

**NOTES:**

- Drawing information based on the Museum's Existing Below Ground Services Survey drawing by Buro Happold in 2021 and Trench Survey Oct 2022, along with non-intrusive site visits and inspections

**TRENCH DIMENSIONS:**

- Trench dimensions stated are internal clear height & widths
- All new proposed BG RC trenches to have additional 250mm RC walls and bottom slab and 150mm cover slab
- Allow for access openings within slab and services chambers as defined by M&E Engineer
- Where trenches pass through existing walls, allow for cutting down existing foundations using non-percussive tools and making good to reveals



**REVISIONS:**

- P1 - Draft
- P2 - Planning Draft - 09.10.2023
- P3 - Planning - 11.10.2023

0 0.25 0.5 4 6

**BRITISH MUSEUM SWEC PROGRAMME**

PROPOSED LEVEL 01 PLAN

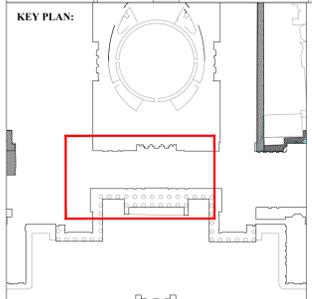
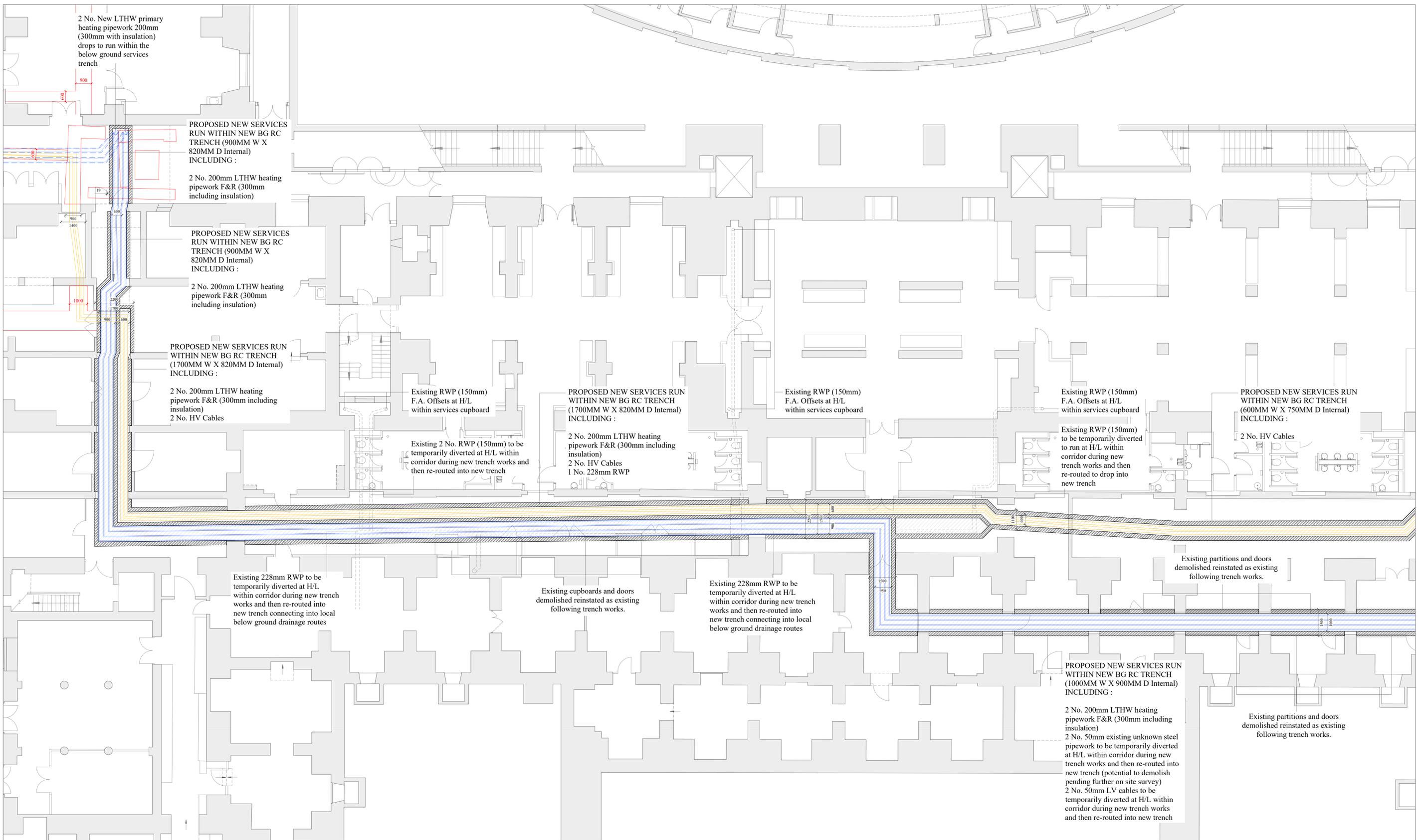
DRAWING NO:  
1077J-WW-RS-01-DR-A-1680

