

CIVIL WORKS DRAWINGS FOR PROPOSED NEW DUAL OCCUPANCY



DRAWING LIST	
DRAWING NUMBER	DRAWING NAME
C00	COVER SHEET, LOCALITY PLAN & DRAWING SCHEDULE
C01	CIVIL WORKS LAYOUT PLAN
C02	DRIVEWAY DETAILS
C05	DRIVEWAY LONGITUDINAL SECTIONS SHEET 1
C06	DRIVEWAY LONGITUDINAL SECTIONS SHEET 2
C10	TYPICAL DETAILS

GENERAL NOTES.

- 1. GUTTER CROSSING AND KERB WORKS, DRIVEWAY AND FOOTPATH WORKS TO BE DONE IN ACCORDANCE WITH NORTHERN BEACHES COUNCIL ENGINEERING SPECIFICATIONS UNLESS OTHERWISE NOTED.
- 2. ALL EROSION AND SEDIMENTATION CONTROL MEASURES ARE TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL'S CODE OF PRACTICE FOR EROSION AND SEDIMENTATION, AND MUST BE IMPLEMENTED PRIOR TO THE COMMENCEMENT OF ANY BUILDING OF CIVIL WORKS. THE DEVELOPER IS RESPONSIBLE FOR ONGOING MAINTENANCE OF EROSION AND SILTATION CONTROL MEASURES.
- 3. ALL PUBLIC UTILITIES ARE TO BE CLEARLY IDENTIFIED IN THE FIELD PRIOR TO ANY CIVIL WORKS. COUNCIL ACCEPTS NO RESPONSIBILITY FOR DAMAGE OR RELOCATION COSTS TO UTILITIES DURING CONSTRUCTION.
- 4. NORTHERN BEACHES COUNCIL IS TO BE NOTIFIED PRIOR TO THE COMMENCEMENT OF ANY WORKS.
- 5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL WORKS ARE CARRIED OUT IN ACCORDANCE WITH THE WHS ACT 2011.
- 6. PERMISSION TO ENTER, CONSTRUCT WORKS AND DISCHARGE STORMWATER ONTO ADJOINING PROPERTIES IS TO BE OBTAINED AND SUBMITTED TO COUNCIL PRIOR TO COMMENCEMENT OF ANY WORKS.
- 7. ALL RECTIFICATION WORK ARISING FROM INSUFFICIENT INFORMATION BEING SHOWN ON THE SUBMITTED PLANS IS TO BE CARRIED OUT TO THE ENGINEER'S SATISFACTION.
- 8. ALL THE DISTURBED AREAS TO BE SHAPED AND TURFED, SHALL BE 75mm TOP SOIL OF APPROVED LOAM & TURFED.
- 9. RETAINED TREES TO BE FENCED WITH A 1.8m HIGH CHAINWIRE LINK FENCE FULLY SUPPORTED AT GRADE TO MINIMISE THE DISTURBANCE TO EXIST. GROUND CONDITIONS WITHIN THE CANOPY DRIP LINE. 'TREE PROTECTION ZONE' SIGNAGE TO BE ATTACHED TO PROTECTIVE FENCING.
- 10. A VEHICLE CROSSING APPLICATION SHALL BE SUBMITTED TO AND APPROVED BY COUNCIL PRIOR TO COMMENCEMENT OF WORK.
- 11. A ROAD-OPENING PERMIT SHALL BE OBTAINED FOR WORKS IN THE ROAD RESERVE PRIOR TO COMMENCEMENT OF WORK IN THE ROAD RESERVE.
- 12. ALL SERVICES (INCLUDING PITS & LIDS) SHALL BE ADJUSTED TO SUIT DESIGN FOOTPATH LEVELS. ALL SERVICES LIDS ON THE FOOTPATH PAVEMENT TO BE REPLACED WITH INFILL PAVER TYPE TO MATCH PROPOSED PAVEMENT FINISH



Project Number
250091

Address
54 GARDERE AVENUE,
CURL CURL NSW 2096

Sheet Number
C00

Revision
A



SUIT 2.04, L2, BLDG 3,
35-41 WATERLOO RD., MACQUARIE PARK, NSW 2113
info@smartstruts.com.au | T: (02) 9052 6467

CLIENT
MR & MRS BRYDEN

ARCHITECT
ALEX BRYDEN
ARCHITECTURE

Address
**54 GARDERE AVENUE,
CURL CURL NSW 2096**

Start Date: **APRIL 2025**
Project No. **250091**

Client:
MR & MRS BRYDEN
Architect:
ALEX BRYDEN ARCHITECTURE

Approved by: **K.E.**

Internal Revisions:			
Rev. #	Drafter	Engineer	Date
		Revision Description	
A	J.E.	K.E. ISSUE FOR D.A.	16.04.25

Notes

1. Drawings to be read in conjunction with architectural drawings.
2. Refer to architectural drawings for all setout, levels.
3. Do not scale any dimensions
4. Drawings to be read & printed in colour.

**PRELIMINARY
NOT FOR CONSTRUCTION**

Project North



Scale @ A1: **AS SHOWN**

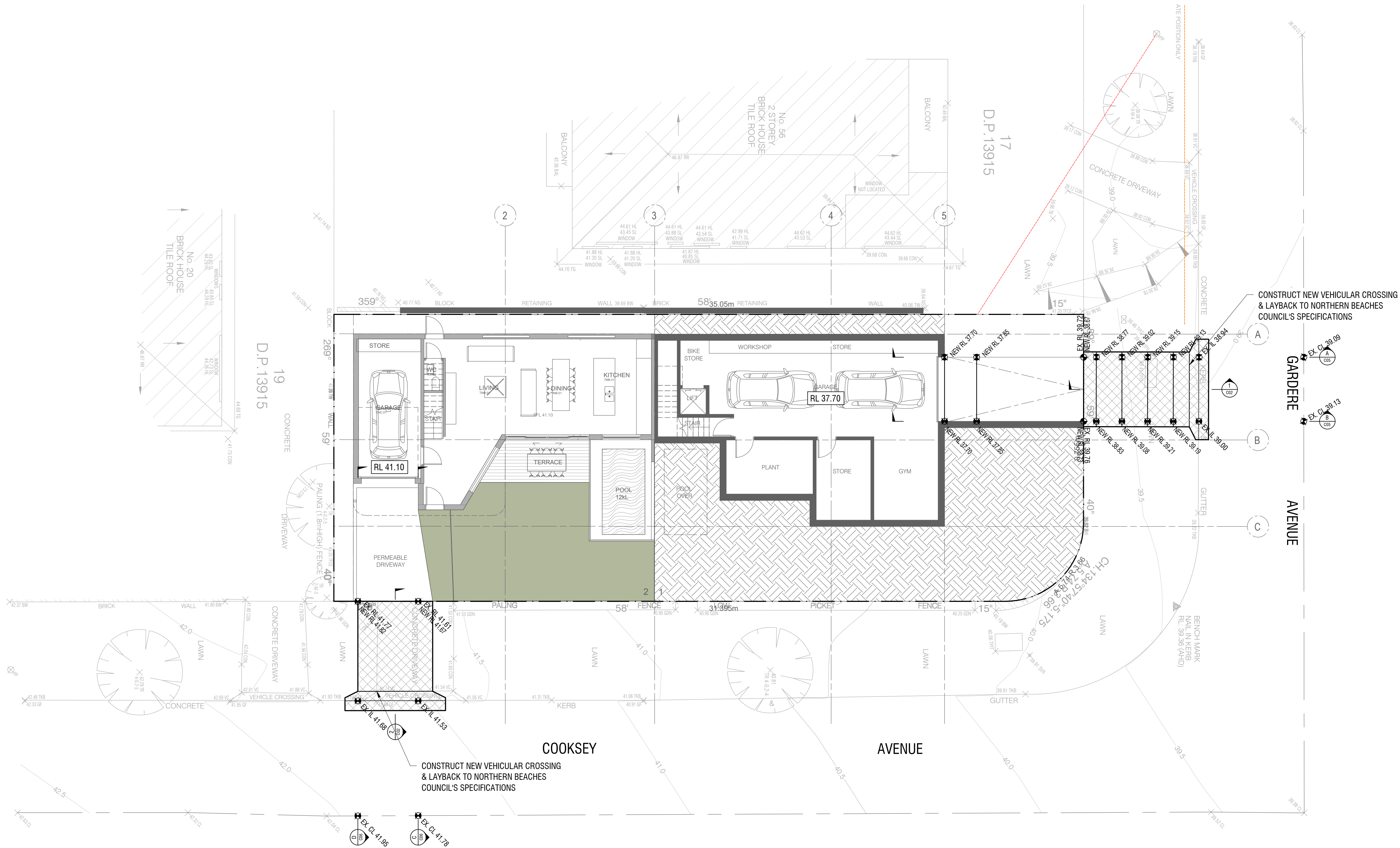
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**CIVIL WORKS
LAYOUT PLAN**

