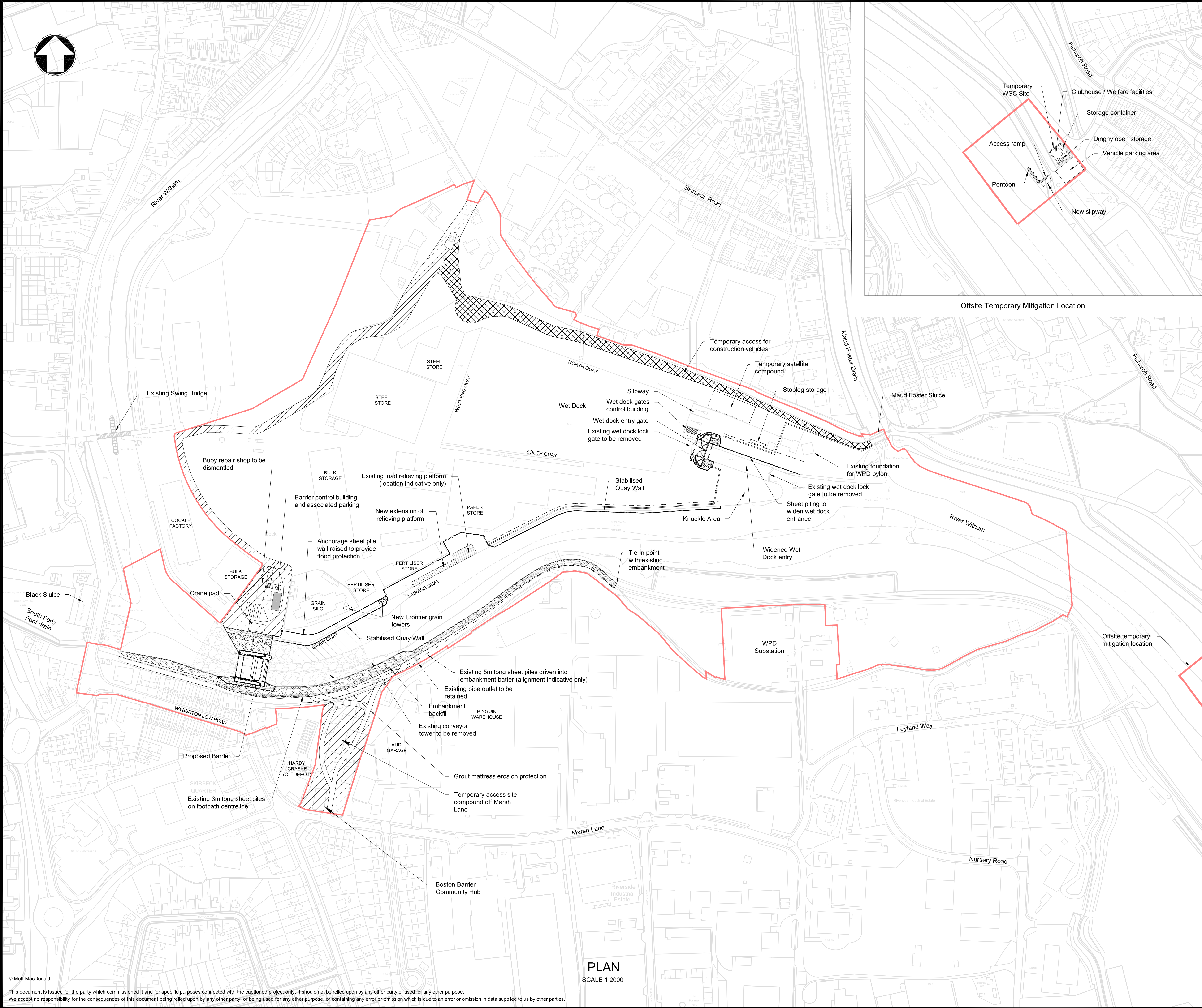


A16 - Planning Direction Drawings



List of Planning Direction Drawings

1. IMAN001472-PLG-001 - Site Location Plan – Planning Application Site Boundary
2. IMAN001472-PLG-002 - Land Ownership Plan
3. IMAN001472-PLG-003 - Barrier - General Arrangement
4. IMAN001472-PLG-004 - Barrier - Elevations and Sections
5. IMAN001472-PLG-005 - Barrier - Services
6. IMAN001472-PLG-006 - Barrier Control Building - General Arrangement
7. IMAN001472-PLG-007 - Barrier Control Building - Plans and Elevations
8. IMAN001472-PLG-008 - Barrier Control Building - Services
9. IMAN001472-PLG-009 - Access Road - General Arrangement
10. IMAN001472-PLG-011 - Access Road - Services
11. IMAN001472-PLG-012 - Port of Boston Gates and Control Kiosk - General Arrangement
12. IMAN001472-PLG-013 - Port of Boston Gates and Control Kiosk - Elevations and Sections
13. IMAN001472-PLG-014 - Port of Boston Gates and Control Kiosk - Control Building Plan and Elevations
14. IMAN001472-PLG-015 - Port of Boston Gates and Control Kiosk - Services
15. IMAN001472-PLG-016 - Left Bank Flood Wall - General Arrangement
16. IMAN001472-PLG-017 - Left Bank Flood Wall - Elevation and Sections - Sheet 1 of 4
17. IMAN001472-PLG-018 - Left Bank Flood Wall - Elevation and Sections - Sheet 2 of 4
18. IMAN001472-PLG-019 - Left Bank Flood Wall - Elevation and Sections - Sheet 3 of 4
19. IMAN001472-PLG-020 - Left Bank Flood Wall - Elevation and Sections - Sheet 4 of 4
20. IMAN001472-PLG-021 - Right Bank Flood Wall - General Arrangement
21. IMAN001472-PLG-022 - Right Bank Flood Wall - Sections
22. IMAN001472-PLG-023 - Enabling Works - Dredging Plan
23. IMAN001472-PLG-024 - Enabling Works - Construction Compound Locations
24. IMAN001472-PLG-025 - Witham Sailing Club Temporary Works - Slipway - Site Plan and Section
25. IMAN001472-PLG-026 - Witham Sailing Club Temporary Works - Slipway - Section and Details
26. IMAN001472-PLG-027 - Witham Sailing Club Temporary Works - Pontoon Mooring - Section and Details
27. IMAN001472-PLG-028 - Witham Sailing Club Temporary Works – Services



Notes

1. Drawings are indicative for planning purpose only.
2. All levels are in metres above ordnance datum unless otherwise stated.
3. All dimensions are in millimetres unless otherwise stated.
4. The centre of the tidal barrier is located at National Grid Reference: TF3283642822

Location Map @ 1:25000

Key to symbols

	Flood Gate		Site Compound
	Concrete Flood Wall Route		Grout Mattress Erosion Protection
	Sheet Pile Route		Access Road
	Anchorage Sheet Pile Route		Temporary Access Road
	Existing Sheet Pile Route (alignment indicative only)		Temporary Scour Protection
	Planning Application Site Boundary		Gravel Fill

Reference drawings

1:2000 @A1

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W www.mottmac.com

Client

Environment Agency
Kingfisher House
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Orton Goldhay
Peterborough
PE2 5ZR

Title

**Boston Barrier Project
Planning Direction Drawings
Site Location Plan
Planning Application Site Boundary**

Designed	H. Khan	Eng check	P. Harvey
Drawn	C. J. Easson	Coordination	H. Khan
Dwg check	P. Harvey	Approved	M. Taylor
Scale at A1	Status	Rev	
1:2000	PRE	P1	

Drawing Number

IMAN001472-PLG-001

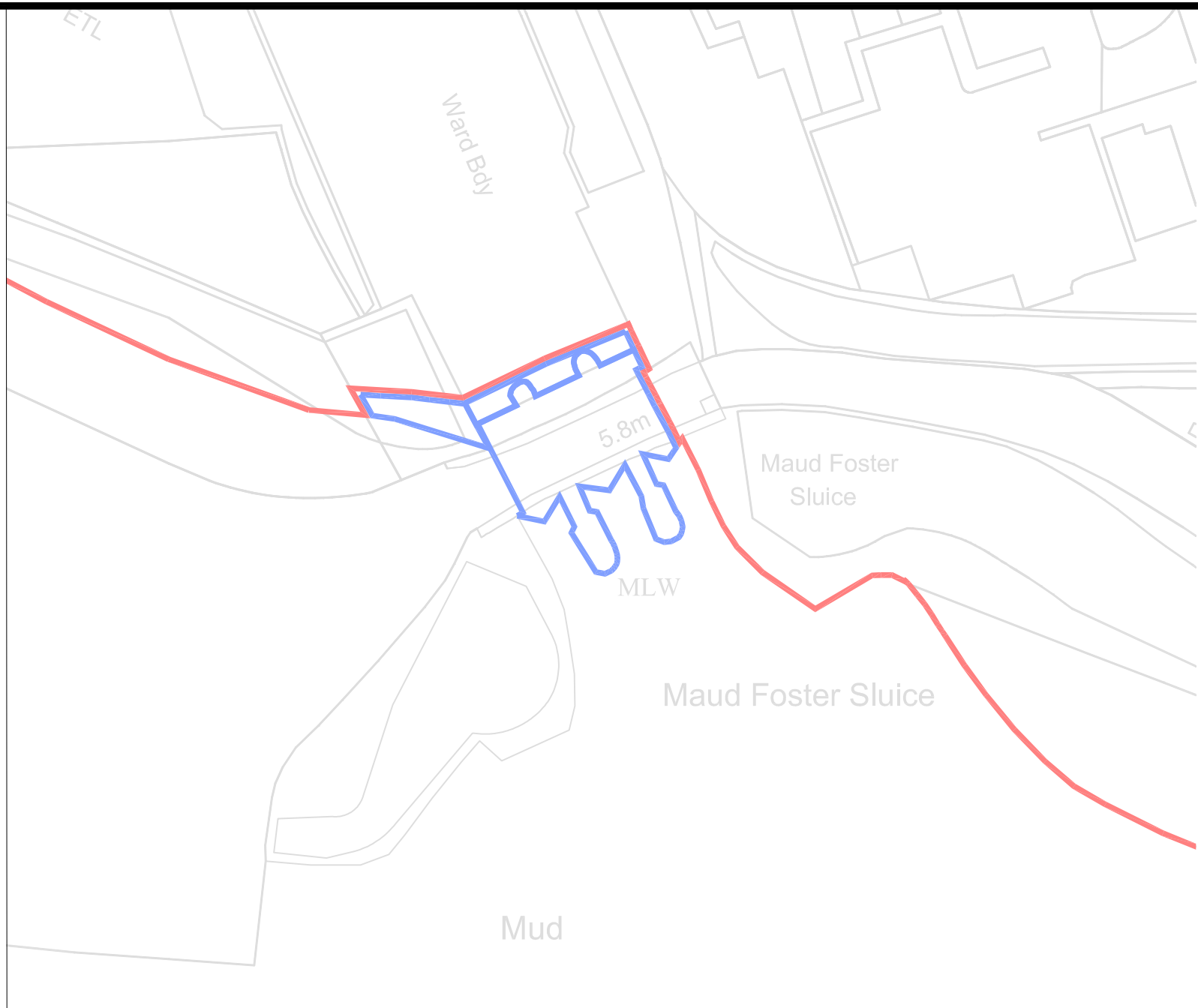
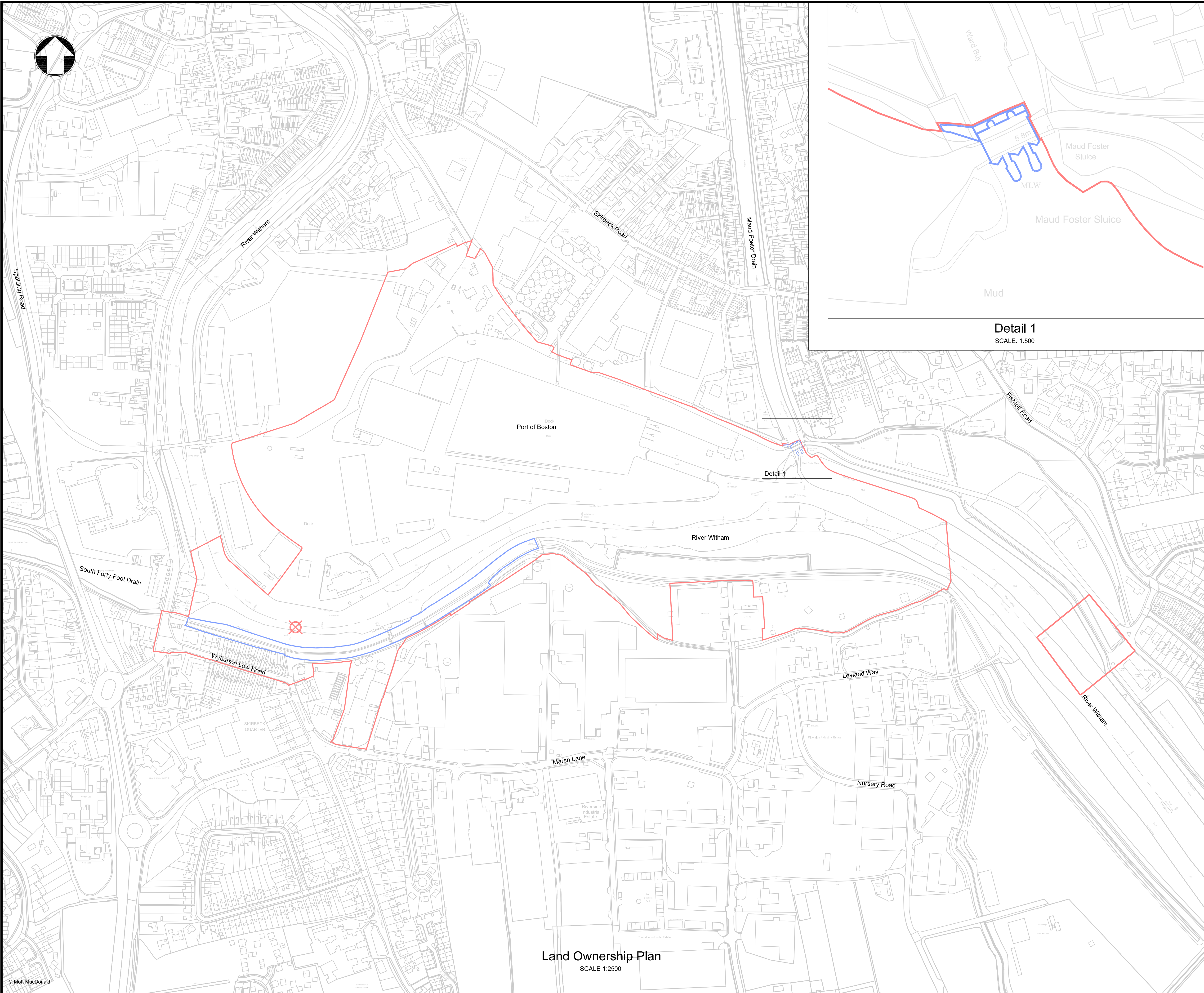
PLAN
SCALE 1:2000

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P:\Cambridge\Demeter\EVT\Projects\339200 Boston Barrier_TWA0104 Drawings\Working Drawings\Drawing\PLG-DR-000\IMAN001472-PLG-001_Site Location Plan - Planning Application Site Boundary.dwg Jul 22, 2016 - 3:23PM Ian39059



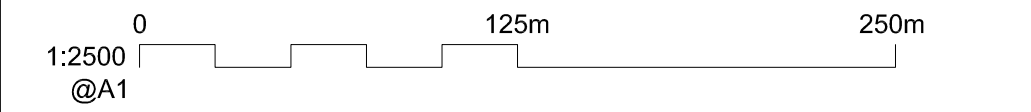
Detail 1
SCALE: 1:500

- Notes
1. Drawings are indicative for planning purpose only.
 2. All levels are in metres above ordnance datum unless otherwise stated.
 3. All dimensions are in millimetres unless otherwise stated.
 4. The centre of the barrier is located at National Grid reference: TF3283642822

Key to symbols

- Planning Application Site Boundary
- Environment Agency Land Ownership
- ⊗ National grid reference point (centre of structure):- TF3283642822

Reference drawings



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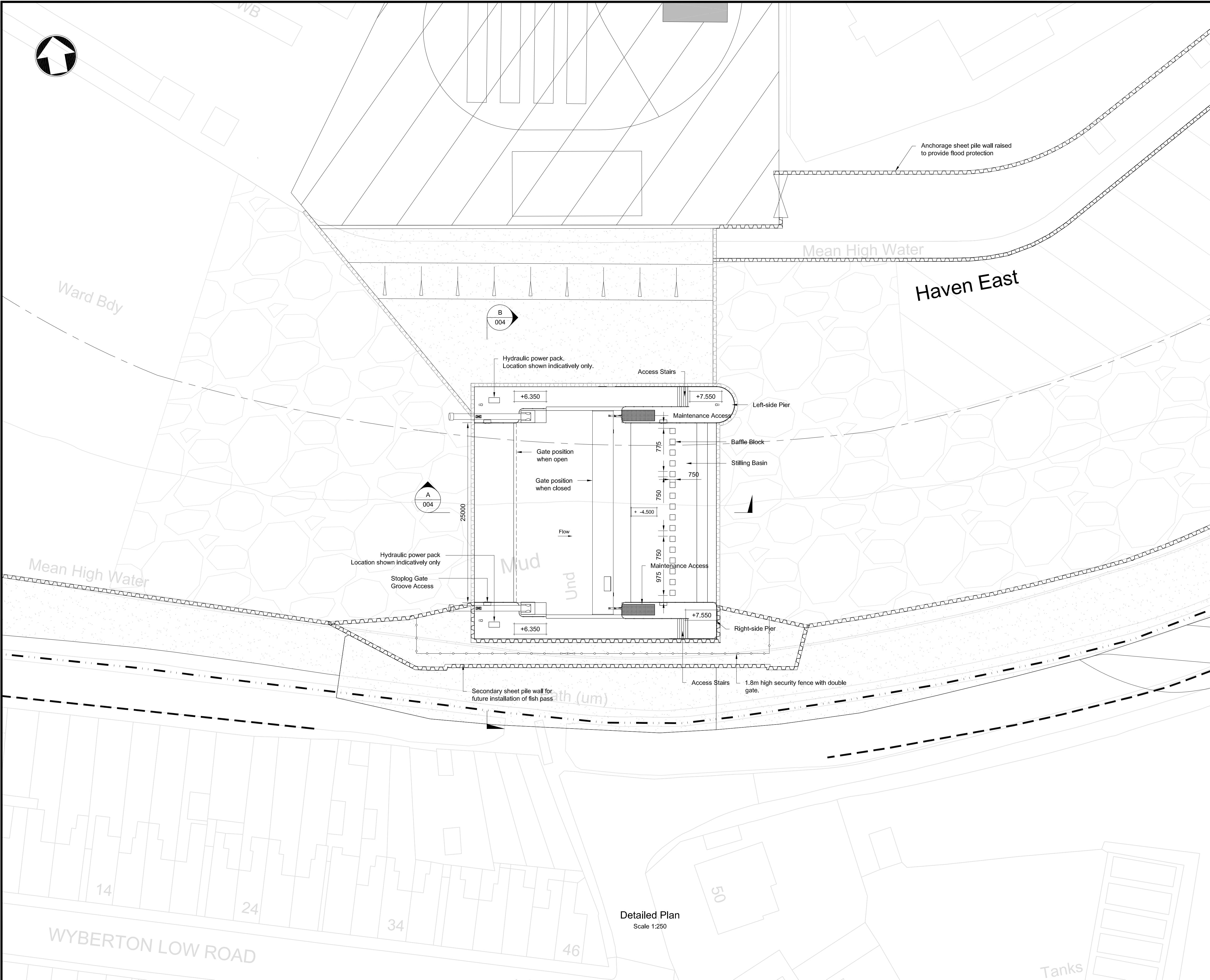
Title

**Boston Barrier Project
Planning Direction Drawings
Land Ownership Plan**

Designed	H. Khan	Eng check	P. J. Harvey
Drawn	C. J. Easson	Coordination	H. Khan
Dwg check	J. Hoy	Approved	E. Lunt
Scale at A1 As Shown	Status PRE	Rev P1	

Drawing Number

IMAN001472-PLG-002



- Notes
1. Drawings are indicative for planning purpose only.
 2. All dimensions in millimetres unless otherwise stated.
 3. All levels in metres above ordnance datum.
 4. The centre of the tidal barrier is located at National Grid Reference: TF3283642822

Key to symbols

	Flood Gate
	Sheet Pile Route
	Anchorage Sheet Pile Route
	Existing Sheet Pile Route (alignment indicative only)
	Site Compound
	Grout Mattress Erosion Protection
	Temporary Scour Protection
	Gravel Fill

