

0mm
100mm
200mm

D.P. 545289

1

TEMPORARY COMMUNITY CENTRE

1
MOD002



LEGEND

- 10 SHARED ZONE SIGNAGE
- 10 SHARED ZONE

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Date	Rev	Amendment
May 2021	1	Issue for Modification

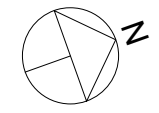
Project:
RETIREMENT VILLAGE
MOD
392 Galston Rd, Galston NSW 2159

**VIGOR MASTER**
Land Development
Architecture Design
Construction Management

Vigor Master Pty Ltd
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Chatswood NSW 2067
Tel. 02 9411 3998
Fax. 02 9413 3983
Email. info@vigmaster.com.au

Drawn by: RT
Checked by: MW
Title: SITE PLAN
Job NO.: M392RV
Date: 28.08.2021

Scale @ A1:
Scale @ A3: 1 : 1000
Drawing NO.: MOD001 Rev: 1



0mm

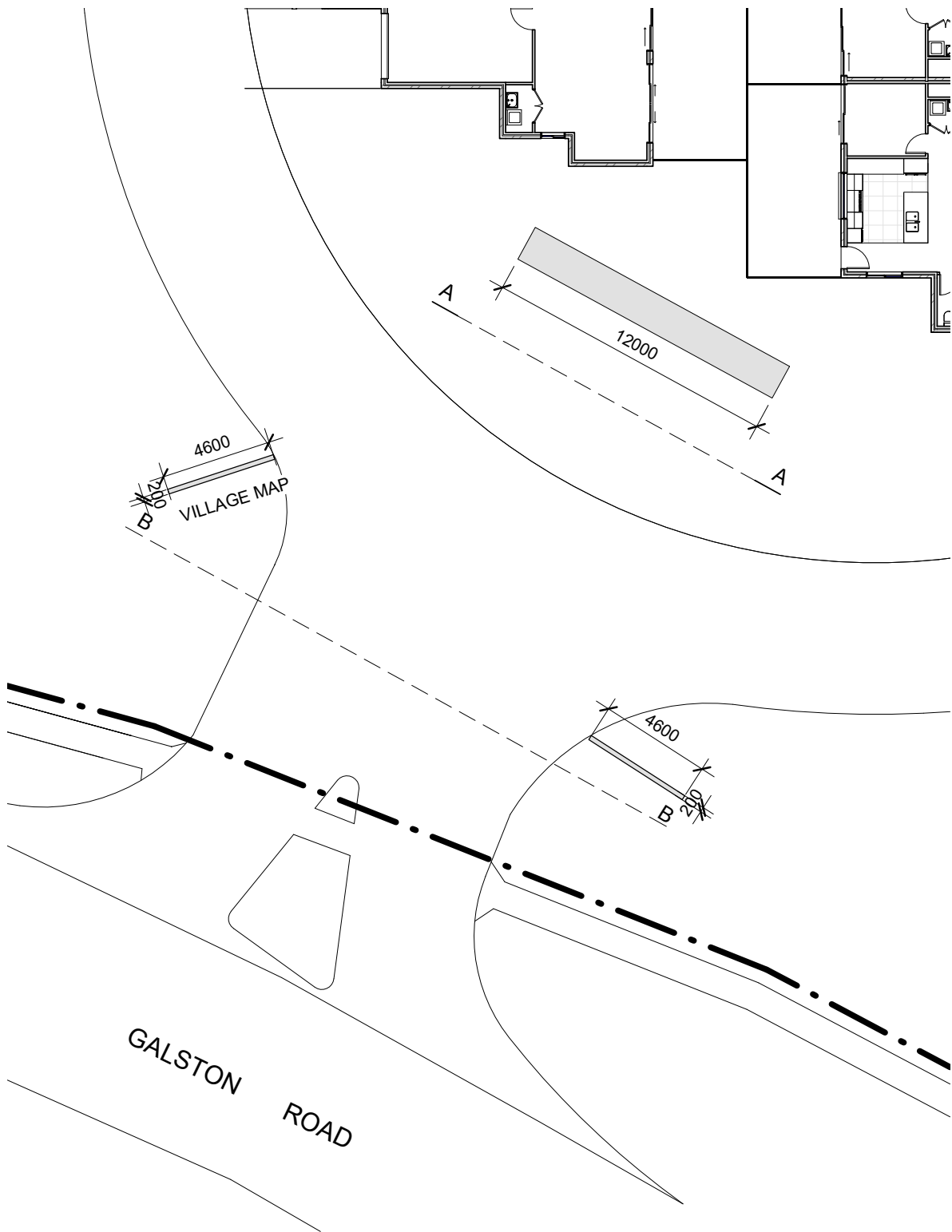
100mm

200mm

300mm

100mm

200mm



SITE SIGNAGES LOCATION

1

1 : 250

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Date

Rev

Amendment

Project:

RETIREMENT VILLAGE

MOD

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Drawn by: RT

Checked by: MW

Title: SITE SIGNAGES CONCEPT DESIGN

Job NO.: M392RV

Date: 28.08.2021

Scale @ A1:

Scale @ A3: As indicated

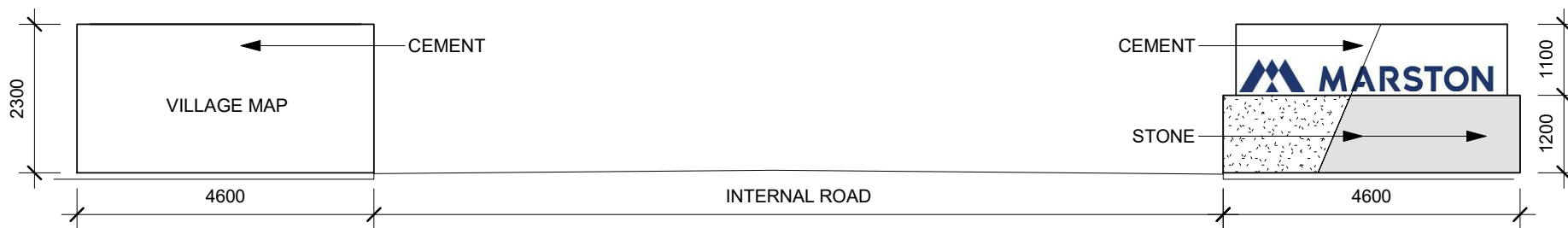
Drawing NO.: MOD002

Rev:



A-A ELEVATION

1 : 100

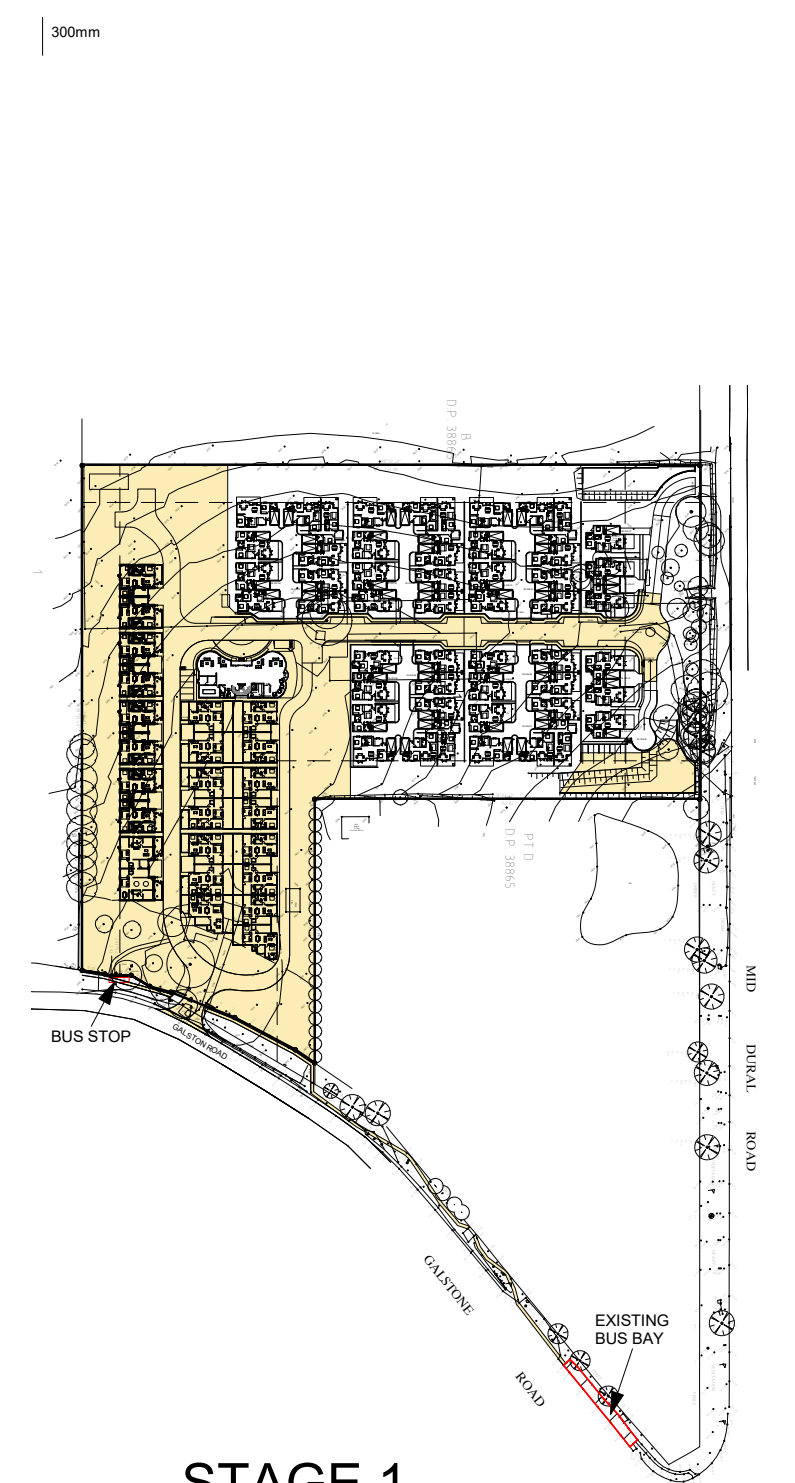


B-B ELEVATION

1 : 100



- LEGEND**
- STAGE 1
 - STAGE 2
 - STAGE 3
 - CIVIL WORKS COMPLETED IN PREVIOUS STAGES



2 STAGE 1
1 : 3000

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Date	Rev	Amendment

Project:
RETIREMENT VILLAGE

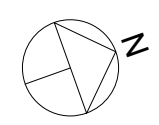
MOD
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Drawn by: RT
Checked by: MW
Title: **SITE PLAN - STAGE 1**

Scale @ A1:
Scale @ A3: As indicated
Job NO.: M392RV
Date: 28.08.2021
Drawing NO.: MOD003
Rev:



D.P. 545289

1

0mm

100mm

200mm



TEMPORARY
COMMUNITY
CENTRE

BUS STOP

sewer tank

GALSTON
ROAD

MID DURAL ROAD

MID

DURAL

300mm



MID DURAL ROAD

2

STAGE 2

1 : 3000



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Date Rev Amendment

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Drawn by: RT
Checked by: MW
Title: SITE PLAN - STAGE 2

Job NO.: M392RV
Date: 28.08.2021
Scale @ A1:
Scale @ A3: As indicated
Drawing NO.: MOD004
Rev:



1 STAGE 3
1 : 3000

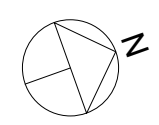
- LEGEND
- STAGE 1
 - STAGE 2
 - STAGE 3
 - CIVIL WORKS COMPLETED IN PREVIOUS STAGES

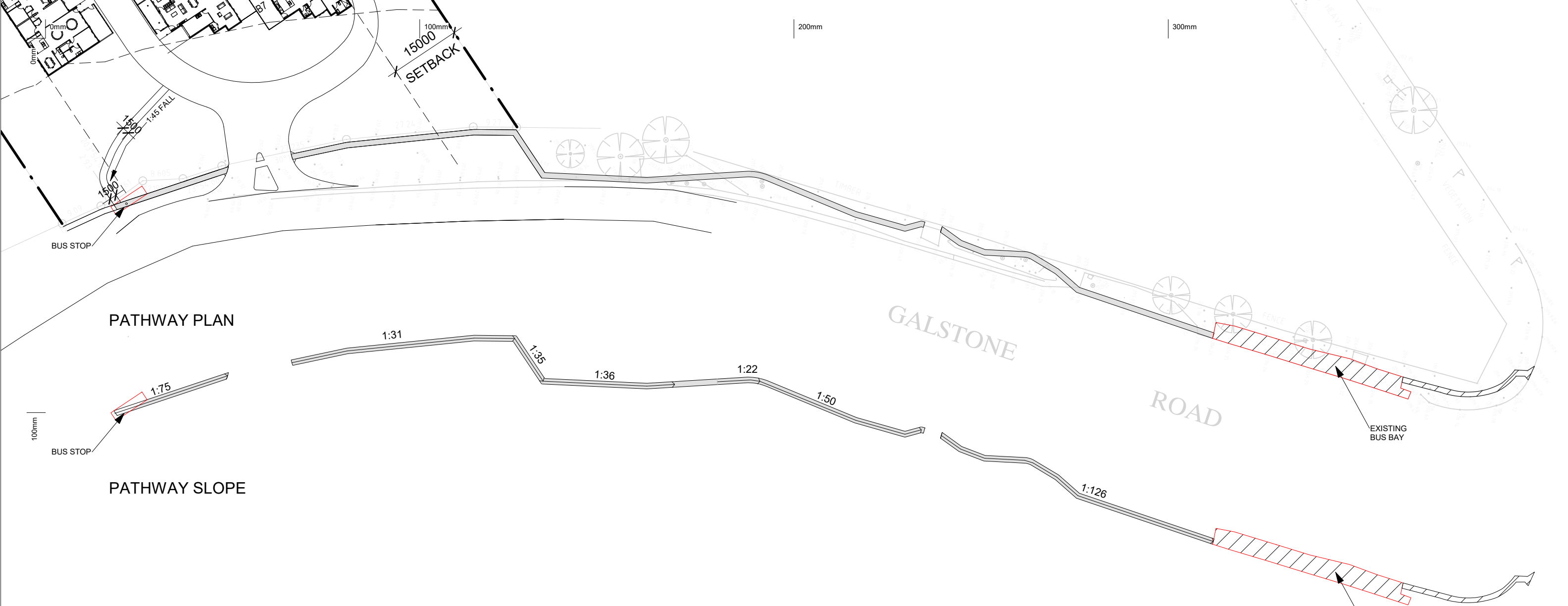
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Project:
RETIREMENT VILLAGE
MOD
392 Galston Rd, Galston NSW 2159

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Drawn by: RT
Checked by: MW
Title: SITE PLAN - STAGE 3
Job NO.: M392RV
Date: 28.08.2021
Scale @ A1:
Scale @ A3: As indicated
Drawing NO.: MOD005
Rev:





DESIGN LEVEL	EXISTING LEVEL	bus stop		vehicle crossing		vehicle crossing		vehicle crossing		existing bus bay	
		24.67 m	1:75	48.83 m	10.95 m	32.14 m	9.14 m	37.94 m	63.22 m		
209.58	210.18										
210.51	210.51										
210.19	210.37										
209.96	210.24										
209.29	209.29										
208.95	208.95										
208.64	208.64										
207.75	207.75										
207.36	207.36										
206.95	206.95										
206.19	206.19										
206.05	206.05										
206.16	206.16										
206.00	206.00										

PATHWAY DETAIL

Notes:

- 1. Design and construction of the footpath within the Galston Road road reserve is to Council's satisfaction, the pram ramps and footpath widths comply with TfNSW's requirements and approval.
- 2. The ultimate design of the Galston Road and Mid Dural Road vehicular access and deceleration lane works are completed prior to the Occupation Certificate is issued for the Stage 2 development.

