

**ISSUE FOR
DA APPROVAL
NOT FOR CONSTRUCTION**

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

BONNYRIGG LIVING COMMUNITIES PROJECT STAGES 1 & 2 DRAINAGE LONGITUDINAL SECTIONS SHEET 14				PROJECT No:		110670			
				SHEET No:		DA433			
AZIMUTH: M.G.A.		DATUM: A.H.D.		ORIGIN:		PLAN No: 110670-02-DA433		D	

Plotted: 1 December 2021 8:16:45 AM File Name: J:\110670 - Bonnyrigg\02 - Stage 8 To 11\CD\DA\110670-02-DA435.dwg



C		STORMWATER UPDATED		GA	JM	DJ	DJ	01/09/21
B		ISSUE FOR DA APPROVAL		GA	VS	MS	DJ	26/10/20
A		ISSUE FOR DA APPROVAL		GA	NDW	MS	PM	28/08/20
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:

NSW GOVERNMENT **Land & Housing Corporation**

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.

BONNYRIGG LIVING COMMUNITIES PROJECT
STAGES 1 & 2
DRAINAGE LONGITUDINAL SECTIONS
SHEET 16

AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: PLAN No: 110670-02-DA435

PROJECT No:
110670

SHEET No:
DA435

C

Plotted: 1 December, 2021 8:16:53 AM File Name: J:\110670 - Bonnyrigg\02 - Stage 8 To 11\CD\DA\110670-02-DA-36.dwg

DATUM (m)	33.00
PEAK FLOW (L/s)	18
PIPE SIZE (mm)	225
PIPE CLASS	uPVC
PIPE GRADE (%)	2.0
PIPE COVER MINIMUM	0.61
FULL PIPE VELOCITY (m/s)	0.92
HGL GRADE (%)	0.95

WAE	
HYDRAULIC GRADE LINE	41.24
INVERT LEVEL	41.23
DESIGN SURFACE LEVEL	42.08
ROAD CHAINAGE	
PIPE CHAINAGE	0.00

LINE T

31.00
9
150
uPVC
3.0
0.65
1.05
2.62

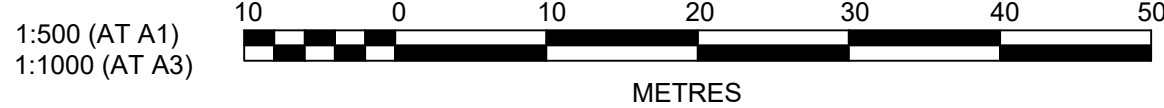
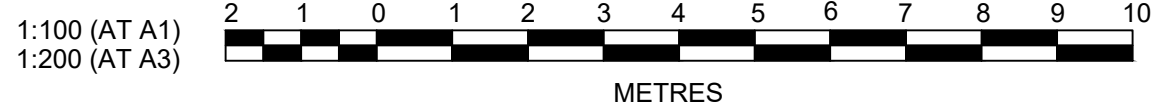
38.26
38.24
39.31
38.73
37.99
37.69
37.47
37.43
36.81

LINE U

37.00
13
150
uPVC
3.0
0.69
1.00
0.78

44.72
44.69
45.59
44.42
44.39
44.91
44.57
43.64
43.51

LINE V



D	ISSUE FOR DA APPROVAL	GA	NM	MS	DJ	19/11/21
C	STORMWATER UPDATED	GA	JM	DJ	DJ	01/09/21
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20
	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:



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.

BONNYRIGG LIVING COMMUNITIES PROJECT
STAGES 1 & 2
DRAINAGE LONGITUDINAL SECTIONS
SHEET 17

PROJECT No:
110670
SHEET No:
DA436

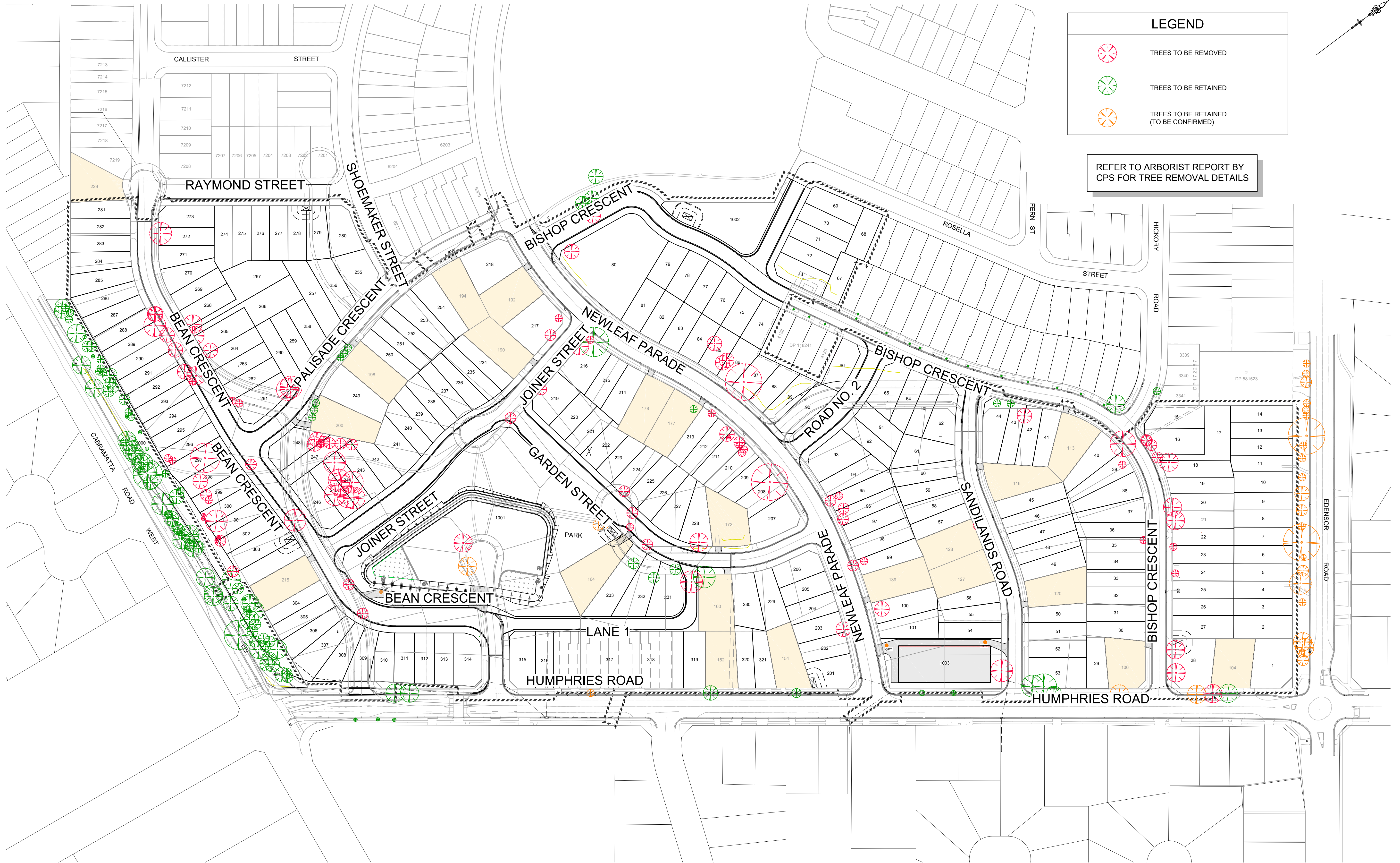
AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: PLAN No: 110670-02-DA436

D



Plotted: 1 December, 2021 8:17:02 AM File Name: J:\110670 - Bonnyrigg\02 - Stage 8 To 11\CD\DA\110670-02-DA437.dwg

Plotted: 1 December, 2021 8:17:20 AM File Name: J:\110670 - Bonnyrigg02 - Stage 8 To 11\CD\DA\110670-02-DA500.dwg



1:1000 (AT A1)
1:2000 (AT A3)

20 10 0 10 20 30 40 50 60 70 80 90 100

METRES

AMENDMENT	DES	DRN	CKD	APR	DATE
E	GA	GA	MS	DJ	01/12/21
D	GA	NM	MS	DJ	19/11/21
C	GA	GA	JB	MS	14/10/21
B	GA	VS	MS	DJ	26/10/20
A	GA	NDW	MS	PM	28/08/20

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:

NSW GOVERNMENT
Land & Housing Corporation

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.