SCALE:  
1:100 @ A1

DATE:  
xx.xx.2023

**WRIGHT & WRIGHT ARCHITECTS**

89/91 Bayham Street  
London NW1 0AG  
TEL: 020 7428 9393  
FAX: 020 7428 9394  
www.wrightandwright.co.uk  
www.wrightandwright.co.uk



**NOTES:**

- Drawing information based on the Museum's Existing Below Ground Services Survey drawing by Buro Happold in 2021 and Trench Survey Oct 2022, along with non-intrusive site visits and inspections

**TRENCH DIMENSIONS:**

- Trench dimensions stated are internal clear height & widths
- All new proposed BG RC trenches to have additional 250mm RC walls and bottom slab and 150mm cover slab
- Allow for access openings within slab and services chambers as defined by M&E Engineer
- Where trenches pass through existing walls, allow for cutting down existing foundations using non-percussive tools and making good to reveals

**KEY:**

- Existing below ground trench
- Existing services
- Existing services at high level (H/L)
- Existing Foundations
- Proposed HV Cables below ground
- Proposed HV Cables H/L
- Proposed LTHW heating pipework below ground
- Proposed LTHW heating pipework H/L
- Proposed below ground alterations

Location of new trench RC Walls below ground.

Area of new trench below ground. To be covered by new trench services covers.

Extent of external road/ground refinishing with tarmac as existing unless otherwise shown in proposed drawings to allow for regrading to proposed levels and new below ground services distribution.

**REVISIONS:**

- P1 - Draft
- P2 - Planning Draft - 09.10.2024

0 0.25 0.5 4 6

BRITISH MUSEUM  
ENERGY CENTRE PROGRAMME

PROPOSED DISTRIBUTION  
SOUTH LEVEL 01 PLAN

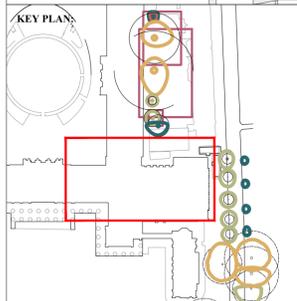
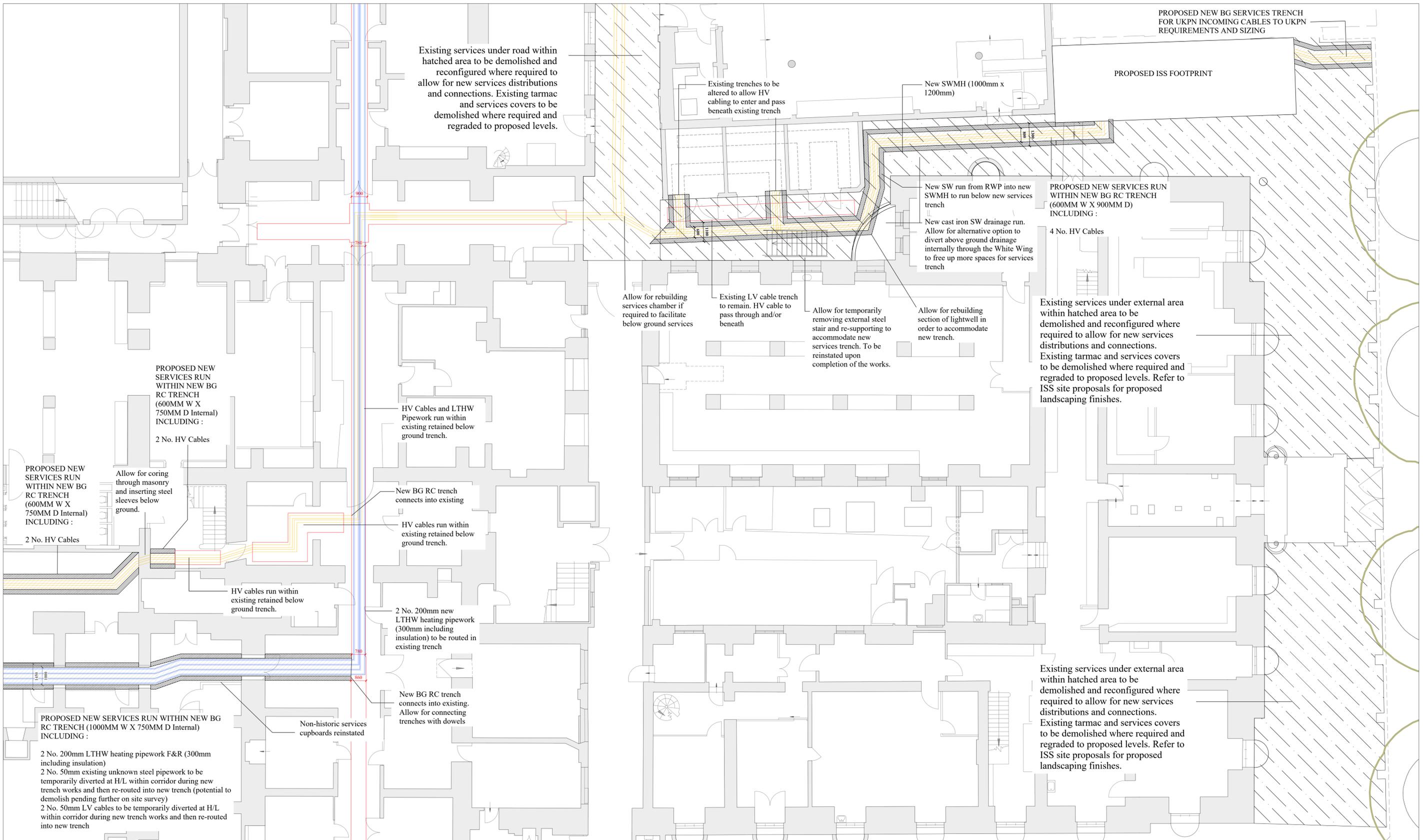
DRAWING NO:  
1077J-WW-RS-01-DR-A-2181

