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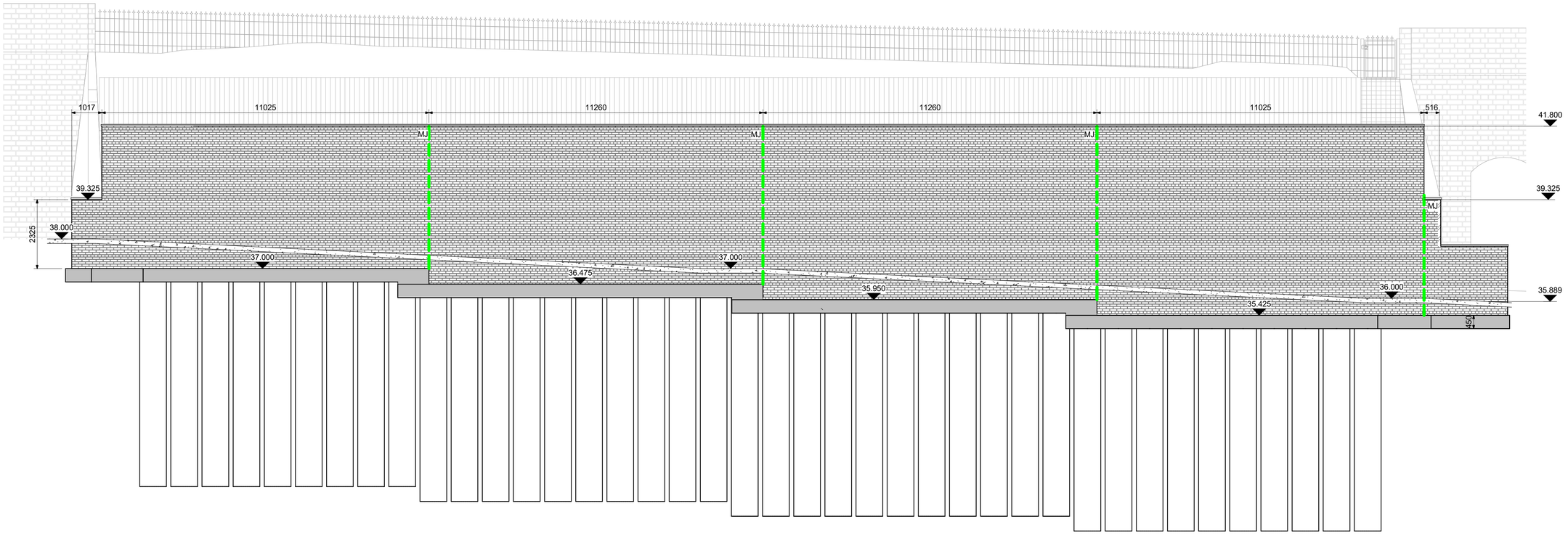
This drawing is based on the following information:

Topographical Survey PS-2158-TS-01 dated 21.02.23 by Paragon Surveys
Proposed landscape GA plan RDB-OPN-00-ZZ-DR-LA-210000-310002 dated 31.10.22 by OP-EN landscape architects
Proposed building GA plan RDB-HBA-2X-UG-DR-AR-200100 dated 23.12.22 by Hawkins Brown Architects

This drawing is to be read in conjunction with the following ROC drawings:
RDB-ROC-ZZ-ZZ-DR-S-NR100 GA plan as existing
RDB-ROC-ZZ-ZZ-DR-S-NR101 GA plan as proposed
RDB-ROC-ZZ-ZZ-DR-S-NR102 GA plan piles
RDB-ROC-ZZ-ZZ-DR-S-NR103 GA plan foundations
RDB-ROC-ZZ-ZZ-DR-S-NR104 GA plan concrete outline
RDB-ROC-ZZ-ZZ-DR-S-NR110 GA front elevation
RDB-ROC-ZZ-ZZ-DR-S-NR112 GA Wing wall elevations
RDB-ROC-ZZ-ZZ-DR-S-NR120 GA Section A
RDB-ROC-ZZ-ZZ-DR-S-NR122 GA Section B
RDB-ROC-ZZ-ZZ-DR-S-NR123 GA Section C
RDB-ROC-ZZ-ZZ-DR-S-NR150 Retaining wall typical details sheet 01
RDB-ROC-ZZ-ZZ-DR-S-NR151 Retaining wall typical details sheet 02
RDB-ROC-ZZ-ZZ-DR-S-NR152 Retaining wall typical details sheet 03
RDB-ROC-ZZ-XX-DR-C-47-0615 Embankment finished levels

OP-EN drawings:
RDB-OPN-ZZ-ZZ-DR-LA-NR-940001 Retaining Wall Planting Details
RDB-OPN-ZZ-ZZ-DR-LA-NR-940002 Retaining Wall Geoweb Details
RDB-OPN-ZZ-ZZ-DR-LA-NR-950001 Retaining Wall Planting Layout

Network rail drawings:
NR/CIV/SD/231 Slope regrade details
NR/CIV/SD/370 Typical access steps



ME MASONRY ELEVATION
1 : 75

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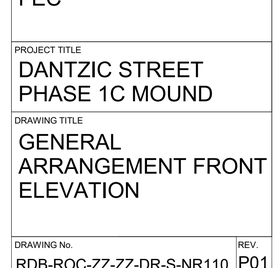
WORK IN PROGRESS

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4. All levels are in metres above Ordnance Datum unless noted otherwise.

Denotes 20mm wide Masonry movement Joint



REV	DATE	DETAILS	DRN	CHK
P01	23.11.2023	FORM B ISSUE	EGP	DC

DRAWING STATUS: PRELIMINARY

RIBA STAGE: STAGE 04

RoC CONSULTING
Commercial Wharf
6 Commercial Street
Manchester M15 4PZ
T 0161 214 5390
W rocconsulting.com

DRAWN	DATE	SCALES
EGP	23.11.2023	As indicated
CHECKED	DATE	THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE -DO NOT SCALE-
DC	23.11.2023	
APPRVD	DATE	EMAIL FOR DRAWINGS:
JAS	23.11.2023	info@rocconsulting.com

