



Trial Pit Log

Status: **Final**

TP19

Sheet 1 of 1

Project: King's Cross Triplets

Project No: 5393

Ground Level: 25.219mOD

Coordinates: 529968.00E
183577.01N

Description	Legend	Depth (m)	O.D. Level (m)	Samples / In Situ Testing		
				Type	Depth	Test Results
MADE GROUND: TARMACADAM		0.05	25.17	ES	0.45	
CONCRETE and granite cobbles		0.25	24.97			
CONCRETE with rebar.		0.35	24.87			
MADE GROUND: type 1 GRAVEL		0.45	24.77			
MADE GROUND: Red slightly sandy fine to coarse angular brick GRAVEL		0.65	24.57			
MADE GROUND: Soft brown sandy gravelly CLAY. Gravel is fine to coarse angular to rounded flint and brick.				ES	1.85	
End of Trial Pit at 2.80 m		2.80	22.42			

Notes

Client: Carillion
Consultant: Arup
Date Excavated: 29/01/2014
Plant: 13T
Date Printed: 02/06/2014
Logged By: DAB
Checked By: RS

Hole Type: TP
Stability: Stable
Groundwater: None
Weather Conditions:
Backfill: Arisings

Shoring: None

Bearing: -

Dimensions:

General:



Trial Pit Log

Status: **Final**

TP28

Sheet 1 of 1

Project: King's Cross Triplets

Project No: 5393

Ground Level: 20.924mOD

Coordinates: 529985.86E
183562.57N

Description	Legend	Depth (m)	O.D. Level (m)	Samples / In Situ Testing		
				Type	Depth	Test Results
CONCRETE		0.20	20.72	D	0.20	
MADE GROUND: Brown very sandy angular to rounded fine to coarse flint and brick GRAVEL. Sand is fine to coarse.		0.30	20.62	ES	0.20	
				ES	0.30	
		0.64	20.28	EW	0.30	
		0.80	20.12	ES	0.64	
MADE GROUND: Soft to firm light brown mottled black and greenish brown slightly gravelly sandy CLAY. Gravel is subangular to rounded flint and brick. Sand is fine and medium.				EW	0.64	
				D	0.64	
		1.30	19.62	ES	0.64	
				ES	0.80	
MADE GROUND: Soft black slightly gravelly SILT. Gravel is angular to rounded fine to coarse flint.				D	0.80	
				ES	0.80	
		2.10	18.82	D	1.30	
				ES	1.60	
MADE GROUND: Soft to firm dark greenish grey and brown mottled black slightly gravelly CLAY. Gravel is angular to rounded fine to coarse flint.				EW	1.60	
MADE GROUND: Soft to firm dark greenish grey and brown mottled black slightly gravelly CLAY. Gravel is angular to rounded fine to coarse flint.						
Firm dark brown thinly laminated CLAY.						
End of Trial Pit at 2.10 m						

Notes

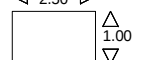
Client: Carillion
Consultant: Arup
Date Excavated: 03/02/2014
Plant: 13T
Date Printed: 02/06/2014
Logged By: JHS
Checked By: RS

Hole Type: TP
Stability: Stable
Groundwater: None
Weather Conditions:
Backfill: Arisings

Shoring: None

Bearing: -

Dimensions: $\triangleleft$ 2.50 $\triangleright$



General:

B5 Goods Way Logs



Soil Mechanics

BOREHOLE No. SA7381

Sheet 1 of 3

Equipment & Methods
Hand dug inspection pit to 1.20m. Cable tool boring, 150mm dia to 5.00m.

