Appendix - 1

SITE
&
WORKS INFORMATION

Supplying the South West Portal Ref: DN437379

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North Somerset COUNCIL




SITE INFORMATION

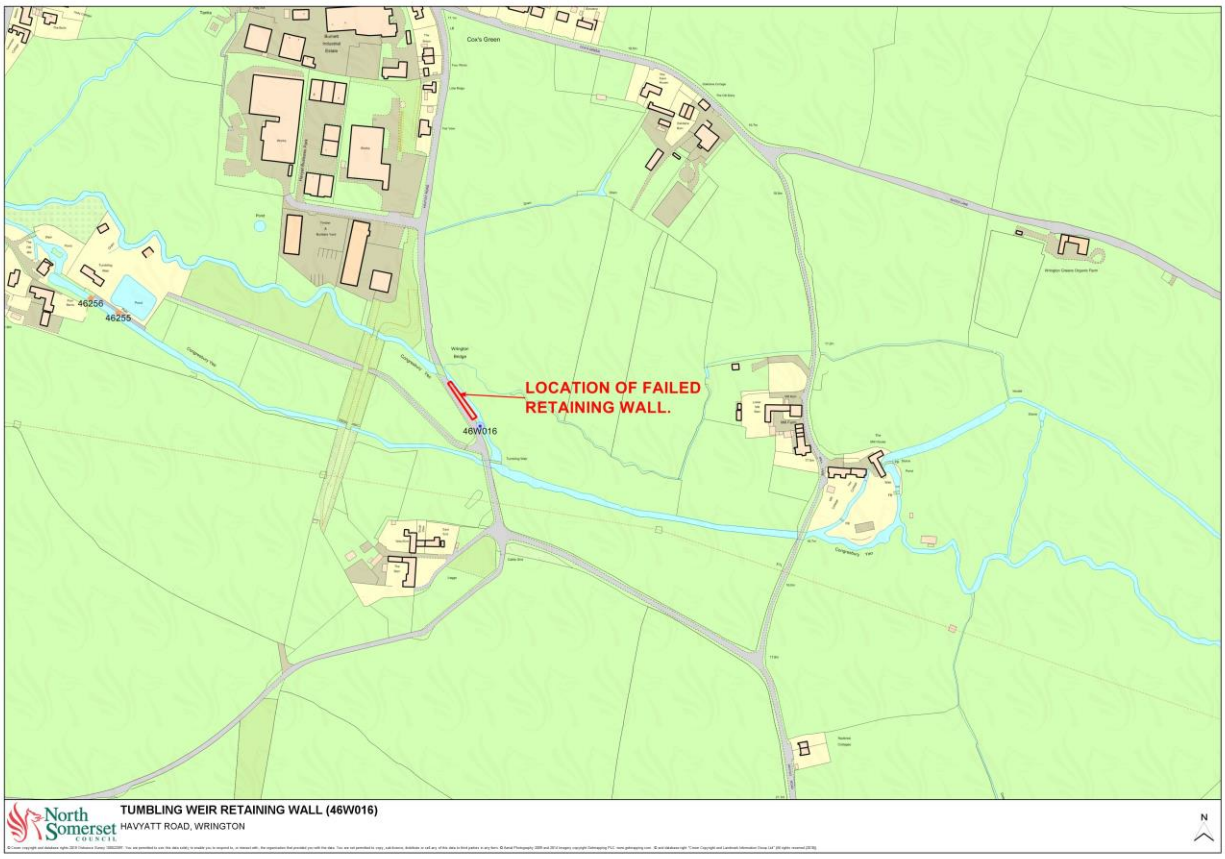
1. Description of Works:

1.1. Project Brief: The Council wishes to tender a contract for the below works:

1.1.1 Deconstruct and Rebuilding the Tumbling Weir Retaining wall of 10m length X 3.5m height on Havyat Road, Wrington, North Somerset, as marked in the below proposed works site location.

1.1.2 Deconstruct and Rebuilding the Spring Lane Retaining wall of 4.6m length X up to 1.5m height on Spring Lane Road, Dundry, North Somerset.

