

Appendix B

AMENDED CONCEPT CIVIL PLANS (INDESCO)

WATERVUE

643-651 HUNTER STREET NEWCASTLE

ISSUE FOR DA APPLICATION

FEB 2023



LOCALITY PLAN
NTS

CLIENT:



ARCHITECT:

**STEWART
ARCHITECTURE**

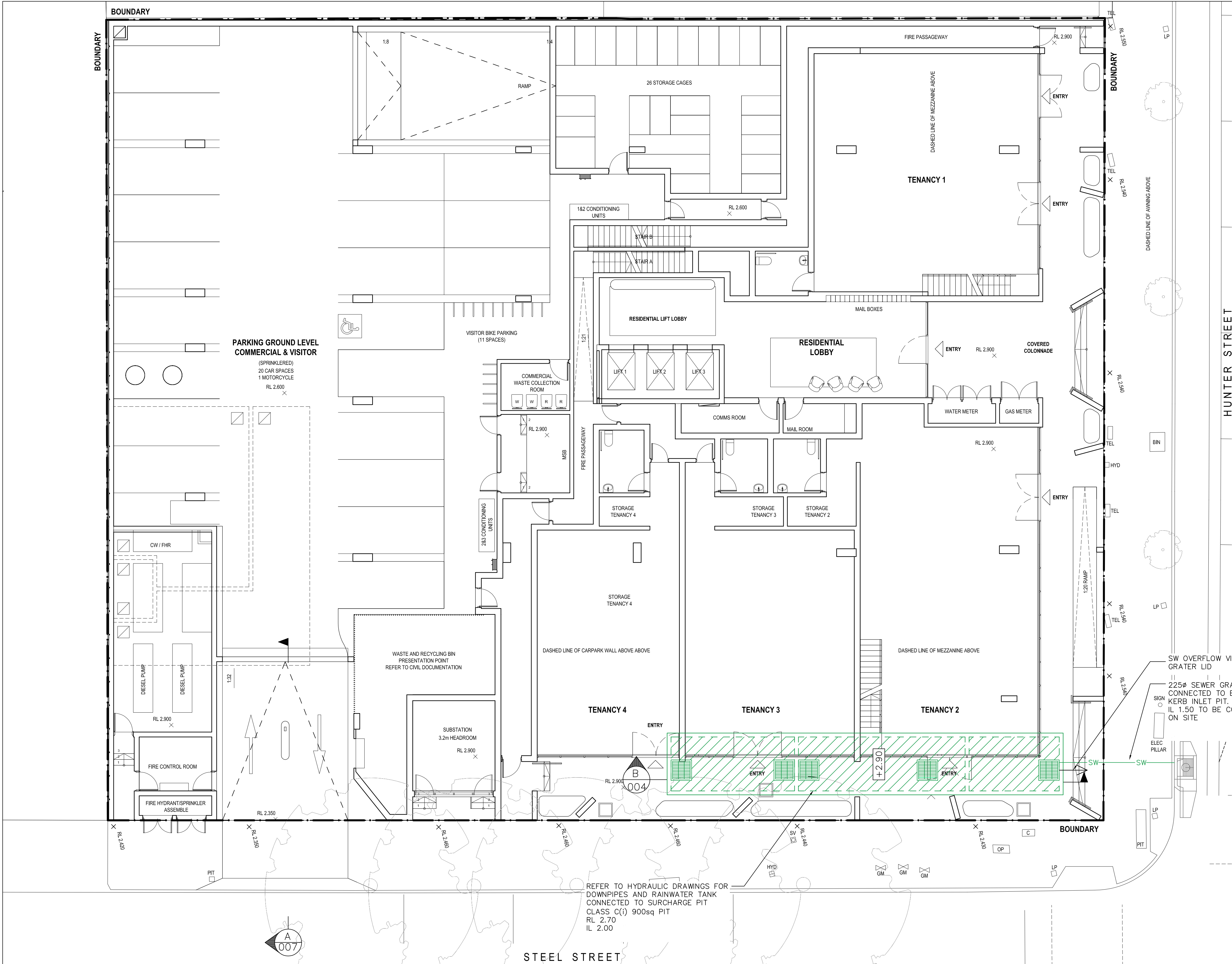
CONSULTANTS:



7330-01-000

DRAWING SCHEDULE	
NUMBER	DRAWING TITLE
7330-01-000	COVER SHEET
7330-01-001	DRAWING SCHEDULE
7330-01-002	LEGEND ABBREVIATION AND GENERAL NOTES
7330-01-003	GROUND FLOOR STORMWATER PLAN
7330-01-004	STORMWATER DETAILS
7330-01-005	SITE CALCULATIONS
7330-01-006	SITE PERMEABILITY
7330-01-007	DETAILS
7330-01-020	WASTE MANAGEMENT PLAN
7330-01-021	WASTE MANAGEMENT PLAN
7330-01-022	WASTE MANAGEMENT PLAN
7330-01-030	GROUND FLOOR SWEPT PATH ANALYSIS
7330-01-031	LEVEL 1 SWEPT PATH ANALYSIS
7330-01-032	LEVEL 2 SWEPT PATH ANALYSIS
7330-01-033	LEVEL 3 SWEPT PATH ANALYSIS
7330-01-040	PRE-DEVELOPMENT PMF STORAGE DEPTHS
7330-01-041	POST-DEVELOPMENT PMF STORAGE DEPTHS
7330-01-045	FLOOD STORAGE SECTIONS SHEET 1
7330-01-046	FLOOD STORAGE SECTIONS SHEET 2
7330-01-047	FLOOD EVACUATION PLAN

No.	AMENDMENT	APPROVED	DATE	AMENDED BY	ARCHITECT	CLIENT	PROJECT			DRAWING TITLE					
					STEWART ARCHITECTURE	BL OC	INDESCO CANBERRA SYDNEY WOLLONGONG www.indesco.com.au CONSULT AUSTRALIA QHS&G Safe Design QHS&G Safe Design QHS&G Safe Design			WATERVUE 643-651 HUNTER STREET NEWCASTLE					
2	RE-ISSUED FOR DA APPLICATION	M.S.	29.09.22	M.M.			APPROVED M.S. DATE 28.01.2022								
1	ISSUE FOR DA APPLICATION	M.S.	27.06.22	D.K.			CHECKED M.S. DATE 28.01.2022								
							DESIGNED BY M.S.								
							DRAWN BY D.K.								
							CAD FILE H:\7330-643-651 Hunter Street Newcastle\A\coord\Current Drawing\Chf\7330-01-001 DRG SHED.dwg								
							SCALE AS SHOWN		SHEET No.						
								PROJECT		DRAWING TITLE					
										</					



LEGEND

EXISTING SERVICES

SITE BOUNDARY

EXISTING STORMWATER

EXISTING STORMWATER TO BE REMOVED

MAJOR CONTOURS

MINOR CONTOURS

TREE

EXISTING SEWER LINE

PROPOSED

TREE TO BE REMOVED

TREE PROTECTION FENCE

CATCHMENT DRAIN

STORMWATER (SUMP, GRATED PIT)

AGI PIPE

STORMWATER STRIP DRAIN

HDG

LDG

ODP

HEAVY DUTY GRADE

LIGHT DUTY GRADE

DOWN PIPE

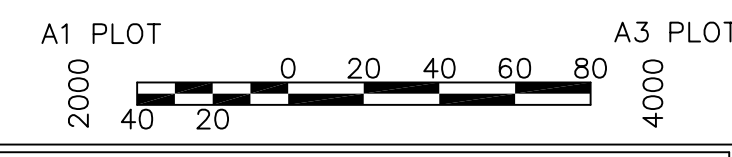
GROUND FLOOR STORMWATER PLAN NOTES:

1. ALL PIPES SHOWN MIN. 100Ø WITH 1% FALL UNLESS OTHERWISE SPECIFIED
2. GRADE ALL PREVIOUS AREAS AWAY FROM BUILDINGS.
3. PROVIDE OVERFLOW PATHS THRU LANDSCAPING BEDS AS REQUIRED OR AS DIRECTED BY ENGINEER ON SITE.
4. GEOFABRIC MATERIAL TO BE FITTED TO ALL OUTLET PIPES FOR ALL PITS. THIS IS REQUIRED TO STOP SEDIMENT FROM EXISTING THE PROPERTY.

CLASS OF GRATE AS3996.2006		
CLASS	DESIGN LOAD	TYPICAL USER
CLASS A	10kN	PEDESTRIAN
CLASS B	80kN	LIGHT VEHICLES
CLASS C(i)	150kN	LIGHT TRUCK
CLASS C(ii)	150kN	SLOW TRUCK
CLASS D	210kN	HIGHWAY VEHICLES

MINIMUM 26K LT RAINWATER TANK REQUIRED ON-SITE RETENTION DESIGNED TO REDUCE THE DISCHARGE OF STORM WATER AND IMPACT TO THE PUBLIC DRAINAGE SYSTEM.

STORMWATER OSD/RETENTION SYSTEM
RWT – 2.75 W X 1.50 D X 6.3 L = 26m³
RETENTION VOLUME: 11.8kL FOR IRRIGATION
1.40kL FOR COMMERCIAL USE (20 DAY DRAW DOWN)
8.7kL FOR RESIDENTIAL (LVL 4 ONLY)
RTW CAPACITY DESIGNED TO ACCOMMODATE 4 DAY PERIOD TO FILL TANK
OSD – 2.75 W X 1.2 D X 8.5 L = 28m³
TOTAL ONSITE RETENTION/DETENTION SYSTEM = 54m³
100% IMPERVIOUS
VOLUME REQUIREMENT OF 13mm
STORAGE REQUIRED = 54m³
TWL = RL 2.40
INVERT = 1.2m AHD



No.

AMENDMENT

APPROVED

DATE

AMENDED BY

ARCHITECT

3

UPDATED OSD

M.S.

24.02.23

M.M.

2

RE-ISSUED FOR DA APPLICATION

M.S.

28.09.22

M.M.

1

ISSUE FOR DA APPLICATION

M.S.

27.06.22

D.K.

STEWART
ARCHITECTURE

CLIENT

BL
OC

INDESCO

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APPROVED

M.S.

DATE

CHECKED

M.S.

DATE

DESIGNED BY

D.K.

DRAWN BY

D.K.

CAD FILE

H:\7330-643-651 Hunter Street Newcastle\A\cad\Current Drawing\DWG\7330-01-003 GROUND FLOOR STORMWATER.dwg

SCALE

AS SHOWN

SHEET No.

PROJECT

WATERVUE

643-651 HUNTER STREET

NEWCASTLE

DRAWING TITLE

GROUND FLOOR

STORMWATER PLAN

PROJECT No.

7330-01

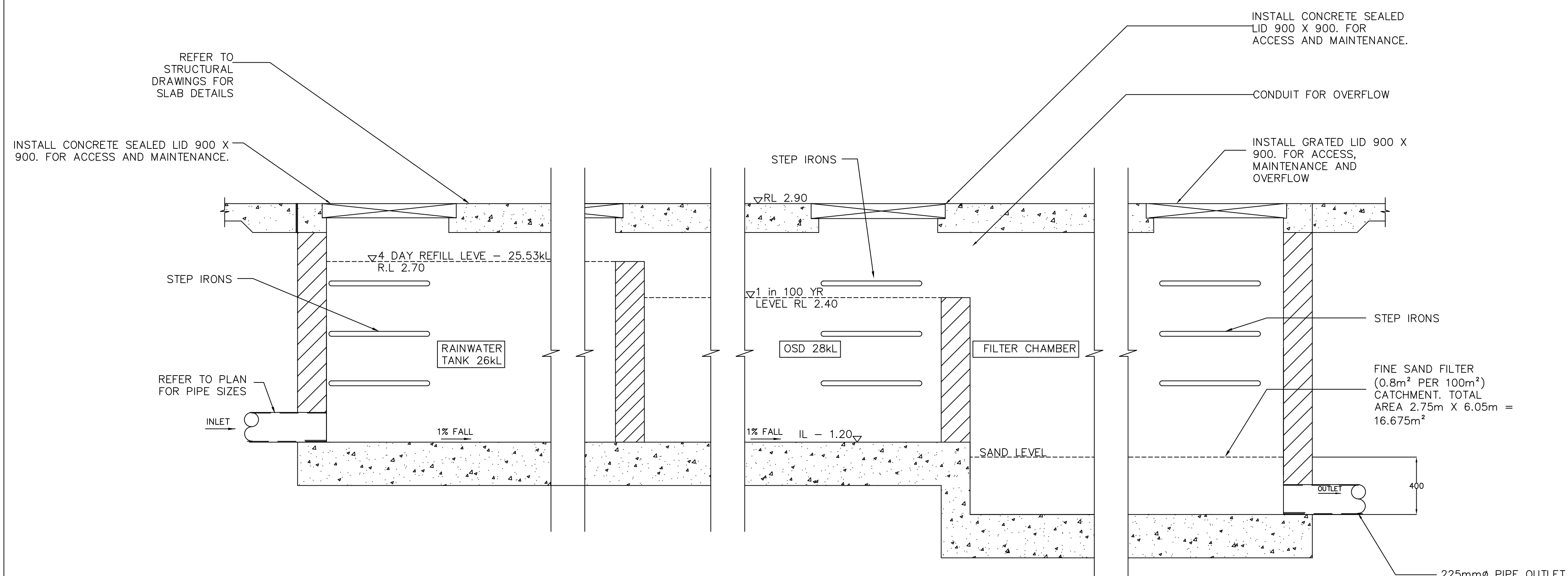
DRAWING No.

