

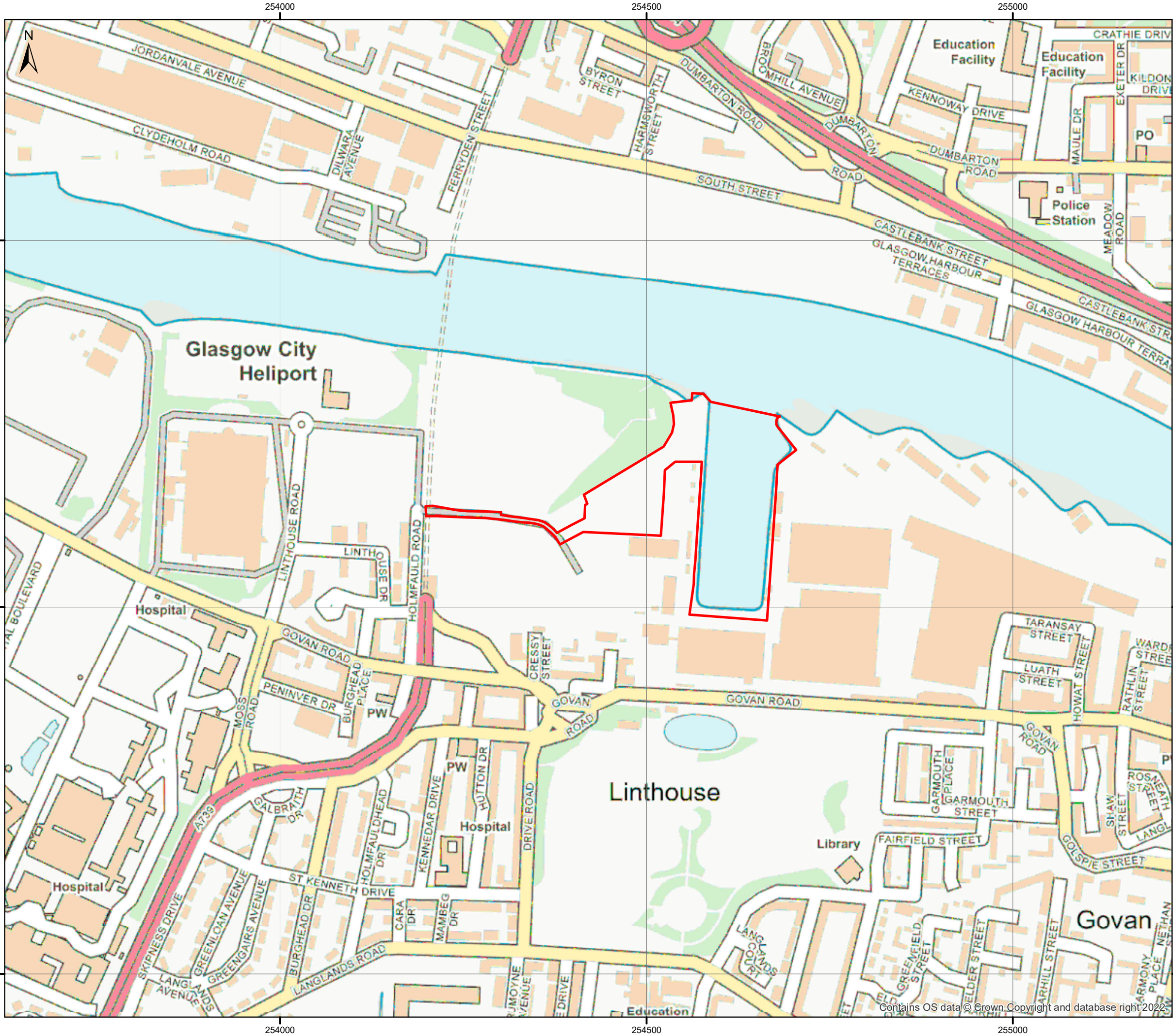


Govan Basin Infilling

Volume 2: Figures

August 2022

Drawing No	Drawing Title
Location Plan	
176756-GIS001	Site Location Plan
Construction Plans	
225010-BAE-AHN-ZZ-XX-DR-C-0002	Construction Works Area
225010-BAE-AHN-ZZ-XX-DR-C-0004	Phasing Plan
225010-BAE-AHN-ZZ-XX-DR-C-0005	Phasing Sections
Noise	
176756-GIS002A	Noise Monitoring Locations
176756-GIS005	Noise Sensitive Receptors
Water	
WDH-AHN-01-00-DR-C0103	Elevation on Cofferdam Wall
WDH-AHN-01-00-DR	Drainage Layout and Details



Legend

 Site Boundary

Do not scale this map

Client
Arch Henderson

Project
Govan Facilities Investment

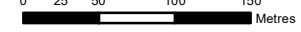
Title
Site Location Plan

Status
Final

Drawing No. 175756-GIS001	Revision -	Date 18 May 2022
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Drawn AH	Checked GD	Approved GD
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Scale
1:5,000 @A3



Rev	Date	Amendment	Initials



Craighall Business Park, Eagle Street, Glasgow, G4 9XA
T: 0141 341 5040 E: info@envirocentre.co.uk W: www.envirocentre.co.uk

