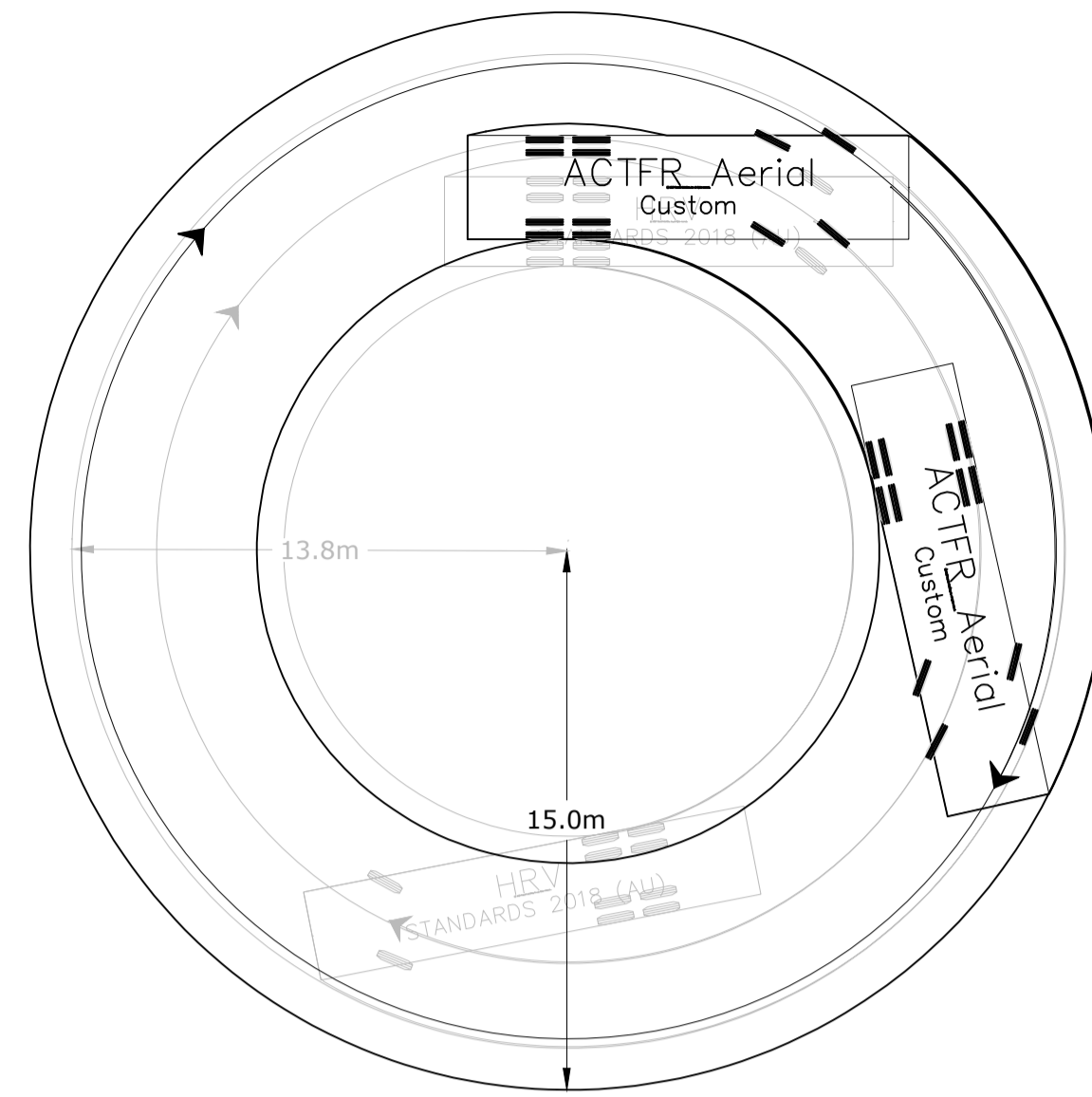


GENERAL:

- DRAWING TO BE READ IN CONJUNCTION WITH C.131 & C.132.
- GENERAL ON-SITE VEHICULAR CIRCULATION IS TO BE AS PER THE REQUIREMENTS OF AS2890.1 - OFF STREET PARKING CAR PARKING.
- COMMERCIAL VEHICLE SERVICING AREAS ARE TO BE AS PER THE REQUIREMENTS OF AS2890.2 - OFF STREET COMMERCIAL VEHICLE FACILITIES.
- ACTF&R ACCESS PROVISIONS ARE TO BE AS PER ADVICE RECEIVED FROM ACTF&R 31/07/2020.
- EVOENERGY ACCESS TO SUBSTATIONS AND ELECTRICAL INFRASTRUCTURE IS TO BE AS PER EVOENERGY REQUIREMENTS.
- WASTE COLLECTION VEHICLE ACCESS TO BE IN ACCORDANCE WITH THE 2019 DCC FOR BEST PRACTICE WASTE MANAGEMENT IN THE ACT.

ACTF&R - ACCESS REQUIREMENTS:

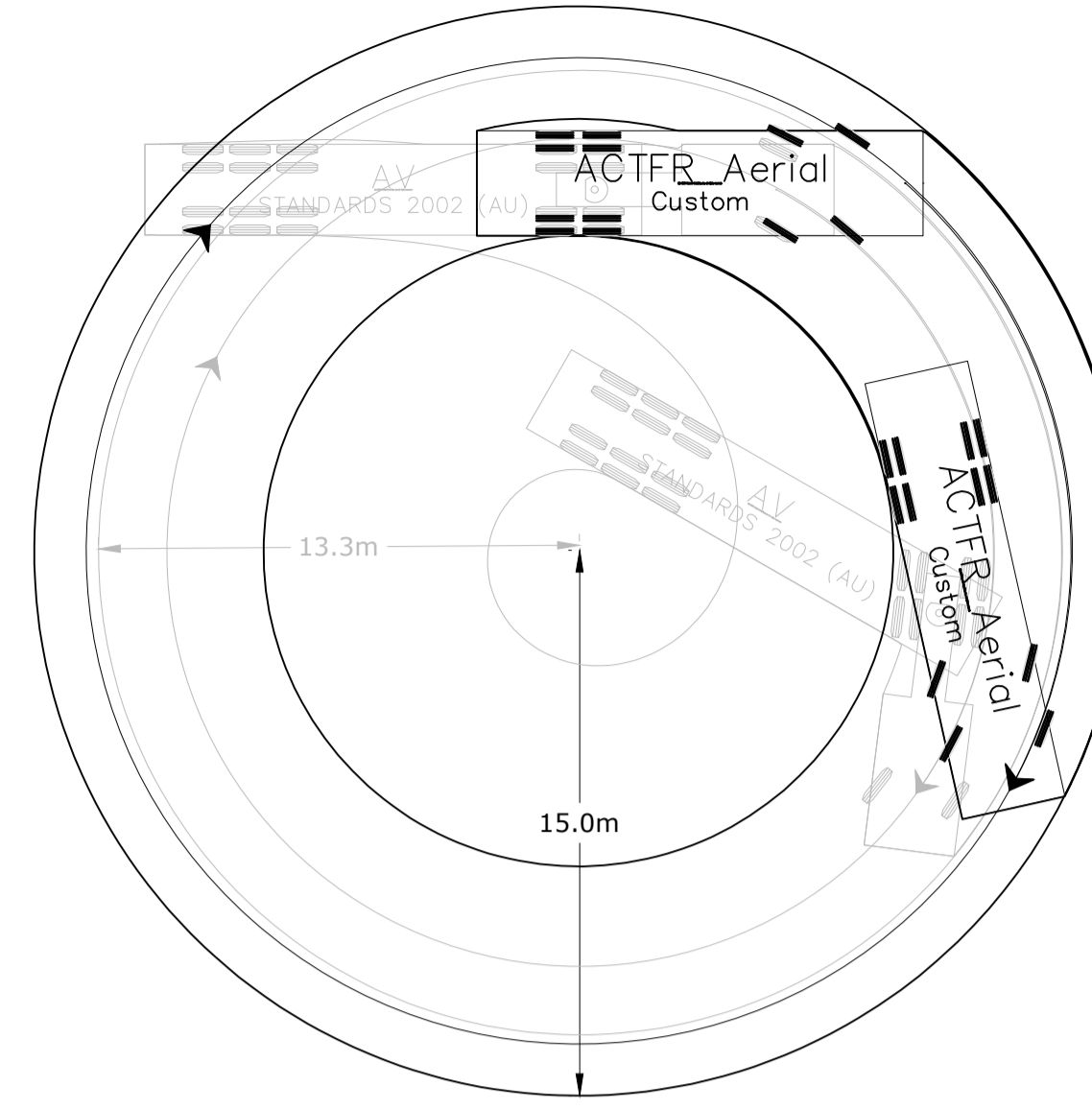
- ACTF&R PUMPER ACCESS REQUIREMENTS INCLUDE:
 - TO OPERATE ON A MINIMUM CARRIAGEWAY WITH OF 5.5m WITH A VERGE WIDTH OF 1.5m. (CARRIAGEWAY CAN BE REDUCED TO 5.0m WHERE LENGTH IS LESS THAN 60m).
 - CARRIAGEWAY WIDTH NOT TO INCLUDED DESIGNATED CAR PARKING SPACES, CYCLE LANES, INDENTED PARKING BAYS OR MEDIANS.
