

REF: 22381- RESPONSE TO COUNCIL RFI

YOUR REF:

4/10/2023

The General Manager
Byron Shire Council
PO Box 219
MULLUMBIMBY, NSW 2482

Re: Council RFI Letter for DA No. 10.2022.371.1 dated 23 December 2022

This office has been engaged by Mr Chris Vitale to address the Item 3 of Council RFI letter dated 23 December 2022 for the proposed residential flat building development comprising of twenty-six (26) dwellings for Development Application No. 10.2022.371.1 for land parcels on Lot 1 on DP 582819, Lots 8 & 9 on Section 52, DP 758207, Lot 7, 8 & 9 on DP 841611, Lots 11 & 12 on DP 1138310 and Lot 1 on DP 780935.

This letter will address the following as requested by Council under the item 3 of the RFI letter:

- Internal Access and Manoeuvring

1.1 Internal Access and Manoeuvring RFI

Item 3 Internal access and Manoeuvring of the RFI stated that *“Waste collection and basement ramp; the proposed ramp grade of 1:4.2 exceeds the maximum grade of 1:6.5 and maximum rate of change of grade in AS2890 to cater for the design vehicle greater than B99 (SUV & Other 4 x 4 Vehicles). The height of a mini rear lift private waste collection vehicle is 4.3m. However the available Floor to ceiling height (headroom) is 3.2m. There is therefore insufficient headroom in the circulation road way in the basement to accommodate a mini rear lift waste collection truck. Further, the proposed waste collection vehicle is a non-standard vehicle. The turning circles applied in the manoeuvring analysis needs to be verified. The adopted wall to wall turning circle, based on the collection vehicle dimensions is smaller than the turning radius of a B85 vehicle (e.g. Mazda 2) and the proposed design entry movement utilises the indented parking bays in Milton St. Overall a manoeuvring analysis cannot be verified using the information currently provided in the DA.*

1.2 GAA Comments on Internal Access and Manoeuvring

The waste collection vehicle to service the development is a non-standard waste collection vehicle supplied by Richmond Waste. The overall dimension of the waste collection has provided by the supplier and is attached to this letter and it can be seen in the Appendix J of GAA traffic impact statement report titled “22381-TIS-E. A letter of confirmation of the vehicle dimension from the supplier is also attached to this letter.

The height of the mini rear private waste vehicle is 2.85m. The headroom (floor to ceiling height) is 3.2m. There is sufficient headroom for the private waste vehicle in the circulation roadway in the basement.

The waste collection vehicle was modelled using AutoTURN software based on the dimensions provided by the supplier. The turning circles for the custom waste collection vehicle is attached to the letter. The turning radius is bigger than a B85 as can be seen in the attached. It is also noted that a B85 is described by AS2890 as a Ford Falcon sedan, which is significantly larger than a Mazda 2 vehicle.

A B85 and B99 vehicle vertical template was also checked on the proposed ramp grade, no vehicle bottoming on the grade.

The vertical and horizontal clearance of the custom waste collection vehicle was checked for the access driveway and underground parking circulation clearance. The custom waste vehicle did not clash with any

structure. The result of the analysis is contained in Appendix J of GAA traffic impact statement report titled “22381-TIS-E” and also attached to this letter.

2.0 Conclusion

The non-standard vehicle waste collection vehicle is 2.85m high. The available headroom (floor to ceiling height) is 3.2m. There is sufficient headroom for the waste vehicle in the circulation roadway in the basement. The turning circle for the non-standard waste collection vehicle has been analysed and the turning radius is greater than a 6.5m turning radius of a B85 vehicle has specified in AS2890. 1.

The vertical and horizontal clearance for the waste collection was check using AutoTURN software. The results reveal the waste collecting vehicle will use the access ramp and circulation roadway without clashing with any structures. The B85 vehicle vertical template shows no bottoming on the proposed ramp. The ramp will be accessible by passenger cars and MRV fire truck without bottoming and there is adequate clearance.