SCALE:  
1:100 @ A1

DATE:  
06.10.2023

WRIGHT & WRIGHT ARCHITECTS

89/91 Bayham Street  
London NW1 0AG  
TEL: 020 7428 9393  
FAX: 020 7428 9394  
www.wrightandwright.co.uk



**NOTES:**

- Drawing information based on the Museum's Existing Below Ground Services Survey drawing by Buro Happold in 2021 and Trench Survey Oct 2022, along with non-intrusive site visits and inspections

**TRENCH DIMENSIONS:**

- Trench dimensions stated are internal clear height & widths
- All new proposed BG RC trenches to have additional 250mm RC walls and bottom slab and 150mm cover slab
- Allow for access openings within slab and services chambers as defined by M&E Engineer
- Where trenches pass through existing walls, allow for cutting down existing foundations using non-percussive tools and making good to reveals

**KEY:**

- Existing below ground trench
- Existing services
- Existing services at high level (H/L)
- Existing Foundations
- Proposed HV Cables below ground
- Proposed HV Cables H/L
- Proposed LTHW heating pipework below ground
- Proposed LTHW heating pipework H/L
- Proposed below ground alterations

Location of new trench RC Walls below ground.

Area of new trench below ground. To be covered by new trench services covers.

Extent of external road/ground refinishing with tarmac as existing unless otherwise shown in proposed drawings to allow for regrading to proposed levels and new below ground services distribution.