003

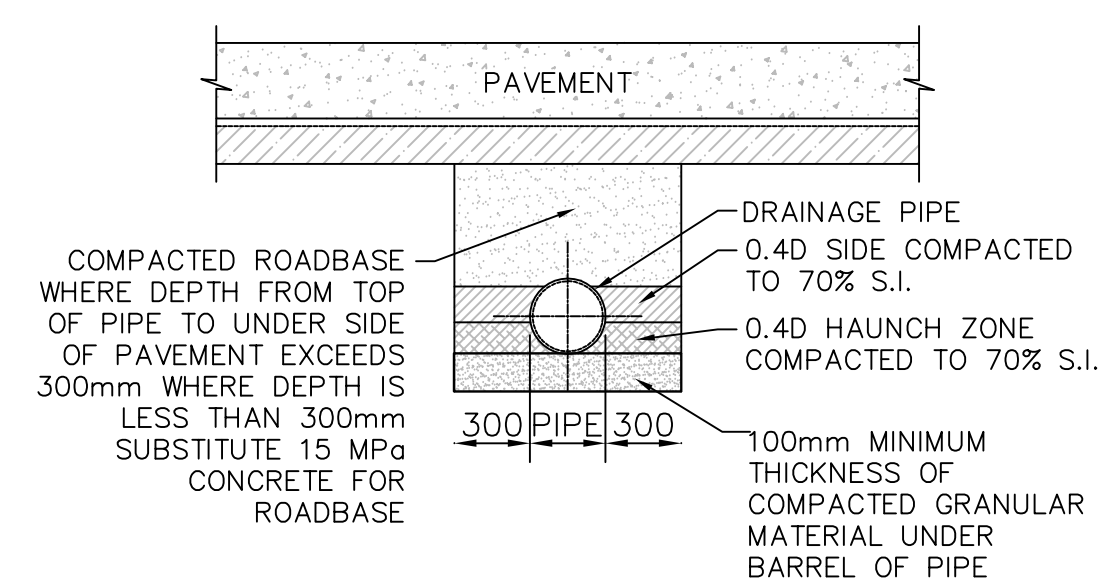
AMDT

1

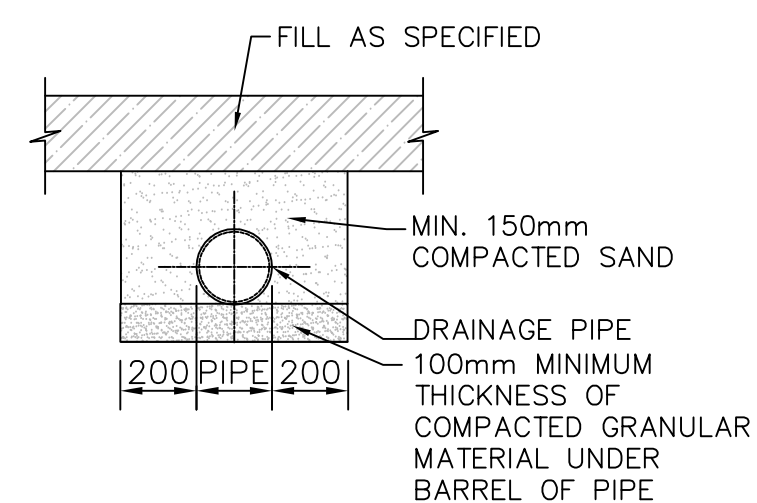
RTW = 2.75 W X 1.50 D X 6.3 L = 26m³ RETENTION VOLUME: 11.8KL FOR IRRIGATION 1.40KL FOR COMMERCIAL USE (20 DAY DRAW DOWN) 8.7KL FOR RESIDENTIAL (LVL 4 ONLY) RTW CAPACITY DESIGNED TO ACCOMMODATE 4 DAY PERIOD TO FILL TANK OSD = 2.75 W X 1.2 D X 8.5 L = 28m³ TOTAL ONSITE RETENTION/DETENTION SYSTEM = 54m³
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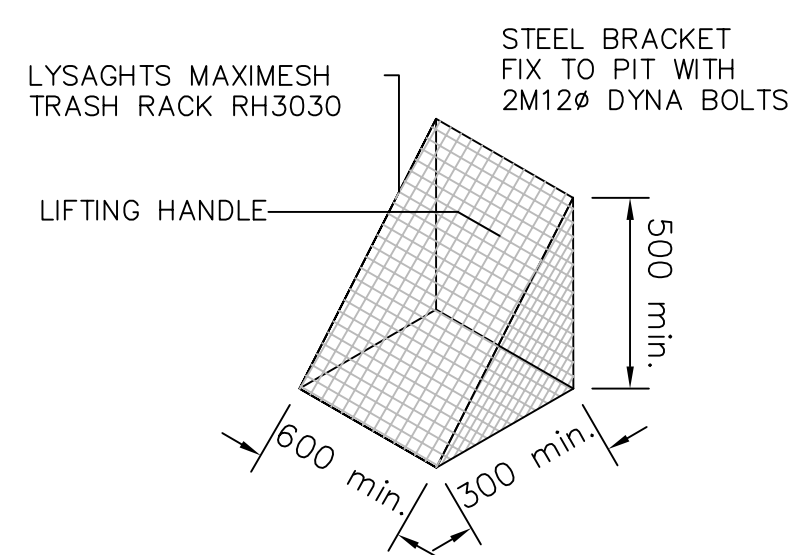
(B
003) TYPICAL SECTION THROUGH STORMWATER RETENTION TANK
(NOT TO SCALE)



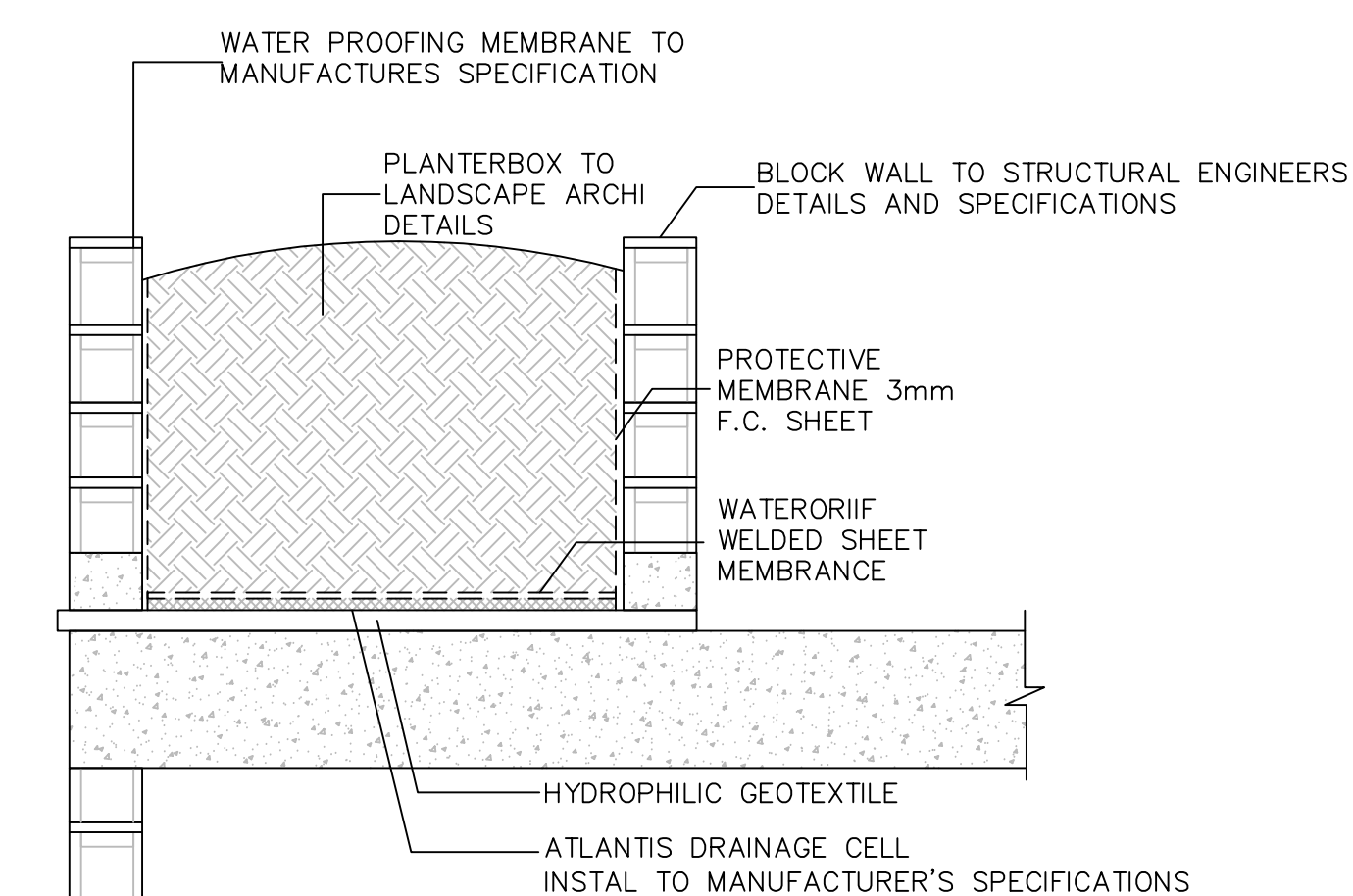
SECTION THROUGH STORMWATER
DRAIN UNDER PAVEMENT
(NOT TO SCALE)



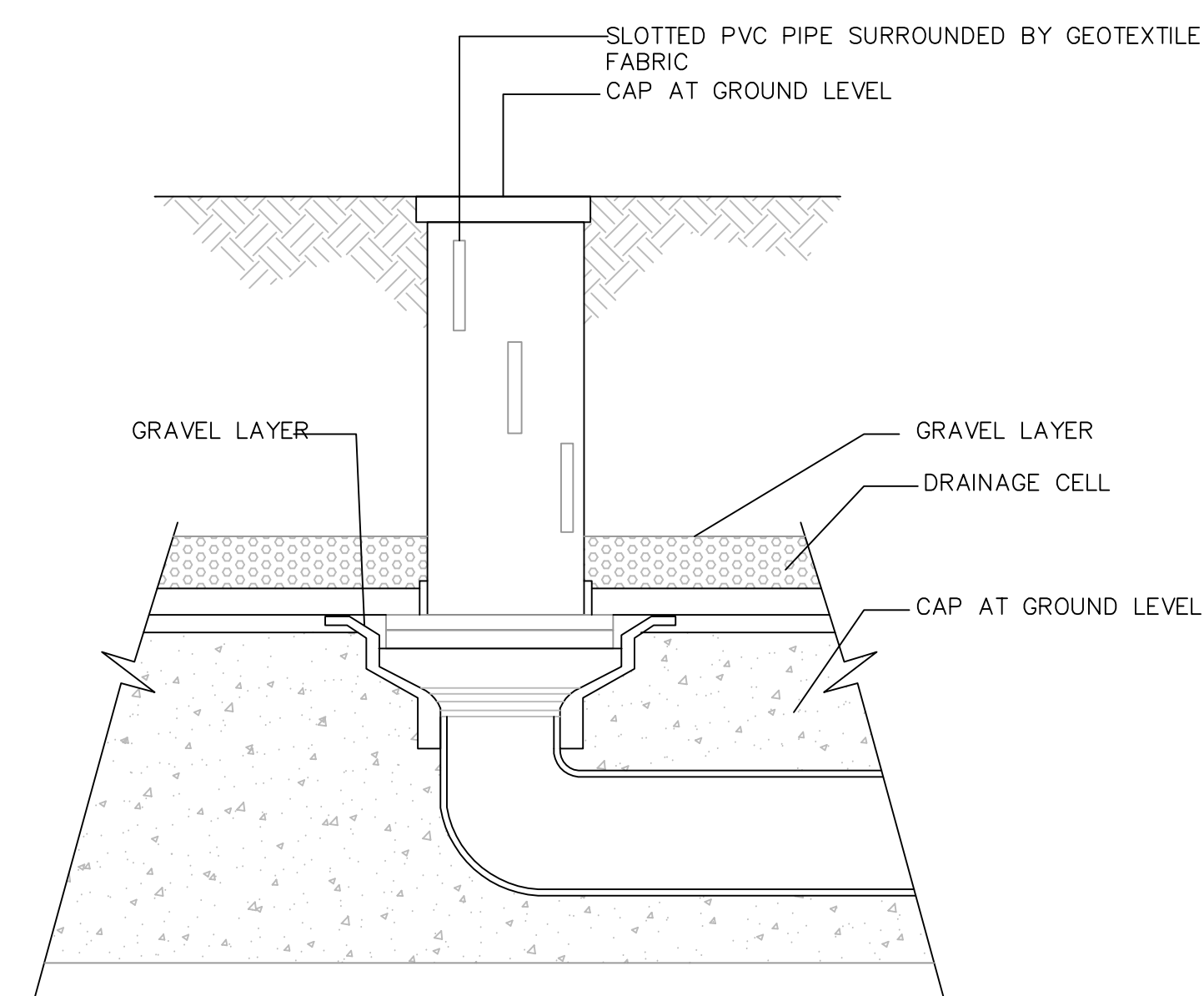
SECTION THROUGH STORMWATER
DRAIN UNDER GROUND
(NOT TO SCALE)



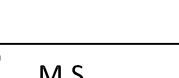
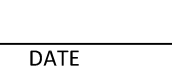
MESH SCREEN DETAIL
(NOT TO SCALE)
GALVANISED LYSAGHT
RH3030MAXI MESH SCREEN IN
GALVANISED STEEL FRAME WITH
LIFTING HANDLES

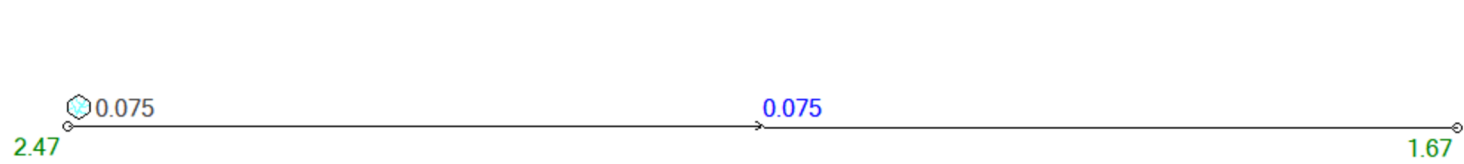


TYPICAL RAISED PLANTER BOX
(NOT TO SCALE)

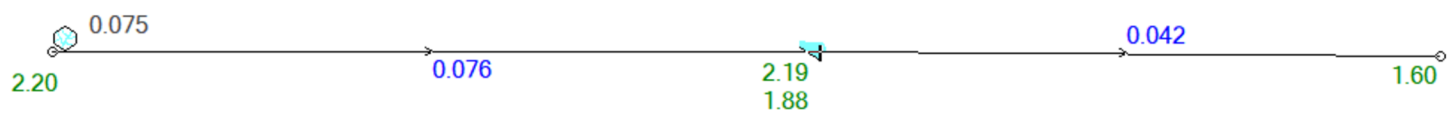


100Ø PLANTER OUTLET
(NOT TO SCALE)

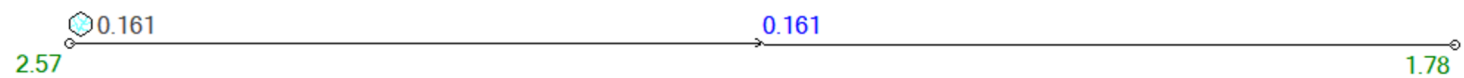
No.	AMENDMENT	APPROVED	DATE	AMENDED BY	ARCHITECT	CLIENT	PROJECT		DRAWING TITLE					
							 CANBERRA SYDNEY WOLLONGONG www.indesco.com.au	   	WATERVUE 643-651 HUNTER STREET NEWCASTLE	STORMWATER DETAILS				
1	ISSUE FOR DA APPLICATION	M.S	27.09.22	M.M										



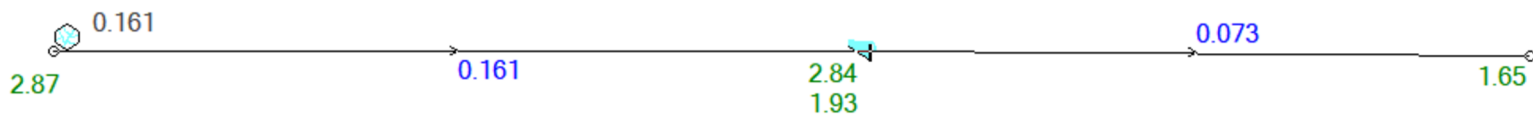
1 IN 5 YEAR PRE CONSTRUCTION CONDITIONS



1 IN 5 YEAR POST CONSTRUCTION CONDITIONS



1 IN 100 YEAR PRE CONSTRUCTION CONDITIONS



1 IN 100 YEAR POST CONSTRUCTION CONDITIONS

PRE CONSTRUCTION SITE CONTRIBUTIONS

AREA = 2078m²
IMPERVIOUS AREA = 100%
PERVIOUS AREA = 0%

POST CONSTRUCTION SITE CONTRIBUTIONS

AREA = 2078m²
IMPERVIOUS AREA = 100%
PERVIOUS AREA = 0%
ONSITE RETENTION = 56kL

TANK DESIGNED TO REDUCE THE DISCHARGE RATE TO LESS THAN 7.2/s/100m². HARVESTED RAINWATER PROPOSED FOR RE-USE CALCULATED TO SATISFY NEWCASTLE MUSLIC-link PARAMETERS. THE DAILY EXPECTED DRAWDOWN OF WATER TO FOUR (4) 1-2 BED APARTMENTS AND TWO (2) 3 BED APARTMENTS LOCATED ON LEVEL 4, IN ACCORDANCE WITH TABLE 4.1, VOLUME THAT CAN BE DISPOSED THROUGH CONNECTED USES, IS PROJECTED TO BE 2.175 kL/day. DESIGN AND ANALYSIS HAS CONSIDERED A MINIMUM 25.53kL TO BE MAINTAINED TO SATISFY DRAWDOWN REQUIREMENTS FOR RE-USE. RESIDENTIAL USE TO BE CONNECTED TO THE TANK VIA SEPARATE RETICULATION SYSTEM TO MAINS. REMAINING VOLUME OF TANK (28m³) TO BE USED AS ON SITE DETENTION.