CLIENT: FEC

PROJECT TITLE: DANTZIC STREET PHASE 1C MOUND

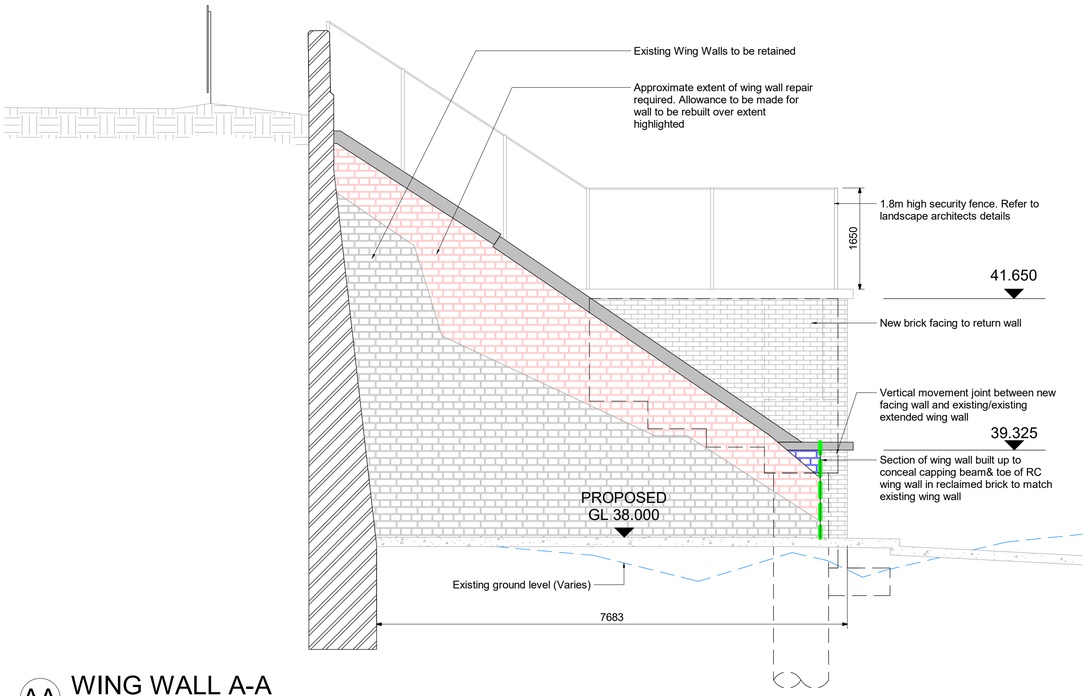
DRAWING TITLE: GENERAL ARRANGEMENT FRONT ELEVATION

DRAWING No.: RDB-ROC-ZZ-ZZ-DR-S-NR110

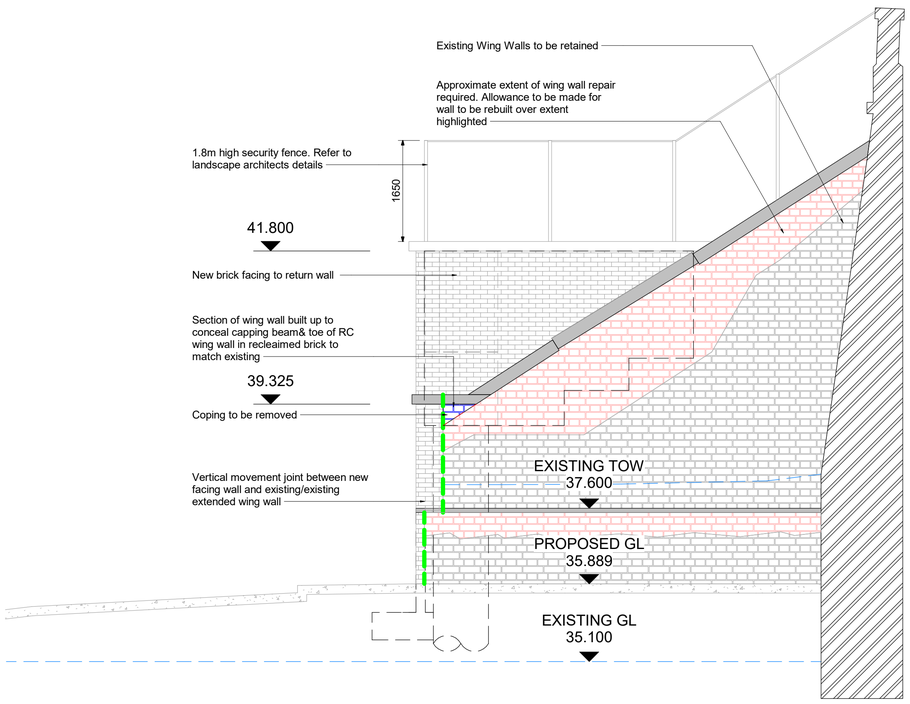
REV.: P01

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AA WING WALL A-A
1 : 50



BB WING WALL B-B
1 : 50



WING WALL A-A (AS EXISTING)



WING WALL B-B (AS EXISTING)

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RDB-ROC-ZZ-ZZ-DR-S-NR151 Retaining wall typical details sheet 02
RDB-ROC-ZZ-ZZ-DR-S-NR152 Retaining wall typical details sheet 03
RDB-ROC-ZZ-XX-DR-C-47-0615 Embankment finished levels

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RDB-OPN-ZZ-ZZ-DR-LA-NR-940001 Retaining Wall Planting Details
RDB-OPN-ZZ-ZZ-DR-LA-NR-940002 Retaining Wall Geoweb Details
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LEGEND

- EXISTING GROUND LEVEL
- EXTENTS TO BE TAKEN DOWN & REBUILT / REPAIRED
- NEW MASONRY
- 12.5mm WIDE MASONRY MOVEMENT JOINT WING WALL ONLY



REV	DATE	DETAILS	DRN	CHK
P02	21.02.2024	UPDATES TO DRN COMMENTS	EGP	DC
P01	23.11.2023	FORM B ISSUE	EGP	DC

DRAWING STATUS: PRELIMINARY

RIBA STAGE: STAGE 04

RoC CONSULTING
Commercial Wharf
6 Commercial Street
Manchester M15 4PZ
T 0161 214 5390
W rocconsulting.com

DRAWN	DATE	SCALES
EGP	23.11.2023	As indicated
CHECKED: DC	DATE: 23.11.2023	THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE -DO NOT SCALE-
APPRVD: JAS	DATE: 23.11.2023	EMAIL FOR DRAWINGS: info@rocconsulting.com

CLIENT: FEC

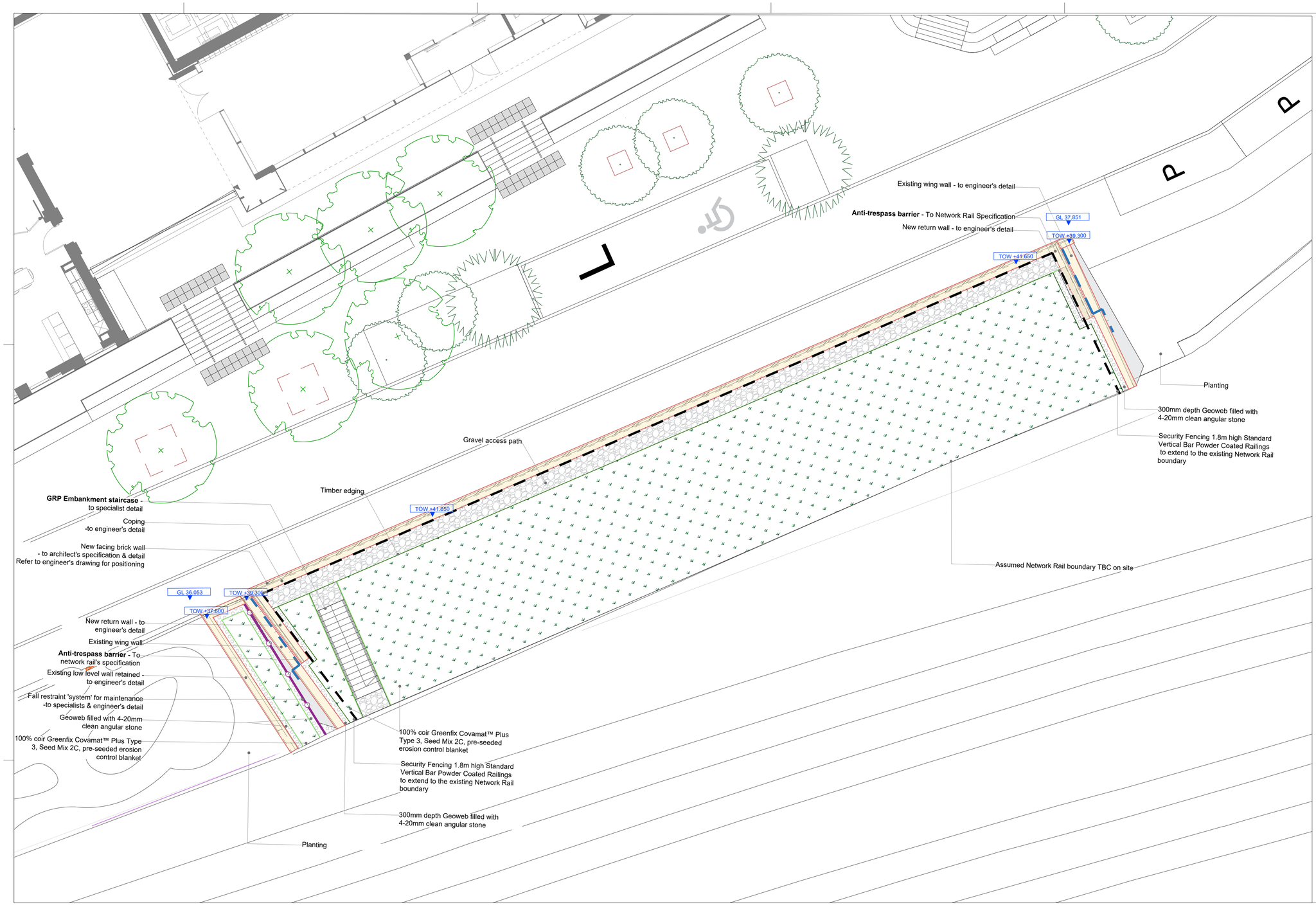
PROJECT TITLE: DANTZIC STREET PHASE 1C MOUND