Reference drawings

IMAN001472-PLG-004 - Elevations and Sections

0 12.5m 25m
1:250
@A1

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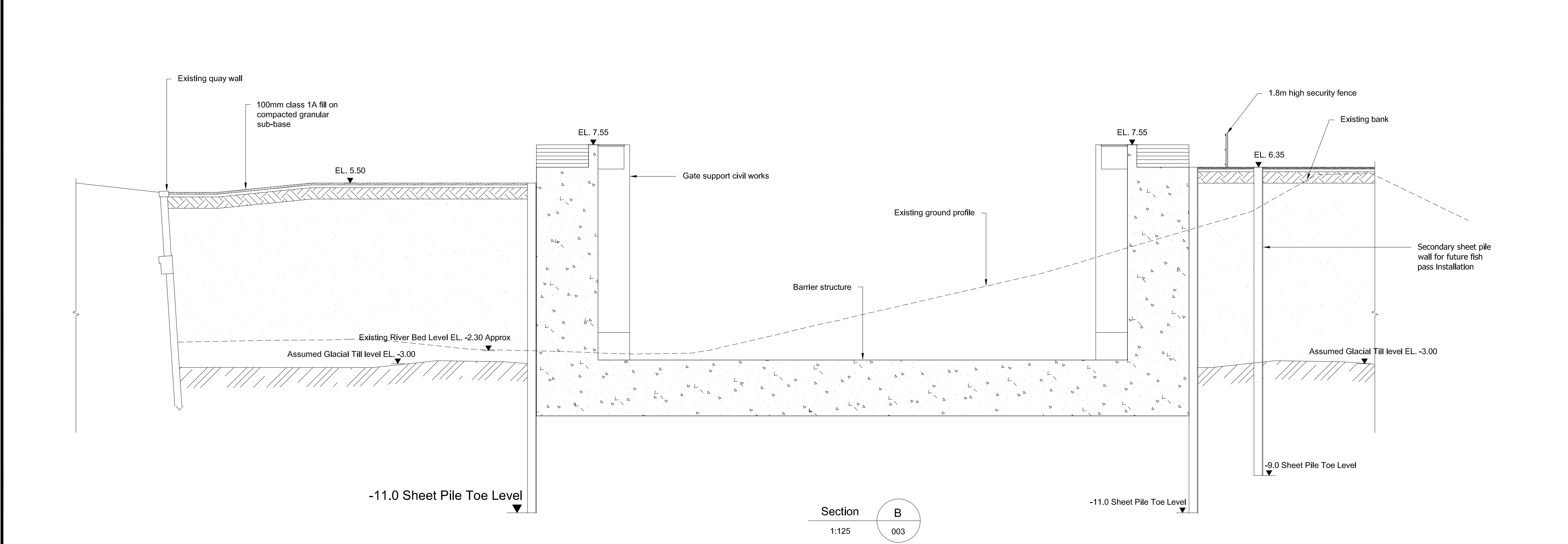
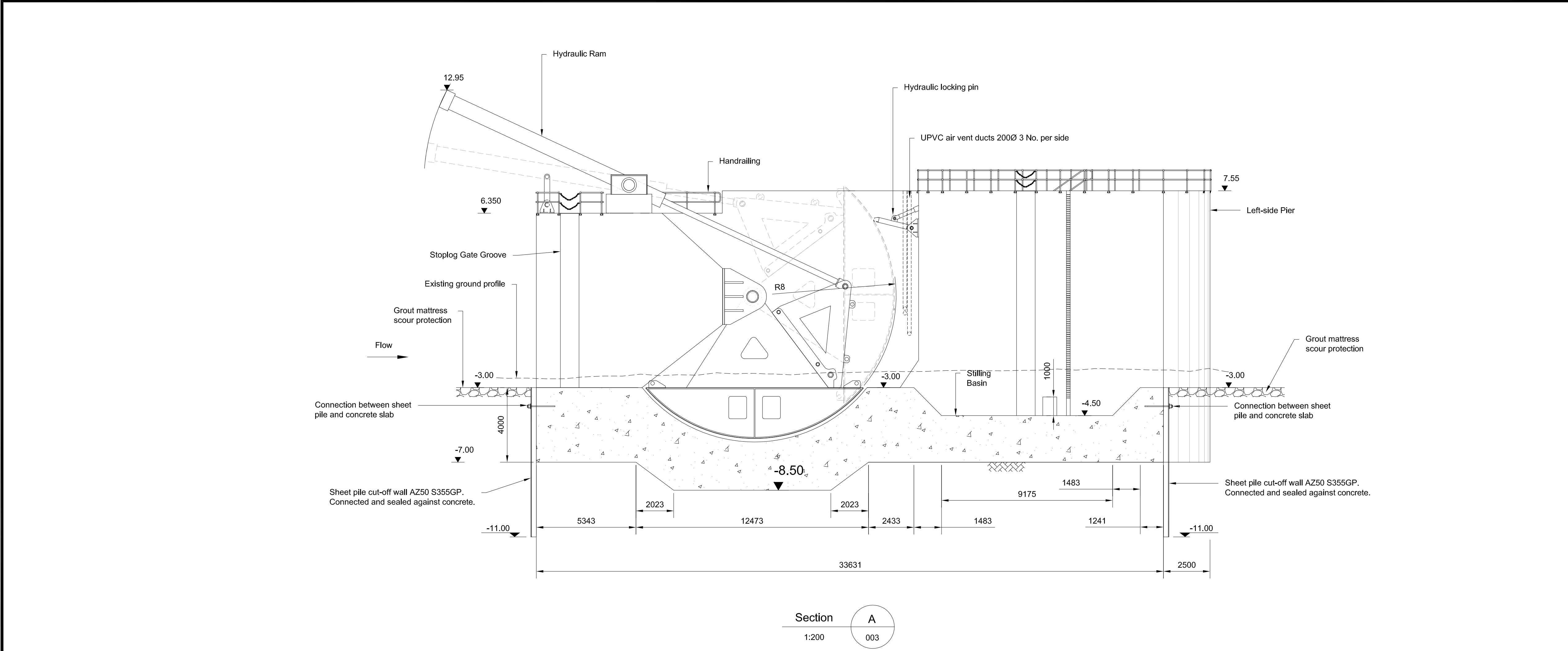
Client

Environment Agency
Kingfisher House
Goldhay Way
Orton Goldhay
Peterborough
PE2 5ZR

Title

**Boston Barrier Project
Planning Direction Drawings
Barrier
General Arrangement**

Designed	S. Golds	Eng check	P. J. Harvey
Drawn	C. J. Easson	Coordination	S. Golds
Dwg check	P. J. Harvey	Approved	M. Taylor
Scale at A1	1:250	Status	PRE
Drawing Number	IMAN001472-PLG-003	Rev	P1



Notes

1. Drawings are indicative for planning purpose only.

2. All dimensions in millimetres unless otherwise stated.

3. All levels in metres above ordnance datum.

4. The centre of the tidal barrier is located at National Grid Reference: TF3283642822

Reference drawings

IMAN001472-PLG-003 - General Arrangement

0

6.25m

12.5m

1:125 @A1

P1	22/07/2016	CJE	Issue for Planning	PH	EL
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Orton Goldhay

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Title

Boston Barrier Project

Planning Direction Drawings

Barrier

Elevations and Sections

Designed	S. Golds	Eng check	P. J. Harvey
Drawn	C. J. Easson	Coordination	S. Golds
Dwg check	P. J. Harvey	Approved	M. Taylor

Scale at A1

1:125

Status

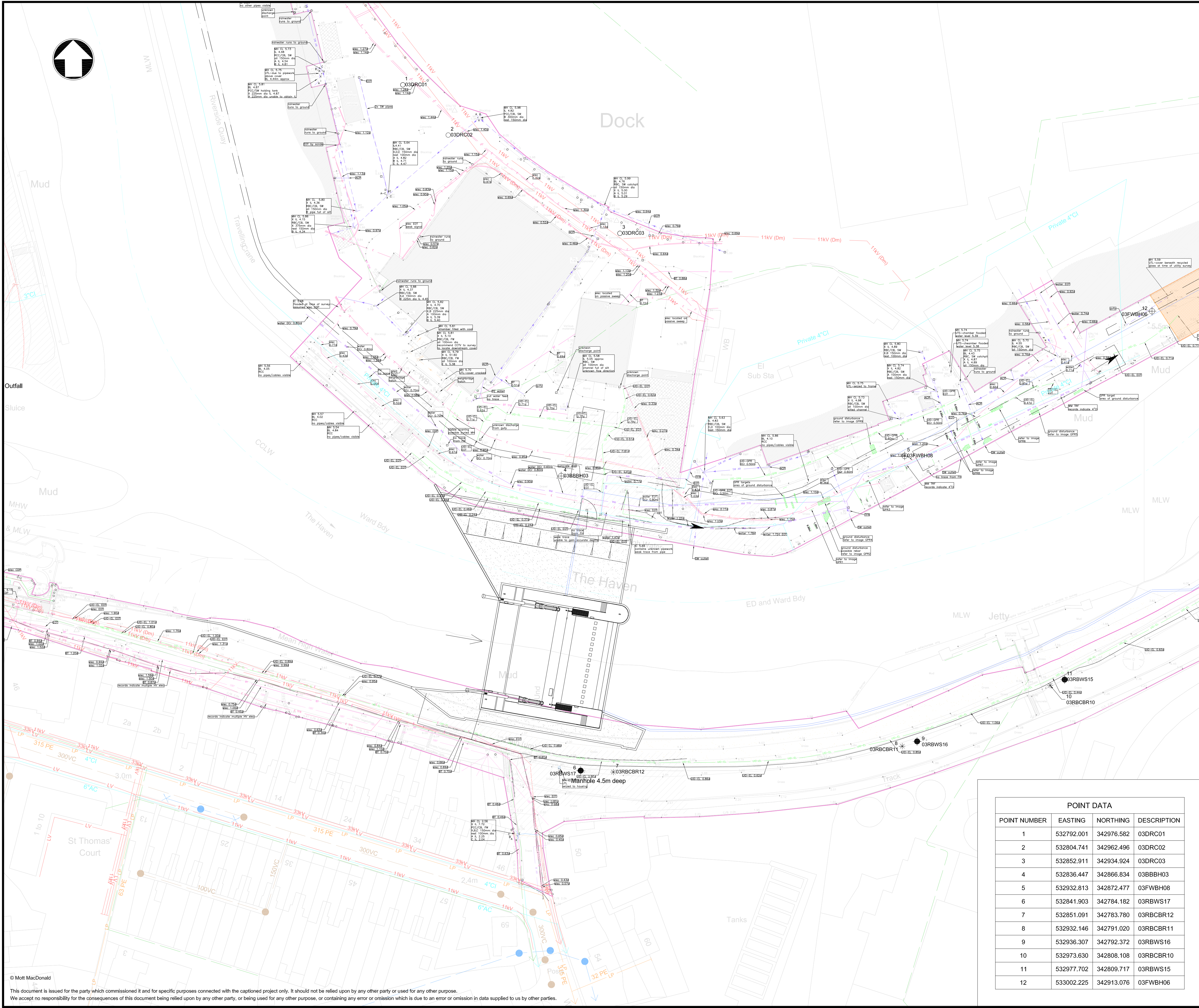
PRE

Rev

P1

Drawing Number

IMAN001472-PLG-004



Notes

- Drawings are indicative for planning purpose only.
- Services displayed in this drawing are based on drawings:
R-S8433_101-112_Issue02 (Tower Surveys)
D3-045 SUMO GPR Survey SOR002840 14-10-11
Halcrow's GI Design Drawings IMAN1472-3G1-001-010
- This drawing is provided to the Contractor for information. For avoidance of any doubt, the Contractor shall be responsible for confirming the proximity of exploratory holes to the existing services.
- The Contractor shall be responsible for the repair of any services struck or damaged.
- Where exploratory holes are shown to be on existing services the hole shall be moved and the new position confirmed by surveying methods prior to commencement of the hole.

Key to symbols

UTILITY LINETYPES

British Telecom	Gas
Cable Television	Heating Pipes
Closed Circuit Television	HV Cables
Communications	Multiple Services Route
Drainage	Oil
Drainage - Combined Water	Oxygen
Drainage - Foul Water	Street Lighting
Drainage - Storm Water	Traffic Signal Loop
Empty Duct	Unknown
Electric	Underground Cable
Fire Hydrant Main	Underground Pipeline
Fibre Optic	Water
Fuel	High Voltage Cables

KEY TO SERVICES

SEWERS

Surface Water Sewer	Rising Main (Surface Water)
Foul or Combined	Rising Main (Foul/Combined)
Decommissioned Sewer	Manhole (Foul or Combined)
Extent of Traceable Plant	Manhole (Surface Water)

WATER

Operational Raw Water	Fire Hydrant
Operational Potable Water	WO Washout
Decommissioned Water	

BT

Overhead Plant	Manhole
Underground Plant	

GAS

LP Mains	
MP Mains	
IP Mains	

ELECTRIC

Overhead Lines	Pylon
LV Underground Cables	
Underground Cables (11kV, 33kV, 132kV) voltage specified in linetype	
Decommissioned Underground Cables (LV, 11kV, 33kV, 132kV) voltage specified in linetype	
ELEC	Electricity cable (voltage unknown)

MISC

UNK	Unknown Buried Service
Flood Wall Alignment	
Extent of Tower Survey Area	
GPR anomaly for information see Tower Surveys Report	
Area Unable to GPR - Unidentified	
Area Cleared of Voids - 17/10/2014	
Service - Identified on GPR	
Extent of Utility Survey by Sumo Service Ltd	

SYMBOLS

BH	HORIZONTAL CONCRETE CORE
TP	VERTICAL CONCRETE CORE
RC	WINDOW SAMPLE
CPT	CBR
TRIAL PIT	

1:500 @A1

0 25m 50m

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Rev	Date	Drawn	Description	Ch'k'd	App'd

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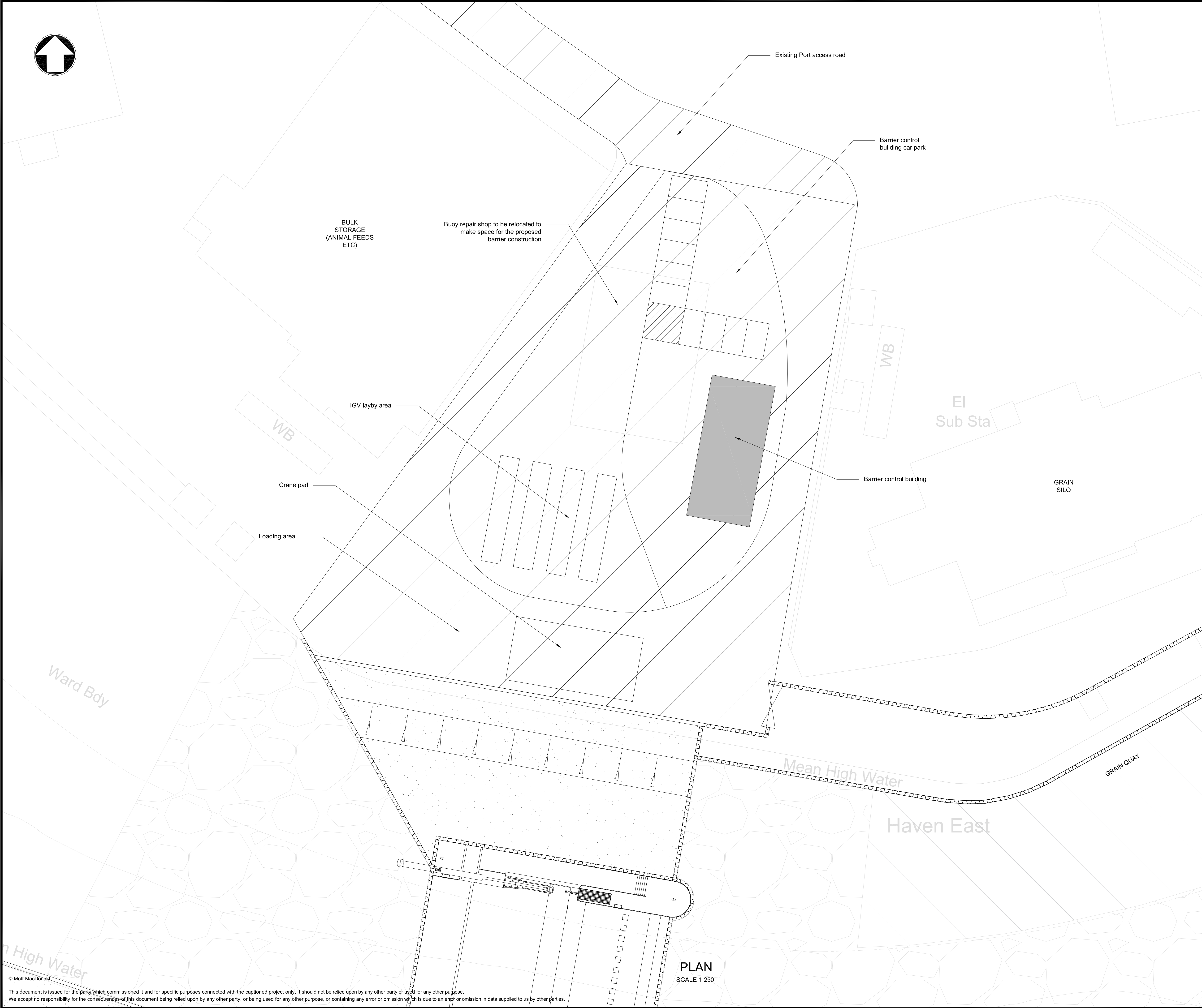
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Environment Agency

Title
**Boston Barrier Project
Planning Direction Drawings
Barrier Services**

Designed	L. Griffith	Eng check	S. Solera
Drawn	C. J. Easson	Coordination	T. Wood
Dwg check	T. Wood	Approved	S. Solera
Scale at A1	Status	Rev	
1:500	PRE	P1	
Drawing Number	IMAN001472-PLG-005		



Notes

- Drawings are indicative for planning purpose only.
- All levels are in metres above ordnance datum unless otherwise stated.
- All dimensions are in millimetres unless otherwise stated.
- The centre of the tidal barrier is located at National Grid Reference: TF3283642822

Key to symbols

	Flood Gate
	Sheet Pile Route
	Site Compound
	Grout Mattress Erosion Protection
	Temporary Scour Protection

Reference drawings

1:2000 @A1

0 100m 200m

P1	22/07/2016	CJE	Issue for Planning	PH	EL
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Environment Agency

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Title

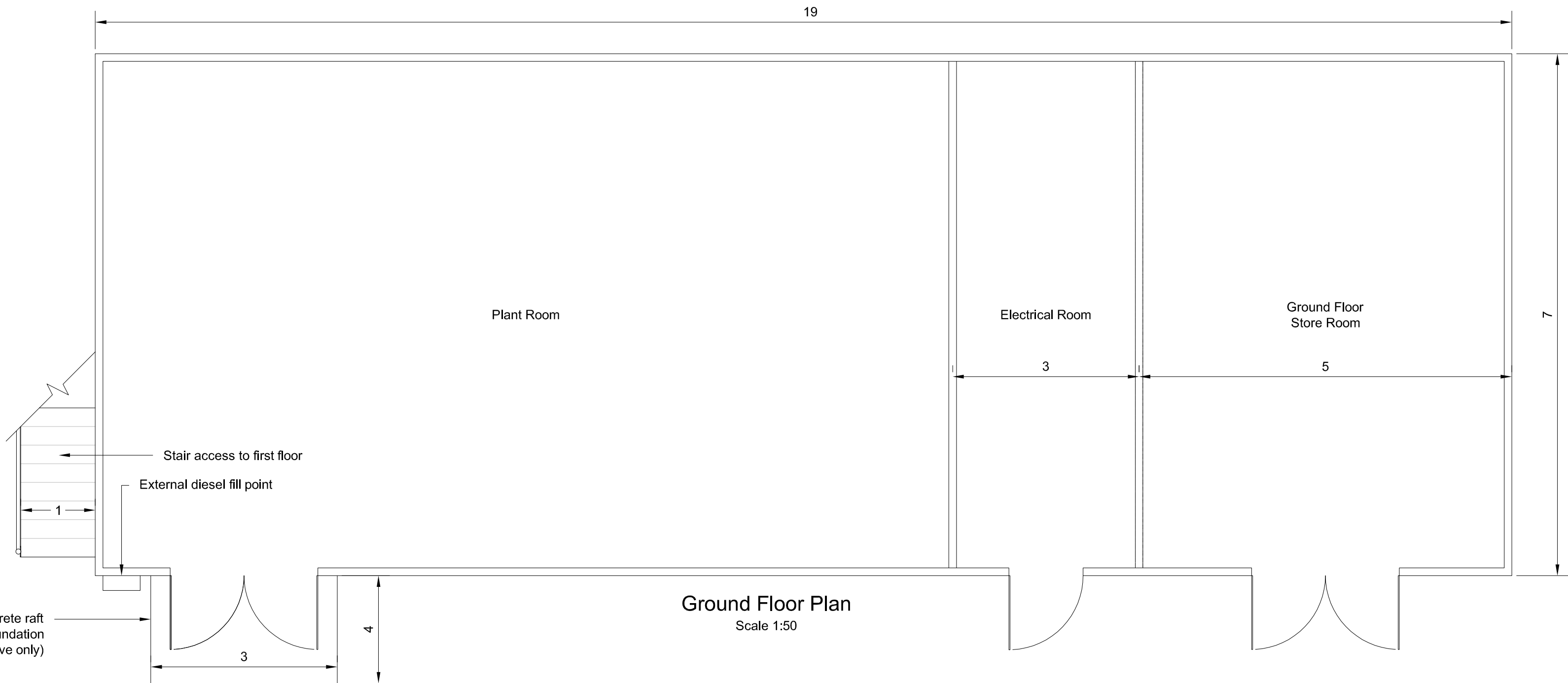
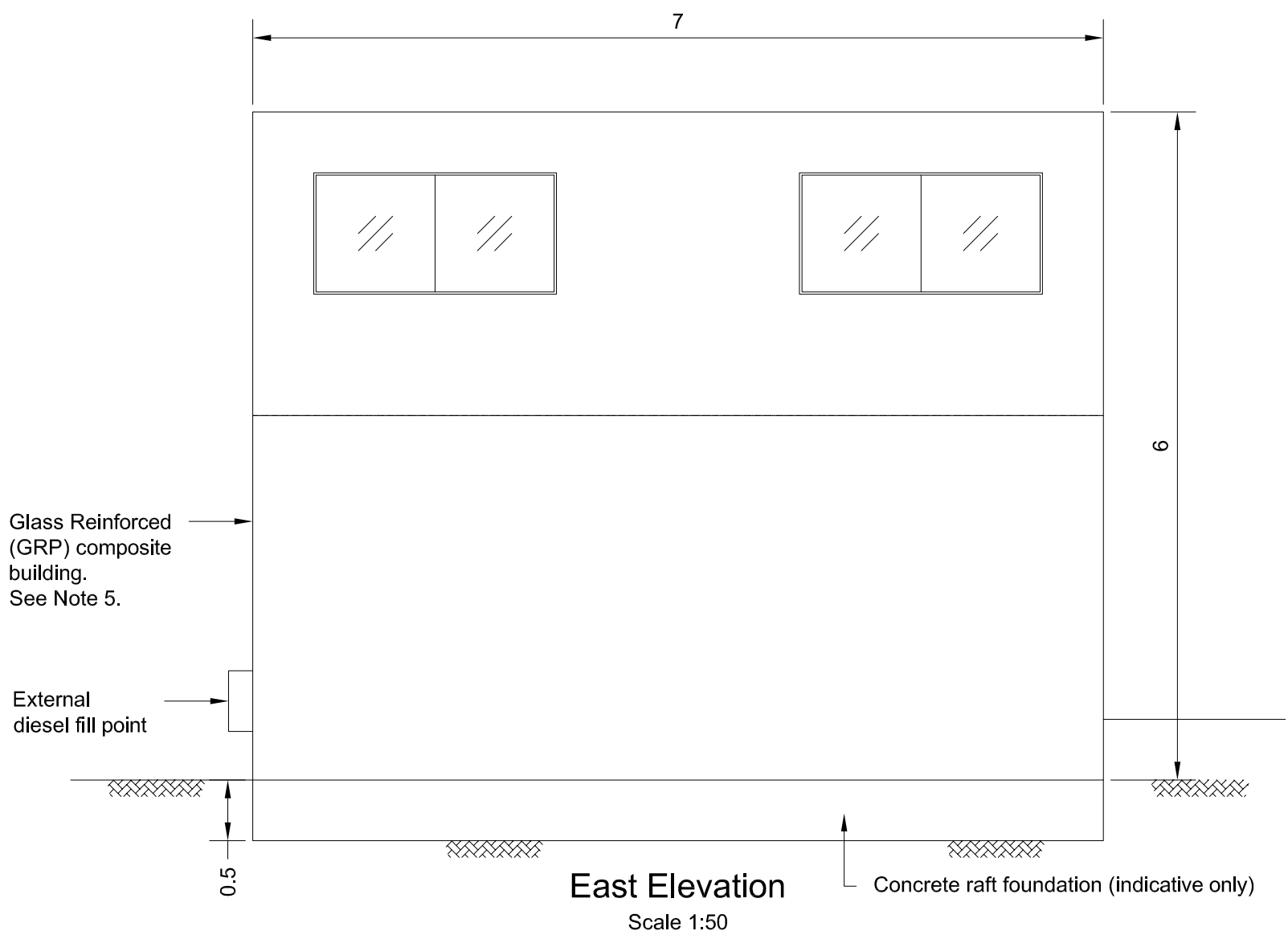
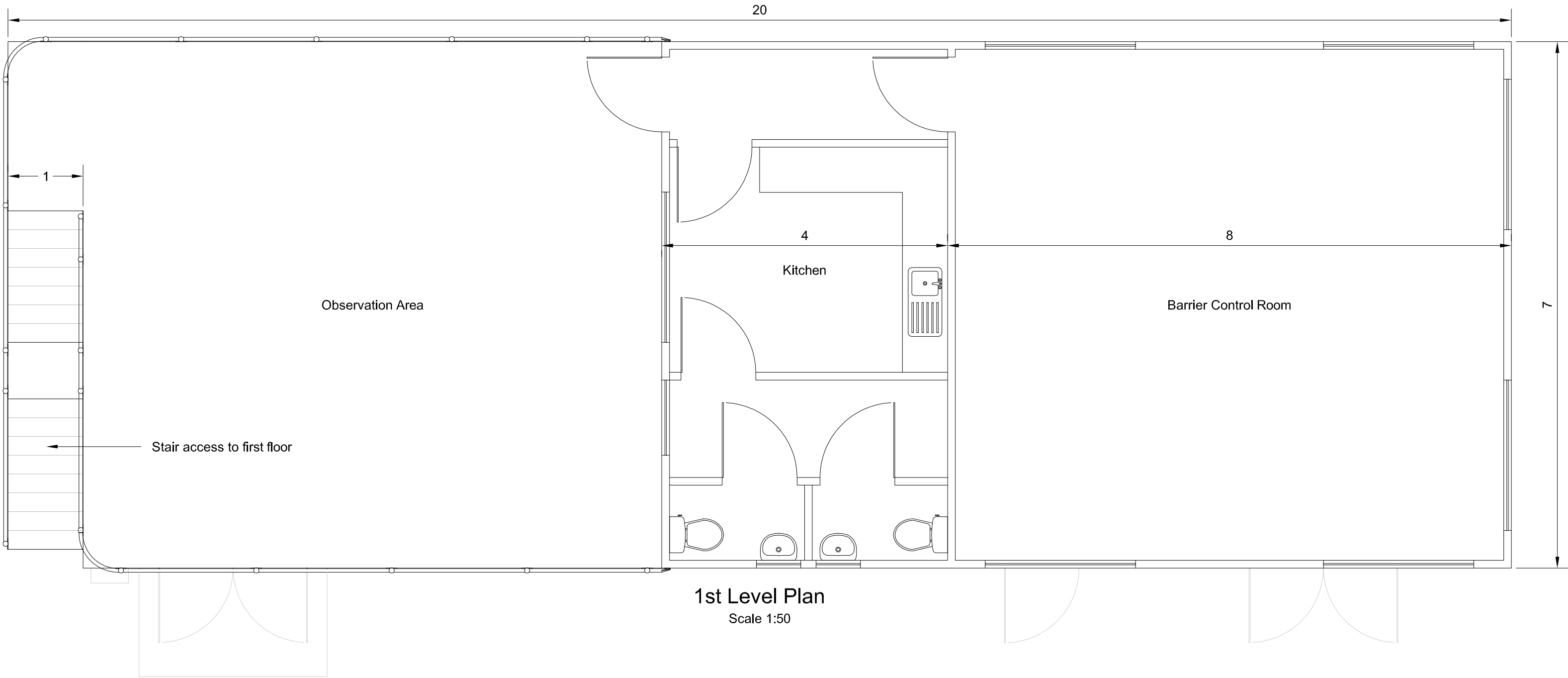
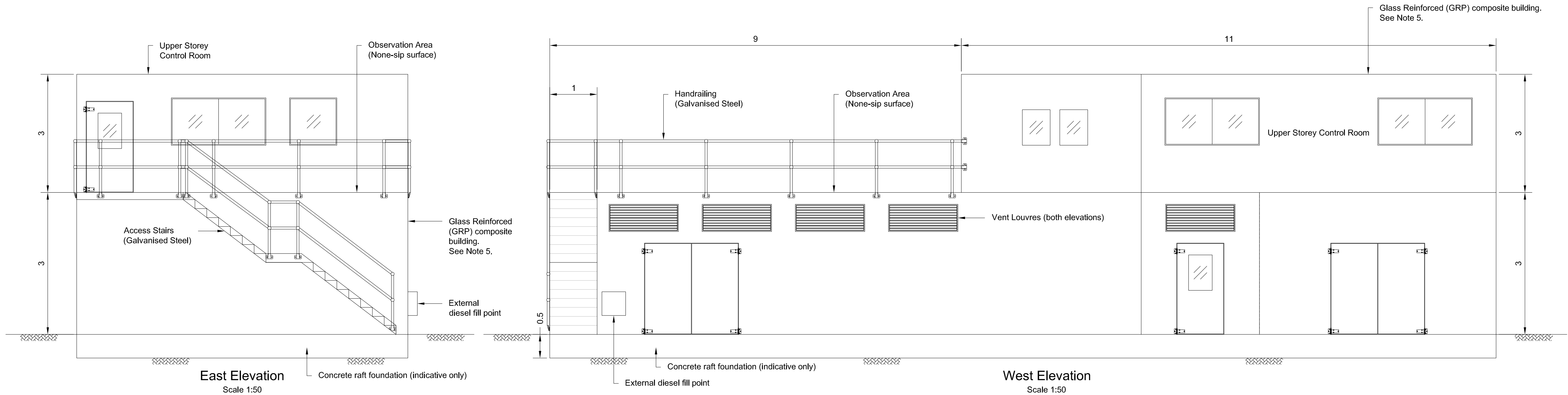
**Boston Barrier Project
Planning Direction Drawings
Barrier Control Building
General Arrangement**