0 0.25 0.5 4 6

**REVISIONS:**

- P1 - Draft
- P2 - Planning Draft - 09.10.2024

BRITISH MUSEUM  
ENERGY CENTRE PROGRAMME

PROPOSED DISTRIBUTION  
SOUTH EAST LEVEL 01 PLAN

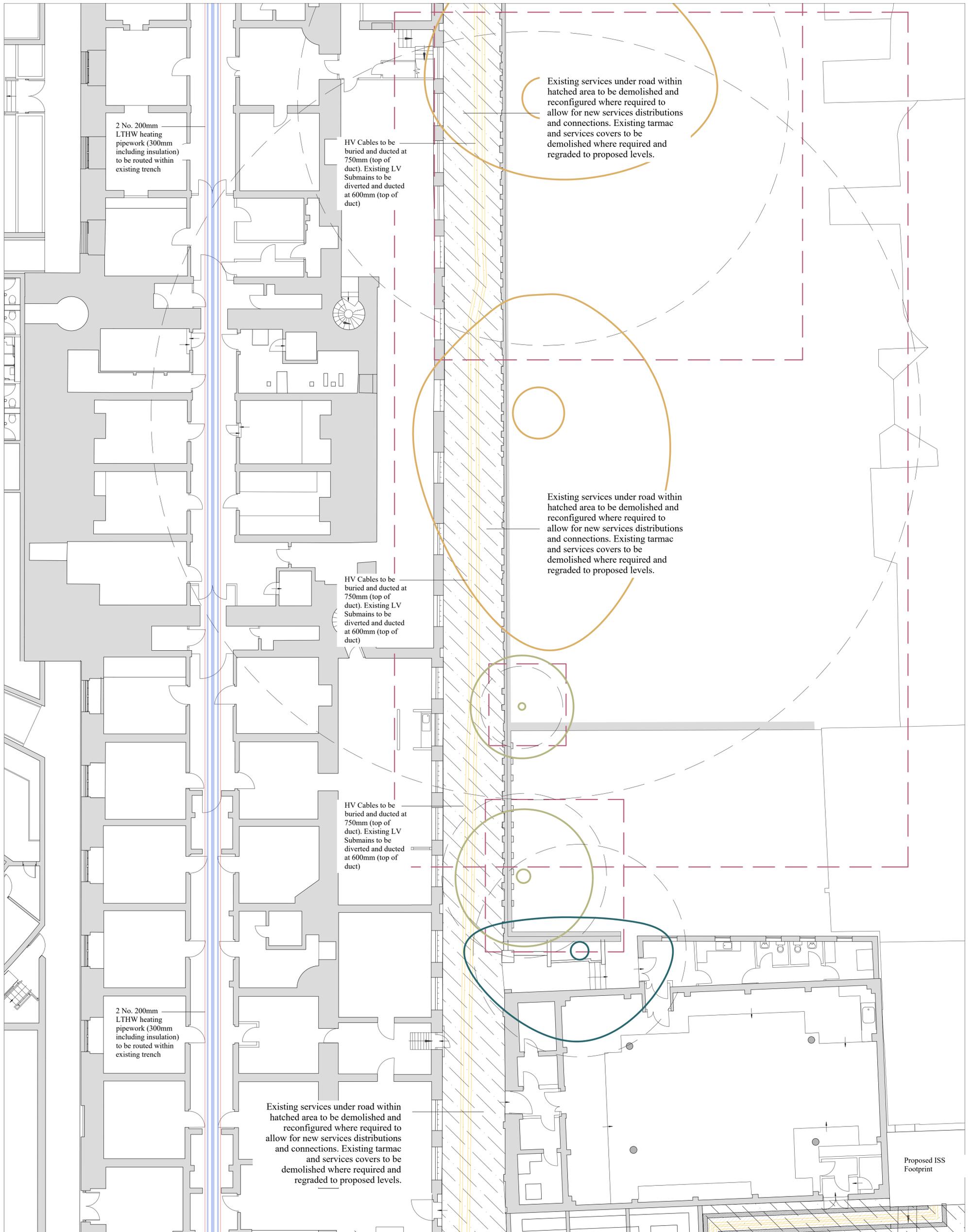
DRAWING NO:  
1077J-WW-DI-01-DR-A-2182

SCALE:  
1:100 @ A1

DATE:  
06.10.2023

WRIGHT & WRIGHT ARCHITECTS

89/91 Bayham Street  
London NW1 0AG  
TEL: 020 7428 9393  
FAX: 020 7428 9394  
www.wrightandwright.co.uk



2 No. 200mm LTHW heating pipework (300mm including insulation) to be routed within existing trench

HV Cables to be buried and ducted at 750mm (top of duct). Existing LV Submains to be diverted and ducted at 600mm (top of duct)

Existing services under road within hatched area to be demolished and reconfigured where required to allow for new services distributions and connections. Existing tarmac and services covers to be demolished where required and regraded to proposed levels.

HV Cables to be buried and ducted at 750mm (top of duct). Existing LV Submains to be diverted and ducted at 600mm (top of duct)

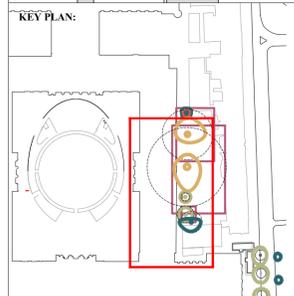
Existing services under road within hatched area to be demolished and reconfigured where required to allow for new services distributions and connections. Existing tarmac and services covers to be demolished where required and regraded to proposed levels.

HV Cables to be buried and ducted at 750mm (top of duct). Existing LV Submains to be diverted and ducted at 600mm (top of duct)

2 No. 200mm LTHW heating pipework (300mm including insulation) to be routed within existing trench

Existing services under road within hatched area to be demolished and reconfigured where required to allow for new services distributions and connections. Existing tarmac and services covers to be demolished where required and regraded to proposed levels.

Proposed ISS Footprint



**NOTES:**

- Drawing information based on the Museum's Existing Below Ground Services Survey drawing by Buro Happold in 2021 and Trench Survey Oct 2022, along with non-intrusive site visits and inspections

**TRENCH DIMENSIONS:**

- Trench dimensions stated are internal clear height & widths
- All new proposed BG RC trenches to have additional 250mm RC walls and bottom slab and 150mm cover slab
- Allow for access openings within slab and services chambers as defined by M&E Engineer
- Where trenches pass through existing walls, allow for cutting down existing foundations using non-percussive tools and making good to reveals

**KEY:**

- Existing below ground trench
- Existing services
- Existing services at high level (H/L)
- Existing Foundations
- Proposed HV Cables
- Proposed HV Cables H/L
- Proposed LTHW heating pipework below ground
- Proposed LTHW heating pipework H/L
- Proposed below ground alterations

**REVISIONS:**

- P1 - Draft
- P2 - Planning Draft - 09.10.2023
- P3 - Planning - 11.10.2023

- Location of new trench RC Walls below ground.
- Area of new trench below ground. To be covered by new trench services covers.
- Extent of external road/ground refinishing with tarmac as existing unless otherwise shown in proposed drawings to allow for regrading to proposed levels and new below ground services distribution.

