TRAFFIC/PEDESTRIAN MANAGEMENT PLAN

FOR
M.J. O DOHERTY LTD.

AT
FERMOY BRIDGE,
ASHE QUAY,
O'NEILL CROWLEY QUAY,
AND FERMOY PRIMARY CARE CENTRE

SEPTEMBER 2022

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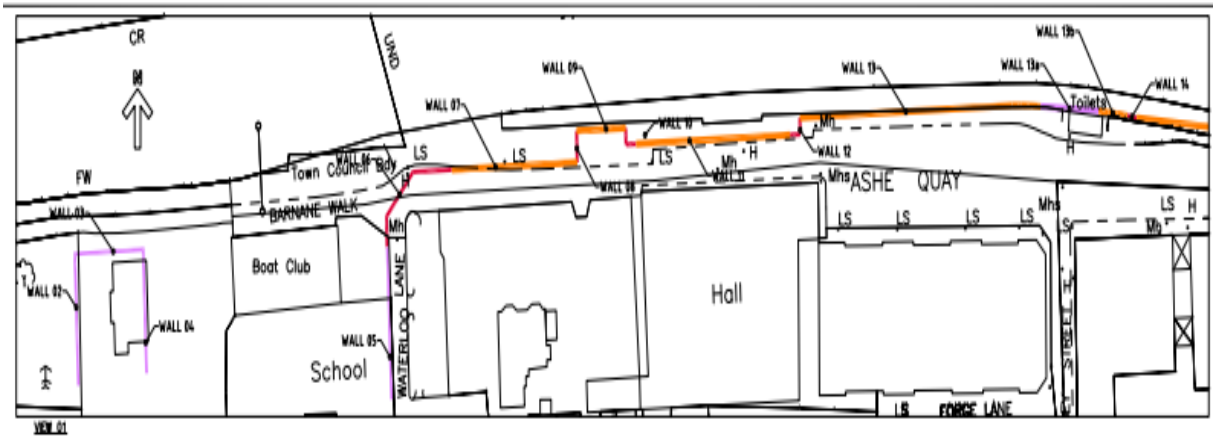
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1. TRAFFIC MANAGEMENT PLAN

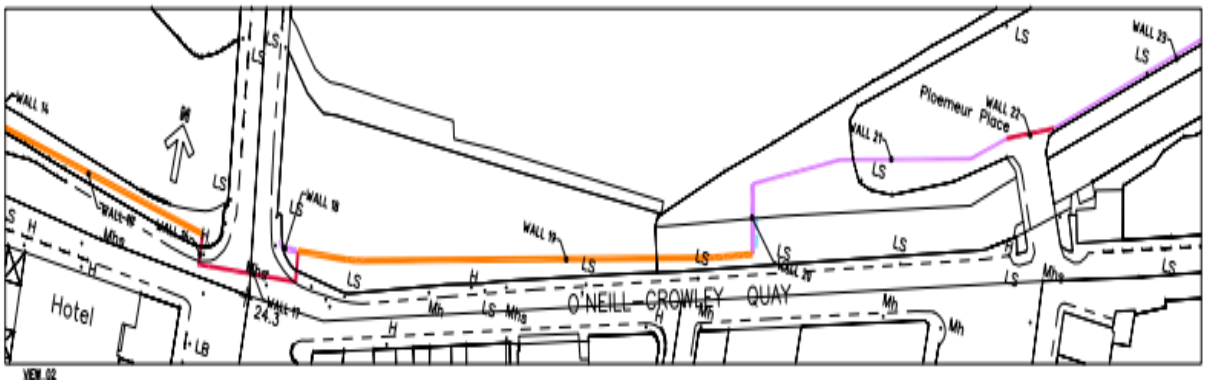
1.1 Introduction	M.J O'Doherty Ltd as part of the installation and removal of flood relief barriers in Fermoy, Co. Cork are required to implement a Pedestrian and Traffic Management Plan so that they can safely install and remove the barriers as required to protection the local community from floods.
1.2 Project	**The proposed works consists of:** Installation of Flood Barriers in Ashe Quay, O Neill Crowley Quay and Fermoy Primary Care Centre in Fermoy Co. Cork and the management of traffic and pedestrians. This is to read in conjunction with Method Statement/Risk Assessment for the Flood Barriers. • **Mode 1 - 3:** Installation of Flood Relief barriers along the Ashe Quay from the Rowing Club up to the community Centre and at tow sections in the fermoy primary care centre. There will be a walk way provided for pedestrains in this mode along the rowing club up until the grand hotel. • **Mode 4 –** 5: Installaton of flood relief barriers at the primary Care centre, at the main bridge and car park. • **Mode 6 –** 7: Installation of the flood reilef barriers from ashe quay, across to o'neill crowley and in to the fermoy primary care centre.