Date	Rev	Amendment

Project:
RETIREMENT VILLAGE
MOD
392 Galston Rd, Galston NSW 2159



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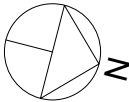
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Checked by: MW

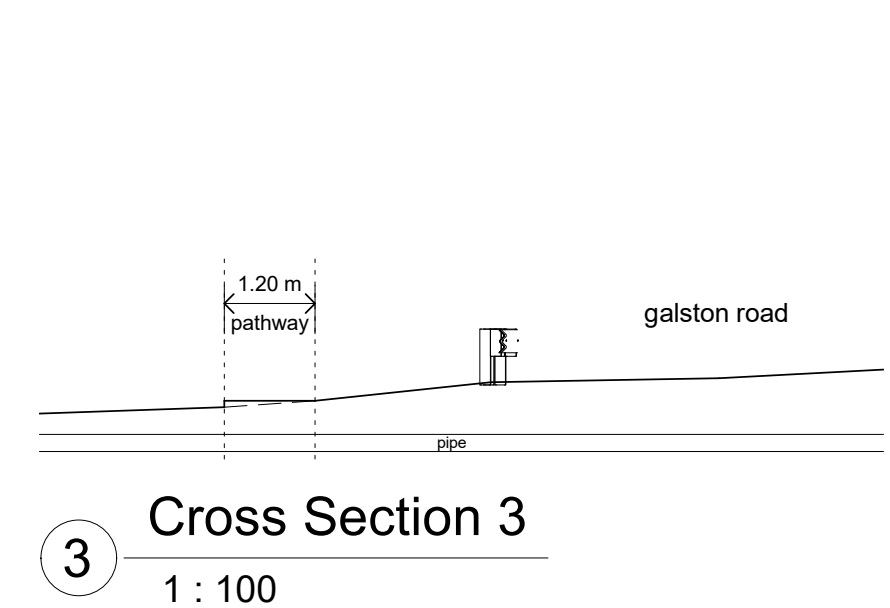
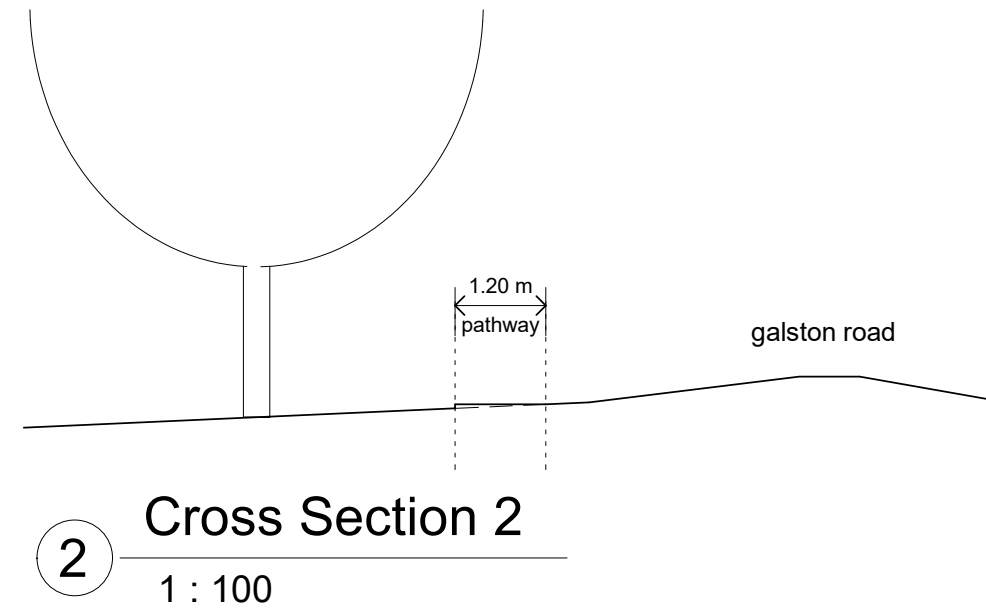
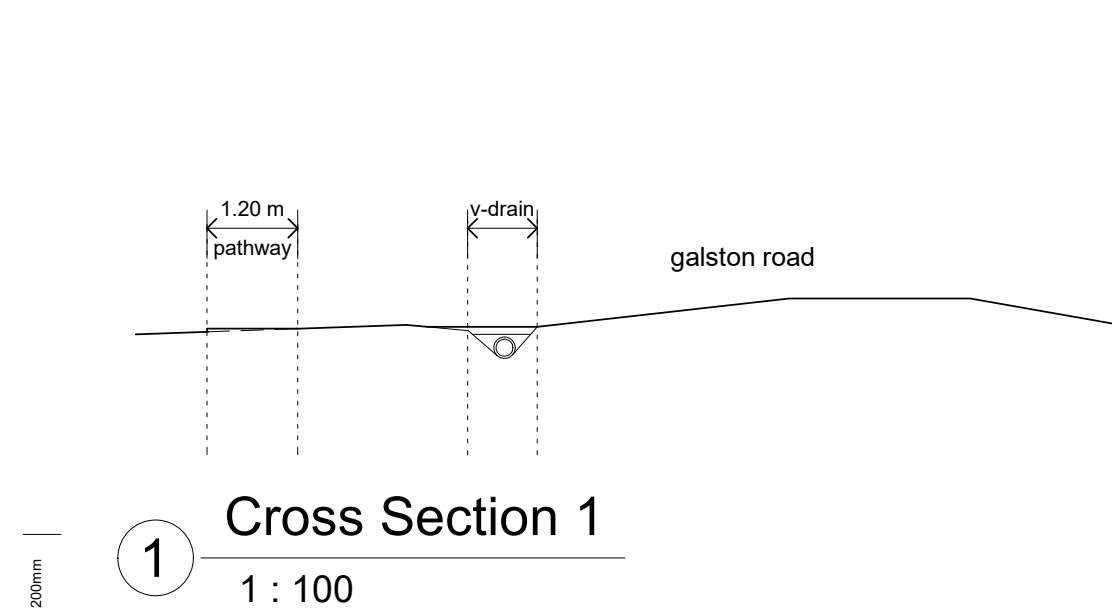
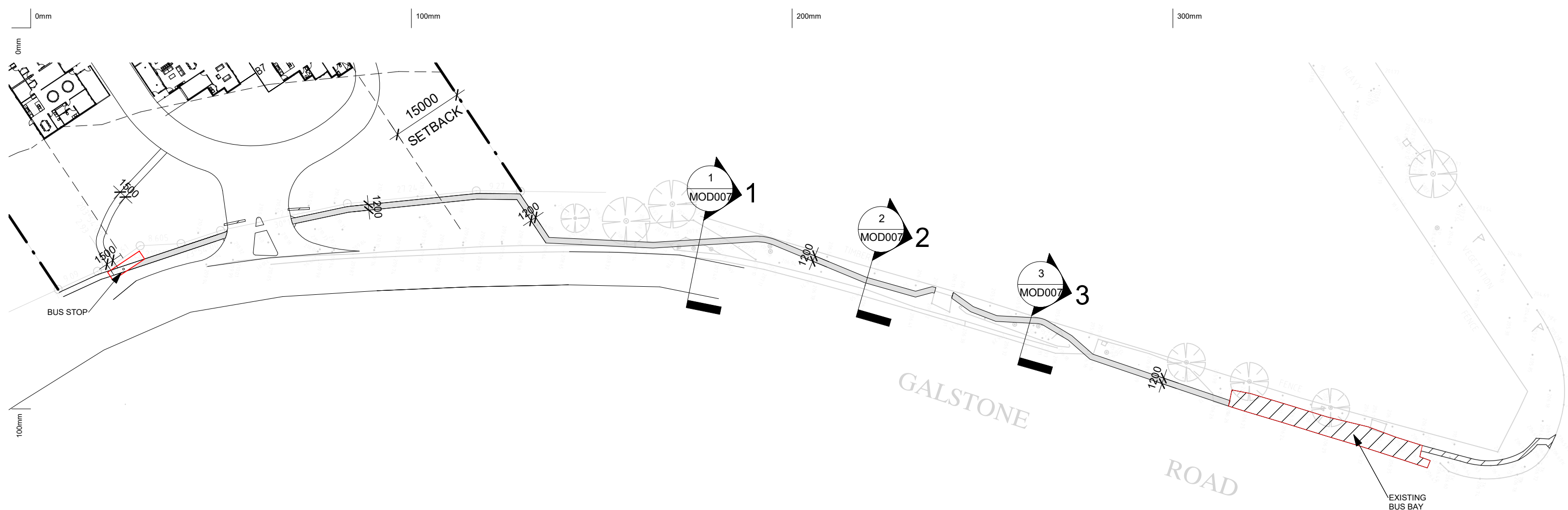
Title: PATHWAY DESIGN (TO EXISTING BUS STOP
AND GALSTON VILLAGE)

Job NO.: M392RV
Date: 28.08.2021

Scale @ A1:
Scale @ A3: 1 : 800

Drawing NO.: MOD006 Rev:





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Date	Rev	Amendment

Project:
RETIREMENT VILLAGE

MOD
392 Galston Rd, Galston NSW 2159



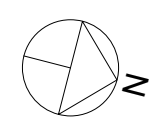
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Land Development
Architecture Design
Construction Management

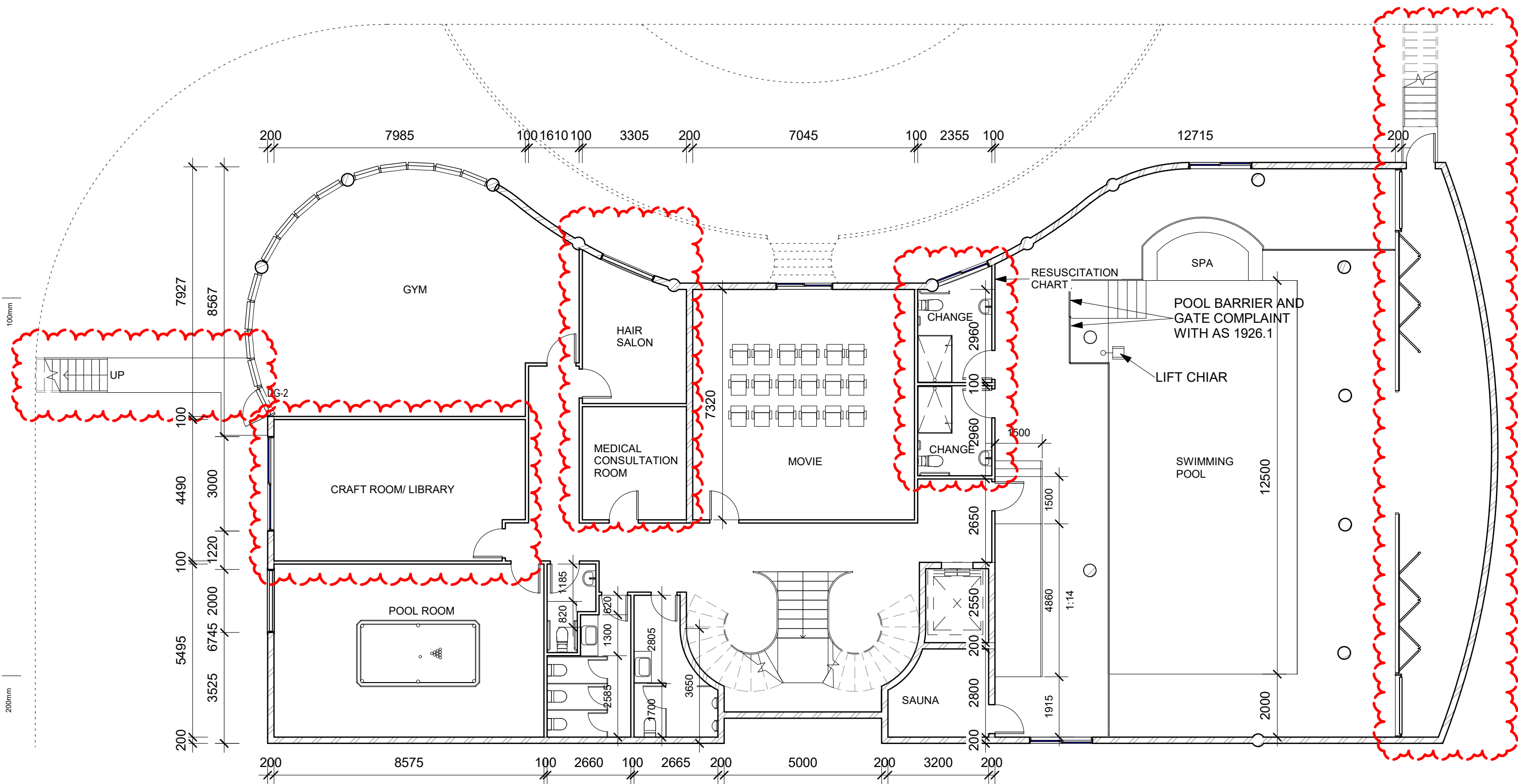
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Drawn by: RT
Checked by: MW
Title: CROSS SECTIONS

Job NO.: M392RV
Date: 28.08.2021

Scale @ A1:
Scale @ A3: As indicated
Drawing NO.: MOD007 Rev:





Date	Rev	Amendment
May 2021	1	Issue for Modification

Project:
RETIREMENT VILLAGE
MOD
392 Galston Rd, Galston NSW 2159



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Drawn by: RT
Checked by: MW

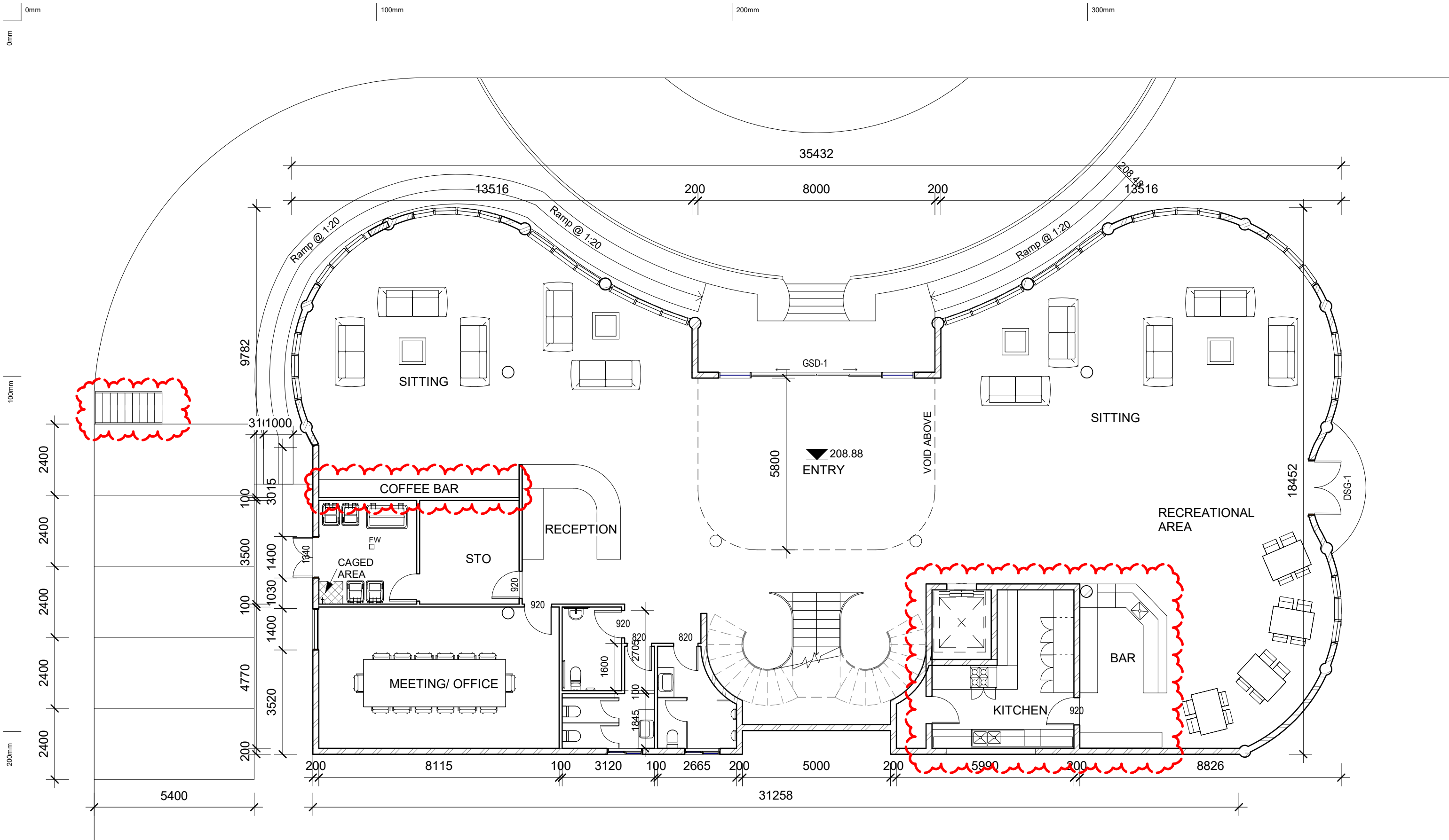
Title: **COMMUNITY CENTRE BASEMENT PLAN**