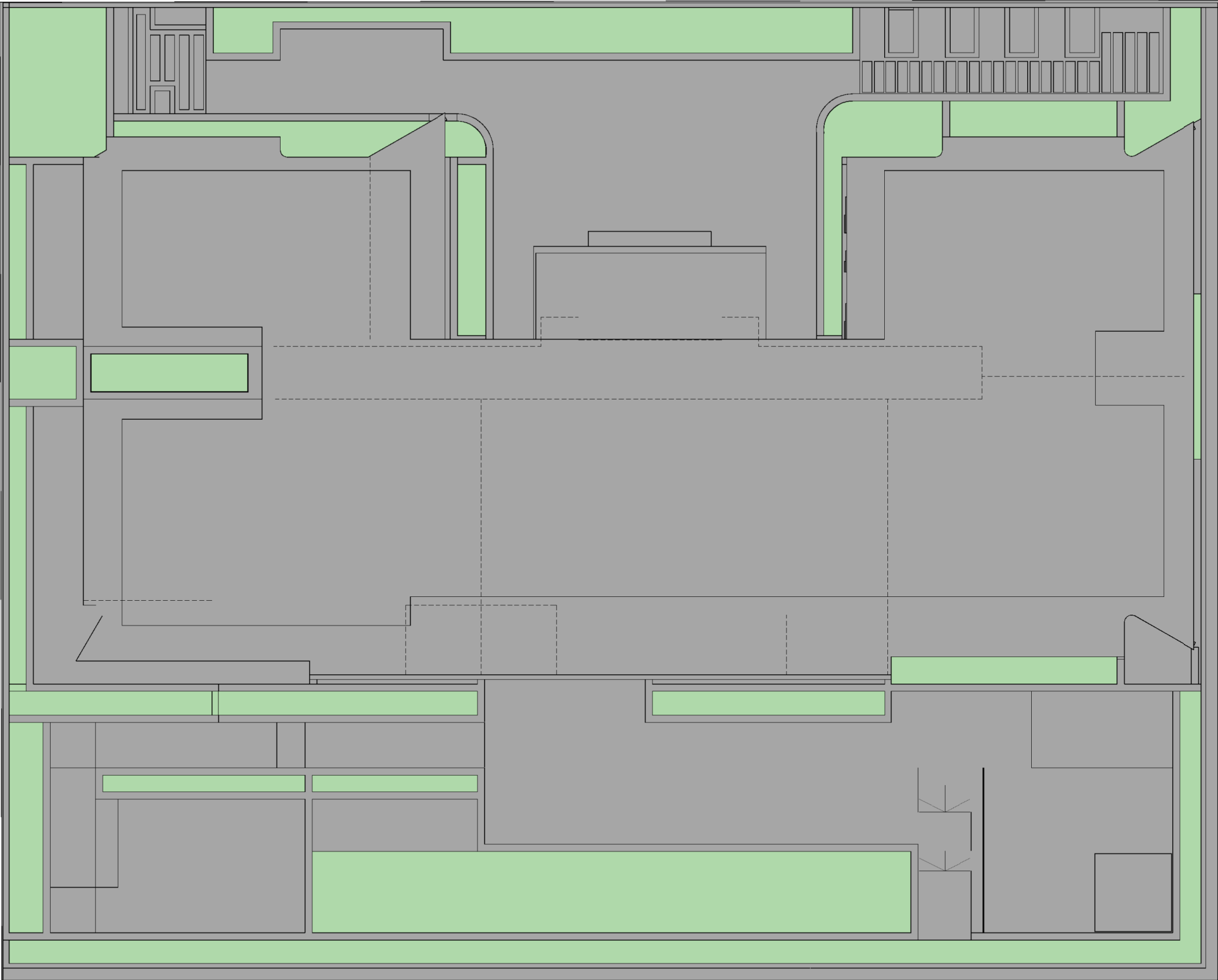
RESIDENTIAL		
APARTMENT	1-2 BED	3 BED
REUSE	TOILET + LAUNDRY (25%)	TOILET + LAUNDRY (25%)
VOLUME	4 APARTMENTS	2 APARTMENTS
4 DAY RE-USE VOL.*	5.50kL	3.20kL

COMMERCIAL - 0.1kL/DAY/1000m ²	
TOTAL FLOOR AREA	692m ²
20 DAY REUSE	0.1x20x.6929 = 1.4kL
4 DAY REFILL VOL.**	25.53kL

IRRIGATION - TOTAL AREA x 10L / DURATION	
TOTAL GARDEN AREA	294m ²
TOTAL VOLUME***	(294 x 10)/1 = 2940L
4 TIMES A WEEK	11.8kL

* +10% OF 4 DAY RE-USE TO ALLOW FOR PEAK DEMAND DURING TOP UP
** REFILL = (MEAN ANNUAL RAINFALL/365) x TOTAL SITE AREA x 4
*** DURATION ASSUMED TO BE ONE HOUR

No.	AMENDMENT	APPROVED	DATE	AMENDED BY	ARCHITECT	CLIENT	PROJECT	DRAWING TITLE
					STEWART ARCHITECTURE	BLOCC	INDESCO CANBERRA SYDNEY WOLLONGONG www.indesco.com.au CONSULT AUSTRALIA QHS&S Safe Working QHS&S Safe Working QHS&S Safe Working QHS&S Safe Working	DRAWING TITLE SITE CALCULATIONS
3	UPDATED CALCULATIONS	M.S	24.02.23	M.M.			APPROVED M.S DATE 17.02.2022	WATERVUE 643-651 HUNTER STREET NEWCASTLE
2	RE-ISSUE FOR DA	M.S	28.09.22	M.M.			CHECKED M.S DATE 17.02.2022	
							DESIGNED BY M.S	
1	ISSUE FOR DA APPLICATION	M.S	27.06.22	D.K.			DRAWN BY D.K	
							CAD FILE H:\7330-643-651 Hunter Street, Newcastle\Acad\Current Drawings\DW\7330-01-005 SITE CALCULATIONS.dwg	
							SCALE AS SHOWN SHEET No.	PROJECT
								PROJECT NO. 7330-01
								DRAWING No. 005
								AMDT 2



SITE				
643-651 HUNTER STREET, NEWCASTLE				
SITE	AREA (m²)	AREA (%)	mm/m	STORAGE REQ (m³)
TOTAL	2078.25	100	N/A	48
GREEN SPACE	371.1	17.86	12mm	5
IMPERVIOUS	1707.15	82.14	25mm	43

No.	AMENDMENT	APPROVED	DATE	AMENDED BY	ARCHITECT
1	ISSUE FOR DA APPLICATION	M.S.	27.09.2022	M.M.	

**STEWART
ARCHITECTURE**

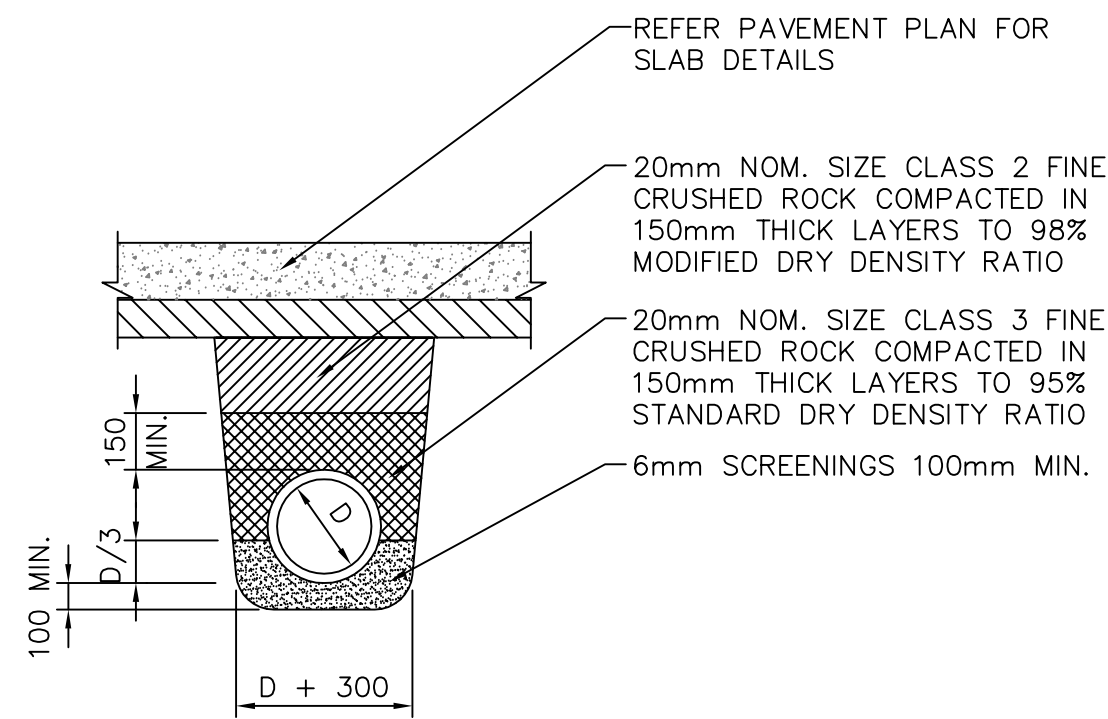


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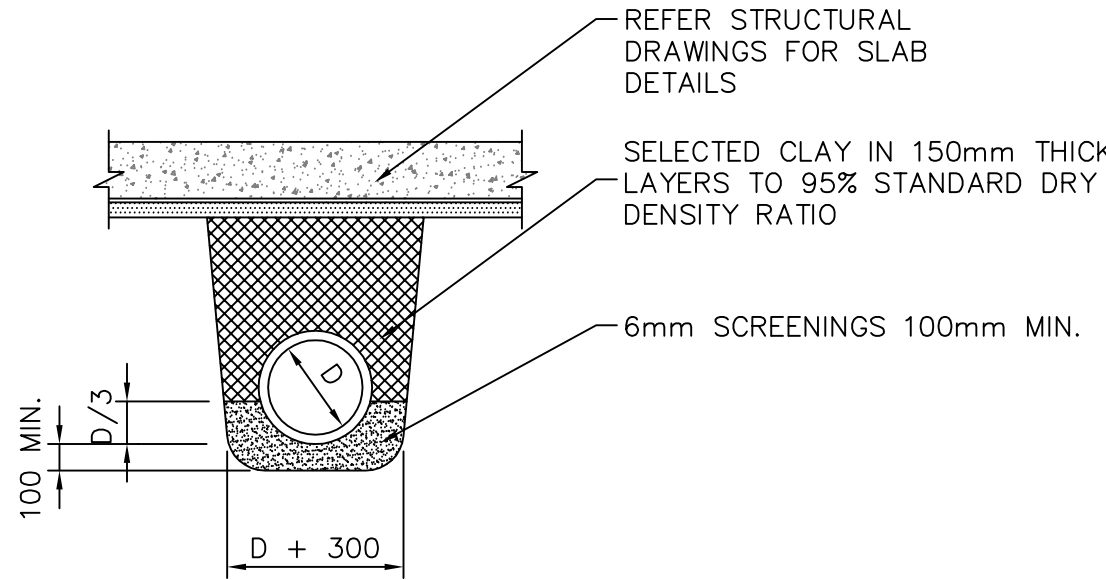


APPROVED	M.S.	DATE	27.09.2022
CHECKED	M.S.	DATE	27.09.2022
DESIGNED BY	M.S.		
DRAWN BY	M.M.		
CAD FILE H:\2330 643-651 Hunter Street WaterVue\Aussie\Drawings\2330-01-006 SITE PERMEABILITY.dwg			
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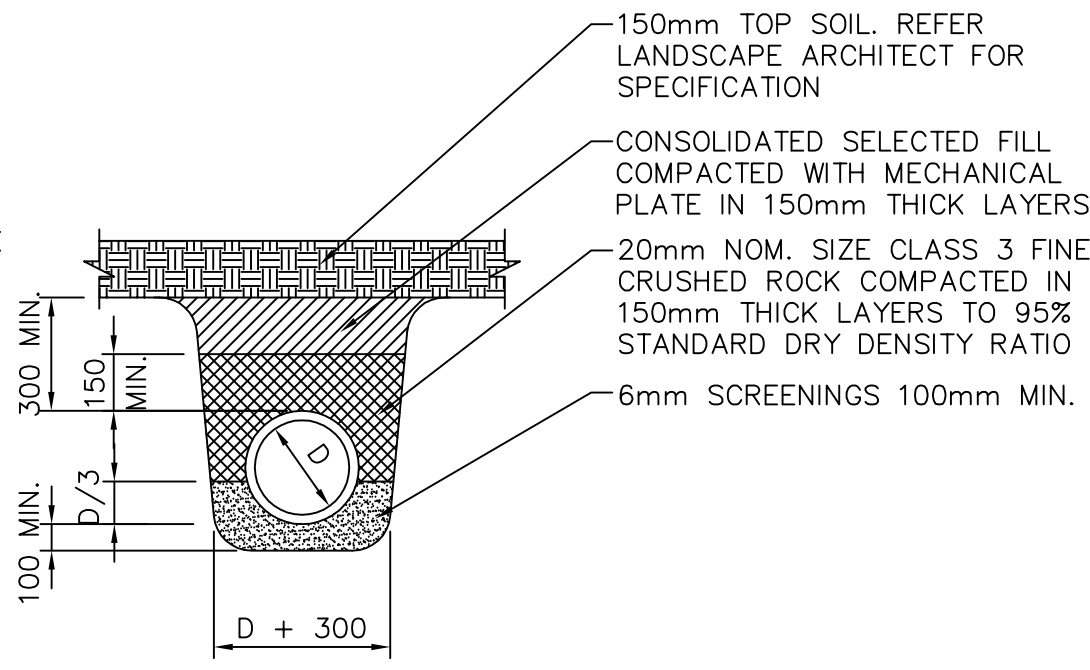
PROJECT		DRAWING TITLE		
WATERVUE 643-651 HUNTER STREET NEWCASTLE		SITE PERMEABILITY CALCULATIONS		
		PROJECT No. 7330-01	DRAWING No. 006	AMDT 1



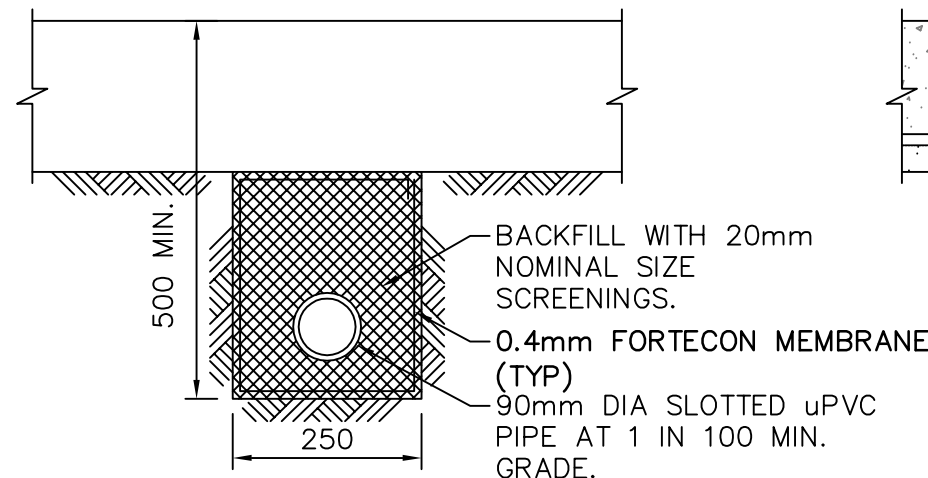
PIPE BEDDING –
UNDER CONCRETE
PAVEMENTS
NOT TO SCALE