DRAWING TITLE: GENERAL ARRANGEMENT WING WALL ELEVATIONS

DRAWING No.: RDB-ROC-ZZ-ZZ-DR-S-NR112

REV.: P02

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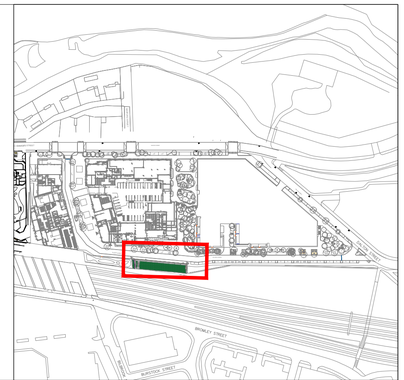
1.0 GENERAL

1.1 Maintenance to be carried out at approximately monthly intervals and to include the following operations:

- Ensure pre-seeded erosion control blanket and geoweb is securely firmed in, securely pinned as per manufacturer's instructions
- Collect litter, sweep and tidy planting areas
- Eradicate weed
- Cut out dead or / and damaged stock or branches, prune as required

1.2 The contractor must ascertain for himself/herself the exact location of underground services and maintenance points

1.3 Water on the same day of planting and thereafter as necessary (min. once per week in periods of drought) to ensure the establishment of grass during the 12months defects period



CDM INFORMATION

NOTES

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Topographical Survey:
Please reference surveyor's survey.

Issue	Revision	Initial	Date
P03	Planting replaced with pre-seeded blanket. Anti-trespass measures added and drawing updated to reflect ROC's details	AB	15.02.2024
P02	For information.	CO	06.12.2023
P01	For information.	AB	30.11.2023

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LONDON The Curator | 38 Chancery Lane | London | WC2A 1EN | 0203 984 4222 | optimisedenvironments.com
MANCHESTER Floor 3 | 86 Princess Street | Manchester | M1 6NG | 0161 696 7550 | optimisedenvironments.com

Client
Far East Consortium

Project
NT02 - 04
Dantzic Street, Manchester

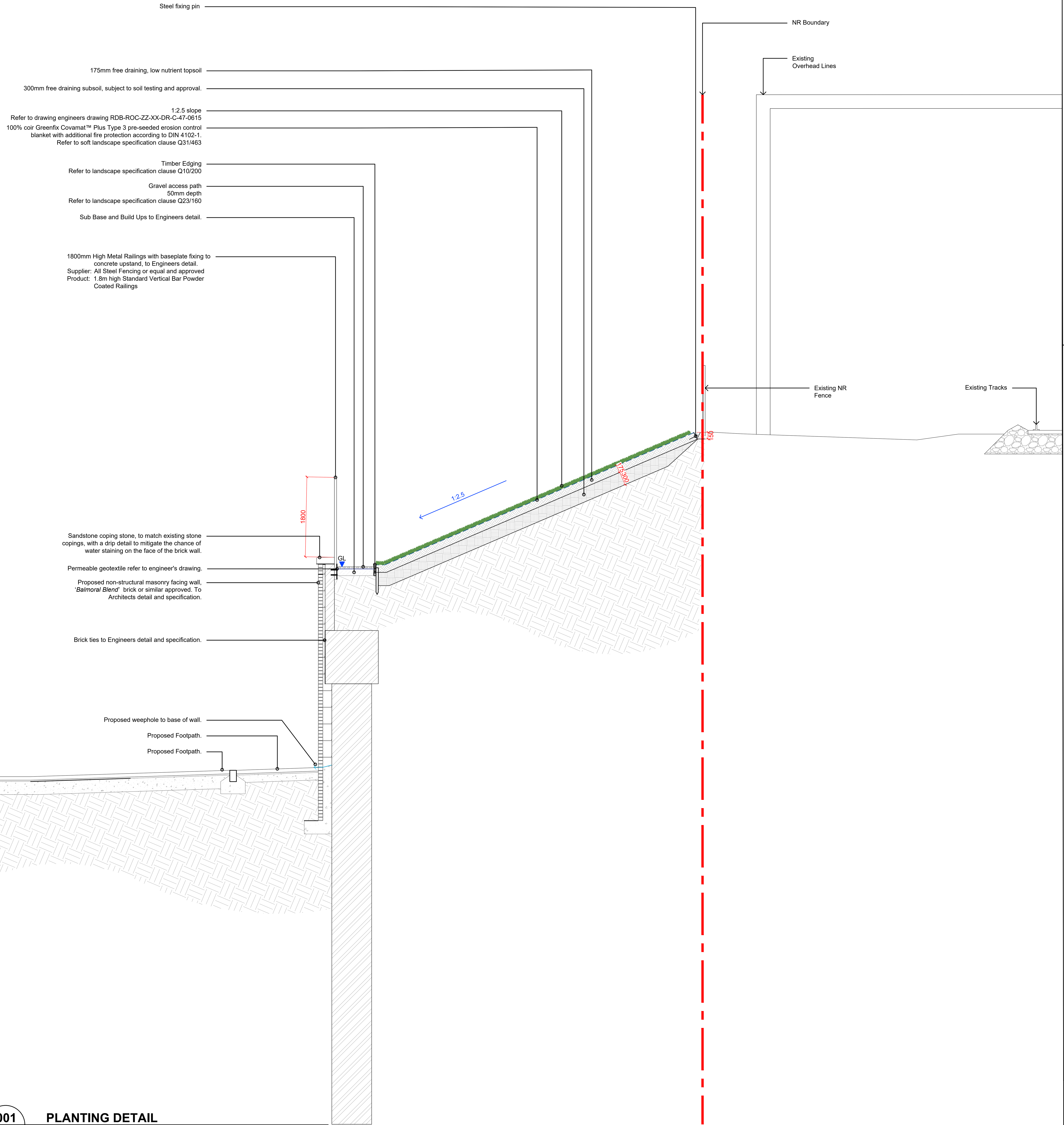
Drawing Title
Retaining Wall Planting
Planting Layout

Scale Bar 5m 10m 15m 20m 25m — North

Scale:	**1:100@A1**	Date:	**30.11.2023**
By:	**AB**	Status:	**For Information**
Checked:	**AW**	Approved:	**AW**