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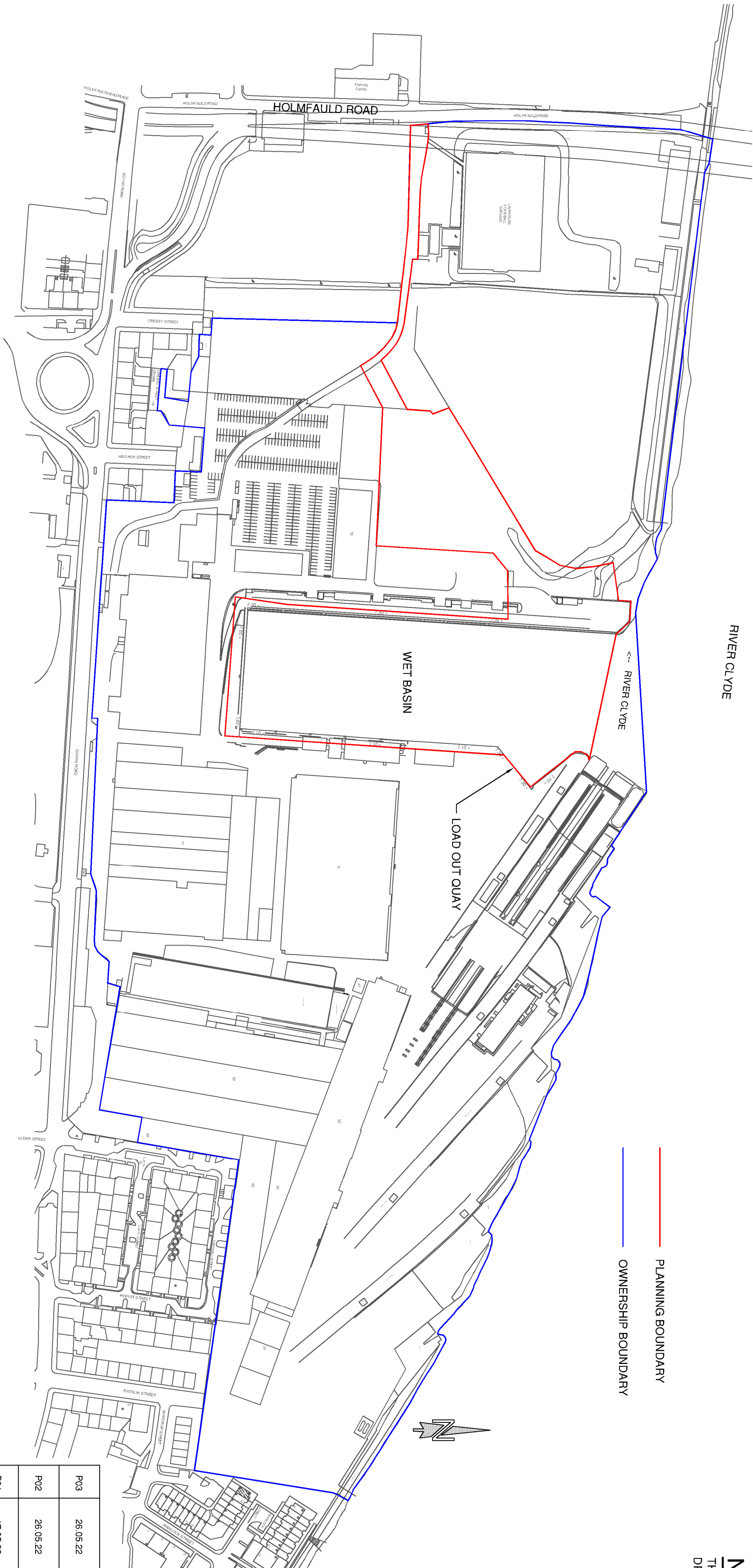
RIVER CLYDE

- PLANNING BOUNDARY
- OWNERSHIP BOUNDARY

NOTES

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL DRAWINGS IN THE 225010 SERIES.

CONSENT



P03	26.05.22	CONSENT ISSUE	CAB	TR
P02	26.05.22	ISSUED FOR DESIGN BRIEF	CAB	TR
P01	17.05.22	ISSUED FOR COMMENT	CAB	TR
REV	DATE	REVISION DESCRIPTION	DRN	VER

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PROJECT :
BAE Surface Ships Limited - Govan
Wet Basin Infill