Kind Regards

Sodiq Azeez

Attachments

- **Waste Collection Vehicle Dimension Confirmation Letter**
- **Waste Vehicle Dimension**
- **Turning Circle of the Waste Collecting Vehicle**
- **Turning Circle of the Waste Collection Vehicle compared to a B85 Vehicle**
- **Circulation of the Waste Vehicle in the underground parking**
- **Vertical template of the Waste Collection Vehicle**
- **Vertical template of B85 and B99 Vehicle**
-

Allison Reiser

From: Tony Martin <tony.martin@solo.com.au>
Sent: Thursday, 2 March 2023 9:39 AM
To: 'Allison Reiser '
Subject: RE: Waste Servicing for proposed development in Shirley St, Byron Bay

Hi Allison

Yes, we will be able to service the proposed development at 29 Shirley St & 2-4 Milton Ave, Byron Bay.
with a mini Rearloader vehicle, via 1100ltr bins,

There is not only this proposed development, but several others that will also require a mini rear loader to service

If you have any questions, please do not hesitate to contact me

Regards



Tony Martin | Sales Representative

tony.martin@solo.com.au | www.richmondwaste.com.au | 02 6621 7431
15 Skyline Road Lismore NSW 2480



100% Locally Owned and Operated

Please consider the environment before printing this e-mail

From: Allison Reiser [<mailto:areiser@mraenvironmental.com.au>]
Sent: Wednesday, 1 March 2023 7:45 PM
To: Tony Martin
Subject: Waste Servicing for proposed development in Shirley St, Byron Bay

CAUTION: This email originated from outside of SOLO. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Hi Tony,

Thank you for previously providing the vehicle specification for the mini rear lift waste collection vehicle proposed for the development located in 29 Shirley St & 2-4 Milton Ave, Byron Bay.

Council is seeking confirmation in writing (return email is suitable) that a waste collection truck with the dimensions shown in the attached vehicle specification sheet is in your fleet and is available to operate in Byron Bay to provide waste services to this development.

The waste services required include:

- 2 x 1100L general waste bulk bins collected one (1) time per week; and
- 2 x 1100L recycling bulk bin collected one (1) time per fortnight.

If you are able to respond this week would be appreciated and if you require any additional information, please feel free to give me a call or email.

Thanks for your assistance.

Regards, Allison.

ALLISON REISER B.App. Sc. (Env Health), Lead Env Auditor
Director & Senior Environmental Consultant



**YOUR
TRUSTED
ENVIRONMENTAL
PARTNER**



T:07 5578 7040 P:PO BOX 480, Robina Q 4226 W:mraenvironmental.com.au

This email and any files transmitted with it are intended solely for the use of the addressee(s) and may contain information that is confidential or subject to legal privilege. If you receive this email and you are not the addressee (or responsible for delivery of the email to the addressee), please note that any copying, distribution or use of this email is prohibited and as such, please disregard the contents of the email, delete the email and notify the sender immediately. Mark Rigby & Associates advise that this email and any attached files should be scanned to detect viruses and accepts no liability for loss or damage (whether caused by negligence or not) resulting from the use of any attached files.

