

Title:	Holm Septic tank repairs	MSRA No:	D26
1.0	Scope of Works		
Remove a small amount of the existing rock armour to allow access to the areas that require filling with rock fill and concrete, then replace armour to help protect from further erosion. Construct a concrete strip found to fix hand rails around the the outer edges of the tank.			
Author:	[Redacted]	Signature:	[Redacted]
Contract:	Holm septic tank		

2.0	Date/Duration of Works		
Date:	2/7/2022	Duration:	10 Days

3.0	Plant/Equipment		
	16t Tipper	STS Drill	
	14 TON EXCAVATOR		
	6.0m x 2.7m Welfare Static Unit		
	Bowser - 950 Lt Road Tow		
	Angle Grinder - Air 7" & 9"		
	Generator - 3kva Pet		

4.0	Personnel		
	Site Supervisor		
	HGV Driver		
	Plant Operative		
	Skilled Operative		

5.0	PPE		
Safety Helmet – BS EN397:20012+A:2012	✓	Ear Protection – BS EN352:2002	✓
Safety Footwear – BS EN ISO 20346:2013	✓	Lanyards – BS EN354	
Reflective Clothing – BS EN ISO 20471:2013	✓	10 Min. Escape Set – EN1146	
Safety Glasses – BS EN 166:2002	✓	Safety Tripod – EN795	
Gloves – BS EN420:2003+A1:2019	✓		
Harness – BS EN361			

6.0 Competence

Abrasive Wheels	Manual Handling	
Banksman	Fire Marshall	
CPCS/NPORS CSCS	SMSTS	
First Aid		

7.0 Permits

Hot Works Permit		
Access Permit		

8.0 Risks Identified

01 Preparation Works	14 Manual Handling
02 Re-Fuelling	22 Waste
03 Plant Movements	
05 Excavator Operations	
06 Excavations	
10 Working Under or Near Overhead Lines	

9.0 Methodology

1.	Set up road and construction signs
2.	Erect goal posts and Hight limit signs at the entrance to site
3.	Set up site welfare area and parking
4.	Get 14T excavator delivered
5.	Remove the rock Armour with the excavator
6.	place rock fill in the outer areas
7.	Mass pour concrete into the voids around the exposed M/H ensuring it is well vibrated.
8.	Once concrete is set replace rock armour
9.	shutter and pour a concrete strip found around the three outer edges
10.	Drill out holes and fix galvanised steel post to concrete
11.	Fix key clamp hand rails to the galvanised post.
12.	Tidy site and remove all site equipment and welfare .
13.	
14.	
15.	
16.	

17.

18.

19.

20.

21.

22.

23.

10.0 Contingencies

1.

2.

3.

4.

5.

6.

7.

8.

11.0 COVID19

COVID19 Procedures

1. All welfare facilities should be kept to a high standard of cleanliness and all surfaces, door handles, grab rails, countertops and toilet facilities should be routinely cleaned using cleaning agents with a record or schedule in place and monitored.
2. Wash facilities should be available on site with anti-bacterial handwash readily available.
3. Clean your hands often with soap and water (**for at least 20 seconds at a time**) after sneezing, coughing into hand, blowing your nose, going to the bathroom and before preparing or eating food.
4. Avoid touching your eyes, nose or mouth with unwashed hands.
5. Use an alcohol-based hand sanitiser with at least 60% alcohol, covering all your hands and rubbing until they feel dry, if soap and water are unavailable for any reason.
6. If wash facilities are inadequate or unavailable inform supervision immediately.
7. Break times may be split (depending on numbers on site) with half the workforce going at one time and the other half the next as to limit the number of people in welfare facilities at any one point.
8. Do not share any food, drink, cutlery, glasses, cups or towels with anyone.
9. A recommended distance of **2m** should be kept from each other to limit transfer of infection.
10. Cover your mouth using tissues or your sleeve when you sneeze or cough (Do not use your hands) and throw the tissues in the bin immediately and wash your hands straight away.
11. All non-essential staff or site visitors will be reviewed and limited to limit exposure to MAL personnel.

- 12. Any scheduled meetings will be conducted using conference call facilities or video link should it be required.
- 13. Any deliveries to sites will not require a signature.
- 14. No Vehicle sharing is permitted. (Transport will be coordinated to eliminate personnel travelling in different vehicles)

12.0 Traffic Management

Is traffic management required? Yes No

If yes, please refer to dynamic traffic management plan.

Risk Assessments/Traffic Management plan Highlighted below.

All personnel involved in task to read this MSRA and sign MSRA sign off sheet on IMS.

