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| ***METHOD STATEMENT NO.*** | MS02 |
| ***METHOD STATEMENT TITLE*** | Pier installation |
| ***PROJECT NAME / NUMBER*** | Inverawe pier - Dawnfresh - 95 |
| ***LOCATION*** | Inverawe, Taynuilt |
| ***START DATE*** |  |
| ***DURATION*** |  |
| ***WRITTEN BY*** | *Neil Ronald* | ***JOB TITLE*** | *Project Manager*  | ***DATE*** | *25/07/2022* |

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| ***REVISION DETAILS*** |
| ***REV NO*** | ***DATE*** | ***DESCRIPTION*** |
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| ***1.0*** | ***SCOPE OF WORKS*** |
| ***1.1*** | ***Brief Description of Works*** |
|  | Install of new pier and concrete works to existing pier |
| ***1.2*** | ***Briefing Arrangements & Sequence and Method of Work*** |
|  | * 1. **Briefing Arrangements**
		1. All personnel entering the site shall have received a site safety induction from the site supervisor or manager.
		2. Before work commencing McLaren of Craig Plant & Contracting Ltd will receive a permit to commence work. The content of the permit and the risk assessment and method statement will be briefed to the working party, who will thereafter sign the attendance sheet as evidence of their briefing. The Permit to Work and the requirements detailed within the method statement and risk assessment shall be strictly adhered to by the working party. Should any of the condition’s detailed within the Permit or the risk assessment and method statement change, the working party should stop work and seek advice from their supervisor.
		3. The briefing will be delivered by a responsible and duly authorised representative. At the end of the briefing, the briefer will test the understanding of the recipients by asking a number of open questions. Only when the briefer is satisfied that the arrangements are understood will works commence.
		4. A record of the briefing will be maintained for filing.
	2. **Sequence and Method of Work**
		1. As the site is located within the Dawnfresh compound it will not be necessary to fence off the site. There will be temporary safety fencing installed to segregate Dawnfresh operatives from the construction work areas.
		2. Prior to work commencing McLaren of Craig Plant & Contracting Ltd will ensure they have the most up to date utility services drawings for the area detailing services which may be present in the area. The content will be checked by a competent person and issued to site and used to survey the work area.
		3. Access to site shall be via approved access points. Suitable and sufficient access and egress will be provided to allow a 20T excavator to be safely delivered to site. Excavators and accessories will arrive on site with appropriate thorough examination certification.
		4. The working area shall be scanned in all modes by a calibrated CAT / Genny to locate underground services if any. If detected these shall be marked out with marker paint and positively identified by trail holing. Where an underground service is detected which was previously unknown or may impact on the proposed work McLaren of Craig Plant & Contracting Ltd shall contact Client Supervision for advice on how to proceed. No underground services are to be removed / altered without the permission of the Client.
		5. A competent banksman will be in place at all times during excavation/piling work activities. The banksman shall ensure that he is located in a place of safety at all times when the excavator is operating. The excavation shall be inspected prior to work commencing to ensure they are no defects. If detected this will be reported to the McLaren of Craig Plant & Contracting Ltd Supervisor and if necessary, taken out of service and replaced/repaired before commencing work. Records of inspections shall be recorded weekly.
		6. Mechanical excavation works shall not take place within 500mm of a known service. Safe hand digging techniques shall be adopted when working in close proximity to known services.
		7. Excavation/piling works shall be completed using 20T 360deg excavators.
		8. Once all services are located for the days work area, excavation/piling works will commence.
		9. The tide tables shall be checked so as we are always working at the lowest tides, this will prevent the need of any plant entering the water.
		10. All oversized materials shall be removed from the area to be piled.
		11. Once the work area is cleared, the piles shall be installed to either side of the pier using a piling attachment for the excavator.
		12. Once the reach of the excavator is exerted, imported crushed stone will be used to infill between the piles to a level that will keep the excavator out of the water and to gain access to piles further out.
		13. The previous 2 processes will be continued until all piles are installed.
		14. Bracing will then be fabricated to the piles as per drawings provided
		15. Once bracing is installed the rest of the backfill will be complete using imported crushed stone, compacting in 500mm layers using a vibrating roller
		16. After reaching the full height of crushed stone required, the concrete pad will then be installed as per drawings.
		17. All furniture to be installed once concrete has cured.
		18. A safety boat may be required during certain works at water’s edge.
		19. Once all works are complete, the work area will be tidied and handed back to Dawnfresh.
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| ***2.0*** | ***RESOURCES*** |
| ***2.1*** | ***Personnel*** |
|  | 1 x Site Manager1 x SupervisorsSite operatives |
| ***2.2*** | ***Plant, Equipment and Tools*** |
|  | * 20T Excavator
* Piling attachment for excavator
* Concrete skip
* Relevant power tools
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| ***2.3*** | ***PPE*** |
|  | * High Visibility Clothing
* Eye Protection specific for the task
* Ankle height Safety Boots with steel toecaps
* Safety Helmet
* General Purpose work Gloves and other gloves specific for the task
* Hearing Protection when required for the task
* Dust Masks (FFP3) when required for the task
* Life jackets
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| ***4.O*** | ***SUPPORTING DOCUMENTATION*** |
|  | Site diary and task briefings to be carried out on a daily basis.Tide tablesDrawings provided by WRD |
| ***5.0*** | ***HEALTH, SAFETY AND ENVIRONMENT*** |
| ***5.1*** | ***Risk Assessments*** |
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| ***5.2*** | ***Hazardous substances*** |
|  | *Petrol and Diesel* *Concrete* |
| ***5.3*** | ***Environmental Issues*** |
|  | Spill kit available within company vans. In the event of a spillage – spills are to be cleaned up using the spill kit. Used spill kits are to be returned to the Yard and placed in the Special Waste Bin. A replacement spill kit is then to be requested from your Supervisor. Any spill no matter how small should be reported to your Supervisor and to Client immediately. Ensure refueling takes place in a designated refueling area at a minimum of 20m from any watercourseUse of concrete within a marine environment, Method statement to be followed to prevent the potential of concrete spillage |
| ***6.0*** | ***WELFARE & FIRST AID ARRANGEMENTS***  |
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| ***7.0*** | ***EMERGENCY ARRANGEMENTS*** |
|  | In the event of any accident/incident the Client must be informed as soon as possible.All incidents must be reported to McLaren of Craig Plant & Contracting Ltd as soon as possible and via Clients specific information route.The supervisor will be the main point of contact during any accident/incident. A first aid kit will be available on the worksite.**Rescue Plan** 1. Ensure prior to works that there is a working fully charged mobile phone in the event of an incident.
2. Where mobile phone signal is not present, there are to be walkie talkies available to contact the site office who can call emergency services.
3. McLaren will ensure that all operatives are competent for the requirements of an emergency situation.

**EMERGENCY SERVICES DIAL 999** |
|  | ***EMERGENCY CONTACT LIST*** |
| ***Position*** | ***Name***  | ***Main Contact Number*** |
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|  |  |  |
|  | ***OPERATIVES SIGNING SHEET*** |
| ***SIGNATURE*** | ***PRINT NAME*** | ***DATE*** |
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