1.3 Location	The location of work is in Fermoy town and will be between several locations between Fermoy rowing club at Ashe quay, Fermoy bridge, O'Neil Crowley quay and into the primary care centre.

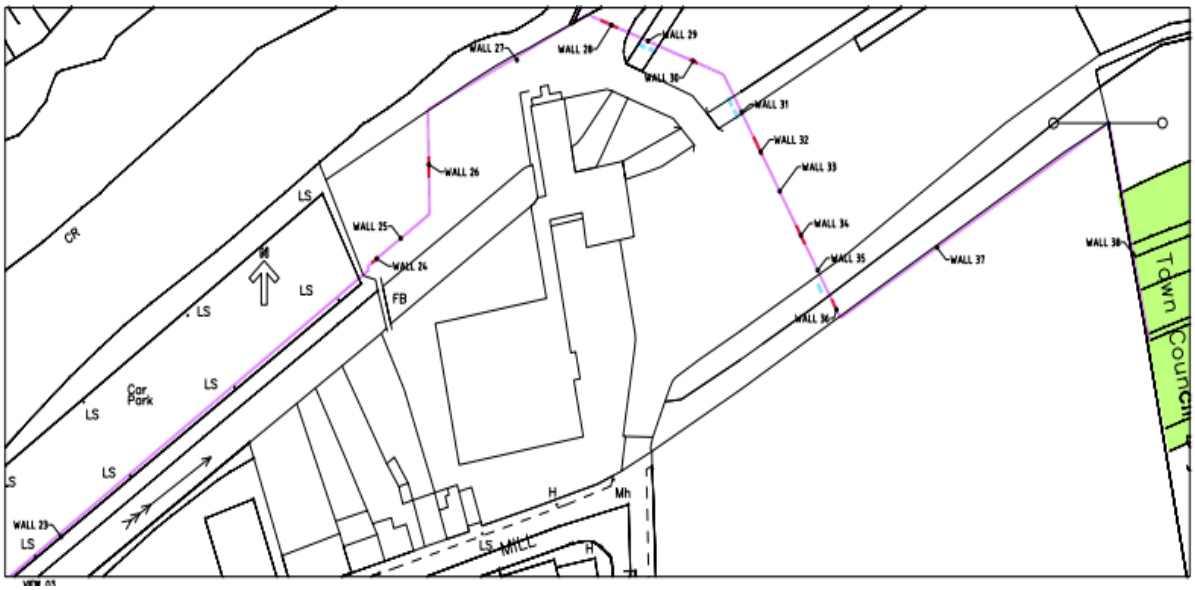
Ashe Quay



O'Neill Crowley Quay



Fermoy Primary Care Centre



1.4 Programme of Works	**Site Set-up including temporary barriers (deliniators), signage, cones:** The team will set out barriers, cones and signage as per the design drawings for the location of work. The traffic and pedestrain management will be up date and chanegd as the work progresses and or the modes change. **Site clean up -** Once the site works are complete all elements of the Traffic Management System will be removed.

2. PROJECT SPECIFICS

Prepared By	Brendan Cronin	**Of**	Ayrton Group
Approved By	Mike Daly	**Of**	M.J O'Doherty Ltd.
Proposed Start Date	As the need is required	**Completion Date/Time**	TBC
Contact on Site:	Mike Daly **Mobile:** 086 385 0454		
Requirements for Notification	The Client, Garda, Local Authority, Emergency Services, Local Business Local Facilities, Local Services, and local residents will be notified of the temporary traffic measures which will be put in place, where relevant.		
Restriction on Working Hours	As required by the job.		
Site Restrictions	No item of plant shall be placed or parked on the roads outside of the site boundary of the proposed works, in a manner which may result in danger to the personnel working on the site and/or the road user. All plant will be contained within the site perimeter (which will be delineated by barriers, cones and warning tape around the perimeter of the work area.		