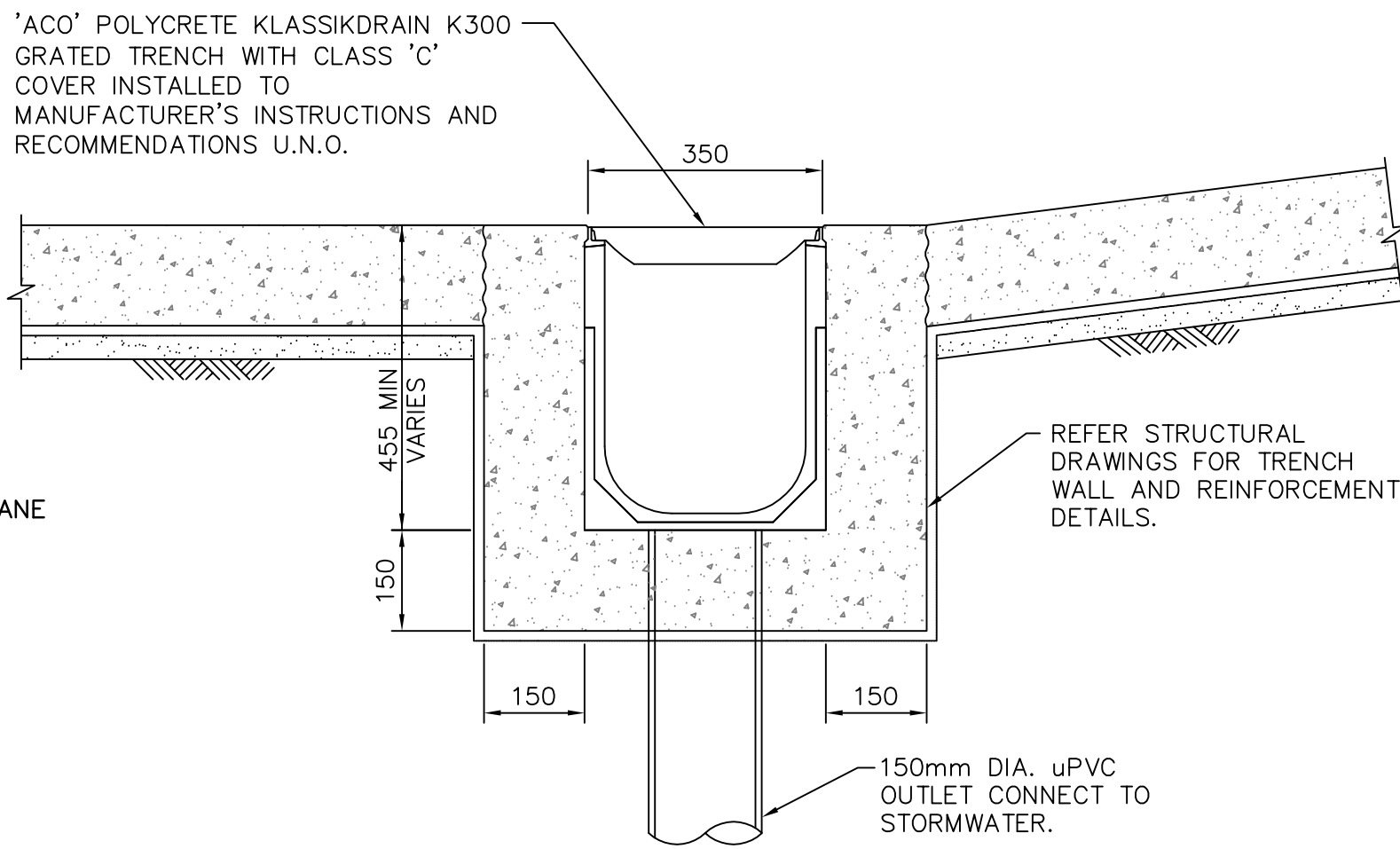
PIPE BEDDING –
UNDER FLOOR SLAB
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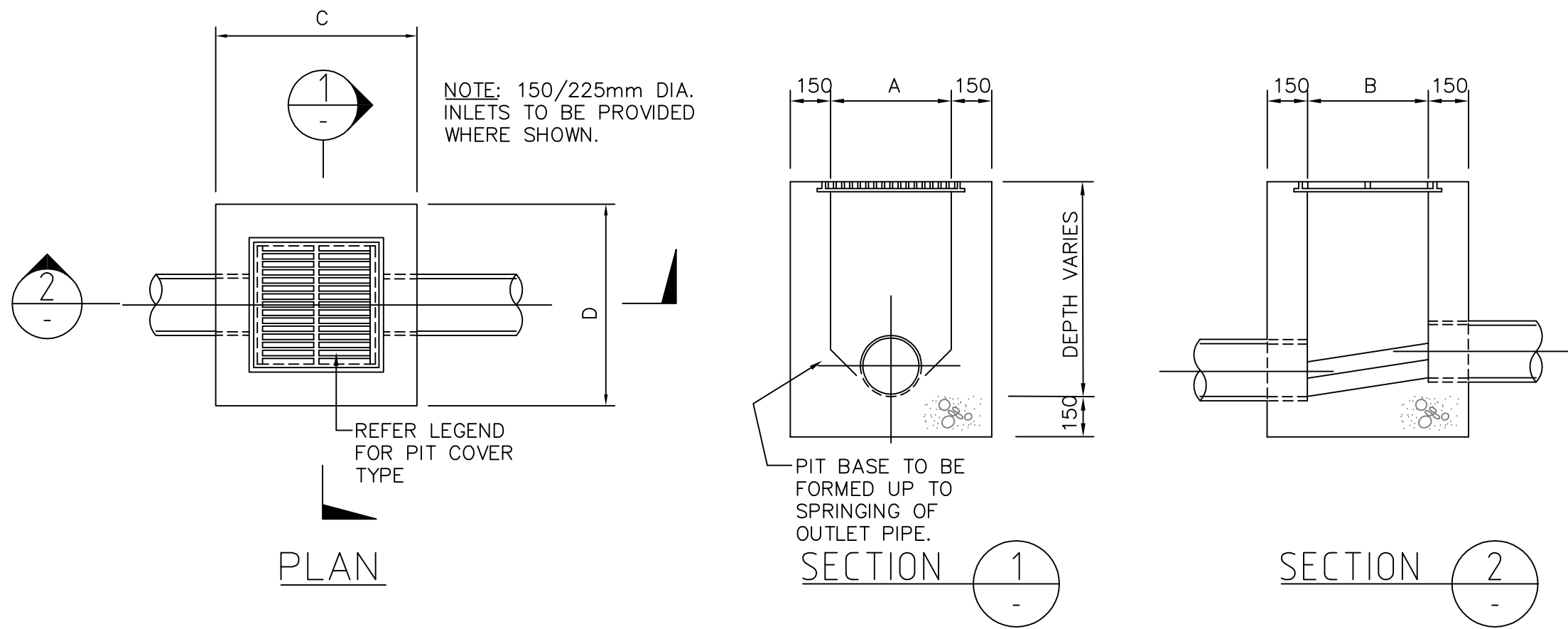
PIPE BEDDING –
IN LANDSCAPING
NOT TO SCALE



AGRICULTURAL DRAIN (AG)
DETAIL
NOT TO SCALE

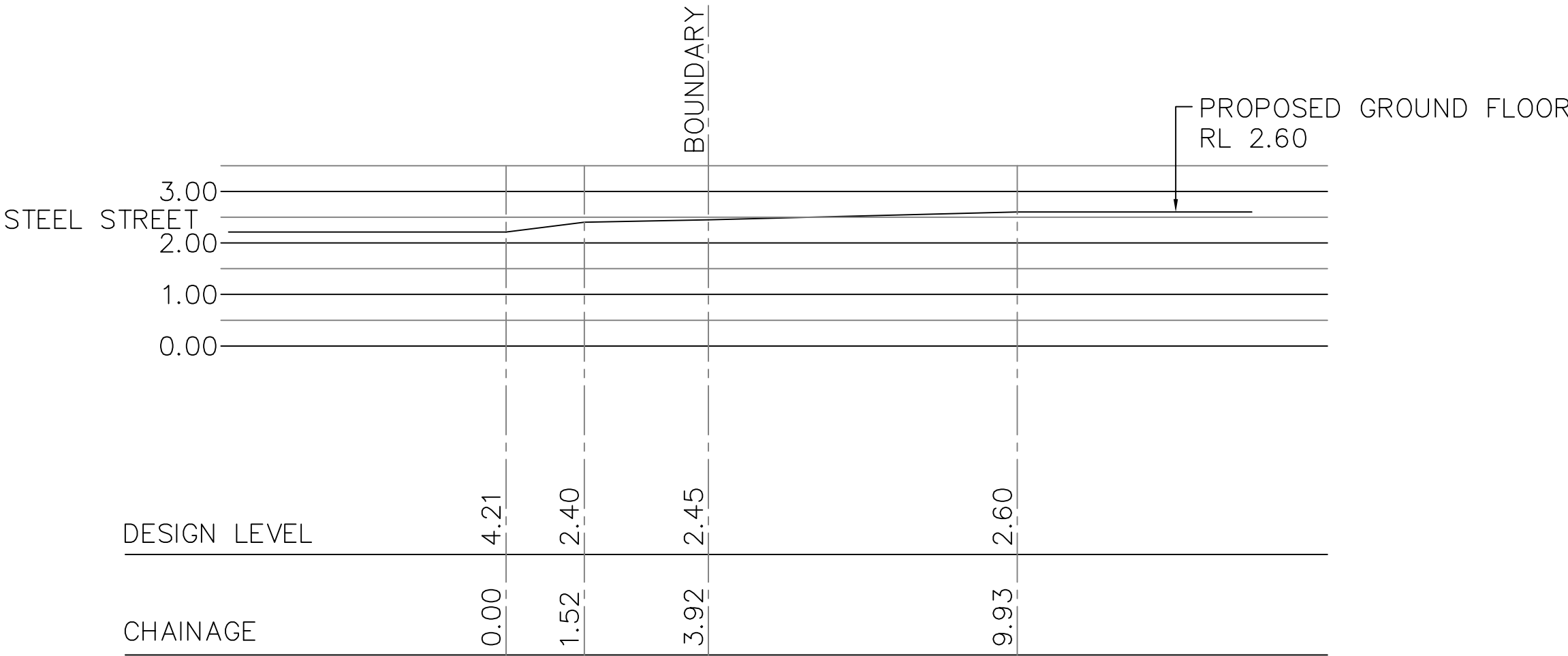


GRATED TRENCH
DETAIL
GRATE HEAVY-DUTY – CLASS 'C'
UNLESS NOTED OTHERWISE
NOT TO SCALE



GRATED AND JUNCTION PIT DETAIL
NOT TO SCALE

- NOTES:
- ALL PITS IN VEHICLE PAVEMENT AREAS SHALL BE CLASS 'C' GATIC CAST IRON GRATE OR COVER OR EQUAL APPROVED TYPE UNLESS NOTED OTHERWISE.
 - ALL GRATED PITS IN FOOTPATH AND PEDESTRIAN PAVEMENTS SHALL BE APPROVED TYPE HEEL GUARD DDA COMPLIANT GRATES.
 - INSTALL HOT-DIPPED GALVANISED STEEL STEP IRONS AT 300 mm INTERVAL IN ALL PITS OF 900x900 IN EXCESS OF 1.0 METRE DEPTH.
 - ALL MILD STEEL GRATES AND FRAMES SHALL BE HOT-DIPPED GALVANISED IN ACCORDANCE WITH AS1650-1981.
 - TOP OF PITS SHALL MATCH SLOPE AND LEVEL OF ADJOINING FINISHED SURFACE LEVELS.
 - CONCRETE $F'c = 40 \text{ MPa}$ SULPHATE RESISTANT CEMENT QUARRY MIXED WITH XYPEX, OR APPROVED TYPE PRECAST PITS WITH 2% CEMENT STABILISED SAND BACK FILLING.



DRIVEWAY LONG SECTION
SCALE 1:100 @ A1

No.	AMENDMENT	APPROVED	DATE	AMENDED BY
1	ISSUE FOR DA APPLICATION	M.S	27.06.22	D.K.

ARCHITECT
**STEWART
ARCHITECTURE**

CLIENT
**BL
OC**

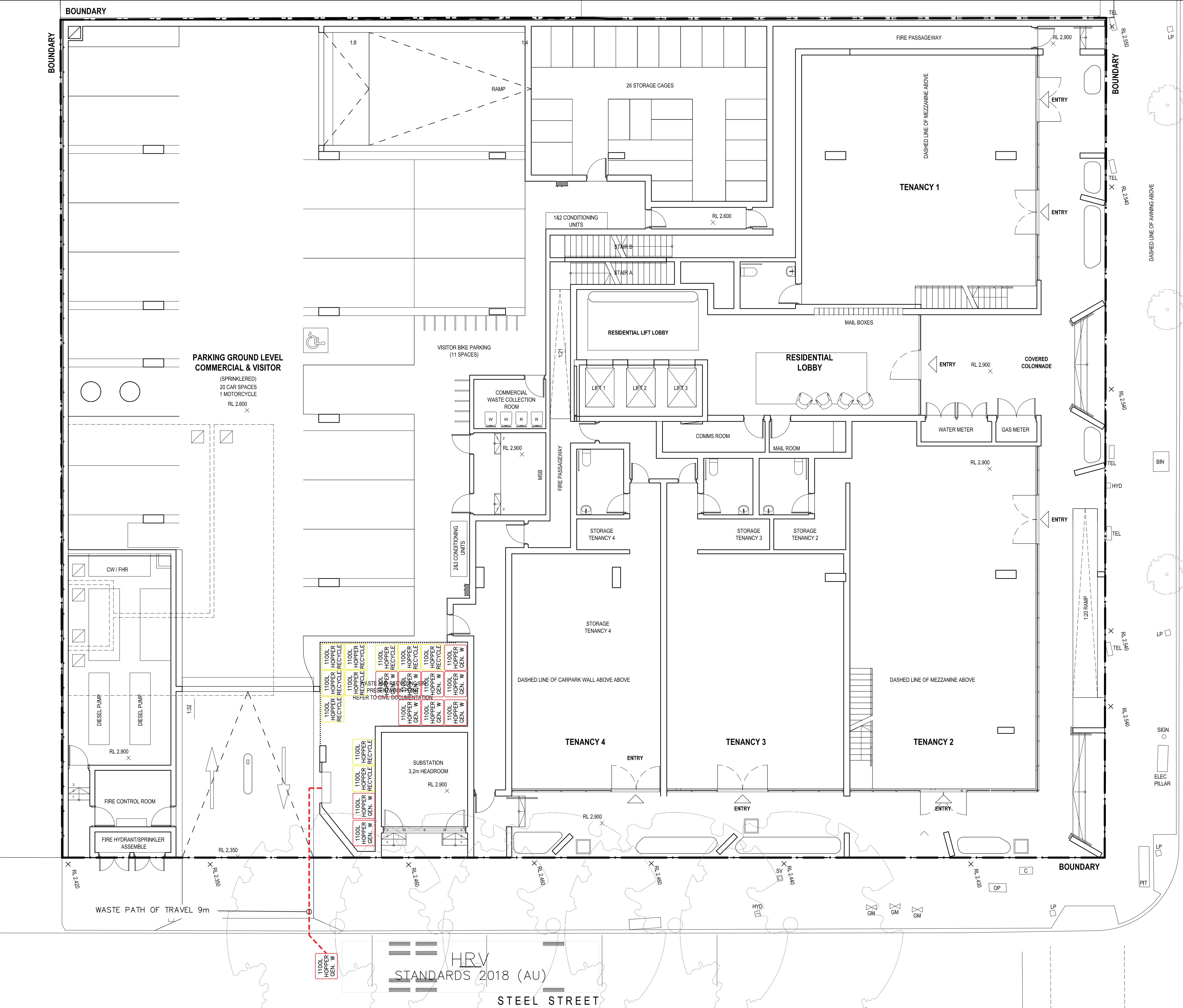
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CONSULT AUSTRALIA
dics OHS&S
dics ISO 9001
dics ISO 14001

APPROVED	M.S	DATE	17.02.2022
CHECKED	M.S	DATE	17.02.2022
DESIGNED BY	M.S		
DRAWN BY	D.K		
CAD FILE	H:\7330 643-651 Hunter Street Newcastle\Acad\Current Drawing\DW\7330-01-004 DETAILS.dwg		
SCALE	AS SHOWN	SHEET No.	

