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Transport and Works Act 1992
London Underground (Bank Station Capacity Upgrade) Order
Environmental Statement Figures Volume

September 2014



Transport and Works Act 1992
London Underground (Bank Station Capacity Upgrade) Order

Environmental Statement Figures Volume

September 2014

Bank Station Capacity Upgrade Project
5th Floor
10 King William Street
London EC4N 7TW

LUL Document Reference:
LUL-8798-RPT-G-002206

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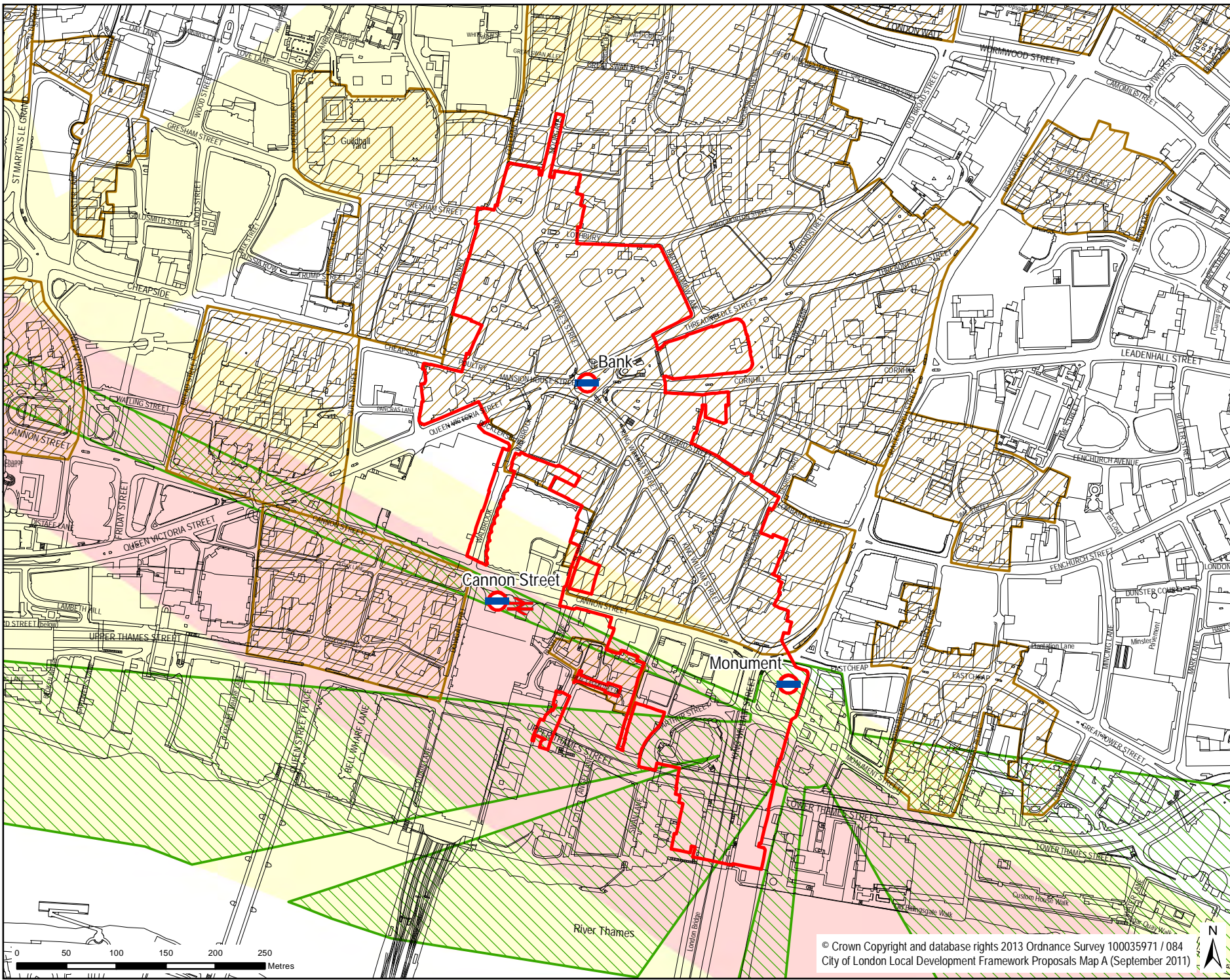
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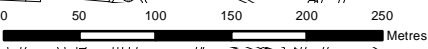
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Document Path: L:\5004 - Information Systems\7070 Bank Station\project_files\A\DOCS\TWO\ES\Chapter 2 Planning Policy\Figure 2.1 Key Policy Designations.mxd



- LEGEND**
- London Underground Station
 - National Rail Station
 - Application Boundary
 - Conservation Area
 - Monument Views and Setting
 - London View Management Framework - Protected Vista Viewing Corridors
 - London View Management Framework - Protected Vista Assessment Areas

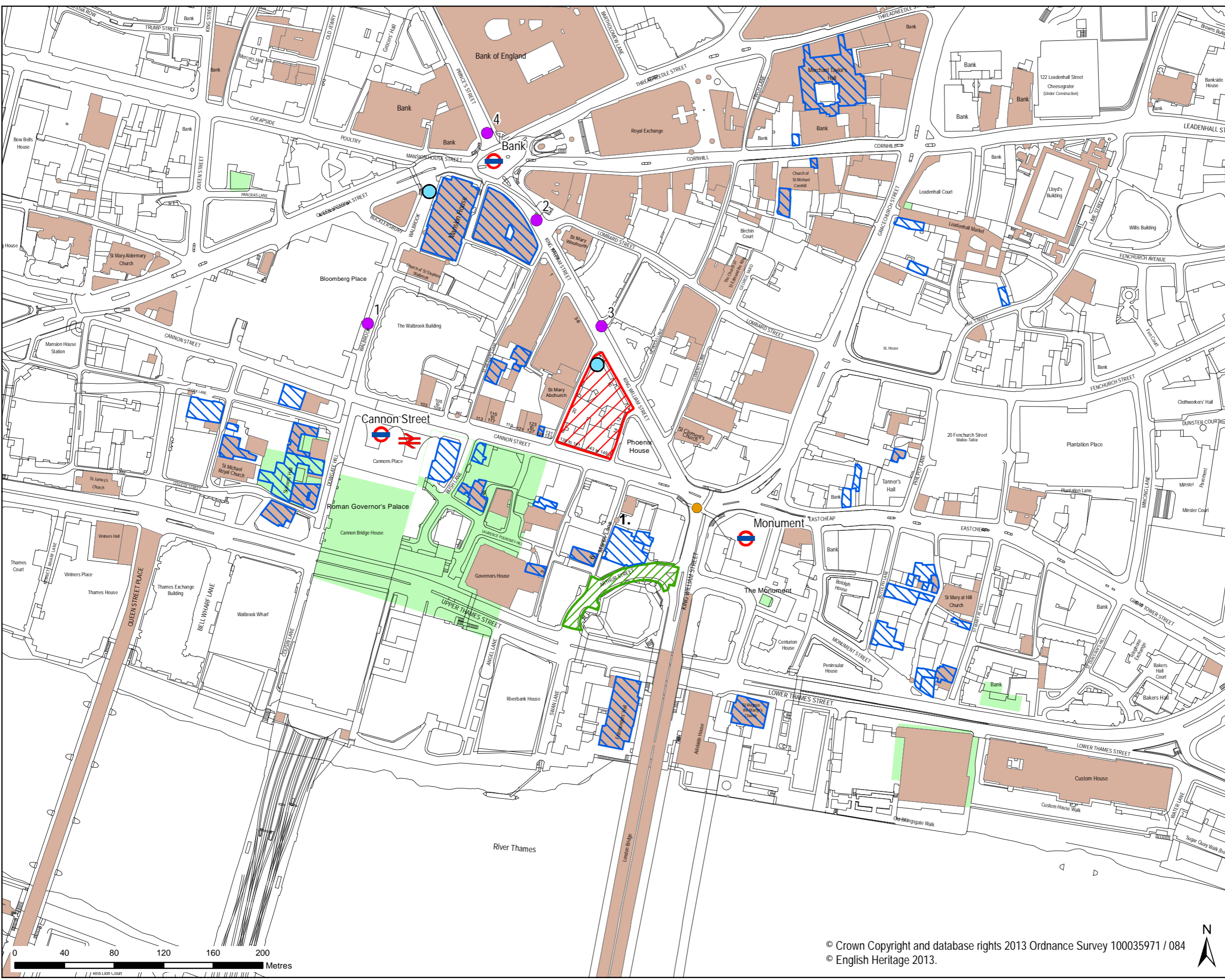
Purpose of Issue		FINAL	
Client		 	
Project Title		BANK STATION CAPACITY UPGRADE PROJECT	
Drawing Title		KEY POLICY DESIGNATIONS	
Drawn	Checked	Approved	Date
JW	SP	SP	08/08/2014
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FIGURE 2.1			



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 City of London Local Development Framework Proposals Map A (September 2011)



Document Path: I:\5004 - Information Systems\47067970 Bank_Station\project_files\MXD\TWA\OIES\Chapter 3 The Site and Surroundings\Figure 3.3 Map of sensitive receptors.mxd



- LEGEND**
- London Underground Station
 - National Rail Station
 - Whole Block Site
 - Arthur Street Work Site
 - Main utilities work sites
 - 1 - Low Level 2 Sewer shaft (new)
 - 2 - London Bridge Sewer shaft (existing)
 - 3 - Low Level 2 Sewer emergency access/egress (existing)
 - 4 - London Bridge Sewer emergency access/egress (existing)
 - Monument Junction utilities strengthening works
 - Potential compensation grout shafts
 - Listed building
 - Residential property
 - Scheduled Monument
 - 1. Site of St Martin Orgar
 - Whole Block Site and work site boundaries are indicative

Purpose of Issue **FINAL**

Client

Project Title
**BANK STATION
CAPACITY UPGRADE PROJECT**

Drawing Title
SENSITIVE RECEPTORS

Drawn JW	Checked SP	Approved SP	Date 14/08/2014
URS Internal Project No. 47067970		Scale @ A3 1:2,800	

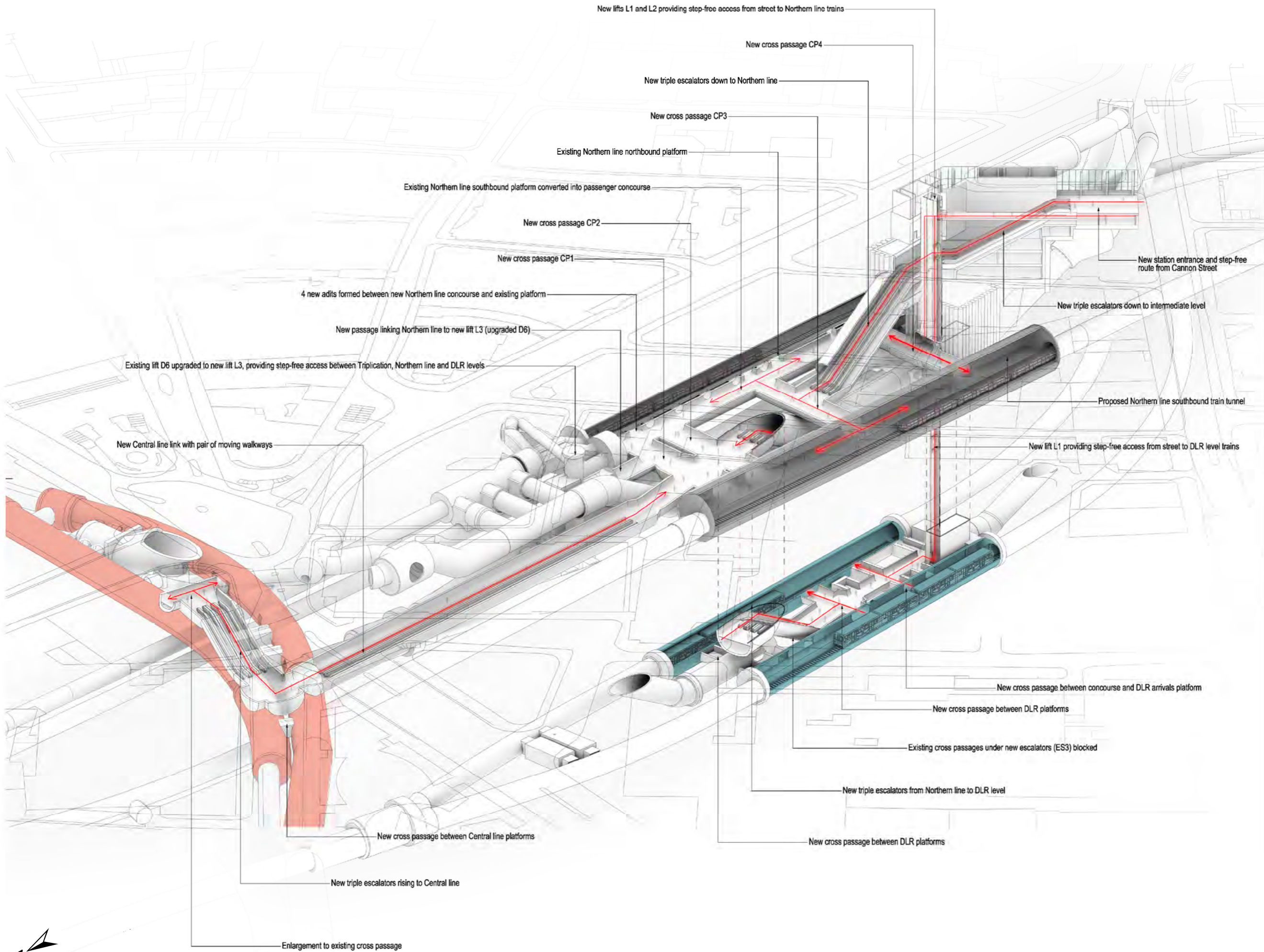
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Drawing Number **FIGURE 3.3**

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LEGEND

- Northern line platforms
- Central line platforms
- DLR platforms

Note:
Drawing not to scale

Existing station entrances and District & Circle Lines omitted for clarity

Source:
WilkinsonEyre.Architects

Purpose of Issue
FINAL

Client
DRAGADOS
London Underground

Project Title
**BANK STATION
CAPACITY UPGRADE WORKS**

Drawing Title
**3D VISUALISATION:
PROPOSED STATION
INFRASTRUCTURE AND
CIRCULATION ROUTES**

Drawn JW	Checked EP	Approved SP	Date 18/08/2014
URS Internal Project No. 47067970		Scale @ A3 NTS	

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FIGURE 4.1

Document Path: I:\5004 - Information Systems\47067970 Bank_Station\project_files\MXDs\TWA\OIES\Chapter 4 The Proposed Development\Figure 4.1 3D Visualisation - Proposed Station Infrastructure and Circulation Routes.mxd

Document Path: I:\5004 - Information Systems\47067970 Bank_Station\project_files\MXDs\TWA0IES\Chapter 4 The Proposed Development\Figure 4.2 3D Visualisation - Proposed Station Public Areas .mxd



New Northern line southbound platform



View from Central line link to Northern line level



View from Northern line level to Central line link

New station entrance on Cannon Street

New escalators up to Street level

New escalators up to Central line

New link between Northern line and Central line

New escalators between Northern line and DLR



View of Northern line level from DLR escalator



Existing Northern line southbound platform converted into passenger concourse



Central line link moving walkways

LEGEND

New station public area

Note:
Drawing not to scale

Source:
WilkinsonEyre.Architects

Purpose of Issue
FINAL



Project Title
**BANK STATION
CAPACITY UPGRADE WORKS**

Drawing Title
**3D VISUALISATION:
PROPOSED STATION
PUBLIC AREAS**

Drawn JW	Checked EP	Approved SP	Date 15/08/2014
URS Internal Project No. 47067970		Scale @ A3 NTS	

