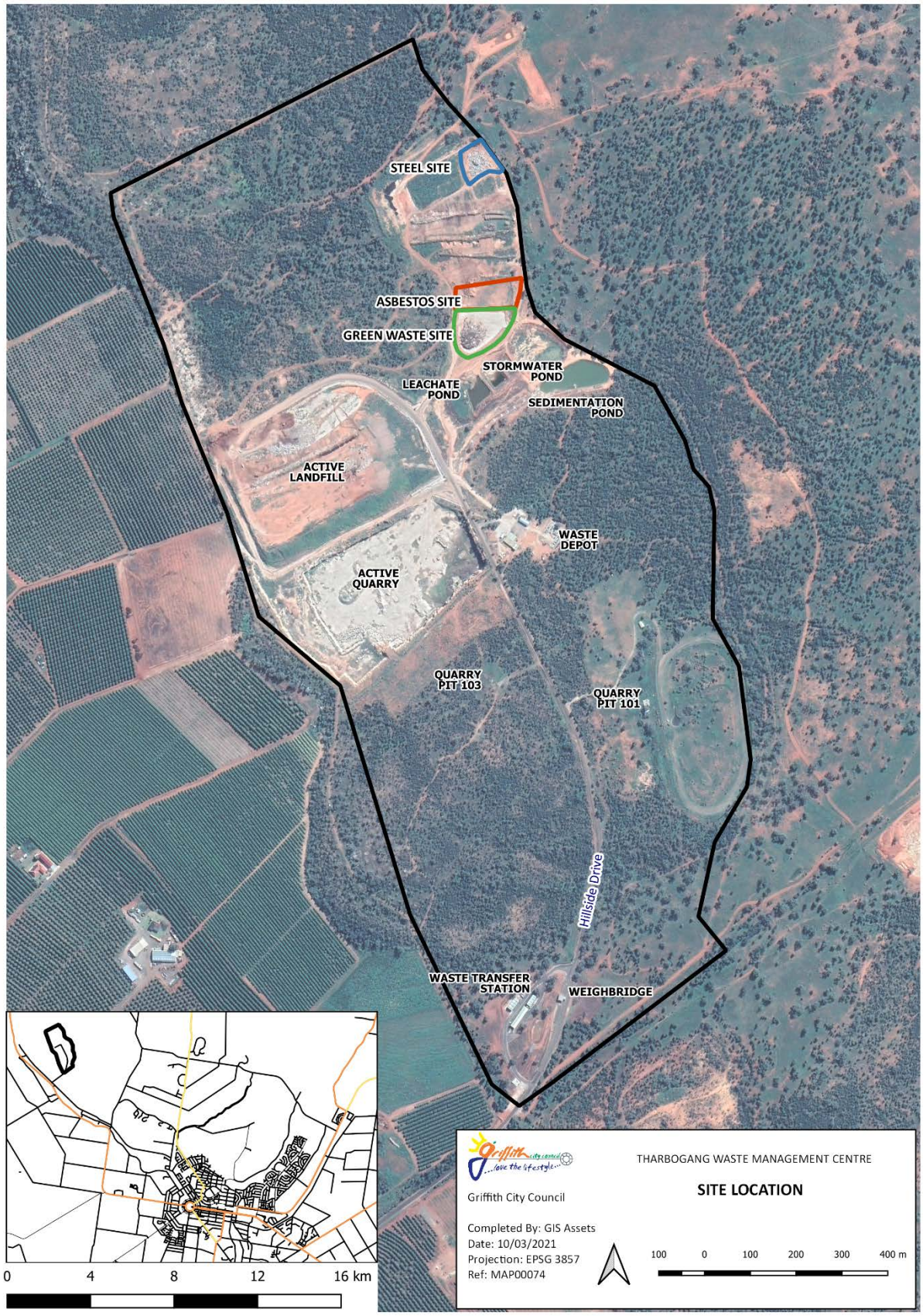
Tharbogang Waste Management Centre

Hillside Drive, Tharbogang NSW 2680

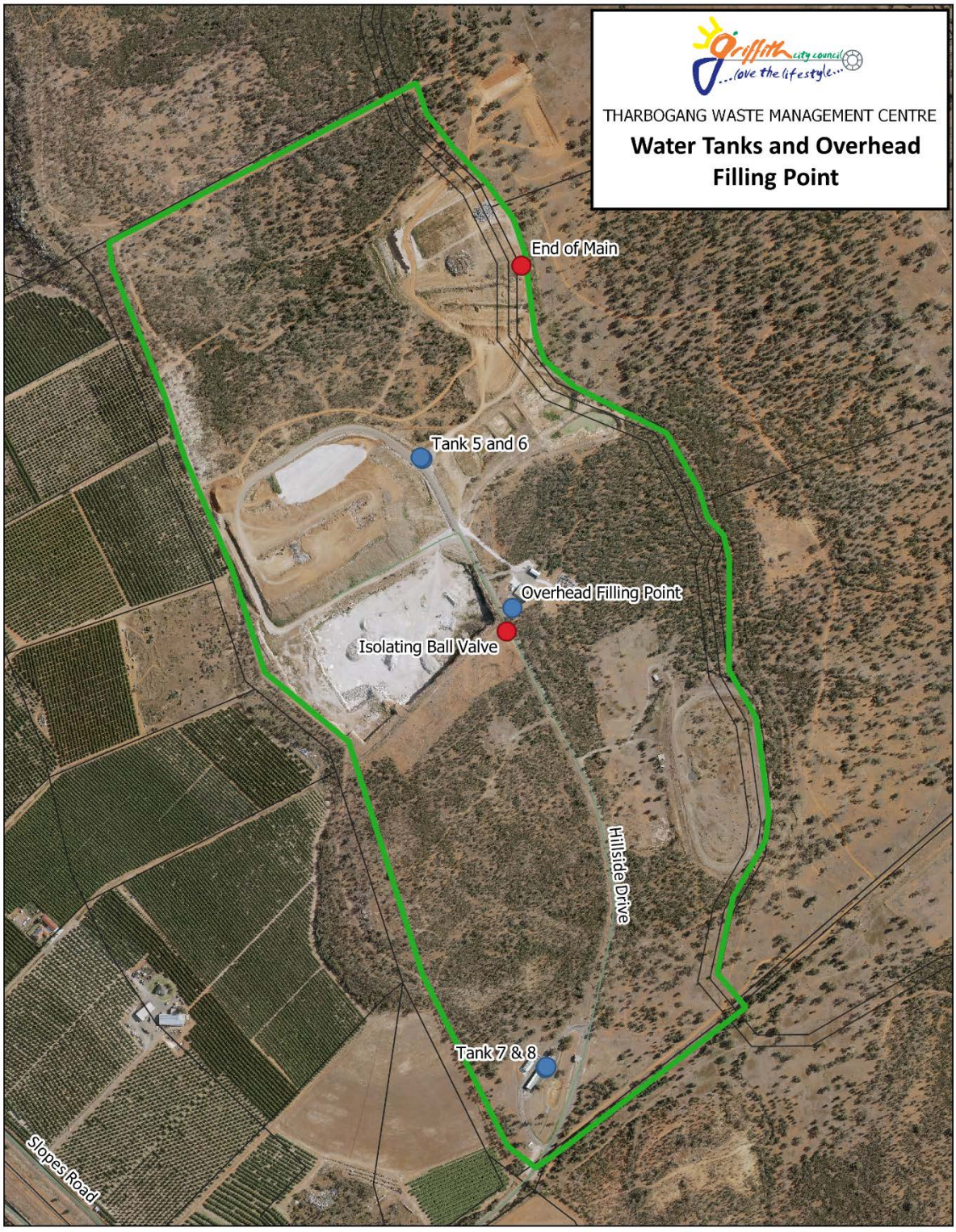
PRE-INCIDENT PLAN (FIRE)

Contents

Locality Map for Tharbogang Waste Management Centre



Location of Filling Points at Tharbogang Waste Management Centre



Disclaimer: This map is intended for general information purposes only. Griffith City Council does not guarantee its accuracy, completeness or suitability for any particular purpose. Users must exercise their own skill and care in using this map and carefully evaluate the accuracy, currency, completeness and relevance of the map before relying on it. The map is not a substitute for independent professional advice and, to the extent permitted by law, Griffith City Council is not liable for any loss or damages arising out of any inaccuracy, error or omission contained in the map.

