

Method Statement

Project Name: Margam

Project Location: Land adjacent to A48 Margam Way, Margam

Date of Survey Works: week commencing 5th July 2021

Time of Works: Surveys will be undertaken on weekdays during the working hours of 9am to 5pm.

Survey Team: Sophie Webb (07759672060)

Scope of Works:

Reading Agricultural Consultants Ltd (RAC) is instructed by Sandvik Osprey Ltd to survey soils and collect soil samples for laboratory analysis across the agricultural land within the site boundary. No surveys will be undertaken on the highways or highway verges. It is understood that vehicles may be parked within the site.

The soil samples will be collected by a surveyor working on foot and using a hand-held insulated auger. Augers measure around 7cm diameter and reach up to 120cm depth. One soil core will be examined roughly every 1ha or 100m, amounting to approximately six observations within the site boundary. Soil will be examined in the field and then replaced in the void, in the correct order. All locations are in open fields away from farm and residential buildings. Augers and boots will be sprayed with Agrichlor disinfectant prior to and following sampling.

Topsoil (from a depth of 0-250mm) and, where available, upper subsoil (250-500mm depth) samples will be collected at a density of one per 3ha of agricultural land.

The samples will be a minimum of 500g. The samples will be bagged, labelled and sent to an accredited laboratory (NRM) for analysis of pH, Phosphorus (P), Potassium (K) and Magnesium (Mg), organic matter content and particle size distribution to confirm the texture.

Surveyors carry a mobile phone on site and have been provided with emergency contact numbers (e.g. emergency services, RAC contacts) should a situation arise whereby assistance is required.

Surveyors will follow Government advice to prevent the spread of the Covid-19 virus. In particular, surveyors must:

- maintain a minimum distance of 2m from any other personnel on site;
- have a suitable face covering available in case unplanned encounters occur; and
- sanitize hands and all equipment and surfaces before and after use, and between land parcels. Use hand sanitizer before and after visiting welfare facilities either en route or during the survey.

Surveyors should not visit the site if they meet the criteria outlined by the Government that requires them to self-isolate. Criteria include showing symptoms such as a high temperature, persistent cough, loss of taste/smell, or having been in contact with another person with such symptoms. They should inform their line manager at the first opportunity and before setting off for site. If a surveyor starts to develop symptoms during the survey day, they must stop work immediately, inform their line manager, and return home.

Appropriate PPE will be worn when on site, to comprise weather-appropriate clothing (including sunscreen and sunhats if necessary) and sturdy footwear as a minimum when surveying in open agricultural fields with no other farm, surveying or construction activity present. If any farm vehicles or machinery are present within the same field or neighbouring field as the survey, surveyors must wear hi-vis vest or jacket.

If other construction activities are present in the survey area, surveyors must comply with PPE requirements in place: hi-vis jackets or long-sleeved vests, hard hat, safety footwear and have eye goggles and gloves available for use (it is not possible to hand-texture soil whilst wearing gloves).

RAC surveyors have been made aware of the locations of public and private utilities within the site prior to selecting auger locations in order to avoid any possibility of striking buried services. No mechanical digging aids will be used and all augering will be to a shallow depth only. All augering will be undertaken with caution and ceased if any evidence of services (including land drains) is encountered.

The surveyor will carry a first aid kit. All surveyors are first-aid trained.

The RAC surveyor will contact the RAC project manager at the start and end of each day and upon arrival at and departure from the site.

Risk Assessment

The following provides a risk assessment for the site visit. The tables below demonstrate the method and values for calculating the risk ratings shown in the tables overleaf.