Traffic Management System Required	A road closure will be implemented between the rowing club and the community centre at Ashe Quay. Between the community centre to the to the grand hotel will operate a single lane closure with traffic controllers at each side. When work is at or near the bridge a road closure will be put in place between the bridge and the abbey street with pedestrian wardens in place at each end. Pedestrian management at Ashe Quay/O'Neill Crowley, Access will be from the far side of the quay. There will be a pedestrian warden posted at both junctions to assist the public with any queries or assistance. Pedestrian access as Ashe quay will be limited to the toilets and tourism office. O'Neill Crowley Quay Traffic Management will require a closure between the bridge and the turn for Kent St, All traffic management down Kent St, turn right on the O'Neill Crowley Quay. No Access to car park flood barriers installs and traffic up Fitzgerald St and pedestrian access up to the garda station. The Fermoy primary care centre will remain open with access & egress through the front gate, advance warning signs will be installed, and some car space will be closed to allow for plant to mobilise throughout. Pedestrian wardens will be at the entrance to the primary care centre to assist the public moving within the grounds. • Advanced warning system at all access points • Road closure and diversions along the quays • Pedestrian wardens and pedestrian detours using temporary footpaths

3. HAZARDS SPECIFIC TO TRAFFIC MANAGEMENT

1. Serious personal injury to workers because of contact with oncoming site traffic.
2. Risk of accident between oncoming traffic and workers.
3. Risk of causing major traffic disruption.
4. Risk of injury to pedestrians from vehicles.

4. HAZARDS CONTROL SPECIFIC TO TRAFFIC MANAGEMENT

1. Serious personal injury to workers because of contact with oncoming site traffic.

- **a)** All signs must be in place as per the Department of Transport Traffic Signs Manual, Chapter 8.
- **b)** M.J O'Doherty will ensure all necessary barriers, cones and signage will be in place to delineate the works area and ensure adequate exclusion zones from the proposed works traffic activities and workers.
- **c)** Loading and unloading of equipment, machinery and materials will be within the works area at all times to ensure safe entry and exit of work-related traffic.
- **d)** All site traffic will enter the work zone (which will be delineated safely) before work commences.
- **e)** All employees must have adequate training, before work commences.
- **f)** All employees must wear adequate PPE at all times.

2. Risk of accident between oncoming traffic and workers

- **a)** All signs must be in place as per the Department of Transport Traffic Signs Manual, Chapter 8.
- **b)** All employees must wear adequate PPE at all times.
- **c)** Do not park any work vehicles on roadside other than within the immediate work zone.
- **d)** Advance warning Advanced warning, Road closure (laneway to the west of the development), Pedestrian Detours will form part of the traffic management systems and will be implemented for the duration of the project.
- **e)** All workers must follow the designated pedestrian routes along the footpath/roadway to the works area.

3. Risk of causing major traffic disruption.

- **a)** The intended projects vehicular activities are not expected to cause any major traffic disruptions where the following controls are maintained.
- **b)** All workers will be advised of the dangers of oncoming traffic and asked to prevent traffic disruption by planning all work and deliveries.
- **c)** Advance warning signage as well as detours will be implemented to maintain flow of traffic between Ashe Quay to Mill Road and surrounds, signage will be placed on both approach roads to the work area and will be visible to all road users.
- **d)** A banksman will be in place to guide the vehicles to and from the work area.
- **e)** No vehicle staging will be permitted under any circumstances which may cause unnecessary traffic disruption.

4. Risk of injury to pedestrians from vehicles.

- **a)** All signs must be in place as per the Department of Transport Traffic Signs Manual, Chapter 8.
- **b)** All site traffic will enter the work zone (which will be delineated safely) before work commences
- **c)** A pedestrian detour will be in place to direct the public from the rowing club up to the Fermoy Bridge and from Fermoy Bridge to Kent St
- **d)** Advanced warning system will be in place to alert pedestrians of the footpath closure and necessary detour.
- **e)** A competent operative will be available to guide pedestrians safely past the work zone should the need arise, although this is not envisaged with a detour in place.
- **f)** All works vehicular traffic entering the site will be guided by spotters and banksman.

5. SEQUENCE OF WORKS

1. Traffic management will be undertaken by M.J.O Doherty Ltd. Traffic management plan to be put in place, work to be completed by 2 Crews.
2. Co-ordination Meeting with Contractor and Traffic Authority (Gardaí) to be held at Gardaí office as agreed
3. Traffic lights to be shut down for the duration of the event and Gardaí on point duty at Pearse Square to alleviate traffic congestion.
4. A Stop /Go Traffic Management System will be used to set up Traffic Management Plan within the location.
5. M.J. O'Doherty Ltd will organise all required signs for this project and bring them to site.
6. Site Induction to be completed by All on Site to ensure clear understanding.
7. M.J. O'Doherty Ltd will set up the sign cones and delineation devices as per the Traffic Management Layout in this plan and as per Department of Transport Traffic Signs Manual Chapter 8.
8. M.J. O'Doherty Ltd will complete SSWP with all employees on site.
9. Traffic will be stopped on approach to the works using stop / go boards. The stop / go operators will be in communication with each other. The Person from M.J. O'Doherty Ltd who is the foreman and will be at the work site.
10. Once all signage is in place the Stop/Go withdraw and allow traffic through.
11. The Quays and Abbey St are then closed to traffic as per plan and Pedestrian Wardens in place.
12. Pedestrian access to Toilets and adjacent Tourism office through Abbey Street inside Pedestrian barriers. SLG on duty.
13. Where work moves across the bridge, there will be a lane closure on the bridge as per the plans, O'Neill Crowley Quay will be closed to Kent St and pedestrian wardens will assist any person going between the bridge to the garda station.
14. There will diversions from the bridge to Kent St via Patrick St.
15. The Primary Care Centre will remain open, advanced warning signs and pedestrian wardens will be used to control traffic and pedestrians throughout the facility.
16. There will be clear predefined instructions for dealing with emergencies e.g. ambulance or in the event of an accident
17. M.J. O'Doherty Ltd will remove all signs and cones and delineation devices when work is complete.