 - SWEPT PATH ANALYSIS TO BE BASED ON THE 12.5m HEAVY RIGID VEHICLE AS PER AS2890
 - MAXIMUM LONGITUDINAL GRADIENT OF 12.5%.
 - ON STREET PARKING IS PROHIBITED.
- ACTF&R AERIAL APPLIANCE ACCESS REQUIREMENTS INCLUDE:
 - MINIMUM TURNING CIRCLE (KERB TO KERB) OF 25m.
 - MINIMUM TURNING CIRCLE (WALL TO WALL) OF 30m.
 - WORKING FOOTPRINT OF 12.3m X 8m.
 - APPROPRIATE ACCESS AND WORKING FOOTPRINT IS REQUIRED TO AT LEAST ONE CORNER OF ALL BUILDINGS GREATER THAN 3 STOREYS.
 - MAXIMUM GRADIENT OF WORKING FOOTPRINT OF 7 DEGREES (12.3%).
 - WORKING FOOTPRINT TO BE WITHIN 15m OF BUILDING WALL.
 - POTENTIAL POINT LOADS OF 25KN WITHIN SURFACE AREA OF 0.5m2.
 - THE SWEPT PATHS HAVE BEEN SHOWN WITH A 600mm CLEARANCE ENVELOPE EITHER SIDE.
 - IT IS ASSUMED THAT THIS CLEARANCE MAY EXTEND INTO AREAS OFF THE PAVEMENT AND ONLY THE WHEEL TRACK IS REQUIRED TO BE RETAINED WITHIN THE PAVEMENT EXTENTS.
 - WHERE THE ACTF&R IS REQUIRED TO CROSS OVER UNDERGROUND TANKS, THE TANKS AND PAVEMENT ABOVE ARE TO BE SUFFICIENTLY STRUCTURAL RATED FOR THE VEHICLE LOADS.