		LIKELIHOOD			
		Probable 4	Reasonably Probable 3	Remote 2	Extremely Remote 1
S E V E R I T Y	Fatal 4	INTOLERABLE 16	HIGH 12	HIGH 8	MEDIUM 4
	Severe 3	HIGH 12	HIGH 9	MEDIUM 6	MEDIUM 3
	Major 2	HIGH 8	MEDIUM 6	MEDIUM 4	LOW 2
	Minor 1	MEDIUM 4	MEDIUM 3	LOW 2	LOW 1

- **Intolerable (16) – STOP WORK IMMEDIATELY.** Where the assessor identifies a potential risk of a fatality occurring every week the work activity or location should be stopped immediately, and advice sought on how to reduce the risk to an acceptable level.
- **High risks (8 to 12)** – mitigating action must be implemented immediately to reduce risks. This may include a mix of both temporary and permanent measures. Work must not be allowed to continue until additional controls have been implemented. Longer term actions must be programmed, resourced and monitored
- **Medium risk (3 to 6)** – the activity, equipment, systems of work must be reviewed and where reasonably practicable additional measures identified and implemented to reduce the risk to low. Timescales for completing actions must be defined and monitored
- **Low risk (1 to 2)** - Usually, no further action will be required except for monitoring to make sure that the risk levels do not change. However, if it is possible to reduce the risk levels still further, by using controls that are reasonably practicable, then this should be done.

Value		Type of Injury/Illness
4	Fatal	fatality
3	Severe	fracture of major bone or skull loss of limb or eye loss of sight or hearing (permanent) acute illness requiring medical treatment unconsciousness where the person has to be resuscitated any injury/illness leading to more than 1 month off work
2	Major	fractures (hand, wrist, ankle etc.) unconsciousness major burn amputation of digits (fingers & toes) loss of sight or hearing (temporary) any other injury/illness leading to between 3 days and 1 month off work
1	Minor	Prolonged discomfort Minor ill health Minor illnesses (e.g. temporary eye or back strain) Any other injury/illness leading to less than 3 days off work

Value		Occurrence
4	Probable	Likely to occur immediately or shortly For daily jobs or exposure to a physical condition harm could be expected to be realised every week
3	Reasonably Probable	Probably will occur in time For daily jobs or exposure to a physical condition harm could be expected to be realised every month
2	Remote	May occur in time For daily jobs or exposure to a physical condition harm could be expected to be realised every 1 to 5 years
1	Extremely Remote	Very unlikely to occur, only in exceptional circumstances For daily jobs or exposure to a physical condition harm could be expected to be realised every 5 years +

Site	Margam, M4 Jct 38	Task Description	Soil sample collection for nutrient analysis and ALC and soil survey for agriculture baseline data collection.				
ACTIVITY	HAZARDS	Persons At Risk	Control Measures	Risk Rating With Controls			Further Action
				S	L	R	
Site Access	Risk of RTA from highway.	RAC surveyors	Vehicles shall be parked so as not to cause a hazard or obstruction and in accordance with site or local parking requirements. The surveyors should not park on verges but should find suitable off road parking spaces. Only work in good daylight hours with good visibility. High visibility clothing to be worn as appropriate.	2	2	4 (Medium)	
	Falling, slips and trips caused by rabbit holes and other obstructions.	RAC Surveyors	Reconnoitre site before commencing work to identify hazards. Surveyors to maintain awareness of their surroundings, including ground conditions, when in motion. Use tramlines to walk between observation points; take particular caution when walking through overgrown areas such as headlands and where the ground surface is not readily visible. Use the auger to test the ground surface if uncertain of ground conditions. Only auger where ground surface is clearly visible and firm. Wear appropriate comfortable and durable safety footwear, with good grip.	1	2	2 (Low)	

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				S	L	R	
			Work in good daylight hours only. Staff provided with mobiles to use in the event of an incident.				
	Livestock encounters	RAC Surveyors	Surveyors to be made aware of any livestock that may be present on site. Where possible do not enter fields with livestock. Surveyors are not to approach any livestock. Surveyors should be aware at all times of the location of livestock and are advised to leave the site if aggressive or defensive behaviour in livestock is observed. High-vis not to be worn around livestock.	2	2	4 (Medium)	Surveyors will refrain from making loud noises/shouting on site, or adopt any behaviour that may stress or aggravate livestock. Extra awareness is required if there are young animals present as livestock will naturally be more wary. If in doubt, leave that area of the site.
General Site Activities	Stress/strain from handling and carrying equipment (soil augers, spades) and soil samples	RAC Surveyors	Equipment not to be carried for excessively long period and/or shoulder straps to be worn. Equipment consists of a field map, hand-held auger, spade, water spray and colour chart, collectively weighing <10 kg.	1	1	1 (Low)	
	Striking buried services Electrocution, explosive risk, severe injury and/or death.	RAC Surveyors	The locations of underground services have been checked and the locations of observations planned accordingly. No use of any mechanical digging aids. Hand augers to be insulated.	4 4	1 (Extremely remote) 1 (Extremely remote)	4 (Medium) 4	Auger with caution and cease if encounter disturbed ground or casing. <i>If in doubt, then don't auger – move location</i>