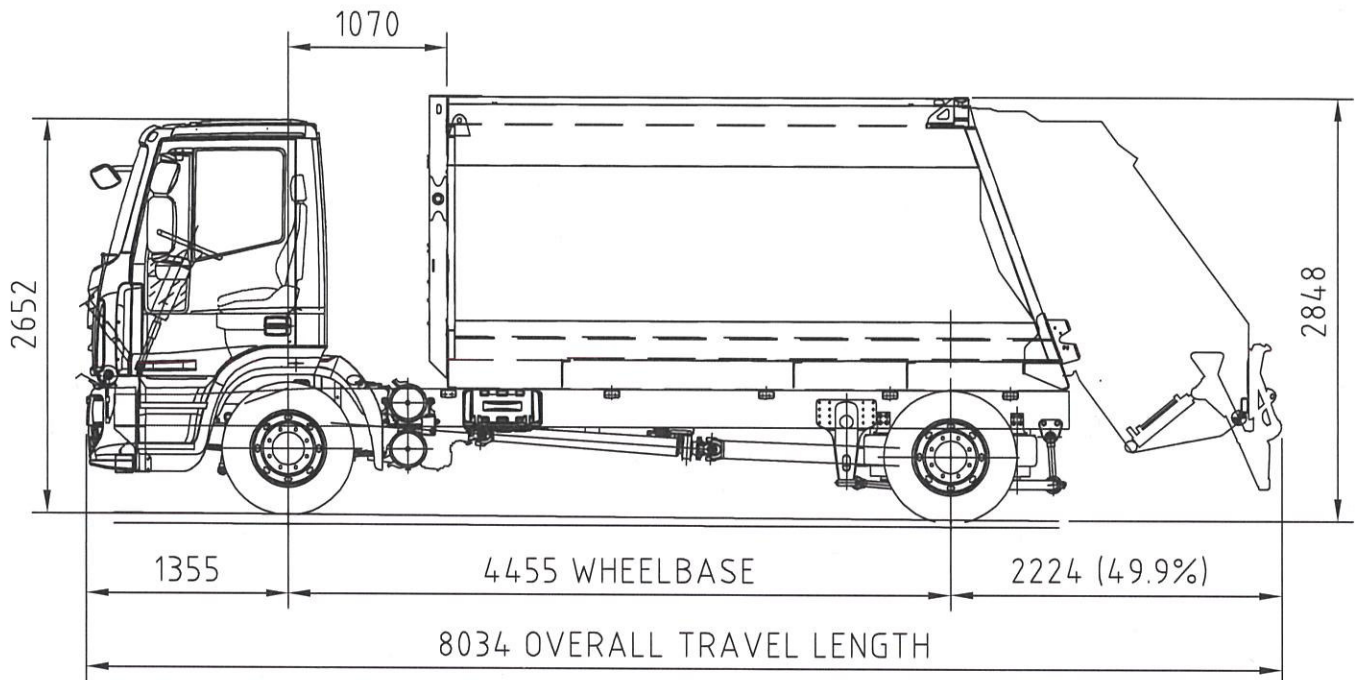
****Please consider the environment before printing this e-mail****

SALES DATA SHEET

ACN 004 992 090

BUCHER
municipal

PRODUCT NAME		DATE	REVISION	SHEET	SD-JS14EJTA-V259
JS REARLOADER		02/06/2020	01	1 OF 1	
PRODUCT CODE	PRODUCT SIZE/CAPACITY	SALES MARKET		PRODUCT FUNCTION VARIATION	
REARLOADER	14m	AUSTRALIA			
BODY OPTIONS					
VEHICLE MAKE		VEHICLE MODEL		AXLE CONFIGURATION	WHEELBASE
IVECO		ML160 E25		4x2	4455 (STD)
CAB/CHASSIS OPTIONS					VCS CODE
AIRBAG SUSP. AUTO TRANS.					2/F4DT1136

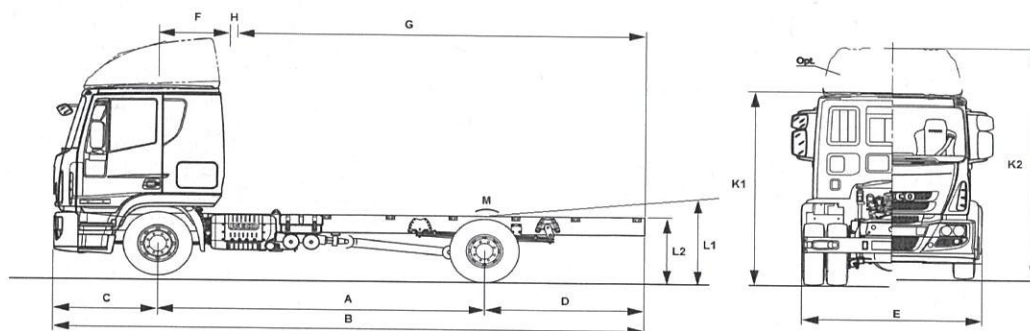


	FRONT (kg)	REAR (kg)	TOTAL (kg)
TRUCK *	3,020	1,800	4,820
JS14 - ECOPACK BODY	561	3,089	3,650
DRIVER	80	0	80
ADD'L 175L FUEL	98	58	156
UNDERBODY BINLIFTER	-125	375	250
TARE	3,634	5,322	8,956
PAYLOAD **	848	3,678	4,527
GROSS	4,482	9,000	13,482
MAX RATED LOAD ***	5,800	9,000	15,000