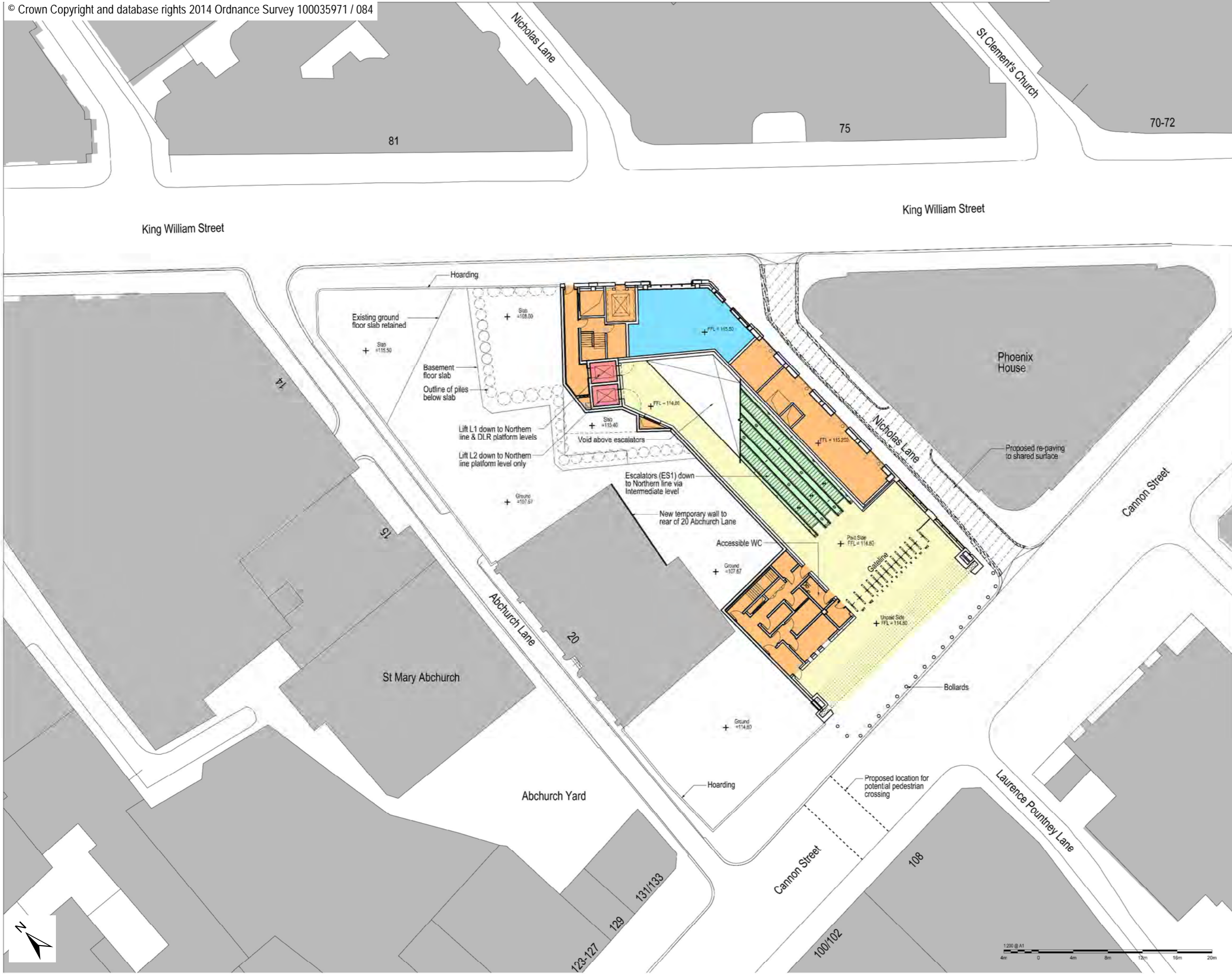
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- LEGEND**
- New station public area
 - New escalators
 - New passenger lifts
 - New operational facilities
 - New ancillary retail (accessible from street only)

Note:
FFL = Finished Floor Level

Source:
WilkinsonEyre.Architects

Purpose of Issue
FINAL

Client




Project Title
**BANK STATION
CAPACITY UPGRADE WORKS**

Drawing Title
**GROUND LEVEL PLAN
PROPOSED**

Drawn JW	Checked EP	Approved SP	Date 18/08/2014
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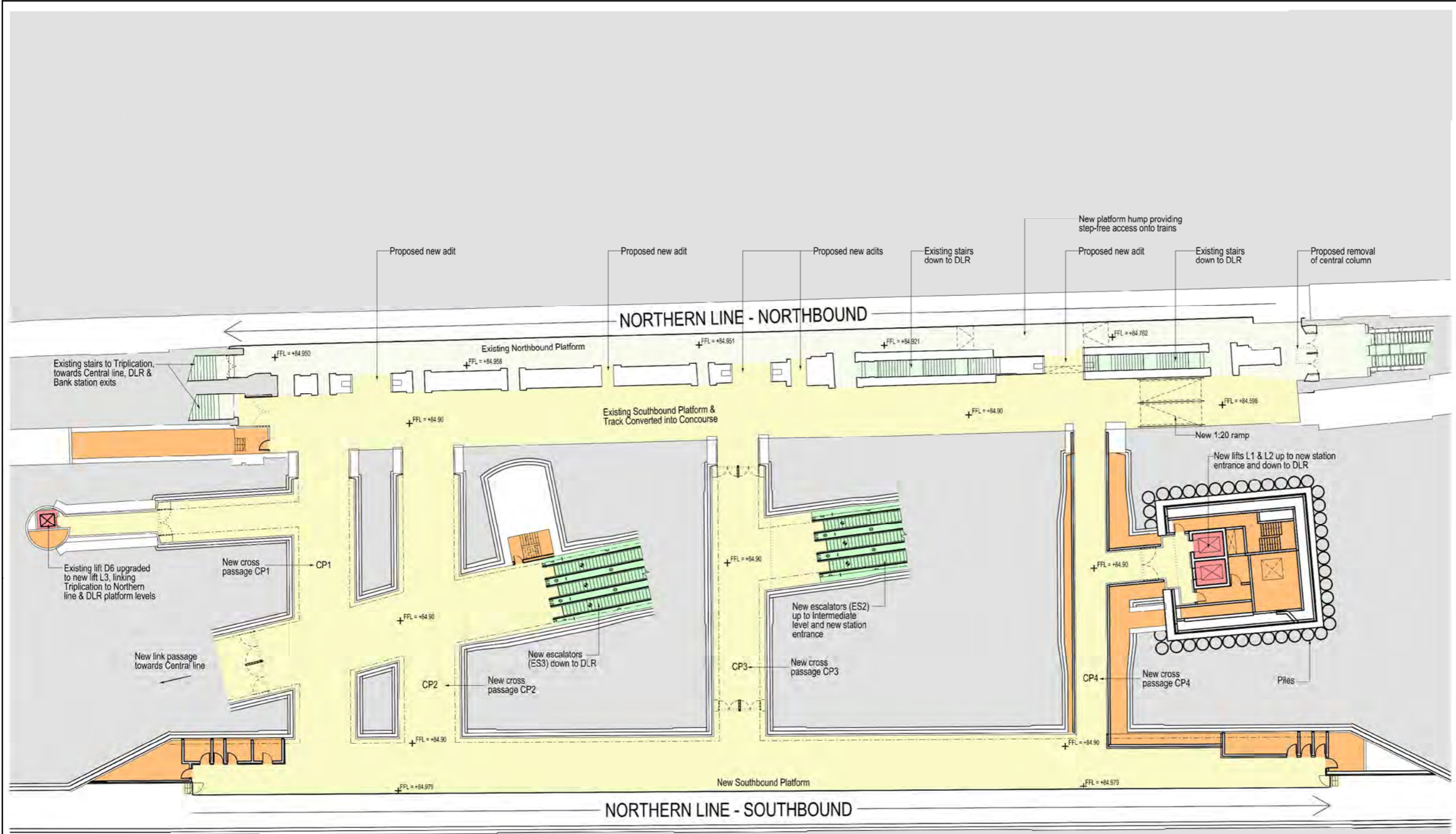
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FIGURE 4.3

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Document Path: I:\5004 - Information Systems\47067970 Bank_Station\project_files\MXDs\TVAOIES\Chapter 4 The Proposed Development\Figure 4.4 Northern Line Platform Level Plan Proposed.mxd



- LEGEND**
- Existing station public area
 - Existing escalators & public stairs
 - New station public area
 - New escalators
 - New passenger lifts
 - New operational facilities

Note:
FFL = Finished Floor Level

Source:
WilkinsonEyre.Architects

Purpose of Issue
FINAL



Project Title
**BANK STATION
CAPACITY UPGRADE WORKS**

Drawing Title
**NORTHERN LINE
PLATFORM LEVEL PLAN
PROPOSED**

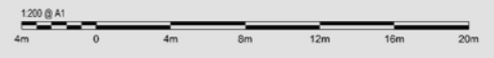
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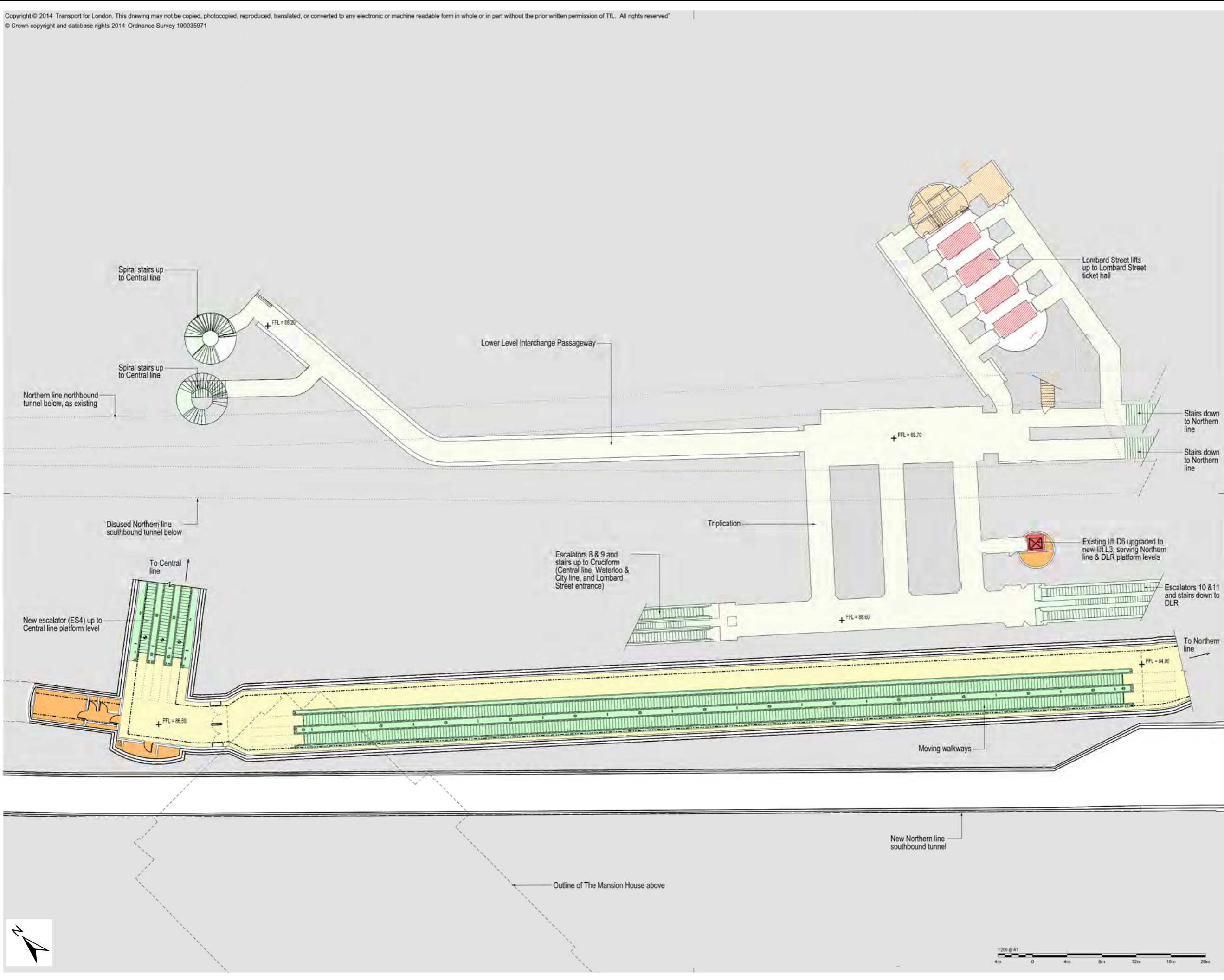
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FIGURE 4.4



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- LEGEND**
- Existing station public area
 - Existing escalators & public stairs
 - New passenger lifts
 - New operational facilities
 - New station public area
 - New escalators/moving walkways
 - New passenger lifts
 - New operational facilities

Note:
 FFL = Finished Floor Level

Source:
WilkinsonEyre.Architects

Purpose of Issue
 FINAL



Project Title
**BANK STATION
 CAPACITY UPGRADE WORKS**

Drawing Title
**CENTRAL LINE LINK PLAN
 PROPOSED**

Drawn JW	Checked EP	Approved SP	Date 14/08/2014
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FIGURE 4.5



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LEGEND

- Existing station public area
- Existing escalators & public stairs
- New station public area
- New escalators

Note:
 FFL = Finished Floor Level
 LLIP = Lower Level Interchange Passageway

Source:
 WilkinsonEyre.Architects

Purpose of Issue:
 FINAL

Client:

Project Title:
 BANK STATION
 CAPACITY UPGRADE WORKS

Drawing Title:
 CENTRAL LINE
 PLATFORM LEVEL PLAN
 PROPOSED

Drawn: JW	Checked: EP	Approved: SP	Date: 14/08/2014
URS Internal Project No.: 47067970		Scale @ A1: 1:200	

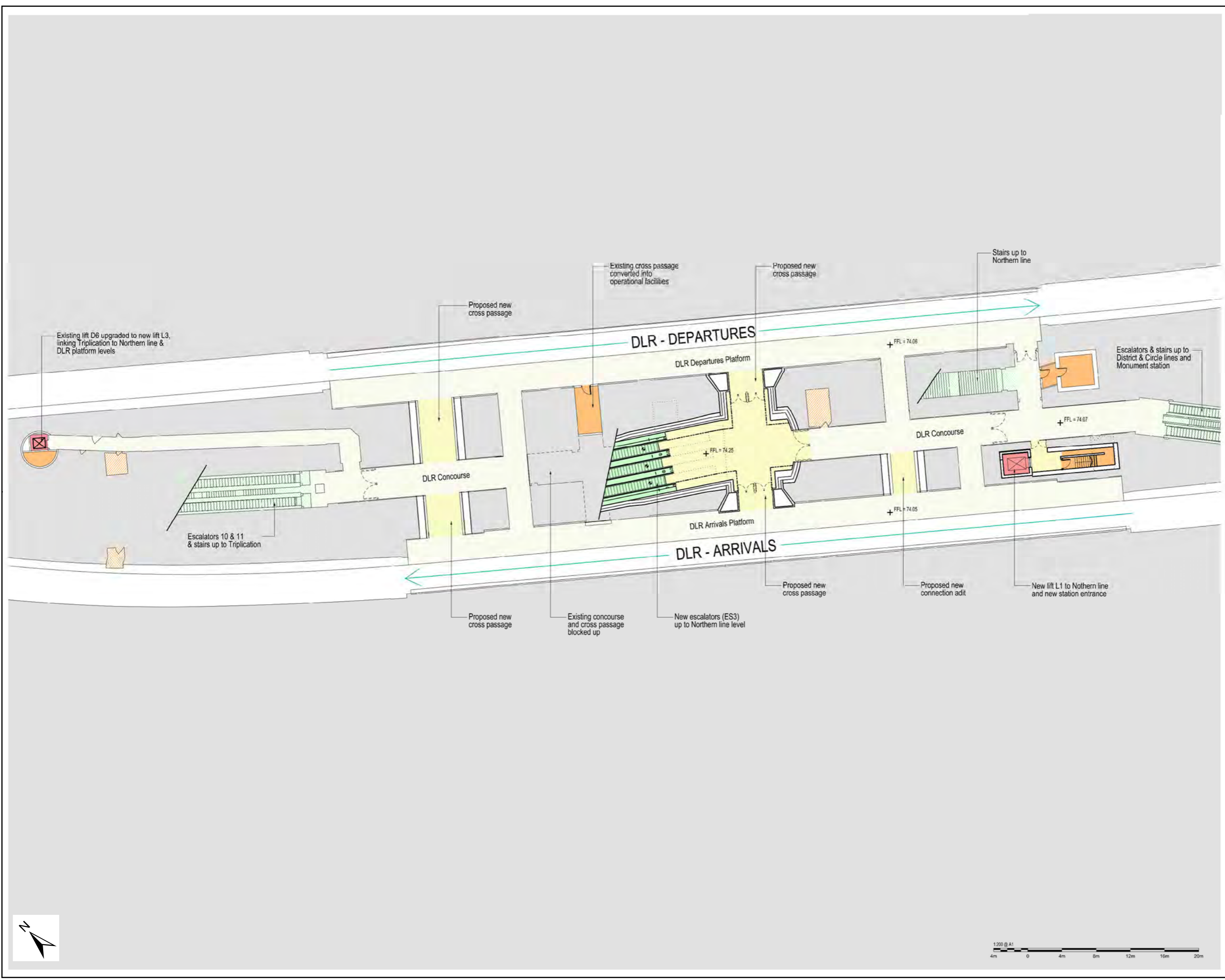
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Drawing Number: FIGURE 4.6



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LEGEND

- Existing station public area
- Existing escalators & public stairs
- Existing operational facilities
- New station public area
- New escalators
- New passenger lifts
- New operational facilities