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				S	L	R	
	Risk of contamination from pesticides and zoonotic infection.	RAC Surveyors	No eating or smoking while sampling. Wash hands using sanitizers, detergent, water or wipes prior to eating and when finished sampling. Surveyors to be aware of symptoms of common infections such as leptospirosis (Weil's Disease). These include very high temperatures, feeling hot and shivery, headaches, feeling and being sick, aching muscles and joints, red eyes and loss of appetite. Staff to contact their GP immediately such symptoms occur. https://www.nhs.uk/conditions/leptospirosis/ Surveyors to be aware of risk of Lyme disease from tick bites. Wear long trousers and sleeves and remove ticks safely as soon as noticed using tick removal tool to be carried in first aid kit.	1	2	2 (Low)	
	Use of hydrochloric acid.	RAC Surveyors	Hydrochloric acid is carried in very small quantities (<10ml) and is well diluted. Two to three drops are used per sample and are administered from a dropper bottle (not poured).	1	1	1 (Low)	COSHH assessment completed and available for information.
	Antisocial behaviour including theft and assault	RAC Surveyors	Surveyors will only work where access with the landowner has been agreed. All surveyors advised to hand over any equipment if threatened or attacked. Keep calm, do not raise your voice and do not inflame the situation.	2	2	4 (Medium)	Surveyors to be diligent at all times and be aware of any people approaching. Surveyors to leave site if threatened and report to office/police as appropriate.

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	Presence of other contractors/machinery on site	RAC Surveyors	Land access team will advise of other contractors will be present at time of survey. If contractors present, surveyors will follow all site rules already put in place by contractors and set out at induction if relevant. If contractors present, appropriate PPE to be worn at all times. If contractors' machinery present within survey area, surveyors will make themselves known to the operators, explain the task being undertaken, the likely duration of the task and will inform the operators when the task is completed and the surveyors are leaving site. Surveyors to remain an appropriate distance from moving farm and contractors' machinery. If any potentially dangerous practice is observed, work will be stopped and a safe approach agreed. Know who site first aiders are and how to contact them if needed. All surveyors to follow practise of social distancing, and to keep at least 2m from other site personnel and landowners.	2	2	4 (Medium)	Be aware of other site activity, particularly from farm vehicles and machinery.
Vehicle Use	Condition of vehicle	RAC Surveyors	All drivers to have valid UK driving licence and insurance cover, including cover for business travel. Vehicles must be in a road worthy condition and have valid a MOT certificate and road fund licence.	2	1	2 (Low)	Documents to be checked before embarking on a journey.
	Road traffic accidents	RAC Surveyors Public	Surveyors to check weather forecast at least 24 hours before setting off for survey. If extreme weather conditions are forecast, consult with line manager and postpone survey.	2	2	4 (Medium)	Drivers are advised to stop driving and pull over to a safe place if they experience signs of fatigue or other symptoms which may affect driving ability (for example, migraine, visual impairment).

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				S	L	R	
			For journeys in excess of 2 hours, rest stops of 15 minutes should be taken in order for concentration and awareness levels to be maintained.				

Emergency Details

Site Emergency Phone Numbers	Alastair Field 07722959120
	<u>Reading Ag office 01491 684233</u>
Fire / Ambulance / Police	999 or 112
Nearest hospital with A&E	Princess of Wales Hospital Coity Road Bridgend CF31 1RQ Tel: 01656 752752
Environmental Emergency	0300 065 3000 (Natural Resources Wales Incident Hotline)
Electricity	105 (National Power Cut Line)
Gas	0800 111 999 (Wales and West Utilities Emergency Hotline)
Telecommunications	0800 023 2023 (Openreach Emergency Hotline)
Water	Welsh Water 24-hour emergency contact number: 0800 052 0130 Natural Resources Wales 24 hour flood line: 0345 988 1188
Welfare facilities	Local facilities will be used, e.g. ASDA Supermarket, Pyle Industrial Estate, Pyle Cross, Bridgend CF33 6BU

