C422 – Tottenham Court Road

Method Statement for Urban Realm Paving and Sub Base Installation (J. Murphy & Sons)

CRL Document Number: C422-LAO-A-GMS-N105_WS089_1-50002

Supplier Document Number: N/A

Contract MDL reference C12.003

1. Contractor Document Submittal History:

Revision:	Date:	Prepared by:	Checked by:	Approved by:	Reason for Issue:
3.0	02/05/2019	[redacted]	[redacted]	[redacted]	For CRL Acceptance
		[redacted]			

2a. Stakeholder Review Required? YES ☐ NO ☐

Stakeholder submission required: LU ☐ RfL ☐ NR ☐ LO ☐ DLR ☐ Other: _____

Purpose of submission: For no objection ☐ For information ☐

This document has been reviewed by the following individual for coordination, compliance, integration and acceptance and is acceptable for transmission to the above stakeholder for the above stated purpose.

Sign: _____ Role: _____ Name: _____ Date: _____

Sign: _____ Role: _____ Name: _____ Date: _____

2b. Review by Stakeholder (if required):

Stakeholder Organisation	Job Title	Name	Signature	Date	Acceptance
					☐
					☐

3. Acceptance by *Crossrail*:

	***Crossrail* Review and Acceptance Decal** This decal is to be used for submitted documents requiring acceptance by *Crossrail*.		
☐	Code 1.	Accepted. Work May Proceed	Reviewed / Accepted by:
☐	Code 2.	Not Accepted. Revise and resubmit. Work may proceed subject to incorporation of changes indicated	Name: [redacted]
☐	Code 3.	Not Accepted. Revise and resubmit. Work may not proceed	Position:
☐	Code 4.	Received for information only. Receipt is confirmed	Date:

Acceptance by *Crossrail* does not relieve the designer/supplier from full compliance with their contractual obligations and does not constitute *Crossrail* approval of design, details, calculations, analyses, test methods or materials developed or selected by the designer/supplier.	Signature:	

RISK ASSESSMENT / METHOD STATEMENT / TASK SHEET APPROVAL or ACCEPTANCE

Project:	**C422 - Tottenham Court Road**		
Section:	**Urban Realm**		
Work Element:	**Paving and Sub Base Installation**		
Reference:		**Date:**	**02/05/19**
Originator:	**Subcontractor**		
Company:	**J. Murphy & Sons**	**Name:**	[redacted]

[redacted]	[redacted]	**Reviewed by:**	**Comments:**	**Date of Return:**	**Returned To:**

'I am reasonably satisfied, to the best of my knowledge, the proposals in the above method statement are adequate'

1. METHOD STATEMENT APPROVED (LOR MS) or ACCEPTED (SUBCONTRACTOR MS) FOR USE:	
Signed:	**On Behalf of:**
Name:	**Date:**
2. ACCEPTED BY TEMPORARY WORKS COORDINATOR: AS PRINCIPAL CONTRACTOR	
Signed:	**As PC:**
Name:	**Date:**
3. ACCEPTED BY APPOINTED PERSON FOR LIFTING: AS PRINCIPAL CONTRACTOR	
Signed:	**As PC:**
Name:	**Date:**
4. METHOD STATEMENT ACCEPTED BY LAING O'ROURKE PACKAGE / RESPONSIBLE MANAGER:	
Signed:	**As PC:**
Name:	**Date:**
5. FINAL REVIEW AND APPROVAL WITHIN A WEEK PRIOR TO WORK COMMENCING:	
Signed:	**On Behalf of:**
Name:	**Date:**

IMPLEMENTATION OF METHOD STATEMENT:

I have witnessed the work within 24 hrs of its commencement and am reasonably satisfied, to the best of my knowledge, that the proposals in the above method statement are being implemented.

Signed:	**On Behalf of:**
Name:	**Date:**

Table of Contents

1.0 INTRODUCTION

Murphy have been employed to carry out the urban realm works at Tottenham Court Road Station adjacent to both the Western Ticket Hall and Goslett Yard Box sites.

This document outlines the methodology that will be used to install paving surrounding both sections of the site. This Method Statement includes a general sequence and methodology of works, specific points relating to the Quality Assurance and Health, Safety and Environmental controls. It will identify the risks associated with the works and the subsequent control measures therefore ensuring that the works are carried out in a manner that reduces the risk to operatives, public, adjacent work forces, CRL and other third party assets.

All operatives and supervisors will be briefed on this Method Statement prior to works commencing.

All operations are to be reviewed during the construction process by appropriate Murphy personnel (Supervisor, Construction Manager, Project Manager, HSE Advisor, etc.) to ensure that the works are being carried out in a safe manner.

The following is to be read in conjunction with the following documents:

ITEM	DOCUMENT NUMBER	DOCUMENT DESCRIPTION
1	C422-LAO-D-DDL-N105_1-10023	Pavements & Kerbs Layout, Southwest
2	C422-LAO-D-DDL-N105_1-10024	Pavements & Kerbs Layout, Goslett Yard Box
3	C422-LAO-C-RSP-N105_WS089-50002	Highway and Urban Realm Specification
4	C422-LAO-O1-STP-N105_WS089-50001	Construction Phase Plan
5	CRL-XRL-V3-XWI-CR001-50035	Works Information: Volume 2B - General Requirements
6	C422-LAO-O4-STP-N105_WS089-50001	Project Quality Assurance Plan
7	C422-LAO-A-ITP-N105_WS089_1-50003	ITP for Paving and Sub Base Installation
8	N/A	C422 Site Information
9	C422-XRL-C2-RGN-N105-50001	Geotechnical Baseline Report
10	C422-LAO-05-STP-N105_WS089-50001	Project Security Plan
11	C422-LAO-R5-STP-N105_WS089-50001	Logistic Plan
12	N/A	CLOCS Standard for Construction Logistics
13	C422-LAO-T1-STP-N105_WS089-50001	Environmental Management Plan
14	C422-LAO-T1-STP-N105_WS089-50013	Site Waste Management Plan

2.0 SCOPE OF THE WORKS

This Method Statement covers paving installation at the Western Ticket Hall and Goslett Yard Box sites.