Sheet Number:

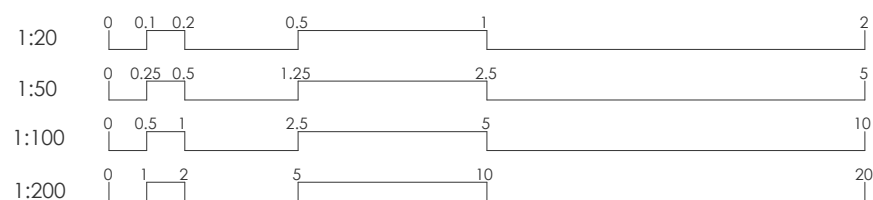
C01

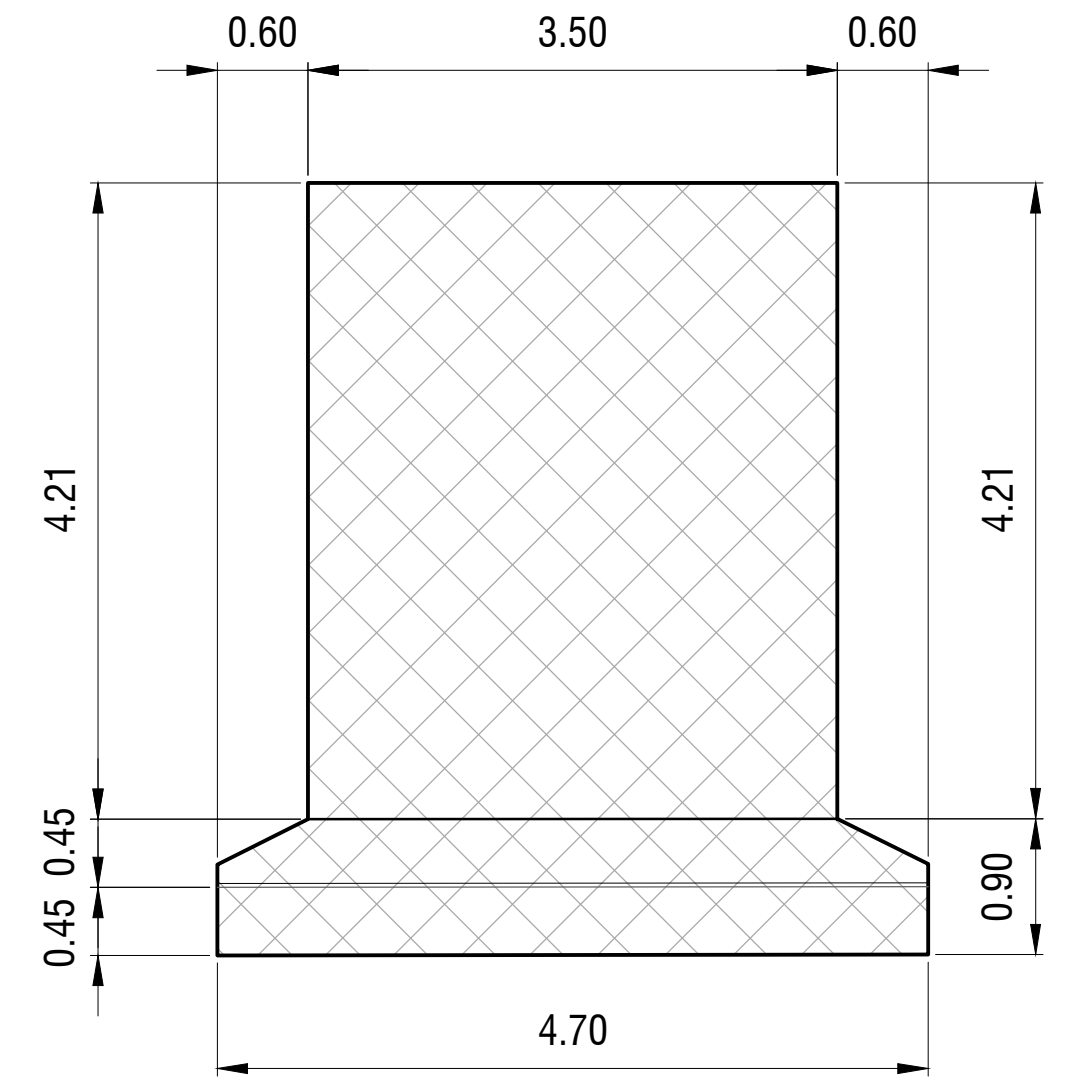
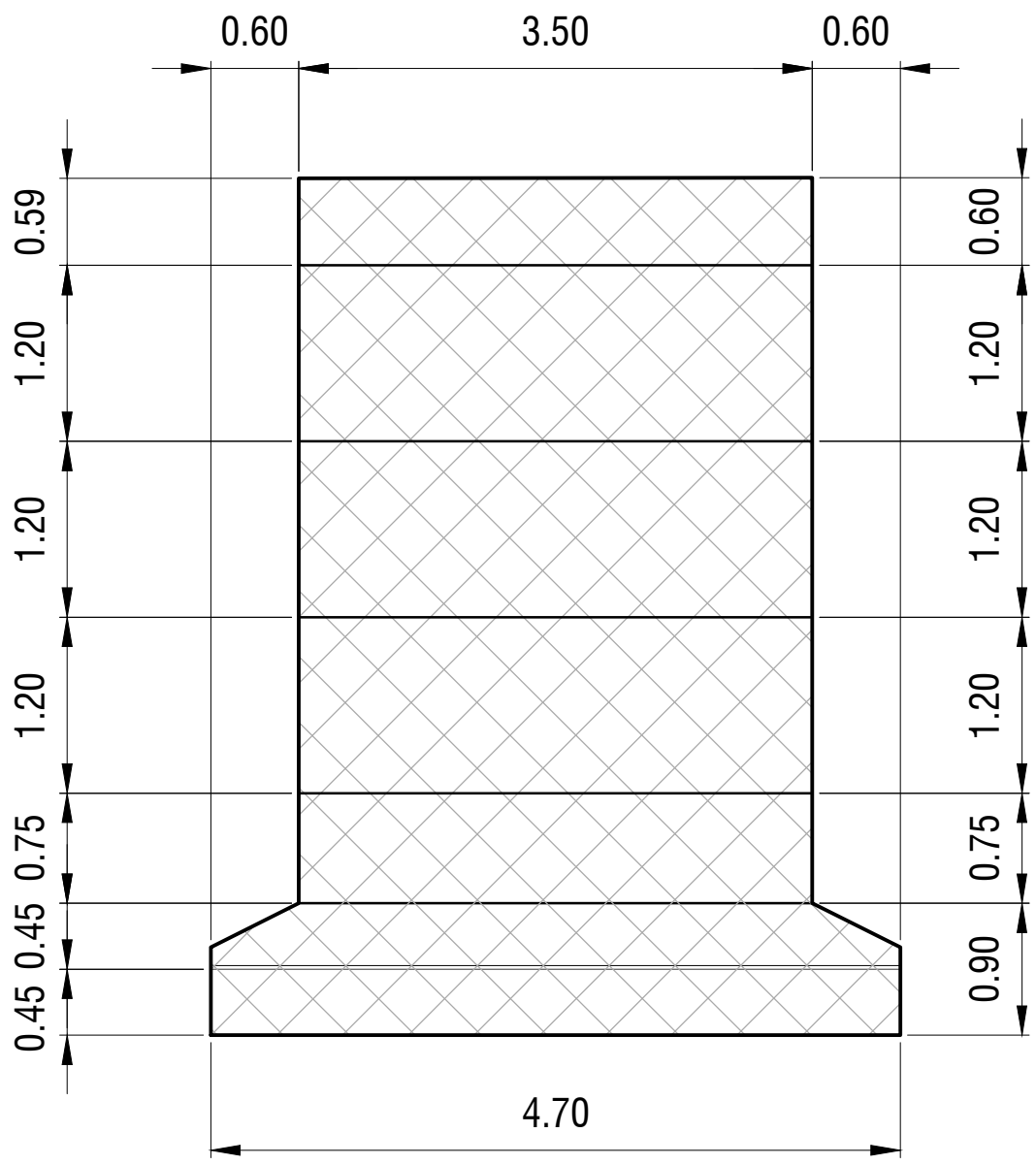
Revision:

A

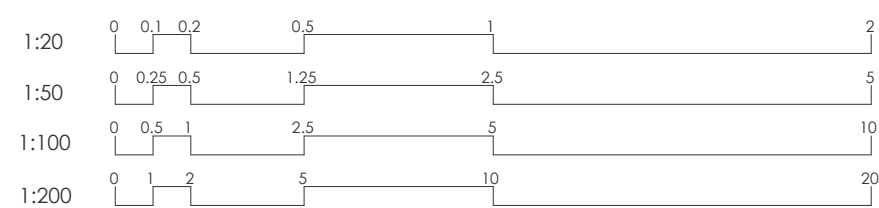
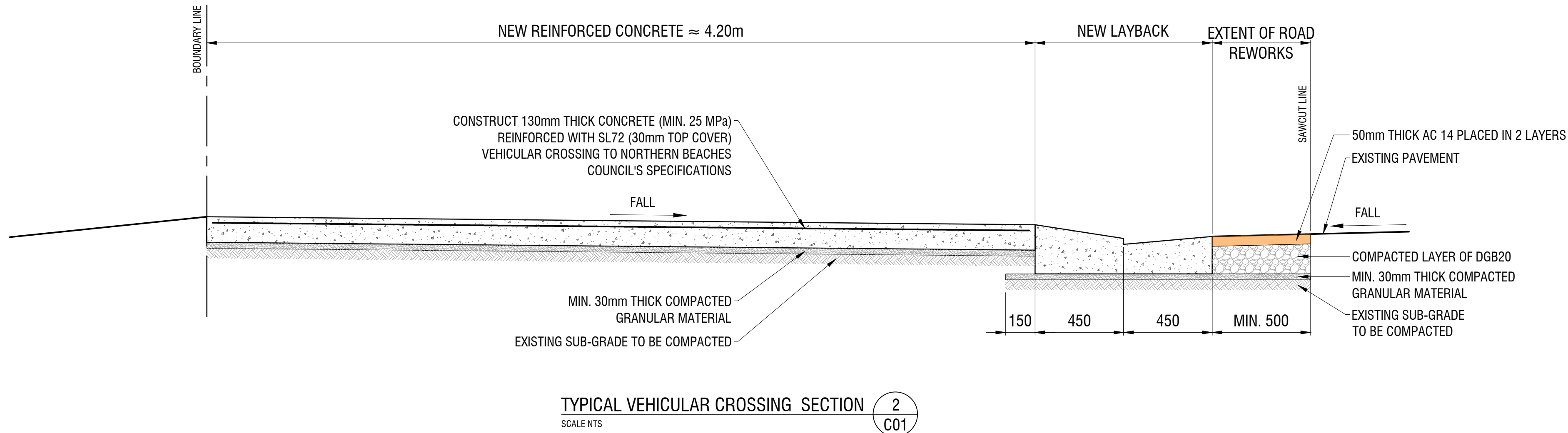
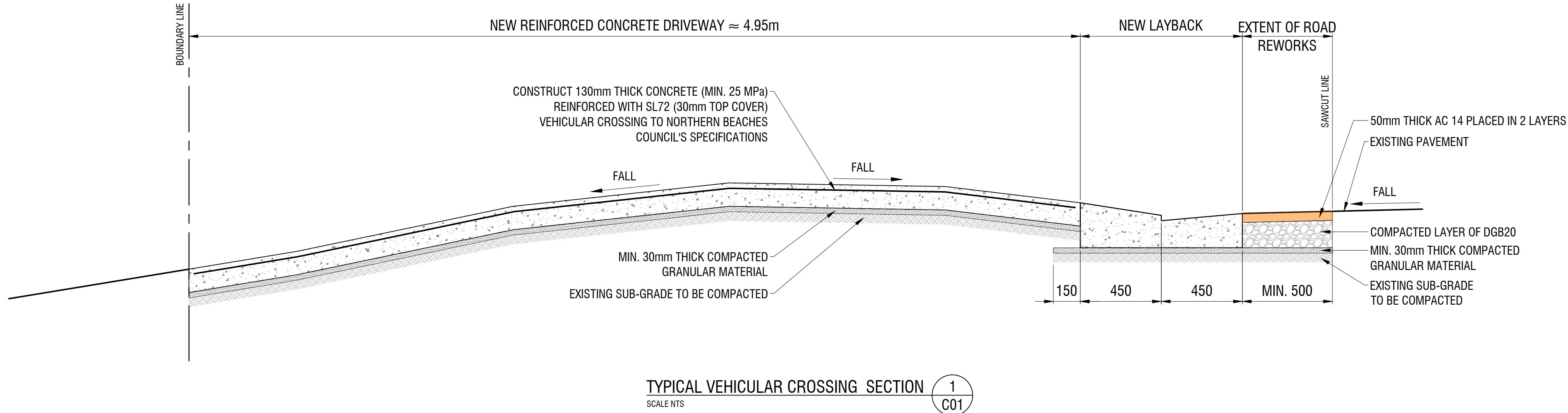


