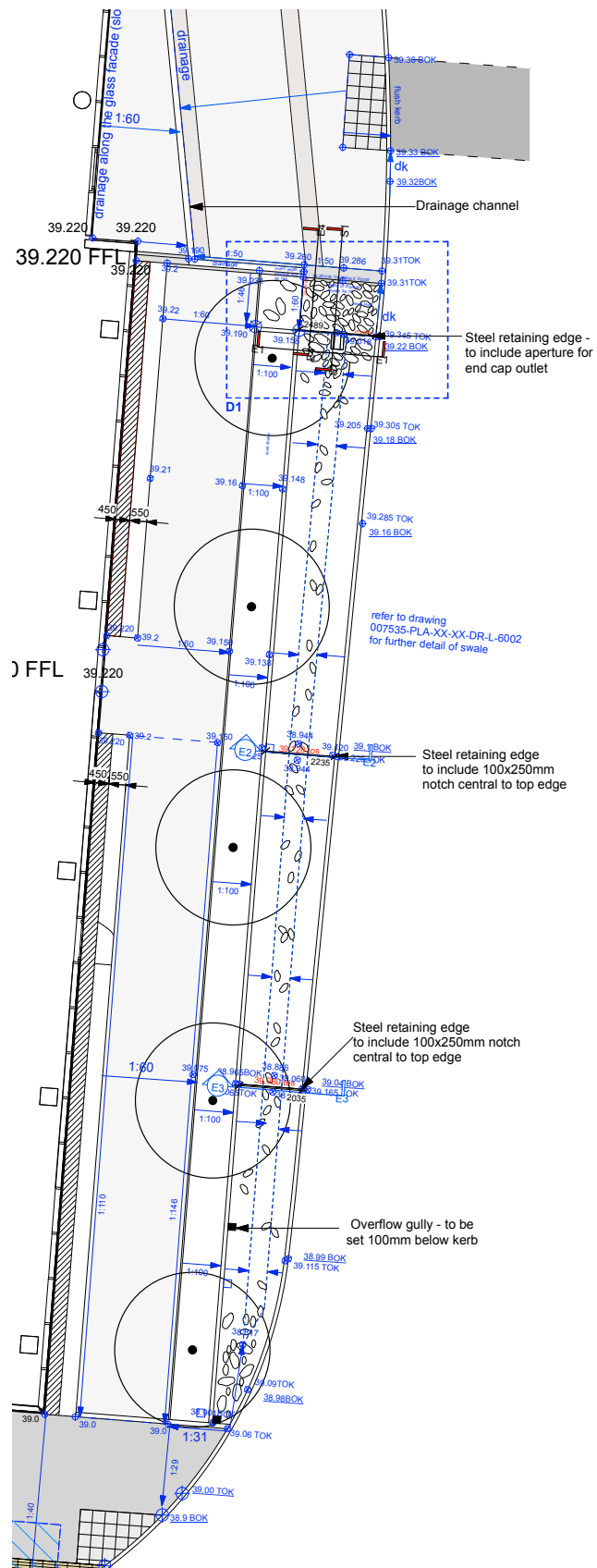
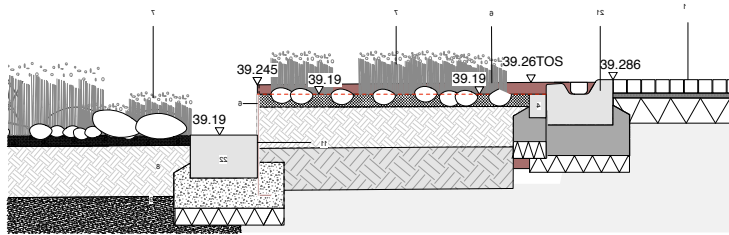