Drawing Number **RDB-OPN-ZZ-ZZ-DR-LA-NR-950001** Rev **P03**

Computer File: R:\Projects\2021\M10394_NT02\Dantzic\SIC\CAD\AUTOCAD\SHEETS\Stage 4B



001 sheet 940001

PLANTING DETAIL

Scale: 1 : 50

TYPICAL DETAIL

Description:
- Timber Edging

Material:
- Treated rough sawn timber

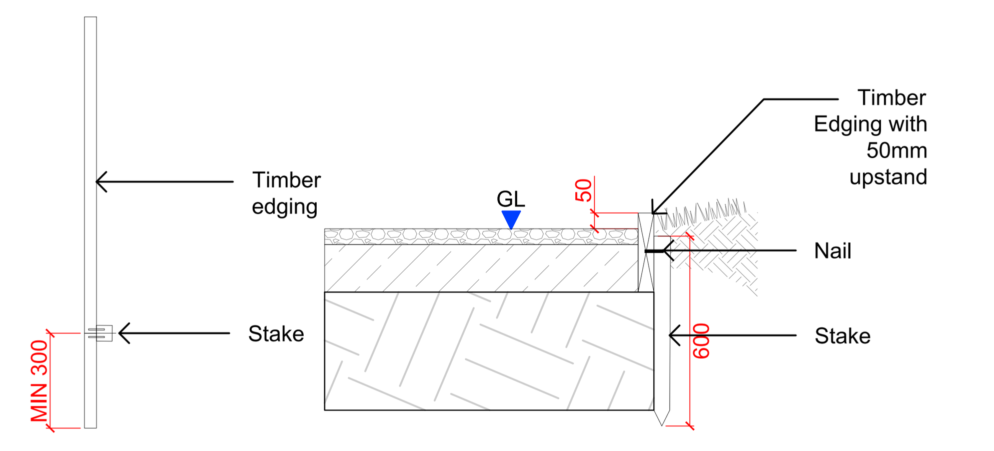
Stakes:
- 600mm x 50mm x 50mm
- 1000mm centres at installation

Fixings:
- Galvanised annular nails
- 2 nails per stake

Foundation and Sub-Base:
- To engineer's detail and specification.

Fabrication:
- In strict accordance with NBS Specification and suppliers guidelines.
- Note: Information stated is design intent.
- Hardwood to be supplied to Landscape Architect for approval prior to construction.

NOTE:
- Typical details state the required principles in delivering thespecified hardworks package.



TYPICAL STRAIGHT DETAIL 001
PLAN @ 1:20

TYPICAL ANGLE DETAIL 002
ELEVATION @ 1:20

002 sheet 940001

HARDWOOD TIMBER EDGING

Scale: 1 : 20

Description:
- Typical Pre-Seeded Blanket Detail

Blanket:
- Product: Covamat Plus Type 3, 100% coir, with additional fire protection according to DIN 4102-1
- Seed mix: 2C
- Supplier: Greenfix or equal and approved

Imported Topsoil:
- Material: Low-nutrient Topsoil to BS3882:2015
- Product: Tested Loamy Sand Topsoil screened to 10mm, suitable for establishment of species-rich wildflower areas.
- Certification: Topsoil Certification to be submitted for approval by Landscape Architect prior to procurement.

Sub Soil:
- Particle Size: Ensure all aggregates exceeding 10mm particle size are removed.
- Materials: None permitted materials include, Peat, products containing Peat, river and canal dredging and uncomposted material.

Installation:

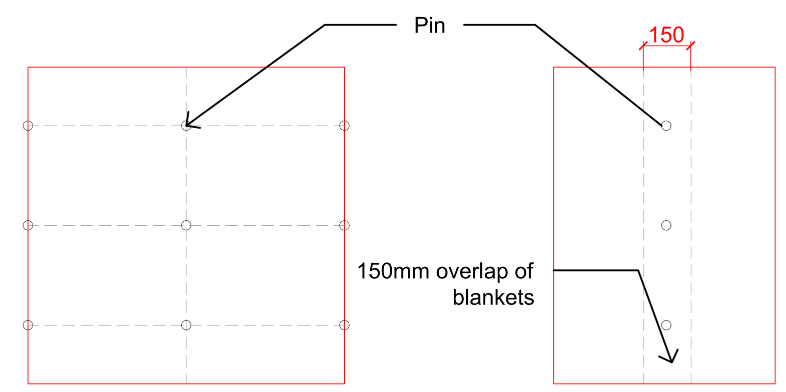
- In strict accordance with supplier guidelines:
- Preparation: Rake the top 25mm -50mm surface layer to a uniform finish
- Fixing: - Dig a 150mm "V" trench at the top of the bank. Carefully roll out the blankets, paper side down, ensuring close contact with the prepared ground
  - Pin blanket to downward side of the "V" trench150mm centres and backfill with soil. See indicative detail.
  - Using steel fixing pins secure the blanket to the slope with 3 pins per m2. See indicative pinning pattern.
- Overlap: Where required overlap adjacent blankets and ends of rolls by 150mm.Securely pin the blanket following the recommended 3 pins per m2.
- Soil: Maximum 5mm thinly cast soil spread atop Greenfix blanket to improve ground contact and seed germination

Meadow planting:

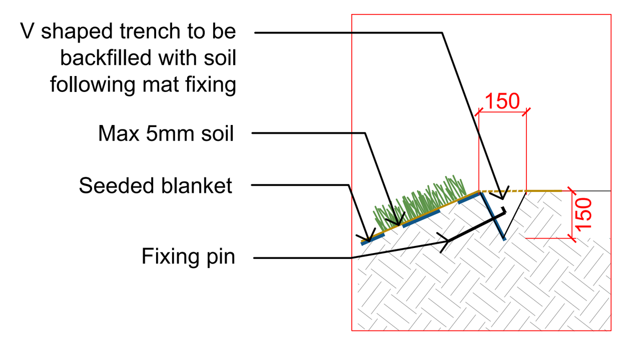
- Seed mix: Woodland/Heavy shade wildflower meadow mix. Specify and include locally sourced seed where possible.
- Supplier: Sowseeds or equal and approved

Soil Preparation:
- Seed Bed: After the seed bed has been prepared, leave for 3-6 weeks to allow unwanted seed bank to germinate.
  Apply herbicide to unwanted vegetation and once dead remove arisings.
  Repeat this process 1 further time.
- Timings: Allow for a minimum of 6 - 8 weeks following the seed bed preparation to create optimum conditions for seed germination.

Sowing:
- Sowing: Create a fine friable seedbed down to 150mm in depth. Carry out two equal sowings at right angles to each other and diagonally to main axis. Broadcast manually rake level and roll. Ensure good seed to soil contact.
- Sowing Date: In strict accordance with supplier guidelines.
- Sowing Rate: In strict accordance with supplier guidelines.
- Pests: Ensure cast seed has adequate protection from birds, pests to allow seed to establish.