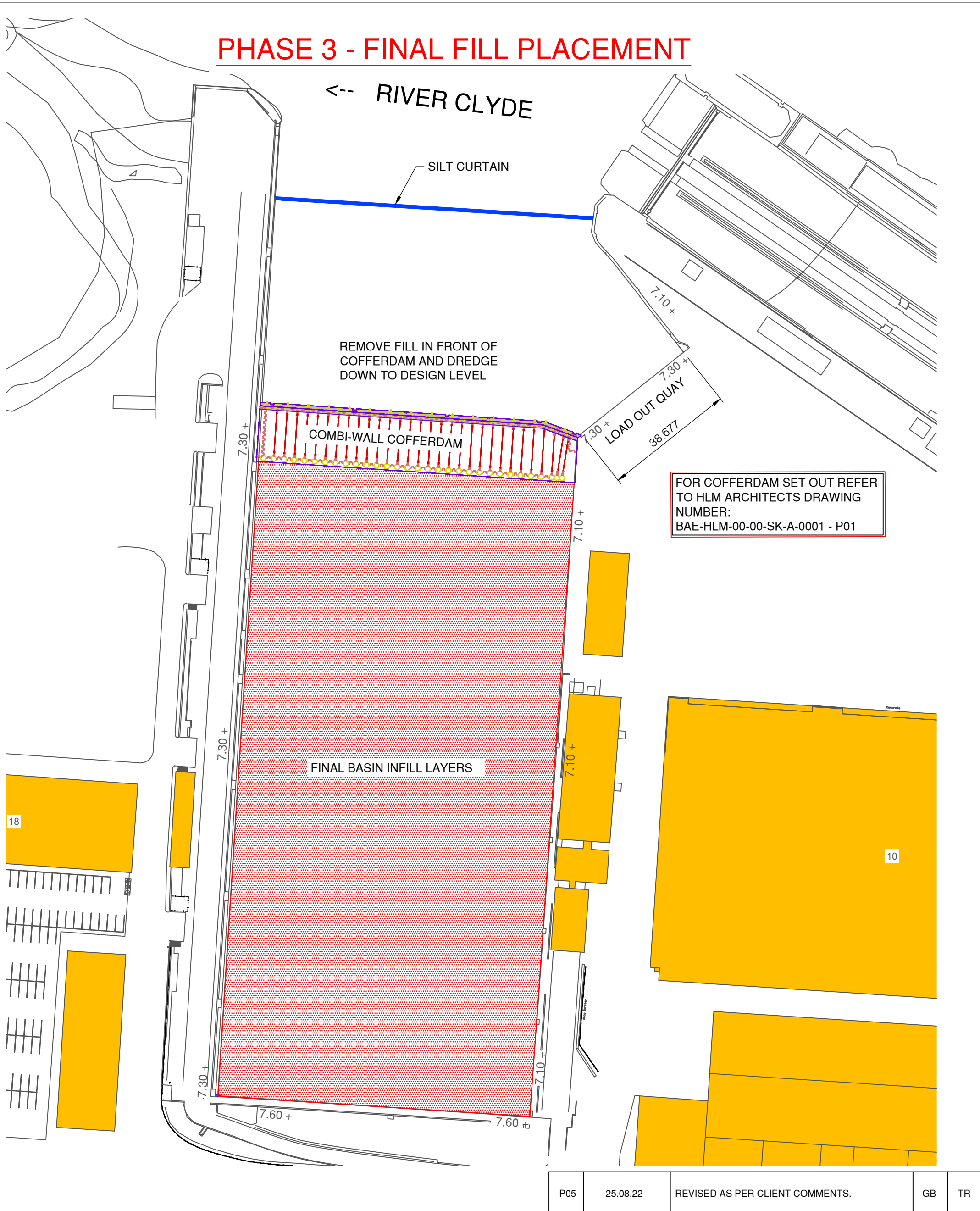
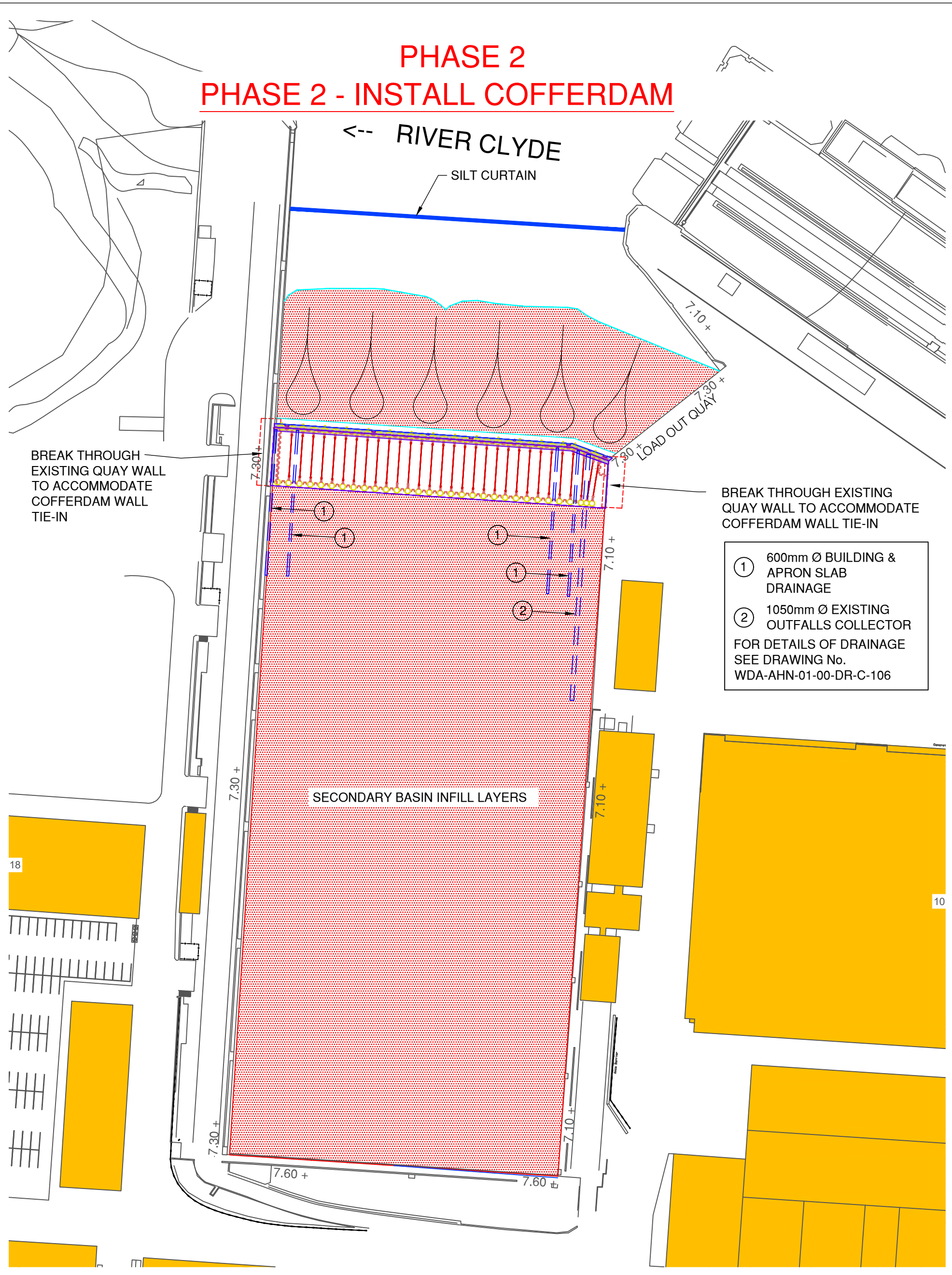
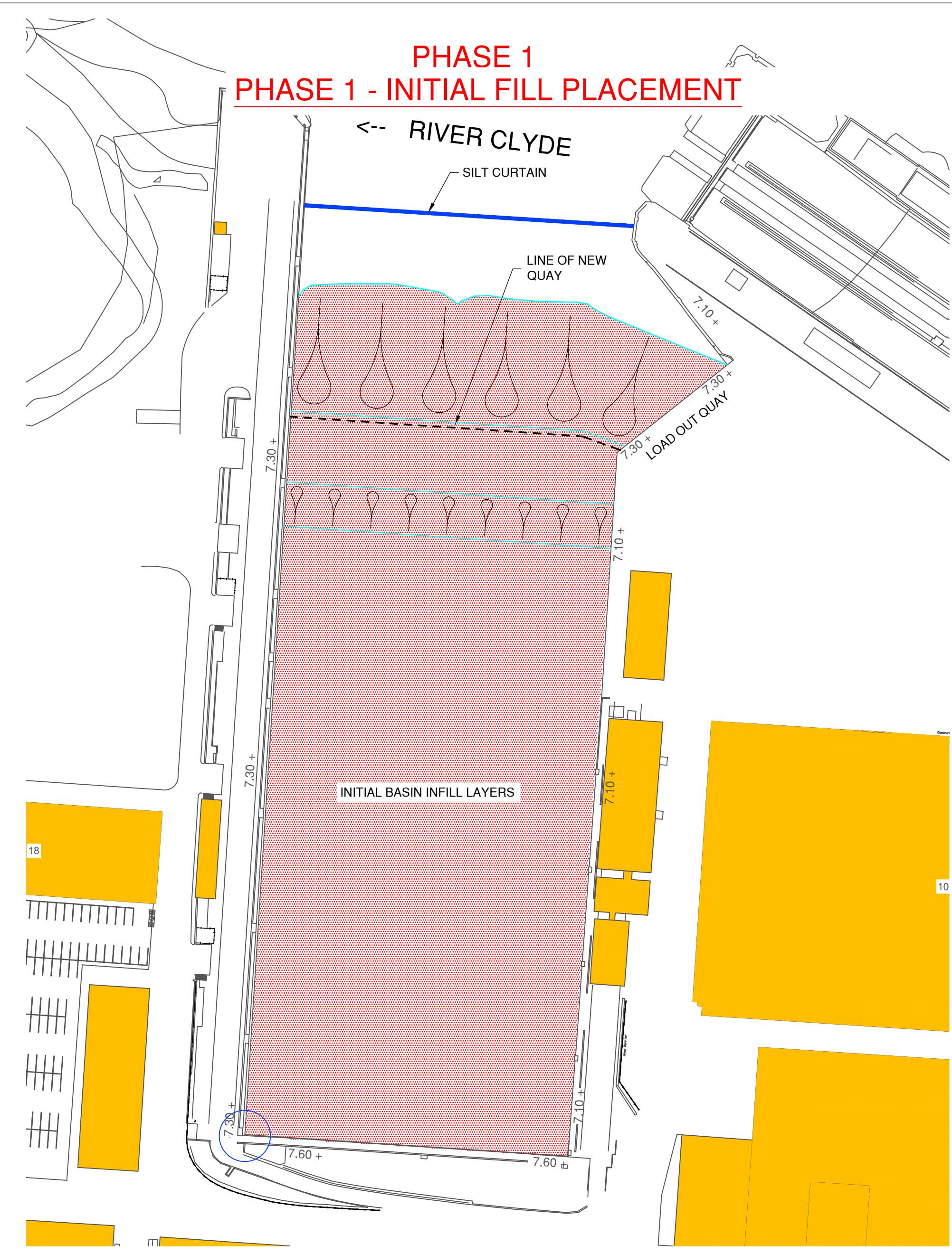
TITLE :

