

APPENDIX 5: HAZARDS ASSOCIATED WITH THE WORKS

This section provides details of hazards and associated health and safety aspects of the design that the Contractor needs to take account of when planning and delivering the Works. Proposals for controlling the residual risks arising from the hazards identified must be included in the Risk Assessments and Method Statements as required prior to commencement of the relevant works.

The information is not an exhaustive list of all those matters that must be considered and the Contractor is reminded that the duty and responsibility for managing health and safety in the construction phase lies clearly with them.

It is the responsibility of the contractor to identify and assess any additional risks involved in carrying out these Works and to provide Method Statements detailing how ALL risks will be controlled prior to the commencement of works.

I. Potential Hazards to: Contractor

I.1. Site Access – Access/Egress on or off a public highway, or works on or adjacent to a public highway.

Method statement: Contractor to detail traffic management measures, including the use of a Banksman for access/egress, with appropriate road signage and coning in place. Contractor to detail method of working to ensure that the public highway remains clear of mud, soils, or other material debris for the duration of the Contract.

I.2. Site Access – Prevention of damage to infrastructure (including road and path surfaces)

Method Statement; the Contractor is to detail the methods and steps by which potential damage to property and infrastructure is to be avoided. Contractor to detail method of ensuring that there is no damage done to the existing road or footpath surfaces during the course of the construction work. The PDNPA are unaware of any underground services in the moorland blocks. The Contractor is responsible for ascertaining the exact location, depth and status of all underground services to affect / be affected by of the works. The contractor is to protect underground services from damage during the works.

I.3. Site Access – Transport and delivery of materials by road.

Method statement: Contractor to detail traffic management measures, including the use of a Banksman for access/egress, with appropriate road signage and coning in place. Contractor to detail method of working to ensure that the public highway remains clear of mud, soils, or other material debris for the duration of the Contract. Contractor to detail measures for safe loading and transport of Materials by road.

I.4. Use of Site – members of public

Method statement: Contractor to detail method of working that will provide a safe method of safe guarding the public and public access throughout the Contract Period.

I.5. Use of Site – Landowners, their agents and other third parties

Method statement: Contractor to detail method of working that will provide a safe method of safe guarding landowner, their agents and other third parties who have access throughout the Contract Period.

In particular – Consideration of use and liaison with the MOD to avoid infantry training conflicts e.g use of helicopters. The MOD are to be kept informed of dates of on site operations.

I.6. Working – Hazardous weather

Method statement: Contractor to discuss with the Nominated Officer when weather conditions become unfit for work, due to ground conditions or as a risk to the Contractor's employees safety.

I.7. Working – Remote Upland Locations

Method statement: Contractor to detail method of working safely on or off public highways in inclement weather.

1.8. Working – On or adjacent to steep slopes.

Method statement: Contractor to detail method of working on or adjacent to steep slopes, including types of machinery used.

1.9. Working – On or adjacent to soft, wet, or unstable ground.

Method statement: Contractor to detail method of working on or adjacent to soft, wet, or unstable ground including the type of machinery to be used and the preventative measures to be undertaken.

1.10. Control of noise and vibration

Method Statement: demonstrating the Contractor shall employ the 'best practical means' as defined in the control of pollution act 1974 to minimise noise and vibration resulting from his operation, and shall have due regard to British Standard B35228 1975, Code of practice for noise control on construction sites.

1.11. Works – On adjacent to open water courses, ditches, streams, rivers, canals, reservoirs, ponds, lakes, or locks.

Method statement: Contractor to detail method of working adjacent to the above, where there is the danger of entrapment in overturning machinery, drowning, submersion, affixation, or loss of life.

1.12. Works – Prevention of damage environmental damage, damage to adjacent land or structures.

Method statement: Contractor to detail method of ensuring that no environmental damage occurs, or that adjacent land, and structures are not damaged as a result of the implementation of the Contract.

1.13. Materials Handling – Manual handling

Method statement: Contractor to detail method of ensuring that risks of injury are effectively minimised during of the implementation of the Contract.

