



LEGACYPROPERTY

# CADDENS HILL STAGE 7

## PROPOSED SUBDIVISION & BULK EARTHWORKS



### LOCALITY SKETCH

Prepared By:

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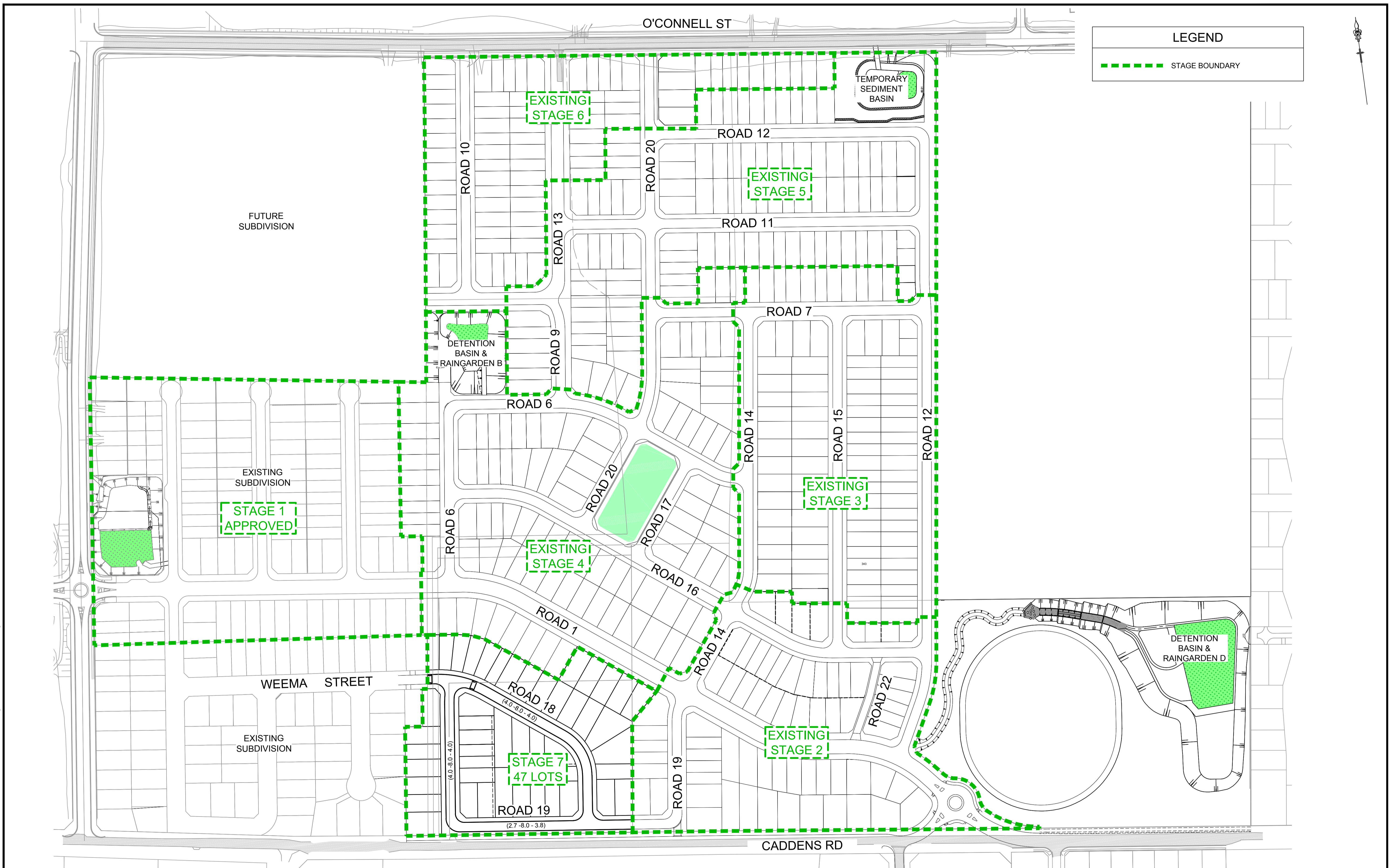
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PLAN No.  
**110358/DA700** C

FILE No. 110358DA700



**LEGEND**

--- STAGE BOUNDARY



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**CADDENS HILL**  
STAGE 7  
SITE LAYOUT PLAN

PLAN No: 110358/DA701 **B**

FILE No: 110358DA701

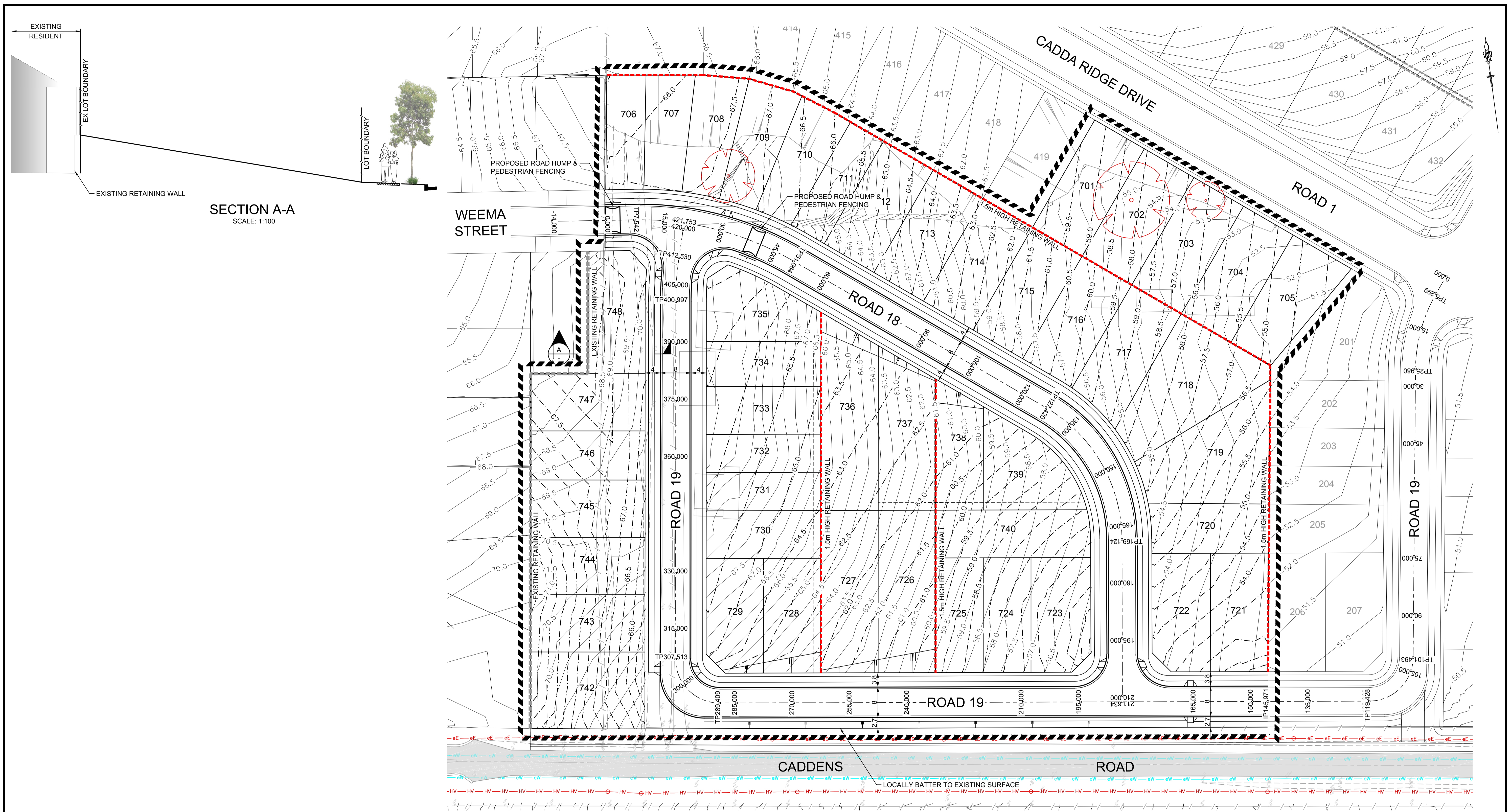
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REV	DESCRIPTION	DES	DRN	CKD	APR	DATE
B	COUNCIL COMMENTS	JT	JT	AM	MS	19/02/17
A	ISSUED FOR APPROVAL	JT	NA	AM	MS	13/09/17
	AMENDMENT	DES	DRN	CKD	APR	DATE

AZIMUTH:  
DATUM:  
ORIGIN:



Plotted: 23 February 2018 12:19:05 PM File Name: J:\110358 - O'Connell Lane Caddens\08 - Stage 7\CADDEN\110358DA702.dwg

AMENDMENT	DES	DRN	CKD	APR	DATE
C	JT	JT	AM	MS	23/02/18
B	JT	JT	AM	MS	19/02/17
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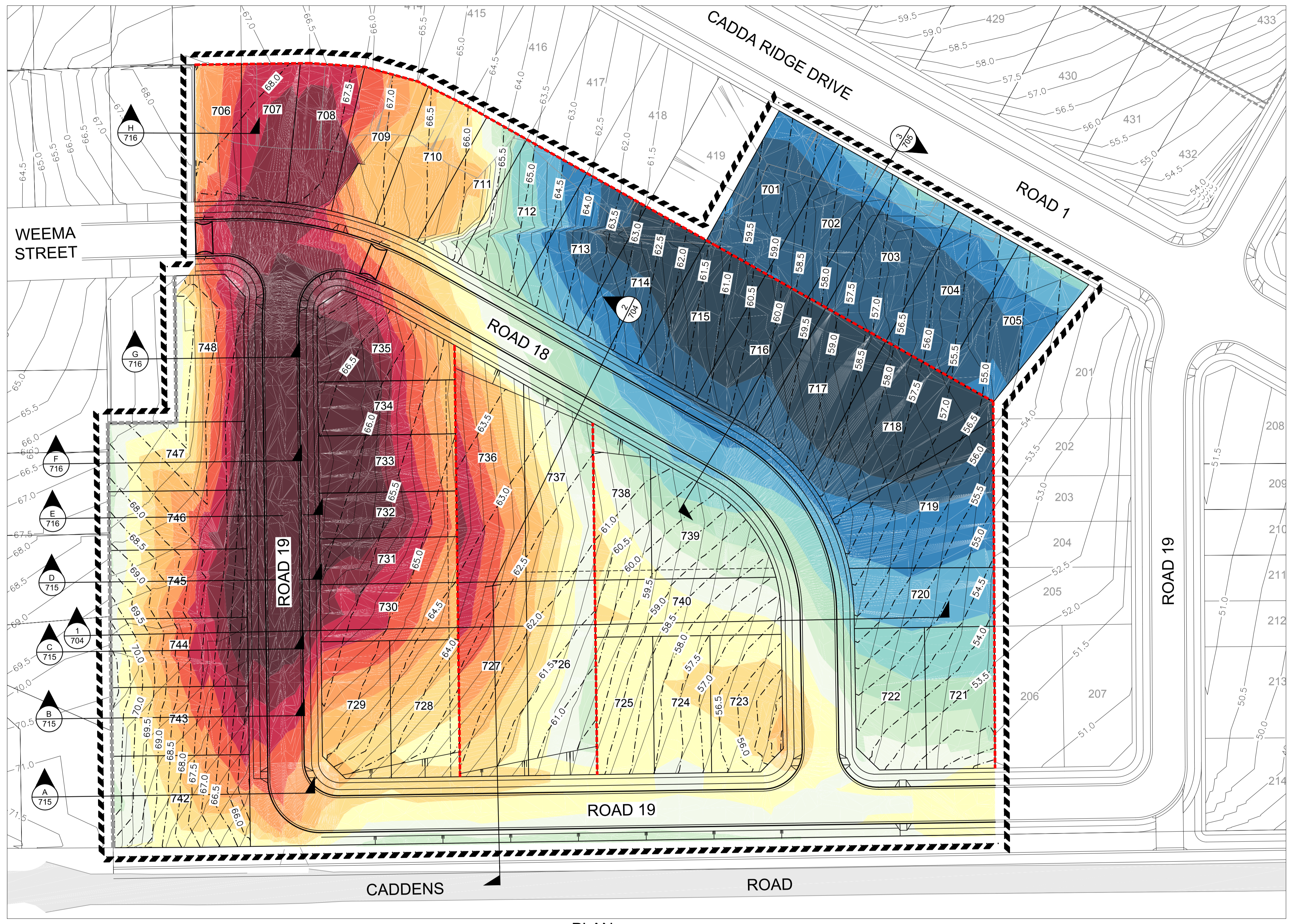
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CADDENS HILL  
 STAGE 7  
 ENGINEERING PLAN

PLAN No: 110358/DA702 **C**  
 FILE No: 110358DA702  
 SHEET SIZE: A1 ORIGINAL



**VOLUMES (EXISTING TO DESIGN)**

CUT	FILL	NET (F)
29,254	27,847	1,407

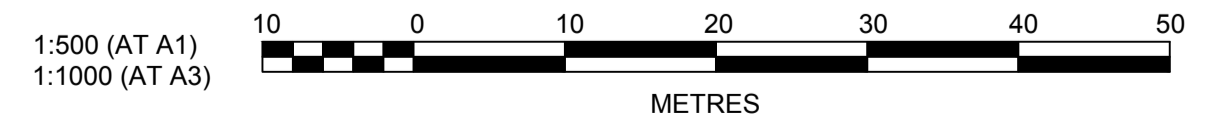
**VOLUME NOTES:**

- VOLUME IS FROM EXISTING TO PROPOSED FINISHED DESIGN LEVELS.
- EXCLUDES TOPSOIL ADJUSTMENTS, ROAD BOXING AND SERVICES TRENCHING.
- EXCLUDES ANY BULKING/COMPACTION.

**CUTFILL LEGEND**

Lower_value	Upper_value	Colour
	<-5.5 m	Dark Purple
-5.5	to -3.5 m	Dark Red
-3.5	to -3 m	Red
-3	to -2.5 m	Orange-Red
-2.5	to -2 m	Orange
-2	to -1.5 m	Light Orange
-1.5	to -1 m	Yellow-Orange
-1	to -0.5 m	Yellow
-0.5	to 0 m	Light Yellow
0	to 0.5 m	Light Green
0.5	to 1 m	Green
1	to 1.5 m	Light Blue-Green
1.5	to 2 m	Light Blue
2	to 2.5 m	Blue
2.5	to 3 m	Dark Blue
3	to 3.5 m	Very Dark Blue
3.5	to 5.5 m	Black
>5.5	m	Dark Green

PLAN  
SCALE 1:500



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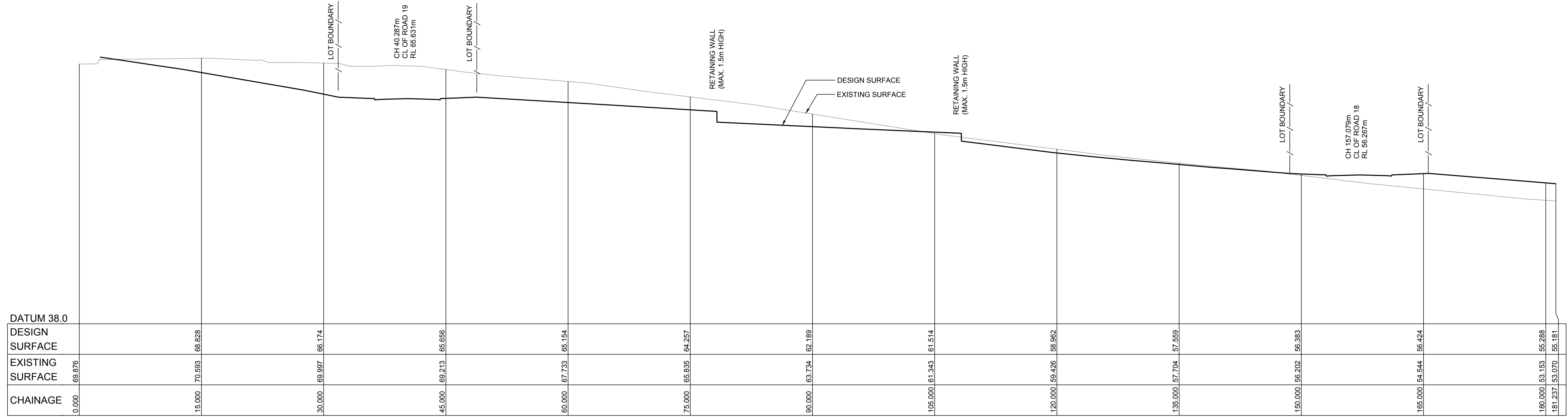
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CADDENS HILL  
STAGE 7  
BULK EARTHWORKS PLAN