Note:
FFL = Finished Floor Level

Source:
WilkinsonEyre.Architects

Purpose of Issue
FINAL

Client




Project Title
**BANK STATION
CAPACITY UPGRADE WORKS**

Drawing Title
**DLR PLATFORM LEVEL PLAN
PROPOSED**

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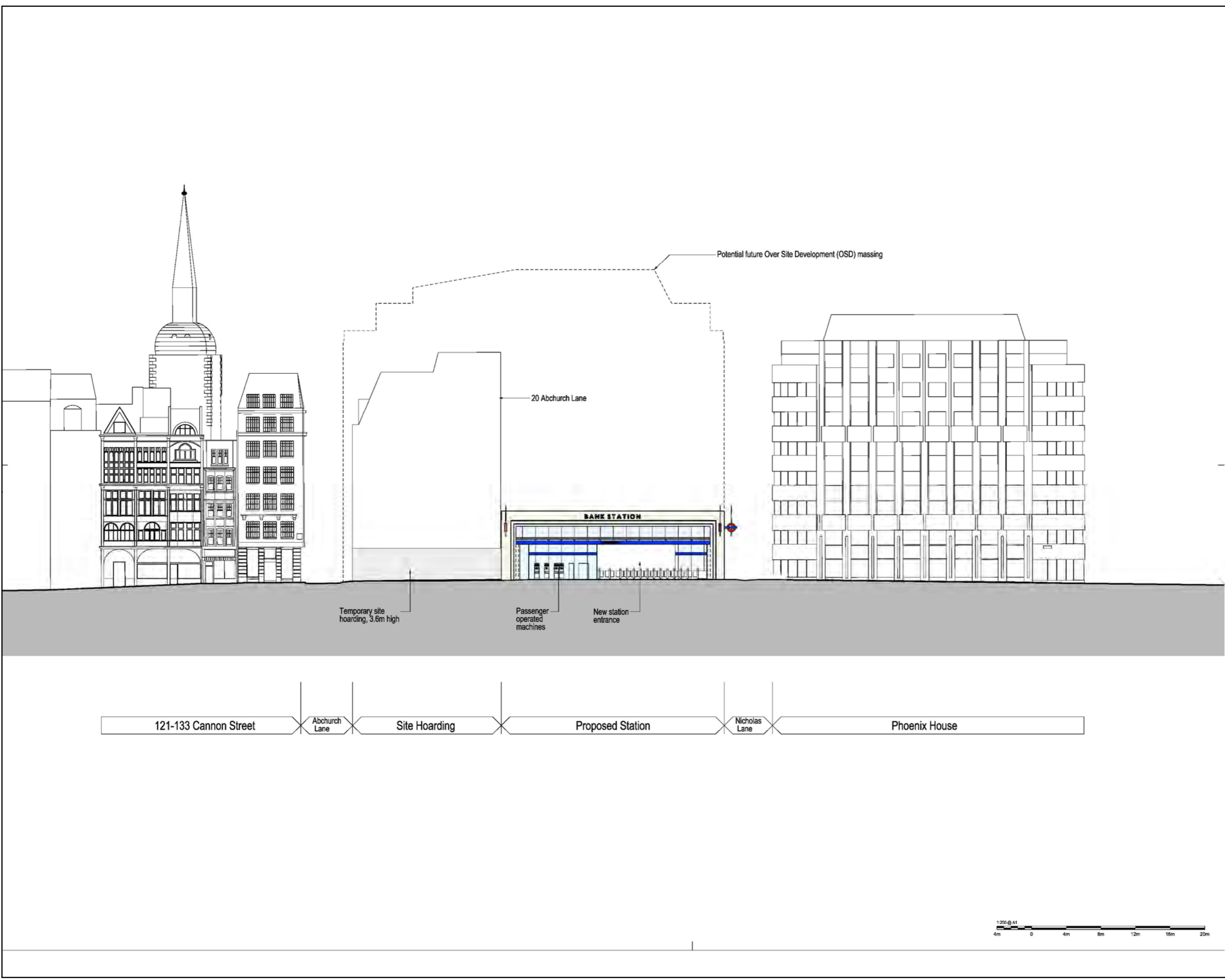
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FIGURE 4.7



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LEGEND

Source:
WilkinsonEyre.Architects

Purpose of Issue
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Project Title
**BANK STATION
 CAPACITY UPGRADE WORKS**

Drawing Title
**PROPOSED CANNON STREET
 ELEVATION**

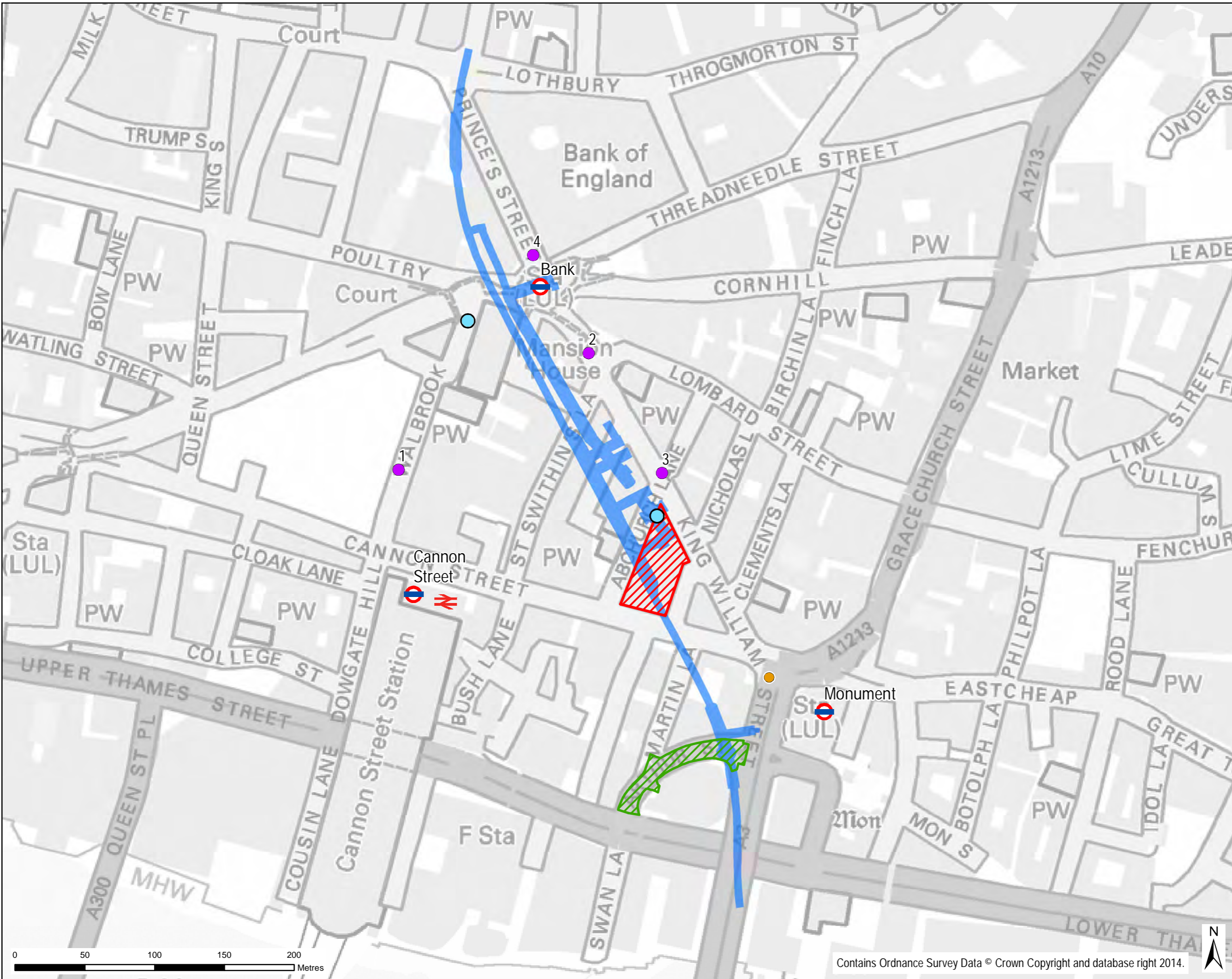
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Drawing Number
FIGURE 4.8

Rev



LEGEND

- London Underground Station
- National Rail Station
- Whole Block Site
- Arthur Street Work Site
- Below ground works
*these include temporary and permanent works
- Main utilities work sites
 - 1 - Low Level 2 Sewer shaft (new)
 - 2 - London Bridge Sewer shaft (existing)
 - 3 - Low Level 2 Sewer emergency access/egress (existing)
 - 4 - London Bridge Sewer emergency access/egress (existing)
- Monument Junction utilities strengthening works
- Potential compensation grout shafts
- Whole Block Site and work site boundaries are indicative

Purpose of Issue: FINAL

Client:

Project Title:
BANK STATION
CAPACITY UPGRADE PROJECT

Drawing Title:
BSCU WORK SITE LOCATIONS

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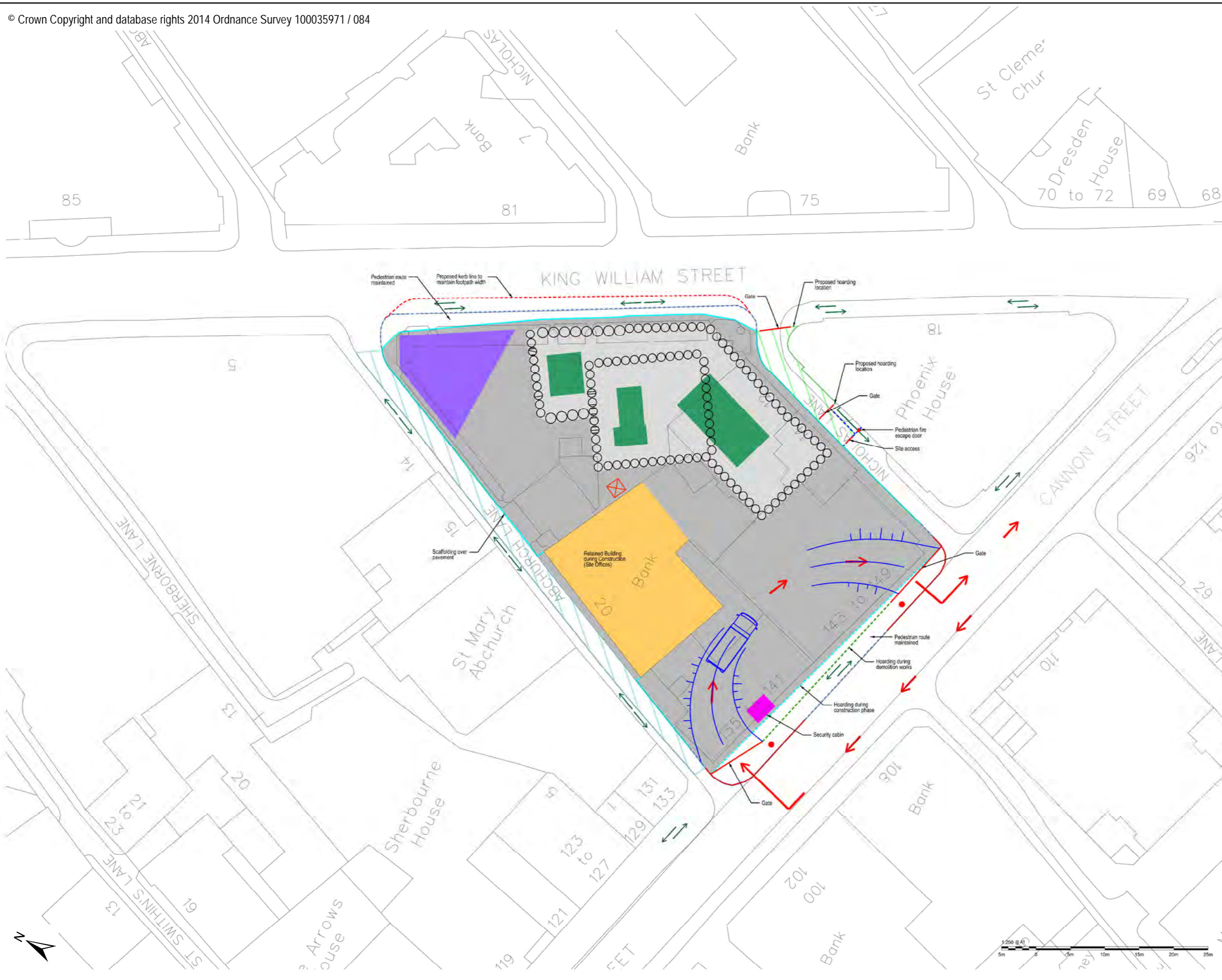
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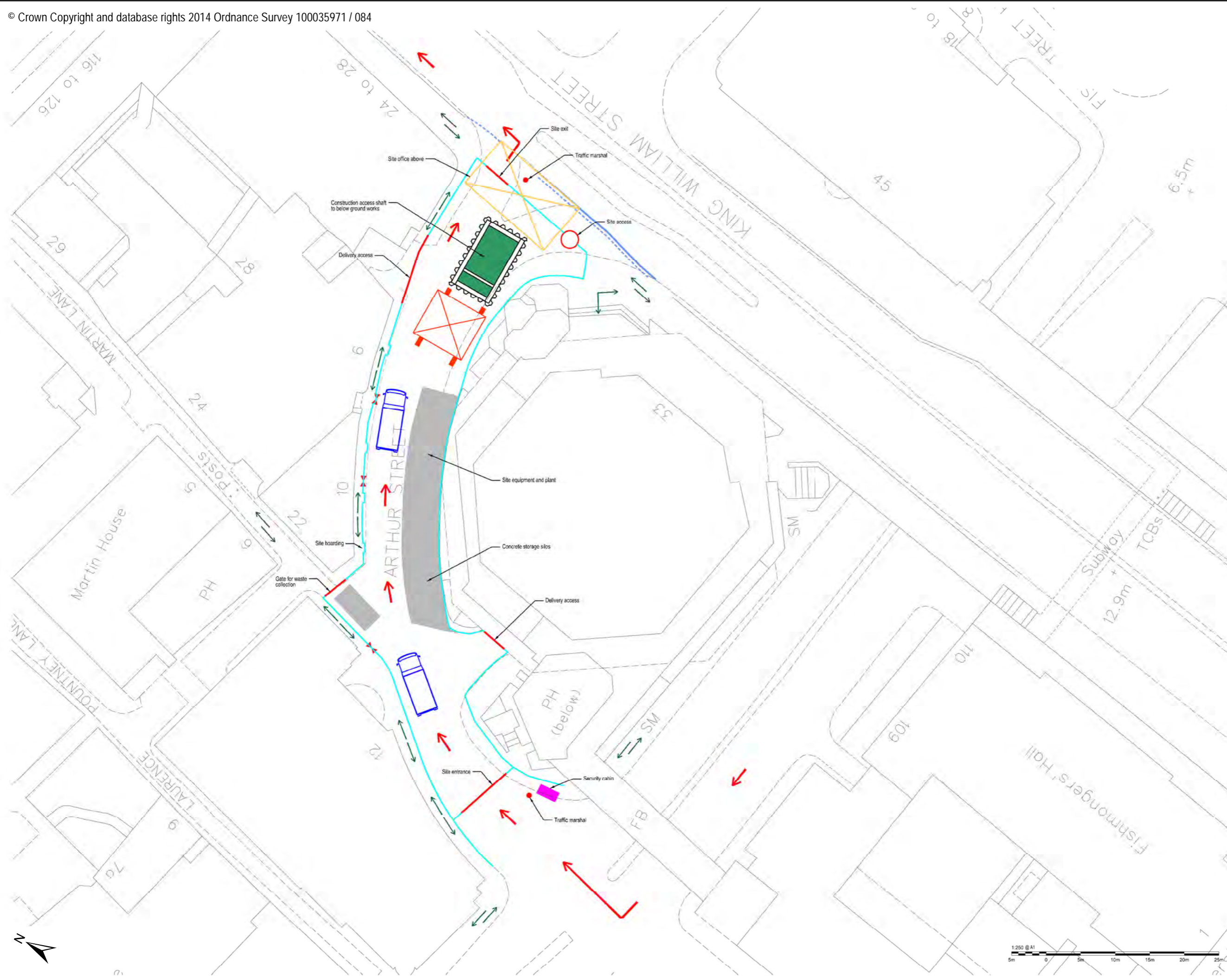


LEGEND

- Potential location of the grouting shaft
- Security Cabin
- Construction access void
- 20 Abchurch Lane - to be retained for use as a project office during construction
- Construction working area
- Construction plant and storage area
- Vehicle Access
- Pile Location
- Site Hoarding during demolition (pedestrian flow maintained)
- Site Hoarding during construction
- Road closed during demolition phase
- Road closed on occasion during demolition phase, but not when Nicholas Lane is closed.
- ⊠ Tower Crane
- Site Traffic Flow
- Pedestrian Flow
- Traffic Marshal
- Alternative Hoarding
- Proposed kerb line to maintain footpath width
- Hoarding during demolition works

This drawing represents the peak construction phase on the basis of the Information currently available

Purpose of Issue			
FINAL			
Client			
Project Title			
BANK STATION CAPACITY UPGRADE WORKS			
Drawing Title			
WHOLE BLOCK SITE LAYOUT PLAN ILLUSTRATION			
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JW	EP	SP	18/08/2014
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Drawing Number			Rev
FIGURE 4.10			



- LEGEND**
- Security Cabin
 - Construction access void
 - Site Office (Overhead)
 - Construction plant and storage area
 - Gantry Crane (Overhead)
 - Site Access
 - Site Access
 - Site Hoarding
 - Road Safety Barrier
 - Pedestrian Safety Barrier
 - Arthur Street Shaft
 - Site Traffic Flow
 - Pedestrian Flow
 - Traffic Marshal
 - London Fire Brigade Access Point

This drawing represents the peak construction phase on the basis of the Information currently available