SWALE PLANTING DETAIL

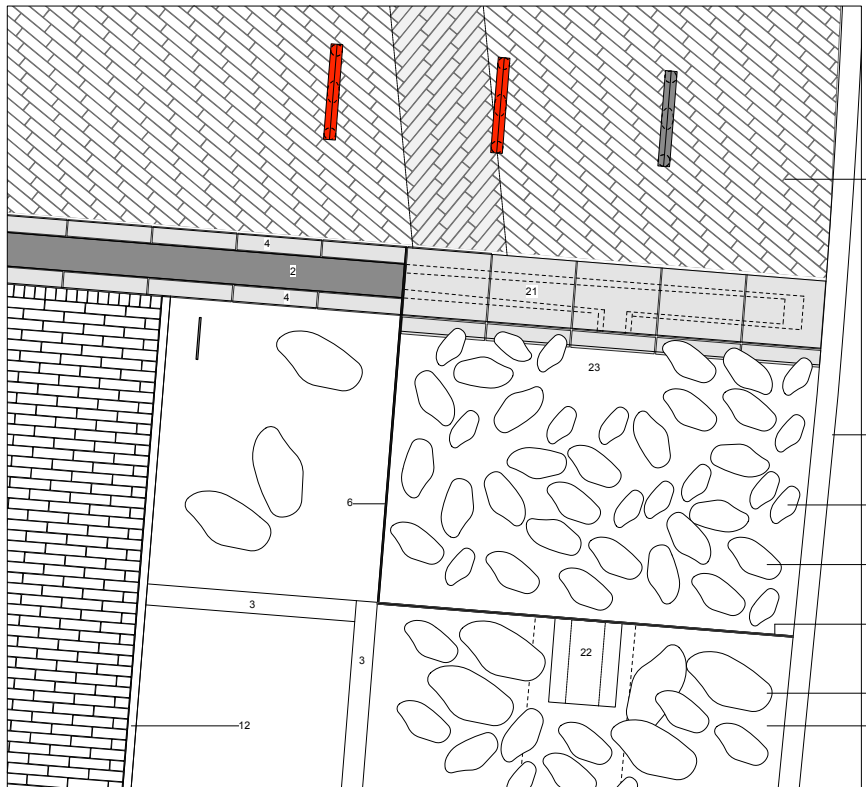


Swale Plan (scale 1:100)

**Refer to 007535-PLA-XX-XX-DR-L-3002
Levels Plan in conjunction with this drawing.**



S1 Detail Section - Drainage Outlet
Scale 1:20



S2 Detail Plan of Outlet Interface
Scale 1:20



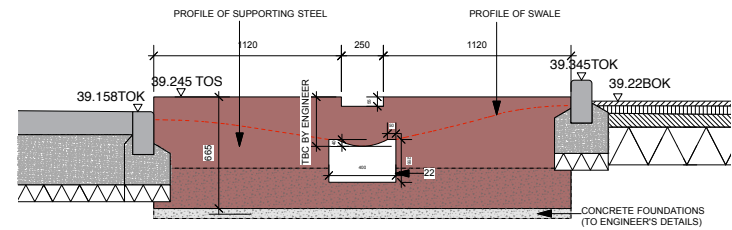
D3 Precedent Image



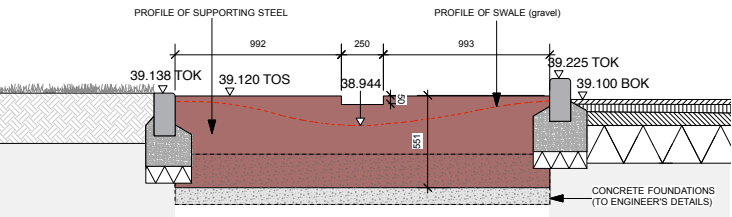
D4 Precedent Image - of bespoke open channel



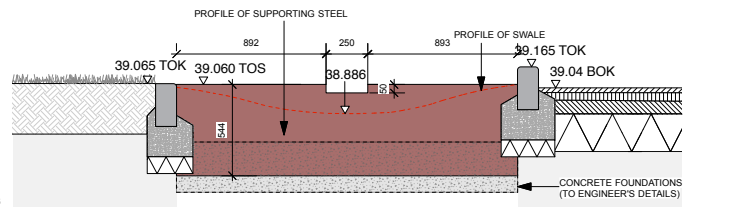
D5 Precedent Image OF OVERFLOW DETAIL



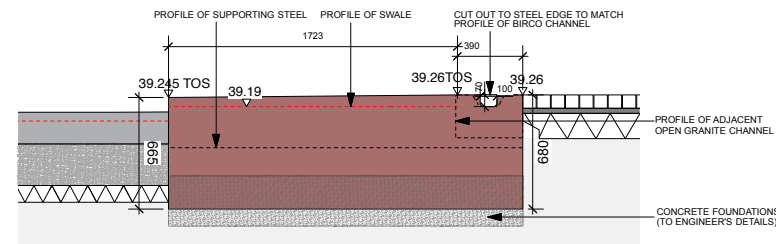
E1 Detail Elevation - Steel & Drainage Outlet
Scale 1:20