Designed	H. Khan	Eng check	P. Harvey
Drawn	C. J. Easson	Coordination	H. Khan
Dwg check	P. Harvey	Approved	M. Taylor

Scale at A1: **1:250** Status: **PRE** Rev: **P1**

Drawing Number

IMAN001472-PLG-006



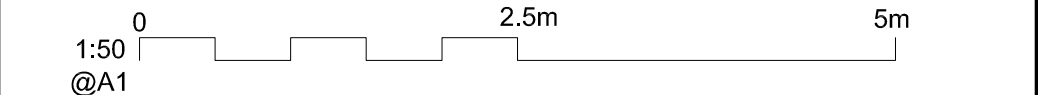
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- Notes
1. Drawings are indicative for planning purpose only.
 2. All dimensions in metres unless otherwise stated.
 3. All levels in metres above ordnance datum.
 4. Internal Layout is indicative only.
 5. Lighting / Building services omitted for clarity.

Reference drawings



P1	22/07/2016	CJE	Issue for planning	PH	EL
Rev	Date	Drawn	Description	Ch'k'd	App'd



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Peterborough
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Title

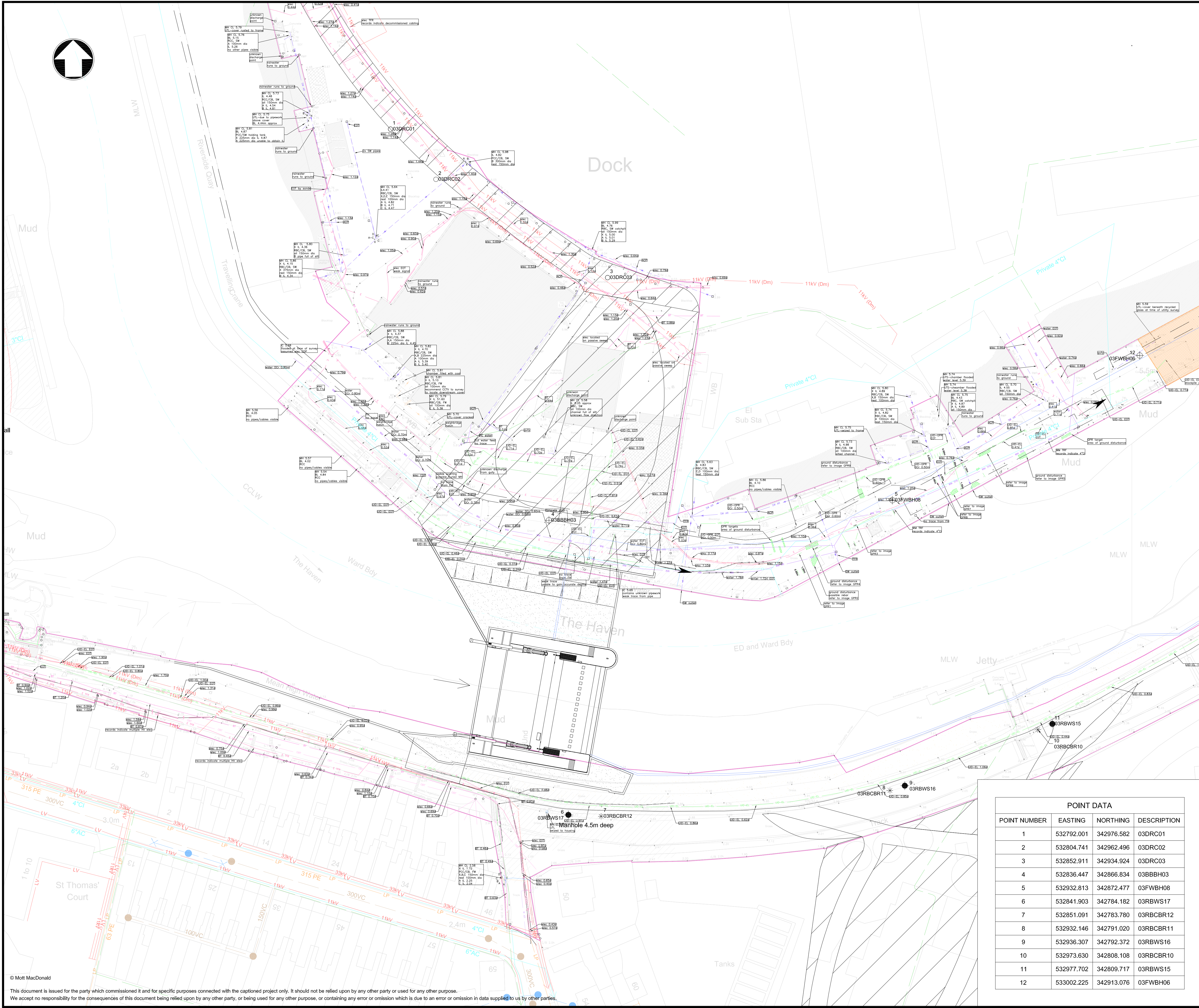
Boston Barrier Project
Planning Direction Drawings
Barrier Control Building
Plans and Elevations

Designed	T. Brown	Eng check	T. Brown
Drawn	C. J. Easson	Coordination	P. J. Harvey
Dwg check	T. Brown	Approved	M. Taylor

Scale at A1	Status	Rev
1:50	PRE	P1

Drawing Number

IMAN001472-PLG-007



- Notes
1. Drawings are indicative for planning purpose only.
 2. Services displayed in this drawing are based on drawings:
R-S8433 101-112 Issue02 (Tower Surveys)
D3-045 SUMO GPR Survey SOR002840 14-10-11
Halcrow's GI Design Drawings IMAN1472-3G1-001-010
 3. This drawing is provided to the Contractor for information. For avoidance of any doubt, the Contractor shall be responsible for confirming the proximity of exploratory holes to the existing services.
 4. The Contractor shall be responsible for the repair of any services struck or damages.
 5. Where exploratory holes are shown to be on existing services the hole shall be moved and the new position confirmed by surveying methods prior to commencement of the hole.

Key to symbols

UTILITY LINETYPES

British Telecom	Gas
Cable Television	Heating Pipes
Closed Circuit Television	HV Cables
Communications	Multiple Services Route
Drainage	Oil
Drainage - Combined Water	Oxygen
Drainage - Foul Water	Street Lighting
Drainage - Storm Water	Traffic Signal Loop
Empty Duct	Unknown
Electric	Underground Cable
Fire Hydrant Main	Underground Pipeline
Fibre Optic	Water
Fuel	High Voltage Cables

KEY TO SERVICES

SEWERS

Surface Water Sewer	Rising Main (Surface Water)
Foul or Combined	Rising Main (Foul/Combined)
Decommissioned Sewer	Manhole (Foul or Combined)
Extent of Traceable Plant	Manhole (Surface Water)

WATER

Operational Raw Water	Fire Hydrant
Operational Potable Water	WO Washout
Decommissioned Water	

BT

Overhead Plant	Manhole
Underground Plant	

GAS

LP Mains	
MP Mains	
IP Mains	

ELECTRIC

Overhead Lines	Pylon
LV Underground Cables	
Underground Cables (11kV, 33kV, 132kV) voltage specified in linetype	
Decommissioned Underground Cables (LV, 11kV, 33kV, 132kV) voltage specified in linetype	
ELEC	Electricity cable (voltage unknown)

MISC

UNK	Unknown Buried Service
Flood Wall Alignment	
Extent of Tower Survey Area	
GPR anomaly for information see Tower Surveys Report	
Area Unable to GPR - Unidentified	
Area Cleared of Voids - 17/10/2014	
Service - Identified on GPR	
Extent of Utility Survey by Sumo Service Ltd	

BH

TP

RC

CPT

HORIZONTAL CONCRETE CORE

VERTICAL CONCRETE CORE

WINDOW SAMPLE

CBR

TRIAL PIT

0 1:500 @A1 25m 50m

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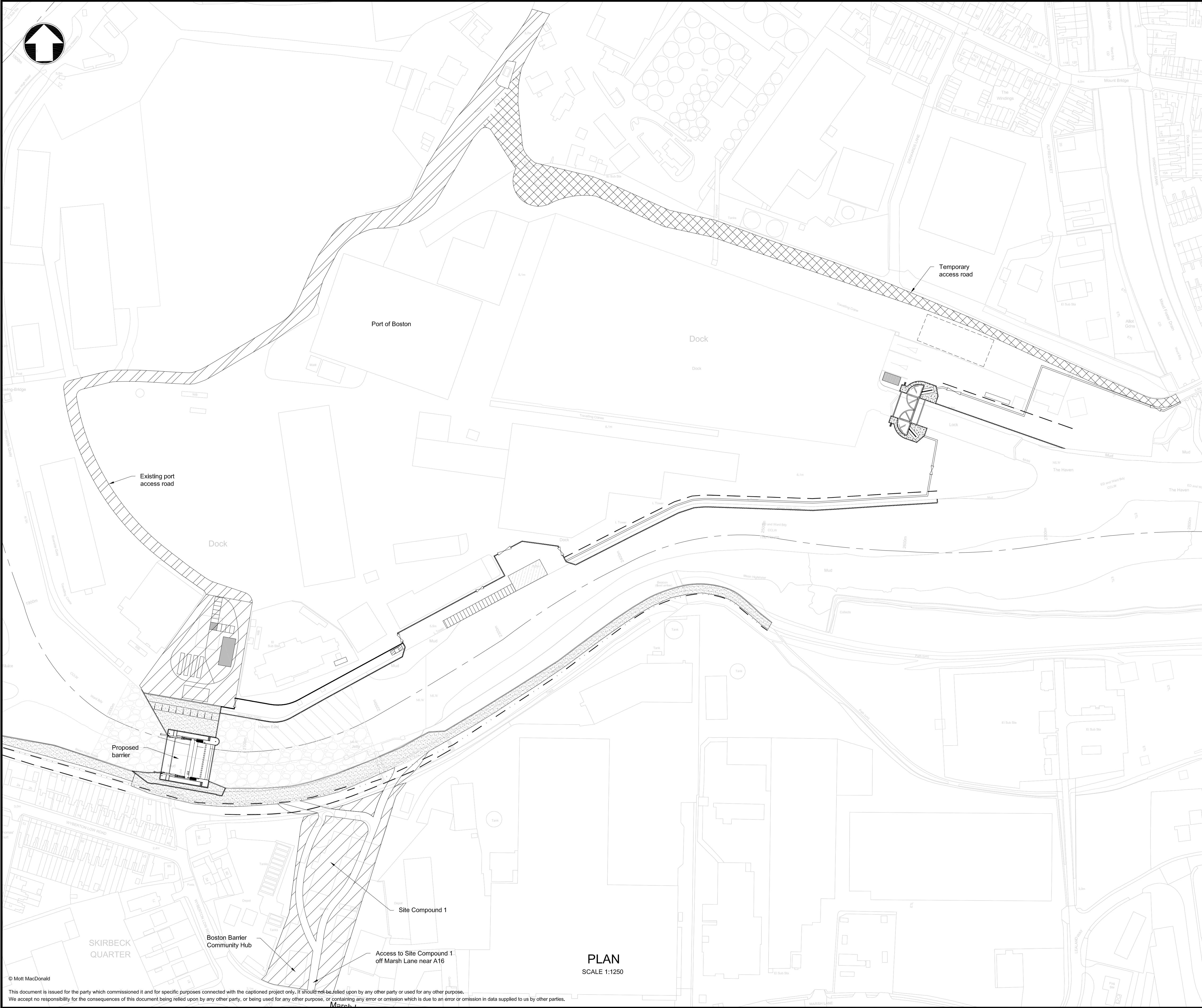
Environment Agency

Title

Boston Barrier Project
Planning Direction Drawings
Barrier Control Building
Services

Designed	L. Griffith	Eng check	S. Solera
Drawn	C. J. Easson	Coordination	T. Wood
Dwg check	T. Wood	Approved	S. Solera
Scale at A1	1:500	Status	PRE
Drawing Number	IMAN001472-PLG-008	Rev	P1

POINT DATA			
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1	532792.001	342976.582	03DRC01
2	532804.741	342962.496	03DRC02
3	532852.911	342934.924	03DRC03
4	532836.447	342866.834	03BBBH03
5	532932.813	342872.477	03FWBH08
6	532841.903	342784.182	03RBWS17
7	532851.091	342783.780	03RBCBR12
8	532932.146	342791.020	03RBCBR11
9	532936.307	342792.372	03RBWS16
10	532973.630	342808.108	03RBCBR10
11	532977.702	342809.717	03RBWS15
12	533002.225	342913.076	03FWBH06



Notes

1. Drawings are indicative for planning purpose only.
2. All levels are in metres above ordnance datum unless otherwise stated.
3. All dimensions are in millimetres unless otherwise stated.

Key to symbols

	Site Compound
	Temporary Access Road
	Existing Port Access Road
	Grout Mattress Erosion Protection
	Temporary Scour Protection
	Gravel Fill
	Existing Load Relieving Platform (Location Indicative Only)
	New Extension of Relieving Platform
	Flood Gate
	Concrete Flood Wall Route
	Sheet Pile Route
	Anchorage Sheet Pile Route
	Existing Sheet Pile Route (alignment indicative only)

Reference drawings

IMAN001472-PLG-010 - Sections

0 62.5m 125m
1:1250
@A1

P1	22/07/2016	CJE	Issue for Planning	PH	EL
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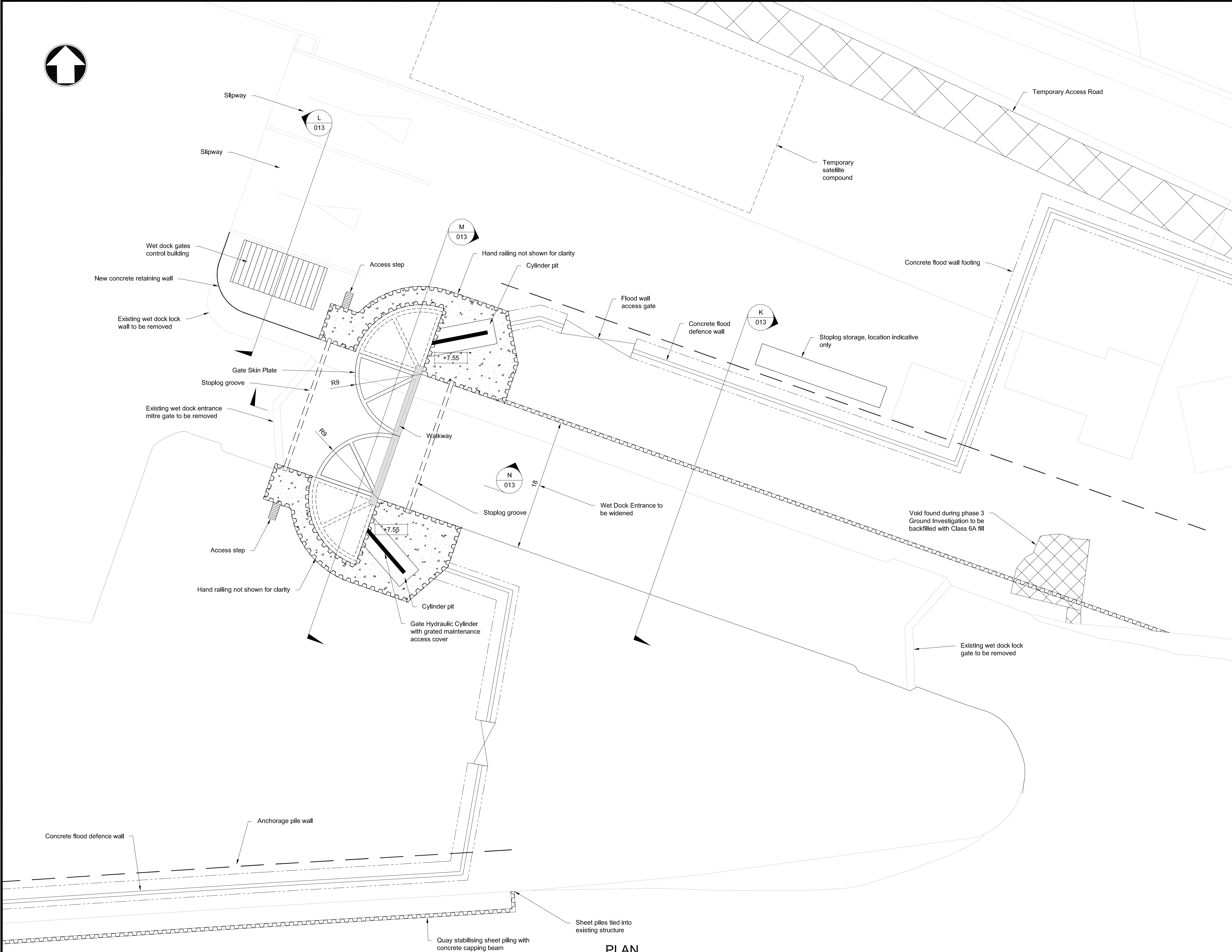
Client

Environment Agency
Kingfisher House
Goldhay Way
Orton Goldhay
Peterborough
PE2 5ZR

Title

**Boston Barrier Project
Planning Direction Drawings
Access Road
General Arrangement**

Designed	S. Golds	Eng check	P. J. Harvey
Drawn	C. J. Easson	Coordination	S. Golds
Dwg check	P. J. Harvey	Approved	M. Taylor
Scale at A1	1:1250	Status	PRE
Drawing Number	IMAN001472-PLG-009	Rev	P1



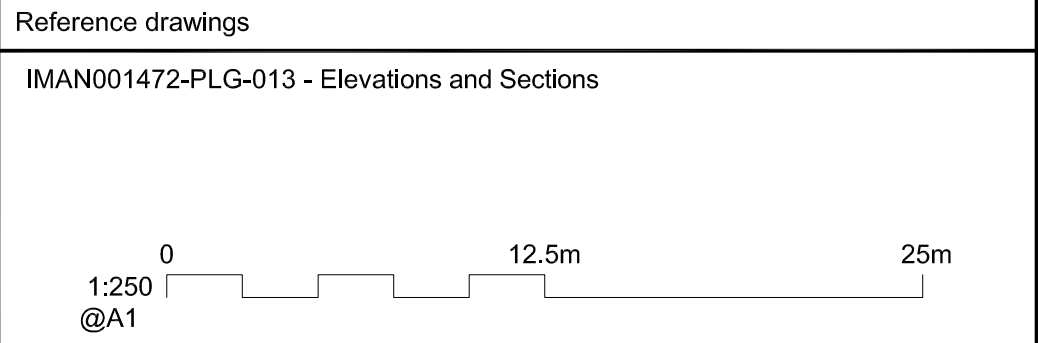
PLAN
SCALE 1:250

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- Notes
1. Drawings are indicative for planning purpose only.
 2. All levels are in metres above ordnance datum unless otherwise stated.
 3. All dimensions are in millimetres unless otherwise stated.

