



Method Statement
for
Construction of Rights of Way/Bridle Path.

Woodcroft Farm
Waterlooville

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1. Introduction

Millgrove Construction have been instructed by Grainger PLC to construct the towpath /Bridal way

A full specification agreed between Grainger PLC has been included in Appendix.

A plan showing the extent of the works being carried out is included in Appendix.

2. Proposed Method of Working

2.1 General

The work to the Footpath/Bridle way will be carried out following inspections and sign offs. A CAT scan will be carried out prior to any excavation to pinpoint the location of the services within the path. Exploratory hand digs will take place to ascertain the depth of the services, width of the path and type of substrate adjacent to the path prior to the main works commencing.

The material being used will be transported to site within the allocated time slots to prevent any vehicles from traveling to site in sensitive school times

Millgrove Construction will only use machinery, plant and equipment that will not damage tree roots, weight loading enforced on the ground will prevent any damage to tree roots, root protection has been erected and will be inspected daily to make sure no damage has accrued while construction of the path is in progress

A programme of works has been devised for this project lasting a proposed 4 week however there is a **two-week** contingency should bad weather be encountered.

Millgrove Construction will maintain close communication with Grainger's and local council whilst this work is being carried out to ensure the works are carried out to the specification and to their satisfaction.

2.2

A central compound will be located as shown on the drawings and will be established along the fence line of the field ensuring that clear access remains to the gate. This will be fenced off with Heras fencing and will contain a mobile welfare facility, storage space and parking for all machinery, plant and equipment.

Remove surface covering of turf and set aside for re-use, once bridle way has been formed

Lay Geotextile Terram 100 or like all areas, once required depth and width has been achieved

Once the Terram has been laid a covering of 150mm infill of Type 3 sub-base will be installed. Sub base to form haunching to the sides of the bridle way

Once the sub-base has been lightly compacted, cover with Geotextile Terram 1000 or similar. On top of the Terram will be laid 30mm bedding layer of angular aggregate within the range of 5-20mm

Bodpave 85 paver cells will be laid onto the second layer of Terram with angular aggregates within the range of 5-20mm

The finished surface covering will comprise of 50mm layer of Coxwell self-binding gravel.

The set aside turf will then be used to dress the haunching and other required areas if needed to tidy up.

The width of the Bridle way will be 3.5 meters.

2.3 Communication

Millgrove Construction will supply and erect specific signage under the guidance of Grainger and the local authority. This will include advanced notice of the works commencing giving a description of the works and the areas being worked. Prior to works commencing notices showing the diversionary routes will be erected.

At the commencement of the works all health and safety warning signs will be erected along with diversion signs showing the route to avoid the works. Where escorted thorough fares are in place the signage to the site will show instructions of what to do in this area.

Lighting to the working areas will not be required as all works will be lifted at the end of the working day and at the weekends.

3. Safety Implications and Arrangements

3.1 General

Millgrove Construction regards the provision of a safe and healthy working environment on construction sites a principal objective. This objective can only be achieved by the co-operation of the Company, employees, subcontractors, the client and his representatives. Co-operation must be at all levels within these different organisations through the structures established under the Construction Design Management Regulations 2015 (CDM 2015).

Millgrove Construction will collaborate with all parties to provide the organisation, advice and resources to meet this commitment so far as is reasonably practicable. Authority to implement this statement is defined for all those who have a responsibility for health and safety.

Millgrove Construction has established a series of management procedures to ensure that health and safety issues retain a high profile during all stages of the Company's activities. Such procedures are devised to conform with the requirements of CDM.

It is the responsibility of Millgrove Construction to:

1. Sustain and carry out this statement at their disposal;
2. Provide adequate safety and job training for all employees with attention to special safety training where appropriate;
3. Comply with the requirements of the relevant legislation, to undertake risk assessments of all activities and to ensure that safe systems of work and safe working environment are put in place.
4. Ensure that the operations of the Company are carried out without risk to health and safety of third parties that may be affected.

Millgrove Construction will seek to maintain a constant interest in all aspects of safety by effective consultation with all parties concerning hazards and incidents which affect health and safety at work and to prevent any adjustment or damage to plant and equipment which may create a hazard.

All managers and supervisors are responsible for the safety of employees, subcontractors and visitors in their charge along with others that may be affected by the company's actions and must ensure that policies and procedures are made known and are observed. It is their responsibility to ensure the effective delegation of these duties during their absence.