Purpose of Issue
FINAL



Project Title
**BANK STATION
CAPACITY UPGRADE WORKS**

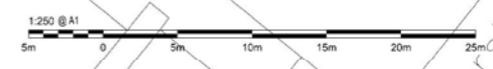
Drawing Title
**ARTHUR STREET WORK SITE
LAYOUT PLAN ILLUSTRATION**

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URS Internal Project No. 47067970		Scale @ A1 1:250	

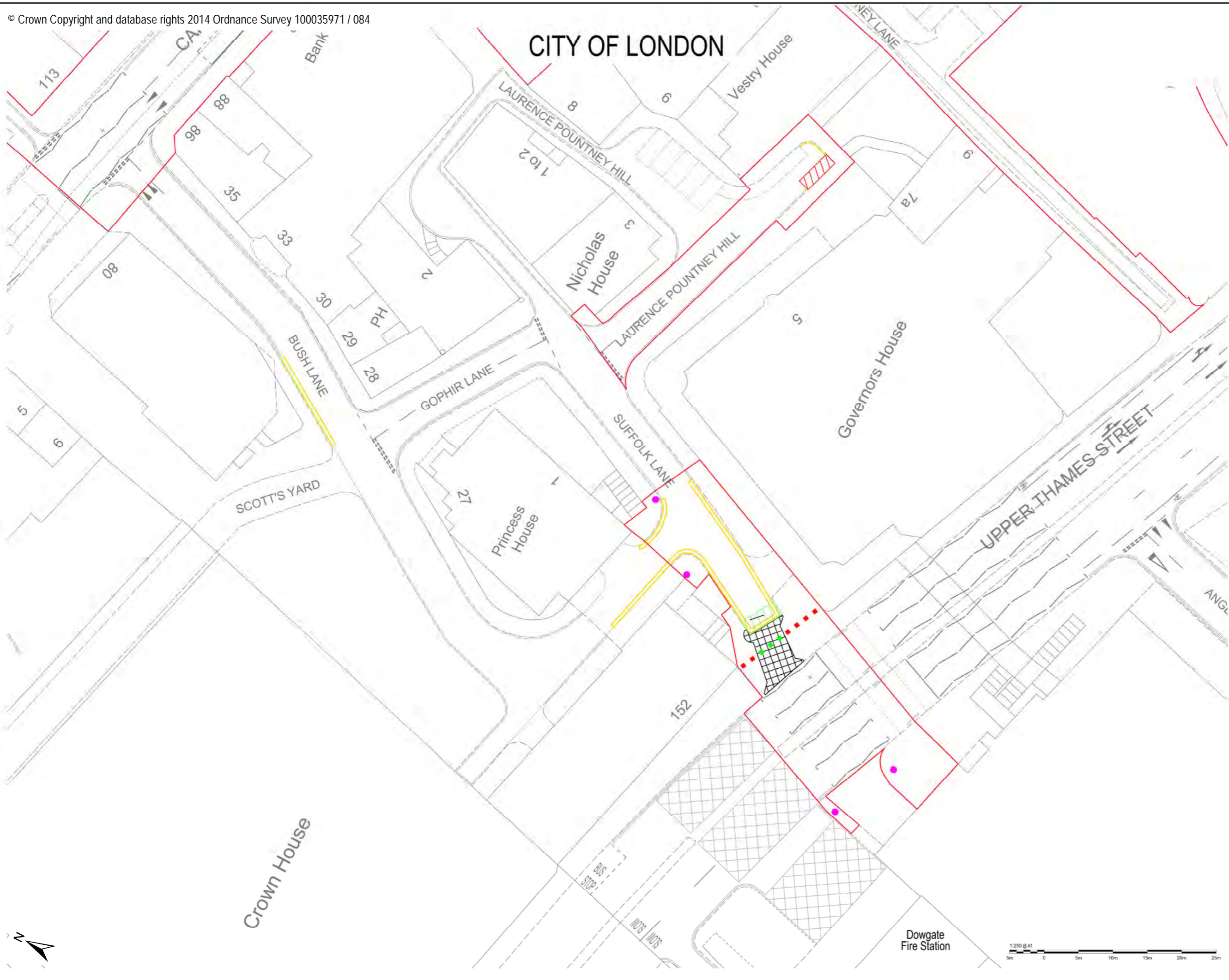
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FIGURE 4.11



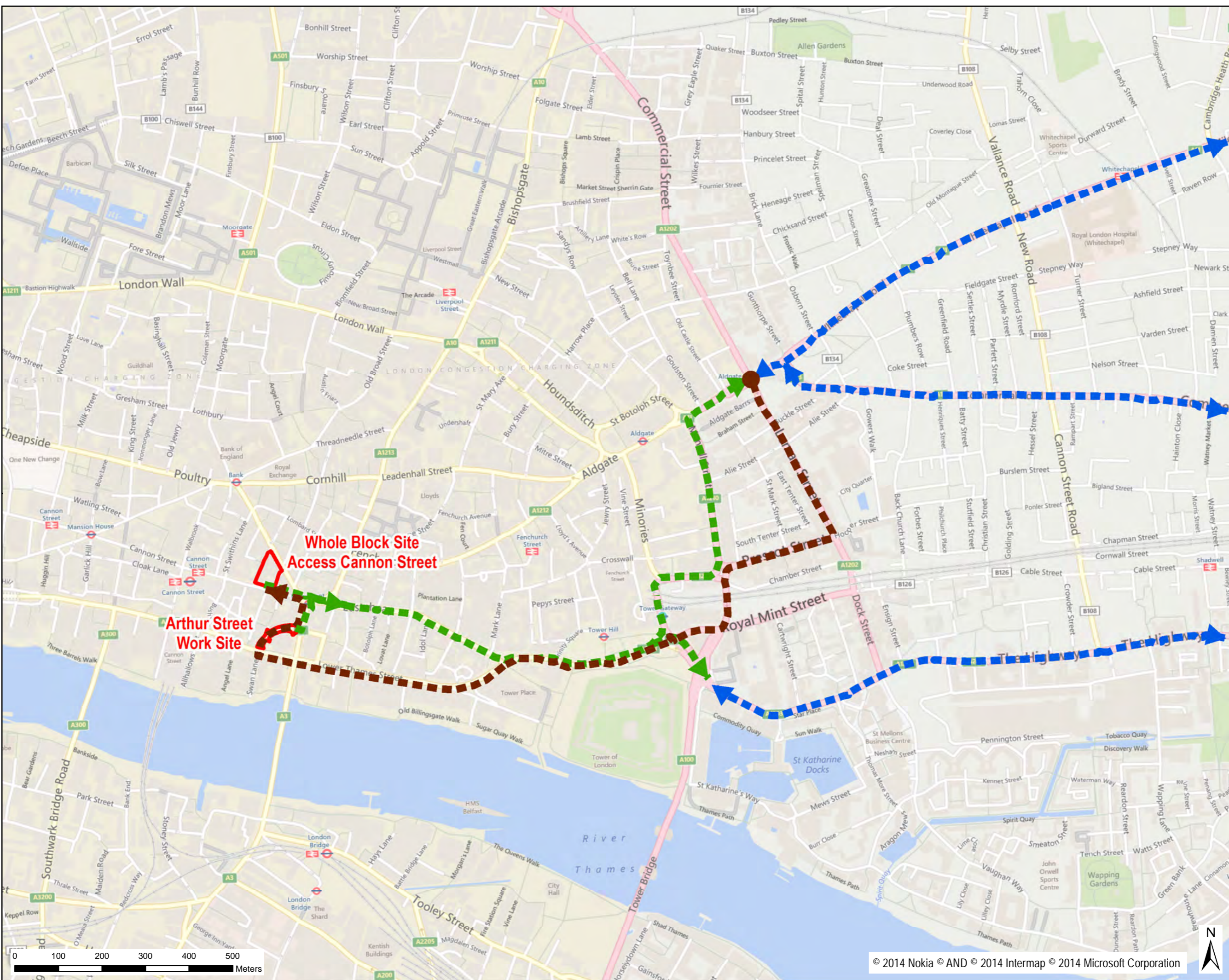
CITY OF LONDON



- LEGEND**
- Bollards to remain
 - Bollards to be removed
 - New CCTV
 - New double yellow line. No waiting & no loading restrictions
 - New single yellow line. No waiting & no loading restrictions
 - XXXX New strengthened bituminous vehicular crossover
 - XXXX New motorcycle parking location
 - XXXX Motorcycle parking area to be removed
 - Order limits

Purpose of Issue			
FINAL			
Client			
Project Title			
BANK STATION CAPACITY UPGRADE WORKS			
Drawing Title			
SUFFOLK LANE WORKS & ASSOCIATED TRAFFIC MANAGEMENT LAYOUT PLAN			
Drawn	Checked	Approved	Date
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FIGURE 4.12			

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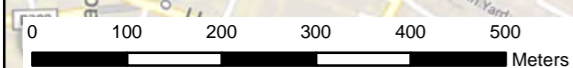


LEGEND

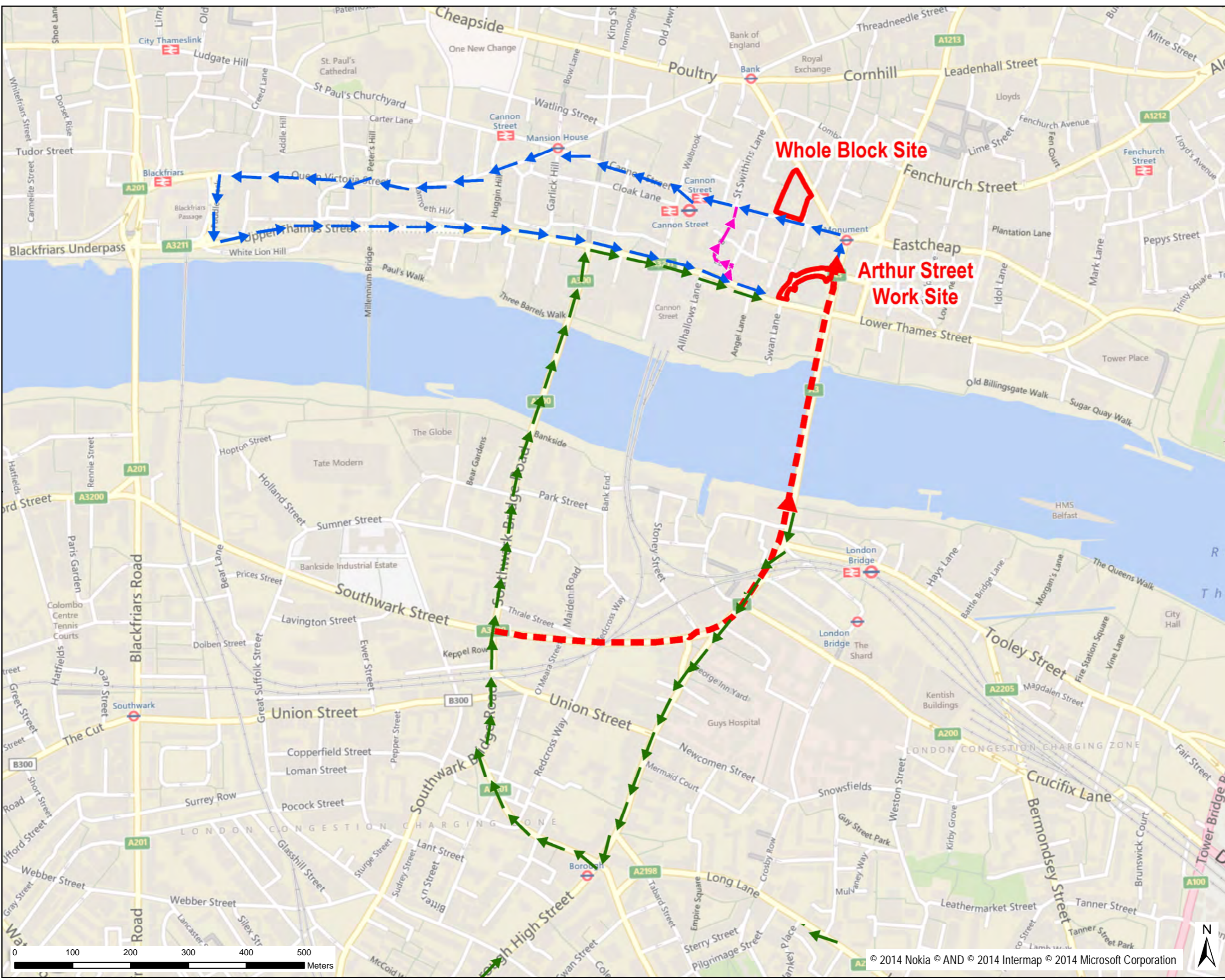
- BSCU Main Work Sites
- Proposed inbound route Westbound
- Proposed outbound route Eastbound
- Proposed inbound and outbound route

- Whole Block Site and work site boundaries are indicative

Purpose of Issue	FINAL		
Client	 		
Project Title	BANK STATION CAPACITY UPGRADE WORKS		
Drawing Title	STRATEGIC LORRY ROUTES		
Drawn	Checked	Approved	Date
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Drawing Number	FIGURE 4.13		Rev



Document Path: I:\5004 - Information Systems\47067970 Bank_Station\project_files\MXD\TWA\OIES\Chapter 4 The Proposed Development\Figure 4.14 Arthur Street Traffic Diversions.mxd

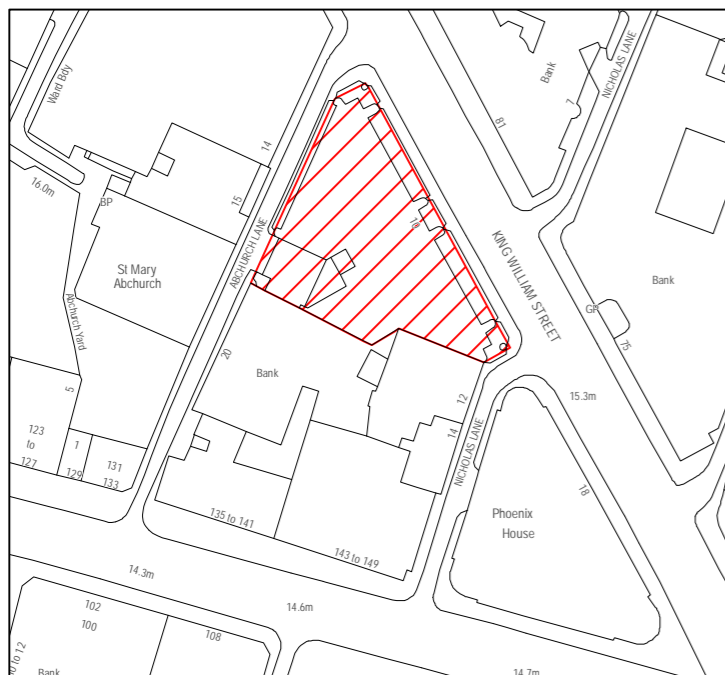


LEGEND

- BSCU Main Work Sites
- ↔ Alternative emergency vehicle access
- Arthur Street General Diverted Traffic Route 1:
 South River Western Loop
 A3 Borough High Street (Southbound) -
 A3201 Marshalsea Road (Westbound) -
 A300 Southwark Bridge Road (Northbound) -
 Upper Thames Street (Eastbound) - Return
 Arthur Street (South).
- Arthur Street General Diverted Traffic Route 2:
 North River Western Loop
 Cannon Street (Westbound) -
 Queen Victoria Street (Westbound) -
 Puddle Dock (Southbound) -
 Castle Baynard Street (Eastbound) -
 Upper Thames Street (Eastbound) -
 Return Arthur Street (South)
- Proposed Diversion
 London Bus Route 344
 Northbound
 Leave existing route to avoid
 Southwark Bridge - continue
- - - Southwark Street (northbound) -
 Southwark High Street (Northbound) -
 A3 London Bridge (Northbound) -
 return to original route North of
 Arthur Street
- Whole Block Site and work site boundaries are indicative

Purpose of Issue				FINAL
Client				
Project Title				BANK STATION CAPACITY UPGRADE WORKS
Drawing Title				ARTHUR STREET TRAFFIC DIVERSIONS
Drawn JW	Checked EP	Approved SP	Date 15/08/2014	
URS Internal Project No. 47067970		Scale @ A1 1:200		
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Drawing Number			Rev	
FIGURE 4.14				