Location No. 8109
Location

CONTRACT 2 FOR PHASE 4 (1997) GROUND INVESTIGATIONS IN PROJECT AREA 100

Carried out for
Union Railways Limited

Ground Level
23.34 m AOD

Coordinates
530135.80 mE
183424.12 mN

Date
05/06/97

Description	Reduced Level	Legend	Depth (Thick)	Samples/Tests			Field Records
				Depth	Sample Type No.	Test	
Grey CONCRETE, strong. (MADE GROUND)	23.34 23.24		(0.10) 0.10 (0.40)	0.40	C 1		
Grey brown clayey angular to subangular fine to medium GRAVEL of limestone, brick, tarmac and flint with much fine to medium sand. (MADE GROUND - GRAVEL)	22.84 22.74 22.64	0.70-1.20m. moderate "solvent" odour, becoming faint 1.70-1.80 Between 1.70-1.80m. horizon of brown CLAY with some to much fine to medium / subangular gravel of concrete, flint, brick and black ash/slag	0.50 (0.10) 0.60 (0.10) 0.70	1.00 - 1.20 1.30 - 1.50 1.70 1.90 - 2.00	C 2 B 3 D 4 C 5		
BRICK. (MADE GROUND)			(2.10)				
CONCRETE, strong. (MADE GROUND)	20.54		2.80 (0.60)	2.80	D 6		
Dark grey slightly clayey fine to medium SAND with some to much subangular fine to medium gravel of concrete, flint, brick and ash. (MADE GROUND - SAND)	19.94		3.40 (0.80)	3.40 - 3.50 3.40 - 3.60	D 8 C 7		
Firm greenish grey CLAY, mottled black with some rounded fine to medium gravel of rounded flint. (LONDON CLAY)	19.14		4.20 (0.80 pen)	4.20 - 4.60	C 9		
Firm to stiff orange brown mottled blue grey sandy CLAY with much fine to medium gravel of flint. (LONDON CLAY)	18.34		5.00	4.80 - 5.00	D 10		
Firm to stiff brown, mottled blue grey extremely closely fissured CLAY. Some fine gravel size very stiff clay with occasional ochrous silt/sand pockets (LONDON CLAY)							
BOREHOLE ENDS AT 5.00 m.							

Remarks

1. Slotted standpipe installed on completion, see sheet 3.

Logged by

JR

Scale

1:50

Notes:

Materials are described in accordance with Appendices. For explanation of symbols and abbreviations see Fig. 1.

(c) Soil Mechanics (Ver 5.5)

30/09/97 16:42:43

Fig. 153



Soil Mechanics

BOREHOLE No. SA7381

Sheet 2 of 3

Equipment & Methods

As sheet 1

Location No. 8109

Location

CONTRACT 2 FOR PHASE 4 (1997) GROUND
INVESTIGATIONS IN PROJECT AREA 100

Carried out for

Union Railways Limited

Ground Level

Coordinates

Date

As sheet 1

Water Level Observations During Boring

Date	Time	Depth of Hole (m)	Depth of Casing (m)	Depth to Water (m)	Remarks
05/06/97		5.00	3.00	DRY	End of hole

Hole Diameter by Depth Table

Depth of Hole (m)	Diameter of Hole (mm)	Diameter of Casing (mm)	Depth of Casing (m)
5.00	150	150	0.00

Remarks

Logged by

JR

Scale

1:50

Notes:

Materials are described in accordance with Appendices. For explanation of symbols and abbreviations see Fig. 1.

(c) Soil Mechanics (Ver 5.5)

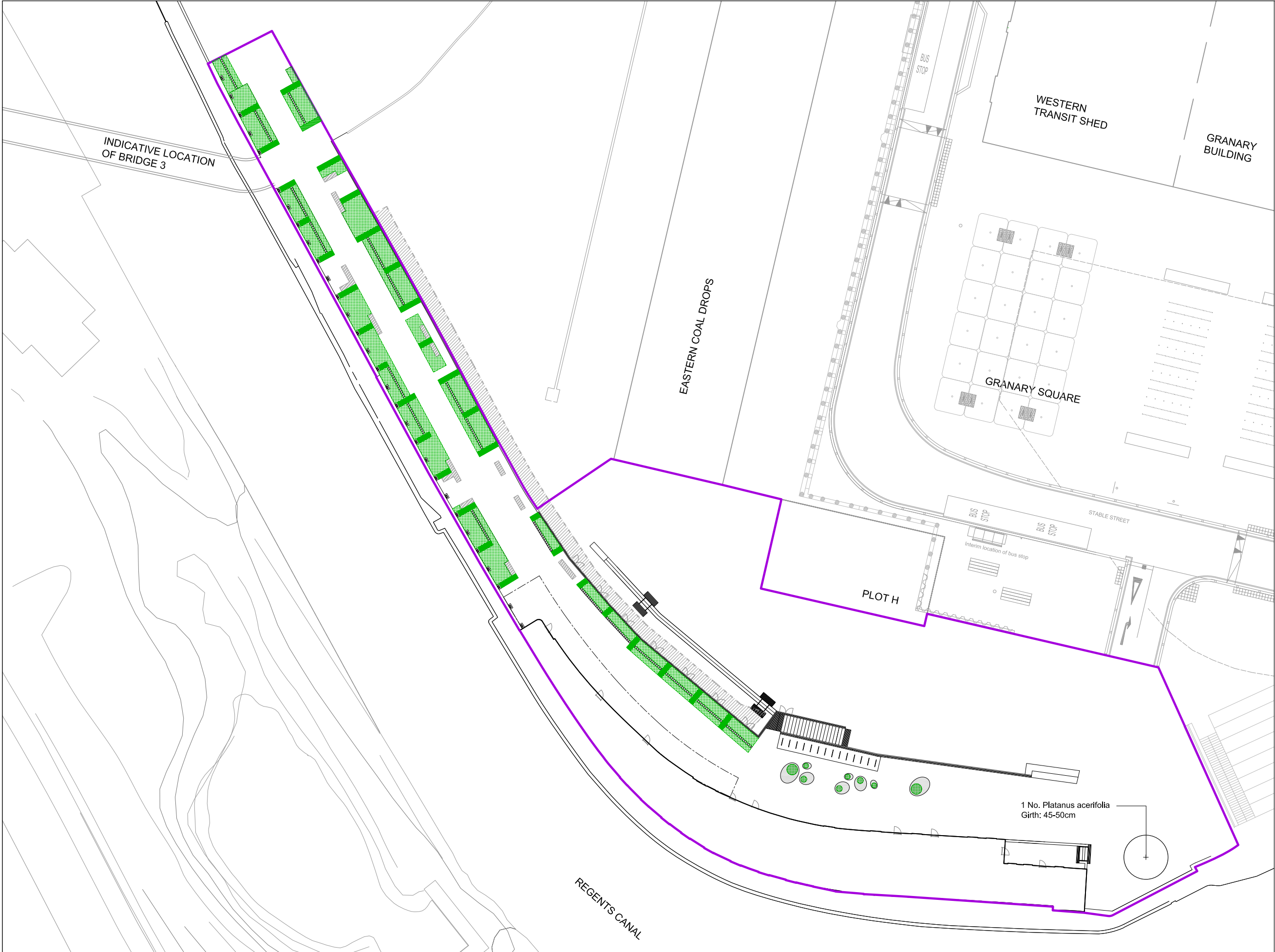
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Fig.
153

