

**United Kingdom Holocaust Memorial
and Learning Centre**

Planning Utilities Statement
December 2018

The Secretary of State for Housing Communities and Local Government

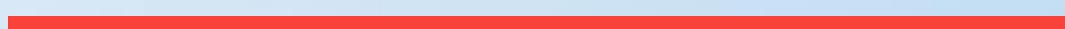


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1

INTRODUCTION





INTRODUCTION

The proposed UK National Holocaust Memorial is adjacent to the Palace of Westminster, London and is on the site of the existing Victoria Tower Gardens.

Victoria Tower Gardens is a public park along the north bank of the River Thames in London. The park, which extends southwards from the Palace to Lambeth Bridge, is sandwiched between Millbank and the river, which also forms part of the Thames Embankment. Victoria Tower Gardens is a Grade II* listed park created in 1864–1870

There are currently no significant buildings on the site that require existing utilities, however there are existing localised services run in the ground.

There are three proposed buildings on-site, as follows:

- § Memorial & Learning Centre
- § Entrance Pavilion
- § Café Building

The first building (the Learning Centre) is set underground. Access is provided between a series of bronze fins protruding from the landscape (known as the Memorial Fins). The building has an area of circa 2645m² and is set over two levels, basement and mezzanine. The basement level comprises exhibition spaces, an archive area and general WC's & service areas. The mezzanine level comprises meeting/office space, general WC's & service areas.

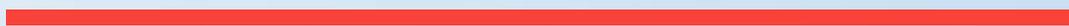
The second and much smaller building of the two is located at ground level at the head of the Memorial Courtyard. The building is used as a security terminal, ticketing and baggage storage area to gain access to the Memorial Fins and Learning Centre.

The third and final building is a Café Building. This building also houses the generator for standby emergency supplies.

This Utilities Statement has been produced to describe the existing and proposed utilities provisions for the project for the purposes of the planning application.

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EXISTING UTILITIES



EXISTING UTILITIES

Utility companies have been consulted to obtain records of existing infrastructure within the vicinity of the proposed development site. The details for the existing services are highlighted below.

ELECTRICITY

The current electricity provider in the area is UK Power Networks (UKPN).

UKPN records indicate there are several local substations to the development. The closest substation located to the West of the site along Dean Stanley Street – reference TC34779. HV cables are currently running along Millbank and Dean Stanley Street that supply the substation networks.

There are currently no HV cables located within the proposed project boundary.

To the North of the site a new development associated with the Houses of Parliament has recently been constructed that has been provided with utilities.

Within the site boundary, there appear to be localised LV cables feeding street/park lighting

Refer to Appendix A, UKPN drawing number (Grid reference) TQ3079SW.

GAS

National Grid have advised that the closest gas main to the site is located adjacent to Millbank.

However, it is not currently envisaged that a gas supply is required to site as there are no boilers of gas cooking proposed. The requirements for gas will therefore not be covered further in this report.

WATER

Thames Water is the local water provider to the area. 3 no. Thames Water mains are located within Millbank. Information from Thames Water identifies a 9" main, which will serve the development.

Current information is based upon the combined utilities ground scan drawing shown in Appendix A.

SEWERS

Thames Water is the local water and sewer provider to the area. A Thames Water combined sewer is located within Millbank. Information from previous reports identify that the sewer is 2362mm in size.

A request has been made to obtain the asset plans from Thames Water to confirm the size, location and depth of the sewer within Millbank.

Current information is based upon the combined utilities ground scan drawing shown in Appendix A.

TELECOMMUNICATIONS

BT Openreach plant in the form of underground apparatus is present within the highways surrounding the site.

Diversion and/or protection of BT ducts, chambers and overhead apparatus may be required to accommodate the proposed new site access points into each development site.

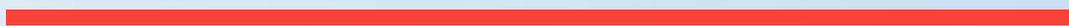
Drawings are still awaited from Openreach as to the extent of existing Utilities on site.

TELEVISION

It is not assumed there are television supplies in or around the site. In addition, all AV/Media supplies will be derived from the IT network.

3

PROPOSED UTILITIES



PROPOSED UTILITIES

At the time of writing, we have received full details of the applications and quotes from UKPN and Thames Water.

The new supplies may be summarised as follows: -

ELECTRICITY

A load assessment has been carried out, and it has determined that an LV supply only will be required for the project.

UKPN have reviewed their network, and can provide the LV supply from the closest substation on Dean Stanley Street (S/S 34779).

The Works will enable the provision of an import capacity of 250 kVA and a maximum export capacity of 0 kW. the site. This demand is proposed to be supplied via dedicated service as shown in the plan.

It is expected that the electrical supplies will be brought to the building at low voltage (400A) and will terminate in an incoming LV cut-out located in a dedicated cupboard at Basement Level.

The incoming LV cables will be ducted into the building from the connection point in Dean Stanley Street to UKPN requirements.

The two other buildings (Entrance Pavilion and Café) will be supplied from the main site supply.

