

Construction Phase Health and Safety Plan

Demolition and Site Clearance

Former Goldthorpe Primary School





Goldthorpe Primary School

Document Issue Details						
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Prepared By	MHH					
Approved By	MHH					
Date						
Issued To						

SITE ADDRESS

Former Goldthorpe Primary School
Barnsley Road
Goldthorpe
South Yorkshire

INTRODUCTION

This Construction Phase Health and Safety Plan has been prepared in accordance with Construction (Design and Management) Regulations 2015 Regulation 12 to enable the arrangements for the project to be detailed ensuring, as far as is reasonably practicable, the health and safety of all persons at work and those who may be affected by the works and undertakings of the Goldthorpe School demolition and site clearance project.

This document relates only to the contract herein referred to and is not to be construed as relating to any other project in any way.

All contractors employed on the project will be reminded that this document is not definitive and is a 'live' document. As such it should be treated as a tool for use in the development of procedures required by Law, including but not limited to the Health & Safety at Work Etc. Act 1974, the Construction (Design & Management) Regulations 2015, the Management Health & Safety at Work Regulations 1999 and such other specialised safety regulations as may apply to the type of work to be undertaken.

All contractors involved in this project must have the opportunity to review this document and MHH site management team is expected to communicate the enclosed information to all contractors working within the project

The MHH Site manager should ensure the manager / supervisor of any contractor working on the project completes the table overleaf to indicate that they have had the opportunity to review this document.

CONSTRUCTION PHASE H&S PLAN



Goldthorpe Primary School

Date of Review	Name of Contractor/Organisation	Name of Site Manager/Supervisor	Signature

1 .PROJECT DUTY HOLDERS

Project Client

BMBC
Economic Regeneration
Westgate Plaza
Westgate
Barnsley
S70 2DR

Principle Designer

NPS Barnsley
Gateway Plaza
Off Sackville Street
Barnsley
S70 2RD

CDM Health & Safety Advisor

NPS Barnsley Ltd
Gateway Plaza
Off Sackville Street
Barnsley
S70 2RS
Contact: Terry Johnson 01226 774355

Demolition Contractor

MHH Contracting LTD
559 Carlisle Street East
Sheffield
S4 8DT
Contact: Peter Westley - Tel: 07984 867818

Demolition Company Health and Safety Manager

MHH Contracting LTD
559 Carlisle Street East
Sheffield
S4 8DT
Contact: Graham Thorpe – Tel: 07823 773029

2. DESCRIPTION OF THE PROJECT

The work comprises the asbestos removal, soft strip, site clearance and removal of waste and demolition of the buildings including foundation removal of the former Goldthorpe Primary School

The site consists of 4 buildings

- building 1 the old caretakers house
- building 2 which is the former primary school
- building 3 the former infants school and
- building 4 the former children's centre

The Works comprise of the following:

Site Establishment

- ✚ Site set up of temporary offices and welfare facilities with safe storage for plant and equipment
- ✚ Securing of the site boundary with 2.5m high solid hoardings clipped and secured with appropriate signage prohibiting unauthorised access.
- ✚ Establish safe parking area for contractor and visitor cars within the site boundary with safe segregated pedestrian routes
- ✚ Erection of scaffolding with monarflex protection on some sections of the site to prevent debris falling onto surrounding paths and roads.
- ✚ Structural investigation of the existing design of all the buildings and structures in order for the work to be carried out
- ✚ Disconnection of all services to site with relevant isolation certification (to be undertaken by the client)
- ✚ The protection by adequate means of existing services, drains, roads, footpaths and equipment.
- ✚ Adequate protection of the trees within the site boundary
- ✚ Provision to prevent debris water and other substances entering the former site drains, local sewer or river systems

Goldthorpe Primary School

- ✚ A site traffic management plan in place to minimise disruption or obstruction to pedestrians and traffic on local footpaths and roads.