**BRITISH MUSEUM**  
ENERGY CENTRE PROGRAMME

PROPOSED DISTRIBUTION  
EAST LEVEL 01 PLAN

DRAWING NO:  
1077J-WW-DI-01-DR-A-2183

SCALE: 1:100 @ A1

DATE: 06.10.2023

**WRIGHT & WRIGHT ARCHITECTS**

89/91 Bayham Street  
London NW1 0AG  
TEL 020 7428 9393  
FAX 020 7428 9394  
www.wrightandwright.co.uk  
www.wrightandwright.co.uk

Existing services under road within hatched area to be demolished and reconfigured where required to allow for new services distributions and connections. Existing tarmac and services covers to be demolished where required and regraded to proposed levels.

HV Cables transition to surface mounted 600mm ladder to be run on North facade. Transition occurs within below ground cable pit

PROPOSED NEW SERVICES RUN WITHIN NEW BG RC TRENCH (1060MM W X 1000MM D Internal) INCLUDING:  
2 No. 200mm new LTHW heating pipework (300mm including insulation)

150mm LTHW heating pipework increases to 200mm

PROPOSED NEW SERVICES RUN WITHIN NEW BG RC TRENCH (1060MM W X 1000MM D Internal) INCLUDING:  
ERB Substation B Submain Riser route into Museum

PROPOSED NEW SERVICES RUN WITHIN EXISTING BG RC TRENCH (950MM W X 600MM D Internal) INCLUDING:  
2 No. 150mm new LTHW F&R heating

New BG RC trench connects into existing

200mm LTHW heating pipework reduces to 150mm

Electrical cables rise from trench to H/L

New drainage routes (100mm as per existing) from existing RWP's to be diverted to new CWMH

New external floor as existing tarmac finish within external tunnel to form new services trench.

Step in trench level

PROPOSED NEW SERVICES RUN WITHIN NEW CABLE PIT: INCLUDING:  
ERB Substation B Submain Riser route into Museum

HV Cables to transition from trench to ground via ducts as per typical details

HV Cables to be cleated to bottom of trench below LC cables

PROPOSED NEW SERVICES RUN WITHIN EXISTING BG RC TRENCH (900MM W X 420MM D Internal) INCLUDING:  
2 No. 200mm new LTHW heating pipework (300mm including insulation) to be routed in existing trench

PROPOSED NEW SERVICES RUN WITHIN NEW BG RC TRENCH (2000MM W X TO EXISTING RAFT LEVEL D (C.1500MM) ) INCLUDING:  
ERB Substation B Submain Riser route into Museum

HV Cables to enter via ducts into transformer rooms

HV Cables to be buried and ducted at 750mm (top of duct). Existing LV Submains to be diverted and ducted at 600mm (top of duct)

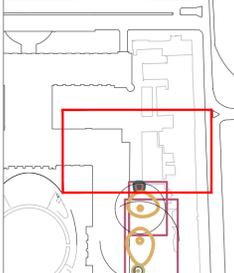
Step in trench level

PROPOSED NEW SERVICES RUN WITHIN NEW BG RC TRENCH (2500MM W X 1500MM D Internal) INCLUDING:  
ERB Substation B Submain Riser route into Museum

PROPOSED ERB BASEMENT BOUNDARY DASHED.

Existing services under road within hatched area to be demolished and reconfigured where required to allow for new services distributions and connections. Existing tarmac and services covers to be demolished where required and regraded to proposed levels.

KEY PLAN:



NOTES:

- Drawing information based on the Museum's Existing Below Ground Services Survey drawing by Buro Happold in 2021 and Trench Survey Oct 2022, along with non-intrusive site visits and inspections

TRENCH DIMENSIONS:

- Trench dimensions stated are internal clear height & widths
- All new proposed BG RC trenches to have additional 250mm RC walls and bottom slab and 150mm cover slab
- Allow for access openings within slab and services chambers as defined by M&E Engineer
- Where trenches pass through existing walls, allow for cutting down existing foundations using non-percussive tools and making good to reveals

KEY:

- Existing below ground trench
- Existing services
- Existing services at high level (H/L)
- Existing Foundations
- Proposed HV Cables
- Proposed HV Cables H/L
- Proposed LTHW heating pipework below ground
- Proposed LTHW heating pipework H/L
- Proposed below ground alterations
- Location of new trench RC Walls below ground.
- Area of new trench below ground. To be covered by new trench services covers.
- Extent of external road/ground refinishing with tarmac as existing unless otherwise shown in proposed drawings to allow for regrading to proposed levels and new below ground services distribution.