Appendix C

Landscape Design Drawings

C1



KEY

EMPLOYERS REQUIREMENT BOUNDARY

PROPOSED SEMI-MATURE TREE

SHRUB / HERBACEOUS PLANTING
AS PER DAN PEARSON'S DETAIL AND SPECIFICATION

HEDGE PLANTING
AS PER DAN PEARSON'S DETAIL AND SPECIFICATION

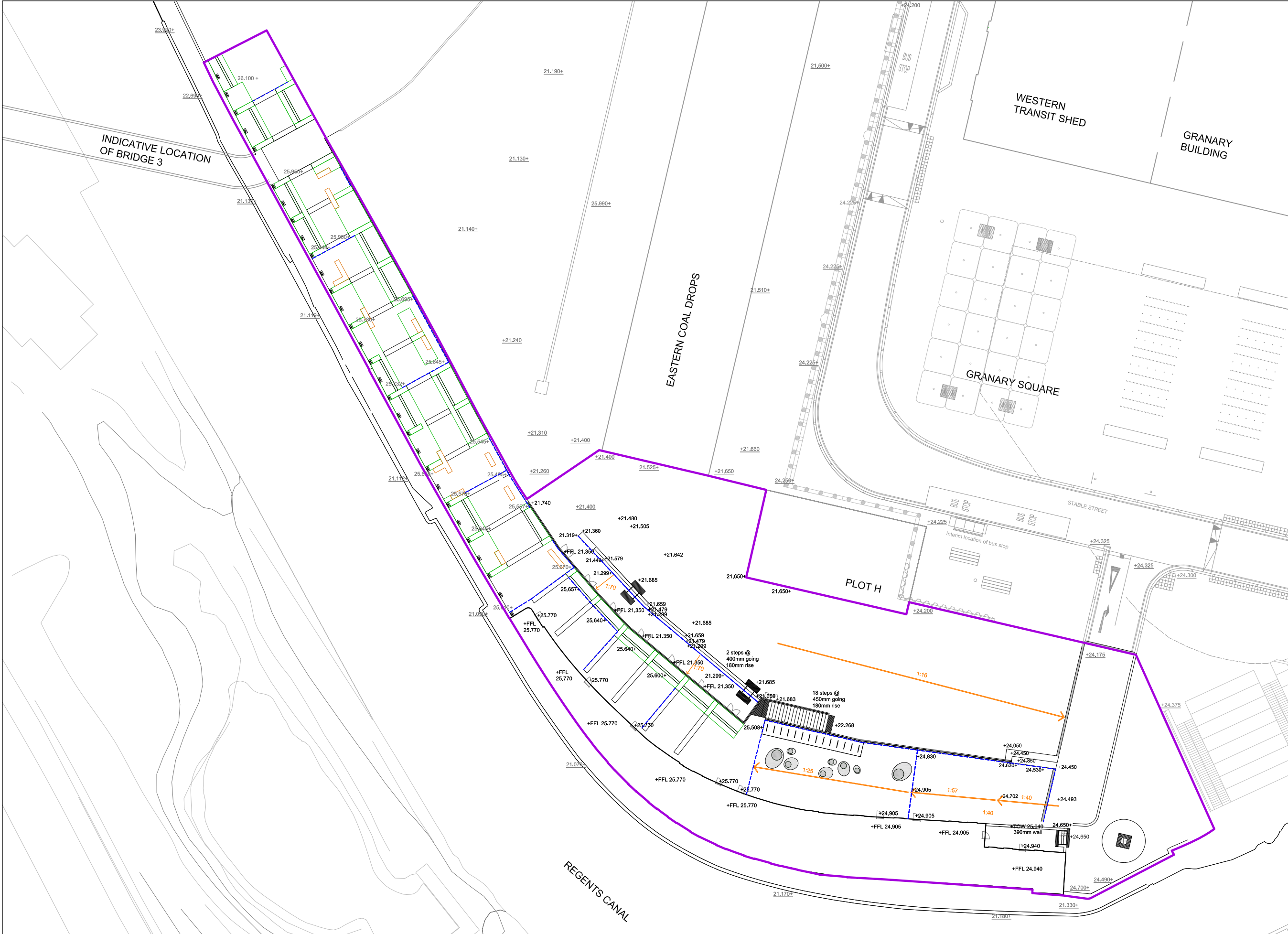
LENGTH 1500mm/3000mm x 300mm WIDTH x 700mm DEPTH
CONCRETE CORE AND
CAST IRON/ CORTEN STEEL CAST IRON CLADDING
EMERGENCY VEHICULAR RESTRAINT