6. DESIGN PARAMETERS

Level 1: Single lane carriageways
The speed limit on approaches is 30 km/h
Requirements of Chapter 8 of the Traffic Signs Manual 2019

6.1 Road Classifications

Road	Speed Limit	Classifications
National Primary	100kmh	Level 2(ii)
Regional	100kmh	Level 2(ii)
Local	80kmh	Level 2(i)
Urban Roads	60kmh	Level 1(iv)
Urban Roads	50kmh	Level 1(iii)
Urban Roads	40kmh	Level 1(ii)
Urban Roads	30kmh	level 1(i)

Design Parameters

Design Parameters	Roadwork's Type A (All Traffic Conditions)
Speed Limit	30 km/h
Temporary Signs	
Sign Size	450 mm
Sign Visibility (m)	25m
Number of Signs (Minimum)	1
Cumulative Distance (m)	10m
Distance between advance signs (m)	10m (min distance)
Rate of Taper	
Taper at Lane (m)	1 in 1
Taper at Hard Shoulder (m)	N/A
Safety Zone	
Longitudinal (m)	0.5
Lateral:	0.5
Behind Cones (m)	N/A
Behind Concrete Barriers (m)	N/A
Behind Other Barriers (m)	N/A
Set Back (m)	N/A
Cone Spacing	
At Tapers (m)	1
Longitudinal (m)	3
Cone Height	750
Lane Width	
Min Lane Width (m)	2.5m
Two Way Road Width	5m

A. Cone spacing is the maximum permitted. Where geometry or any other site-specific reason dictates, the spacing shall be reduced accordingly.

B. The optimum lane width for all classes of vehicles is 3.3m. This may be reduced to a minimum of 3m. Below this, HGVs and buses must be marshalled past the works. The absolute minimum lane width, if only cars and light vehicles are present, is 2.5m.

All the above are minimum requirement as set out by Chapter 8 of the Traffic Signs Manual. Where possible these will be increased to provide for a safer work environment.
A site-specific plan will be prepared to accommodate the works.

7. ROAD SAFETY

- All signs and cones will be used and placed as per Department of Transport Safety Signs Manual Chapter 8 and Guidance for Control and Management of Traffic at Roadworks. The local Garda will be consulted by Cork County Council and M.J O'Doherty LTD.
- All efforts will be made to avoid any disruption to local traffic. Signs will be put in place to advise all who use the roadway of ongoing works.

8. SITE DELIVERIES

- All site deliveries will be guided by a spotter for the duration of the works. All site deliveries will be pre-arranged by site management and all deliveries will be materials to complete the work.
-

9. HAVE BEEN LIMITED TO 07:00-18:00 MONDAY-FRIDAY AND 08:00-14:00 ON SATURDAYS.

- Activities outside of these hours may require the prior approval of the Planning Authority

10. STORAGE OF MATERIALS

- All materials will be stored in a designated work area and not in unauthorised locations around the neighbouring developments to eliminate the risk presented by unnecessary vehicular movement within those areas.
- Materials will be managed in a way which will eliminate the possibility of over storage of materials which may impact vehicular and pedestrian movement.

11. PRE-COMMENCEMENT INSTRUCTION "TOOLBOX TALK"

- A Safe System Of Work Plan (SSWP) will be completed before work begins (See attached). Prior to the commencement of this work a Toolbox Talk will take place on site to ensure all personnel understand their responsibilities.