PROJECT
WATERVUE
643-651 HUNTER STREET
NEWCASTLE

DRAWING TITLE DETAILS		
PROJECT No. 7330-01	DRAWING No. 007	AMDT 1



WASTE MANAGEMENT PLAN

LEGEND



DENOTES GENERAL WASTE HOPPER
DENOTES RECYCLING HOPPER
DENOTES FOGO WASTE HOPPER
DASHED LINE DENOTES PATH OF TRAVEL

GENERAL WASTE PER WEEK

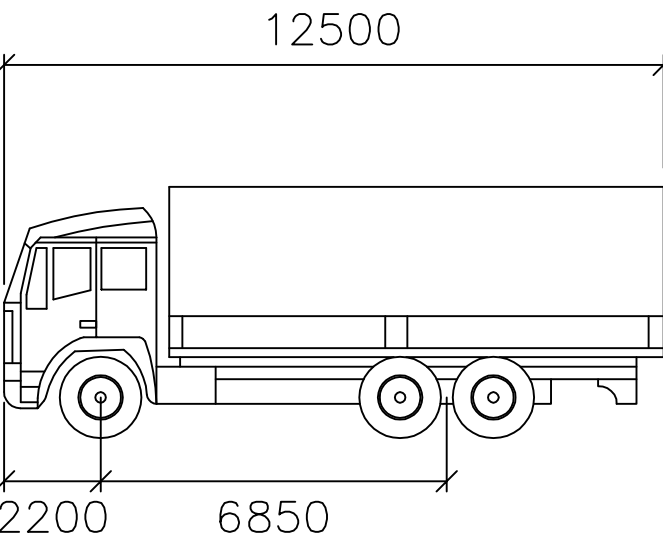
RESIDENTIAL			
APARTMENT SIZE	Est. Lts/WEEK	No. OF UNITS	TOTAL SITE
1 BED	80	29	2320
2 BED	100	45	4500
3+ BED	120	32	3840
TOTAL		106	10660
NUMBER 660lts			0
NUMBER 1100lts			10

CO-MINGLED RECYCLING PER WEEK

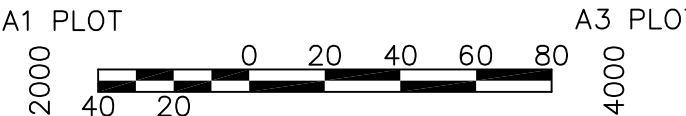
RESIDENTIAL			
APARTMENT SIZE	Est. Lts/WEEK	No. OF UNITS	TOTAL SITE
1 BED	80	29	2320
2 BED	100	45	4500
3+ BED	120	32	3840
TOTAL		106	10660
NUMBER 660lts			0
NUMBER 1100lts			10

COMMERCIAL WASTE REQUIREMENTS

OFFICE						
UNIT	FLOOR AREA (m ²)	WASTE/UNIT(m ²)/DAY (LITRES) 10L/100m ² /DAY	TOTAL WASTE (LITRES) MON-FRI	BIN SIZE	NO. OF COLLECTIONS PER WEEK	WEEKLY CAPACITY (LITRES)
TENANCY 1	182.7	18.27	91.35	2 x 240	1	480L
TENANCY 2	264.2	26.42	132.1			
TENANCY 3	149.1	14.91	74.55			
TENANCY 4	125	12.5	62.5			
TOTAL	721	72.1	360.5			



HRV
mm
Width : 2500
Track : 2500
Lock to Lock Time : 6.0
Steering Angle : 36.7



No.	AMENDMENT	APPROVED	DATE	AMENDED BY	ARCHITECT
2	RE-ISSUED FOR DA APPLICATION	M.S	27.09.22	M.M	
1	ISSUE FOR DA APPLICATION	M.S	27.06.22	D.K	

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ARCHITECTURE



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APPROVED	M.S	DATE
CHECKED	M.S	DATE
DESIGNED BY	D.K	
DRAWN BY	D.K	
CAD FILE	H:\7330 643-651 Hunter Street Newcastle\Acad\Current Drawing\GWA\7330-01-020 WASTE MANAGEMENT PLAN.dwg	
SCALE	AS SHOWN	SHEET No.

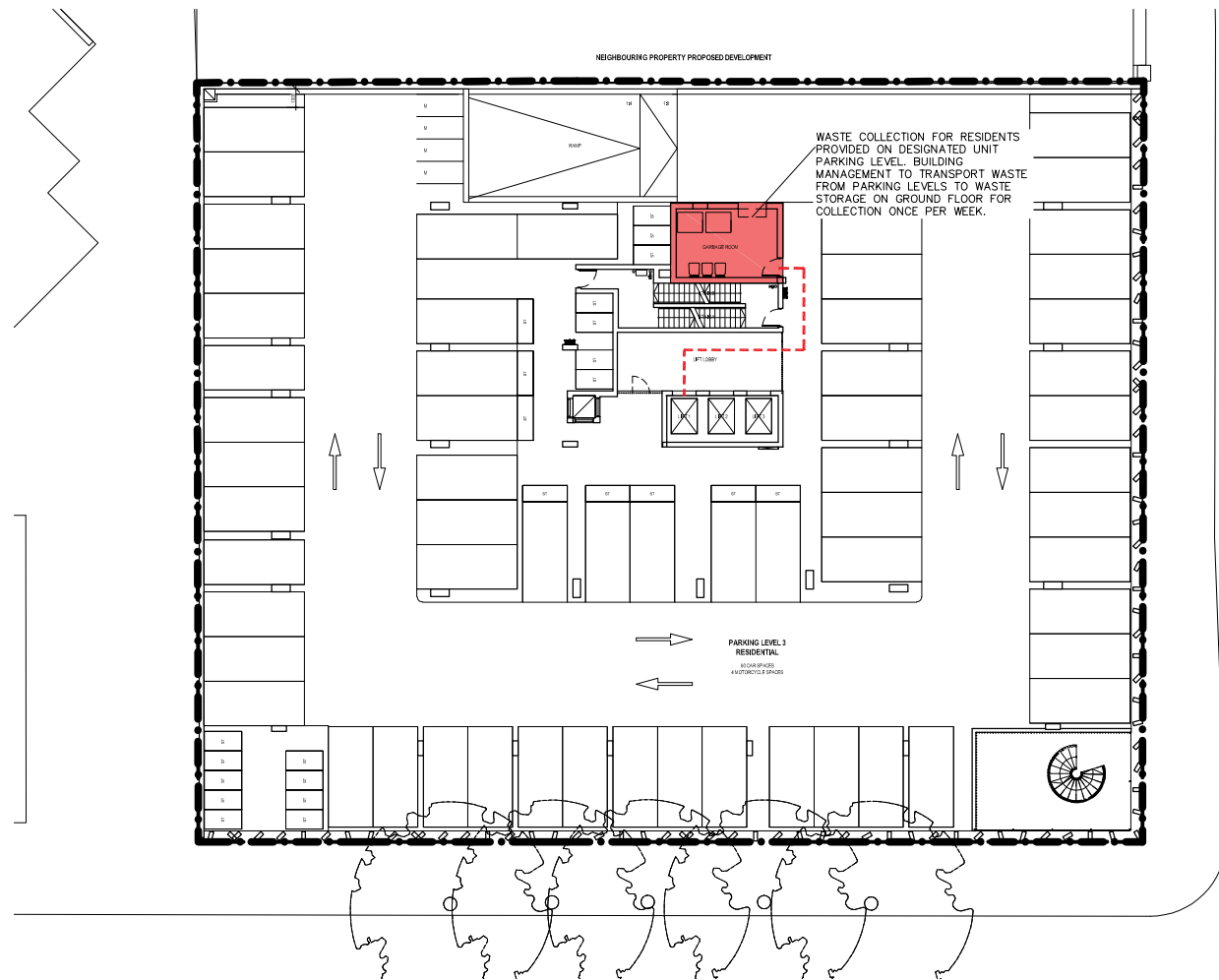
WATERVUE
643-651 HUNTER STREET
NEWCASTLE

DRAWING TITLE
WASTE MANAGEMENT PLAN

PROJECT No. 7330-01	DRAWING No. 020	AMDT 2
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No.	AMENDMENT	APPROVED	DATE	AMENDED BY	ARCHITECT	CLIENT	 	
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LEVEL 3 GARBAGE ROOM LOCATION
SCALE 1:200 AT A1

WASTE MANAGEMENT PLAN

LEGEND

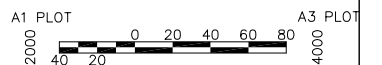


DENOTES GENERAL WASTE
HOPPER
DENOTES RECYCLING
HOPPER
DENOTES FOGO WASTE
HOPPER

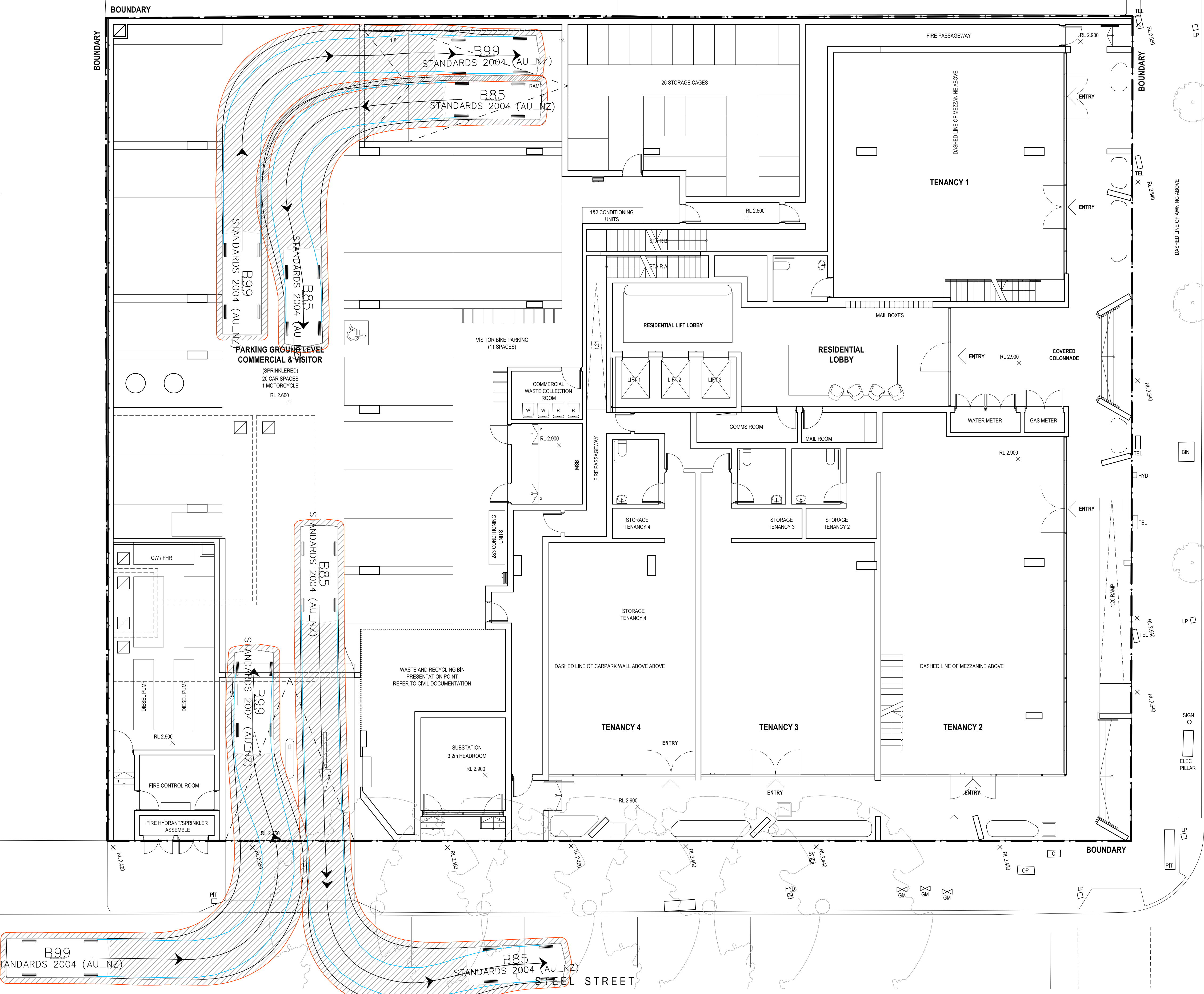
DENOTES PATH OF TRAVEL



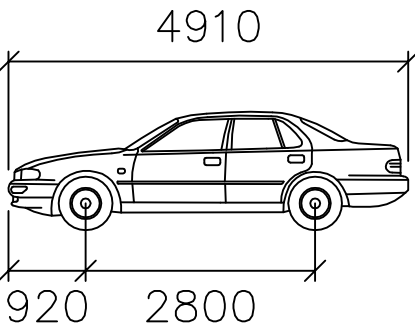
DENOTES GARBAGE ROOM



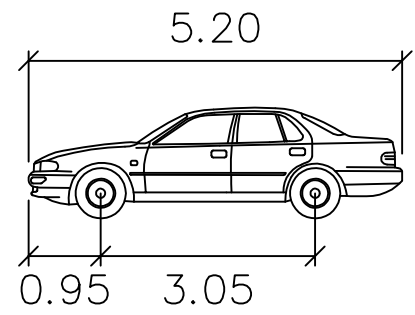
No.	AMENDMENT	APPROVED	DATE	AMENDED BY	ARCHITECT	CLIENT	PROJECT	DRAWING TITLE	PROJECT No.	DRAWING No.	AMDT
1	ISSUE FOR DA APPLICATION	M.S	29.09.22	M.M.	STEWART ARCHITECTURE	BL OC	INDESCO CANBERRA SYDNEY WOLLONGONG www.indesco.com.au	WATERVUE 643-651 HUNTER STREET NEWCASTLE	7330-01	022	1



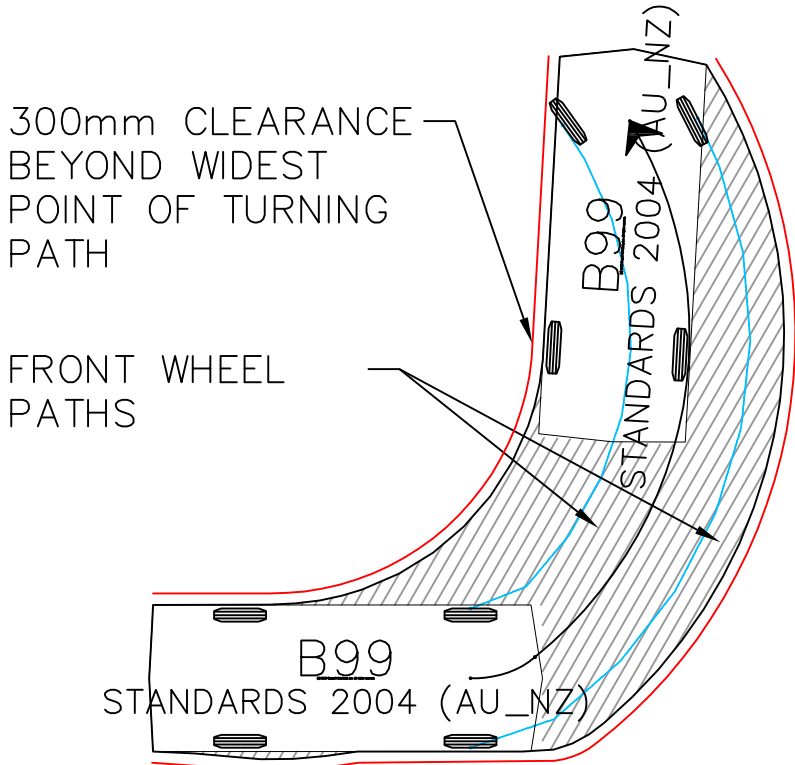
LEGEND



B85
mm
Width : 1870
Track : 1770
Lock to Lock Time : 6.0
Steering Angle : 34.1

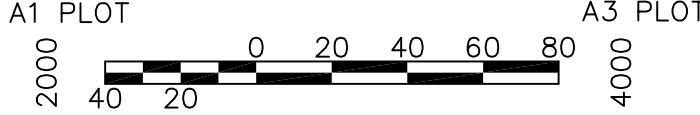


B99
meters
Width : 1.94
Track : 1.84
Lock to Lock Time : 6.0
Steering Angle : 33.9