HZORB ZINC OVAL PLANTER
BY DOMANI OR EQUAL AND APPROVED
VARIOUS SIZES AS PER DAN PEARSON'S
DETAIL AND SPECIFICATION

FOR APPROVAL

Project WHARF ROAD VIADUCT AND COAL DROPS RAMP	Drawing Title PUBLIC REALM PLANTING PLAN	Revision	Date					Client KING'S CROSS CENTRAL GENERAL PARTNER LTD Address: 4 Stable Street, King's Cross, London, N1C 4AB Telephone: 020 3664 0200	Consultant TOWNSHEND Landscape Architects Unit 3A Zetland House London EC2A 4HJ Telephone: 020 7729 9333 Fax 020 7729 3300 E-Mail: ta@townshenda.com	Project No. 279.14	Scale 1:250@A1/ 1:500@A3	Approved By MA	Drawing No. 279.14(08)3001	Revision R04
		R00 -	17.01.14											
		R01- Key annotation amendments	24.01.14											
		R02 - Text amended	03.06.14											
		R03 - Retaining wall updated	05.06.14											
		R04 - Step layout amended	03.07.14							Date JUNE '14	Drawing Size A1	Drawn By MK		





KEY

RESERVED MATTERS SUBMISSION BOUNDARY

EXISTING LEVELS TO BE RETAINED

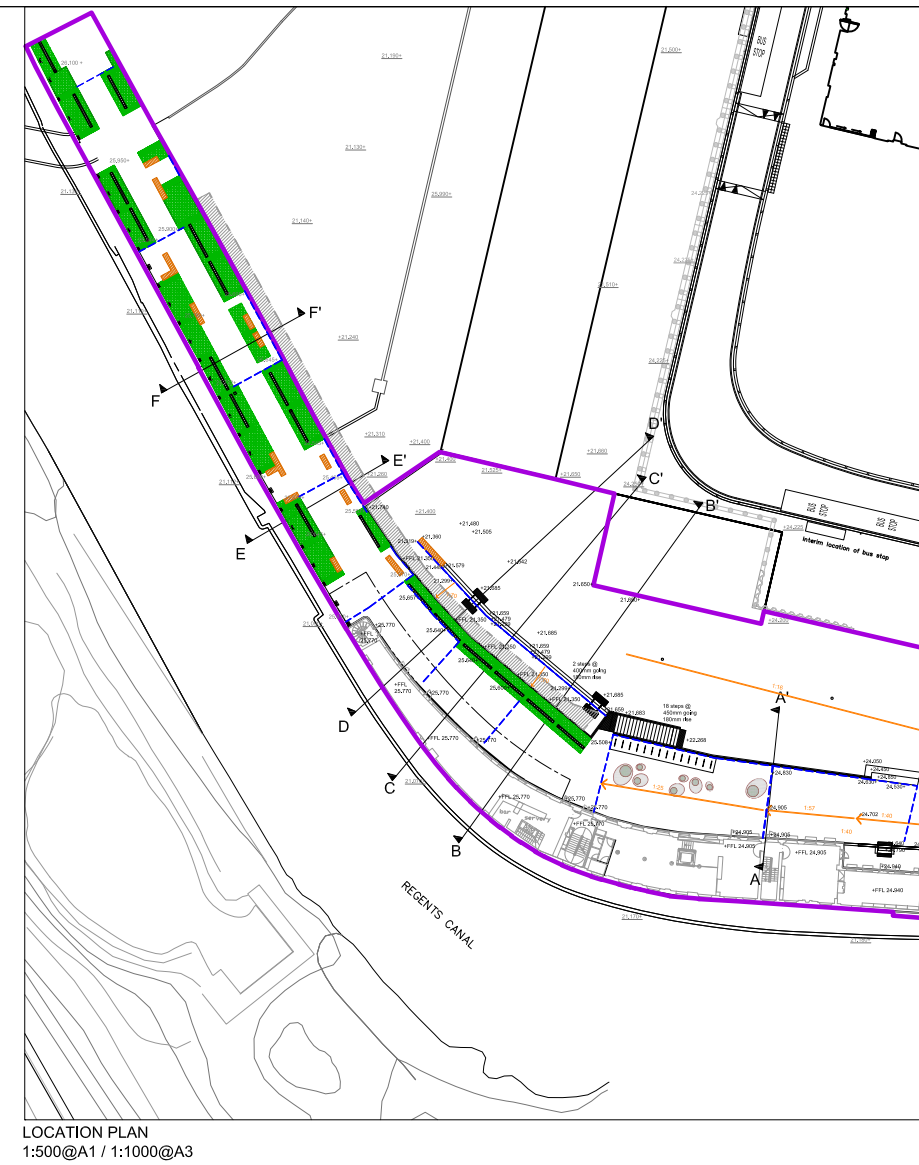
PROPOSED LEVELS

GRADIENTS

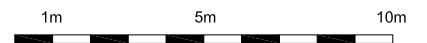
SLOT DRAIN

FOR APPROVAL

Project WHARF ROAD VIADUCT AND COAL DROPS RAMP	Drawing Title PUBLIC REALM SURFACE LEVELS PLAN	Revision	Date	R05 - Steps layout amended	03.07.14	Client KING'S CROSS CENTRAL GENERAL PARTNER LTD Address: 4 Stable Street, King's Cross, London, N1C 4AB Telephone: 020 3664 0290	Consultant TOWNSHEND Landscape Architects Unit 3A Zetland House London EC2A 4HJ Telephone: 020 7729 9333 Fax 020 7729 3300 E-Mail: ta@townshenda.com	Project No.	Scale	Approved By	Drawing No.	Revision