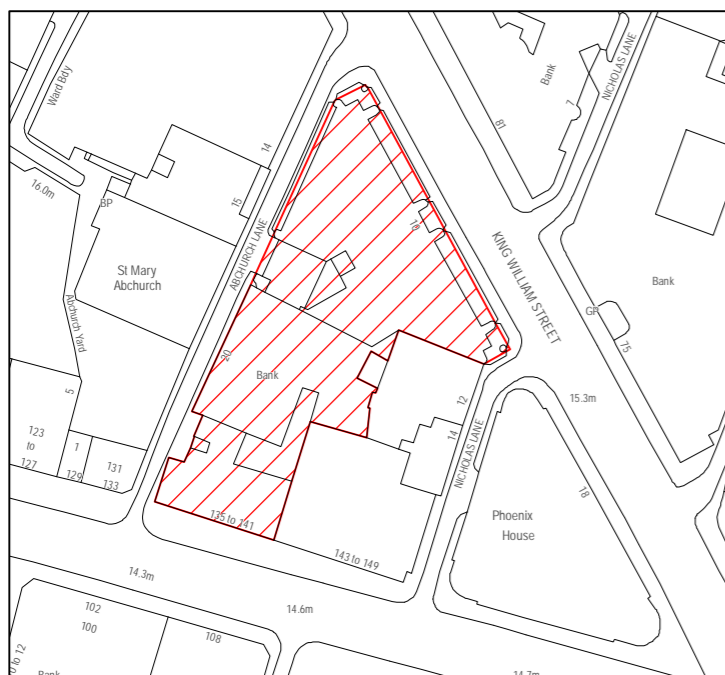
Option 1 - 10 King William Street



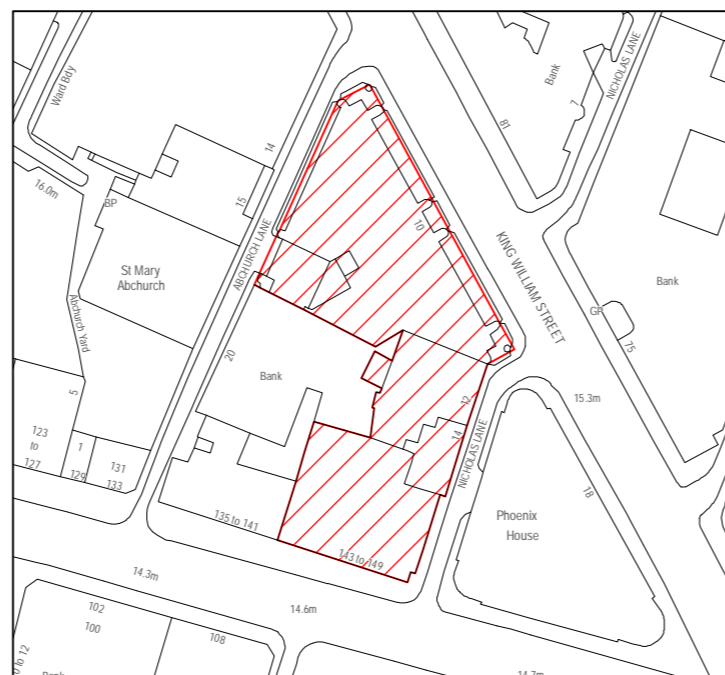
Option 2 - 10 King William Street + 20 Abchurch Lane



Option 3 - 10 King William Street + 20 Abchurch Lane + 12 - 14 Nicholas Lane



Option 4 - 10 King William Street + 20 Abchurch Lane + 135 - 141 Cannon Street



Option 5 - 10 King William Street + 12 - 14 Nicholas Lane + 143 - 149 Cannon Street



Option 6 - Whole Block

LEGEND
 Land Assembly Option

Purpose of Issue
FINAL



Project Title
**BANK STATION
 CAPACITY UPGRADE
 PROJECT**

Drawing Title
MAIN WORKSITE OPTIONS

Drawn JM	Checked FW	Approved SP	Date 18/08/2014
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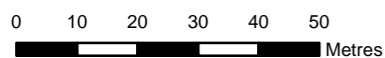
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47067970 Scale @ A3
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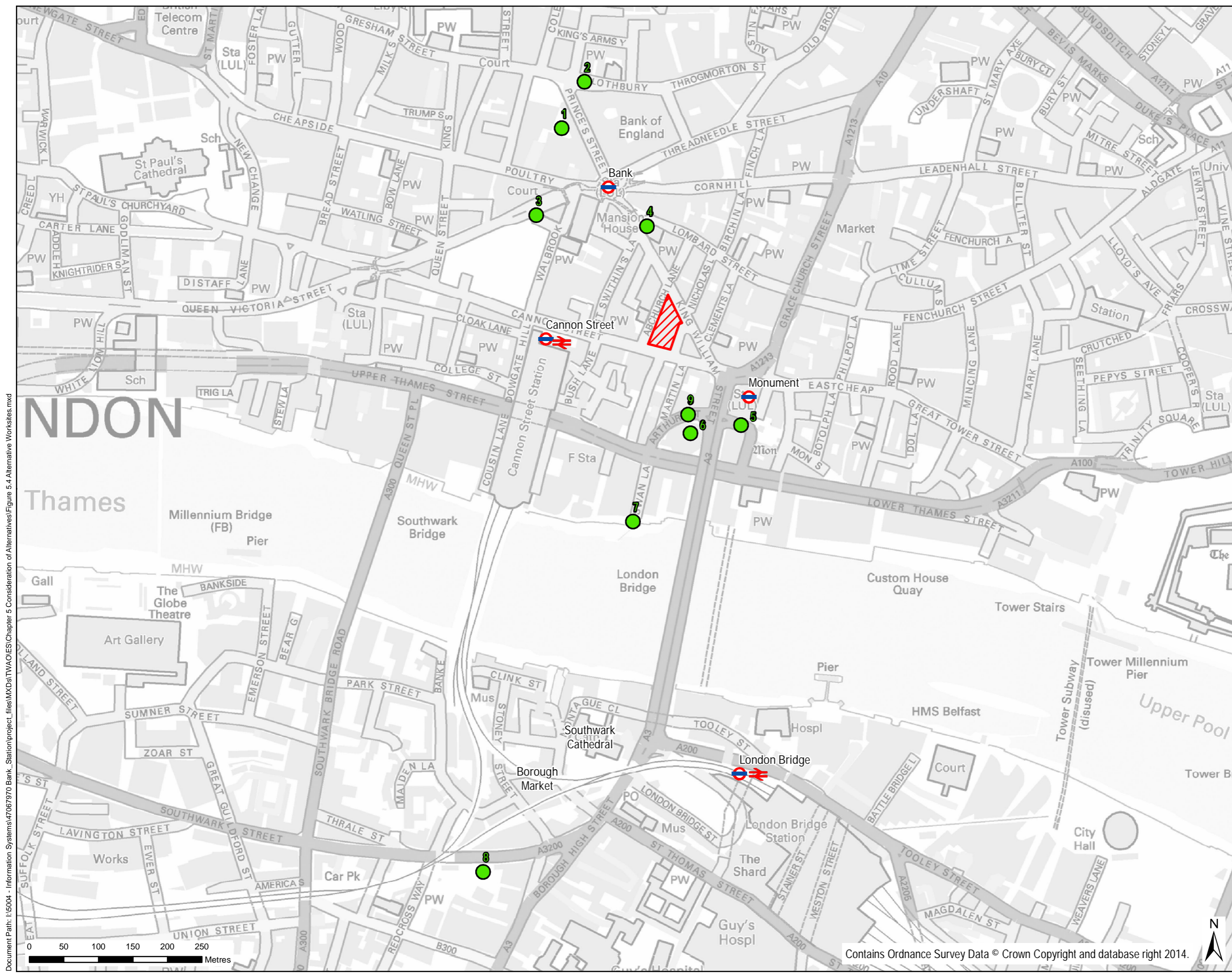
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Drawing Number FIGURE 5.3	Rev
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- LEGEND**
- London Underground Station
 - National Rail Station
 - Whole Block Site
 - Alternative Work Sites
- Northern Cluster**
- 1 - Worshipful Company of Grocers
 - 2 - Lothbury
 - 3 - Bucklersbury
 - 4 - Lombard Street
- Southern Cluster**
- 5 - Monument Street / Fish Street Hill
 - 6 - 33 King William Street
 - 7 - Swan Lane
 - 8 - Redcross Way
 - 9 - Arthur Street
- Whole Block Site and work site boundaries are indicative







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Purpose of Issue				FINAL
Client				
Project Title				BANK STATION CAPACITY UPGRADE PROJECT
Drawing Title				ALTERNATIVE WORK SITES
Drawn	Checked	Approved	Date	
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Drawing Number				
FIGURE 5.4				



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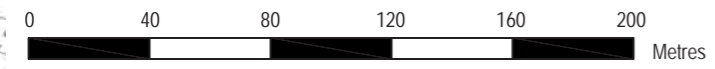




- LEGEND**
-  Whole Block Site
 -  Arthur Street Work Site
 -  200m Study Area
 -  Main utilities work sites
 -  Potential compensation grout shaft
 -  Monument Junction utilities strengthening works

Whole Block Site and Work Site boundaries are indicative

Purpose of Issue				FINAL
Client				 
Project Title				BANK STATION CAPACITY UPGRADE PROJECT
Drawing Title				TOWNSCAPE AND VISUAL IMPACT ASSESSMENT STUDY AREA
Drawn	Checked	Approved	Date	
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Drawing Number				Rev
FIGURE 7.1				

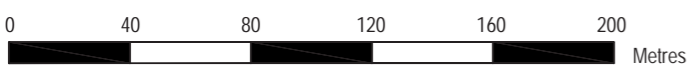











- LEGEND**
- Whole Block Site
 - Arthur Street Work Site
 - 200m Study Area
 - Representative Viewpoint location and direction of view
 - Key views shown in Bank Conservation Area SPD
 - Main utilities work sites
 - Potential compensation grout shaft
 - Monument Junction utilities strengthening works

Whole Block Site and Work Site boundaries are indicative



Purpose of Issue				FINAL
Client				
Project Title				BANK STATION CAPACITY UPGRADE PROJECT
Drawing Title				TOWNSCAPE AND VISUAL IMPACT ASSESSMENT REPRESENTATIVE VIEWPOINTS
Drawn	Checked	Approved	Date	
TR	EH	EH	21.07.2014	
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Drawing Number				FIGURE 7.2
Drawing Number				Rev



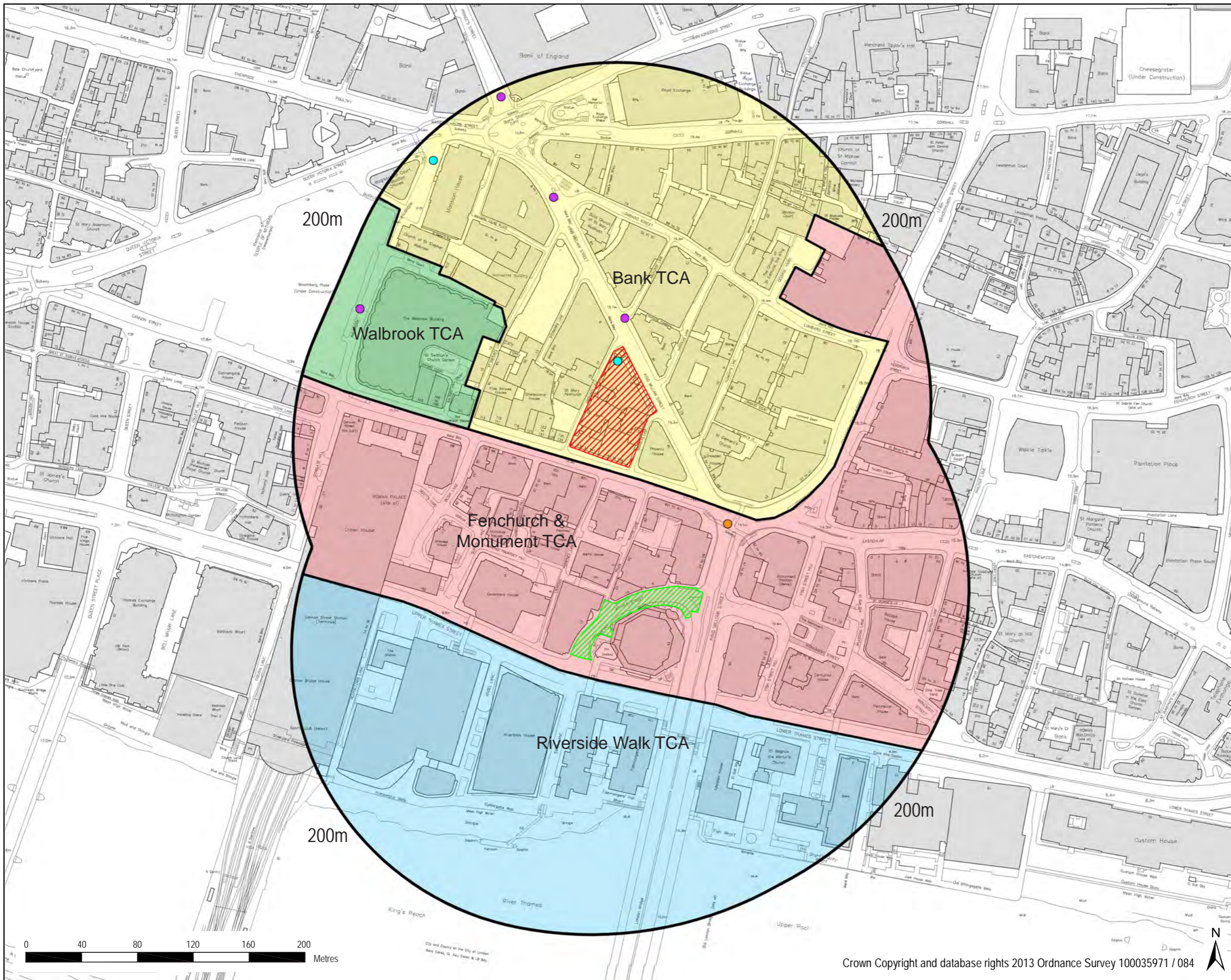


- LEGEND**
-  Whole Block Site
 -  Arthur Street Work Site
 -  200m Study Area
 -  Conservation Areas (as named on plan)
 -  Main utilities work sites
 -  Potential compensation grout shaft
 -  Monument Junction utilities strengthening works

Whole Block Site and Work Site boundaries are indicative

Purpose of Issue				FINAL
Client				 
Project Title				BANK STATION CAPACITY UPGRADE PROJECT
Drawing Title				TOWNSCAPE AND VISUAL IMPACT ASSESSMENT CONSERVATION AREAS
Drawn	Checked	Approved	Date	
TR	EH	EH	21.07.2014	
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Drawing Number				Rev
FIGURE 7.3				

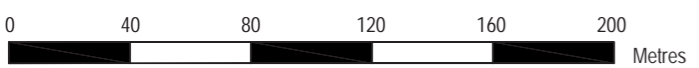




- LEGEND**
- Whole Block Site
 - Arthur Street Work Site
 - 200m Study Area
 - Bank TCA
 - Fenchurch & Monument TCA
 - Walbrook TCA
 - Riverside Walk TCA
 - Main utilities work sites
 - Potential compensation grout shaft
 - Monument Junction utilities strengthening works

Whole Block Site and Work Site boundaries are indicative

Purpose of Issue	FINAL			
Client	 			
Project Title	BANK STATION CAPACITY UPGRADE PROJECT			
Drawing Title	TOWNSCAPE AND VISUAL IMPACT ASSESSMENT TOWNSCAPE CHARACTER AREAS			
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Drawing Number				Rev
FIGURE 7.4				





- LEGEND**
- Whole Block Site
 - Arthur Street Work Site
 - 200m Study Area
 - ZVI of Whole Block Site
 - ZVI of Arthur Street Work Site
 - Main utilities work sites
 - Potential compensation grout shaft
 - Monument Junction utilities strengthening works

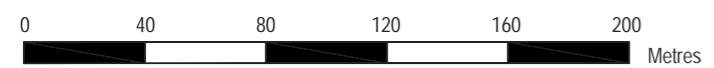
Whole Block Site and Work Site boundaries are indicative



Purpose of Issue				FINAL
Client				
Project Title				BANK STATION CAPACITY UPGRADE PROJECT
Drawing Title				TOWNSCAPE AND VISUAL IMPACT ASSESSMENT ZVI (STREET LEVEL) AT CONSTRUCTION
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Drawing Number			Rev	
FIGURE 7.5				