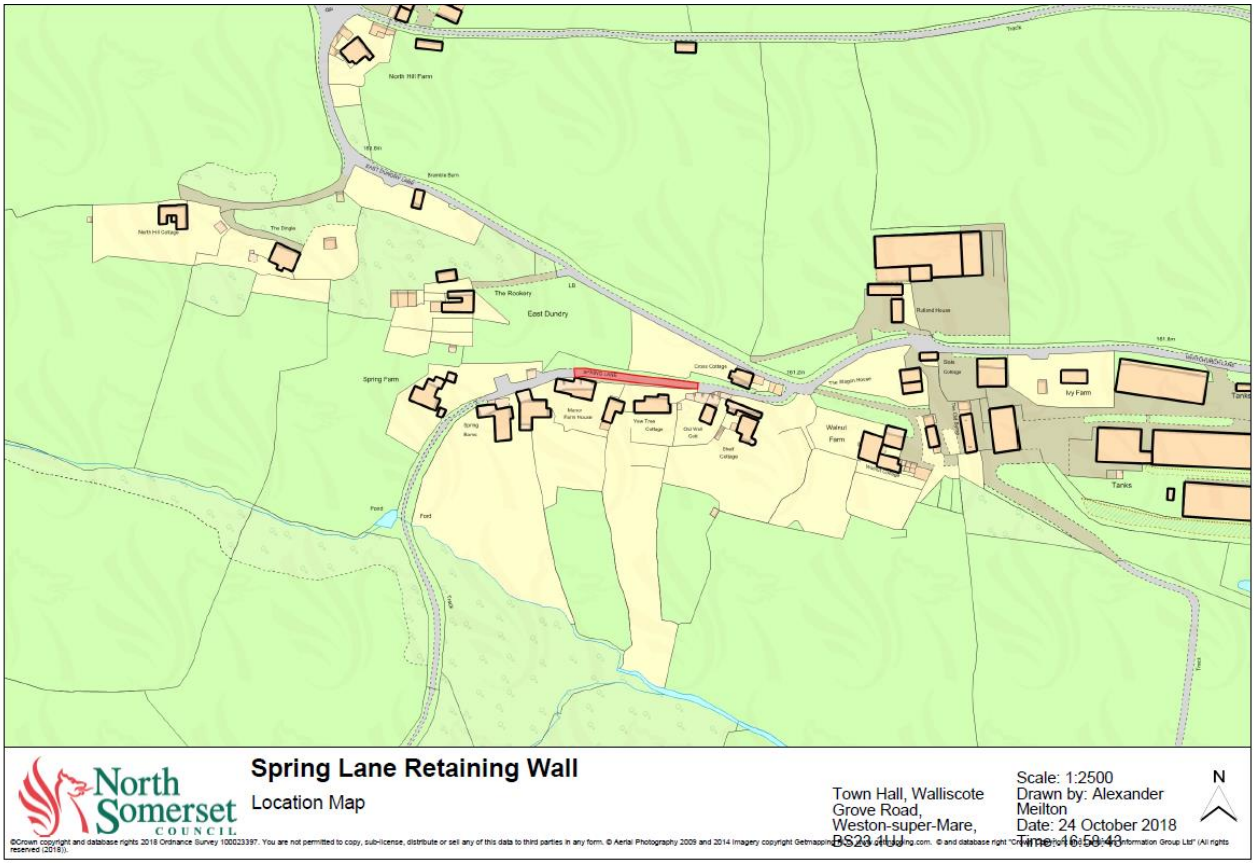
Location Plans:



Location plan showing the exact location and extent of proposed works marked in RED to the existing Tumbling Weir Retaining wall on Havyat Road, Wrington, North Somerset.

The site is located at the Ordnance Survey Map, Grid Reference: ST 47196187.

Easting:347195, Northing:161870



Location plan showing the exact location of the proposed works marked in RED, Spring Lane South Retaining wall on Spring Lane Road, Dundry, North Somerset.

The site is located at the Ordnance Survey Map, Grid Reference: ST 57476621.

Easting:357473, Northing:166213.

2. Existing Site Description:

2.1. ***Tumbling Weir Retaining Wall:*** Tumbling Weir Wall is situated south of Wrington, towards Havyat Green, date of construction is unknown. The structure comprises a random rubble uncoursed stone masonry wall and parapet with stone coping slabs; the northern section of the parapet consists of pillars connected by 2No. horizontal tubular steel rails per bay. The wall is supported at the southern end by 3No. buttresses.

