Method Statement: Site Set Up:
Compound, Parking & Material Storage

Version Issue.

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<th>Date</th>
<th>Version Details</th>
<th>Revised by</th>
</tr>
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<td>7/5/14</td>
<td>Issue</td>
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Acceptance / Approvals.

<table>
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<tr>
<th>Prepared by:</th>
<th>Reviewed by:</th>
<th>Accepted by:</th>
<th>Name</th>
<th>Signature</th>
<th>Date</th>
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<tbody>
<tr>
<td>M Blackweir</td>
<td>A McGinley</td>
<td>D Meade</td>
<td>7/05/2014</td>
<td>12/05/2014</td>
<td>12/05/2014</td>
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Date: 7/5/2014
Title: Site Set Up

Location: N60 Balla to Claremorris Road Realignment at Heathlawn Scheme

Task at Hand
This method statement outlines the procedure and methodology for the site compound set up, including Parking and Material Storage.

Timing of Task
To be advised subject to Contractor appointment.

Supervision of Task (Typical)

<table>
<thead>
<tr>
<th>Name</th>
<th>Contact Number</th>
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<tbody>
<tr>
<td>Contracts Manager:</td>
<td>TBC</td>
</tr>
<tr>
<td>Site Agent:</td>
<td>TBC</td>
</tr>
<tr>
<td>Foreman:</td>
<td>TBC</td>
</tr>
<tr>
<td>Suitably Qualified Ecologist</td>
<td>TBC</td>
</tr>
</tbody>
</table>

Employees Involved (Typical)
- Plant Operators
- Banksman
- Site Supervisor
- General operatives

Plant & Equipment to be used (Typical)
- 20 ton Excavator
- Komatsu D65 Dozer
- A25 Volvo Dump Truck
- 100mm De watering pump
- 10 Ton Vibtomax Roller
- Hiab trucks

Specific Training
- All site personnel shall have FAS ‘Safe Pass’ certification.
- All Excavator, Dumper and Crane drivers shall have CSCS certification.
- CSCS certified representative in underground service location
Personal Protective Equipment

<table>
<thead>
<tr>
<th>Safety Gloves</th>
<th>Hearing Protection</th>
<th>Eye Protection</th>
<th>Respiratory Protection</th>
<th>Coveralls</th>
<th>Other</th>
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</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Where required</td>
<td>Yes</td>
<td>NO</td>
<td>No</td>
<td>Hi Vis- Vest</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Hard Hats</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Boots</td>
</tr>
</tbody>
</table>

Methodology

- Traffic Management (TM) on existing N60 shall be set up as per TM plan. All TM will be confined to existing N60.
- Before any excavations shall commence a permit to excavate shall be issued by authorised representative.
- All personal involved in the operation shall be site inducted and briefed before works commence.
- Topsoil shall be stripped using excavators and stockpiled within perimeter of compound fencing.
- Stone for compound surfacing shall be delivered in tipper truck and graded in to place using excavator.
- Once stone base is in place perimeter fencing shall be erected, all within the project permanent fenceline. This shall consist of steel palisade fencing. Once compound fencing and gates are in place mobilization of site offices and containers shall commence.
- Typical Site layout shall be as shown on Fig 1 in Appendix A (attached).
- Containers shall be delivered in flat-bed trucks and lifted off by excavators. Site Agent/Supervisor to ensure all lifting equipment has relevant GA 1 certificates before any lifting operations commence.
Potential Ecological / Environmental Impacts, including impacts on Balla Turlough cSAC and/ or other European sites

NIS / EAR: Relevant Extracts:

Potential Impacts (in the absence of below Mitigation):
- Potential Surface & groundwater contamination during construction.
- Potential Increase in run-off volumes to Turlough during construction.
- Pollution from Surface Water run-off during Construction.