Pre-demolition Works

- ✚ Demolition of internal walls to establish welfare, plant storage and car parking areas.
- ✚ Licensed / non-licensed asbestos removal. (with copies of the R&D surveys)
- ✚ Soft strip and fixture & fittings removal including timber, wall partitioning, ceilings, glazing, furnishings, electrical fittings , and pipes, general waste and rubbish etc.
- ✚ Photographs of the pre-demolition condition to be in the site H&S file

Demolition & Dismantling

- ✚ Sequenced demolition of the 4 buildings
- ✚ Starting with building 1, then 3 & 4 with 2 being the last to demolition
- ✚ Plug and seal all redundant underground pipework
- ✚ Back fill of all voids with suitable processed demolition materials compact and level to requirements.
- ✚ Grade down specific areas will soil to a safe gradient where required
- ✚ Removal of all demolition arising's from site ensuring dust is adequately controlled
- ✚ Reduce down to agreed levels
- ✚ Site set down removal of all plant ,equipment, buildings ensuring the site is left safe and tidy
- ✚ Photographs of the finished post demolition site condition to be put in the site H&S file

3. NATURE OF THE WORK TO BE CARRIED OUT

- **Site Set Up**

The Works comprise of developing a site compound including relevant designated storage area for machinery, plant and equipment and tools along with parking for cars and other vehicles

Adequate means to supply power for the site for relevant welfare, lighting etc.

The gates already in place on the High Street (opposite the Police Station) of the site will be used as the initial vehicle site entrance. Once building 3 has been demolished a secondary site access will be created to allow the flow of site traffic (see the traffic management plan for details)

Vehicle access and egress will be controlled by a trained banksman

A secure site perimeter shall be put in place erecting 2.5m high solid hoardings with relevant warning signage providing site security and suitable segregation of the works from the surrounding areas. Within the site, Heras fencing shall also be erected to demarcate and segregate welfare areas, site parking and pedestrian routes. Some identified areas will have monarflex scaffold to act as protection from falling debris etc. to the surrounding roads and footpaths. The scaffolding will be supplied and erected by BFG Scaffolding

Most of the trees within the site need adequate protection to prevent damage to the tree and roots. This will be carried out to the client's requirements and specifications prior to work commencing. The exception are 3 trees within the hardstanding area to the rear of building 3 which are to be removed. Also a tree stump (identified as T18 on drawing NPS-DR-A-(00)-010) is also to be removed to a minimum depth of 300mm below the ground level

The internal walls and fencing will be dismantled to create an area to set up the site compound and also allow better ,safer access into and around the site

- **Traffic Management**

The site Traffic Management Plan for vehicles, plant and pedestrians will be displayed on a noticeboard at the site entrance and within the site office and welfare. The activities and vehicle movements must not block or interrupt the traffic on the local roads or pedestrian use of the footpaths around the site

- **Asbestos Strip**

All the identified asbestos (licensed and non-licensed work) will be removed by an approved asbestos removal contractor, (NES Asbestos Ltd).

- **Soft strip and Removal of All Existing Fixtures, Domestic and Commercial Wastes**

Demolition operatives shall carry out a full soft strip of all the buildings within the site boundary, removing and segregating all soft waste streams such as plaster, wood, insulation and various other general wastes that are present.

All removed wastes shall be placed into designated removal skips.

Operatives will be made aware of the potential for asbestos to still be present within the buildings, and will report any suspicious materials to the site manager.

After the asbestos removal and soft strip is completed on buildings 1 2 & 3 the roof tiles will be removed by hand from the roof working from scaffold and a MEWP these will be placed in skips for removal from site

- **Demolition of The Main Buildings**

Demolition of the buildings shall be carried out in a managed manner, demolishing and dismantling sections one at a time utilising demolition machinery including the demolition excavator with multi-processing attachments. The demolition shall also include the breaking and grubbing out of any foundations and slabs. This will also include the grubbing out of any redundant drains, manholes etc.

All arising material will be segregated and loaded straight into the relevant bins for recycling. At no time will waste be allowed to accumulate and all waste bins will be exchanged when full.

At the end of each day the Demolition Site Supervisor will ensure that the remaining structure and immediate working areas are left in a safe, clean and structurally stable condition.

Throughout the process hoses with fine mist hand sprays will be located close to the work area and used to dampen down to control dust levels during demolition.

Prior to any works, using fencing and appropriate signage; a perimeter will be set up around the areas within the site to prevent un-authorised access. This zone will be large enough to enforce a buffer area to allow for where any falling objects are likely to reach and prevent unauthorised access during demolition.

A trained banksman will remain in a place of safety at all times whilst the machine demolition is taking place and will be the point of contact for any personnel wanting to gain access to the area. At any time should personnel want to enter the exclusion zone the banksman must prevent access until he has acknowledgement from the excavator operator, the work ceases, the machine switched off and the area made safe.

Demolition of the buildings shall be split into predetermined sections and carried out in a phased manner, demolishing and dismantling sections one at a time utilising demolition machinery when necessary.