The existing Tumbling weir retaining wall, probably built as part of Havyat Road, to retain the existing carriageway against the Congresbury Yeo (Tumbling Weir).

The Congresbury Yeo (Tumbling Weir) watercourse, is owned and maintained by the Environmental Agency (EA).

During our inspection of Highway Structures in the beginning of 2018, our highway inspector found a section of the existing retaining wall is failed against the bending, and in need of some structural strengthening works, to stabilise the wall to support the existing carriageway. Due to the structural failure of the wall, some of the sub surface material in the carriageway was also washed away and a dip of around 30mm appeared on the edge of the carriageway right behind the existing retaining wall.

Further to above, as a precautionary measure to avoid any disproportionate collapse of the existing highway retaining wall, North Somerset Council's structural engineer took a decision to install a temporary traffic lights, to control the traffic and allow only on single lane, away from the retaining wall location. This will also help to avoid the heavy vehicles passing near to the current substandard retaining structure.

There is an industrial estate near to this site location i.e. Havyat Business Park in Cox's Green (north of Havyat Road), which needs an uninterrupted access.

All the existing services search return are summarised and indicated in the attached file within this procurement documents.

The site can be accessed from Havyatt Road. Drawing No.: 46W016/NSC/C/2018/101 shows the proposed access route to the site for construction traffic. The Contractor is responsible for finalising an appropriate access route and obtaining the relevant consents from any private land owners.

Drawing No.: 46W016/NSC/C/2018/101 shows the proposed site extents for the structure. The proposed site incorporates land to the east of the highway which is privately owned farmland. The Contractor is responsible for finalising the final site extents and obtaining the relevant consents from any private land owners.

The wall is situated adjacent to the Congresbury Yeo river and the lower section of the wall sits below the waterline. The river is classed as main river and as such is managed by the Environment Agency.

The highway and structure to be repaired is owned by North Somerset Council. The land adjacent to the highway and abutting the structure (including the river) to the east is privately owned farm land.

Nearest Post Code: BS40 5QY

2.2 *Spring Lane Retaining Wall:* The site is situated on Spring Lane, Dundry.

Retains the Spring Lane for approximately 65m. The site can be accessed from Spring Lane. Drawing No.: 56W026/NSC/C/2018/101 shows the proposed access route to the site for construction traffic.

The Contractor is responsible for finalising an appropriate access route and obtaining the relevant consents from any private land owners.

Drawing No.: 56W026/NSC/C/2018/101 shows the proposed site extents for the structure. The proposed site incorporates land to the south of the highway which is privately owned land associated with Yew Tree Cottage.

The Contractor is responsible for finalising the final site extents and obtaining the relevant consents from any private land owners.

The wall is situated adjacent to the gardens of Yew Tree Cottage.

The highway and structure to be repaired is owned by North Somerset Council. The land adjacent to the highway and abutting the structure to the south is privately owned.

Nearest Post Code: BS41 8NT

WORKS INFORMATION

I. *Tumbling Weir Retaining Wall*

Description of the *Works:* The purpose of the works is the replacement of a 10m long and 3.5m high section of Tumbling Weir retaining wall.

The works are envisaged to include the following activities:

1. Clear the site including any vegetation.
2. Establish site compound, site boundary and access route to the site for the delivery of material and equipment, including installing any additional traffic management required.
3. Set up river diversion including any pumping if required.
4. Remove existing masonry parapet wall and place in storage for re-use.
5. Remove road surfacing from area to be excavated.

It is proposed that the works to replace the wall are carried out in 4 stages carrying out the replacement of a 2.5m length at a time:

6. Install sheet pilling or similarly approved temporary works ground/soil support system to support the existing carriageway to retain the back face of the excavation.
7. Excavate back fill from existing retaining wall up to the sheet pilling or temporary support.
8. Demolish existing retaining wall as back fill is removed.
9. Install reinforcement and formwork for foundation slab and pour concrete.
10. Lay blockwork for first lift of wall, install reinforcement and pour concrete, including installing weep holes.
11. Lay fill behind first lift of wall, including installation of drainage layer, compact the back fill in layers as it is laid.
12. Install second and third lift of wall as described in steps 10 and 11.
13. Remove sheet piling or temporary ground support system.