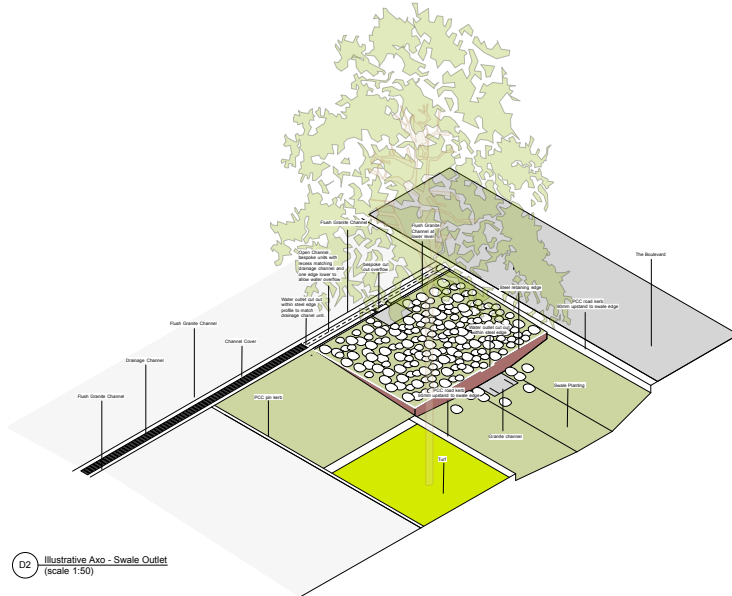
E2 Detail Elevation - Steel & Drainage Outlet
Scale 1:20



E3 Detail Elevation - Steel & Drainage Outlet
Scale 1:20



E4 Detail Elevation - Steel & Drainage Outlet
Scale 1:20

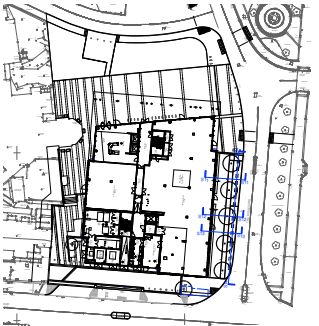


D2 Illustrative Axo - Swale Outlet
(scale 1:50)

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NOTES:

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3. All dimensions are in millimetres unless otherwise stated.
4. All setting out, levels and dimensions to be agreed on site.
5. The dimensions of all materials must be checked on site before being laid out.
6. This drawing must be read with the relevant specification clauses and detail drawings.
7. Order of construction and setting out to be agreed on site.



Location Plan (scale 1:1000)

DESIGN INTENT ONLY
Foundations to engineers specification.

metal work subject to approval of manufactureres drawings, all measurements to be checked on site prior to ordering and fabrication.

NOTE:

Previous Drawing Number for Contract: PL1564-106

- [illegible]