		R00 - PLANNING ISSUE	14.01.14					279.14	1:250@A1/ 1:500@A3	MA	279.14(08)5002	R05
		R01 - Levels minor amendments	24.01.14					Date	Drawing Size	Drawn By		
		R02 - Ground Floor spill out area amended	27.02.14					JUNE '14	A1	MK		
		R03 - Text amended	03.06.14									
		R04 - Level amended	05.06.14									



FOR APPROVAL

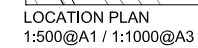


Project WHARF ROAD VIADUCT AND COAL DROPS RAMP	Drawing Title PUBLIC REALM LANDSCAPE SECTIONS AA', BB' & CC'	Revision	Date	R06 - Sections amended	24.01.14		Client KING'S CROSS CENTRAL GENERAL PARTNER LTD Address: 4 Stable Street, King's Cross, London, N1C 4AB Telephone: 020 3664 0200	Consultant TOWNSHEND Landscape Architects  Unit 3A Zettland House London EC2A 4HU Telephone: 020 7729 9333 Fax: 020 7729 3300 Email: info@townshend.co.uk	Project No.	Scale	Approved By	Drawing No.	Revision R08
		R01 - Central steps removed	11.11.13	R07 - Text amended	03.06.14				279.14	1:100@A1/ 1:200@A3	MA		
		R02 - Viaduct build ups amended	15.11.13	R08 - Section A-A' levels amended	05.06.14				Date	Drawing Size	Drawn By		
		R03 - Viaduct hard and soft landscape amended	25.11.13			JUNE '14			A1	MK			
		R04 - Bespoke seat added to conclude lower steps	05.12.13										
		R05 - Viaduct hard and soft landscape amended	14.01.14										

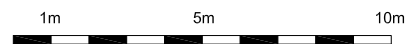
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NOTE:
- EXISTING BRICK PARAPET WALL
ALONG CANAL TO BE REINFORCED BY
THE ADDITION OF NEW BRICK PIERS
ON THE INSIDE FACE AT APPROX 2.5M
CENTRES. BRICKS TO MATCH EXISTING