GAS

National Grid have advised that the closest gas main to the site is located some 6.2km away which would involve significant offsite reinforcement works. There is significant costs associated with installing a gas supply to the site therefore gas will not be considered to support the proposed development.

WATER

It is proposed that new water connections to the development shall be provided via the local water main located in Millbank.

Two new connections will be provided -

1. A new 90mm Ø Metered Domestic Water Supply
2. A new 63mm Ø Fire Water Supply

The proposed domestic mains water connection is to be metered and will be used for the infill supply of the cold-water storage tanks located at basement level.

The proposed fire mains water connection is to be unmetered and will be used for the infill supply of the Fire Mist water storage tanks located at basement level.

The two other buildings (Entrance Pavilion and Café) will be supplied from the main site domestic water supply.

DRAINAGE

It is proposed that a new sewer connection be made to the Thames Water combined sewer located within Millbank.

It is proposed that the foul and surface water drainage from the site be combined prior to a single gravity outfall connection to the sewer.

The size of the combined sewer outfall connection is expected to be 150mm Ø.

TELECOMMUNICATIONS

BT Openreach have existing infrastructure in the vicinity of the proposed buildings and new lines will be introduced to each in BT Openreach specification ducts. Confirmation is still awaited from BT to confirm this provision.

2 No. BT Openreach incoming ducts shall be extended into the Learning Centre and will terminate in an DP (distribution point) located in a dedicated intake cupboard at Basement Level. The two other buildings (Entrance Pavilion and Café) will be serviced via the main telecommunications infrastructure, supplied from the Learning Centre.

Access chambers will be provided at suitable intervals and at changes of directions to ensure cabling within the ducts can be successfully introduced, repaired and replaced.

The exact requirements and provision for incoming communications supplies is awaited from Openreach.

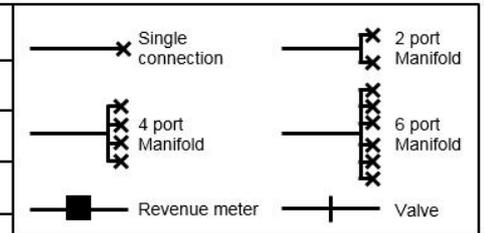
Appendix A



UTILITIES DRAWINGS



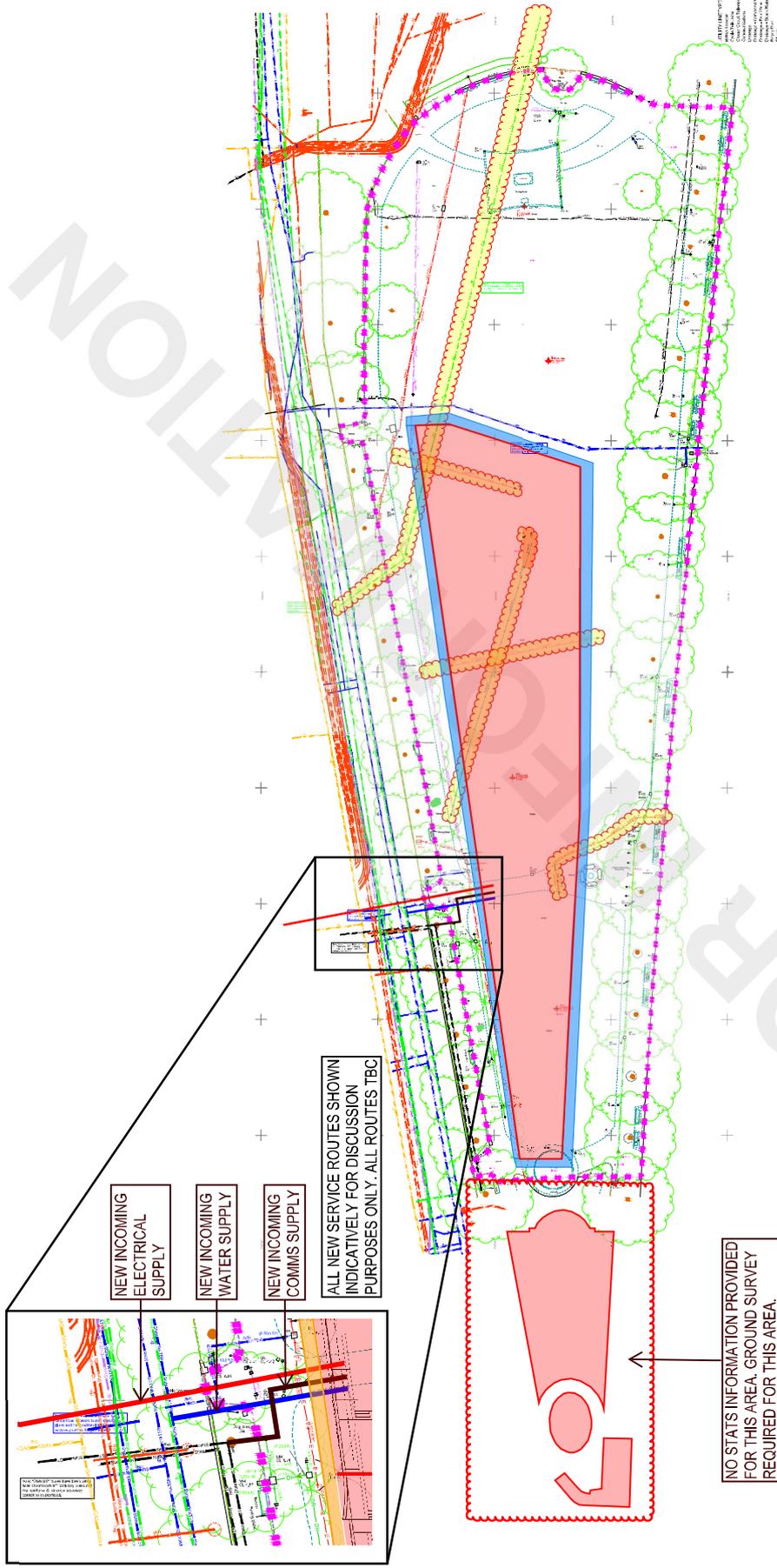
SITE LOCATION: National Holocaust Memorial Gallery, Victoria Tower Gardens, Albert Embankment, London SW1P 3JU			
DS Reference:	DS6045091	Service pipe material:	Barrier Pipe
Order number:	80685914	Designer:	Natasha Holder
Co-ordinates:	X: 530229.07 Y: 179155.56	Date:	13.03.2018