12. TRAFFIC/PEDESTRIAN MANAGEMENT

- The work being carried out in Ashe Quay/ O Neill Crowley Quay could cause major disruption, accident or injury to other road users. Therefore, this Traffic/Pedestrian Management Plan will be put in place to reduce the risk of accident, injury or disruption to other road users.
- To carry out this work safely an all stop traffic management system will have to be put in place. As agreed with Garda and County council access to both quays to be closed except to works traffic. Abbey St will also be closed and barriered off.
- Traffic will be sent up Abbey St by traffic wardens to exit Ashe quay. Pedestrians access to toilets and tourism office will be by Abbey St. Pedestrian warden and barriers in place.
- Traffic turning on to the O'Neill Crowley Quay will be set up to Patrick Street if they want to access Kent.
- Pedestrians will be assisted on O'Neill Crowley Quay to and from the Garda station.
- All Vehicles entering Fermoy Primary Care Centre will have limited access to several car spaces in the compound, there will be a two way system in operation throughout and pedestrian wardens will manage and members of the public.
- Where footpaths are impeded, a temporary footpath will be installed by the contractor, pedestrian wardens will advise and assist members of the public with any query's
- All signs, cones and delineation devices will be put in place by a competent operative. They will complete the safe system of Work Form (See attached).

13. REVIEW OF TRAFFIC MANAGEMNENT PLAN

- The foreman from M.J. O Doherty Ltd and Safety Officer may review this Traffic Management Plan as work progresses. Appropriate changes must be made where deemed necessary.
- The changes are to be discussed with workforce concerned by the Foreman.

14. TRAFFIC CONTROL MEASURES

- All signs, cones & barriers must be put in place, as per the Department of Transport Traffic Signs Manual, Chapter 8- Temporary Traffic Measures & Signs for Roadworks.
- All signs and cones will be set up by the competent responsible person designated by M.J O'Doherty Ltd.
- A safety zone will be maintained at all times between workers and vehicles using cones & barriers.
- All signs to be put in place as per attached guidance for control and Management for Traffic at Roadworks 2019.
- All machine operators must be trained, experienced operators, trained to SOLUS CSCS standard, as per Construction Regulations of 2013. All workers will attend an Induction Course before work begins. All dangers will be explained & a record of this will be kept on file.
- Follow guidelines from Department of Transport Traffic Signs Manual.
- For safe passage of pedestrians through work area, follow The Department of Transport Guidelines.
- A Safe System of Work Plan SSWP Working on Roads will be completed on site by the Foreman of M.J.O Doherty Ltd and it will be explained to all staff and they will be asked to sign it (see attached).
- Warning signs to be posted to highlight the dangers involved. All access points to be closed/barricaded to prevent access to unauthorised persons. Only authorised personnel allowed on site. A responsible person to be on site at all times.

15. REQUIREMENTS FOR CONTINUING LIAISON

Procedures will be required for liaison between the Contractor and local business owners/local authority for considering the following: -

(a) Unforeseen events during the project execution resulting in substantial changes which might affect risks, contract timescale and have health and safety implications.

16. DOCUMENTS TO BE READ AND OBSERVED.

The following documents should be read and observed in conjunction with this document

- Guidance for the Control and Management of Traffic at Roadworks" – Dept. of Transport
- "Traffic Signs Manual – Chapter 8" – Dept. of Transport
- "Guidelines for Working on Roads" – Health & Safety Authority
- "Construction Site Traffic Management Plan (CSTMP) Guidance"- Health & Safety Authority
- Site set up and layout design
- SSWP to be completed prior to work crew stating on site.

17. OTHER SAFETY REQUIREMENTS

- Competent personnel will manage and set up road works around work location.
- All persons to have safe pass and manual handling training.
- Work crew will wear high visibility clothing at all times (Class 3) minimum.
- Once traffic management is set up, this will be observed to ensure it is working without issue, if not additional calming measures will be reviewed.
- Before the crew start, they will review this document and sign same indicating an understanding of the works to be carried out.
- During adverse weather conditions the work should cease.

18. ACKNOWLEDGEMENT OF TRAFFIC MANAGEMENT PLAN

I wish to acknowledge receipt of the information relating to the Traffic Management Plan.
I confirm that I have read, understand and accept its contents and will abide by all the rules and procedures contained in it.
Safe working is a condition of employment.

1.	Employee Name: Employee's Job Title:	Signature: Date:
2.	Employee Name: Employee's Job Title:	Signature: Date:
3.	Employee Name: Employee's Job Title:	Signature: Date:
4.	Employee Name: Employee's Job Title:	Signature: Date:
5.	Employee Name: Employee's Job Title:	Signature: Date:
6.	Employee Name: Employee's Job Title:	Signature: Date:
7.	Employee Name: Employee's Job Title:	Signature: Date:
8.	Employee Name: Employee's Job Title:	Signature: Date:
9.	Employee Name: Employee's Job Title:	Signature: Date:
10.	Employee Name: Employee's Job Title:	Signature: Date:

Site Foreman: _____ Date: _____

"ALL ACCIDENTS ARE PREVENTABLE"

HEALTH AND SAFETY AUTHORITY

SAFE SYSTEM OF WORK PLAN (SSWP)

WORKING ON ROADS

Plan No. ☐

PART 1

Job Details	Resources Required	Emergency Details
Employer Name: _____	Worker Skills: _____	**Contact Names & Tel No.**
Responsible Person/Supervisor: _____	_____	1. _____
Number of Workers: _____	_____	2. _____
Specific Location: _____	_____	3. _____
Description of Works: _____	Plant/Equipment: _____	First Aider: _____
_____	_____	_____
_____	_____	Location of First Aid Box:
_____	_____	_____
Start Date: _____	Hazardous Materials: _____	**WORK PERMITS REQUIRED**
NOTE: A new SSWP must be completed when the task or the environment changes.	_____	Hot ☐ Electricity ☐ Excavation ☐
	_____	Confined Space ☐ Other ☐
		Method Statement Yes ☐ No ☐

Before Works Starts the following MUST be in place Tick the ✓ circle when confirmed



PART 2

SELECT HAZARD OR ACTIVITY | **SELECT CONTROL** — **All controls identified below must be in place before work starts**

Tick the ☑ box to identify controls required; Tick the ✓ circle when control is in place.



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PART 2

HAZARD OR ACTIVITY	CONTROL — Tick the ☑ box to identify controls required; Tick the ✓ circle when control is in place.									
Excavation	Batter Back	Trench Box	Sheet Piling	Shoring	Environment Risk Assess	Back Fill	Spoil Back	Chock	No Undermining	Ladder/ Access/Egress
	Exclusion Zone	Barriers	Covers	Pumping	Safe Stacking	Propping	Lighting	Examination & Inspection	Weather	Warning Signs
Falls and Falling Objects	Risk Assess	Scaffolding	Working Platform	Trestle Platform	Edge Protection	MEWP	Safe Ladder	Tie Ladder	Open Holes	Propping
Sewers/Culverts/ Mains/Services	Service Supplier	Divert / Off	Survey Map	Detect & Mark	Permit to Work	Hand Dig	Over Head Lines	Barriers	No Flames	Gas Bottle Storage
Working Close to Water	Edge Protection	Working Platform	Safety Line/Grab Line	Personal Floatation Device	Life Ring	Boat	Fall Arrest & Rescue	Diving	Coffer Dam	Platform & Crane
Substances	Storage/Labels	Safety Data Sheet	Hand Wash	No Eating	Biological Agents	Survey/Risk Assess	Permit to Work	Litter Picker	Cover Cuts	Wash Hands
Asbestos Cement Water Pipes	Identity/Survey	Risk Assess	Procedure	Dust/Wetting	Waste Removal	Examination & Inspection	Confined Space	Risk Assess	Survey	Permit to Work
Other Items	Housekeeping	Lighting	Ground Conditions	Degassing/Purging	Street Structures/ Drawings	Fire Control/Assembly	Emergency Procedures	Detect/Monitor	Tripod	Communication
Health	Assess Health Effects	Health Surveillance	Manual Handling	Risk Assess	Mechanical Aids	Work Organisation	Training	Identify	Other	Other
PPE	Safety Helmet	Safety Boot/Hi-Vis	Eye Protection	Safety Gloves	Ear Protection	Dust Mask	Respiratory Equipment	Face Protection	Safety Harness	Other

PART 3

Hazards, activities and controls on this SSWP identified by: _____ **Date:** _____ **Time:** _____