Job NO.: M392RV
Date: 28.08.2021

Scale @ A1:
Scale @ A3: 1 : 120
Drawing NO.: MOD301

Rev: 1





Date	Rev	Amendment
May 2021	1	Issue for Modification

Project:
RETIREMENT VILLAGE

MOD
392 Galston Rd, Galston NSW 2159



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Drawn by: RT
Checked by: MW
Title: **COMMUNITY CENTRE GROUND FLOOR PLAN**

Scale @ A1:
Scale @ A3: 1 : 120
Job NO.: M392RV
Date: 28.08.2021
Drawing NO.: MOD302
Rev: 1

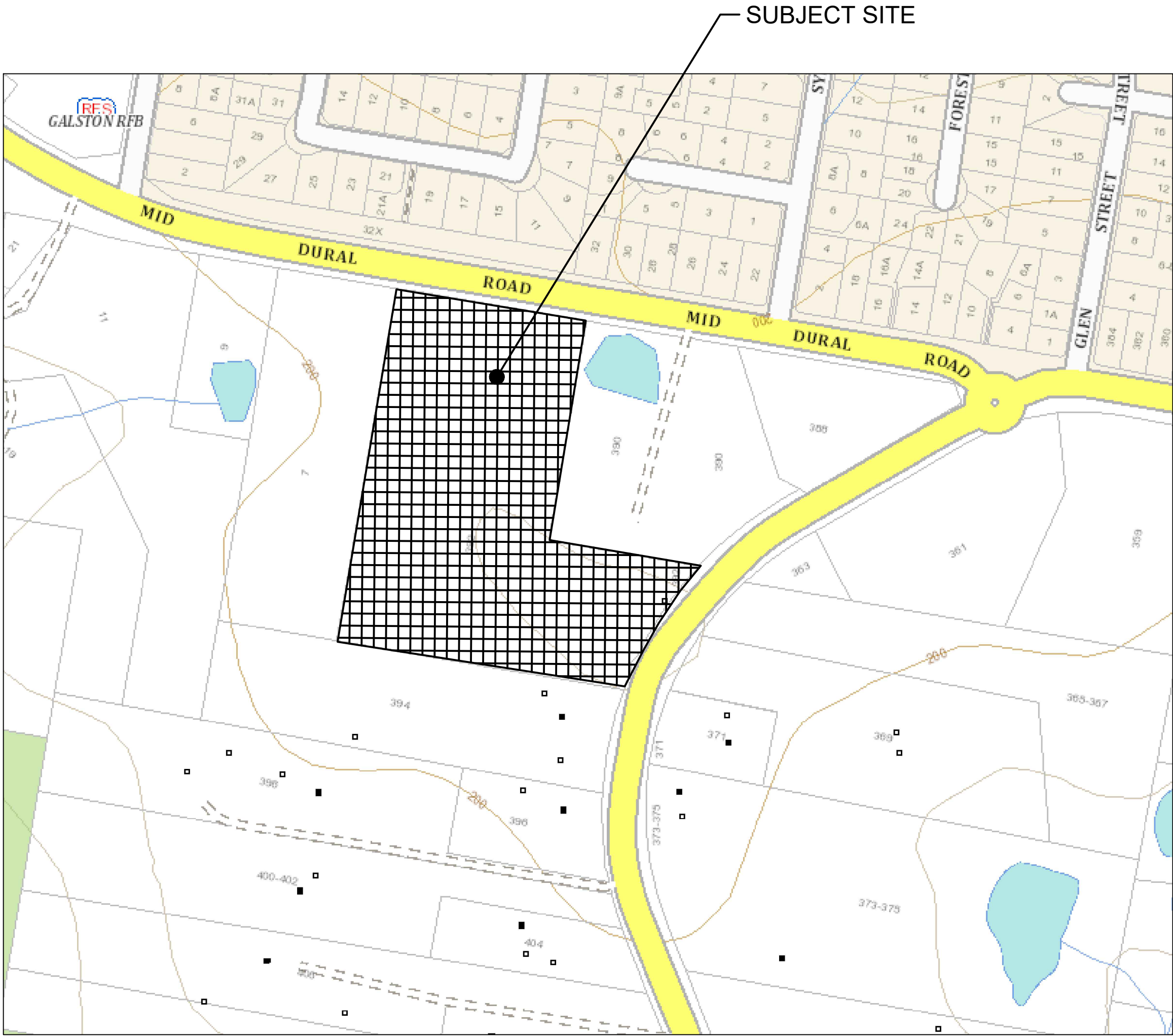


PROPOSED INTERSECTION UPGRADE

392 GALSTON ROAD, GALSTON

CIVIL ENGINEERING PLANS

DRAWING INDEX		
SHEET No.	DRAWING No.	DRAWING TITLE
1	5959 RD01 C	COVER SHEET, LOCALITY PLAN & DRAWING INDEX
2	5959 RD02 C	GENERAL NOTES AND LEGEND
3	5959 RD03 C	OVERALL CIVIL WORKS PLAN
4	5959 RD04 C	CIVIL WORKS PLAN - STAGE 1
5	5959 RD05 C	CIVIL WORKS PLAN - STAGES 2 & 3 (ULTIMATE)
6	5959 RD06 C	CIVIL WORKS PLAN - MID DURAL ROAD
7	5959 RD07 C	LONGITUDINAL SECTION ALONG KERB RETURNS - STAGES 2 & 3 (ULTIMATE)
8	5959 RD08 C	LONGITUDINAL SECTION ALONG KERB RETURNS - MID DURAL ROAD
9	5959 RD09 C	STANDARD DETAILS



LOCALITY PLAN
N.T.S.



FOR DA APPROVAL

D	DA RFI RECEIVED 4.01.2022	18/01/22	SW	SW
C	DA RFI RECEIVED 10.11.2021	16/11/21	AH/AS	SW
B	TINSW COMMENTS RECEIVED 13.08.21	26/08/21	AS	SW
A	FIRST ISSUE	21/07/21	AS	SW
Issue	Description	Date	Drawn	Approved



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& ASSOCIATES
REGISTERED SURVEYORS AND
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Client:
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SUITE 201A
24 THOMAS STREET
CHATSWOOD NSW 2067

Project:
INTERSECTION DESIGN
392 GALSTON ROAD
GALSTON

Designed: AS	Scale: N.T.S.	A1
Drawn: AS	Datum: A.H.D	
Checked: SW	Date: JANUARY 2022	
L.G.A: HORNSBY SHIRE COUNCIL		

Drawing Title:
COVER SHEET, LOCALITY PLAN & DRAWING
INDEX

Issue: D
Dwg No. 5959_RD00_D
Our Ref: 5959
Sheet No. 1 / 9

CONSTRUCTION NOTES

GENERAL:

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCILS STANDARD SPECIFICATIONS AND TO THE REQUIREMENTS OF COUNCIL'S ENGINEER.
- COUNCIL'S TREE PRESERVATION ORDER IS TO BE STRICTLY ADHERED TO AND NO TREES SHALL BE FELLED, LOPPED OR REMOVED WITHOUT PRIOR APPROVAL.
- A SUBDIVIDER OR CONTRACTOR CARRYING OUT CONSTRUCTIONAL WORKS ON A SUBDIVISION SHALL RESTRICT SUCH ACTIVITIES TO WITHIN THE HOURS OF 7.00am TO 5.00pm ON MONDAYS TO SATURDAYS. NO WORK SHALL BE UNDERTAKEN OUTSIDE THE HOURS SPECIFIED ABOVE OR ON SUNDAYS WITHOUT THE WRITTEN APPROVAL OF COUNCIL.
- VEHICULAR ACCESS AND ALL SERVICES TO BE MAINTAINED AT ALL TIMES TO ADJOINING PROPERTIES AFFECTED BY CONSTRUCTION WORKS.
- ALL RUBBISH, BUILDINGS, SHEDS AND FENCES TO BE REMOVED AS SHOWN ON PLANS. HERITAGE ITEMS TO BE PROTECTED AND RETAINED AS REQUIRED.
- STRUCTURAL CERTIFICATION REQUIRED FOR MAJOR AND NON STANDARD STRUCTURES.
- DIMENSIONS SHOULD NOT BE SCALED FROM THE PLANS.
- EXISTING SURVEY MARKS SHOULD BE MAINTAINED AT ALL TIMES.
- SEDIMENT AND EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED PRIOR TO ANY WORKS COMMENCING AND IN KEEPING WITH LATEST EDITION OF LANDCOM'S 'SOILS AND CONSTRUCTION - MANAGING URBAN STORMWATER' DOCUMENT.
- ERECT STREET SIGNS AND CONDUIT WARNING SIGNS WHERE SHOWN OR WHERE DIRECTED BY COUNCIL'S REPRESENTATIVE.
- FELLED TREES SHALL BE SALVAGED FOR REUSE AS WOODCHIP MULCH OR LOG FORM FOR SITE REHABILITATION, NON-SALVAGEABLE MATERIAL SUCH AS STUMPS AND ROOTS SHALL BE DISPOSED OF OFF SITE.
- THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 24 HOURS' NOTICE TO COUNCIL'S REPRESENTATIVE FOR ALL INSPECTIONS.
- THE CONTRACTOR SHALL UNDERTAKE TRAFFIC CONTROL MEASURES TO COUNCIL'S SATISFACTION AND SHALL DISPLAY ALL APPROPRIATE WARNING SIGNS THROUGHOUT THE DURATION OF CONSTRUCTION.

SERVICES:

- PUBLIC UTILITY SERVICES ARE TO ADJUSTED AS NECESSARY AND AT NO COST TO COUNCIL.
- CONDUITS TO BE LAID AS DIRECTED BY THE RELEVANT AUTHORITY, CLEAR OF VEHICULAR CROSSINGS.
- SERVICES SHOWN ON THESE PLANS HAVE BEEN LOCATED FROM INFORMATION SUPPLIED BY THE RELEVANT AUTHORITIES AND FIELD INVESTIGATIONS AND ARE NOT GUARANTEED COMPLETE OR CORRECT. A FULL SERVICES SEARCH MUST BE UNDERTAKEN PRIOR TO ANY GROUND DISTURBANCE OR CONSTRUCTION.
- PUBLIC UTILITY STUB-MAINS TO BE INSTALLED PRIOR TO THE PREPARATION OF SUB-GRADE.
- POSITION OF CONDUITS SHALL BE MARKED ON THE KERB.

EARTHWORKS:

- EARTHWORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S ENGINEER. UNSOUND MATERIALS ARE TO BE REMOVED FROM ROADS AND LOTS PRIOR TO FILLING.
- PROVIDE 150mm TOPSOIL WITH TURF OR GRASS SEEDING ON ALL FOOTPATHS AND DISTURBED AREAS.
- ALL SITE FILLING SHALL BE PLACED IN LAYERS NOT EXCEEDING 300mm AND COMPACTED IN ACCORDANCE WITH COUNCIL'S SPECIFICATIONS AND BE TESTED AT THE REQUIRED INTERVALS BY AN APPROVED N.A.T.A. LABORATORY.
- WHERE LOT FILLING OF IN EXCESS OF 300mm IS PROPOSED, LEVELS ARE TO BE TAKEN ON THE STRIPPED SURFACE PRIOR TO THE COMMENCEMENT OF FILLING AND ON THE FINISHED SURFACE. ALL LEVELS TO BE SHOWN ON THE WORK-AS-EXECUTED PLAN.
- SUB-GRADE IN ROCK TO BE RIPPED, SCARIFIED, SPREAD AND COMPACTED TO A MINIMUM DEPTH OF 300mm BELOW THE FINISHED SUB-GRADE LEVEL.
- NO TOPSOIL TO BE REMOVED FROM THE SUBDIVISION.
- WHERE THE SLOPE OF THE NATURAL SURFACE EXCEEDS ONE IN FOUR (1:4) FILL EMBANKMENT, BENCHES ARE TO BE CUT TO PREVENT SLIPPING OF THE FILL MATERIAL OR AS REQUIRED BY COUNCIL'S ENGINEER.
- DETAILS OF THE SOIL AND PAVEMENT TESTING ARE TO BE SUBMITTED TO COUNCIL PRIOR TO INSPECTION OF SUBGRADE.

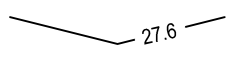
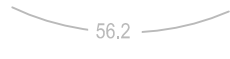
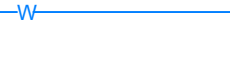
STORMWATER:

- PRE-CAST KERB INLETS TO BE USED ON GULLY PITS. GRATES SHALL BE 'WELDLCK' TYPE GG 78-51 OR APPROVED EQUIVALENT.
- PROVIDE AGRICULTURAL DRAINS WITH FLUSHING POINTS AND STANDARD COVERS AT MAX. 60m INTERVALS AND ELSEWHERE AS DIRECTED BY COUNCIL'S ENGINEER. MARK FACE OF KERB ADJACENT TO COVERS 'SS'.
- ALL PIPELINES ARE TO BE LAID IN TRENCH CONDITIONS (TYPE B BEDDING).
- ALL LONGITUDINAL PIPELINES IN ROADS TO BE LOCATED UNDER KERB AND GUTTER TO BE BACKFILLED WITH WASHED RIVER SAND.
- ALL PITS TO BE BENCHED AND STREAMLINED. PROVIDE STEP IRONS FOR ALL PITS OVER 1.2m DEEP.
- CATCH DRAINS TO BE CONSTRUCTED AS REQUIRED BY COUNCIL'S ENGINEER.
- SUITABLE EASEMENTS TO DRAIN WATER TO BE PROVIDED OVER DRAINAGE LINES THROUGH ALLOTMENTS.
- CONSTRUCT TAIL OUT DRAINS FROM KERB AND GUTTER. WRITTEN PERMISSION TO DISCHARGE WATER NEEDS TO BE OBTAINED FROM ADJOINING PROPERTY OWNERS AND SUBMITTED TO COUNCIL PRIOR TO COMMENCEMENT OF WORKS.
- PROVIDE INDEMNITY FOR GUTTER DISCHARGE ONTO ADJOINING PROPERTY WHERE NECESSARY.
- PRIOR TO THE COMMENCEMENT OF CONSTRUCTION WORKS ON ADJOINING PROPERTIES, WRITTEN PERMISSION IS TO BE OBTAINED FROM THE RELEVANT OWNERS AND SUBMITTED TO COUNCIL.
- ADEQUATE PROVISION TO BE MADE FOR SCOURING AND SEDIMENTATION TO ALL DRAINAGE WORKS AS DIRECTED.
- INTEL LENGTHS SHOWN SHOWN INDICATES LENGTH OF CLEAR OPENING.
- CONDUIT TRENCHES, SUBSOIL DRAINS AND STORMWATER DRAINAGE LINES TO BE BACKFILLED WITH APPROVED WASHED RIVER SAND, FLOODED AND VIBRATED. CONDUIT TRENCH TO BE GRADED AT MINIMUM OF ONE PERCENT (1%) GRADE TO EITHER SUBSOIL OR STORMWATER DRAINAGE LINES.
- 100 YEAR FLOW PATHS TO BE FORMED AT THE TIME OF CONSTRUCTION.

