

DIEPSLOOT PUBLIC ENVIRONMENT UPGRADE PHASE 2

14 October 2021





Main heading

Sub-heading

Professional title

Name of company

Company logo to be painted or vinyl printed with correct colours

0,8 mm 'Chromadek - Ivory White', Site Notice Board fixed to galv. mild steel or painted surround frame as per Signage Specialist detail and specification, (to withstand min. 1200Pa)

40mm Thick navy blue border

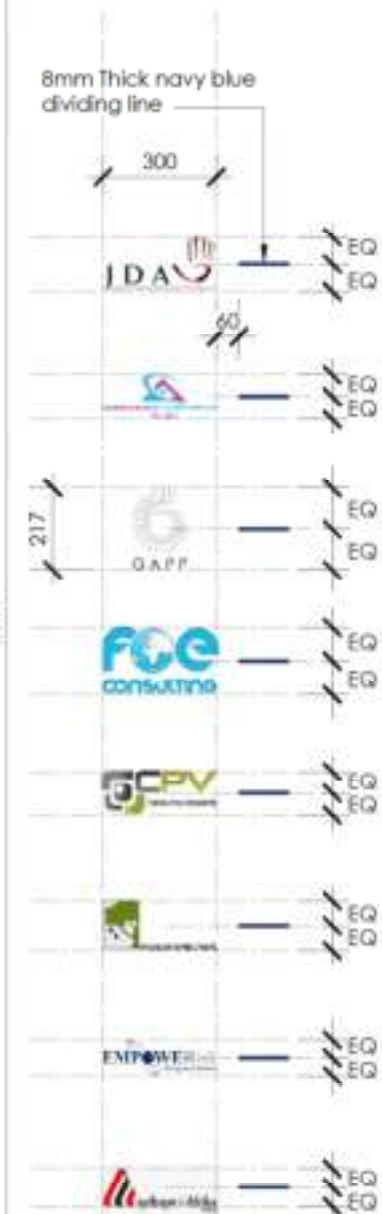
8mm Thick navy blue dividing line

Radius 80 mm

Contractor to provide designs for structural supports and foundations to be approved by the structural engineer

NOTICE BOARD TO COMPLY WITH THE STANDARD NOTICE BOARD FOR THE BUILDING PROFESSIONS AS APPROVED BY THE INSTITUTE OF SOUTH AFRICAN ARCHITECTS, ASSOCIATION OF SOUTH AFRICAN QUANTITY SURVEYORS AND FEDERATION OF SOCIETIES OF PROFESSIONAL ENGINEERS.

FRONT ELEVATION
Scale 1:20 PRINTED ON AN A3 SIZE PAPER



SETTING OUT OF COMPANY LOGO Scale 1:20

LETTERING AND SETTING OUT	
MAIN HEADING	70mm high Sans Serif bold lettering in upper case. Colour: Ivory White. Refer to drawing alongside for wording
SUB-HEADINGS	50mm high Sans Serif bold lettering in upper and lower case. Colour: Ivory White. Refer to alongside for wording
PROFESSIONAL TITLES	30mm high Sans Serif bold lettering in upper case. Colour: black. Refer to drawing alongside for wording
NAME OF COMPANY	50mm high Sans Serif bold lettering in upper case unless as shown otherwise . Colour: black. Refer to alongside for wording
CONTACT / ENQUIRIES DETAILS	30mm high Sans Serif bold lettering in upper and lower case. Colour: Ivory White. Refer to drawing alongside for wording

- TYPEFACE NOTES:**
 - Project name and owner are to be "Ivory white" lettering, on background of "navy blue".
 - Professions and company names to be in "navy blue" on "Ivory white" field.
 - Contact details and enquiries are to be "Ivory white" lettering, on background of "navy blue".
 - Typeface to be used shall be **Sans Serif**. It is recommended that the standard letters are obtained from Letrasign dealers.
 - Sizes of lettering and dimensions as indicated, are to be adhered to strictly.
- LOGOS & BORDER NOTES:**
 - Signwriter or signage specialist is to be supplied with paper copies of company logo's which is to be painted or vinyl printed onto the construction notice board.
 - Signwriter to obtain correct colours for individual logos from relevant companies and departments.
 - Border to be 40mm thick Navy Blue.
 - Dividing lines under professional titles to be 8mm thick Navy Blue.
- GENERAL NOTES:**
 - Signwriter to provide shop drawings for approval.
 - Quantity to be x1: Position to be determined on site - to architects approval.
 - Proof print to be provided for approval prior to manufacturing, including paint specification to be used.



SETTING OUT OF JDA & CITY OF JOHANNESBURG LOGOS Scale 1:20

No.	DATE	By	DESCRIPTION
0	23 Apr 2021	JN	Issue to contractor for procurement
A	22 Apr 2021	JN	Issue for information

ARCHITECT

GAPP
architects/urban designers

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110 longmarket street
cape town 8001
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f +27 21 426 1324
e office@h.gapp.net

johnannesburg
97 second avenue
melville 2002
t +27 11 482 1648
f +27 11 482 1216
e office@h.gapp.net

CLIENT
Johannesburg Development Agency

PROJECT		DRAWING TITLE		
Diepsloot Public Environment Upgrade Phase 2		Construction Notice Board		
DATE 2021.04.22	AUTHOR JN	DESIGNED BY A.L.	CHECKED BY A.L.	SCALE As shown
JOB NO DPEU 2091.2	DRAWING NO. C 000	REVISION NUMBER. 0		

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**JB MARKS EAST
TYPICAL PAVERS SPECIFICATIONS**

- CB - Sidewalk**
(221.2 x 110.8 x 60mm) Concrete interlocker paver
Colour: Red
- CC - Furniture Zone**
(221.2 x 110.8 x 60mm) Concrete interlocker paver
Colour: CHARCOAL or similar colour to architect's approval.
- CC - BAND**
(221.2 x 110.8 x 60mm) Concrete interlocker paver
Colour: CHARCOAL or similar colour to architect's approval.
- VJ**
600 x 300 x 60 Precast Concrete Paving Slab
Colour: Grey

**GATESIDE ROAD
TYPICAL PAVERS SPECIFICATIONS**

- CB - Sidewalk**
(221.2 x 110.8 x 60mm) Concrete interlocker paver
Colour: Red
- CC - Furniture Zone**
(221.2 x 110.8 x 60mm) Concrete interlocker paver
Colour: CHARCOAL or similar colour to architect's approval.
- CC - BAND**
(221.2 x 110.8 x 60mm) Concrete interlocker paver
Colour: CHARCOAL or similar colour to architect's approval.
- VJ**
600 x 300 x 60 Precast Concrete Paving Slab
Colour: Grey

TYPICAL KERB SPECIFICATIONS

- STORMWATER CHANNEL:**
FIG C900 Mountable kerb
Size: 300 x 125 x 100 mm
- ROAD KERB:**
FIG 8C Heavy Duty Mountable kerb
Size: 300 x 200 x 100 mm
- EDGE BEAM:**
FIG 3: Barrier kerb
Size: 300 x 150 x 125 mm

Bollard

Refer to template specs and detail drawing no. 502

DRIVEWAY PAVERS SPECIFICATIONS

G-80
221.2 x 110.8 x 80 mm Conc interlocker pavers
Colour: Charcoal

DRIVEWAY EDGE RESTRAINT SPECIFICATIONS

EDGE RESTRAINT KERB:
FIG 12: Garden kerb
Size: 75 x 150 mm

EDGE BEAM:
FIG 3: Barrier kerb to be laid flat
Size: 300 x 150 x 125 mm

TYPICAL KERB SPECIFICATIONS ALONG ROAD BELLMOUTH

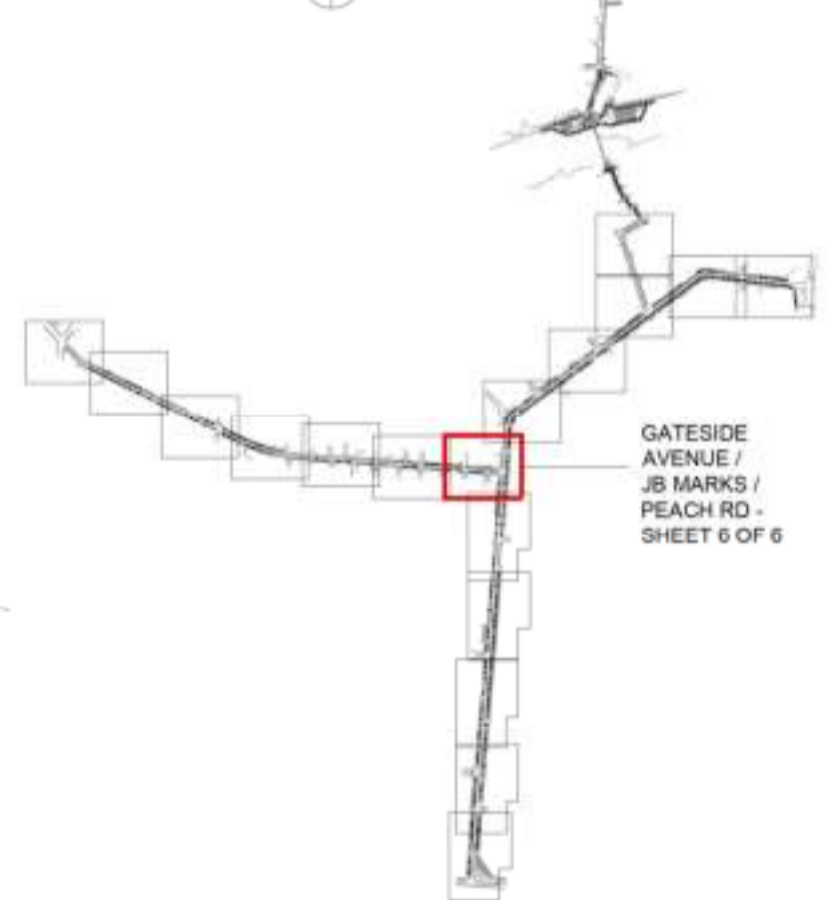
- STORMWATER CHANNEL:**
FIG C900 Mountable kerb
Size: 300 x 125 x 100 mm
- ROAD KERB:**
FIG 3: Barrier kerb
Size: 300 x 150 x 125 mm
- TRANSITION KERB:**
FIG 3/8C Transition kerb
Size: 300 x 200 x 150 mm

PEACH ROAD

TYPICAL PAVERS SPECIFICATIONS

- CB - Sidewalk**
(221.2 x 110.8 x 60mm) Concrete interlocker paver
Colour: Red
- CC - Furniture Zone**
(221.2 x 110.8 x 60mm) Concrete interlocker paver
Colour: CHARCOAL or similar colour to architect's approval.
- CC - BAND**
(221.2 x 110.8 x 60mm) Concrete interlocker paver
Colour: Charcoal
- VJ**
600 x 300 x 60 Precast Concrete Paving Slab
Colour: Grey

KEY MAP



Issued	rev	date	by	description
0	15 Feb 2021	JN		Issue to Maibuye Construction

client

JOHANNESBURG DEVELOPMENT AGENCY

project
DIEPSLOOT PHASE 2: PUBLIC ENVIRONMENT UPGRADE

drawing
GATESIDE AVE / JB MARKS / PEACH ROAD - SHEET 6 OF 6

scale	date	drawn	rev
1:250	09/09/2020	JN	0

status
FOR SITE HANDOVER MEETING

checked
JN

drawing no.
DPEU 2091.2 - C101.5

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JB MARKS EAST TYPICAL PAVERS SPECIFICATIONS

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Colour: CHARCOAL or similar colour to architect's approval.

CC - BAND
(221.2 x 110.8 x 60mm) Concrete interlocker paver
Colour: CHARCOAL or similar colour to architect's approval.

VJ
600 x 300 x 60 Precast Concrete Paving Slab
Colour: Grey

DRIVEWAY PAVERS SPECIFICATIONS
G-80
221.2 x 110.8 x 80 mm Conc interlocker pavers
Colour: Charcoal

DRIVEWAY EDGE RESTRAINT SPECIFICATIONS
EDGE RESTRAINT KERB:
FIG 12, Garden kerb
Size: 75 x 150 mm

EDGE BEAM:
FIG 3, Barrier kerb to be laid flat
Size: 300 x 150 x 125 mm

Traders Stall
Refer to template specs and detail drawing no. 504.0, 504.1 and 504.2

Tree Planting and Planter
Refer to template specs and detail drawing no. 503

Litter Bin
Refer to template specs and detail drawing no. 500

Street Light
Refer to Electrical Engineer's drawings and details

Bollard
Refer to template specs and detail drawing no. 502

TYPICAL KERB SPECIFICATIONS

STORMWATER CHANNEL:
FIG C900 Mountable kerb
Size: 300 x 125 x 100 mm

ROAD KERB:
FIG 8C Heavy Duty Mountable kerb
Size: 300 x 200 x 100 mm

EDGE BEAM:
FIG 3, Barrier kerb
Size: 300 x 150 x 125 mm

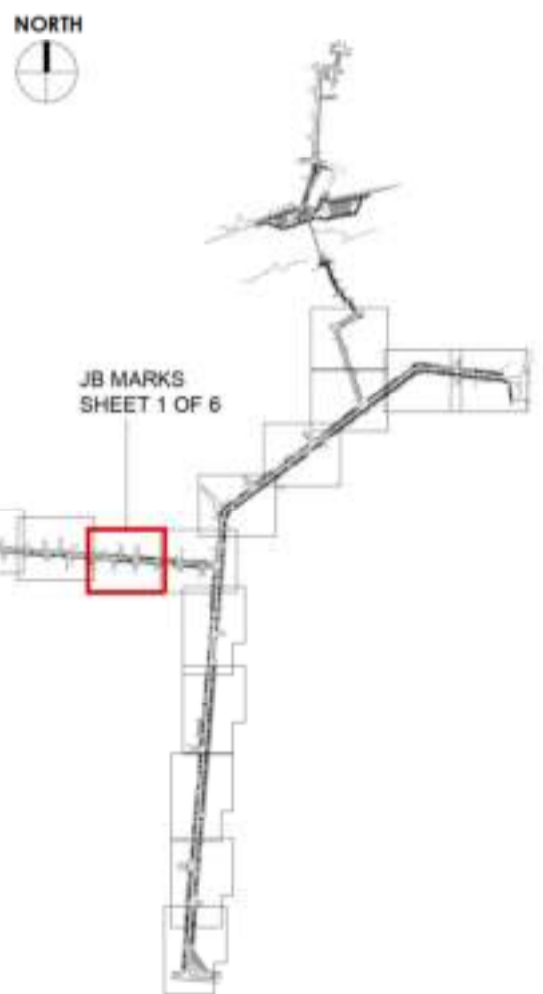
TYPICAL KERB SPECIFICATIONS ALONG ROAD BELLMOUTH

STORMWATER CHANNEL:
FIG C900 Mountable kerb
Size: 300 x 125 x 100 mm

ROAD KERB:
FIG 3 Barrier kerb
Size: 300 x 150 x 125 mm

TRANSITION KERB:
FIG 3/B Transition kerb
Size: 300 x 200 x 150 mm

KEY MAP



Issued	rev	date	by	description
0		15 Feb 2021	JN	Issue to Maibuye Construction

client
JOHANNESBURG DEVELOPMENT AGENCY
 project
DIEPSLOOT PHASE 2: PUBLIC ENVIRONMENT UPGRADE
 drawing

JB MARKS - SHEET 1 OF 6

scale	date	drawn	rev
1: 250	09/09/2020	JN	
status		checked	0
FOR SITE HANDOVER MEETING			
status		checked	JN

drawing no.
DPEU 2091.2 - C102.0

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 (221.2 x 110.8 x 60mm) Concrete interlocker paver
 Colour: CHARCOAL or similar colour to architect's approval.

