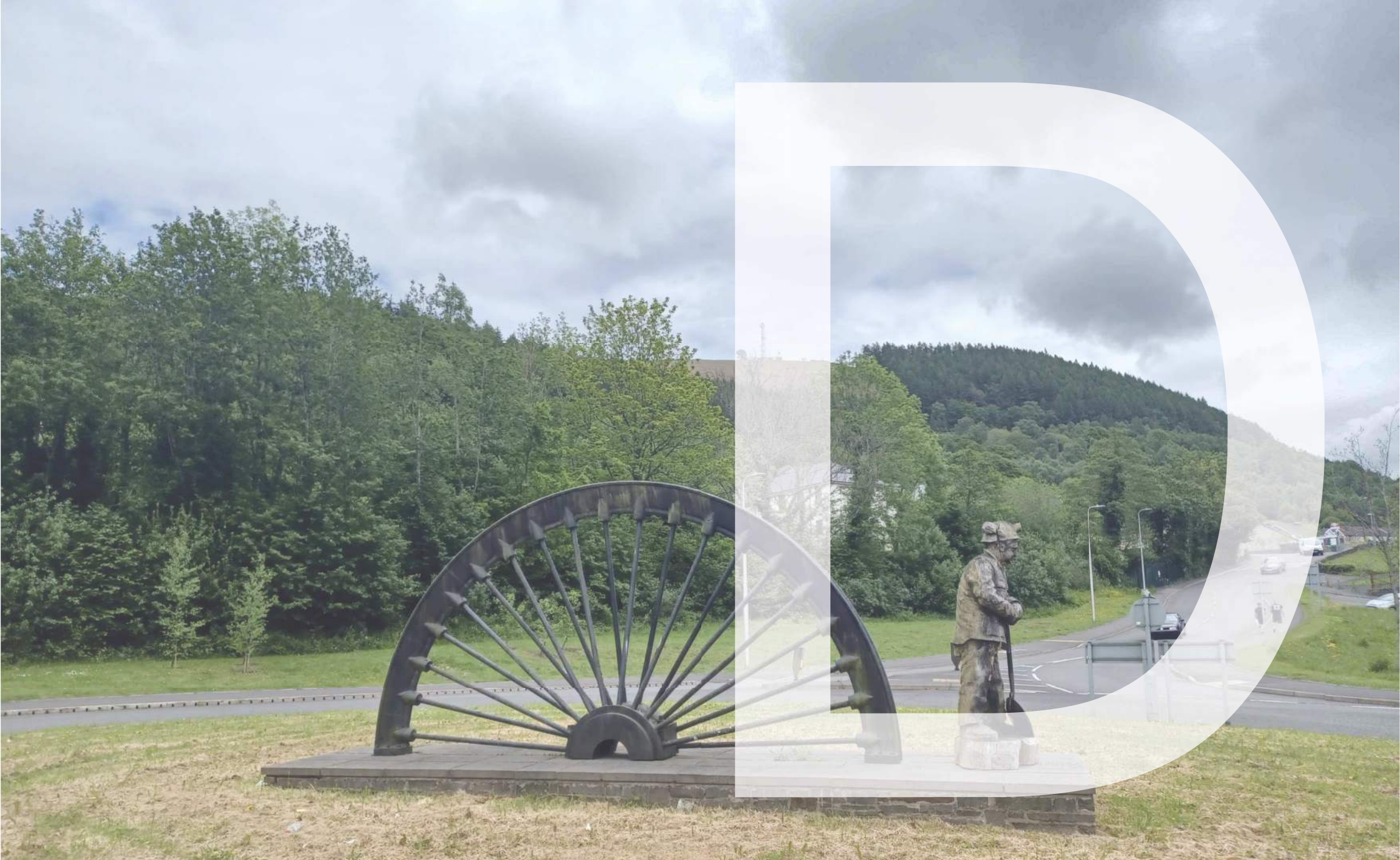
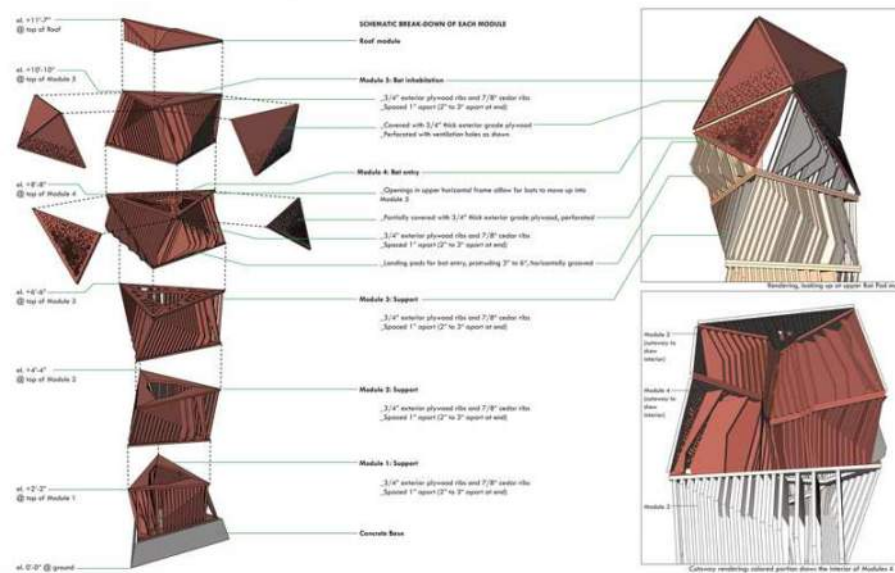
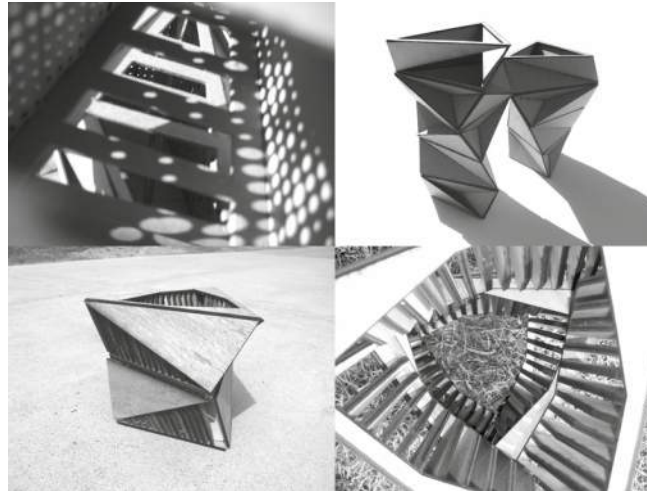
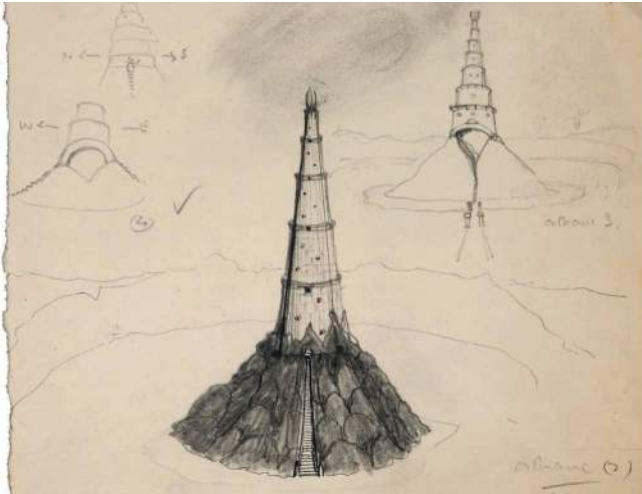
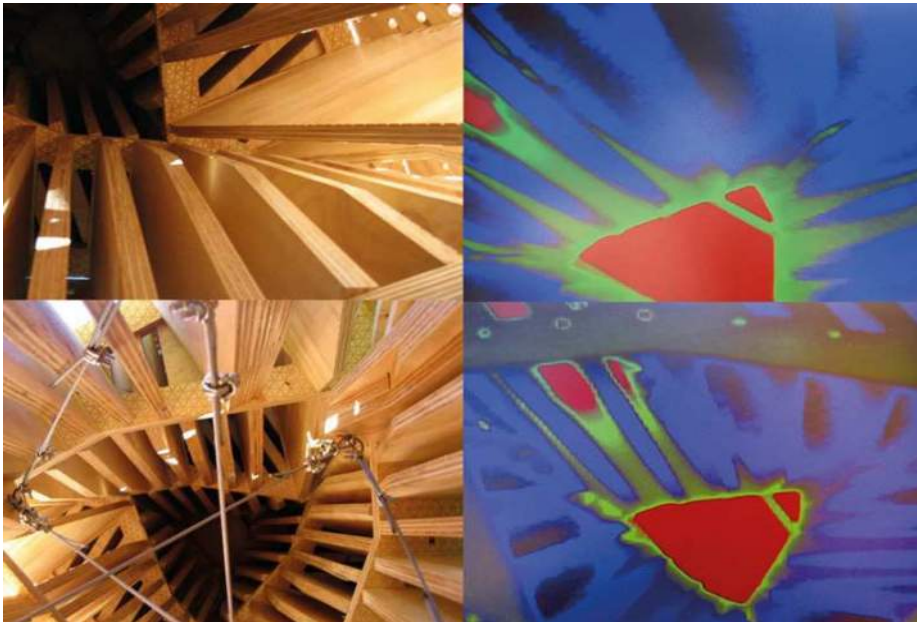




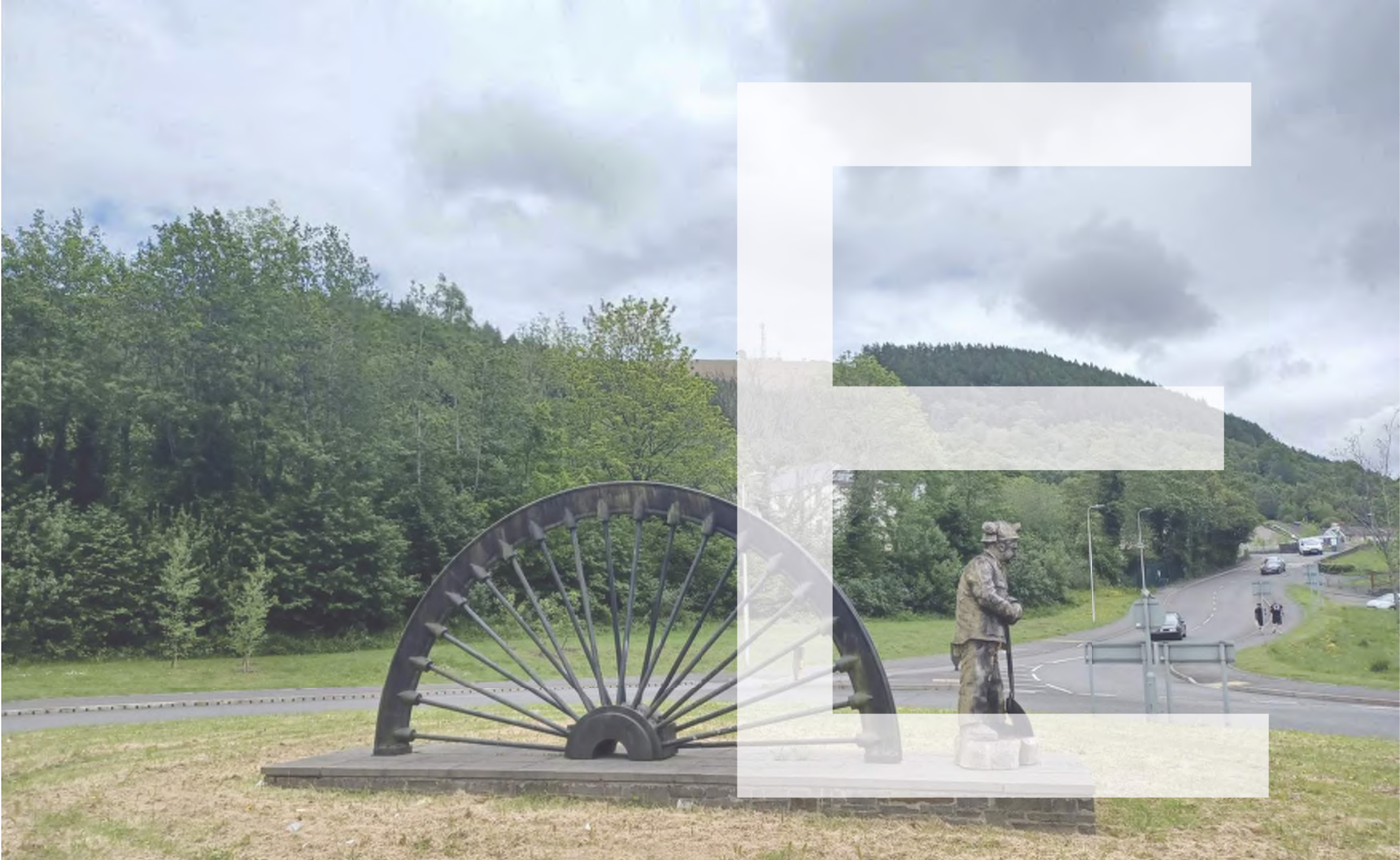
Appendix D - Bat Tower Precedents

BAT TOWER PRECEDENTS - STRUCTURAL IDEAS









Appendix E - Rechabite Hall Demolition Pack



WORKS INFORMATION DOCUMENT

DEMOLITION WORKS

AT

**FORMER APARTMENT BUILDING,
CRESCENT STREET, MERTHYR VALE,
CF68 4RW**

Merthyr Tydfil Country Borough Council



Cyngor Bwrdeistref Sirol
MERTHYR TUDFUL
MERTHYR TYDFIL
County Borough Council

Date: 9th of July 2022

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SCHEDULE 1 - WORKS INFORMATION

Description of the Demolition Works and Specifications

The works will involve the demolition of:

An existing former apartment block – comprising a four-storey brick / block masonry cavity walls, supporting a traditional pitched slated roof. Upper floors of precast concrete planks supported by the masonry walls. Steel beams and lintels supported the concrete floors over large openings.



Figure 1 – Key Plan showing Building Locations

The site is located on Crescent, Merthyr Vale, CF68 4RW, Ordnance Survey grid references ST 07537 99614.

The demolition works are to include, but are not necessarily limited to;

The four storey apartment building identified above, within the site boundary is to be demolished. The site boundary is identified on the “Location Plan” (Drawing No. TC-CAP-XX-XX-DR-S-000001) and the “Site Boundary Plan” (Drawing No. TC-CAP-XX-XX-DR-S-000002) in Appendix B.

The building ground floor concrete slab, and any external ramps and steps are to be demolished and taken up as part of the demolition works.

All foundations are to be taken up and removed from site. All excavations are to be backfilled with compacted granular material, as specification on drawing, to provide a well graded site in accordance with the “Proposed Site Level Plan” (Drawing No. TC-CAP-XX-XX-DR-S-000005).

The building is constructed adjacent to the River Taff. This building will need to carefully be demolished

to ensure that no demolition debris enters the river and damage the river wall.

All drainage on the site is considered to be redundant and to be removed as part of the demolition works, and backfilled with compacted granular material, as per the specification.

Contractor to allow for further investigation of drainage on the site. If any live drainage is identified, they are to be left in place. Any damage to live drainage runs are to be made good immediately. Please refer to the "Drainage Layout" (Drawing No. TC-CAP-XX-XX-DR-S-000009) and Appendix H for existing drainage information including CCTV plan and report.

Disconnection and stopping up of foul and surface water sewer system for the buildings identified is to ensure that there is no impact on other properties that may be served by the same sewerage system, all in accordance with Civil Engineering Specification for the Water Industry 7th Edition. Record on H&S file.

All external brick paving and associated kerbs etc. within the site boundary are to be taken up and removed.

The building is surrounded by a steel palisade security fence, this is to be removed and disposed of at the end of the project.

All external boundary walls to the rear of the building and within the site boundary are to be demolished and removed from site.