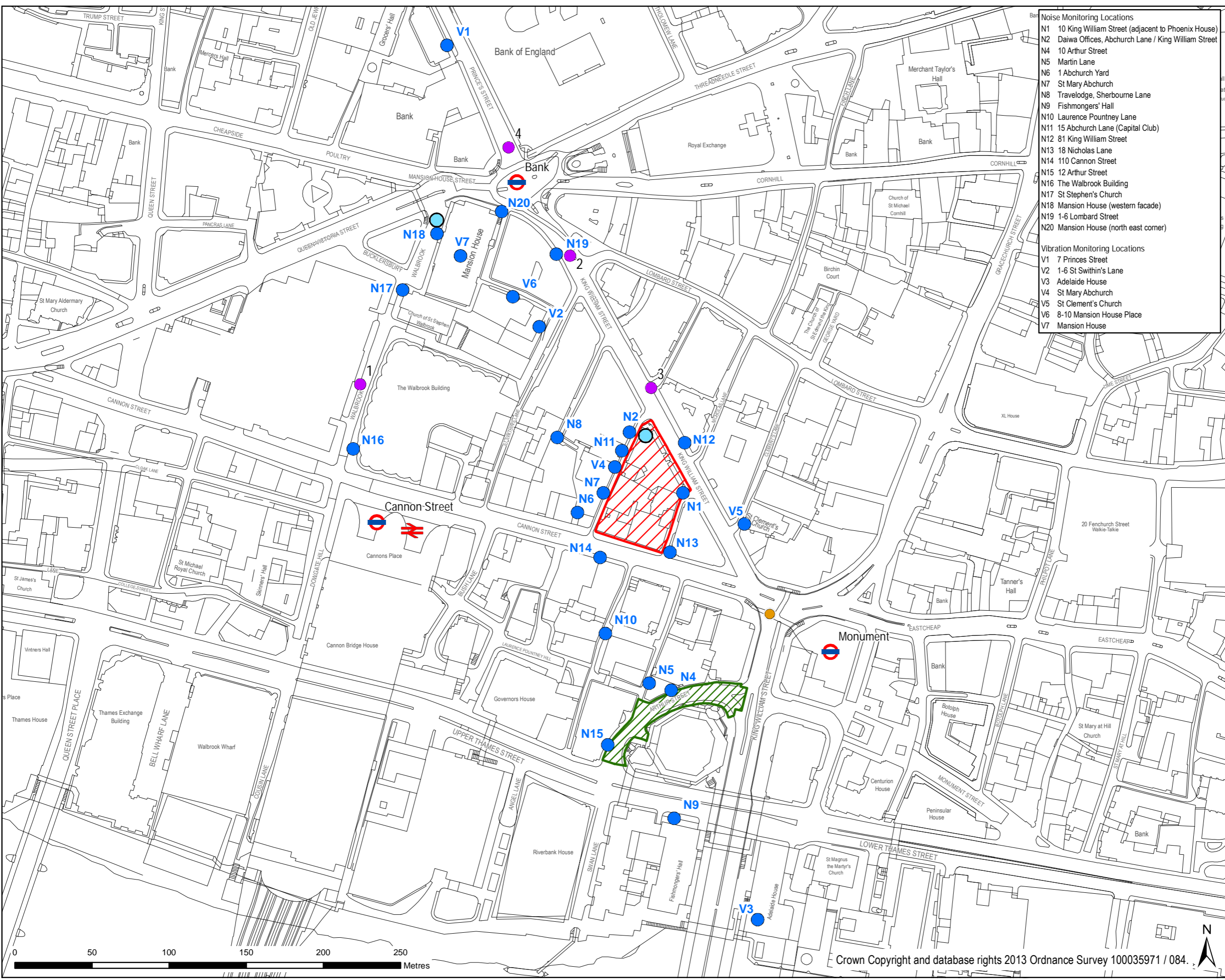
LEGEND

- Station Entrance Hall
- 200m Study Area
- ZVI of Station Entrance Hall



Purpose of Issue				FINAL
Client				 
Project Title				BANK STATION CAPACITY UPGRADE PROJECT
Drawing Title				TOWNSCAPE AND VISUAL IMPACT ASSESSMENT ZVI (STREET LEVEL) ON COMPLETION
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Drawing Number				Rev
FIGURE 7.6				





- Noise Monitoring Locations**
- N1 10 King William Street (adjacent to Phoenix House)
 - N2 Daiwa Offices, Abchurch Lane / King William Street
 - N4 10 Arthur Street
 - N5 Martin Lane
 - N6 1 Abchurch Yard
 - N7 St Mary Abchurch
 - N8 Travelodge, Sherbourne Lane
 - N9 Fishmongers' Hall
 - N10 Laurence Pountney Lane
 - N11 15 Abchurch Lane (Capital Club)
 - N12 81 King William Street
 - N13 18 Nicholas Lane
 - N14 110 Cannon Street
 - N15 12 Arthur Street
 - N16 The Walbrook Building
 - N17 St Stephen's Church
 - N18 Mansion House (western facade)
 - N19 1-6 Lombard Street
 - N20 Mansion House (north east corner)
- Vibration Monitoring Locations**
- V1 7 Princes Street
 - V2 1-6 St Swithin's Lane
 - V3 Adelaide House
 - V4 St Mary Abchurch
 - V5 St Clement's Church
 - V6 8-10 Mansion House Place
 - V7 Mansion House

LEGEND

- London Underground Station
- National Rail Station
- Whole Block Site
- Arthur Street Work Site
- Main utilities work sites
- 1 - Low Level 2 Sewer shaft (new)
- 2 - London Bridge Sewer shaft (existing)
- 3 - Low Level 2 Sewer emergency access/egress (existing)
- 4 - London Bridge Sewer emergency access/egress (existing)
- Monument Junction utilities strengthening works
- Potential compensation grout shafts
- Noise and vibration monitoring locations
- Whole Block Site and work site boundaries are indicative

Purpose of Issue: **FINAL**

Client:

Project Title: **BANK STATION CAPACITY UPGRADE PROJECT**

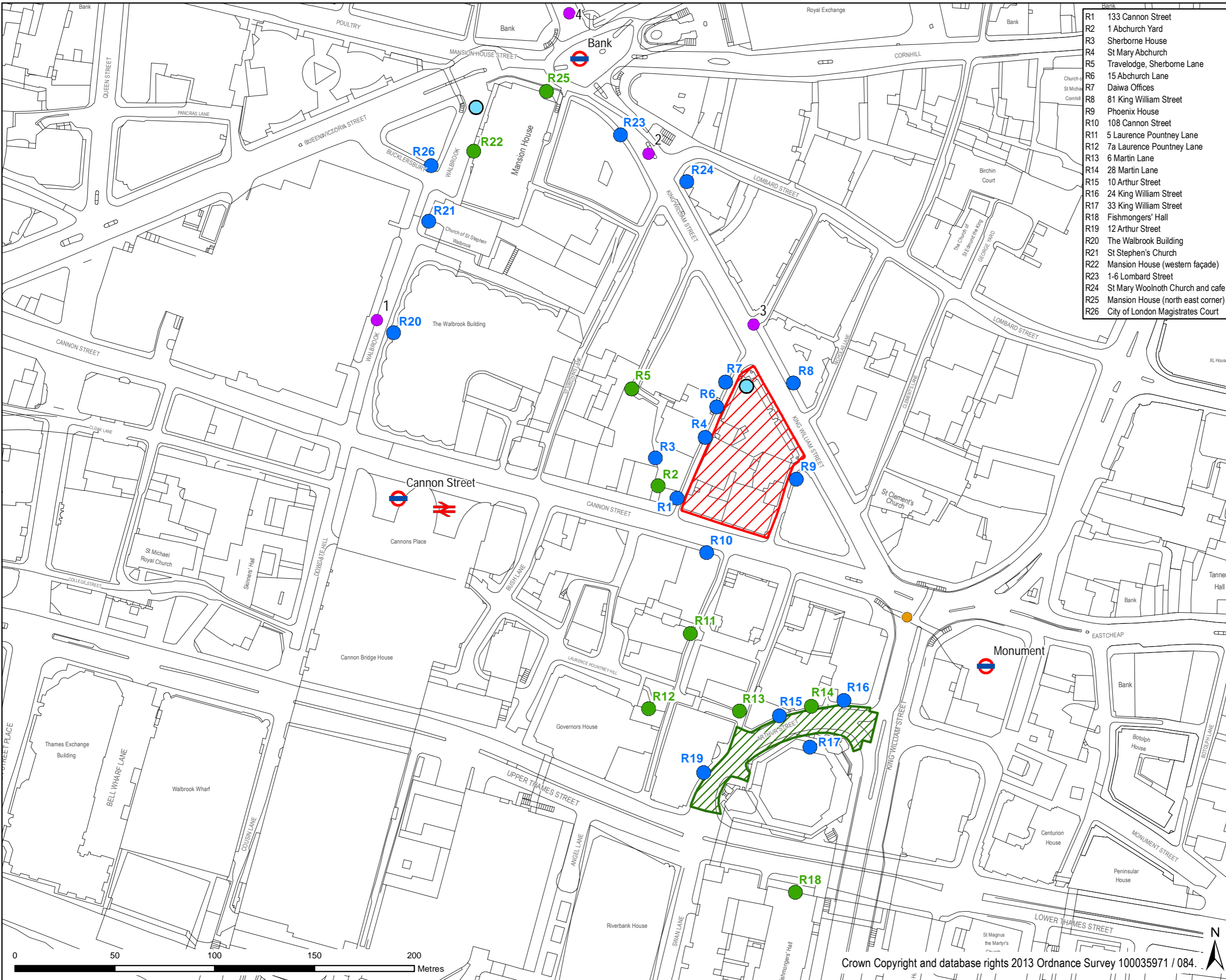
Drawing Title: **APPROXIMATE NOISE AND VIBRATION MONITORING LOCATIONS**

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Drawing Number: **FIGURE 9.1**

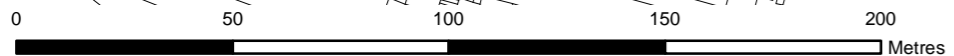


- R1 133 Cannon Street
- R2 1 Abchurch Yard
- R3 Sherborne House
- R4 St Mary Abchurch
- R5 Travelodge, Sherborne Lane
- R6 15 Abchurch Lane
- R7 Daiwa Offices
- R8 81 King William Street
- R9 Phoenix House
- R10 108 Cannon Street
- R11 5 Laurence Pountney Lane
- R12 7a Laurence Pountney Lane
- R13 6 Martin Lane
- R14 28 Martin Lane
- R15 10 Arthur Street
- R16 24 King William Street
- R17 33 King William Street
- R18 Fishmongers' Hall
- R19 12 Arthur Street
- R20 The Walbrook Building
- R21 St Stephen's Church
- R22 Mansion House (western façade)
- R23 1-6 Lombard Street
- R24 St Mary Woolnoth Church and cafe
- R25 Mansion House (north east corner)
- R26 City of London Magistrates Court

LEGEND

- London Underground Station
- National Rail Station
- Whole Block Site
- Arthur Street Work Site
- Main utilities work sites
- 1 - Low Level 2 Sewer shaft (new)
- 2 - London Bridge Sewer shaft (existing)
- 3 - Low Level 2 Sewer emergency access/egress (existing)
- 4 - London Bridge Sewer emergency access/egress (existing)
- Monument Junction utilities strengthening works
- Potential compensation grout shafts
- Non-Residential sensitive receptors
- Residential sensitive receptors

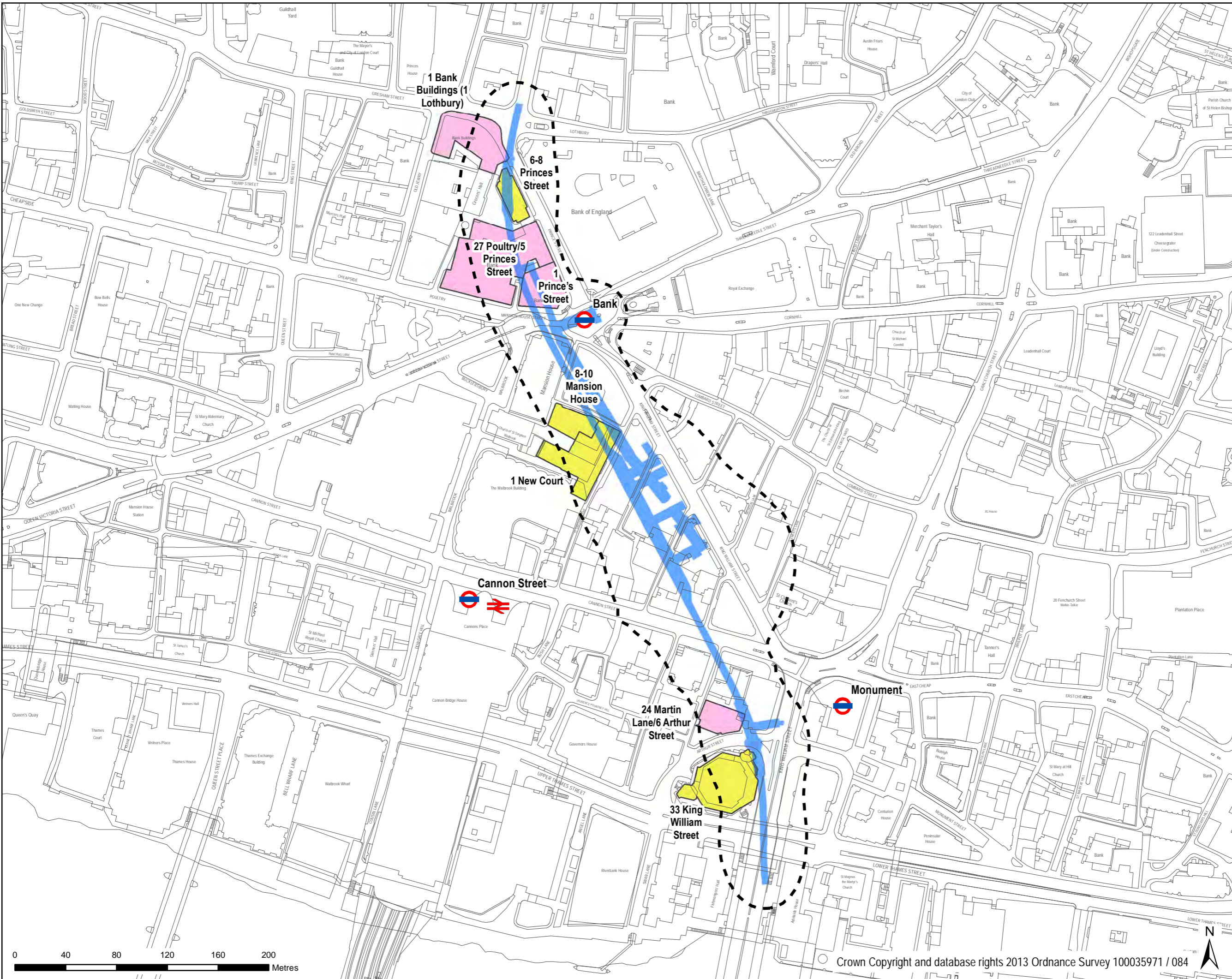
- Whole Block Site and work site boundaries are indicative









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Project Title	BANK STATION CAPACITY UPGRADE PROJECT		
Drawing Title	NOISE AND VIBRATION SENSITIVE RECEPTORS		
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Drawing Number	Rev		
FIGURE 9.2			





LEGEND

-  London Underground Station
-  National Rail Station
-  Below ground works
*these include temporary and permanent works
-  1mm settlement contour
-  Known Pile Interception
-  Possible Pile Interception

Purpose of Issue
FINAL

Client



Project Title
**BANK STATION
CAPACITY UPGRADE PROJECT**

Drawing Title
**KNOWN AND POSSIBLE
PILE INTERCEPTIONS**

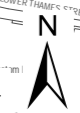
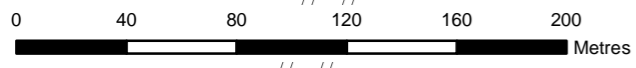
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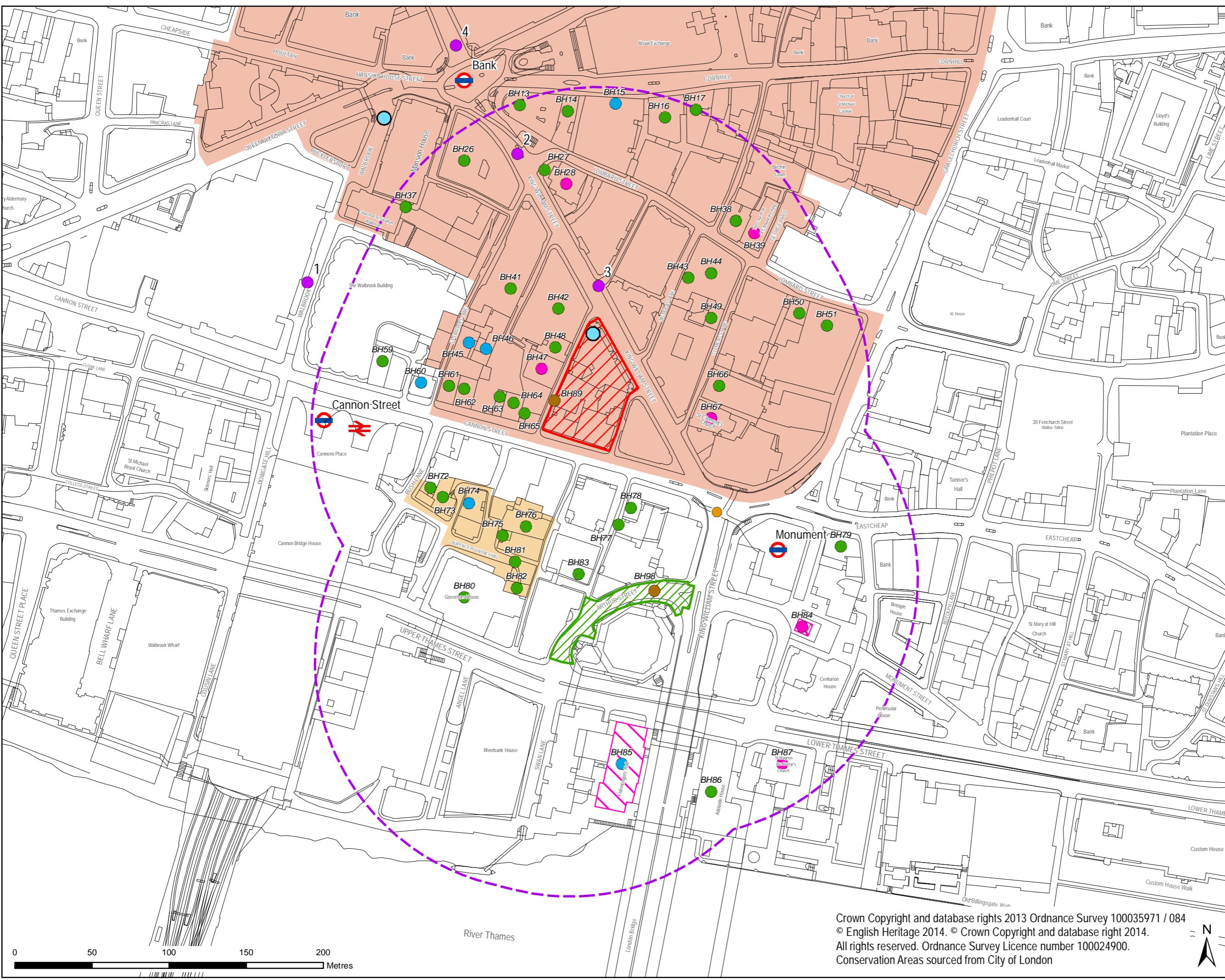
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Drawing Number
FIGURE 9.3