Site Ownership Boundary

DRAWN : CAB	DATE : 17.05.22	VERIFIED : TR	APPROVED : GB
SCALE : (A1) 1:2500	DRAWING STATUS : S0		

DRAWING No : 225010-BAE-AH-N-ZZ-XX-DR-C-0002	REV : P03
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1. INSTALL SILT CURTAIN AND / OR BUBBLE CURTAIN AT ENTRANCE TO GOVAN BASIN.
2. BERM OF MATERIAL PLACED AT FRONT OF BASIN TO HELP CONTAIN ANY SUSPENDED SEDIMENT. HEIGHT TO BE DETERMINED BASED ON FINAL METHODOLOGY.
3. UP TO 2m INFILL PLACEMENT TO COVER EXISTING BASIN SEDIMENT.
4. CONTINUE TO FILL USING BARGE AND EXCAVATOR OR SPLIT HOPPER BARGE, OR HYDRAULIC DISCHARGE FROM PIPELINE.
5. PLACE MATERIAL, PLACEMENT BY BARGE AND EXCAVATOR AND PUSHING MATERIAL ACROSS BASIN USING DOZER IF NECESSARY.

1. INFILL TO PRE DETERMINED LEVEL AND INFILL WEDGE VOID BEHIND EXISTING SHEET PILE WALL CONCURRENTLY. THIS MAY REQUIRE LOCAL DEMOLITION OF THE EXISTING COPE BEAM AND CUTTING DOWN OR EXTRACTION OF SHEET PILES.
2. INSTALL COFFERDAM

1. REMOVE STONE BUND FROM FRONT OF COFFERDAM.
2. INFILL TO +6.5m.

P05	25.08.22	REVISED AS PER CLIENT COMMENTS.	GB	TR
P04	24.08.22	COFFERDAM LOCATION REVISED. CONSTRUCTION SEQUENCE REVISED. MARINE LICENCE APPLICATION.	GB	TR
P03	26.05.22	CONSENT ISSUE	CAB	TR
P02	26.05.22	ISSUED FOR DESIGN BRIEF	CAB	TR
P01	19.05.22	ISSUED FOR COMMENT	CAB	TR
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PROJECT :
BAE Surface Ships Limited - Govan
Wet Basin Infill

TITLE :
Draft Phasing Plans

DRAWN : CAB	DATE : 11.05.22	VERIFIED : TR	APPROVED : GB
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SCALE : (A1) AS SHOWN	DRAWING STATUS : LICENCE
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DRAWING No : 225010-BAE-AHN-ZZ-XX-DR-C-0004	REV : P05
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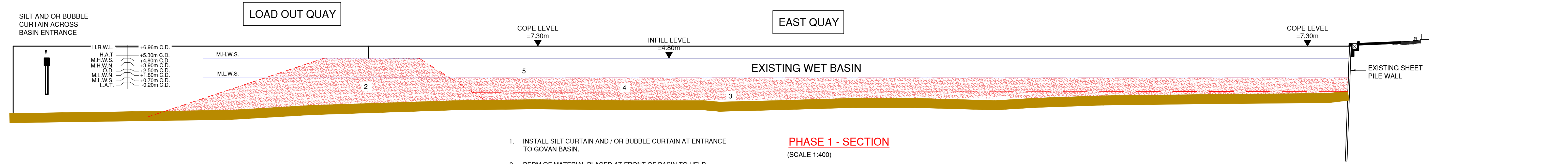
CONSENT

GENERAL NOTES

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL DRAWINGS IN THE 225010 SERIES.