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Client CMFT/MSP

Project Citylabs 2.0

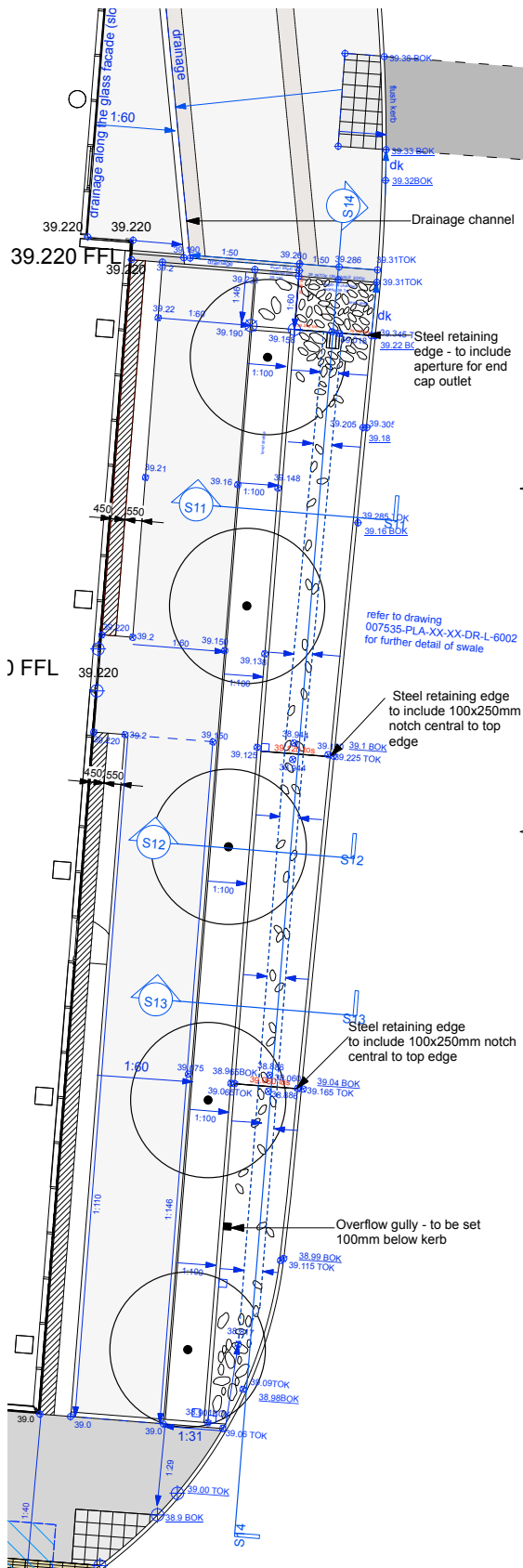
Drg Title Detail - Swale

Created on	Created by	Approved by
09.07.19	SAB	AM

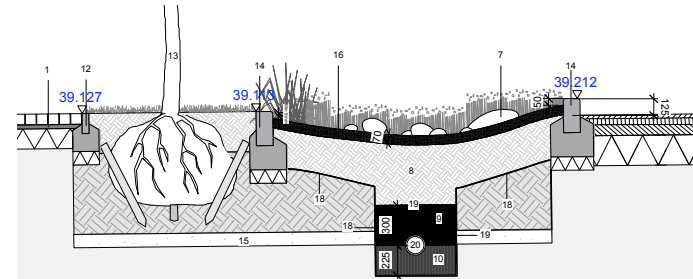