* TRUCK TARE ESTIMATED FROM TRUCK SPEC SHEETS

** PAYLOAD WEIGHTS ESTIMATED ONLY AND MAY DIFFER

*** PAYLOAD LIMITED BY REAR LEGAL LIMIT



Plated/Design Weight	GVW (Kg)	GTW (Kg)	Front (Kg)	Rear (Kg)
Plated Weight	15990	19490	5800	10900
Design Weight	15990	19490*	6100	11000

* A GTW of 32500kgs is permissible provided a 9 or 12 speed gearbox and the drawbar pack are specified
For Front (Kg) axle capacity upgrade – see Order Guide

Kerb Weight

Weights are for the S model to a standard specification and include water, oils, 5 litres of AdBlue and 20 litres of fuel but exclude driver.
Kerb weights are subject to a manufacturing tolerance of +/- 5%.

For /P model add 155kg to the Rear (Kg) axle kerb weight.

A sleeper cab standard roof adds 100kg (70/30kg) to the kerb weight. A high roof sleeper adds 160kg (120/40kg) to the kerb weight.

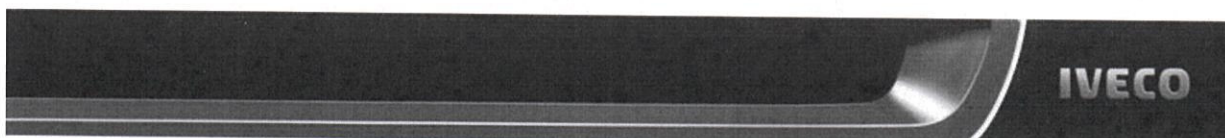
Wheelbase (mm)	3105	3690	4185	4455	4815	5175	5670	6570
Front (Kg)	3092	3112	3137	3147	3182	3192	3227	3262
Rear (Kg)	1418	1498	1503	1508	1543	1553	1638	1693
Total (Kg)	4510	4610	4640	4655	4725	4745	4865	4955
Maximum Body/Payload (Kg) @ GVW	11480	11380	11350	11335	11265	11245	11125	11035

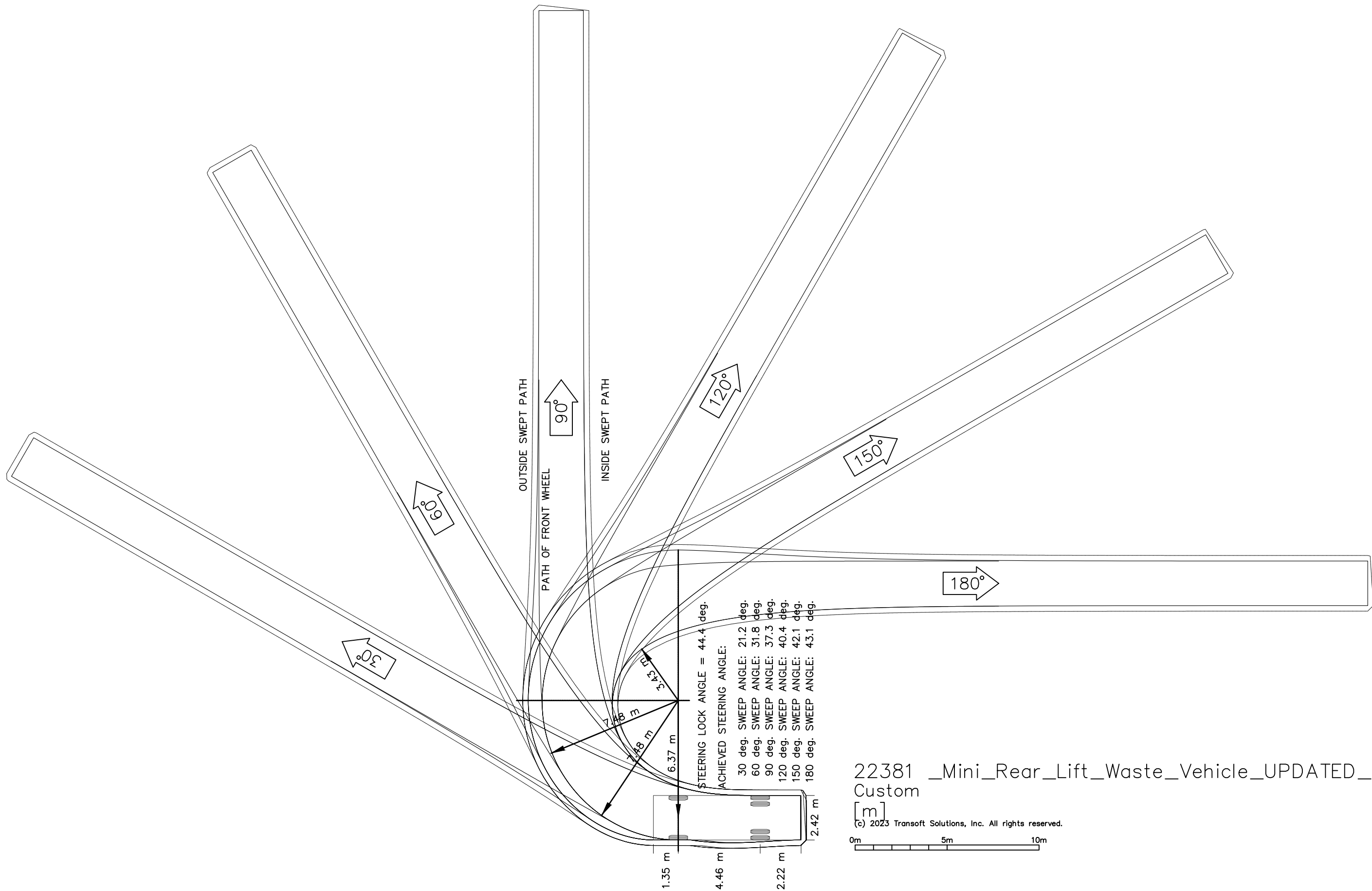
Dimensions (mm)