Figures 2-1 & 2-2 show the general arrangement of the paving installation (although are subject to revision). The Site Engineer will keep a register of up to date drawings and documents issued to Murphy by Laing O'Rourke as the project progresses.

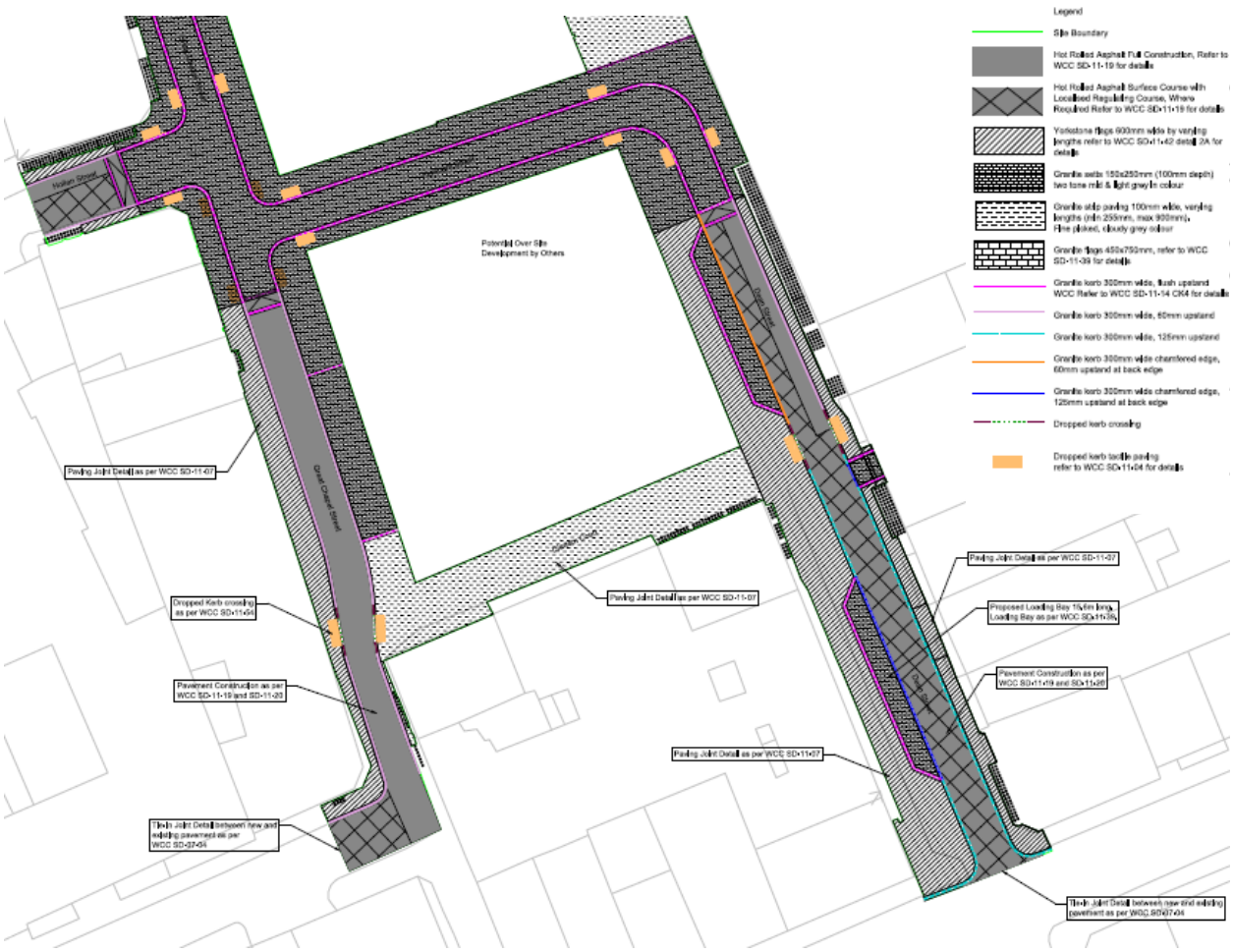


Figure 2-1: Pavements and Kerbs Layout, Southwest

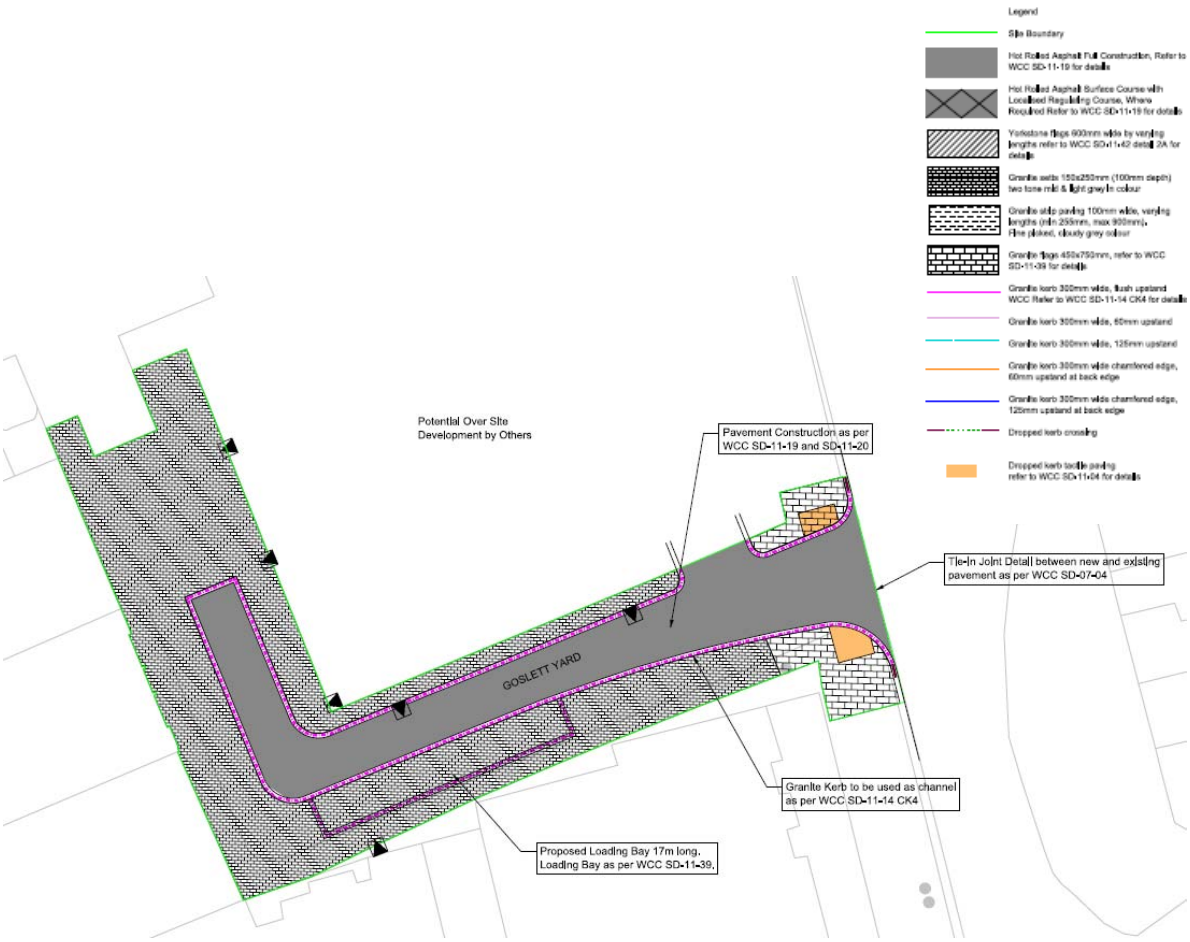


Figure 2-2: Pavements and Kerbs Layout, Goslett Yard Box

3.0 SEQUENCE & METHOD

3.1 Preparation

All personnel are required to attend an LOR site induction prior to entry to site. PPE and competency requirements are described in sections 4 and 6 of this Method Statement. This Method Statement and relevant associated document such as Inspection and Test Plans will be reviewed and accepted by Laing O'Rourke and Crossrail prior to works starting on site and then briefed to the workforce.

All paving and associated materials used on the scheme have been approved by Crossrail and the site team are to be aware of approved material / suppliers and the required documentation, for example CE marking, to be presented with deliveries.

Copies of the paving drawings, the specification, and other relevant documents are to be kept on site and accessible to the site team. Copies of all health, safety, environmental and quality documents are also to be kept on site and be available for audit if requested by either Murphy, Laing O'Rourke, or Crossrail personnel.

3.2 Access/Egress and Material Storage

The works areas are divided into two sections, within the existing site hoardings and outside the site hoardings. When rigid site hoarding is removed it shall be replaced with strongwall barriers immediately. This will form the new site boundary.

Access to areas within site hoardings will be via the existing site access gates with routes as detailed in the project Logistics Plan and shown in Figure 3-3 below. Areas for material storage will be agreed with Lang O'Rourke to enable Murphy to hold a level of stock on site, but without interfering with adjacent activities. This will be reviewed on a weekly basis as works progress or at more regular intervals if required.

Traffic management will be installed to the carriageways and footways in areas outside of the hoardings with access routes and material storage areas shown. Materials, waste and equipment stored outside of the existing site hoardings will be kept to a minimum outside of site working hours. The traffic management drawing for Dean Street South is shown in Figure 3-1. Working areas outside of the hoardings will be securely fenced using Strongwall Barrier, as pictured in Figure 3-2, which is to be clipped together to prevent unauthorised access.

Muck away and large deliveries will be booked in with LOR logistics team on schedule delivery days.