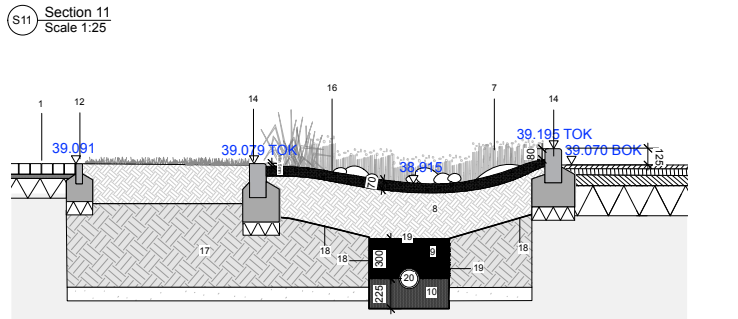
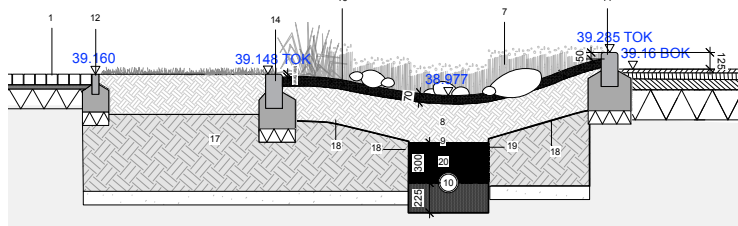
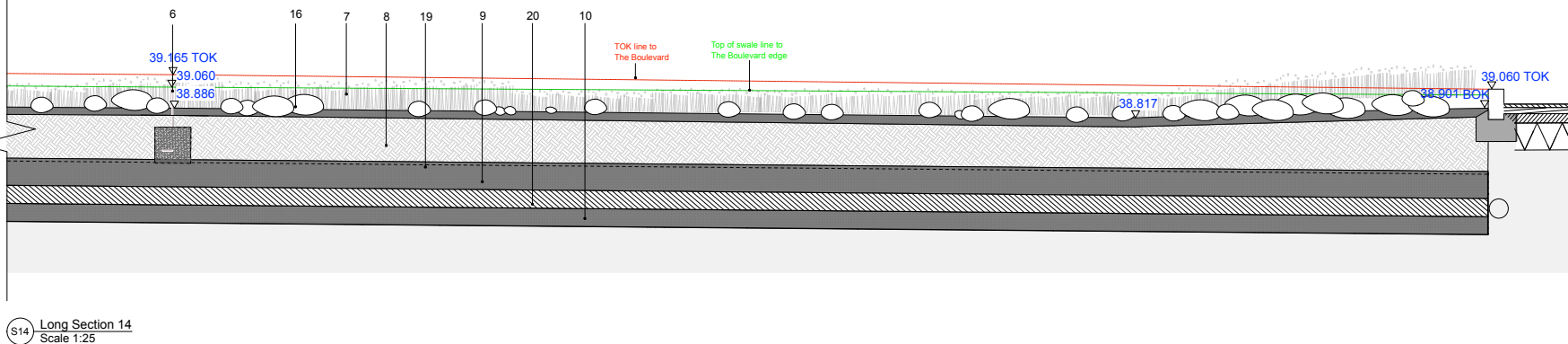
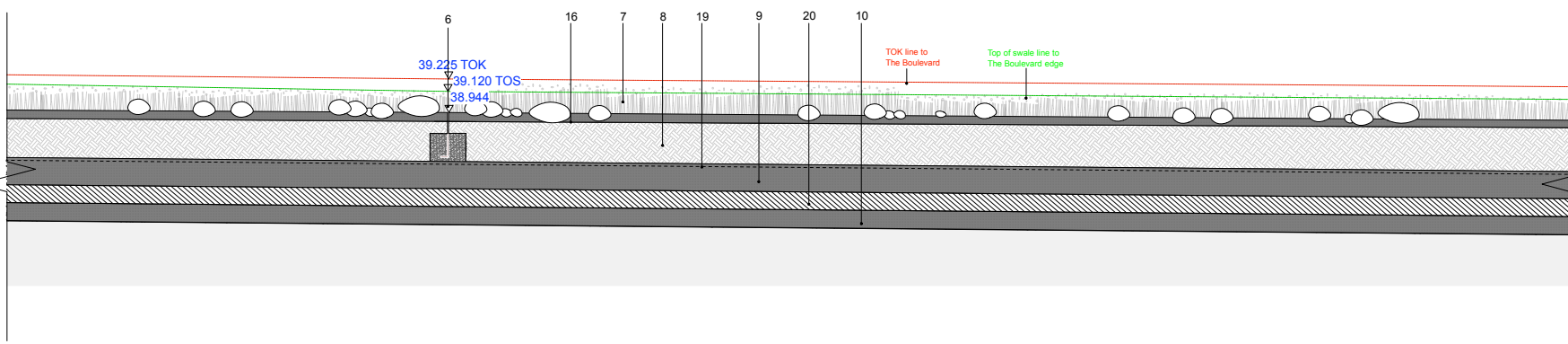
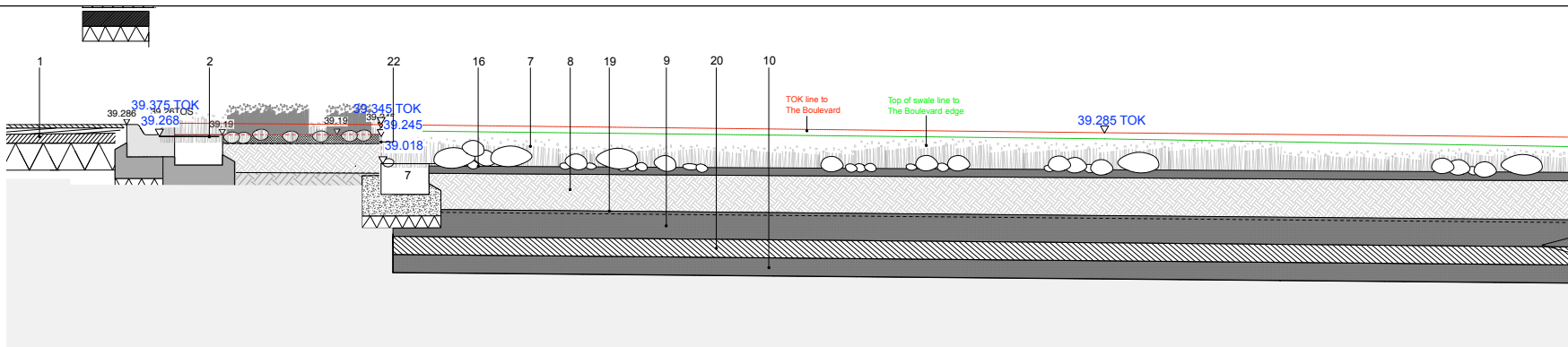
Scale	Size	Workstage
1:20/1:100	A1	Stage 5