Completed By: GIS Assets ; U. Wijethunga

Date: 20/05/2021

Projection: EPSG:28355

Ref: MAP0228

0 0.2 0.4 km

Overhead Filling Point

Site:	Landfill Wash Bay
Capacity:	Unlimited
Filling Method:	Pump constant pressure
Fittings:	Over Head Spout
Inlet Size:	75mm copper
Outlet Size:	75mm copper
Level Control:	-
Back Flow Devise:	Yes
Isolation Valve:	1
Filling Time	20min to fill 10,000L 30min to fill 15,000L

Photo Showing Overhead filling point

Isolating Valve for Site 50mm HDPE Water Main

Location:	North Eastern top corner of Quarry off road.
Fittings:	50mm isolating ball valve
Isolation Valve:	1

Location of Isolating Ball Valve

Tank 5 & 6 Details

Site:	Landfill Access Rd
Capacity:	22,500ltr's x 2
Filling Method:	Pump constant pressure
Fittings:	100mm camlock
	65mm Storz
Inlet Size:	50mm copper
Outlet Size:	100mm copper
Level Control:	Float Valve
Back Flow Devise:	Yes
Isolation Valve:	1
Filling Time	11min to fill 15,000L

Photo showing Camlock fitting (female)

Photo showing Storz fitting

Photo showing Isolation valves on HDPE 50mm feeder main and 50mm copper filling pipe

Photo showing tanks being connected by 100mm HD PVC.

End of Main

Location:	Near steel site
Fittings:	50mm isolating valve with a threaded end cap
Isolation Valve:	1

Photo showing valve box

Photo showing capped water main

Tanks 7 & 8 Details

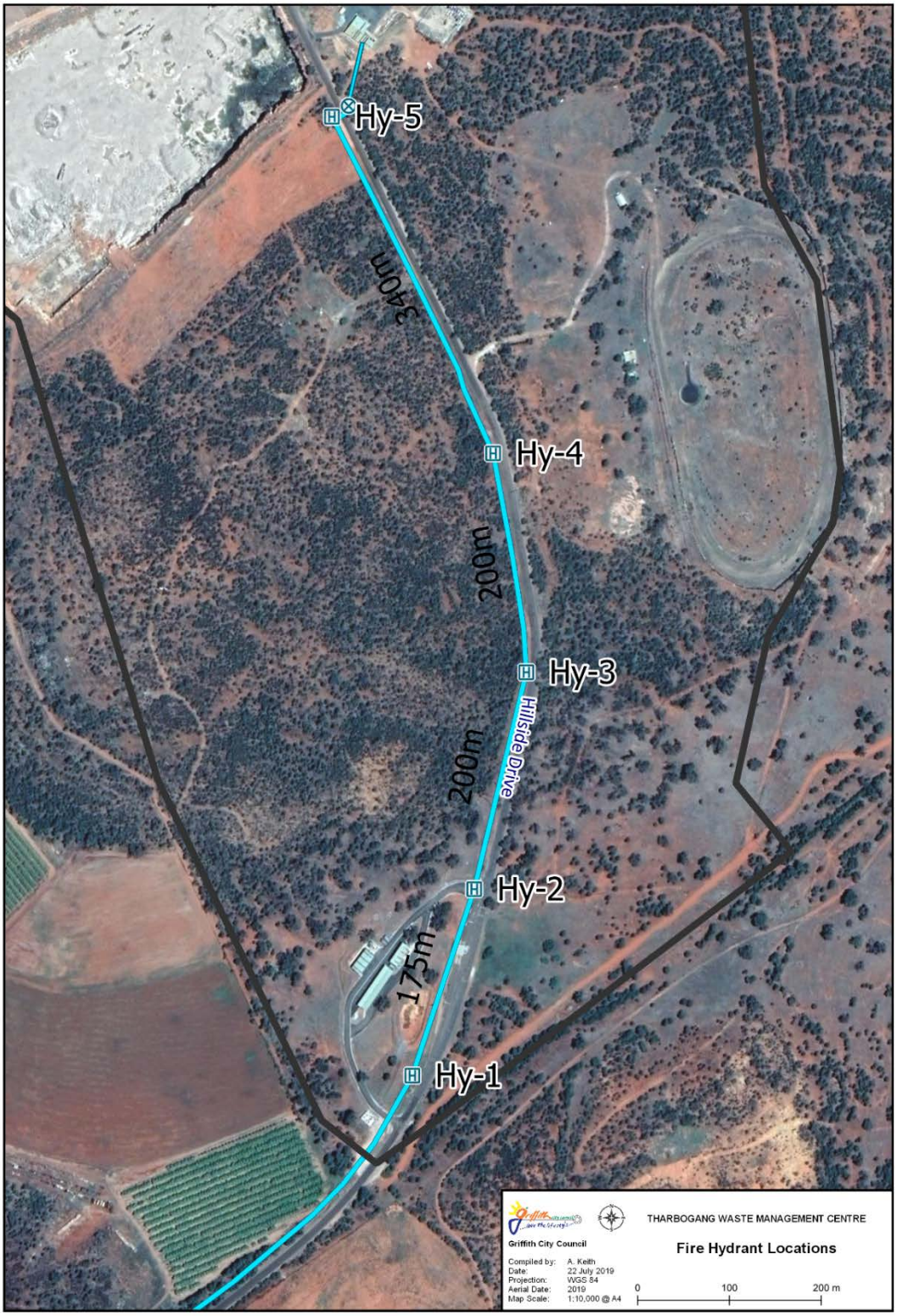
Site:	Waste Transfer Station
Capacity:	2 x 10,000 ltr
Filling Method:	Storm water runoff from WTS structures
Fittings:	65mm storz on each tank
Isolation Valve:	Nil