REVISIONS:

- P1 - Draft
- P2 - Planning Draft - 09.10.2023
- P3 - Planning - 11.10.2023

BRITISH MUSEUM  
ENERGY CENTRE PROGRAMME

PROPOSED DISTRIBUTION  
NORTH EAST LEVEL 01 PLAN

DRAWING NO:  
1077J-WW-DI-01-DR-A-1684

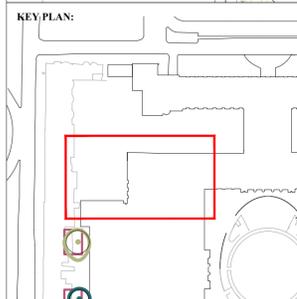
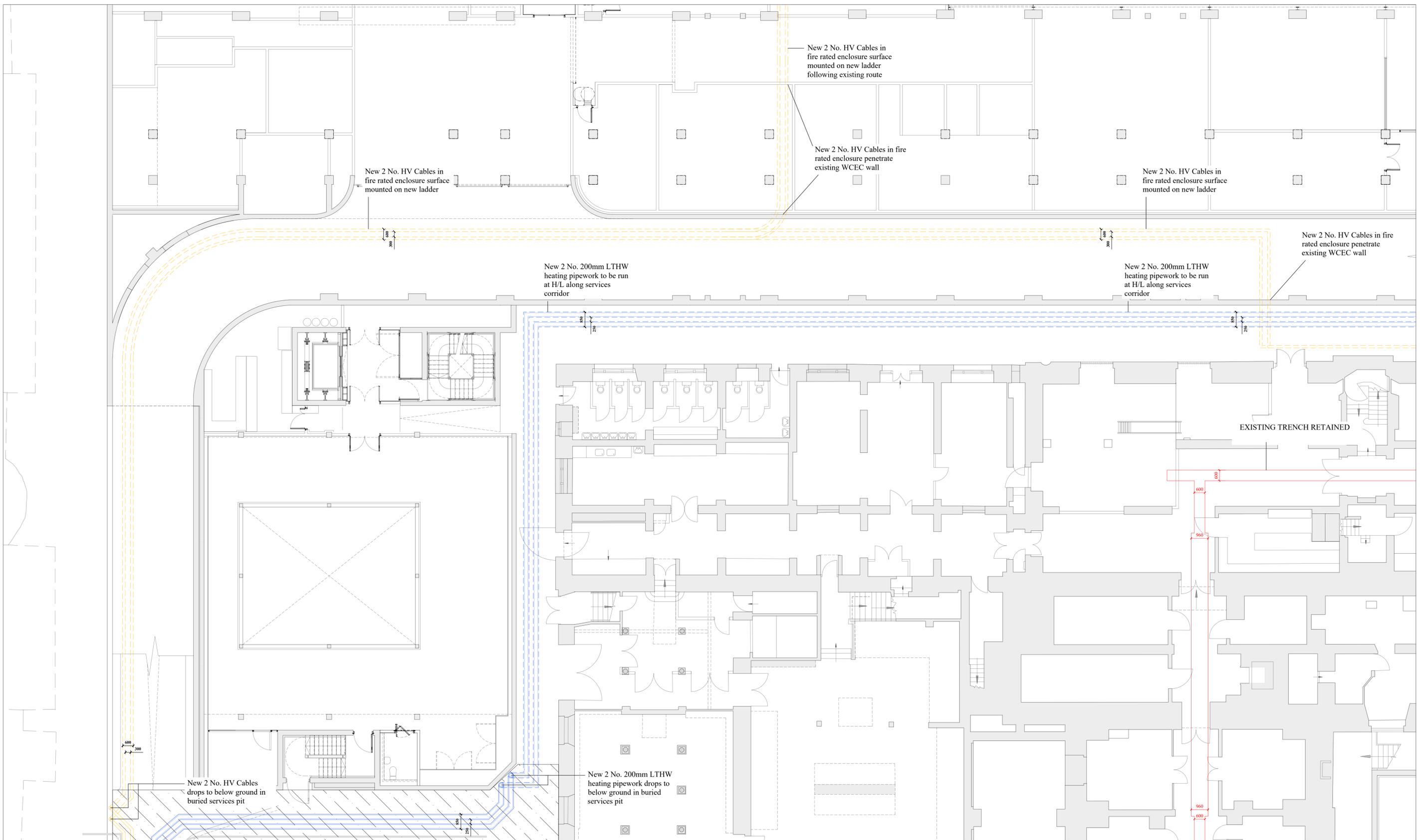
SCALE:  
1:100 @ A1

DATE:  
06.10.2023

WRIGHT & WRIGHT ARCHITECTS

89/91 Bayham Street  
London NW1 0AG  
TEL: 020 7428 9393  
FAX: 020 7428 9394  
www.wrightandwright.co.uk





**NOTES:**

- Drawing information based on the Museum's Existing Below Ground Services Survey drawing by Buro Happold in 2021 and Trench Survey Oct 2022, along with non-intrusive site visits and inspections

**TRENCH DIMENSIONS:**

- Trench dimensions stated are internal clear height & widths
- All new proposed BG RC trenches to have additional 250mm RC walls and bottom slab and 150mm cover slab
- Allow for access openings within slab and services chambers as defined by M&E Engineer
- Where trenches pass through existing walls, allow for cutting down existing foundations using non-percussive tools and making good to reveals

**KEY:**

- Existing below ground trench
- Existing services
- Existing services at high level (H/L)
- Existing Foundations
- Proposed HV Cables
- Proposed HV Cables H/L
- Proposed LTHW heating pipework below ground
- Proposed LTHW heating pipework H/L
- Proposed below ground alterations

- Location of new trench RC Walls below ground.
- Area of new trench below ground. To be covered by new trench services covers.
- Extent of external road/ground refinishing with tarmac as existing unless otherwise shown in proposed drawings to allow for regrading to proposed levels and new below ground services distribution.