A	Wheelbase	3105	3690	4185	4455	4815	5175	5670	6570
B	Overall length (over bumpers)	5690	6702	7512	7917	8547	9132	9942	11447
C	Front overhang	1362	1362	1362	1362	1362	1362	1362	1362
D	Rear overhang	1313	1740	2055	2190	2460	2685	3000	2735
E	Cab width (over wings)	2420	2420	2420	2420	2420	2420	2420	2420
F	C/line f/axle to back of cabequip	385	385	385	385	385	385	385	385
	day	385	385	385	385	385	385	385	385
	sleeper	965	965	965	965	965	965	965	965
G	Usable frame length	3943	4955	5765	6170	6800	7385	8195	9700
	day	3943	4955	5765	6170	6800	7385	8195	9700
	sleeper	4375	5185	5590	6220	6805	7615	9120	
H	Cab gap	120	120	120	120	120	120	120	120
K1	Cab height (unladen*)	2765	2765	2765	2765	2765	2763	2762	2761
	std roof	2765	2765	2765	2765	2765	2763	2762	2761
	high roof	3420	3420	3420	3420	3417	3415	3415	3415
L1	Frame height at centre line of axle	1041	1039	1037	1038	1038	1038	1036	1035
	S	1041	1039	1037	1038	1038	1038	1036	1035
	/P	904	903	903	903	903	903	903	902
L2	Frame height at end of frame	1080	1084	1085	1085	1086	1088	1086	1087
	S	1080	1084	1085	1085	1086	1088	1086	1087
	/P	886	886	886	886	886	886	886	886
M	Wheel bump clearance	150	150	150	150	150	150	150	150
	Turning circle (wall to wall)	12340	14080	15540	16340	17400	18480	19940	22600

* Reduce by 3mm for air suspension models

Tyres and Wheels	Tyre Size		Tread		Wheels (8 stud)	
	Front	Rear	Front	Rear	Front	Rear
Standard	285/70R19.5	285/70R19.5	On Road	Traction	7.50 x 19.5	7.50 x 19.5
Optional	305/70R19.5	305/70R19.5	On Road	Traction	8.25 x 19.5	8.25 x 19.5
Optional	11R22.5	11R22.5	On/Off Road	On/Off Road	7.50 x 22.5	7.50 x 22.5