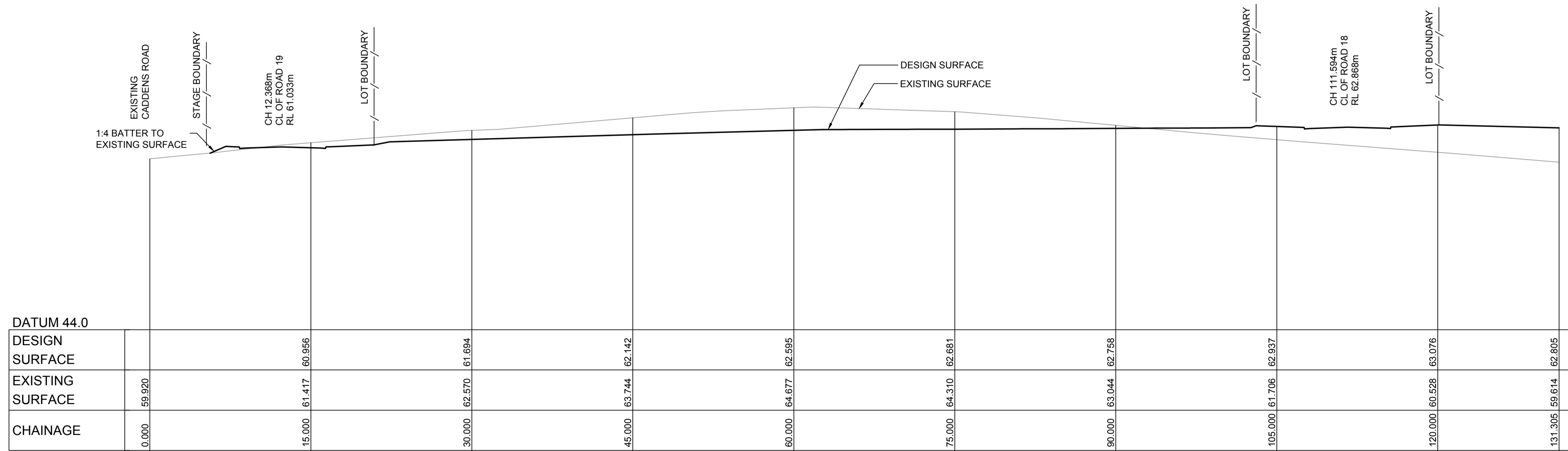
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FILE No:	110358DA703	
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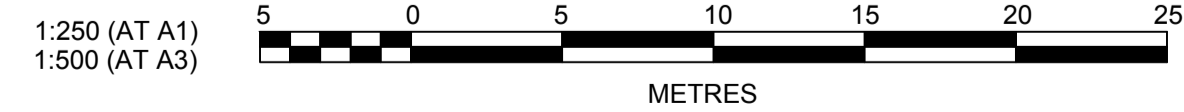
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SECTION 1  
SCALE 1:250



SECTION 2  
SCALE 1:250



AMENDMENT	DES	DRN	CKD	APR	DATE
C	JT	JT	AM	MS	23/02/18
B	JT	JT	AM	MS	19/02/17
A	JT	NA	AM	MS	13/09/17

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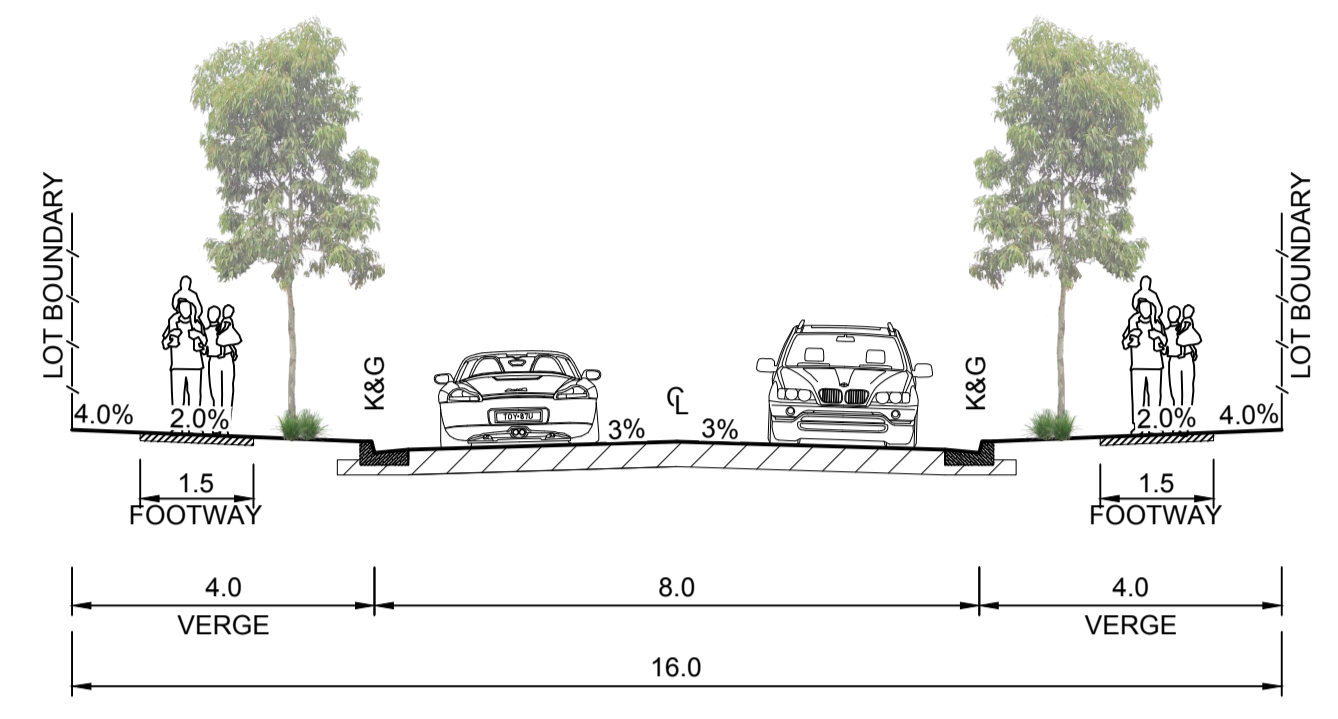
**CADDENS HILL**  
STAGE 7  
SITE SECTIONS

PLAN No: **110358/DA704** C

FILE No: 110358DA704

SHEET SIZE: A1 ORIGINAL

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

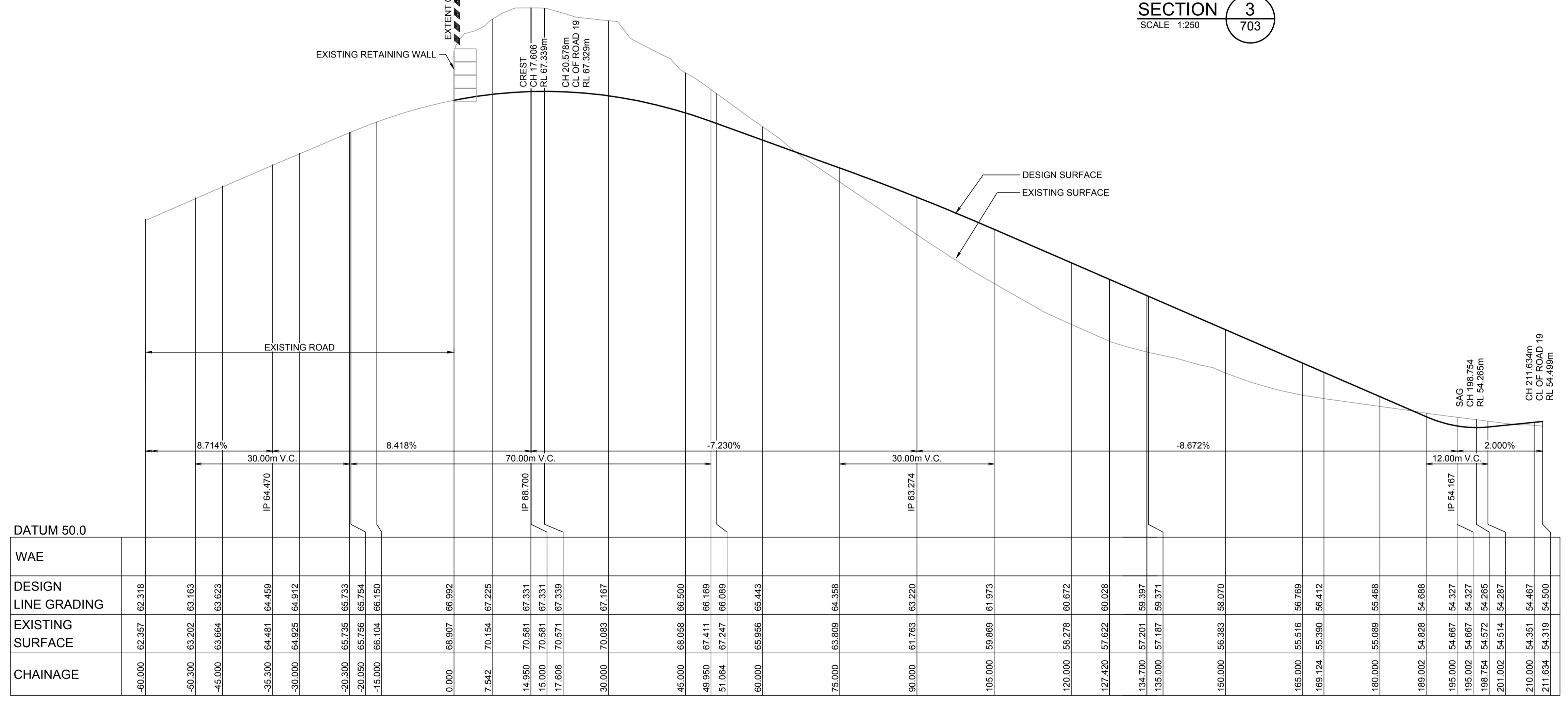


**TYPICAL CROSS SECTION**  
ROAD 18 (CH 0.000 - CH 211.634)  
SCALE 1:100

DATUM 39.0

CHAINAGE	0.000	15.000	30.000	45.000	60.000	75.000	90.000	101.500
DESIGN SURFACE		57.301	57.815	59.553	59.954	60.345	60.395	60.082
EXISTING SURFACE	57.000	56.250	54.472	55.182	56.385	57.272	58.481	59.298

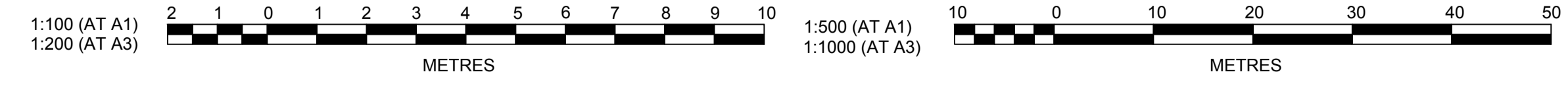
**SECTION 3**  
SCALE 1:250  
703



DATUM 50.0

CHAINAGE	0.000	15.000	30.000	45.000	60.000	75.000	90.000	105.000	120.000	127.420	134.700	135.000	150.000	165.000	168.124	180.000	189.002	195.000	195.002	198.754	201.002	210.000	211.634														
WAE																																					
DESIGN LINE GRADING	62.318	63.163	63.623	64.459	64.912	65.733	65.754	66.104	66.992	67.225	67.331	67.331	67.339	67.167	66.500	66.169	66.089	65.443	64.358	63.220	61.973	60.672	60.028	59.397	59.371	58.070	56.769	56.412	55.468	54.688	54.327	54.327	54.265	54.265	54.287	54.467	54.500
EXISTING SURFACE	62.357	63.202	63.664	64.481	64.925	65.735	65.756	66.104	66.992	67.225	67.331	67.331	67.339	67.167	66.500	66.169	66.089	65.443	64.358	63.220	61.973	60.672	60.028	59.397	59.371	58.070	56.769	56.412	55.468	54.688	54.327	54.327	54.265	54.265	54.287	54.467	54.500

**LONGITUDINAL SECTION ROAD 18**  
HORIZONTAL SCALE 1:500  
VERTICAL SCALE 1:100



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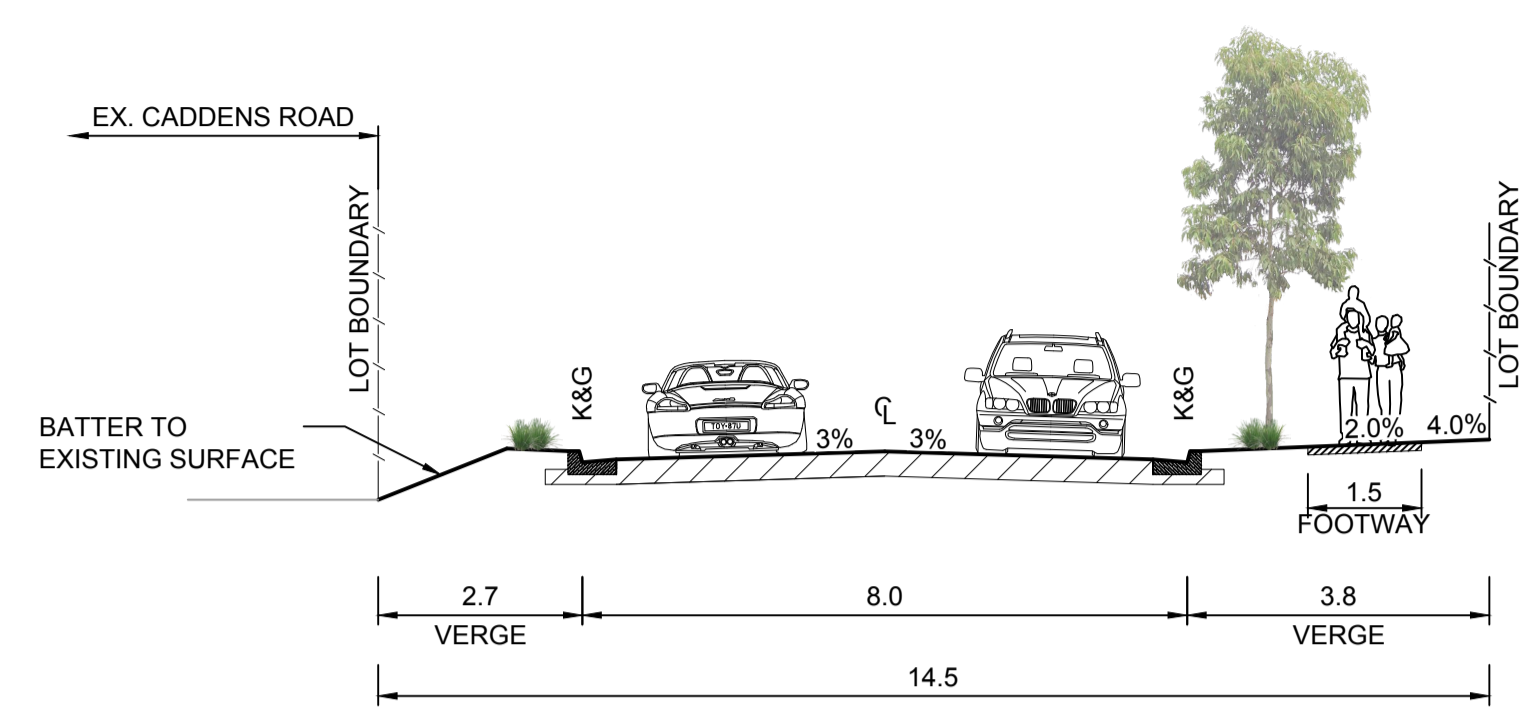
CADDENS HILL  
STAGE 7  
ROAD LONGITUDINAL & TYPICAL CROSS SECTIONS  
SHEET 1

