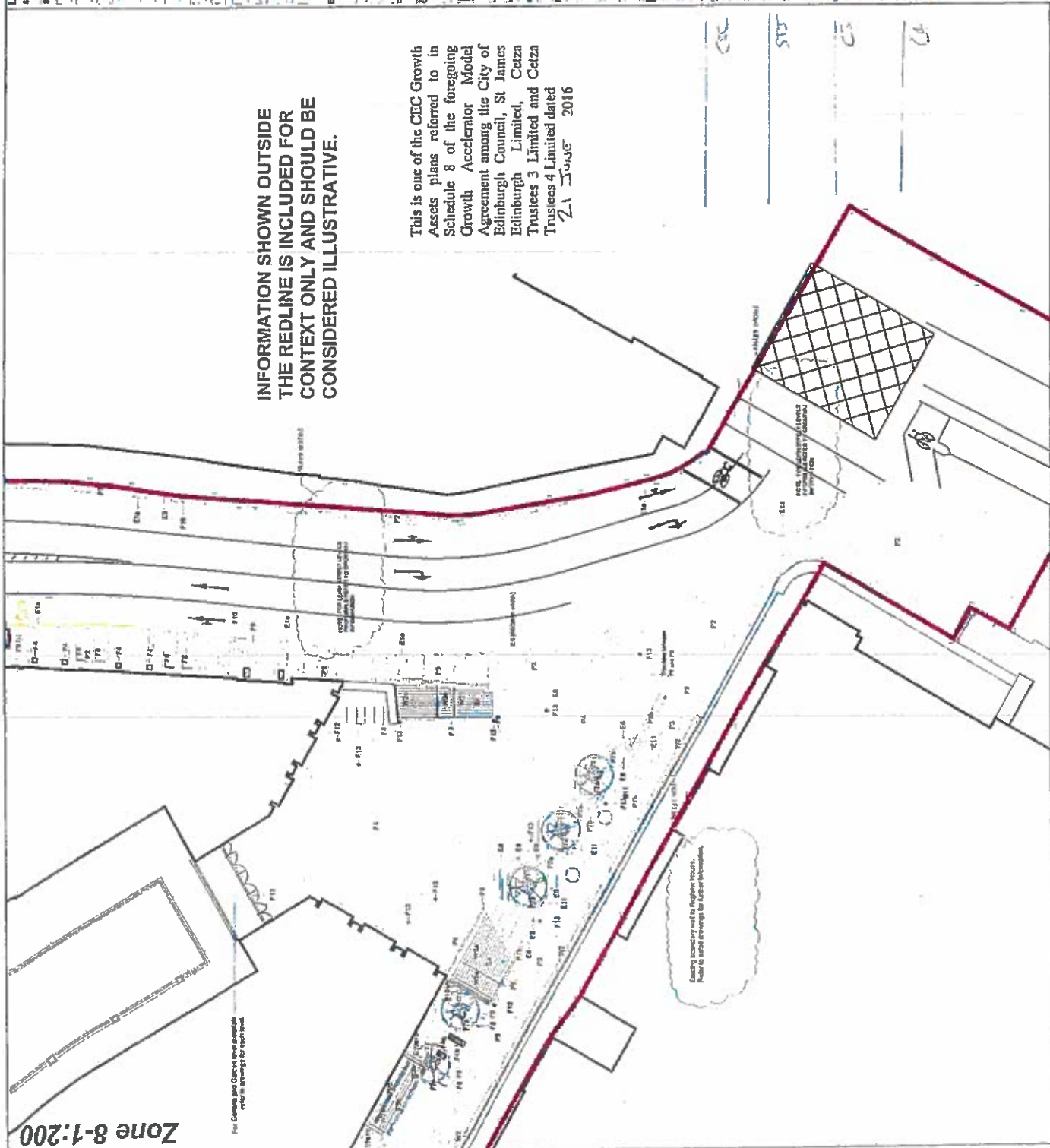


Zone 8-1:200

For Canals and Canals level schedule refer to drawings for each level.