Key to symbols

	Flood Gate
	Concrete Flood Wall Route
	Sheet Pile Route
	Anchor Sheet Pile Route
	Concrete Retaining Wall Footing
	Temporary Access Road



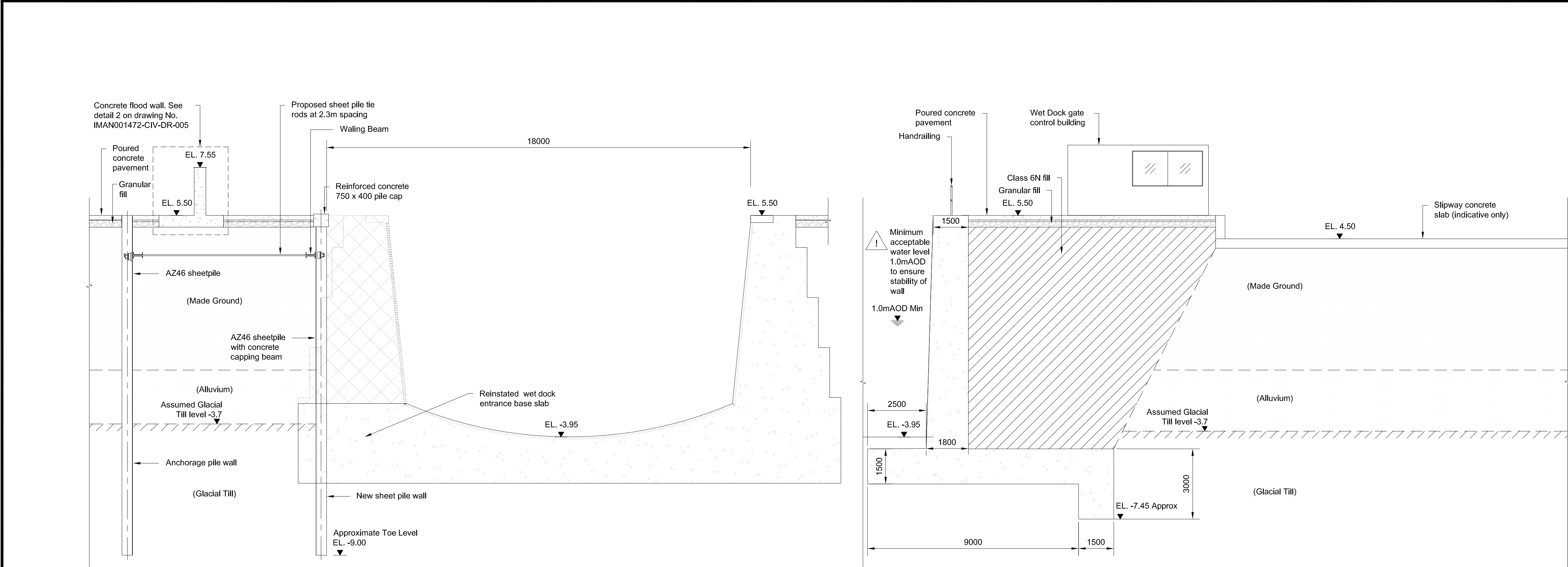
P1	22/07/2016	CJE	Issue for planning	PH	EL
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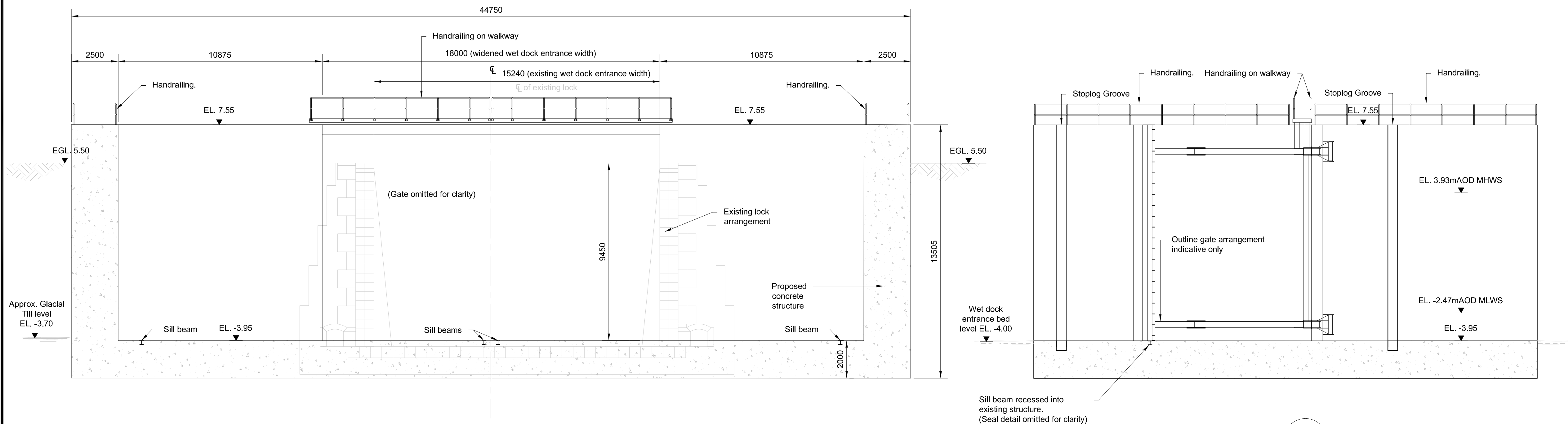
Environment Agency
Kingfisher House
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Orton Goldhay
Peterborough
PE2 5ZR

Title Boston Barrier Project Planning Direction Drawings Port of Boston Gates and Control Kiosk General Arrangement					
Designed	H. Khan		Eng check	P. J. Harvey	
Drawn	C. J. Easson		Coordination	H. Khan	
Dwg check	P. J. Harvey		Approved	M. Taylor	
Scale at A1 1:250		Status PRE		Rev P1	
Drawing Number IMAN001472-PLG-012					



Section K
1:100
012

Section L
1:100
012



Section M
1:125
012

Section N
1:125
012

Notes

- Drawings are indicative for planning purpose only.
- All levels are in metres above ordnance datum unless otherwise stated.
- All dimensions are in millimetres unless otherwise stated.

Reference drawings

IMAN001472-PLG-012 - General Arrangement

0 2.5m 5m
1:50 @A1

0 6.25m 12.5m
1:125 @A1

P1	22/07/2016	CJE	Issue for planning	PH	EL
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Goldhay Way
Orton Goldhay
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PE2 5ZR

Title

Boston Barrier Project
Planning Direction Drawings
Port of Boston Gate
Elevations and Sections

Designed	H. Khan	Eng check	P. J. Harvey
Drawn	C. J. Easson	Coordination	H. Khan
Dwg check	P. J. Harvey	Approved	M. Taylor

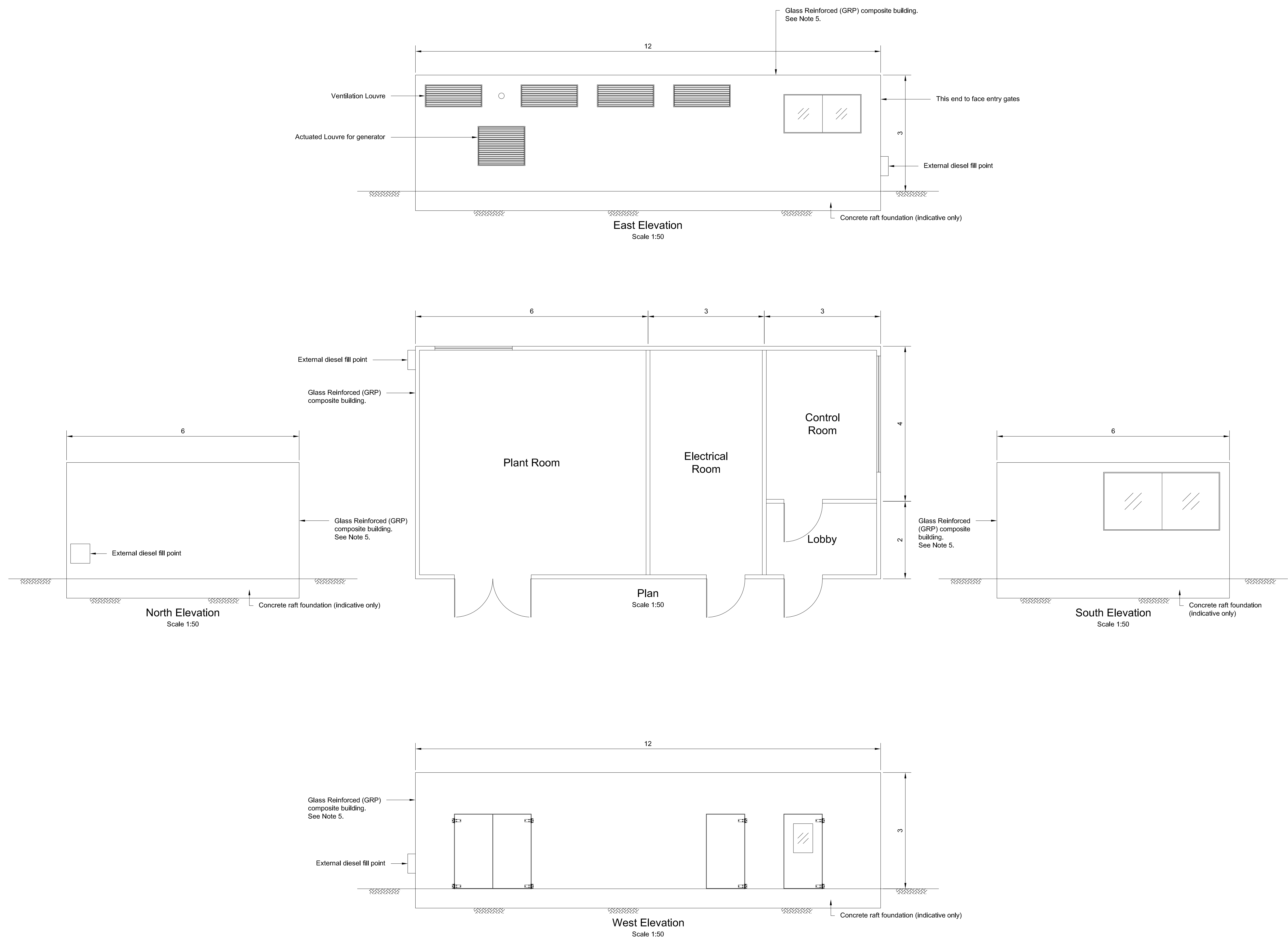
Scale at A1
As Shown

Status
PRE

Rev
P1

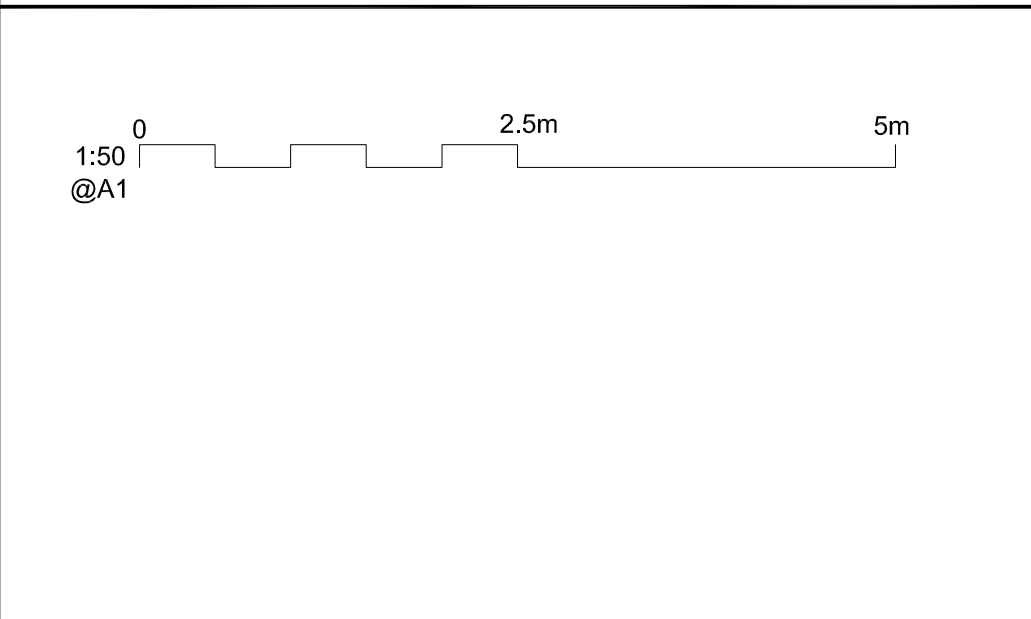
Drawing Number

IMAN001472-PLG-013




- Notes
1. Drawings are indicative for planning purpose only.
 2. All dimensions in metres unless otherwise stated.
 3. All levels in metres above ordnance datum.
 4. Internal Layout is indicative only.
 5. Lighting / Building services omitted for clarity.

Reference drawings



P1	22/07/2016	CJE	Issue for planning	PH	EL
Rev	Date	Drawn	Description	Ch'k'd	App'd



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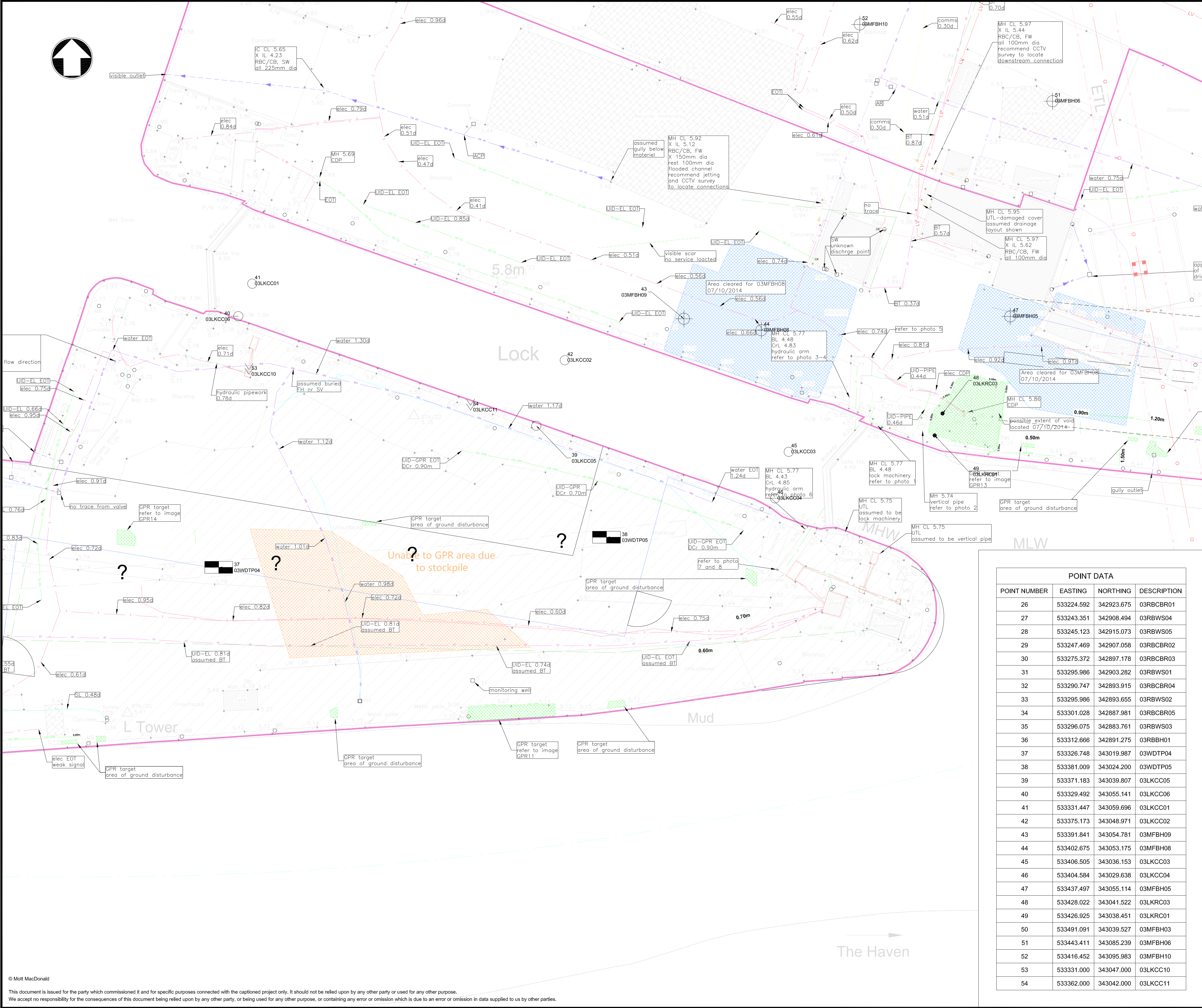


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Kingfisher House
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Title

**Boston Barrier Project
Planning Direction Drawings
Port of Boston Control Kiosk
Control Building Plan and Elevations**

Designed	T. Brown	Eng check	T. Brown
Drawn	C. J. Easson	Coordination	P. J. Harvey
Dwg check	T. Brown	Approved	M. Taylor
Scale at A1	1:50	Status	PRE
Drawing Number	IMAN001472-PLG-014	Rev	P1



Notes

- Drawings are indicative for planning purpose only.
- Services displayed in this drawing are based on drawings: R-S8433 101-112, Issue02 (Tower Surveys) D3-045 SUMO GPR Survey SOR002840 14-10-11 Halcrow's GI Design Drawings IMAN01472-3G1-001-010
- This drawing is provided to the Contractor for information. For avoidance of any doubt, the Contractor shall be responsible for confirming the proximity of exploratory holes to the existing services. The Contractor shall be responsible for the repair of any services struck or damaged.
- Where exploratory holes are shown to be on existing services the hole shall be moved and the new position confirmed by surveying methods prior to commencement of the hole.

Key to symbols

UTILITY LINETYPES

British Telecom	Gas
Cable Television	Heating Pipes
Closed Circuit Television	HV Cables
Communications	Multiple Services Route
Drainage	Oil
Drainage - Combined Water	Oxygen
Drainage - Foul Water	Street Lighting
Drainage - Storm Water	Traffic Signal Loop
Empty Duct	Unknown
Electric	Underground Cable
Fire Hydrant Main	Underground Pipeline
Fibre Optic	Water
Fuel	High Voltage Cables

KEY TO SERVICES

SEWERS

Surface Water Sewer	Rising Main (Surface Water)
Foul or Combined	Rising Main (Foul/Combined)
Decommissioned Sewer	Manhole (Foul or Combined)
Extent of Traceable Plant	Manhole (Surface Water)

WATER

Operational Raw Water	Fire Hydrant
Operational Potable Water	WO Washout
Decommissioned Water	

BT

Overhead Plant	Manhole
Underground Plant	

GAS

LP Mains	
MP Mains	
IP Mains	

ELECTRIC

Overhead Lines	Pylon
LV Underground Cables	
Underground Cables (11kV, 33kV, 132kV) voltage specified in linetype	
Decommissioned Underground Cables (LV, 11kV, 33kV, 132kV) voltage specified in linetype	
Electricity cable (voltage unknown)	

MISC

UNK - Unknown Buried Service	
Flood Wall Alignment	
Extent of Tower Survey Area	
GPR anomaly for information see Tower Surveys Report	
Area Unable to GPR - Unidentified	
Area Cleared of Voids - 17/10/2014	
Service - Identified on GPR	
Extent of Utility Survey by Sumo Service Ltd	

POINT DATA

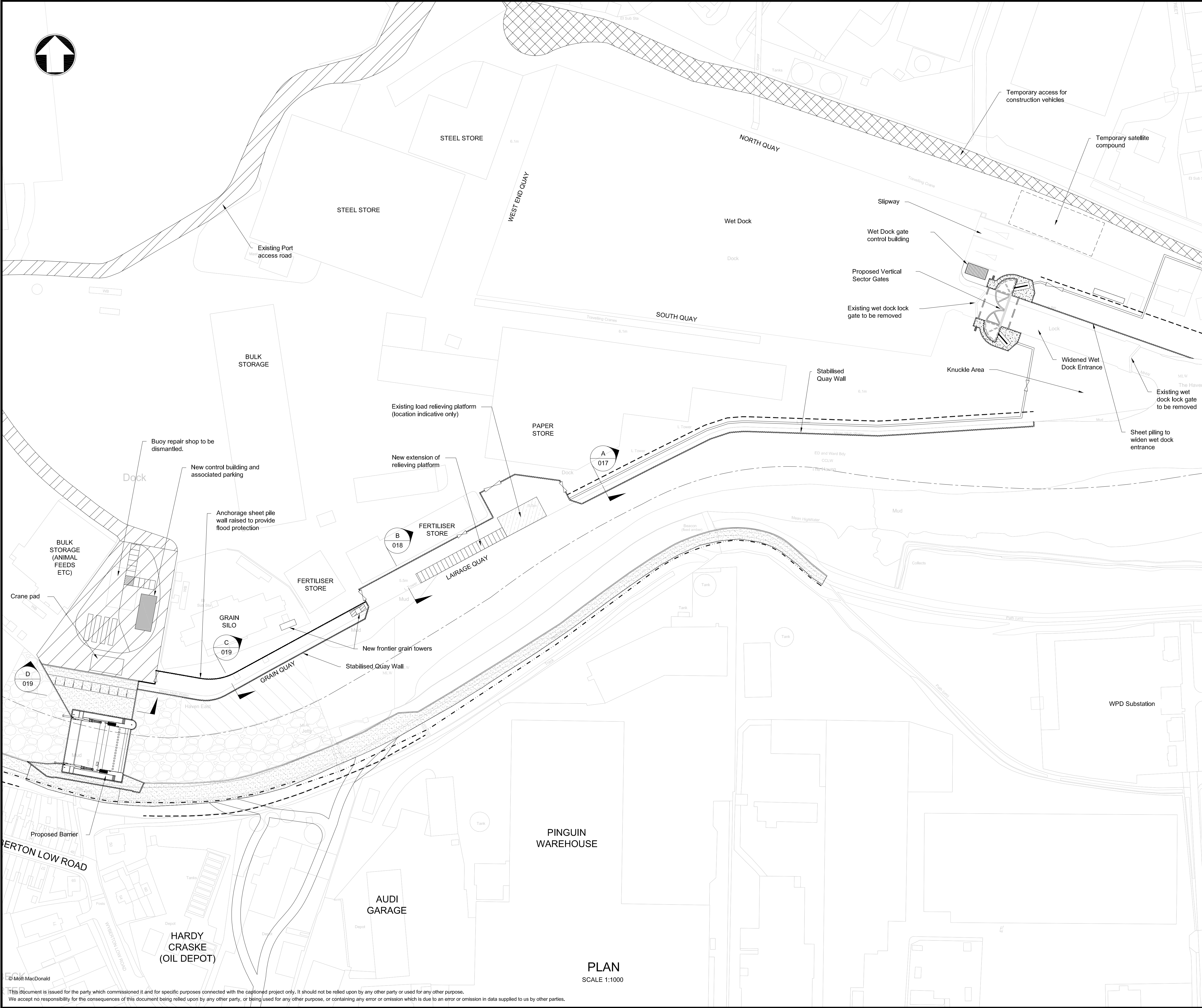
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28	533245.123	342915.073	03RBSW05
29	533247.469	342907.058	03RBCBR02
30	533275.372	342897.178	03RBCBR03
31	533295.986	342903.282	03RBSW01
32	533290.747	342893.915	03RBCBR04
33	533295.986	342893.655	03RBSW02
34	533301.028	342887.981	03RBCBR05
35	533296.075	342883.761	03RBSW03
36	533312.666	342891.275	03RBBH01
37	533326.748	343019.987	03WDTP04
38	533381.009	343024.200	03WDTP05
39	533371.183	343039.807	03LKCC05
40	533329.492	343055.141	03LKCC06
41	533331.447	343059.696	03LKCC01
42	533375.173	343048.971	03LKCC02
43	533391.841	343054.781	03MFBH09
44	533402.675	343053.175	03MFBH08
45	533406.505	343036.153	03LKCC03
46	533404.584	343029.638	03LKCC04
47	533437.497	343055.114	03MFBH05
48	533428.022	343041.522	03LKRC03
49	533426.925	343038.451	03LKRC01
50	533491.091	343039.527	03MFBH03
51	533443.411	343085.239	03MFBH06
52	533416.452	343095.983	03MFBH10
53	533331.000	343047.000	03LKCC10
54	533362.000	343042.000	03LKCC11

Client

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Boston Barrier Project
Planning Direction Drawings
Port of Boston Gates and Control Kiosk Services

Designed	L. Griffith	Eng check	S. Solera
Drawn	C. J. Easson	Coordination	T. Wood
Dwg check	T. Wood	Approved	S. Solera
Scale at A1	1:500	Status	PRE
Drawing Number	IMAN001472-PLG-015	Rev	P1



Notes

1. Drawings are indicative for planning purpose only.
2. All levels are in metres above ordnance datum unless otherwise stated.
3. All dimensions are in millimetres unless otherwise stated.