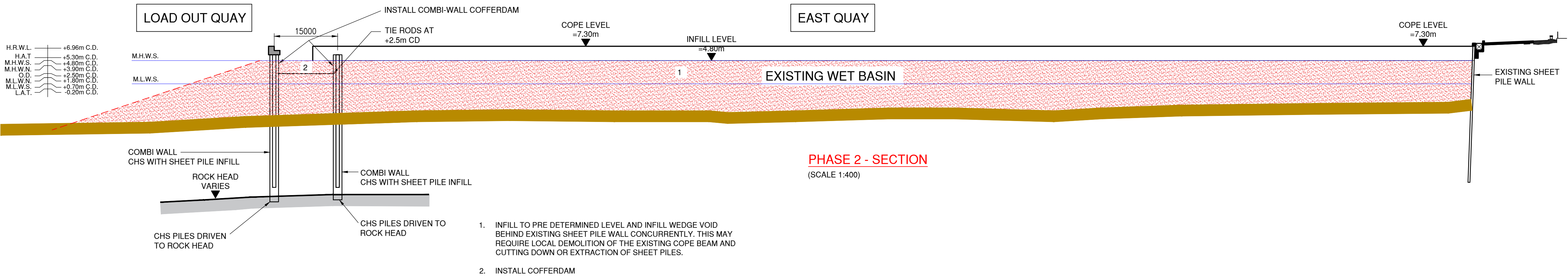
FOR SECTION THROUGH WORKS, REFER TO DRAWING NUMBER BAE-AHN-XX-XX-DR-C-0005

DO NOT SCALE



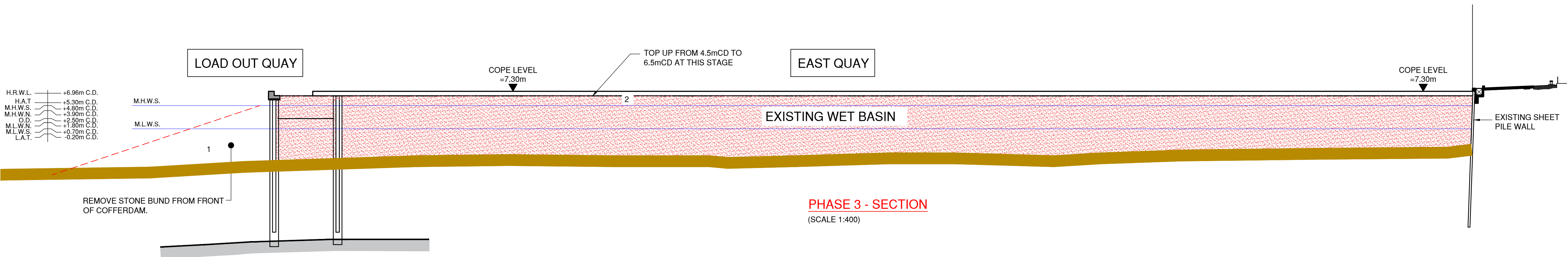
1. INSTALL SILT CURTAIN AND / OR BUBBLE CURTAIN AT ENTRANCE TO GOVAN BASIN.
2. BERM OF MATERIAL PLACED AT FRONT OF BASIN TO HELP CONTAIN ANY SUSPENDED SEDIMENT. HEIGHT TO BE DETERMINED BASED ON FINAL METHODOLOGY.
3. UP TO 2m INFILL PLACEMENT TO COVER EXISTING BASIN SEDIMENT.
4. CONTINUE TO FILL USING BARGE AND EXCAVATOR, OR SPLIT HOPPER BARGE, OR HYDRAULIC DISCHARGE FROM PIPELINE.
5. PLACE MATERIAL, PLACEMENT BY BARGE AND EXCAVATOR AND PUSHING MATERIAL ACROSS BASIN USING DOZER IF NECESSARY.

PHASE 1 - SECTION
(SCALE 1:400)



1. INFILL TO PRE DETERMINED LEVEL AND INFILL WEDGE VOID BEHIND EXISTING SHEET PILE WALL CONCURRENTLY. THIS MAY REQUIRE LOCAL DEMOLITION OF THE EXISTING COPE BEAM AND CUTTING DOWN OR EXTRACTION OF SHEET PILES.
2. INSTALL COFFERDAM

PHASE 2 - SECTION
(SCALE 1:400)



1. REMOVE STONE BUND FROM FRONT OF COFFERDAM.
2. INFILL TO +6.5m.

PHASE 3 - SECTION
(SCALE 1:400)

NOTES

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL DRAWINGS IN THE 225010 SERIES.
2. FOR SECTION LOCATION, REFER TO DRAWING NUMBER 225010-BAE-AHN-ZZ-XX-DR-C-0004.
3. INFILLING - MARINE LICENCE REQUIRED.
4. QUAY WALL - MARINE LICENCE AND PLANNING PERMISSION REQUIRED.

AN ALTERNATIVE INFILL METHODOLOGY USING PUMPED SAND WILL BE CONSIDERED AT CONCEPT DESIGN STAGE. IF ADOPTED, THIS STRATEGY WOULD SEE AN INITIAL STONE BUND PLACED AT THE ENTRANCE OF THE BASIN TO CONTAIN ALL SUSPENDED SEDIMENTS WITHIN THE BASIN. INFILL BEHIND THE BUND WOULD BE THEN BE PLACED USING FLUIDISED SAND PUMPED FROM A BARGE, OVER THE BUND AND DISTRIBUTED VIA SPREADER PONTOON AND DISSIPATION BAR.