BONNYRIGG LIVING COMMUNITIES PROJECT
STAGES 1 & 2
TREE RETENTION PLAN

PROJECT No: **110670**
SHEET No: **DA500**

PLAN No: **110670-02-DA500**

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

SOIL AND WATER MANAGEMENT NOTES

GENERAL NOTES:

1. 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 ".
2. TOPSOIL FROM ALL AREAS TO BE DISTURBED SHALL BE STOCKPILED AND LATER RESPREAD TO AID REVEGETATION IN THOSE AREAS.
3. ALL DRAINAGE WORKS SHALL BE CONSTRUCTED AND STABILISED AS EARLY AS POSSIBLE DURING DEVELOPMENT.
4. ALL TAIL-OUT DRAINS SHALL BE COUCH GRASSED AND TRAPEZOIDAL IN SECTION. STRAW BALES SHALL BE PLACED AS A SEDIMENT CONTROL DEVICE WHERE REQUIRED.
5. 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.
6. ROADS SHALL BE PAVED AS EARLY AS POSSIBLE AFTER FORMATION.
7. 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.
8. ALL DISTURBED AREAS SHALL BE REVEGETATED AS SOON AS THE RELEVANT WORKS ARE COMPLETED.
9. ALL SEDIMENT BASINS AND TRAPS SHALL BE CLEANED WHEN THE STRUCTURES ARE A MAXIMUM 60% FULL OF SOLID MATERIALS, INCLUDING DURING THE MAINTENANCE PERIOD.
10. 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.
11. 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").
12. ALL CONTRACTORS AND SUBCONTRACTORS ARE RESPONSIBLE FOR REDUCING THE SOIL EROSION AND POLLUTION OF DOWNSLOPE AREAS.
13. 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 GROUNDCOVER MORE THAN 70%, USING MATERIALS THAT CAN CATER FOR CONCENTRATED FLOWS.
14. WORKS ARE TO BE UNDERTAKEN IN THE FOLLOWING SEQUENCE. EACH SUBSEQUENT STAGE IS NOT TO COMMENCE UNTIL THE PREVIOUS ONE IS COMPLETE:-

a. INSTALL ALL BARRIER AND SEDIMENT FENCING WHERE SHOWN ON THE PLAN AND TO DETAIL(SD) 6-8.
b. CONSTRUCT STABILISED SITE ACCESS AS SHOWN ON THE PLAN AND TO DETAIL (SD) 6-14.
c. CONSTRUCT LOW FLOW EARTH BANKS WHERE SHOWN ON THE PLAN AND TO DETAIL (SD) 5-5.
d. 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.
e. PLACE SEDIMENT FENCING (SD) 6-8 DOWNSLOPE OF LANDS TO BE DISTURBED FOR CONSTRUCTION OF THE SEDIMENT BASINS.
f. CONSTRUCT SEDIMENT BASIN(S) GENERALLY IN ACCORDANCE WITH (SD) 6-4
g. STABILISE LAND SURFACES DISTURBED BY CONSTRUCTION OF THE SEDIMENT BASIN(S) AS SOON AS FINAL LEVELS ARE ESTABLISHED
h. 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.
i. UNDERTAKE ALL ESSENTIAL CONSTRUCTION WORKS.
j. GRADE LOT AREAS TO FINAL GRADES AND APPLY PERMANENT STABILISATION (LANDSCAPING) WITHIN 14 DAYS OF COMPLETION OF CONSTRUCTION WORKS.
k. REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER THE PERMANENT LANDSCAPING HAS BEEN COMPLETED.
15. CLEARLY VISIBLE BARRIER FENCING SHALL BE INSTALLED WHERE DIRECTED BY THE SITE SUPERINTENDENT TO CONTROL AND PROHIBIT UNNECESSARY SITE DISTURBANCE
16. EARTH BATTERS SHALL BE CONSTRUCTED WITH AS LOW A GRADIENT AS PRACTICABLE BUT NO STEEPER THAN:-

a. 2(h) - 1(v) WHERE SLOPE LENGTH IS LESS THAN 7m
b. 2.5(h) - 1(v) WHERE SLOPE LENGTH IS BETWEEN 7m AND 10m
c. 3(h) - 1(v) WHERE SLOPE LENGTH IS BETWEEN 10m AND 12m
d. 4(h) - 1(v) WHERE SLOPE LENGTH IS BETWEEN 12m AND 18m
e. 5(h) - 1(v) WHERE SLOPE LENGTH IS BETWEEN 18m AND 27m
f. 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.

Plotted: 1 December, 2021 8:17:26 AM File Name: J:\110670 - Bonnyrigg\02 - Stage 8 To 11\CD\DA\110670-02-DA700.dwg

B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20	
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20	
	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:

NSW GOVERNMENT

Land & Housing Corporation

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.

BONNYRIGG LIVING COMMUNITIES PROJECT

STAGES 1 & 2

SOIL & WATER MANAGEMENT CALCULATIONS

NOTES AND DETAILS

PROJECT No:

110670

SHEET No:

DA700

AZIMUTH: M.G.A.

DATUM: A.H.D.

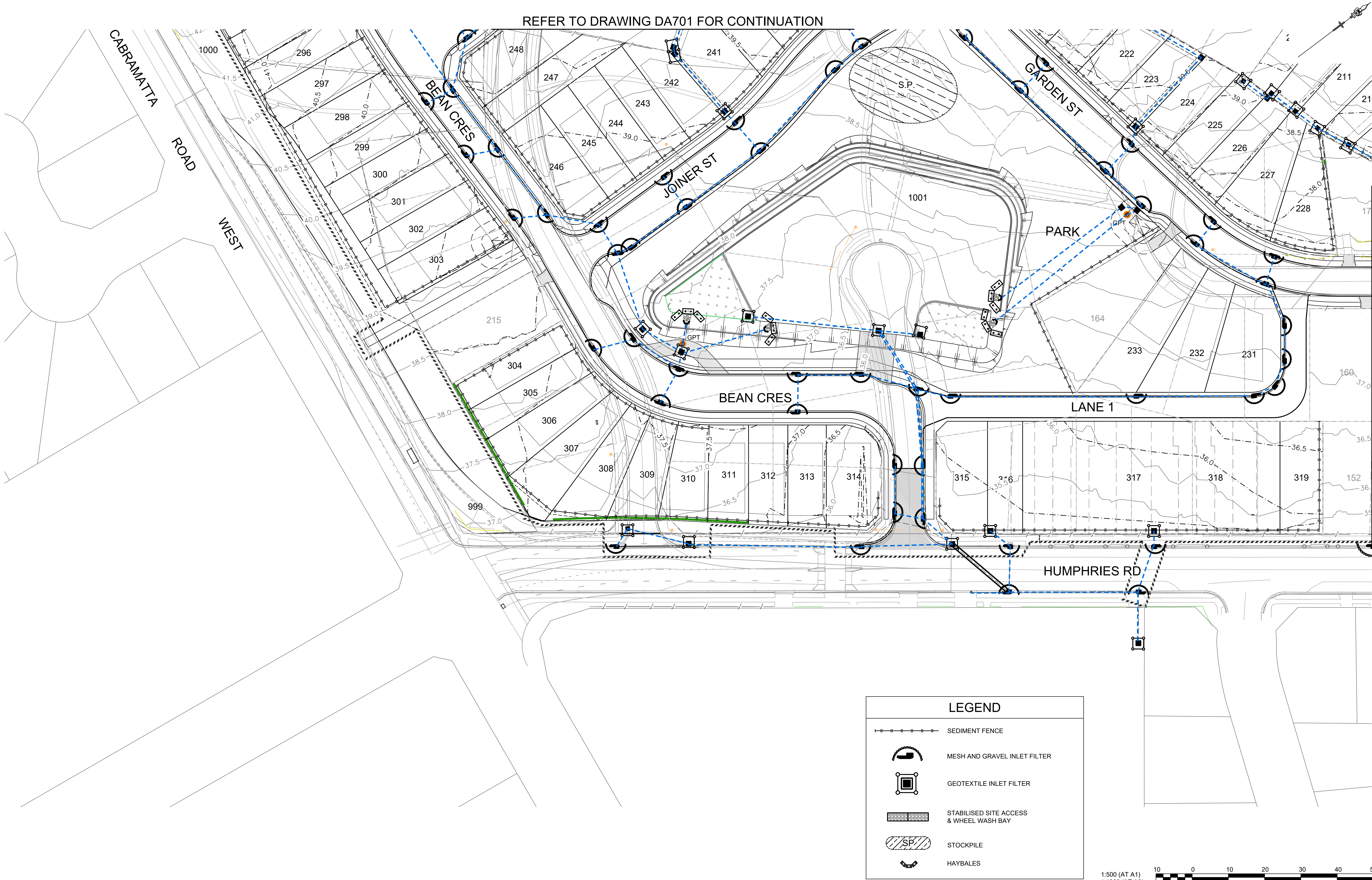
ORIGIN:

PLAN No: 110670-02-DA700

B

REFER TO DRAWING DA701 FOR CONTINUATION

REFER TO DRAWING DA704 FOR CONTINUATION



LEGEND

- SEDIMENT FENCE
- MESH AND GRAVEL INLET FILTER
- GEOTEXTILE INLET FILTER
- STABILISED SITE ACCESS & WHEEL WASH BAY
- STOCKPILE
- HAYBALES



E	GPT MOVED	GA	GA	MS	DJ	01/12/21
D	ISSUE FOR DA APPROVAL	GA	NM	MS	DJ	19/11/21
C	STORMWATER UPDATED	GA	JM	DJ	DJ	01/09/21
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20
	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:

NSW GOVERNMENT **Land & Housing Corporation**

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.