Thames Water Point of Entry Plan - Not To Scale

<p>Plot(s) and Connection Objects (CO)</p> <p>National Holocaust Memorial Gallery, Victoria Tower Gardens, Albert Embankment</p> <p>Plot 1: 1x90mm metered dedicated fire Barrier pipe supply CO: 6813514</p> <p>Plot 2: 1x63mm metered Barrier pipe supply CO: 6813515</p> <p>Connection to be made in Millbank</p> <p>(New build Commercial – Museum and dedicated fire sprinkler)</p> <p>Schedule for fittings: 1x300mm All Flanged Tee 2x300mm Flange Adaptors 4x80mm Flange Adaptors 2x80mm Valve and Chamber 1x80mm Extension Piece/ 1x80mm Meter</p> <p>Please sign to confirm location of connections. Please ensure that you have a copy of this plan when you are booking your water regulations and on site during the inspections. This will enable us to confirm with you the correct plot to be inspected.</p>		<p>Note: The position of the apparatus shown on this plan is believed to be correct at time of issuing this drawing. Thames Water accepts no responsibility in the event of any inaccuracy. The actual position of our apparatus, including existing service pipes which are not displayed on this plan must be established on site.</p> <p>The proposed point of entry for the new service connections maybe subject to deviation due to unforeseen obstructions. Any variation from the designed position of the new water service connections may incur additional charges.</p> <p>© COPYRIGHT: Unauthorised reproduction prohibited based on the ordnance survey map with the sanction of H.M Stationery Office, Licence Number: WU298557.</p>
<p>Signature Print Name Date</p>		

Project: UK NATIONAL HOLOCAUST MEMORIAL
 Title: SITE PLANT WITH UTILITY GROUND SCAN



NEW INCOMING ELECTRICAL SUPPLY
 NEW INCOMING WATER SUPPLY
 NEW INCOMING COMMS SUPPLY

ALL NEW SERVICE ROUTES SHOWN INDICATIVELY FOR DISCUSSION PURPOSES ONLY. ALL ROUTES TBC

NO STATS INFORMATION PROVIDED FOR THIS AREA. GROUND SURVEY REQUIRED FOR THIS AREA.

LEGEND

ASSUMED AREAS AFFECTED BY DIG

1m ZONE AROUND PERIMETER OF DIG. CONSTRUCTION ACTIVITIES MAY REQUIRE FURTHER DIVERSIONS

FULL EXTENT OF SERVICES UNKNOWN. WILL REQUIRE TO BE REMOVED OR REROUTED - SUBJECT TO FURTHER INVESTIGATIONS.

NOTES:
 SKETCH BASED ON ATKINS DOCUMENTS RECEIVED 01/17/2018
 SOR11461 VICTORIA TOWER GARDENS, WESTMINSTER FIGURES v3 (SUMO SURVEY PAS/28 UTILITIES).
 SKETCH COMBINES A NUMBER OF PDF'd DOCUMENTS AND AS SUCH PRESENTS LIMITATIONS ON ACCURACY. FOR FURTHER DEVELOPMENT & INCREASED ACCURACY ATKINS DOCUMENTS ARE REQUIRED IN DWG FORMAT.

LEGEND

Utility	Color/Line Style
Electricity	Red solid line
Water	Blue solid line
Comms	Green solid line
Other	Yellow dashed line

SYMBOLS

Symbol	Description
Red rectangle	Assumed areas affected by dig
Blue rectangle	1m zone around perimeter of dig
Yellow hatched area	Full extent of services unknown



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