INFORMATION SHOWN OUTSIDE THE REDLINE IS INCLUDED FOR CONTEXT ONLY AND SHOULD BE CONSIDERED ILLUSTRATIVE.

This is one of the CEC Growth Assets plans referred to in Schedule 8 of the foregoing Growth Accelerator Model Agreement among the City of Edinburgh Council, St James Edinburgh Limited, Ceiza Trustees 3 Limited and Ceiza Trustees 4 Limited dated 21 June 2016

LEGEND

- 1. Proposed building footprint, including all existing buildings and all new buildings.
- 2. Proposed building footprint, including all existing buildings and all new buildings, shown in red.
- 3. Proposed building footprint, including all existing buildings and all new buildings, shown in red, with a red outline.
- 4. Proposed building footprint, including all existing buildings and all new buildings, shown in red, with a red outline and a red dot.
- 5. Proposed building footprint, including all existing buildings and all new buildings, shown in red, with a red outline and a red dot, and a red line.
- 6. Proposed building footprint, including all existing buildings and all new buildings, shown in red, with a red outline and a red dot, and a red line and a red dot.
- 7. Proposed building footprint, including all existing buildings and all new buildings, shown in red, with a red outline and a red dot, and a red line and a red dot, and a red line and a red dot.
- 8. Proposed building footprint, including all existing buildings and all new buildings, shown in red, with a red outline and a red dot, and a red line and a red dot, and a red line and a red dot, and a red line and a red dot.



Client: TMA Henderson Real Estate
 Edinburg St James
 Public Realm St James
 Zone 8 - Landscape OA

STAGE 3

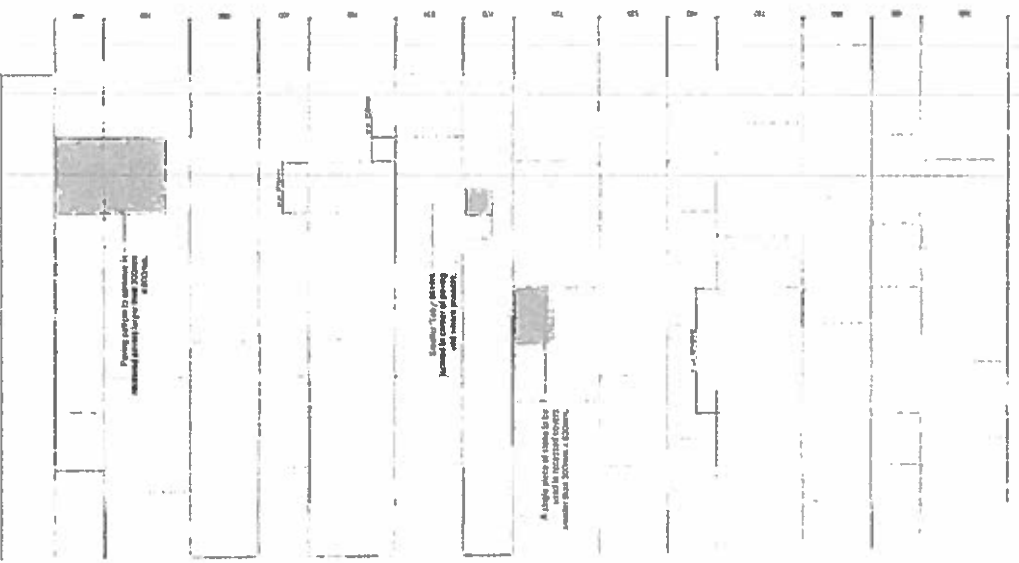
1:200 Scale

DATE: 21 June 2016

BY: [Signature]