The site will be re-profiled using 'as-won' recycled crushed material graded as 6F2 in accordance with Table 6/1 of the Specification for Highway Works (Extract in Appendix D). Compaction shall be in accordance with method 2 of Table 6/4 in the Specification for Highway Works (Extract in Appendix D). The site re-profiling to suitable levels shall comprise a minimum thickness of 200mm of 6F2 hardcore filling, compacted as specified above. All crushed material will need to be certified to 6F2 grading. All certificates/evidence will be recorded in the H&S file. Contractor to allow for supplementing the fill material using suitable imported 6F2 grade material should there be a shortfall of 'as-won' material.

Removal of all asbestos containing materials (ACMs) and disposal to a suitable licensed facility.

Removal from site of all other contaminated materials, including oils, asphalt containing coal tar etc. and disposal to suitable licensed facilities.

A "Asbestos Demolition Survey Report" has been undertaken by Shield On-site Service, issue dated the 5th of August, 2019 and is included in Appendix D. All contaminated and hazardous materials are to be disposed of to a suitably licenced facility.

The Taff River runs adjacent to the building that is to be demolished. During the demolition of these buildings, the river will need to be protected to prevent any demolition debris to enter the watercourse.

Value of any salvable steelwork for example are to be credited against the cost of demolitions. Salvage credit value is to be identified in the tender submission.

Preparatory works and site clearance. This is to include the removal from site of all soft strip material contained within the buildings to be demolished.

The works shall be delivered in accordance with all specifications contained within the schedules and appendices of this document. This will include, but is not necessarily limited to: traffic management, temporary works, submission and approval of all regulatory consents, site fencing / hoarding, site clearance, services disconnections, construction works and landscaping.

Crushing of Demolition Arisings and Site Re-profiling

In order to provide recycled material for site re-profiling, all suitable granular arisings (brick, unsalvageable stone, concrete etc) are to be crushed and used to achieve the proposed finished ground levels. After the completion of the finished ground levels, excess material is to be removed

from site.

Recycled material for site re-profiling to be used, all suitable granular arisings (brick, unsalvageable stone, concrete etc.) to be crushed and used to achieve the proposed finished ground levels. After the completion of the finished ground levels, excess material is to be removed from site. The suitable granular demolitions arisings shall be crushed to achieve a 6F2 grade material in accordance with Table 6/1 of the Specification for Highway Works (Extract in Appendix D). Compaction shall be in accordance with method 2 of Table 6/4 in the Specification for Highway Works (Extract in Appendix D). The site re-profiling to suitable levels shall comprise a minimum thickness of 200mm of 6F2 hardcore filling, compacted as specified above.

Only demolition arisings from the demolition of the works described above shall be permitted on site. No other materials are to be imported onto site for the purpose of crushing and/or disposal.

Grading / uniformity coefficient testing shall be undertaken by the Contractor daily, and the testing data provided to the Contract Supervisor.

Organic Matter / Water soluble sulphate testing shall be undertaken by the Contractor on 5 separate occasions under the direction of the Contract Supervisor, and testing data provided to the Contract Supervisor.

Oxidisable sulphides and total potential sulphate content testing shall be undertaken by the Contractor on 5 separate occasions under the direction of the Contract Supervisor, and testing data provided to the Contract Supervisor.

PH / chloride ion content testing shall be undertaken by the Contractor on 5 separate occasions under the direction of the Project Manager, and testing data provided to the Contract Supervisor.

Excess Crushed Demolition Arisings

After completion of the finished ground levels, all excess material surplus to requirements is to be removed from site.

Temporary and Permanent Site Fencing / Hoarding

Contractor is to provide temporary Herras type fencing for the entire duration of the project to prevent public access to the site, refer to "Temporary Hoarding Layout and Detail" (Drawing No. TC-CAP-XX-XX-DR-S-000006) for extent of Heras fencing required.

Ecology

A Preliminary Ecological Appraisal report has been provided by Wildwood Ecology Limited, dated November 2019. A copy is included in Appendix F.

The Afon Taf may be impacted in the absence of adequate pollution control measures – this includes for light, debris, dust, chemical, fuel and invasive species. A pollution control strategy will be implemented to ensure that the river corridor is not impacted. This may include dust fencing along the western boundary, more careful demolition methods along this section. A preliminary roost assessment (PRA) for bats and nesting birds has also been provided by Wildwood Ecology, dated July 2019. A copy is also included in Appendix E.

The contractor must comply with all mandatory Statutory Obligations and Other Recommendations contained in these reports.

Services Disconnections

Electricity, Gas, Water and Communications Technology services have previously been disconnected. Diconnection certificates and plans are included in Appendix H.

Site Compound and Welfare

The contractor shall provide all necessary temporary site and welfare accommodation, located within the demolition site boundary, in an area to be agreed with the client. The Contractor shall arrange for the provision of any services required and shall make good any damage caused to this area upon completion of the contract.

Key Dates & Completion Date

See Contract Data for information regarding the completion date and key dates for the following:

- Contract award; and
- Completion of demolition works and approval of the H & S File (H&S File to be provided within 4 weeks of completion of the contract.)

All works to be completed before the end of January 2023.

Drawing Register

Drawings included in Appendix B.

Drawing No.	Drawing Name
TCBT-WSP-XX-XX-DR-S-000001	Location Plan
TCBT-WSP-XX-XX-DR-S-000002	Site Boundary Plan
TCBT-WSP-XX-XX-DR-S-000003	Site Wide Demolition Plan
TCBT-WSP-XX-XX-DR-S-000004	Temporary Hoarding Layout

SPECIAL REQUIREMENTS

SPECIFIC CLAUSES IN RELATION TO STATUTORY UNDERTAKERS AND OTHER ORGANISATIONS

The Contractor's attention is brought to the services located in the vicinity of the structure(s) and/or serving the site. A list of correspondences and drawings from the Statutory Undertakers has been included with this order. The Contractor is to confirm the location of services which may have a direct impact on the proposed works. Special requirements in relation to the following services below are discussed in the pages overleaf:

- (1) Requirements in relation to the electricity generation and distribution companies
- (2) Requirements in relation to British Telecommunications PLC;
- (3) Requirements in relation to Energy Assets / Wales and West Utilities;
- (4) Requirements in relation to Water and Sewerage Companies; and
- (5) Requirements in relation to the Highway Lighting System.
- (6) Special Requirements in relation to Nature Conservation
- (7) Special Requirements in relation to The Natural Resources Wales
- (8) Special Requirements in relation to Welsh Government Agriculture Department

1. SPECIAL REQUIREMENTS IN RELATION TO THE ELECTRICITY GENERATING AND DISTRIBUTION COMPANIES - WESTERN POWER DISTRIBUTION

1. For the purposes of this Special Requirement the following terms shall have the meanings assigned to them:

(a) 'Company' means:-

WESTERN POWER DISTRIBUTION or its successors and assigns.

(b) 'Company Representative' means the Chief Civil Supervisor of the said 'Company' defined at 1(a) of this Special Requirement or other duly Authorised Supervisor Representative and/or Agent appointed for the time being to act on behalf of the said 'Company'.

(c) 'Plant' or Equipment' means any plant equipment gear machinery apparatus or appliance or any part thereof as defined in the Construction (General Provisions) Regulations 1961 and the Construction (Lifting Operations) Regulations 1961 owned, leased or rented by the said 'Company' defined at 1(a) of this Special Requirement.

(d) 'Electricity Cable(s)' means any cabling including but not limited to 'Overhead Electricity Lines' or 'Buried Electricity Cables' owned leased or rented for the purposes of electricity transmission and supply by the said 'Company' as defined at 1(a) of this Special Requirement.

2. Before commencing any work or moving heavy plant or equipment over any portion of the Site owned, occupied, leased or rented by the Company, the Contractor shall consult the Company Representative as early as possible and in any event not less than fourteen days before it is proposed to commence work to ascertain whether any Electricity Cable(s) or Plant or Equipment will be affected by the Works and to confirm details of any restrictions or requirements that the Company Representative may consider necessary for the safe carrying out of the Works.

3. Where such details show that the Works or the movement of plant or equipment may endanger the equipment of the Company, the Contractor must ensure that the presence of any Electricity Cable(s), Plant or Equipment, can be indicated by markers to be supplied by the Company and placed by the Contractor under the supervision of the Company Representative. The Contractor shall ensure that all Company Electricity Cable(s), Plant or Equipment is adequately protected from damage and such protective measures shall be approved by the Supervisor.

4. The work shall be carried out in conformity with the Requirements of the latest edition of the Health and Safety Executive Guidance Notes:

(i) No. GS6 'Avoidance of Danger from Overhead Electric Cables'

(ii) No. GS33 'Avoiding Danger from Buried Electricity Cables'.

5. Except under such restrictions as the Company Representative may impose for the safety of persons and the protection of property WORKS SHALL NOT BE CARRIED OUT or cranes or other plant erected operated and/or dismantled or materials stored WITHIN THE 'PROHIBITED SPACE' WHICH IS THAT SPACE WITHIN A RADIUS OF:

(a) 15.0M OF LIVE OVERHEAD ELECTRICITY LINES WHERE LINES ARE CARRIED ON STEEL TOWERS

(b) 9.0M OF LIVE OVERHEAD ELECTRICITY LINES WHERE THE LINES ARE CARRIED ON WOOD POLES

TOGETHER WITH ANYWHERE VERTICALLY ABOVE THIS SPACE. These distances shall be maintained at all times between any Overhead Electricity Lines or anything connected to such Overhead Electricity Lines owned, leased or rented by the Company.

6. The Contractor and any sub-contractor employed by him should particularly note and bring to the attention of their respective employees the danger of 'Flash-over' where as a result of the very high voltages being transmitted potentially lethal shocks can occur in close proximity to live Overhead Electricity Lines WITHOUT ANY CONTACT BEING MADE.
7. Debris produced when trimming or felling trees and/or from demolition MUST NOT fall or be projected into the 'Prohibited Space'. Similarly excavation spoil must not be dumped or accumulated so as to cause infringement of the 'Prohibited Space'.
8. Special care MUST be taken when using material, which shall include but not be limited to rope wire and/or measuring tape and the like.
9. The Contractor shall exercise particular care when carrying out work which involves the use of water jets or piped slurry. Liquid when being carried or used for the purposes of the Works MUST NOT be allowed to splash, fall or otherwise be projected into the 'Prohibited Space'.
10. If a crane or other equipment is used, crane stops, fencing and warning notices shall be provided by the Contractor to ensure that there can be no encroachment on the 'Prohibited Space' by crane load or other equipment even if the crane load or equipment slips fails or overturns.
11. Portable ladders used in the vicinity of the live Overhead Electricity Lines shall be of wood or other non-conducting material and shall not be reinforced by metal attachments running along stiles of the ladders. Even ladders without reinforcement can lead to serious electrical shocks if allowed to come close to live overhead equipment and therefore special precautions must be taken to ensure that the ladder cannot slip and encroach on the 'Prohibited Space'.
12. Any disturbance of or attachment to any Plant or Equipment or Electric Cable(s) of the Company shall ONLY be carried out by the staff of the Company or its authorised contractors and/or agents.
13. Long objects, which shall include but not be limited to, pipes, scaffold poles, ladders and/or long handled tools or any object of such length that if carried vertically could infringe on the 'Prohibited Space' MUST BE CARRIED HORIZONTALLY.
14. Where for the purposes of completing the Works in accordance with the Contract the need arises to operate within the 'Prohibited Space' the Contractor shall give the Company representative not less than fourteen days written notice of the dates upon which it is intended to operate plant or equipment or carry out any work. The permission of the Company Representative MUST be obtained in writing BEFORE any plant or equipment is operated or work of any kind is carried out WITHIN the above distances. Such operations or work shall only be carried out in the presence of the Company Representatives unless notice shall have been obtained in writing from the Company Representative that such a presence on Site is not required.
15. In the event of the Company requiring emergency and/or maintenance work to be executed on the Electricity Cable(s) whether Overhead Electricity Lines or Buried Electricity Cables during the period of the Contract the Contractor shall afford all reasonable facilities and access to the staff of the Company or its authorised contractors and/or agents.
16. Work should not be carried out in the immediate vicinity of the overhead lines during periods of poor visibility. If this is not reasonably practicable additional precautions MUST be taken including but not limited to the erection of appropriate barriers to ensure maintenance of the appropriate safety clearances.

17. The above requirements do not relieve the Contractor of any of his obligations under the Contract or of the responsibility for taking every precaution to avoid risk to persons and/or damage to property.

2. SPECIAL REQUIREMENTS IN RELATION TO BT PLC.

1. In this Special Requirement the following terms shall have the meanings assigned to them:

- a) 'Company' means British Telecommunications PLC
- b) 'Company Representative' means the staff of British Telecommunications PLC or its Authorised Representatives and Agents.
- c) 'Apparatus' means all surface or sub-surface equipment and plant including any associated cabling and/or ducting owned, leased or rented by British Telecommunications PLC.

2. Before commencing any work or moving heavy plant or equipment over any portion of the Site the Contractor shall confirm details of the Apparatus, owned, leased or rented by the Company, within the Site with the Company Representative.

3. Where such details show that the works or the movement of plant or equipment may endanger the Apparatus of the Company, the Contractor must give the Company Representative at least 7 days written notice of the date on which it is intended to commence such works or the movement of plant and equipment in order that the presence of any sub-surface Apparatus can be indicated by markers to be supplied by the Company and placed by the Contractor under the supervision of a Company Representative. The Contractor shall ensure that all Company Apparatus, particularly surface running cabling, is adequately protected from damage and such protective measures shall be approved by the Supervisor.

4. In the event of a Company marker being disturbed for any reason it shall not be replaced other than in the exact position and to its former depth unless the repositioning is carried out at the direction and under the supervision of a Company Representative.

5. The Contractor shall take particular care in relation to the protection of Company Apparatus, where such Apparatus includes the presence within the Site of optical fibre and/or co-axial cabling.

The Contractor should particularly note that damage to such Apparatus is extremely disruptive to the Company network and costly to reinstate. The Contractor shall make every effort to avoid the disturbance of Company Apparatus more than is absolutely necessary for the completion of the Works in accordance with the Contract.

6. When excavating around, moving or backfilling around Company Apparatus, the Company Representative shall be given adequate notice, which shall not be less than 3 days, of the Contractor's intentions in order that he may supervise the works. The Contractor should note that the normal depth of cover for Company Apparatus and ducts is as follows:

- a) In carriageways 600mm, which is to be maintained.
- b) In footways 450mm, which is to be maintained.

Where the 600/450mm depth of cover cannot be maintained the Contractor shall carry out the instructions of the Supervisor for the protection of Company Apparatus and such actions that follow from the Supervisor's instruction shall be supervised by a Company Representative. Where the required depth of cover cannot be maintained over cabling, such cables as are affected shall be enclosed and protected in UPVC duct to be supplied by the Company as directed by the Company Representative.

With regard to excavation in the vicinity of Company Apparatus and ducts the Contractor should have particular regard to the possibility of reduced cover and the encountering of such Company Apparatus and ducts at depths of cover less than that given at a) and b) above.

7. All excavation adjacent to Company Apparatus is to be carried out by hand until the exact extent and/or location of Company Apparatus is known. Mechanical borers and/or excavators shall not be used within 1.0m of Company Apparatus without the Works Supervisory presence of a Company Representative. To prevent any movement of Company Apparatus during excavation, complete shuttering shall be used as directed by the Supervisor if:-

- a) Excavation is deeper than the depth of cover of adjacent Company Apparatus.
- b) Excavation is within 1.0m of Company Apparatus in stable soil.
- c) Excavation is within 5.0m of Company Apparatus in unstable soil.

If for the completion of the Works the Contractor intends using any of the following:-

- (i) Pile driving equipment within 10.0m of Company Apparatus.
- (ii) Explosives within 20.0m of Company Apparatus.
- (iii) Laser equipment within 10.0m of Company Apparatus.

The Contractor shall advise the Company Representative, giving at least 7 days written notice, in order that any special protective measures for the Company Apparatus affected may be arranged.