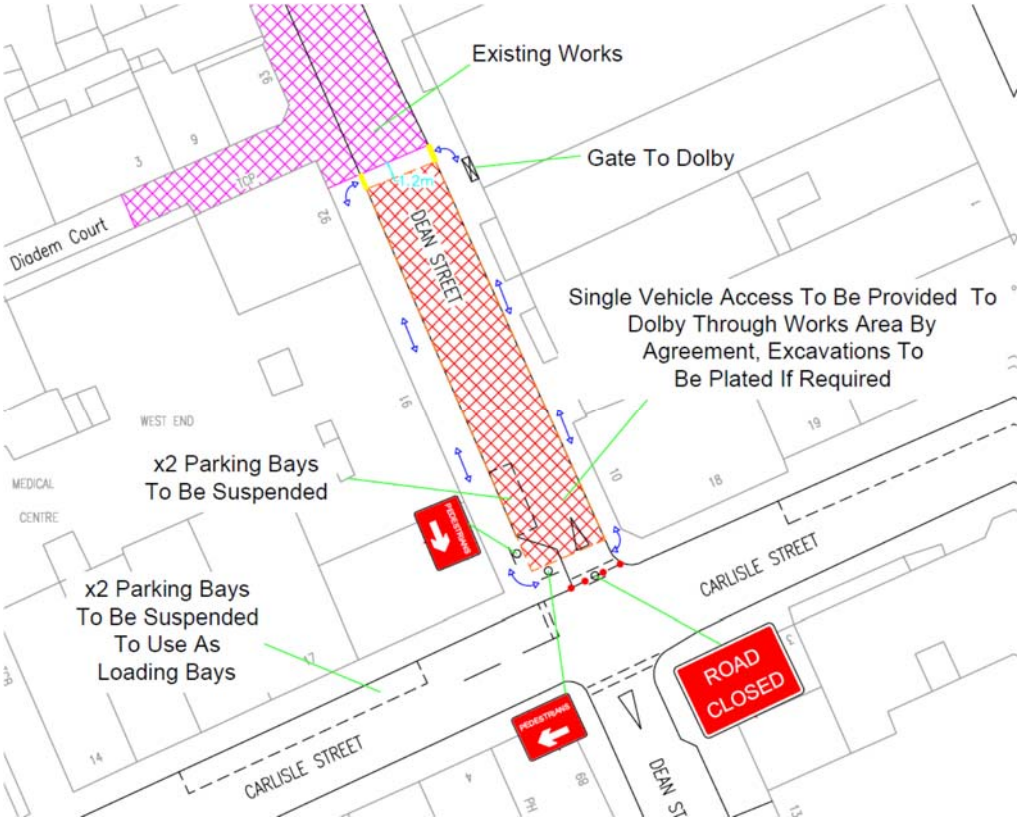


Figure 3-1: Traffic Management Drawing for Dean Street South Works

Figure 3-2: Photo of Strongwall Barrier in use to secure a works area

3.3 Buried Services

A key risk associated with the paving installation is buried services. A full set of utility drawings, dated within the past 12 months, are to be kept on site and reviewed regularly, particularly in advance of moving to a new area of the site. These will be provided by Laing O'Rourke. Chamber and manhole covers will also be lifted and the site checked for lighting columns, distribution boxes, etc. which will indicate that services are present.

The location of the proposed excavation is to be CAT scanned using Leica cat and genny equipment. Any services detected clearly marked on the ground with approximate depths where shallow services are encountered. Photographic evidence of the services clearly marked up on the ground will be presented to LOR attached to a complete Permit to Break Ground for each section of the site. The details of the Permit to break ground are will be briefed to all involved by the Permit Receiver. A Point of Work Risk Assessment will be carried if there are any changes to the Safe System of Work detailed in the Permit. Trial trenches are to be excavated to confirm the location and depth of services, the results of which are to be logged and included on future permits. Such excavations may also reveal potential clashes with the proposed drainage. Laing O'Rourke will be notified as soon as possible if this is suspected. This will act as a hold point so not to proceed with the works if the design has changed. The aim is to keep drainage alignment clear of both services and adjacent properties.

Breaking operations are to be carried out by the site excavator with hydraulic breaker attached. No jackhammers or hand held breakers, picks or points are to be used. Mechanical excavation is not to be carried out within 500mm of an identified or suspected service. In areas congested with services where mechanical excavation is not permitted, the use of a Vacuum Excavator is to be adopted. Flame retardant PPE is to be work by all personnel involved in excavation activities.