3 PINS PER M² PINNING PATTERN



FIXING TO TOP OF SLOPE

003 sheet 940001

FIXING PRE-SEEDED BLANKET

Scale: 1 : 20

CDM INFORMATION

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Topographical Survey:
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Issue	Revision	Initial	Date
P04	Detail changed for pre-seeded blanket instead of planting.	AB	12.02.2024
P03	Added detail for brick facing material; annotation.	JD	08.12.2023
P02	For information.	CO	07.12.2023
P01	For information.	AB	01.12.2023

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Client
Far East Consortium

Project
NT02 - 04
Dantzic Street, Manchester

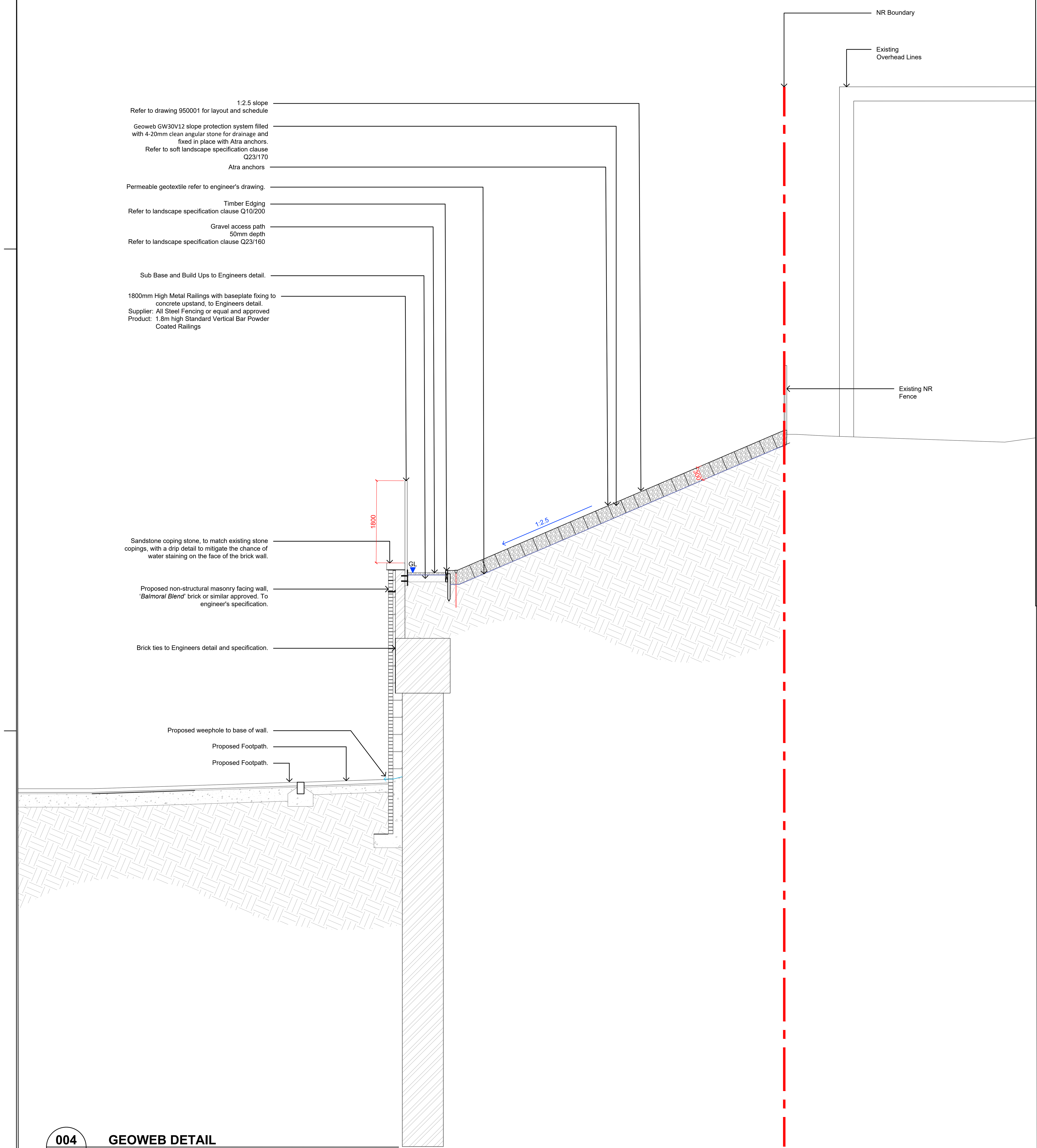
Drawing Title
Retaining Wall Planting
Planting Details

Scale Bar 5m 10m 15m 20m 25m North

Scale: **Varies@A1** Date: **01.12.2023**
By: **AB** Status: **For Information**
Checked: **AW** Approved: **AW**