Mitigation:
- The site compound shall not be placed within 100m of Turlough.(Refer to Figure 2 in appendix A for proposed Site Compound location)
- All fuels, oils, greases, hydraulic fluids and chemical storage areas will be stored in bunded compounds/areas on impermeable bases at least 10m from the proposed drainage system and 100m from the cSAC and Un-named Turlough.
- All waste from toilet blocks shall be stored in metal storage tank and disposed of by licensed waste company when required.
- Fuel storage areas will be bunded to provide adequate retention capacity in the event of a leak or spillage occurring; and kept at least 10m from the proposed drainage system and 100m from the cSAC and Un-named Turlough.
- Construction works carried out in the vicinity of the Turloughs will be monitored by a suitably qualified ecologist.
- To reduce potential increases in flows into the drainage system and downstream Turloughs during construction, the period of exposure of bare areas and uncontrolled runoff from new hardstanding areas will be limited. Early covering/seeding/planting of exposed surfaces will be undertaken.
- Material stockpiles will be kept to a minimum size, covered and located at least 10m from the drainage system and 100m from Turloughs.
- To prevent contaminated or silt-laden runoff from entering the Turloughs, a range of temporary measures will be implemented, including silt fences, cut-off ditches, silt traps, straw bales, entrapment matting and drainage to vegetated areas.
- Runoff will be controlled and, if required, directed to settlement ponds or sumps. Any temporary attenuation and treatment facilities will be designed and implemented in accordance with CIRIA C697 (2007). All temporary treatment systems will be regularly inspected and maintained.
- The extent of construction activities will be controlled to limit vegetation removal and the exposure and/or compaction of soils. Land surrounding the immediate construction area will be fenced off, or otherwise demarcated, to prevent inadvertent intrusion from construction plant.
- Construction works will be avoided during prolonged periods of very heavy rainfall adjacent to the Balla Turlough cSAC and Un-named Turlough.
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- No construction plant or construction vehicles to enter the Balla Turlough cSAC boundary other than where this boundary has already been generally encroached by the existing road.
- Refuelling of machinery shall be carried out off-site, or when on-site not within 100m of turlough habitat.
- No machinery to enter turlough habitats, no temporary access or haul routes are located in turlough habitats and no temporary storage areas, plant or other obstacles are located within turlough habitats.
- Monitoring of turbidity (suspended solids) levels in Balla Turlough SAC and the Un-named Turlough will be undertaken on a monthly basis for a minimum of 6 months prior to construction and will include monitoring during the winter season when Turlough water levels are most likely to be present. Monitoring will also be undertaken on a weekly basis during construction for turbidity (suspended solids). In the event of suspended solids concentrations that are higher than the 95th %ile of those monitored during the pre-construction monitoring period, a review of the Sediment and Erosion Control measures and plan will be implemented and additional sediment control measures put in place as required. Daily visual inspections of Balla Turlough SAC and the Un-named Turlough will also be undertaken during the construction phase to confirm the absence of sediment from construction works.
- The N60 Balla to Claremorris Erosion and Sediment Control Plan shall be implemented to prevent sediment or pollutants from reaching the Balla or Un-named Turloughs.
- All mitigation contained within the N60 Environmental Assessment Report and NATURA Impact Statement shall be implemented in full.
Specific Identified Residual Risks to Civil Works
The following is a list of identified particular risks associated with above works

- Underground Services
- Excavations
- Plant and Equipment
- Manual Handling
- Lifting Operations
- Biological Substances

Appendix B (attached) gives detailed risk assessments for risks identified above.
Relaying of Information; to each operative:

“I wish to confirm that the information in this method statement has been communicated to me and I have understood it. I shall bring to the attention of the supervisor any issues, which may affect Safety whilst carrying out the task”.

Information provided by Supervisor: ______________________________

<table>
<thead>
<tr>
<th>NAME (BLOCK)</th>
<th>Signature</th>
<th>DATE</th>
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</table>

In the event of the need for a deviation from the Method Statement, no further work will be done until agreement has been reached and recorded in writing between the client & the contractor on the method of work to be followed in the new circumstances.
Appendix A
Method Statement: Site Set Up: Compound, Parking & Material Storage

Date: 7/5/14
Ident No: MS-N60-01

Fig 1 – Typical Site Layout – (refer to drawing attached for location)

Layout
1. Storage Container
2. Toilet Block
3. Canteen
4. Site Office
5. Drying Room
6. Meeting Room
7. ER Site Office
## APPENDIX B

### Risk Assessments

#### Hazard/Risk Assessment Proforma

<table>
<thead>
<tr>
<th>Project:</th>
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<th>Risk Assessment No:</th>
<th>N60/RA01 Rev 0</th>
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<td>Location/Area:</td>
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<td>Method Statement No:</td>
<td>MS-N60-01 Rev 0</td>
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### CATEGORY OF PERSONS AT RISK AND MEANS OF BRIEFING