PLAN No: 110358/DA705 **C**  
FILE No: 110358DA705  
SHEET SIZE: A1 ORIGINAL

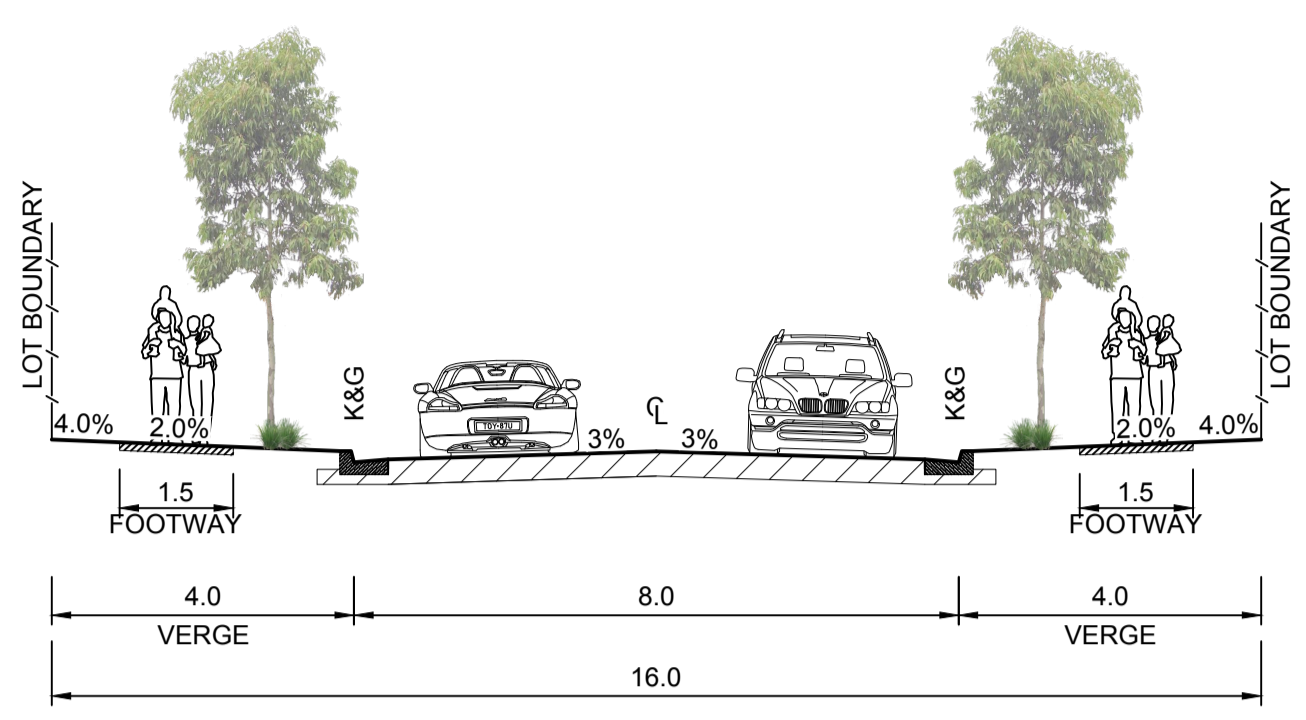
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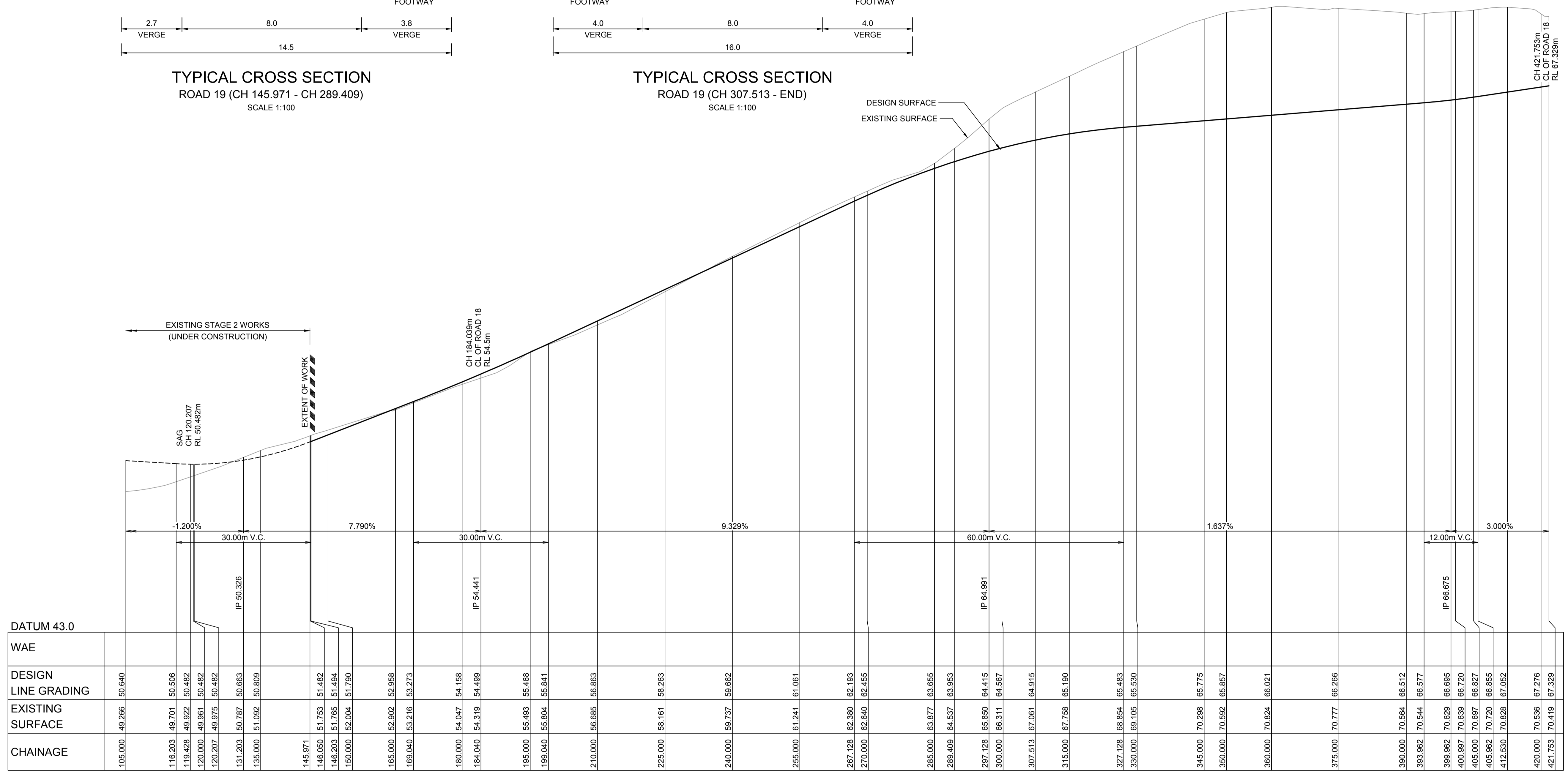
**NOTE:**  
ALL VERGE TO HAVE 4% FALL WITH CONCRETE FOOTPATH & SHARED PATH AT 2%



**TYPICAL CROSS SECTION**  
ROAD 19 (CH 145.971 - CH 289.409)  
SCALE 1:100

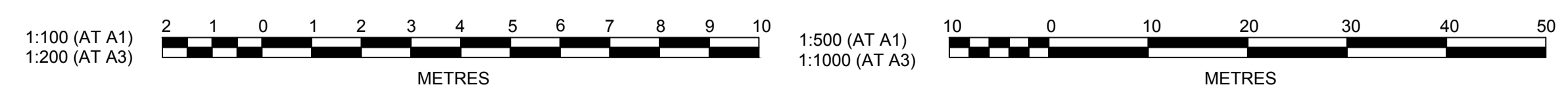


**TYPICAL CROSS SECTION**  
ROAD 19 (CH 307.513 - END)  
SCALE 1:100



**LONGITUDINAL SECTION ROAD 19**  
HORIZONTAL SCALE 1:500  
VERTICAL SCALE 1:100

CHAINAGE	EXISTING SURFACE	DESIGN LINE GRADING
105.000	49.266	50.640
116.203	49.701	50.506
119.428	49.922	50.482
120.000	49.961	50.482
120.207	49.975	50.482
131.203	50.787	50.663
135.000	51.092	50.809
145.971		
146.050	51.753	51.482
146.203	51.765	51.494
150.000	52.004	51.790
165.000	52.902	52.958
169.040	53.216	53.273
180.000	54.047	54.158
184.040	54.319	54.499
195.000	55.493	55.468
199.040	55.804	55.841
210.000	56.665	56.863
225.000	58.161	59.263
240.000	59.737	59.662
255.000	61.241	61.061
267.128	62.380	62.193
270.000	62.640	62.455
285.000	63.877	63.655
289.409	64.537	63.953
297.128	65.650	64.415
300.000	66.311	64.567
307.513	67.061	64.915
315.000	67.758	65.190
327.128	68.654	65.483
330.000	69.105	65.530
345.000	70.298	65.775
350.000	70.592	65.857
360.000	70.824	66.021
375.000	70.777	66.266
390.000	70.564	66.512
393.982	70.544	66.577
399.982	70.629	66.695
400.987	70.639	66.720
405.000	70.697	66.827
405.982	70.720	66.855
412.530	70.628	67.052
420.000	70.536	67.276
421.753	70.419	67.328



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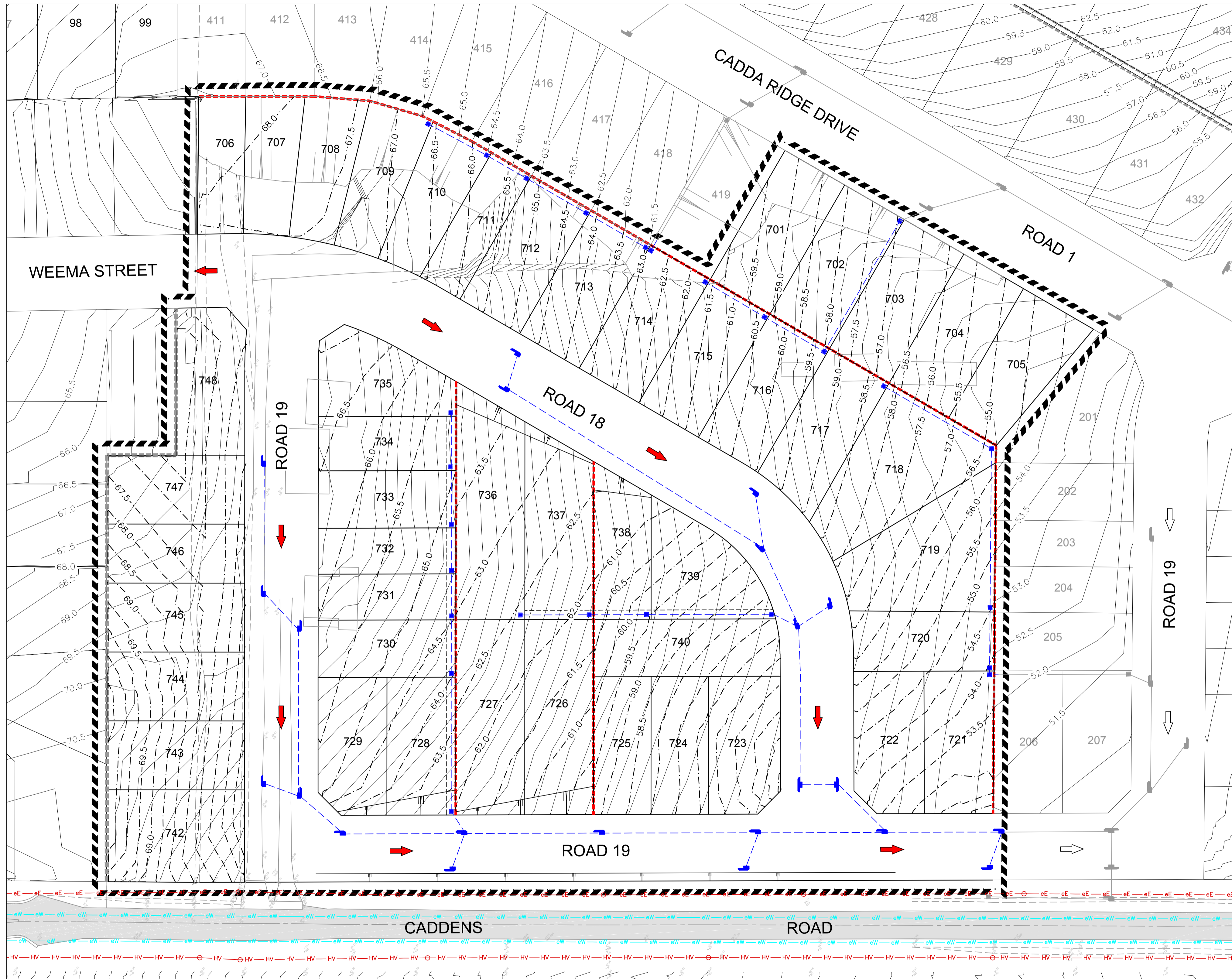
CADDENS HILL  
STAGE 7  
ROAD LONGITUDINAL & TYPICAL CROSS SECTIONS  
SHEET 2

PLAN No: 110358/DA706 **B**  
FILE No: 110358DA706  
SHEET SIZE: A1 ORIGINAL

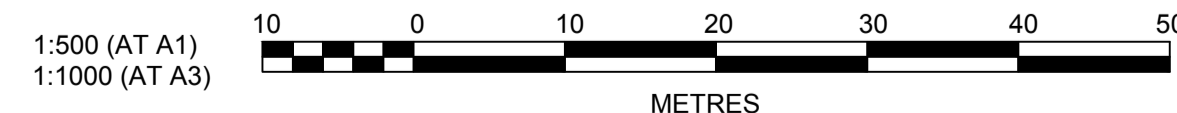
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**LEGEND**

- PROPOSED STORMWATER PIPE (5YR ARI PIPE)
- FLOW DIRECTION



PLAN  
SCALE 1:500



Plotted: 23 February 2018 12:19:54 PM File Name: J:\110358 - O'Connell Lane Caddens\08 - Stage 7\ICDD\DA110358DA707.dwg

AMENDMENT	DES	DRN	CKD	APR	DATE
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CADDENS HILL  
STAGE 7  
STORMWATER PLAN


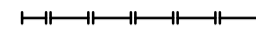

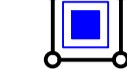
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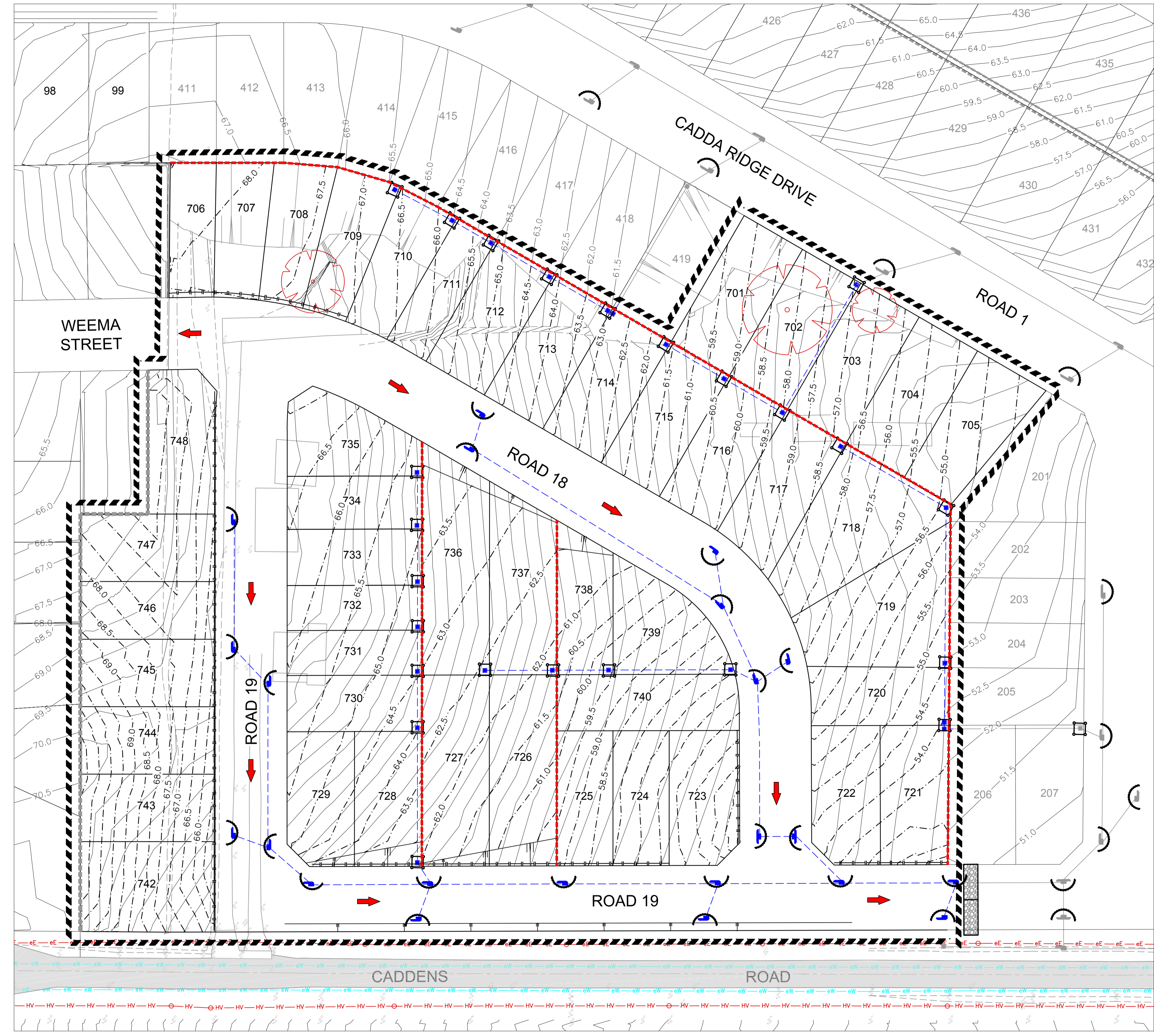
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SHEET SIZE: A1 ORIGINAL



**LEGEND**

- STABILISED SITE ACCESS 
- SEDIMENT FENCE 
- MESH AND GRAVEL INLET FILTER 
- GEOTEXTILE INLET FILTER 



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**CADDENS HILL  
STAGE 7  
SOIL & WATER MANAGEMENT PLAN**

PLAN No: **110358/DA708** C

FILE No: 110358DA708

SHEET SIZE: A1 ORIGINAL



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

**LEGEND**

- AREA OF WORKS
- EXISTING STRUCTURE INCLUDING CONCRETE SLAB TO BE DEMOLISHED & REMOVED OFF-SITE
- EXISTING BITUMEN DRIVEWAY TO BE REMOVED OFF-SITE
- EXISTING FENCE TO BE REMOVED OFF-SITE
- TREES TO BE REMOVED
- TREES TO BE RETAINED



Plotfile: 23 February 2018 12:20:19 PM File Name: J:\110358 - OConnell Lane Caddens\08 - Stage 7\CADDAS110358DA709.dwg