8. All Company manhole, joint box and/or other access points and chambers within the Site shall be kept clear and unobstructed. Access for vehicles, winches, cable drums and/or any further equipment required by the Company for the maintenance of its Apparatus, must be maintained at all reasonable times. The Contractor should particularly note that footway type jointing chambers are not specified for carriageway loadings and will need to be adequately protected and/or demolished and rebuilt under the supervision of a Company Representative where such chambers are likely to be placed at risk, either temporarily or permanently, from the movement of plant and/or equipment on the Site.
9. The covers to Company chambers and/or Apparatus shall only be lifted by means of appropriate keys obtained from the Company Representative and under the direct supervision of the Company Representative. No employee of the Contractor or of any sub-contractor employed by the Contractor shall enter any chamber and/or Apparatus of the Company unless under the supervision of the Company Representative and in any case not before the mandatory gas check has been carried out in the presence of the Company Representative and such checks have shown it to be safe to enter the Chamber and/or Apparatus of the Company. The Company Representative shall be given reasonable access to all Company Apparatus and chambers when required.
10. In the event of any damage whatsoever to Company Apparatus the Contractor shall immediately inform the Supervisor and report the occurrence immediately by contacting the Company as follows:-

Tel: DIAL 100 and ask operator for 'FREEPHONE 111/Dial before you dig'

11. The above requirements do not relieve the Contractor of any of his obligations under the Contract.

3. SPECIAL REQUIREMENTS IN RELATION TO ENERGY ASSETS / WALES AND WEST UTILITIES.

1. In this Special Requirement the following terms shall have the meanings assigned to them:-
 - (a) 'Company' means Wales and West Utilities.
 - (b) 'Company Representative' means the staff of Wales and West Utilities or its Authorised Representatives and Agents.
 - (c) 'Apparatus' means all surface or sub-surface equipment and plant including any associated Gas pipeline(s) owned, leased or rented by Wales and West Utilities.
2. Before commencing any work or moving heavy plant or equipment over any portion of the Site, the Contractor shall confirm details of the Apparatus, owned, leased or rented by the Company, within the Site with the Company Representative
3. Where such details show that the work or the movement of plant or equipment on the Site may endanger the Apparatus of the Company, the Contractor shall give the Company Representative at least 7 days written notice of the date on which it is intended to commence such works or the movement of plant and equipment in order that the presence of any sub-surface Apparatus can be indicated by markers to be supplied by the Company and placed by the Contractor under the supervision of the Company Representative. The Contractor shall ensure that all Company Apparatus, is adequately protected from damage and such protective measures shall be approved by the Supervisor.
4. In the event of a Company marker being disturbed for any reason it shall not be replaced other than in the exact position and to its former depth unless the repositioning is carried out at the direction and under the supervision of a Company Representative.
5. The Contractor shall make every effort to avoid the disturbance of Company Apparatus more than is absolutely necessary for the completion of the Works in accordance with the Contract. The Contractor should particularly note that large Gas transmission pipelines frequently operate at a pressure exceeding 7 bar and pose a considerable hazard to safety if damaged. The Contractor shall also note that smaller Gas distribution pipes may be of yellow plastic, cast iron or other such material and that unless specifically known to the contrary any such services encountered during the course of the Works should be assumed to be Gas pipelines and treated as such in accordance with these Special Requirements until positively identified otherwise and the Supervisor so notified in writing.
6. No vehicle plant or machinery shall cross stand operate or travel within 3.0m of any Company Apparatus particularly Gas pipelines except as approved by the Company Representative. The Contractor shall agree his methods of working near any Apparatus with the Company Representative and ensure that any Apparatus is adequately protected from damage by the use of wooden sleeper tracks or reinforced concrete rafts at crossing points as appropriate. Temporary fencing of adequate strength shall be erected to regulate the movement of vehicles plant and machinery in the vicinity of Company Apparatus. All such protective measures shall be approved by the Supervisor.
7. Where for the purposes of completing the Works in accordance with the Contract it is necessary to lay a new service across an existing Gas pipeline whether above or below a minimum clearance of 0.6m shall be left between the outside of the Gas pipeline and the new service to be installed. Under no circumstances shall a new service be laid parallel above or below a Gas pipeline. Hydraulic or other form of pressure testing of any new services shall not be permitted within 8.0m of any Gas pipeline unless precautions have been taken involving the use of pre-installation tested pipeline having a design factor of 0.3 for a distance of 6.0m either side of the Gas pipeline and/or such additional precautions including but not limited to sleeving barriers and the like as the Company Representative may require in consultation with the Supervisor.

8. The Contractor shall particularly note that Gas pipelines and other Apparatus of the Company is usually cathodically protected to Company standard BGC/PS.ECP1. The Company will require to carry out interaction tests to determine whether its own system will be adversely affected by any new service and/or its protective measures. Any work requiring the removal modification and or movement of Company Apparatus shall only be carried out by the staff of the Company and/or its authorised contractors and Agents. In the event that any cathodic protection posts and/or associated Apparatus require to be removed, replaced and/or moved for the purposes of the Works, the Contractor shall give not less than seven days written notice of the requirement to the Company.
9. When excavating or backfilling around Company Apparatus, the Company Representative shall be given not less than 3 days written notice, of the Contractor's intentions in order that he may supervise the works.
10. Backfilling shall be in 225mm layers consolidated layer by layer to the satisfaction of the Supervisor. Fill shall be free from flints stones and carbonaceous material. Where slabbing reduces such depth clean sand filling shall be used.
11. All excavation adjacent to Company Apparatus is to be carried out by hand until the exact extent and/or location of Company Apparatus is known. The Contractor shall note the following:
 - (1) Mechanical borers and/or excavators shall not be used within 3.0m of Company Apparatus
 - (2) Hand held power assisted tools shall not be used within 1.5m of Company Apparatus without the Supervisor presence of a Company Representative. To prevent any movement of Company Apparatus during excavation, complete shuttering shall be used as directed by the Supervisor if:-
 - (a) Excavation is deeper than the depth of cover of adjacent Company Apparatus.
 - (b) Excavation is within 3.0m of Company Apparatus in stable soil.
 - (c) Excavation is within 6.0m of Company Apparatus in unstable soil.

Where excavation results in the exposing of Gas pipelines or other Company Apparatus protective timber cladding shall be applied to the Gas Pipelines or Apparatus to the satisfaction of the Supervisor and shall be maintained until such excavation is reinstated and backfilled.
12. If for the completion of the Works the Contractor intends using any of the following:-
 - (i) Pile driving equipment within 15.0m of Company Apparatus
 - (ii) Explosives within 400.0m of Company Apparatus
 - (iii) Hot Works welding and the like within 15.0m of Company Apparatus
 - (iv) Hydraulic testing within 8.0m of Company Apparatus
 - (v) Earth augers within 1.0m of Company Apparatus

The Contractor shall advise the Company Representative, giving at least 7 days written notice, in order that any special protective measures for the Company Apparatus affected may be arranged. The Contractor SHALL NOT proceed with the use of any of the above without the written consent of the Company Representative.

13. All Company Apparatus manholes and/or other access points and chambers within the Site shall be kept clear and unobstructed. Access for vehicles, winches and/or any further equipment required by the Company for the maintenance of its Apparatus, must be maintained at all reasonable times and unless otherwise agreed in writing by the Company representative a clearance of 6.0m shall be allowed for such access.
14. The covers to Company Apparatus manholes and/or other access points and chambers shall only be lifted under the direct supervision of the Company Representative. No employee of the Contractor or of any sub-contractor employed by the Contractor shall enter any chamber and/or Apparatus of the Company unless under the supervision of the Company Representative and in any case not before a gas check as specified by the Company Representative has been carried out in the presence of the Company Representative and such checks have shown it to be safe to enter the Chamber and/or Apparatus of the Company. The Company Representative shall be given reasonable access to all Company Apparatus and chambers when required.
15. In the event of any damage whatsoever even of a minor nature to Company Apparatus particularly to Gas pipeline coating and/or test leads the Contractor shall immediately inform the Supervisor and report the occurrence by contacting the Company Representative. The Company Representative will arrange for repairs to be carried out. Where only MINOR repairs are needed to Gas pipeline coatings and/or test leads of which the Company has been previously notified these repairs will be carried out free of charge.
16. The Contractor shall particularly note the following:-

Emergency Action

The following actions shall be taken by the Contractor in the event of a leak in any Gas pipeline:-

- (a) Evacuate all personnel from the vicinity of the pipeline damage or leak.
 - (b) So far as is possible remove and/or extinguish all sources of ignition for a distance of at least 500m in all directions from the location of the leak. This precaution shall include a ban on the use of any electrical equipment falling within this limit.
 - (c) Immediately inform the Emergency services (Fire and Police), the Company and the Supervisor in that order.

The Emergency telephone number of the Company is listed in the telephone directory under GAS
 - (d) Secure the area from the approach of all employees' traffic and/or the general public.
 - (e) Render every assistance to the Emergency Services and/or the Company as shall be requested for the purposes of mitigating damage arising from the leak and/or for the purposes of securing public safety.
 - (f) DO NOT ATTEMPT TO SEAL ANY LEAK OF GAS AT THE POINT OF DAMAGE.
17. The above requirements do not relieve the Contractor of any of his obligations under the Contract.

4. SPECIAL REQUIREMENTS IN RELATION TO WATER AND SEWERAGE COMPANIES

1. For the purposes of this Special Requirement the following terms shall have the meanings assigned to them:-

(a) 'Company' means:-

Dwr Cymru Welsh Water

or its successors and assigns.

(b) 'Company Representative' means the Chief Civil Supervisor of the said 'Company' defined at 1(a) of this Special Requirement or other duly Authorised Supervisor Representative and/or Agent appointed for the time being to act on behalf of the said Company'.

(c) 'Mains and Sewers' means any surface or sub-surface pipeline or construction together with any associated apparatus appliance access covers manholes, shafts and/or chambers thereto owned, leased or rented by the said 'Company' defined at 1(a) of this Special Requirement.

2. Before commencing any work or moving heavy plant or equipment over any portion of the Site the Contractor shall confirm the details and location of any Mains and Sewers of the Company with the Company Representative.

3. Where such details show that the Works or the movement of plant or equipment may endanger the Mains and Sewers of the Company, the Contractor shall give the Company Representative at least 7 days written notice of the date on which it is intended to commence such works or the movement of plant and equipment in order that the presence of any Mains and Sewers can be indicated by markers to be supplied by the Company and placed by the Contractor under the supervision of The Company Representative. The Contractor shall ensure that all Company Mains and Sewers, are adequately protected from damage and such protective measures shall be approved by the Supervisor.

4. In the event of a Company marker being disturbed for any reason it shall not be replaced other than in the exact position and to its former depth unless the repositioning is carried out at the direction and under the supervision of the Company Representative.

5. All excavation adjacent to Company Mains and Sewers, is to be carried out by hand until the exact extent and/or location of Company Mains and Sewers is known. Mechanical borers and/or excavators shall not be used within 3.0m of Company Mains and Sewers without the presence of the Company Representative. To prevent any movement of Company Mains and Sewers during excavation, complete shuttering shall be used as directed by the Supervisor if:-

(a) Excavation is deeper than the depth of cover of adjacent Company Mains and Sewers.

(b) Excavation is within 3.0m of Company Mains and Sewers in stable soil.

(c) Excavation is within 6.0m of Company Mains and Sewers in unstable soil.

If for the completion of the Works the Contractor intends using any of the following:-

(i) Pile driving equipment within 15.0m of Company Mains and Sewers

(ii) Explosives within 200.0m of Company Mains and Sewers

(iii) Any hot work such as welding and the like within 6.0m of any Company Mains and Sewers

The Contractor shall advise the Company Representative, giving at least 7 days written notice, in order that any special protective measures for the Company Mains and Sewers affected may be arranged.

6. Material of any kind whatsoever comprising part of Company Mains and Sewers, manholes, shafts or any other construction shall not be cut away without the prior written approval of the Company Representative.
7. Any temporary roads or access routes within 5.0m of Company Mains and Sewers, shall be provided with a load bearing surface to the satisfaction of the Company Representative.
8. The Contractor or any sub-contractor employed by him shall not stack pile and/or store materials of any kind or erect temporary structures and/or notice boards of any sort within 5.0m of any Company Mains and Sewers.
9. All Company Mains and Sewers, especially manholes, shafts, and access points and/or chambers within the Site shall be kept clear and unobstructed. A minimum 3.0m access sufficient for heavy vehicles and/or any further plant and equipment required by the Company for the maintenance of its Mains and Sewers, must be maintained to and around the centre of any Company manholes, shafts, chambers and or other access points and the Company Representative shall be given access to all Company Mains and Sewers when required at all reasonable times.
10. The covers to Company Mains and Sewers, particularly manholes, shafts and access points and/or chambers shall only be lifted under the direct supervision of the Company Representative. Employees of the Contractor or of any sub-contractor employed by the Contractor shall NOT enter any Company Mains and Sewers manholes, shafts, access points and/or chambers unless under the supervision of the Company Representative and in any case not before any safety checks required by the Company Representative have been carried out and such checks have shown it to be safe to enter the Company Mains and Sewers.
11. In the event of any damage whatsoever to Company Mains and Sewers, the Contractor shall immediately inform the Supervisor and report the occurrence immediately by contacting the Company Representative.
12. The Contractor and/or any sub-contractor employed by the Contractor shall take all necessary precautions to ensure that any Company Mains and Sewers are fully protected from any accidental falls or flows of liquids and/or materials, which by themselves or in combination with any existing materials and/or liquids could cause or aggravate pollution, create poisonous substances and/or toxic fumes or react with sewer contents to cause toxic substances or fumes and/or could cause harm to persons or property and/or impede any operations of the Company.
13. The Contractor and/or any sub-contractor employed by the Contractor shall not discharge nor cause to be discharged any water or other liquid or tip any condemned or surplus material or waste of any kind whatsoever into Company Mains and Sewers nor abstract, extract and/or draw water from any Company Mains and Sewers without the written permission of the Company Representative.
14. The Contractor shall particularly note that the Sewer system can be liable to 'surcharge' in certain circumstances and under these conditions is liable to bursting. Stringent safety precautions as directed by the Company Representative shall be applied in such conditions.
15. The Contractor shall particularly note the following:-

Emergency Action

The following actions shall be taken by the Contractor in the event of a burst to any of the Company Mains and Sewers:-

1. Immediately inform the Emergency services (Fire and Police), the Authority and the Supervisor in that order.
2. Secure the area from the approach of traffic and/or the general public.
3. Render every assistance to the Emergency Services and/or the Authority as shall be requested for the purposes of mitigating damage arising from the leak and/or for the purposes of securing public safety.
4. With regard to land slope and any apparent flow direction of any leaking sewerage or water, construct if possible and as necessary dams bunds with earth and/or board to prevent flows inundating any adjacent properties, ditches, streams, drains, manholes or other such water courses and ducts.
5. The above requirements do not relieve the Contractor of any of his obligations under the Contract

5. SPECIAL REQUIREMENTS IN RELATION TO THE HIGHWAY LIGHTING SYSTEM

1. In this Special Requirement the following terms shall have the meanings assigned to them:

- (a) "Authority" means the Merthyr Tydfil Country Borough Council.
- (b) "Authority's Representative" means the Highway Lighting technical staff of the Bridgend County Borough Council or its authorised representatives and agents.
- (c) "Apparatus" means all surface or sub-surface equipment and any associated cabling and/or ducting owned, leased or rented by the Bridgend County Borough Council for the purposes of highway lighting and/or electrical supplies.

2. Before commencing any work or moving heavy plant or equipment over any portion of the site the Contractor shall confirm details of the Apparatus, owned, leased or rented by the Authority within the site with the Authority's Representative.

The Approximate positions of such Apparatus within the site where known will be shown on the Contract Drawings. Such Apparatus is usually, but not exclusively, confined to the verges and central reservations of sites. The Contractor shall arrange for the Authority's Representative accurately to locate all buried Apparatus, particularly cable runs, by means of electrically operated cable detection equipment. The Contractor shall verify each location by hand excavated trial holes at 10m intervals or at other such intervals as may be deemed necessary by the Authority's Representative. All trial holes shall be excavated with caution and due regard for the prevention of damage to the Apparatus.