0 0.25 0.5 4 6

**REVISIONS:**

- P1 - Draft
- P2 - Planning Draft - 09.10.2023
- P3 - Planning - 11.10.2023

BRITISH MUSEUM  
ENERGY CENTRE PROGRAMME

PROPOSED DISTRIBUTION  
NORTH WEST LEVEL 01 PLAN

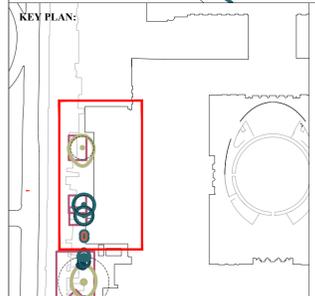
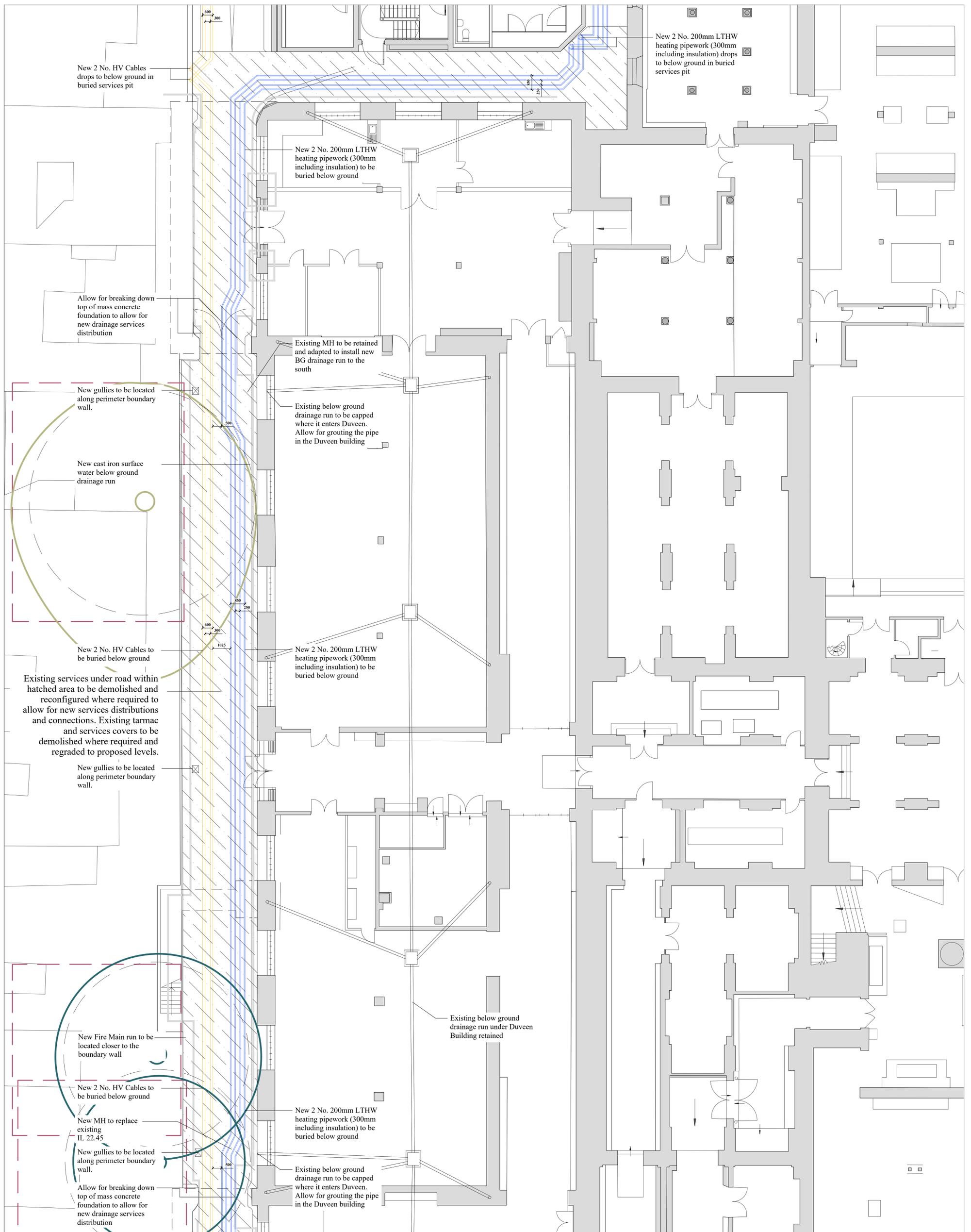
DRAWING NO:  
1077J-WW-DI-01-DR-A-2186