CIVIL WORKS LAYOUT PLAN
SCALE 1:100

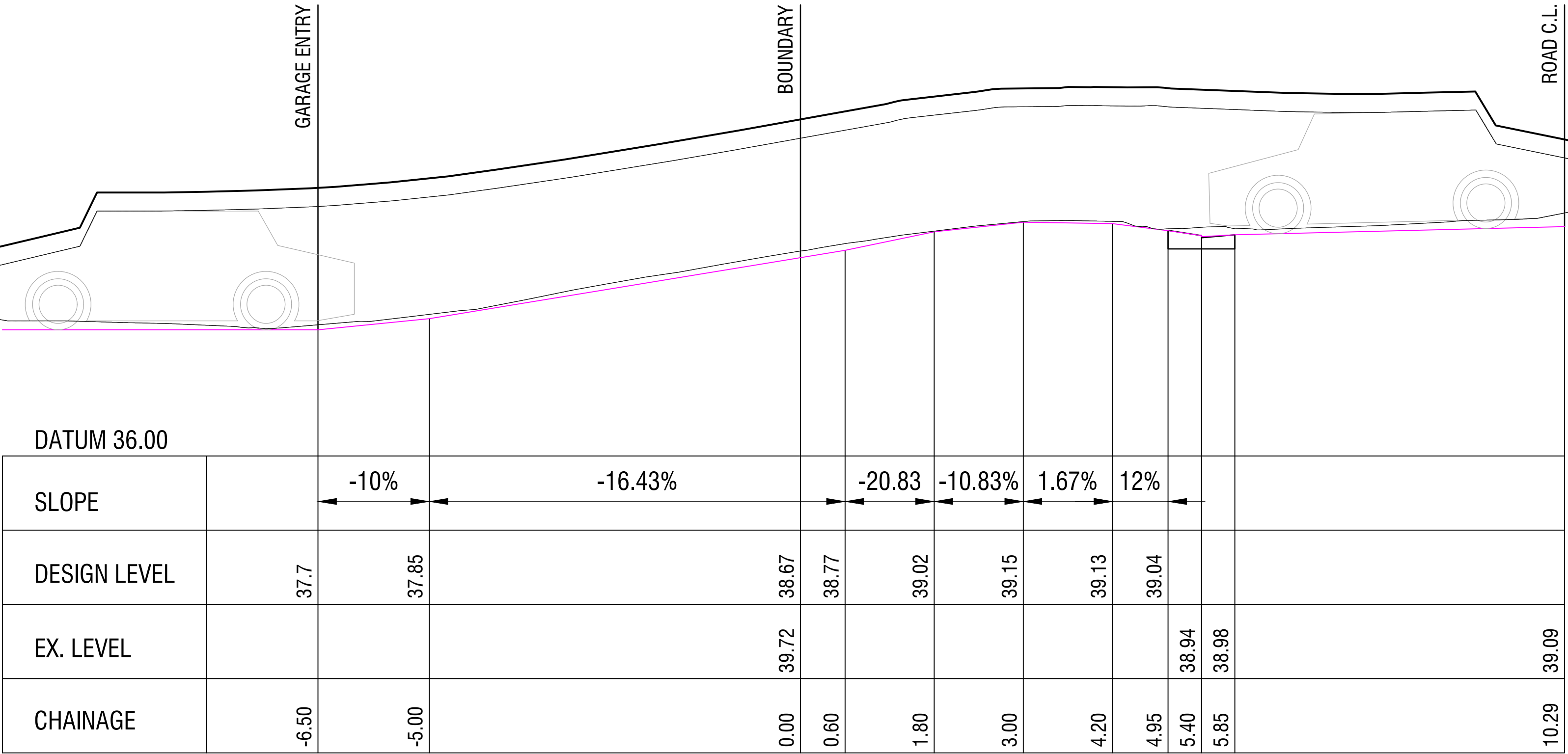




DRIVEWAY INSET PLAN
SCALE 1:50



B85
STANDARDS 2004 (AU_NZ)