TURNING TEMPLATES B85 TURNS

B85 PASSING B99, B85 ENTERING AND EXITING
SCALE 1:100 AT A1



No.	AMENDMENT	APPROVED	DATE	AMENDED BY	ARCHITECT
1	ISSUE FOR DA APPLICATION	M.S	27.06.22	D.K	

STEWART
ARCHITECTURE

CLIENT

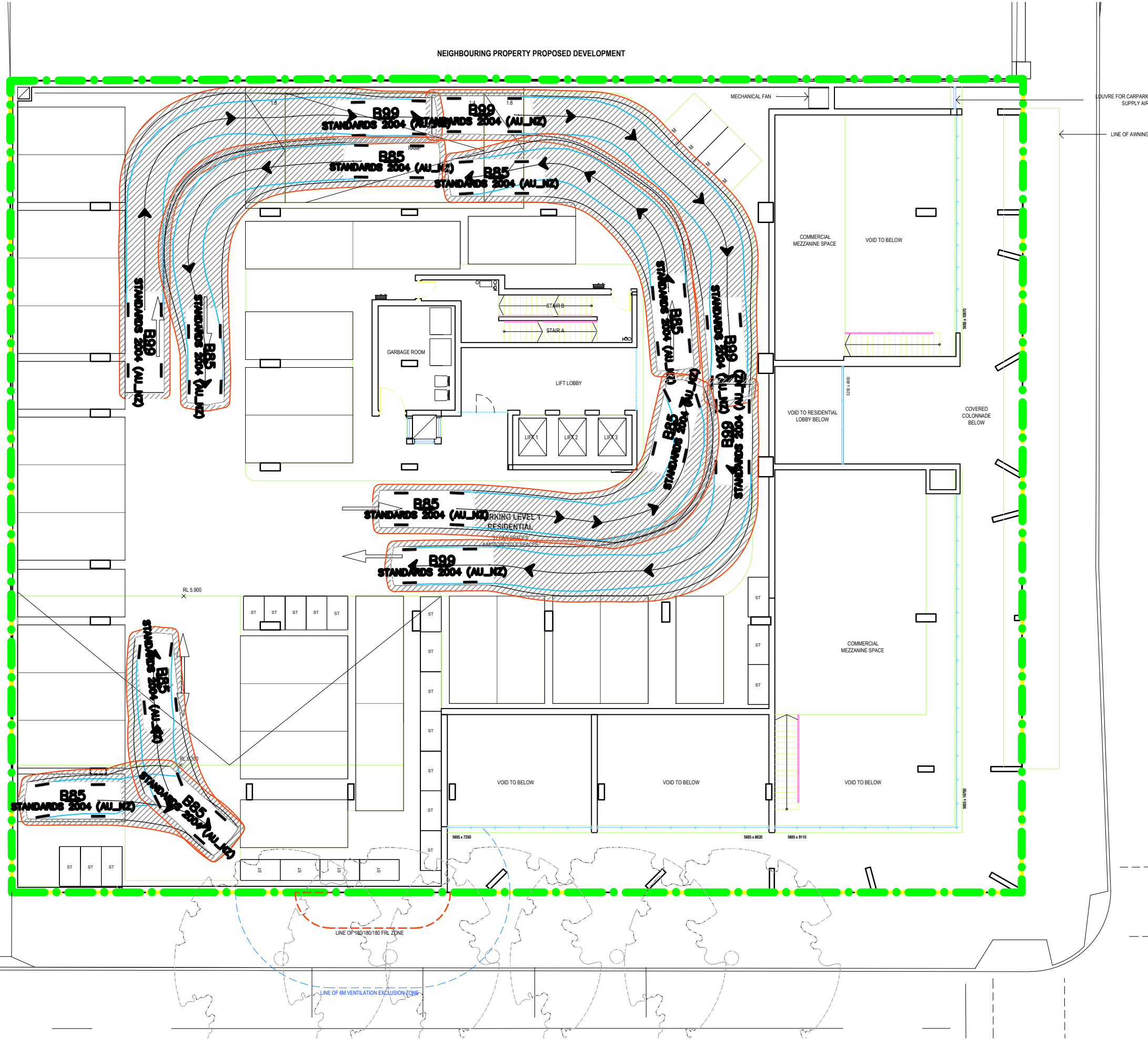
INDESCO
CANBERRA | SYDNEY | WOLLONGONG
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CONSULT AUSTRALIA
dics
dics
dics
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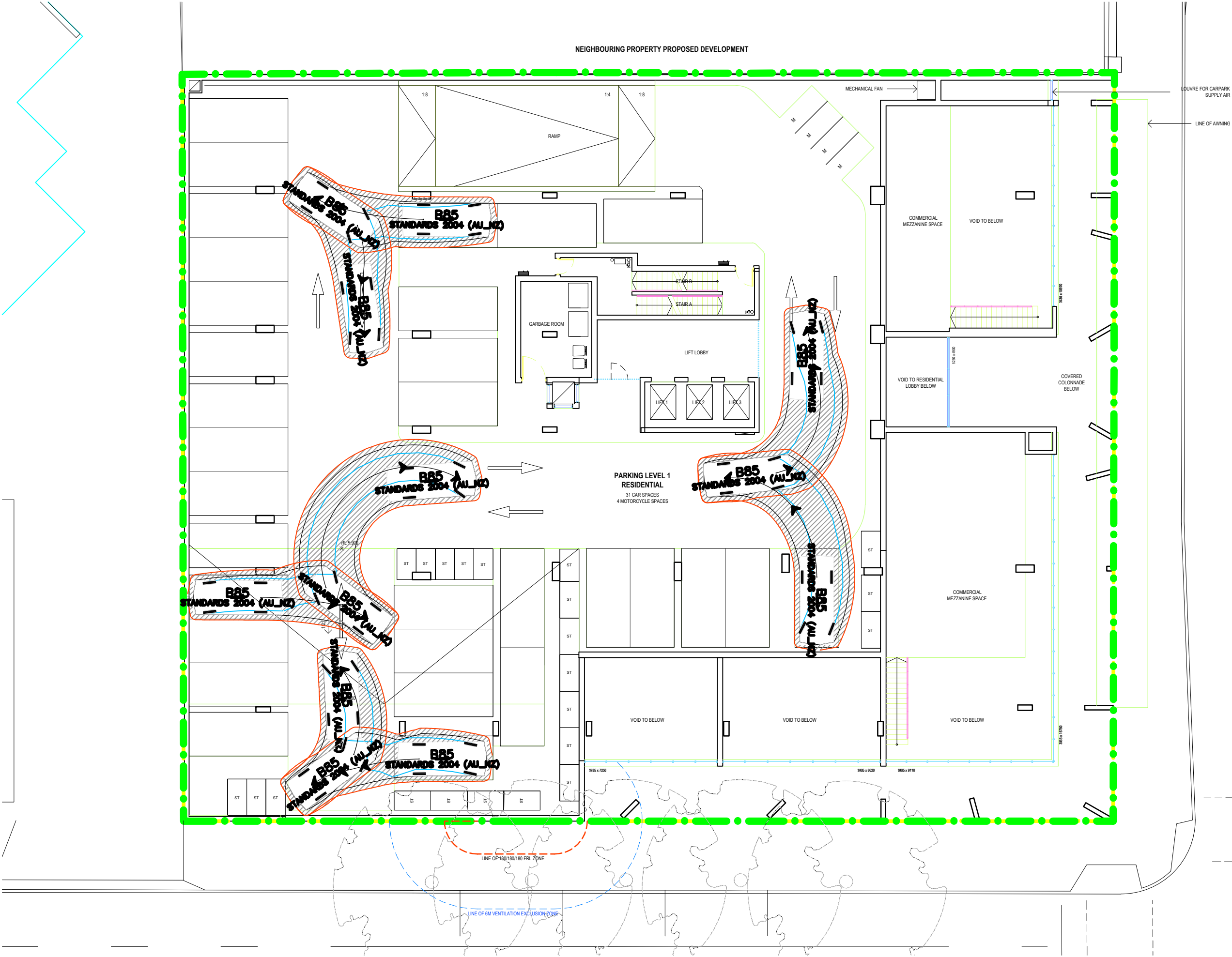
APPROVED	M.S	DATE
CHECKED	M.S	DATE
DESIGNED BY	D.K	
DRAWN BY	D.K	
CAD FILE	H:\7330 643-651 Hunter Street Newcastle\Acad\Current Drawing\DWG\7330-01-030 GROUND FLOOR SWEEP PATH.dwg	
SCALE	AS SHOWN	SHEET No.

PROJECT
WATERVUE
643-651 HUNTER STREET
NEWCASTLE

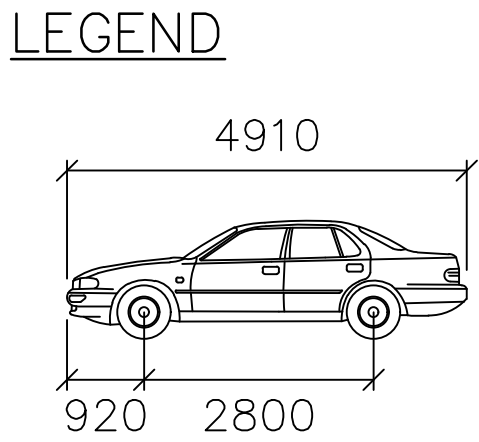
DRAWING TITLE		
GROUND FLOOR SWEPT PATH ANALYSIS		
PROJECT No. 7330-01	DRAWING No. 030	AMDT 1



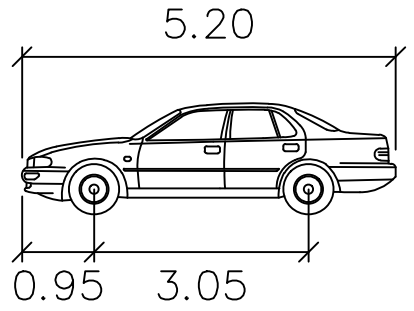
B85 PASSING B99
SCALE 1:200 AT A1



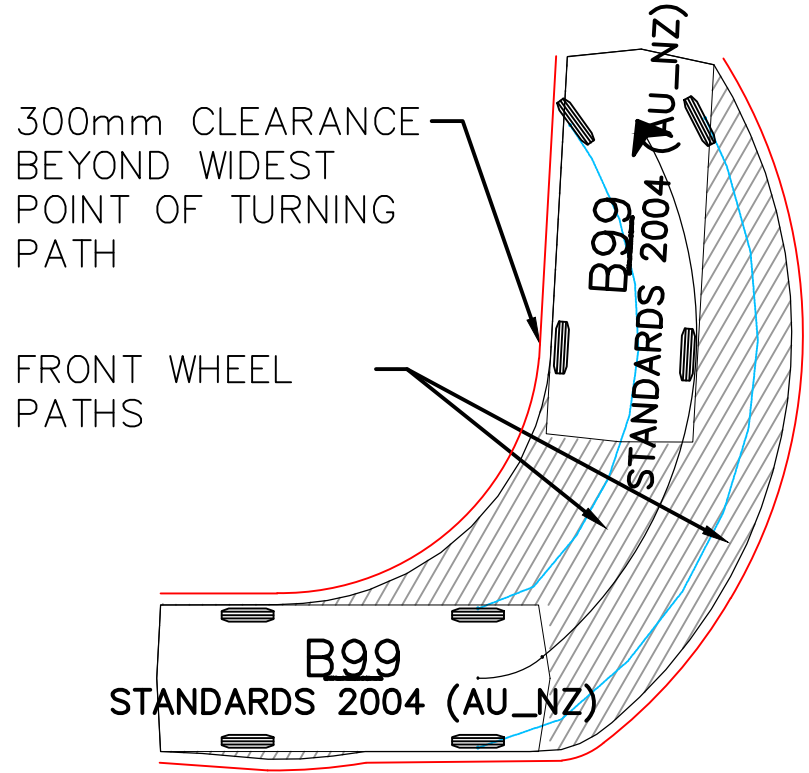
B85 ENTERING AND EXITING SPACES
SCALE 1:200 AT A1



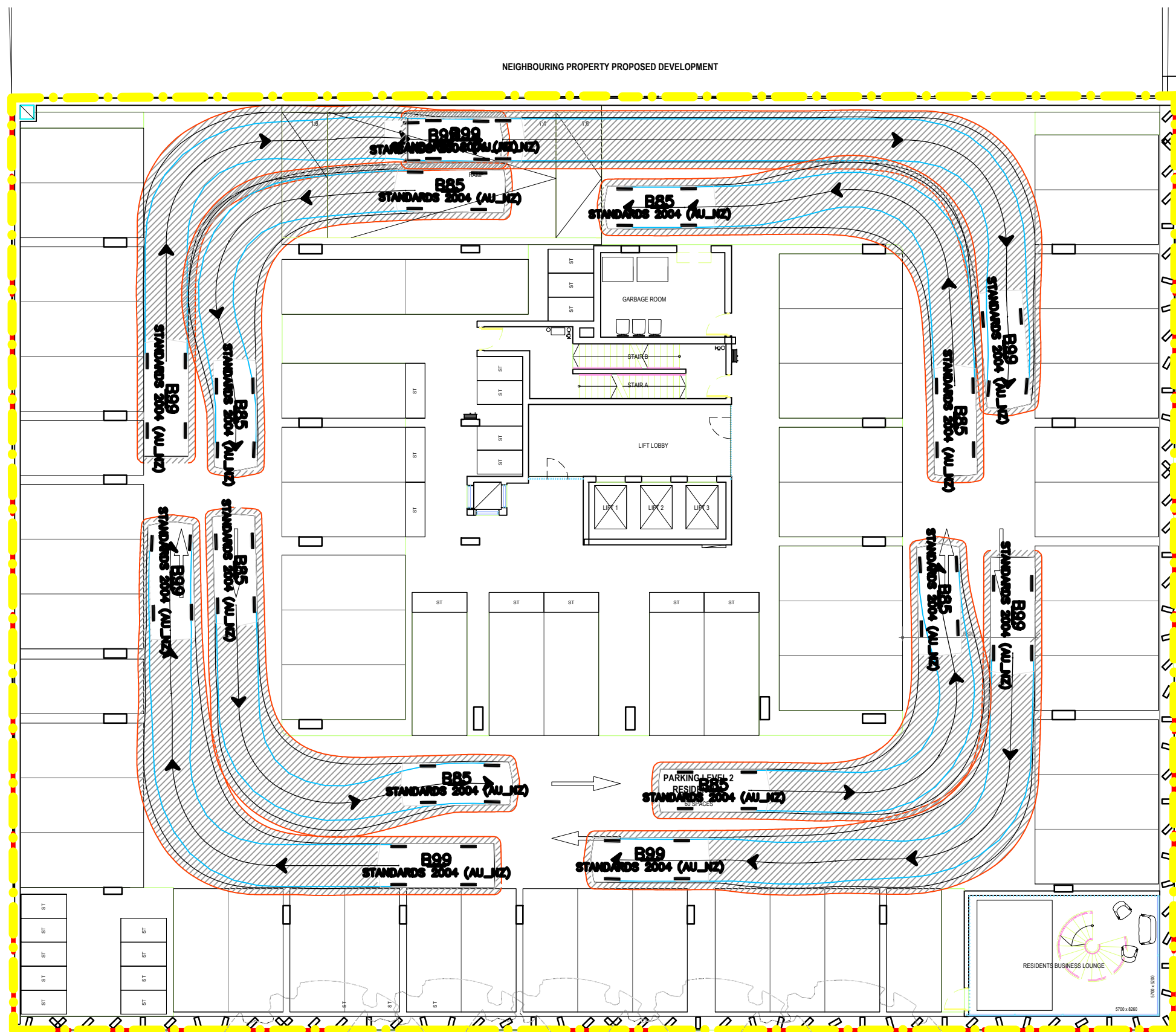
B85
mm
Width : 1870
Track : 1770
Lock to Lock Time : 6.0
Steering Angle : 34.1