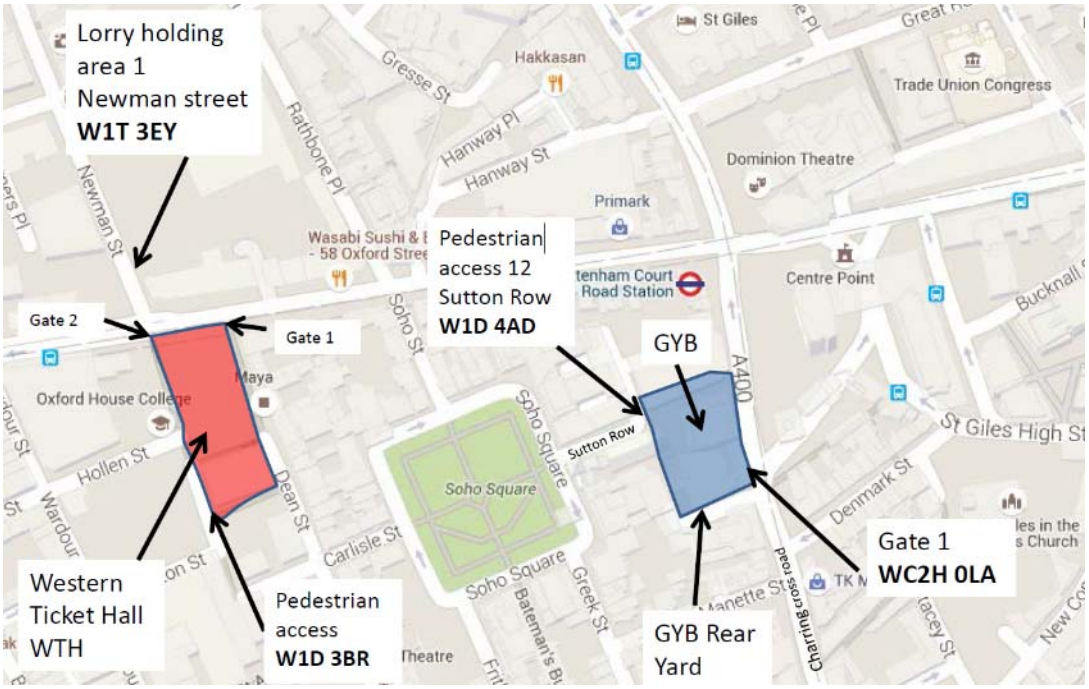


Figure 3-3: Site layout showing existing access gates through hoardings

3.4 Sequence and Method: Paving Installation

1. The existing kerbs, pavements and road surface are to be broken out as outlined in Section 3.3. Each street is to be completed in sections maintaining access for local businesses and residents. Working areas are to be fenced off with signs in place to guide pedestrians.
2. Once the excavation has reached foundation level, the site engineer will set out levels and mark out kerb lines using the total station. Open excavations are to be fenced off and cleared of any debris or materials to reduce slips and trips.
3. Where Type 1 granular material is to be used as foundation it will be graded using an appropriate excavator and compacted in 300mm layers using a whacker plate/roller. In some areas the existing granular material may be used, this is to be agreed on site.
4. Kerbs are to be laid on a bed of mortar/concrete. Typical cross sections can be seen below in Figure 3-4, 3-5 & 3-6. Operatives will install a timber shutter and the engineer will mark the level of the concrete to achieve the required fall. A wet lean concrete base course is then to be laid. Following curing, the paving slabs will be installed on a bed of mortar to the required level.
5. For details of pattern and colour, refer to C422-LAO-A-DDD series drawings. Operatives will take care to ensure compatibility with architectural specification.
6. Where concrete abuts the existing or proposed buildings an expansion joint is to be used. Refer to C422-LAO-D-DDD-N105_Z-00003 and the pavement and kerbing drawings for detail. These drawings should also be referred to for the expansion joints in the concrete road base.
7. All areas to be kept clear and swept clean at the end of each day.
8. A construction record for each section of paving is to be completed and signed off by the relevant parties.

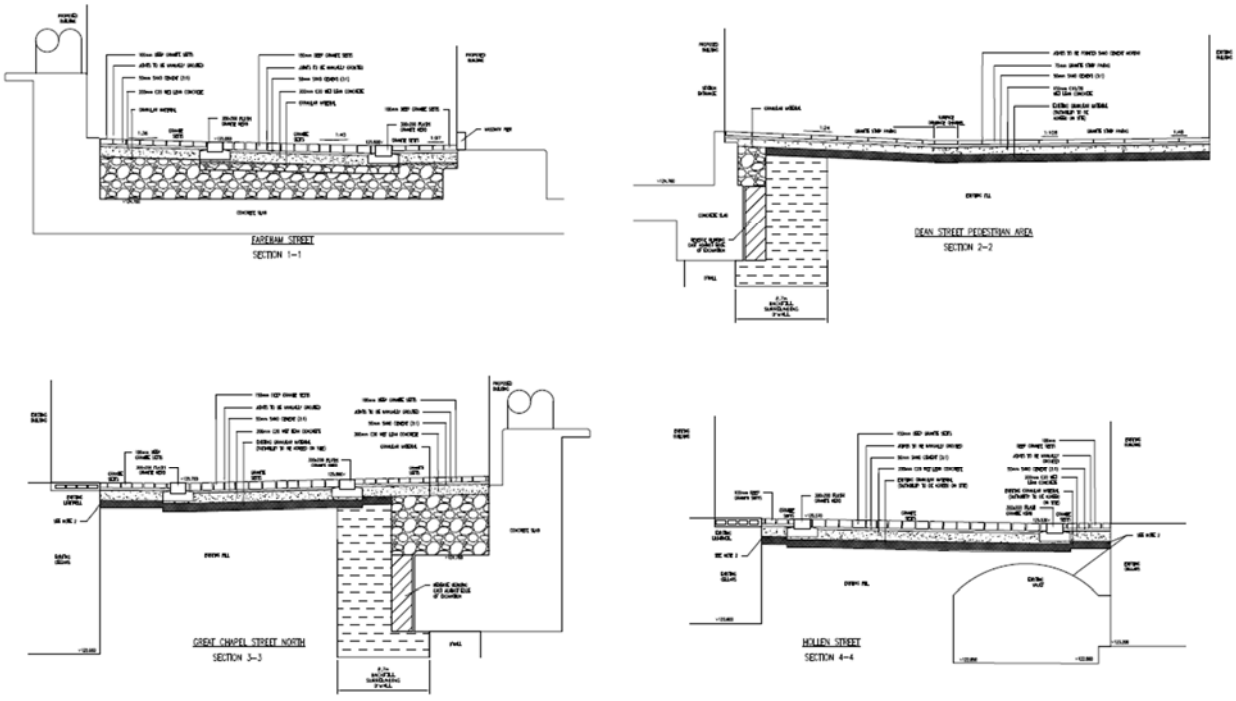
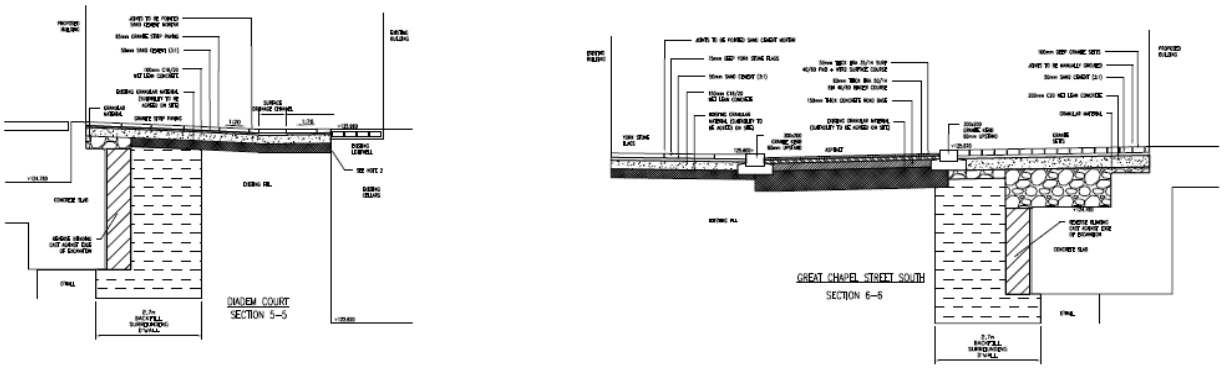