Employees, subcontractors and visitors to site are responsible for observing Company policies and procedures and for ensuring that always they work in a manner consistent with the safety of themselves and others.

The effectiveness of health and safety measures will be monitored continuously to ensure that both policy and practice are appropriate always to the activities of the Company.

Below are the outline risks and control measures for the work being carried out.

3.2 Site specific risks and control measures

Hazard/Risk	Description	Control	Owner i.e. MC or Sub - Contractor
PUBLIC SAFETY			
A) Unauthorised Access	Unauthorised persons entering site.	Hoarding/Herras fence to be erected around site set up and working areas. All visitors must sign in at compound	MC
B) Vehicular Movement	Deliveries to site Excavators and plant moving around site	PC to monitor all deliveries and to be met by a banksman. All plant movement to be monitored by a banksman	MC and Sub – Contractor (SC)
C) Pedestrians	Pedestrians entering working area	Pedestrians to be diverted away from the site. Where diversions cannot be achieved escorted thoroughfare system to be utilised.	MC
ENVIRONMENTAL			
A) Noise	Machinery/ General construction work	All machinery will have silenced exhausts. Noisy work will be kept to minimum so as not to disturb visitors or staff	MC
B) Vibration	Vibrating machinery	All machinery to be vibration dampened and exposure time to be limited.	MC and SC
C) Dust	Air borne dust from construction work	Areas to be closed off, sheeted down and then cleaned after each operation is completed.	MC
D) Pollution	From re-fuelling or spillage	Vehicles and plant to be re-fuelled in compound areas away from water course. Spill kits to be positioned along route in case of accidental spillage	
SERVICES			
Gas	Possibility of damage during excavation	Area to be CAT scanned prior to any excavation. Service plans to be obtained prior to work starting	MC and SC
Electricity	AS ABOVE also damage to overhead cables whilst using Excavators	CAT scan area prior to excavation.	MC and SC
Telephone	AS ABOVE	AS ABOVE	MC and SC
Water	AS ABOVE	AS ABOVE	MC and SC
Cable services	AS ABOVE	AS ABOVE	MC and SC
Services not plotted	AS ABOVE	AS ABOVE	MC and SC
Competence of operatives working on services listed above	Competent operatives to work on services listed	Only operatives certified to work on services listed will be employed	MC and SC

EMERGENCY SERVICES			
A) Fire Risk on Site	Possible risk of fire due to hot engines and plant	All re-fuelling carried out in compound areas Remove combustible materials. Extinguishers and fire protection to be available in compound and along working route.	MC
B) Drowning	Possible risk of falling into waterway	All operatives to wear life jackets. Portable lifesaving stations to be placed along the working route	N/A on this site
C) Access routes obstructed	Materials blocking escapes	No materials to be stored in access and egress routes to allow ease of access to emergency services	MC and SC

3.3 Construction Risks

Significant Construction Risks	Hazard	Control	Owner
Site set up (working in a restricted area)	Unauthorised access into the work area	PC to ensure that the site is clearly delineated and only authorised personnel to enter the work area	MC
Working near water	Drowning	All operatives to wear life jackets. Portable lifesaving stations to be placed along the working route.	MC
Machines toppling into waterway	Drowning, pollution of waterway	All plant and machinery to be kept a minimum of 500mm away from the canal edge. Angled digging may be necessary	MC
Working near buried services	Electrocution, oxygen suffocation	Ensure all service drawings are obtained carry out a CAT scan of the working area and mark out all services and their depths	MC
Persons tripping/slipping	Fall of person causing injury	Constant monitoring of housekeeping. Maintaining of access/egress routes at all times.	MC
Manual handling	Dropping material, crushing, injury	PC to control the delivery and movement of materials to ensure that the loads being carried by individuals does not exceed those that can be safely lifted / moved.	MC and SC