Key to symbols

	Grout Mattress Erosion Protection
	Temporary Scour Protection
	Temporary Access Road
	Gravel Fill
	Site Compound
	Existing port access Road
	Existing Load Relieving Platform (Location Indicative Only)
	New Extension of Relieving Platform
	Flood Gate
	Concrete Flood Wall Route
	Sheet Pile Route
	Anchorage Sheet Pile Route
	Existing Sheet Pile Route (alignment indicative only)

Reference drawings

IMAN001472-PLG-017 - Elevations and Sections (Sheet 1 of 4)
IMAN001472-PLG-018 - Elevations and Sections (Sheet 2 of 4)
IMAN001472-PLG-019 - Elevations and Sections (Sheet 3 of 4)
IMAN001472-PLG-020 - Elevations and Sections (Sheet 4 of 4)

0 50m 100m
1:1000 @A1

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Title

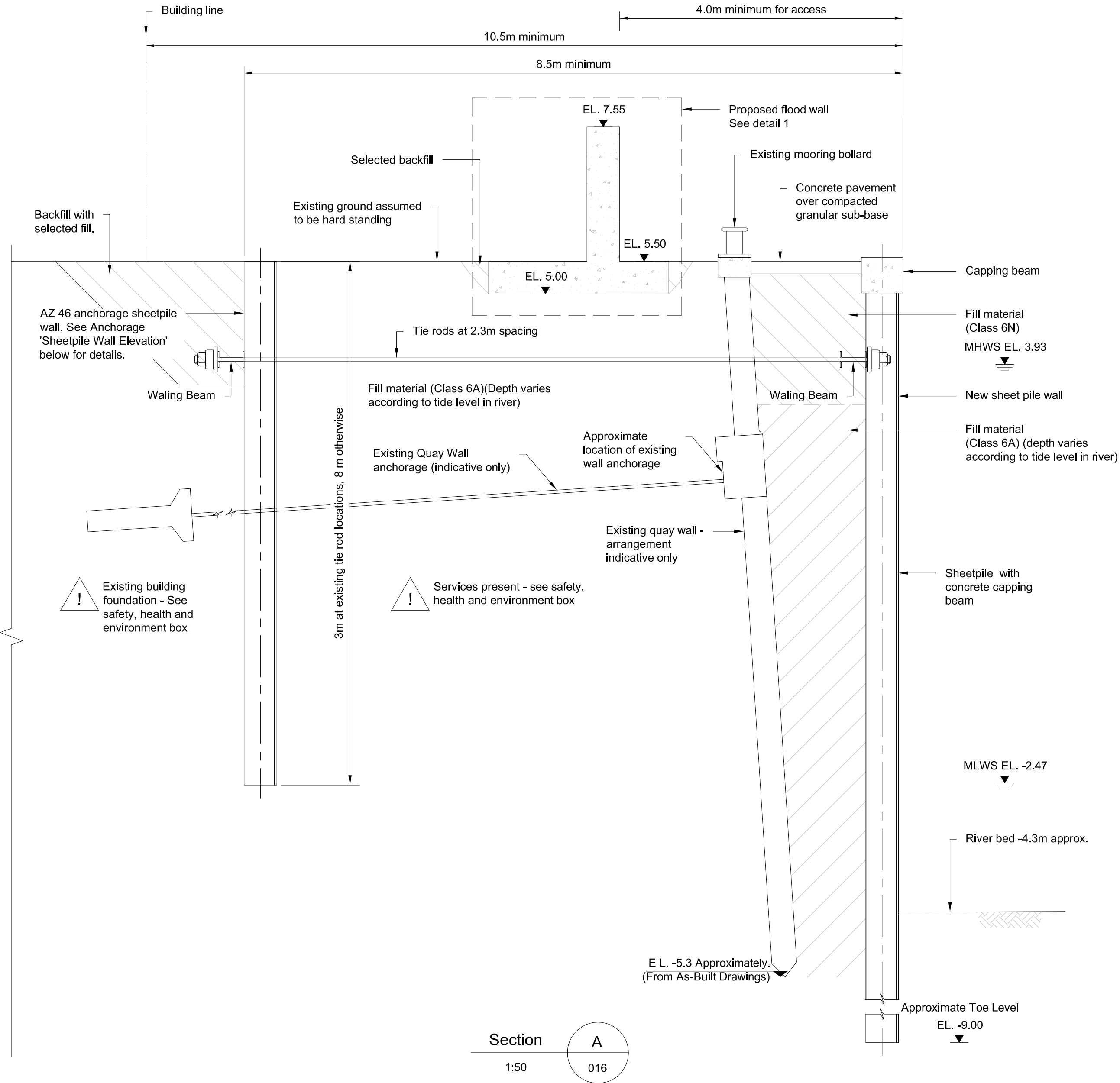
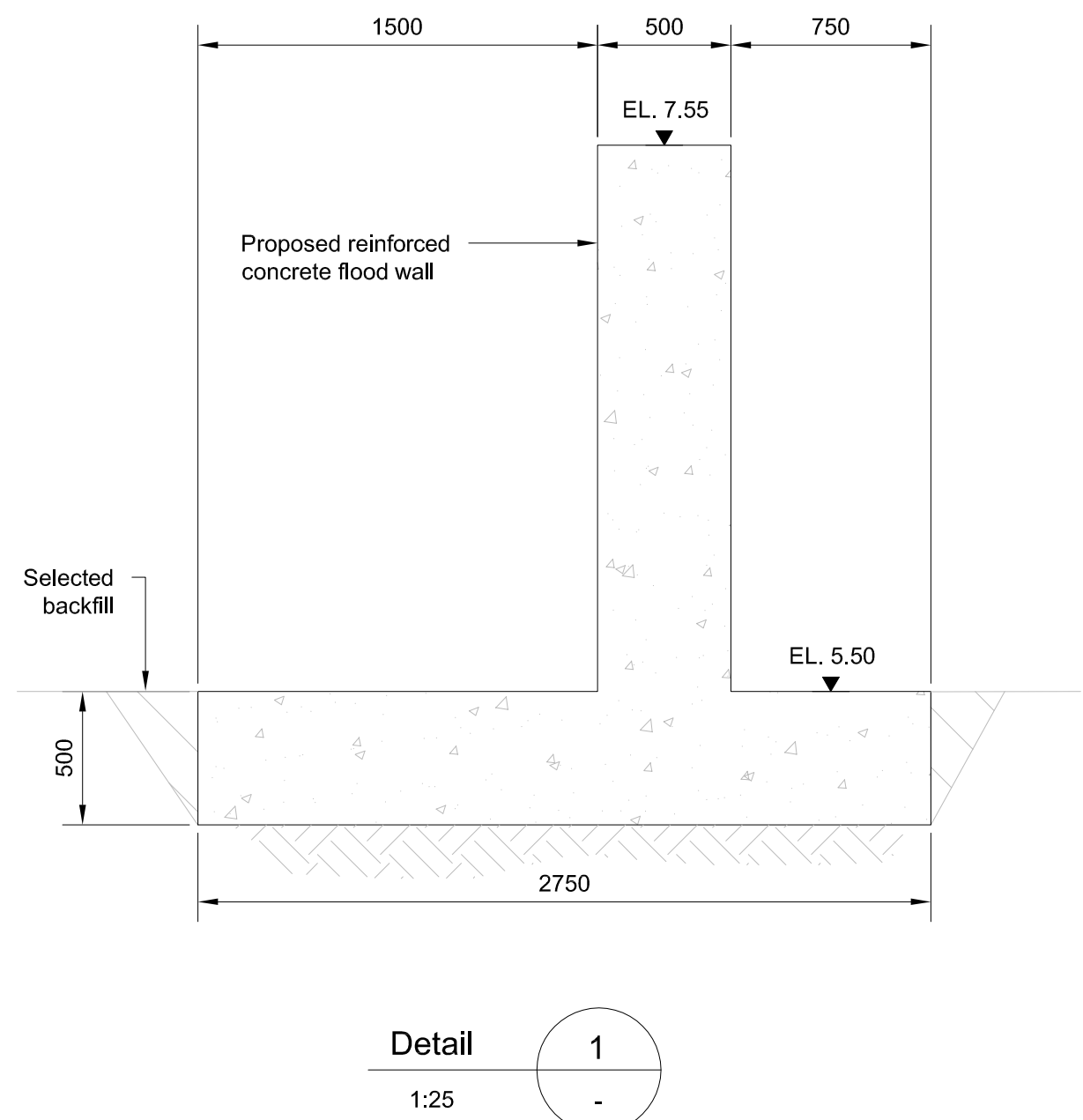
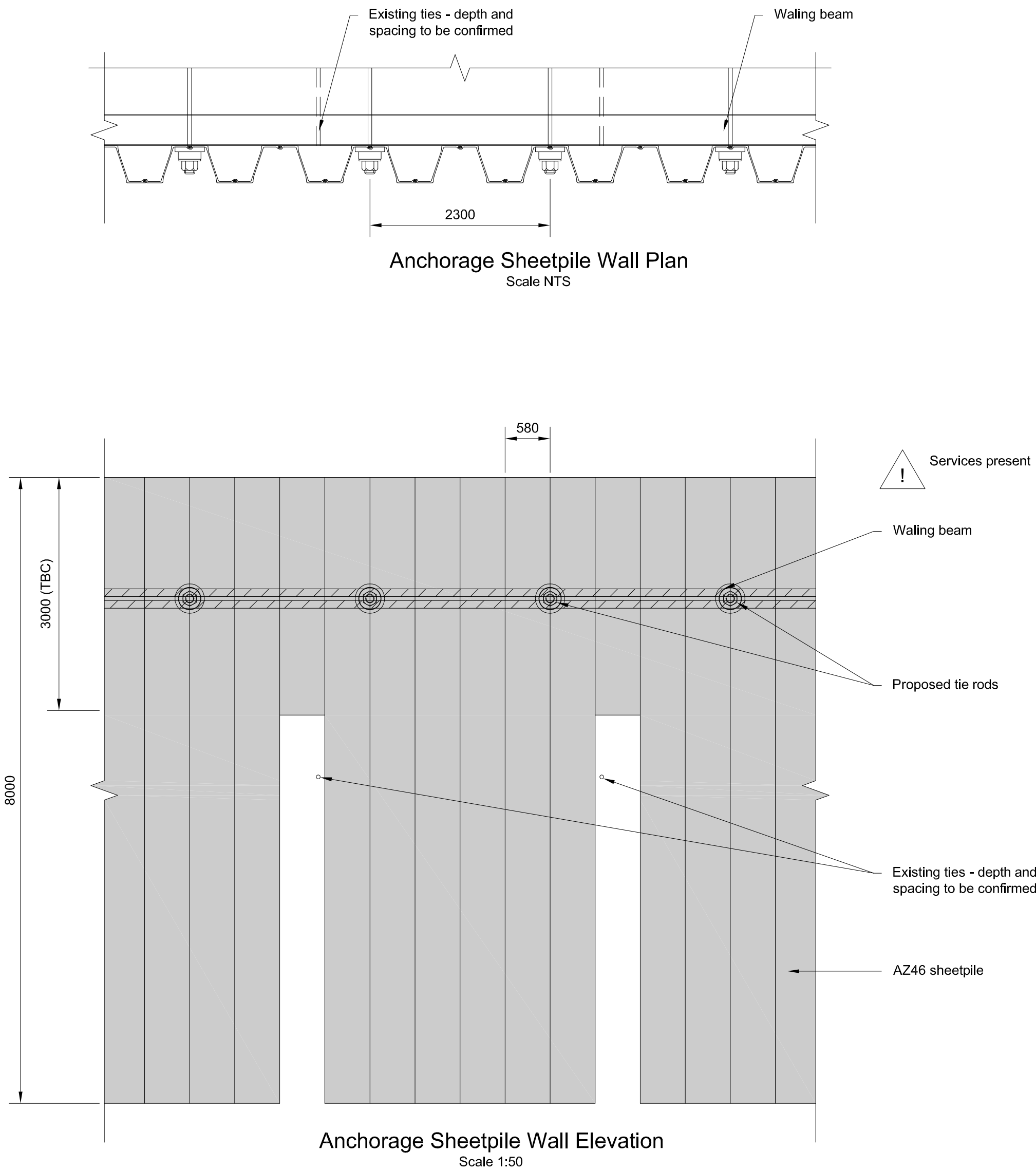
**Boston Barrier Project
Planning Direction Drawings
Left Bank Flood Wall
General Arrangement**

Designed	H. Khan	Eng check	P. Harvey
Drawn	C. J. Easson	Coordination	H. Khan
Dwg check	P. Harvey	Approved	M. Taylor
Scale at A1	1:1000	Status	PRE
Drawing Number	IMAN001472-PLG-016	Rev	P1

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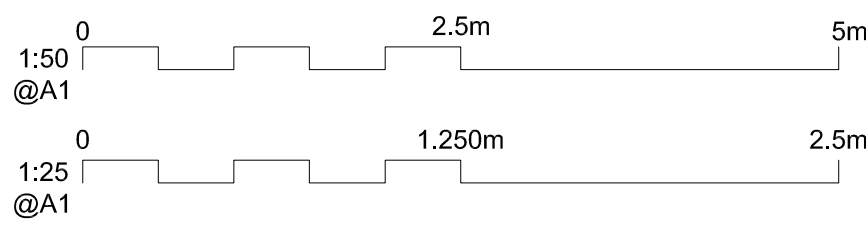
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- Notes
1. Drawings are indicative for planning purpose only.
 2. All dimensions in millimetres unless otherwise stated.
 3. All levels in metres above ordnance datum.

Reference drawings

IMAN001472-PLG-016 - General Arrangement



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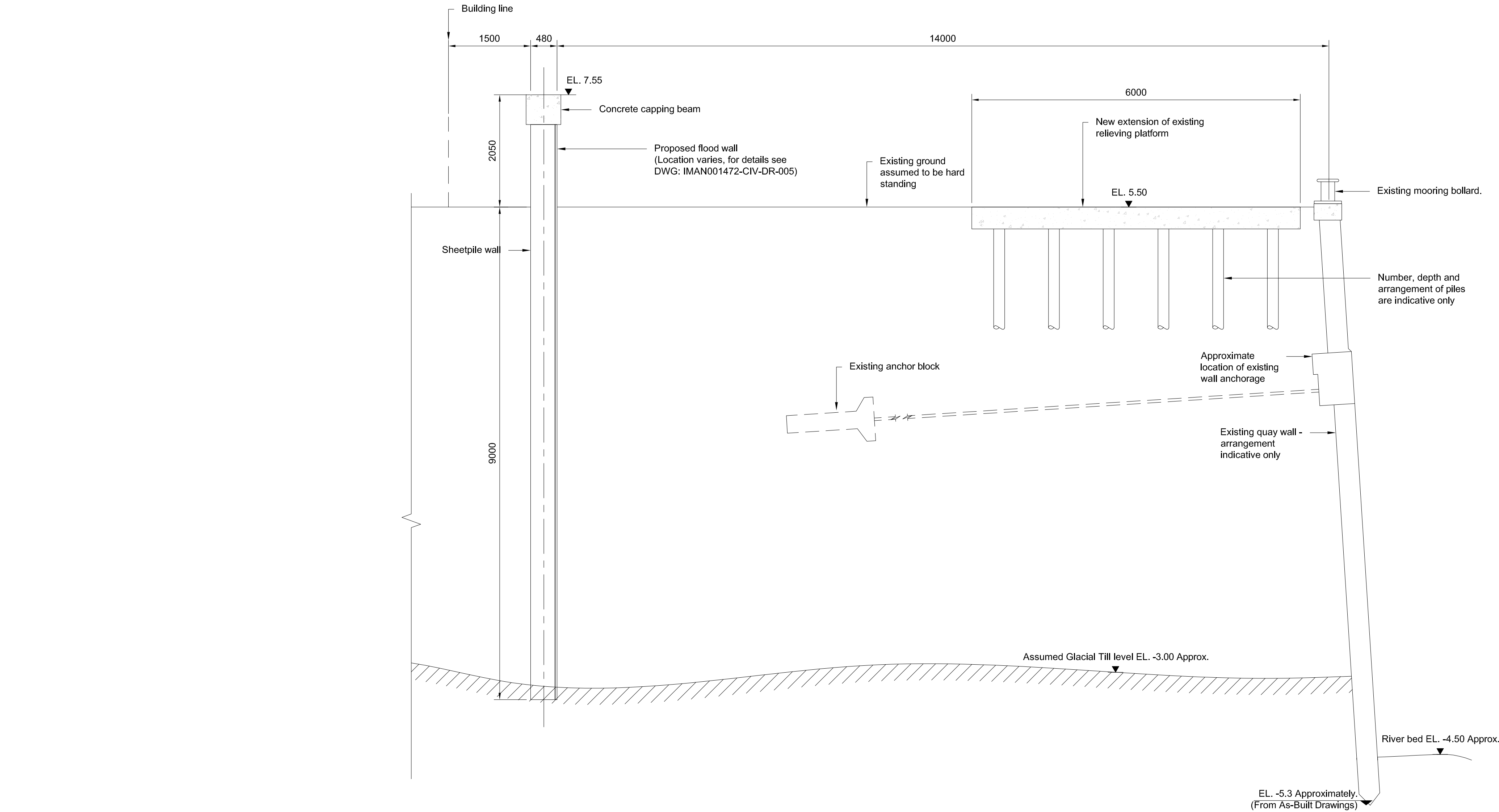
Title

**Boston Barrier Project
Planning Direction Drawings
Left Bank Flood Wall
Elevation and Sections
Sheet 1 of 4**

Designed	H. Khan	Eng check	P. J. Harvey
Drawn	C. J. Easson	Coordination	H. Khan
Dwg check	P. J. Harvey	Approved	M. Taylor
Scale at A1	1:50	Status	PRE
		Rev	P1

Drawing Number

IMAN001472-PLG-017



Section

B

1:50

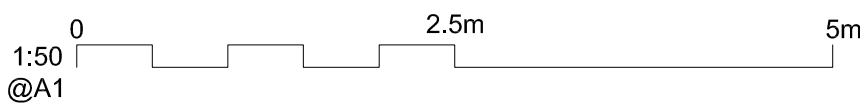
016

Notes

1. Drawings are indicative for planning purpose only.
2. All dimensions in millimetres unless otherwise stated.
3. All levels in metres above ordnance datum.