VJ
 600 x 300 x 60 Precast Concrete Paving Slab
 Colour: Grey

DRIVEWAY PAVERS SPECIFICATIONS

221.2 x 110.8 x 80 mm Conc interlocker pavers
 Colour: Charcoal

DRIVEWAY EDGE RESTRAINT SPECIFICATIONS

EDGE RESTRAINT KERB:
 FIG 12: Garden kerb
 Size: 75 x 150 mm

EDGE BEAM:
 FIG 3: Barrier kerb to be laid flat
 Size: 300 x 150 x 125 mm

TYPICAL KERB SPECIFICATIONS

STORMWATER CHANNEL:
 FIG C900 Mountable kerb
 Size: 300 x 125 x 100 mm

ROAD KERB:
 FIG 8C Heavy Duty Mountable kerb
 Size: 300 x 200 x 100 mm

EDGE BEAM:
 FIG 3: Barrier kerb
 Size: 300 x 150 x 125 mm

TYPICAL KERB SPECIFICATIONS ALONG ROAD BELLMOUTH

STORMWATER CHANNEL:
 FIG C900 Mountable kerb
 Size: 300 x 125 x 100 mm

ROAD KERB:
 FIG 3 Barrier kerb
 Size: 300 x 150 x 125 mm

TRANSITION KERB:
 FIG 3/6C Transition kerb
 Size: 300 x 200 x 150 mm



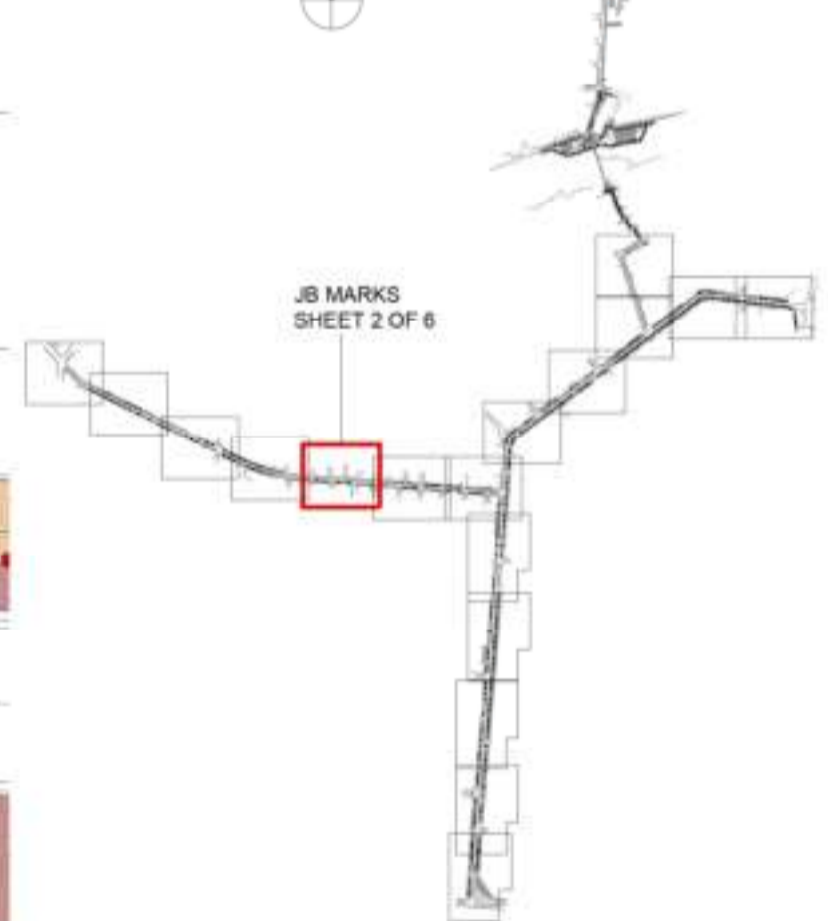
Traders Stall
 Refer to template specs and detail drawing no. 504.0, 504.1 and 504.2

Tree Planting and Planter
 Refer to template specs and detail drawing no. 503

Litter Bin
 Refer to template specs and detail drawing no. 500

Street Light
 Refer to Electrical Engineer's drawings and details

KEY MAP



Issued	rev	date	by	description
0	15 Feb 2021	JN		Issue to Maibye Construction

client
 JOHANNESBURG DEVELOPMENT AGENCY
 project
 DIEPSLOOT PHASE 2: PUBLIC ENVIRONMENT UPGRADE
 drawing

JB MARKS - SHEET 2 OF 6

scale	date	drawn	rev
1: 250	09/09/2020	JN	
status		checked	0
		JN	



drawing no.
DPEU 2091.2 - C102.1

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A1 SIZE PAPER

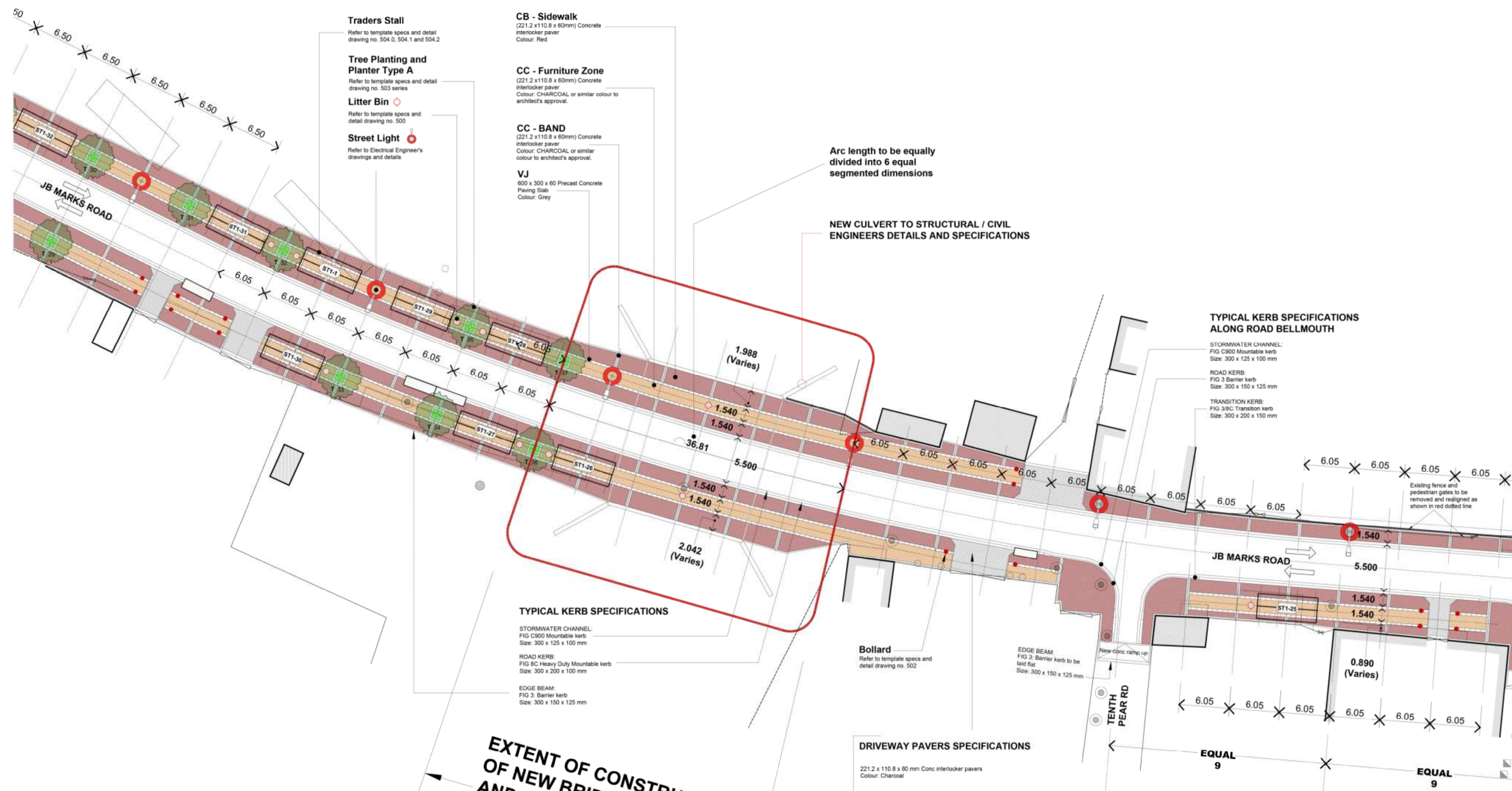
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JB MARKS BRIDGE CULVERT TYPICAL PAVERS SPECIFICATIONS

- Traders Stall**
Refer to template specs and detail drawing no. 504.0, 504.1 and 504.2
- Tree Planting and Planter Type A**
Refer to template specs and detail drawing no. 503 series
- Litter Bin** 
Refer to template specs and detail drawing no. 500
- Street Light** 
Refer to Electrical Engineer's drawings and details
- CB - Sidewalk**
(221.2 x 110.8 x 60mm) Concrete interlocker paver
Colour: Red
- CC - Furniture Zone**
(221.2 x 110.8 x 60mm) Concrete interlocker paver
Colour: CHARCOAL or similar colour to architect's approval.
- CC - BAND**
(221.2 x 110.8 x 60mm) Concrete interlocker paver
Colour: CHARCOAL or similar colour to architect's approval.
- VJ**
600 x 300 x 60 Precast Concrete Paving Slab
Colour: Grey

Arc length to be equally divided into 6 equal segmented dimensions

NEW CULVERT TO STRUCTURAL / CIVIL ENGINEERS DETAILS AND SPECIFICATIONS



TYPICAL KERB SPECIFICATIONS ALONG ROAD BELLMOUTH

- STORMWATER CHANNEL:**
FIG C900 Mountable kerb
Size: 300 x 125 x 100 mm
- ROAD KERB:**
FIG 3 Barrier kerb
Size: 300 x 150 x 125 mm
- TRANSITION KERB:**
FIG 3/B/C Transition kerb
Size: 300 x 200 x 150 mm

TYPICAL KERB SPECIFICATIONS

- STORMWATER CHANNEL:**
FIG C900 Mountable kerb
Size: 300 x 125 x 100 mm
- ROAD KERB:**
FIG 8C Heavy Duty Mountable kerb
Size: 300 x 200 x 100 mm
- EDGE BEAM:**
FIG 3: Barrier kerb
Size: 300 x 150 x 125 mm

DRIVEWAY PAVERS SPECIFICATIONS

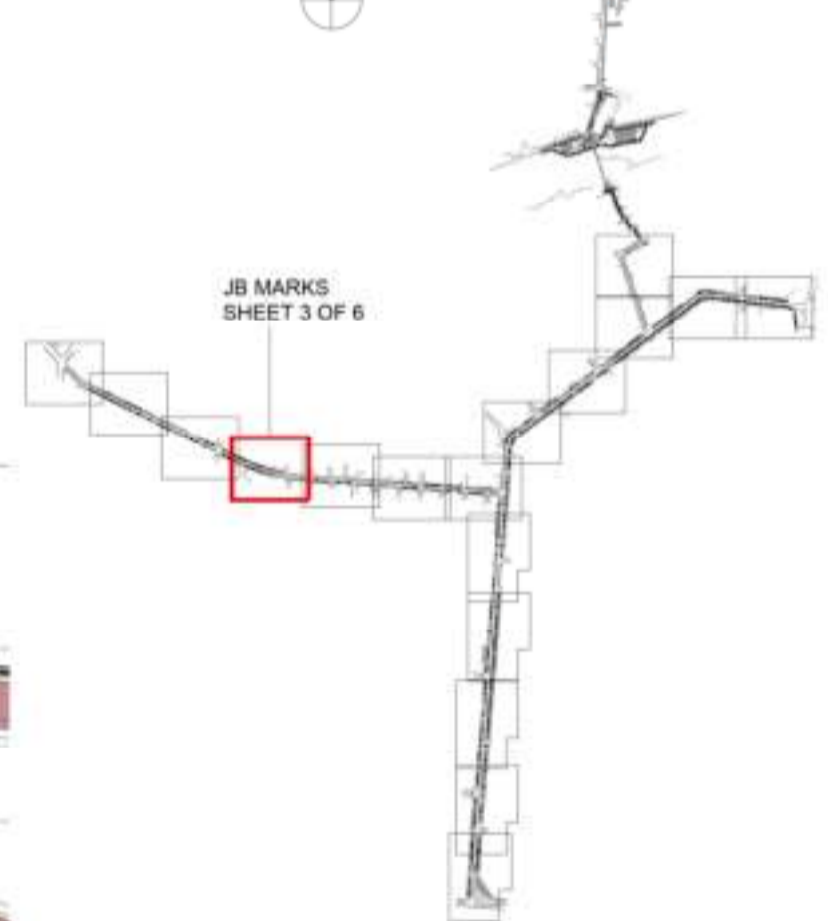
221.2 x 110.8 x 60 mm Conc interlocker pavers
Colour: Charcoal

DRIVEWAY EDGE RESTRAINT SPECIFICATIONS

- EDGE RESTRAINT KERB:**
FIG 12: Garden kerb
Size: 75 x 150 mm
- EDGE BEAM:**
FIG 3: Barrier kerb to be laid flat
Size: 300 x 150 x 125 mm

EXTENT OF CONSTRUCTION OF NEW BRIDGE CULVERT AND TO BE IMPLEMENTED AFTER APPROVAL FROM RELEVANT LOCAL AND PROVINCIAL AUTHORITIES

KEY MAP



Issued	rev	date	by	description
0	15 Feb 2021	JN		Issue to Maibuye Construction

client
JDA
JOHANNESBURG DEVELOPMENT AGENCY
project
DIEPSLOOT PHASE 2: PUBLIC ENVIRONMENT UPGRADE
drawing

JB MARKS - SHEET 3 OF 6

scale	date	drawn	rev
1: 250	09/09/2020	JN	0
status		checked	
FOR SITE HANDOVER MEETING		JN	
drawing no.			

DPEU 2091.2 - C102.2

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JB MARKS WEST TYPICAL PAVERS SPECIFICATIONS

- CB - Sidewalk**
 (221.2 x 110.8 x 60mm) Concrete interlocker paver
 Colour: Red
- CC - Furniture Zone**
 (221.2 x 110.8 x 60mm) Concrete interlocker paver
 Colour: CHARCOAL or similar colour to architect's approval.
- CC - BAND**
 (221.2 x 110.8 x 60mm) Concrete interlocker paver
 Colour: CHARCOAL or similar colour to architect's approval.
- VJ**
 600 x 300 x 60 Precast Concrete Paving Slab
 Colour: Grey

TYPICAL KERB SPECIFICATIONS

- STORMWATER CHANNEL:**
 FIG C900 Mountable kerb
 Size: 300 x 125 x 100 mm
- ROAD KERB:**
 FIG 8C Heavy Duty Mountable kerb
 Size: 300 x 200 x 100 mm
- EDGE BEAM:**
 FIG 3: Barrier kerb
 Size: 300 x 150 x 125 mm

Litter Bin
 Refer to template specs and detail drawing no. 500

Tree Planting and Planter Type A
 Refer to template specs and detail drawing no. 503 series

DRIVEWAY PAVERS SPECIFICATIONS

221.2 x 110.8 x 80 mm Conc interlocker pavers
 Colour: Charcoal

DRIVEWAY EDGE RESTRAINT SPECIFICATIONS

EDGE RESTRAINT KERB:
 FIG 12: Garden kerb
 Size: 75 x 150 mm

EDGE BEAM:
 FIG 3: Barrier kerb to be laid flat
 Size: 300 x 150 x 125 mm

TYPICAL KERB SPECIFICATIONS ALONG ROAD BELLMOUTH

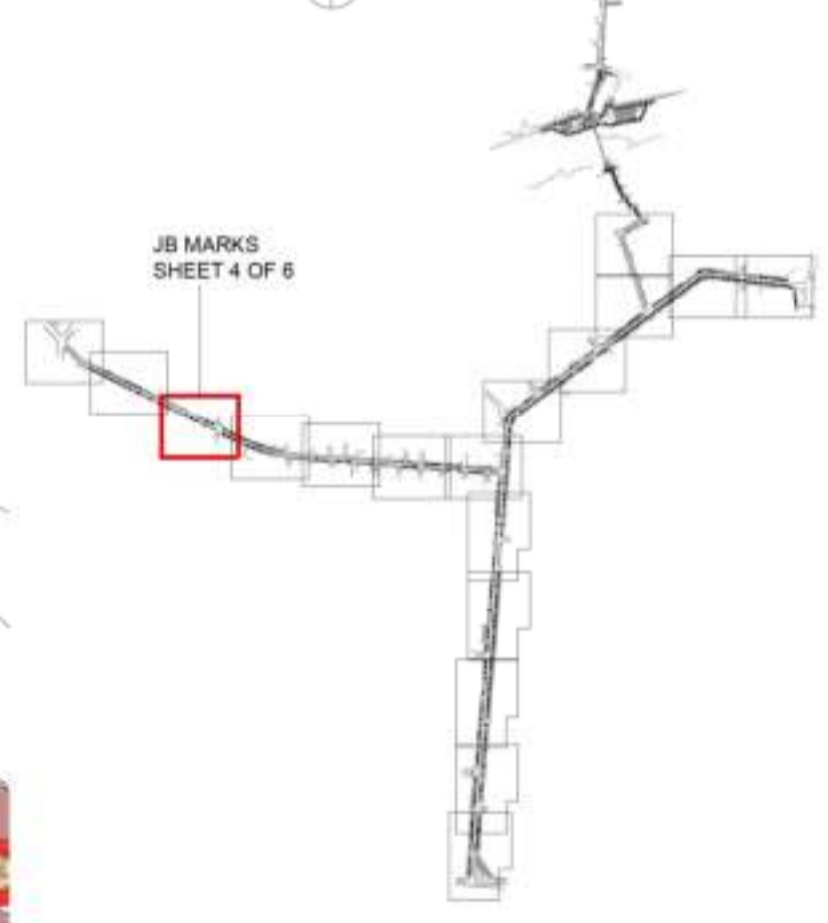
STORMWATER CHANNEL:
 FIG C900 Mountable kerb
 Size: 300 x 125 x 100 mm

ROAD KERB:
 FIG 3: Barrier kerb
 Size: 300 x 150 x 125 mm

TRANSITION KERB:
 FIG 3/8C Transition kerb
 Size: 300 x 200 x 150 mm



KEY MAP



Issued	rev	date	by	description
	0	15 Feb 2021	JN	Issue to MaBuye Construction

client
JOHANNESBURG DEVELOPMENT AGENCY
 project
DIEPSLOOT PHASE 2: PUBLIC ENVIRONMENT UPGRADE
 drawing