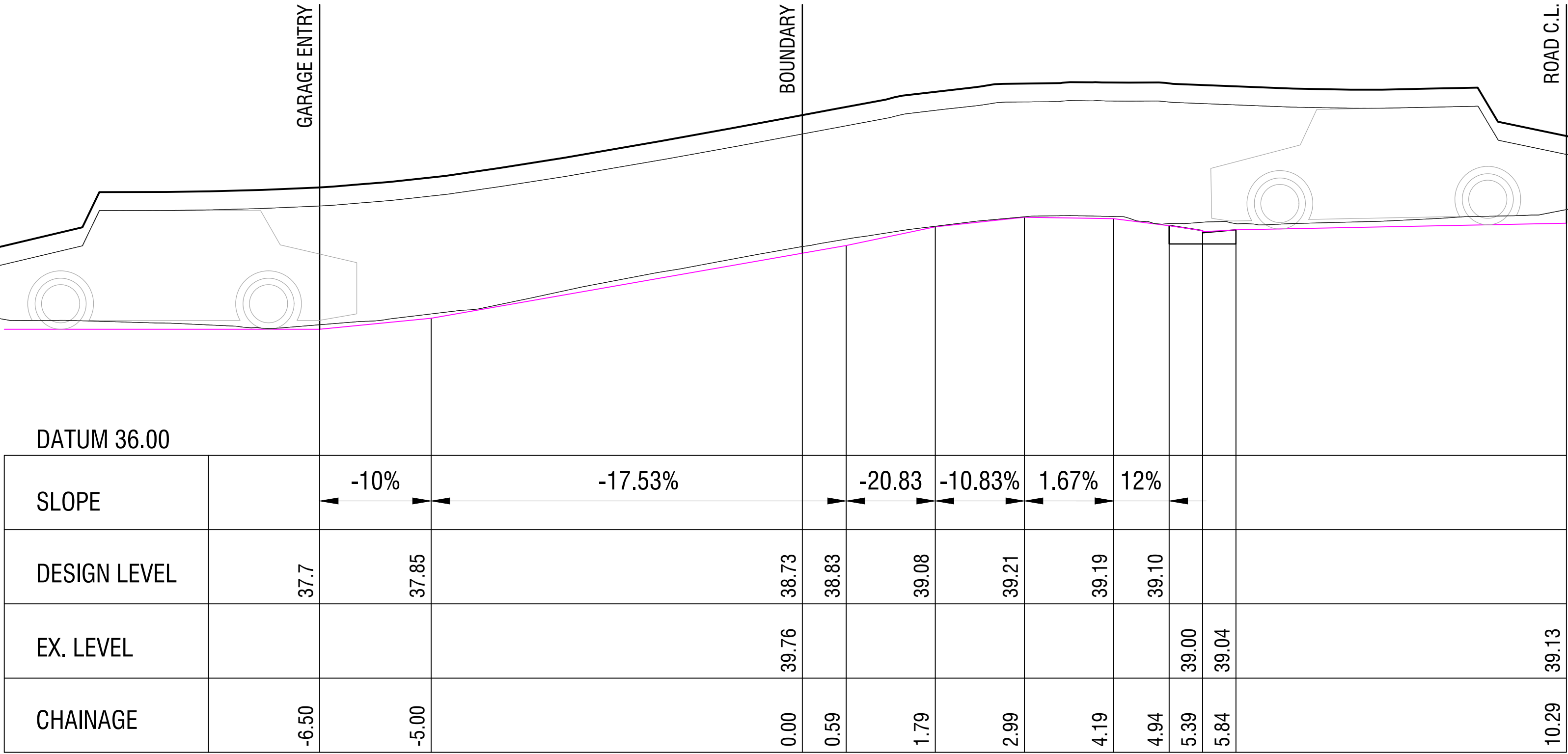


DRIVEWAY LONGITUDINAL SECTION - A
SCALE 1:50

B85
STANDARDS 2004 (AU_NZ)

Ground Clearance (units: m)
Part # Front Wheelbase
#1 0.12 0.12

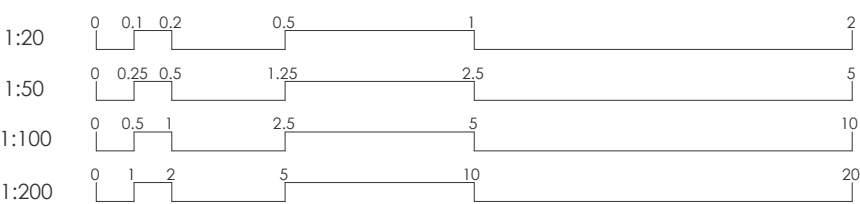
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STANDARDS 2004 (AU_NZ)



DRIVEWAY LONGITUDINAL SECTION - B
SCALE 1:50

B85
STANDARDS 2004 (AU_NZ)

Ground Clearance (units: m)
Part # Front Wheelbase
#1 0.12 0.12



Address

54 GARDERE AVENUE,
CURL CURL NSW 2096

Start Date:APRIL 2025

Project No.250091

Client:
MR & MRS BRYDEN

Architect:
ALEX BRYDEN ARCHITECTURE

Approved by: K.E.

Internal Revisions:

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PRELIMINARY
NOT FOR CONSTRUCTION

Project North

Scale @ A1:AS SHOWN

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DRIVEWAY LONGITUDINAL
SECTIONS SHEET 2

Sheet Number:

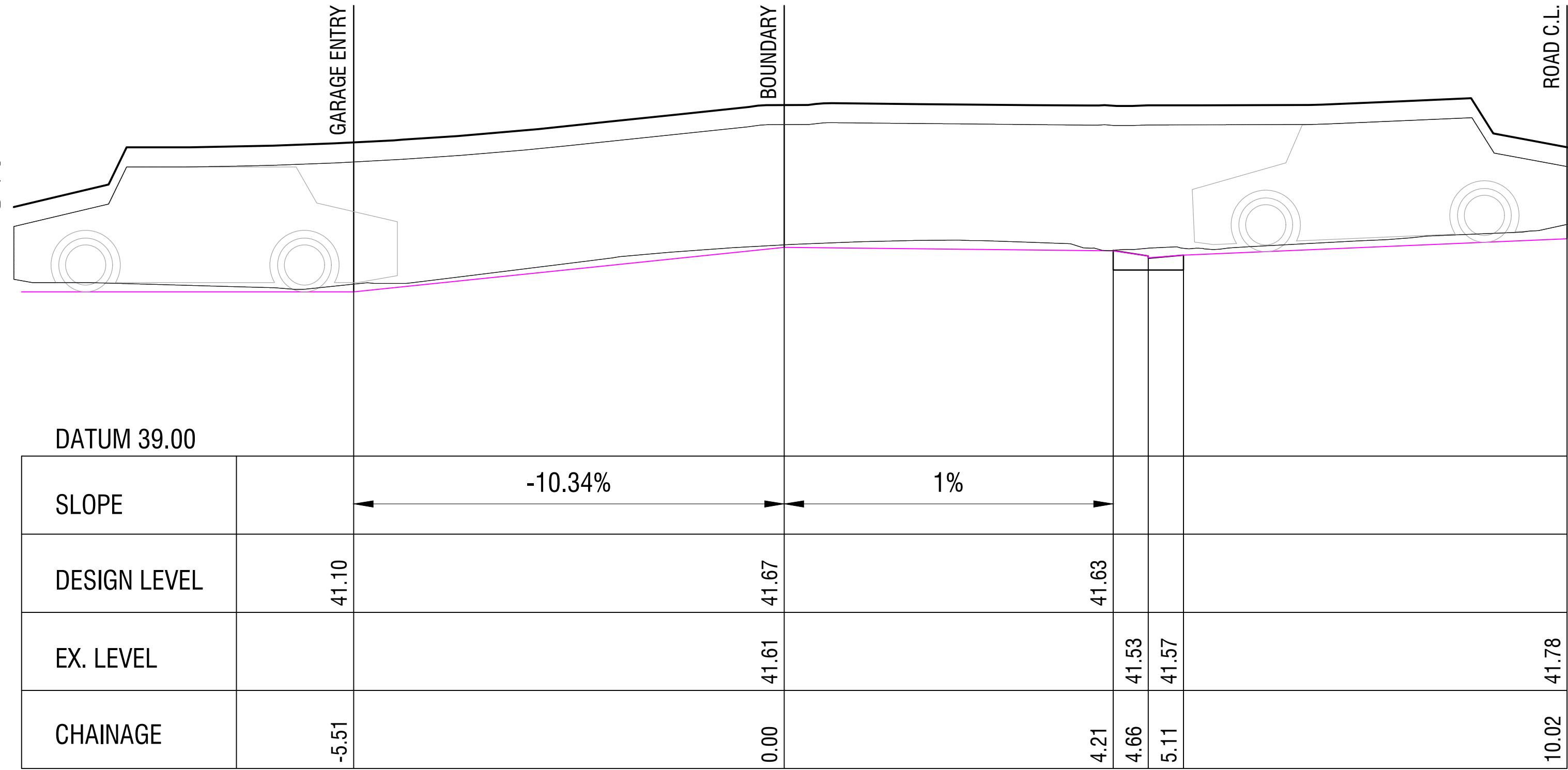
Revision:

C06

A

B85

STANDARDS 2004 (AU_NZ)