Steps 6-13 should be repeated for each 2.5m length of wall

14. Construct stone facing using material from the demolished section of wall.
15. Reconstruct masonry parapet.
16. Lay new road surfacing including topsoil for the verge.
17. Remove river diversion and reinstate river.
18. Decommission site compound.
19. Remove traffic management.

II. *Spring Lane Retaining Wall*

Description of the *Works:* The purpose of the works is the replacement of a 4.6m long and up to 1.5m height section of Spring Lane retaining wall.

The works are envisaged to include the following activities:

1. Clear the site including any vegetation.
2. Establish site compound, site boundary and access route to the site for the delivery of material and equipment, including installing any traffic management required.
3. Remove existing masonry parapet wall and place in storage for re-use.
4. Remove any road surfacing from area to be excavated.

It is proposed that the works to replace the wall are carried out in 2 stages carrying out the replacement of a 2.3m length at a time:

5. Install sheet pilling or similarly approved temporary works ground/soil support system to retain the back face of the excavation.
6. Excavate back fill from existing retaining wall up to the sheet pilling or similarly approved temporary works ground/soil support system.
7. Demolish existing retaining wall as back fill is removed.
8. Install reinforcement and formwork for foundation slab and pour concrete.
9. Lay blockwork for first lift of wall, install reinforcement and pour concrete, including installing weep holes.
10. Lay fill behind first lift of wall, including installation of drainage layer, compact the back fill in layers as it is laid.
11. Install second and third lift of wall as described in steps 10 and 11.
12. Remove sheet piling or similarly approved temporary works ground/soil support system.

Steps 6-13 should be repeated for the second 2.3m length of wall

13. Construct stone facing using material from the demolished section of wall.
14. Reconstruct masonry parapet.
15. Lay new road surfacing including topsoil for the verge.
16. Decommission site compound.
17. Remove any traffic management.

All Details and Specifications are marked on Drawing Numbers listed below. These drawings also form part of the Site & Works information, *Specification*:

Tumbling Weir Retaining Wall:

1. Existing Tumbling Weir Retaining Wall Location Map.
2. Drawing Number: 46W016/NSC/C/2018/101 Rev.01; Proposed Site Access Arrangements.
3. Drawing Number: 46W016/NSC/C/2018/102 Rev.01; Proposed Construction Sequence.
4. Drawing Number: 46W016/NSC/C/2018/103 Rev.01; Proposed wall General Arrangement.
5. Drawing Number: 46W016/NSC/C/2018/104 Rev.01; Sections Through New Retaining wall.
6. Drawing Number: 46W016/NSC/C/2018/105 Rev.01; New Retaining Wall Reinforcement Details.
7. Drawing Number: 46W016/NSC/C/2018/106 Rev.01; Trial Hole Locations.
8. Drawing Number: 46W016/NSC/C/2018/107 Rev.01; Profile of Existing Retaining wall.

Spring Lane Retaining Wall:

1. Existing Spring Lane Retaining Wall Location Map.
2. Drawing Number: 56W026/NSC/C/2018/101, Rev.01; Proposed Site Access Arrangements.
3. Drawing Number: 56W026/NSC/C/2018/102, Rev.01; Proposed Construction Sequence.
4. Drawing Number: 56W026/NSC/C/2018/103, Rev.01; General Arrangement.
5. Drawing Number: 56W026/NSC/C/2018/104, Rev.01; Sections Through New Retaining wall.
6. Drawing Number: 56W026/NSC/C/2018/105, Rev.01; New Retaining Wall, Reinforcement Details.
7. Drawing Number: 56W026/NSC/C/2018/106, Rev.01; Trial Hole Locations.
8. Extent of Spring Lane Retaining Wall with existing Gas pipe location in the wall.

3. General Constraints on How the Contractor Provides the Works:

3.1 Use of the site:

Tumbling Weir Retaining Wall:

- All reasonable safety measures are to be complied with by the *Contractor* (relevant PPE etc.)
- The requirements of the statutory undertakers are to be complied with.
- No contamination of the nearby land is permitted.
- All authorised visitors are to make themselves known to the *Contractor* and must be given a site induction.
- All visitors and site operatives shall wear appropriate PPE at all times whilst on site.
- The site including the compound and any storage area(s) are to be kept secure at all times, particularly at night when pedestrians may gain access. Access is to be prevented to members of the public especially children who may find the site appealing to enter.
- Weather is to be monitored.
- Emergency contact numbers are to be given to all relevant authorities during the construction stage(s) and shall be clearly displayed on Site. The information displayed on Site shall include the *Contractor*'s company name, office location, office telephone number and emergency contact number.
- All works areas shall be adequately barriered or fenced off to prevent pedestrians and vehicles entering the *works* areas.
- No work shall begin until the relevant permits have been obtained from the Environment Agency.