CONSENT

P05	25.08.22	REVISED AS PER CLIENT COMMENTS.	GB	TR
P04	24.08.22	SILT CURTAIN ADDED, CONSTRUCTION SEQUENCE REVISED, MARINE LICENCE APPLICATION	GB	TR
P03	26.07.22	CONSENT ISSUE TIDE LEVELS AMENDED	CAB	TR
P02	26.05.22	ISSUED FOR DESIGN BRIEF	CAB	TR
P01	19.05.22	ISSUED FOR COMMENT	CAB	TR
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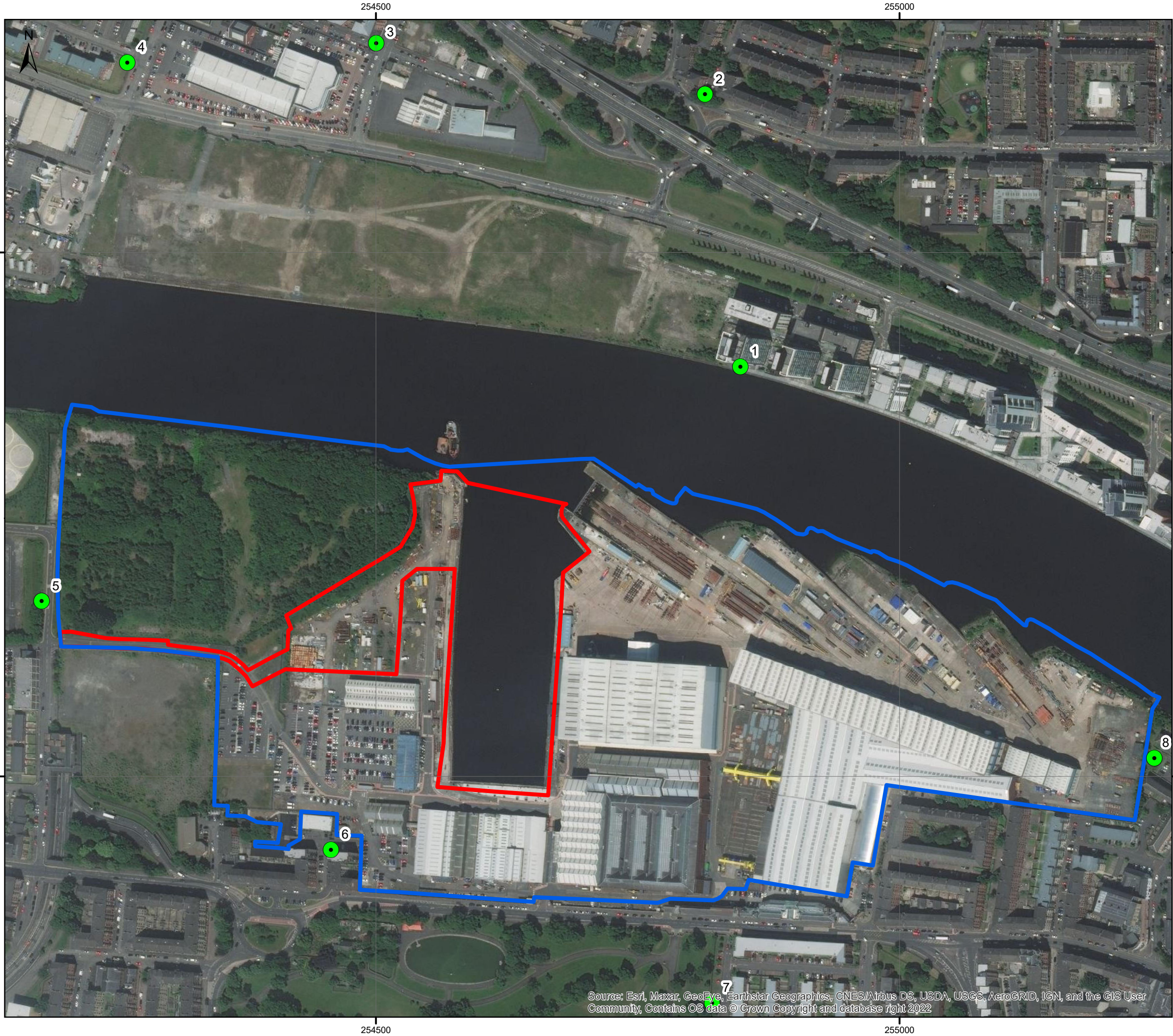
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Environmental services

PROJECT :
BAE Surface Ships Limited - Govan
Wet Basin Infill

TITLE :
Draft Phasing Sections




DRAWN : CAB	DATE : 11.05.22	VERIFIED : TR	APPROVED : GB
SCALE : (A1)	AS SHOWN	DRAWING STATUS : LICENCE	

DRAWING No :
225010-BAE-AHN-ZZ-XX-DR-C-0005
REV :
P05



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Legend

-  Site Boundary
-  BAE Complex Boundary
-  Noise Monitoring Locations

Do not scale this map

Client

Arch Henderson

Project

Govan Facilities Investment

Title

Noise Monitoring Locations

Status

Final

Drawing No. 175756-GIS002	Revision A	Date 07 June 2022
Drawn AH	Checked CC	Approved CC

Scale
1:3,500 @A3

0 15 30 60 90
Metres

Rev	Date	Amendment	Initials
A	07/06/22	Revised NML Locations	AH



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Legend

- Site Boundary
- BAE Complex Boundary
- Development Under Construction
- Existing Noise Sensitive Receptors
- Future Noise Sensitive Receptor