3. Where such details and trial excavations show that the Works or the movement of plant or equipment may endanger the Apparatus of the Authority, the contractor must give the Authority's Representative at least 7 days' notice of the date on which it is intended to commence work and/or the movement of plant and equipment in order that the presence of sub-surface Apparatus previously located and particularly cable runs can be indicated by 1m marker pegs and a continuous spray painted line of conspicuous colour which shall be maintained throughout the duration of the Contract. Marker pegs will be supplied by the Contractor and placed under the supervision of the Authority's Representative. The Contractor shall ensure that all Apparatus of the Authority, particularly surface running cabling, which shall include any cabling specified as "interrupter cable", and/or cabling or "interrupter cabling" previously clipped to fence posts for temporary connection in advance of the Contract by the Authority's Representative, is adequately protected from damage and such protective measures shall be approved by the Supervisor. The Contractor should particularly note that surface cabling shall not under any circumstances be aurally suspended without the prior consent of the Supervisor and then only in a manner as shall be specified by the Authority.

4. In the event of a marker peg being disturbed for any reason it shall not be replaced other than in the exact position and to its former depth unless the repositioning is carried out at the direction and under the supervision of the Authority's Representative.

5. The work should be carried out to conform with the National Joint Utilities Group document "Recommendations on the Avoidance of Danger from Underground Electricity Cables".

6. On completion of the Works all previously excavated trial holes shall be backfilled with sand of a type and grade approved by the Supervisor to a depth of 75mm above the Apparatus of the Authority. Suitable material approved by the Supervisor shall then be used to fill the excavation to within 150mm of the finished ground level. This material shall be compacted in a manner approved by the Supervisor prior to final top soiling of the site.

7. Unless the Apparatus, particularly any cabling, is being removed as part of the Works, then before commencing any work, including setting of level pins and the like, the Contractor shall arrange for the Authority's Representative to carry out a limited insulation test on each length of "longitudinal cable" forming part of the Apparatus of the Authority that is likely to be affected by the work. This limited test shall record the insulation resistance values between unused conductors, unused conductors to armour and armour to earth, using a 500 volt DC megger. Two copies of the results of this test shall be furnished by the Contractor to the Supervisor. Upon the completion of the works and before the issue of the Certificate of Completion, a similar test shall be carried out on all completed work and two copies of the results of this latter test shall be furnished to the Supervisor.
8. The Contractor shall give 24 hours written notice to the Supervisor before commencing any work within 1.5m of the line of surface or sub-surface Apparatus and shall notify all operatives, including any sub-contractors, employed by the Contractor of the presence of such Apparatus, particularly any cabling, together with the need to exercise extreme care and attention to ensure the prevention of any damage. The Contractor shall ensure all such excavations take place in the presence of a responsible Supervisor. The identity of the Contractor's Supervisor for the purposes of such excavation shall be made known to the Supervisor and be subject to his approval.
9. All excavation adjacent to the Apparatus of the Authority is to be carried out by hand until the exact extent and/or location of such Apparatus is known. Mechanical borers and/or excavators shall not be used within 1.5m of such Apparatus without the Supervisor presence of the Authority's Representative. To prevent any movement of such Apparatus during excavation, adequate protective and stabilising measures shall be used as directed by the Supervisor if:
 - (b) excavation is deeper than the depth of cover adjacent to such Apparatus;
 - (c) excavation is within 1.5m of such Apparatus in stable soil; and
 - (d) excavation is within 5m of such Apparatus in unstable soil.

6. SPECIAL REQUIREMENTS IN RELATION TO NATURE CONSERVATION

1. Work on hedges - Protection of Birds

The Contractor's attention is drawn to the Wildlife and Countryside Act 1981 for protecting birds, their young, nests and eggs. It is an offence to take, damage, or destroy the nest of any wild bird while that nest is in use, or being built, or to take or to destroy an egg of any wild bird even where that is done pursuant to lawful authority or requirement if any of those activities could reasonably have been avoided in carrying out the prescribed or authorised work on the hedge.

2. Bats in Buildings

The Contractor's attention is drawn to schedules 1 & 5 of the Wildlife and Countryside Act 1981, protecting the habitats of bats and owls. If the Contractor has evidence to suggest that any building affected by the works is the habitat of either bats or owls he should seek advice from either of the following Centres of Conservation Advice and advise the Authority's Representative accordingly.

The Bat Conservation Trust,

c/o The Conservation Foundation,
Lowther Lodge,
1 Kensington Gore,
SW7 2AR

or

c/o The London Ecology Centre,
45 Shelton Street,
London,
WC2H 9HJ
(Tel: 071-240-0933).

3. Sites of Special Scientific Interest (SSSI)

Where Works are sited within the boundary of a designated SSSI the Contractor shall give notice to the natural resources Wales (NRW) under Section 28E(1) of the Wildlife and Countryside Act 1981.

Works shall not commence until written approval from CCW to the proposals have been obtained. Written notification shall also be provided to CCW if the approved operations are to be amended or additional operations are to be carried out to which CCW had not previously consented.

7. SPECIAL REQUIREMENTS IN RELATION TO THE NATURAL RESOURCES WALES

1. In these Special Requirements the following terms shall have the meanings assigned to them:

- a) 'The Authority' means The Natural Resources Wales.
- b) 'Authority's Representative' means the area engineer and appropriately authorised staff of The Natural Resources Wales or its Authorised Representatives and Agents.
- c) 'Watercourse' means all water resources including ground and/or percolating water together with all rivers streams ditches drains cuts culverts dykes sluices lakes ponds reservoirs docks channels creeks bays estuaries or arms of the sea together with all associated apparatus and appliances administered by 'The Authority' in pursuit of or as part of its statutory functions.

2. The Contractor shall give the Authority's Representative at least 14 days written notice before commencing any work or moving heavy plant or equipment over any portion of the Site and shall provide the Authority's Representative with an outline programme for the Works which shall be kept fully updated throughout the period of the contract. The Contractor shall give the Authority's Representative NOT LESS than 7 days written notice of any change in programming which affects any Watercourse. The Authority's Representative can be contacted at the following point:

Address: Area Flood Defence Manager
 Natural Resources Wales
 South East Wales Area
 Rivers House
 St Mellons
 Cardiff
 CF3 0EY

Telephone: 0300 065 3000

- 3. All operations on in or affecting Watercourses property or premises for which The Authority is responsible shall be carried out in such a manner so as not to endanger the Watercourses property or premises for which The Authority is responsible and/or any persons entitled to be present.
- 4. The Authority's Representative shall at all reasonable times have access to any part of Watercourses property or premises for which The Authority is responsible on the Site.
- 5. Where for the purposes of completing the Works in accordance with the Contract excavation is required affecting Watercourses property or premises for which The Authority is responsible the Contractor shall give the Authority's Representative 3 days written notice of such excavation work so that the Authority's Representative may attend upon the Site to supervise the excavation.
- 6. If the execution of the Works requires access onto or over the floodbank of a Watercourse the Contractor shall provide proper means for such access by way of temporary ramps of suitable gradient surfaced with stone or other material as shall be approved by the Authority's Representative. ON NO ACCOUNT shall the level of the floodbank crest be reduced without the written permission of the Authority's Representative and then ONLY under such conditions and restrictions as the Authority's Representative may require.
- 7. Where for the purposes of completing the Works in accordance with the Contract there is a requirement for a bank and/or floodbank or part thereof to be temporarily removed such removal shall ONLY be carried out with:
 - (a) The written permission of the Authority's Representative and then ONLY under such conditions and restrictions as the Authority's Representative may require.

- (b) The provision of a suitable alternative flood barrier to be approved by the Authority's Representative which shall be maintained to the full height of the original flood bank until such times as reinstatement of the original flood bank is completed to the satisfaction of the Authority's Representative.
8. Throughout the period of the Contract The Contractor MUST take all necessary measures with regard the Watercourse flood plain and/or continued operation of land drainage systems to ensure:
- (a) Flow rates are maintained
 - (b) The FULL AND PROPER discharge of any flood waters.
9. The Contractor SHALL NOT at any time construct temporary access or haul roads within the floodplain area whose surface level is higher than the existing floodplain ground level. Upon the completion of the Works all such Temporary Works shall be removed and the floodplain reinstated to the satisfaction of the Authority's Representative.
10. The Contractor SHALL NOT at any time store or stockpile on the floodplain area equipment and/or materials that will float or contaminate a Watercourse in the event of the floodplain being inundated.
11. Throughout the period of the Contract the Contractor shall ensure that the structural integrity of any fluvial tidal and/or sea defence Works is fully protected and maintained.
12. The Contractor shall take all necessary measures to secure the protection of all watercourses including water in underground strata against silting erosion flooding and/or pollution of the water so as to affect adversely the quality or appearance thereof or cause injury or death to animal aquatic or plant life and/or damage to property and land. Such protective measures shall include, but not be limited to, the following:
- (a) All fuel lubricating oil and/or other liquid chemicals stored on the Site shall be located as far as reasonably possible and in any case NOT LESS THAN 10.0M from any Watercourse and such stores shall be sited on impervious bases and incorporating a system of impervious containment effectively capable of retaining the full contents of the store plus 10% and with a sealed drainage system with no discharge to any Watercourse land or groundwater. All such stores shall be kept locked or otherwise secured when not in use and all containers therein must bear clear labels giving full descriptions of the contents. A stock of absorbent material suitable for use on the contents of the store MUST be maintained on the Site.
 - (b) Any leaking and/or empty oil/fuel/chemical containers shall be removed from the Site immediately.
 - (c) All fixed equipment using fuel/oil shall be located as far as reasonably possible from any Watercourse and shall be surrounded with oil absorbent material to contain spills and leaks. All moveable equipment when not in operation during working hours shall be located as far as reasonably possible, and in any case not less than 10.0m from any Watercourse. Outside working hours moveable equipment is to be located in an area which is as far as reasonably possible, and in any case not less than 10.0m from any watercourse and shall be surrounded with oil absorbent material to contain spills and leaks.
 - (d) The refuelling of machines shall be strictly controlled and confined to a location as far as reasonably possible from any Watercourse.
 - (e) Providing for silted or discoloured water from the Works and/or the cleaning of vehicles or cement/concrete using plant to be treated or settled in a lagoon prior to discharge into a Watercourse, which discharge shall only take place with the approval of the Authority's Representative.

- (f) Prevention of the unauthorised abstraction extraction and/or drawing of water for any reason from any Watercourse property or premises for which The Authority is responsible. While protecting any existing abstraction arrangements whether licensed or not together with any domestic abstractions exempt from such licensing requirements. (A list of licensed abstractions is available on a public register).
- (g) Ensuring that any ford required to allow plant or vehicles to cross a Watercourse consists of steel plank roadway hardcore road and/or exceptionally a series of concrete pipes sufficient to carry the dry weather flow of the Watercourse topped with concrete slabs at such a level that flood water will overtop the obstruction without causing flooding or other adverse effects and that such construction as is permitted by The Authority is entirely removed from the Watercourse upon the completion of the Works and any access ramps or banks shall be fully reinstated to the satisfaction of the Authority's Representative.
- (h) Ensuring that any plant used in or fording a Watercourse is not noticeably leaking fuel oil and/or any other fluid.
- (i) The placing of any wet concrete in or adjacent to any Watercourse is strictly controlled in such a manner that cement contamination of the Watercourse does not occur.
- (j) Ensuring that only material free from polluting toxic substances is used at locations where drainage from new material can directly or indirectly enter any Watercourse.
- (k) Where for the purposes of completing the Works in accordance with the Contract any work is required on a sewer of any kind in particular a trunk sewer ensuring that such work is only carried out with the full knowledge of the sewer authority and then ONLY under such conditions and restrictions as The Authority's Representative and the sewer authority may impose.
- (l) Ensuring that the banks and foreshore of any Watercourse are kept clear of material, plant and other items unless actually in use for the purposes of the Works.
- (m) Ensuring that materials intended for or arising from the Works together with any other plant and/or equipment are not stored or disposed of:
 - (i) In the Watercourse.
 - (ii) Placed in such a manner where such items might fall slip or be washed into any Watercourse.
- (n) Preventing the spread of the following plant species:
 - (i) Japanese Knotweed
 - (ii) Giant Hogweed.

In particular any spoil or other such arisings contaminated with or suspected of being contaminated with the rhizomes and/or roots of these species SHALL NOT be spread to areas currently free of these plants but shall be disposed of as directed by the Authority's Representative.
- (o) In the preparation of his programme for the Works ensuring that the Watercourse is NOT disturbed during:-
 - (i) the period October to March inclusive where significant populations of salmonoid fish are present and/or
 - (ii) the period April to June inclusive where significant populations of coarse fish are present

unless otherwise specifically agreed in writing by the Authority's Representative (and then ONLY under such conditions and restrictions as the Authority's Representative may apply).

- (p) Regularly scraping and maintaining free from deposits of slurry or other debris haul roads on the Site and the approaches to any Watercourse. Any arisings shall be disposed of as directed by the Authority's Representative.
- (q) Ensure that surface water drains are not contaminated by any debris or other arisings from the Works.
- (r) Provide suitable sheeting under any structure over a Watercourse where the structure is to be cleaned by mechanical or chemical means and/or painted in order to prevent material entering the Watercourse.

In the event that notwithstanding the taking of such protective measures any incident occurs which may place the Watercourse including water in underground strata or fish populations at risk the Contractor shall IMMEDIATELY inform the Authority's Representative and the Engineer and shall immediately carry out instructions to abate and remedy the situation.

13. Unless specified as a requirement of the Contract, the Contractor shall NOT without the specific written permission of the Authority's Representative, (and then ONLY under such conditions and restrictions as the Authority's Representative may require), do any of the following:-

- (a) Remove 'bed' material for use in the construction of the Works or elsewhere.
- (b) Remove from any part of the bottom channel or bed of a Watercourse a deposit accumulated by reason of any dam weir or sluice and SHALL NOT undertake such removal by causing the deposit to be carried away in suspension in the waters.
- (c) Remove vegetation other than fallen trees from or adjacent to any Watercourse.
- (d) Allow cut vegetation from approved clearance works to enter any Watercourse.
- (e)
 - i) Remove aquatic weeds in the period May to August inclusive
 - ii) Spray aquatic weeds.
- (f) Use floating plant barges and/or pontoons and the like in any Watercourse.
- (g) Display any advertisement or other material, except as specifically required by this Special Requirement, on or above Watercourses property or premises for which The Authority is responsible.
- (h) Discharge surface water of any kind in any way into Watercourses property or premises for which The Authority is responsible.
- (i) Construct any Temporary Works in the Watercourse and/or temporarily divert obstruct and/or pipe any Watercourse and/or obstruct any floodplain by spoil heaps or by any other means except where and to the extent that approval has been specifically given and/or previously obtained.
- (j) Close any navigable Watercourse to waterborne craft or traffic without giving the Authority's Representative at least 28 days written notice. (The granting of permission for such a closure MUST NOT be presumed).
- (k) Notwithstanding the approval of any other Statutory and/or Regulatory body use explosives in or adjacent to any Watercourse property or premises for which The Authority is responsible (permission for such use by The Authority will ONLY be granted IN THE MOST EXCEPTIONAL CIRCUMSTANCES).

Where any of the above works are specified as a requirement of the Contract the Contractor's method and timing of construction will be subject to the written approval of the Authority's Representative (under such conditions and restrictions as the Authority's Representative may require). The Contractor shall submit his proposals at least 2 weeks in advance of approval being required.

14. Where for the purposes of completing the Works in accordance with the Contract any work is required above or in the Watercourse the Contractor shall, except where otherwise specified in the Contract or agreed in writing by the Authority's Representative:-
- (a) Provide and maintain a minimum height clearance as shall be specified in writing by the Authority's Representative above the water surface of the Watercourse or highest expected water surface where this is variable.
 - (b) Stockpile keep clean and replace on completion of the Works any 'bed' material necessarily removed from the Watercourse in the course of the construction of the Works.
 - (c) Submit to the Authority's Representative written proposals for maintaining at all times the free passage of fish.