JB MARKS - SHEET 4 OF 6

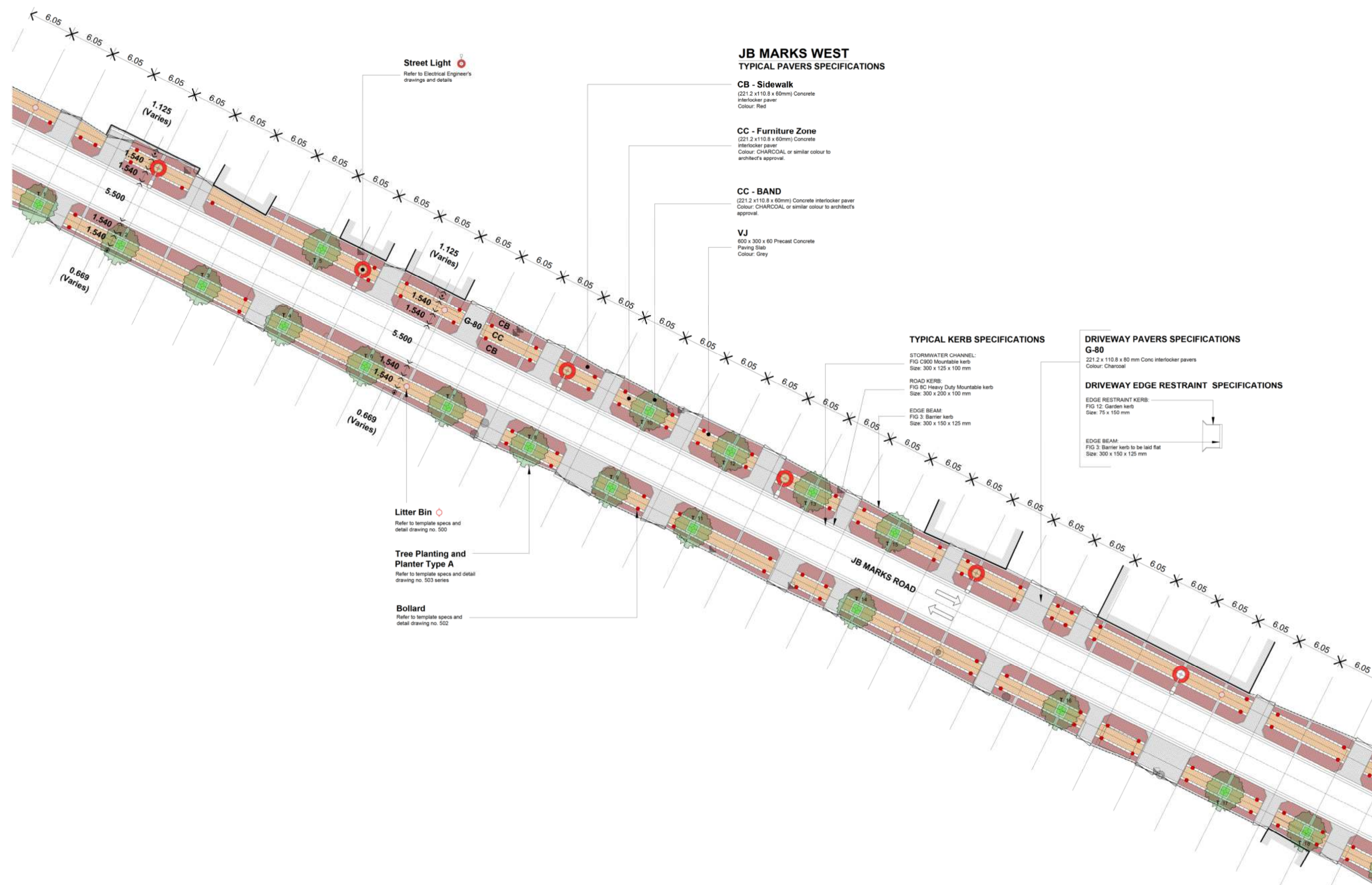
scale	date	drawn	rev
1: 250	09/09/2020	JN	0
status	checked	JN	
FOR SITE HANDOVER MEETING			
drawing no.			

DPEU 2091.2 - C102.3

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**JB MARKS WEST
 TYPICAL PAVERS SPECIFICATIONS**

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 (221.2 x 110.8 x 60mm) Concrete interlocker paver
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VJ
 600 x 300 x 60 Precast Concrete Paving Slab
 Colour: Grey

TYPICAL KERB SPECIFICATIONS

STORMWATER CHANNEL:
 FIG C900 Mountable kerb
 Size: 300 x 125 x 100 mm

ROAD KERB:
 FIG 9C Heavy Duty Mountable kerb
 Size: 300 x 200 x 100 mm

EDGE BEAM:
 FIG 3: Barrier kerb
 Size: 300 x 150 x 125 mm

DRIVEWAY PAVERS SPECIFICATIONS

G-80
 221.2 x 110.8 x 80 mm Conc Interlocker pavers
 Colour: Charcoal

DRIVEWAY EDGE RESTRAINT SPECIFICATIONS

EDGE RESTRAINT KERB:
 FIG 12: Garden kerb
 Size: 75 x 150 mm

EDGE BEAM:
 FIG 3: Barrier kerb to be laid flat
 Size: 300 x 150 x 125 mm

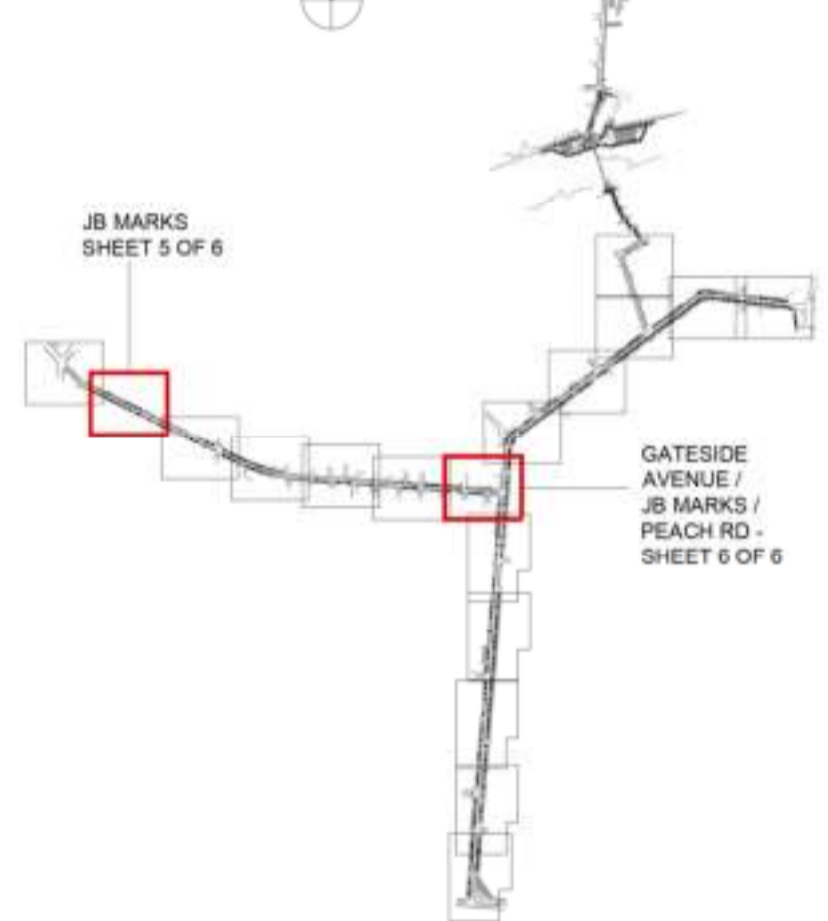
Street Light
 Refer to Electrical Engineer's drawings and details

Litter Bin
 Refer to template specs and detail drawing no. 500

Tree Planting and Planter Type A
 Refer to template specs and detail drawing no. 503 series

Bollard
 Refer to template specs and detail drawing no. 502

KEY MAP



Issued	rev	date	by	description
0	15 Feb 2021	JN		Issue to Maibuye Construction

client
JOHANNESBURG DEVELOPMENT AGENCY
 project
DIEPSLOOT PHASE 2: PUBLIC ENVIRONMENT UPGRADE
 drawing

JB MARKS - SHEET 5 OF 6

scale	date	drawn	rev
1: 250	09/09/2020	JN	0
status	checked	JN	
FOR SITE HANDOVER MEETING			
drawing no.			

DPEU 2091.2 - C102.4

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A1 SIZE PAPER

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PAVERS SPECIFICATIONS TO MATCH EXISTING PAVERS
G-60
 200 x 100 x 60 mm Conc interlocker pavers
 Colour: Grey

JB MARKS WEST
TYPICAL PAVERS SPECIFICATIONS

- CB - Sidewalk**
 (221.2 x 110.8 x 60mm) Concrete interlocker paver
 Colour: Red
- CC - BAND**
 (221.2 x 110.8 x 60mm) Concrete interlocker paver
 Colour: CHARCOAL or similar colour to architect's approval.

TYPICAL KERB SPECIFICATIONS

- STORMWATER CHANNEL:**
 FIG C900 Mountable kerb
 Size: 300 x 125 x 100 mm
- ROAD KERB:**
 FIG 8C Heavy Duty Mountable kerb
 Size: 300 x 200 x 100 mm
- EDGE BEAM:**
 FIG 3: Barrier kerb
 Size: 300 x 150 x 125 mm

DRIVEWAY PAVERS SPECIFICATIONS
G-80
 221.2 x 110.8 x 80 mm Conc interlocker pavers
 Colour: Charcoal

DRIVEWAY EDGE RESTRAINT SPECIFICATIONS

- EDGE RESTRAINT KERB:**
 FIG 12: Garden kerb
 Size: 75 x 150 mm
- EDGE BEAM:**
 FIG 3: Barrier kerb to be laid flat
 Size: 300 x 150 x 125 mm

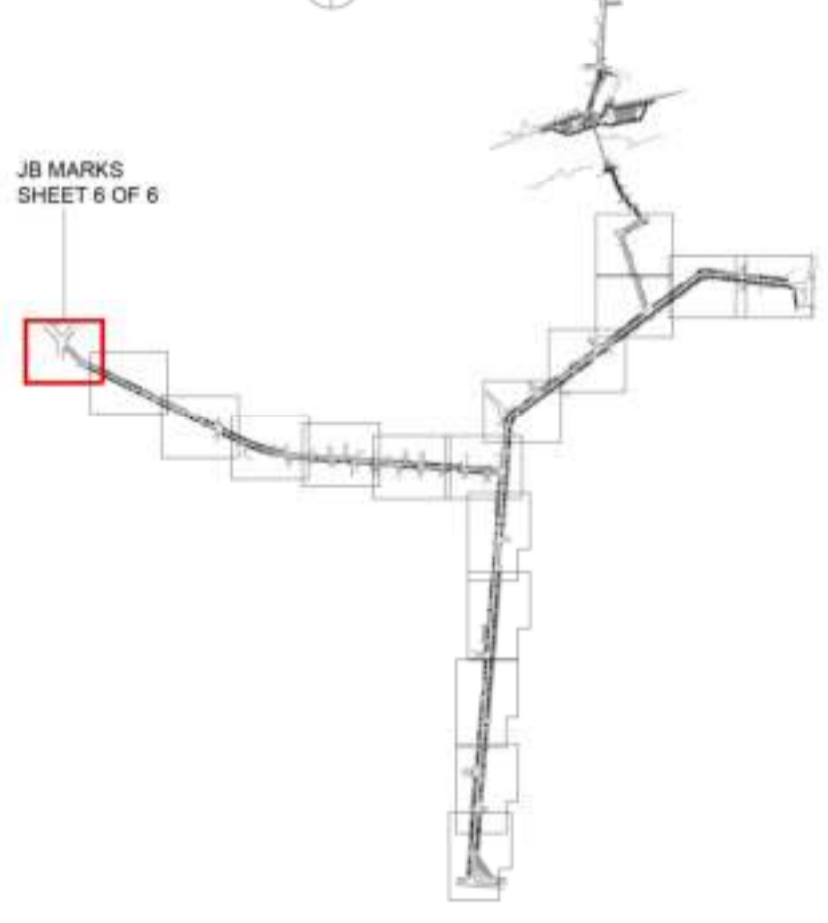
JB MARKS WEST
TYPICAL PAVERS SPECIFICATIONS

- CB - Sidewalk**
 (221.2 x 110.8 x 60mm) Concrete interlocker paver
 Colour: Red
- CC - Furniture Zone**
 (221.2 x 110.8 x 60mm) Concrete interlocker paver
 Colour: CHARCOAL or similar colour to architect's approval.
- CC - BAND**
 (221.2 x 110.8 x 60mm) Concrete interlocker paver
 Colour: CHARCOAL or similar colour to architect's approval.

Arc length to be equally divided into 4 equal segmented dimensions

VJ
 600 x 300 x 60 Precast Concrete Paving Slab
 Colour: Grey

KEY MAP



Issued	rev	date	by	description
0		15 Feb 2021	JN	Issue to Maibuye Construction

client
JOHANNESBURG DEVELOPMENT AGENCY
 project
DIEPSLOOT PHASE 2: PUBLIC ENVIRONMENT UPGRADE
 drawing

JB MARKS - SHEET 6 OF 6

scale	date	drawn	rev
1: 250	09/09/2020	JN	
status	checked	JN	0
FOR SITE HANDOVER MEETING			
drawing no.			

A1 SIZE PAPER

URBAN FURNITURE

All street furniture, landscaping trees and lights are not shown on this drawing and refer to general layout.

DRIVEWAY G-80

GREY or similar colour to architect's approval concrete interlocking paving blocks, size: 110,8 x 221,2mm x 80 mm. (90 deg Herringbone pattern)

EDGE BEAM:

FIG 3: Barrier kerb to be laid flat
Size: 300 x 150 x 125 mm

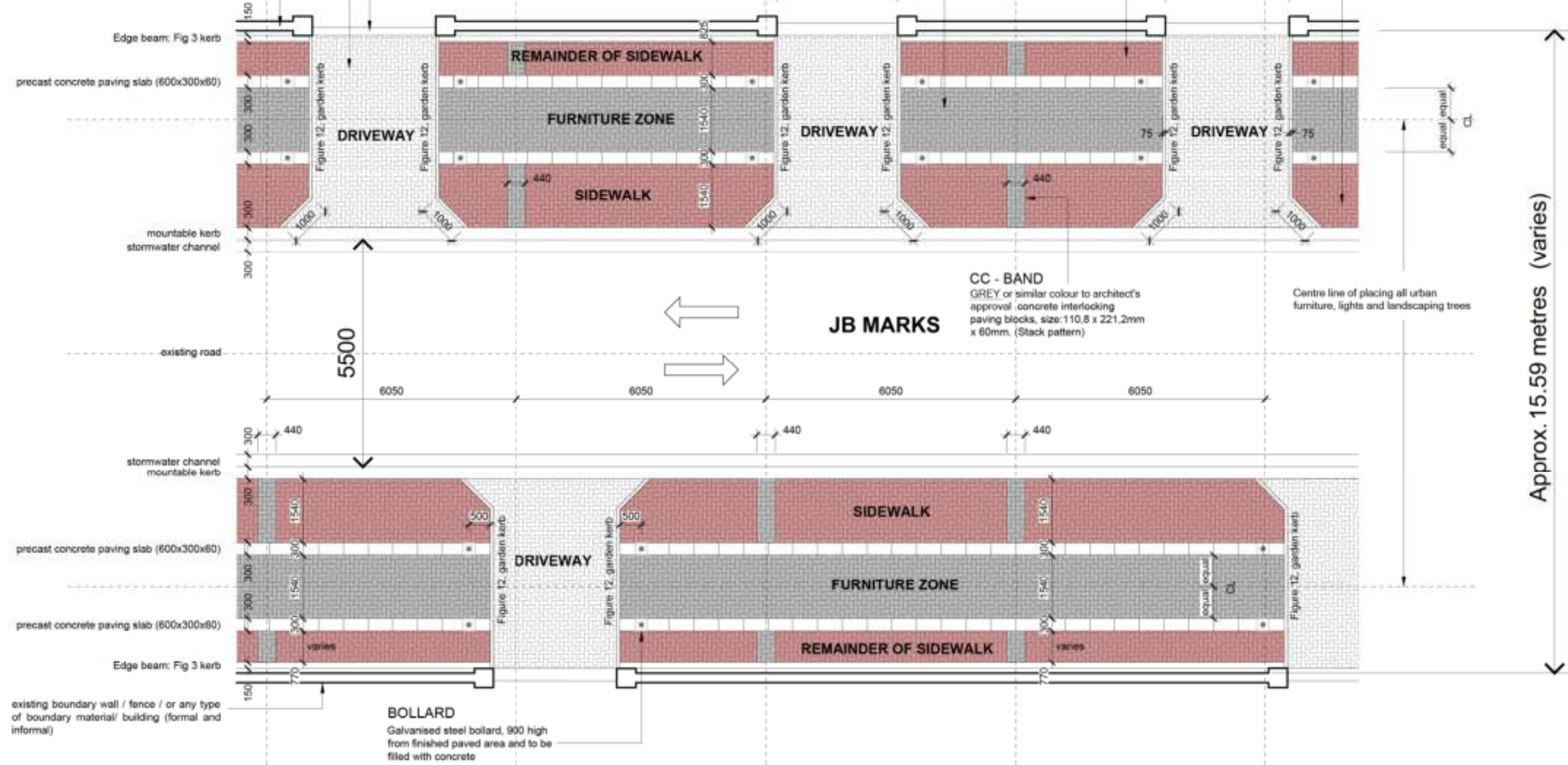
CC - FURNITURE ZONE

GREY or similar colour to architect's approval concrete interlocking paving blocks, size: 110,8 x 221,2mm x 60mm. (90 deg Herringbone pattern)

CB - SIDEWALK

RED concrete interlocking paving blocks, size: 110,8 x 221,2mm x 60mm. (90 deg Herringbone pattern)

existing boundary wall / fence / or any type of boundary material/ building (formal and informal)



Approx. 15.59 metres (varies)

JB MARKS Typical Paving Layout scale 1:100

General Notes:
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 5) Final Positions of kerb inlets and pedestrian ramps to be verified on site.
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No.	DATE	By	DESCRIPTION
D	15 Feb 2021	JN	Issue to Maibuye Construction
A	14 Aug 2020	JN	Issue to prof. team consultants