Photo of Water Tanks

Photo of flushing point

Photo of 65mm Storz fitting

Fire Hydrant Locations and distances between them



Photos of Hydrants along the main that can be “shipped” by the Rural Fire Service or NSW Fire and Rescue.

Hydrant 5

Asset id - PHY02387 taken from mapping

Hydrant 4

Asset id - PHY02386

Hydrant 3

Asset Id-PHY02385

Hydrant 2

Asset Id- PHY02384

Hydrant 1

Asset Id- PHY02383

Water Main Pressure test

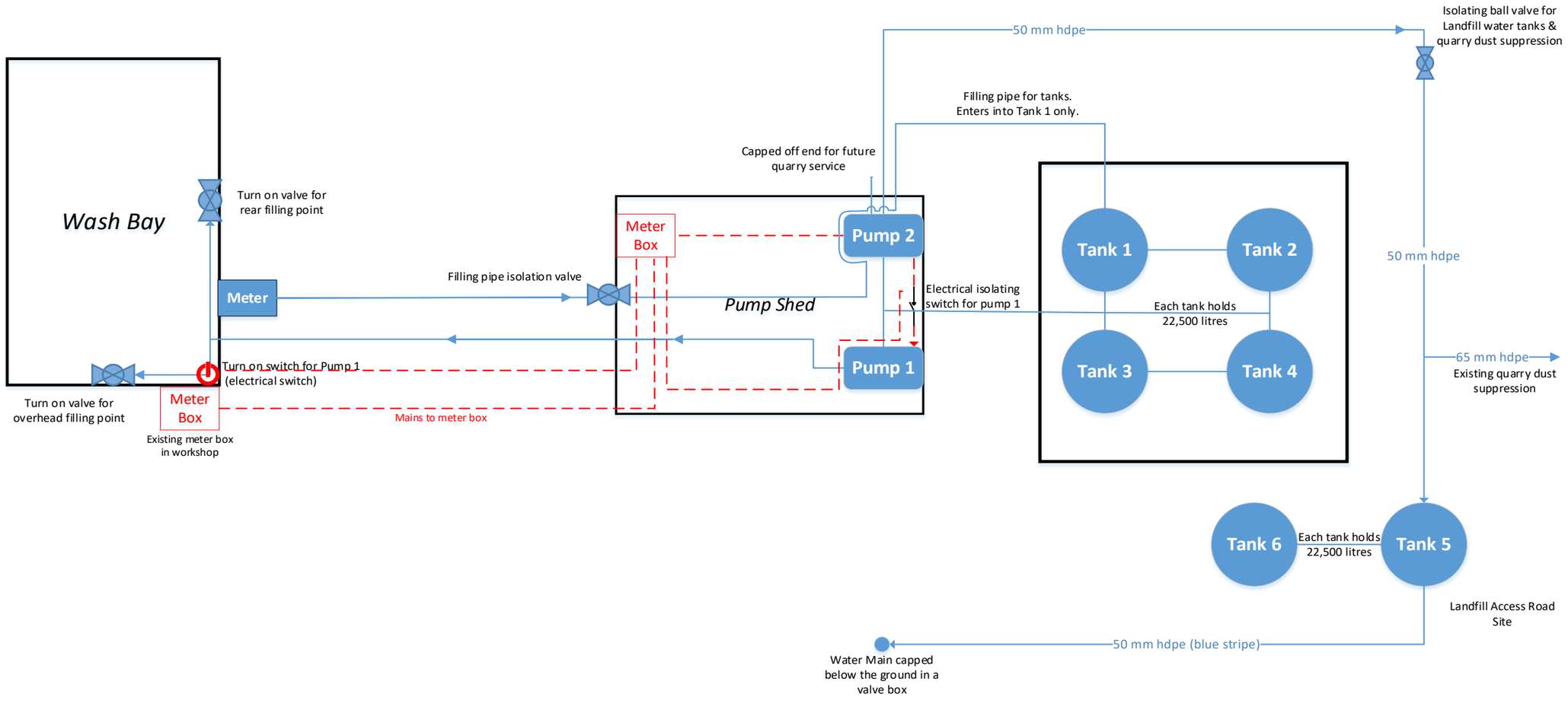
The pressure tests were done in September 2017