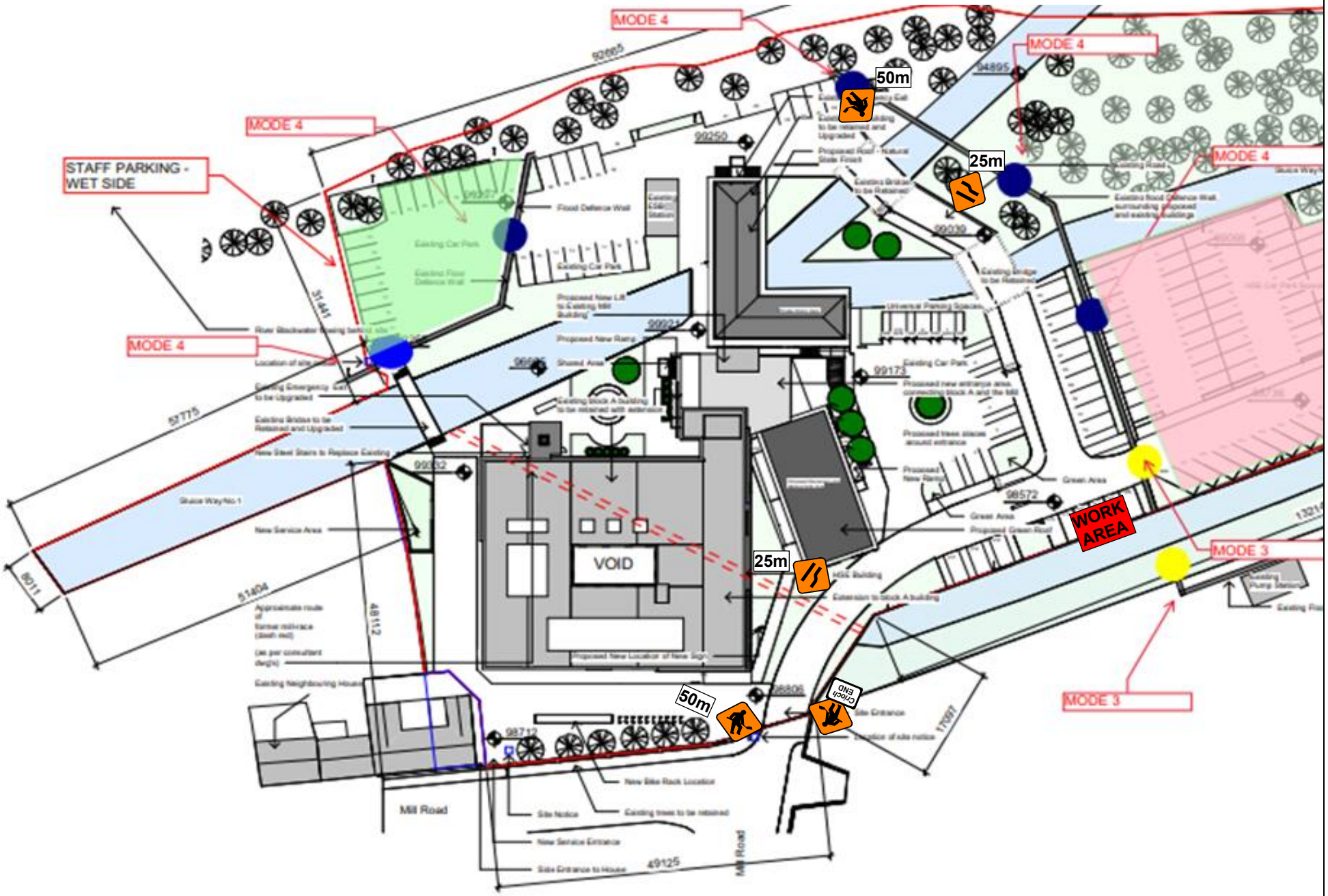
Controls put in place by: _____ **Date:** _____ **Time:** _____