- **Re-Instatement Works**

All voids that remain as a result of the works and any other deviations/changes in level shall be made good using crushed and sieved material from the demolition work to the client requirements.

All the existing perimeter walls and fencing shall remain in place and checked for stability and condition at the end of the project.

4. PROGRAM OF WORKS

Commencing: August 1st 2016

Expected Completion:

Duration: 10 Weeks

The site hours will be *Mon-Fri: 8.30 am – 5.30pm*

Saturday 8.30am-12.30pm

5. HEALTH AND SAFETY

EHS Excellence

The project will be conducted with a commitment to achieve excellence in environmental health and safety (EHS) It is the responsibility of all MHH staff to conduct operations in a safe, clean and socially responsible manner .This will be achieve through showing leadership and commitment to all aspects of EHS,by way of adopting employee engagement, adequate controls and procedures in place and positive H&S culture and behaviour.

Project H&S Goals

The paramount goal of MHH Contracting Ltd is that the project is completed within the time frame set by the client, but most importantly being both accident and incident free.

At all times the team carrying out the work must feel that their health, safety and wellbeing is the number one priority which is key for the success of the program.

The project will be only measured as a success if there are no injuries and incidents during the course of works.

MHH Contracting Ltd operates the zero harm policy, as part of this policy the Directors and Senior Management of the organisation endeavour to lead by example. Provide a safe working environment and adopt a proactive safety culture amongst its staff and any other Contractor that undertake works on behalf of MHH within the duration of the project.

Environmental Issues

The works will be conducted in an environmentally friendly manner as possible, with all steps taken to protect the surrounding environment showing care and consideration for the local area and businesses.

All materials where possible are to be salvaged or recycled in compliance with both the MHH and clients Environment Policy

6. ARRANGEMENTS FOR CONTROLLING SIGNIFICANT SITE RISK

Health and safety risks need to be controlled on an on-going basis and these will be identified through risk assessments. Controlling and minimising the effects of the risks is an important practical consideration influenced by the project management structure. All our site supervisors are trained to undertake point of work dynamic risk assessments used to support and check the controls in place from the original risk assessment.

7. THE EXISTING ENVIRONMENT

The surrounding area consists of several small businesses with a number of shops, takeaways and an Asda store. There is also a public house on Barnsley Road adjacent to the proposed site entrance. The work activities shall be planned as to cause as little interruption or inconvenience to the surrounding businesses as possible. The site external boundary (walls & fencing) is to stay, all internal walls and fencing with the exception of an identified section between buildings 3 & 4 are to be removed.

EXISTING STRUCTURES

The Goldthorpe School site comprises of 4 structures which are to be demolished, all of which are of traditional brick build with slate roofs with building 4 having a flat felt roof. The buildings of varying sizes dating back to the early 1900s.

EXISTING SERVICES

All service disconnections are the responsibility of the client to arrange with the relevant certification.

Prior to MHH Contracting Ltd commencing any demolition work on site there shall be sufficient proof of disconnection presented; such evidence will be stored within the onsite file for the duration of the works as well as relevant statutory undertaker's drawings for referencing purposes.

EXISTING TRAFFIC SYSTEMS AND PEDESTRIAN FLOWS

Site segregation will be provided for safe separation of all vehicle and plant access, demolition and dismantling and debris removal activities from the surrounding footways and roads to ensure the safety of all members of the public and site operatives.

Vehicles must be under the supervision of a banksman whilst reversing at all times. Working Plant and machinery shall be supervised by a banksman at all times.

There will be site parking for vehicles, this shall be co-ordinated in relation to the site compound set up ensuring staff and visitors can arrive without exposure to any hazards posed by the works undertakings.

A full traffic management plan will be displayed at the site entrance notice board and in the site welfare unit for the duration of the project.

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8. IDENTIFIED HAZARDOUS SUBSTANCES

COSHH assessments for all known substances

Asbestos Containing Materials - The asbestos be removed by an approved asbestos removal operatives will be vigilant during the soft strip identified that are not on the asbestos survey isolated and the client notified.

Procedures for the discovery of materials that briefed to operatives during the site induction. All personnel working on the demolition and d undergone asbestos awareness training within

Man Made Mineral Fibres - There is a big pos within the project areas, they may be found wi can cause dermatitis; therefore detailed proced disposal. All removal shall be carried c

Silica - There is expected to be an a other stones containing silica that, o increase breathing difficulty and ever must be made for handling and safe c

Suppression of dust shall be carried sufficient levels of water spray to generation is likely to occur.