THE CONTRACTOR SHOULD PARTICULARLY NOTE WHEN PLANNING ANY WORK IN RELATION TO THE WATERCOURSE THAT THE AUTHORITY CANNOT GUARANTEE ANY PARTICULAR WATER LEVEL OR DEPTH NOR PREVENT ANY FLUCTUATIONS TO SUCH WATER LEVEL DEPTH OR SPEED OF FLOW IN ANY WATERCOURSE.

15. Where for the completion of the Works in accordance with the Contract work is required on or near the edge of a navigable Watercourse and such work involves projections of any kind into the navigable channel and/or anywhere vertically above the line of its edge the Contractor shall:-
- (a) Throughout the course of the Works provide permanent markers on the extremities from the bank of the projection by the placing thereon of warning markers/notices/lights as specified by the Authority's Representative.
 - (b) If the projection of the work into the navigable channel exceeds 0.5m the projecting works shall be protected from the impact of passing waterborne craft as specified by the Authority's Representative.
 - (c) Provide notice boards of a type size shape colour and with a written warning as specified by the Authority's Representative shall be sighted on the Watercourse edge as required by the Authority's Representative.
16. Any floating plant barge and/or pontoon on the Watercourse for which the Contractor has obtained the permission of the Authority's Representative shall at all times be properly secured so as not to constitute a hazard to navigation and/or Watercourse management and all reasonable precautions shall be taken by the Contractor to prevent accidental or malicious casting adrift or sinking.
17. If any plant floating plant barge and/or pontoon falls or sinks or is cast adrift in the Watercourse the Contractor shall immediately inform the Authority's Representative and the Engineer and take immediate steps to make the hazard known to users of the Watercourse. The Contractor shall immediately arrange the salvage/re-securing of the plant floating plant barge and/or pontoon from the Watercourse and until such salvage/re-securing has been completed. The Contractor shall provide buoys, markers and erect warning notices indicating the navigation hazard to Watercourse users to the satisfaction of the Authority's Representative.

18. The Contractor shall not reduce the width of any Watercourse at any time without the written approval of the Authority's Representative. In order to consider a request for a temporary reduction in the width of any Watercourse the Authority's Representative will require fully detailed proposals, which show evidence that the Contractor has made every effort to minimise:-
- (a) The risk of damage to the Watercourse and/or its channel;
 - (b) The risk of flooding at all potential flow conditions within the Watercourse;
 - (c) The length of time such reduction in Watercourse width will be required.
19. If for the purposes of completing the Works in accordance with the Contract work necessitates the closure and/or the reduction in width of any Watercourse access or footpath the Contractor shall give to The Authority at least 7 days written notice and shall provide to the satisfaction of the Authority's Representative:
- (a) An alternative pedestrian access with a minimum width of 2.0m with adequate fencing to each side which shall be smoothly surfaced with 75mm of ashes or such similar material as may be specified by the Authority's Representative.
 - (b) An alternative emergency access for the Authority's plant and equipment with a minimum width of 3.5m and adequately surfaced for the passage of vehicles plant and/or equipment which surface shall have a maximum gradient of 1 in 10.
20. The Contractor shall keep the Watercourses property or premises for which The Authority is responsible free from rubbish. The Contractor shall not leave rubbish on or in Watercourses property or premises for which The Authority is responsible and shall subject to the approval of the Engineer clear away and remove all constructional plant surplus materials and Temporary Works from Watercourses property or premises for which The Authority is responsible as and when these cease to be required for the purposes of the Works.
21. Unless otherwise expressly stated in the contract upon completion of the Works the Contractor shall remove any ford coffer dam and/or other Temporary Works from the Watercourses property or premises for which The Authority is responsible.
22. Except where otherwise provided for in the Contract every part of the bank and/or channel of the Watercourse shall be fully reinstated by the Contractor to the surrounding bank profile topsoiled seeded and/or turfed as appropriate.
23. Except where otherwise provided for in the Contract all property and premises affected by the Works for which The Authority is responsible shall be fully reinstated and all damage to land property or premises for which The Authority is responsible shall be made good by the Contractor to the satisfaction of the Authority's Representative.

EMERGENCY ACTION

24. The following actions shall be taken by the Contractor in the event of any breach and/or risk of major pollution to a Watercourse or land drainage area or any incidence of fish kill:
- (a) IMMEDIATELY inform The Authority the Engineer and (if required) the Emergency services in that order.

FOR THE AUTHORITY telephone:- '0800 807060'

- (b) Secure the area from the approach of traffic and/or the general public.
- (c) Render every assistance to The Authority and/or the Emergency Services as shall be requested for the purposes of mitigating damage and/or for the purposes of securing public safety.

- (d) With regard to land slope and any apparent flow direction of any water flowing from any breach, construct if possible and as necessary dams bunds with earth board and/or sheet to prevent or restrain loss of water from the Watercourse and/or flows inundating any adjacent property.
 - (e) With regard to land slope and any apparent flow direction of any potentially polluting material or liquid, construct if possible and as necessary dams bunds with earth board and/or sheeting to prevent or restrain such material from reaching the Watercourse and/or flows inundating any adjacent property.
 - (f) Where notwithstanding the above potentially polluting material or liquid has entered a Watercourse construct if possible dams/booms with board and/or sheet materials to retain and limit the extent/effect of such pollutants within the Watercourse pending instructions for full remedial action while permitting the continued flow of water.
25. Compliance with the above requirements shall not relieve the Contractor of any of his obligations under the Contract.

8. SPECIAL REQUIREMENTS IN RELATION TO WELSH GOVERNMENT AGRICULTURE DEPARTMENT

1. In these Special Requirements the following term shall have the meaning assigned to it:
 - a) 'Welsh Government Environment and Countryside Representative' means the staff of Welsh Government Environment and Countryside or its appropriately Authorised Representatives and Agents empowered to act on its behalf.
2. Before commencing any work over any portion of the Site the Contractor shall confirm with Welsh Government Environment and Countryside, details of any restrictions relating to the prevention of the spread of animal, plant and/or poultry diseases which may for the time being be in force relating to the Site and any surrounding land and/or access ways to which the Contractor or any sub-contractor employed by him may have or seek to gain entry for the purpose of the Works. Welsh Government Environment and Countryside can be contacted at the following point:-

Environment and Countryside
Welsh Government
Cathays Park
CARDIFF CF10 3NQ
Tel: 0300 060 4400

3. The Contractor shall ensure that his employees or the employees of any sub-contractor employed by him shall avoid all contact with livestock on or adjacent to the Site and keep strictly to any route which has been agreed with any owner/occupier of land affected by the Works at all times.
4. Where it is necessary for the purpose of the Works to enter land on which livestock are or may be kept the Contractor shall take all precautions to prevent any livestock penetration from adjacent land onto such land and/or contact between any livestock on that land and other livestock from adjacent land.
5. Where it is necessary for the purpose of the Works to enter land which is or has recently been occupied by livestock the Contractor shall provide, at each entry or exit to such land, appropriate arrangements for disinfecting all footwear and vehicles upon entry or exit from such land to the satisfaction of the Engineer. He shall ensure that all footwear and vehicles are cleansed of all dirt and mud before disinfecting with a clean disinfectant, regularly replenished at the correct dilution and which carries a valid citation on the label certifying approval by Welsh Government Agriculture Department.
6. The Contractor shall not enter buildings occupied or used by livestock for the purpose of the Works without the express written consent of the owner/occupier. When such entry is necessary, rubber boots and protective over garments of an appropriate type shall be worn at all times which shall be disinfected upon the entry and exit from such buildings in accordance with the instructions given at paragraph 5 above.
7. Notwithstanding any other provisions within the Contract the Contractor shall take all necessary precautions to ensure that streams, ditches and water troughs are not polluted as a result of the carrying out of the Works and that ditches and drainage outfalls are adequately protected from damage pollution and/or silting to the satisfaction of the Engineer.
8. The Contractor shall ensure that litter and/or debris resulting from the Works is not left or allowed to accumulate on or adjacent to the Site in areas accessible to livestock. The Contractor shall particularly make every effort to remove discarded foodstuffs remaining from human consumption - these may carry infectious agents harmful to livestock.

9. The Contractor shall ensure that all gates are kept closed and appropriately secured and shall make every effort to avoid damage to fences hedges trees and walls in order to prevent livestock from straying. Where such damage does occur the Contractor shall take immediate action to secure any resulting breach from the penetration and/or escape of livestock and immediately thereafter notify the Engineer who shall consult the owner/occupier as appropriate.
10. In addition to the above requirements the Contractor shall take all necessary precautions to protect farmers stock herds against the risk/spread of Brucellosis. Such precautions shall include, but not be limited to, the provision by the Contractor at each entry or exit to such land, appropriate arrangements for disinfecting all footwear and vehicles upon entry or exit from such land to the satisfaction of the Engineer. He shall ensure that all footwear and vehicles are cleansed of all dirt and mud before disinfecting with a clean disinfectant, regularly replenished at the correct dilution and which carries a valid citation on the label certifying approval by Welsh Government Agriculture Department.
11. The Contractor shall strictly comply with any restrictions and/or precautions relating to the movement of soil which may be requested by Welsh Government Agriculture Department in the interest of restricting the spread of the following crop diseases:

Rhizomania (affecting beet)
Red Core Disease (affecting strawberries)
Wart Disease (affecting potatoes)
Verticillium Wilt (affecting hops)
Cyst Nematodes (affecting potatoes/beet)
12. The Contractor shall strictly comply with any restrictions and/or precautions relating to the movement of soil which may be requested by Welsh Government Agriculture Department in the interests of preventing the spread of the following plant species:

Japanese Knotweed
Giant Hogweed

In particular any soil or other such arisings contaminated with or suspected of being contaminated with the rhizomes and/or roots of these species SHALL NOT be spread to areas currently free of these plants but shall be disposed of as directed by Welsh Government Agriculture Department Representative.

13. With regard to livestock diseases:

Foot and Mouth Disease
Newcastle Disease (Fowl Pest)
Swine Fever
Swine Vesicular Disease

Should an outbreak of any of the above highly infectious diseases occur in the area the Contractor and/or any sub-contractor employed by him shall not enter further upon any land and shall immediately inform the Engineer and request instructions. The Engineer shall consult with and seek instructions immediately from Welsh Government Agriculture Department Representative.

Carcase Burial Pits

Such pits contain the remains of animals which have been slaughtered for the purposes of containing certain diseases (particularly Foot and Mouth, but occasionally Anthrax). Unauthorised exhumation of such carcasses is illegal. Where there is prior knowledge that Carcase Burial Pits may exist in the area of the Works Welsh Government Agriculture Department Representative may be able to offer assistance in their location. However, if during the course of the Works a Carcase Burial Pit is encountered by the Contractor or any sub-contractor employed by him all work shall cease at that location and the Contractor shall appropriately secure that area of the Site against access and immediately inform the Engineer and request instructions. The Engineer shall consult with and seek instructions immediately from Welsh Government Agriculture Department Representative.

14. Compliance with the above requirements shall not relieve the Contractor of any of his obligations under the Contract.

SCHEDULE 2 - SITE INFORMATION

Site Location

The site location is shown on drawing TCBT-WSP-XX-XX-DR-S-000001 and proposed site boundary is shown on drawing TCBT-WSPCAP-XX-XX-DR-S-000002. The tender drawings listed in Appendix B show the general nature of the site and extent of the works required in relation to the existing layout.

The Site

The site is located off Crescent Street, Merthyr vale, CF68 4RW, Ordnance Survey grid reference ST 07546 99441.

Access to the site

Vehicular access to the site is from Crescent Street only. Parking of vehicles and plant, and temporary welfare facilities where required can be situated on the Former Apartment Building site. Contractor may decide to locate the welfare facilities / site compound on the portion of land adjacent to the entrance of the site, see site boundary drawing for location.

The Contractor shall ensure that temporary facilities, parked vehicles and plant, materials, etc. are not situated so as to adversely affect occupiers of the residential properties and/or business premises adjacent to the site.

Site Constraints

The Contractor is to ensure that working methods do not impact upon the safe and satisfactory operation of the site and the adjacent residential properties and/or business premises.

Permitted hours of work shall be:

Monday – Friday	08:00 to 18:00
Saturday	08:00 to 13:00

The use and handling of mechanical plant and materials in the vicinity of areas used by residents and members of the general public shall be carried out under the control at all times of an experienced banksman employed by the Contractor. Unless fool-proof guard rails locking devices or other safety measures can be provided to the satisfaction of the Project Manager such work within 1 metre of the traffic face of the adjacent areas shall only be carried out while those areas are closed to pedestrian or vehicular traffic. Works within 1 metre of any other areas used by the public will be agreed in writing with the Project Manager prior to commencement of said works.

The site boundary is shown on drawing TC-CAP-XX-XX-DR-S-000002. The Contractor shall ensure that all plant, vehicles, temporary facilities, stockpiled material etc. are securely fenced in.

The Taff River runs adjacent to the building that is to be demolished. During the demolition, the river will need to be protected to prevent any demolition debris to enter the watercourse.

Use of the site shall be limited to only those activities required to carry out the Works.

It is expected that the Contractor will have given due consideration to ensuring that adequate security of the site will be provided for the duration of the contract.

APPENDIX A – SPECIFICATION(S)

PREAMBLE TO THE SPECIFICATION(S)

- The Specifications referred to in the Tender are:
 - a) the National Building Specification (NBS); and
 - b) the 'Specification for Highway Works', published by The Stationery Office (formerly HMSO) as Volume 1 of the Manual of Contract Documents for Highway Works, as modified and extended by the following:
 - (i) Appendix 0/1: Contract-Specific Additional, Substitute and Cancelled Clauses, Tables and Figures;
 - (ii) Appendix 0/2: Contract-Specific minor alterations to existing Clauses, Tables and Figures;
 - (iii) The Numbered Appendices listed in Appendix 0/3;
 - (iv) Appendix 0/4 contains a list of Drawings;
 - (v) Appendix 0/5: Special national alterations of the Overseeing Organisation of Scotland, Wales or Northern Ireland.
- The relevant publication date of each page of the Specification for Highway Works is given in the Schedule of Pages and Relevant Publication Dates.
- An Additional Clause as indicated by a suffix 'A' in Appendix 0/5 is an alteration originating from the Overseeing Department of Scotland, Wales or Northern Ireland. An Additional Clause as indicated by a suffix 'AR' in Appendix 0/1 is a Contract-specific alteration.
- A Substitute Clause, as indicated by the suffix 'S' in Appendix 0/5 is an alteration originating from the Overseeing Department of Scotland, Wales or Northern Ireland. A Substitute Clause as indicated by a suffix 'SR' in Appendix 0/1 is a Contract-specific alteration.
- A Cancelled Clause as indicated by a suffix 'C' in Appendix 0/5 is an alteration originating from the Overseeing Department of Scotland, Wales or Northern Ireland. A Cancelled Clause indicated by a suffix 'CR' in Appendix 0/1 is a Contract-specific alteration.
- Insofar as any of the Numbered Appendices may conflict or be inconsistent with any provision of the Specification for Highway Works the Numbered Appendices shall always prevail. Additionally, Numbered Appendices 0/1 and 0/2 shall take precedence over Numbered Appendix 0/5.
- Any reference in the Contract to a Clause number or Appendix shall be deemed to refer to the corresponding Substitute Clause number or Appendix listed in Appendix 0/1, 0/2 or 0/5.
- Where a Clause is altered any original Table/Figure referred to in the Clause shall apply unless the Table/Figure is also altered. Where a Table/Figure is altered any reference in a Clause to the original Table/Figure shall apply to the altered Table/Figure.
- Where a Clause in the Specification relates to work goods or materials, which are not required for the Works it shall be deemed not to apply.
- Any Appendix referred to in the Specification which is not used shall be deemed not to apply.
- Where a Clause in the Specification is prefixed by an # this indicates that this particular Clause has a substitute National Alteration for one or more of the Overseeing Organisations

of Scotland, Wales or Northern Ireland. Substitute or additional National Clauses shall be used within countries to which they specifically apply and they are deemed to replace corresponding Clauses in the main text of the Specification as appropriate. The substitute National Clauses are located at the end of the relevant Series together with the additional National Clauses of the Overseeing Organisations.