Surrounding Land Use:

The site is located on Havyatt Road, a Class C Highway. The highway is owned by North Somerset Council.

The land adjacent to the highway to the east, including the land on which the adjacent river is situated is privately owned farmland.

The *Contractor* is responsible for arranging any access required from private land owners.

Congresbury Yeo, running adjacent to the structure is classified as a main river. The river will need to be diverted in order to carry out the proposed works A bespoke permit will be required from the Environment Agency in order to divert the river and carry out the works.

Havyatt Road Trading Estate and Burnett Industrial Estate are located to the north of the site location on Havyatt Road. The main access route for both estates runs along Havyatt Road at the top of the retaining wall, generating a significant amount of HGV traffic running past the site.

To the north the retaining wall abuts the wing wall of Wrington Bridge (structure no. 46028), a reinforced concrete arch structure. To the south the retaining wall abuts the wing wall of Tumbling Weir Bridge (structure no. 46016), a reinforced concrete culvert.

The section of retaining wall to be replaced has suffered from a shear failure, caused by vegetation growth on the structure. This has caused a significant drop in the road surface above.

Following the completion of the retaining wall construction Havyatt road should be reinstated to its original width.

North Somerset Council are not aware of any specific contaminated land issues associated with this site.

Spring Lane Retaining Wall:

- All reasonable safety measures are to be complied with by the *Contractor* (relevant PPE etc.)
- The requirements of the statutory undertakers are to be complied with.
- No contamination of the nearby land is permitted.
- All authorised visitors are to make themselves known to the *Contractor* and must be given a site induction.
- All visitors and site operatives shall wear appropriate PPE at all times whilst on site.
- The site including the compound and any storage area(s) are to be kept secure at all times, particularly at night when pedestrians may gain access. Access is to be prevented to members of the public especially children who may find the site appealing to enter.
- Weather is to be monitored.
- Emergency contact numbers are to be given to all relevant authorities during the construction stage(s) and shall be clearly displayed on Site. The information displayed on Site shall include the *Contractor*'s company name, office location, office telephone number and emergency contact number.
- All works areas shall be adequately barriered or fenced off to prevent pedestrians and vehicles entering the *works* areas.

Surrounding Land Use:

The site is located on Spring Lane, an unclassified single-track highway. The highway is owned by North Somerset Council.

The land adjacent to the highway to the south, is privately owned land associated with Yew Tree Cottage.

The *Contractor* is responsible for arranging any access required from private land owners.

Spring lane is a no through road providing the only access route to several residential properties and farmland to the south. As such the road carries a very low volume of traffic.

To the south the retaining wall abuts Manor Farm House. The length of wall between Manor Farm House and the section of wall to be replaced was rebuilt in 2005.

The section of retaining wall to be replaced has suffered from failure, caused by vegetation growth on the structure.

Following the completion of the retaining wall construction Spring Lane should be reinstated to its original width.

North Somerset Council are not aware of any specific contaminated land issues associated with this site.

3.2 Access to the site:

Tumbling Weir Retaining Wall:

Drawing No. 46W016/NSC/C/2018/101 shows the proposed site location, site extents and access route.

The proposed access route is along Hayvatt Road from the A38. Any access routes should avoid passing thought the centre of Wrington from the north. It is proposed that a delivery area is provided for the unloading of material and equipment.

The C*ontractor* is responsible for determining the most appropriate access route and obtaining the relevant consents from any private land owners.

Site access shall be properly signed on approach to the site with appropriate visibility.

Loading / Unloading and storage areas to be agreed with the Project Manager before delivery.

All private means of access to be maintained at all times wherever possible.

Site egress shall be at properly signed points, only with appropriate visibility.

Location of site welfare facilities to be agreed by the Project manager before delivery.

No site personal may cross live traffic lanes on foot to reach their intended place of work.