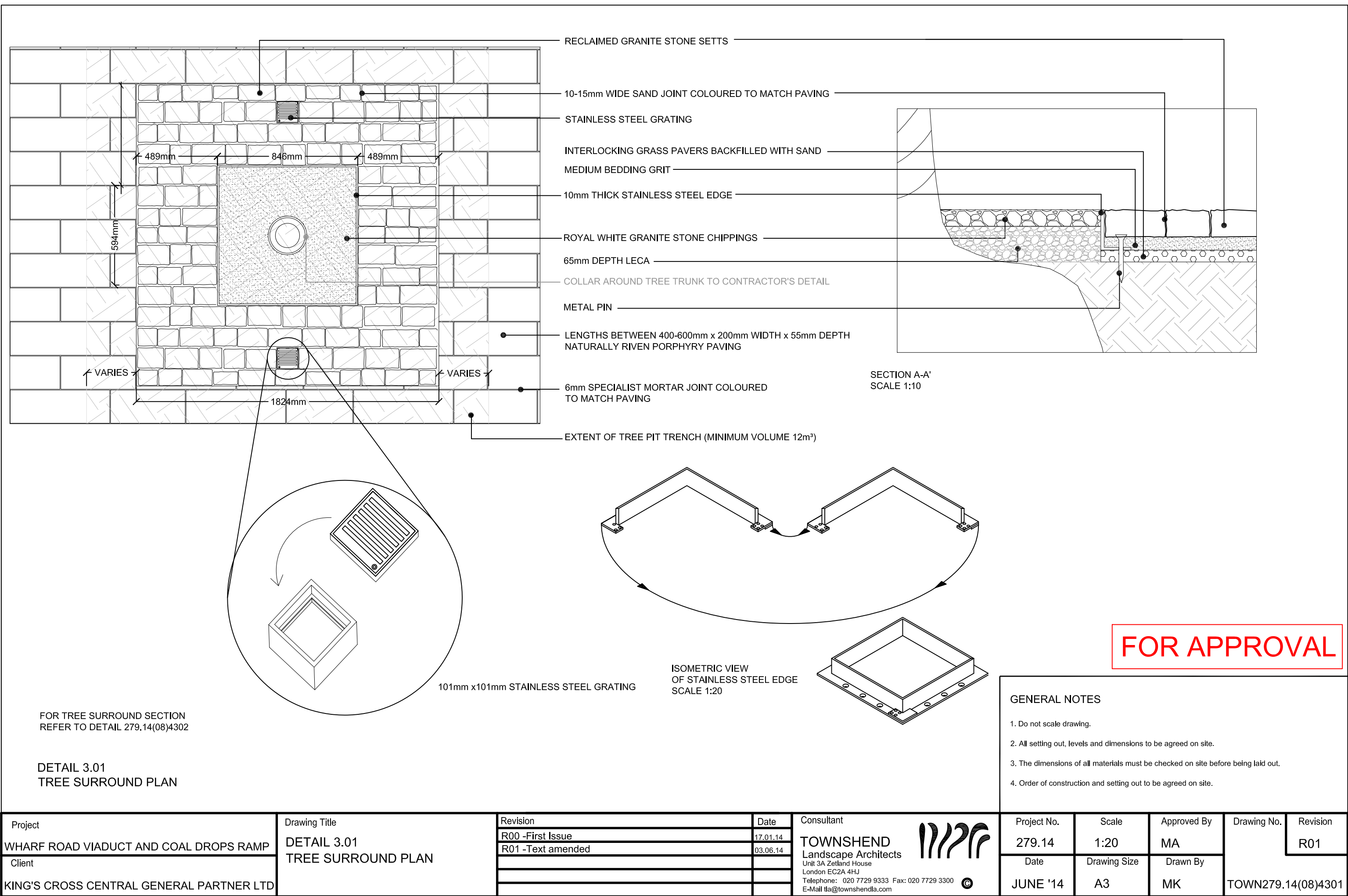


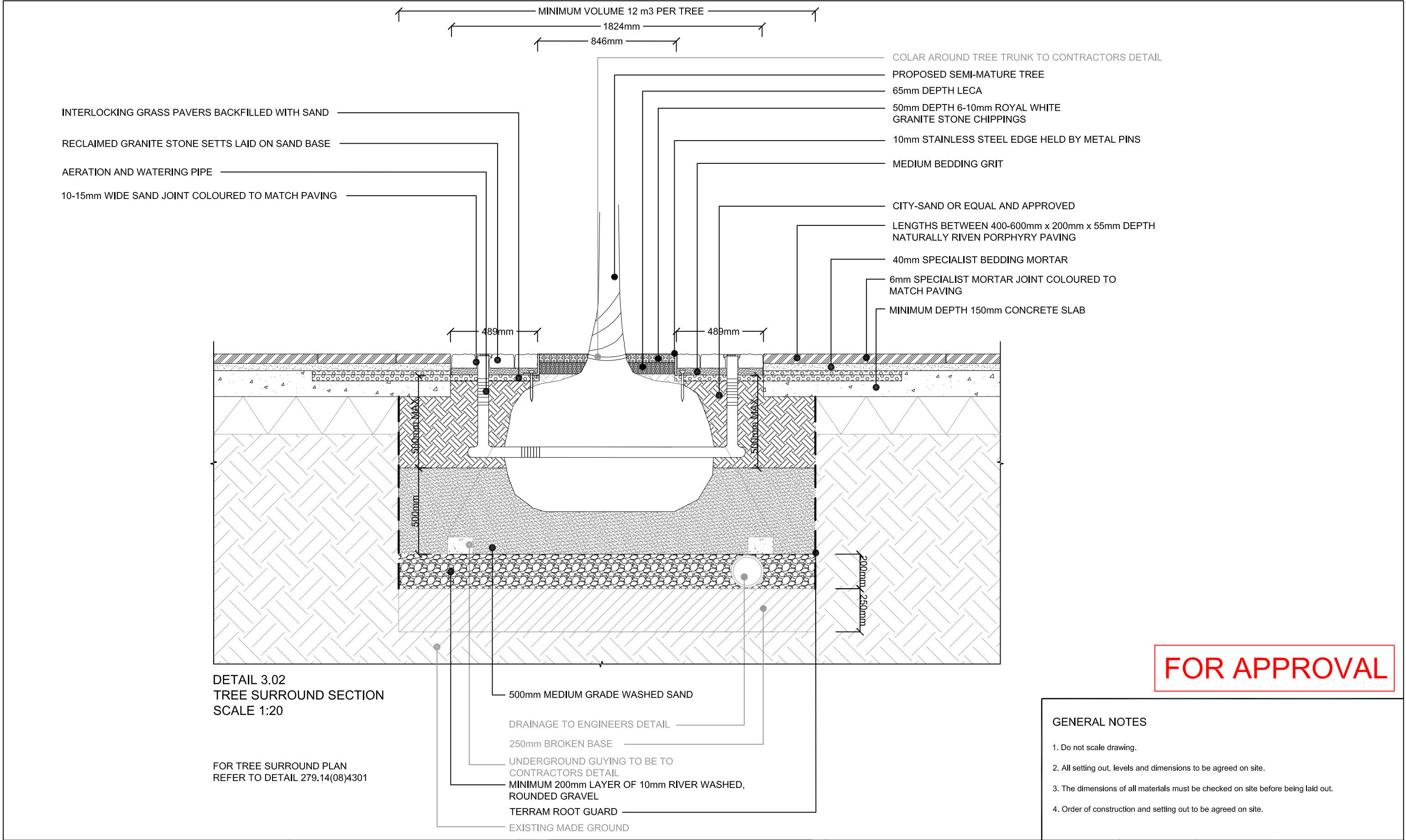
FOR APPROVAL



Project WHARF ROAD VIADUCT AND COAL DROPS RAMP	Drawing Title PUBLIC REALM LANDSCAPE SECTIONS DD', EE' & FF'	Revision	Date	R06 - Sections amended	24.01.14		Client KING'S CROSS CENTRAL GENERAL PARTNER LTD Address: 4 Stable Street, King's Cross, London, N1C 4AB Telephone: 020 3664 0200	Consultant TOWNSHEND Landscape Architects  Unit 3A Zetland House London EC2A 4HU Telephone: 020 7729 9333 Fax: 020 7729 3300 Email: info@townshend.co.uk	Project No.	Scale	Approved By	Drawing No.	Revision R08
		R01 - Central steps removed	11.11.13	R07 - Text amended	03.06.14				279.14	1:100@A1 1:200@A3	MA		
		R02 - Viaduct build ups amended	15.11.13	R08 Planter amended	05.06.14				Date	Drawing Size	Drawn By		
		R03 - Viaduct hard and soft landscape amended	25.11.13			JUNE '14			A1	MK			
		R04 - Bespoke seat added to conclude lower steps	05.12.13										
		R05 - Viaduct hard and soft landscape amended	14.01.14										

TOWN279.14(08)7002





FOR APPROVAL

- GENERAL NOTES
1. Do not scale drawing.
 2. All setting out, levels and dimensions to be agreed on site.
 3. The dimensions of all materials must be checked on site before being laid out.
 4. Order of construction and setting out to be agreed on site.