Reference drawings

IMAN001472-PLG-016 - General Arrangement



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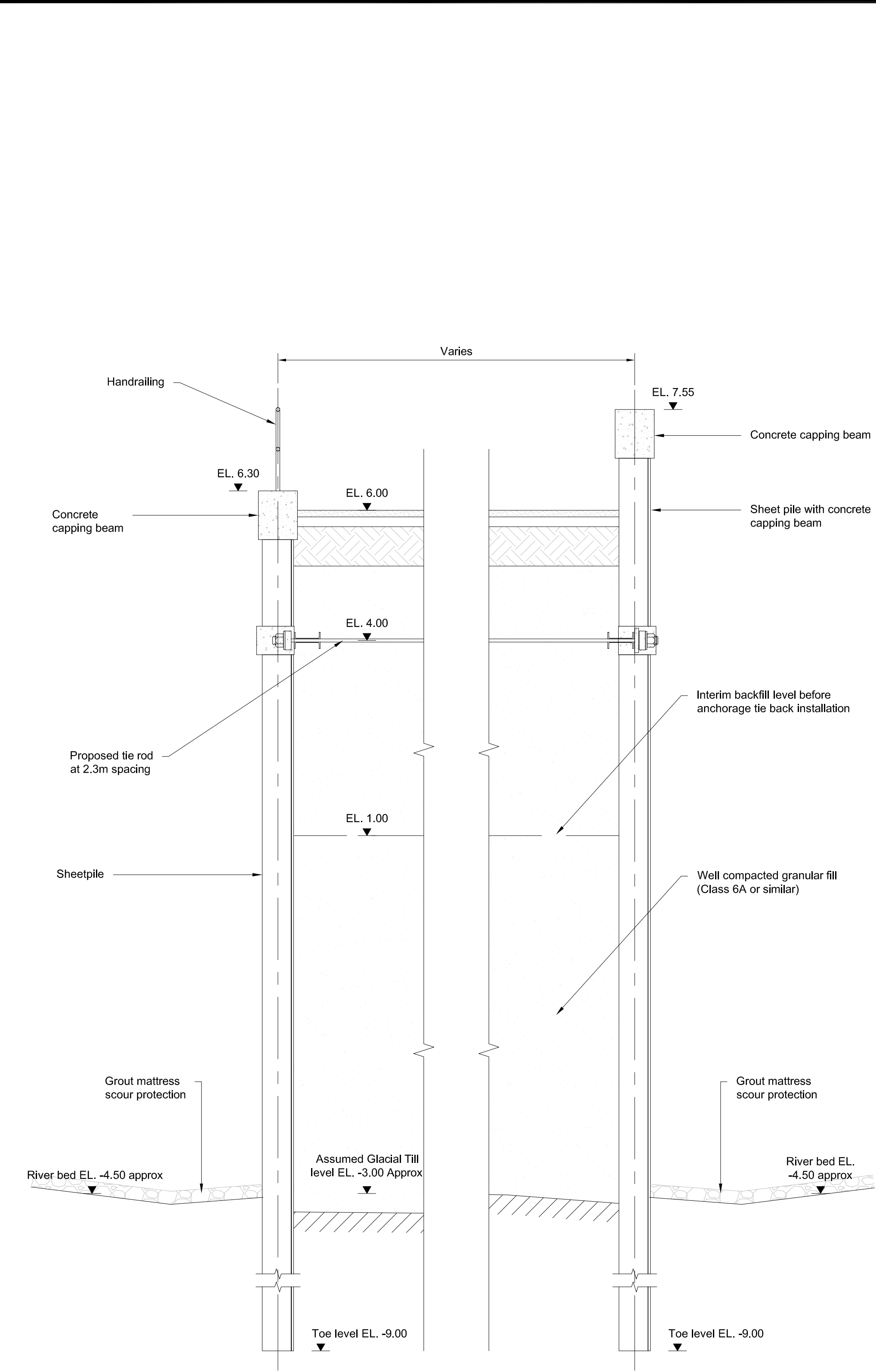
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Boston Barrier Project
Planning Direction Drawings
Left Bank Flood Wall
Elevation and Sections
Sheet 2 of 4

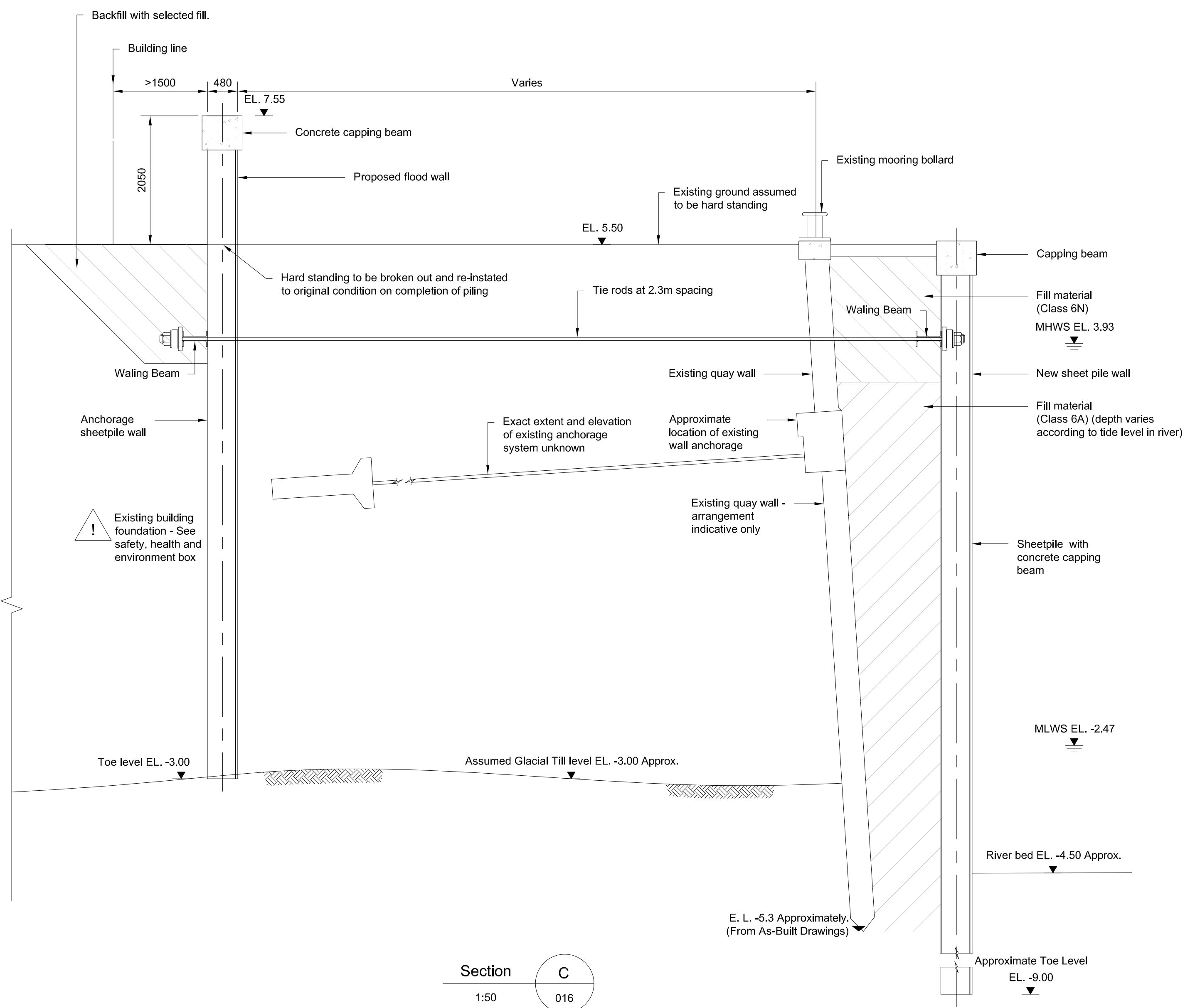
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Drawn	C. J. Easson	Coordination	H. Khan
Dwg check	P. J. Harvey	Approved	M. Taylor
Scale at A1	1:50	Status	PRE
		Rev	P1

Drawing Number

IMAN001472-PLG-018



Section D
1:100

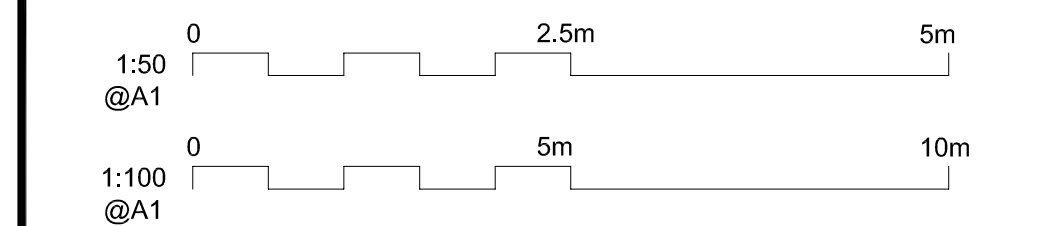


Section C
1:50


- Notes
1. Drawings are indicative for planning purpose only.
 2. All dimensions in millimetres unless otherwise stated.
 3. All levels in metres above ordnance datum.

Reference drawings

IMAN001472-PLG-016 - General Arrangement



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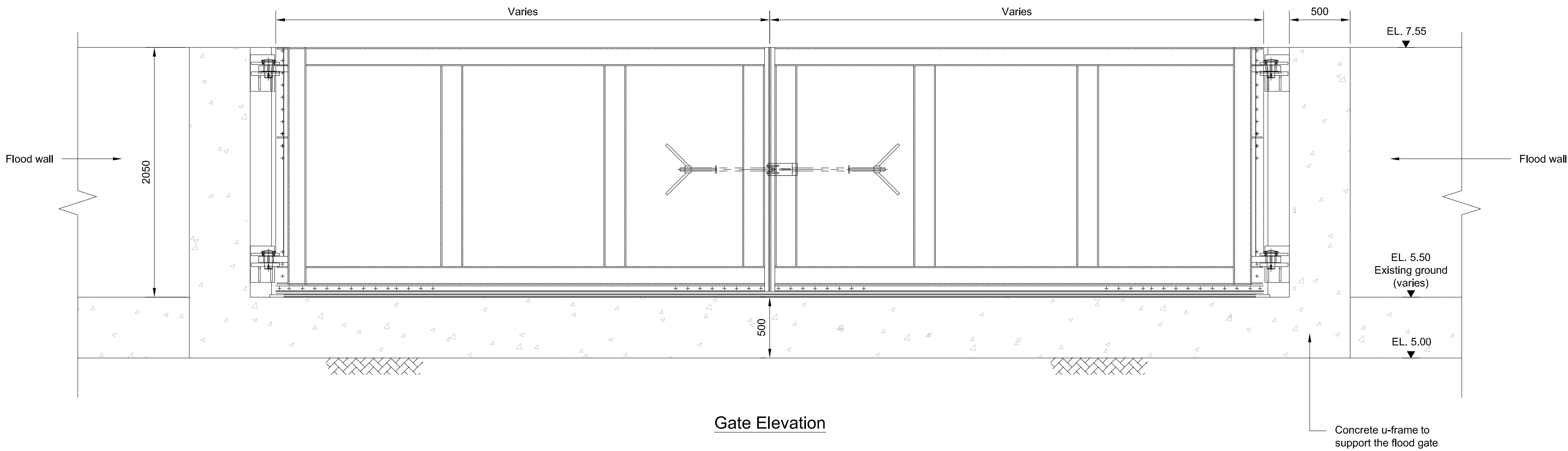
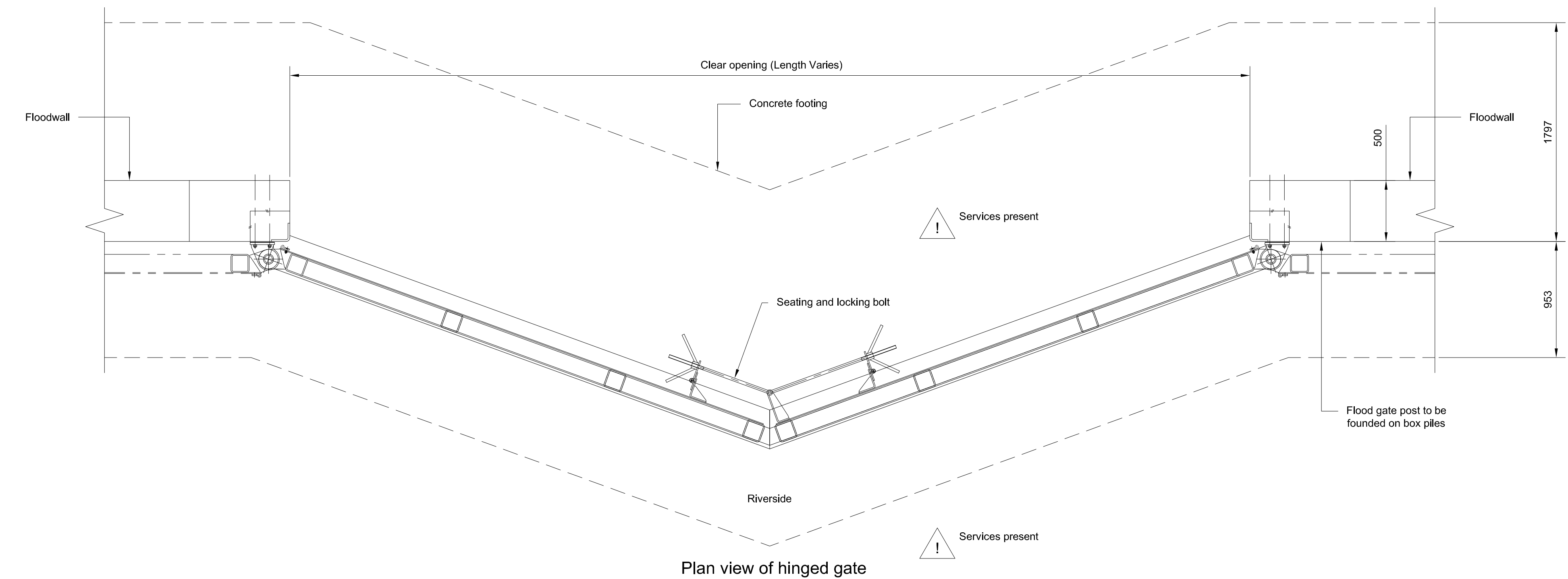


Environment Agency
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Title

**Boston Barrier Project
Planning Direction Drawings
Left Bank Flood Wall
Elevation and Sections
Sheet 3 of 4**

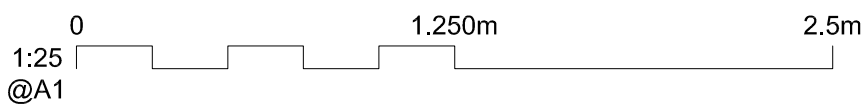
Designed	H. Khan	Eng check	P. J. Harvey	
Drawn	C. J. Easson	Coordination	H. Khan	
Dwg check	P. J. Harvey	Approved	M. Taylor	
Scale at A1	As Shown	Status	PRE	Rev
Drawing Number	IMAN001472-PLG-019			



Typical Flood Gate Arrangement
Scale 1:25

- Notes
1. Drawings are indicative for planning purpose only.
 2. All dimensions in millimetres unless otherwise stated.
 3. All levels in metres above ordnance datum.

Reference drawings
IMAN001472-PLG-016 - General Arrangement



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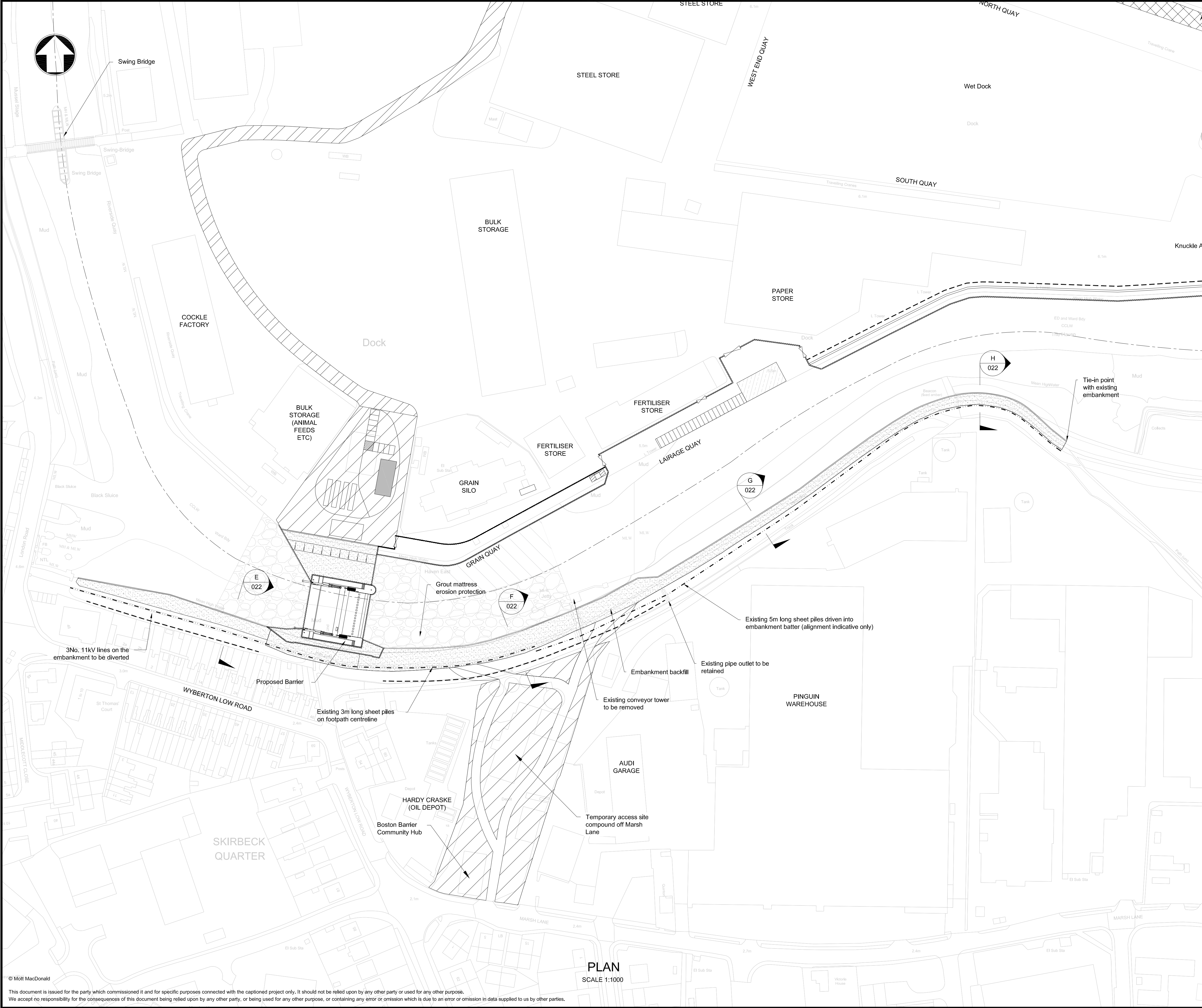
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Title
**Boston Barrier Project
Planning Direction Drawings
Left Bank Flood Wall
Elevation and Sections
Sheet 4 of 4**

Designed	S. Golds	Eng check	T. Brown
Drawn	C. J. Easson	Coordination	H. Khan
Dwg check	P. J. Harvey	Approved	M. Taylor

Scale at A1	Status	Rev
1:25	PRE	P1

Drawing Number
IMAN001472-PLG-020



Notes

1. Drawings are indicative for planning purpose only.
2. All levels are in metres above ordnance datum unless otherwise stated.
3. All dimensions are in millimetres unless otherwise stated.

Key to symbols

	Grout Mattress Erosion Protection
	Temporary Scour Protection
	Temporary Access Road
	Gravel Fill
	Site Compound
	Existing Port Access Road
	Existing Load Relieving Platform (Location Indicative Only)
	New Extension of Relieving Platform
	Flood Gate
	Concrete Flood Wall Route
	Sheet Pile Route
	Anchorage Sheet Pile Route
	Existing Sheet Pile Route (alignment indicative only)

Reference drawings

IMAN001472-PLG-022 - Sections

0 50m 100m
1:1000 @A1

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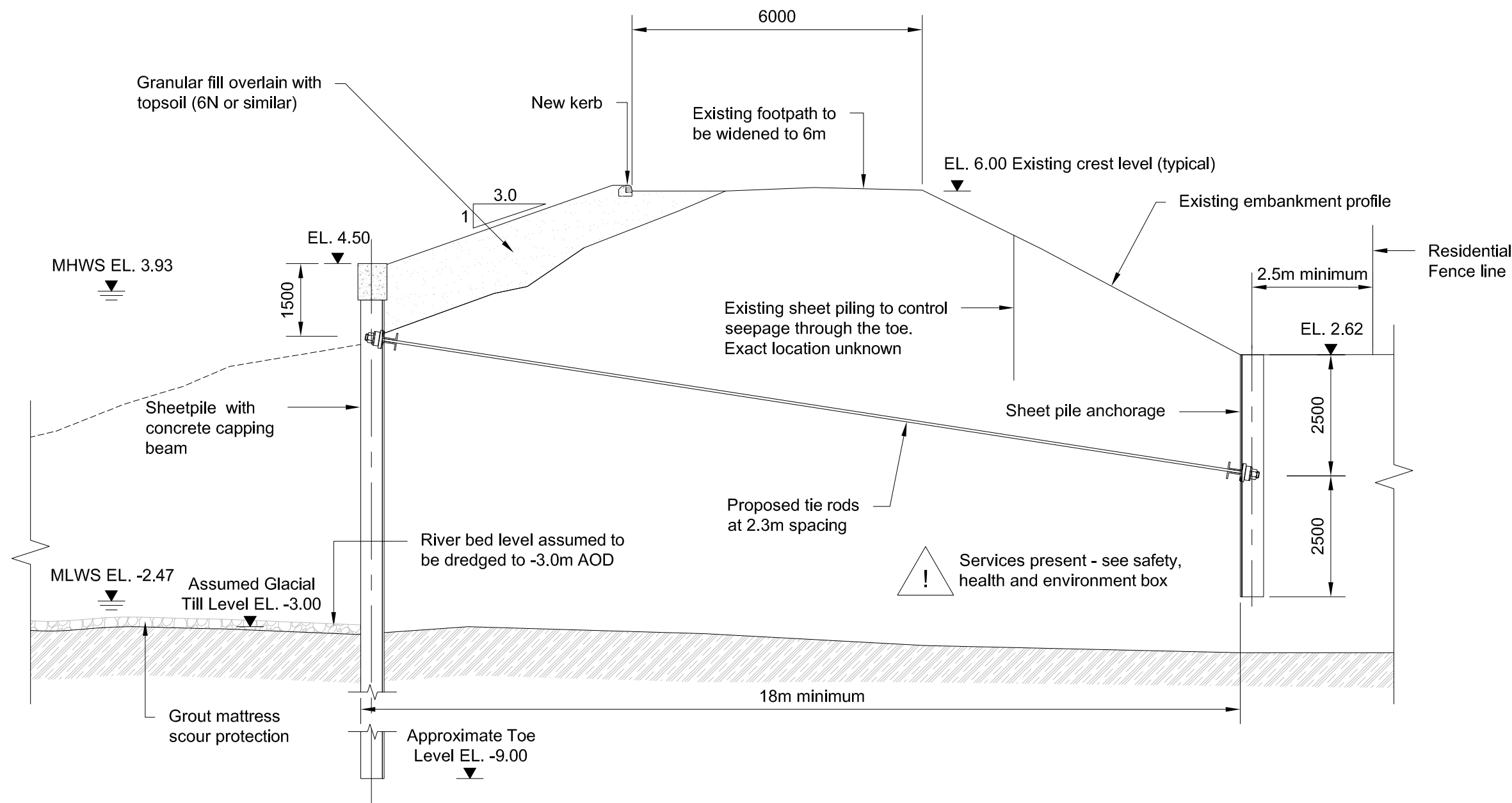
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Title