Control of noise	Excessive noise	Excessively noisy operations will be subject to noise assessments	MC
Control of Dust	Dust	Ensure that when dusty operations are carried out that suitable extraction is deployed	MC and SC
Protection of existing Structures	Works	PC will protect any existing structures that may be affected by the works	MC and SC
Storage of hazardous materials	Inhalation, burns, risk of fire	Recommendations as detailed on manufacturers health and safety data sheets on storage to be complied with. Gases and flammable liquids to be stored as required by the HFL DSEA Regs 2002	MC and SC
Fire	Fire	PC to produce a fire plan and will ensure that the works are executed in accordance with the procedures set out in the document	MC
UXO (Unexploded Ordinance)	Explosion	PC to carry out reporting as per the agreed incident decision tree outlined in Appendix C	MC
Significant Hazardous Specified Materials	Risk	Control	Owner
Type 1 Crush stone	Inhalation of dust	PC will ensure that all crush stone is installed by competent personnel working to an approved RA/MS which has been compiled following a thorough investigation of the COSHH details. The COSHH data sheet will be appended to the RA/MS and retained in Appendix C	MC and SC
Diesel	Fumes & Skin irritation etc.	PC will ensure that all diesel is used by competent personnel working to an approved RA/MS which has been compiled following a thorough investigation of the COSHH details. The COSHH data sheet will be appended to the RA/MS and retained in Appendix C	MC and SC

4. Environmental

4.1 General

Millgrove Construction is aware of the environmental considerations pertaining to the area where the work is to be carried out and the impact it could have on the natural habitat. Measures will be taken to eliminate and reduce any potential environmental risk that may be due to the work being carried out.

4.2 Biosecurity

Careful consideration will be taken regarding biosecurity and the spread of non-native species to this site, the conclusion is there are no risks on this site

4.3 Pollution Prevention

To prevent pollution the following procedures will be in place whilst the work is carried out.

- All plant, equipment and machinery will be refuelled in the compound area away from the waterway.
- Both land and water based spill kits will be placed within the work area should there be any spillage or leaks from the plant, equipment or machinery.
- No chemicals will be used within the work area.

4.4 Bank Protection

N/A

4.6 Waste

All waste will be contained within the site. Arisings from the scraping of the existing path will be added to the existing bunds and be pushed as far back as possible.

4.7 Contamination

Millgrove Construction are not aware of any existing ground contamination. Any further risk of contamination during the works are set out in item 4.2 and 4.4 of this document.

4.8 Nuisance

Due to the location, there is very little population within the local vicinity of the work areas to safe guard against causing a nuisance. Inconvenience may be caused when the diversionary routes are in place. The traffic management plan set out in Appendix B will be put in place to keep disruption to a minimum and will only be in place whilst the section of work is being carried out during normal working hours.

4.9 Noise and Vibration

The risk and control measures to reduce the impact of noise and vibration are set out in Section 3.2 and 3.3.

4.10 Dust

The risk and control measures to reduce the impact on dust are set out in section 3.2 and 3.3.

4.11 Archaeology

No issues on site due to no dig system.

4.12 Pollution Prevention Guidelines (PPG5)

Millgrove Construction will follow and adhere to the guidelines pertaining to the work being carried out on the towpath. These are:

- 1.1 - Legal requirements
- 1.2 - Planning
- 1.3 - Pollution Prevention
- 2.1C - Exposed Ground and Stockpiles
- 2.1d - On-site Working
- 4.1 - Oil and Chemical Storage – General
- 4.2 - Security
- 4.3 - Refuelling
- 7 - Waste Management
- 8 - Incident Response

5. Codes of Practice for Works

5.1 General

Millgrove Construction will provide all necessary documentation to facilitate the application and registration of the scheme. This health and safety plan forms part of this documentation and will include detailed risk assessments/method statements, a programme of works, copies of insurances, COSHH assessments, Drawings/plans/maps, details of proposed diversion routes for towpath users, consents and approvals obtained from regulatory bodies, details on the assets of utility companies affected by the works and environmental assessment.

We will also assist in the consultation and communication with local community groups to ensure that all information on the work being carried out is distributed through the correct channels.

All plant, vehicles and equipment will be locked in a pre-arranged compound area over night or when not in use. All fuel or chemicals will be locked away or removed from the area to safe containment when not in use. Compound areas are sited away from the canal waterways to prevent any contamination. Re-fuelling will only be allowed within the compound area and sufficient spill kits will be maintained both here and in the working areas.

5.2 Navigations and towpaths

To abide by the codes regarding closures and restrictions we propose to close sections of the path during working hours and create diversionary routes away from the works area. Where diversions cannot be put in place then escorted thoroughfares will be placed within the site to ensure the safe movement of pedestrians throughout the project.