<table>
<thead>
<tr>
<th>CATEGORY OF PERSONS</th>
<th>Means of Briefing</th>
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</thead>
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<tr>
<td>Occupations involved in Activity (Specify):</td>
<td>Plant operators, general operatives,</td>
</tr>
<tr>
<td>Others Persons at Work (Specify):</td>
<td>N/A</td>
</tr>
<tr>
<td>Public or Other Parties (Specify):</td>
<td>NA</td>
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</table>

**Description of the task/operation**

1. All aspects of excavations.
2. Lifting operations

### Key

- **S** = Severity Rating
- **L** = Likelihood of Occurrence
- **RR** = Risk Rating

<table>
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<th>Severity</th>
<th>Likelihood</th>
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<th>2</th>
<th>3</th>
<th>6</th>
<th>9</th>
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<tbody>
<tr>
<td>Negligible</td>
<td>Improbable</td>
<td>3</td>
<td>3</td>
<td>6</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Minor</td>
<td>Reasonably likely</td>
<td>2</td>
<td>1</td>
<td>4</td>
<td>6</td>
<td></td>
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<tr>
<td>Notifiable/Major/Fatal</td>
<td>Certain or near certain</td>
<td>1</td>
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<td>2</td>
<td>3</td>
<td></td>
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</table>

<table>
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<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td></td>
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- **Unacceptable risk, plan out or add further controls**
- **Acceptable only if no other method viable and with high level controls in place**
- **Acceptable if suitable controls**
- **Acceptable, no further action required**

**Risk Assessment Prepared by (Name):**

**Signature:** ____________________________

**Risk Assessment Reviewed by (Name):**

**Signature:** ____________________________
### Method Statement: Site Set Up: Compound, Parking & Material Storage

#### Date
7/5/14

#### Ident No.
MS-N60-01

<table>
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<tr>
<th>Item</th>
<th>Activity</th>
<th>Hazards/Risks Identified</th>
<th>Pre-Control Risk Rating</th>
<th>Control Measures</th>
<th>Residual Risk Rating</th>
<th>Responsibility</th>
<th>Monitoring Responsibility</th>
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<tbody>
<tr>
<td>01</td>
<td>Existing Services</td>
<td>Work near significant existing services in addition to electricity - ESB services - Telecommunications</td>
<td>2 2 4</td>
<td>Detailed Method Statements and Risk Assessments to be carried out for all activities which have potential to impact on existing services - Request temporary outages on services - Worker Briefings to be carried out - Consult with Statutory Bodies to obtain service drawings - Adhere to Codes of Practice for avoiding dangers from underground services - Trial holing in advance - Permit to Dig system to be implemented - Use of Catscan equipment - Use of trained plant operators - Use of Banksman</td>
<td>2</td>
<td>Full site Team</td>
<td>Contr</td>
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</table>
## Method Statement:
### Site Set Up:
**Compound, Parking & Material Storage**

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</table>
| 02   | **Excavations** (Ducting and sewage works) | - Burial under earthfalls  
- Work in trenches or near saturated ground / high water table.  
- Excavation Collapse  
- Trench Collapse  
- Falls from Height into excavations | 2 2 2 | - Detailed Method Statements and Risk Assessments to be carried out pertaining to each particular activity  
- Permit to Dig System to be Implemented  
- Area to be scanned using CAT Scan techniques.  
- Suitable Plant to be utilised in excavation operations  
- All excavations to be monitored on a daily basis. AF3 to be completed weekly.  
- Competent Machine Operators to be utilised FAS CSCS qualifications  
- Adequate Trench Support Systems to be utilised i.e. trench boxes/sheets, battering of trenches  
- Temporary Works procedures to be implemented  
- Dewatering systems to be implemented where required.  
- Suitable access to be provided to trenches  
- Perimeter fencing and signage to be put in place and secure excavations | 2 1 1 | Full site Team | Contr |
### Method Statement: Site Set Up: Compound, Parking & Material Storage