Drawing Number **RDB-OPN-ZZ-ZZ-DR-LA-NR-940001** Rev **P04**

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004 sheet 940002

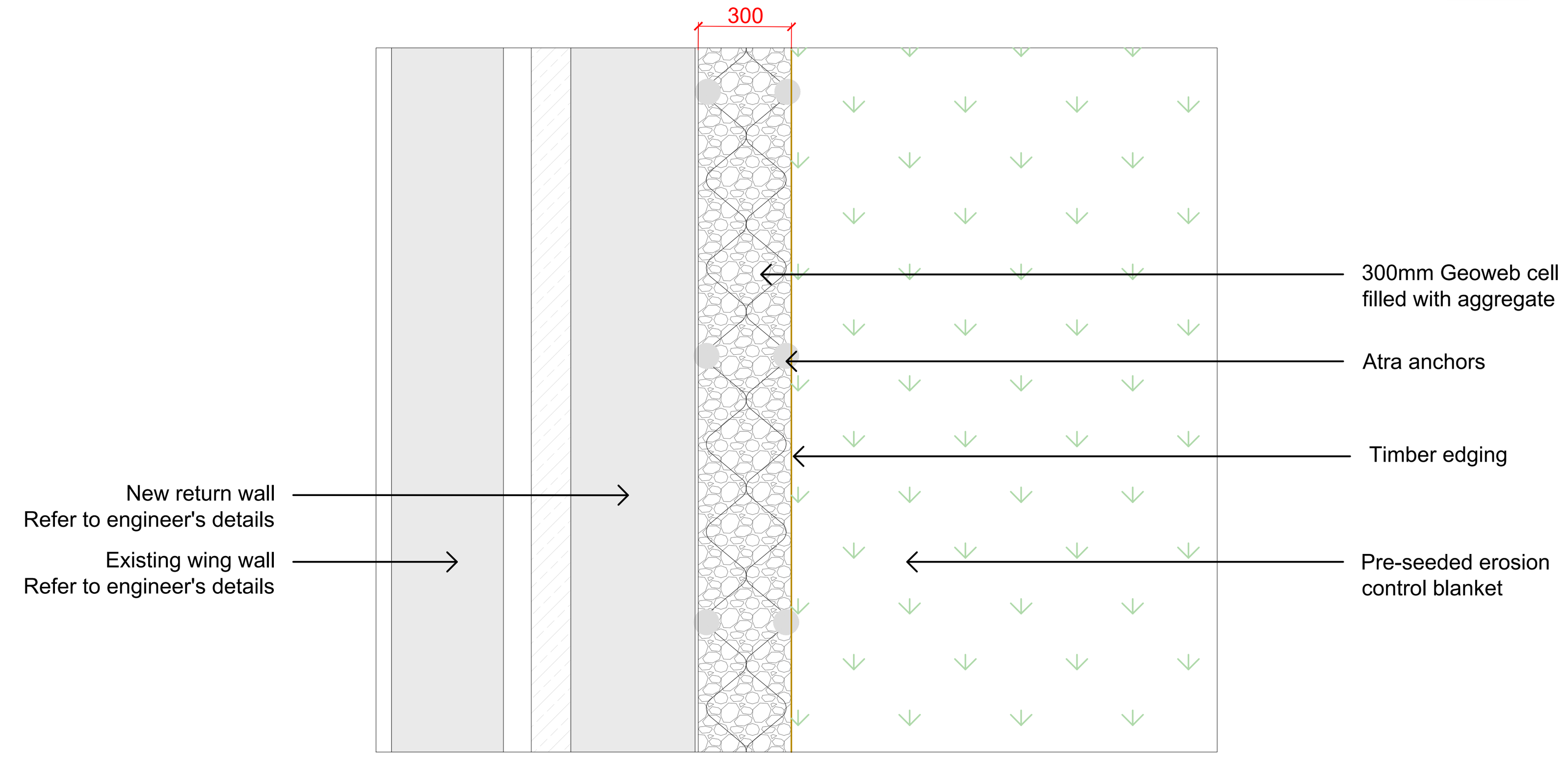
GEOWEB DETAIL

Scale: 1 : 50

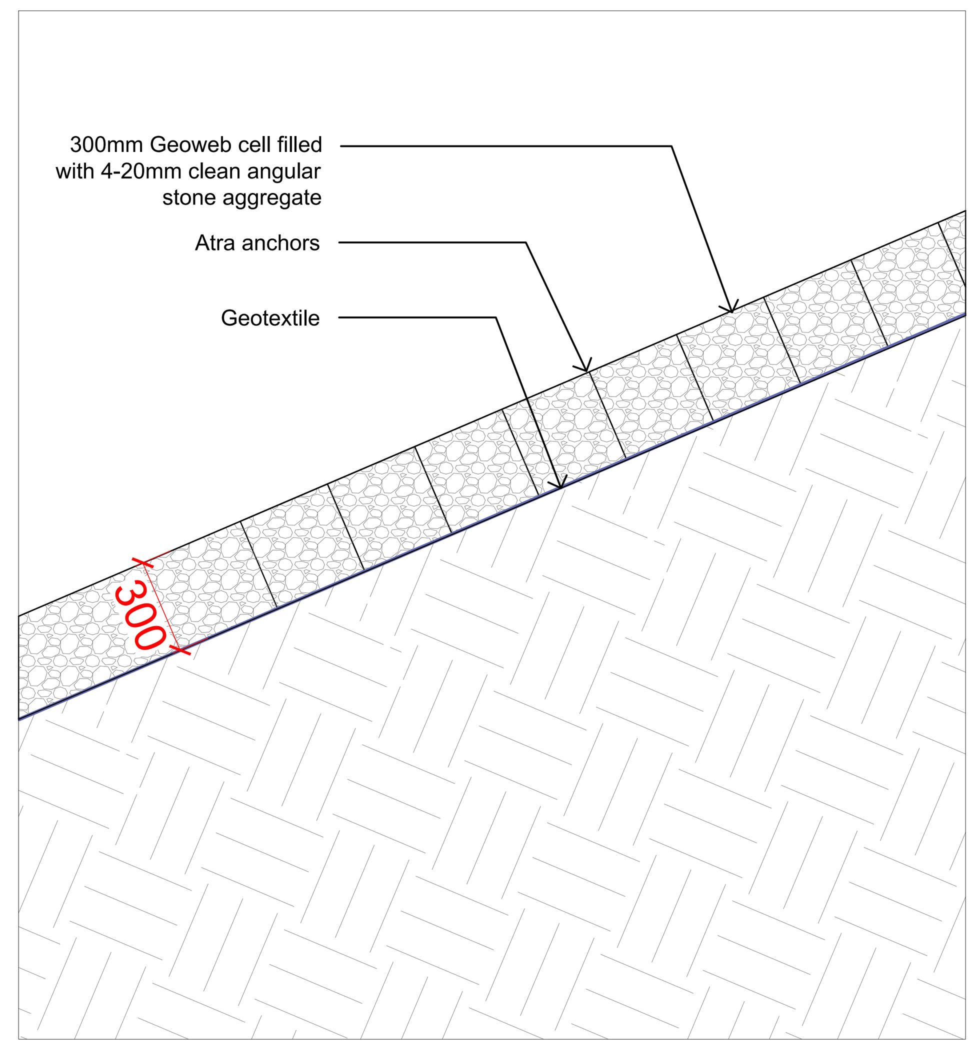
Description:
Geoweb slope stabilisation with Atra Anchorage

System:
- Product: Geoweb GW30V12 slope protection system
- Material: filled with 4-20mm clean angular stone for drainage
- Fixing: Fixed in place with Atra anchors
- Supplier: Greenfix or equal and approved

Installation:
- In strict accordance with manufacturer's specifications
- Atra anchors to be installed in a regular pattern as per manufacturer's instruction. engage arm with geoweb cell wall.
- The geoweb cells shall be filled with the specified material and shall be suitable to withstand the applicable hydraulic conditions.
- The geoweb sections shall be anchored to resist sliding due to driving and hydraulic forces.
- The geoweb panels shall be connected with atra keys at each interleaf and end to end connection



TYPICAL PLAN VIEW



TYPICAL SECTION VIEW

005 sheet 940001

GEOWEB TYPICAL DETAIL

Scale: 1 : 20

CDM INFORMATION

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Issue	Revision	Initial	Date
P01	For information.	AB	09.02.2024

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Client
Far East Consortium

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NT02 - 04
Dantzic Street, Manchester

Drawing Title
Retaining Wall Planting
Geoweb Details

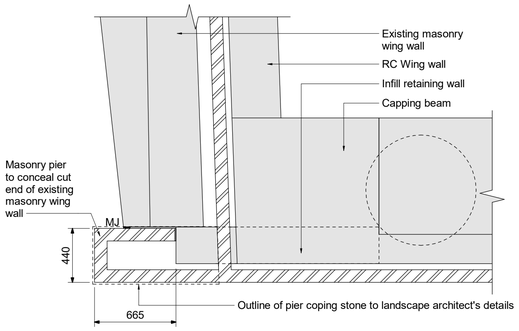
Scale Bar 5m 10m 15m 20m 25m North

Scale:	Varies@A1	Date:	01.12.2023
By:	AB	Status:	For Information
Checked:	AW	Approved:	AW

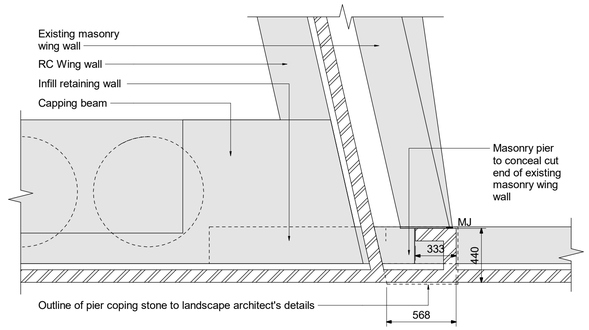
Drawing Number **RDB-OPN-ZZ-ZZ-DR-LA-NR-940002** Rev **P01**

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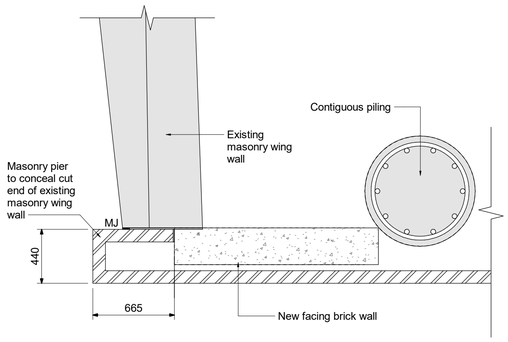
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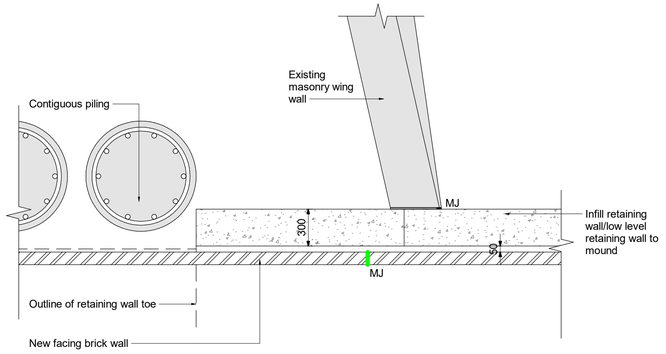
EAST DETAIL ABOVE CAPPING BEAM AT END PILE AND EXISTING WING WALL INTERFACE
SCALE 1:25