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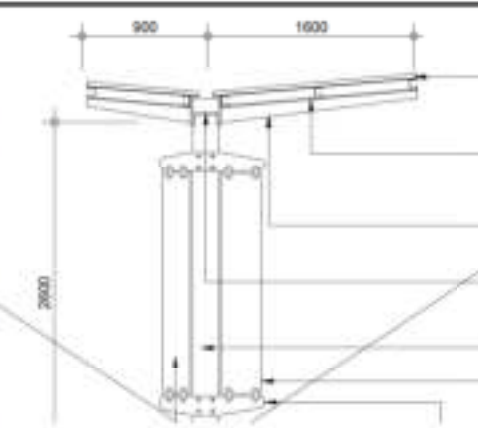
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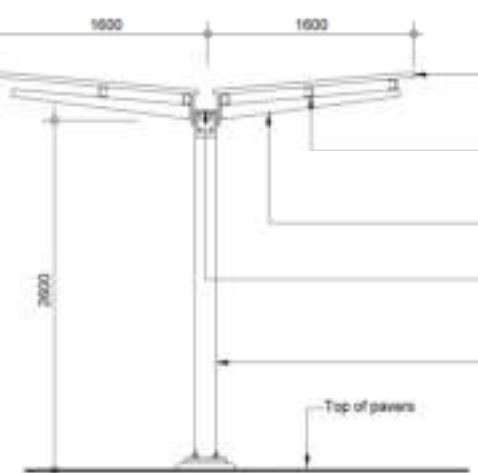
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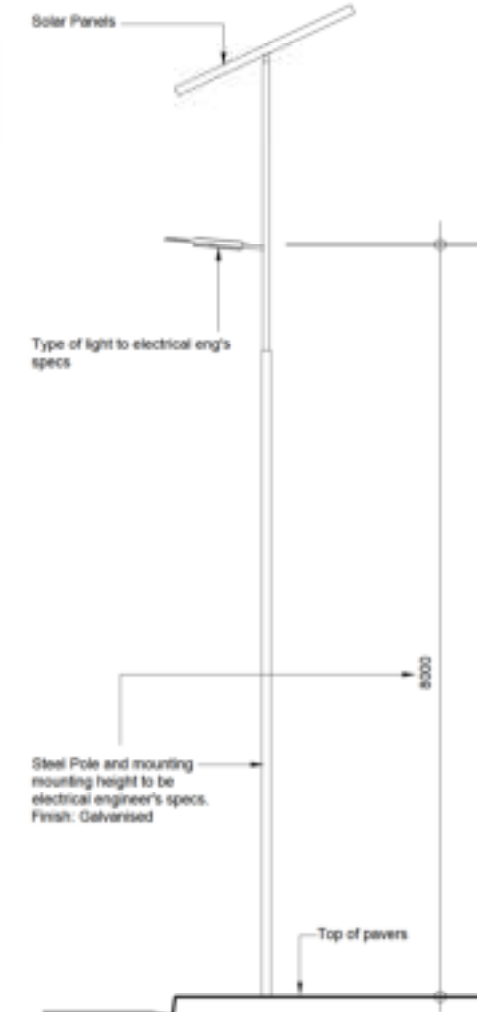
Johannesburg Development Agency

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PROJECT		DRAWING TITLE	
DIEPSLOOT PHASE 2: PUBLIC Environment Upgrade		JB MARKS Typical Paving Layout	
DATE 2020.08.14	AUTHOR JN	DESIGNED BY A.L.	CHECKED BY A.L.
JOB NO DPEU 2091.2	DRAWING NO. C 200.0	REVISION NUMBER. 0	

BUS SHELTER STEEL ROOF STRUCTURE	2a	ITEM	DRAWING	GENERIC SPECIFICATIONS
	<p>All steel works to be painted and colour: RAL 7011 (IRON GREY)</p>  <p>REPRESENTATIONAL PICTURE ONLY</p>	 <p>SUPERSEDED</p> <p>Small side panel: 1670 x 200 Steel sheet fixed with flat steel patch fittings. Thickness to be a min of 16 mm.</p> <p>8 mm thick shaped m/steel seat side supports, bolted to steel columns to Engineer's specs and details</p>	<p>ROOF SHEETING: IBR chromadek roof sheeting @ 5° ROOF SLOPE. Colour finish: Dark Dolphin and Pebble Grey to underside.</p> <p>75 x 50 x 20 C channel purlin and spacing</p> <p>IPE 200 rafter cut to shape</p> <p>203 x 203 m/steel H- column to be used as roof support / gutter.</p> <p>152 x 152 M/steel H-column welded to base plate and bolted to r.c footing</p> <p>Bigger side panel: 330 x 1670 x 15 mm thk min clear perspex fixed with flat steel patch fittings.</p> <ul style="list-style-type: none"> ALL SPECIFICATIONS TO BE CONFIRMED BY STRUCTURAL ENGINEER 	

TRADERS STEEL ROOF STRUCTURE	2a	ITEM	DRAWING	GENERIC SPECIFICATIONS
	<p>All steel works to be painted and colour: RAL 7011 (IRON GREY)</p>  <p>REPRESENTATIONAL PICTURE ONLY</p>	 <p>ROOF SHEETING: IBR chromadek roof sheeting @ 5° ROOF SLOPE. Colour finish: Dark Dolphin and Pebble Grey to underside.</p> <p>75 x 50 x 20 C channel purlin and spacing</p> <p>IPE 200 rafter cut to shape</p> <p>203 x 203 m/steel H- column to be used as roof support / gutter.</p> <p>152 x 152 M/steel H-column welded to base plate and bolted to r.c footing</p> <ul style="list-style-type: none"> ALL SPECIFICATIONS TO BE CONFIRMED BY STRUCTURAL ENGINEER 		

2b	ITEM	DRAWING	GENERIC SPECIFICATIONS
	 <p>TYPE OF LIGHT TO BE READ IN CONJUNCTION WITH ELECTRICAL DRAWINGS</p>  <p>REPRESENTATIONAL PICTURE ONLY</p>	 <p>Post: Galvanised Steel Stepped Pole Finish: Galvanised</p> <p>Light: Finish: Pearl Light Grey (RAL 9022), textured finish</p> <ul style="list-style-type: none"> ALL OTHER SPECIFICATIONS BY ELECTRICAL ENGINEER 	

A3 size paper


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No.	DATE	By	DESCRIPTION
0	15 Feb 2021	JIN	Issue to Maibuye Construction
A	03 Dec 2020	JIN	Issue for tender

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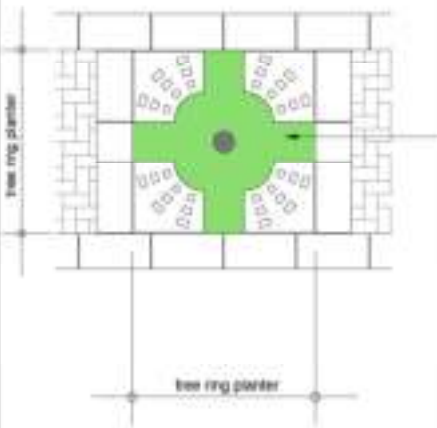
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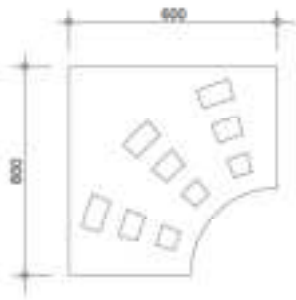


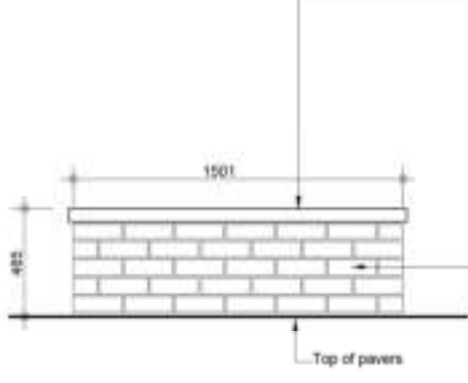
Johannesburg Development Agency



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PROJECT DIEPSLOOT PHASE 2: PUBLIC Environment Upgrade		DRAWING TITLE Street Furniture Template 2a & 2b	
DATE 2020.07.07	AUTHOR JIN	SCALE not to scale	
JOB NO DPEU 2091.2	DRAWING NO. C 300.1	REV. 0	

3a	ITEM	DRAWING	GENERIC SPECIFICATIONS
TREE	 <p>New Crate / 100L sized tree and type of tree: RIVER BUSHWILLOW (COMBRETUM ERYTHROPHYLLUM), 50 mm Ø tree stem minimum</p> <p>2 X Timber stakes to be installed as per tree planting specifications, 3 METRES HIGH X 30 MM Ø</p> <p>110mm diam. and 1150 length 'drain' pipe as per tree planting specifications</p> <p>200 micron spon sand barrier to all 4 x vertical sides of tree hole</p>	 <p>MINIMUM HEIGHT OF STAKES ABOVE GROUND LEVEL</p> <p>2000</p> <p>STAKES BELOW GROUND LEVEL</p> <p>1000</p>	<p>Type of tree: River Bushwillow (Combretum Erythrophyllum) 100 litres tree. Stem diameter 50 mm, height 2 metres minimum</p> <p>Composite backfill</p> <p>All composite backfill to be in accordance as per planting specifications and includes:</p> <ul style="list-style-type: none"> • Topsoil • Compost • Mulch • Superphosphate / Bonemeal • Fertilizer • Vermiculite
PLANTS	 <p>DIETES BICOLOR: YELLOW WILD IRIS</p>  <p>REPRESENTATIONAL PICTURE ONLY</p>	 <p>tree ring planter</p> <p>tree ring planter</p>	<p>DIETES BICOLOR: YELLOW WILD IRIS (1 II) to be planted at a rate of 8 plants per tree planter as shown in green solid hatch area</p> <p>DIETES BICOLOR: YELLOW WILD IRIS (1 II) to be planted under new street trees</p>

3b	ITEM	DRAWING	GENERIC SPECIFICATIONS
TREE RING	 <p>REPRESENTATIONAL PICTURE ONLY</p>		<ul style="list-style-type: none"> • 600 x 600 concrete piece Tree Ring Grid Ring. • No. off: 4 pieces per tree • 50 mm minimum thickness • Finish: Smooth natural grey concrete
TREE PLANTER	 <p>REPRESENTATIONAL PICTURE ONLY</p> 	 <p>1501</p> <p>485</p> <p>Top of pavers</p> <p>Precast purpose made concrete coping slab with 4mm diameter crimped galvanised wire wall to be set into slab by manufacturer. Each to be set at 232mm c/c. Number required of crimp wire per slab: 3. Edges of coping to be rounded. Compressive strength: 25MPa Size: 600 x 300 x 60 mm Colour: GREY</p> <p>Clay Face Brick above paving level Classification: Face Brick Standard (FBS) Typical comprehensive strength: 17-30 MPa Typical 24Hr Water absorption: 6-8% Type and colour: Country Classic Satin Size: 222x109x73mm.</p>	<p>A3 size paper</p>


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A	03 Dec 2020	JN	Issue for tender

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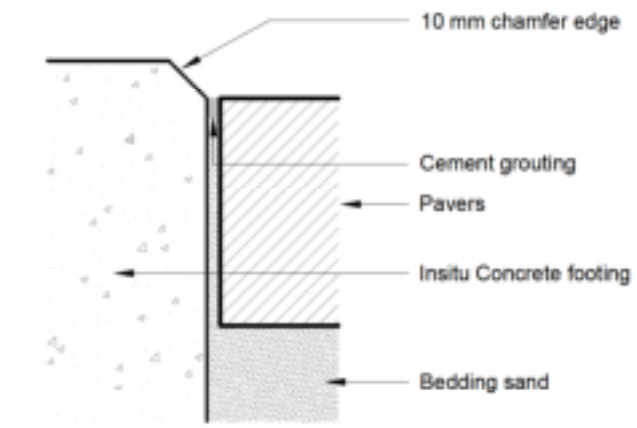
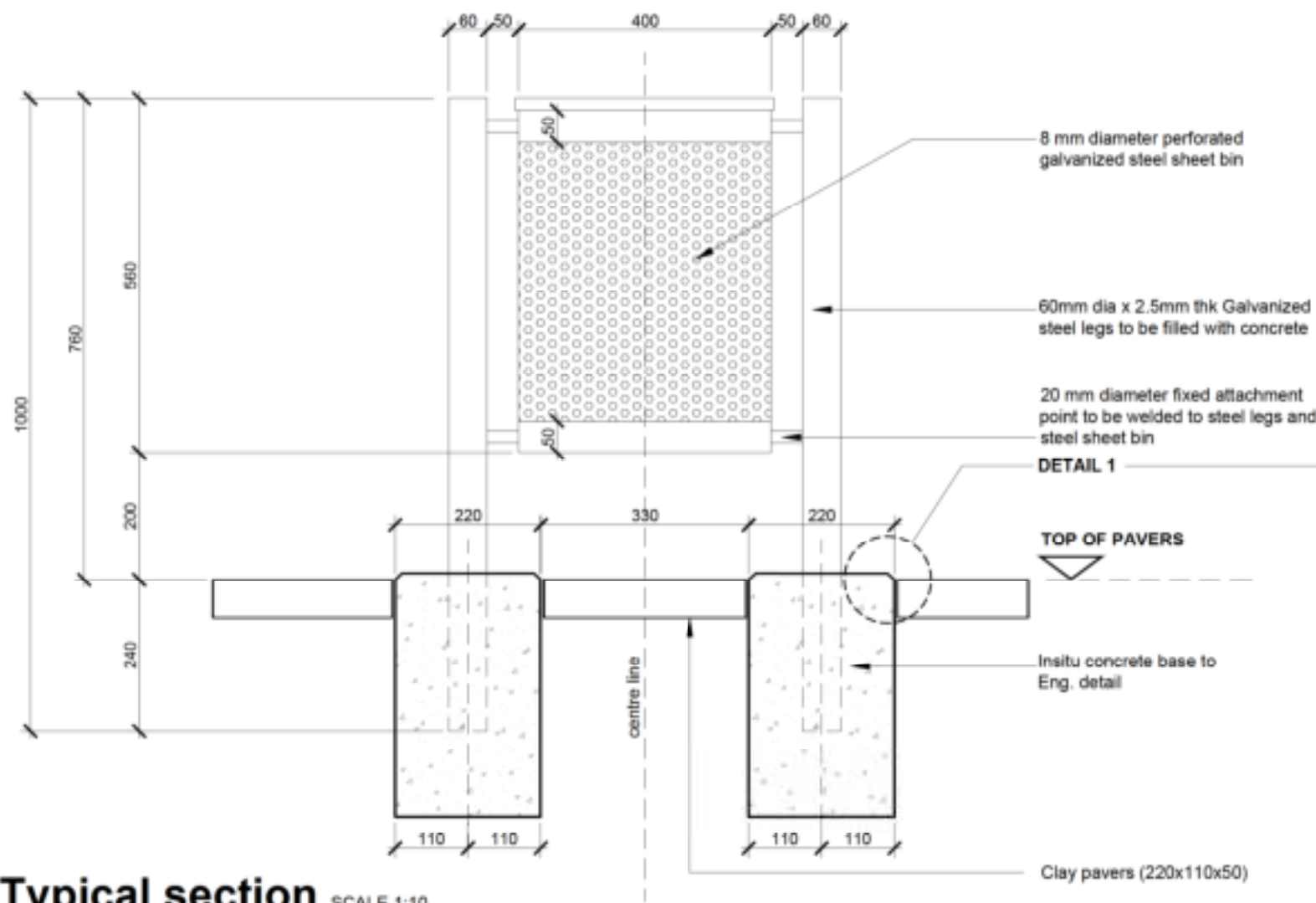
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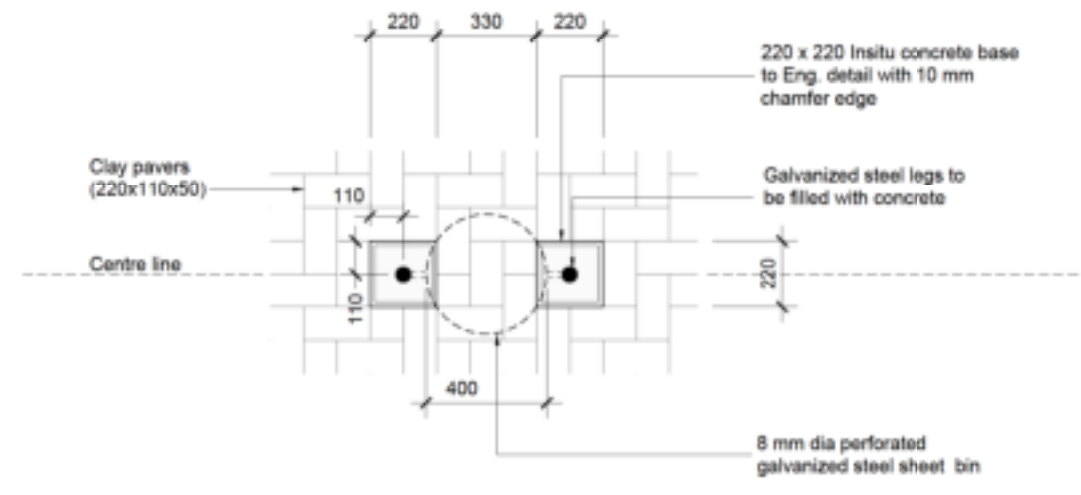
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PROJECT		DRAWING TITLE	
DIEPSLOOT PHASE 2: PUBLIC Environment Upgrade		Street Furniture Template 3a & 3b	
DATE	2020.07.07	AUTHOR	JN
JOB NO	DPEU 2091.2	DRAWING NO.	C 300.1
		SCALE	not to scale
			REV. 0



Joint edge detail 1 SCALE 1:2

Typical section SCALE 1:10
Litter bin detail



Bin concrete footing detail SCALE 1:25

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O	15 Feb 2021	JN	Issue to Maitbye Construction
A	26 Feb 2020	JN	Issue for Bill of Quantities