• ACTF&R VEHICLE SHOWN WITH 15.0m TURNING RADIUS (WALL TO WALL).

ACTF&R AERIAL APPLIANCE vs 12.5m HRV - SWEPT PATH COMPARISON

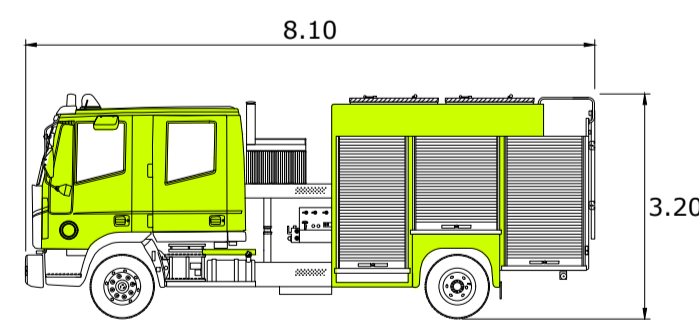
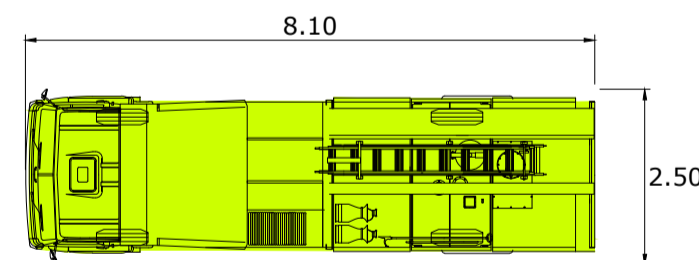
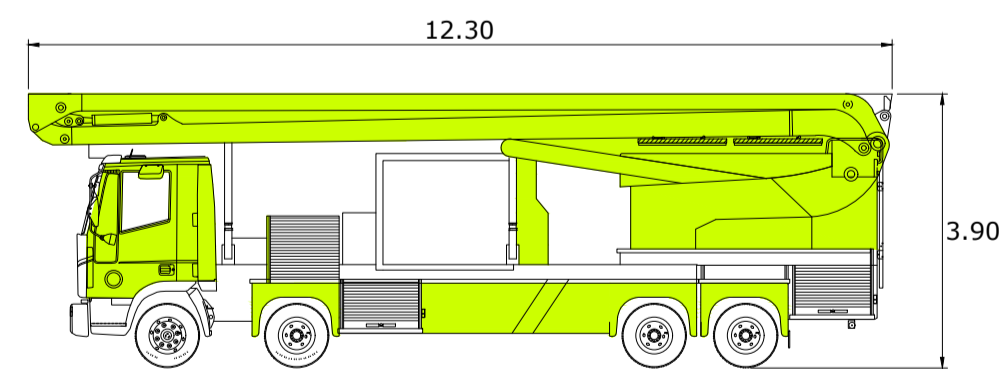
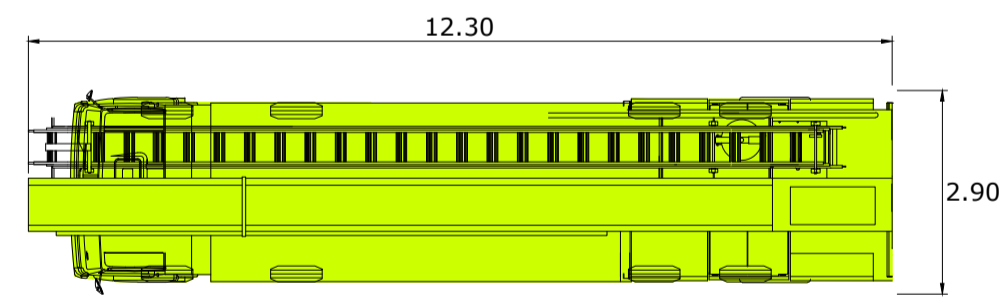
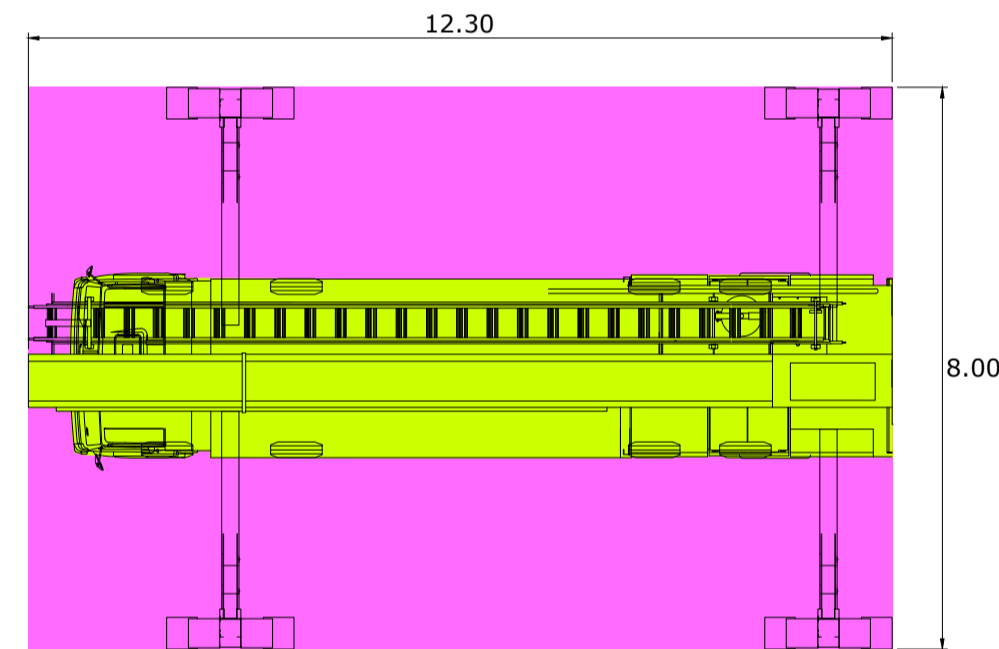
1:200 @ A1