Results:

Maximum Pressure	425 kpa
Minimum Pressure	220 kpa

ATTACHMENT 1:
Schematic of Landfill Water Pressure Tank System

Schematic of Landfill Water Pressure Tank System



Created: 1 August 2019
19/53081 v.2

ATTACHMENT 2:

Operation of Monitor (Water Cannon)

WORK INSTRUCTION
(Blanks not to be photocopied. Print direct from TRIM)
(Printed on 28-Sep-20 at 16:09)

(WM-WI-013) Operation of Monitor (Water Cannon)

Reminders
See tools & materials list | Related PPMs | Types of protection | Special note | Additional person(s) required | Warning note

Overview | **Instructions & Explanations**

Pre-Start Checks

Before loading onto the hook lift truck:
1.1 Undertake plant pre-start check.
1.2 Check diesel tank is full (located in front of tank) ☐7.
1.3 Check oil is at optimum level.
1.4 Remove cover off engine.
1.5 Remove cover off monitor.

Loading and Filling

See Work Instruction **(WM-WI-016) Filling of Water Cart** for instructions on filling the water cart from the rear, overhead channel or water tanks.

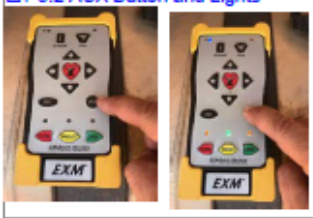
Using the Monitor

3.1 Grab the remote control out of the cab.
3.2 Turn on the unit by pressing AUX on the remote control. Lights will turn on ☐1.
3.3 Turn pump on to 1st glow motor (GL for approximately 4 seconds) then start pump motor by turning key to ST position.
3.4 Turn on monitor valve by pressing toggle switch up for 15 seconds until the light is green ☐2.
3.5 Pull throttle to provide pressure to monitor unit ☐3, At full pressure it will take a minimum of **15 minutes** to empty the tank.

Shutdown Procedure

4.1 Water pressure reducing indicates low water level in tank.
4.2 Reduce engine rev's by twisting throttle knob clockwise ☐3.
4.3 Turn off monitor valve by holding down toggle switch until the light is RED ☐5.
4.4 Turn engine off by turning key anti-clockwise to the OFF position ☐4.
4.5 Turn off remote control (AUX Button) and replace in the cradle in cab ☐1.
4.6 Remove tank unit from Hook Lift Truck.
4.7 Replace covers over motor and monitor.
4.8 Remove key and put back in key lock box located in tool lock-up ☐6.

☐1 3.2 AUX Button and Lights



☐2 3.4 Turning on monitor valve

☐3 4.2 Throttle – pull & twist

☐4 4.3 OFF position

☐5 4.4 Hold down toggle switch

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Date Issued:	21 January 2019	Date Revised:	16 September 20	Status:	Approved	Page:	1 of 2

(WM-WI-013) Operation of Monitor (Water Cannon)