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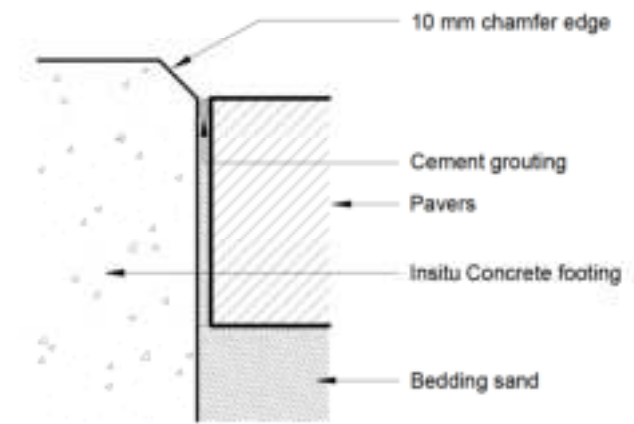
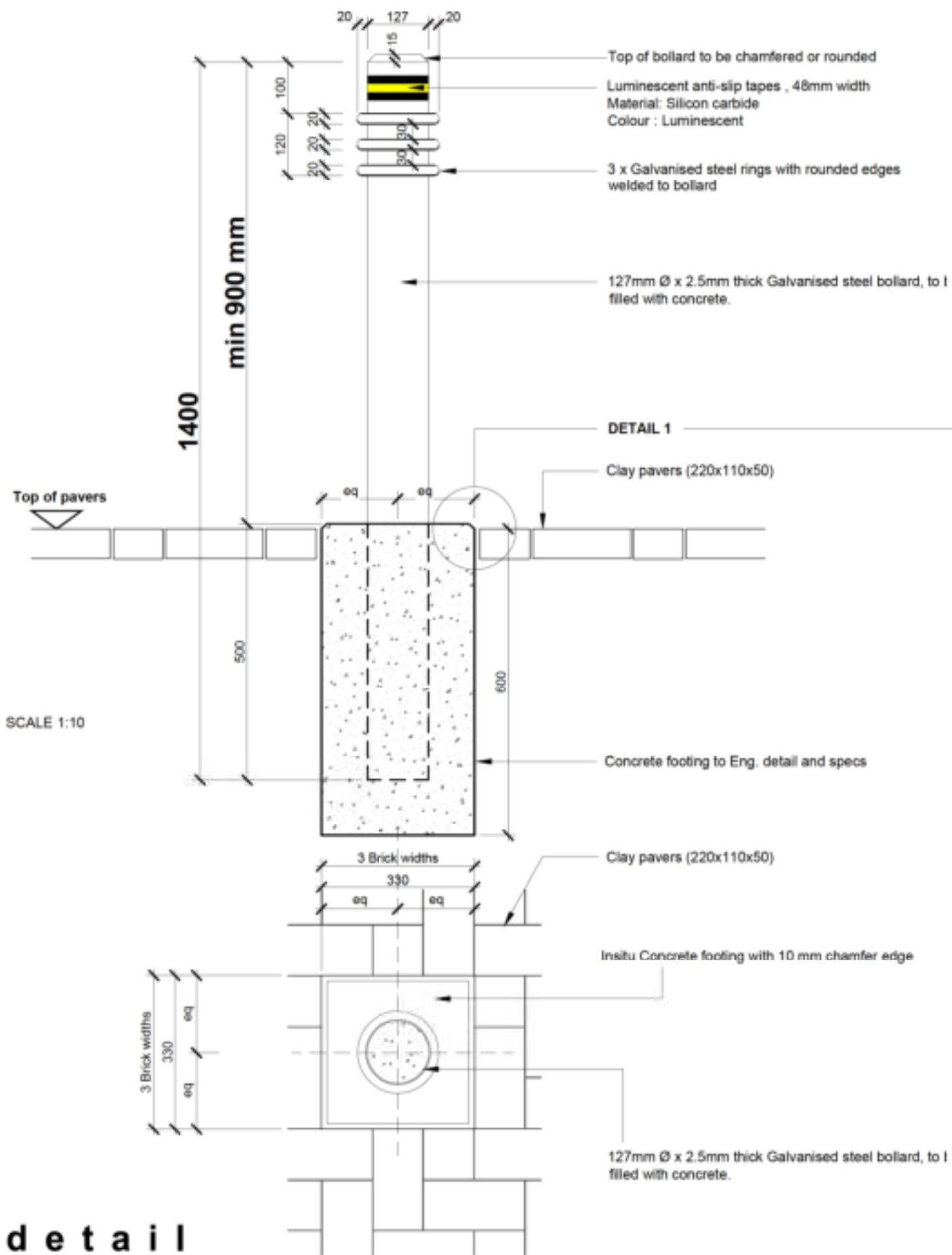
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PROJECT				DRAWING TITLE	
DIEPSLOOT PHASE 2: PUBLIC Environment Upgrade				Bin Detail	
DATE 2020.02.21	AUTHOR JN	DESIGNED BY A. L.	CHECKED BY A. L.	SCALE As shown	REVISION NUMBER
DPEU 2091.2		C 500.0		0	



Joint edge detail 1 SCALE 1:2

Typical section SCALE 1:10

Plan SCALE 1:10

B o l l a r d d e t a i l

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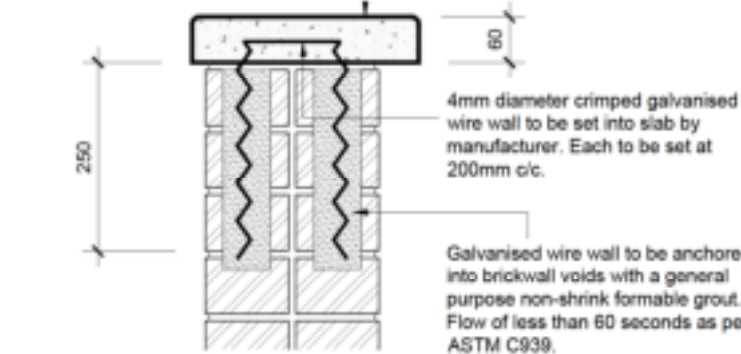
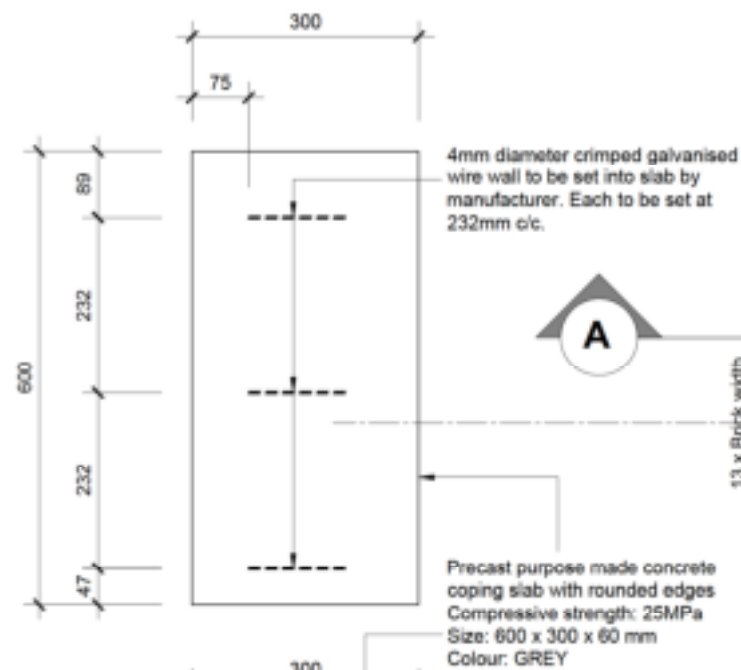
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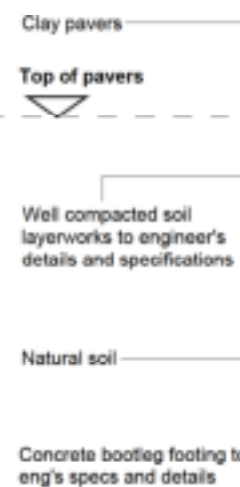
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PROJECT				DRAWING TITLE	
DIEPSLOOT PHASE 2: PUBLIC Environment Upgrade				Bollard Detail	
DATE 2020.02.21	AUTHOR JN	DESIGNED BY A. L.	CHECKED BY A. L.	SCALE As shown	REVISION NUMBER
DPEU 2091.2		C 502.0		0	

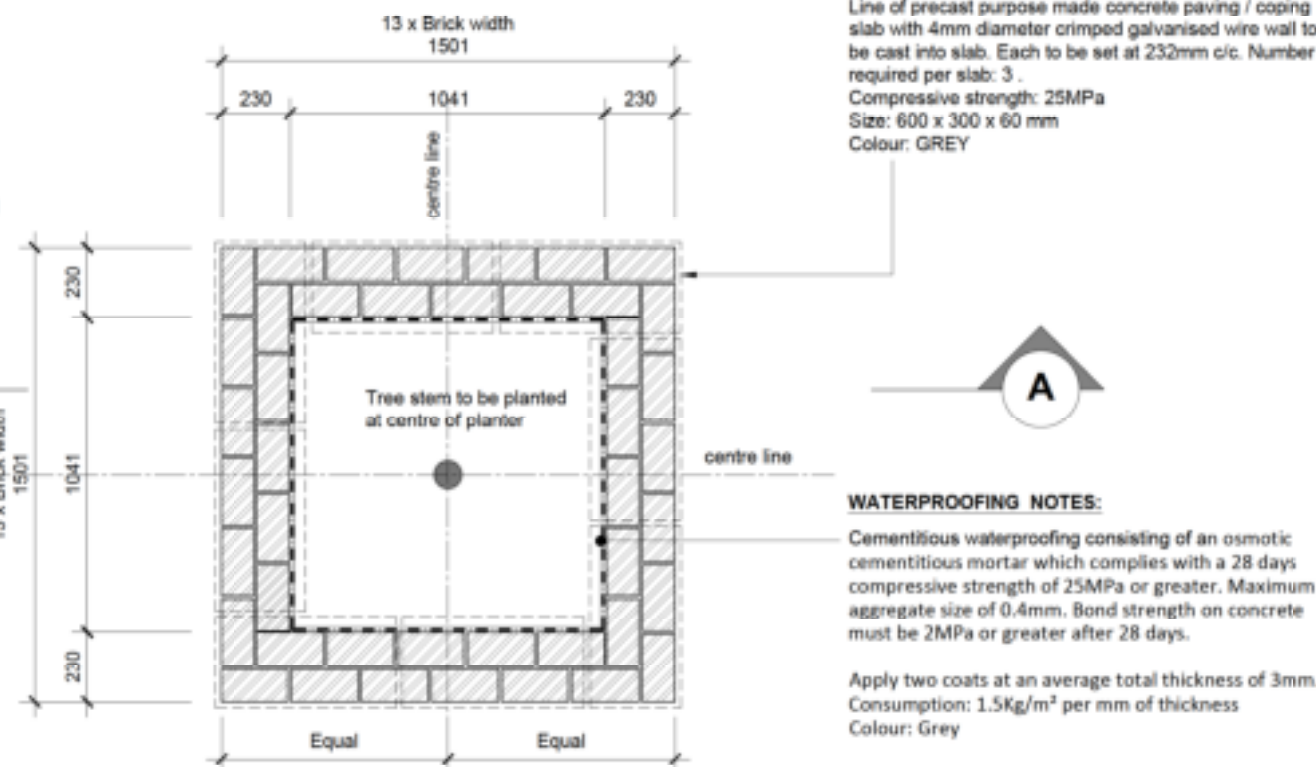
Coping detail plan SCALE 1:10



Coping detail section SCALE 1:10



Planter detail plan SCALE 1:25

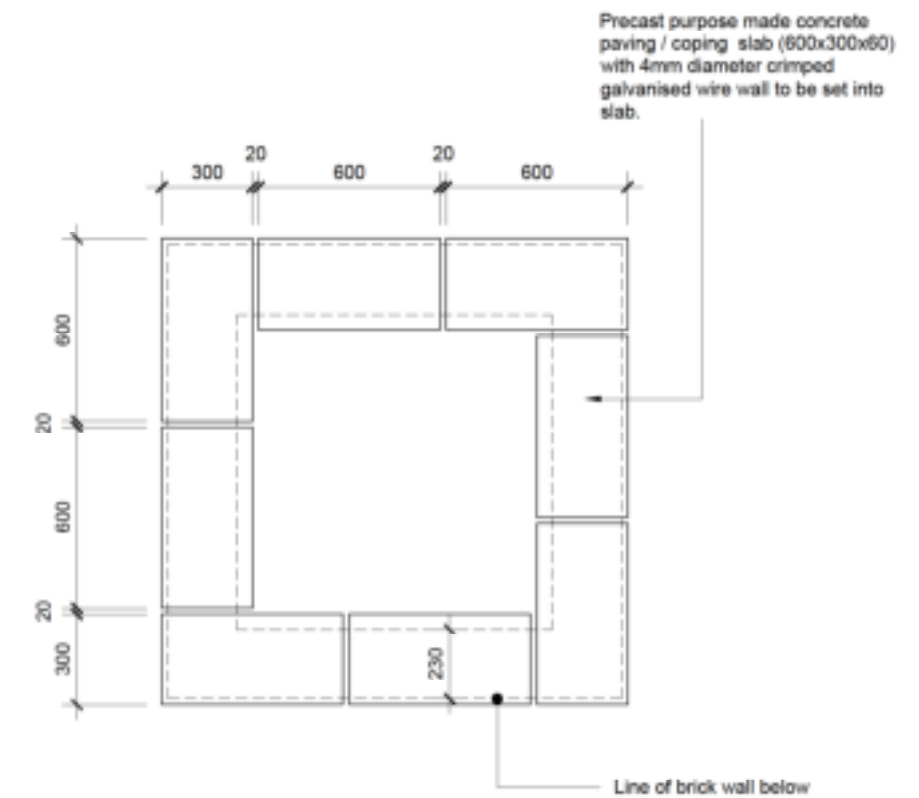
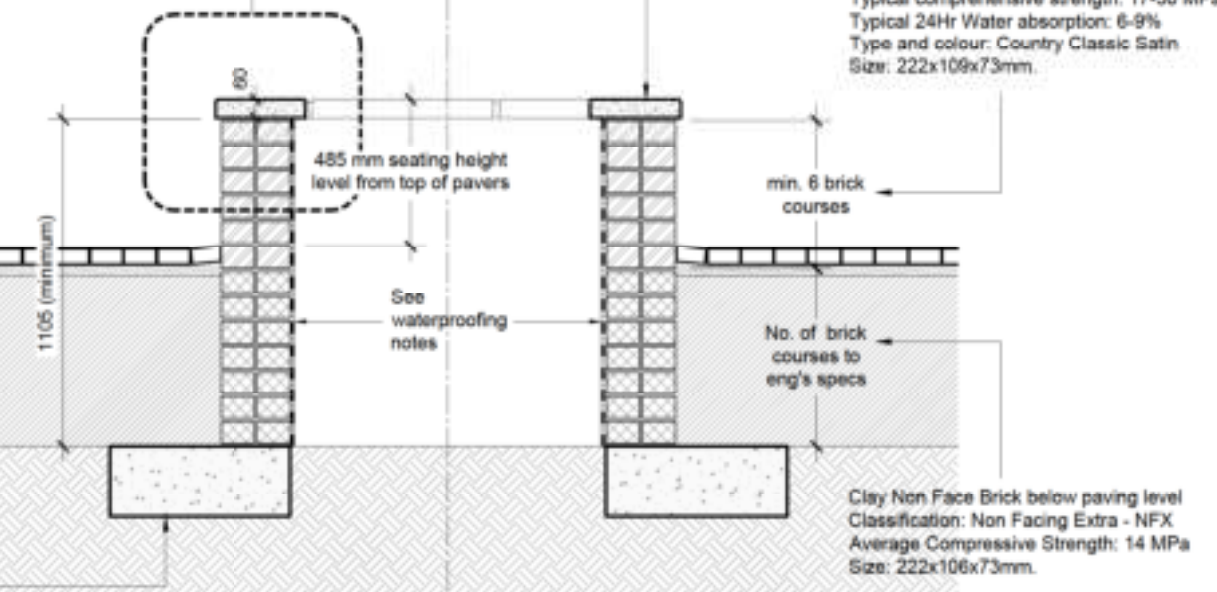


WATERPROOFING NOTES:
Cementitious waterproofing consisting of an osmotic cementitious mortar which complies with a 28 days compressive strength of 25MPa or greater. Maximum aggregate size of 0.4mm. Bond strength on concrete must be 2MPa or greater after 28 days.

Apply two coats at an average total thickness of 3mm.
Consumption: 1.5Kg/m² per mm of thickness
Colour: Grey

See coping detail

Section A-A SCALE 1:25

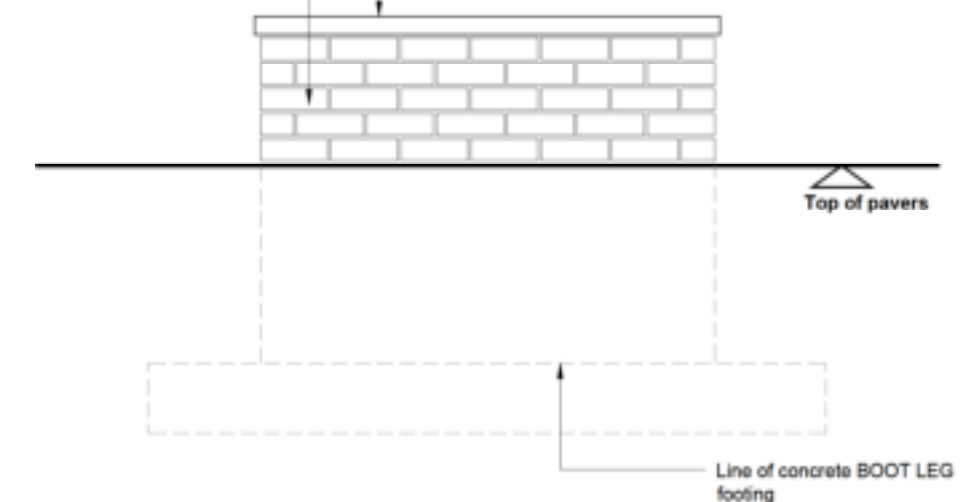


Typical top plan SCALE 1:25

BRICKFORCE NOTES:
Brickforce, 2.8mm diameter min Yield Strength = 485 mpa
Lap length = 400mm min.