ROADWORKS:

- SEPARATE VEHICULAR CROSSING TO BE PROVIDED WHERE SHOWN THUS: 
- MAKE SMOOTH JUNCTIONS WITH EXISTING WORKS.
- GUIDE POSTS WITH ATTACHED REFLECTORS TO BE PLACED WHERE DIRECTED.
- PROVISION TO BE MADE FOR SUITABLE PROTECTION OF ROAD PAVEMENT, KERB AND GUTTER, AND FOOTPATH FORMATION.
- WHERE KERB AND GUTTER IS LAID BY THE USE OF A KERB AND GUTTER MACHINE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TAKING AND TESTING OF CORE SAMPLES, FORWARDING TEST RESULTS TO COUNCIL AND REMOVAL OF KERB AND GUTTER, ALL AT CONTRACTOR'S EXPENSE.
- CONSTRUCTION OF DRIVEWAYS ACROSS FOOTPATHS TO BE DEFERRED UNTIL ALL SERVICES ARE LAID.
- DRIVEWAYS / LAYBACKS TO HAVE MINIMUM 1.0m CLEARANCE FROM POWER AND LIGHT POLES AND STORMWATER DRAINS, AND 6.0m CLEARANCE FROM KERB RETURN TANGENT POINTS.
- VEHICLE CROSSINGS ARE TO BE MINIMUM 4.0m WIDE AT THE KERB AND GUTTER.
- FINAL PAVEMENT THICKNESS AND TESTING REQUIREMENTS TO BE IN ACCORDANCE WITH COUNCIL'S SPECIFICATIONS.

CIVIL LEGEND

- 
- FINISHED SURFACE CONTOUR
- 
- NATURAL SURFACE CONTOUR
- 
- ELECTRICITY
- 
- NBN LINE
- 
- OPTUS LINE
- 
- SYDNEY WATER



FOR DA APPROVAL

D	DA RFI RECEIVED 4.01.2022	18/01/22	SW	SW
C	DA RFI RECEIVED 10.11.2021	16/11/21	AH/AS	SW
B	TINSW COMMENTS RECEIVED 13.08.21	26/08/21	AS	SW
A	FIRST ISSUE	21/07/21	AS	SW
Issue	Description	Date	Drawn	Approved



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& ASSOCIATES
REGISTERED SURVEYORS AND
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Internet
mepstead@mepstead.com.au
www.mepstead.com.au

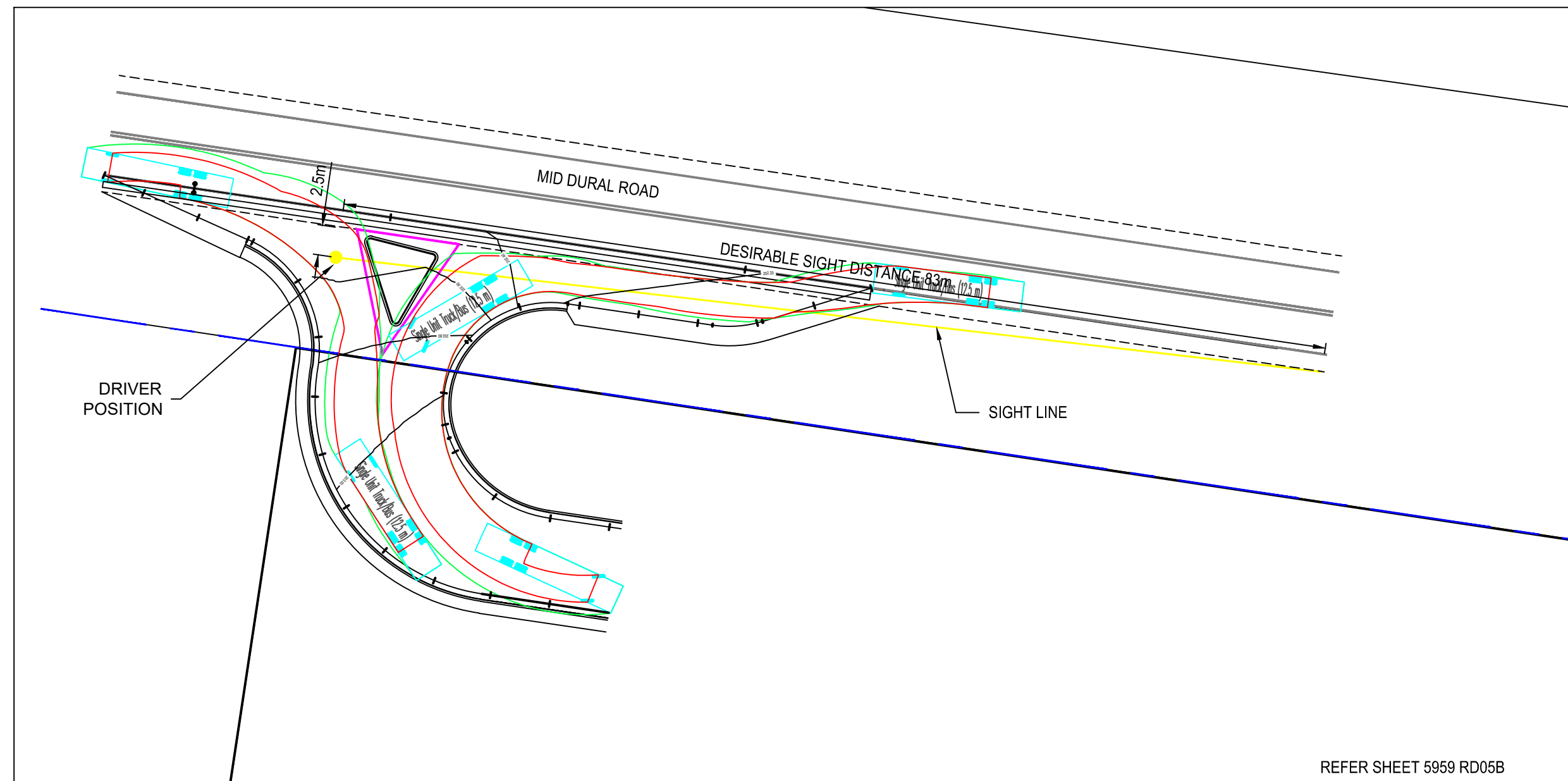
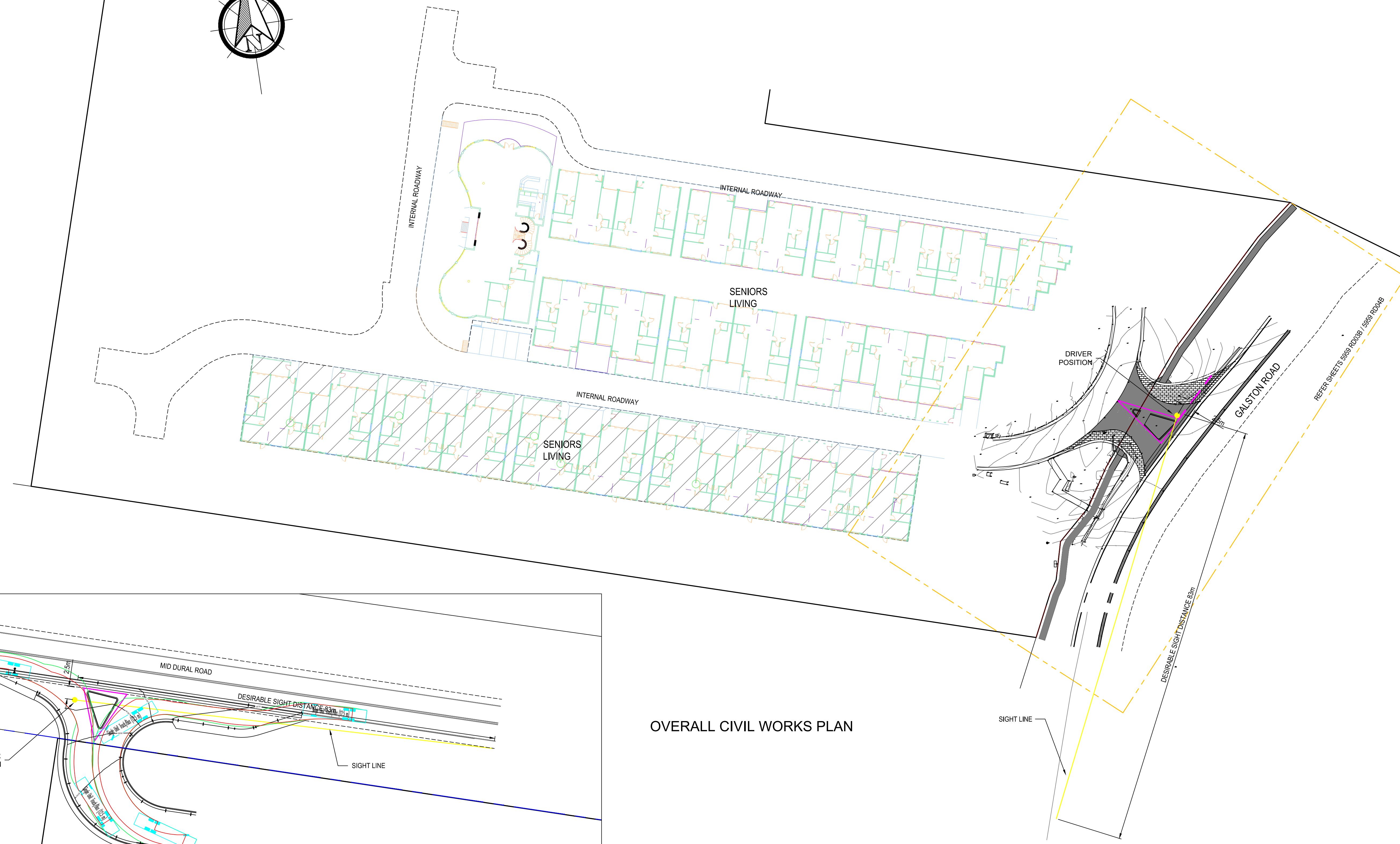
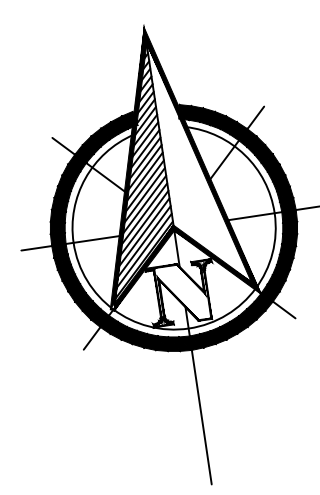
Client:
VIGOR MASTER PTY LTD
SUITE 201A
24 THOMAS STREET
CHATSWOOD NSW 2067

Project:
INTERSECTION DESIGN
392 GALSTON ROAD
GALSTON

Designed: AS	Scale: N.T.S.	A1
Drawn: AS	Datum: A.H.D	
Checked: SW	Date: JANUARY 2022	
L.G.A: HORNSBY SHIRE COUNCIL		

Drawing Title:
GENERAL NOTES AND LEGEND

Issue: D	
Drg. No. 5959_RD01_D	
Our Ref: 5959	Sheet No. 2 / 9



OVERALL CIVIL WORKS PLAN

SIGHT DISTANCE NOTES:
• IN ACCORDANCE WITH FIGURE 3.2 OF AS 2890



FOR DA APPROVAL

D		DA RFI RECEIVED 4.01.2022	18/01/22	SW	SW
C		DA RFI RECEIVED 10.11.2021	16/11/21	AH/AS	SW
B		TINSW COMMENTS RECEIVED 13.08.21	26/08/21	AS	SW
A		FIRST ISSUE	21/07/21	AS	SW
Issue	Description		Date	Drawn	Approved

	mepstead & ASSOCIATES	
	REGISTERED SURVEYORS AND DEVELOPMENT CONSULTANTS	

Sydney	9/4 Central Avenue, Thornleigh N.S.W. 2120
Phone	02 9875 4500

Postal	PO BOX 22, Thornleigh N.S.W. 2120
Internet	mepstead@mepstead.com.au www.mepstead.com.au