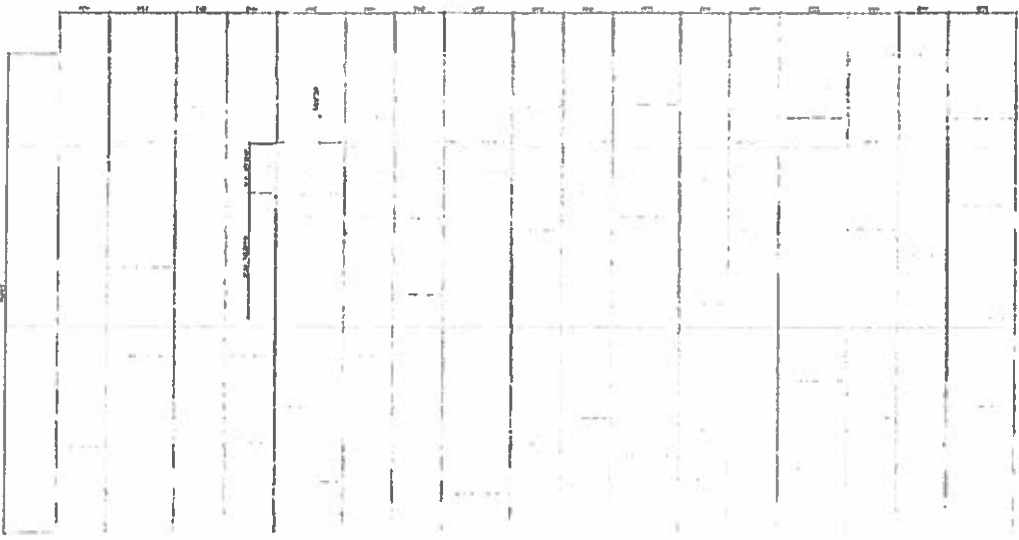
FOR: [Signature]

PROJECT NO: BSL-016-277-953 OR-LA-111111 E



P2: Large Slab 'Scoutmoor' Yorkstone Paving
 Material: Scoutmoor Yorkstone
 Colour: Natural, as supplied.
 Finish: Diamond sawn.
 Unit Size: 500mm x 400 - 1000mm
 Thickness: 40mm ± 1mm
 Joints: Randomly 75mm ± 1mm. To be less than 12 rows.
 Bed: 100mm ± 10mm of bedding.
 Sub-Base: 150mm ± 10mm of bedding.
 Comp: 100mm ± 10mm of bedding.
 Laying Notes:
 1. Paving to be laid perpendicular to road face.
 2. Joints to be staggered.
 3. Joints to be cut to provide a close joint to the base. No mortar will be accepted.
 4. Grout joints to be arranged following the pattern to be approved prior to laying permeable areas.
 5. No permeable pattern to be laid within 12 rows.
 6. Permeable pattern to be laid within 12 rows.
 7. Permeable pattern to be laid within 12 rows.
 8. Permeable pattern to be laid within 12 rows.
 9. Permeable pattern to be laid within 12 rows.
 10. Permeable pattern to be laid within 12 rows.
 11. Permeable pattern to be laid within 12 rows.
 12. Permeable pattern to be laid within 12 rows.
 13. To be used in conjunction with General Paving Notes.

P2
 Large Slab 'Scoutmoor' Yorkstone Paving
 Scale: 1:20@A1
 DT152



P3: Small Slab 'Scoutmoor' Yorkstone Paving
 Material: Scoutmoor Yorkstone
 Colour: Natural, as supplied.
 Finish: Diamond sawn.
 Unit Size: 500mm x 400 - 1000mm
 Thickness: 40mm ± 1mm
 Joints: Randomly 75mm ± 1mm. To be less than 12 rows.
 Bed: 100mm ± 10mm of bedding.
 Sub-Base: 150mm ± 10mm of bedding.
 Comp: 100mm ± 10mm of bedding.
 Laying Notes:
 1. Paving to be laid perpendicular to road face.
 2. Joints to be staggered.
 3. Joints to be cut to provide a close joint to the base. No mortar will be accepted.
 4. Grout joints to be arranged following the pattern to be approved prior to laying permeable areas.
 5. No permeable pattern to be laid within 12 rows.
 6. Permeable pattern to be laid within 12 rows.
 7. Permeable pattern to be laid within 12 rows.
 8. Permeable pattern to be laid within 12 rows.
 9. Permeable pattern to be laid within 12 rows.
 10. Permeable pattern to be laid within 12 rows.
 11. Permeable pattern to be laid within 12 rows.
 12. Permeable pattern to be laid within 12 rows.
 13. To be used in conjunction with General Paving Notes.