☐6 4.8 Key Lock Box	☐7 1.2 Diesel Tank	☐7 Pump Unit
		

PPE Required	Tools & Materials
▪ Safety Boots ▪ Protective Clothing ▪ Gloves ▪ Eye Protection	▪ Hook lift truck ▪ Fire monitor
✓Pre-Checks (Things to Check Before)	**☑ Checklist (Things to Check During)**
▪ Before loading onto hook lift truck: ▪ Check diesel tank is full ▪ Check oil is at optimum level	▪ Pre-Operational Checklist
✓Post-Checks (Things to Check After)	**ⓘ Information Details**
▪	
(Additional Person(s) Required)	**Related PPM's**
▪ Landfill Overseer ▪ Landfill Operators ▪ Other Staff	▪ Refer to (WM-WI-016) Filling of Water Cart

I have read the above work instruction:		
Name	**Signature**	**Date**
Cameron Grant		
Owen Bowen		
Shane Gaffey		
Quentan Byrne		
Joe Aramini		
Josh Scarfo		
Domenic Catanzariti		
John Roser		

ATTACHMENT 3:

Work Instruction for filling up the Water Cart

WORK INSTRUCTION
(Blanks not to be photocopied. Print direct from TRIM)
(Printed on 01-Nov-19 at 12:11)

(WM-WI-016) Filling the Water Cart

Reminders
See tools & materials list | Related PPMs | Types of protection | Special note | Additional person(s) required | Warning note

Overview **Instructions & Explanations**

Pre-Start Checks

Before filling commences, ensure the following procedures have been undertaken:

- Remove the covers off the pump and monitor.
- Check diesel tank is full (located in front of tank).
- Check oil is at optimum level.
- Put the key into the ignition.
- Ensure that the suction hoses for the water tanks and channel are on the unit.
- Load tank unit onto hook lift truck.


Diesel Tank

CHOOSE THE FILLING METHOD FROM THE OPTIONS BELOW:

1. Filling from the Rear (20 minutes)
2. Filling from Overhead (20 minutes)
3. Filling from the Channel (12 minutes)
4. Filling from the Water Tanks (12 minutes)

Filling from the Rear (Approximately 10,000 litres in 20 minutes)

1.1 Reverse the hook lift truck into the wash bay and connect the delivery hose. ☐1
1.2 Turn on the pump switch (see photo below).
1.3 Turn the delivery valves on at the wall and at the water cart.
1.4 Disconnect the delivery hose and place back on the wall.
1.5 Turn off the pump switch (see photo below).

Filling from Overhead (Approximate filling time is 20 minutes)

1.6 Reverse the hook lift truck into the wash bay, lining up the overhead filling hose with the tank funnel. ☐2
1.7 Lower the filling hose by turning the winder anti-clockwise to lower the pipe until it is inside the funnel. ☐3
1.8 Turn on the pump switch (see photo below).
1.9 Turn on delivery valve to overhead unit. ☐4
1.10 Once the tank is filled, turn off the delivery valve ☐4 and raise the filling hose by turning the winder clockwise.
1.11 Turn off the pump switch (see photo below).


Pump turned ON.


Pumped turned OFF.


Water Level Indicator

☐1 Connect Delivery Hose

☐2 Position under Filling Hose

☐3 Winder -


Turn clockwise to RAISE pipe

Turn anti-clockwise to LOWER pipe.

☐4 Delivery Valve for Overhead Filling

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(WM-WI-016) Filling the Water Cart

Filling from the Water Tanks (Approximate filling time is 12 minutes)

1.1 Remove the GREY filling hose from the cradle in the flat bed tray.
1.2 Connect hose to water tank and water cart. ☐5
1.3 Open the valve at base of tank.
1.4 Open the valves on the water tank - as shown in photo ☐6.
1.5 To start sucking up water, on the Suction Valve Control push the toggle switch UP until the light turns GREEN. ☐7
1.6 To increase the speed of the pump, twist the throttle knob clockwise: to reduce the speed of the pump twist throttle knob anti-clockwise. ☐8
1.7 To stop sucking up water, first turn rev's down by twisting the throttle knob clockwise, then depress the toggle switch on the Suction Valve Control until the light turns RED. ☐9
1.8 Disconnect hose from water tank and water cart.
1.9 Return hose to the cradle in the flat bed tray.