Figure 3-4: Typical Detail Cross Sections, Northwest



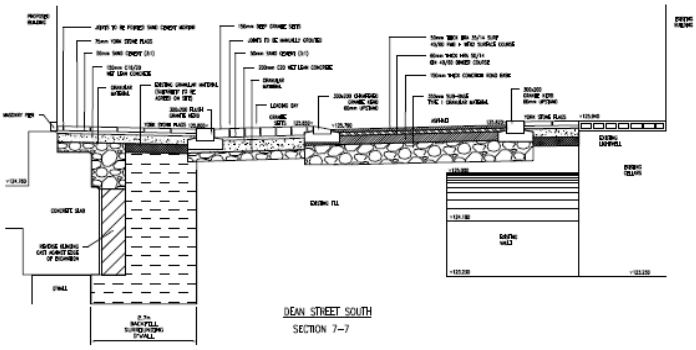


Figure 3-5: Typical Detail Cross Sections, Northwest

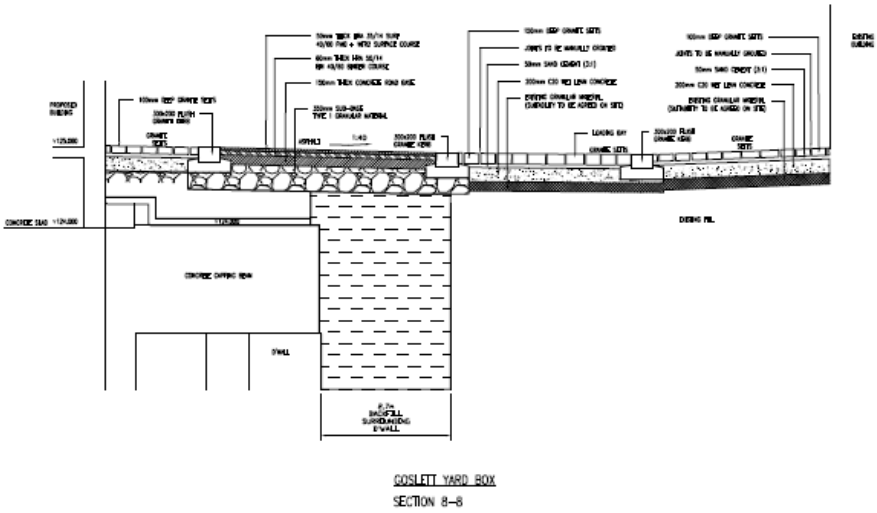


Figure 3-6: Typical Detail Cross Sections, Northwest

4.0 PPE

Mandatory personal protective equipment (PPE) for all persons entering the TCR work site is in line with the C422 works information and Murphy procedures. Mandatory PPE includes: steel toe and midsole boots, Hi-Viz jacket / tabard, glasses, gloves, hard hat.

All operatives involved in cutting or breaking operations should wear the following:

- Dust Masks (to EN149 FFP3)
- High impact Goggles
- Hearing Protection (Ear muffs to EN 352-1) or ear plugs where applicable.

Operatives involved in excavations should wear Hi-Viz flame retardant overalls.

5.0 PROGRAMME

All works will be carried out in the hours agreed within the section 61 application. Hours are envisaged to be Monday to Friday 8:00-18:00 and Saturday 8:00-13:00.

The works are phased in line with constraints and access dates and several visits will be required to complete. Paving install will commence on Dean Street South with the section outside of the hoarding to be completed before the Christmas embargo in early December. It will then move onto Diadem Court before commencing Great Chapel Street in early 2018. The final section to be completed will be the Goslett Yard Box, which is programmed to commence in early April.

6.0 COMPETENCY OF THOSE INVOLVED

All those entering the WTH, GYB and tunnels are to have received a LOR site induction prior to entry, and attended a one-to-one interview with a member of the LOR Project leadership team to determine behaviours with regards to safety.

Daily activity briefings (DAB's) / Point of Works Risk Assessments will be carried out by all trade supervisors with their particular team at the start of each shift, briefing all personnel on what is to be carried out that particular day and highlighting any interfaces which may cause risk.

All persons shall have attended and passed a construction skills health, safety and environment touch screen test and hold an in date CSCS competency card suitable for their role on site. Any operatives installing or altering traffic management are to be NRSWA Streetworks qualified. The site supervisor is also hold a Streetworks card to Supervisor level.

Excavator operators, banksmen, slinger-signallers will hold a relevant CPCS card.

Personnel should have also completed relevant training to suit their role such as manual handling, and abrasive wheels. At least one qualified first aider will be on site at all times.

7.0 TECHNICAL COMPLIANCE

Works are to be carried out in accordance with this Method Statement and the Inspection and Test Plan for temporary works as well as construction drawings, the specification and works information.

Inspections are to be carried out in line with hold and witness points by Murphy and also, where indicated, by Laing O'Rourke / WCC / Crossrail.

A construction record will be completed for each section of paving.

8.0 RESOURCES

Site staff and labour will be supplied by J. Murphy & Sons and arranged by the site's Construction Manager. Those positioned to carry out tasks specified within this Method Statement are to meet the competencies required to carry out the specific trade/task, as defined in Section 6 above.

The following trades/personnel will be required to carry out task in this MS:

- Construction Manager
- Supervisor
- Excavator Operator
- Slinger/Signaller
- Vehicle Banksman
- Ground Workers
- Appointed Person
- Temporary Works Coordinator

8.1 Plant

All the below will be fully inspected in line with the manufacturer's requirements and testing procedures before use. Certificates will be checked by the relevant person dependent on plant and kept on site for review when required:

- Stihl Saw
- Generators

8.2 Tools/Equipment

All of the items listed below will be visually inspected before use by the user. Site supervisor and Murphy's plant department will ensure tools and equipment are inspected and in date prior to being used on site. In addition to daily checks, a weekly recorded PUWER inspection will be carried out by a competent person.