Brickforce to be placed in the first five layers of brickwork on footings.

Thereafter to be placed in every 3 courses layer for all brickwalls above ground level



Typical Elevation SCALE 1:25

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PROJECT		DRAWING TITLE		
DIEPSLOOT PHASE 2: Public Environment Upgrade		Facebrick Tree planter details - Type A		
DATE	AUTHOR	DESIGNED BY	CHECKED BY	SCALE
2020.02.21	JN	A. L.	A. L.	As shown
JOB NO	DRAWING NO.	REVISION NUMBER.		
DPEU 2091.2	C 503.0	0		

1. Supply and deliver trees:

- 1.1. All plant material must be nursery grown and be in a healthy vigorous growing condition free of disease and / or pests.
- 1.2. Purchase all plants at registered SANA nurseries, transport to site and hold in site nursery until instructed to plant by the architect.
- 1.3. Plants should preferably be sourced locally, however the contractor must provide for sourcing of plant species countrywide.
- 1.4. All plants must be transported to the site in trucks with closed canopies. Plants in transit may not be exposed to wind or any other harmful elements. Plants must be acclimatised to conditions on site prior to arrival on site.
- 1.5. The contractor must before tendering, ascertain that plant species are available as specified and submit proof to this effect. All trees to be **COMBRETUM ERYTHROPHYLLUM: RIVER BUSHWILLOW** from a 100 litre bag containers.
- 1.6. All plants are to be viewed and approved by the Architect prior to purchasing and delivery to site. Samples are to be delivered to the architect.
- 1.7. The Architect retains the right to adjust specific species if plants are not available or in the opinion of the architect of poor quality.
- 1.8. Supply all equipment and labour for planting of trees, shrubs and groundcovers.
- 1.9. Plant when microclimatic conditions on site are best for planting.

2. Planting / composite backfill specifications

- 2.1. Contractor is to ensure the safety of services, underground or otherwise, prior to excavating and is to make good any damages caused.
- 2.2. Provide Hole for root ball size to accommodate for 100L Trees. Holes must be square and all sides vertical. Holes to be inspected by architect prior to planting.
- 2.3. Place trees plumb in the centre of the planting pit with a minimum of 150mm of compacted planting soil mixture mixed in under the root ball. Face the plant to give the best appearance in relationship to adjacent structures and to stand vertical. Cut away any ropes or tags which might girdle the trees and remove container prior to backfill procedure.
- 2.4. Install 110mm PVC sump pipes for planters inserted into the root zone of the trees for irrigating. Pipes to extend a minimum of 100mm above finished soil level and to reach bottom.
- 2.5. Fill and Backfill with soil, compost and fertilizer to specification below and tramp down firmly. Soil improvement:

Import and spread topsoil	Loamy soil with pH of 6.8 to 7.2, with an ideal composition of 15 - 20% clay 10% silt / sludge 65 - 75% sand Minimum ration of organic material 2% All material shall be free of harmful deposits and unwanted seeds Soil is to be spread in planting areas and lightly compacted in layers of 150mm Application rate: 0.45m ³ or 450 dm ³ per tree hole planter
Import and spread compost	Compost with pH of 4 to 7, shall be composed of properly decayed organic material All material shall be free of harmful deposits, salts, unwanted seeds and any other harmful waste Compost application rate: 0.45m ³ or 450 dm ³ per tree hole planter
Bonemeal Fertilizer	Fertilizer as per specifications below, to be mixed thoroughly into topsoil. No fertilizer to be added to soil more than two weeks before planting. Application rate: Bonemeal in tree holes - 0.8kg / tree hole
Super Phosphate	Fertilizer as per specifications below, to be mixed thoroughly into topsoil. No fertilizer to be added to soil more than two weeks before planting. Application rate: Super Phosphate in tree holes - 1.5kg / tree hole
Vermiculite	Application rate: Vermiculite to be applied at 15% / m3 of topsoil per planting hole 0.0675 m ³ or 67.5 dm ³
Import and spread mulch	Apply mulch in areas of planting. Mulch shall be composed of organic material such as wood chips, free from particles of bark residue, fungus disease etc. Mulch application rate: 50mm layer after planting 50 dm ³ per planter

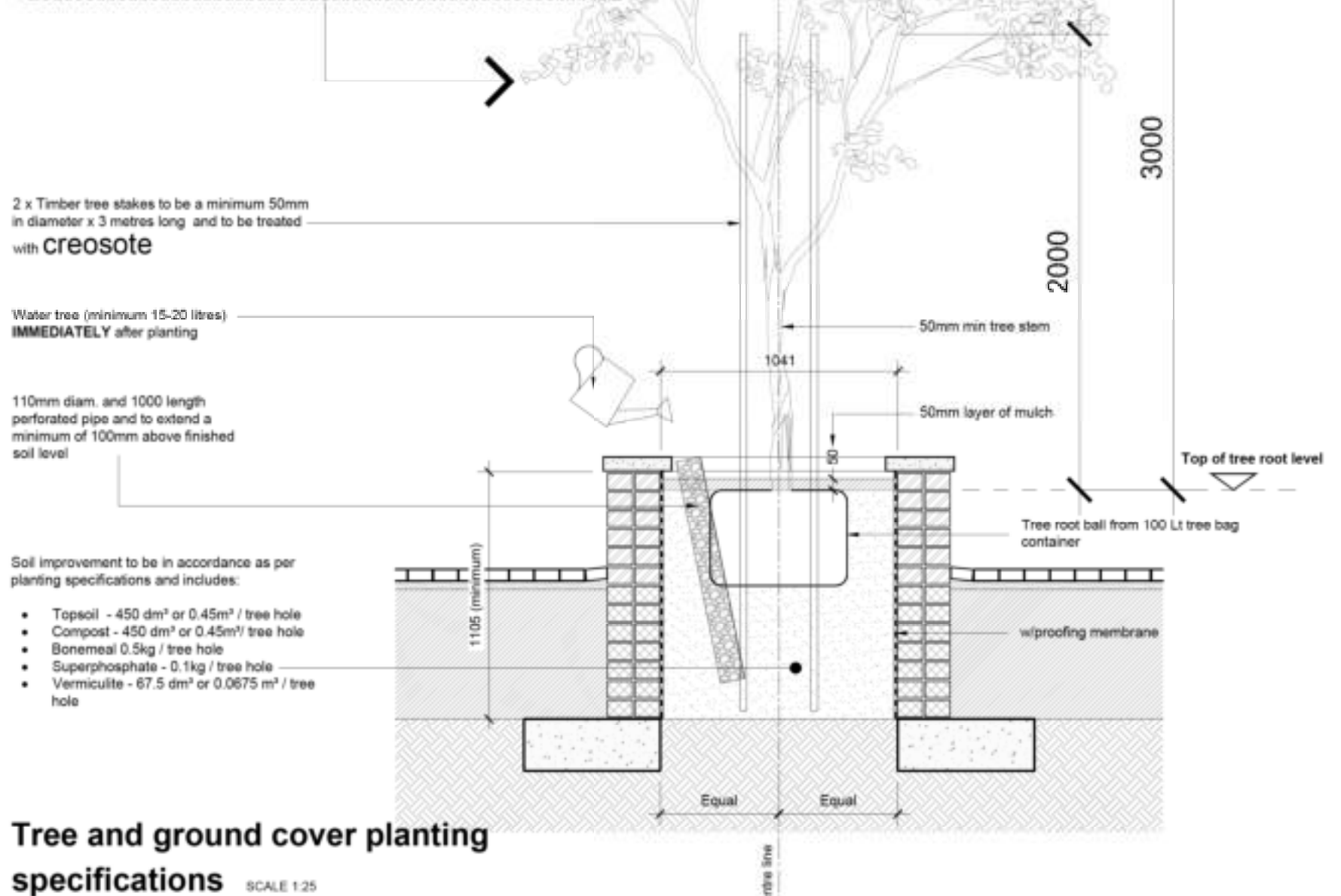
- 2.6. If the removed soil is not suitable, imported topsoil or suitable soil from stockpiles to be used.
- 2.7. Supply and erect 2 x 3m timber tree stakes (2m above the ground 1m below) per tree placed 500mm apart (250mm either side of tree trunk). Drive stakes 1000mm deep into natural soil without damaging the root ball. Secure tree at 2 places to both stakes using suitable plastic tree straps. Allow for suitable stabilizing anchors if requested by architect.
- 2.8. Remove all surplus material and apply approved and remedy.
- 2.9. Water thoroughly when hole is half full with soil mixture, and again when the operation is complete.
- 2.10. Form pond around stem.
- 2.11. Clean tree stem up as required, treat all wounds to Architect's instruction.
- 2.12. Provide all necessary stakes as described for trees and secure tree firmly.

3. Type of tree

- 3.1. COMBRETUM ERYTHROPHYLLUM: RIVER BUSHWILLOW in a 100 LT tree container
- 3.2. 100 LT bag size: 60cm diameter and 42cm height
- 3.3. Tree stem to be a minimum 50mm in diameter
- 3.4. Tree height to be a minimum 3 metres high

4. Type of ground cover

- 4.1. DIETES BICOLOR (1 litre), YELLOW WILD IRIS, No. required per planter: 8 plants



Tree and ground cover planting specifications SCALE 1:25

General Notes:

- 1) All pedestrian ramps to be installed parallel to property boundaries.
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No.	DATE	By	DESCRIPTION
D	15 Feb 2021	JN	Issue Maibuye Construction
A	26 Feb 2020	JN	Issue for Bill of Quantities

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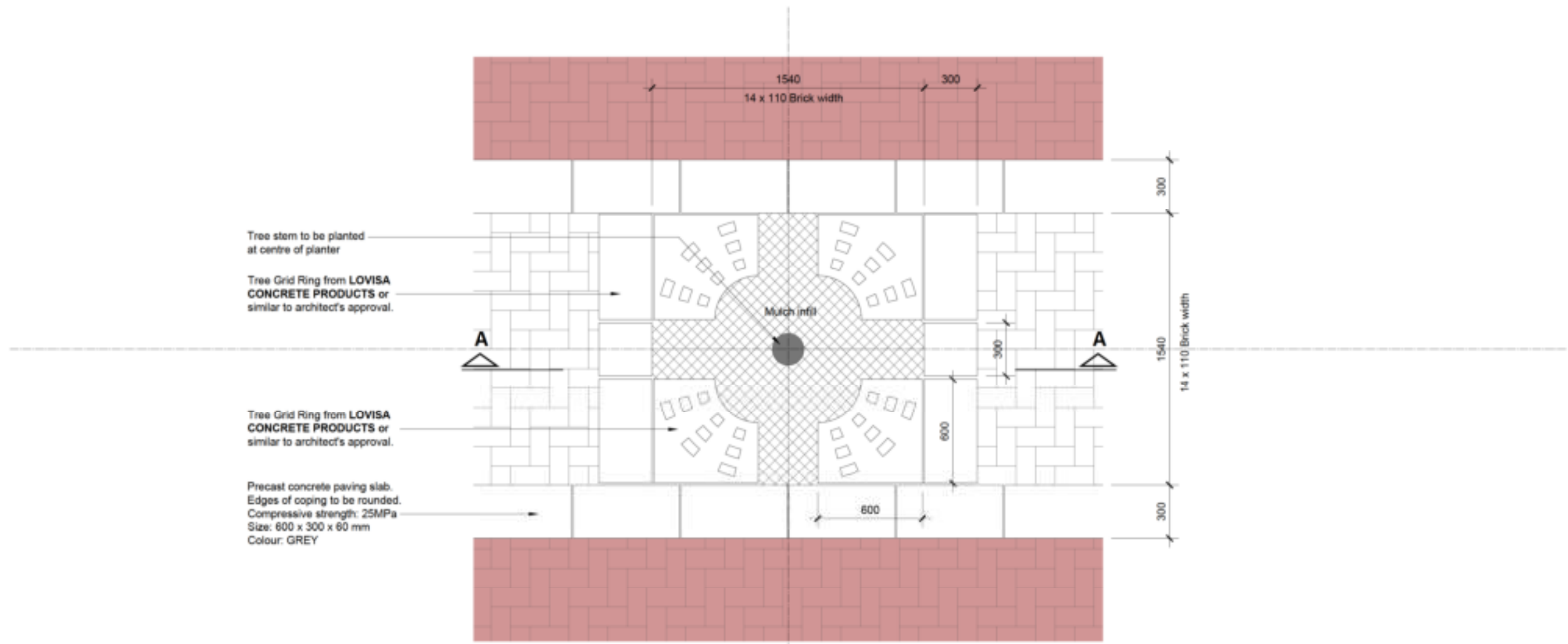
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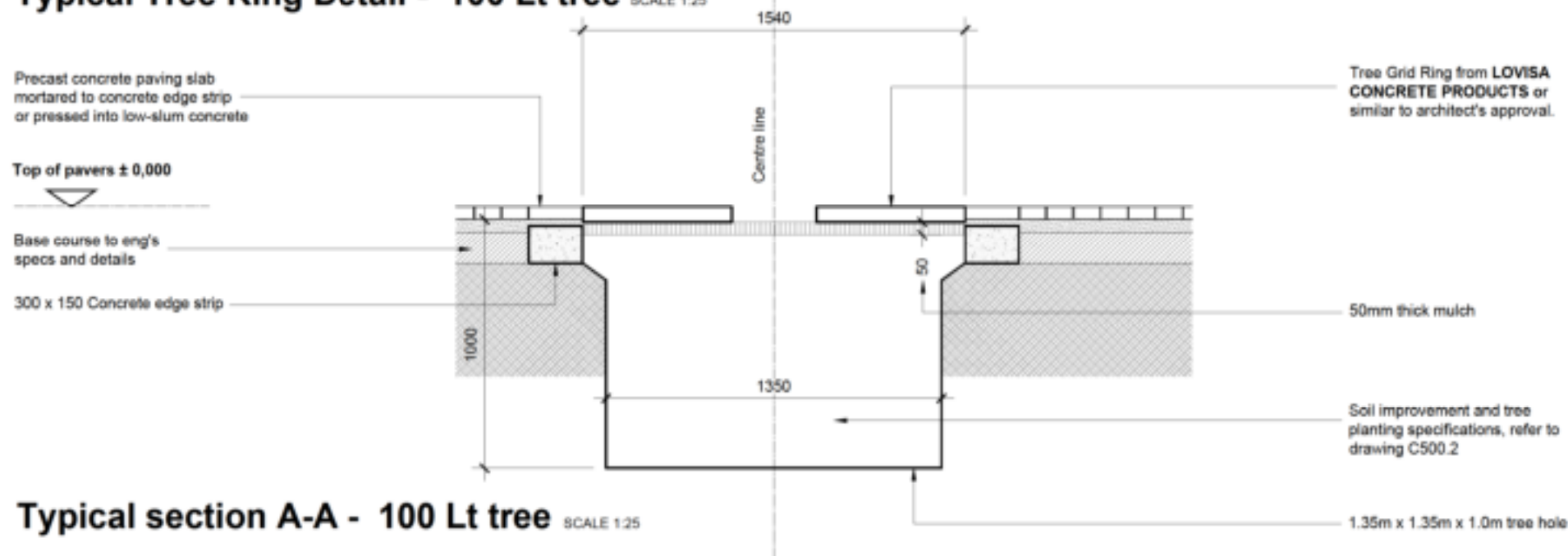
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PROJECT DIEPSLOOT PHASE 2: Public Environment Upgrade		DRAWING TITLE Tree and ground cover planting specifications - Type A	
DATE 2020.02.21	AUTHOR JN	DESIGNED BY A.L	CHECKED BY A.L
JOB NO DPEU 2091.2	DRAWING NO. C 503.1	REVISION NUMBER 0	



Typical Tree Ring Detail - 100 Lt tree SCALE 1:25




Typical section A-A - 100 Lt tree SCALE 1:25

- General Notes:**
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PROJECT		DRAWING TITLE		
DIEPSLOOT PHASE 2: Public Environment Upgrade		Tree ring detail Type B		
DATE 2020.02.21	AUTHOR JN	DESIGNED BY A. L.	CHECKED BY A. L.	SCALE As shown
JOB NO DPEU 2091.2	DRAWING NO. C 503.2		REVISION NUMBER 0	

1. Supply and deliver trees:

- 1.1. All plant material must be nursery grown and be in a healthy vigorous growing condition free of disease and / or pests.
- 1.2. Purchase all plants at registered SANA nurseries, transport to site and hold in site nursery until instructed to plant by the architect.
- 1.3. Plants should preferably be sourced locally, however the contractor must provide for sourcing of plant species countrywide.
- 1.4. All plants must be transported to the site in trucks with closed canopies. Plants in transit may not be exposed to wind or any other harmful elements. Plants must be acclimatised to conditions on site prior to arrival on site.
- 1.5. The contractor must before tendering, ascertain that plant species are available as specified and submit proof to this effect. All trees to be **COMBRETUM ERYTHROPHYLLUM: RIVER BUSHWILLOW** from a 100 litre bag containers.
- 1.6. All plants are to be viewed and approved by the Architect prior to purchasing and delivery to site. Samples are to be delivered to the architect.
- 1.7. The Architect retains the right to adjust specific species if plants are not available or in the opinion of the architect of poor quality.
- 1.8. Supply all equipment and labour for planting of trees, shrubs and groundcovers.
- 1.9. Plant when microclimatic conditions on site are best for planting.

