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| **Method Statement and Risk Assessment** | | | | | | |
| Site Address | | | Cullen Burn, A98 Viaduct (E:350616/N:867215) | | | |
| Work Type | | | IP Gas Main temporary Protection Measures | | | |
| Project |number | | | TGSC0541 | | | |
| Issue date | 20.01.2020 | | | Revision dates |  | |
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| Issue by | Tom Cuthbert | | | Role: | Principal Designer | |
| Distribution | | | | | | |
|  | Name | SGN H&S file | | | |  |
|  | Name | Sandy Watson, SGN | | | |  |

**Method Statement**

To be read in conjunction with the Risk Assessment

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| **1 Description of the work** | | | | | | |
| The purpose of the work is to carry out temporary protection measures over an exposed section of 200mm IP Steel Gas Main, the gas main is located within Cullen Burn. The protection measures will include covering any sections of exposed pipeline with gravel and placing Whinstone slabs (kerbs) over the line of the pipe. The slabs will be rectangular in shape with dimensions of approximately 850x260x130mm and approximately 93kg in weight.  The full scope of work is detailed as an appendix to this document. | | | | | | |
| **2 Details of work programme** | | | | | | | |
| Start date | | | Summer 2020 - TBC | | | | |
| End date | | | Summer 2020 - TBC | | | | |
| Total duration of work (days) | | | 7 | | | | |
| Duration of site preparation (days) | | | 1 | | | | |
| Duration of construction work (days) | | | 6 | | | | |
| Maximum number of workers on site | | | 6 | | | | |
| Number of person days | | | 42 | | | | |
| **3 Type of work** | | | | | | | |
|  | | | **Yes** | | | **No** | |
| Construction | | | ✓ | | |  | |
| Demolition | | |  | | | ✓ | |
| Landscaping | | | ✓ | | |  | |
| Work in water bodies | | | ✓ | | |  | |
| Deep excavation | | |  | | | ✓ | |
| Use of explosives | | |  | | | ✓ | |
| Use of coffer dams or caissons | | |  | | | ✓ | |
| Confined spaces | | |  | | | ✓ | |
| Extreme temperatures | | |  | | | ✓ | |
| **4 Notifications** | | | | | | | |
| CDM 2015 | | | No | | | | |
| **5 Organisations involved** | | | | | | | |
| Client | | | Scotland Gas Networks (SGN) | | | | |
| Principal designer | | | Scotland Gas Networks (SGN) | | | | |
| Designer | | | Scotland Gas Networks (SGN) | | | | |
| Principal contractor | | | Scotland Gas Networks (SGN) | | | | |
| Contractor | | | C.T. Construction | | | | |
| **6 Consents to undertake the work** | | | | | | | |
| Planning permission | | | Not required | | | | |
| PS6 Design | | | Not required, approved via CRG | | | | |
| Other | | |  | | | | |
| Other | | |  | | | | |
| Other | | |  | | | | |
| **7 Roles and responsibilities** | | | | | | |
|  | | **Name** | | | **Telephone** | |
| Client representative | |  | | |  | |
| Competent person | |  | | |  | |
| Nominated responsible person | |  | | |  | |
| Controller of the works | |  | | |  | |
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| **8 Safety documentation** | | | | | | | |
| All work to be carried out in accordance with the following: | | | | | | | |
| A | Health and Safety at Work Act 1974 | | | | | | |
| B | The Management of Health and Safety at Work Regulations 1999 | | | | | | |
| C | Construction (Design & Management) Regulations 2015 | | | | | | |
| D | SGN Safety Management Framework: Management Procedure for the use of Mechanical Plant in close proximity to Utility Apparatus (SGN/WI/SW/3) | | | | | | |
| **9 Existing documentation** | | | | | | | |
| H&S File | | | | Yes | | | |
| Other | | | |  | | | |

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| **10 Location** |
| IP Gas Main – Visible within Cullen Burn |