Drg No.	Suitability	Revision
007535-PLA-XX-XX-DR-L-6002	S4	C0

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Swale Plan (scale 1:100)
Refer to 007535-PLA-XX-XX-DR-L-3002
Levels Plan in conjunction with this drawing.



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 6. This drawing must be read with the relevant specification clauses and detail drawings.
 7. Order of construction and setting out to be agreed on site.



Location Plan (scale 1:1000)
DESIGN INTENT ONLY
Foundations to engineers specification.
metal work subject to approval of manufacturers drawings, all measurements to be checked on site prior to ordering and fabrication.

1. Proposed Concrete Aggregate Set Paving (TYPE B)
Material: Kellen - Larcos
Colour: W1 Finish: textured
Dimensions: 240mm x 80mm x 80mm deep
Supplier: Hardscape (t0120456550) or similar and approved
Bord: laid stretcher bond before break of direction at a herringbone interface to feature banding. Refer to paving orientation plan 007535-PLA-XX-XX-DR-L-5006. Refer to specification clause C25/1608
2. 100mm Drainage channel - refer to engineer's specification
To specification clause C10/180A
3. PCC road kerb 125mm upstand - Type KIA. 125x255mm
125mm upstand to road side, 100mm upstand to swale side. C10/1110B
4. Proposed Concrete Paving Channel (TYPE 4A)
Colour: Silver Grey
Dimensions: double row of 250mm wide x 500mm long x 140mm deep flush
Material: Kellen - Larcos. Stretcher bond.
Colour: W1
Supplier: Hardscape (t0120456550) or similar and approved
To specification clause C10/1110B
5. Drainage outlet pipe to swale - to engineer's specification.
6. Steel retaining edge.
Sizes varies, top section L profile, refer to drawings. Edge to be in one piece, all welding to be off site. Thickness min 5mm by engineer. Material: Corten Steel
Accessories: allow for aperture to fit end cap outlet from slot drain on first retaining edge, others to have 250x100mm notch to allow water to pass to next segment.
Surface of corten steel plate to be abraded to ensure key to concrete. Fixed in to concrete foundation to engineers detail, 300 x 300 S14. Minimum embedment of steel to be 200mm. Steel edge to sit 100mm below top of road kerb. Concrete foundation to sit 100mm below soil level, 170mm below gravel level.
7. Proposed Planting, refer to drawings 007535-PLA-XX-XX-DR-L-2002, 2003, 6001, 6004, 6005.
8. Porous free draining soil (sand based soil with organic matter) Sample to be approved by LA prior to installation.
9. Drainage backfill, 40mm single sized coarse aggregate - to engineer's specification
10. Granular Bedding - to engineer's specification
11. Concrete pad foundation to steel retaining edge - to engineer's specification.
12. PCC pin kerb 80x150mm, W50 x D150 x L915mm. laid flush. to specification clause C10/110A
13. Semi-mature and EHS tree planting. Refer to Softworks Plan 007535-PLA-XX-XX-DR-L-2002 & 6003 for locations and schedules.
14. Drainage layer 100mm clean stone to base of tree pits.
15. Loose Gravel, 70mm depth decorative gravel pebbles to swale top. Mix: 60% Scottish cobble (40-50mm), 15% Rocky Stone, 5% Large rocks (various)
Supplier: Offerton sand and gravel or equal approved. L0161 456 4636
Allow for Landscape Architect to pick final rocks at quarry and set out final layout on site. To specification clause C25/1608
17. Imported subsoil to bottom of tree pit / planting, refer to drawing 007535-PLA-XX-XX-DR-L-400 for further detail and clause C28.
18. HDPE geomembrane liner and root barrier - to engineer's specification
19. Geotextile membrane - to engineer's specification
To specification clause C21/1352A.
20. 16mm perforated plastic pipe - to engineer's specification
21. Stainless steel grates to corten steel retaining edge. Bespoke laser cut circular perforations. Submit manufacturers drawings for approval prior fabrication. To specification clause C10/1202
22. Granite Channel
to swale outlet
Colour: Silver Grey
Dimensions: 400mm wide x 500mm long x 255mm deep, with recess in centre.
Haunched in concrete to engineers detail. to specification clause C25/140B