P3
 Small Slab 'Scoutmoor' Yorkstone Paving
 Scale: 1:20@A1
 DT152

This is one of the CEC Growth Assets plans referred to in Schedule 8 of the foregoing Growth Accelerator Model Agreement among the City of Edinburgh Council, St James Edinburgh Limited, Ceiza Trustees 3 Limited and Ceiza Trustees 4 Limited dated 21 June 2016

Handwritten signatures and initials: *AMM*, *Muel*, *Muel*, *Muel*. Above the signatures are the letters *CEC*, *STJ*, *CE*, and *CE*.

NOTES
 1. All paving proposals to be approved by the City of Edinburgh Council Officers including Roads Construction Consent City Engineer prior to commencement.
 2. All paving proposals to be approved by the City of Edinburgh Council Officers including Roads Construction Consent City Engineer prior to commencement.

OP
 STAGE 3
 TMA Henderson Real Estate
 Edinburgh 6 James
 Public Rights: St James
 Details: OP - Paving
 Date: 21/06/16
 Drawn by: J. James
 Checked by: J. James
 Approved by: J. James
 Date: 21/06/16
 Scale: 1:20@A1
 Project: ES-LOPE-DEF-OR-14-0102
 Page: 3



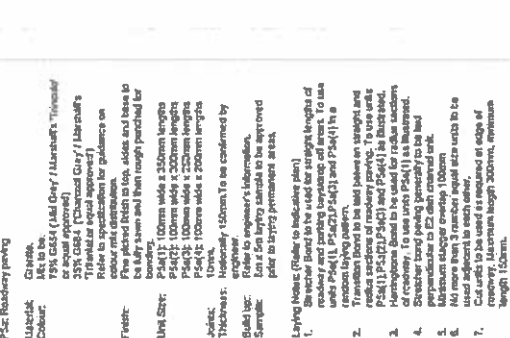
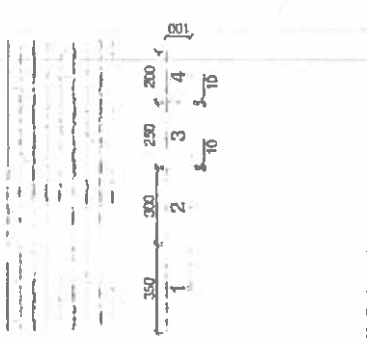
P4: Register Square 'Scoutmoor' Yorkstone paving
 Material: Scoutmoor
 Colour: Natural, as supplied.
 Finish: Diamond sawn.
 Unit Size: 100mm x 100 - 600mm
 200mm x 400 - 600mm
 500mm x 400 - 600mm
 Thickness: 40mm, 45mm, 60mm. To be confirmed by engineer.
 Build up: Refer to engineer's details.
 Sample: Laying sample to full width of roadway paving joints as approved prior to laying pavement at site.

Laying Notes:
 1. Minimum stagger overlap 100mm.
 2. Where installed around street furniture, paving to be cut to provide a three joint lap.
 3. All joints to be staggered.
 4. Seams to be staggered between adjacent lanes.
 5. No protrusive features to be repeated within the 12m x 12m.
 6. Diagonal hatching can not be permitted.

NB. To be read in conjunction with General Paving Notes.