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

METRES

NO.	DESCRIPTION	DES	DRN	CKD	APR	DATE
B	COUNCIL COMMENTS	JT	JT	AM	MS	19/02/17
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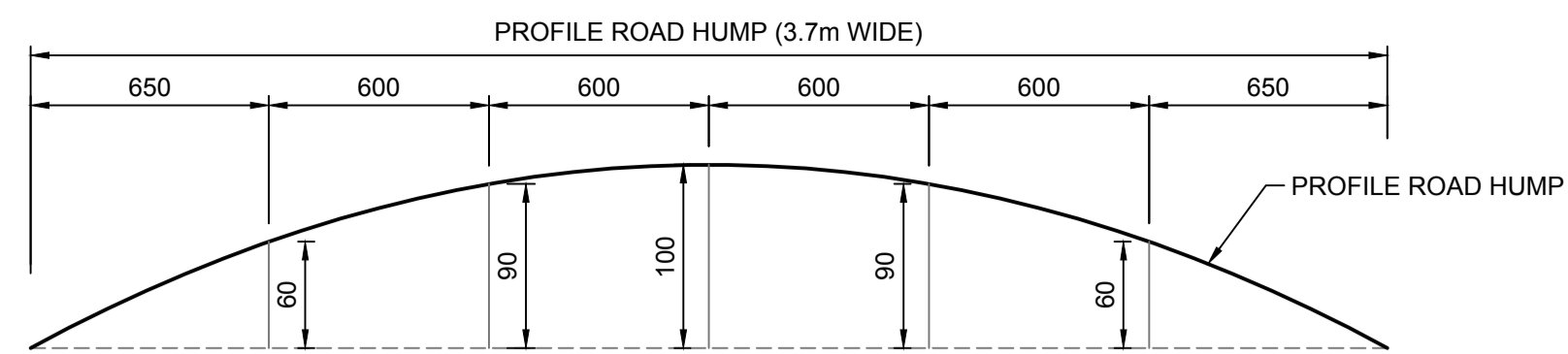
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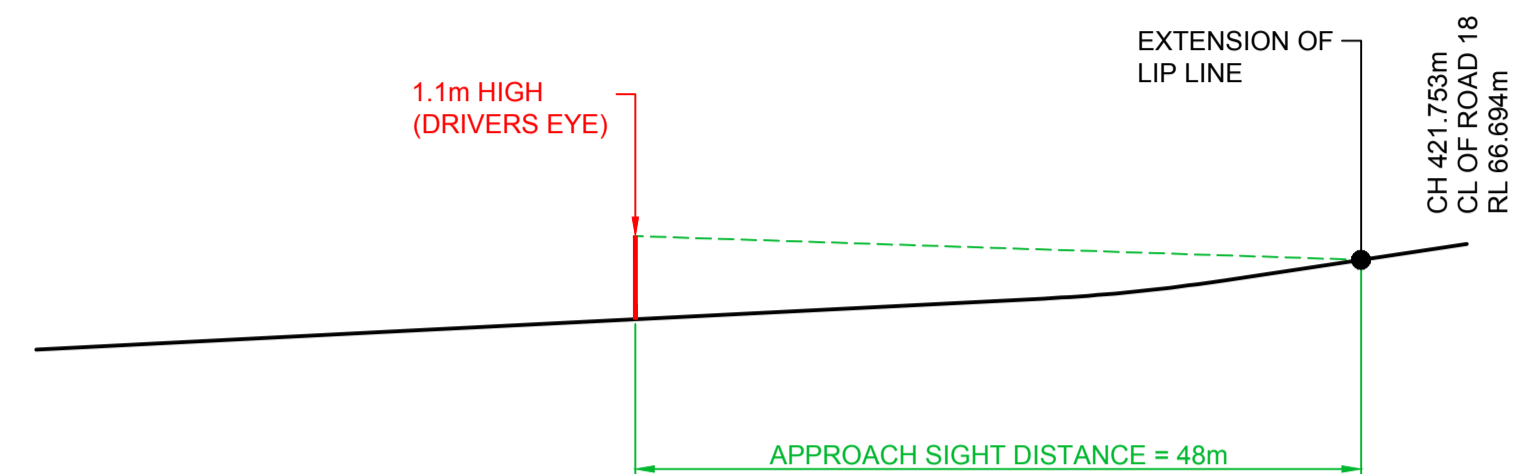
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**CADDENS HILL**  
STAGE 7  
TREE MANAGEMENT & DEMOLITION PLAN

PLAN No: 110358/DA709 **B**  
FILE No: 110358DA709  
SHEET SIZE: A1 ORIGINAL

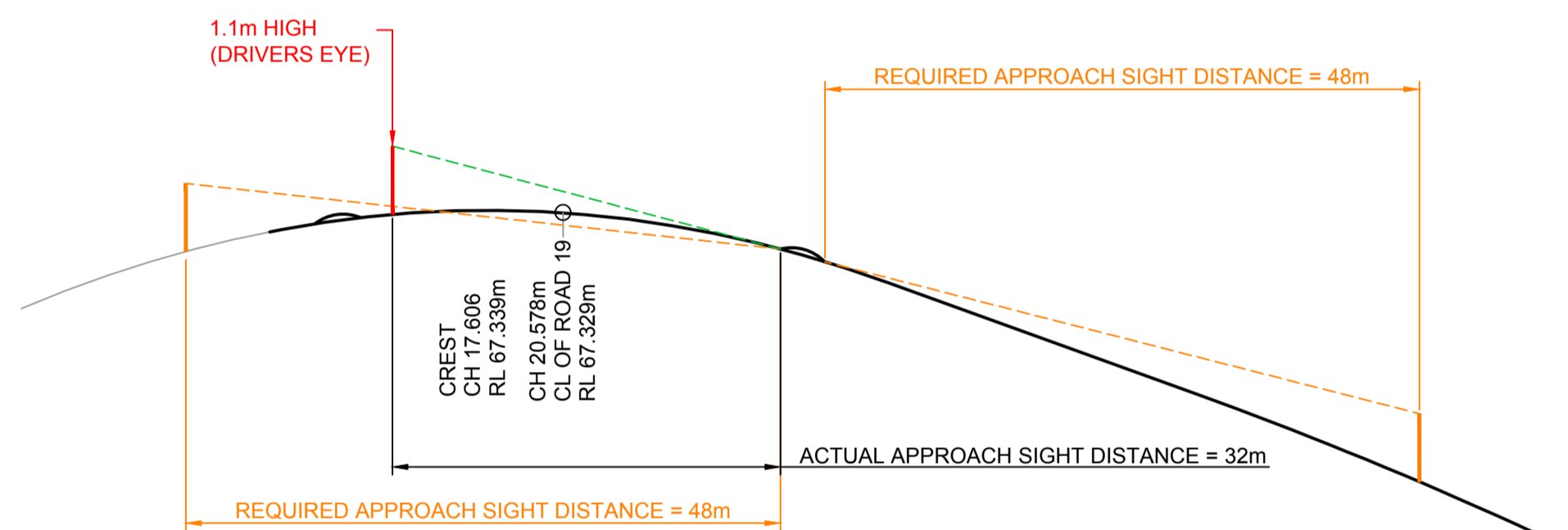


TYPICAL ROAD HUMPH PROFILE  
NTS



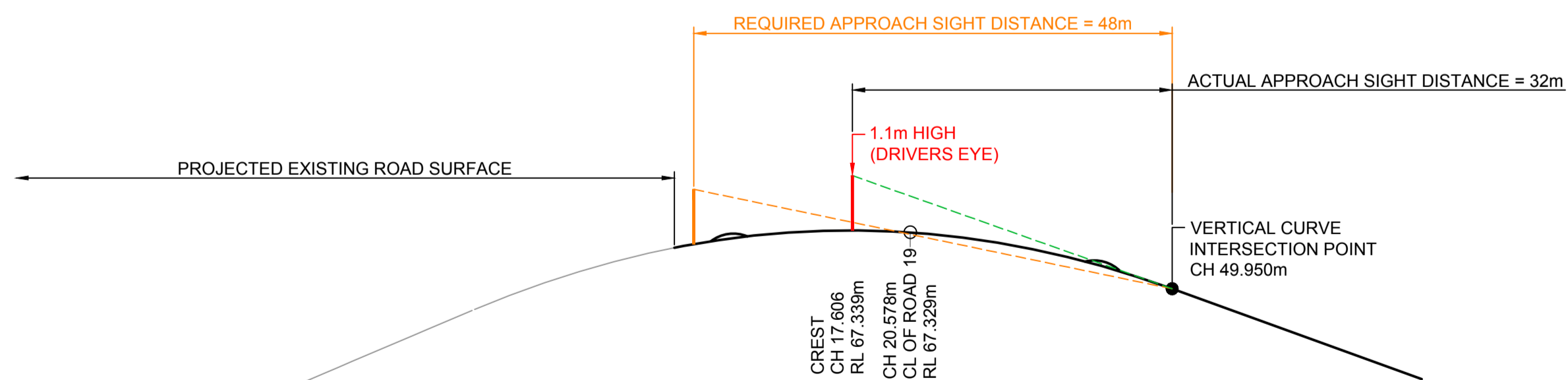
ROAD 19 - ASD ANALYSIS  
HORIZONTAL SCALE 1:500  
VERTICAL SCALE 1:100

ASD MEASURED TO EDGE OF ROAD HUMPH

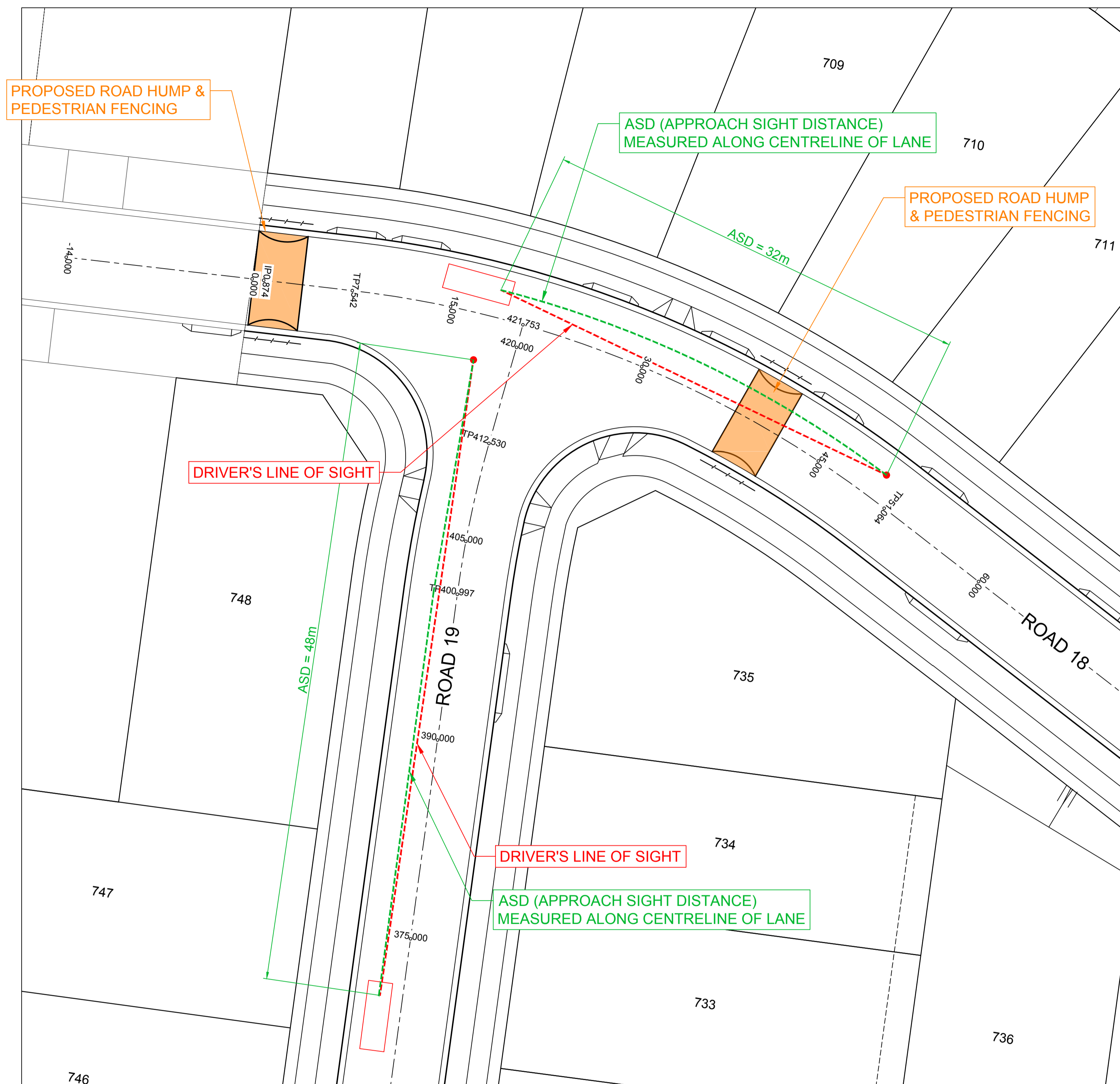


ROAD 18 (ROAD HUMPH CHECK) - ASD ANALYSIS  
HORIZONTAL SCALE 1:500  
VERTICAL SCALE 1:100

ASD MEASURED TO VERTICAL CURVE INTERSECTION POINT



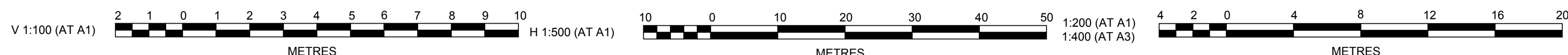
ROAD 18 (DRIVEWAY CHECK) - ASD ANALYSIS  
HORIZONTAL SCALE 1:500  
VERTICAL SCALE 1:100



PLAN  
SCALE 1:200

**ASD CHECK**  
DESIGN SPEED = 50km/h  
ASD LENGTH = 48m  
RT = 1.5sec

Plotted: 23 February 2018 12:20:27 PM File Name: J:\110358 - OConnell Lane Caddens\08 - Stage 7\ICD\DA\110358DA710.dwg



B	COUNCIL COMMENTS	JT	JT	AM	MS	19/02/17			
A	ISSUED FOR APPROVAL	JT	NA	AM	MS	13/09/17			
	AMENDMENT	DES	DRN	CKD	APR	DATE			

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DATUM:  
ORIGIN:

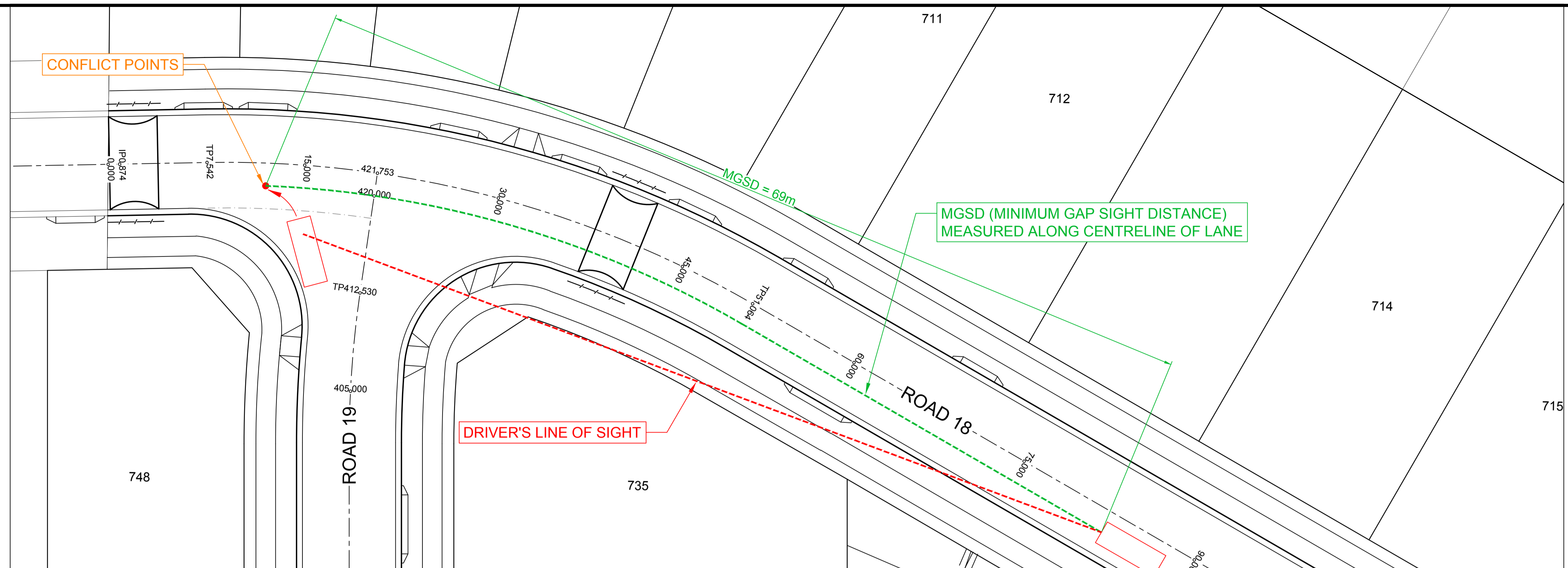
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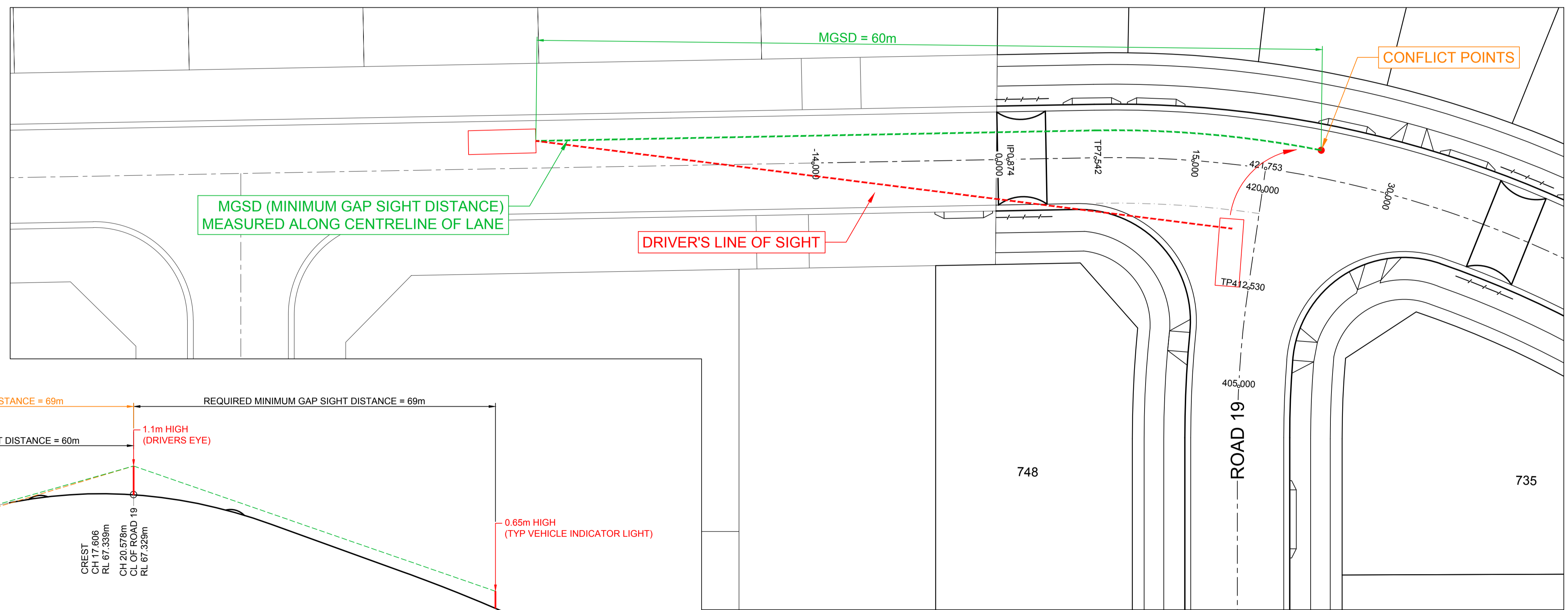
**ISSUED FOR DA APPROVAL**  
NOT FOR CONSTRUCTION