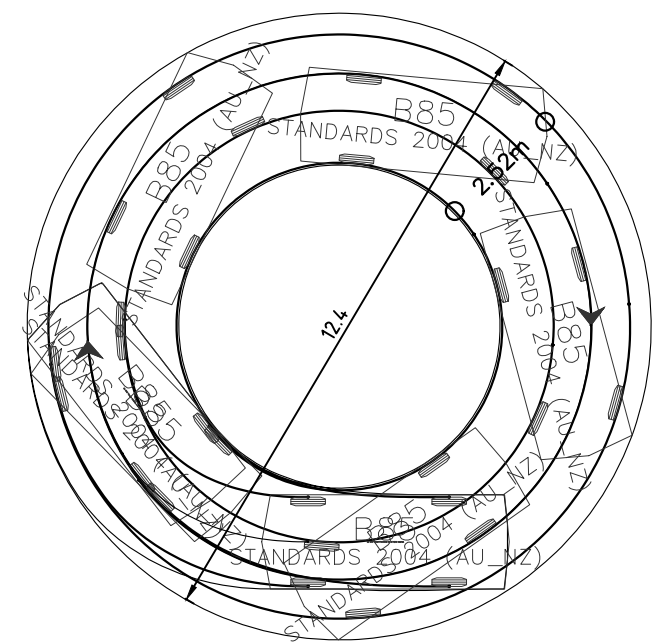
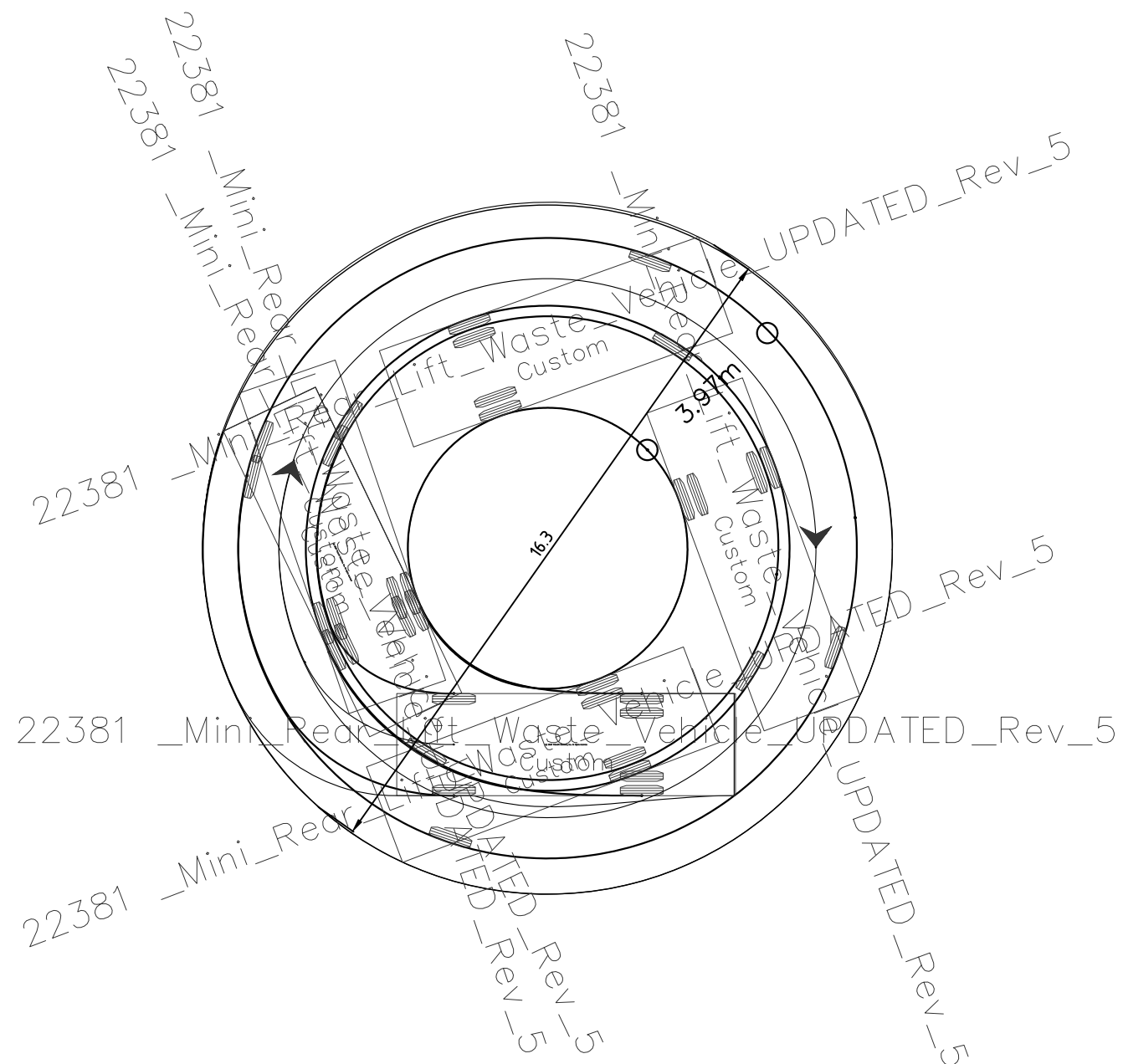