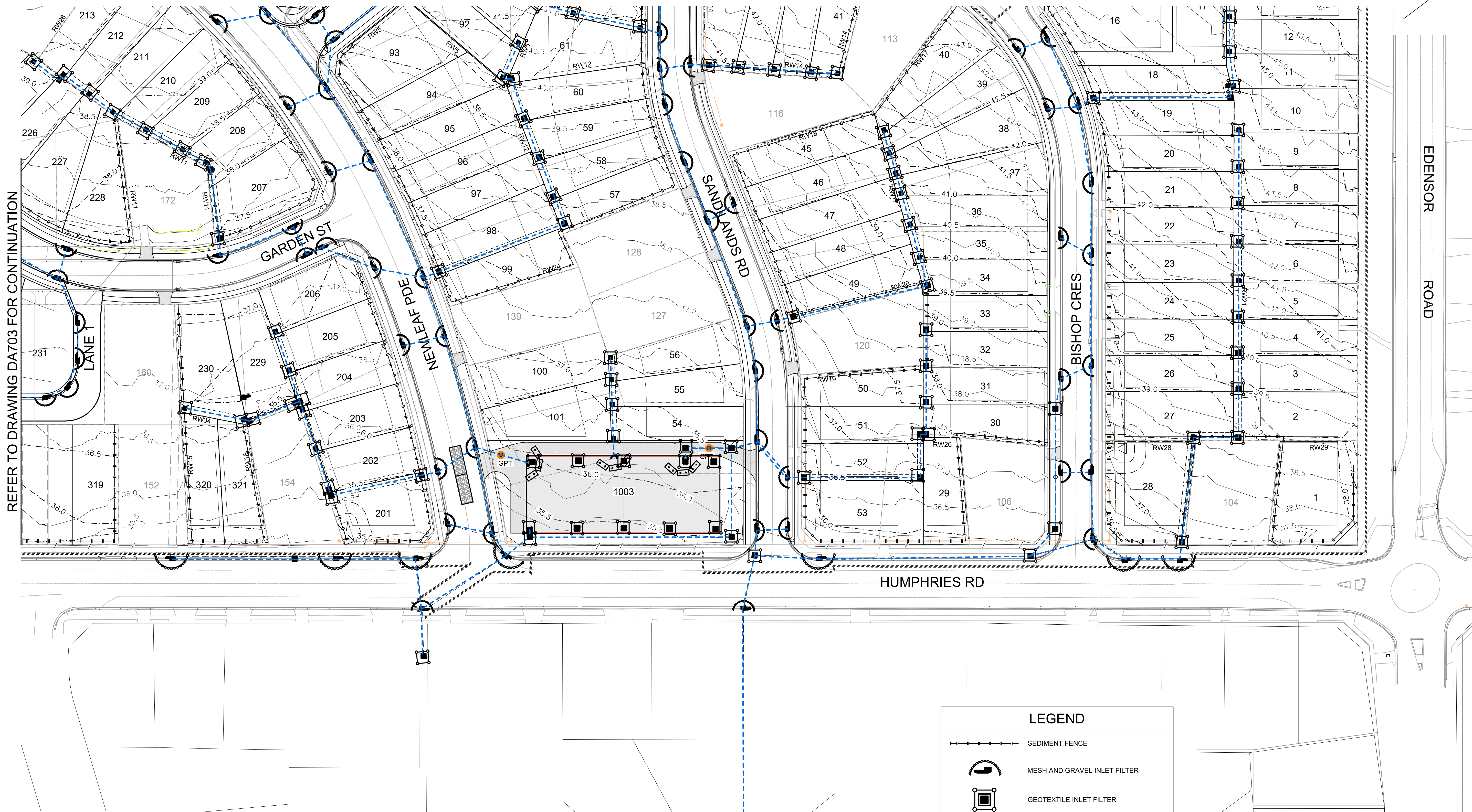
BONNYRIGG LIVING COMMUNITIES PROJECT
STAGES 1 & 2
SOIL & WATER MANAGEMENT PLAN
SHEET 3

PROJECT No: **110670**
SHEET No: **DA703**

AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: PLAN No: **110670-02-DA703**

E

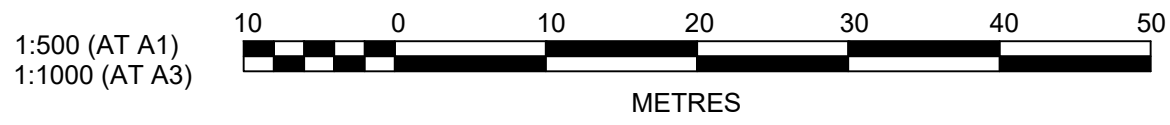
REFER TO DRAWING DA702 FOR CONTINUATION



REFER TO DRAWING DA703 FOR CONTINUATION

LEGEND

- SEDIMENT FENCE
- MESH AND GRAVEL INLET FILTER
- GEOTEXTILE INLET FILTER
- STABILISED SITE ACCESS & WHEEL WASH BAY
- STOCKPILE
- HAYBALES