CADDENS HILL  
STAGE 7  
ROAD GEOMETRY CHECK & TRAFFIC CALMING MEASURES

PLAN No: 110358/DA710 **B**  
FILE No: 110358DA710  
SHEET SIZE: A1 ORIGINAL



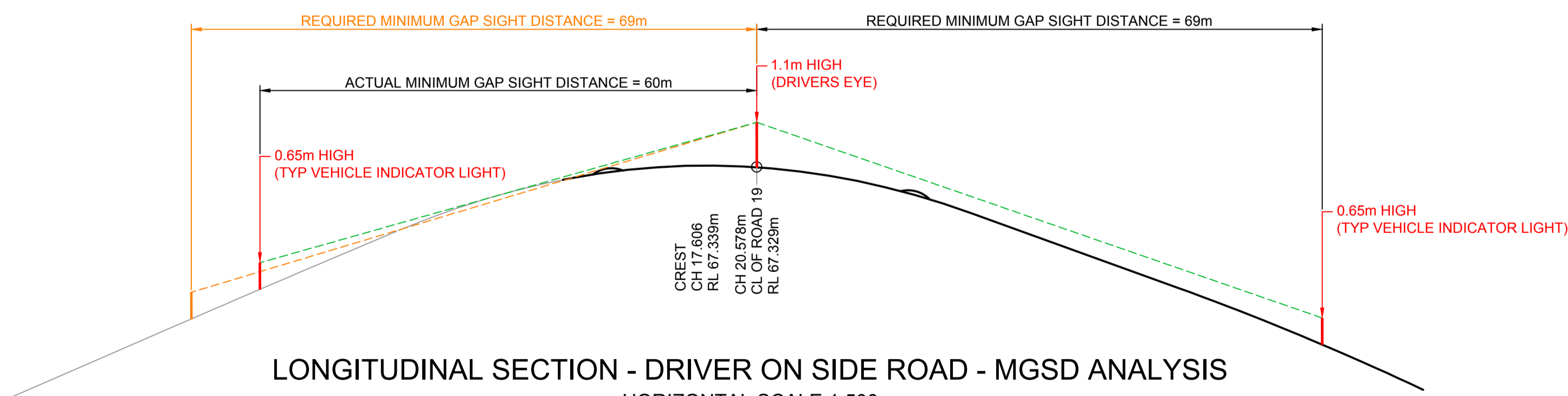
PLAN - SIGHT TO VEHICLE - VEHICLE TURNING LEFT  
SCALE 1:200



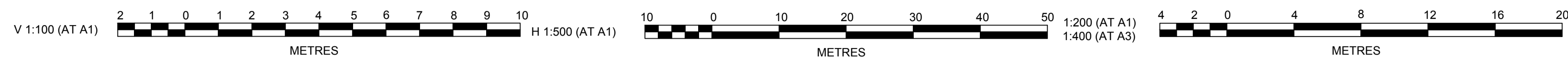
PLAN - SIGHT TO VEHICLE - VEHICLE TURNING RIGHT  
SCALE 1:200

**MGSD CHECK**

DESIGN SPEED = 50km/h  
MGSD LENGTH = 69m  
Ta = 5sec



LONGITUDINAL SECTION - DRIVER ON SIDE ROAD - MGSD ANALYSIS  
HORIZONTAL SCALE 1:500  
VERTICAL SCALE 1:100



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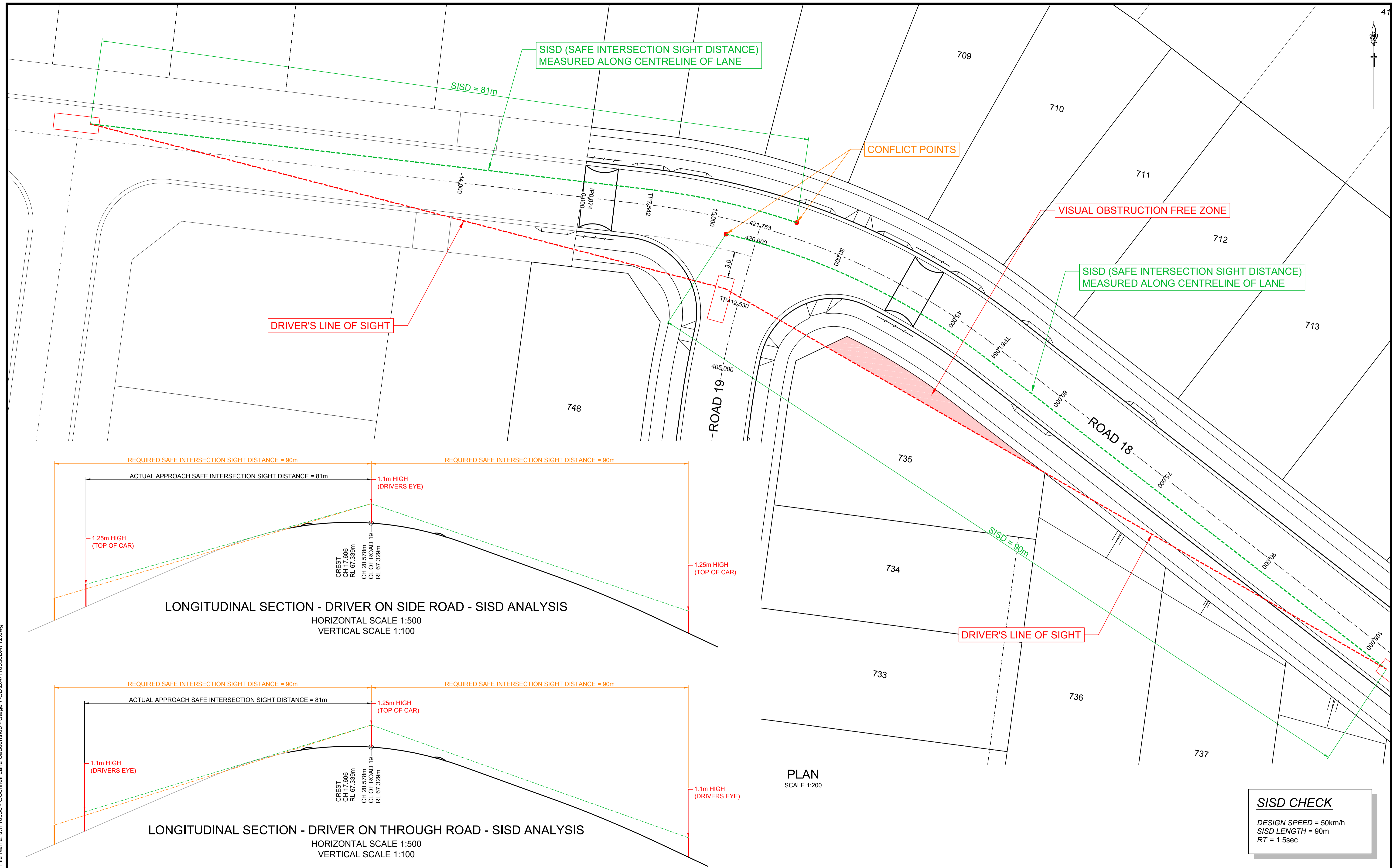
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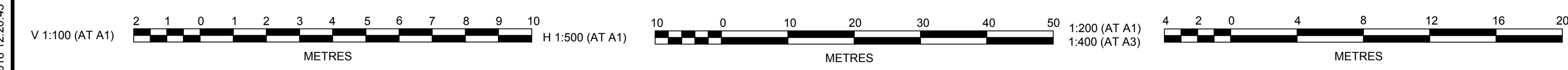
CADDENS HILL  
STAGE 7  
SIGHT DISTANCE ANALYSIS  
SHEET 1

PLAN No: 110358/DA711 **A**  
 FILE No: 110358DA711  
 SHEET SIZE: A1 ORIGINAL



**SISD CHECK**  
 DESIGN SPEED = 50km/h  
 SISD LENGTH = 90m  
 RT = 1.5sec

Plotted: 23 February 2018 12:20:43 PM File Name: J:\110358 - O'Connell Lane Caddens\08 - Stage 7\CADDEN\110358DA712.dwg



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CLIENT:

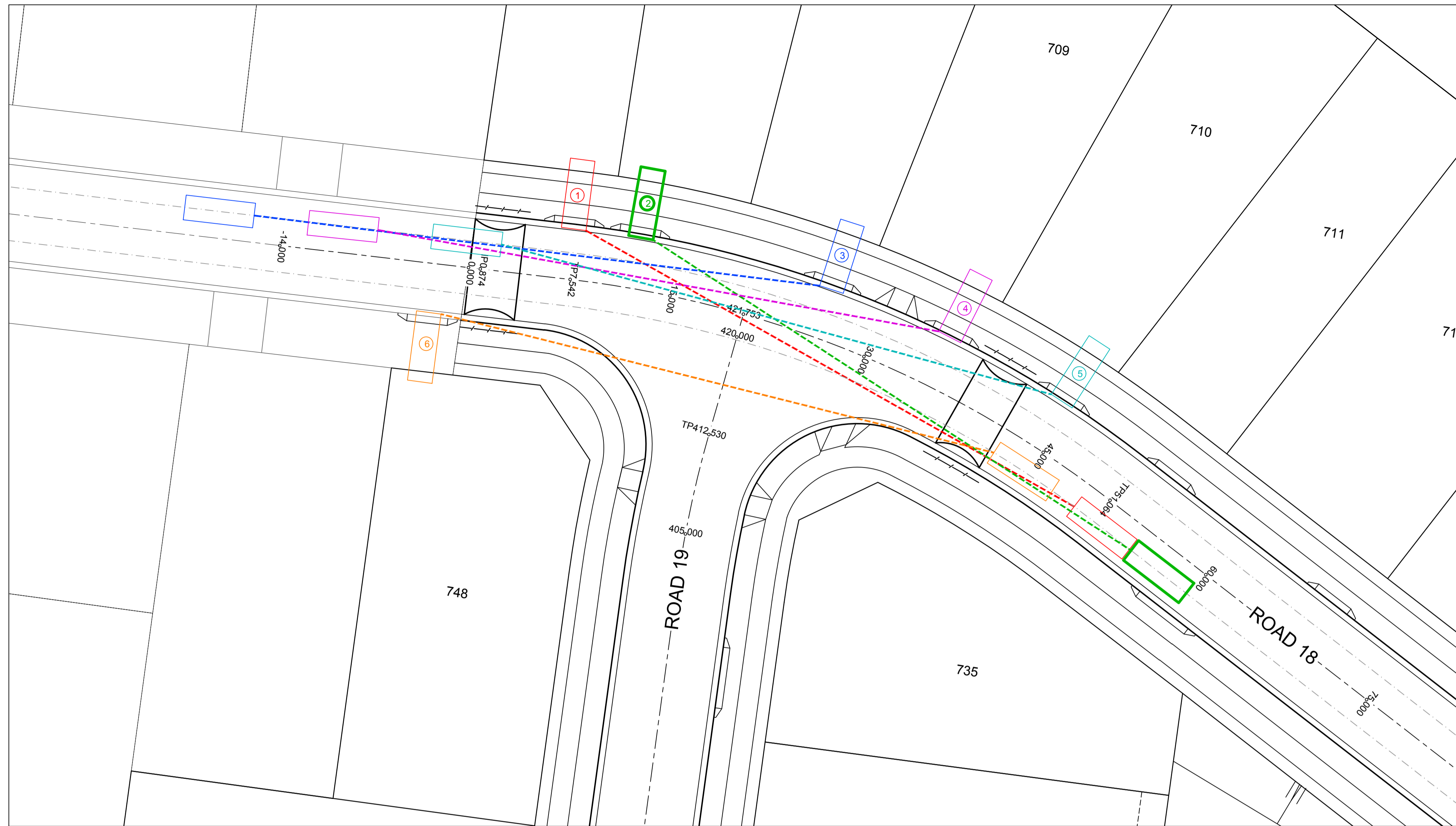
**LEGACYPROPERTY**

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CADDENS HILL  
 STAGE 7  
 SIGHT DISTANCE ANALYSIS  
 SHEET 2

PLAN No: 110358/DA712 **A**  
 FILE No: 110358DA712  
 SHEET SIZE: A1 ORIGINAL



PLAN  
SCALE 1:200

VEHICLE REVERSING FROM DRIVEWAY

SECTION REFERENCE

SSD (SAFE SIGHT DISTANCE)  
MEASURED ALONG CENTRELINE OF LANE

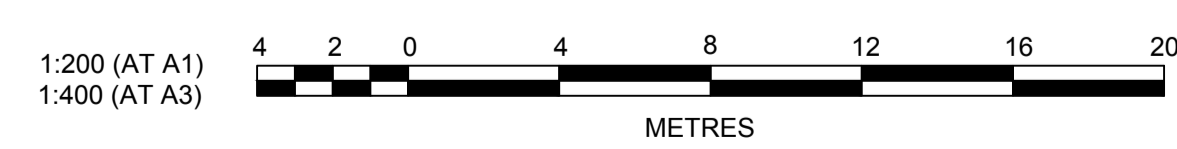
CONFLICT POINTS

VEHICLE APPROACHING DRIVEWAY

**SSD CHECK**  
DESIGN SPEED = 50km/h  
SSD LENGTH = 42m  
RT = 1.5sec

DRIVER'S LINE OF SIGHT

TYPICAL SAFE SIGHT DISTANCE ANALYSIS  
SCALE 1:200



CLIENT:



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CADDENS HILL  
STAGE 7  
SIGHT DISTANCE ANALYSIS  
SHEET 3

PLAN No:	110358/DA713	A
FILE No:	110358DA713	
SHEET SIZE:	A1 ORIGINAL	

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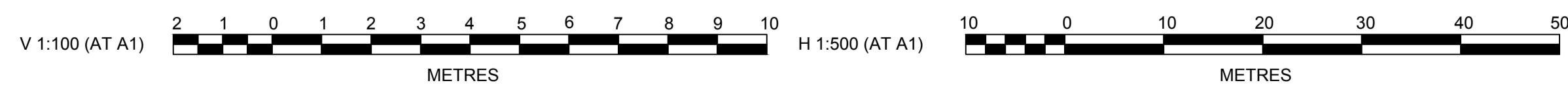
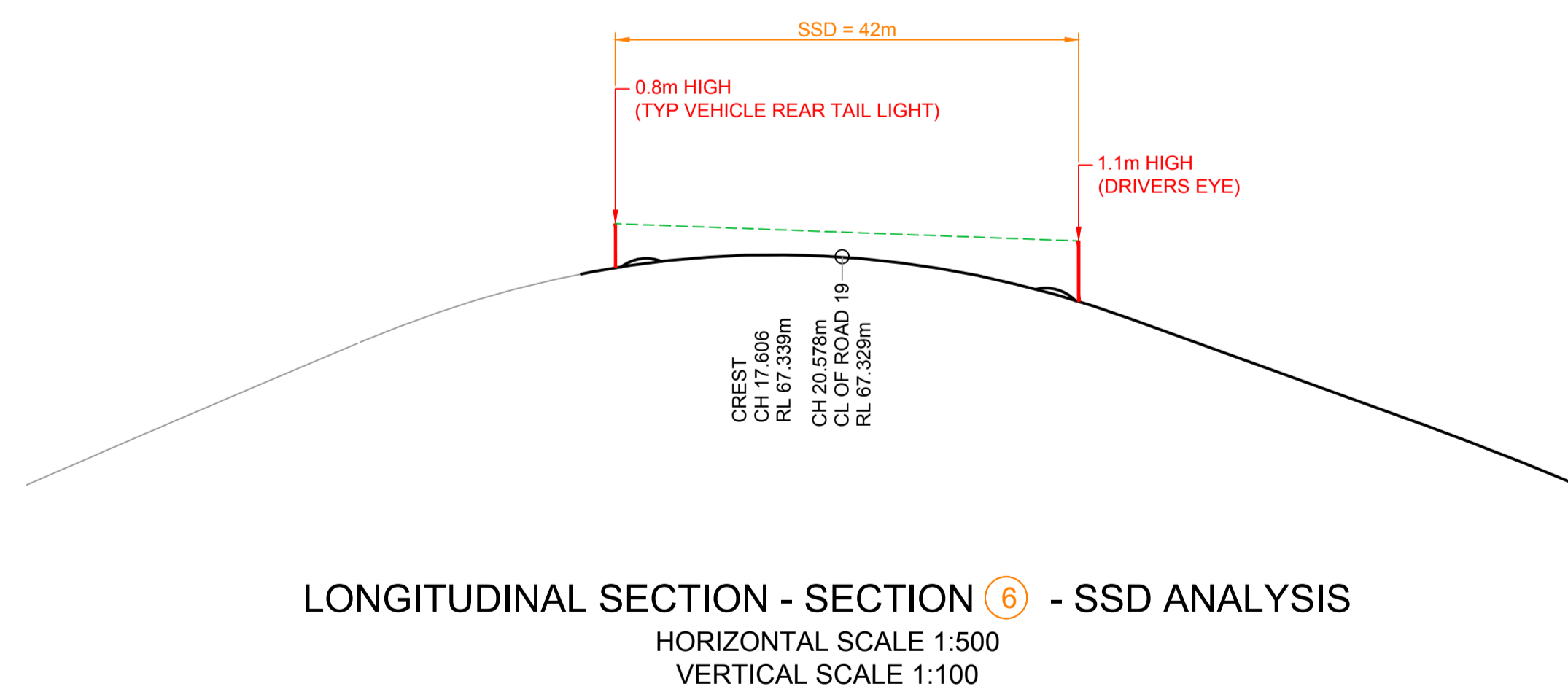
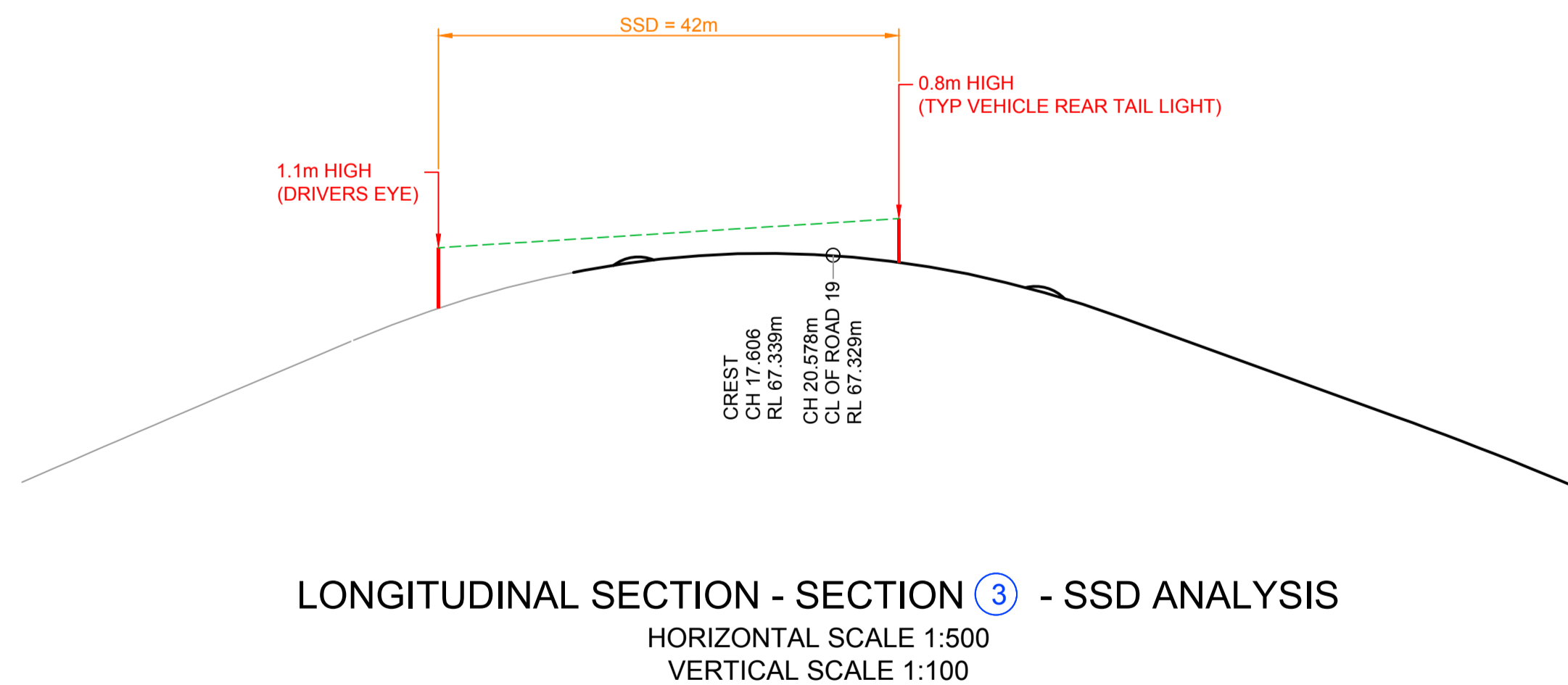
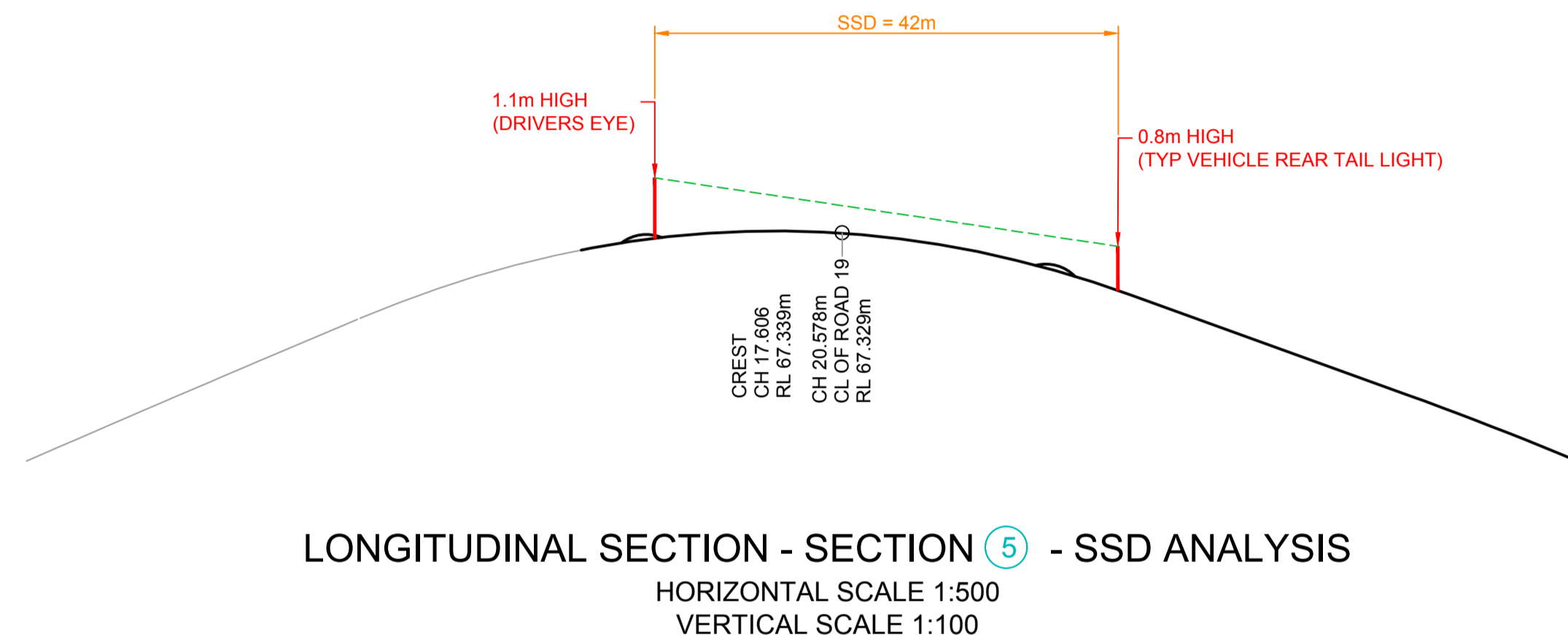
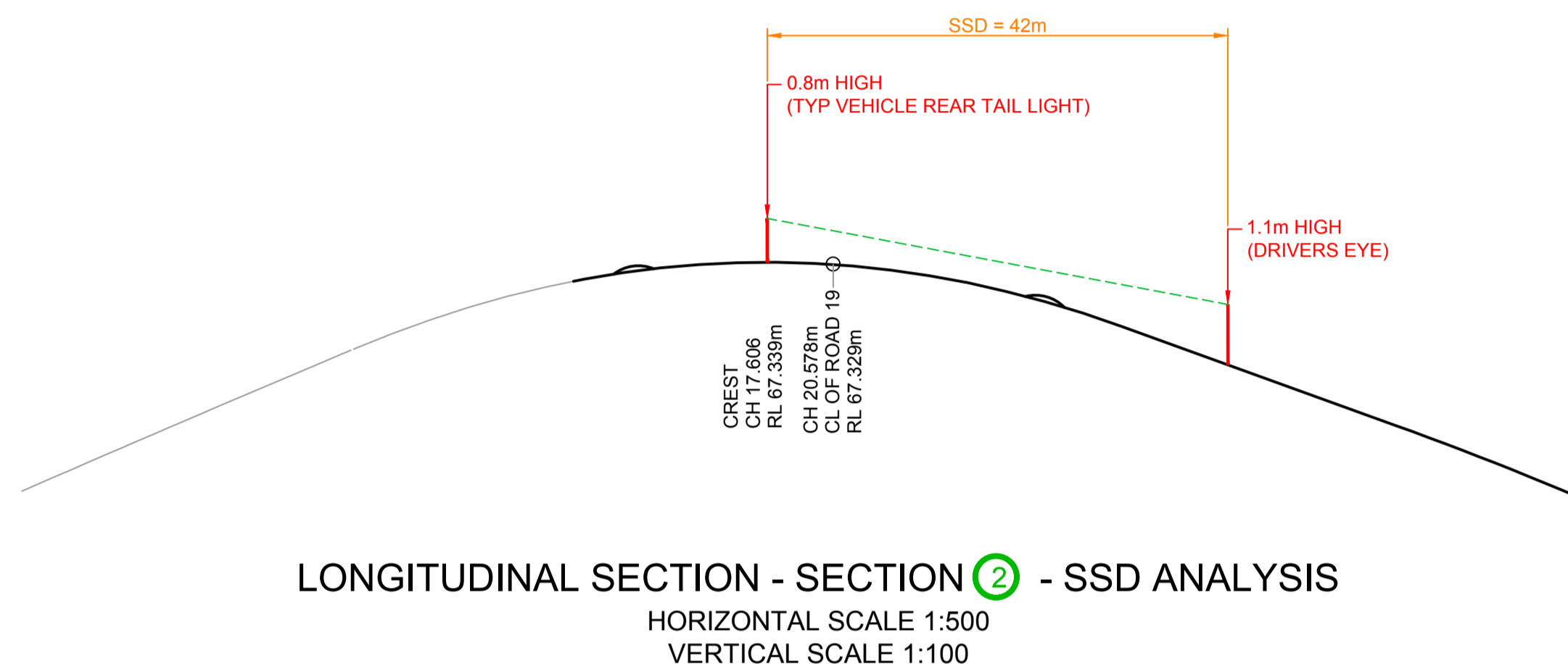
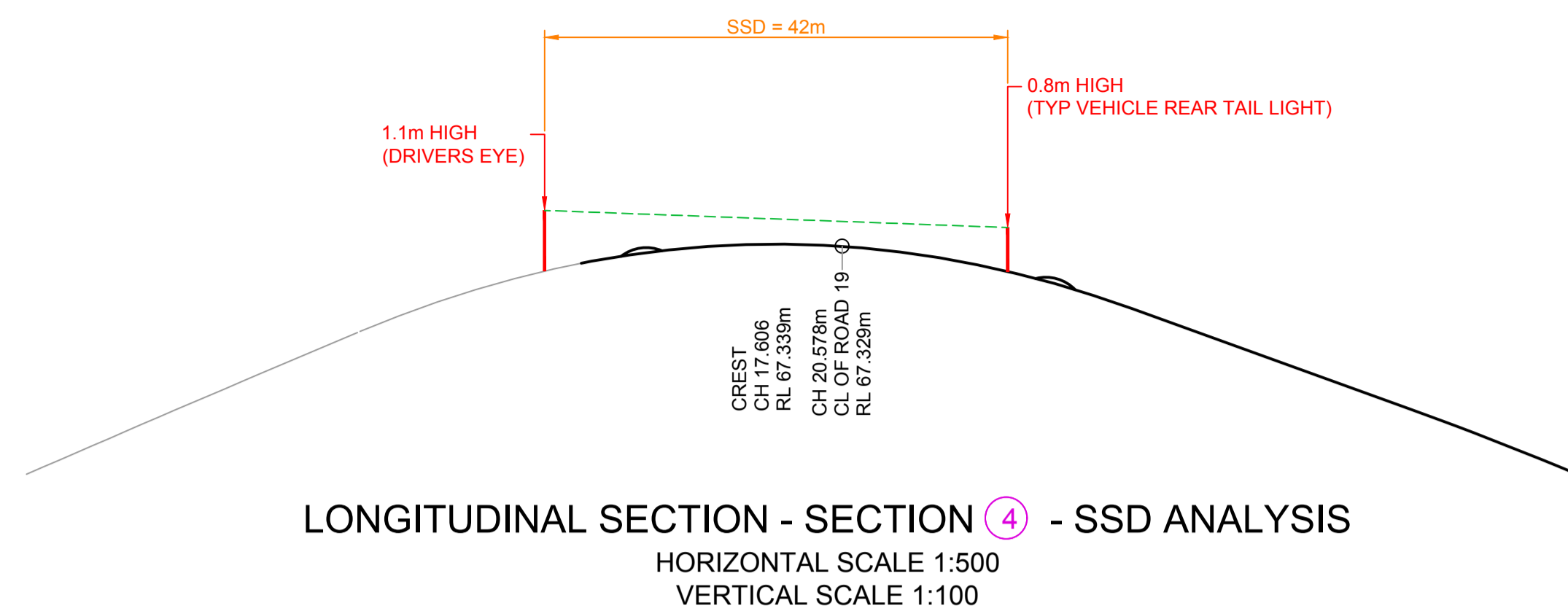
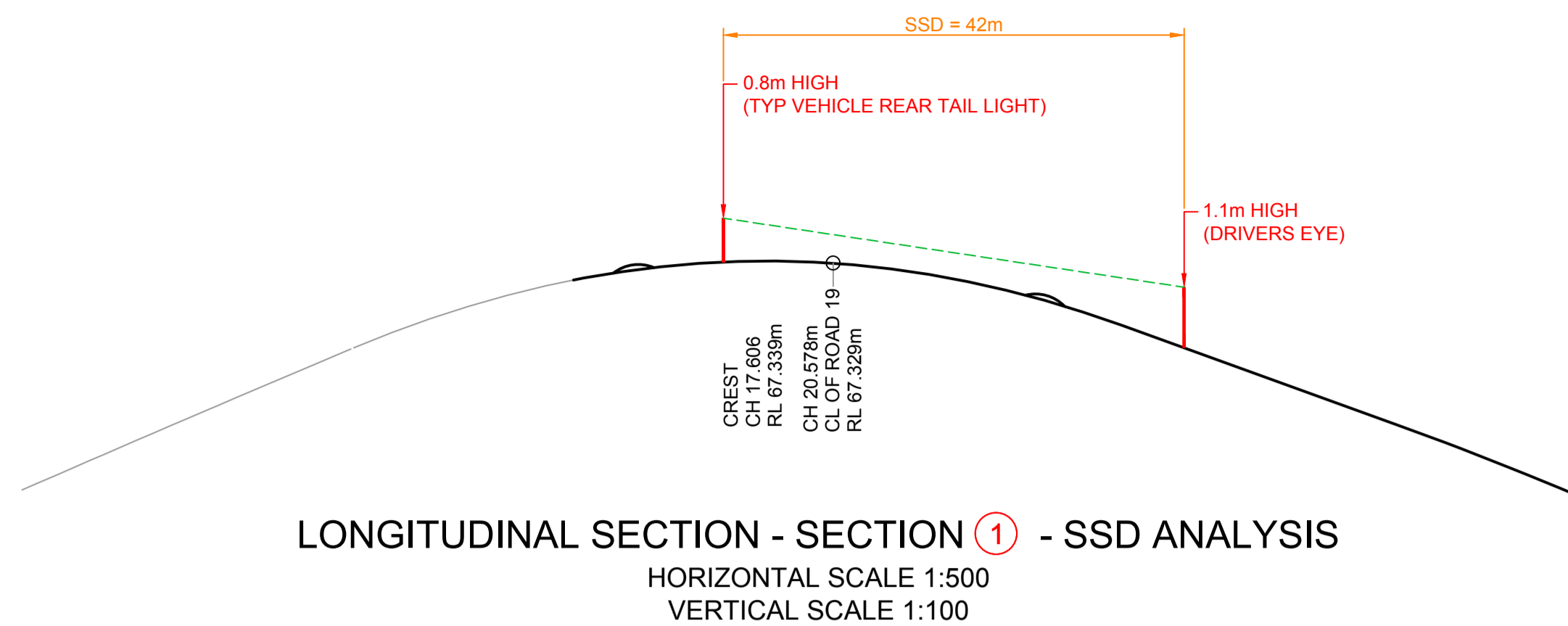
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NO.	REVISION	DATE	BY	CHECKED	APPROVED