22381 _Mini_Rear_Lift_Waste_Vehicle_UPDATED_Rev_5
Custom
[m]

(c) 2023 Transoft Solutions, Inc. All rights reserved.
0m 5m 10m

REV	REVISION DESCRIPTION	BY	DATE	THIS DRAWING IS CONFIDENTIAL AND IS THE PROPERTY OF GREG ALDERSON AND ASSOCIATES. IT MUST NOT BE DISCLOSED TO A THIRD PARTY, REPRODUCED, COPIED, OR LENT WITHOUT THE WRITTEN CONSENT OF THE PROPRIETOR.	GREG ALDERSON & ASSOCIATES ABN 58 594 160 789 43 Main Street CLUNES NSW 2480 Ph: 02 6629 1552 E: office@aldersonassociates.com.au Web: aldersonassociates.com.au	Client: VITALE PROPERTY GROUP PTY LTD Site address: 29 SHIRLEY STREET BYRON BAY NSW 2481	Title: MINI REAR LIFT WASTE VEHICLE SWEPT PATH TEMPLATE Project: 29 SHIRLEY STREET UNIT DEVELOPMENT	FOR INFORMATION			
A	SWEPT PATH TEMPLATE	AB	23/02/2023					Drawn: AB	Scale: 1:200	Checked:	Date: 23/02/2023
				DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS					Revision: A		
				REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE							
Z:\JOBS\22\22381 - Vitale Property Group - 29 Shirley Street, Byron Bay\CIVIL\CAD\22381-CIV-SP-E - Swept Path Analysis.dwg											



REV	REVISION DESCRIPTION	BY	DATE	THIS DRAWING IS CONFIDENTIAL AND IS THE PROPERTY OF GREG ALDERSON AND ASSOCIATES. IT MUST NOT BE DISCLOSED TO A THIRD PARTY, REPRODUCED, COPIED, OR LENT WITHOUT THE WRITTEN CONSENT OF THE PROPRIETOR.	GREG ALDERSON & ASSOCIATES ABN 58 594 160 789 43 Main Street CLUNES NSW 2480 Ph: 02 6629 1552 E: office@aldersonassociates.com.au Web: aldersonassociates.com.au	Client: VITALE PROPERTY GROUP PTY LTD Site address: 29 SHIRLEY STREET BYRON BAY NSW 2481	Title: PRIVATE WASTE VEHICLE AND B85 TURNING CIRCLE Project: 29 SHIRLEY STREET UNIT DEVELOPMENT	FOR INFORMATION			
A	SWEPT PATH TEMPLATE	AB	23/02/2023					Drawn: AB	Scale: 1:100		Checked: Date: 23/02/2023
								DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS			Revision: A
								REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE			
Z:\J0BS\22\22381 - Vitale Property Group - 29 Shirley Street, Byron Bay\CIVIL\CAD\22381-CIV-SP-F.dwg											