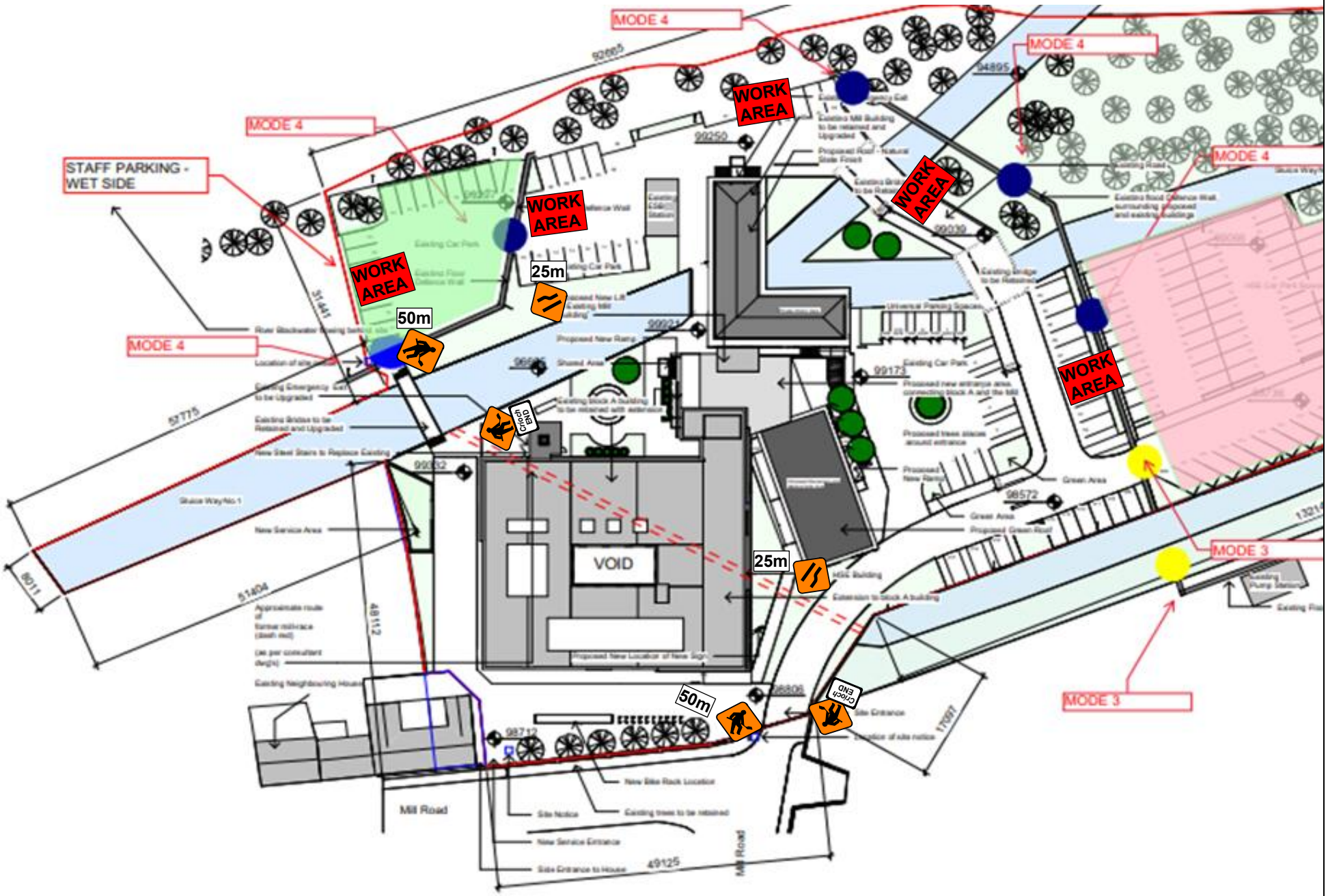
I have been made aware of the hazards & controls for this activity. **Signed by Team:**

NOTE: **This list of Hazards and Controls is not exhaustive and is in no particular order.**

IF IT'S NOT SAFE DON'T DO IT AND INFORM SITE MANAGEMENT

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MODE 4
MODE 4
MODE 4
MODE 4
MODE 4
MODE 3
MODE 3
STAFF PARKING - WET SIDE
50m
25m
25m
50m
WORK AREA
VOID
Mill Road
Mill Road
Flood Defence Wall
Existing Car Park
Existing Car Park
Proposed New Ramp
Shared Area
Existing Car Park
Green Area
Green Area
Proposed Green Roof
New Service Area
New Service Entrance
Site Entrance
Site Entrance to House
New Bike Rack Location
Existing trees to be retained
Site Notice
Existing Neighbouring House
Sluice Way No.1
Existing Bridge to be Retained and Upgraded
New Steel Stairs to Replace Existing
Proposed New Lift to Existing MH Building
Proposed new entrance area connecting block A and the MH
Proposed trees places around entrance
Existing Bridge to be Retained
Existing Bridge to be Retained
Existing Emergency Exit to be Upgraded
Existing block A building to be retained with extension
Extension to block A building
Proposed New Location of New Sign
Proposed Roof - Natural Slate Finish
Existing Flood Defence Wall surrounding proposed and existing buildings
Universal Parking Systems
Existing Pump Station
92665
94895
99250
99327
99039
99221
96805
99173
99092
98572
98806
98712
51441
57775
51404
48112
49125
17097
9011
1321
Cliffe End


MODE 4
MODE 4
MODE 4
MODE 4
MODE 4
MODE 3
MODE 3
STAFF PARKING - WET SIDE
WORK AREA
WORK AREA
WORK AREA
WORK AREA
25m
50m
25m
50m
CROSS END
CROSS END
VOID
Mill Road
Mill Road
92665
94895
99250
99327
99039
99221
99173
99032
98572
98806
98712
57775
51404
48112
49125
17097
9011
51441
Existing Car Park
Existing Mill Building to be retained and Upgraded
Proposed New Ramp
Proposed new entrance area connecting block A and the Mill
Proposed trees around entrance
Proposed New Ramp
Proposed Green Roof
Green Area
Green Area
Existing Bridge to be Retained and Upgraded
New Steel Stairs to Replace Existing
Sluice Way No.1
New Service Area
Existing Neighbouring House
Site Entrance
Location of site notice
New Bike Rack Location
Site Notice
Existing trees to be retained
New Service Entrance
Site Entrance to House
Existing Pump Station