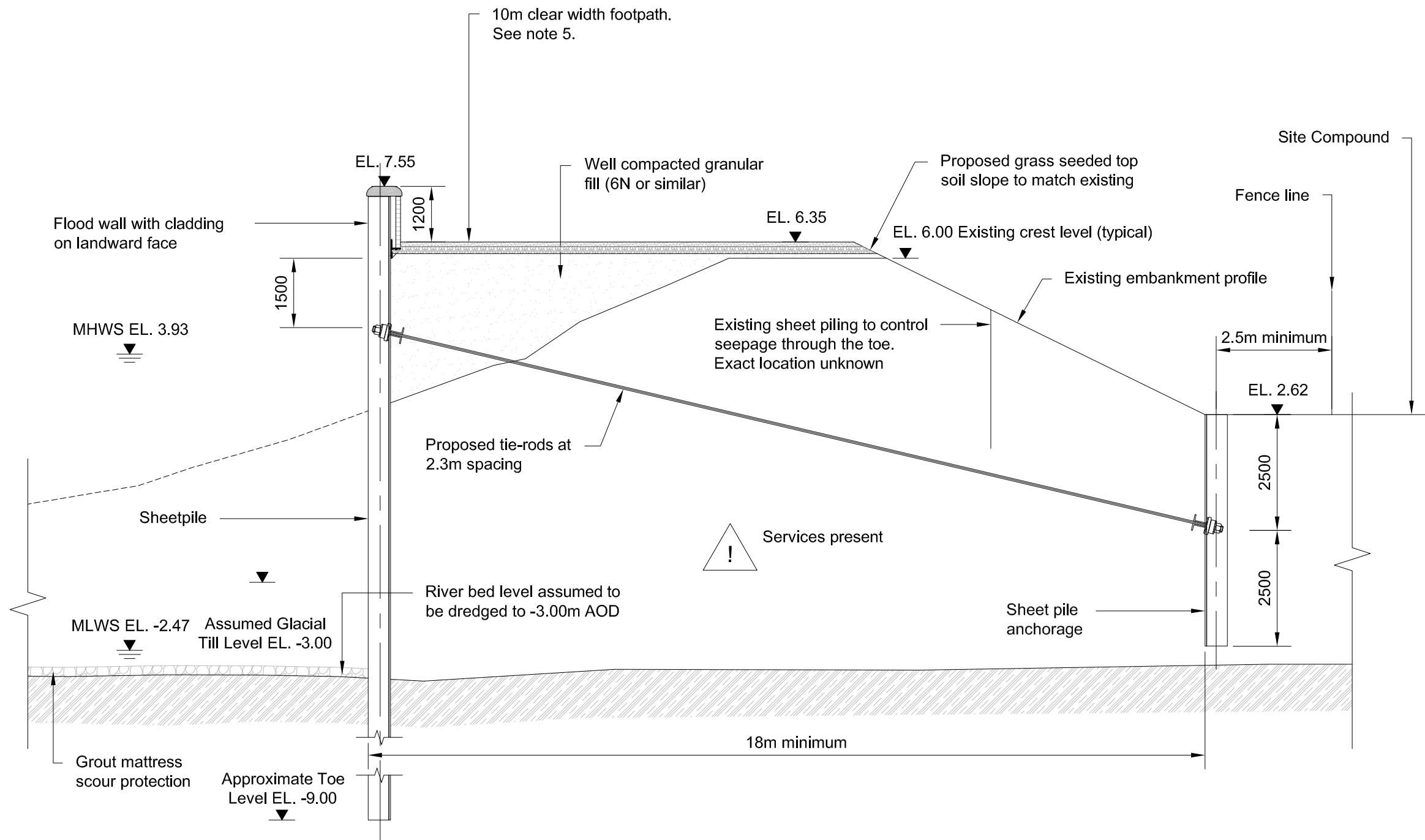
Boston Barrier Project
Planning Direction Drawings
Right Bank Flood Wall
General Arrangement

Designed	H. Khan	Eng check	P. Harvey
Drawn	C. J. Easson	Coordination	H. Khan
Dwg check	P. Harvey	Approved	M. Taylor
Scale at A1	1:1000	Status	PRE
Drawing Number	IMAN001472-PLG-021	Rev	P1

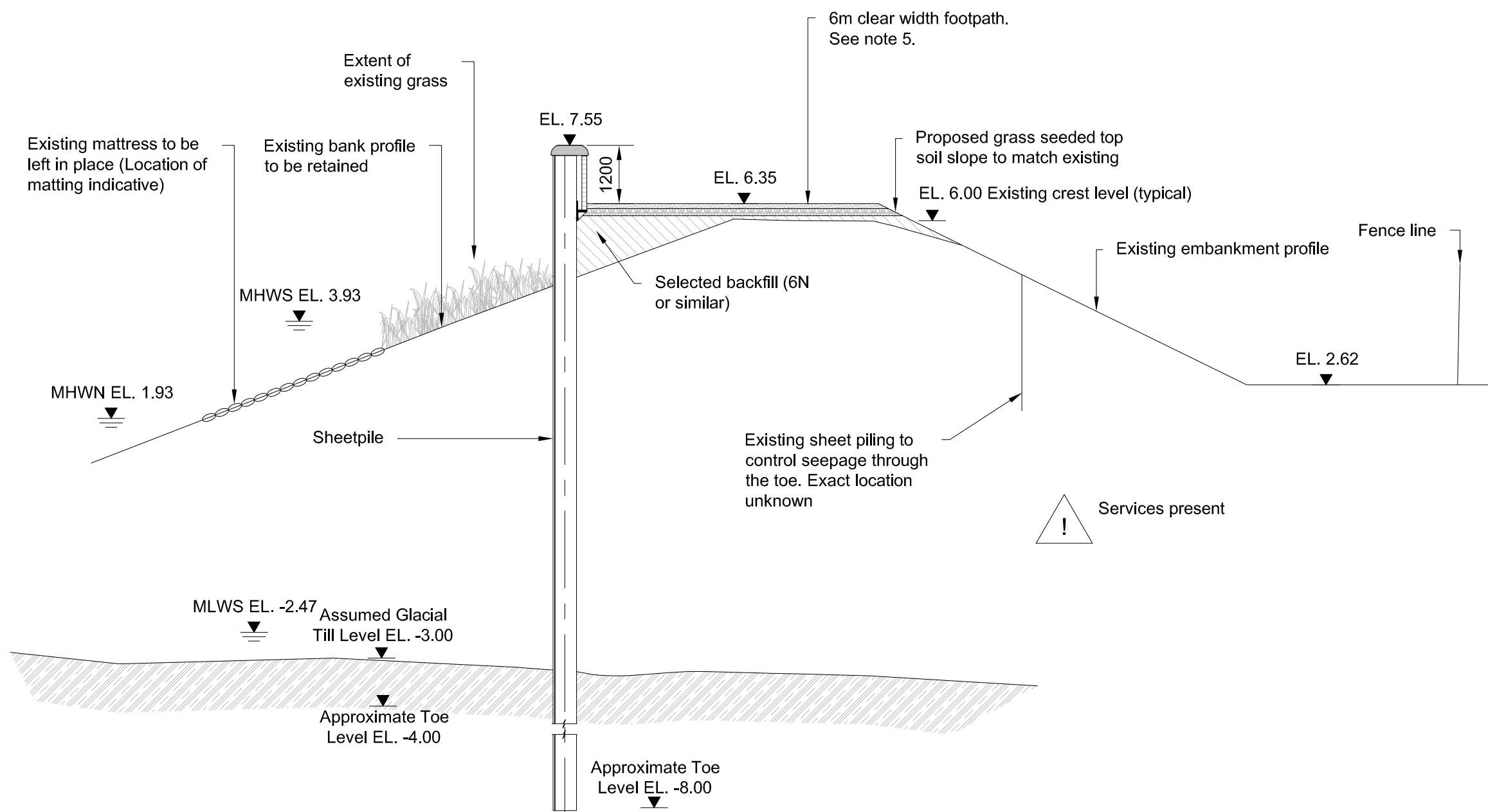
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SCALE 1:1000



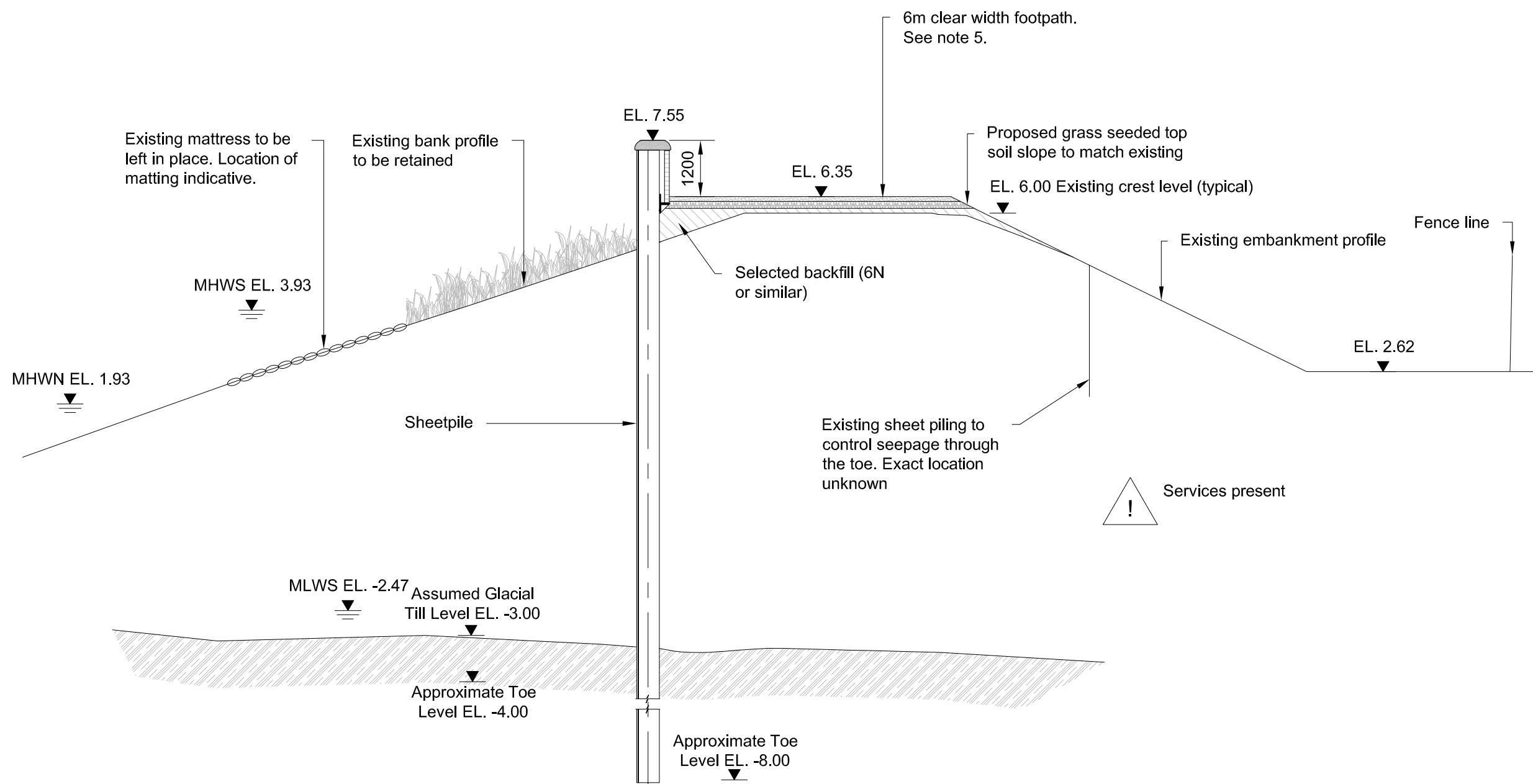
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021



Section F
1:100
021



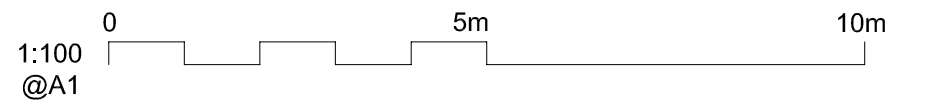
Section G
1:100
021



Section H
1:100
021

- Notes
1. Drawings are indicative for planning purpose only.
 2. All dimensions in millimetres unless otherwise stated.
 3. All levels in metres above ordnance datum.

Reference drawings
IMAN001472-PLG-021 - General Arrangement



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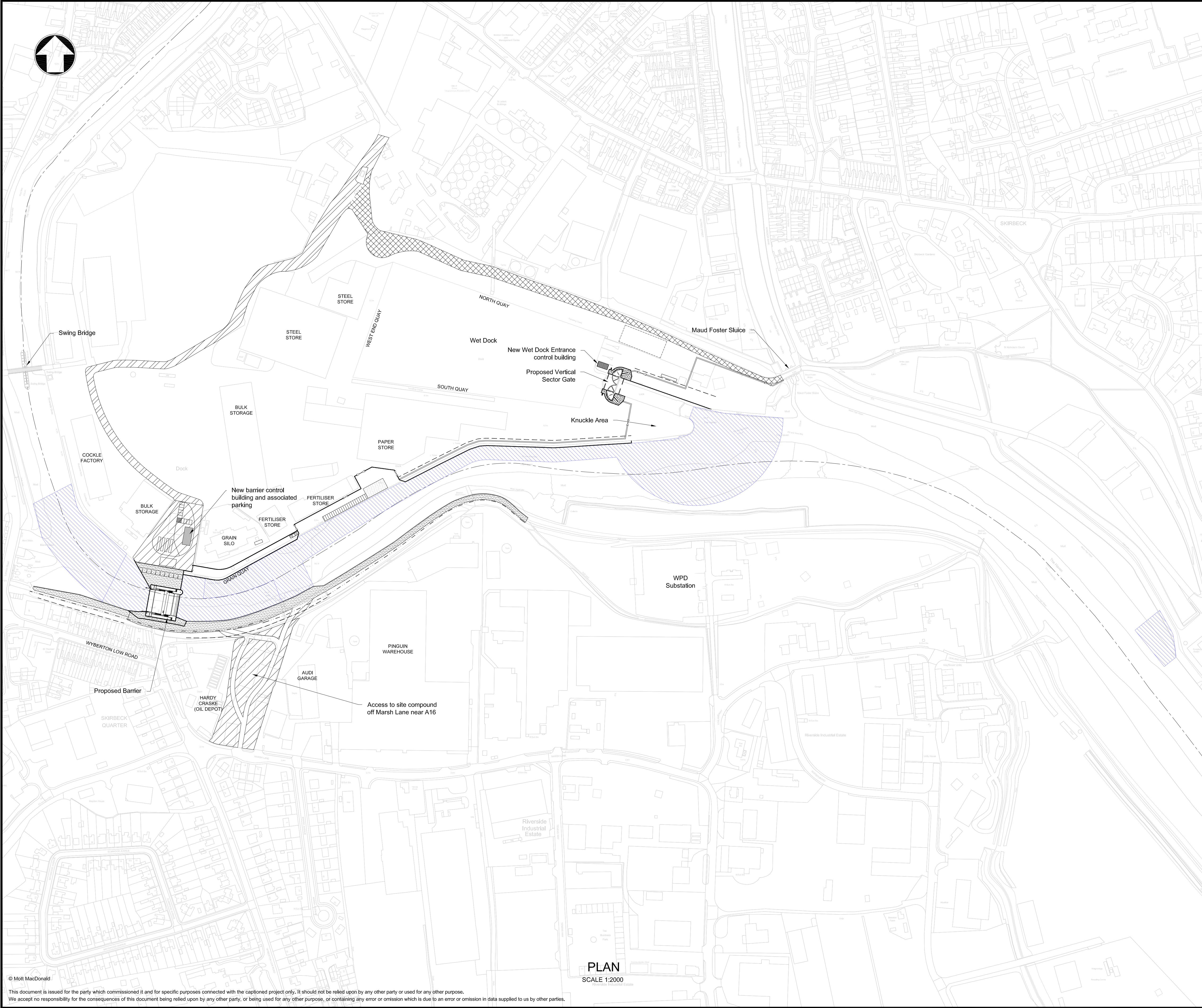
Environment Agency
Kingfisher House
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Peterborough
PE2 5ZR

Title
Boston Barrier Project
Planning Direction Drawings
Right Bank Flood Wall
Sections

Designed	H. Khan	Eng check	P. J. Harvey
Drawn	C. J. Easson	Coordination	H. Khan
Dwg check	P. J. Harvey	Approved	M. Taylor

Scale at A1	1:100	Status	PRE	Rev	P1
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Drawing Number
IMAN001472-PLG-022



- Notes
1. Drawings are indicative for planning purpose only.
 2. All levels are in metres above ordnance datum unless otherwise stated.
 3. All dimensions are in millimetres unless otherwise stated.

Key to symbols

- Flood Gate
- Concrete Flood Wall Route
- Sheet Pile Route
- Anchorage Sheet Pile Route
- Existing Sheet Pile Route (Alignment indicative only)
- Extent of Capital Dredging

Reference drawings

0 100m 200m

1:2000 @A1

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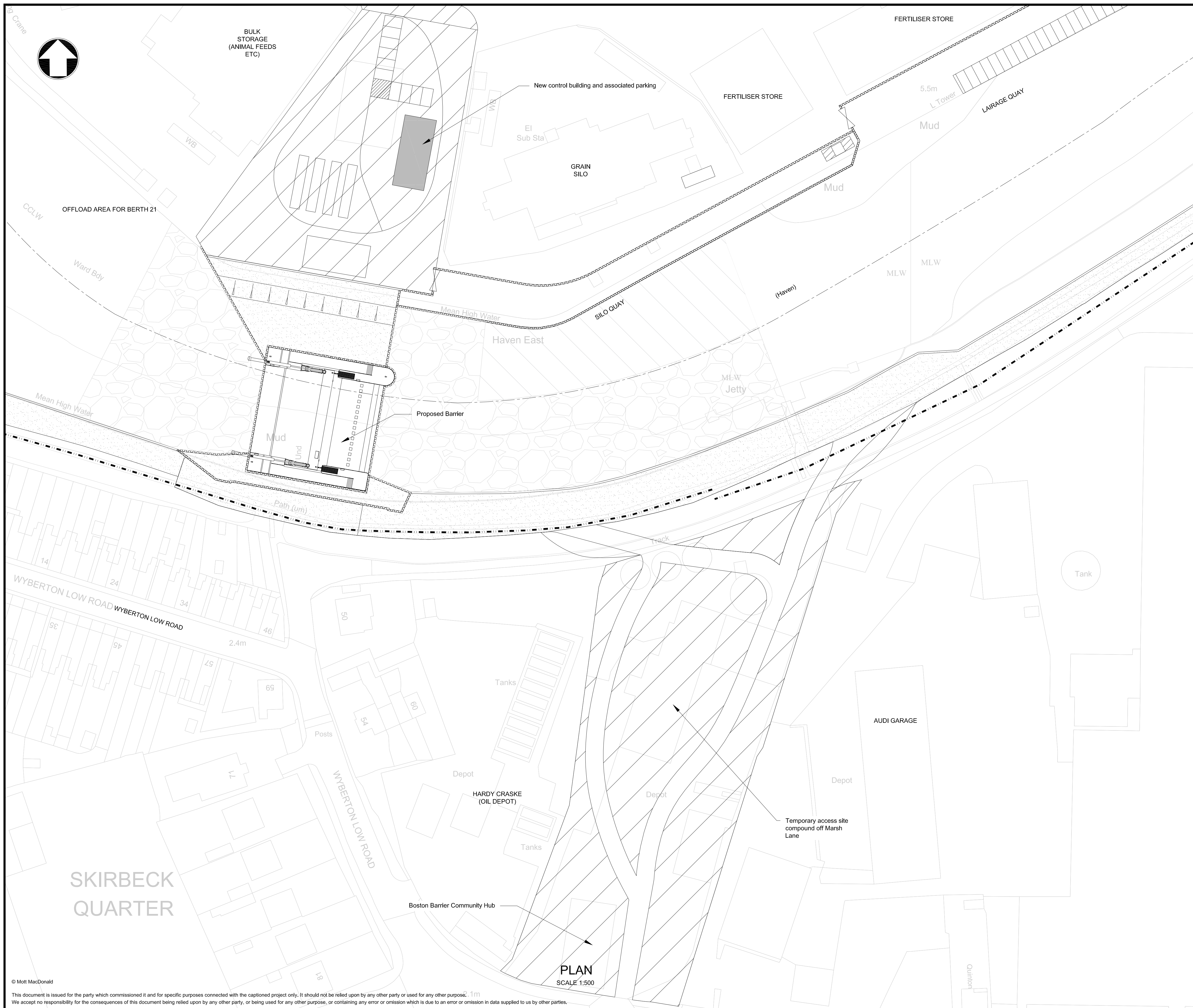
Client

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Peterborough
PE2 5ZR

Title **Boston Barrier Project
Planning Direction Drawings
Enabling Works
Dredging Plan**

Designed	-	Eng check	M. Taylor	
Drawn	C. J. Easson	Coordination	H. Khan	
Dwg check	M. Taylor	Approved	S. Wilby	
Scale at A1	1:2000	Status	PRE	Rev P1

Drawing Number **IMAN001472-PLG-023**

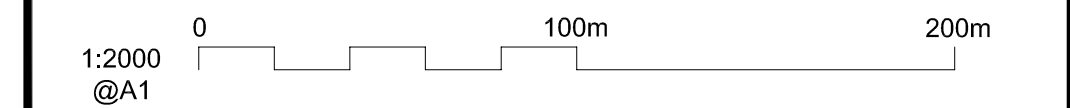


- | Notes |
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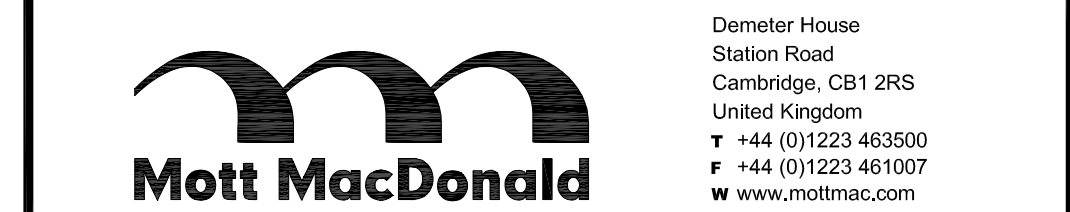
Key to symbols

- | | |
|--|--|
| | Gravel Fill |
| | Site Compound |
| | Grout Mattress Erosion Protection |
| | Temporary Scour Protection |
| | Flood Gate |
| | Concrete Flood Wall Route |
| | Sheet Pile Route |
| | Anchorage Sheet Pile Route |
| | Existing Sheet Pile Route
(alignment indicative only) |

Reference drawings



P1	22/07/2016	CJE	Issue for Planning	PH	EL
Rev	Date	Drawn	Description	Ch'k'd	App'd