- Other than where references to the Overseeing Organisation are made in the context of the Overseeing Organisation granting statutory or type approvals, the roles and functions of the Overseeing Organisation shall be undertaken by the Project Manager.

Where the Specification requires the provision of documentation to the Overseeing Organisation for statutory or type approval such documentation shall be provided to the Project Manager.

- If the Specification is used in conjunction with a Contract under which the Contractor is responsible for the design of any part of the Permanent Works, the delegation of the roles and functions of the Overseeing Organisation as stated in paragraph 12 above shall be amended as follows:
 - (i) If any agreement, consent or approval required to be obtained from the Overseeing Organisation impacts on the health and safety of the general public, the environment or any property or equipment not owned or operated by the Contractor, such agreement, consent, approval shall be obtained from the Project Manager.
 - (ii) Where the Specification provides for the Overseeing Department to require a test, waive the requirement for a test or alter testing frequency, the party to whom the Overseeing Organisation's roles and functions have been ascribed by paragraph 12 above shall exercise such decisions in accordance with the Secretary of State's requirements stated in the Contract Construction Requirements.

Avoid creating neighbourhood nuisance, noise levels to be kept to suitable threshold levels in accordance with BS 5228-1:2009+A1:2014, Code of practice for noise and vibration control on construction and open sites – Part 1: Noise. In particular Table E.1 reproduced below

Table E.1 Example threshold of $L_{Aeq,T}$ potential significant effect at dwellings

Assessment category and threshold value period	Threshold value, in decibels (dB) $L_{Aeq,T}$		
	Category A ^{A)}	Category B ^{B)}	Category C ^{C)}
Night-time (23.00–07.00)	45	50	55
Evenings and weekends ^{D)}	55	60	65
Daytime (07.00–19.00) and Saturdays (07.00–13.00)	65	70	75

NOTE 1 A potential significant effect is indicated if the $L_{Aeq,T}$ noise level arising from the site exceeds the threshold level for the category appropriate to the ambient noise level.

NOTE 2 If the ambient noise level exceeds the Category C threshold values given in the table (i.e. the ambient noise level is higher than the above values), then a potential significant effect is indicated if the total $L_{Aeq,T}$ noise level for the period increases by more than 3 dB due to site noise.

NOTE 3 Applied to residential receptors only.

^{A)} Category A: threshold values to use when ambient noise levels (when rounded to the nearest 5 dB) are less than these values.

^{B)} Category B: threshold values to use when ambient noise levels (when rounded to the nearest 5 dB) are the same as category A values.

^{C)} Category C: threshold values to use when ambient noise levels (when rounded to the nearest 5 dB) are higher than category A values.

^{D)} 19.00–23.00 weekdays, 13.00–23.00 Saturdays and 07.00–23.00 Sundays.

WSP UK Limited

Merthyr Tydfil County Borough Council

Former Apartment Building, Crescent Street - Demolition

TCBT-WSP-XX-XX-SP-S-0001

Demolition Specification

Suitable for Tender

T01

02-11-2023

Contents

C20 Demolition.....	1
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C20

Demolition

General requirements

110 Desk study/ survey

1. **Scope:** Before starting deconstruction/ demolition work, examine available information, and carry out a survey of:
 - 1.1. the structure or structures to be deconstructed/ demolished,
 - 1.2. the site on which the structure or structures stand, and
 - 1.3. the surrounding area.
2. **Report and method statements:** Submit, describing:
 - 2.1. Form, condition and details of the structure or structures, the site, and the surrounding area.
 - 2.1.1. **Extent:** As drawing TCBT-WSP-XX-XX-DR-S-0002 Site Boundary Plan
 - 2.2. Type, location and condition of features of historical, archaeological, geological or ecological importance.
 - 2.3. Type, location and condition of adjoining or surrounding premises that might be adversely affected by removal of the structure or structures, or by noise, vibration and/ or dust generated during deconstruction/ demolition.
 - 2.4. Identity and location of services above and below ground, including those required for the Contractor's use, and arrangements for their disconnection and removal.
 - 2.5. Form and location of flammable, toxic or hazardous materials, including lead-based paint, and proposed methods for their removal and disposal.
 - 2.6. Form and location of materials identified for reuse or recycling, and proposed methods for removal and temporary storage.
 - 2.7. Proposed programme of work, including sequence and methods of deconstruction/ demolition.
 - 2.8. Details of specific pre-weakening required.
 - 2.9. Arrangements for protection of personnel and the general public, including exclusion of unauthorized persons.
 - 2.10. Arrangements for control of site transport and traffic.

120 Extent of deconstruction/ demolition

1. **General:** Subject to retention requirements specified elsewhere, deconstruct/ demolish structures down to foundation level: Break up and dig out foundations.

130 Groundworks

1. **Old foundations, slabs and the like:** Break out in locations and to the extents stated.
2. **Contaminated material:** Remove, and carry out remediation required by the Enforcing Authority.

140 Bench marks

1. **Unrecorded bench marks and other survey information:** Give notice when found. Do not remove marks or destroy the fabric on which they are found.

150 Features to be retained

1. **General:** Keep in place and protect the following: Trees noted on drawings; protect in accordance with BS 5837, Gates and fencing to site entrance, and any live drainage.

Services affected by deconstruction/ demolition

210 Services regulations

1. **Work carried out to or affecting new and/ or existing services:** Carry out in accordance with the byelaws and/ or regulations of the relevant Statutory Authority.

220 Location of services

1. **Services affected by deconstruction/ demolition work:** Locate and mark positions.
2. **Mains services marking:** Arrange with the appropriate authorities for services to be located and marked.
 - 2.1. **Marking standard:** In accordance with National Joint Utilities Group 'Guidelines on the positioning and colour coding of underground utilities' apparatus'.

231 Services disconnection arranged by employer

1. **General:** The Employer will arrange with the appropriate authorities for disconnection of services and removal of fittings and equipment owned by those authorities prior to deconstruction/ demolition, as follows: All service disconnections have been undertaken prior to demolition works tender, see appendix G of works information.
2. **Timing:** Do not start deconstruction/ demolition until disconnections are completed.

240 Disconnection of drains

1. **General:** Locate, disconnect and seal disused foul and surface water drains as shown on drawings.
2. **Sealing:** Permanent, and within the site.

250 Live foul and surface water drains

1. **Drains and associated manholes, inspection chambers, gullies, vent pipes and fittings**
 - 1.1. Protect; maintain normal flow during deconstruction/ demolition.
 - 1.2. Make good any damage arising from deconstruction/ demolition work.
 - 1.3. Leave clean and in working order at completion of deconstruction/ demolition work.

270 Services to be retained

1. **Damage to services:** Give notice, and notify relevant service authorities and/ or owner/ occupier regarding damage arising from deconstruction/ demolition.
2. **Repairs to services:** Complete as directed, and to the satisfaction of the service authority or owner.

Deconstruction/ demolition work

310 Workmanship

1. **Standard:** Demolish structures in accordance with BS 6187.
2. **Operatives**
 - 2.1. Appropriately skilled and experienced for the type of work.

- 2.2. Holding, or in training to obtain, relevant CITB Certificates of Competence.
3. **Site staff responsible for supervision and control of work:** Experienced in the assessment of risks involved and methods of deconstruction/ demolition to be used.

320 Gas or vapour risks

1. **Precautions:** Prevent fire and/ or explosion caused by gas and/ or vapour from tanks, pipes, etc.

330 Dust control

1. **General:** Reduce airborne dust by periodically spraying deconstruction/ demolition works with an appropriate wetting agent. Keep public roadways and footpaths clear of mud and debris.
2. **Lead dust:** Submit method statement for control, containment and clean-up regimes.

340 Health hazards

1. **Precautions:** Protect site operatives and general public from hazards associated with vibration, dangerous fumes and dust arising during the course of the Works.

370 Partly demolished structures

1. **General:** Leave in a stable condition, with adequate temporary support at each stage to prevent risk of uncontrolled collapse. Make secure outside working hours.
2. **Temporary works:** Prevent overloading due to debris.
3. **Access:** Prevent access by unauthorized persons.

380 Dangerous openings

1. **General:** Provide guarding at all times, including outside of working hours. Illuminate during hours of darkness.
2. **Access:** Prevent access by unauthorized persons.

390 Asbestos-containing materials – known occurrences

1. **General:** Materials containing asbestos are known to be present in: See Demolition Asbestos Report in Appendix D.

391 Asbestos-containing materials – unknown occurrences

1. **Discovery:** Give notice immediately of suspected asbestos-containing materials when discovered during deconstruction/ demolition work. Avoid disturbing such materials.
2. **Removal:** Submit statutory risk assessments and details of proposed methods for safe removal.

410 Unforeseen hazards

1. **Discovery:** Give notice immediately when hazards such as unrecorded voids, tanks, chemicals, are discovered during deconstruction/ demolition.
2. **Removal:** Submit details of proposed methods for filling, removal, etc.

442 Site surface at completion

1. **Levels:** Grade the site to follow the levels of adjacent areas.
2. **Temporary surface:** Cover the site with 200 mm thick consolidated layer of 6F5 hardcore as per drawing.

450 Site condition at completion

1. **Debris:** Clear away and leave the site in a tidy condition.

Materials arising

510 Contractor's property

1. **Components and materials arising from the deconstruction/ demolition work:** Property of the Contractor except where otherwise provided.
2. **Action:** Remove from site as work proceeds where not to be reused or recycled for site use.

520 Recycled materials

1. **Materials arising from deconstruction/ demolition work:** To be removed from site.

Ω End of Section

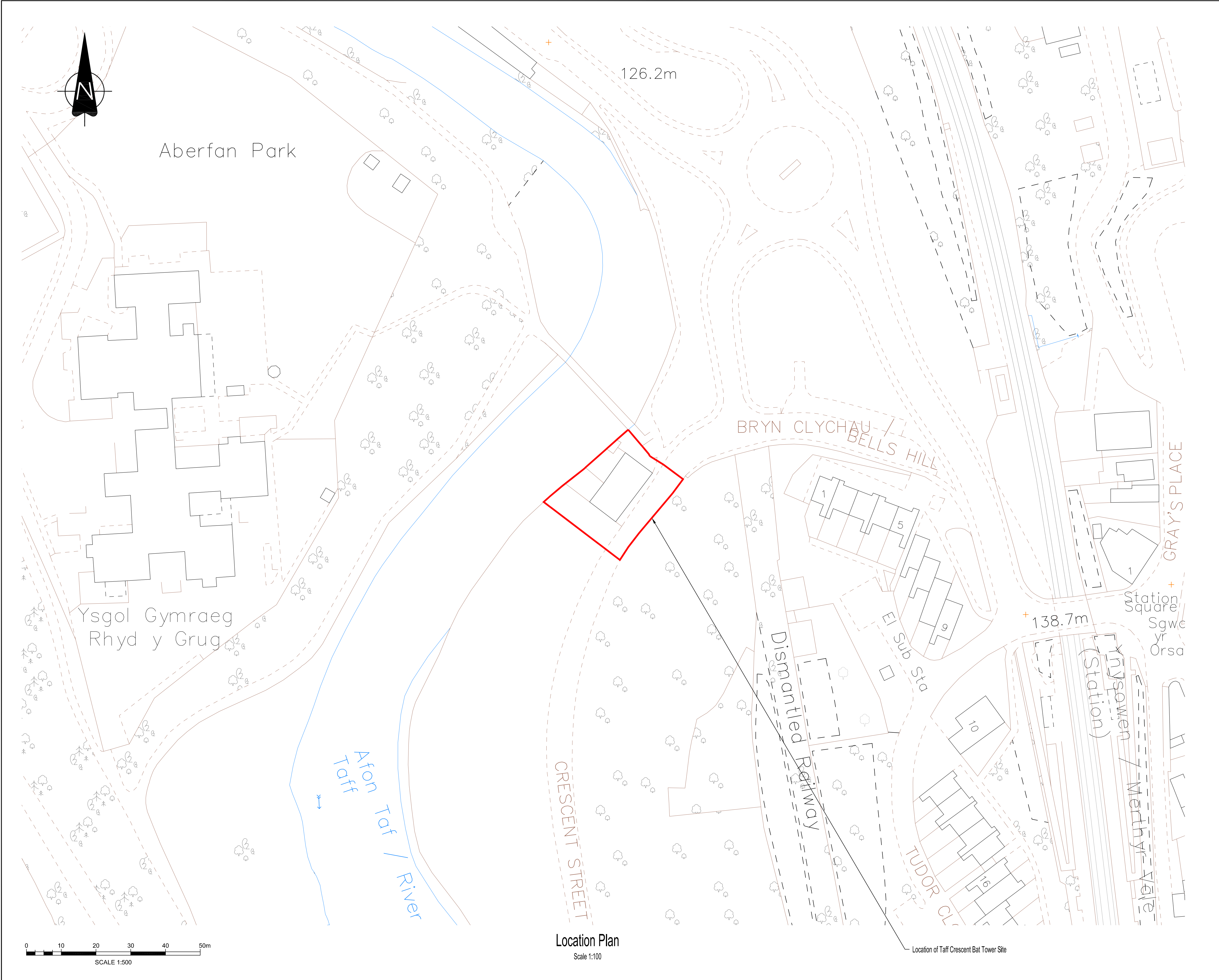


Specification created using NBS Chorus

APPENDIX B – DRAWINGS

Drawing No.	Drawing Name
TCBT-WSP-XX-XX-DR-S-000001	Location Plan
TCBT-WSP-XX-XX-DR-S-000002	Site Boundary Plan
TCBT-WSP-XX-XX-DR-S-000003	Site Wide Demolition Plan
TCBT-WSP-XX-XX-DR-S-000004	Temporary Hoarding Layout

File name: \CS\MP\MT\F01\VD\CS\ED\000376 TAFF CRESCENT BAT TOWER\03 DELIVERY\01 STRUCTURES\02 DRAWINGS\LOCATION PLAN.DWG, printed on 07 October 2022 16:45:07, by Morgans, Rhys (WSP)



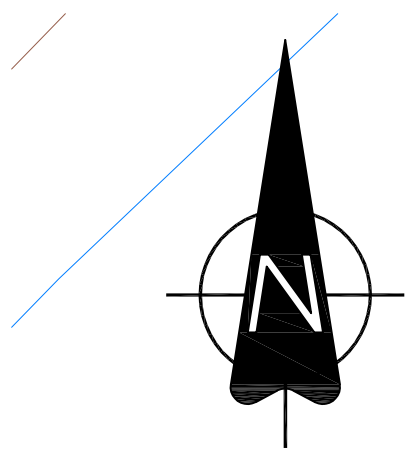
DO NOT SCALE

Notes

1. This structure is located at OS Grid Reference ST075996

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 1 Capital Quarter, Tyndall St, Cardiff, CF10 4BZ, UK T+ 44 (0) 292 076 9200 wsp.com							
CLIENT:							
SITE/PROJECT: Taff Crescent Bat Tower							
TITLE: Location Plan							
SCALE @ A1: 1:500		CHECKED: AB	APPROVED: AJH				
PROJECT NO: ED/000376		DESIGNED: RM	DRAWN: RM	DATE: October 22			
DRAWING No: TCBT-WSP-XX-XX-DR-S-0001					REV: T01		
© WSP UK Ltd							