• ACTF&R VEHICLE SHOWN WITH 15.0m TURNING RADIUS (WALL TO WALL).

ACTF&R AERIAL APPLIANCE vs 19.0m AV - SWEPT PATH COMPARISON

1:200 @ A1



12.3m ACTF&R AERIAL APPLIANCE

DIMENSIONS BASED ON ADVICE FROM ACTF&R RECEIVED 31/07/20

- LENGTH: 12.30m
- WIDTH: 2.90m
- HEIGHT: 3.90m
- WEIGHT: 29 TONNES
- MIN TURNING RADIUS (KERB TO KERB): 25.00m
- MIN TURNING RADIUS (WALL TO WALL): 30.00m
- WORKING FOOTPRINT: 12.3m x 8.00m
- TURNING CIRCLE, WALL TO WALL, IS A TOTAL MINIMUM DISTANCE REQUIRED TO TURN THE APPLIANCE AROUND.
- TURNING CIRCLE, KERB TO KERB, IS THE ROAD DISTANCE REQUIRED AND MUST HAVE A MINIMUM 2.5m CLEAR ON EACH SIDE PAST THE KERB WITH A RISE OF NO MORE THAN 120mm.
- APPROPRIATE ACCESS AND WORKING FOOTPRINT IS REQUIRED TO AT LEAST ONE CORNER OF ALL BUILDINGS GREATER THAN 3 STOREYS.
- MAXIMUM GRADIENT OF WORKING FOOTPRINT OF 7 DEGREES (12.3%).
- WORKING FOOTPRINT TO BE WITHIN 15m OF THE BUILDING WALL.
- POTENTIAL POINT LOADS OF UP TO 21 TONNES WITHIN A SURFACE AREA OF 0.7m2 MAY BE APPLIED BY THE GROUNDS PADS, AND MUST BE TAKEN INTO ACCOUNT FOR PAVEMENT LOADINGS AND PARTICULAR CARE TAKEN WHEN IN CLOSE PROXIMITY TO BASEMENT OR PODIUM SERVICES.