DRIVEWAY LONGITUDINAL SECTION - C

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B85

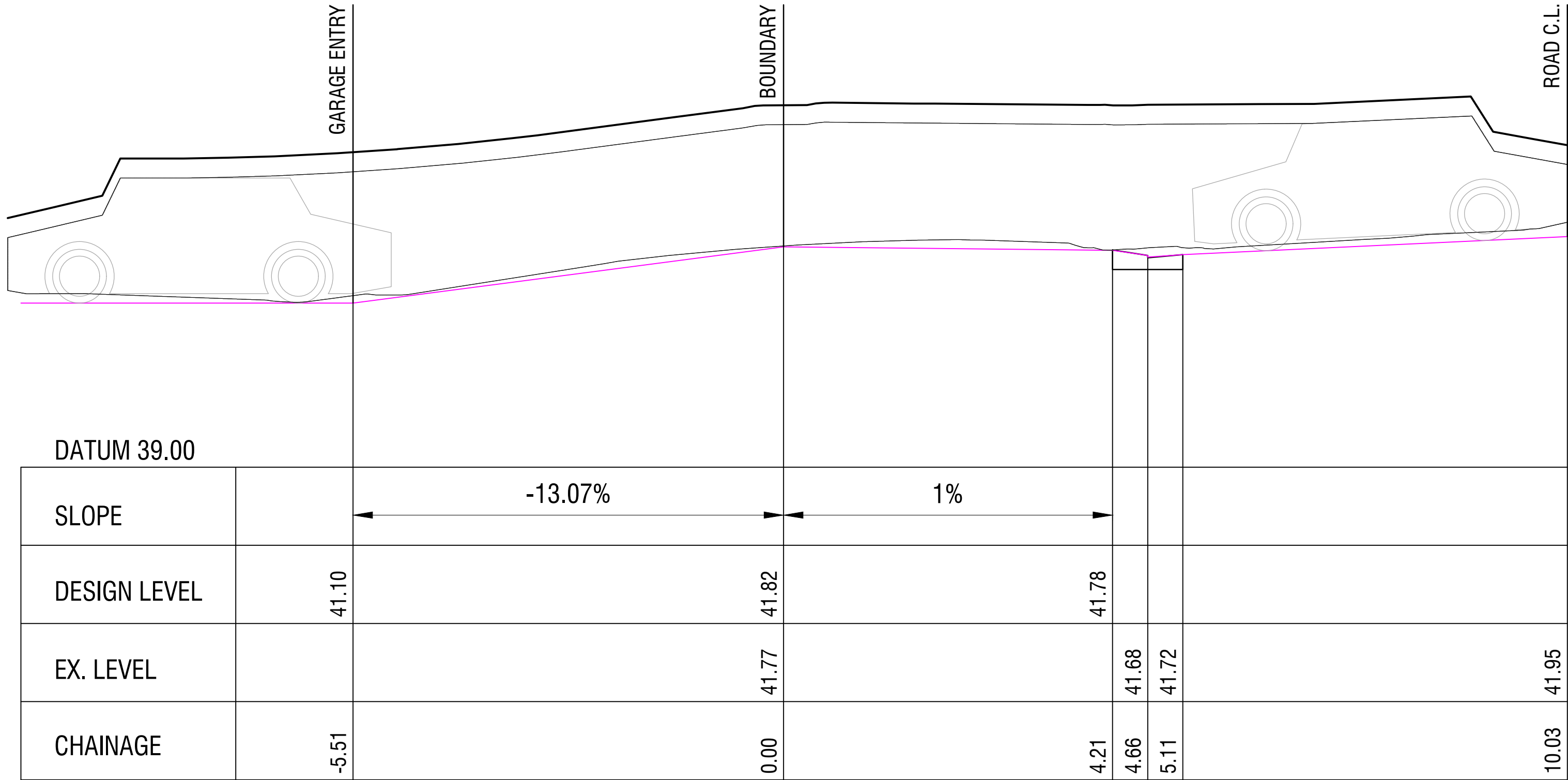
STANDARDS 2004 (AU_NZ)

Ground Clearance (units: m)

Part #	Front	Wheelbase	Rear
#1	0.12	0.12	0.12

B85

STANDARDS 2004 (AU_NZ)