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| **11 Design – Temporary Protection Measures** | | | | | |
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| **12 Site access** | | | | | |
| Access to the site is off the A98. An entrance exists leading off a public carpark west of Cullen adjacent to Cullen Links Golf Club.  The overflow public car park may be restricted slightly during our works but will remain open to public. | | | | | |
| **13 Site facilities** | | | | |
| Site compound | | A site compound will be established at the site including welfare facilities, a site storage area, parking and turning area. | | |
| Welfare facilities | | A mobile welfare unit will be on site for the duration of the work. | | |
| Re-fuelling | | A bunded re-fuelling point will be created in the site compound. | | |
| Security | | Fencing will be erected around the site with the gates locked when the site is not occupied. | | |
| Communications on site | | Mobile phone signal is available around the site. | | |
| **14 Personal protective equipment (PPE)** | | | | |
| PPE will be worn without exception during the work.  The PPE used will be appropriate to the task undertaken and inspected before and after use.  Damaged or worn equipment will be replaced.  The following lists the PPE which will be provided to all personnel working on the site:   * Safety helmet * High visibility jacket * Gloves * Waterproof trousers * Safety glasses * Waterproof boots * Waders | | | | |
| **15 Emergency plan** | | | | | |
| IP Gas Main | Mechanical lifting operations will be carried out in close proximity of, but not directly on, a SGN Gas Main. Precautions for avoiding damage to the pipeline will be discussed with SGN prior to starting the work.  SGN procedures for carrying out work next to the IP Gas Main will be followed at all times.  Emergency procedures to be followed if the Gas Main is damaged will be notified to all members of the working party and written instructions clearly displayed in the site welfare facility. | | | | |
| Health and safety | Responsibility of the Principal Designer during the site preparation stage.  Responsibility of the Principal Contractor during the construction stage. | | | | |
| First Aid | A qualified first aider will be on site at all times  A first aid “first responder” backpack will be kept in the welfare unit for use around the site | | | | |
| Fire | Portable fire extinguisher will be kept in the welfare unit and within CT Construction Team Vehicles | | | | |
| Pollution prevention | The work will be carried out in the river so suitable protection will be installed.  The Mechanical Excavator (lifting Operations) will be thoroughly checked for leaks each morning, prior to commencement of work and will only contain biodegradable oils for works within Cullen Burn. | | | | |
| **Emergency services** | | | | | |
| Police Scotland | Turner Street Keith AB55 5DJ | | | Tel: 01786 289070 | |
| Doctor | Cullen Medical Centre  Reidhaven Street  AB56 4SZ Cullen | | | Tel: 01542 835577 | |
| Hospital | Seafield Hospital Buckie  Barnhill Rd, Buckie  AB56 1EJ | | | Tel: 01542 832081 | |
| **16 Project management** | | | | | |
| Project meetings | | | Project meetings will be held when necessary between the Client, the Principal Designer and the Principal Contractor | | |
| Arrangement for involving workers | | | Workers will be consulted on a daily basis about any issues related to the work and health and safety | | |
| Site induction | | | All personnel entering the site will be given a site induction by the Principal Contractor | | |
| Site inspections | | | The Principal Contractor will carry out regular checks of the site through the construction work | | |

**Risk assessment**

To be read in conjunction with the Method Statement

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| **1Hazard identification and risk control** |

| **Hazard** | **Risk control** | **Hazard score**  **(5 = high)**  **(1 = low)** | **Hazard score after risk control**  **(5 = high)**  **(1 = low)** |
| --- | --- | --- | --- |
| Working in the vicinity of a gas pipeline | * SGN safety rules for working next to a gas pipeline will be followed at all times * A mechanical excavator will be used for lifting operations but will not be permitted to carry out any excavation work within Cullen Burn or Within 3.0m of the Gas Main out with the Burn. * If the Gas Main is damaged then the SGN control room will be notified immediately. | 5 | 1 |
| Working in a remote area | * All personnel will be fully briefed about the site conditions before entering the site. * The weather, river level and ground conditions will be checked prior to entering the site and if considered to be a medium or high risk then the site will not be entered. * Only personnel experience in remote working will work on the site. * CT Construction office will be informed at the start of each day of the personnel going onto the site and the work to be undertaken. * All CT Construction personnel will carry a mobile phone * If the weather or river conditions   during the day become severe then the work will be abandoned, and all personnel will leave the site.   * All personnel will be issued with appropriate PPE and PPE suitable for each task will be worn at all times. | 3 | 1 |
| Working with heavy machinery | * Only qualified machine operators will use the excavators and attachments. * Machine operators will be responsible for ensuring the safety of the vehicle they are operating. * Machinery will not carry out excavation work across the pipeline. * When a machine needs to cross the pipeline it will track over the existing access road. | 5 | 2 |
| Working in water | * The work will involve installation of pipework protection measures within the Burn. Personnel will test the depth of water and only enter if less than 1m. * All personnel entering the water will wear protective footwear and rubber gloves with waterproof trousers and jackets. A water supply will be held on site for washing clothes and boots at the end of each day. | 2 | 1 |
| Working on rough ground | * Ground conditions are uneven around Cullen riverbank. There are numerous hazards with loose stones under foot within the shingle deposits (bed of burn) * Personnel will wear suitable footwear for the conditions. | 3 | 1 |
| **Summary of hazard scores** |  | **18** | **6** |

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| **2 Review of risk assessment** |
| * This risk assessment covers work to be carried out in Summer 2020 (TBC). * The risk assessment will be reviewed by the Principal Designer if the work changes. * Any work not covered by this risk assessment will be notified to the Principal Designer prior to undertaking the work and a separate risk assessment carried out for the work. |

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| RAMS prepared by: Tom Cuthbert (SGN) |
| Date: 20th January 2020 |