Spring Lane Retaining Wall:

Drawing No. 56W026/NSC/C/2018/101 shows the proposed site location, site extents and access route. The proposed access route is along East Dundry Lane from Wells Road.

The C*ontractor* is responsible for determining the most appropriate access route and obtaining the relevant consents from any private land owners.

Site access shall be properly signed on approach to the site with appropriate visibility.

Loading / Unloading and storage areas to be agreed with the Project Manager before delivery.

All private means of access to be maintained at all times wherever possible.

Site egress shall be at properly signed points, only with appropriate visibility.

Location of site welfare facilities to be agreed by the Project manager before delivery.

No site personal may cross live traffic lanes on foot to reach their intended place of work.

3.3 Deliveries:

All deliveries to the site must take into consideration of existing obstructions around the proposed site locations. It shall be the responsibility of the C*ontractor* to produce an access plan and a method statement describing all access arrangements for the delivery of all plant/materials and construction of the proposed works.

3.4 Noise and Vibrations:

3.4.1. Unless agreed otherwise, noisy operations shall not be carried out between the hours of 19.00hrs and 07.30hrs on weekdays and 20.00hrs and 09.00hrs on weekends. The Contractor shall ensure that noisy operations likely to affect local residents are carried out within the limits set out by the local Environmental Health Department below and with minimum disturbance to the local residents.

3.4.2. The *Contractor's* attention is drawn to the Control of Pollution Act 1974 and in particular to Sections 60 and 61 which relate to noise on building sites.

3.4.3. The *Contractor* shall employ the best practicable means, as defined in Section 72, Control of Pollution Act 1974, to minimise noise produced by his operations, including plant maintenance, and shall comply with the recommendations in BS 5228: 1984 "Noise Control on Construction and Open Sites".

3.4.4. All vehicles and mechanical plant used on the Works shall be fitted with effective exhaust silencers and shall be maintained in good and efficient working order for the duration of the works and comply with BS 5228: 1984 "Noise Control on Construction and Open Sites". Machines in intermittent use shall be shut down in the intervening periods between uses. The *Contractor* shall remove from the Works any item of plant which in the opinion of the Head of Environmental Health Services is ineffectively silenced.

3.4.5. All compressors shall be sound reduced models fitted with properly lined and sealed acoustic covers which shall be kept closed whenever the machines are in use, and all ancillary pneumatic percussive tools shall be fitted with mufflers or silencers of the type recommended by the manufacturers. Pumps and mechanical static plant shall be enclosed by acoustic sheds or screens.

3.4.6. Sound levels shall be monitored by methods set out in Appendix B of BS5228: 1984 "Noise Control on Construction and Open Sites, Part 1 Code of Practice for basic information and procedures for noise control".

3.4.7. Any plant such as generators and pumps that are required to work outside the hours of 0730-1900 shall be surrounded by an acoustic enclosure to the approval of the Head of Environmental Health Services as shown in below address.

Environmental Health
North Somerset Council
Town Hall
Walliscote Grove Road
Weston-Super-Mare
Email: epenquiries@n-somerset.gov.uk

Tel: 01275 884135

3.4.8. The *Contractor* shall organise his operations with regard to the positioning of plant and the location of haul routes, etc. so as to minimise construction noise to adjacent properties

3.4.9. The *Contractor* shall furnish such information as may be required by the Environmental Protection Officers of the relevant local authority in relation to noise levels emitted by plant or equipment used or installed on the site or which the Contractor intends to use or install on the site.

3.4.10. The *Contractor* shall afford all reasonable facilities to enable the authorised officers of the local authority to carry out such site noise monitoring as may be necessary.

3.4.11. Local authority for environmental protection purposes:

Environmental Health
North Somerset Council
Town Hall
Walliscote Grove Road
Weston-Super-Mare
Email: epenquiries@n-somerset.gov.uk

Tel: 01275 884135

3.4.12. The *contractor's* attention is drawn to the operations such as vegetation clearance, construction of foundations and all reasonable precautions shall be taken to control noise to the limits in the contract. Due consideration shall be given to the local businesses and residents with respect to noisy operations and all mitigation methods to control noise shall be provided.