Do not scale this map

Client

Arch Henderson

Project

Govan Facilities Investment

Title

Noise Monitoring Locations

Status

Final

Drawing No.
175756-GIS005

Revision

Date

21 July 2022

Drawn
AH

Checked
CC

Approved
CC

Scale

1:4,000 @A3

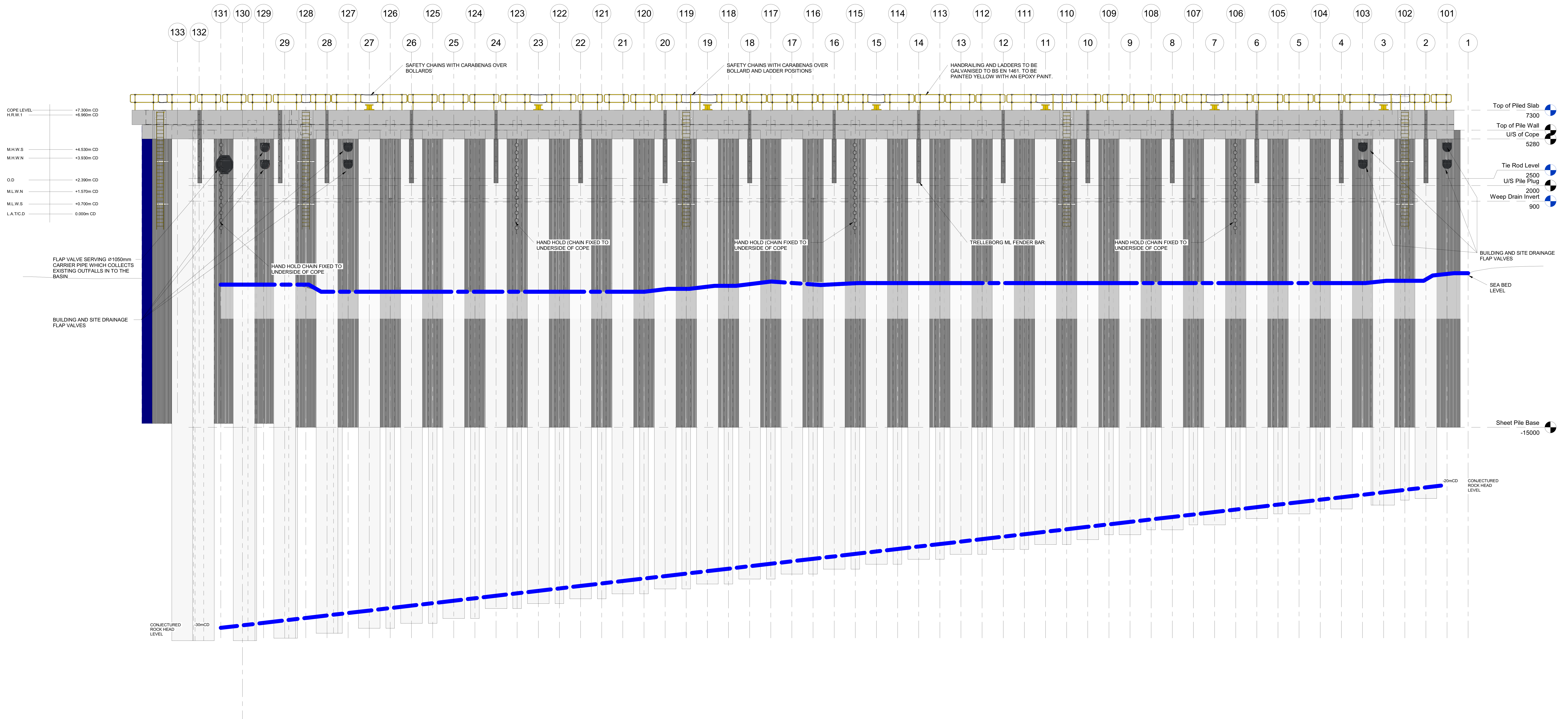
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Rev	Date	Amendment	Initials



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1 Elevation on Cofferdam Wall
1 : 100

OUTFALL POSITIONS AND LEVELS
INDICATIVE ONLY AT THIS STAGE

ISSUED FOR PLANNING
APPLICATION PURPOSES
ONLY

P03	23/08/22	S2 - MCH Comments Incorporated - Handrail Added Ladders Amended - Re-issue for Planning	CAB	TR
P02	19/08/22	S2 - Issued For Planning Application	CAB	TR
P01	12/08/22	S2 - Issued for Costing	CAB	TR
REV	DATE	REVISION	DRN	VER