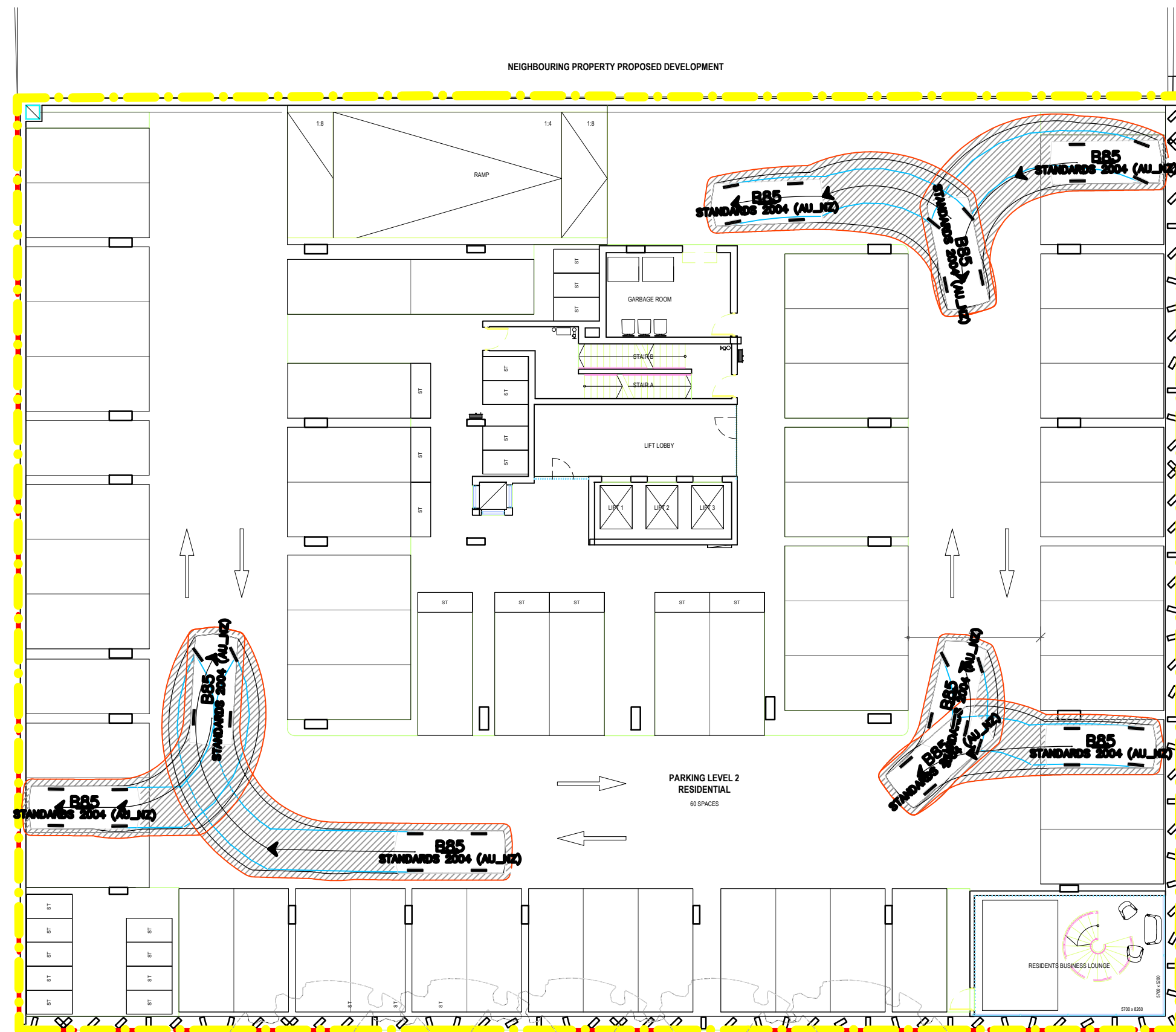
B99
meters
Width : 1.94
Track : 1.84
Lock to Lock Time : 6.0
Steering Angle : 33.9



TURNING TEMPLATES B85 TURNS

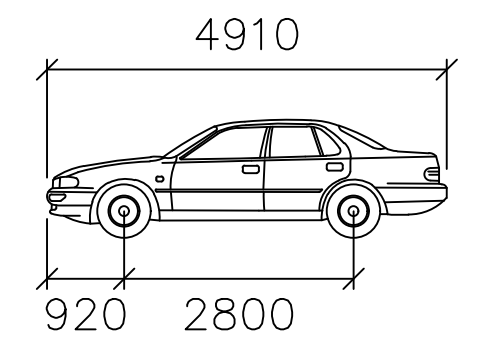


B85 PASSING B99
SCALE 1:200 AT A1



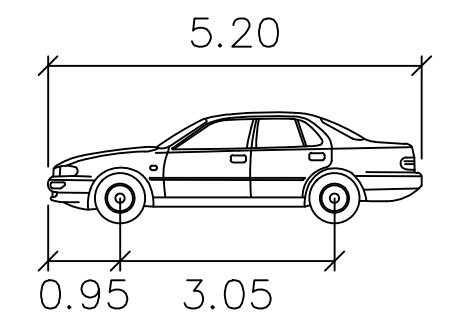
B85 ENTERING AND EXITING SPACES
SCALE 1:200 AT A1

LEGEND



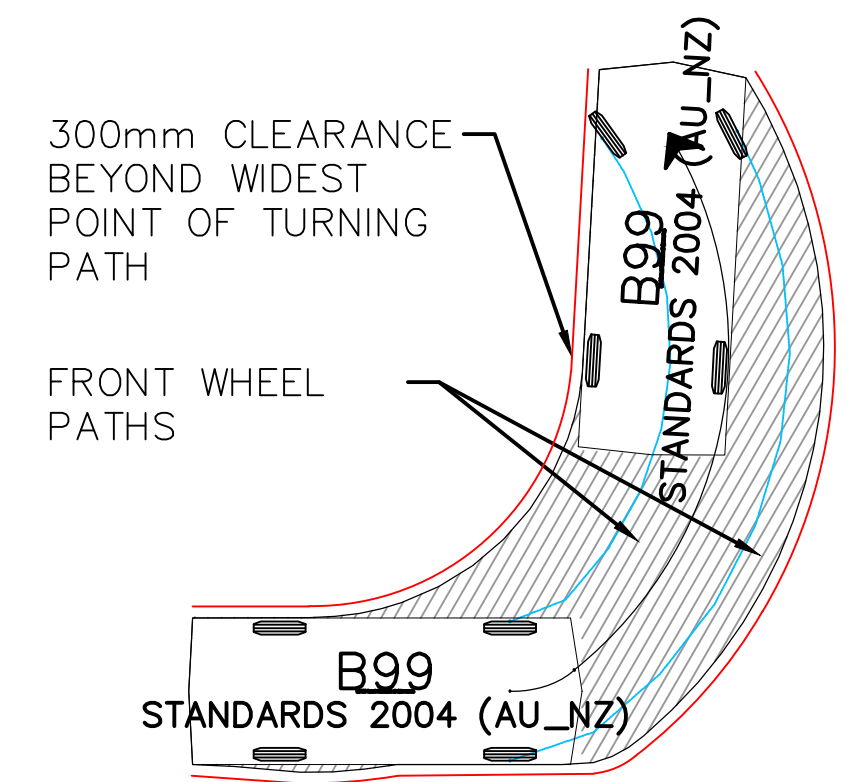
B85

mm
Width : 1870
Track : 1770
Lock to Lock Time : 6.0
Steering Angle : 34.1



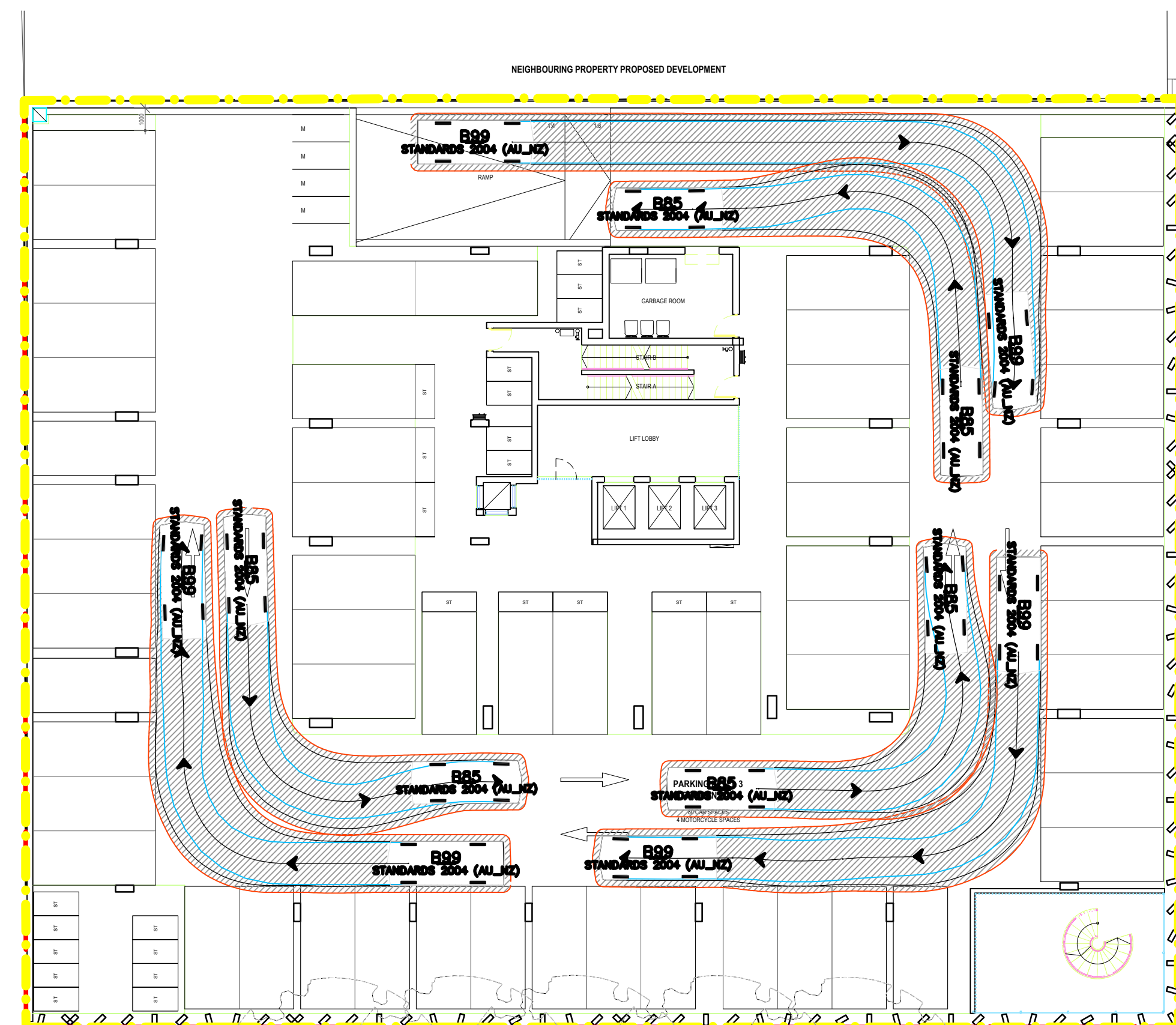
B99

meters
Width : 1.94
Track : 1.84
Lock to Lock Time : 6.0
Steering Angle : 33.9

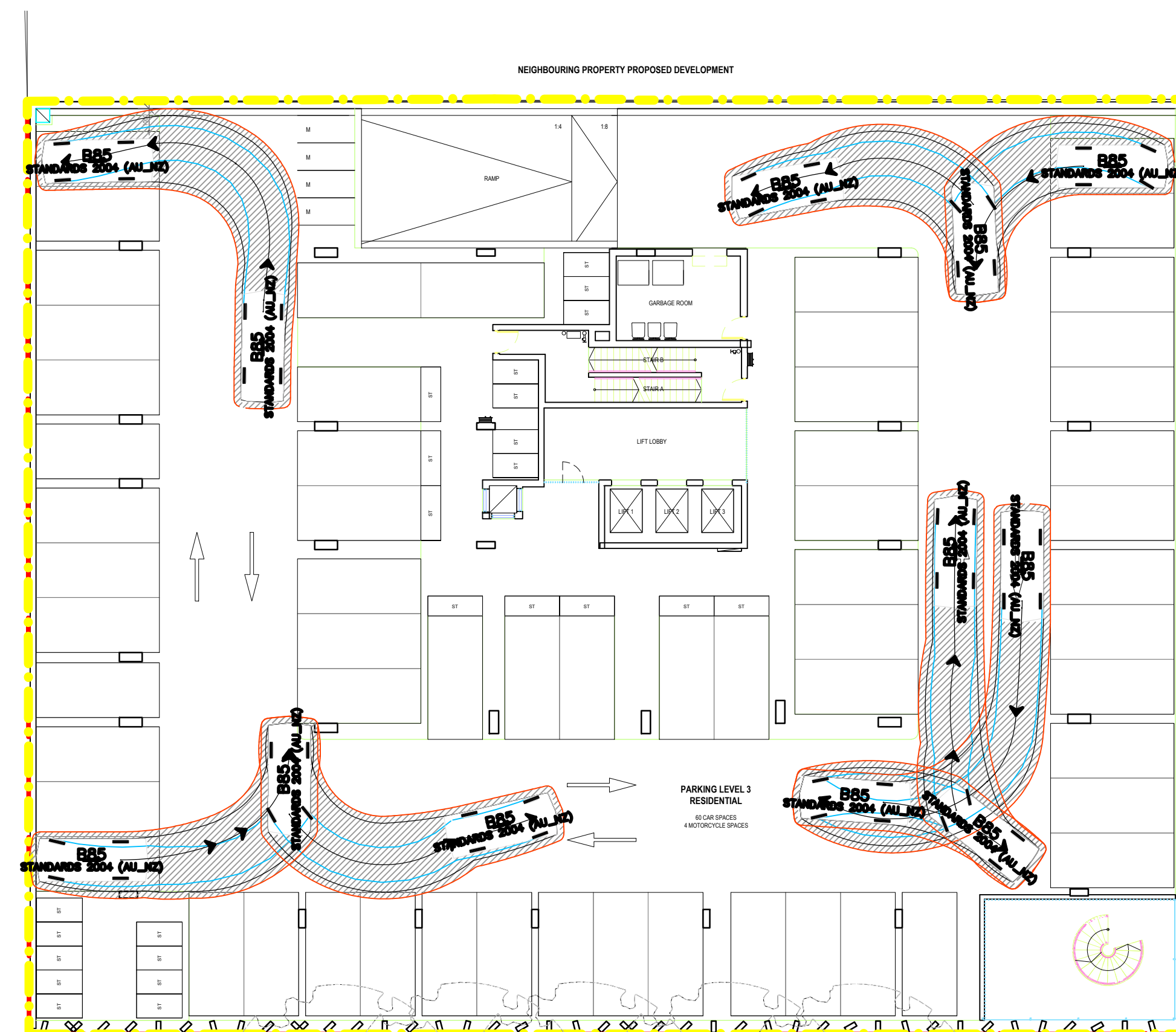


TURNING TEMPLATES B85 TURNS

No.	AMENDMENT	APPROVED	DATE	AMENDED BY	ARCHITECT	CLIENT	PROJECT	DRAWING TITLE	PROJECT No.	DRAWING No.	AMDT
1	ISSUE FOR DA APPLICATION	M.S.	27.06.22	D.K.	STEWART ARCHITECTURE	BL OC	WATERVUE 643-651 HUNTER STREET NEWCASTLE	LEVEL 2 SWEPT PATH ANALYSIS	7330-01	032	1

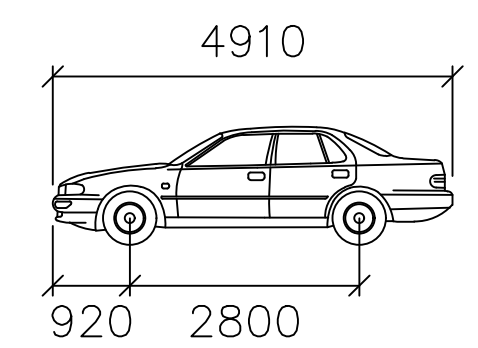


B85 PASSING B99
SCALE 1:200 AT A1



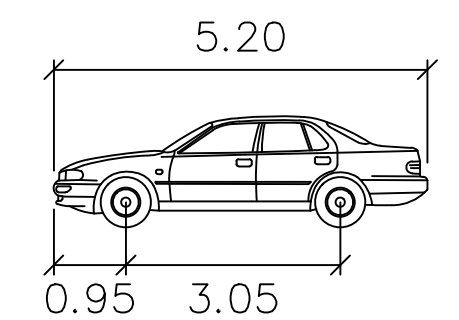
B85 ENTERING AND EXITING SPACES
SCALE 1:200 AT A1