AMENDMENT	JT	JT	AM	MS	19/02/17
	DES	DRN	CKD	APR	DATE

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NO.	DATE	BY	CHKD	APPD	DESCRIPTION
A	19/02/17	MS	AM	JT	COUNCIL COMMENTS
		DES	DRN		AMENDMENT

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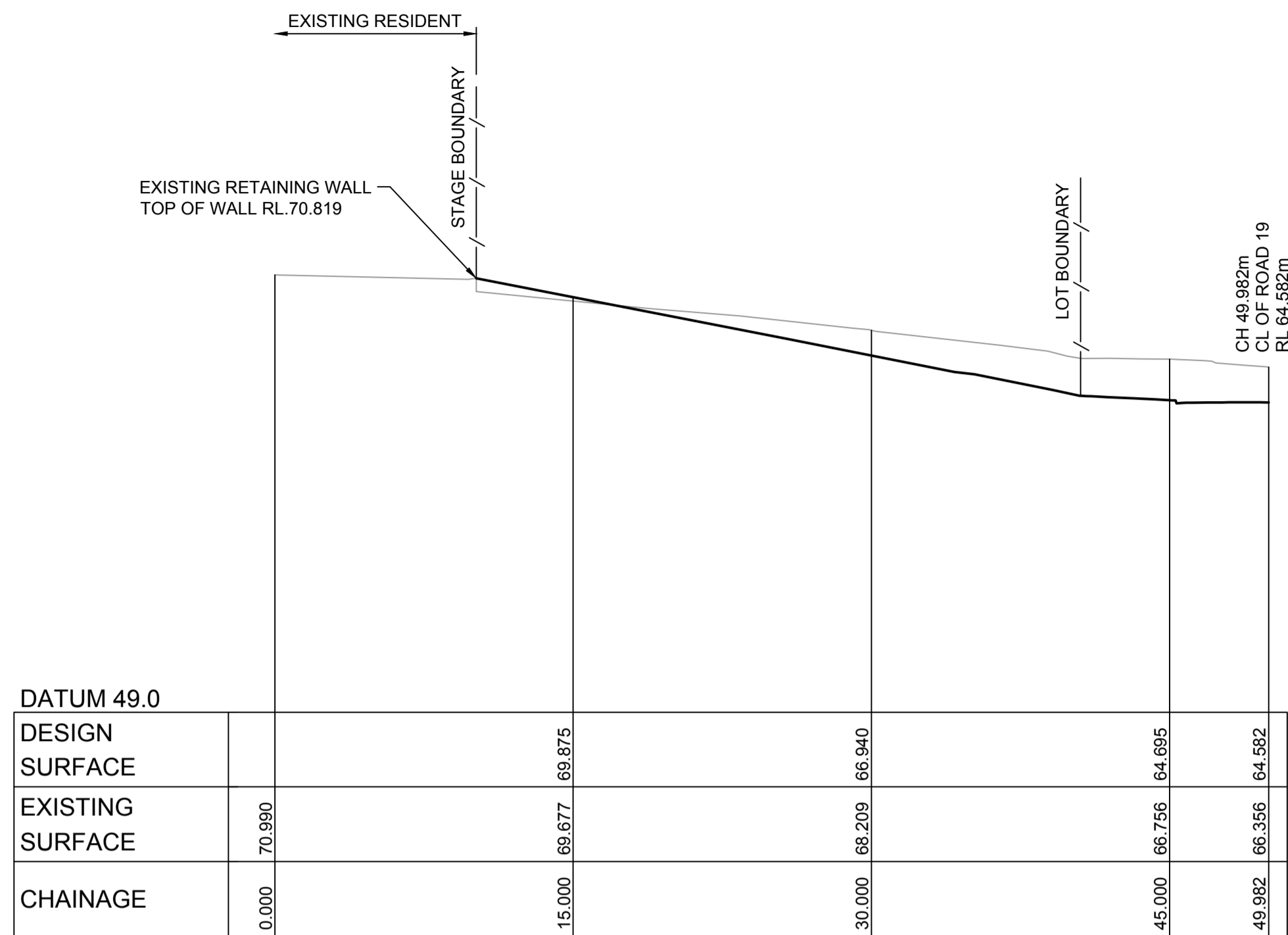
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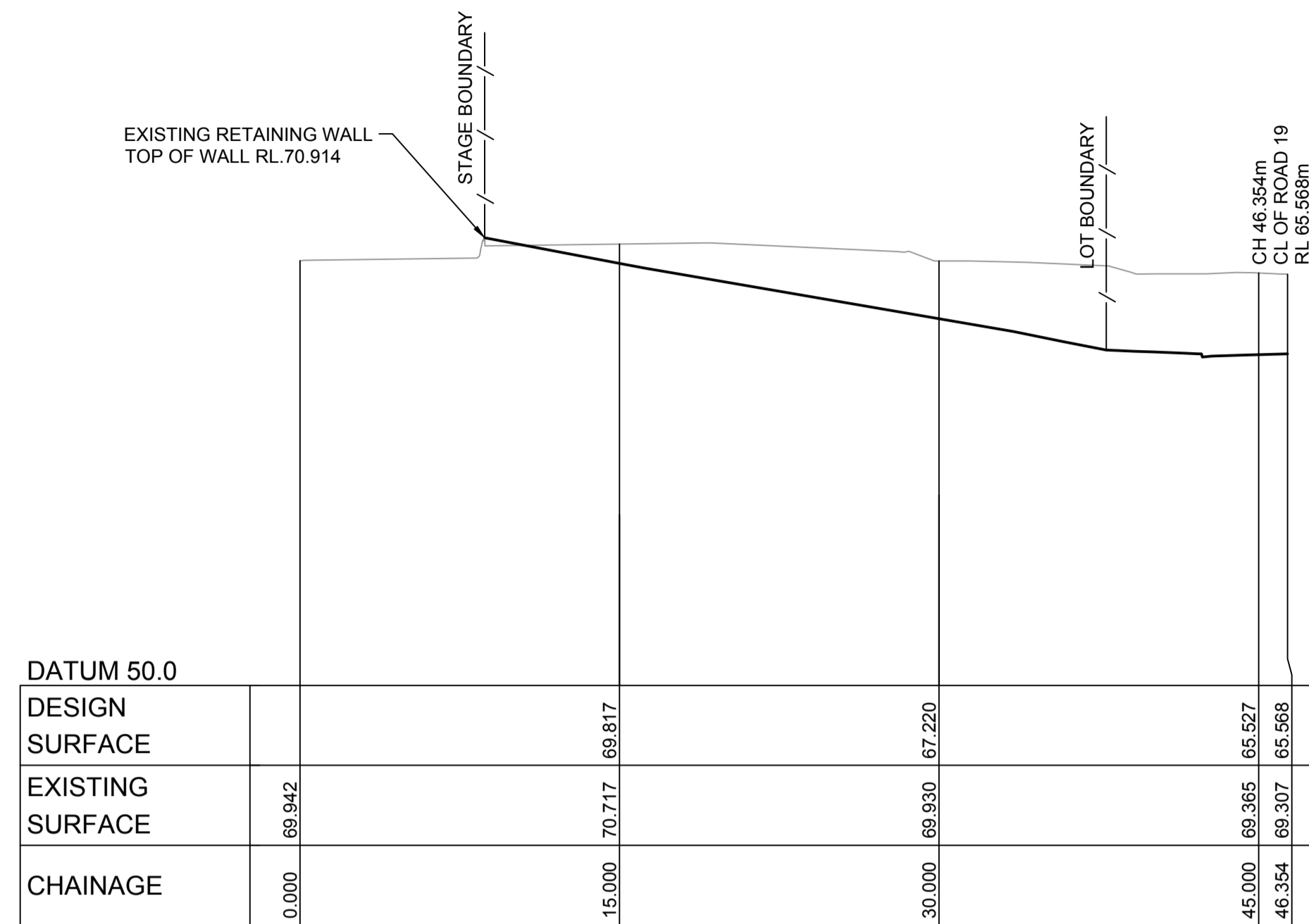
**CADDENS HILL**  
 STAGE 7  
 SIGHT DISTANCE ANALYSIS  
 SHEET 4

PLAN No:	110358/DA714	A
FILE No:	110358DA714	
SHEET SIZE:	A1 ORIGINAL	

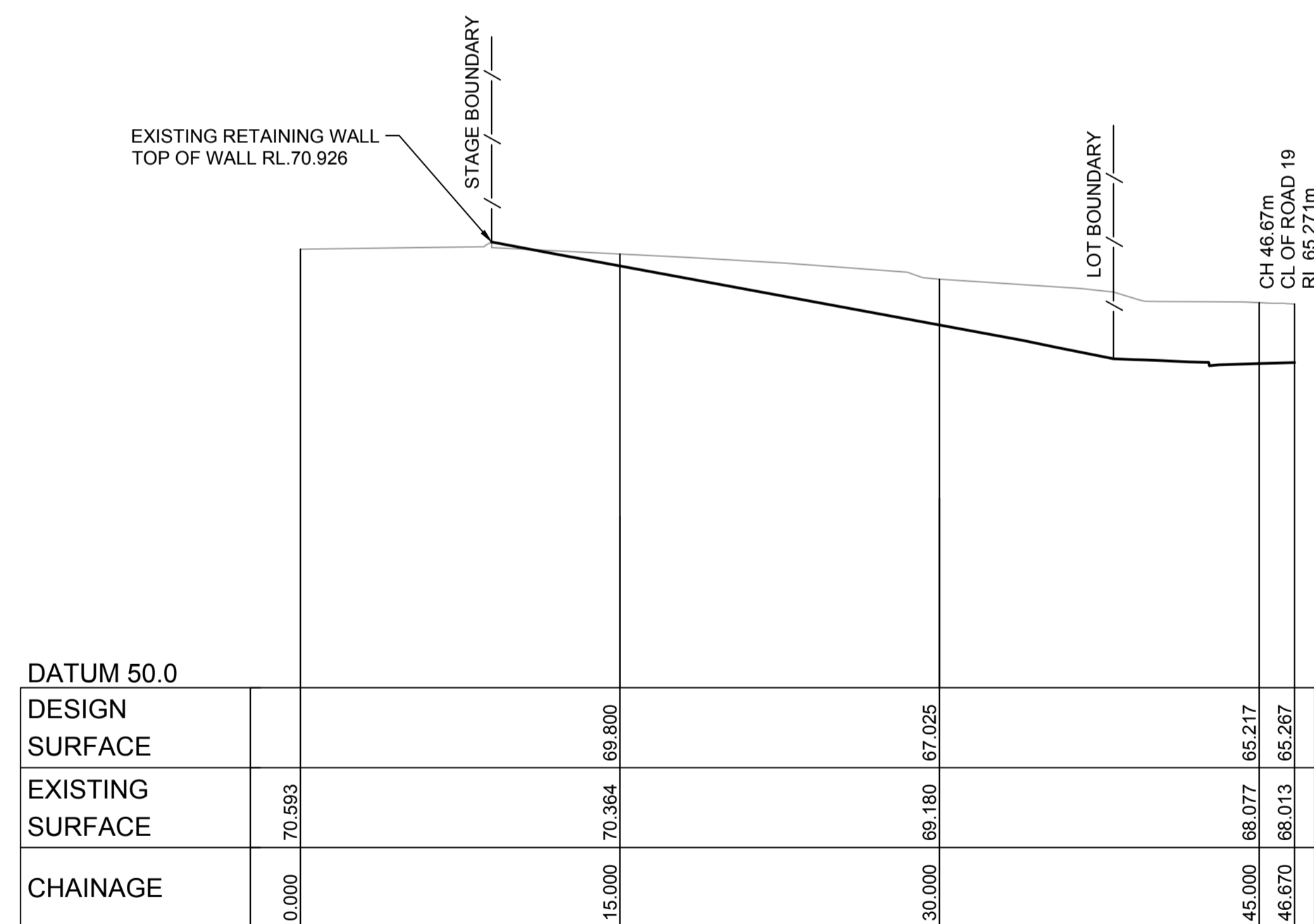
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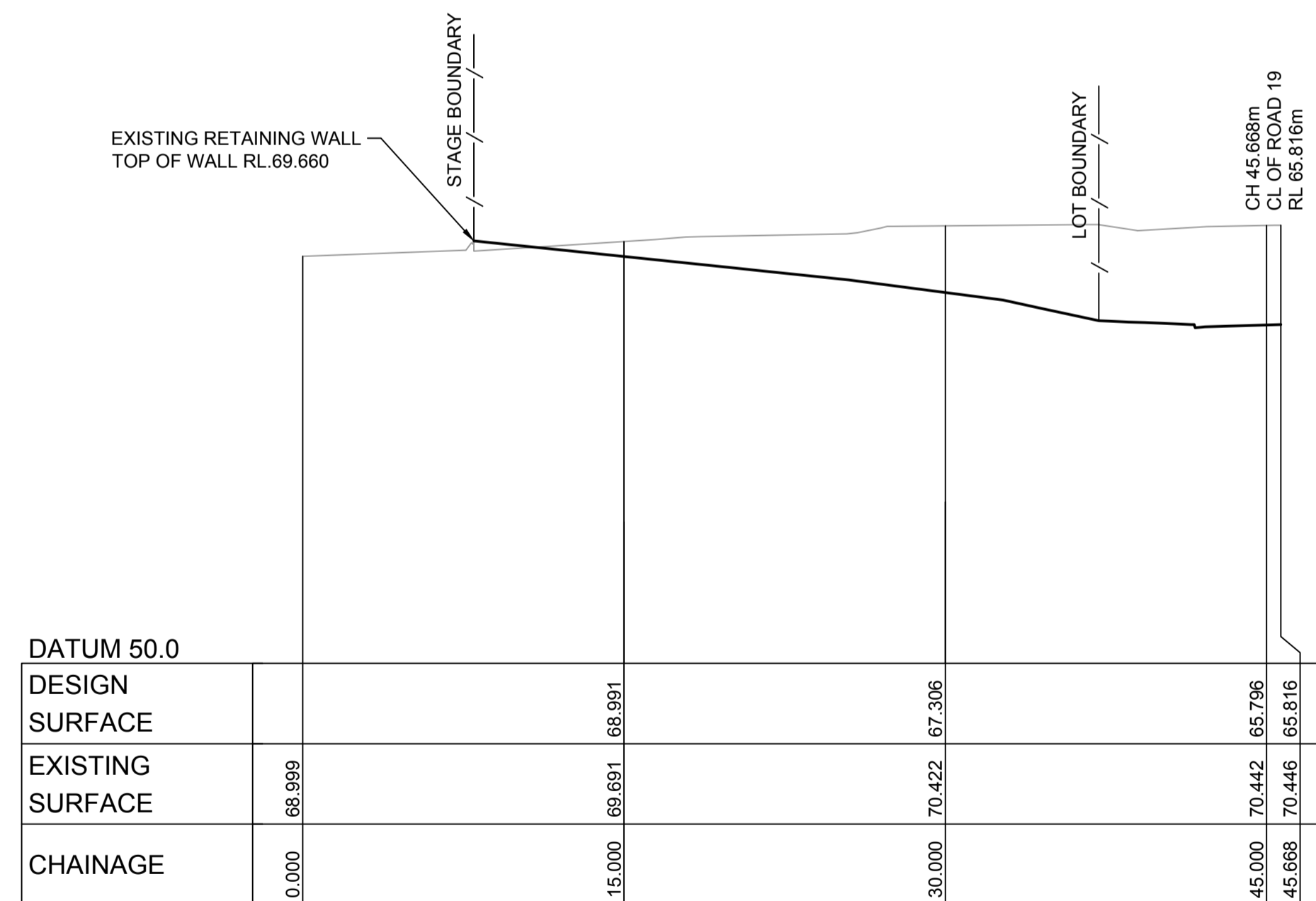
SECTION A  
SCALE 1:250  
703