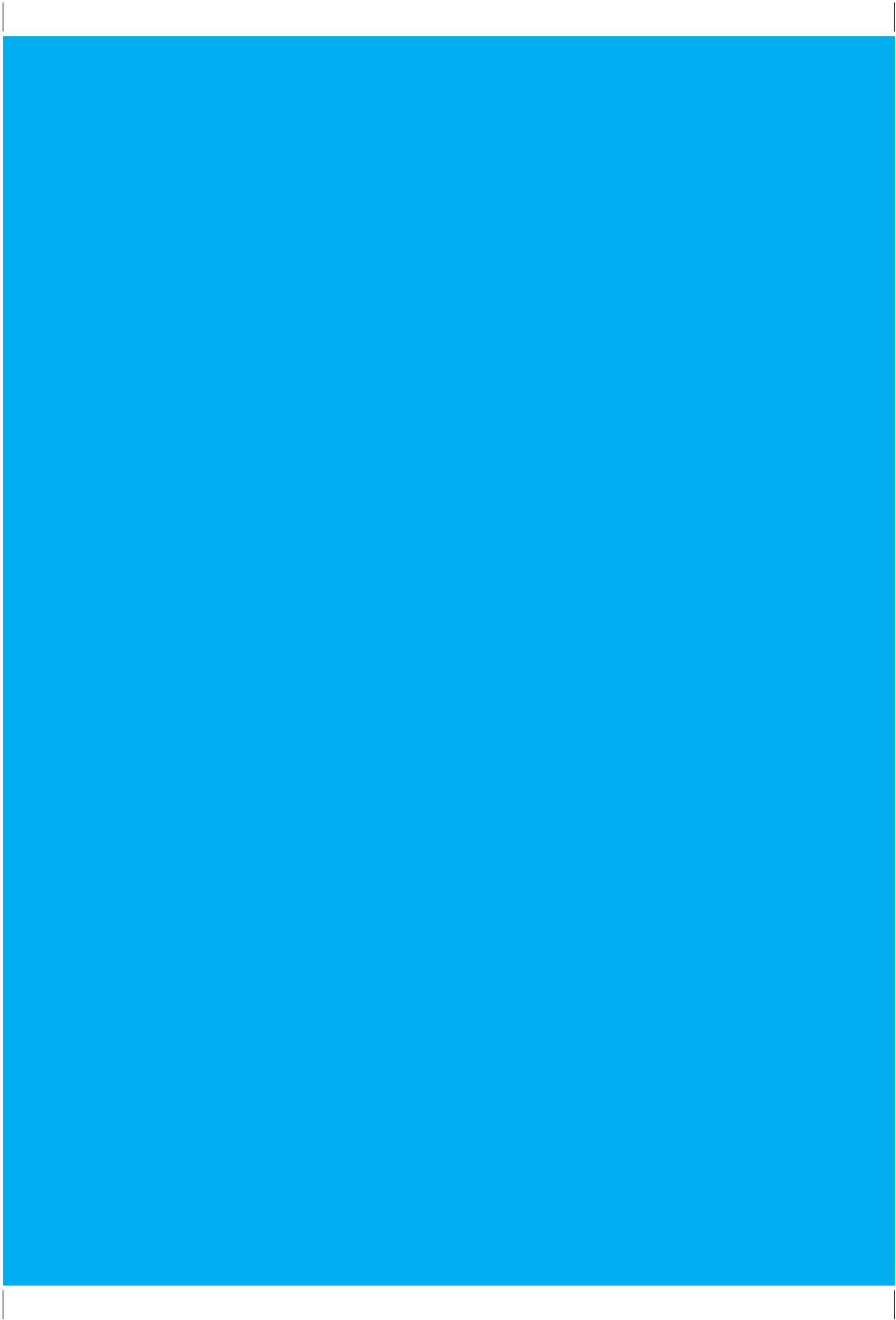
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WHARF ROAD VIADUCT AND COAL DROPS RAMP	DETAIL 3.02	R00 -	17.01.14	TOWNSHEND	279.14	1:20	MA		R01
Client	TREE SURROUND SECTION	R01 - Text amended	03.06.14	Landscape Architects	Date	Drawing Size	Drawn By		
KING'S CROSS CENTRAL GENERAL PARTNER LTD				Unit 3A Zetland House London EC2A 4HJ Telephone: 020 7729 9333 Fax: 020 7729 3300 E-Mail tla@townshendla.com	JUNE '14	A3	MK	TOWN279.14(08)4302	

Appendix D

Screening Spreadsheets

D1 Fish and Coal Building

D2 Goods Way



King's Cross

4 Stable Street
King's Cross
London
N1C 4AB

T +44 (0)20 3664 0200
www.kingscross.co.uk