- Kerb Lifter
- Whacker Plate
- Lighting Equipment
- Electrical Leads

9.0 EMERGENCY PROCEDURES

Emergency procedures will be briefed to personnel during the site induction, for example, access and emergency routes, the location of the muster points and nearest hospital.

Should an incident occur the first concern is to ensure no one else is at risk and to help the injured party.

All near misses and incidents are to be reported to Laing O'Rourke as well as though Murphy's 2-1-2 system. This requires sites to report the event within 2 hours of it occurring, complete and interim investigation within 1 day and a through SHEQ Adviser investigation (depending on severity) within 2 weeks.

10.0 ENVIRONMENTAL

10.1 Fuel

Plant is to be refuelled in designated areas and all tools with petrol generator, petrol cans, etc., to be placed in drip trays.

10.2 Traffic Management

Traffic management plans will be submitted for approval for each phase of the works. Only competent personnel holding valid Streetworks tickets are to install, alter, or remove TM. Works are phased to minimise disruption to pedestrians.

11.0 APPENDICES

11.1 Risk Assessment

Contract	C422 - Tottenham Court Road				Client				Laing O'Rourke			
Contract No.					Risk Assessment No.				C422-LAO-A-GMS-N105_WS089_1-50001			
Activity	Installation of Paving											
Activity affecting *(Tick Appropriate Box)*	Employee	x	Third Party	x	Vehicle	x	Plant	x	Environment	x	Likelihood X Consequences	

No.	Hazard	Possible Consequences	Pre- Control			Control Measures	Post-Control		
			L	C	RR		L	C	RR
1	Manual Handling	Injury to operatives	4	3	12	1. Avoid manual handling and use mechanical aids wherever possible. 2. If unavoidable, manual handling assessment carried out. 3. Operatives to be trained in manual handling techniques. 4. Suitable gloves to be worn when handling slabs. 5. Kerbs must not be stacked more than one high before removing the packaging. 6. Take care to place packs evenly along the working area and ensure they are a safe distance from trenches.	1	3	3

1	Pedestrian and Traffic Management	Injury or death to member of the public Unacceptable disruption to community Damage to parked vehicles Injury to driver or site operative Slips, trips and falls	4	3	12	1. Area to be securely fenced at all times using Strongwall Barrier. This is to be fully clipped when unattended, but at all times closed while work proceeds. 2. Access through the Mews to be maintained, but parked cars moved to a safe distance from the works area to allow a large enough area of site for access for plant and safe pedestrian routes as well as private vehicles to pass. 2. Operatives to wear Hi-Viz clothing. 3. Site to be kept tidy with all loose items and waste removed as soon as possible or stacked neatly. Site and pedestrian walkways to be kept clear at all times.	1	3	3

2	Installation Operations	Harm from dust Excessive noise Damage to buried Services Crushing injury Injury from manual handling Cutting slabs	4	4	16	1. Area to be securely fenced with sheeting / acoustic barrier attached to fencing to contain dust and debris and reduce noise exposure to the public. 2. All operatives in the working area to wear ear defenders to protect against noise exceeding 80dB. 3. All operatives to wear safety glasses and gloves. 4. Ensure the area is regularly CAT scanned and a permit to break ground is in place. All operatives to be briefed on services identified on both utility drawings and from CAT scans. Regularly CAT scan the area during sheet installation. 5. All operatives to be trained in manual handling. Kerb lifters to be used. Loads to be shared. 6. Slabs to be suitably placed to avoid movement during cutting. 7. When using rotary saw to cut kerbs ensure disc is in good condition and equipped with a water suppression system. Operatives to wear suitable dust mask equipped with a P3 type filter.	1	4	4
3	Underground Services	Damage to services Gas explosion Injury or death by electric shock Other injuries to ground worker	4	5	20	1. Utility drawings to be available and checked. 2. CAT and Genny to be used to clearly mark the location of any services. 3. Ground disturbance permit to be issued and briefed to all personnel involved with the excavation. 4. No mechanical excavation within 500mm either side of a marked / known service.	1	5	5

6	Noise	Hearing damage Tinnitus Unacceptable environmental disturbance to the surrounding area	3	3	9	1. Assess if a less noisy method or item of equipment can be practicably used instead. 2. Turn off plant when not in use. 3. Keep plant well maintained. If sound insulated doors / accesses are provided to muffle the noise, ensure these are kept closed. 4. Keep noisy works area fenced off. If possible segregate this from the rest of the workforce. Fencing facing public areas to be sheeted. 6. Provide ear defender to all personnel exposed to noise above 80db. Ensure all personnel are wearing ear defenders should noise levels rise above 85db. Ear defenders should always be worn during breaking and cutting operations. 7. Work activities to be varied in order to prevent noise exposure for long continuous durations.	1	3	3