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LEGEND

- London underground station
- National Rail Station
- Whole Block Site
- Arthur Street Work Site
- Main utilities work sites
- 1 - Low Level 2 Sewer shaft (new)
- 2 - London Bridge Sewer shaft (existing)
- 3 - Low Level 2 Sewer emergency access/egress (existing)
- 4 - London Bridge Sewer emergency access/egress (existing)
- Monument Junction utilities strengthening works
- Potential compensation grout shafts
- Study area
- All Listed buildings selection

Grade

- I
- II*
- II
- Non-designated heritage asset within site boundary

Conservation areas

- Bank
- Laurence Pountney Hill
- Scheduled Monument

- Whole Block Site and work site boundaries are indicative

Purpose of Issue: **FINAL**

Client:

Project Title:
**BANK STATION
CAPACITY UPGRADE PROJECT**

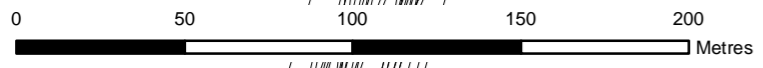
Drawing Title:
**BUILT HERITAGE ASSETS
WITHIN 150M OF THE
WHOLE BLOCK AND
ARTHUR STREET WORK SITES**

Drawn JW	Checked EP	Approved SP	Date 15/08/2014
URS Internal Project No. 47067970		Scale @ A3 1:2.250	

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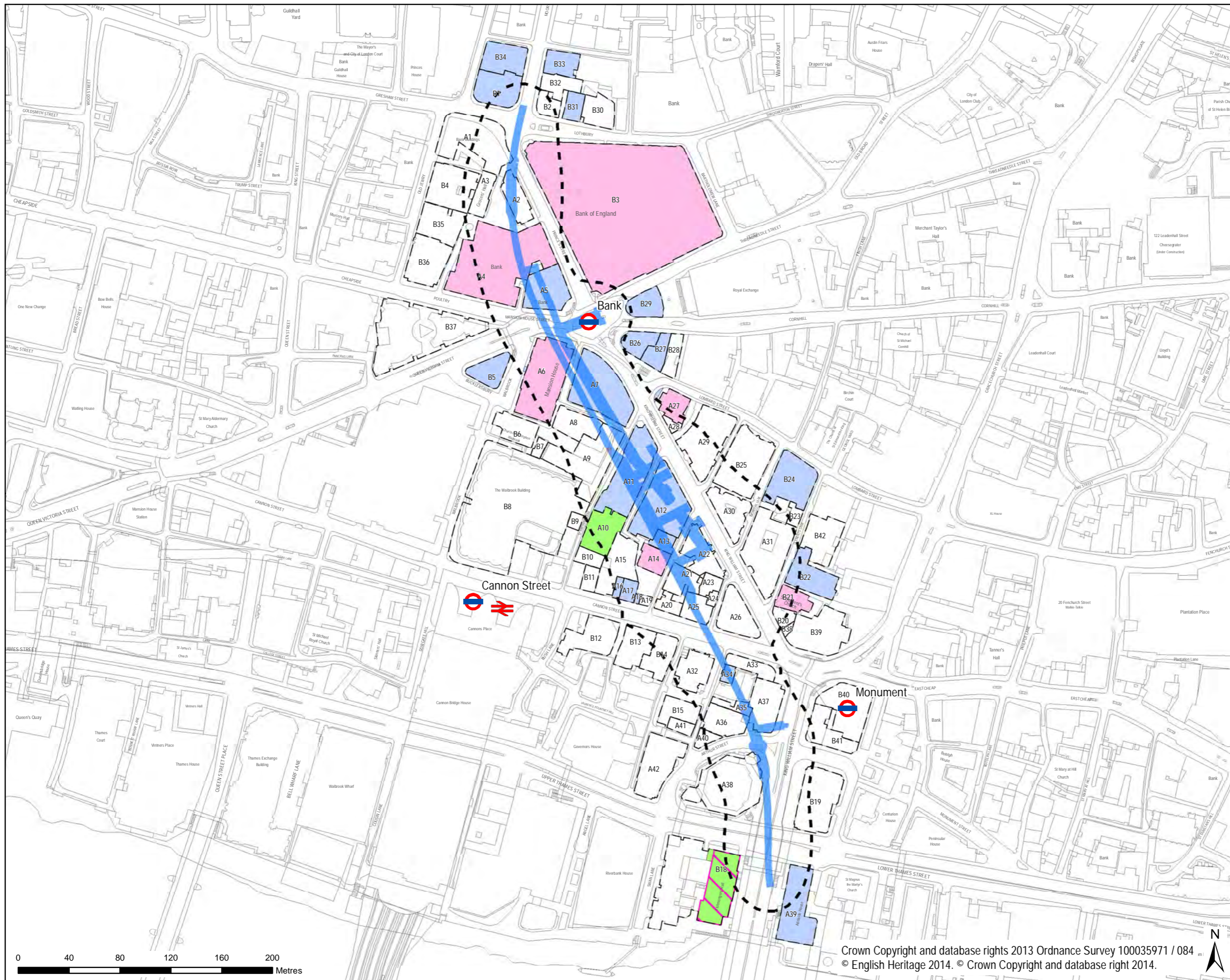
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Drawing Number: **FIGURE 10.1**



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 Conservation Areas sourced from City of London



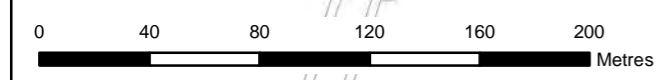


LEGEND

- London Underground Station
- National Rail Station
- Below ground works
*these include temporary and permanent works
- 1mm settlement contour
- Building Blocks
- Scheduled Monument
- Listed Buildings**
- Grade**
- I
- II
- II*

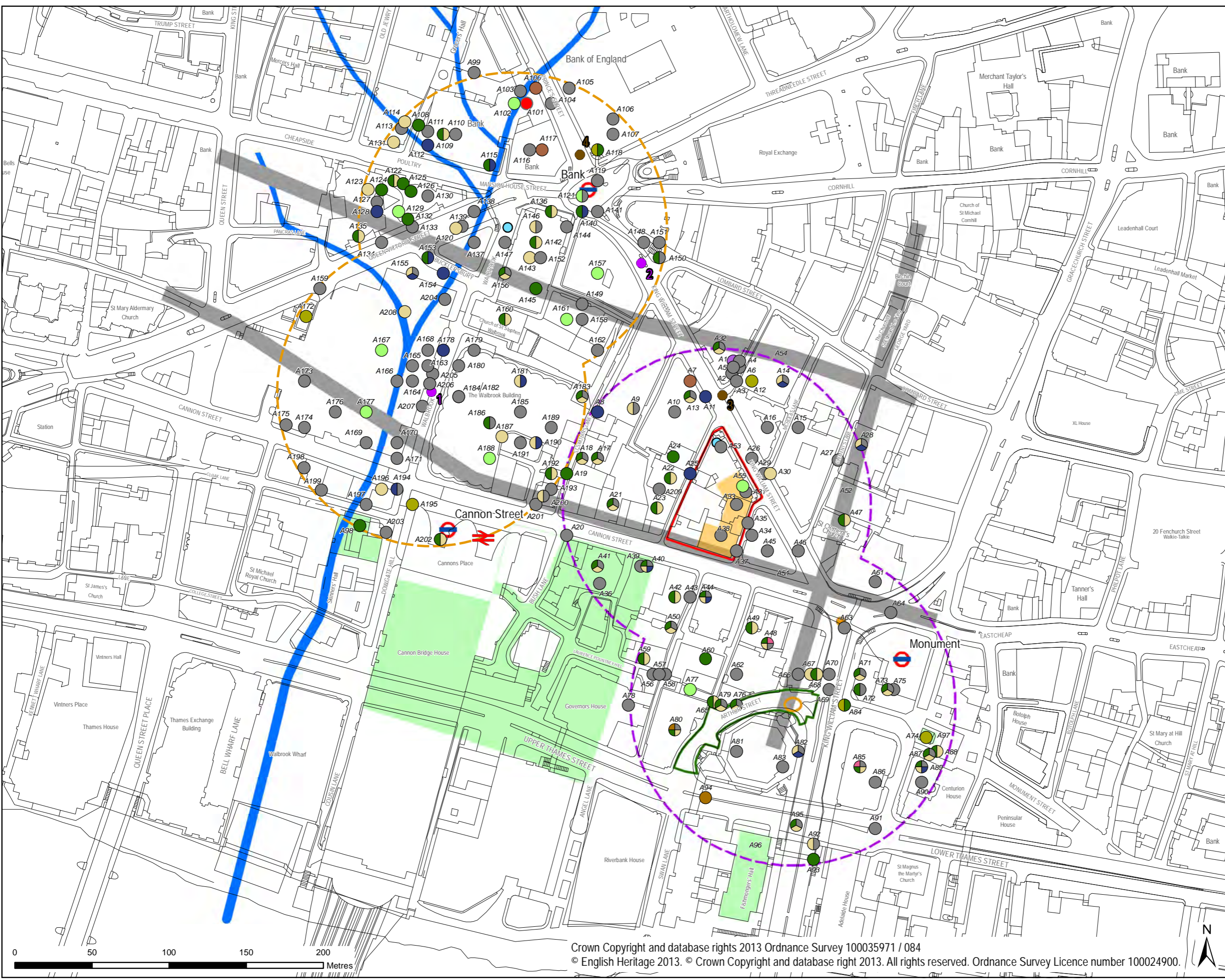
- Drawing shows existing infrastructure at Northern Line Level and Central Line Level affected by the works. Not all existing below ground infrastructure is shown

Purpose of Issue	FINAL		
Client	 		
Project Title	BANK STATION CAPACITY UPGRADE PROJECT		
Drawing Title	BUILT HERITAGE ASSETS WITHIN 1MM SETTLEMENT CONTOUR		
Drawn	Checked	Approved	Date
JW	SP	SP	14/08/2014
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FIGURE 10.2			



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LEGEND

- Underground Station
- National Rail Station
- Whole Block Site
- Arthur Street Work Site
- Arthur Street Shaft
- BSCU Works Station Entrance Hall
- Sewer shafts
 - 1 - Low Level 2 Sewer shaft (new)
 - 2 - London Bridge Sewer shaft (existing)
- Emergency access/egress
 - 3 - Low Level 2 Sewer emergency access/egress (existing)
 - 4 - London Bridge Sewer emergency access/egress (existing)
- Monument Junction
- Potential compensation grout shaft
- 100m study area for Whole Block Site and Arthur Street Shaft
100m study area for Mansion House grout shaft and Walbrook Low Level 2 sewer shaft
- Scheduled Monument

Archaeological Assets

- Palaeolithic
- Neolithic
- Prehistoric
- Iron Age
- Bronze Age
- Roman
- Anglo-Saxon
- Medieval
- Post-Medieval
- Modern
- Undated

Other Symbols

- Roman roads
- Walbrook river
- Whole Block Site and work site boundaries are indicative

Purpose of Issue: **FINAL**

Client: **DRAGADOS** London Underground

Project Title: **BANK STATION CAPACITY UPGRADE PROJECT**

Drawing Title: **LOCATION OF ARCHAEOLOGICAL ASSETS**

Drawn: JW	Checked: SP	Approved: SP	Date: 14/08/2014
URS Internal Project No. 47067970		Scale @ A3: 1:2.250	

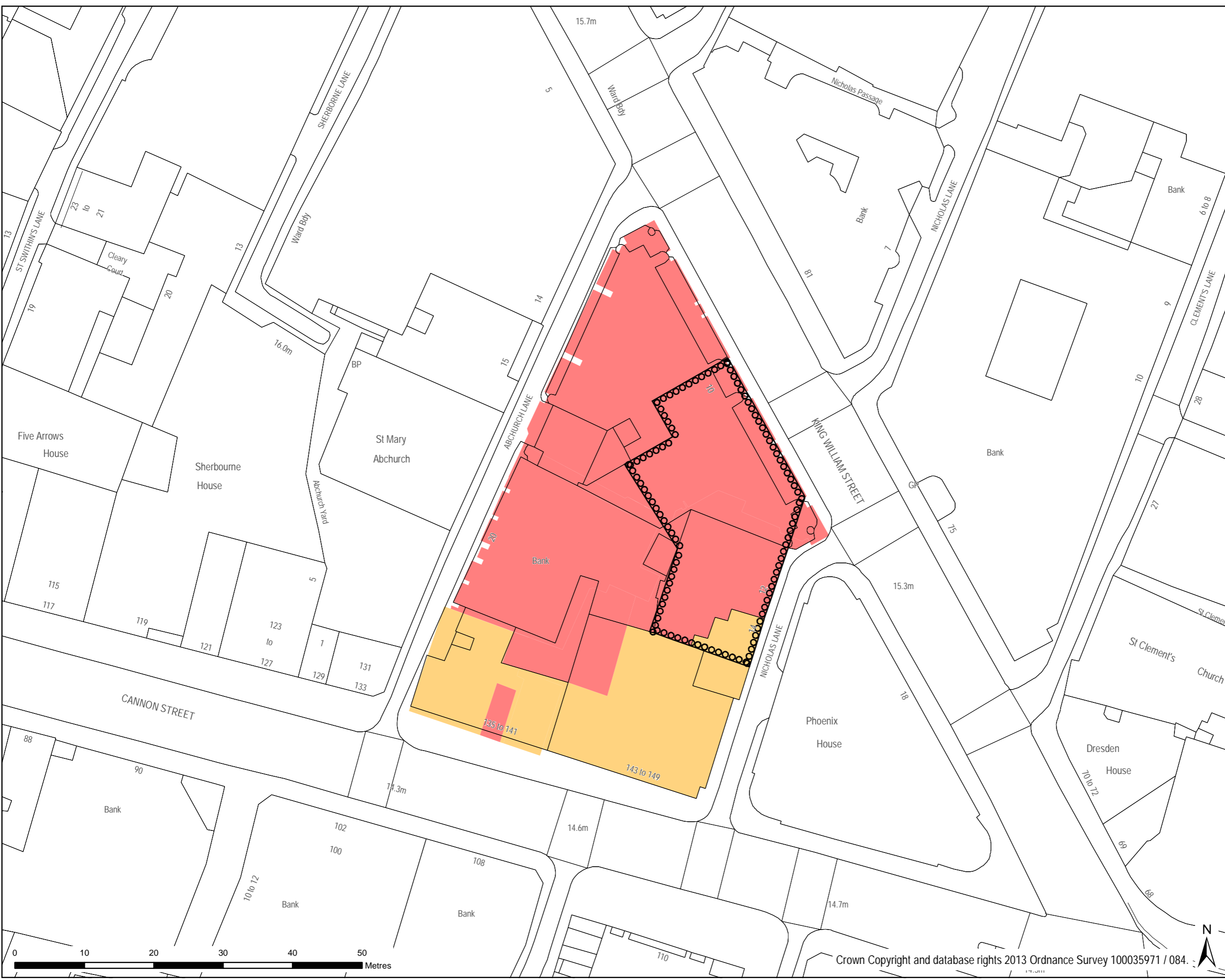
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Drawing Number: **FIGURE 11.1**



Document Path: I:\5004 - Information Systems\47067970 Bank_Station\project_files\MXDs\TWA\OIES\Chapter 11 Archaeology\Figure 11.2 Whole Block Site Modern Disturbance Plan.mxd



LEGEND

- High Magnitude of Previous Ground Disturbance - Negligible Archaeological Potential
- Medium Magnitude of Previous Ground Disturbance - Low to Moderate Archaeological Potential surviving beneath basement slabs
- Secant piled structural box

Purpose of Issue: **FINAL**

Client: 