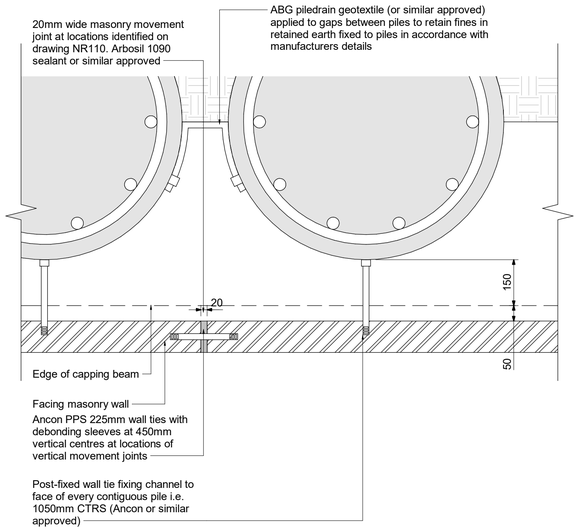
WEST DETAIL ABOVE CAPPING BEAM AT END PILE AND EXISTING WING WALL INTERFACE
SCALE 1:25



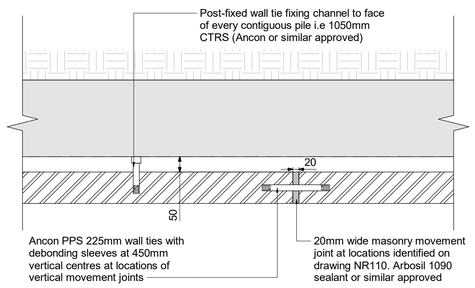
EAST DETAIL BELOW CAPPING BEAM AT END PILE AND EXISTING WING WALL INTERFACE
SCALE 1:25



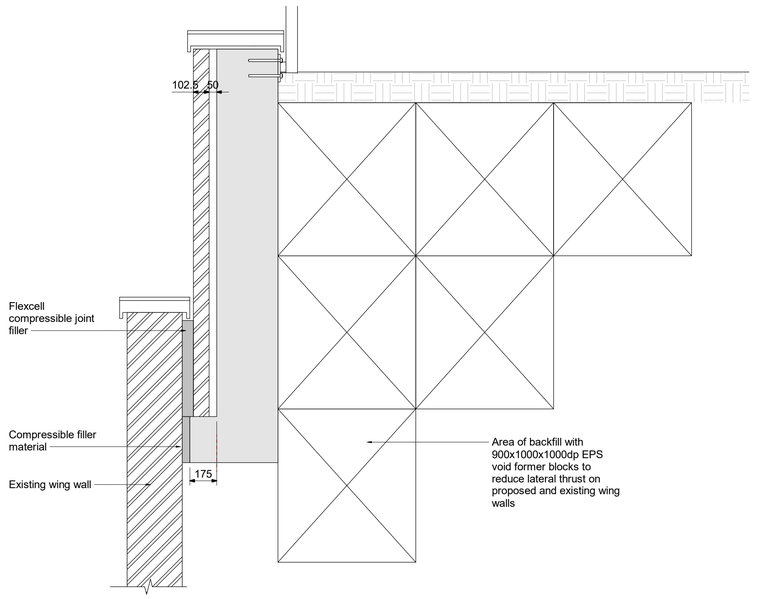
WEST DETAIL BELOW CAPPING BEAM AT END PILE AND EXISTING WING WALL INTERFACE
SCALE 1:25



MASONRY TIES TO PILE
SCALE 1:10



MASONRY TIES TO RETAINING WALL STEMS
SCALE 1:10



TYPICAL WING WALL SECTION
SCALE 1:20

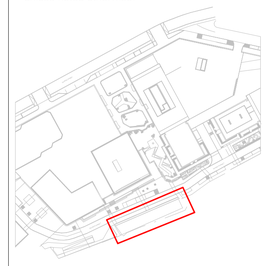
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REV	DATE	DETAILS	DRN	CHK
P02	21.02.2024	UPDATES TO DRN COMMENTS	EGP	DC
P01	23.11.2023	FORM B ISSUE	EGP	DC

DRAWING STATUS: PRELIMINARY

RIBA STAGE: STAGE 04

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	DATE	SCALES
DRAWN: EGP	23.11.2023	As indicated
CHECKED: DC	23.11.2023	THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE -DO NOT SCALE-
APPRVD: JAS	23.11.2023	EMAIL FOR DRAWINGS: info@rocconsulting.com