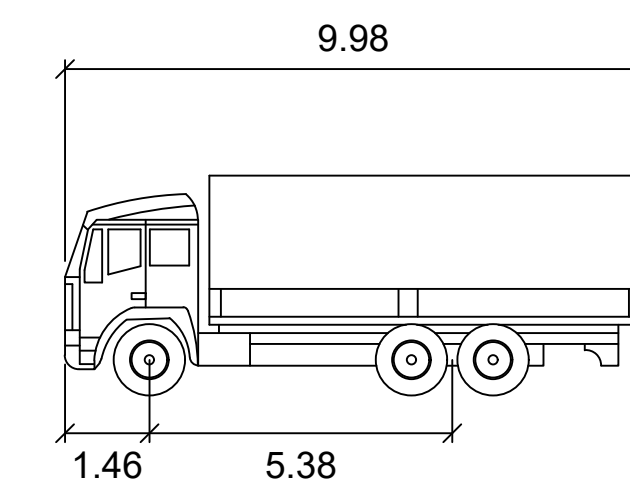
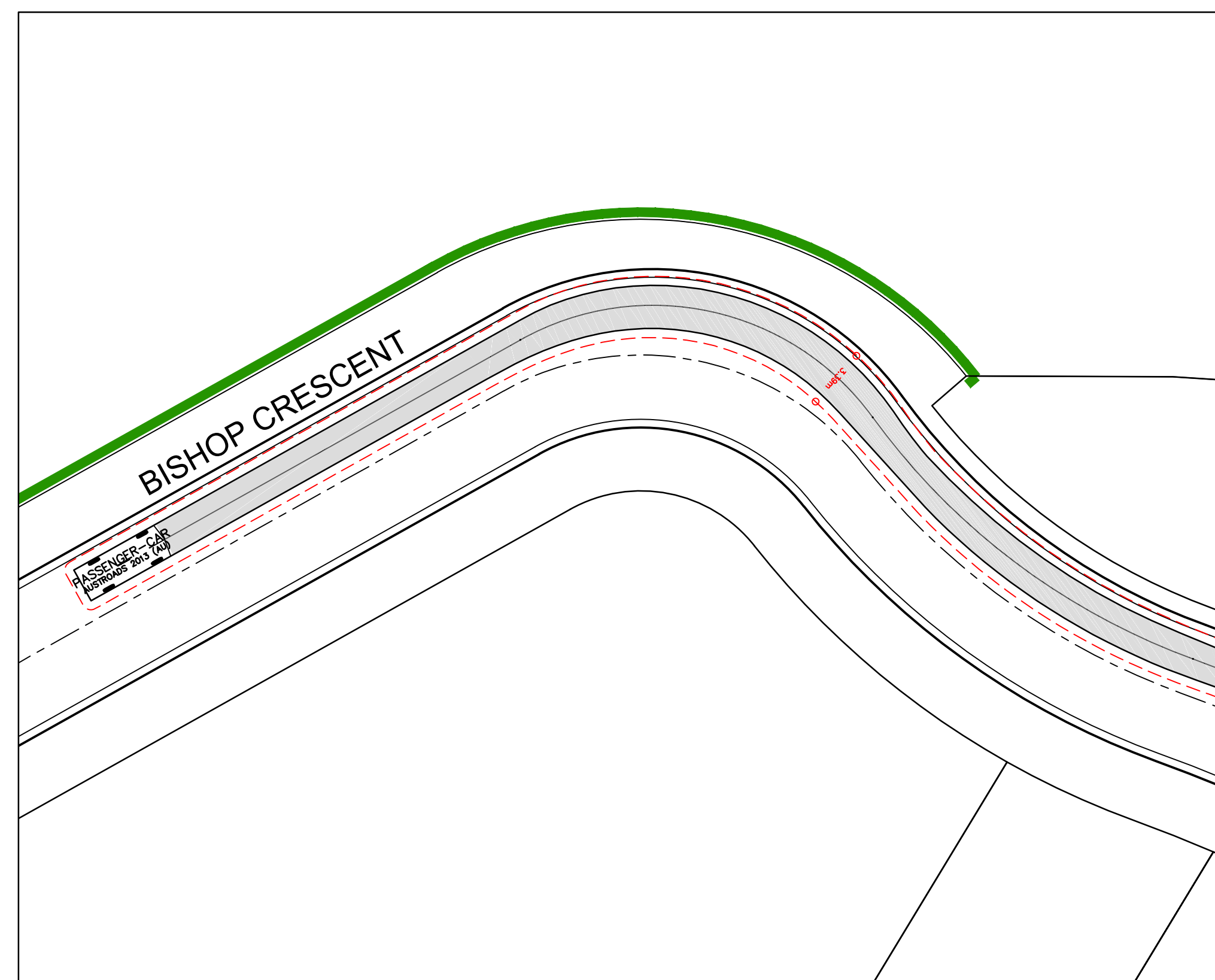
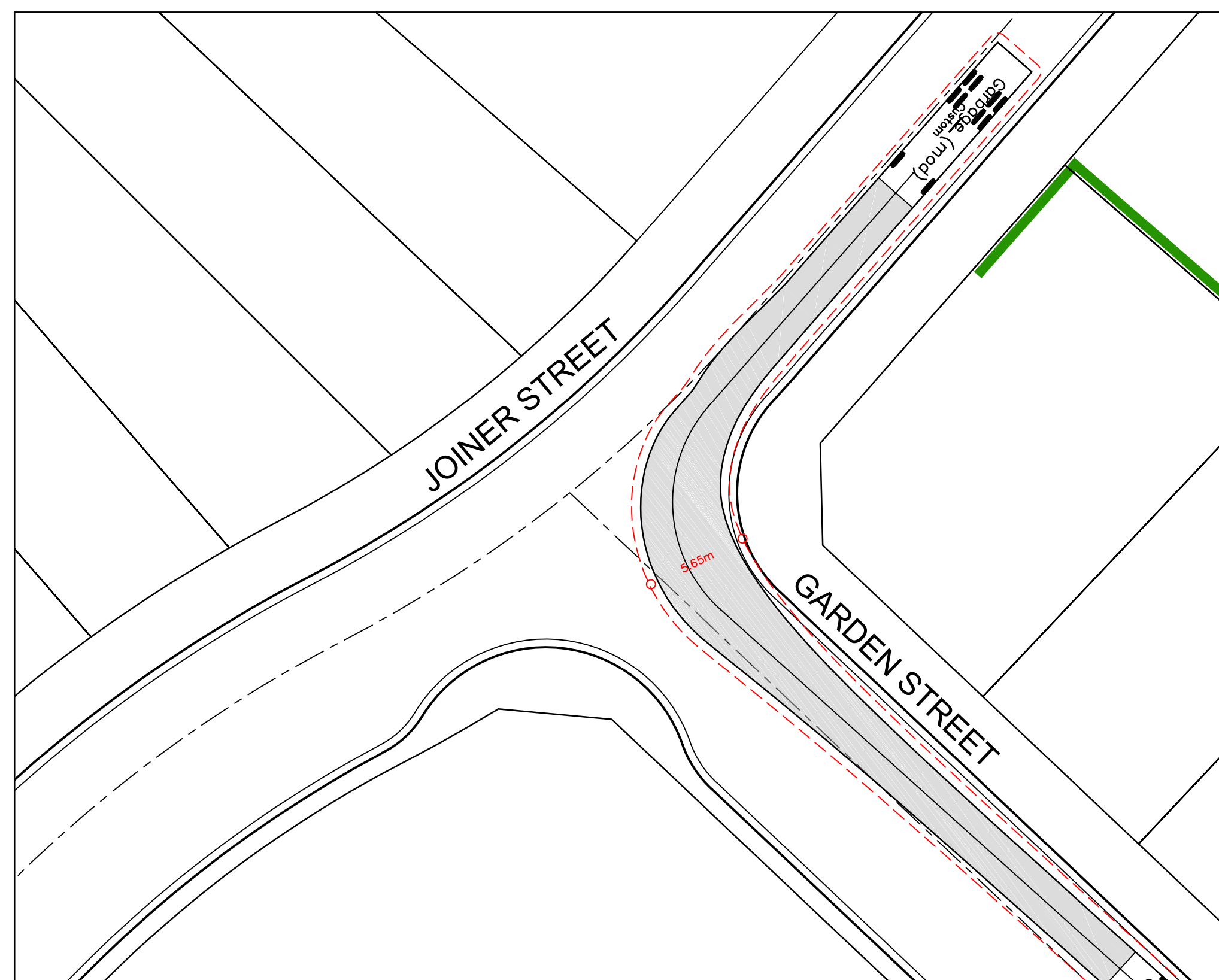
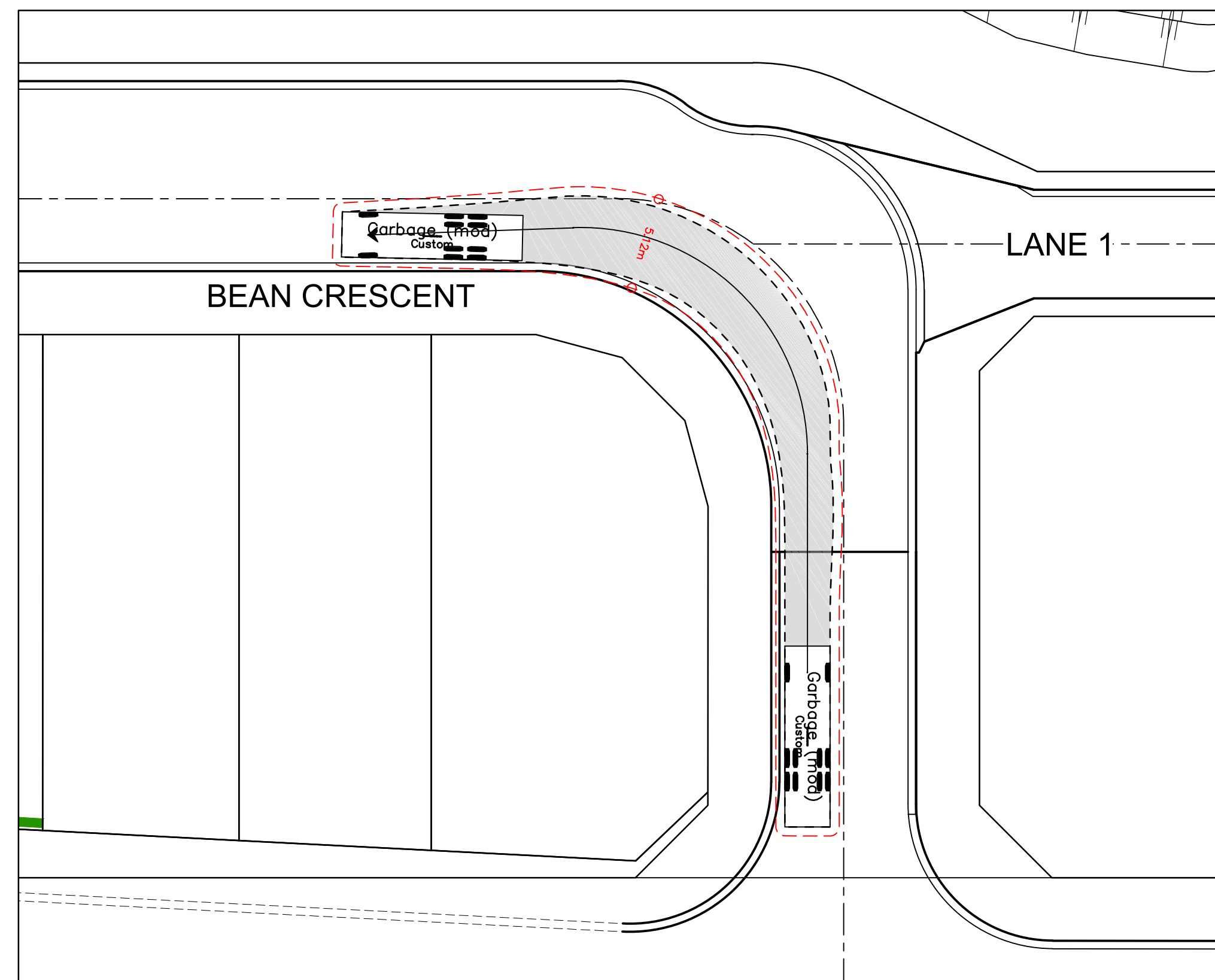
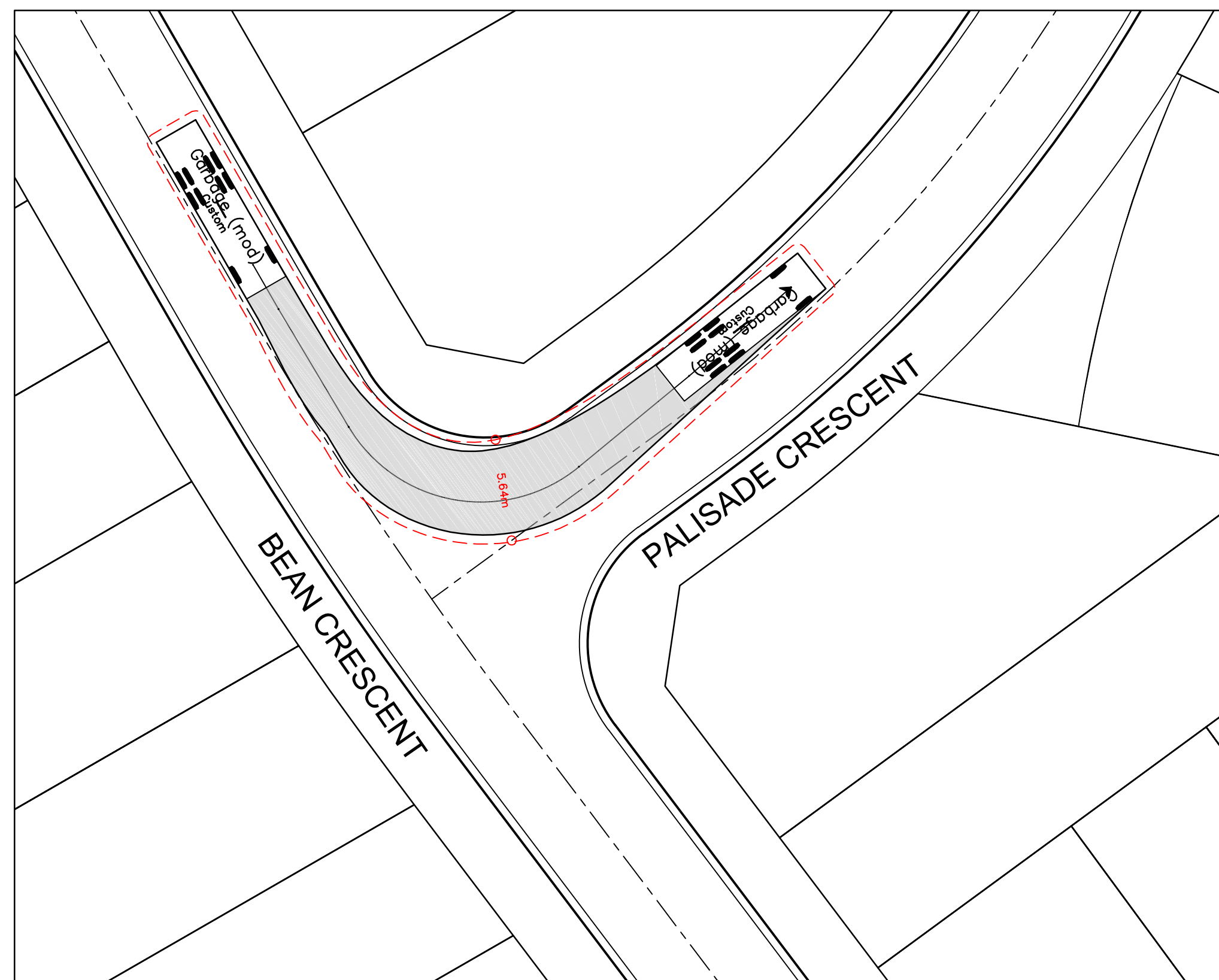
E	GRATES ADDED	GA	GA	MS	DJ	01/12/21
D	ISSUE FOR DA APPROVAL	GA	NM	MS	DJ	19/11/21
C	BASIN UPDATED	GA	GA	JB	MS	14/10/21
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20
AMENDMENT		DES	DRN	CKD	APR	DATE