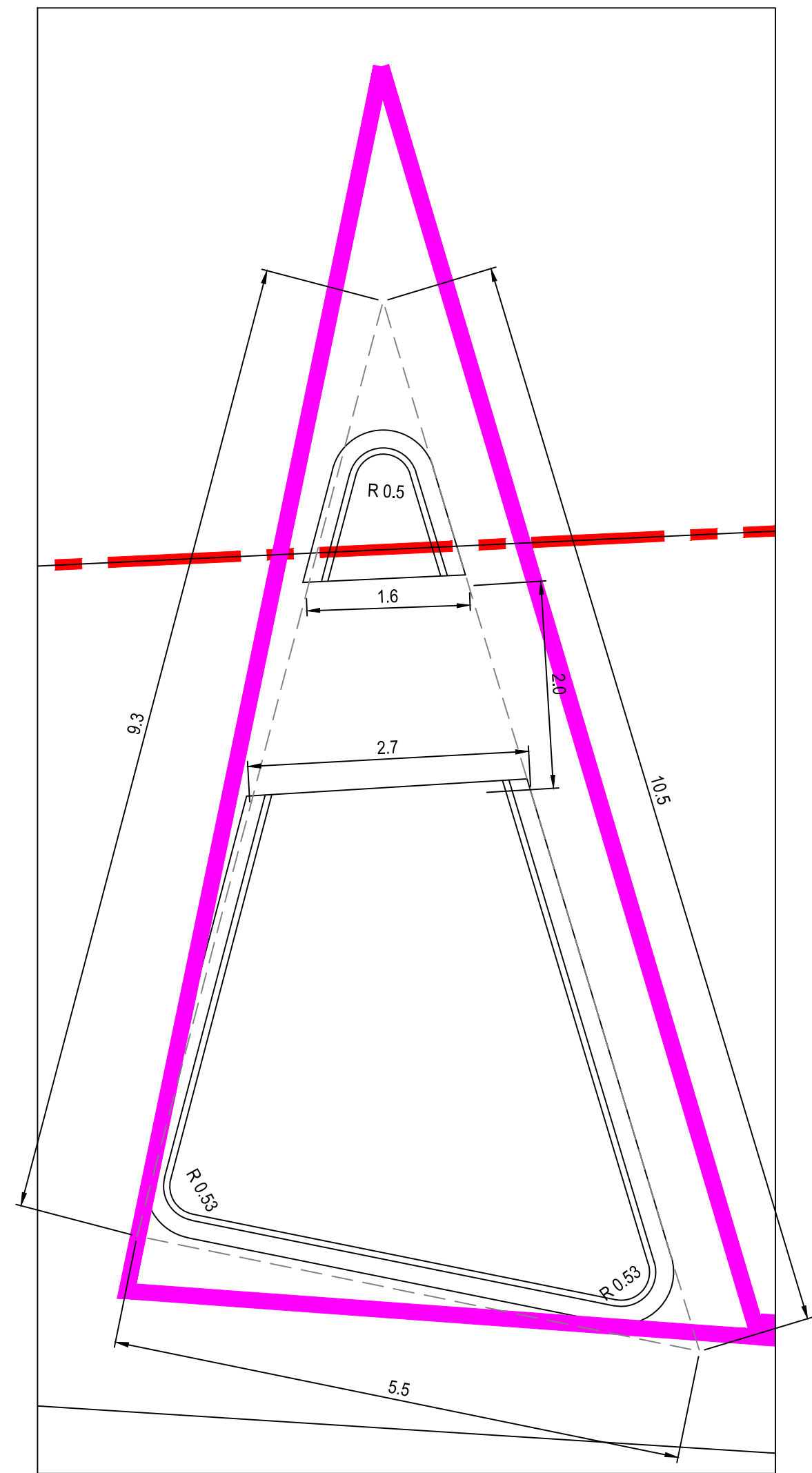
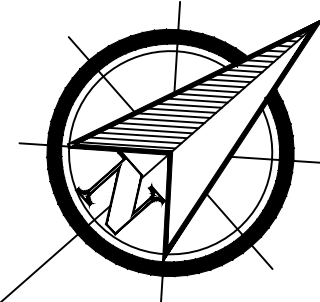
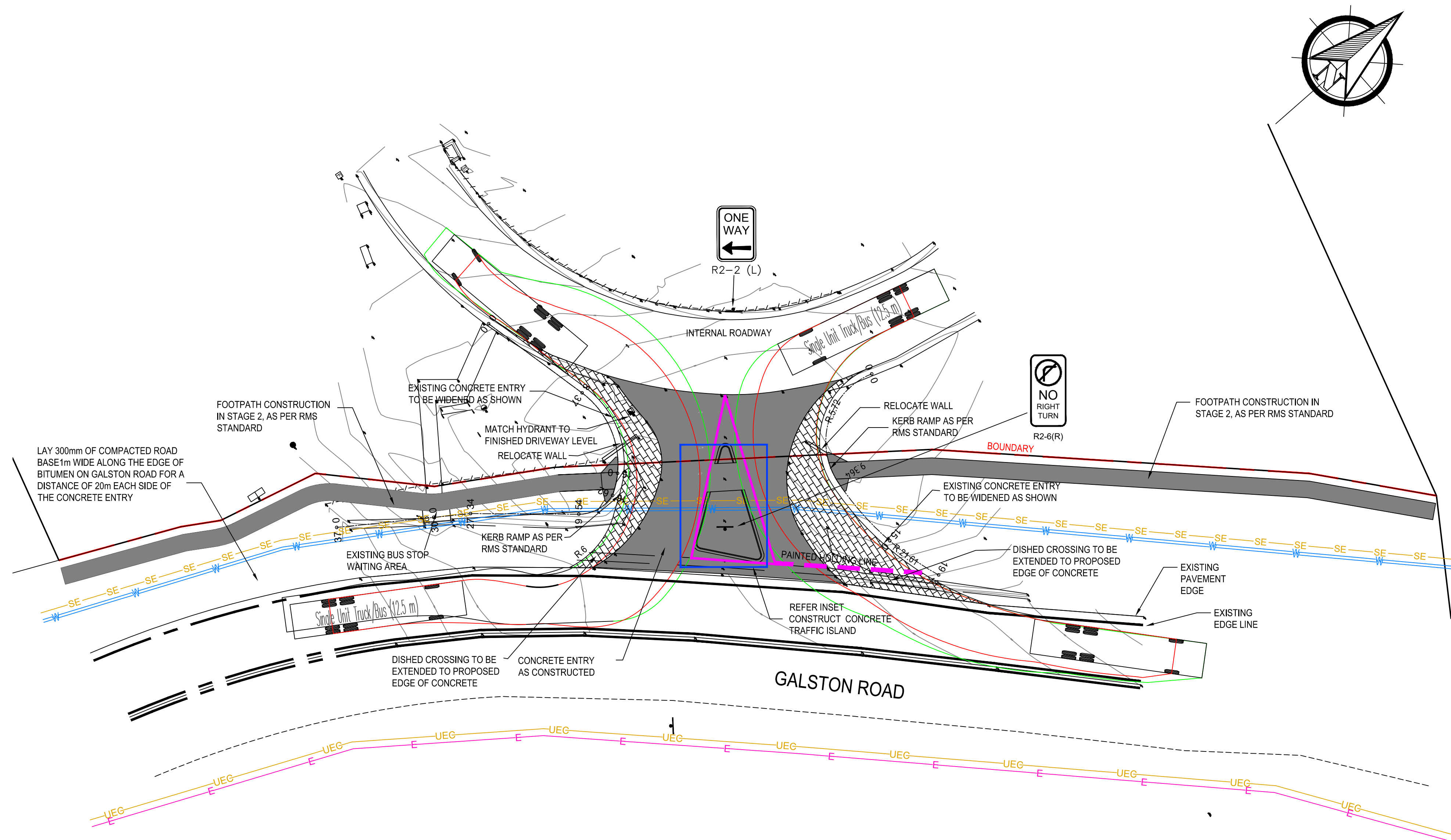
Client:		VIGOR MASTER PTY LTD
		SUITE 201A 24 THOMAS STREET CHATSWOOD NSW 2067

Project:		INTERSECTION DESIGN
		392 GALSTON ROAD GALSTON

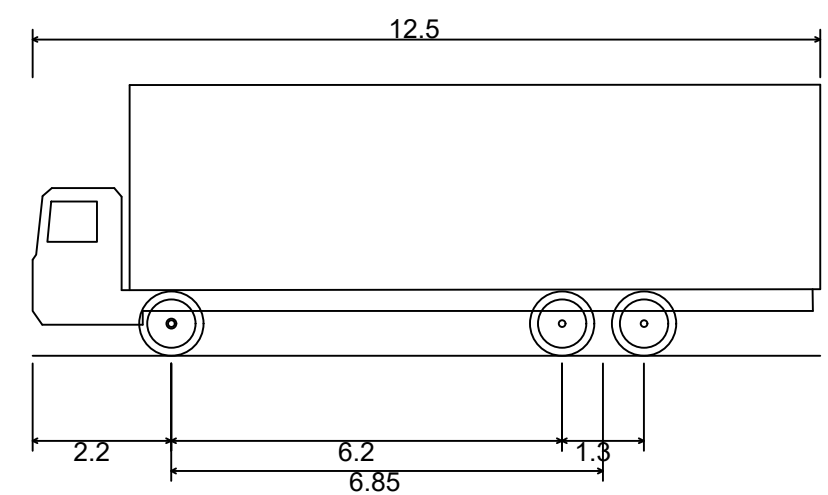
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Drawn:	AS	Datum:	A.H.D	
Checked:	SW	Date:	JANUARY 2022	
L.G.A: HORNSBY SHIRE COUNCIL				

Drawing Title:		GENERAL LAYOUT PLAN
----------------	--	---------------------

Issue:	D
Dwg No:	5959_RD01_D
Our Ref:	5959
Sheet No:	3 / 9



INSET



Single Unit Truck/Bus (12.5 m)	
Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.450m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

CIVIL WORKS PLAN - STAGE 1



FOR DA APPROVAL

D	DA RFI RECEIVED 4.01.2022	18/01/22	SW	SW
C	DA RFI RECEIVED 10.11.2021	16/11/21	AH/AS	SW
B	TINSW COMMENTS RECEIVED 13.08.21	26/08/21	AS	SW
A	FIRST ISSUE	21/07/21	AS	SW
Issue	Description	Date	Drawn	Approved



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Phone 02 9875 4500

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Internet
mepstead@mepstead.com.au
www.mepstead.com.au

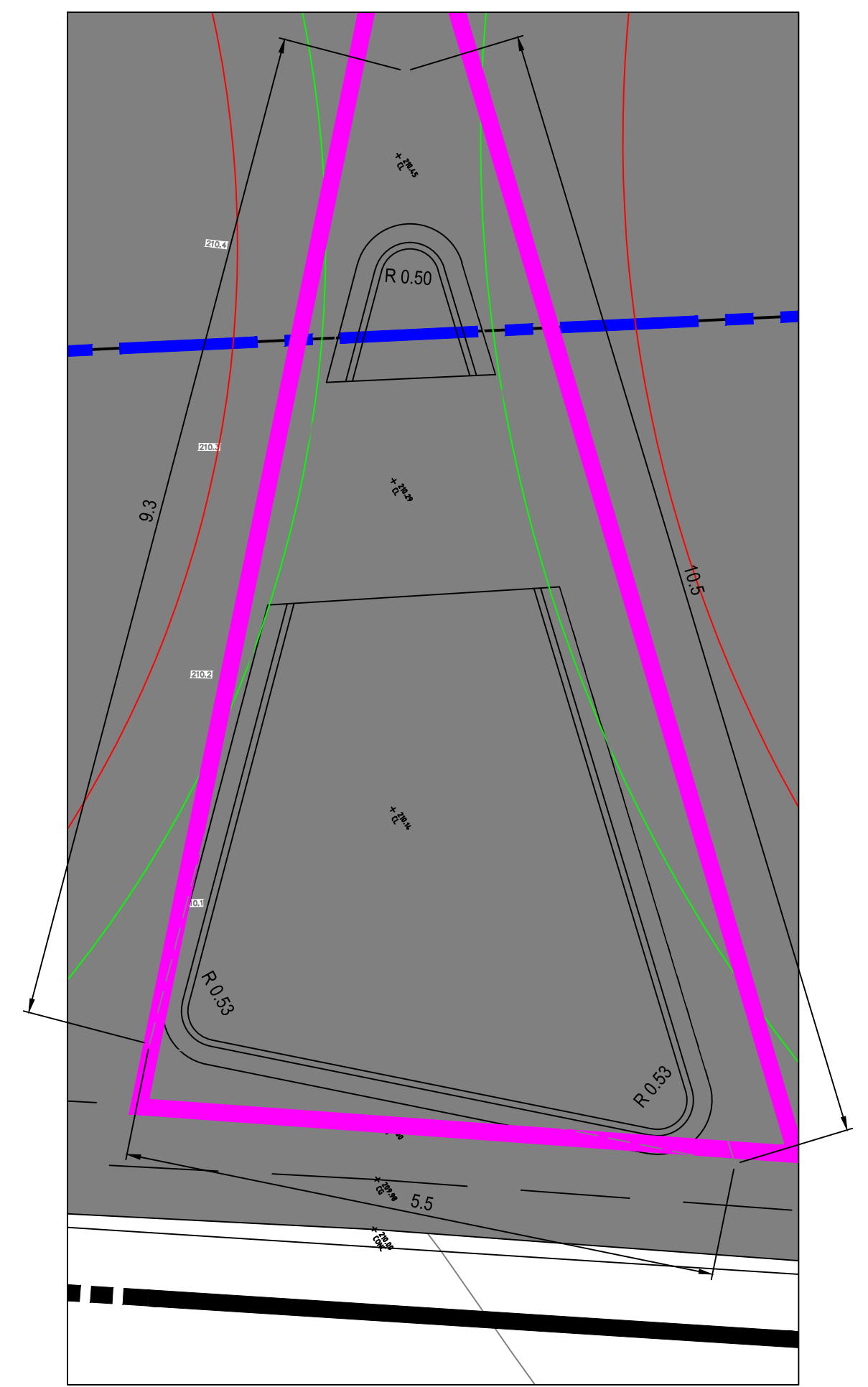
Client:
VIGOR MASTER PTY LTD
SUITE 201A
24 THOMAS STREET
CHATSWOOD NSW 2067

Project:
INTERSECTION DESIGN
392 GALSTON ROAD
GALSTON

Designed:	AS	Scale:	1:200	A1
Drawn:	AS	Datum:	A.H.D	
Checked:	SW	Date:	JANUARY 2022	
L.G.A: HORNSBY SHIRE COUNCIL				

Drawing Title:
CIVIL WORKS PLAN - STAGE 1

Issue:	D
Dwg No:	5959_RD03_D
Our Ref:	5959
Sheet No:	4 / 9



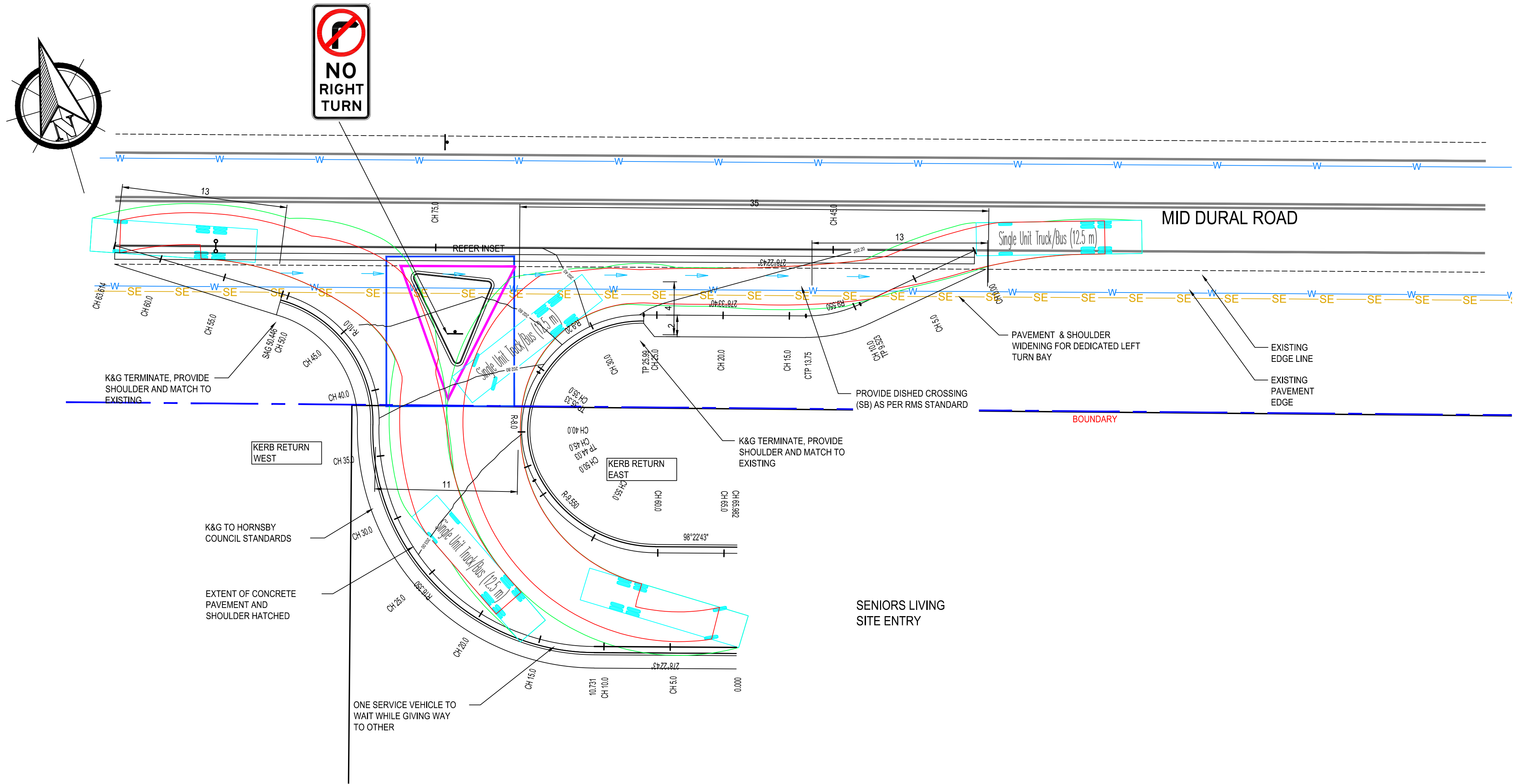
	NEW SHOULDER	NEW PAVEMENT FOR LEFT TURN	DISH CROSSING
DATUM R.L. 206			
LEVEL DIFF.	0	0.119	0.090
DESIGN LEVEL	209.738	209.573	209.554
EXISTING LEVEL	209.738	209.692	209.644
OFFSET	1.0	209.447	209.416
	0	209.418	209.416
	0.024		

	STATIONING	EXISTING ELEVATION	DESIGN ELEVATION	LEVEL DIFF.
OFFSET	-19.04	210.588	210.526	0.061
	-13.53	210.54	210.51	0.03
	-8.103	210.419	210.46	0.042
	-5.196	210.213	210.295	0.083
	-1.207	210.058	210.058	0
	0	210.016	210.016	0
	1.21	210.028		