MacAulay Askernish LTD

Dynamic Method Statement/ Risk Assessment



Risk Assessment No:		01				Risk Assessment No:		02			
Operation:		Preparation Works				Operation:		Re-Fuelling			
Persons Affected						Persons Affected					
Site Personal General Public						Site Operatives General Public					
Hazards						Hazards					
Slips, Trips, Falls Traffic Unauthorised Access						Environmental Impacts Fire Fumes					
Risk Factor						Risk Factor					
Uncontrolled			Controlled			Uncontrolled			Controlled		
L	S	R	L	S	R	L	S	R	L	S	R
3	3	9	1	3	3	4	4	16	1	4	4
Controls						Controls					
<ul style="list-style-type: none"> All personnel to sign in/out from site daily. All personnel involved in task briefed on MSRA related to task and sign as recognition of reading and understanding. Personnel to hold recognised qualification in related subject as task being conducted with copies held in site office and checked for validity. Any utilities requiring lock-off/shut down to be isolated and relevant utility company notified. Full PPE Worn at all times on site. Any traffic to be diverted if required. A site walkover will be conducted with all hazardous areas identified prior to works commencing. 						<ul style="list-style-type: none"> Fuel bunds to be lockable and locked when not in use. Fuel bunds to be banded to 110% capacity. The fuel bowser will be locked out with working hours and when not in use. Spill kits to be in place with all fuel bowsers. Re-fuelling of plant to be done directly from fuel bowser, if not possible fuel to be transported to plant in approved fuel receptacles only. Plant nappies to be utilised between bund and plant when re-fuelling at bowser and directly underneath plant being re-fuelled using approved receptacles. Bowser to be placed in area away from any surrounding watercourses. Re-fuelling to be completed in area away from any surrounding watercourses. Fire extinguisher to be in place near fuel bowser. All fuel spillages to be reported to site manager. 					

Risk Assessment No:			03			Risk Assessment No:			05		
Operation:			Plant Movements			Operation:			Excavator Operations		
Persons Affected						Persons Affected					
Site Personnel General Public						Site Operatives General Public					
Hazards						Hazards					
Interface with Plant Crush injuries Damage to Surrounding Objects Traffic						Interface with Plant Damage to surrounding object Utility strikes					
Risk Factor						Risk Factor					
Uncontrolled			Controlled			Uncontrolled			Controlled		
L	S	R	L	S	R	L	S	R	L	S	R
4	4	16	1	4	4	4	4	16	1	4	4
Controls						Controls					
<ul style="list-style-type: none"> • Qualified banksmen to guide all plant movements. • All plant to have green and orange beacons. • All plant must have valid thorough examination certification. • All plant to have daily plant check sheets completed before use with any defects reported. • All plant operators to be CPSC/NPORS CSCS qualified. • All unauthorised personnel to be removed from area. • Pedestrians to follow designated pedestrian routes only. • Work area barriered off and signs erected to inform personnel in area of works being conducted. • Traffic controls to be put in place if necessary. • All excavators moving over tarmac surfaces to have rubber tracks or protection laid to protect surface. 						<ul style="list-style-type: none"> • CAT4+ and genny scan of area conducted prior to excavation commencing with all known/found services communicated to personnel and clearly marked. • All plant operators trained and authorised to use the item of plant with relevant CPCS/NPORS CSCS qualification produced and held in site office. • No mechanical digging within 500mm of known services. • A permit to break ground must be in place and approved by site manager prior to work commencing. • Excavator must be isolated with Deadman switch in raised position before any personnel approach the plant. • All plant to have flashing orange beacons when in operation. • Green beacon to be active when seat belt fastened. • Banksmen to be out with the radius of the excavator with boom extended at all times during the operation. • Banksmen to ensure exclusion zone for personnel in the area is maintained around excavator. • Banksmen to be visible to excavator operator at all times during the operation. • All personnel involved in task to have relevant level of EUSR training with records kept in site office. • Daily plant Check sheet completed with any defects reported. • Valid thorough examination certification available for all plant on site. 					