Client

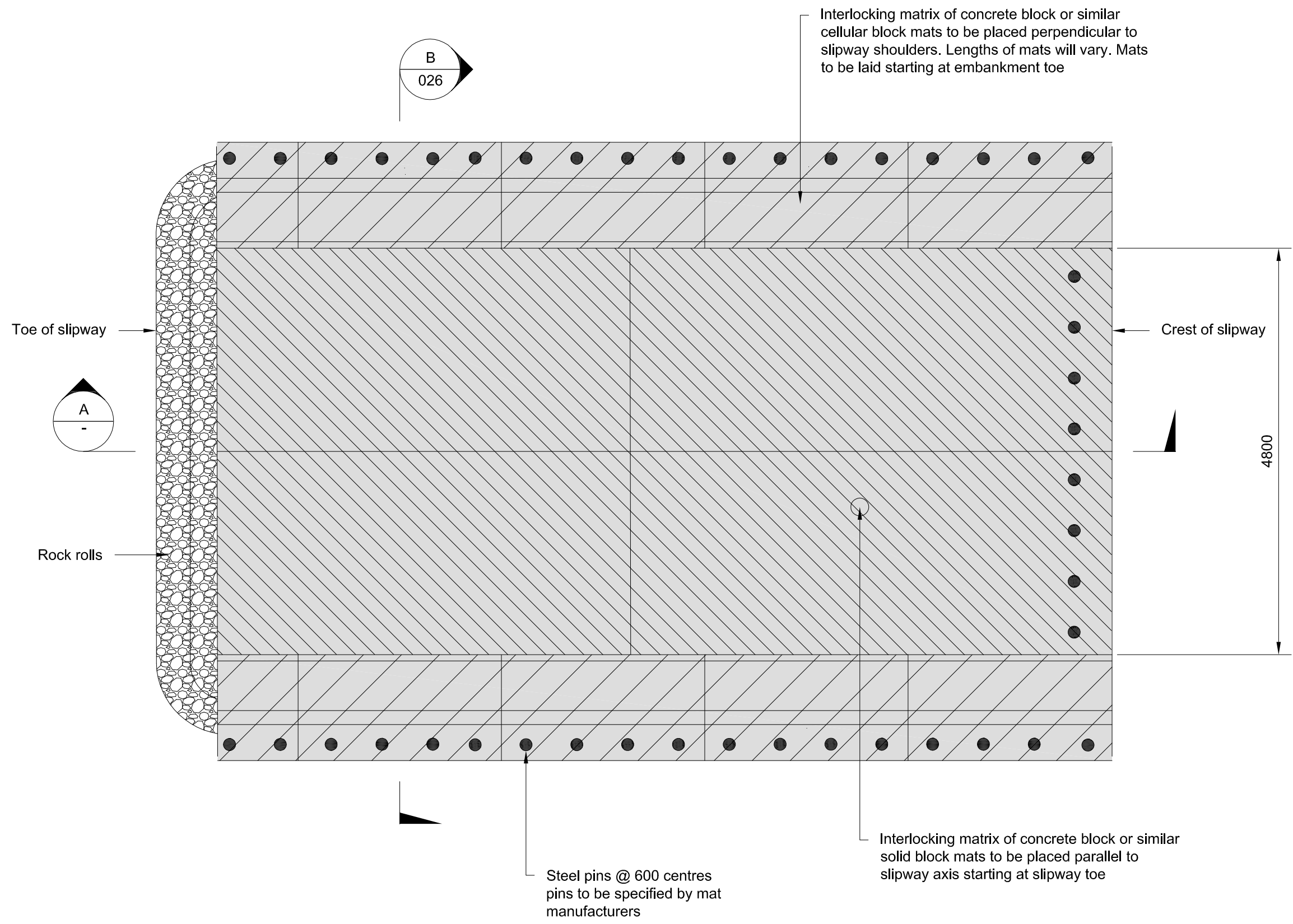
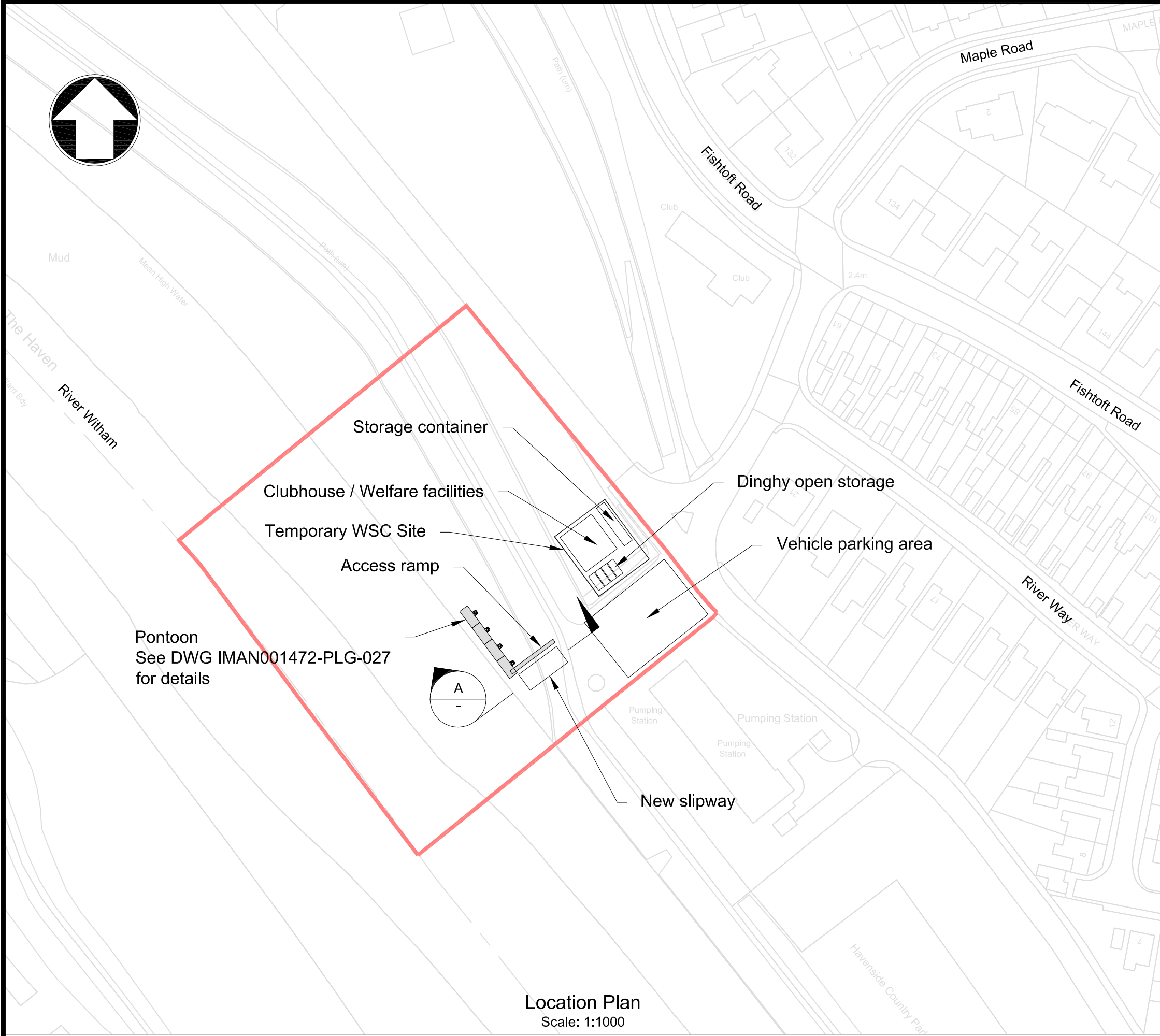


Title	Boston Barrier Project Planning Direction Drawings Enabling Works Construction Compound Locations
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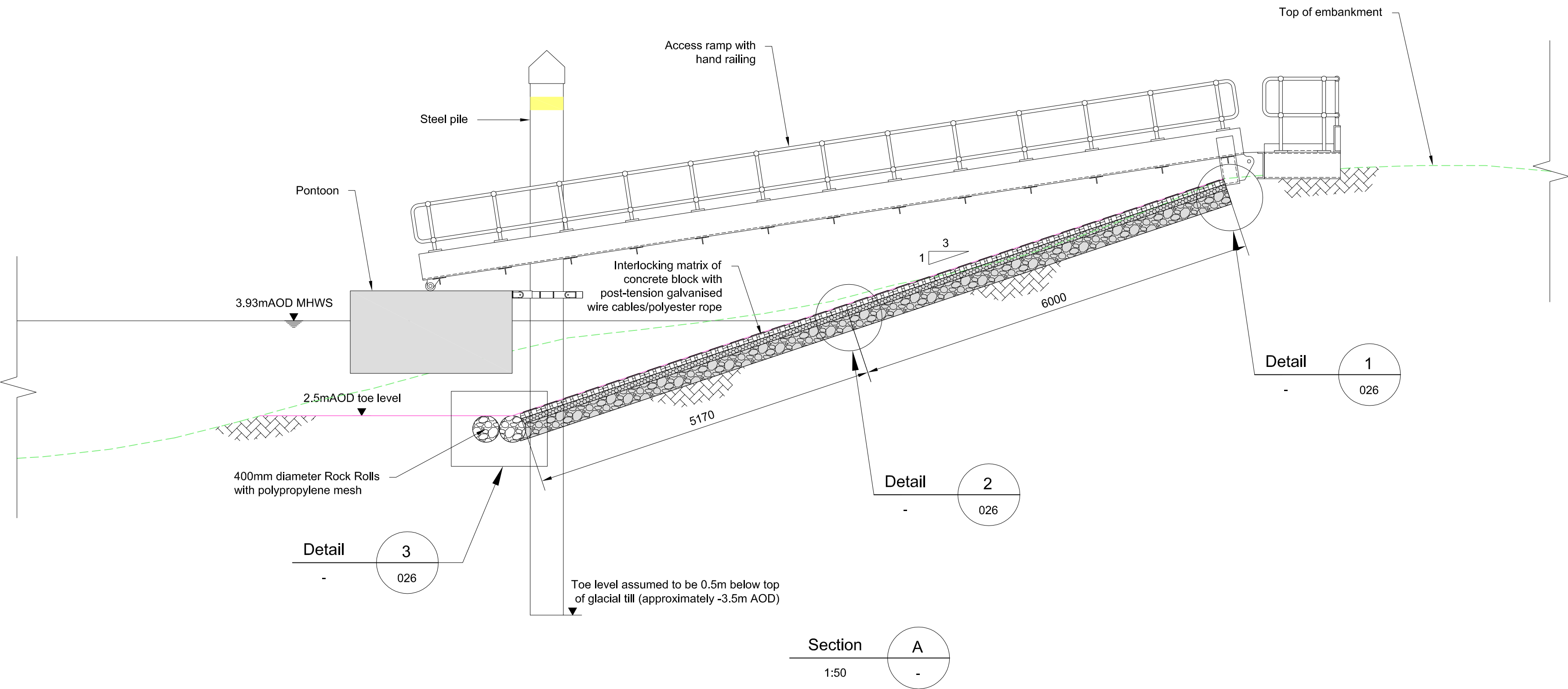
Designed	H. Khan		Eng check	P. Harvey	
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Dwg check	P. Harvey		Approved	M. Taylor	
Scale at A1		Status		Rev	
1:500		PRE		P1	

Drawing Number

IMAN001472-PLG-024



Slipway General Arrangement
Scale: 1:50



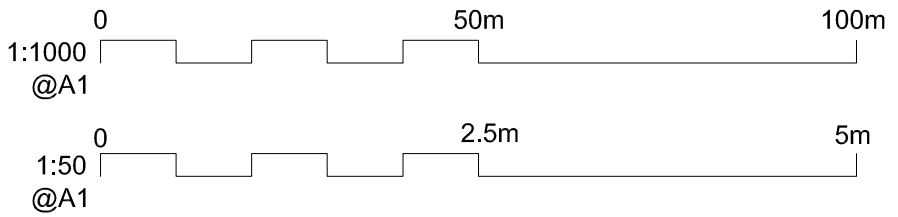
Section A
1:50

- Notes
1. Drawings are indicative for planning purpose only.
 2. All levels are in metres above ordnance datum unless otherwise stated.
 3. All dimensions are in millimetres unless otherwise stated.
 4. Boundary fence will be installed around the Temporary WSC Site.
 5. Club house will be portable modular structure.
 6. Vehicle parking area shall have approximately 4 bays.

- Key to symbols
- Planning Application Site Boundary
 - Existing Ground Profile
 - Proposed Ground Profile
 - Interlocking Matrix of Concrete Block or Similar Solid Block Mat
 - Interlocking Matrix of Concrete Block or Similar cellular Block Mat
 - 20mm Single Size Self Compacting Gravel
 - Gravel Sub-base

Reference drawings

IMAN001472-PLG-026
IMAN001472-PLG-027
IMAN001472-PLG-028



P1	22/07/2016	CJE	Issue for Planning	PH	EL
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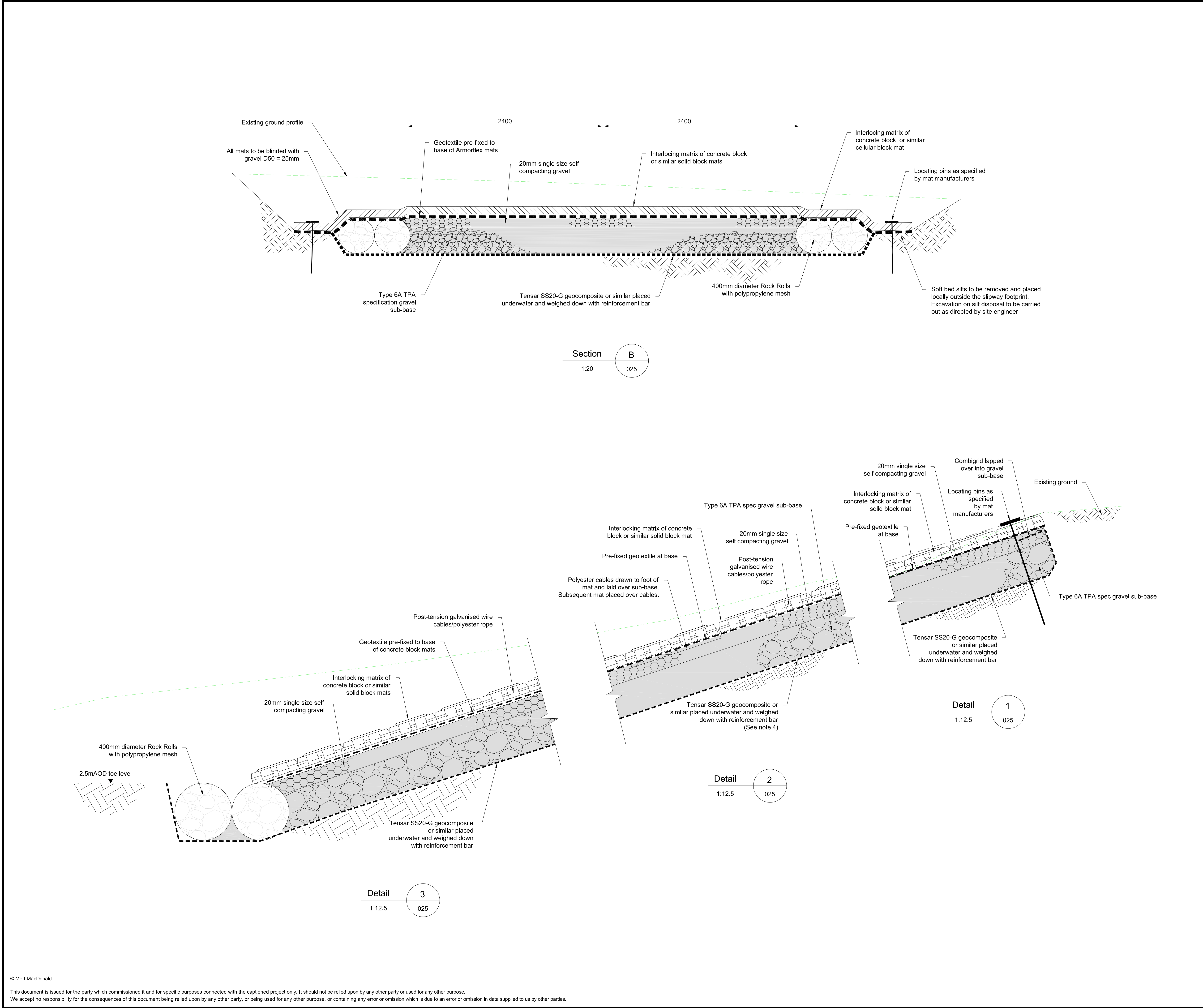
Title

Boston Barrier Project
Planning Direction Drawings
Witham Sailing Club Temporary Works
Slipway - Site Plan and Section
Sheet 1 of 3

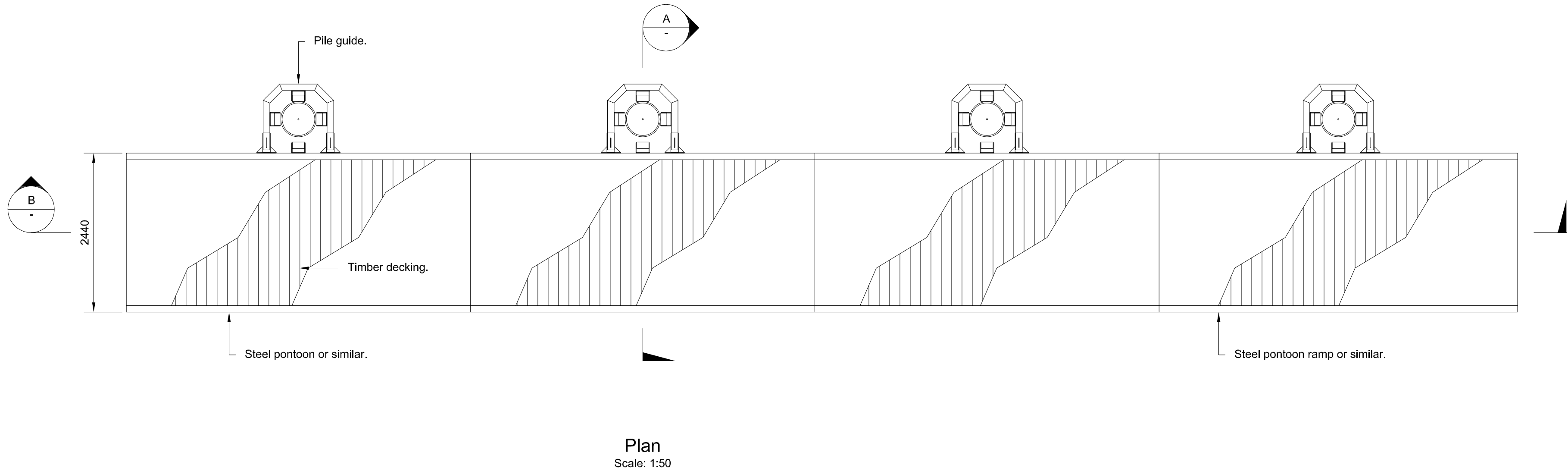
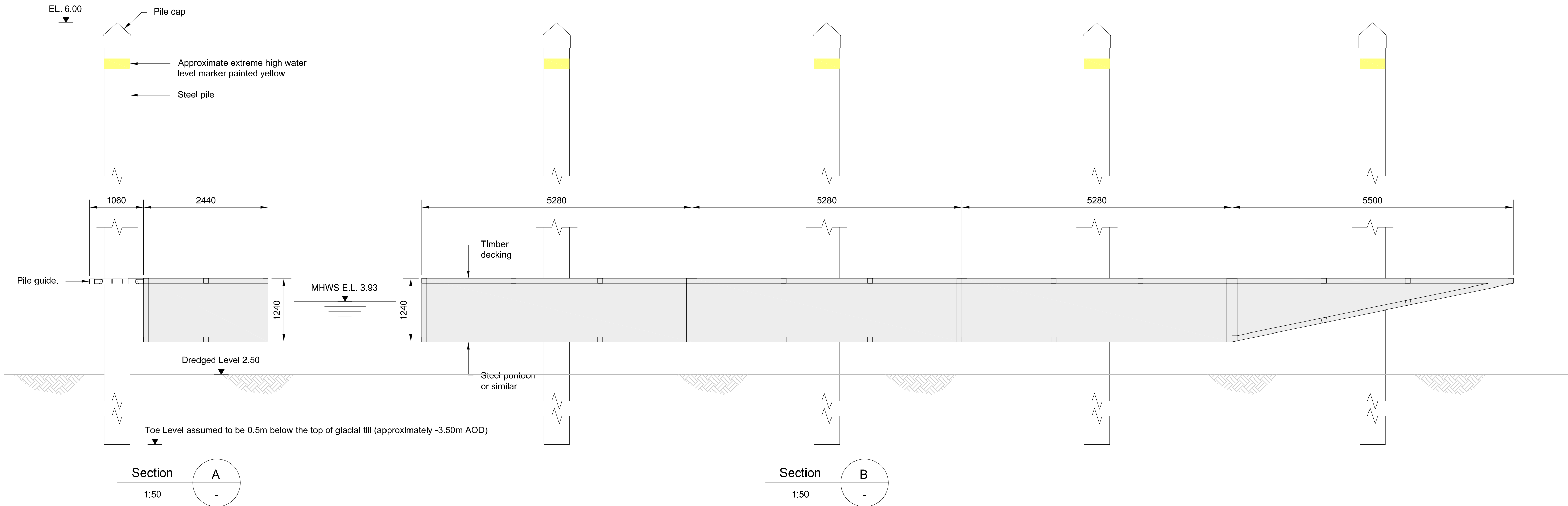
Designed	W. Fan	Eng check	P. J. Harvey
Drawn	P. Dixon	Coordination	H. Khan
Dwg check	W. Fan	Approved	E. Lunt
Scale at A1	Status	Rev	
As Shown	PRE	P1	

Drawing Number

IMAN001472-PLG-025



Notes					
1. Drawings are indicative for planning purpose only.					
2. All levels are in metres above ordnance datum unless otherwise stated.					
3. All dimensions are in millimetres unless otherwise stated.					



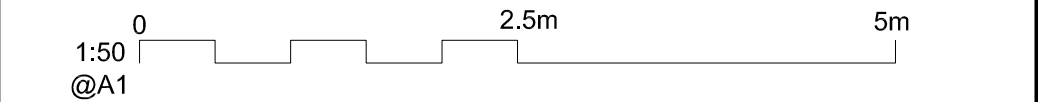
- Notes
1. Drawings are indicative for planning purpose only.
 2. All levels are in metres above ordnance datum unless otherwise stated.
 3. All dimensions are in metres unless otherwise stated.

Key to symbols

Timber Decking

Reference drawings

IMAN001472-PLG-025
IMAN001472-PLG-028



P1	22/07/2016	CJE	Issue for Planning	PH	EL
Rev	Date	Drawn	Description	Ch'k'd	App'd

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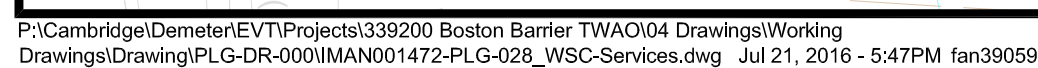
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Title

**Boston Barrier Project
Planning Direction Drawings
Witham Sailing Club Temporary Works
Mooring Pontoon - Section and Details
Sheet 3 of 3**

Designed	W. Fan	Eng check	P. J. Harvey
Drawn	C. j. Easson	Coordination	H. Khan
Dwg check	W. Fan	Approved	E. Lunt
Scale at A1	1:50	Status	PRE
Drawing Number	IMAN001472-PLG-027	Rev	P1



- Key to symbols

P1	22/07/2016	CJE	Issue for planning	PH	EL
Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

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Agency**

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Designed	L. Griffith		Eng check	M. Taylor	
Drawn	C. J. Easson		Coordination	W. Fan	
Dwg check	W. Fan		Approved	S. Wilby	
Scale at A1		Status	Rev		
1:500		PRE	P1		
Drawing Number					
IMAN001472-PLG-028					

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