No restrictions will be required on the Bridle way or navigations whilst the project is being carried out.

Diversions or escorted thoroughfares will be put in place for existing footpath

Millgrove Construction will ensure that all closures are notified to the Grainers one week in advance of the work being carried out

Millgrove Construction will erect anti climb Heras Fencing to close the path off with all suitable safety and warning signage. All fencing and signage will be removed at the end of each working day.

5.3 Conditions

Millgrove Construction will not commence any works until adequate provisions to the satisfaction of the works engineer been taken to ensure the stability of the tree protection.

The works engineer will be allowed reasonable access at all times during the process of the works providing it is safe for them to do so.

The following signage will be placed at intervals both up and down exciting footway of the works area. "CAUTION – WORKS IN PROGRESS" in red letters 150mm high on a white background. Signage will be agreed prior to work commencing but a description of the works will be posted

at each end of the work area and the site compounds along with an apology for the disruption caused and an emergency 24-hour contact number.

Millgrove . No fuel will be stored on site and no re-fuelling will take place near the waterway. Ensure that all flora, fauna, waterway relics, architectural heritage, industrial heritage, landscaping and waterway walls are protected prior to commencing any works locally. Ensure that no construction debris enters the waterway by only introducing what is required when it is required. There will be no stockpiling allowed adjacent to the waterway.

All surplus materials will be removed and all property will be made good and left in a clean and tidy manner.

The following procedures will be put into action should any plant fall or sink into the waterway:

- Immediately inform the Works Engineer

The following procedures will be put into action in the event of any damage in the waterway its containment and/or supporting structure or banking.

- Immediately inform the Works Engineer
- Secure the area from the approach of traffic/pedestrians using heras fencing
- Render every assistance to the Emergency services or the Trust as shall be requested.

5.4 Health and Safety Considerations

Communications both on site and off will be through two-way radio and mobile telephone. Operatives will take note of their position on the waterway to relay any information to emergency services should it be required.

Specific consideration is required for other users of the waterways such as the public. They will be notified of the dangers and hazardous using signage. Where the footpath is closed, fencing will be erected to prevent access and ample signage will be placed on the diversionary route. Where there is no diversionary route available then an escorted thoroughfare system will be utilised with a waiting point at each end of the site, with all plant and machinery stopping whilst the public are escorted through the area.

All plant used will be within the restricted load weight for the bank and will not travel any nearer than 500mm of the edge of the waterway. Although we will attempt to avoid turning plant round it may be a requirement. This will be carried out at an appropriate point within the work area and in the attendance of a banksman. All materials will be stockpiled at the compound areas and moved by motorised dumper to the work areas.

All deliveries will be supervised by a banksman specifically when utilising public access areas.

Working near water presents its own hazards such as drowning, heart spasms, cold, leptospirosis, stomach bugs and infections. Although all these risks cannot be eliminated they can be greatly reduced by introducing the following measures:

- Ensure all operatives are wearing safety jackets
- Install temporary lifesaving stations along the route of the towpath within the work area
- Install life lines to the bank in the work area
- Keep foil blankets within the lifesaving stations to try to warm anyone who falls in to the water warm
- It is advisable to have the person visit their Doctor as soon as possible after the event to be checked for Leptospirosis. This should be followed up with health surveillance over the course of the next few weeks
- If stomach bugs develop or infections become apparent, then advise the person to visit either their GP or the local hospital and follow up with health monitoring.
- If encountering discarded syringes or sharps, ensure that these are not picked up unless wearing suitable non-cut gloves and disposed of in the correct procedures of sharps box and then to the local health centre. All gloves should be discarded after use and hands should be thoroughly cleansed. If contact is made with sharps and skin is penetrated, ensure that medical attention is sort immediately.

5.5 Services and other hidden hazards within the Towpath

Prior to working on the towpath, services drawing will be obtained along with communication with all service providers. This will be followed by a full underground services detection scan (USD) by a competent person with further trial holes dug if required. Any services found but not marked on the drawings will be marked up with their positions and depths. All services will be marked on the ground with pegs and spray paint.

Permits to excavate will be obtained from the Millgrove. All information will be relayed to the operatives of the machinery and those who are acting as banksmen on site. All digging adjacent to services will be carried out by hand if excavations are going to reach the same depth.