SCHEDULE A1/9/1					
Period			Total Noise Levels at Control Stations		
			Facade Noise Level LA eq (T hrs) (note ii)	Period, T, over which LA eq is measured	Maximum Noise Level LpA,max (note iv)
Mondays to Fridays	07.00 to 19.00 hrs		70	12	80
Saturdays and Sundays	07.00 to 13.00 hrs		70	6	80
Saturdays and Sundays	13.00 to 19.00 hrs		60	6	70
Evening Hours	19.00 to 22.00 hrs		Evening Ambient + 10	3	65
Every Night	22.00 to 07.00 hrs		Night Ambient + 5	9	50
Sundays and Bank Holidays	07.00 to 22.00 hrs		-	-	-

Notes:

a) Noise levels relate to 1m from the most exposed facade of an occupied building. Where noise levels are determined for free field conditions, the permitted noise levels shall be reduced by 3 dB(A).

b) The noise level, LA eq (T hrs), at a noise control station is the total LA eq from all noise sources in the vicinity, including Site noise, over the specified period, T hrs.

c) The existing ambient noise level, LA eq (T hrs), at a noise control station is the total LA eq from all the noise sources in the vicinity over the specified period, T hrs, prior to the commencement of the Works.

d) LpA,max is the highest value indicated on a sound level meter, which meets the requirements of BS 5969 Type 1 or 2 set to SLOW response and frequency weighting A.

3.5 Working Hours:

The following working hours are a guide and are available to the *contractor* to carry out the contract:

5 days a week 8:00hrs till 18:00hrs

3.6 Parking:

All *Contractors* and visitor's vehicles to be parked within the site designated parking area. Any deliveries/ construction vehicles at the site must keep all footways and public/ private access clear at all times.

3.7 Working at Height and Above Water:

All *Contractors* should take reasonable care to access to the proposed works site locations.

Please refer to the relevant job Pre-Construction Health & Safety Information located in the contract documents for detailed information.

3.8 Storage of fuel, materials and consumables:

Care must be taken not to pollute the surrounding areas.

3.9 Security and protection of the Site:

The site is to be secure at all times whilst works are taking place. At night the compound is to be secure as to not allow access by children or other members for the public and also to prevent the materials from being stolen.

3.10 Control of site personnel:

All C*ontractors*' staff and others working on the site MUST sign in and out of every shift. Any visitors to the site must sign in at the compound and have a site induction. This induction must be recorded as taking place.

All visitors must be accompanied on site at all times.

3.11 Existing Services:

Tumbling Weir Retaining Wall:

Openreach overhead communications cables run along the eastern edge of Havyatt road past the site location

Overhead High Voltage (132 kW) power lines run east to west, crossing Havyatt Road approximately 100m south of the site location

It is not anticipated that any service diversion will be required.

A risk assessment for services has been included in the contract documents.

Spring Lane Retaining Wall:

Openreach overhead communications cables run along the northern edge of Spring Lane and cross Spring Lane close to the site location to the east and the west.

Overhead Low Voltage power lines run east to west across the site along Spring Lane, crossing Spring Lane in close proximity to the site location to the east. Service power lines cross Spring Lane approximately 20m west and 80m east of the site location. A1m exclusion zone should be allowed to the cables and a 600mm should be allowed to the poles.

A buried water main runs along Spring Lane past the site location. The plans provided by Bristol Water indicate that the Live water main runs along the northern edge of the road. They also indicate an abandoned main running along the southern edge of the road. The plans also indicate communication pipes and water meters in the road adjacent to the site location.

A buried gas main runs along Spring Lane past the site location. The gas supply Pipe for Yew Tree cottage passes through the section of retaining wall to be replaced The Contractor is responsible for developing a safe system of work and a method statement for how the risk associated with working around this gas supply pipe shall be managed. One option that has been explored is to redirect the gas pipe around the retaining wall. A proposal and quote for this diversion has been sought form Wales and West Utilities and is included in the contract documents for reference.

A water meter is located in the ground behind the section of retaining wall that is to be replaced. It is not known where the water supply pipe runs relative to the retaining wall. The Contractor is responsible for developing a safe system of work and a method statement for how the risk associated with working around the water supply pipe shall be managed.

It is not anticipated that any other service diversion will be required as part of the works.

Plans provided by the relevant statutory undertakers showing any plant in the proximity of the site have been included in the contract documents. Up to date plans should be requested before commencing site works. A risk assessment for services has also been included in the contract documents.