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

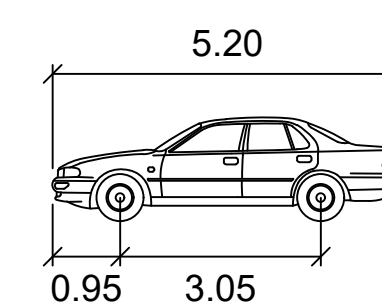
CLIENT:
 Land & Housing Corporation

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.

BONNYRIGG LIVING COMMUNITIES PROJECT STAGES 1 & 2 SOIL & WATER MANAGEMENT PLAN SHEET 4				PROJECT No: 110670
				SHEET No: DA704
AZIMUTH: M.G.A.	DATUM: A.H.D.	ORIGIN:	PLAN No: 110670-02-DA704	E



Garbage (mod)	
	meters
Width	: 2.50
Track	: 2.50
Lock to Lock Time	: 6.0
Steering Angle	: 36.6



PASSENGER-CAR

	meters
Width	: 1.94
Track	: 1.84
Lock to Lock Time	: 6.0
Steering Angle	: 33.6

C	ISSUE FOR DA APPROVAL	GA	NM	MS	DJ	19/11/20
B	ISSUE FOR DA APPROVAL	GA	VS	MS	DJ	26/10/20
A	ISSUE FOR DA APPROVAL	GA	NDW	MS	PM	28/08/20
	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:



Land & Housing Corporation

STATUS:

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

BONNYRIGG LIVING COMMUNITIES PROJECT
STAGES 1 & 2
TURNING PATH PLAN
SHEET 1

AZIMUTH: M.G.A.

DATUM: A.H.D.

ORIGIN:

PLAN No:	110670-02-DA800
----------	-----------------

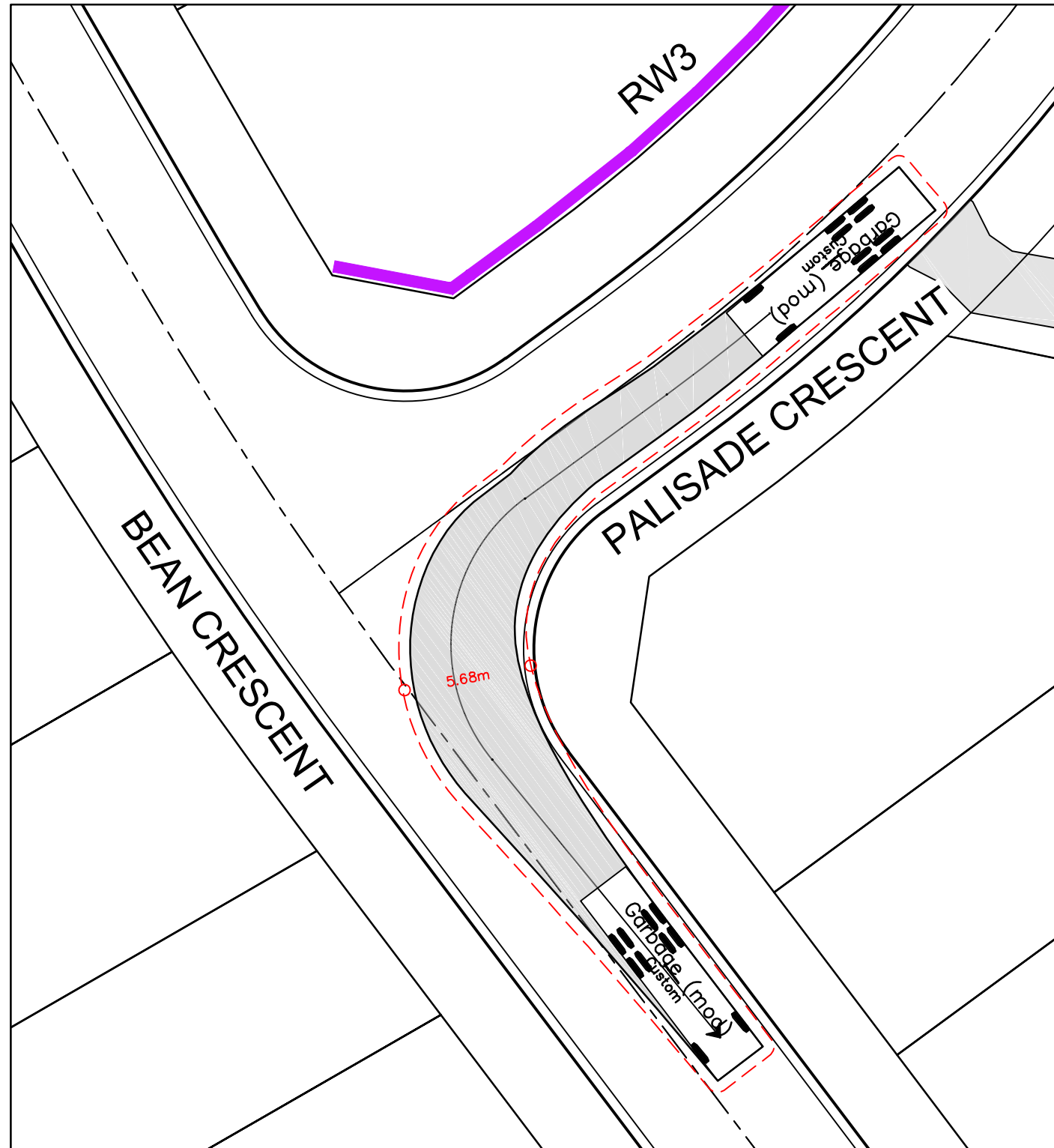
PROJECT No.

110670

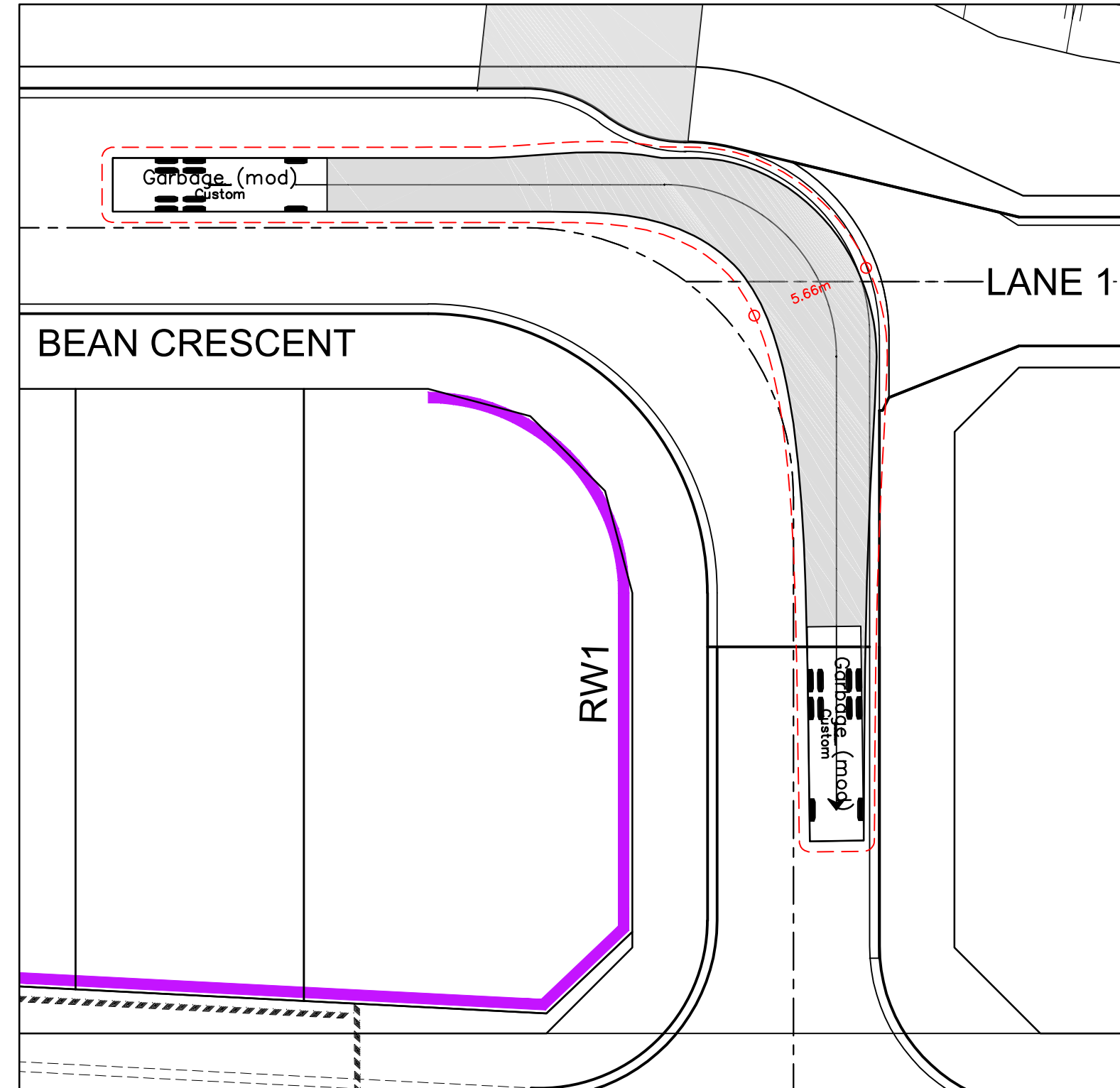
SHEET No:

DA800

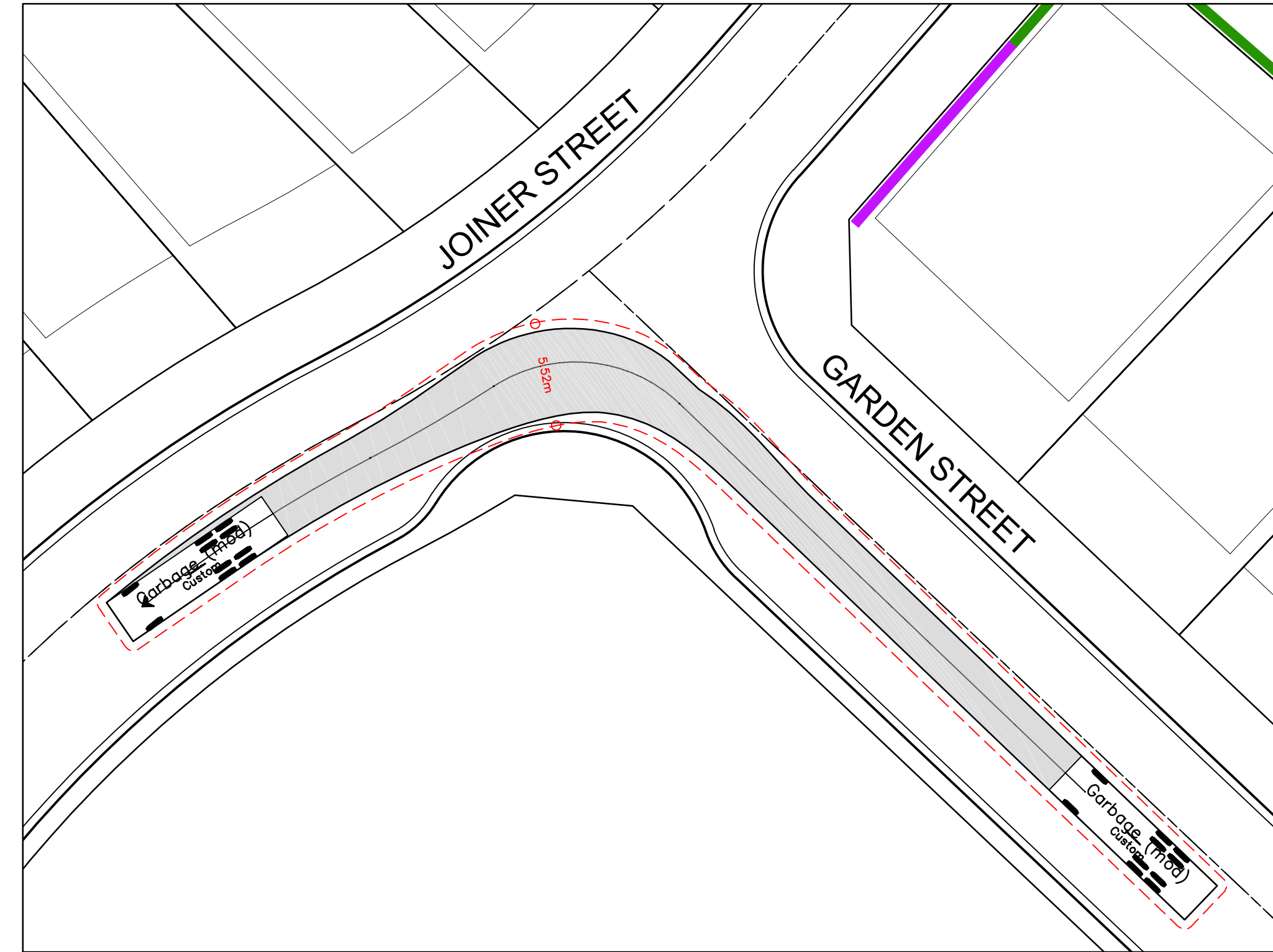
T	Q
---	---



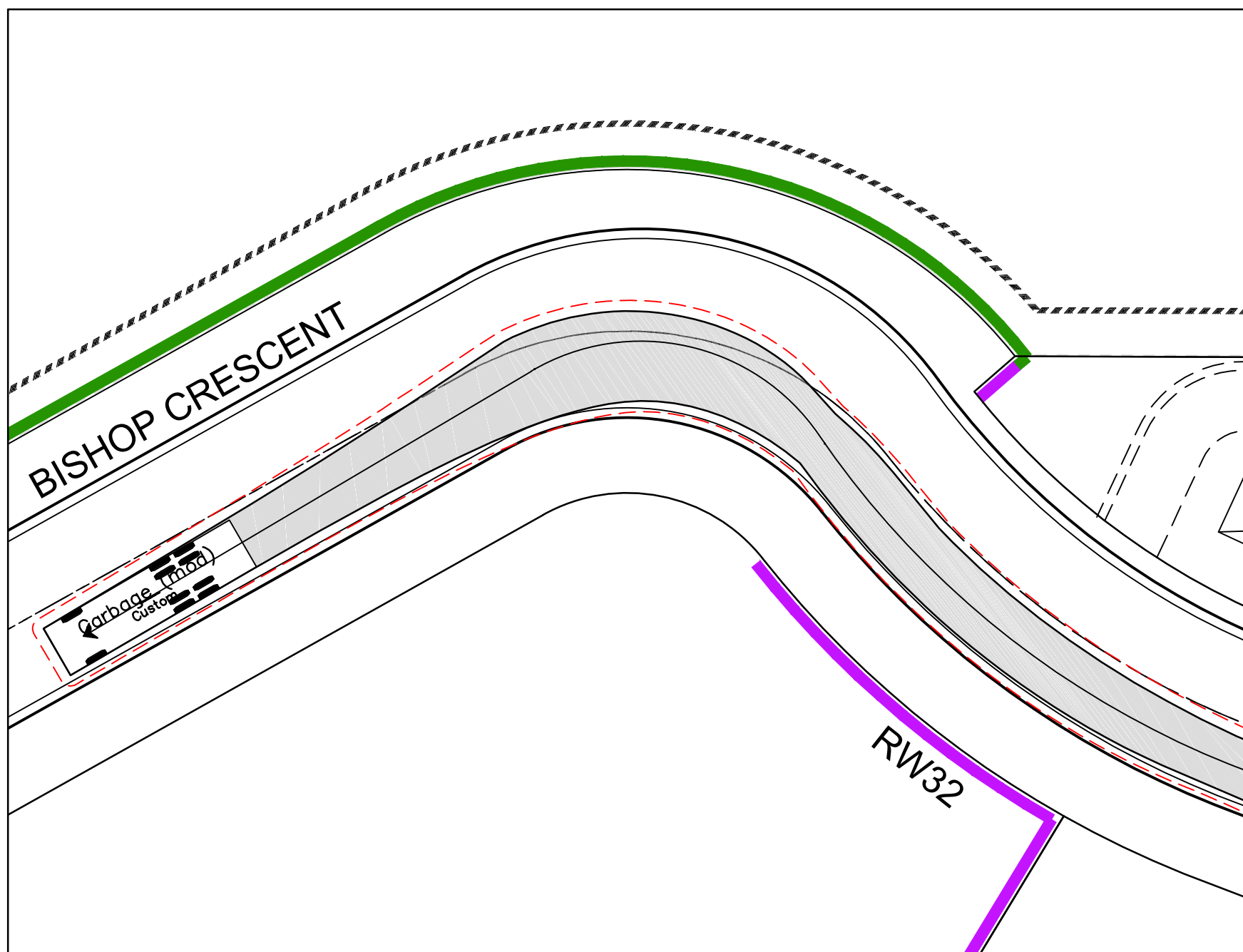
TURNING PATH 1
GARBAGE TRUCK



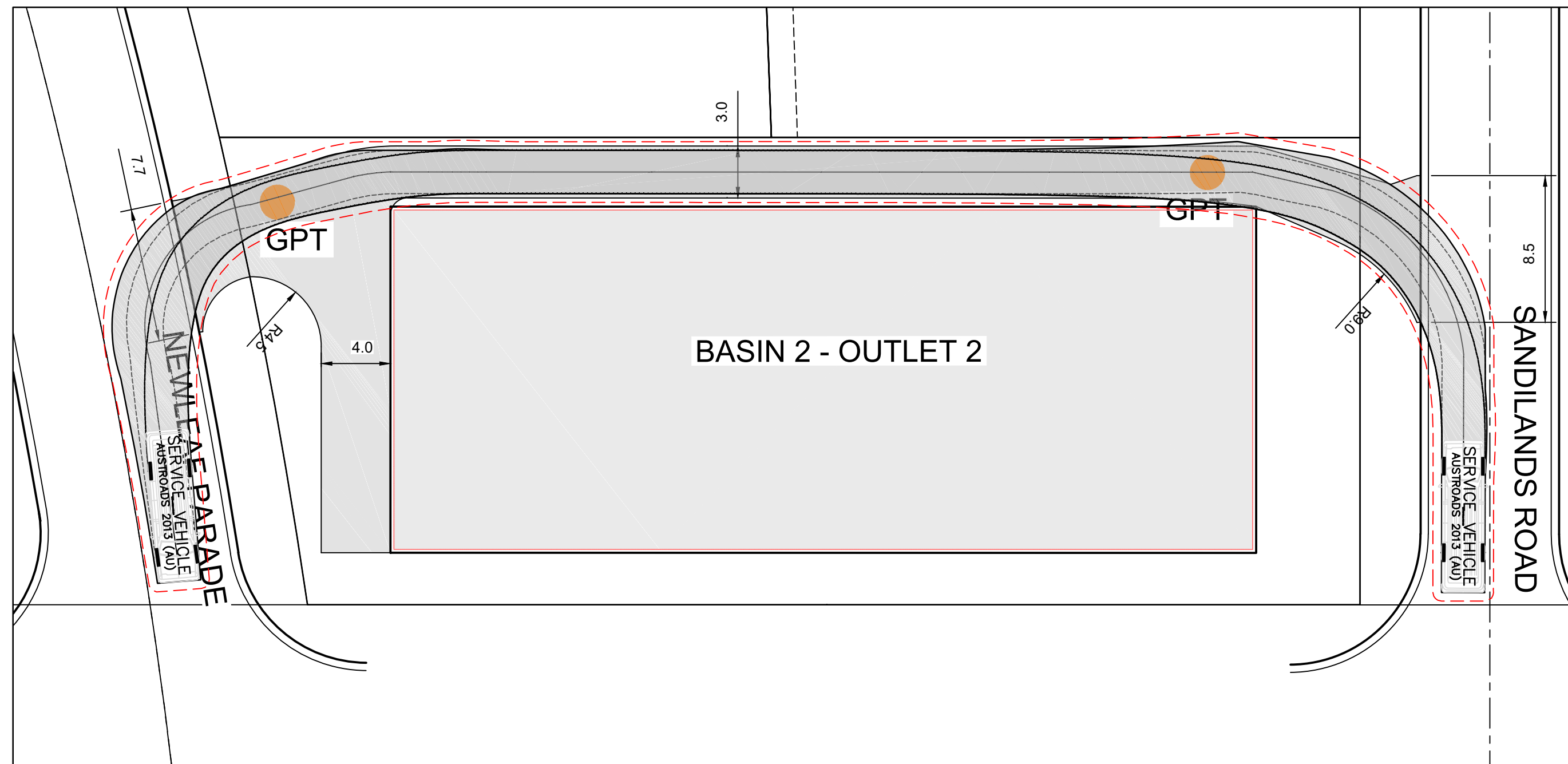
TURNING PATH 2
GARBAGE TRUCK OUTSIDE / PASSENGER CAR INSIDE



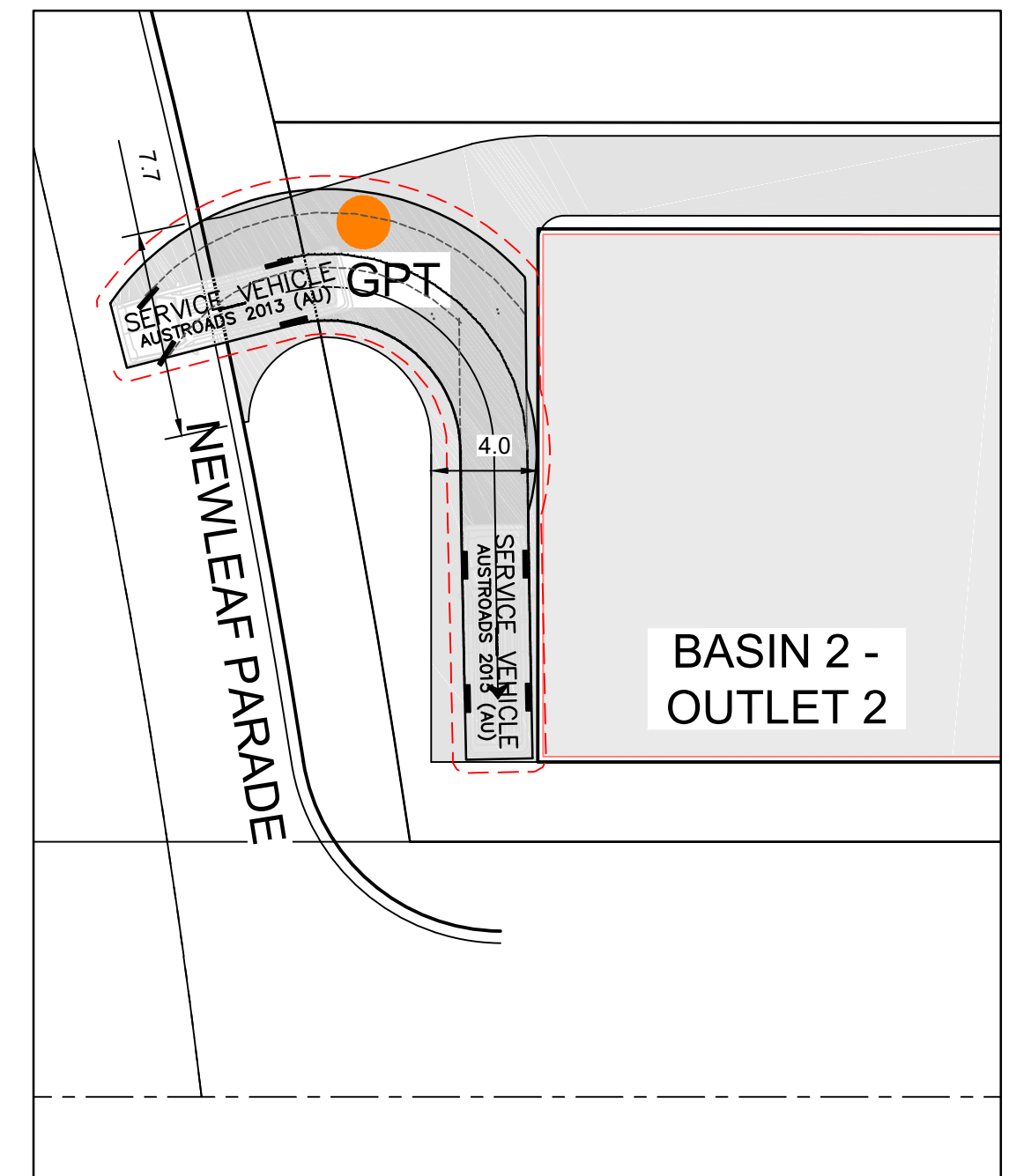
TURNING PATH 3
GARBAGE TRUCK



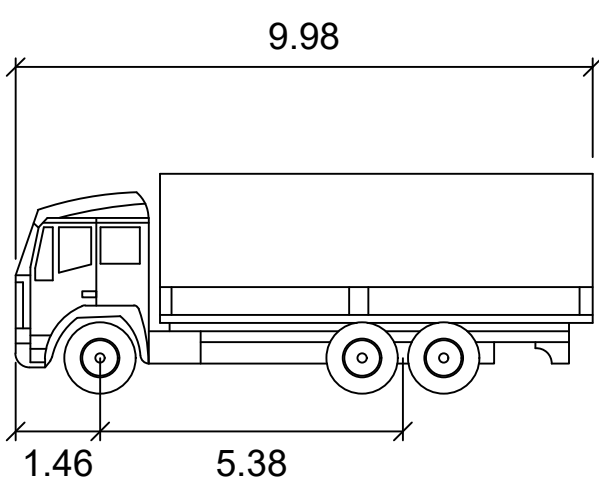
TURNING PATH 4
PASSENGER CAR OUTSIDE / GARBAGE TRUCK INSIDE



TURNING PATH 5
SERVICE VEHICLE - MAINTENANCE ACCESS

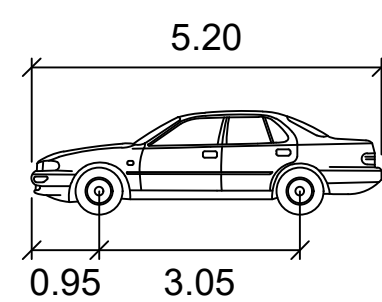


TURNING PATH 6
SERVICE VEHICLE - MAINTENANCE ACCESS
TURNING HEAD



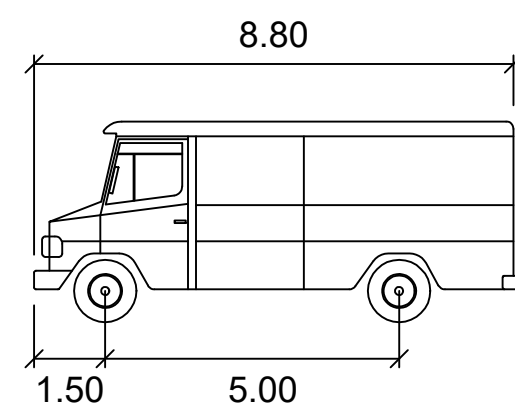
Garbage (mod)

Width	: 2.50
Track	: 2.50
Lock to Lock Time	: 6.0
Steering Angle	: 36.6



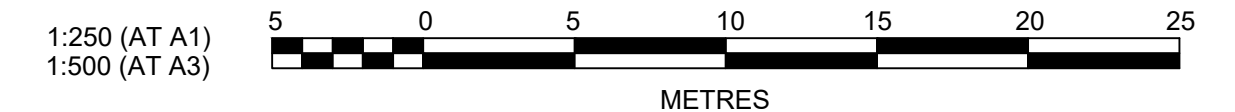
PASSENGER-CAR

Width	: 1.94
Track	: 1.84
Lock to Lock Time	: 6.0
Steering Angle	: 33.6



SERVICE VEHICLE

Width	: 2.50
Track	: 2.50
Lock to Lock Time	: 6.0
Steering Angle	: 38.7



Plotted: 1 December 2021 8:20:29 AM File Name: J:\110670 - Bonnyrigg\02 - Stage 8 To 11\CD\DA\110670-02-DA801.dwg

REV	DESCRIPTION	DATE	BY	CHKD	APPD
D	ISSUE FOR DA APPROVAL	19/11/21	DJ	MS	GA
C	BASIN UPDATED	14/10/21	DJ	MS	GA
B	ISSUE FOR DA APPROVAL	26/10/20	DJ	MS	GA
A	ISSUE FOR DA APPROVAL	28/08/20	PM	MS	GA
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:
NSW GOVERNMENT
Land & Housing Corporation

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.

BONNYRIGG LIVING COMMUNITIES PROJECT
STAGES 1 & 2
TURNING PATH PLAN
SHEET 2

PROJECT No: **110670**
SHEET No: **DA801**

PLAN No: **110670-02-DA801**

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