**Ident No.**

**MS-N60-01**

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<th>Responsibility</th>
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</table>
|      | **Moving Heavy Plant and Equipment** | Working adjacent to Heavy Plant and machinery including excavation plant and lifting appliances **Hazards** Noise. Operated by untrained individual Incorrect use. Speeding. Poor maintenance. Unsupervised reversing. Overloading **Risks** Struck by site transport Falls from vehicles. Splashed by fuel during refuelling. Tipping or overturning of vehicles. Contact with moving parts of machinery | 3 2 6                   | - Detailed Method Statements and Risk Assessments to be carried out for all activities to address the movement use of heavy equipment.  
- Worker Briefings to be carried out  
- Plant to be operated by Competent Personnel  
- Plant to be in good order and inspected daily prior to commencement of any works on site  
- Auxiliary devices and visual aids on plant as highlighted in Schedule 6 of 2006 Construction Regulations.  
- Carry out plant checks and record on plant checklists  
- Vehicle Banksmen to be utilised where required  
- Segregate traffic from public and workforce where possible  
- Implement work exclusion zones where appropriate  
- Implement Traffic Management Plans  
- Ensure all personnel were appropriate PPE and high visibility clothing | 3 1 3                   | Full site Team | Contr |

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Date: 7/5/2014
**N60 Balla to Claremorris Road Realignment at Heathlawn Scheme**

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**Date:** 7/5/14

**Ident No.:** MS-N60-01

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<th>Responsibility</th>
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</tr>
</thead>
</table>
| 04   | **Lifting Operations**    | **(Offloading containers)**                                                                                                                                  |                         | **Ensure permit to lift system is in place**  
**Ensure all plant operators have relevant CSCS certificates for plant they are operating.**  
**Ensure all lifting equipment have relevant and up to date GA 1 certificates.**  
**Ensure all pedestrians and site vehicles are cordoned off from lifting operations.**  
**Use of stabilizing pads or beams under any jacking legs used on lifting equipment.** |                         | 3 1 3 | Full Site Team | Contr |
### Item 05: Biological Substances (Refuelling diesel and oils) Sewage Connections

- **Hazards/Risks Identified**: Works which put person at work at risk from Biological substances
  - Leptospirosis /Weils Disease
  - Contact with contaminated ground or objects or materials contaminants, Red Lead
  - Handling construction chemicals, cement, curing agents etc
  - Handling flammable substances.
  - Working on existing streams and drains, particularly foul drains.

- **Pre-Control Risk Rating**: 3 2 4

- **Control Measures**:
  - Detailed Method Statements and Risk Assessments to be carried out for all activities where biological substances are envisaged including contaminated ground and dealing with asbestos gaskets
  - Specialist contractors to be utilised to deal with asbestos
  - Areas of potential contaminated ground to be tested and areas segregated
  - COSHH Assessments to be carried out and briefed to workers
  - MSDS Sheets to be available for construction chemicals in use
  - Ensure adequate assessment of PPE requirements for works
  - All operatives engaged in sewer tie in works to wear appropriate PPE which will include gloves and disposable overalls.
  - All operatives to be briefed and trained
  - Adequate awareness of and protection against Weils disease

- **Residual Risk Rating**: 3 1 2

- **Responsibility**: Full site Team

- **Monitoring Responsibility**: Contr
### Item 06: Manual Handling

<table>
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<tr>
<th>Activity</th>
<th>Hazards/Risks Identified</th>
<th>Pre-Control Risk Rating</th>
<th>Control Measures</th>
<th>Residual Risk Rating</th>
<th>Responsibility</th>
<th>Monitoring Responsibility</th>
</tr>
</thead>
</table>
|                       | Fractures, Strains, Sprains                                                             | 3 2 6                  | - Use of mechanical assistance wherever possible, e.g. forklift, plant, lifting appliance etc.  
  - Reduce loads by making them smaller or lighter.  
  - Ensure the working environment is suitable i.e. access ways are unimpeded and properly lighted.  
  - Working platforms should be non-slip and kept clean.  
  - Ensure that the individual is lifting correctly, maintains good posture, and lifts with knees bent and back kept straight.  
  - All loads should be assessed individually for size and weight, but generally loads greater than 25kg should be handled by more than one person or mechanical means employed.  
  - Operatives must wear appropriate gloves and other clothing to reduce the risk of injury.  
  - Ensure that all previously experienced back complaints are brought to the attention of management, in order that allowances may be made in ascertaining the safest method of manual handling. | 3 1 2                | Full Site Team       | Contr                                                  |