CLIENT: FEC

PROJECT TITLE: DANTZIC STREET PHASE 1C MOUND

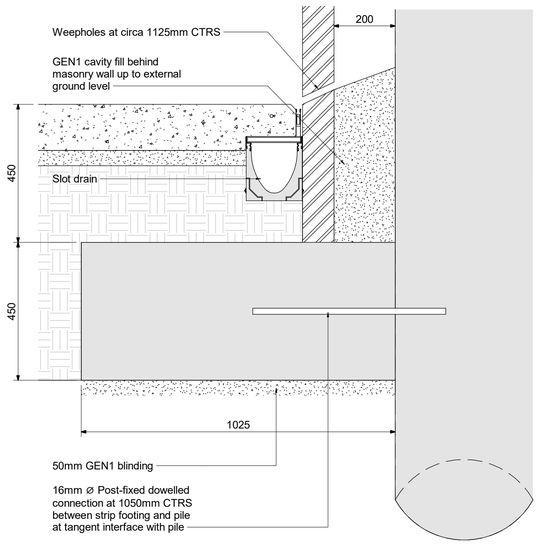
DRAWING TITLE: RETAINING WALL TYPICAL DETAILS SHEET 01

DRAWING No.: RDB-ROC-ZZ-ZZ-DR-S-NR150

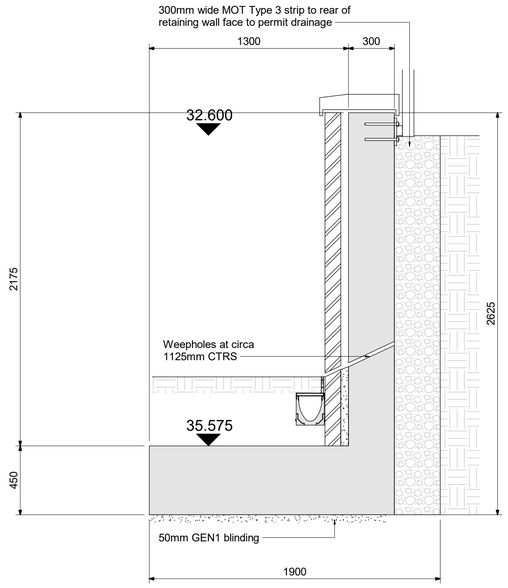
REV.: P02

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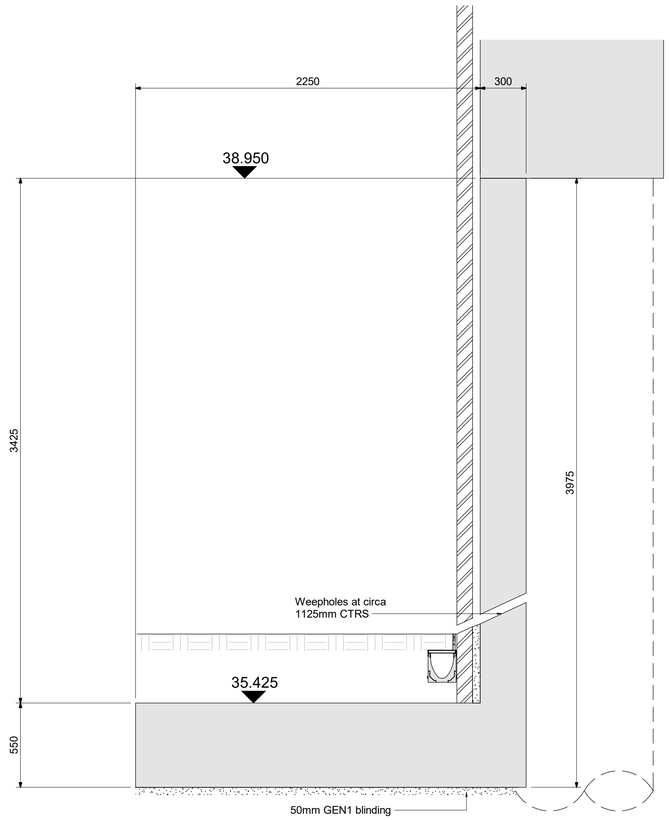
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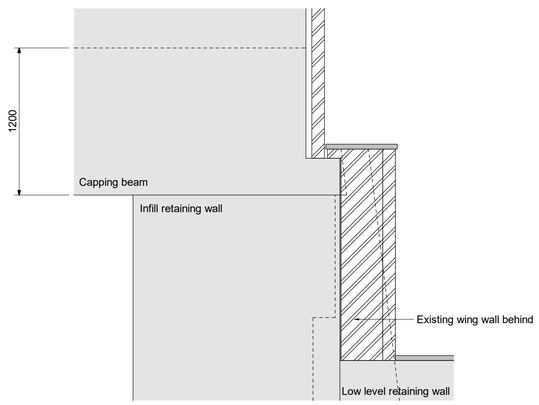
FACING MASONRY WALL FOUNDATION DETAIL
SCALE 1:10



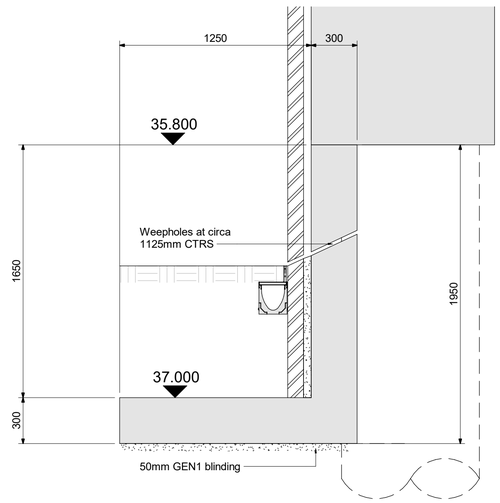
LOW LEVEL RETAINING WALL DETAIL
SCALE 1:20



INFILL RETAINING WALL SECTION - WESTERN END
SCALE 1:20



WEST RETAINING WALL INTERFACE DETAIL
SCALE 1:25



INFILL RETAINING WALL SECTION - EASTERN END
SCALE 1:20

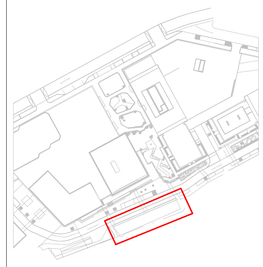
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P02	21.02.2024	UPDATES TO DRN COMMENTS	EGP	DC
P01	23.11.2023	FORM B ISSUE	EGP	DC

DRAWING STATUS: PRELIMINARY

RIBA STAGE: STAGE 04

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APPRVD: JAS	DATE: 23.11.2023	EMAIL FOR DRAWINGS: info@rocconsulting.com

CLIENT: FEC

PROJECT TITLE: DANTZIC STREET PHASE 1C MOUND

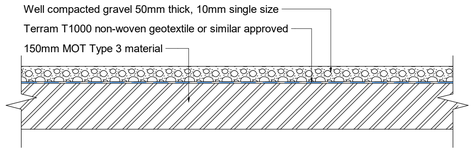
DRAWING TITLE: RETAINING WALL TYPICAL DETAILS SHEET 02

DRAWING No.: RDB-ROC-ZZ-ZZ-DR-S-NR151

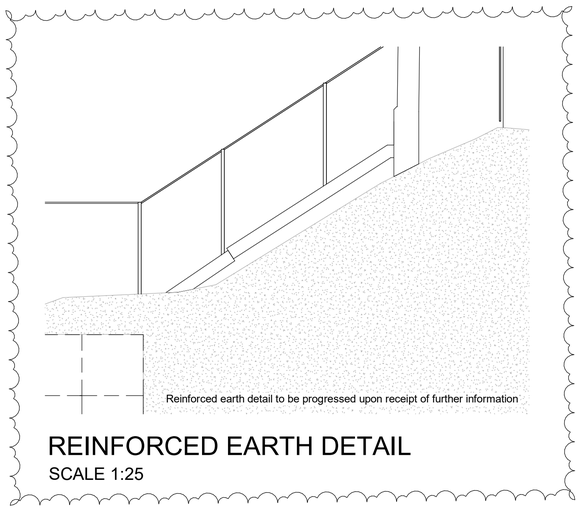
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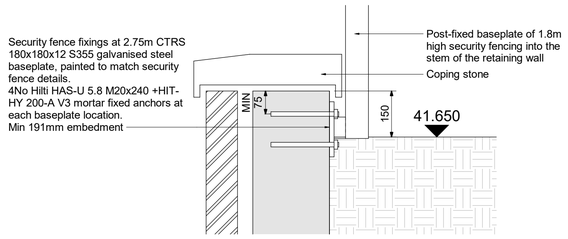


ACCESS WALKWAY BUILD-UP DETAIL
SCALE 1:10

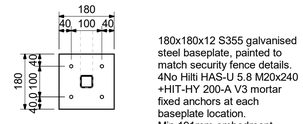


REINFORCED EARTH DETAIL
SCALE 1:25

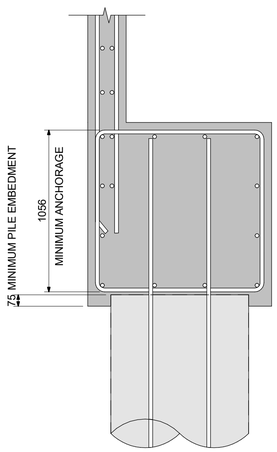
IN ABEYANCE



COPING & SECURITY FENCE FIXING DETAIL
SCALE 1:10



SECURITY FENCE BASEPLATE DETAIL
SCALE 1:10



TYPICAL PILE CAPPING BEAM CONNECTION DETAIL
SCALE 1:20

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P01	21.02.2024	UPDATES TO DRN COMMENTS	EGP	DC

DRAWING STATUS: PRELIMINARY

RIBA STAGE: STAGE 04

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CLIENT: FEC

PROJECT TITLE: DANTZIC STREET PHASE 1C MOUND

DRAWING TITLE: RETAINING WALL TYPICAL DETAILS SHEET 03

DRAWING No.: RDB-ROC-ZZ-ZZ-DR-S-NR152

REV.: P01

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