SCALE:  
1:100 @ A1

DATE:  
06.10.2023

WRIGHT & WRIGHT ARCHITECTS

89/91 Bayham Street  
London NW1 0AG  
TEL: 020 7428 9393  
FAX: 020 7428 9394  
www.wrightandwright.co.uk



**NOTES:**

- Drawing information based on the Museum's Existing Below Ground Services Survey drawing by Buro Happold in 2021 and Trench Survey Oct 2022, along with non-intrusive site visits and inspections

**TRENCH DIMENSIONS:**

- Trench dimensions stated are internal clear height & widths
- All new proposed BG RC trenches to have additional 250mm RC walls and bottom slab and 150mm cover slab
- Allow for access openings within slab and services chambers as defined by M&E Engineer
- Where trenches pass through existing walls, allow for cutting down existing foundations using non-percussive tools and making good to reveals

**KEY:**

- Existing below ground trench
- Existing services
- Existing services at high level (H/L)
- Existing Foundations
- Proposed HV Cables
- Proposed HV Cables H/L
- Proposed LTHW heating pipework below ground
- Proposed LTHW heating pipework H/L
- Proposed below ground alterations

**REVISIONS:**

- P1 - Draft
- P2 - Planning Draft - 09.10.2023
- P3 - Planning - 11.10.2023

Location of new trench RC Walls below ground.  
 Area of new trench below ground. To be covered by new trench services covers.  
 Extent of external road/ground refinishing with tarmac as existing unless otherwise shown in proposed drawings to allow for regrading to proposed levels and new below ground services distribution.

BRITISH MUSEUM  
ENERGY CENTRE PROGRAMME

PROPOSED DISTRIBUTION  
WEST LEVEL 01 PLAN

DRAWING NO:  
1077J-WW-DI-01-DR-A-2187

SCALE:  
1:100 @ A1

DATE:  
06.10.2023

WRIGHT & WRIGHT ARCHITECTS

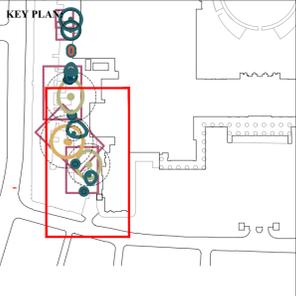
89/91 Bayham Street  
London NW1 0AG  
TEL 020 7428 9393  
FAX 020 7428 9394  
www.wrightandwright.co.uk



Existing services under road within hatched area to be demolished and reconfigured where required to allow for new services distributions and connections. Existing tarmac and services covers to be demolished where required and regraded to proposed levels.

Existing services under road within hatched area to be demolished and reconfigured where required to allow for new services distributions and connections. Existing tarmac and services covers to be demolished where required and regraded to proposed levels.

New attenuation tank under road. Refer to Civil Engineers Drawings and SuDS report.



**NOTES:**

- Drawing information based on the Museum's Existing Below Ground Services Survey drawing by Buro Happold in 2021 and Trench Survey Oct 2022, along with non-intrusive site visits and inspections

**TRENCH DIMENSIONS:**

- Trench dimensions stated are internal clear height & widths
- All new proposed below ground RC trenches to have 250mm RC walls and bottom slab and 150mm cover slab
- Allow for access openings within slab and services chambers as defined by M&E Engineer
- Where trenches pass through existing walls, allow for cutting down existing foundations using non-percussive tools and making good to reveals

**KEY:**

- Existing below ground trench retained
- - - Existing below ground trench demolished
- ▨ Extent of demolition above ground
- ▧ Extent of excavation and demolition to form new RC trench below ground
- ▩ Extent of where trench passes through existing walls. Allow for cutting down existing foundations using non-percussive tools and making good to reveals. refer to structural engineers drawings
- ▦ Extent of external road demolitions. Existing services under road to be demolished and reconfigured to allow for new services distributions and connections. Existing tarmac and services covers to be demolished where required and regraded to proposed levels.

**REVISIONS:**

- P1 - Draft
- P2 - Planning Draft - 09.10.2023
- P3 - Planning - 11.10.2023

**BRITISH MUSEUM**  
ENERGY CENTRE PROGRAMME

**PROPOSED DISTRIBUTION**  
SOUTH WEST GATE LEVEL 01 PLAN

**DRAWING NO:**  
1077J-WW-DI-01-DR-A-2188

**SCALE:**  
1:100 @ A1

**DATE:**  
06.10.2023

**WRIGHT & WRIGHT ARCHITECTS**

89/91 Bayham Street  
London NW1 0AG  
TEL 020 7428 9393  
FAX 020 7428 9394  
www.wrightandwright.co.uk