2. Planting / composite backfill specifications

- 2.1. Contractor is to ensure the safety of services, underground or otherwise, prior to excavating and is to make good any damages caused.
- 2.2. Provide Hole for root ball size to accommodate for 100L Trees. Holes must be square and all sides vertical. Holes to be inspected by architect prior to planting.
- 2.3. Place trees plumb in the centre of the planting pit with a minimum of 150mm of compacted planting soil mixture mixed in under the root ball. Face the plant to give the best appearance in relationship to adjacent structures and to stand vertical. Cut away any ropes or tags which might girdle the trees and remove container prior to backfill procedure.
- 2.4. Install 110mm PVC sump pipes for planters inserted into the root zone of the trees for irrigating. Pipes to extend a minimum of 100mm above finished soil level and to reach bottom.
- 2.5. Fill and Backfill with soil, compost and fertilizer to specification below and tramp down firmly. Soil improvement:

Import and spread topsoil	Loamy soil with pH of 6.8 to 7.2, with an ideal composition of 15 - 20% clay 10% silt / sludge 65 - 75% sand Minimum ration of organic material 2% All material shall be free of harmful deposits and unwanted seeds Soil is to be spread in planting areas and lightly compacted in layers of 150mm Application rate: 0.45m ³ or 450 dm ³ per tree hole planter
Import and spread compost	Compost with pH of 4 to 7, shall be composed of properly decayed organic material All material shall be free of harmful deposits, salts, unwanted seeds and any other harmful waste Compost application rate: 0.45m ³ or 450 dm ³ per tree hole planter
Bonemeal Fertilizer	Fertilizer as per specifications below, to be mixed thoroughly into topsoil. No fertilizer to be added to soil more than two weeks before planting. Application rate: Bonemeal in tree holes - 0.8kg / tree hole
Super Phosphate	Fertilizer as per specifications below, to be mixed thoroughly into topsoil. No fertilizer to be added to soil more than two weeks before planting. Application rate: Super Phosphate in tree holes - 1.5kg / tree hole
Vermiculite	Application rate: Vermiculite to be applied at 15% / m3 of topsoil per planting hole 0.0675 m ³ or 67.5 dm ³
Import and spread mulch	Apply mulch in areas of planting. Mulch shall be composed of organic material such as wood chips, free from particles of bark residue, fungus disease etc. Mulch application rate: 50mm layer after planting 50 dm ³ per planter

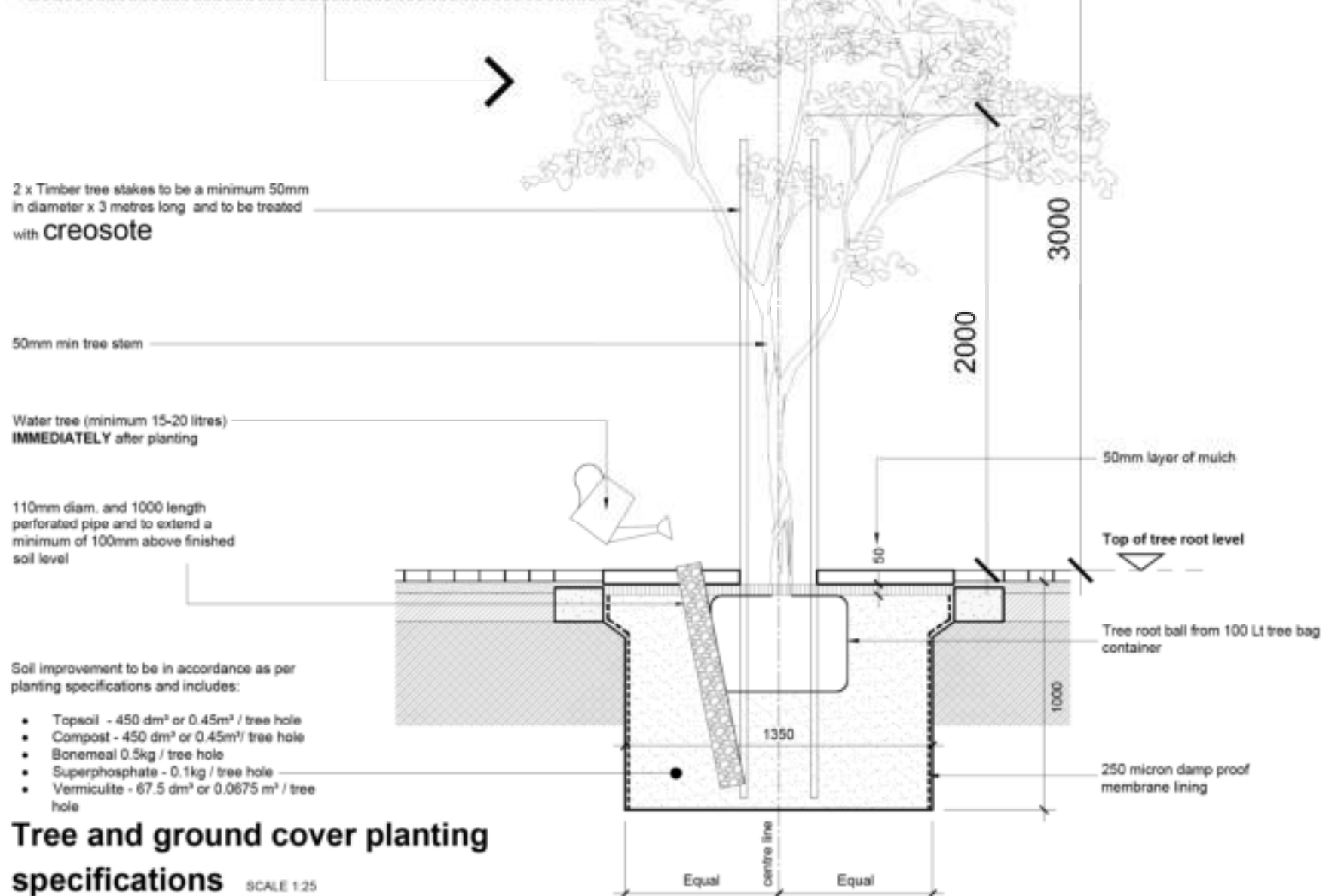
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4. Type of ground cover

- 4.1. DIETES BICOLOR (1 litre), YELLOW WILD IRIS, No. required per planter: 8 plants



General Notes:

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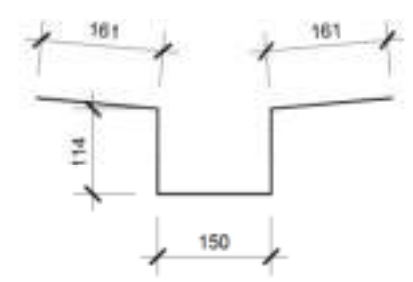
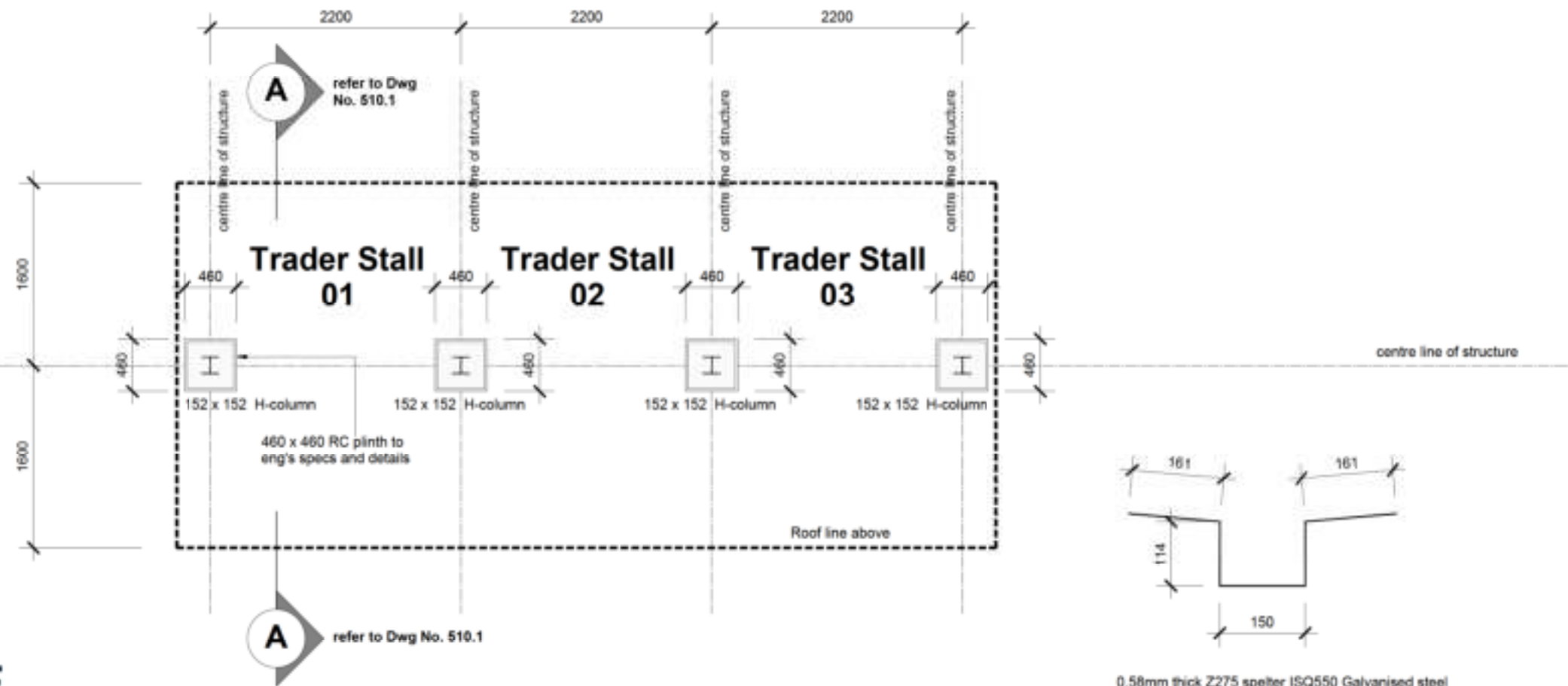
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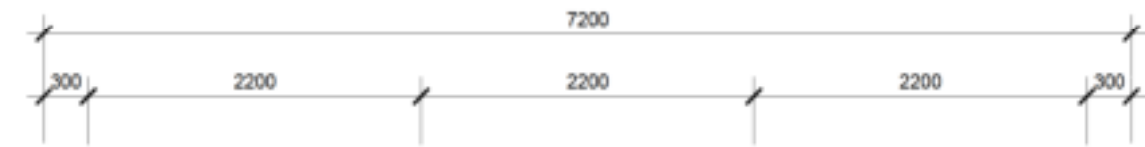
PROJECT		DRAWING TITLE	
DIEPSLOOT PHASE 2: Public Environment Upgrade		Tree and ground cover planting specifications - Type B	
DATE	AUTHOR	DESIGNED BY	CHECKED BY
2020.02.21	JN	A. L.	A. L.
JOB NO	DRAWING NO.	REVISION NUMBER.	
DPEU 2091.2	C 503.3	0	



0.58mm thick Z275 spelter ISQ550 Galvanised steel flashings, accordance with manufacturer's specifications.
Flashing : 700mm valley gutter

VALLEY GUTTER PROFILE

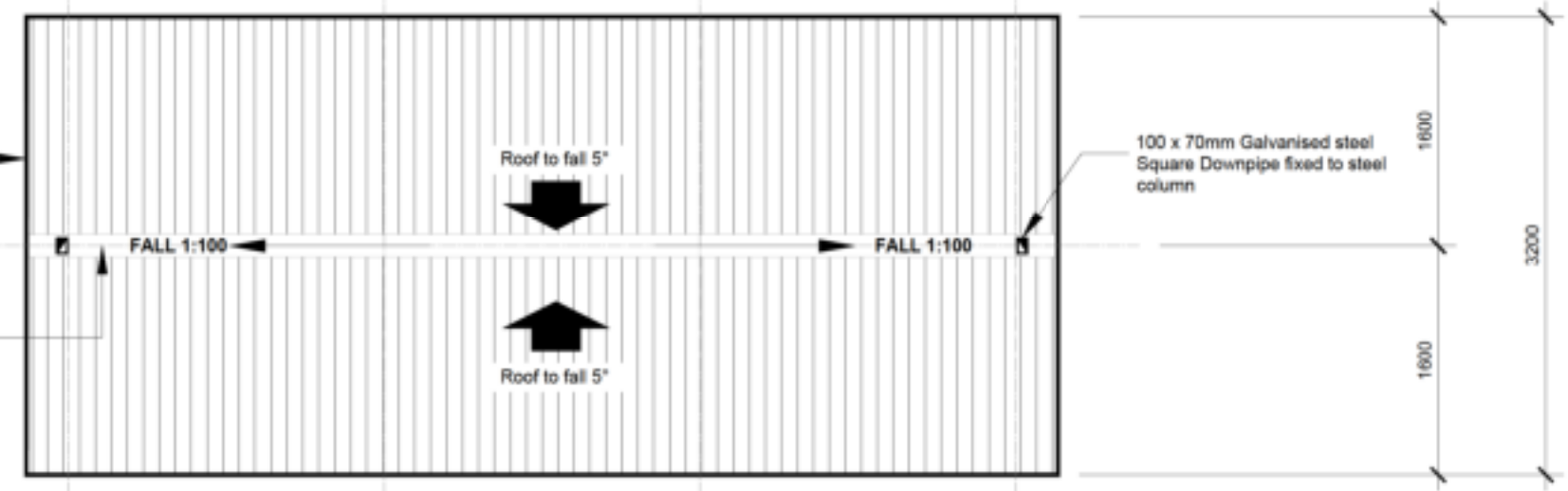
TRADERS STRUCTURE SCALE 1:50



ROOF SHEETING:
IBR chromadek roof sheeting @ 5° ROOF SLOPE.
Colour: Dark Dolphin and Pebble Grey to underside.
Roof profile: IBR 686
Material gauge: 0.58mm

0.58mm thick Z275 spelter ISQ550 Galvanised steel flashings, accordance with manufacturer's specifications.
Flashing : 700mm valley gutter on 203 x 203 m/steel H- column to be used as roof support / gutter. Sizes and details to engineer's specs.

ROOF PLAN SCALE 1:50



1 Elevation 1, refer to Dwg No. 510.1

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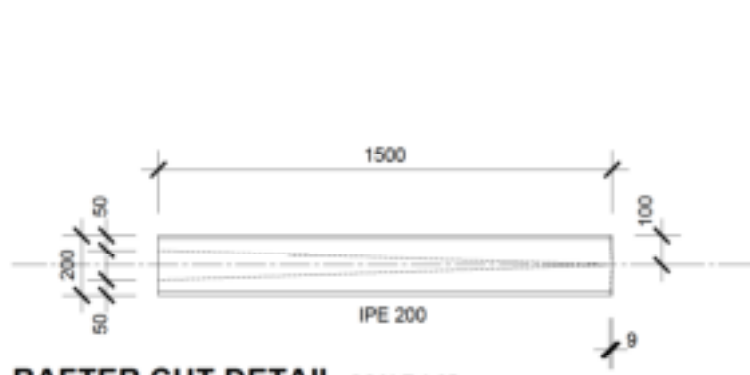
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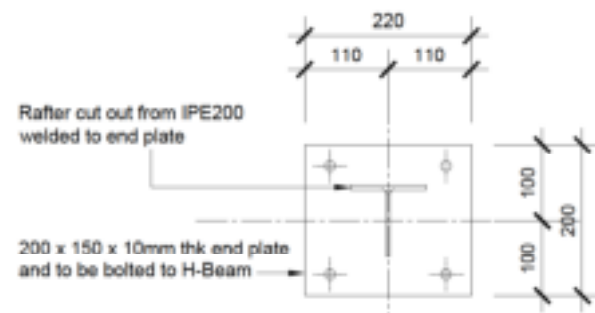
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PROJECT		DRAWING TITLE		
DIEPSLOOT PHASE 2: PUBLIC Environment Upgrade		Traders Structure 1 of 3		
DATE: 2020.02.21	AUTHOR: JN	DESIGNED BY: A. L.	CHECKED BY: A. L.	SCALE: As shown
JOB NO: DPEU 2091.2	DRAWING NO. C 504.0		REVISION NUMBER: 0	



RAFTER CUT DETAIL SCALE 1:25



TYPICAL RAFTER BEAM CONNECTION SCALE 1:10

ROOF SHEETING:
IBR chromadek roof sheeting @ 5° ROOF SLOPE.
Colour: Dark Dolphin and Pebble Grey to underside.
Roof profile: IBR 686
Material gauge: 0.58mm