LEGEND



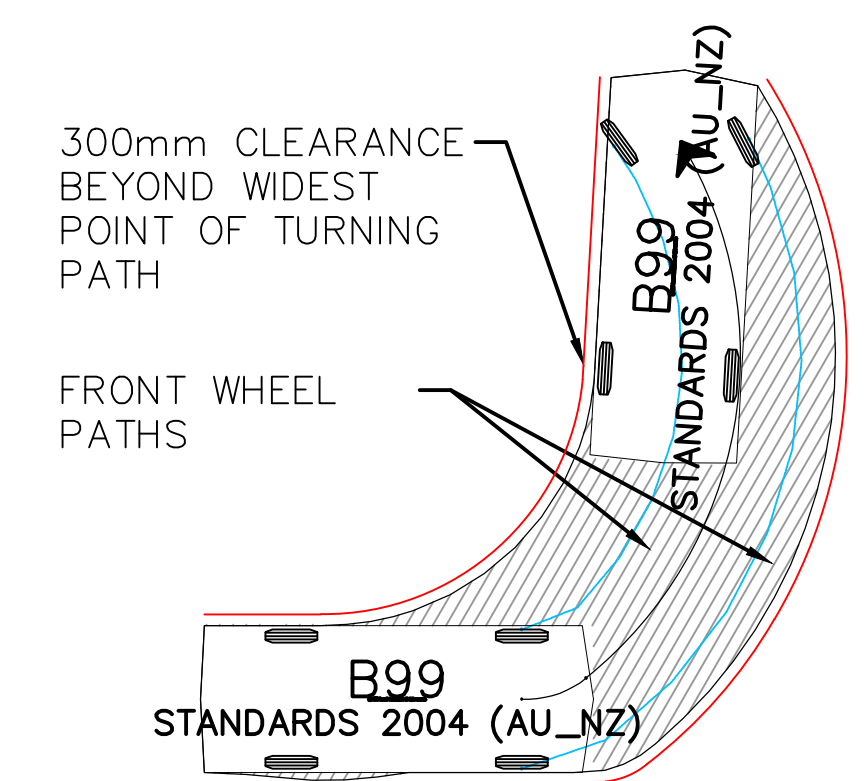
B85

	mm
Width	: 1870
Track	: 1770
Lock to Lock Time	: 6.0
Steering Angle	: 34.1



B99

	meters
Width	: 1.94
Track	: 1.84
Lock to Lock Time	: 6.0
Steering Angle	: 33.9

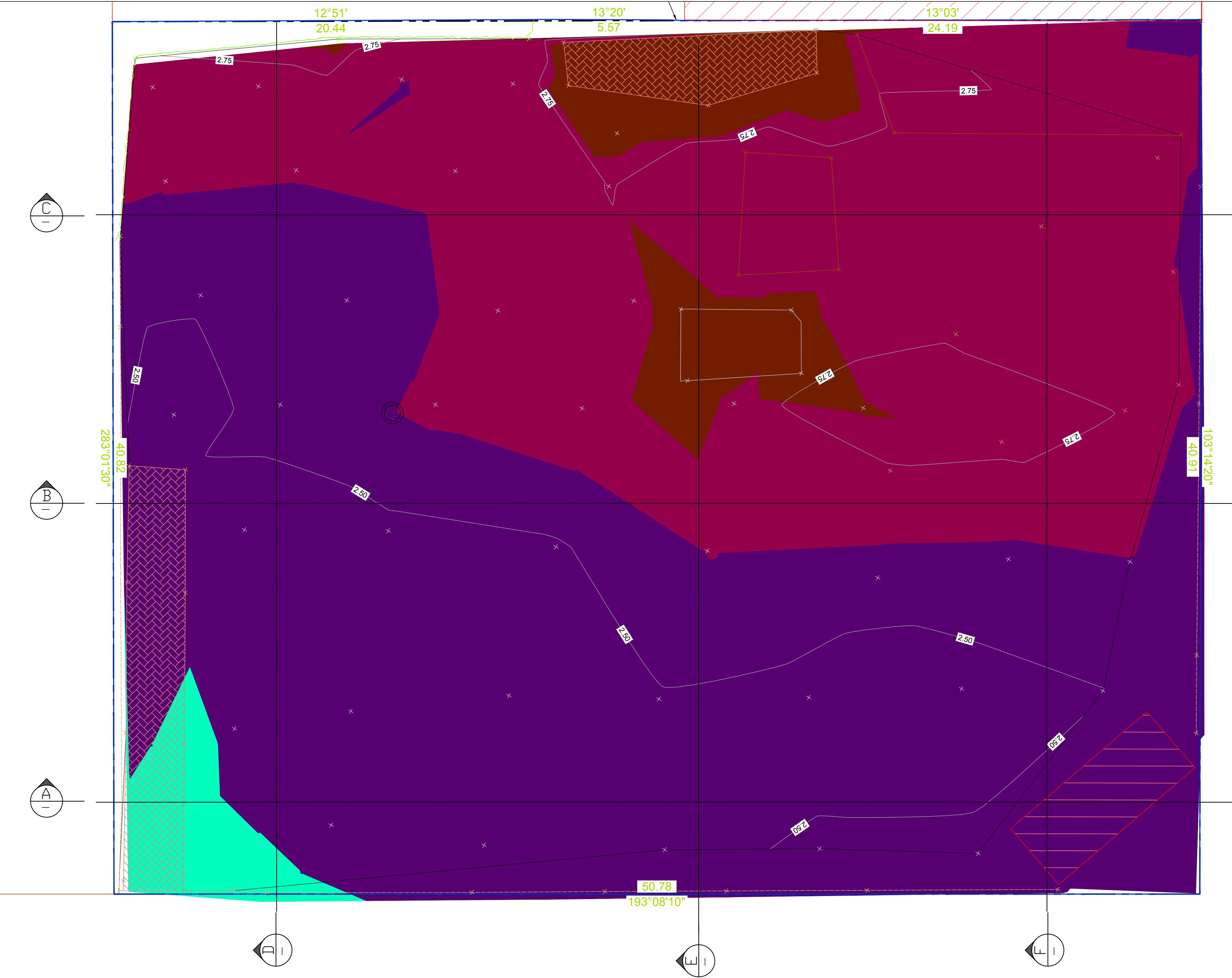


FRONT WHEEL PATHS

B99
STANDARDS 2004 (AU_NZ)

TURNING TEMPLATES B85 TURNS

No.					AMENDMENT					APPROVED		DATE		AMENDED BY		ARCHITECT		CLIENT		PROJECT					DRAWING TITLE									
																		STEWART ARCHITECTURE		BL OC		INDESCO CANBERRA SYDNEY WOLLONGONG www.indesco.com.au					CONSULT AUSTRALIA ISO 9001 ISO 14001					DRAWING TITLE LEVEL 3 SWEPT PATH ANALYSIS		
APPROVED					M.S					DATE																								
CHECKED					M.S					DATE																								
DESIGNED BY					D.K																													
DRAWN BY					D.K																													
CAD FILE IN:					V7330 643-651 Hunter Street Newcastle Vlocat/Current Drawings/Vlocat/V7330-01-033 LEVEL 3 SWEEP PATH.dwg																													
SCALE					AS SHOWN					SHEET No.										PROJECT No. 7330-01			DRAWING No. 033			AMOUNT 1								
1					ISSUE FOR DA APPLICATION					M.S		27.06.22		D.K																				



PRE-DEVELOPMENT PMF STORAGE

FILL DEPTHS		Colour
Lower_value	Upper_value	
0	to 0.2	
-0.2	to 0	
-0.4	to -0.2	
-0.6	to -0.4	
-0.8	to -0.6	
-1	to -0.8	
-1.2	to -1	
-1.4	to -1.2	
-1.6	to -1.4	
-1.8	to -1.6	
-2	to -1.8	

SITE PMF VOLUME CALCULATION
EXISTING SITE VOLUME = 3220m³ - PMF RL 4.2AHD

No.	AMENDMENT	APPROVED	DATE	AMENDED BY
1	ISSUE FOR DA APPLICATION	M.S	27.06.22	D.K

ARCHITECT

STEWART
ARCHITECTURE

CLIENT

BL
OC

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DISAS

DISAS

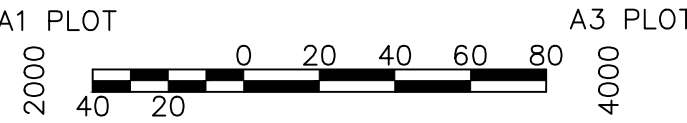
APPROVED	M.S	DATE
CHECKED	M.S	DATE
DESIGNED BY	D.K	
DRAWN BY	D.K	
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SCALE	AS SHOWN	SHEET No.

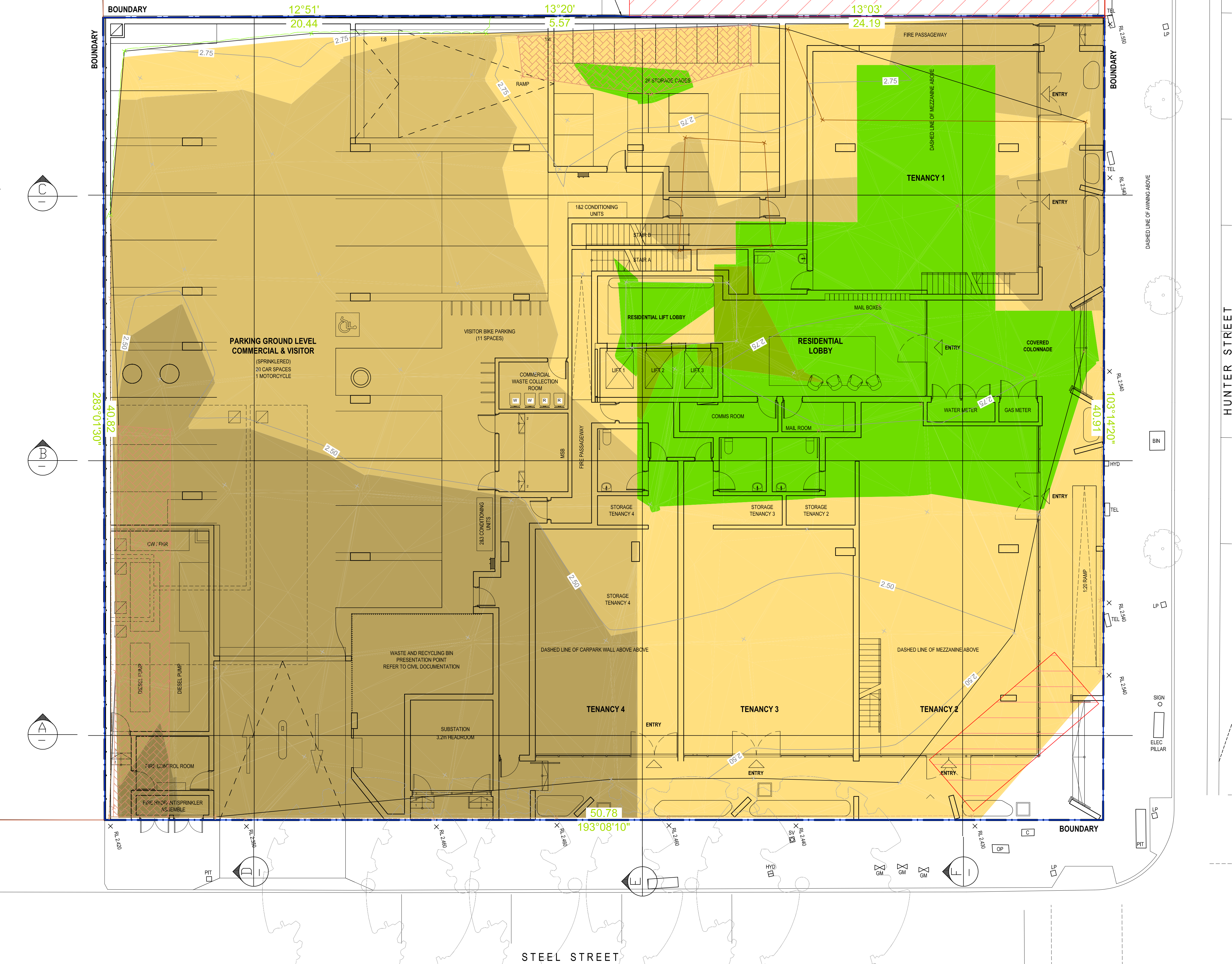
PROJECT

WATERVUE

643-651 HUNTER STREET
NEWCASTLE

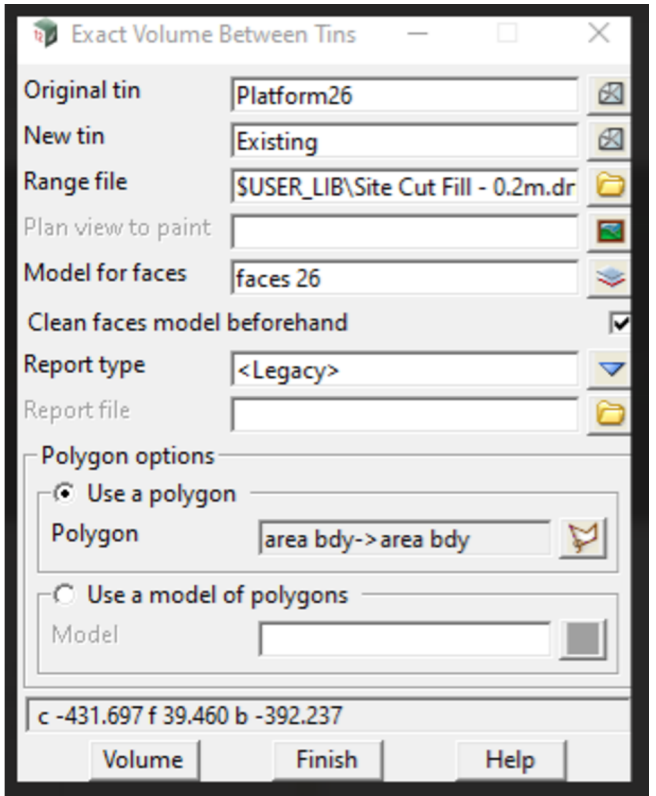
DRAWING TITLE		
PRE-DEVELOPMENT PMF STORAGE DEPTHS		
PROJECT No. 7330-01	DRAWING No. 040	AMDT 1





POST-DEVELOPMENT PMF STORAGE

FILL DEPTHS			
Lower_value	Upper_value		Colour
0	to 0.2		
-0.2	to 0		
-0.4	to -0.2		
-0.6	to -0.4		
-0.8	to -0.6		
-1	to -0.8		
-1.2	to -1		
-1.4	to -1.2		
-1.6	to -1.4		
-1.8	to -1.6		
-2	to -1.8		



SITE PMF VOLUME CALCULATION

EXISTING SITE VOLUME = 3220m³ – PMF RL 4.2AHD
ALLOWABLE SITE REDUCTION (PROPOSED DEVELOPMENT) = 20%
ALLOWABLE DEVELOPMENT FILL VOLUME = 644m³
PROPOSED DEVELOPMENT FILL VOLUME = 431.7m³

No.	AMENDMENT	APPROVED	DATE	AMENDED BY	ARCHITECT
1	ISSUE FOR DA APPLICATION	M.S	27.06.22	D.K	

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ARCHITECTURE

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APPROVED M.S DATE

CHECKED M.S DATE

DESIGNED BY D.K

DRAWN BY D.K

CAD FILE H:\7330 643-651 Hunter Street Newcastle\A\041\Current Drawing\DWG\7330-01-041 POST CONSTRUCTION PMF STORAGE.dwg

SCALE AS SHOWN

SHEET No.

PROJECT

WATERVUE

643-651 HUNTER STREET

NEWCASTLE

DRAWING TITLE

POST-DEVELOPMENT
PMF STORAGE DEPTHS

PROJECT No. 7330-01

DRAWING No. 041

AMDT 1



A1 PLOT

40 20

0 20 40 60 80

A3 PLOT

4000



No.				AMENDMENT				APPROVED		DATE		AMEND BY		ARCHITECT		CLIENT		INDESCO CANBERRA SYDNEY WOLLONGONG www.indesco.com.au CONSULT AUSTRALIA DILCA ISO 9001 REGISTERED DILCA ISO 14001 REGISTERED				PROJECT				DRAWING TITLE				PROJECT No.		DRAWING No.		AMDT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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