Project Title: **BANK STATION CAPACITY UPGRADE PROJECT**

Drawing Title: **WHOLE BLOCK SITE MODERN DISTURBANCE PLAN**

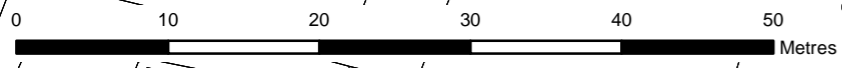
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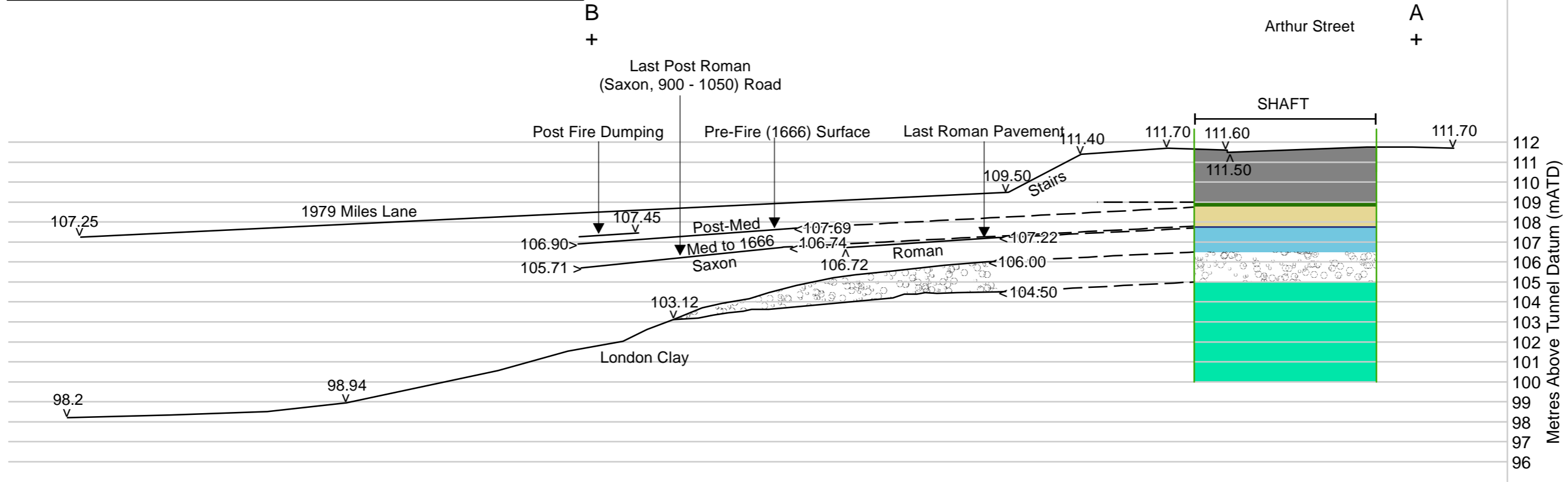
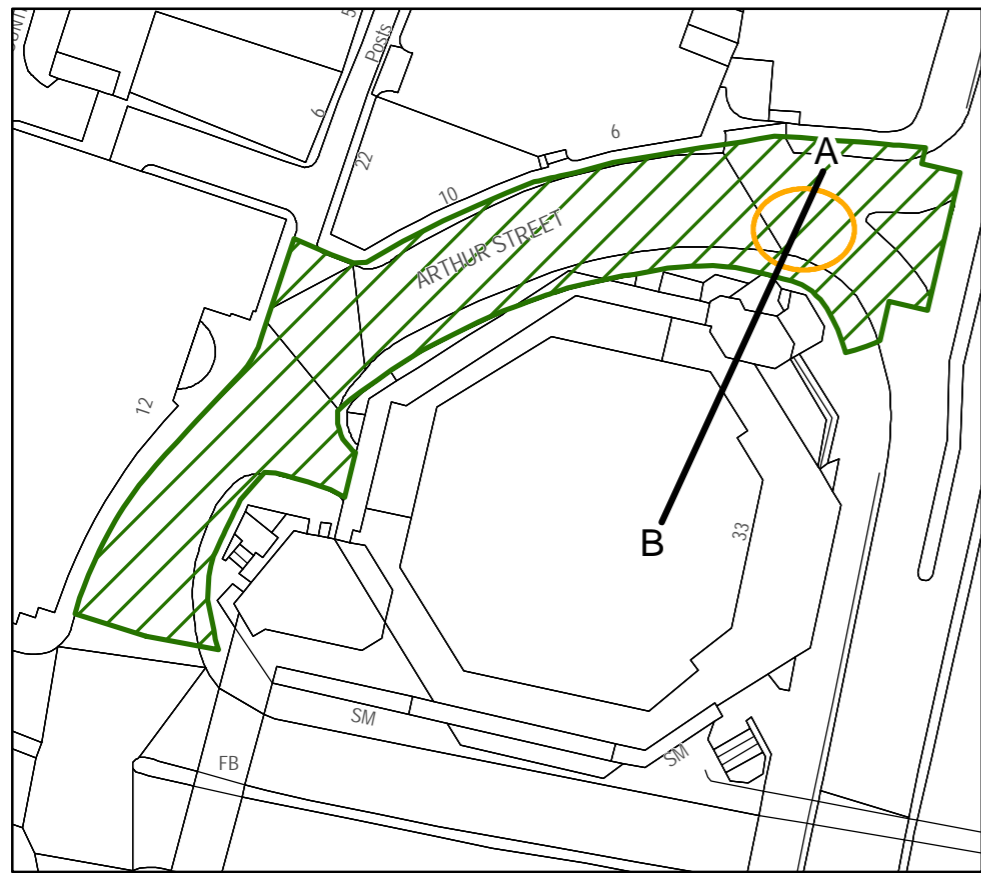


Drawing Number: **FIGURE 11.2**



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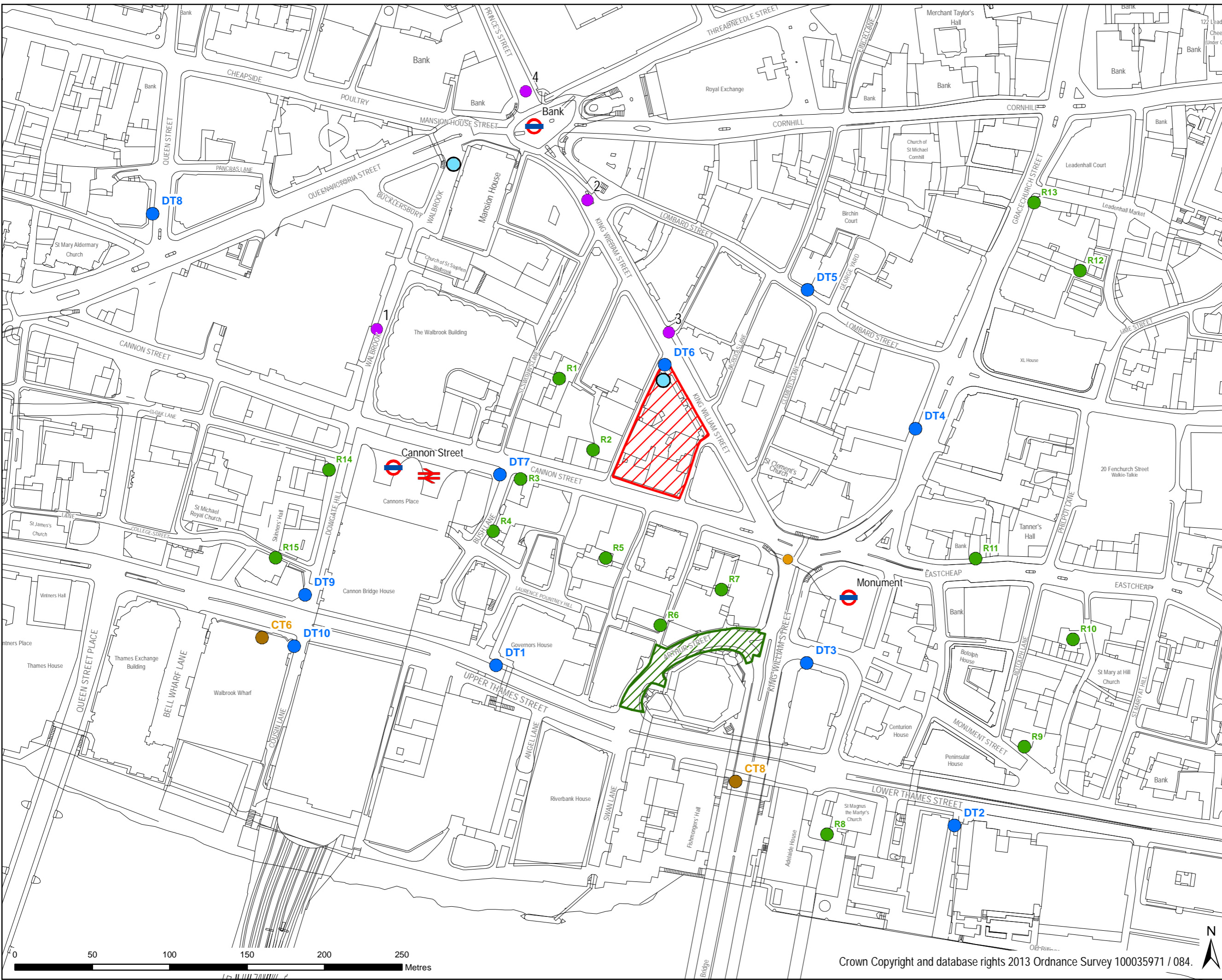
LEGEND

- Arthur Street Shaft
- Arthur Street Work Site
- Made ground
- Post-Medieval
- Medieval
- Anglo-Saxon
- Roman
- Terrace Gravel
- London Clay

- Whole Block Site and work site boundaries are indicative

Purpose of Issue			
FINAL			
Client			
Project Title			
BANK STATION CAPACITY UPGRADE PROJECT			
Drawing Title			
CROSS-SECTION OF THE ARTHUR STREET SHAFT SHOWING PREDICTED ARCHAEOLOGICAL SURVIVAL			
Drawn	Checked	Approved	Date
JM	IW	IW	14/08/2014
URS Internal Project No.		Scale @ A3	
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Drawing Number			Rev
FIGURE 11.3			



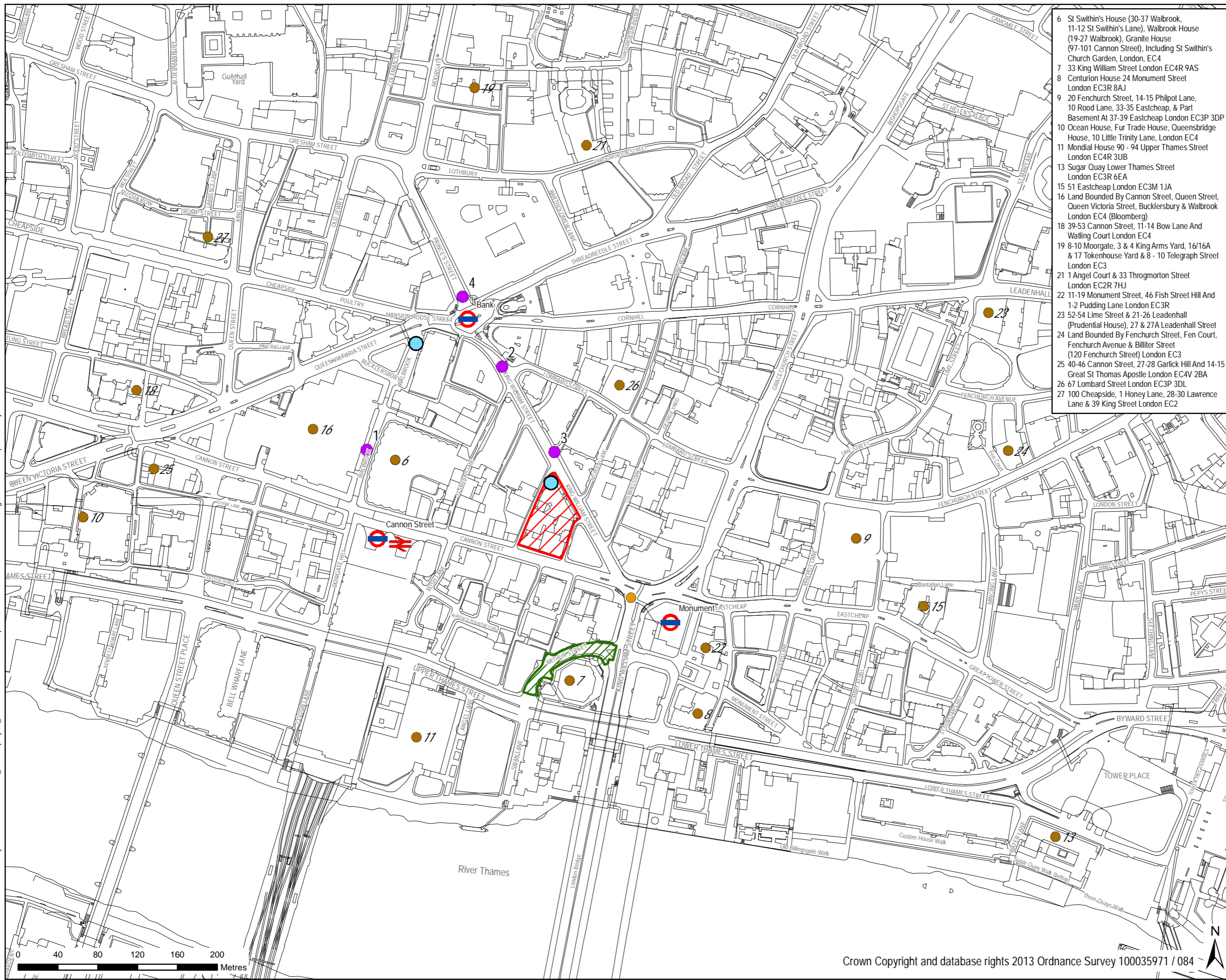


LEGEND

- London Underground Station
- National Rail Station
- Whole Block Site
- Arthur Street Work Site
- Main utilities work sites
- 1 - Low Level 2 Sewer shaft (new)
- 2 - London Bridge Sewer shaft (existing)
- 3 - Low Level 2 Sewer emergency access/egress (existing)
- 4 - London Bridge Sewer emergency access/egress (existing)
- Monument Junction utilities strengthening works
- Potential compensation grout shafts
- Air Quality Sensitive Receptors
- City of London Automatic Continuous Monitoring Station
- Diffusion Tube
- Whole Block Site and work site boundaries are indicative

Purpose of Issue				FINAL
Client				
Project Title				BANK STATION CAPACITY UPGRADE PROJECT
Drawing Title				AIR QUALITY SENSITIVE RECEPTORS AND MONITORING LOCATIONS
Drawn	Checked	Approved	Date	
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Drawing Number				Rev
FIGURE 12.1				





- 6 St Swithin's House (30-37 Walbrook, 11-12 St Swithin's Lane), Walbrook House (19-27 Walbrook), Granite House (97-101 Cannon Street), Including St Swithin's Church Garden, London, EC4
- 7 33 King William Street London EC4R 9AS
- 8 Centurion House 24 Monument Street London EC3R 8AJ
- 9 20 Fenchurch Street, 14-15 Philpot Lane, 10 Rood Lane, 33-35 Eastcheap, & Part Basement At 37-39 Eastcheap London EC3P 3DP
- 10 Ocean House, Fur Trade House, Queensbridge House, 10 Little Trinity Lane, London EC4
- 11 Mondial House 90 - 94 Upper Thames Street London EC4R 3UB
- 13 Sugar Quay Lower Thames Street London EC3R 6EA
- 15 51 Eastcheap London EC3M 1JA
- 16 Land Bounded By Cannon Street, Queen Street, Queen Victoria Street, Bucklersbury & Walbrook London EC4 (Bloomberg)
- 18 39-53 Cannon Street, 11-14 Bow Lane And Watling Court London EC4
- 19 8-10 Moorgate, 3 & 4 King Arms Yard, 16/16A & 17 Tokenhouse Yard & 8 - 10 Telegraph Street London EC3
- 21 1 Angel Court & 33 Throgmorton Street London EC2R 7HJ
- 22 11-19 Monument Street, 46 Fish Street Hill And 1-2 Pudding Lane London EC3R
- 23 52-54 Lime Street & 21-26 Leadenhall (Prudential House), 27 & 27A Leadenhall Street
- 24 Land Bounded By Fenchurch Street, Fen Court, Fenchurch Avenue & Billiter Street (120 Fenchurch Street) London EC3
- 25 40-46 Cannon Street, 27-28 Garlick Hill And 14-15 Great St Thomas Apostle London EC4V 2BA
- 26 67 Lombard Street London EC3P 3DL
- 27 100 Cheapside, 1 Honey Lane, 28-30 Lawrence Lane & 39 King Street London EC2

LEGEND

- London Underground Station
- National Rail Station
- Whole Block Site
- Arthur Street Work Site
- Main utilities work sites
- 1 - Low Level 2 Sewer shaft (new)
- 2 - London Bridge Sewer shaft (existing)
- 3 - Low Level 2 Sewer emergency access/egress (existing)
- 4 - London Bridge Sewer emergency access/egress (existing)
- Monument Junction utilities strengthening works
- Potential compensation grout shafts
- Development Projects
- Whole Block Site and work site boundaries are indicative

Purpose of Issue				FINAL
Client				
Project Title				BANK STATION CAPACITY UPGRADE PROJECT
Drawing Title				DEVELOPMENT PROJECTS
Drawn	Checked	Approved	Date	
JW	SP	SP	14/08/2014	
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FIGURE 17.2				



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