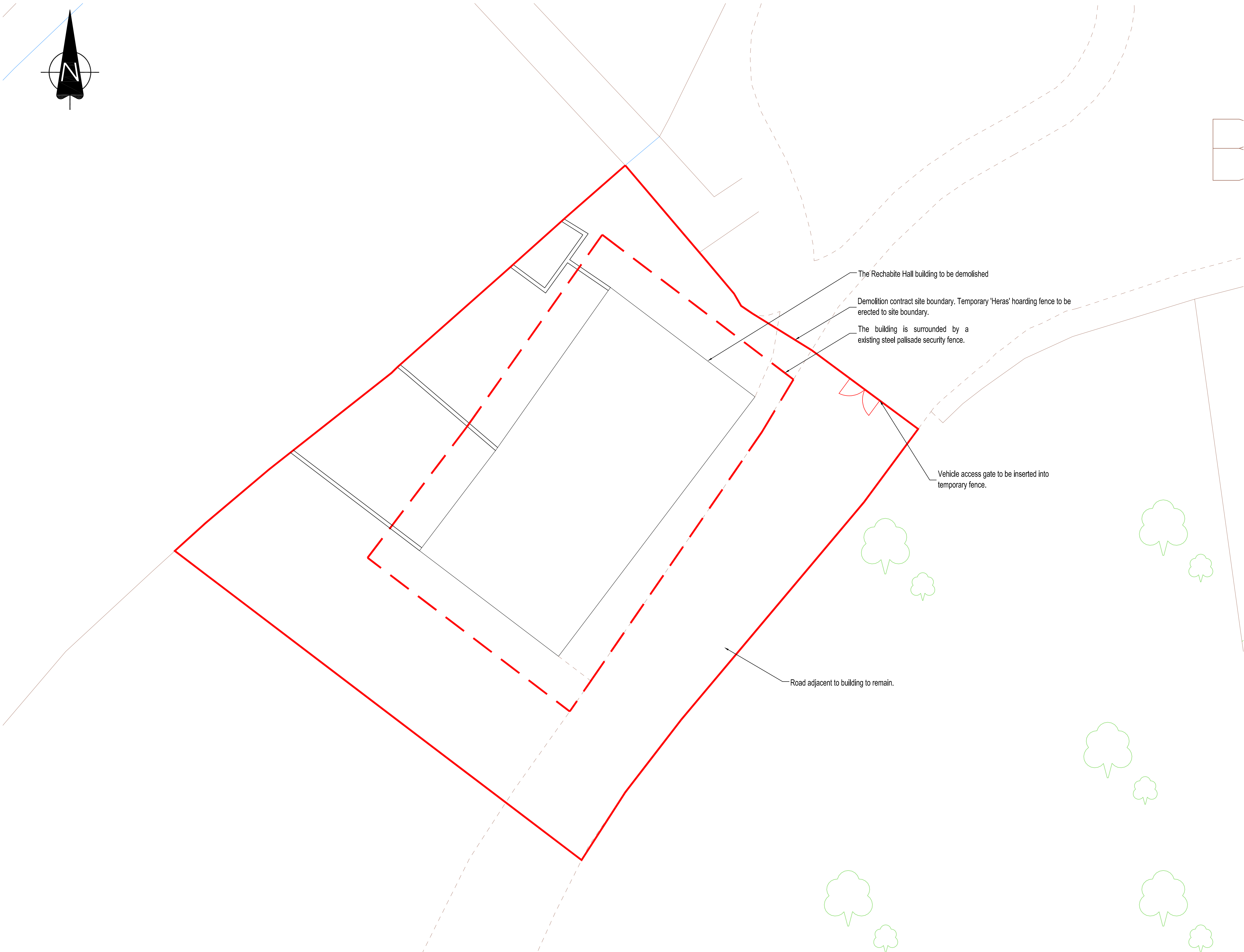
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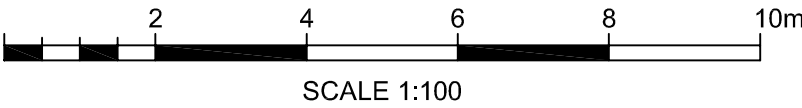
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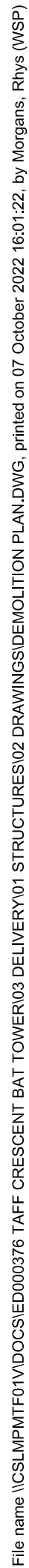
Key

- Steel palisade fence to be removed.
- Demolition contract site Boundary

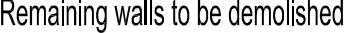
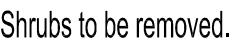
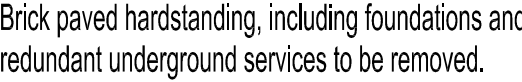


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CLIENT:		 Cynon Taf Merthyr Tydfil MERTHYR TYDFIL Cynon Taf Merthyr Tydfil County Borough Council			
SITE/PROJECT: Taff Crescent Bat Tower					
TITLE: Site Boundary Plan					
SCALE @ A1: As Shown		CHECKED: AB	APPROVED: AJH		
PROJECT NO: ED/000376		DESIGNED: RM	DRAWN: RM	DATE: October 22	
DRAWING No: TCBT-WSP-XX-XX-DR-S-0002					REV: T01
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Key



Notes

1. This structure is located at OS Grid Reference ST075996

The Rechabite hall building ground floor concrete slab, and any external ramps and steps are to be demolished and taken up as part of the demolition works, the concrete slab is to be crushed and used to re-grade the site to the proposed levels. All foundations are to be taken up and removed from site. All excavations are to be backfilled with compacted granular material, as specification on drawing, to provide a well graded site

All external brick paving and associated kerbs etc. within the site boundary are to be taken up and removed.

The building is surrounded by a steel palisade security fence, this is to be removed and disposed of at the end of the project.

The building is constructed adjacent to the River Taff. This building will need to carefully be demolished to ensure that no demolition debris enters the river and damage the river wall.

~~All external boundary walls to the rear of the building and within the site boundary are to be demolished and removed from site~~

All shrubs within the site boundary are to be removed from site

External stairs in this area to be removed

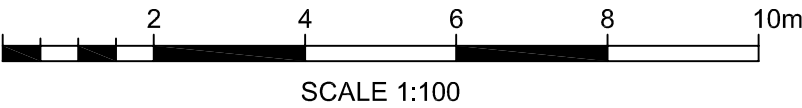
Road adjacent to building to remain.

All drainage on the site is considered to be redundant and to be removed as part of the demolition works, and backfilled with compacted granular material.

Contractor to allow for further investigation of drainage on the site. If any live drainage is identified, they are to be left in place. Any damage to live drainage runs are to be made good immediately.

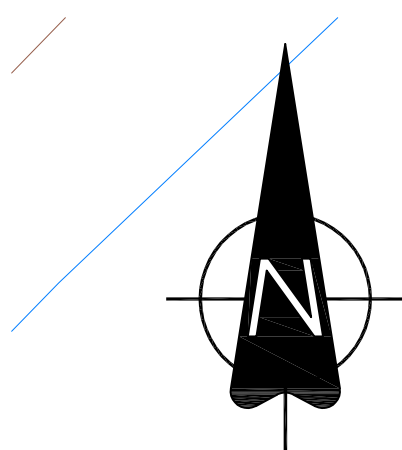
Plan Showing Proposed Demolition Works Demolition Plan

Scale 1:100



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CLIENT:		 Cymor Banneddol Sosial MERTHYR TYDFIL County Borough Council			
SITE/PROJECT:					
Taff Crescent Bat Tower					
TITLE:					
Site Wide Demolition Plan					
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As Shown		AB		AJH	
PROJECT NO:		DESIGNED:		DATE:	
ED/000376		RM		RM October 22	
DRAWING NO:					REV:
TCBT-XX-XX-DR-S-0003					T01
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File name: \CS\MP\TFF01\DOCS\ED000376 TAFF CRESCENT BAT TOWER\03 DELIVERY01 STRUCTURES\02 DRAWINGS\TEMPORARY HOARDING LAYOUT.DWG, printed on 07 October 2022 16:38:34, by Morgans, Rhys (WSP)



Temporary 'Heras' type site fencing to tie in to existing retaining wall adjacent to river.

Rechabite Hall

Temporary 'Heras' type site fencing to tie in to existing retaining wall.

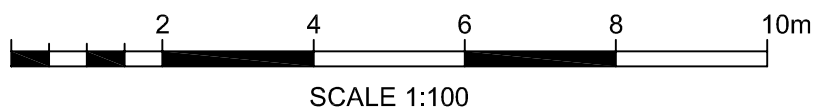
Line of temporary 'Heras' type site fencing.

Existing steel palisade security fence to be removed.

Vehicle access gate to be inserted into line of temporary 'Heras' type site fencing / hoarding.

Plan Showing Proposed Demolition Works Temorary Hoarding Layout

Scale 1:100



DO NOT SCALE

Notes

1. This structure is located at OS Grid Reference ST075996

Key

- Steel palisade fence to be removed.
- - - Line of temporary 'Heras' type site fencing / hoarding.
- Line of temporary 'Heras' type fencing / hoarding to tie in to existing retaining wall.

T01	05.10.2022	RM	ISSUED FOR TENDER	TE	AGB		
REV	DATE	BY	DESCRIPTION	CHK	APP		
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CLIENT:							
SITE/PROJECT: Taff Crescent Bat Tower							
TITLE: Temporary Hoarding Layout							
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PROJECT NO: ED/000376		DESIGNED: RM		DRAWN: RM			
DRAWING No: TCBT-WSP-XX-XX-DR-S-0004				DATE: October 22			
				REV: T01			
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**APPENDIX C – PRE-CONSTRUCTION INFORMATION AND CDM HAZARD
IDENTIFICATION SHEET**



Health & Safety

PRE-CONSTRUCTION INFORMATION

**DEMOLITION WORKS AT FORMER APARTMENT BUILDING,
CRESCENT STREET, MERTHYR VALE, CF68 4RW**

**Merthyr Tydfil Country
Borough Council**



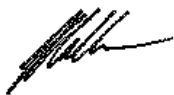
Cyngor Bwrdeistref Sirol
MERTHYR TUDFUL
MERTHYR TYDFIL
County Borough Council

September 2022

CONTENTS

- 1.0 Description of the Project
- 2.0 Client's considerations and management requirements
- 3.0 Environmental restrictions and existing on-site risks
- 4.0 Significant design and construction hazards
- 5.0 The Health and Safety File

Appendix 1 - CDM Hazard Identification Sheet

Prepared by:		Ting Pong Gabriel Wong	Date:	9 th of September 2022
Approved by:		Andrew Hallum	Date:	9 th of September 2022

WSP UK Ltd
First Floor, Quest House
St Mellons Business Park, Fortran Road
St Mellons, Cardiff
CF3 0EY

1.0 DESCRIPTION OF THE PROJECT

1.1 Nature of the construction work to be carried out

The project involves the demolition and site clearance at the Former Apartment Building, Crescent Street, Merthyr Vale, CF68 4RW. The demolition of the building will include all ground floor slabs, foundations, redundant drainage, redundant services, and external paving within the site where specified in the works information. The site is to be re-graded to suit the levels at the site perimeter where possible.

The former apartment building is a four-storey structure comprising brick / block masonry cavity walls, supporting a traditional pitched slated roof. Upper floors of precast concrete planks supported by the masonry walls. Steel beams and lintels supported the concrete floors over large openings.

All concrete hardstandings within the site boundary are to be taken up, crushed and used to re-profile the site levels. All redundant drainage is to be removed and suitable capped off at manholes.

The building is constructed adjacent to River Taff. This building will need to be carefully demolished to ensure that no demolition debris enters the river.

1.2 Location

Crescent Street,
Merthyr Vale,
CF68 4RW

1.3 Construction period

Site demolition and clearance works are anticipated to take approximately 60 days. It is anticipated will be carried out between October 2022 and TBC.

1.4 Minimum time for the Principal Contractor for planning and preparation for construction Work

The minimum time allowed for mobilisation will be six weeks inclusive of site set up.

1.5 Project team details**1.5.1 Client**

Merthyr Tydfil Country Borough Council	
Unit 5, Triangle Business Park Pentrebach, Merthyr Tydfil CF48 4TQ	Contact: Christopher Evans Tel: 07542 029545 E-mail: christopher.evans3@merthyr.gov.uk

1.5.2 Designers / Consultants

WSP UK Ltd	Project Manager
First Floor, Quest House St Mellons Business Park, Fortran Road, St Mellons, Cardiff CF3 0EY	Contact: Andrew Barugh Tel: 07827 981884 E-mail: andrew.barugh@wsp.com

1.5.3 Principal Designer

WSP UK Ltd	Principal Designer
First Floor, Quest House St Mellons Business Park, Fortran Road, St Mellons, Cardiff CF3 0EY	Contact: TBC Tel: TBC E-mail: TBC

1.5.4 Other Consultants

N/A	
	Contact: Tel. No: Email:

1.5.5 Principal Contractor

To be confirmed	Principal Contractor
The successful tendering contractor will also be the "Principal Contractor".	Contact: Tel. No: Email:

1.6 Application of Workplace Regulations

The planned works are for demolition of existing buildings, the Workplace (Health, Safety and Welfare) Regulations are not applicable.

1.7 Extent and location of existing records and plans

No record plans of the previous building are available at this stage. Please also refer to Appendix K of the works information for site photographs.

2.0 CLIENT'S CONSIDERATIONS AND MANAGEMENT REQUIREMENTS

2.1 Arrangements for health, safety and welfare

Client's brief

The client desires that there will be no accidents or RIDDOR incidents on the site and that the structures identified within the Works Information are removed so that the subsequent site is left in a clean and safe condition.

Arrangements for monitoring and review

The principal contractor will be expected to have auditable management systems in place on site to enable the client to verify the principal contractor's project specific arrangements for monitoring and reviewing site health and safety practices and procedures.

Communication and liaison between Client and others

The Principal Contractor shall inform the Principal Designer of additional design work and/or unforeseen eventualities necessitating changes to the demolition, which could affect the Pre-construction Information. Any changes required as a result of design changes must be discussed with the Principal Designer.

The Principal Designer must be made aware of health and safety implications of design packages prepared by the Principal Contractor and any other Contractors and all temporary works.

The Principal Contractor will also need to liaise with the Principal Designer on the requirements for the Health and Safety File (see section 5.0).

Security of the site

The demolition site must be "hoarded" off with suitable fencing, in accordance with the drawings found in appendix B of the works information, and access control provided during working hours. All visitors, sub-contractors and operatives must sign in and out.

Welfare provision

Welfare facilities are to be of a standard laid down in Schedule 2, Minimum welfare facilities required for construction sites of the '*Construction (Design and Management) Regulations 2015*' or better and the Principal Contractor is to satisfy itself that the facilities it is providing on site are proportionate to the number of people it is anticipated will be required to use the facilities.

These proposals must be set out in the Principal Contractor's initial Demolition Phase Plan.

2.2 Requirements relating to health and safety

The Principal Contractor must ensure that its Demolition Phase Plan contains details of how they will comply and manage the requirements of the CDM 2015 Regulations.

Site hoarding / fencing

Site hoardings / fencing must be to an acceptable standard and are classed as temporary works, consequently a regime of inspection and maintenance must be implemented by the Principal Contractor whilst it has possession of the site and details of its temporary works procedures and appointments included in its demolition phase plan.

Site transport arrangements/vehicle movement restrictions

Pedestrian and vehicular traffic on site must be separated and all reversing vehicles are to be accompanied by a banksman.

Client permit to work systems

The client has no specific requirements as to permits to work. However, the Principal Contractor is expected to implement its own permit systems.

Fire precautions

The Principal Contractor is expected to implement a fire action plan in line with recommendations outlined in HSG168, '*Fire safety in construction*', issued by the HSE and provide details in the demolition phase plan.

Emergency procedures and means of escape

The Principal Contractor must detail in their demolition phase plan all details covering emergency situations (medical and otherwise) that may arise on site. This must be easily understandable and given as a part of the site induction to all employees on site and any agency or subcontractors working on site.

No-go areas / authorisation requirements

Please note that the river Taf located to the West of the building is to be protected at all times during the demolition to avoid any demolition debris from entering the watercourse.

Confined spaces

There are no confined spaces identified on site.

Where confined space entry is necessary, only operatives who have had specific training in this aspect of working should be permitted to carry this out and safe method of working must be put in place which must include a rescue plan.