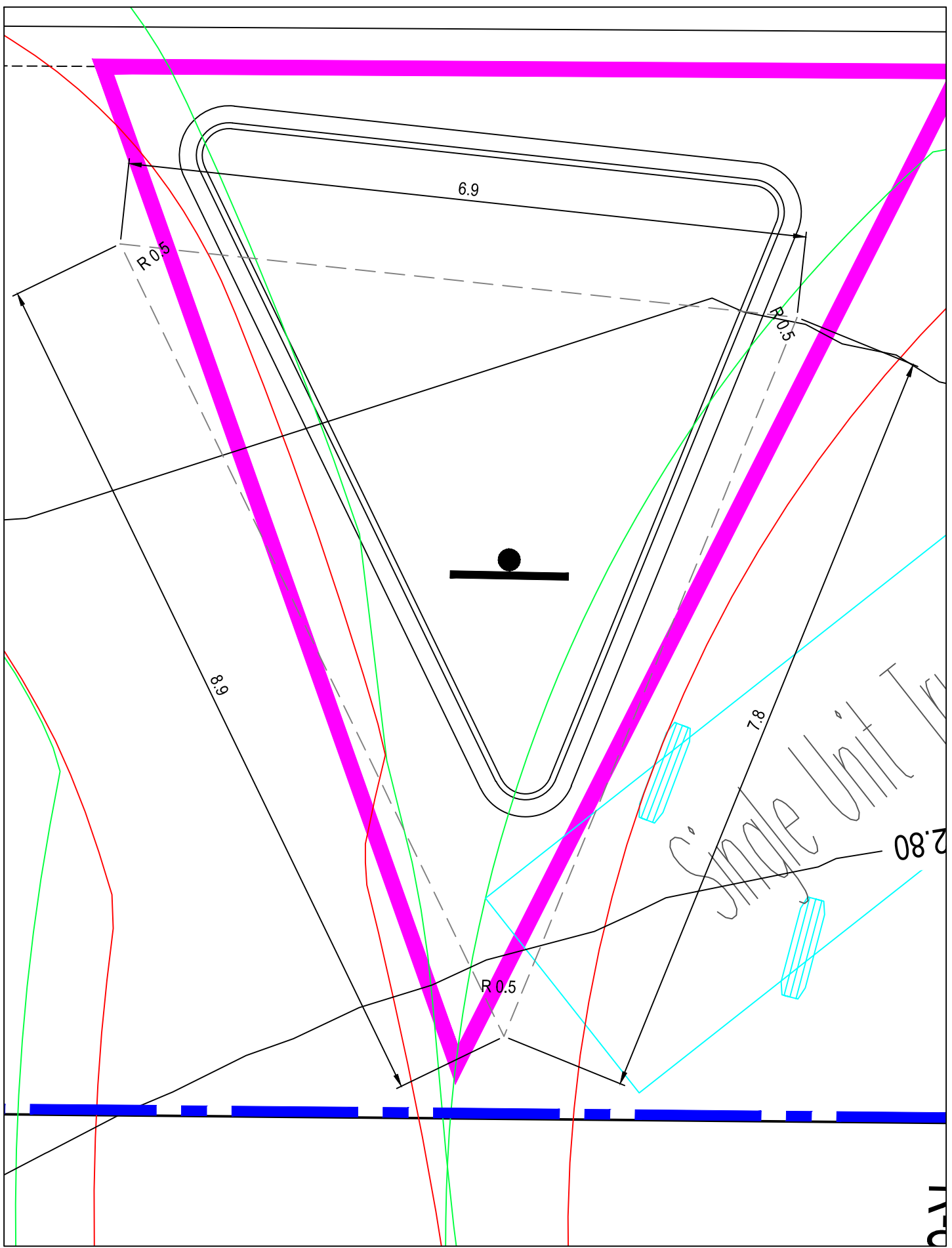
 **DIAL BEFORE
YOU DIG**
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Issue:	D
Drg. No.	5959_RD04_D
Our Ref:	5959
Sheet No.	5 / 9



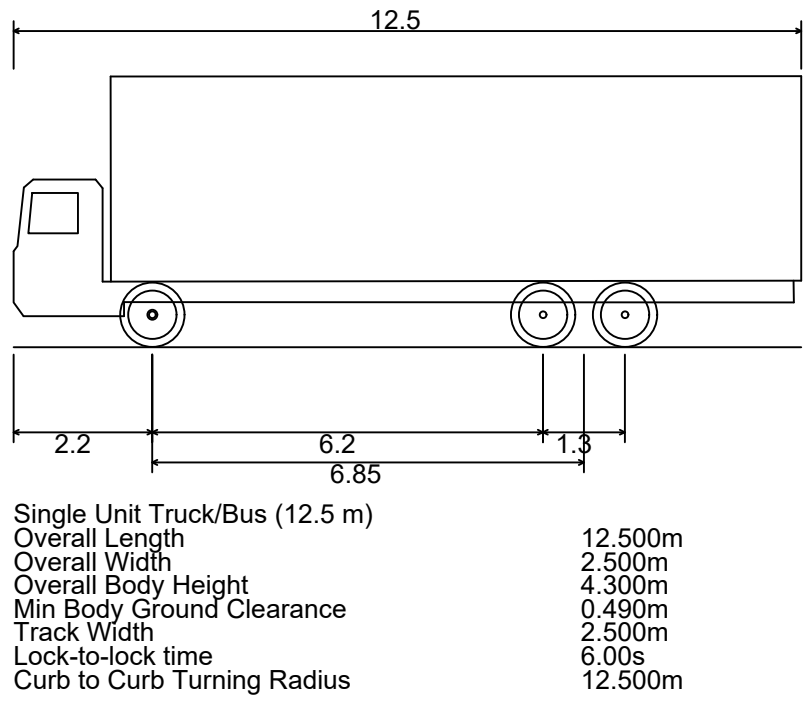
CIVIL WORKS PLAN - STAGES 2 & 3



INSET

CH 45					
LEVEL	DIFF.	DESIGN LEVEL	EXISTING LEVEL	OFFSET	
0	0.280	202.698	202.698	-7.906	
0.282	0.283	202.364	202.616	-5.000	
0.283	0.288	202.316	202.609	-4.314	
0.288	0.288	202.290	202.588	-3.466	
0.107	0.107	202.217	202.321	-1.000	
0.107	0.107	202.216	202.321	0	

CH 75					
LEVEL	DIFF.	DESIGN LEVEL	EXISTING LEVEL	OFFSET	
1.788	1.193	202.99	204.779	-20	
1.193	2.135	202.882	204.075	-13.468	
2.135	0.193	202.79	204.925	-10.667	
0.193	0.191	202.491	207.684	-1.362	
0.191	0.191	202.489	207.68	-1.263	
0.191	0.191	202.467	207.68	0	



FOR DA APPROVAL

Issue	Description	Date	Drawn	Approved
D	DA RFI RECEIVED 4.01.2022	18/01/22	SW	SW
C	DA RFI RECEIVED 10.11.2021	16/11/21	AH/AS	SW
B	TNSW COMMENTS RECEIVED 13.08.21	26/08/21	AS	SW
A	FIRST ISSUE	21/07/21	AS	SW



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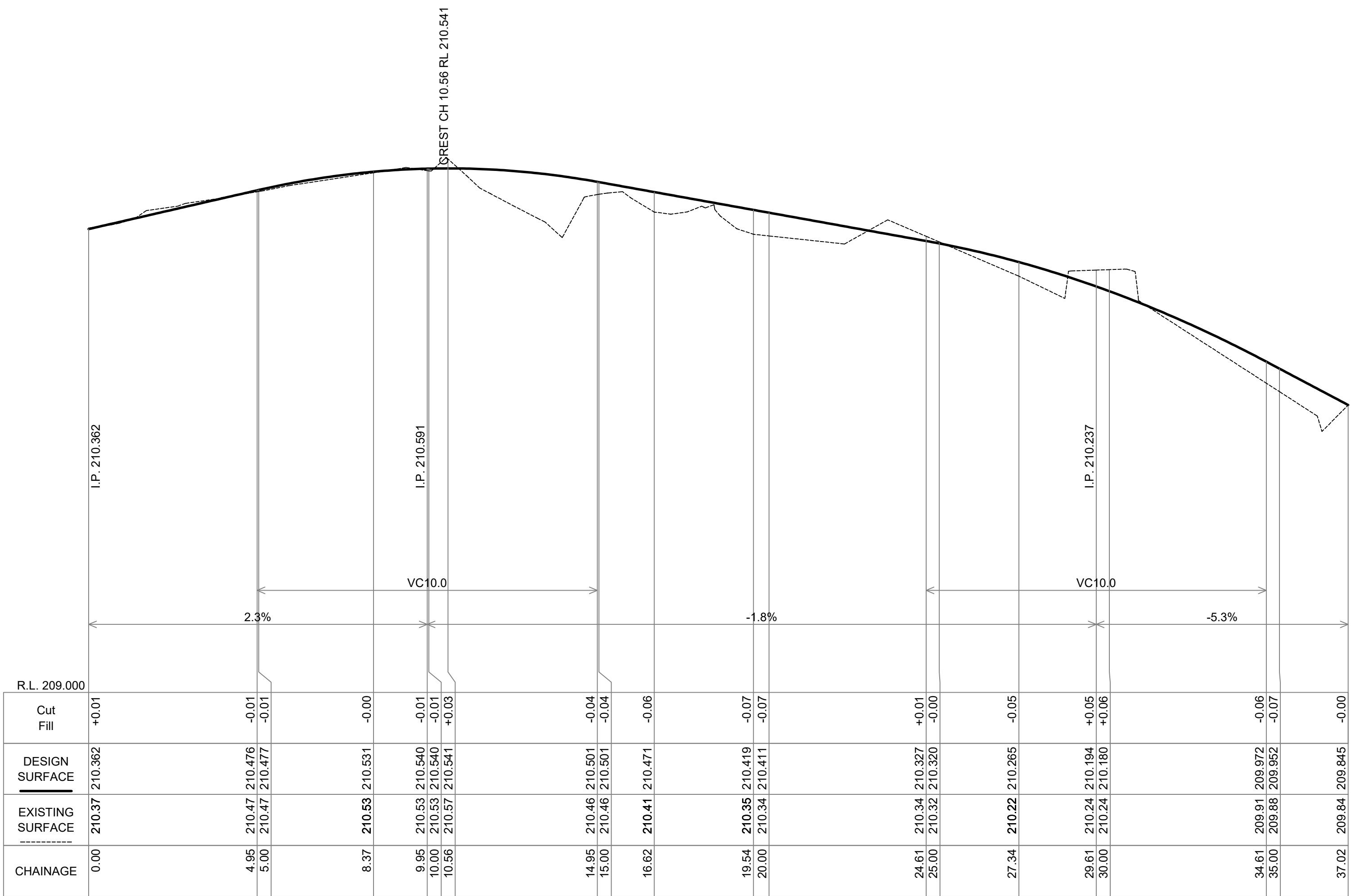
Client:
VIGOR MASTER PTY LTD
SUITE 201A
24 THOMAS STREET
CHATSWOOD NSW 2067

Project:
INTERSECTION DESIGN
392 GALSTON ROAD
GALSTON

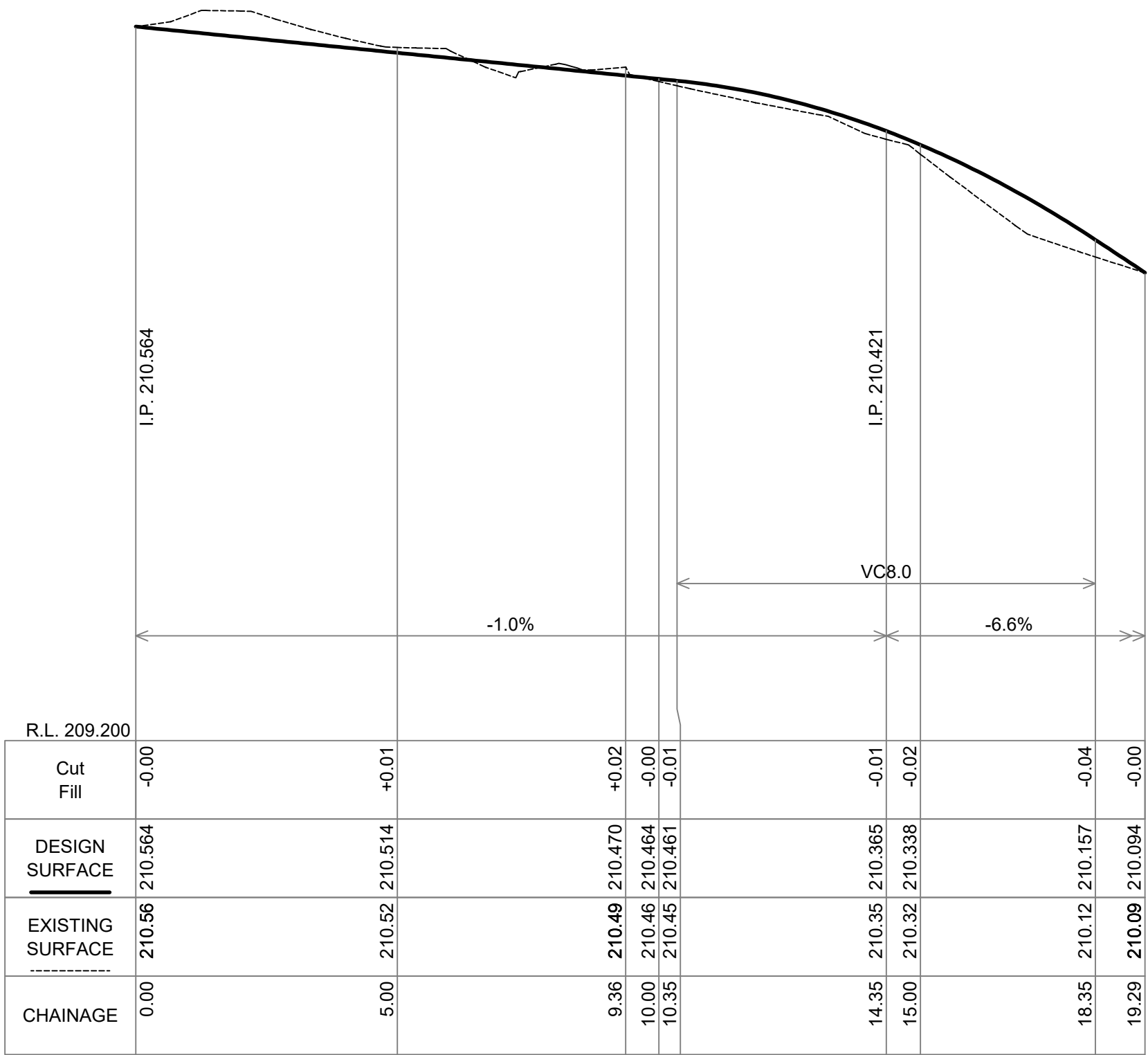
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Drawn: AS	Datum: A.H.D	
Checked: SW	Date: JANUARY 2022	
L.G.A: HORNSBY SHIRE COUNCIL		