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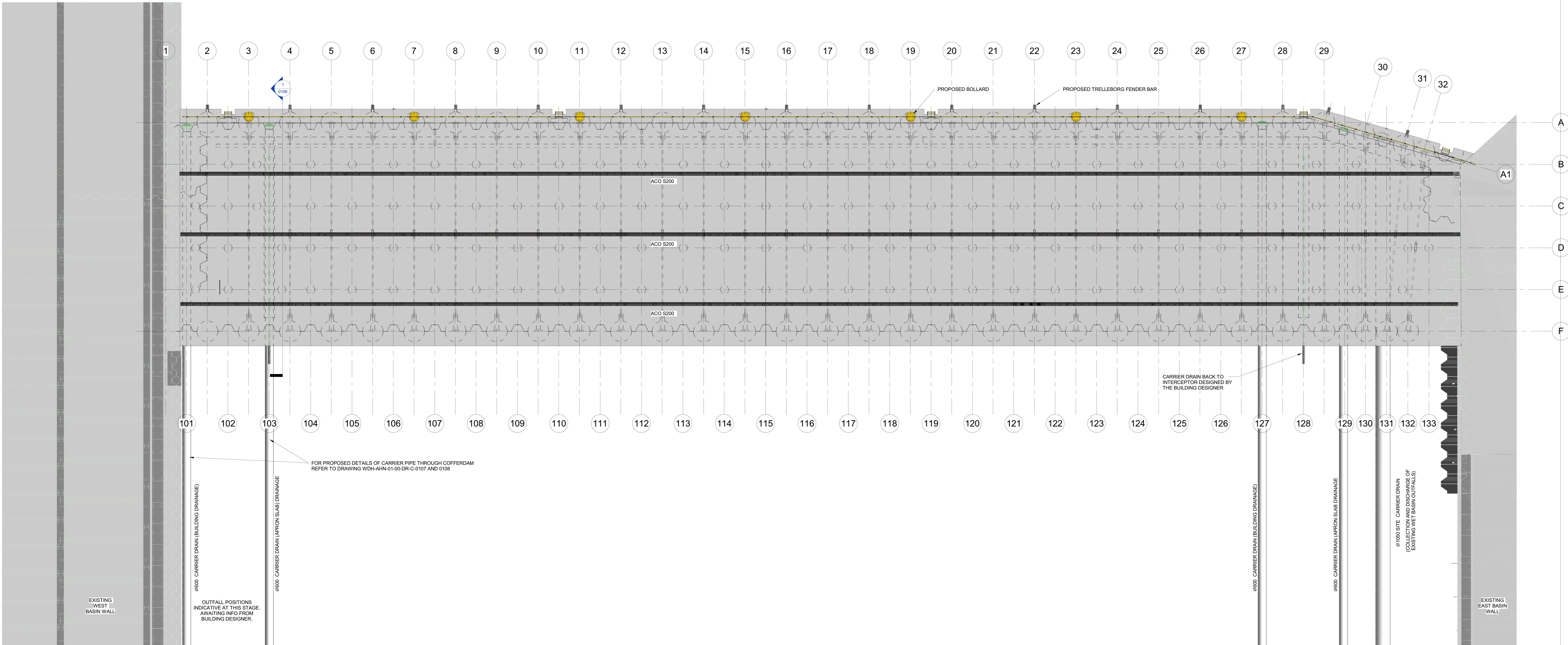
PROJECT:
McLaughlin & Harvey Ltd
BAE Wet Basin Infill - Govan

TITLE:
Elevation on Cofferdam Wall

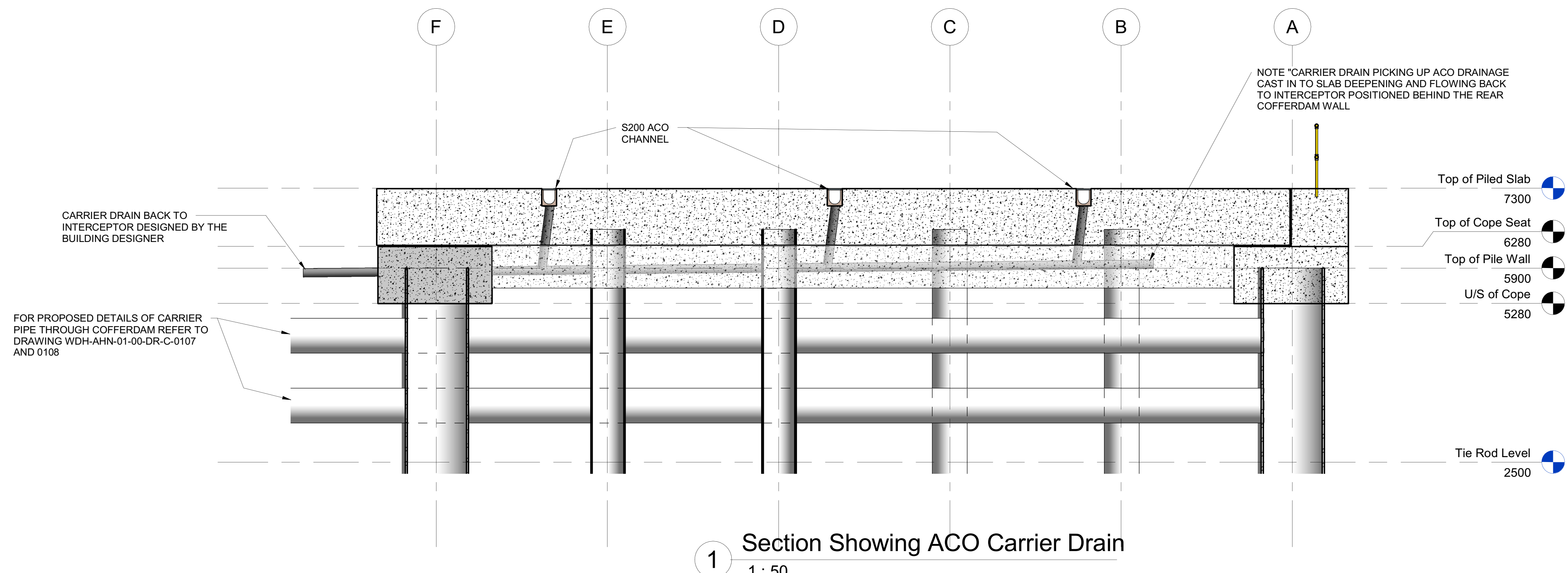
DRAWN:	DATE:	VERIFIED:	APPROVED:
CAB	11/08/22	AS	TR

SCALE: (A1)	CONTRACT No:	DRAWING STATUS:
1 : 100	225022	S2

DRAWING NO:	REV:
WDA-AHN-01-00-DR-C-0103	P03



Drainage Layout
1 : 100



Section Showing ACO Carrier Drain
1 : 50

ISSUED FOR PLANNING
APPLICATION PURPOSES
ONLY

P03	23/08/22	S2 - MELH Comments Incorporated - Drainage Added - Re	CAB	TR
P02	19/08/22	S2 - Issue for Planning Application	CAB	TR
P01	12/08/22	S2 - Issue for Costing	CAB	TR
REV	DATE	REVISION	DRN	VER

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PROJECT:
McLaughlin & Harvey Ltd
BAE Wet Basin Infill - Govan

TITLE:
Drainage Layout and Details

DRAWN : CAB	DATE : 11/08/22	VERIFIED : AOC	APPROVED : TR
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SCALE : (A1) As indicated	CONTRACT No : 225022	DRAWING STATUS : S2
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DRAWING NO : WDA-AHN-01-00-DR-C-0106	REV : P03
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