18 min (11.5 miles)

via M4

Fastest route, despite the usual traffic



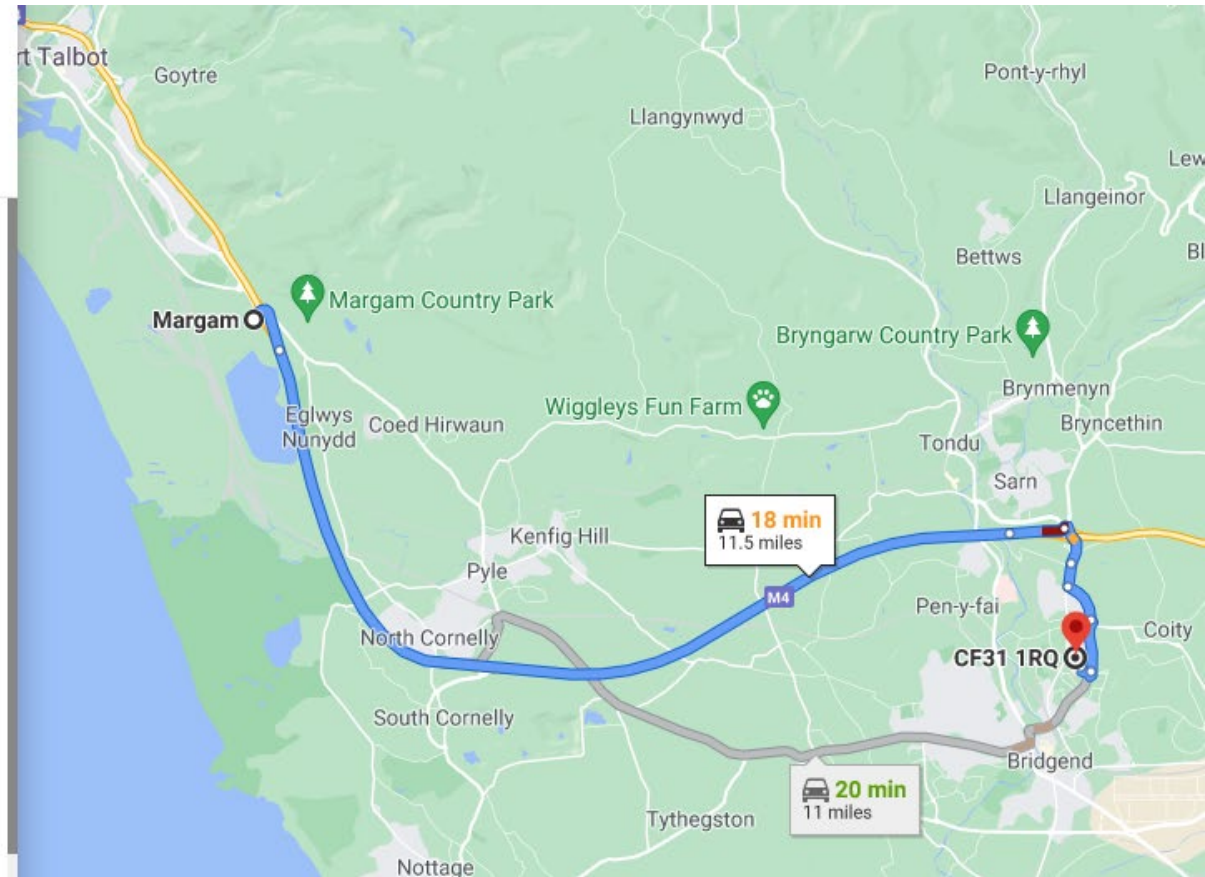
Margam

- > Get on M4
1 min (0.6 mi)
- > Follow M4 to A4061 in Sarn. Take the exit from M4
9 min (9.1 mi)
- > Continue on A4061 to your destination in Bridgend
5 min (1.8 mi)

CF31 1RQ

Bridgend

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.



Acceptance Sheet

Name	Company	Signature	Date