DRIVEWAY LONGITUDINAL SECTION - D

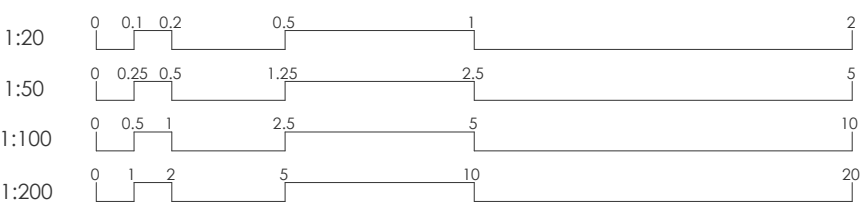
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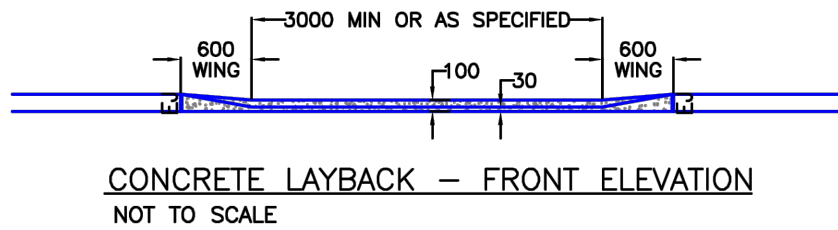
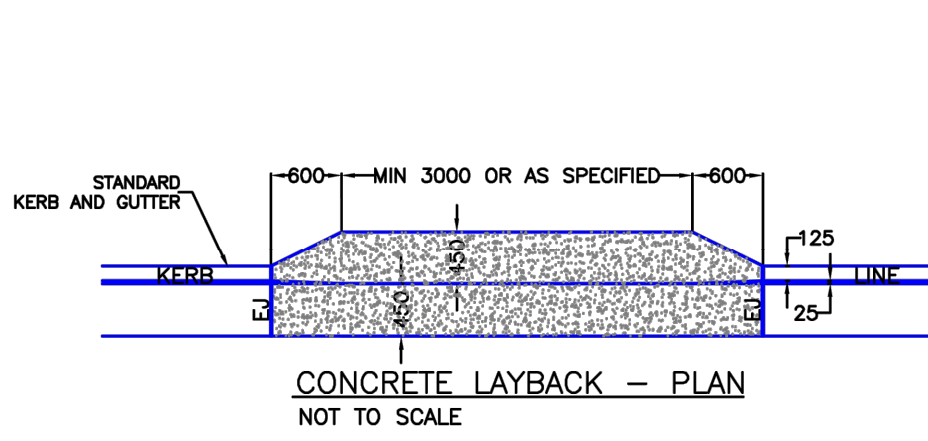
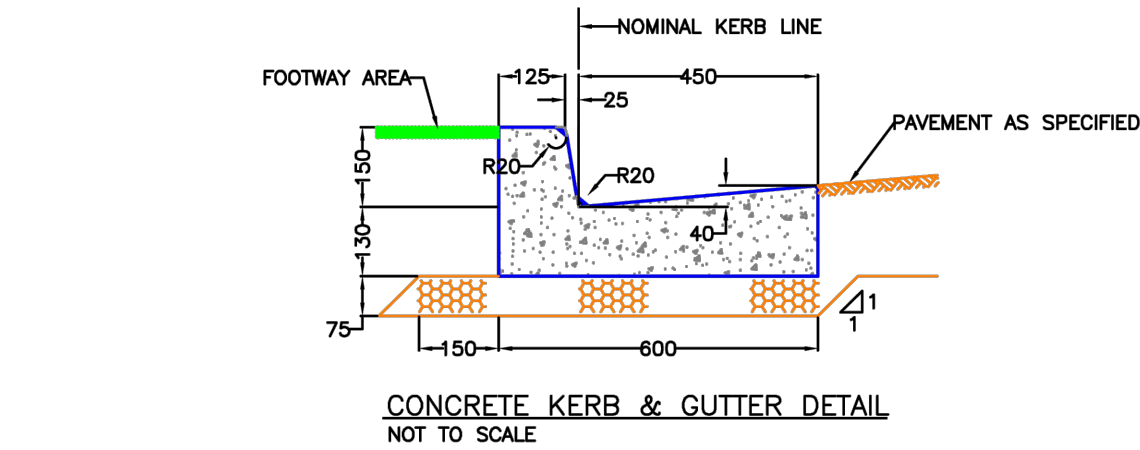
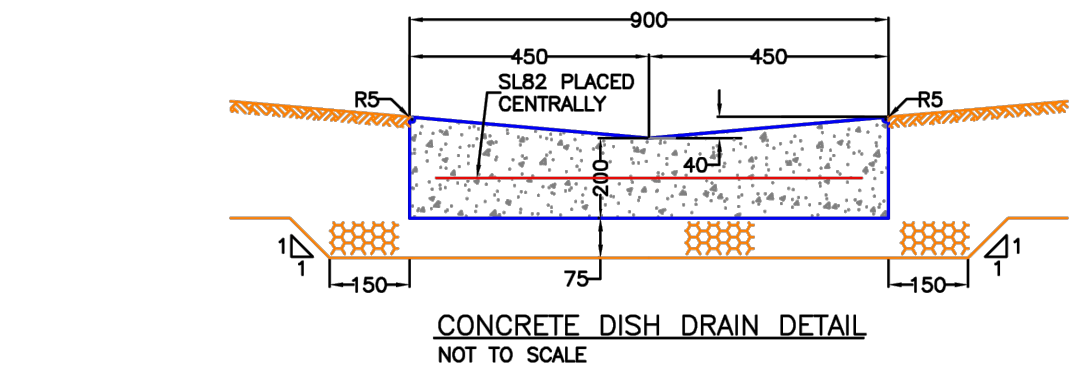
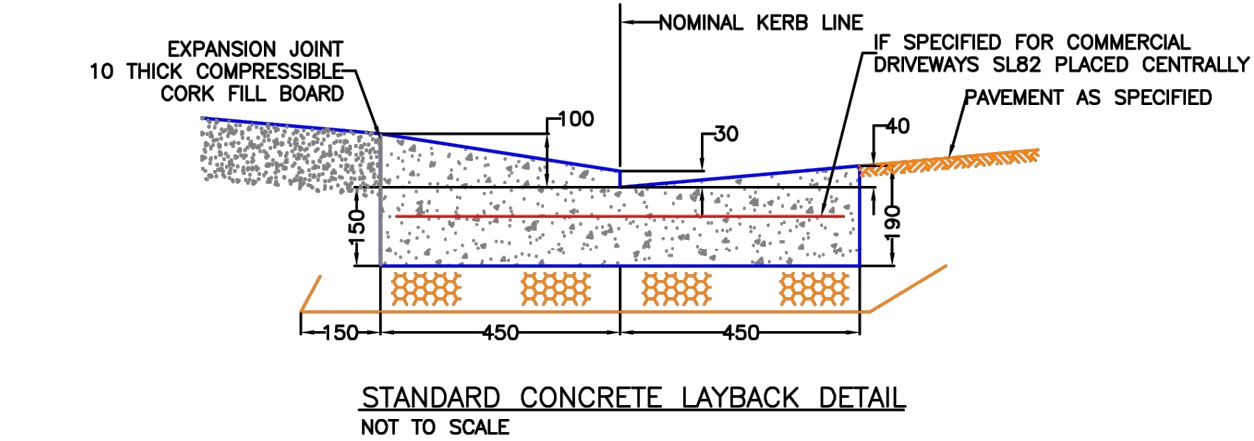
B85

STANDARDS 2004 (AU_NZ)

Ground Clearance (units: m)

Part #	Front	Wheelbase	Rear
#1	0.12	0.12	0.12





STANDARD KERB AND GUTTER NOTES

- KERB AND GUTTER, CONCRETE EDGING, DISH DRAINS AND THE LIKE SHALL BE POURED IN PLAIN CONCRETE AND FINISHED WITH A STEEL TROWEL.
- THE MINIMUM COMPRESSIVE STRENGTH SHALL BE 25MPa AT 28 DAYS.
- FOR ELEMENTS CONSTRUCTED USING SLIPFORM, REINFORCEMENT WILL NOT BE REQUIRED PROVIDED THAT THE CONCRETE COMPRESSIVE STRENGTH IS NOT LESS THAN 32MPa AT 28 DAYS.
- WHERE COUNCIL OR ITS REPRESENTATIVE DIRECTS THAT THE GUTTER IS TO BE RETAINED, THE CONTRACTOR SHALL PLACE A 75mm DEEP SAW CUT IN THE GUTTER INVERT AND REMOVE THE KERB AND OR LAYBACK.
- WHERE EXISTING KERB AND ASSOCIATED ELEMENT IS TO BE REPLACED SAW CUT IN THE ASPHALT MINIMUM 500mm FROM LIP OF GUTTER, COMPACT SUBGRADE AND INSTALL ASPHALT STRIP TO MAKE SMOOTH TRANSITION.
- THE CONSTRUCTION OF ALL VEHICLE CROSSINGS AND ASSOCIATED WORKS WITHIN THE ROAD RESERVE MUST BE UNDERTAKEN BY A COUNCIL APPROVED CONTRACTOR.