A CAT and Genny should be used to locate and mark all buried services in the road or verge before and digging is undertaken.

The relevant services asset owners shall be notified prior to the commencement of work in the vicinity of their assets.

Any guidelines or conditions published by the relevant services asset owners on restrictions and safe practice whilst working/digging in proximity to their assets shall be followed.

Contractor should double check and carry out appropriate scanning methods before works starts on site.

4. Contractors Design:

The *Contractor* shall be responsible for the installation of the wall structures in accordance with the drawings and documents included in the contract documents.

The *Contractor* shall be responsible for the design, detailing and installation of all temporary works including temporary support of the existing carriageways and backfill material during excavation, and temporary diversion of the river or Traffic.

Any scaffolding, support or access systems used shall be such as to give adequate support, access and stability during all operations.

The *Contractor* shall act as designer for the traffic management and pedestrian control measures.

Details of the *Contractor*'s temporary works proposals shall be submitted for the *Project Manager*'s review prior to commencement on site. The *Contractor* shall include Risk Assessments, Method Statements, Design and associated Design and Check Certificates.

5. Testing and Inspections:

All testing shall conform with relevant standards in the attached Approval in Principle Document (AIP).

The Contractor shall include in the rates for any testing in accordance with the Standards and compliance certification to be provided to the Client on completion of the works.

6. Contract Monitoring:

6.1 Health & Safety:

Tenderers shall comply with all relevant Health and Safety Legislation and Regulations.

It is proposed to formally appoint the successful Tenderer as Principal Contractor under The Construction (Design and Management) Regulations 2015. Tenderers must therefore be able to satisfy the Employer that they are competent and have made available adequate resources for health and safety.

Tenderers are reminded that the tender price should include for all relevant duties under The Construction (Design and Management) Regulations 2015.

Tenderers should include a written undertaking that if awarded the contract they are willing to accept the appointment of Principal Contractor and the duties thereof in accordance with all relevant Regulations.

6.2 Subcontracting:

The Contractor can use one of their own vetted and approved sub-contractors or carry out the work themselves. All sub-contractors will require the consent of the Employer via references from others for which similar Works have been undertaken before the start of the Contract

b) Statement of any work which not be subcontracted:
None
c) Statement of any works which is required to be subcontracted:
None

7. Management information

The communication procedure for the works will be in the form of a weekly meeting between the Supervisor and the Project Manager and the contractor's site representative. The meetings will take the form of a discussion relating around the progress against the programme in terms of activities carried out that week and the activities to be done the following week.

Employer's work specifications and drawings

Tumbling Weir Retaining Wall:

1. Existing Tumbling Weir Retaining Wall Location Map.
2. Drawing Number: 46W016/NSC/C/2018/101 Rev.01; Proposed Site Access Arrangements.
3. Drawing Number: 46W016/NSC/C/2018/102 Rev.01; Proposed Construction Sequence.
4. Drawing Number: 46W016/NSC/C/2018/103 Rev.01; Proposed wall General Arrangement.
5. Drawing Number: 46W016/NSC/C/2018/104 Rev.01; Sections Through New Retaining wall.
6. Drawing Number: 46W016/NSC/C/2018/105 Rev.01; New Retaining Wall Reinforcement Details.
7. Drawing Number: 46W016/NSC/C/2018/106 Rev.01; Trial Hole Locations.
8. Drawing Number: 46W016/NSC/C/2018/107 Rev.01; Profile of Existing Retaining wall.

Spring Lane Retaining Wall:

1. Existing Spring Lane Retaining Wall Location Map.
2. Drawing Number: 56W026/NSC/C/2018/101, Rev.01; Proposed Site Access Arrangements.
3. Drawing Number: 56W026/NSC/C/2018/102, Rev.01; Proposed Construction Sequence.
4. Drawing Number: 56W026/NSC/C/2018/103, Rev.01; General Arrangement.
5. Drawing Number: 56W026/NSC/C/2018/104, Rev.01; Sections Through New Retaining wall.
6. Drawing Number: 56W026/NSC/C/2018/105, Rev.01; New Retaining Wall, Reinforcement Details.
7. Drawing Number: 56W026/NSC/C/2018/106, Rev.01; Trial Hole Locations.
8. Extent of Spring Lane Retaining Wall with existing Gas pipe location in the wall.