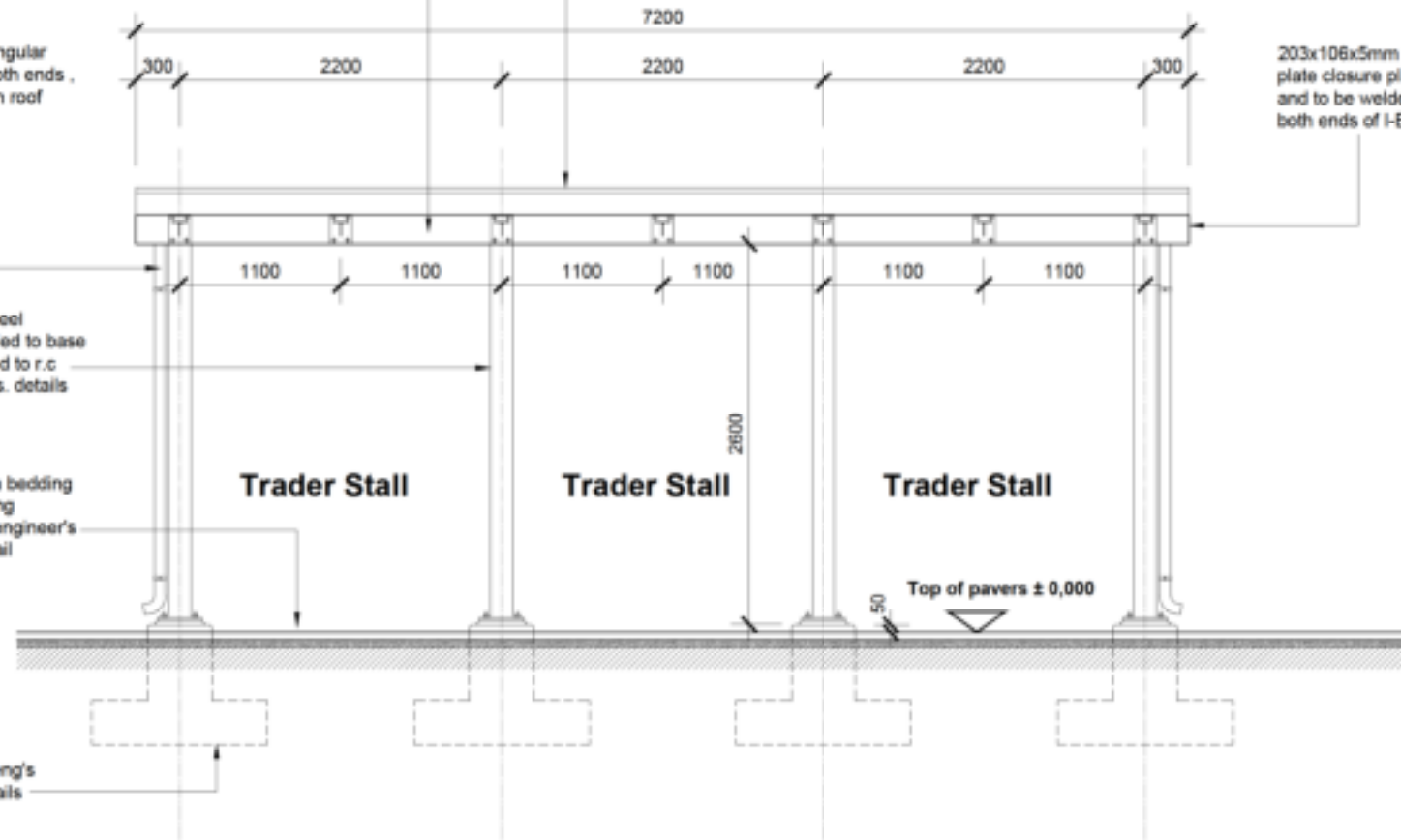
203 x 203 m/steel H- column to be used as roof support / gutter. Sizes and details to engineer's specs.

70 x 100 rectangular downpipe at both ends, colour to match roof sheeting.

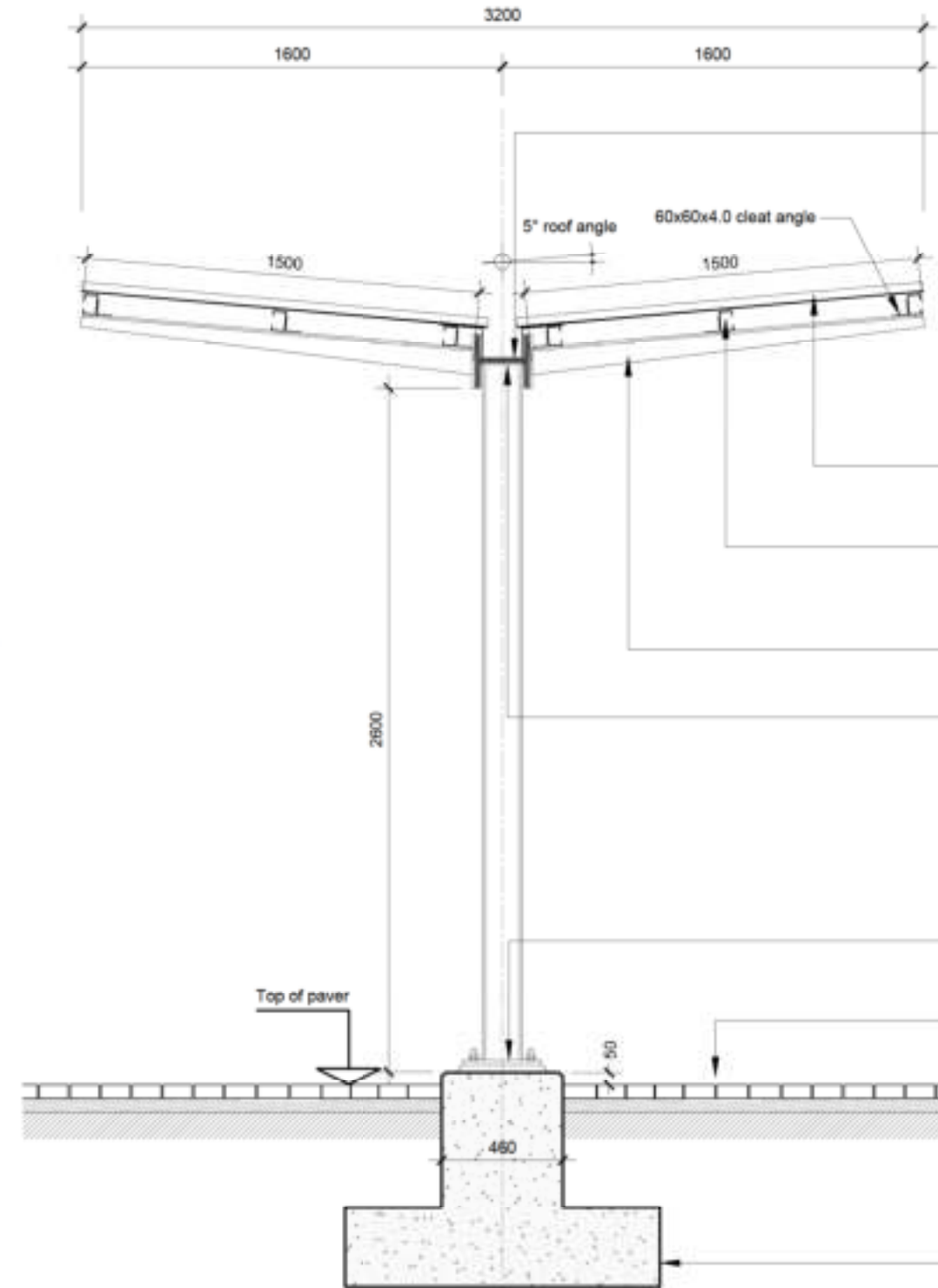
152 x 152 M/steel H-column welded to base plate and bolted to r.c footing to eng's. details and specs

Clay pavers on bedding sand and paving layerworks to engineer's specs and detail

RC footing to eng's specs and details



ELEVATION 1 - TRADERS STRUCTURE SCALE 1:50



0.58mm thick Z275 spelter
ISQ550 Galvanised steel flashings, accordance with manufacturer's specifications.
Flashing : 700mm valley gutter on
203 x 203 m/steel H- column to be used as roof support / gutter. Sizes and details to engineer's specs.

ROOF SHEETING:
IBR chromadek roof sheeting @ 5° ROOF SLOPE.
Colour: Dark Dolphin and Pebble Grey to underside.
Roof profile: IBR 686
Material gauge: 0.58mm

75 x 50 x 20 C channel purlin set @ 750mm max c/c to eng's specs and details

IPE 200 rafter cut to shape each at 1100mm c/c to eng's specs and details

Cap plate welded to top of column to engineers specs and details

152 x 152 M/steel H-column welded to base plate and bolted to r.c footing to eng's. details and specs

Clay pavers on bedding sand and paving layerworks to engineer's specs and detail

RC footing to eng's specs and details

SECTION A-A SCALE 1:25

COLOUR FINISH: ALL STEEL WORKS TO BE PAINTED AND COLOUR : RAL 7011 (IRON GREY).

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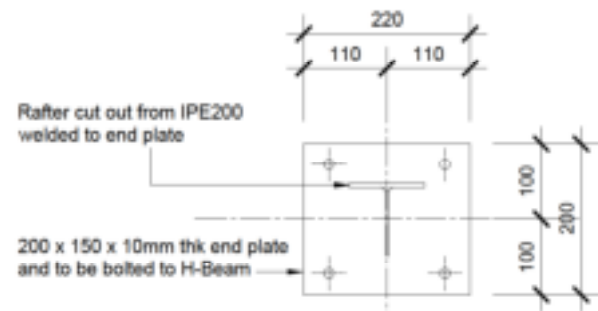
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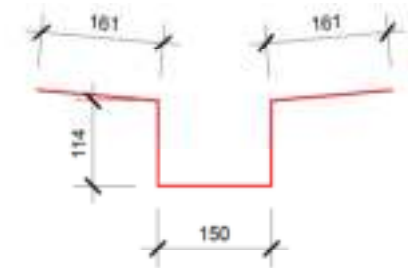
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PROJECT		DRAWING TITLE		
DIEPSLOOT PHASE 2: PUBLIC Environment Upgrade		Traders Structure 2 of 3		
DATE 2020.02.21	AUTHOR JN	DESIGNED BY A.L.	CHECKED BY A.L.	SCALE As shown
JOB NO DPEU 2091.2	DRAWING NO. C 504.1	REVISION NUMBER. 0		



DETAIL X-X TYPICAL RAFTER BEAM CONNECTION SCALE 1:10



0.58mm thick Z275 spelter ISQ550 Galvanised steel flashings, in accordance with manufacturer's specifications. Flashing : 700mm valley gutter

VALLEY GUTTER PROFILE SCALE 1:10

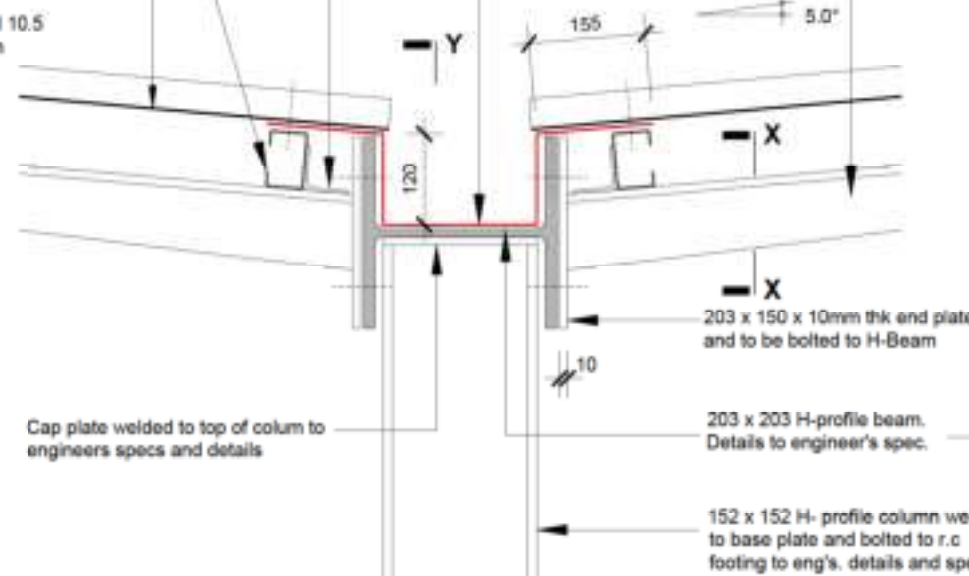
0.58mm thick Z275 spelter ISQ550 Galvanised steel flashings, accordance with manufacturer's specifications. Flashing : 700mm valley gutter

60x60x4.0 cleat angle

75x50x2.0 lipped channel purlin

Corrugated chromadek roof sheeting @ 5.0° ROOF SLOPE. Colour: Dark Dolphin and Pebble Grey to underside. Roof profile: Corrugated 10.5 Material gauge: 0.58mm

Rafter cut out from IPE200 welded to end plate



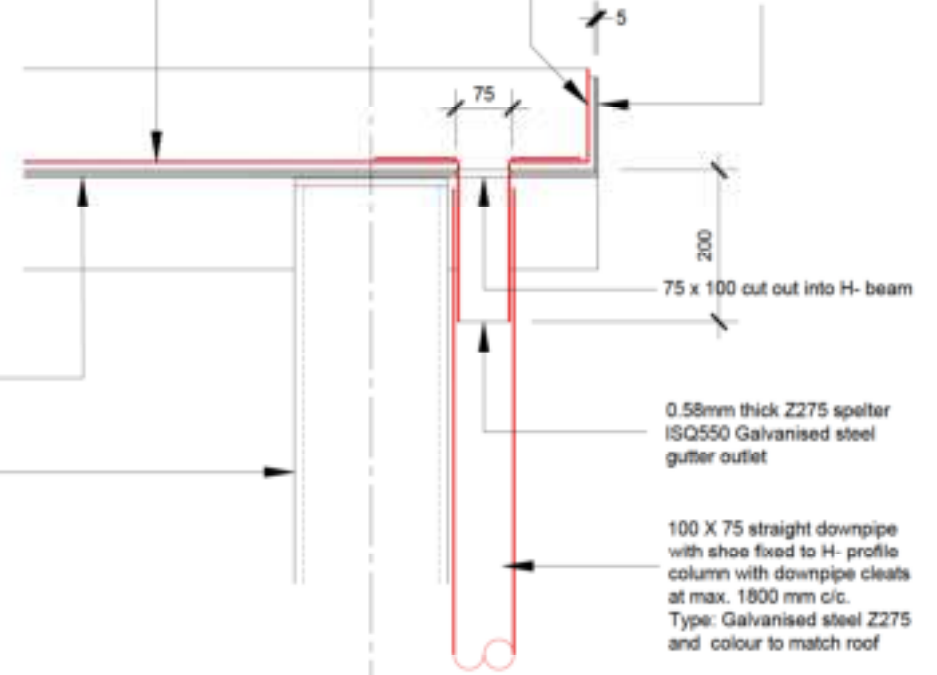
GUTTER DETAIL

SCALE 1: 10

0.58mm thick Z275 spelter ISQ550 Galvanised steel flashings gutter profile, in accordance with manufacturer's specifications. Flashing : 700mm valley gutter

0.58mm thick Z275 spelter ISQ550 Galvanised steel flashings gutter stop end

5 mm thk end cap plate welded to both ends of H-profile beam



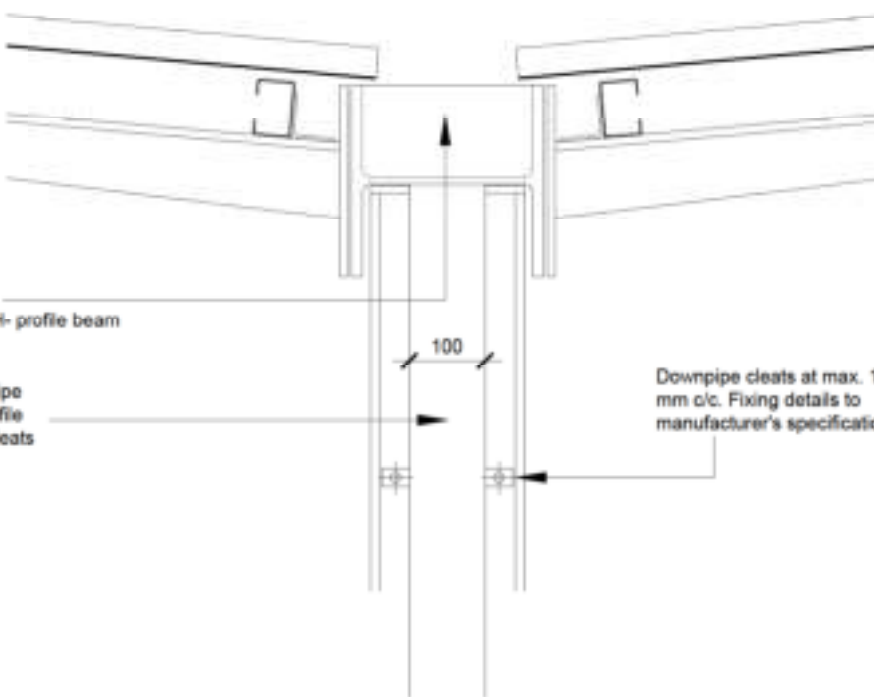
DETAIL Y - GUTTER STOP END SCALE 1:10

5 mm thk end cap plate welded to both ends of H-profile beam

100 X 75 straight downpipe with shoe fixed to H- profile column with downpipe cleats at max. 1800 mm c/c.

Type: Galvanised steel Z275 and to be painted colour to match roof

Downpipe cleats at max. 1800 mm c/c. Fixing details to manufacturer's specifications



DETAIL ELEVATION - DOWNPIPE AND FIXING SCALE 1:10

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PROJECT		DRAWING TITLE		
DIEPSLOOT PHASE 2: PUBLIC Environment Upgrade		Traders Structure 3 of 3		
DATE: 2020.02.21	AUTHOR: JN	DESIGNED BY: A. L.	CHECKED BY: A. L.	SCALE: As shown
JOB NO: DPEU 2091.2	DRAWING NO. C 504.2	REVISION NUMBER: 0		