S4, C01	22-10-19	Stage Approval	AM	AM
S1, P03	04-10-19	coordination with engineers	SAB	AM
S1, P02	20-09-19	coordination with engineers	SAB	AM
S1, P01	29-08-19	coordination with engineers	SAB	AM

Revision	Date	Description	Drawn	Apprvd.
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Client CMFT/MSP

Project Citylabs 2.0
Manchester

Drg Title Detail - Swale

Created on 12.08.19 Created by SAB Approved by AM

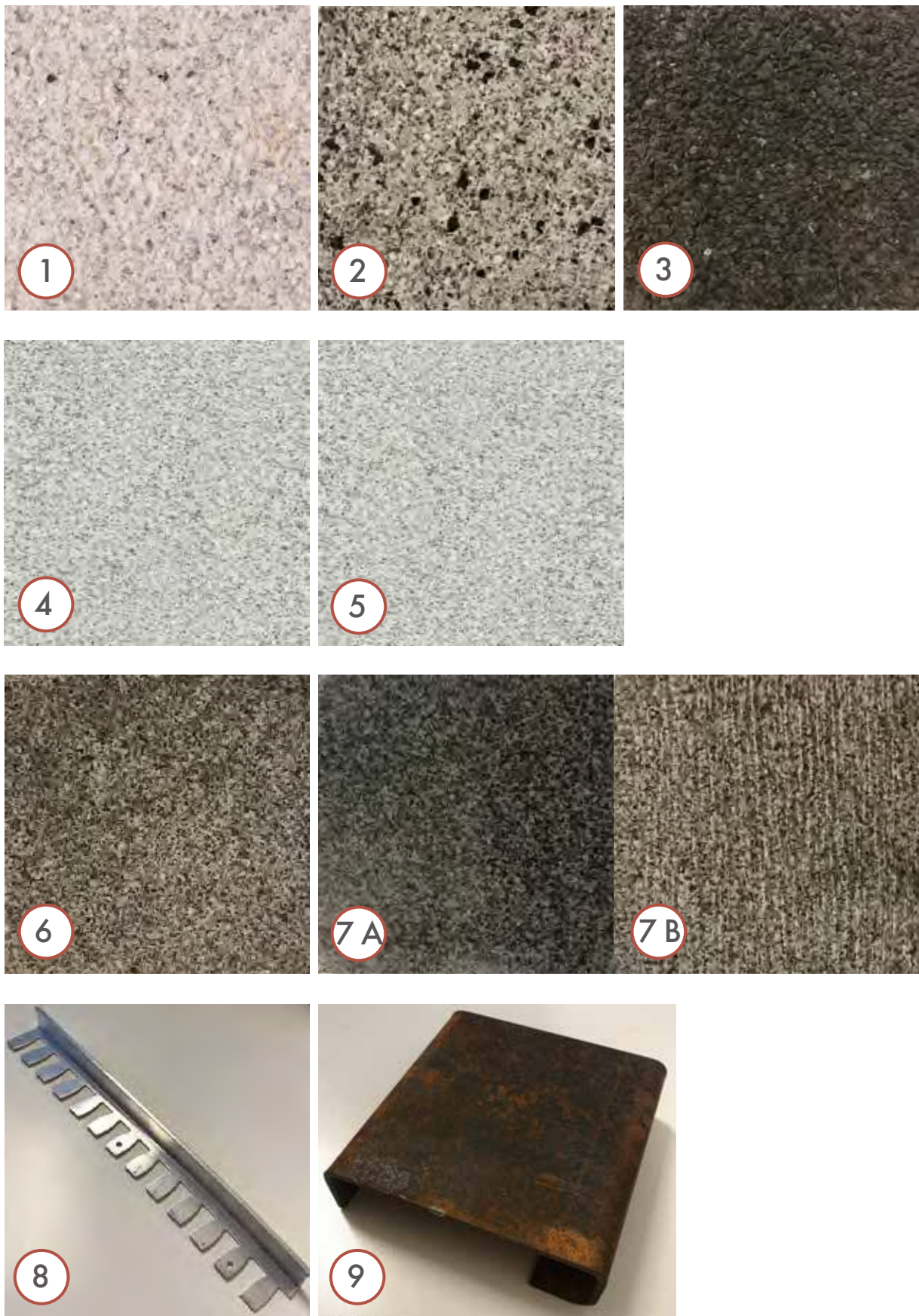
Scale 1:25/1:100 Size A1 Workstage Stage 5