8.1m ACTF&R PUMPER

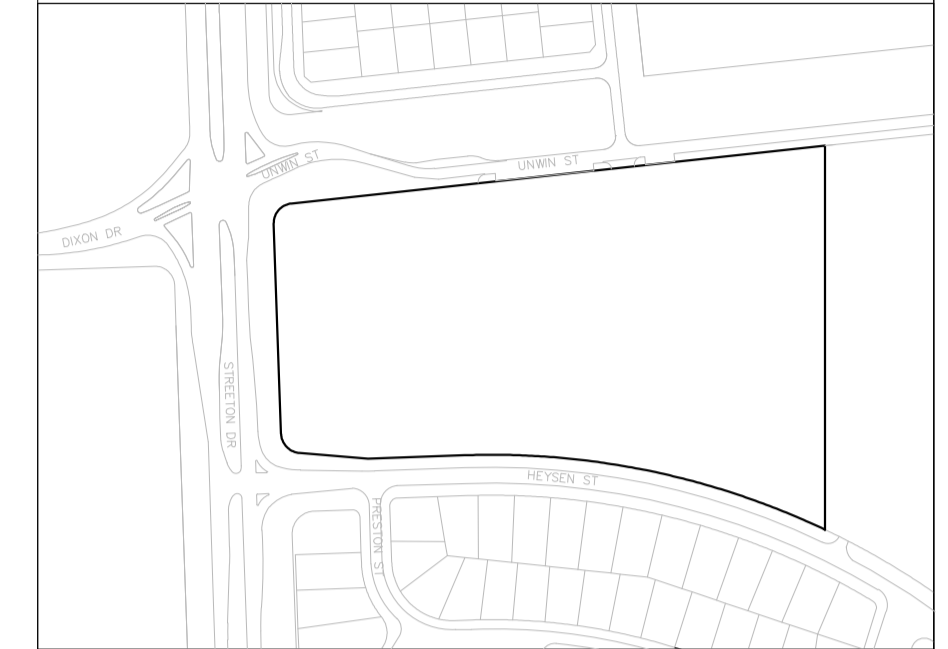
DIMENSIONS BASED ON ADVICE FROM ACTF&R RECEIVED 31/07/20

- LENGTH: 8.10m
- WIDTH: 2.50m
- HEIGHT: 3.20m
- WEIGHT: 14 TONNES
- TURNING CIRCLE: 18.00m
- TO OPERATE ON A MINIMUM CARRIAGEWAY WIDTH OF:
 - 5.5m WITH A VERGE WIDTH OF 1.5m
 - CARRIAGEWAY WIDTH REDUCED TO 5.0m WHERE LENGTH IS LESS THAN 60m.
 - CARRIAGEWAY WIDTH NOT TO INCLUDE DESIGNATED CAR PARKING SPACES, CYCLE LANES, INDENTED PARKING BAYS OR MEDIANS.
- 14t LOAD.
- MINIMUM HORIZONTAL RADIUS TO ACCOMODATE 12.5m HEAVY RIGID VEHICLE.
- MAXIMUM LONGITUDINAL GRADIENT OF 12.5%.
- ON STREET PARKING IS PROHIBITED.

DISCIPLINE: **CIVIL SERVICES**

REV	ISSUE	CHK'D	APP'D	DATE
1	PRELIMINARY	S.G.	S.G.	17/11/21
2	PRELIMINARY	S.G.	S.G.	07/06/22
3	PRELIMINARY	S.G.	S.G.	18/08/22

ALL DRAWINGS ARE DESIGNED TO BE PRINTED AND READ IN COLOUR. IT IS THE CONTRACTORS' RESPONSIBILITY TO PRINT DRAWINGS IN COLOUR TO AVOID ANY POTENTIAL DISCREPANCIES. IF DRAWINGS ARE PRINTED IN BLACK AND WHITE.



Vital Design Solutions
HYDRAULIC CIVIL FIRE

Canberra - Ground floor, 20 Spongolite Street, Beard ACT 2620
Melbourne - Level 22, 535 Bourke Street, Melbourne Vic 3000
Tel: 02 6297 2785 Email: admin@vdsol.com.au ABN 45 151 340 788
Fax: 02 6299 2316 Web: vdsol.com.au ACN 151 340 788

ARCHITECT

CLIENT

PROJECT
**WESTON VILLAGE
BLOCK 1 SECTION 82
UNWIN STREET
WESTON ACT**

DRAWING TITLE
**ACTF&R AERIAL APPLIANCE
NOTES AND DETAILS PLAN**

ALL DIMENSIONS ARE TO BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF WORKS, ORDERING MATERIAL OR PRODUCING SHOP DRAWINGS. THE COPYRIGHT OF THIS DRAWING REMAINS WITH VITAL DESIGN SOLUTIONS PTY LTD.

JOB REFERENCE: **VS21063** DRAWING NUMBER: **C.130**

DESIGNED: S.GWYNNE DRAFTED: E.PEARSON

SCALE: **NTS**

SCALE: NTS SIZE: A1

ISSUE: **NOT FOR CONSTRUCTION** REVISION: **3**