8	Plant & Machinery	Severe injury or fatality by entanglement, crushing, entrapment, overturning Injury resulting from unauthorised person operating plant Damage to plant / surrounding property	4	5	20	1. Check machines have been thoroughly examined and the certificate within date on arrival to site. Check the machine does not have a semi-automatic hitch, which are banned on Murphy sites. 2. Inspect plant before use and record a weekly inspection on PUWER sheet on site. Inspections to be carried out by suitably qualified personnel such as the operator. Should a fault be found, stop using and inform the hire company. 3. Only trained and competent personnel to operate plant and machinery. Check CPCS card is appropriate and keep copies on site. 4. Plant to be switched off and keys removed when not in use. Plant and machinery secured against unauthorised access / use when unattended. 5. Ensure plant operators have all round visibility, for example, 360 excavators to be fitted with mirrors / cameras. 6. A 600mm clear distance is to be maintained between static items such as walls and fencing and rotating plant to prevent crushing. 7. A banksman is to be used to coordinate signalling instructions to operators. Plant movements to be coordinated between Murphy and other contractors if there is an interface. 8. Work areas for plant to be segregated from pedestrians and other site operations through designated safe walkways. At all times the machine is to only work within the site area, which is surrounded by barriers and within approved TM. 9. Ground conditions to be checked to ensure stability of the machine, cabs to be fitted with roll bars in case of overturning. 10. Site speed limit of 5mph to be adhered to. 11. Should the machine be required for lifting a lift plan will produced and approved by the appointed person. The operator must be trained for lifting operations. 12. All personnel to wear mandatory PPE, which includes Hi-Viz clothing, hard hat and safety boots.	1	5	5

9	Grab Lorry	Injury in reversing operations Crushing, entrapment or impact resulting in injury Mechanical failure resulting in a dropped load Slips, trips and falls when accessing the cap or operation platform Overturning due to unstable ground Damage to buildings or surrounding property from the grab arm Injury to pedestrians	4	5	20	1. Ensure machines have been thoroughly examined and the certificate within date on arrival to site. Operator to inspect vehicle daily to ensure it is in good working order. And faults to be reported to Murphy Plant. 2. Vehicle to be fitted with reversing aids including CCTV camera and mirrors. 3. Operator to hold valid competency card and license for both the vehicle and grab operation. Operative to be medically screened to ensure fitness for work. 4. Check stability of the ground. Park vehicle on firm, level ground with the brakes and stabilisers applied. Keys should be removed from the ignition. 5. Loads spread evenly within the wagon to ensure stability and safety of the load. 6. Banksman to be present to ensure no one is within the loading / unloading zone. 7. Interlocking system and alarm to be present to prevent driver accidentally driving away with grab extended. 8. Driver to operate grab from safe operating position with full view of load and traffic. 9. Mandatory site PPE including Hi-Viz, hard hat and safety boots to be worn by operators when outside the cab of the vehicle. 10. Operators to take care when exiting the vehicle and accessing the operating position. 3 points of contact when using fixed access steps.	1	5	5

	Dumper	Injury in reversing operations Crushing, entrapment or impact resulting in injury Slips, trips and falls when accessing the vehicle Overturning due to unstable ground Damage to buildings or surrounding property Injury to pedestrians	4	5	20	1. Ensure machines have been thoroughly examined and the certificate within date on arrival to site. Operator to inspect vehicle daily to ensure it is in good working order. And faults to be reported to Murphy Plant. 2. Operator to hold valid competency card. 3. Check stability of the ground. Park vehicle on firm, level ground with the brakes applied. Keys should be removed from the ignition. 4. Banksman to be present to ensure no one is within working zone. 5. Mandatory site PPE including Hi-Viz, hard hat and safety boots to be worn by operators when operating the vehicle. 6. Operators to take care when exiting the vehicle.	1	5	5
11	Loading & Unloading	Injury by slips, trips and falls Crushing, entrapment or impact injuries Mechanical failure resulting in dropped loads Damage to building or property	4	3	12	1. Keep routes clear to enable safe loading and unloading. 2. Material to be stacked neatly and site and pedestrian walkways kept clear. No material to be stored outside of the site boundary. 3. Drivers to check security of the load before driving. 4. Banksman used to help manoeuvre vehicles around site. 5. When travelling with load, avoid sharp cornering and braking and acceleration to prevent load destabilising. 6. Delivery vehicles to have mirrors to aid visibility. *It is not anticipated that any material will require crane off load either by a site excavator or a Hiab.*	1	3	3
12	Fuel Spillage	Pollution to watercourse / drainage system Injury as a result of exposure of skin / eyes to fuel Damage to carriageway or other property	3	3	9	1. Ensure vehicles are re-fuelled in designated areas. 2. All fuel cans, generators or tools powered by a petrol motor to be stored within a drip tray when not in use. Care to be taken to ensure drip trays do not fill with rainwater, which will reduce their capacity. 3. Spill kits to be kept adjacent to the site and operatives given on site training in how to adequately clean a spill. Used spill kits to be disposed of in a COSHH bin.	1	3	3

13	Use of cement	Chemical burns/Skin irritation	4	3	12	1. Use correct PPE / do not expose skin to cement products. Avoid skin contact. 2. Suitable washing facilities to be available wash cement off the skin immediately. 3. Inform all workers of cement hazards.	1	3	3

Likelihood of Occurrence	Score	Consequence of Occurrence	Risk Rating		Action
Very Unlikely	1	Insignificant / E.g. Non- Lost Time Incident (212 – Cat. 1)	Low	1 - 5	Works may proceed
Unlikely	2	Minor / E.g. Non-Reportable Incident (212 – Cat. 2)			
Possible	3	Moderate / E.g. Reportable Lost Time Incident (212 – Cat. 3)	Medium	6 - 12	All reasonable practicable measures in place and the point of work risk assessment captures further controls as required. Works may proceed with caution.
Likely	4	Major / E.g. Reportable Incident– Permanent Disability (212 – Cat. 4)	High	13-25	Unacceptable. Do not proceed until further controls are in place and risk has been reduced with all controls in place.
Almost Certain	5	Catastrophic / E.g. Fatality (212 – Cat. 5)			

Compiled By					
Name:	[redacted]	Signature:		Date:	**19.01.19**
Approved by					
Name:		Signature:		Date:	

Risk Assessment Review required (*Approver to decide review period*)	**Date:**		**Rev:**	

12.0 COSHH Data Sheets