1.14. Materials Handling – by machine / mechanised handling

Method statement: Contractor to detail method statement for the use of machines in the handling of Materials, including types of machinery used.

1.15. Construction – Techniques

Method statement: Contractor to detail method of ensuring that risks of injury are effectively minimised during of the implementation of the Contract. One method statement should be supplied per technique.

1.16. Construction – Manual / handwork

Method statement: Contractor to detail method of ensuring that risks of injury are effectively minimised during of the implementation of the Contract.

1.17. Construction – Mechanised / machine work

Method statement: Contractor to detail method of ensuring that risks of injury or damage to belowground utilities are effectively minimised during of the implementation of the Contract.

2. Potential Hazards to: Third Parties.

2.1. Site Access – Access/Egress on or off a public highway, or works on or adjacent to a public highway.

Method statement: Contractor to detail traffic management measures, including the use of a Banksman for access/egress, with appropriate road signage and coning in place. Contractor to detail method of working to ensure that the public highway remains clear of mud, soils, or other material debris for the duration of the Contract.

2.2. Site Access – Prevention of damage to infrastructure (including road and path surfaces)

Method Statement; the Contractor is to detail the methods and steps by which potential damage to property and infrastructure is to be avoided. Contractor to detail method of ensuring that there is no damage done to the existing road or footpath surfaces during the course of the construction work.

2.3. Use of Site – members of public

Method statement: Contractor to detail method of working that will provide a safe method of safe guarding public access throughout the Contract Period.

2.4. Use of Site – Landowners, their agents and other third parties

Method statement: Contractor to detail method of working that will provide a safe method of safe guarding public access (including **Landowners, their agents and other third parties**) throughout the Contract Period.

2.5. Working – Hazardous weather

Method statement: Contractor to discuss with the Nominated Officer when weather conditions become unfit for work, due to ground conditions or as a risk to the contractor's employees safety.

2.6. Working – Remote Upland Locations

Method statement: Contractor to detail method of working safely on or off public highways in inclement weather.

2.7. Working – On or adjacent to steep slopes.

Method statement: Contractor to detail method of working on or adjacent to steep slopes, including types of machinery used.

2.8. Working – On or adjacent to soft, wet, or unstable ground.

Method statement: Contractor to detail method of working on or adjacent to soft, wet, or unstable ground including the type of machinery to be used and the preventative measures to be undertaken.

2.9. Construction – Techniques

Method statement: Contractor to detail method of ensuring that risks of injury are effectively minimised during of the implementation of the Contract. One method statement should be supplied per technique.

2.10. Construction – Manual / handwork

Method statement: Contractor to detail method of ensuring that risks of injury are effectively minimised during of the implementation of the Contract.

2.11. Construction – Mechanised / machine work

Method statement: Contractor to detail method of ensuring that risks of injury are effectively minimised during of the implementation of the Contract.

3. Potential hazards to: Water catchments areas: Common Grazing Land; Ecologically sensitive areas and SSSI's.

3.1. Pollution Control – watercourses, surface water and other water bodies (open watercourses, ditches, streams, rivers, canals, reservoirs, ponds, lakes, and all other water bodies)

Method Statement: Contractor to detail method of refueling vehicles and plant, storing in a compound or removing from site overnight to ensure that they cannot be tampered with, vandalised or moved by unauthorised personnel.

3.2. Pollution Control – re-fueling

Method Statement: Contractor to detail method of refueling vehicles and plant, storing in a compound or removing from site overnight to ensure that they cannot be tampered with, vandalised or moved by unauthorised personnel.

3.3. Environmental damage, damage to adjacent land or structures.

Method statement: Contractor to detail method of ensuring that no environmental damage occurs, or that adjacent land, and structures are not damaged as a result of the implementation of the Contract.

3.4. Potential damage to Infrastructure.

Method Statement; the Contractor is to detail the methods and steps by which potential damage to property and infrastructure is to be avoided.