☐5 Hose Connection to Water Tank

☐6 Open Valve Configuration to Fill Water Cart

☐7 To Turn Suction Valve ON, Push UP the Toggle Switch

☐8 Reduce rev's by twisting throttle knob clockwise

WORK INSTRUCTION
(Blanks not to be photocopied. Print direct from TRIM)
(Printed on 28-Sep-20 at 16:09)

(WM-WI-016) Filling the Water Cart

Filling from the Channel (Approximate filling time is 12 minutes)

1.10 ⚠ Operator must access a suitable site via Slopes Road and Kidman Way. Go down Slopes Road so you can turn in to the fill up bay. ☐10 ☐11

1.11 Remove the BLACK filling hose from the cradle in the flat bed tray.

1.12 Connect to water cart and place strainer end in channel so that the strainer will constantly under water ☐12

1.13 To start sucking up water, on the Suction Valve Control push the toggle switch UP until the light turns green. ☐7

1.14 The operator must "jiggle" the suction hose initially to aid in priming, while the hose is in the channel, to commence the sucking process.

1.15 To increase the speed of the pump, twist the throttle knob clockwise: to reduce the speed of the pump twist throttle knob anti-clockwise. ☐8

1.16 To stop sucking up water, first turn rev's down by twisting the throttle knob clockwise, then depress the toggle switch on the Suction Valve Control until the light turns red. ☐9

1.17 Disconnect hose from water cart and remove excess water.

1.18 Secure the hose in the cradle on the flat bed tray.

1.19 ⚠ When completed, you MUST straighten up the truck so you can see oncoming traffic and traffic from behind. Do not exit from the intersection directly behind and to the left hand side.

When Finished

1.20 Remove tank unit from hook lift truck.

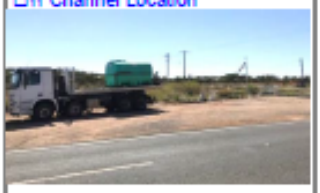
1.21 Replace covers over motor and monitor.

1.22 Remove key and put back in key lock box located in tool lock-up.

☐9 To Turn Suction Valve OFF, Press DOWN the Toggle Switch.

☐10 Access to Channel Filling Bay

☐11 Channel Location



☐12 Filling up at channel with suction hose

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(WM-WI-016) Filling the Water Cart

PPE Required	Tools & Materials
▪ Appropriate PPE – gloves, safety boots. ▪	▪ Hook Lift Truck ▪ Fire Monitor ▪ Water supply – rear, overhead, channel, water tanks ▪ Keys
✓Pre-Checks (Thing to Check Before)	**☑ Checklist (Things to Check During)**
▪ WM-SW-477 Operation of Hook Lift Truck ▪ WM-WI-013 Operation of Monitor (Fire Cannon) ▪ WM-SW-479 Operation of Monitor (Fire Cannon)	▪
✓Post-Checks (Things to Check After)	**Information Details**
▪ Keys have been returned to key box. ▪ Cover has been placed on pump and motor.	
(Additional Person(s) Required)	
▪	

I have read the above work instruction:		
Name	**Signature**	**Date**
Cameron Grant		
Owen Bowen		
Shane Gaffey		
Quentan Byrne		
Joe Aramini		
Josh Scarfo		
Domenic Catanzariti		
John Roser		

ATTACHMENT 4:

Work Instruction for Operation of Water Tanker

WORK INSTRUCTION
(Blanks not to be photocopied. Print direct from TRIM)
(Printed on 05-Nov-20 at 14:11)

(WM-WI-017) Operation of Water Tanker

Reminders
See tools & materials list | Related PPMs | Types of protection | Special note | Additional person(s) required | Warning note

Overview **Instructions & Explanations**

Pre-Start Checks

Before operating the Water Tanker:
1.1 Undertake plant pre-start check (ipad).
1.2 Allow truck to build up air pressure (truck will not move untill this sufficent air pressure has built up).
1.3 Check water tank is full.
1.4 Note that the capacitiy of the tank is 15,000 liters

In Cab controls

2.1 Turn on the **PTO** switch before operation of the Water Tanker features. ☐1.
2.2 The **Master** and **Pump** switches must be **ON** at all times to operate the Water Tanker features. ☐2. ⚠
2.3 **Beacon** switch turns on the amber flashing LED lights.
2.4 **Work** switch turns on the rear working lights.
2.5 **Left** Switch turns on the LHS "Ducks Foot".
2.6 **Right** switch turns on the RHS "Ducks Foot".
2.7 **Bar** switch turns on the low pressure spray bar.
2.8 **High BAR** switch turns on the high pressure spray bar.
2.9 Water tank level guage and pressure controler. **The pressure controler is not to be altered.** ☐3. ⚠

Using the Monitor: It takes 25 minutes to empty a full tank.