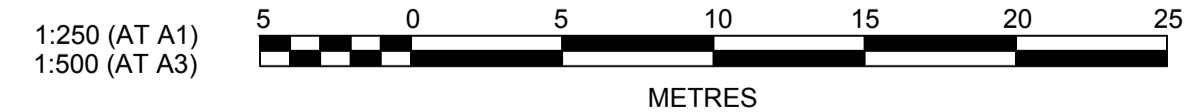
SECTION C  
SCALE 1:250  
703



SECTION B  
SCALE 1:250  
703



SECTION D  
SCALE 1:250  
703



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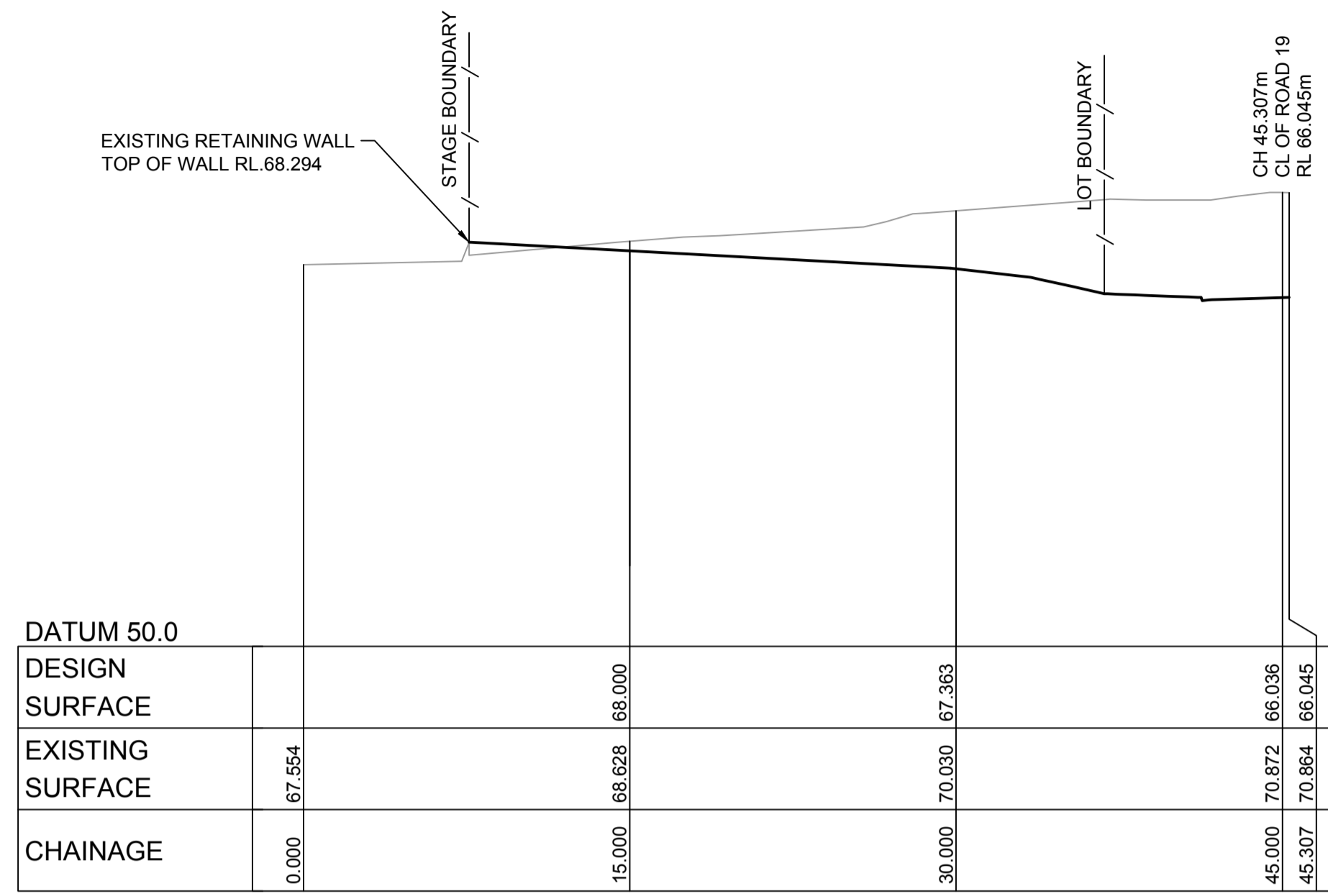
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CADDENS HILL  
STAGE 7  
SITE SECTIONS - BOUNDARY INTERFACE  
SHEET 1

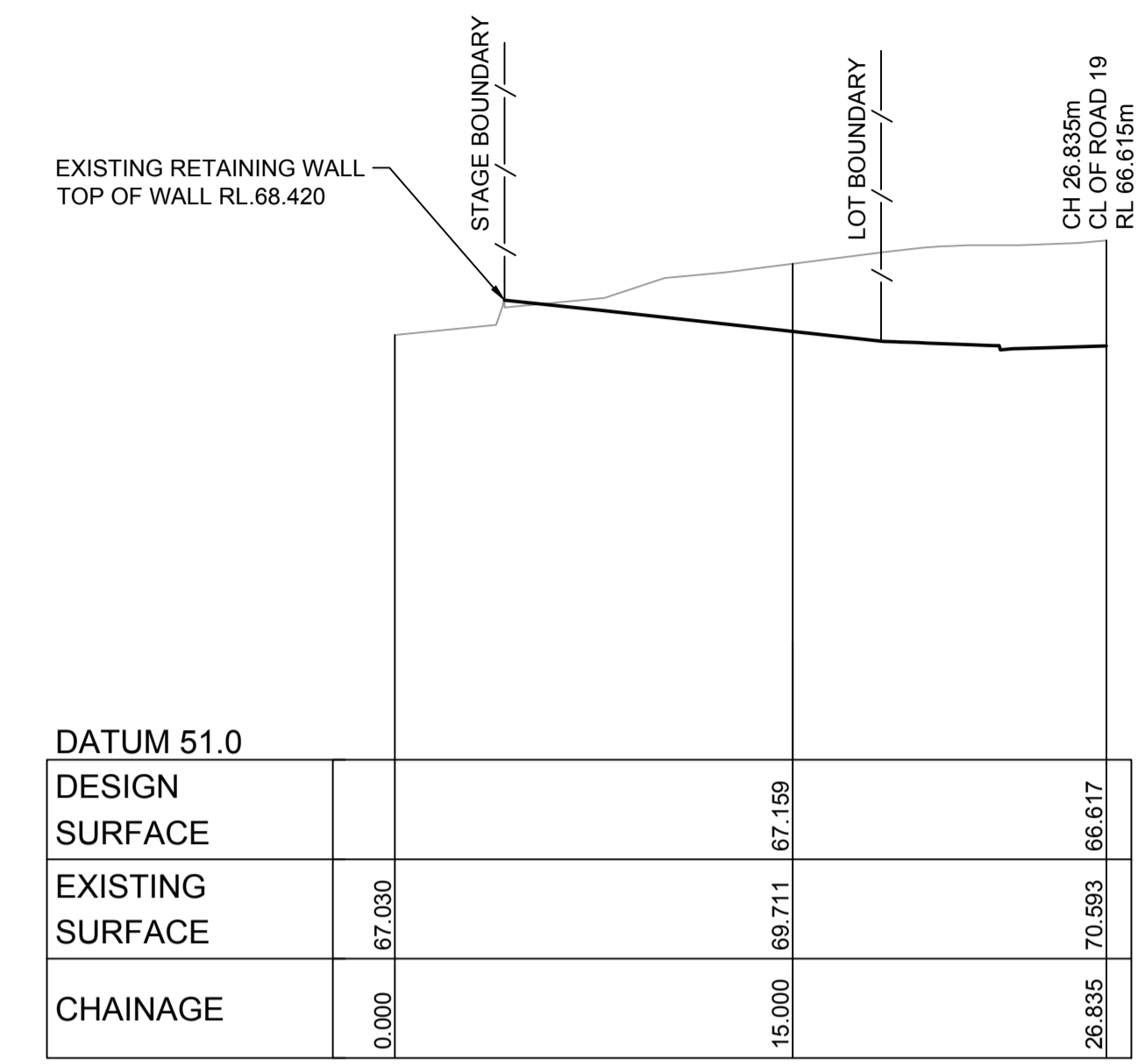
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NO.	REVISION	DATE	BY	CHECKED	DESCRIPTION
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	AMENDMENT		DES	DRN	CKD APR

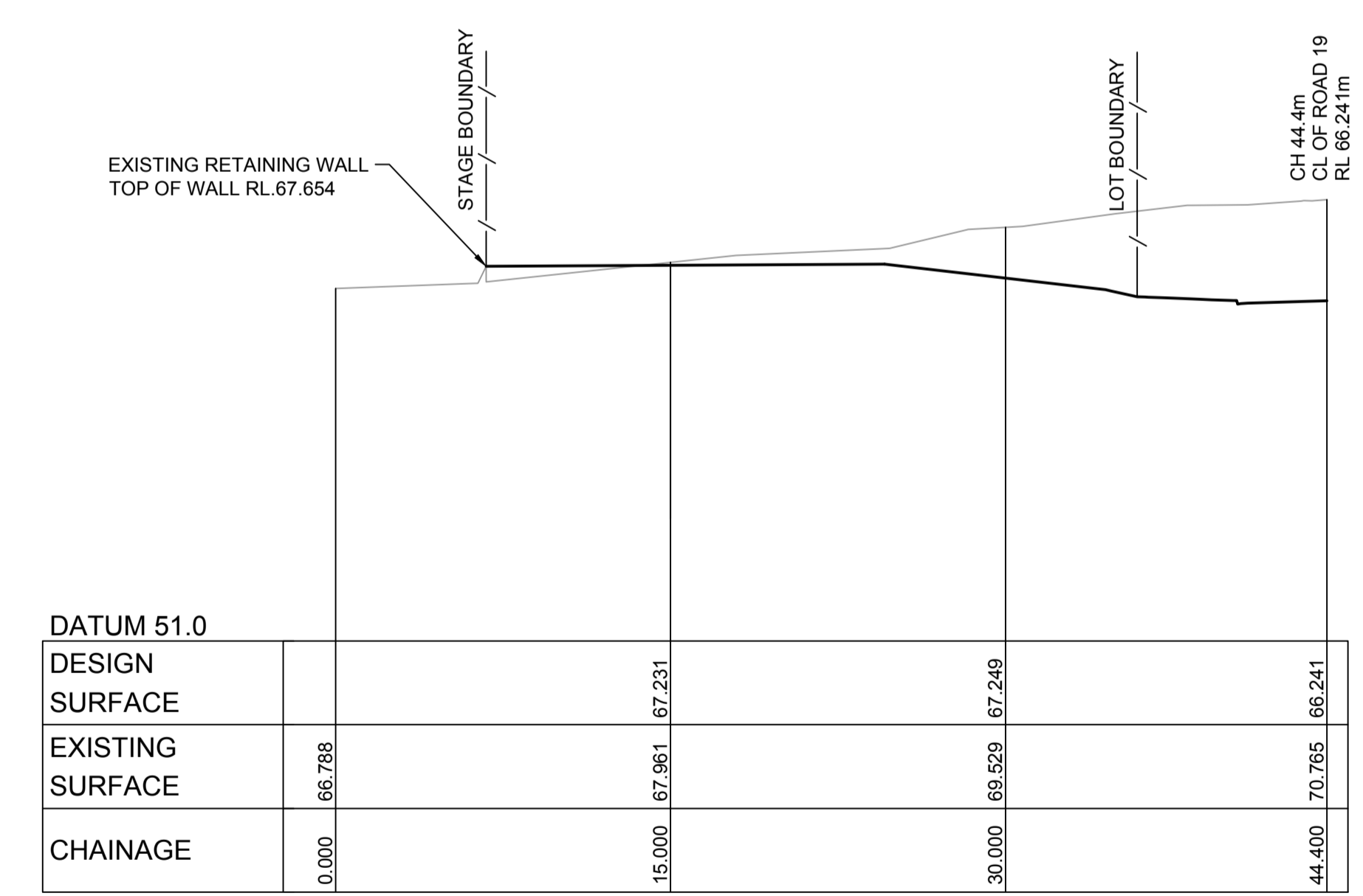




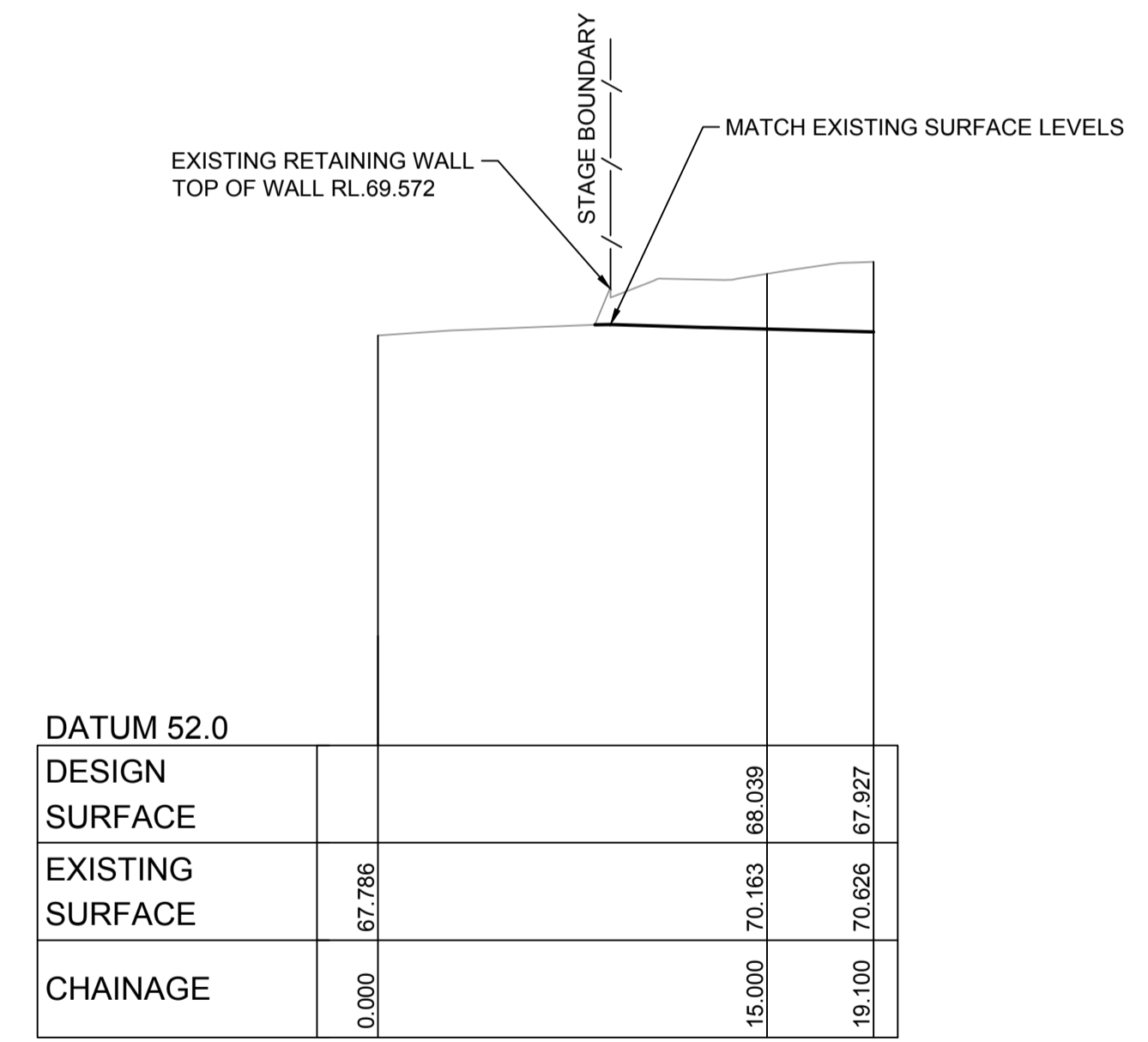
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SCALE 1:250



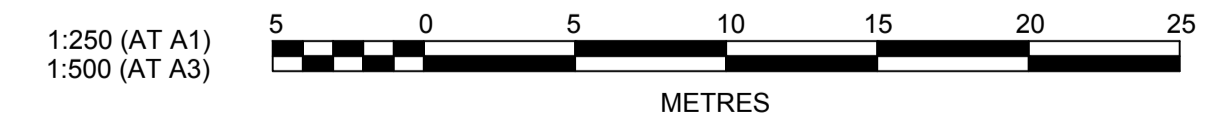
SECTION G  
SCALE 1:250



SECTION F  
SCALE 1:250



SECTION H  
SCALE 1:250



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CADDENS HILL  
 STAGE 7  
 SITE SECTIONS - BOUNDARY INTERFACE  
 SHEET 2

PLAN No: 110358/DA716 **A**  
 FILE No: 110358DA716  
 SHEET SIZE: A1 ORIGINAL

NO.	REVISION	DATE	BY	CHECKED	DESCRIPTION
A	COUNCIL COMMENTS	19/02/17	MS	AM	
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