Drawing Title:
CIVIL WORKS PLAN - MID DURAL ROAD

Issue: D	
Dwg No: 5959_RD05_D	
Our Ref: 5959	Sheet No: 6 / 9



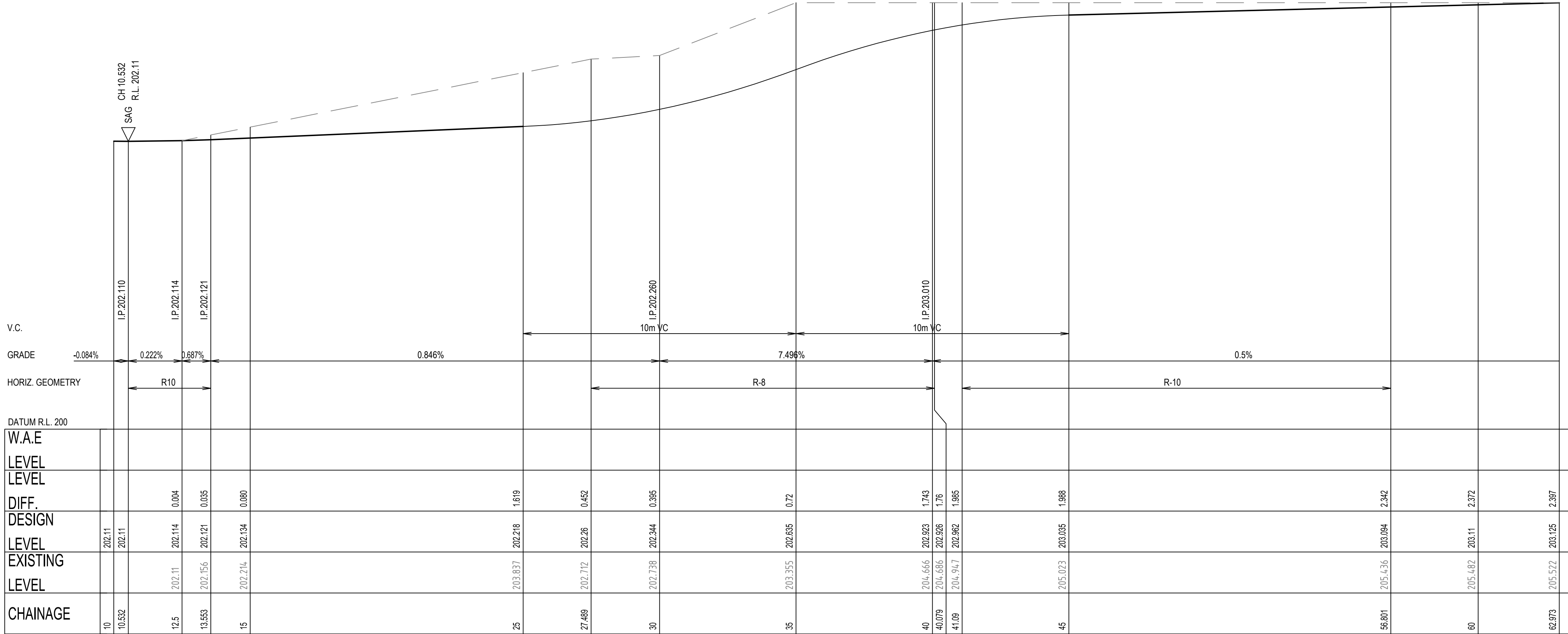
LONGITUDINAL SECTION
KERB RETURN SOUTH EXTENDED - CH 0.000 to CH 37.020
SCALE: HORIZONTAL 1:100 VERTICAL 1:10



LONGITUDINAL SECTION
KERB RETURN NORTH - CH 0.000 to CH 19.293
SCALE: HORIZONTAL 1:100 VERTICAL 1:10

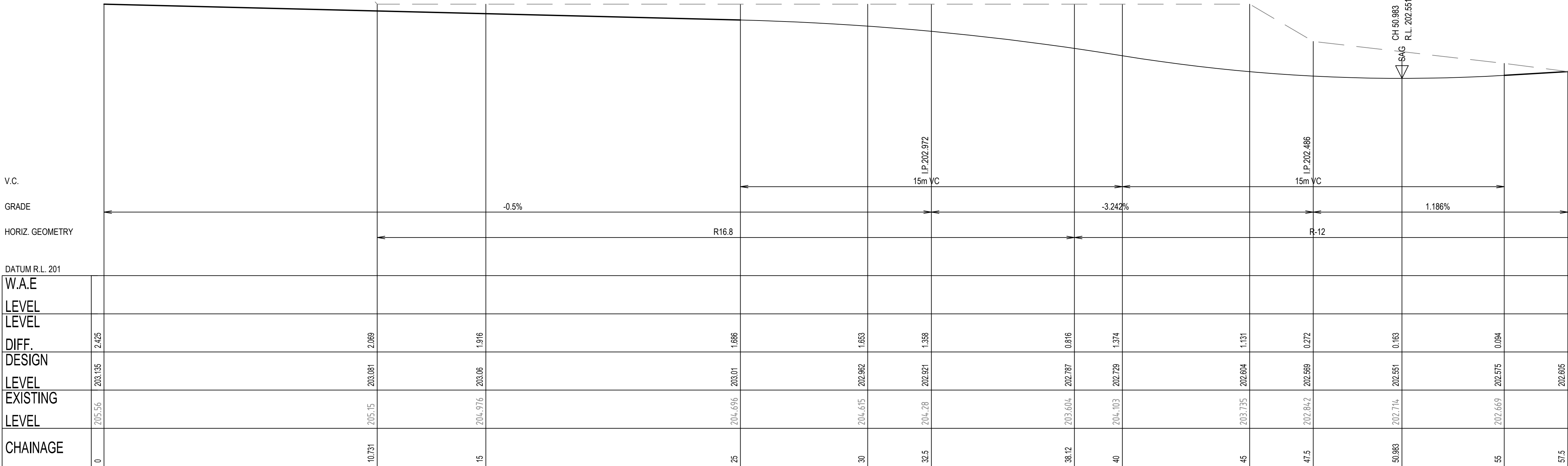


FOR DA APPROVAL



LONGITUDINAL SECTION - MC40 (CARRIAGEWAY EDGE) - KERB RETURN EAST

SCALE 1:100 (H)
SCALE 1:20 (V)



LONGITUDINAL SECTION - MC50 (CARRIAGEWAY EDGE) - KERB RETURN WEST

SCALE 1:100 (H)
SCALE 1:20 (V)



FOR DA APPROVAL

D	DA RFI RECEIVED 4.01.2022	18/01/22	SW	SW
C	DA RFI RECEIVED 10.11.2021	16/11/21	AH/AS	SW
B	TNSW COMMENTS RECEIVED 13.08.21	26/08/21	AS	SW
A	FIRST ISSUE	21/07/21	AS	SW
Issue	Description	Date	Drawn	Approved



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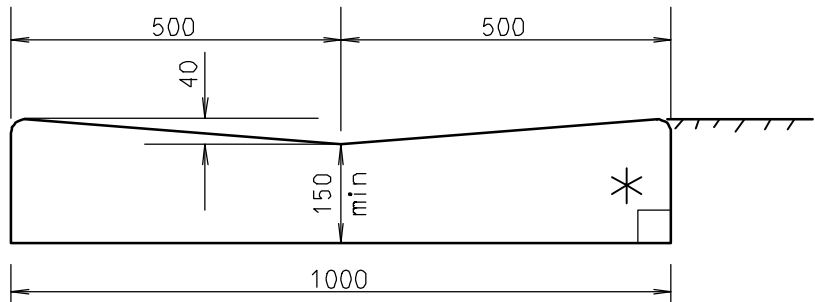
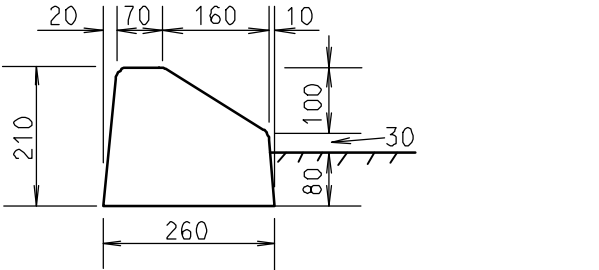
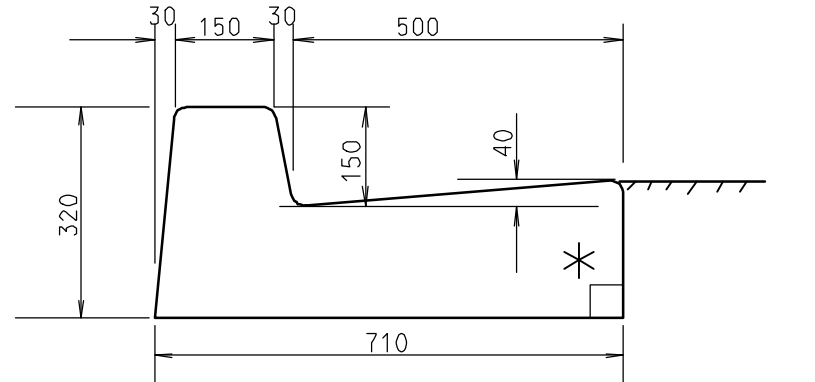
Client:
VIGOR MASTER PTY LTD
SUITE 201A
24 THOMAS STREET
CHATSWOOD NSW 2067

Project:
INTERSECTION DESIGN
392 GALSTON ROAD
GALSTON

Designed: AS	Scale: AS SHOWN	A1
Drawn: AS	Datum: A.H.D	
Checked: SW	Date: JANUARY 2022	
L.G.A: HORNSBY SHIRE COUNCIL		

Drawing Title:
LONGITUDINAL SECTION ALONG KERB
RETURNS FOR MID DURAL ROAD

Issue: D
Orig No: 5959_RD07_D
Our Ref: 5959
Sheet No: 8 / 9

TYPE	TYPICAL USE	VOLUME m ³ /m	PROFILE AND DIMENSIONS
SB	Dished crossing	Var. min. 0.170	
SF	Raised medians & traffic islands	0.043	
SA	Barrier kerb and gutter adjacent to footway	0.154	

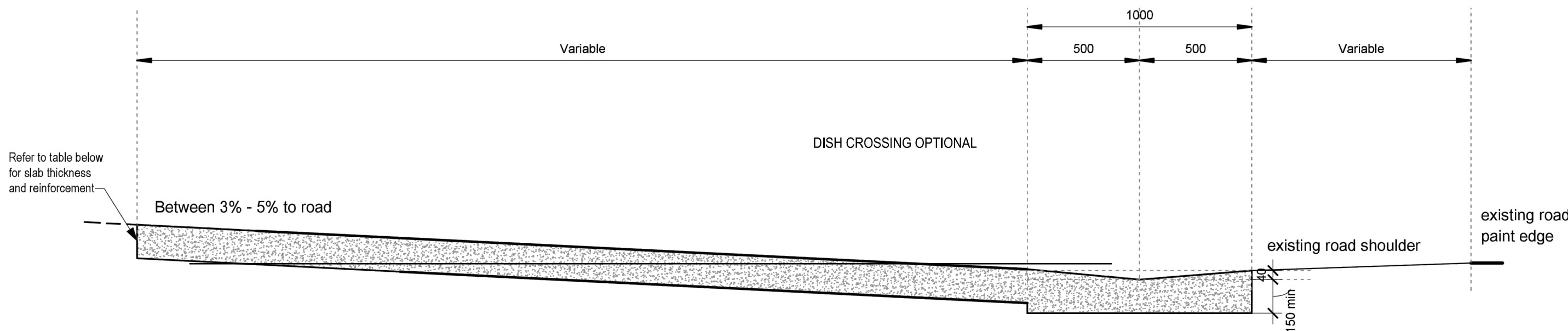
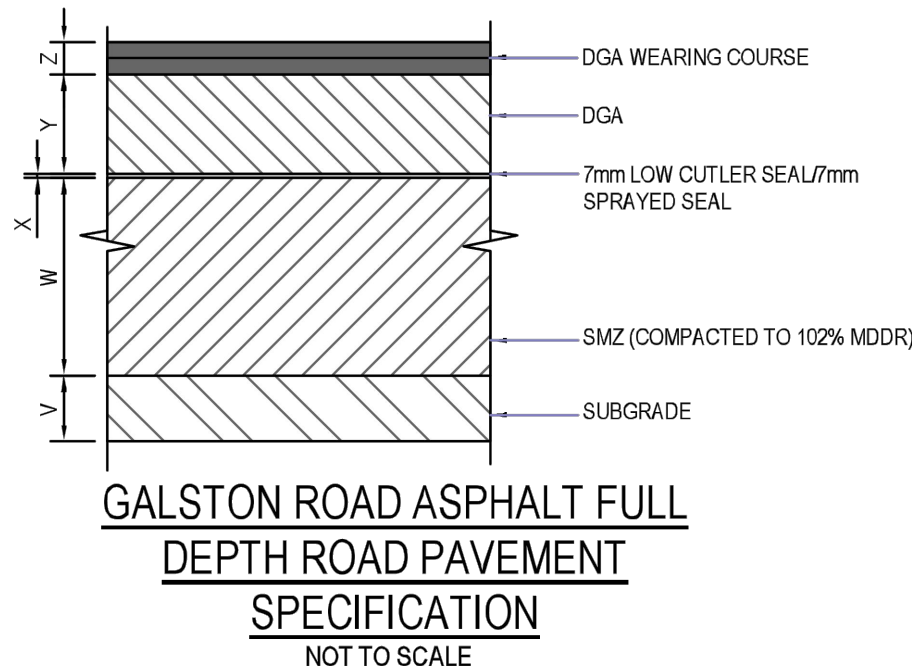
NOTE:

- All exposed edges, except type F, to be rounded to 20mm radius.
- Type F to be rounded to 25mm radius.

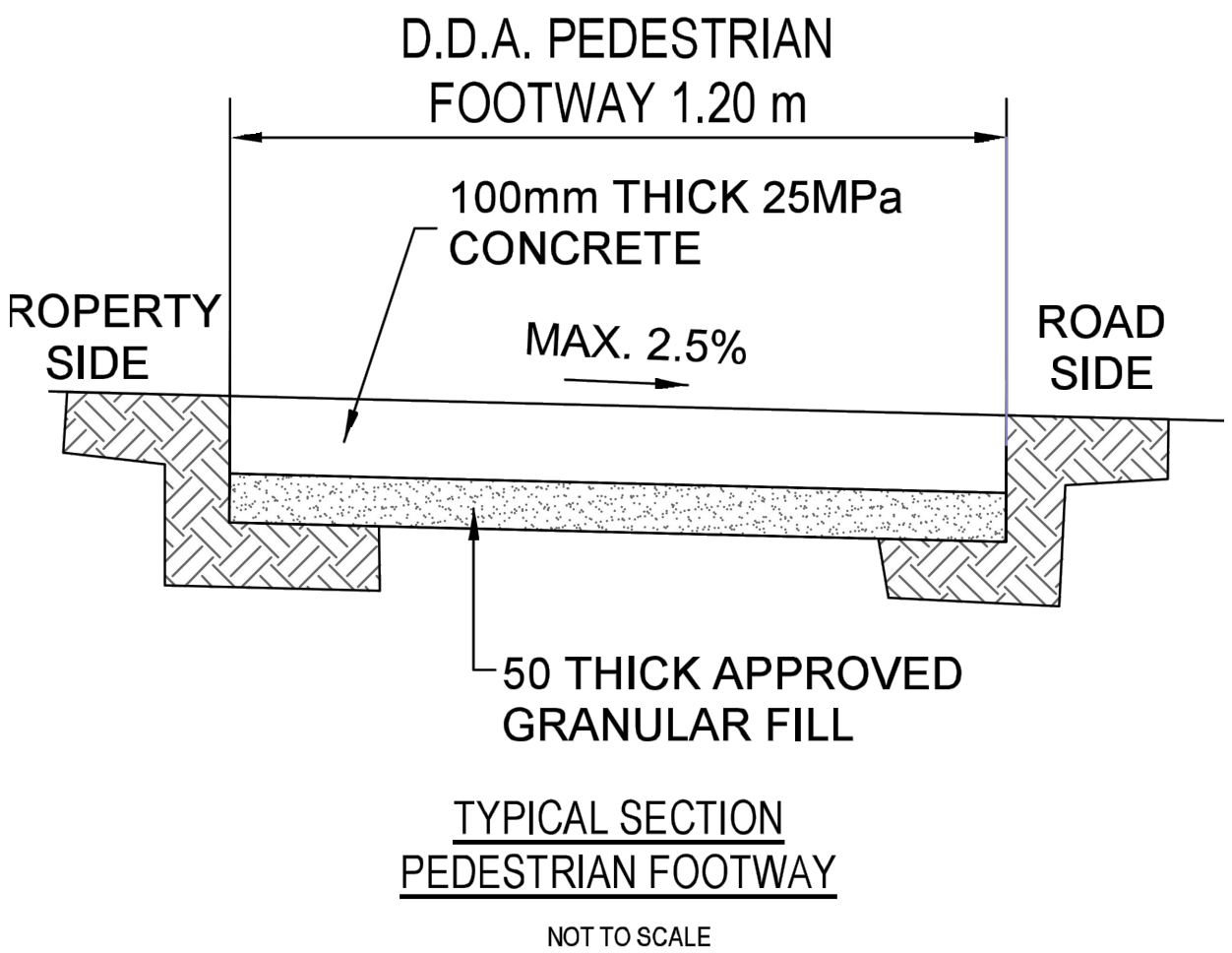
* Dotted line shows recess for sub-base layer where required

All dimensions are in millimeters unless otherwise shown.