Drg No. 007535-PLA-XX-XX-DR-L-6003 Suitability S4 Revision C01

LANDSCAPING | CONDITION 14 - MATERIALS

Prior to occupation of the development (or phase thereof), details of the materials, including natural stone or other high quality materials to be used for the footpaths and for the areas between the back of pavement surrounding the development site and the line of the proposed building shall be submitted to and approved in writing by the City Council as local planning authority. All works approved in discharge of this condition shall be fully completed before the development (or phase thereof) hereby approved is first occupied.

MATERIALS



- 1. Proposed Concrete Aggregate Sett Paving - TYPE 8
Proposed Concrete Paving Channel - TYPE 4A

Material: Kellen - Lavarro
Colour: Wit
Finish: Textured
- 2. Feature Banding Concrete Aggregate Sett Paving
Proposed Feature Banding Concrete Aggregate Sett Paving

Material: Kellen - Liscio
Colour: Tagenta E
Finish: Smooth/ground

- 3. Proposed Concrete Paving Band - K4B

Material: Kellen - Lavarro
Colour: Zwart

- 4. Proposed Granite Channel - K3E

Material: Granite
Colour: Silver/Grey
Finish: Sand blasted

- 5. Proposed Granite Channel - K3A
Proposed Granite Channel - K3B
Proposed Granite Chanel - K3C
Proposed Granite Channel - K3D
Proposed Granite Channel - K3E
Proposed Granite Channel - K3F

Material: Granite
Colour: Silver/Grey
Finish: Flamed

- 6. Natural Stone Plinth to Fencing - RW10

Material: Granite
Colour: Kobra - Dark Grey
Finish: Picked

- 7. Natural Stone Retaining Wall - RW 11A - 11B

Material: Granite
Colour: Kobra - Dark Grey
Finish: (left to right) Polished top/Tooled side

- 8. Alluminium Edging - K7

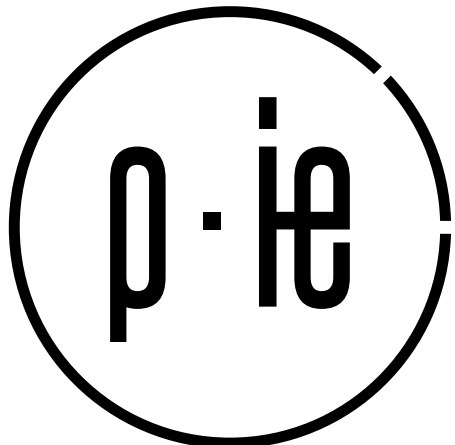
Material: Alluminium
Finish: Standard - mill

- 9. Swale Steel Retaining Edge - K9
Proposed Swale Information Post

Material: Corten Steel

SANDSTONE WALLS





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