Smoking and parking restrictions

Smoking will not be permitted on any part of the site. Parking will not be allowed on the public highway adjacent to the site and the Principal Contractor is expected to manage this as a part of its site traffic management plan.

Other restrictions

Deliveries and collections of plant and demolition materials to and from the site must be guided in and out by a banksman. Consideration is to be given to a wheel wash facility being employed (if deemed necessary) at the exit point of the demolition site to prevent tracking of mud and debris onto the public highway. The contractor will be responsible for ensuring the cleanliness of the public highway(s) in the vicinity of its works.

3.0 ENVIRONMENTAL RESTRICTIONS AND EXISTING ON-SITE RISKS

3.1 Introduction

The nature and condition of the ground or existing structures cannot always be fully ascertained before they are opened up. As such, the hazards referred to in this section of the Plan are either known to be present or are suspected / assumed to be present.

Where this information is included in the tender documentation the Client does not guarantee the accuracy and sufficiency of this information. The Principal Contractor must ascertain for itself any further information it may require to ensure the safety of all persons affected by the works.

3.2 Safety risks

Boundaries and access, including temporary access

All accessible boundaries will need to be adequately segregated with suitable security to prevent any unauthorised access prior to commencement of and during demolition works on site.

Restrictions on deliveries / waste collection / storage

Working times around these operations are governed by the conditions imposed by the local authority and must be adhered to.

Adjacent land uses

No use of adjacent land is anticipated as part of the demolition works.

Existing storage of hazardous materials

There are no known hazardous materials stored on this part of the site.

Location of existing services

Where utility service drawings have been obtained from the service providers they are included within the tender package Appendix G.

It must be noted that where utility companies provide drawings for their supply routes these will only show a supply up to a point where it enters the boundary of a site, anything beyond that is deemed to be 'private supply' and consequently not shown. The only exception to this is where a service run passes through a site on a way leave agreement (the delineation will be shown in the agreement). Isolation certificates will be required for the gas, water and electricity supplies to the sites. An 'as built' drawing will be required to show where foul and storm drains have been retained, capped or diverted for the site.

Ground conditions, underground structures, water courses

There is no available information regarding the building foundation constructions. These are to be removed as part of the works according to the works information.

There is an existing water course / stream running adjacent to the boundary of the site. This is to be protected from all demolition debris during the demolition period.

Existing structures

There is four storey apartment building on the site that is to be demolished as part of these works in accordance with the works information document. An Asbestos Survey has been completed for this building and is included in Appendix D of the works information.

Previous structural modifications

Not known.

Fire damage, ground shrinkage, movement or poor maintenance

Not known.

Difficulties relating to plant and equipment

None.

Historic information

None available.

Additional safety issues

Demolition / clearance works can create considerable amounts of dust and noise, suitable control and monitoring systems must be in place to reduce these impacts on the surrounding area, particularly given the location and close proximity of residential properties. A pre-demolition noise base level survey is to be completed to a suitable footprint and then used for monitoring purpose.

3.3 Health risks

Asbestos

An Asbestos Demolition Survey has been completed in August 2019 by Shield On-site Services at the former apartment building on Taff Crescent, Merthyr Vale, a copy of this is included within the tender documentation within Appendix D.

Existing storage of hazardous materials

There are no known hazardous materials stored on this part of the site.

Contaminated land, including results of surveys

Care must be taken to avoid contaminating the existing river running adjacent to the demolition works. Also contractor to review all recommendations outlined in the ecology reports contained in Appendix E of the works information.

Existing structures containing hazardous materials

No hazardous materials survey has been undertaken on the site.

Please refer to the Asbestos paragraph above and Asbestos Surveys included in Appendix D of the tender documentation.

Health risks arising from Client's activities

None applicable.

Additional health risks

There are no known additional health risks associated with the site, however, the Principal Contractor and his subcontractors are urged to treat any fly tipped or abandoned substances with caution. As the sites, have been vacant for some time there is a strong possibility of contamination from human or rodent activity. (Sharps & needles, Weils disease, pigeon/bird droppings etc.).

4.0 SIGNIFICANT DESIGN AND CONSTRUCTION HAZARDS

4.1 Significant design assumptions and suggested work methods, sequences or other control

The work methods to be adopted by the contractor have not been specified within the tender specification. The assumption is that the contractor will adopt 'best practice' in removing the buildings that involves minimal manual entry into the void properties and that any hazardous operations are managed by the operation of the contractor's own supervised 'permit to work' systems. Any demolition procedures are to comply with BS6187: 2011, Code of practice for full and partial demolition.

4.2 Arrangements for co-ordination of ongoing design work and handling design changes

Where any unusual conditions not generally expected during work of this nature are encountered the contractor must inform the parties listed at 1.5.1, 1.5.2 and 1.5.3 of this document for consultation before continuing the works.

4.3 Information on significant risks identified during design

There have been a number of risks identified during the pre-demolition enabling works planning process these are included within the below H&S risk register.

4.4 Materials requiring particular precautions

Other than asbestos, there have not been any other construction materials of an unusual or hazardous nature identified in this project liable to introduce significant risks.

5.0 THE HEALTH AND SAFETY FILE

Health and Safety Files are the means by which health and safety information is recorded and kept for future use. The Construction (Design and Management) Regulations 2015 suggest that the file must include adequate information about any aspect of the structure or materials used which might affect the health or safety of anyone carrying out construction or cleaning work or of anyone who may be affected by such work. However, as these works are for clearance / demolition of an existing structure the Health and Safety File should relate to the site having been cleared of any hazards and there should not be any significant residual risks. If there are, they must be recorded and retained by the Client for issue to anyone carrying out any further activities on site.

Detailed below is an example of what the HSE consider should be covered in The Health and Safety File, but as described earlier a modified version would be expected for these demolition works :-

- A brief description of the work carried out;
- Details of any residual hazards which remain and how they have been dealt with, e.g. asbestos surveys, contaminated land, basements left in situ etc.
- Details of the key structural principles and safe working loads for floors, roofs, etc.
- Identification of any hazardous materials used, e.g. special coatings which should not be burnt off, pesticides, etc.
- Information regarding the removal or dismantling of installed plant and equipment;
- Health and safety information about equipment provided for cleaning or maintaining the structure;
- Details relating to the nature, location and markings of significant services, including underground cables; gas supply equipment; fire-fighting services; etc.
- Information and as-built drawings of the structure, its plant and equipment, e.g. means of access to and from service voids; fire doors; compartmentalisation; etc.

The Principal Designer will liaise with the Principal Contractor and the design team throughout the project in order to establish the protocols for Health and Safety File information collation and compilation to ensure that suitable documentation is delivered to the client in the prescribed timescales.

Appendix 1 - CDM Hazard Identification Sheet

Project Description	Demolition at Former Apartment Building, Crescent Street, Merthyr Vale	Project Ref No	CS/000376	Stage	Tender
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Date of Latest Update	9 th of Sep, 2022	Prepared by	Mr. Ting Pong Gabriel Wong	Checked by	Mr. Andrew Hallum
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Location of other information provided in accordance with Regulation 11(6)	
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	FORSEEABLE HAZARD IDENTIFIED [That has potential to cause harm to those constructing, repairing / maintaining, cleaning, demolishing or using the structure]	HAZARD APPLIES DURING tick one or more of the following:					COMMENTS: Provide; - the actions taken by the designer to eliminate hazards or reduce risk, - the reasons why remaining hazards cannot be eliminated, - an explanation of the significance of the residual risk; - any special instructions (e.g. to include any pre-contract information)	Residual Risk still present? YES / NO
		Construction	Maintenance	Cleaning	In Use	Demolition		
1	Asbestos identification and removal	-	-	-	-	x	A "Asbestos Demolition Survey Report" was completed by Shield On-site Services and issued on the 5 th of August, 2019, this identifies asbestos containing materials within the buildings. Areas identified as containing assumed ACM's are noted in the report. The contractor is responsible for the appropriate removal of the asbestos to a suitable licensed facility. (Contractor's Risk Assessment and method statement to be submitted prior to any commencement of works).	YES (BUT REDUCED)
2	Potentially dangerous demolition / site clearance close to boundary walls, fences and river walls which are to remain.	-	-	-	-	x	Contractor to provide details of its intended method of work for comment prior to commencement of the demolition works. (Contractor's Risk Assessment and method statement required).	YES (BUT REDUCED)

3	Traffic Safety and Management.	-	-	-	-	x	Contractor is required to provide traffic safety and management where required for the full duration of the works. (Contractors Risk Assessment and method statement required). Segregation of plant from work force, and particularly any members of the public, to be implemented wherever reasonably practicable.	NO
4	Pedestrian Management	-	-	-	-	x	The Contractor will be responsible for the provision of pedestrian management provisions during the demolition works. All pedestrian management arrangements are to be submitted for comment prior to undertaking the Works. Signs must be provided as part of the construction phase to safely direct pedestrians away from and/or around the works. (Contractors Risk Assessment and Method Statement required).	NO
5	Dust	-	-	-	-	x	The Contractor is to ensure that dust levels (or other airborne contamination) are kept to a minimum during the works. Operatives and local residents / pedestrians are not to be exposed to dust and all equipment is to be provided to keep dust levels etc. to a minimum. (Contractors Risk Assessment and method statement required).	NO
6	Site Security	-	-	-	-	x	The Contractor will be required to ensure that the site is in a secure condition throughout the construction phase of the works. Temporary security hoarding / fencing is to be erected to keep site secure. (Contractors Risk Assessment and method statement required).	NO
7	Noise Control	-	-	-	-	x	Suitable noise control and monitoring systems must be in place to reduce the impact of noise on the surrounding area, particularly given the proximity of residential properties. (Contractors Risk Assessment and method statement required).	NO
8	Mechanical Vibration	-	-	-	-	x	All precautions are to be in force to prevent operatives being subject to mechanical vibration from drills and demolition tools. Vibration shall be addressed as part of the Contractors Method Statement submissions. (Contractors Risk Assessment and method statement required).	NO

9	Handling demolition arisings	-	-	-	-	x	All operatives are to be trained in the handling of demolition arisings. Ground information is limited on the site. Suitable procedures must be in place by the contractor for the recognition of contaminated materials should any be found during the demolition works. The Contractor is to provide all necessary protective equipment to ensure safe execution of the Works. Where demolition arisings are to remain on site for earthworks, contractor is to ensure that the demolition arisings are free of, broken glass, steel reinforcement and the like.	NO
10	Falling objects	-	-	-	-	x	The Contractor is to be aware of the potential for injuries to occur as a result of materials falling on site. All head protection and safety equipment required for safe execution of the work is to be provided by the contractor to all of his operatives engaged in carrying out the works.	YES (BUT REDUCED)
11	Protective clothing and equipment	-	-	-	-	x	The Contractor is to ensure that all necessary protective clothing and equipment is provided as free issue to all operatives engaged in work on the site. Such equipment as hard hats and reflective clothing, safety boots, safety glasses and gloves are to be issued as a minimum, as and when required. (Contractors Risk Assessment and method statement required).	NO
12	Loading and deliveries	-	-	-	-	x	The Contractor is required to outline the proposals for material loading and deliveries. A Banks-man is to be provided to assist with all material loading and deliveries as required.	NO
13	Instability of partially demolished structures	-	-	-	-	x	Contractor to provide details of his intended method of work for approval prior to commencement of the demolition works. (Contractors Risk Assessment and method statement required).	YES (BUT REDUCED)
14	Hitting Underground/ Overhead Services	-	-	-	-	x	All available Statutory Undertakers information will be provided to Contractor. Locations of services are to be determined on site, by the Contractor, prior to commencement of works. Services which are to remain (as shown on the drawings) are to be adequately protected by the Contractor during the works.	YES (BUT REDUCED)

15	Legionella in water services within unused systems.					x	Suitable procedures to be used when emptying water systems that have laid dormant for long periods of time.	YES (BUT REDUCED)
16	Potential for sharps and needles on site.					x	The site has been vacant / derelict for some time. The potential that some contamination from human drug taking activity, such as sharps and needles on site therefore exists. Suitable PPE should be worn, and all sharps and needles must be appropriately removed if identified.	YES
17	Proximity of works to adjacent Stream					x	The site is located adjacent to a river. Barriers to be placed along river to avoid any falls etc. during works. Contractor to also protect the stream from potential contamination from the demolition works.	YES (BUT REDUCED)
18	Increased risk / presence of rats					x	The site has been vacant for some time and is in close proximity to a river / water course. This increases the potential for the presence of rats on the site. This could result in the potential for contracting Weil's disease. Contractor to provide suitable welfare facilities with power and water on site.	YES
19	Bats roosting within the roof of the buildings					x	It is known that there are bats roosting within the roof of the building. A preliminary roost assessment (PRA) for bats and nesting birds has also been provided by Wildwood Ecology, dated July 2019. Contractor is to ensure that the works are carried out in strict accordance with the recommendations in this report and any relevant legislation.	YES

NOTE: those residual hazards / risks that are not likely to be apparent to a competent contractor / cleaner / maintainer / user / demolisher of the structure must be included in the pre-contract information.

APPENDIX D – DEMOLITION ASBESTOS SURVEY REPORT

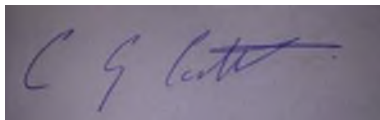
Asbestos Demolition Survey
At
Flat 1 Rechabite Hall Crescent Street,
Merthyr Vale, CF48 4RH



Contact: Chris Jones
Customer: Merthyr Council
Project No: S19-01376

Issue Number: 1
Survey Start Date: 16 July 2019
Report Issue Date: 05 August 2019

Survey Carried Out and Authorised By:



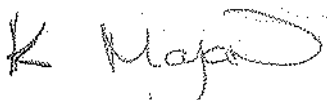
Carl Corbett, Lead Surveyor

Assisted By:



David Gibson, Second Surveyor

Report Reviewed By:



Kirsty Morgan, Report Administrator

Site: Flat 1 Rechabite Hall Crescent Street, Merthyr Vale, CF48 4RH

Report Contents

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3.1	Site Plans and Recording Sample Location
3.2	General Site Information
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3.5	Variations / Deviations From Methods and Agreed Exclusions
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Appendix	Description
Appendix 1	Certificates of Analysis
Appendix 2	Site Plans – 1 Page(s)

1.0 Executive Summary

The survey was carried out at Flat 1 Rechabite Hall Crescent Street, Merthry Vale, CF48 4RH as agreed.

The following buildings were inspected:

Flat 1 Rechabite Hall Crescent Street

The scope of inspection in these areas included: Demolition Survey

For further details regarding the scope of inspection see Sections 1.2, 1.3 and Appendix 2 (Plans) of this report and the detailed Pre-Survey Planning Questionnaire within the Survey Plan.

Where specified areas were inspected, these are detailed in the test report pages and illustrated by the highlighted survey layout drawings.

Shield On-Site Services (Asbestos) (SOSS (Asbestos)) endeavours to gather information from the "Duty Holder" to provide site specific information prior to commencement of the survey, this includes:

- Description of property
- Number of buildings
- Approximate building age (pre 1974) (1974 – 1999) (post 1999)
- Site plans (hard copy) (electronic)
- Health and Safety hazards (included in risk assessment)
- Details of previous asbestos works

This information is held in the "Pre-Survey Planning Questionnaire" within the "Survey Plan" and should be referred to in conjunction with this report.

The Survey Plan, which was issued prior to the agreed work, Reference would be S19-01376.

The Total Scores were calculated by an addition of the Material Assessment Scores and the Priority Assessment Scores from the Lead Surveyor without input from the Duty Holder.

The Duty Holder has the ultimate responsibility to check and make sure that the estimates of the Priority Assessment Scores are correct, as he/she has a more detailed knowledge of the site (see section 3.6)(Priority Assessment Scoring is outside the scope of UKAS accreditation where this is without input of the Duty Holder)

Upon completion of the survey and analysis of samples, the survey revealed the presence of 1 asbestos containing materials (ACMs) on site, the details of which can be seen in the results tables below.