RMS STANDARD KERB AND GUTTER SHAPES



DETAIL SECTION
Not to scale



DESIGN PARAMETERS

DESA (ESA) - 7.6×10^5
DSAR 5 (SAR 5) - 8.66×10^5
DSAR 7 (SAR 7) - 1.31×10^6
SUBGRADE DESIGN CBR (%) - 3

LAYER	MATERIAL NAME	THICKNESS (mm)	BINDER TYPE
Z	AC14	50	AR450 BITUMEN
Y	AC20	150	AR450 BITUMEN
X	LOW CUTTER SEAL	7	
W	SMZ	300	
V	SUBGRADE	3% CBR (MIN.)	

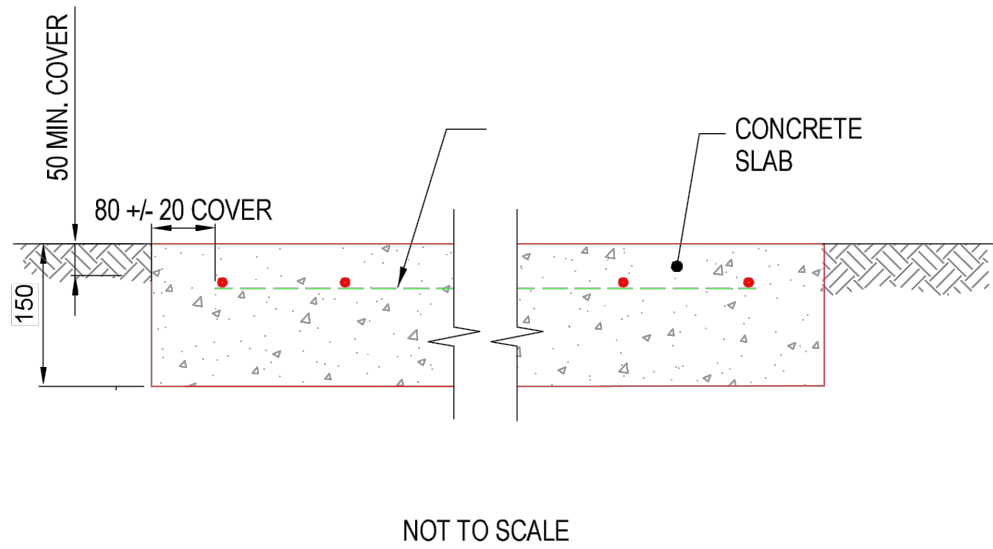
FLEXIBLE PAVEMENT NOTES:

- ALL EARTHWORKS INCLUDING SUBGRADE PREPARATION SHALL BE AS PER RMS SPECIFICATION R44
- THE PAVEMENT THICKNESS SHALL BE SUBJECT TO SUBGRADE TESTING BY REGISTERED NATA LABORATORY
- THE SMZ LAYER IS A STANDARD REQUIREMENT IN RMS PAVEMENTS AND SHOULD COMPLY TO THE RMS QA SPECIFICATION 3071

NOTES

According to Hornsby Council standard:

- All edges to be shaped with an edging tool. (25mm radius)
- Compressive strength of concrete to be greater than 20 MPa at 28 days.
- The road base course is to extend beneath the dished crossing.
- Mastic joints to be placed not more than 6m or less than 4m apart.
- All reinforcement is to have a minimum of 50mm cover.
- Dished crossing to be constructed in plain concrete only.
- All areas adjoining the crossing must be made safe and flush to edges on completion including area of any proposed AC.
- Nature strip is to be adjusted to new crossing. No grade to be greater than 1 in 8.



FOR DA APPROVAL

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B	TINSW COMMENTS RECEIVED 13.08.21	26/08/21	AS	SW
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SUITE 201A
24 THOMAS STREET
CHATSWOOD NSW 2067

Project:
INTERSECTION DESIGN
392 GALSTON ROAD
GALSTON

Designed: AS	Scale: N.T.S.	A1
Drawn: AS	Datum: A.H.D	
Checked: SW	Date: JANUARY 2022	
L.G.A: HORNSBY SHIRE COUNCIL		

Drawing Title:
STANDARD DETAILS

Issue: D
Drw No. 5959_RD08_D
Our Ref: 5959
Sheet No. 9 / 9

0mm

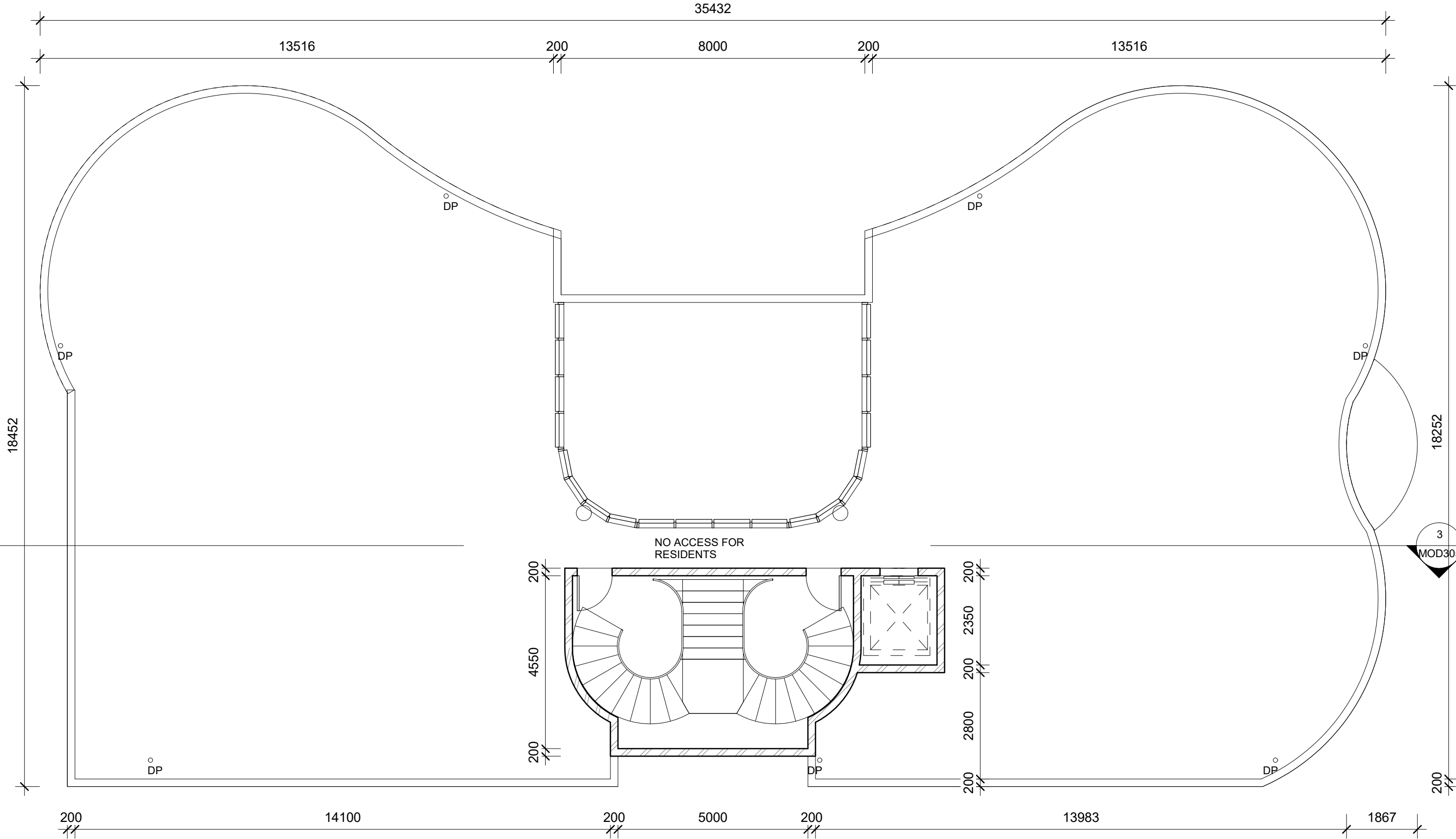
100mm

200mm

300mm

100mm

200mm



Notes:
Dowpipes in accordance with AS3500.3, to connect to approved system.

Date	Rev	Amendment
May 2021	1	Issue for Modification

Project:
RETIREMENT VILLAGE

MOD
392 Galston Rd, Galston NSW 2159



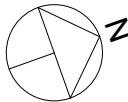
Vigor Master Pty Ltd
Suite 201A, 24 Thomas St,
Chatswood NSW 2067
Tel. 02 9411 3998
Fax. 02 9413 3983
Email. info@vigormaster.com.au

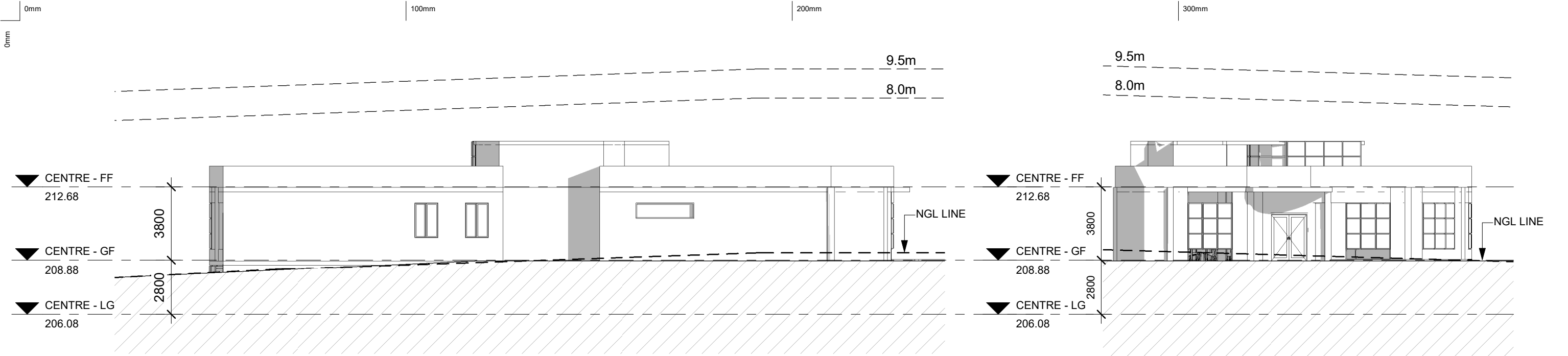
Drawn by: RT
Checked by: MW

Title: **COMMUNITY CENTRE ROOF PLAN**

Job NO.: M392RV
Date: 28.08.2021

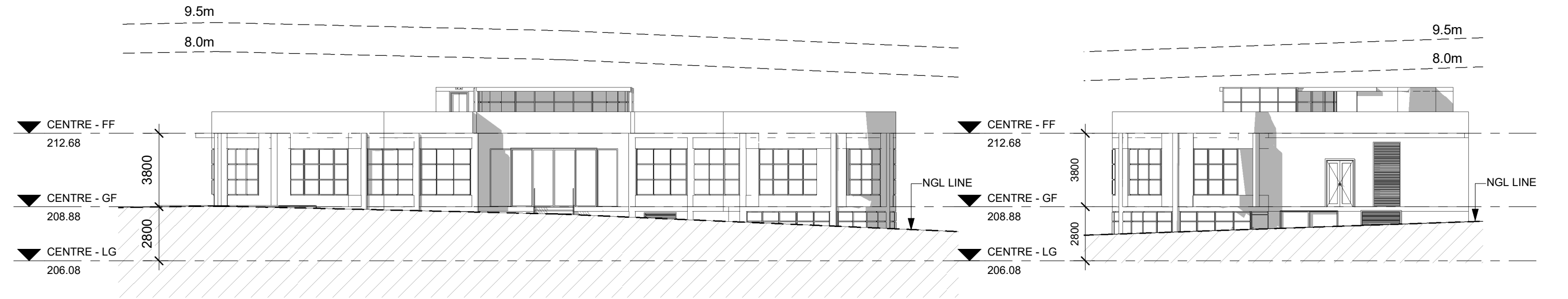
Scale @ A1:
Scale @ A3: 1 : 100
Drawing NO.: MOD303 Rev: 1





1 COMMUNITY CENTRE EAST ELEVATION
1 : 200

3 COMMUNITY CENTRE NORTH ELEVATION
1 : 200



2 COMMUNITY CENTRE WEST ELEVATION
1 : 200

4 COMMUNITY CENTRE SOUTH ELEVATION
1 : 200

Notes:
Dowpipes in accordance with AS3500.3, to connect to approved system.

Date	Rev	Amendment
May 2021	1	Issue for Modification

Project:
RETIREMENT VILLAGE
MOD
392 Galston Rd, Galston NSW 2159



Vigor Master Pty Ltd
Suite 201A, 24 Thomas St,
Chatswood NSW 2067
Tel. 02 9411 3998
Fax. 02 9413 3983
Email. info@vigormaster.com.au

Drawn by: RT
Checked by: MW
Title: COMMUNITY CENTRE ELEVATIONS
Job NO.: M392RV
Date: 28.08.2021
Scale @ A1:
Scale @ A3: 1 : 200
Drawing NO.: MOD304
Rev: 1

0mm

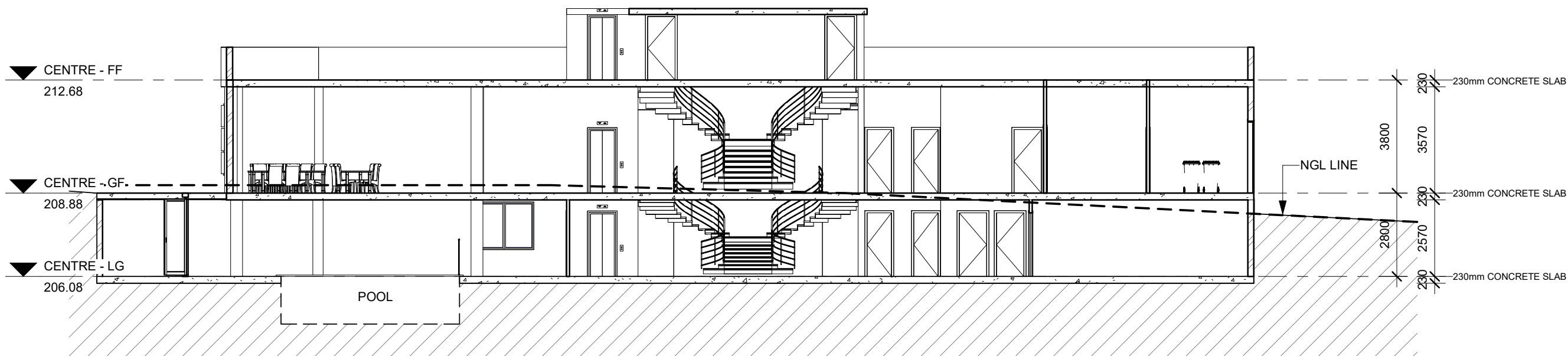
100mm

200mm

300mm

100mm

200mm



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Date	Rev	Amendment
May 2021	1	Issue for Modification

Project:
RETIREMENT VILLAGE
MOD
392 Galston Rd, Galston NSW 2159



Vigor Master Pty Ltd

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Chatswood NSW 2067

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Fax. 02 9413 3983
Email. info@vigormaster.com.au

Drawn by: RT
Checked by: MW

Title: **COMMUNITY CENTRE SECTION & POOL
DETAIL**

Job NO.: M392RV

Date: 28.08.2021

Scale @ A1:
Scale @ A3: 1 : 150

Drawing NO.: MOD305 Rev: 1