Scale: 1:200

Sheet DT503



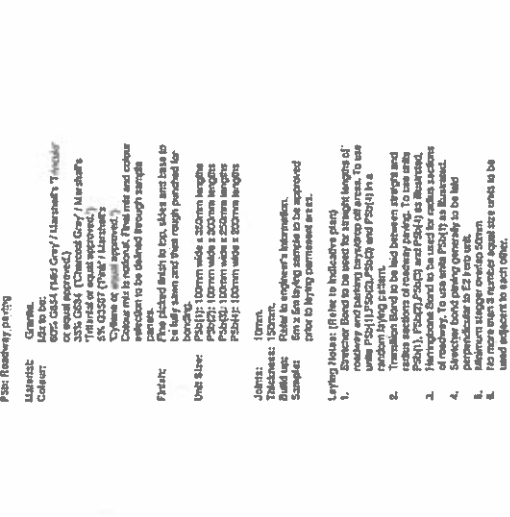
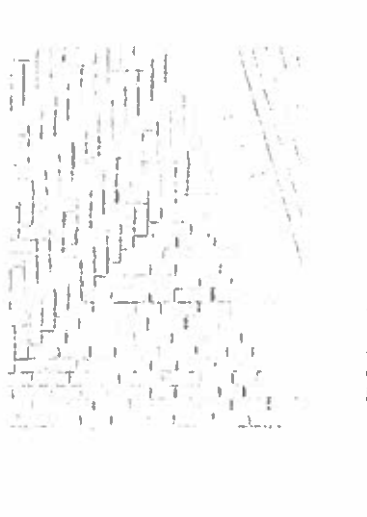
P5a/b: Contemporary granite sets
 Material: Granite
 Colour: 75% G54 (Lil Grey / Marquise's Typically) 25% G54 (Charcoal Grey / Marquise's) (Tinted or equal approved)
 Finish: Refer to specification for guidance on stone.
 Unit Size: 100mm wide x 200mm lengths
 100mm wide x 200mm lengths
 100mm wide x 200mm lengths
 Thickness: 15mm, 20mm, 25mm. To be confirmed by engineer.
 Build up: Refer to engineer's information.
 Sample: Lay 2 sets laying sample to be approved prior to laying pavement at site.

Laying Notes:
 1. Structure Board to be used for straight lengths of roadway and for lengths of 10m or less. To use with P5a (100x200) and P5b (1) to be used for lengths of 10m or more.
 2. Transition Board to be used between straight and radius sections of roadway. To use with P5a (1) and P5b (1) as illustrated.
 3. Maximum stagger overlap 100mm.
 4. No more than 3 random equal size sets to be used adjacent to each other.
 5. No more than 3 random equal size sets to be used adjacent to each other.
 6. No more than 3 random equal size sets to be used adjacent to each other.
 7. Minimum length 150mm.

NB. To be read in conjunction with General Paving Notes.

Scale: 1:200

Sheet DT503



P5a/b: Roadway paving
 Material: Granite
 Colour: 75% G54 (Lil Grey / Marquise's Typically) 25% G54 (Charcoal Grey / Marquise's) (Tinted or equal approved)
 Finish: Refer to specification for guidance on stone.
 Unit Size: 100mm wide x 200mm lengths
 100mm wide x 200mm lengths
 100mm wide x 200mm lengths
 Thickness: 15mm, 20mm, 25mm. To be confirmed by engineer.
 Build up: Refer to engineer's information.
 Sample: Lay 2 sets laying sample to be approved prior to laying pavement at site.

Laying Notes:
 1. Structure Board to be used for straight lengths of roadway and for lengths of 10m or less. To use with P5a (1) and P5b (1) as illustrated.
 2. Transition Board to be used between straight and radius sections of roadway. To use with P5a (1) and P5b (1) as illustrated.
 3. Maximum stagger overlap 100mm.
 4. No more than 3 random equal size sets to be used adjacent to each other.
 5. No more than 3 random equal size sets to be used adjacent to each other.
 6. No more than 3 random equal size sets to be used adjacent to each other.
 7. Minimum length 150mm.

NB. To be read in conjunction with General Paving Notes.

Scale: 1:200

Sheet DT503



P5a/b: Roadway paving
 Material: Granite
 Colour: 75% G54 (Lil Grey / Marquise's Typically) 25% G54 (Charcoal Grey / Marquise's) (Tinted or equal approved)
 Finish: Refer to specification for guidance on stone.
 Unit Size: 100mm wide x 200mm lengths
 100mm wide x 200mm lengths
 100mm wide x 200mm lengths
 Thickness: 15mm, 20mm, 25mm. To be confirmed by engineer.
 Build up: Refer to engineer's information.
 Sample: Lay 2 sets laying sample to be approved prior to laying pavement at site.