LEVEL	DRUM	AND	PLAT DATE	07/07/2022
CO-ORD SYSTEM	N.A.			
SURVEYED	N.A.			
WORK-AS-EXECUTED				
BY	N.A.			
DATE	20/04/18			



STANDARD DRAWINGS
CONCRETE KERB DETAILS AND NOTES
CONCRETE DISH DRAIN AND LAYBACK DETAILS & NOTES

DRAWING NO. 3

LEVEL	DRUM	AND	PLAT DATE	07/07/2022
CO-ORD SYSTEM	N.A.			
SURVEYED	N.A.			
WORK-AS-EXECUTED				
BY	N.A.			
DATE	20/04/18			



STANDARD DRAWINGS
DRIVEWAY PROFILE - NORMAL LOW (NL)

DRAWING NO. 1

CONCRETE DRIVEWAY NOTES

- LAYBACK AND GUTTER SHALL BE CONSTRUCTED IN PLAIN CONCRETE AND FINISHED WITH A STEEL TROWEL.
- THE MINIMUM COMPRESSIVE STRENGTH FOR DRIVEWAYS SHALL BE 25MPa AT 28 DAYS FOR COMMERCIAL OR INDUSTRIAL DRIVEWAYS THE SLAB DEPTH SHALL BE INCREASED TO MINIMUM OF 180mm WITH SL2 STEEL MESH AND TOP COVER OF 30mm.
- THE SUBGRADE SHALL BE EVENLY COMPACTED USING A VIBRATORY COMPACTION EQUIPMENT UNTIL IT SHOWS NO SIGNS OF MOVEMENT, OR AS DIRECTED BY COUNCIL.
- ALL VEHICLE CROSSINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH LEVELS AND SPECIFICATION ISSUED BY COUNCIL AND MUST COMPLY WITH AS/NZS 2880.1:2004 "OFF STREET CAR PARKING" CODE.
- ALL KERBSHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DRAWINGS AND SPECIFICATION ISSUED BY COUNCIL.
- WHERE COUNCIL OR ITS REPRESENTATIVE DIRECTS THAT THE GUTTER IS TO BE RETAINED, THE CONTRACTOR IS TO PLACE A 75mm DEEP SAW CUT IN THE GUTTER INVERT AND REMOVE THE KERB AND/OR LAYBACK.
- WHERE COUNCIL OR ITS REPRESENTATIVE DIRECTS THAT THE GUTTER IS TO BE REMOVED, A ROAD OPENING PERMIT OR APPLICATION IS TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS.
- THE CONSTRUCTION OF ALL VEHICLE CROSSINGS AND ASSOCIATED WORKS MUST BE PERFORMED BY A COUNCIL APPROVED CONTRACTOR.
- SAWCUT 500mm ASPHALT STRIP AND MATCH IN LAYBACK WITH ROAD SURFACE TO SMOOTH TRANSITION.

VEHICLE CROSSING CONSTRUCTION NOTES

- AT LEAST 48 HOURS' NOTICE OF INTENTION SHALL BE GIVEN TO COUNCIL ENGINEER TO POUR CONCRETE WITHIN THE ROAD RESERVE AND NO CONCRETE SHALL BE PLACED UNTIL THE FORMWORK HAS BEEN APPROVED AND AN INSPECTION NOTICE ISSUED.
- ALL DISTURBED AREAS OF THE FOOTWAY ADJACENT TO THE VEHICLE CROSSING SHALL BE TURFED AND FINISHED LEVEL WITH THE CONCRETE SURFACE. RAISED EDGES ARE UNACCEPTABLE.
- THE ROAD ADJOINING THE VEHICLE CROSSING SHALL BE BATTERED AND TURFED AT A MAXIMUM GRADIENT OF 1V:6H OR AS DIRECTED BY COUNCIL.
- CONCRETE FOOTPATH ADJUSTMENTS SHALL BE IN ACCORDANCE WITH COUNCIL'S SPECIFICATION AND SATISFACTION.
- THE SUBGRADE MUST BE THOROUGHLY COMPACTED BY THE USE OF VIBRATORY COMPACTION EQUIPMENT UNTIL IT SHOWS NO SIGNS OF MOVEMENT, OR AS DIRECTED BY COUNCIL.
- VEHICLE CROSSING SLABS MUST BE POURED IN PLAIN CONCRETE. SLAB SURFACE MUST BE COVE FINISHED (OR EQUIVALENT) AND EDGES TO BE FINISHED WITH A 50mm MARGIN.
- ALL CHANGES IN GRADE SHALL BE SMOOTHERED TO ENSURE NO RIGID/SHARP TRANSITIONS.
- THE MINIMUM COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 25MPa AT 28 DAYS.
- THE MINIMUM THICKNESS OF CONCRETE SHALL BE AS FOLLOWS:
(a) SINGLE RESIDENTIAL DWELLING: 150mm THICK REINFORCED WITH SL2 MESH PLACED 30mm BELOW TOP OF CONCRETE SLAB
(b) MULTI-UNIT RESIDENTIAL: 150mm THICK REINFORCED WITH SL2 MESH PLACED 30mm BELOW TOP OF CONCRETE SLAB
(c) COMMERCIAL OR INDUSTRIAL: 180mm THICK REINFORCED WITH SL2 MESH PLACED 30mm BELOW TOP OF CONCRETE SLAB
(d) VEHICLE CROSSING UP TO 2400mm FROM THE GUTTER INVERT SHALL BE GRADED PARALLEL WITH THE ROAD CENTRELINE.
- THE VEHICLE CROSSING SHALL BE CONSTRUCTED PERPENDICULAR TO THE ROAD PAVEMENT UNLESS OTHERWISE INSTRUCTED BY COUNCIL.
- THE CONSTRUCTION OF ALL VEHICLE CROSSINGS AND ASSOCIATED WORKS ON THE ROAD RESERVE MUST BE COMPLETED BY A COUNCIL APPROVED CONCRETE CONTRACTOR.
- NO TREE ROOTS GREATER THAN 50mm IN DIAMETER ARE TO BE REMOVED UNLESS AUTHORISED BY A QUALIFIED ARBORIST.
- ANY ROOTS APPROVED FOR REMOVAL SHALL BE CLEAN CUT WITH SHARP TOOLS SUCH AS SECTEURS, PRUNERS, HANDSAWS, CHAINSAWS OR SPECIALISED ROOT PRUNING EQUIPMENT.

IMPORTANT DRIVEWAY DESIGN NOTES:

- THE STANDARD DRIVEWAY PROFILES SHOWN MAY NOT SUIT ALL TERRAIN CONDITIONS.
- THESE STANDARD DRIVEWAY PROFILES MAY NEED TO BE MODIFIED TO SUIT.
- THE STANDARD DRIVEWAY PROFILES SHOWN MAY NOT TAKE INTO CONSIDERATION CONNECTING FOOTPATHS WHERE THE FOOTPATH MEETS THE DRIVEWAY. FOR DISABLED ACCESSIBILITY, A SECTION OF THE DRIVEWAY MAY NEED TO BE DESIGNED WITH A MAXIMUM 2.5% CROSS-FALL GRADED TOWARDS THE KERB OR ROAD SIDE. ALSO THE STANDARD DRIVEWAY PROFILES SHOWN HAS NOT BEEN DESIGNED TO ACCOMMODATE ANY SPECIAL NEEDS, FOR EXAMPLE, IN A FLOOD PLANNING AREA WHERE A MINIMUM FREE BOARD CREST IS REQUIRED TO PROTECT THE PARKING FACILITY.
- WHERE MODIFICATION OF THE DRIVEWAY IS REQUIRED TO MEET EXISTING OR PROPOSED CROSS FALLS OR LEVELS, THE FINAL DESIGN PROFILE MUST BE CHECKED AGAINST THE AUSTRALIAN STANDARD AS/NZS 2880.1:2004 "OFF STREET CAR PARKING" CODE FOR SCRAPING AND BOTTOMING USING THE 85TH PERCENTILE PASSENGER VEHICLE.
- THE DESIGNER WILL NEED TO LIAISE WITH COUNCIL TO DEVELOP A SUITABLE DESIGN SOLUTION.