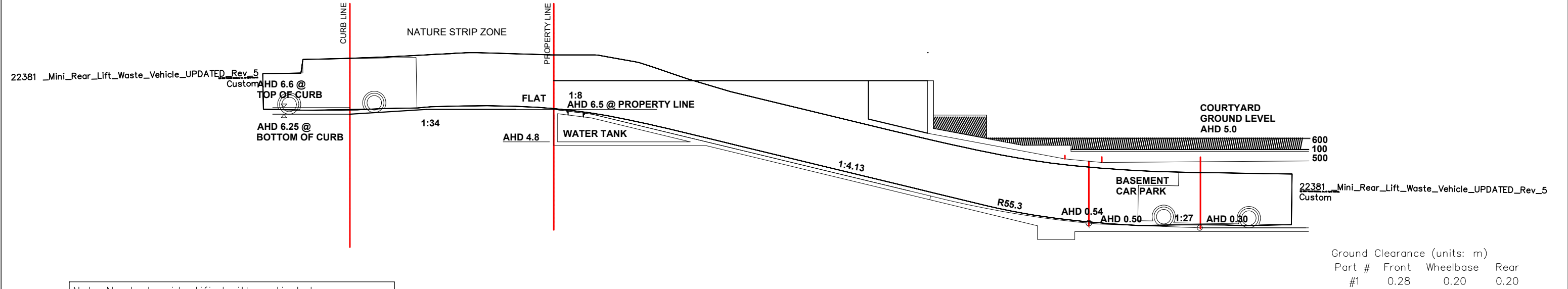
MILTON STREET

SHIRLEY STREET

REV	REVISION DESCRIPTION	BY	DATE	THIS DRAWING IS CONFIDENTIAL AND IS THE PROPERTY OF GREG ALDERSON AND ASSOCIATES. IT MUST NOT BE DISCLOSED TO A THIRD PARTY, REPRODUCED, COPIED, OR LENT WITHOUT THE WRITTEN CONSENT OF THE PROPRIETOR.	GREG ALDERSON & ASSOCIATES ABN 58 594 160 789 43 Main Street CLUNES NSW 2480 Ph: 02 6629 1552 E: office@aldersonassociates.com.au Web: aldersonassociates.com.au	Client: VITALE PROPERTY GROUP PTY LTD	Title: WASTE VEHICLE ENTRY SWEPT PATH	FOR INFORMATION			
C	UPDATED VEHICLE DIMS	AB	29/07/2022					Drawn: AB	Scale: 1:500	Checked:	Date: 23/02/2023
D	UPDATED VEHICLE LENGTH	AB	16/08/2022			Checked: AE	Original Size: A3	No. in set: 03 of 03	Revision: E		
E	UPDATED VEHICLE DIMS	AB	23/02/2023				Job Number: 22381	Drawing Number: 22381-CIV-SP-03			
						DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS					
						REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE					
G:\My Drive\JOBS\22\22381 - Vitale Property Group - 29 Shirley Street, Byron Bay\CIVIL\CAD\22381-CIV-SP-E.dwg						Site address: 29 SHIRLEY STREET BYRON BAY NSW 2481		Project: 29 SHIRLEY STREET UNIT DEVELOPMENT			



Z:\JOBS\22\22381 - Vitale Property Group - 29 Shirley Street, Byron Bay\CIVIL\CAD\22381-CIV-SP-E.dwg



REV	REVISION DESCRIPTION	BY	DATE	THIS DRAWING IS CONFIDENTIAL AND IS THE PROPERTY OF GREG ALDERSON AND ASSOCIATES. IT MUST NOT BE DISCLOSED TO A THIRD PARTY, REPRODUCED, COPIED, OR LENT WITHOUT THE WRITTEN CONSENT OF THE PROPRIETOR. DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE	GREG ALDERSON & ASSOCIATES ABN 58 594 160 789 43 Main Street CLUNES NSW 2480 Ph: 02 6629 1552 E: office@aldersonassociates.com.au Web: aldersonassociates.com.au	Client: VITALE PROPERTY GROUP PTY LTD Site address: 29 SHIRLEY STREET BYRON BAY NSW 2481	Title: WASTE VEHICLE VERTICAL SWEPT PATH Project: 29 SHIRLEY STREET UNIT DEVELOPMENT	FOR INFORMATION			
C	UPDATED VEHICLE DIMS	AB	29/07/2022					Drawn:	Scale:	Checked:	Date:
D	UPDATED VEHICLE LENGTH	AB	16/08/2022					AB	1:200		23/02/2023
E	UPDATED VEHICLE DIMS	AB	23/02/2023					Checked:	Original Size:		Revision:
								AE	A3		E
								Job Number:	Drawing Number:		
								22381	22381-CIV-SP-05		

G:\My Drive\JOBS\22\22381 - Vitale Property Group - 29 Shirley Street, Byron Bay\CIVIL\CAD\22381-CIV-SP-E.dwg