MacAulay Askernish LTD

Dynamic Method Statement/ Risk Assessment



Risk Assessment No:			06			Risk Assessment No:			10		
Operation:			Excavations			Operation:			Working Under Or Near Overhead Lines		
Persons Affected						Persons Affected					
Site Operatives General Public						Site Operatives Utility company customers					
Hazards						Hazards					
Falls from height Subsidence of excavations Damage to existing services						Electrocution Damage to services					
Risk Factor						Risk Factor					
Uncontrolled			Controlled			Uncontrolled			Controlled		
L	S	R	L	S	R	L	S	R	L	S	R
4	4	16	1	4	4	4	4	16	1	4	4
Controls						Controls					
<ul style="list-style-type: none"> • Ensure all operators are trained and are competent. • Area of excavation barriered off with signs erected to inform personnel of works being conducted in area. • Traffic management put in place (if required). • Ensure everyone on site is wearing Hi-Viz outer clothing. • Ensure all powered plant is in good condition & daily safety checks are carried out & recorded. • Ensure banksman is available to assist excavator operative. • Ensure all personnel are aware of and stick to the "3m rule". • Ensure a dedicated access/aggress route is understood by all members of the working party. • CAT4+ and genny scan of area conducted prior to excavation commencing with all known/found services communicated to personnel and clearly marked. • All plant operators trained and authorised to use the item of plant with relevant CPCS/NPORS CSCS qualification produced and held in site office. • A permit to break ground must be in place and approved by site manager prior to work commencing. • Excavator must be isolated with Deadman switch in raised position before any personnel approach the plant. • All plant to have flashing orange beacons when in operation. • Green beacon to be active when seat belt fastened. • Banksman to be out with the radius of the excavator with boom extended at all times during the operation. • Banksmen to ensure exclusion zone for personnel in the area is maintained around excavator. • Banksmen to be visible to excavator operator at all times during the operation. • All personnel involved in task to have relevant level of EUSR training with records kept in site office. • Daily plant Check sheet completed with any defects reported. • Valid thorough examination certification available for all plant on site. • All open excavations to be barriered off when unattended with signs erected and all personnel informed of locations. • All areas to be battered back as excavations progress to limit chances of subsidence. 						<ul style="list-style-type: none"> • Establish 'No Go' areas. • Unloading to be done out with identified 'No Go' areas no parking of delivery vehicles below power lines. • Goal posts to be erected as per Utility Provider guidelines. • The relevant public utilities will be contacted prior to any works on site with utility drawings and a site visit sought. • Establish Warning Signage. • Banksmen to be provided at all times. • No materials or tools capable of reaching the above the safe working height limits to be carried on site by operatives. • All excavators to be fitted with height restrictors. • All excavators to be fitted with height restrictors. 					

Risk Assessment No:			14			Risk Assessment No:			22		
Operation:			Manual Handling			Operation:			Waste		
Persons Affected						Persons Affected					
Site Personnel						Site Operatives General Public Wildlife					
Hazards						Hazards					
Slips, trips, Falls. Traffic Unauthorised access						Environmental Impacts Attraction of vermin Illness					
Risk Factor						Risk Factor					
Uncontrolled			Controlled			Uncontrolled			Controlled		
L	S	R	L	S	R	L	S	R	L	S	R
3	3	16	1	3	3	3	4	12	1	3	3
Controls						Controls					
<ul style="list-style-type: none"> All personnel trained in manual handling with copy of certification held in site office. Avoid manual handling where possible, utilise mechanical lifting aids. Load size, shape, weight to be assessed prior to lifting. Where possible split load to manageable sizes. Use correct lifting techniques. Ensure area surrounding lift is clear from hazards and clutter. Plan route to be taken when carrying load prior to commencing task. Full PPE to be worn at all times on site. If necessary, split load to carry. 						<ul style="list-style-type: none"> Where Possible all waste will be segregated for recycling. All waste skips will be clearly marked. All skips to be fully enclosed. All skips to be locked when not in use. Skip levels to be monitored, with skips emptied regularly. On completion of task remove waste from the workplace. Appropriate PPE to be worn when handling waste materials and their receptacles. Hazardous/controlled waste to be disposed of in full compliance with site rules and current legislation. Waste transfer certification to be obtained and filed in office. COSHH assessments to be prepared for the handling of hazardous waste materials. Health surveillance to be implemented for operatives. 					

MacAulay Askernish LTD

Dynamic Method Statement/ Risk Assessment



Risk Assessment No:						Risk Assessment No:					
Operation:						Operation:					
Persons Affected						Persons Affected					
Hazards						Hazards					
Risk Factor						Risk Factor					
Uncontrolled			Controlled			Uncontrolled			Controlled		
L	S	R	L	S	R	L	S	R	L	S	R
Controls						Controls					



Risk Assessment No:						Risk Assessment No:					
Operation:						Operation:					
Persons Affected						Persons Affected					
Hazards						Hazards					
Risk Factor						Risk Factor					
Uncontrolled			Controlled			Uncontrolled			Controlled		
L	S	R	L	S	R	L	S	R	L	S	R
Controls						Controls					