3.1 To use joy stick controler ☐4.
3.2 Turn on the unit by pressing AUX on the Joy Stick control. Lights will turn on.
3.3 The valve can either be opened by using the trigger swith at the front of the Joy Stick or be locked in by pressing the valves buttons (green orange & red) on the Joy Stick.
3.4 The pattern of the stream can be changed using the "thumb wheel".
3.5 The OSC button will automatically set the monitor to back and forth motion.
3.5 Moving the Joy Stick side to side & up and down will manually move the monitor.
3.6 The Hand Held Controller can be taken out side of the cab to operate the montior. The buttons are the same as the Joy Stick controls. The controller allows for the movememt of the monitor, modification of the stream, it is turned on buy pressing the AUX button. ☐5
3.7 The handhelf controler must be put back in its bracket after use this will charge the internal battery of the controller.
3.8 At ful PTO rpm (2700) the stream will reach between 25 & 30 meters.
3.9 The monitor has the ability to be roated 360 degrees.

☐1 Photo of PTO Switch

☐2 Photo of incab control pannel

☐4 Joy Stick monitor control

☐5 Hand Held Controler Unit

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(WM-WI-017) Operation of Water Tanker

Filling from Overhead (Approximate filling time is 30 minutes)

4.1 Reverse the Water Tanker into the wash bay, lining up the overhead filling hose with the tank funnel. ☐6.
4.2 There is no need to adjust the valve set up at the rear of the truck when filling from the overhead standpipe. ⓘ
4.3 Turn on the pump switch (see photo below). ☐7
4.4 Turn on delivery valve to overhead unit. ☐8
4.5 You will know that the tank is full of water will come out from the tank over flow valve located underneath the truck.
4.6 Once the tank is filled, turn off the pump switch first then the over head delivery valve.
4.7 It is important to note that filling from the overhead standpipe is the preferred method for this appliance.

Filling tank from the rear (Approximate filling time is 30 minutes)

6.1 Reverse the Water Tanker into the wash bay.
6.2 Connect the delivery hose to the rear of the truck
6.3 Rearrange the valves as per photo ⓘ
6.4 Turn the delivery valves on at the wall.
6.5 Once tank is full remove the delivery hose and put the rear valves back into standard arrangement.

Filling the tank using suction (Approximate filling time is 9 minutes)

7.1 Hoses and screen are held in toolboxes on either side of the truck.
7.2 Connect delivery hose to outlet and put end with screen in the body of water.
7.3 Arrange valves as follows ⚠
- Close tank suction valve ⓘ
- Open rear suction (pull out the "Push/Pull" switch) ⓘ
- Open tank fill ⓘ

7.4 Start the pump (10 sec after opening rear suction) by pushing the toggle switch (labelled "Pump") down.
7.5 When the water level is full (rear clear tube) turn off Pump do not let it over follow.
7.6 Disconnect the delivery hoses and strainer and stow away into storage compartments.

5.2 Arrangement of valves for Filling from Overhead.

6.3 Arrangement of valves for Filling from the rear

7.3 Valves arrangement for suction

☐6 5.1 Reversing Water Tanker under overhead filling point.

☐7 5.3 Pump Switch

☐8 Delivery Valve for Overhead Filling

(WM-WI-017) Operation of Water Tanker

☐3. 2.9 Water tank level guage and Pressure Controller. 	Location of valve which turns on wash down hose 	7.1 Location of delivery hoses 
7.1 Location of screen for end of delivery hose 	7.2 Inlet where suction delivery hose is to be connected to. 	7.4 & 7.5 Rear Suction control unit 

PPE Required	Tools & Materials
▪ Safety Boots ▪ Protective Clothing ▪ Gloves ▪ Eye Protection	
✓Pre-Checks (Things to Check Before)	**☑ Checklist (Things to Check During)**
▪ Water tank is full ▪ Deisel tank is full	▪ Pre-Operational Checklist
✓Post-Checks (Things to Check After)	**ⓘ Information Details**
▪ Water tank is full ▪ Deisel tank is full	
(Additional Person(s) Required)	**Related PPM's**
▪ Landfill Staff	

I have read the above work instruction:		
Name	**Signature**	**Date**
Cameron Grant		
Owen Bowen		
Shane Gaffey		
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Joe Aramini		
Josh Scarfo		
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