Laying Notes:
 1. Structure Board to be used for straight lengths of roadway and for lengths of 10m or less. To use with P5a (1) and P5b (1) as illustrated.
 2. Transition Board to be used between straight and radius sections of roadway. To use with P5a (1) and P5b (1) as illustrated.
 3. Maximum stagger overlap 100mm.
 4. No more than 3 random equal size sets to be used adjacent to each other.
 5. No more than 3 random equal size sets to be used adjacent to each other.
 6. No more than 3 random equal size sets to be used adjacent to each other.
 7. Minimum length 150mm.

NB. To be read in conjunction with General Paving Notes.

Scale: 1:200

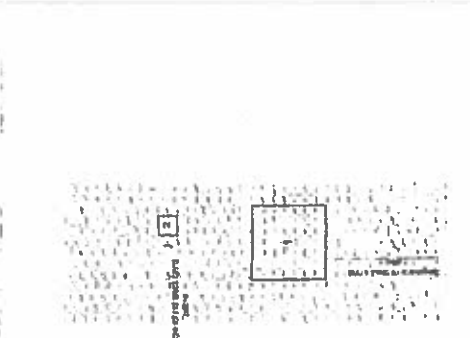
Sheet DT503

NOTE:
 ALL PAVING PROPOSALS TO BE SUBMITTED TO THE EDINBURGH LOCAL OFFICERS INCLUDING ROADS CONSTRUCTION CONSENT CITY CENTRE MANAGER PRIOR TO PROCEEDING.

NOTES

1. The drawings are to be read in conjunction with the contract documents.
2. All dimensions are in millimeters unless otherwise stated.
3. All materials and workmanship shall conform to the specifications and standards of the City of Edinburgh Council.
4. The contractor shall be responsible for obtaining all necessary permits and approvals.
5. The contractor shall be responsible for the safety of the site and the public.

NOTE:
ALL PAVING PROPOSALS TO BE APPROVED BY CITY OF EDINBURGH COUNCIL OFFICERS INCLUDING ROADS DIVISION, HIGHWAYS DIVISION, CITY CENTRE MANAGER, PRIOR TO PROCUREMENT.



P7b: Tropic Granite 75-80mm Cropped cubes
(Stacked bond)
Cubes laid in stack bond to form 2 cubic meter frame of 2 cubic meter cubes with other materials material.

Adjacent rows joints to be staggered. Direction of stack bond to run with the longest dimension with adjacent materials. Joints to be staggered with other materials. Joints to be staggered with other materials. Joints to be staggered with other materials.

1. Typical 800 x 800 recessed service cover. Single stack bond row adjacent to cover. Cover to be finished out with an 800 x 800 recessed service cover. Cover to be finished out with an 800 x 800 recessed service cover. Cover to be finished out with an 800 x 800 recessed service cover.
2. Typical 1500x1500 service cover. Single stack bond row adjacent to cover. Cover to be finished out with an 1500 x 1500 recessed service cover. Cover to be finished out with an 1500 x 1500 recessed service cover. Cover to be finished out with an 1500 x 1500 recessed service cover.

General service cover note. They must be finished with a cover with a polyethylene joint between heavy paving and cover material. Polyethylene joint also to be used between adjacent covers. Standard and recessed covers are located within paved area.

P7b
Sheet
DT1504

P7b: Cropped granite cubes
Scale: 1:200 @ A1

Client: TMA Henderson Real Estate
Project: Edinburgh S1-James
Drawing title: Public Realm S1-James District 04 - Paving
STAGE 3
Date: 21 June 2016
Prepared by: ELSPORTECH-DL-07154
Checked by: [Signature]
Approved by: [Signature]



P7c: Tropic Granite 75-80mm cropped cubes (Bogies Pattern)
Cubes laid in stack bond to form 2 cubic meter frame of 2 cubic meter cubes with other materials material.

All service covers and covers to be accurately set out for approval prior to laying.
Covers to be graded to achieve even surface. Granite cubes to be laid from the center of the cover. Granite cubes to be laid from the center of the cover. Granite cubes to be laid from the center of the cover.

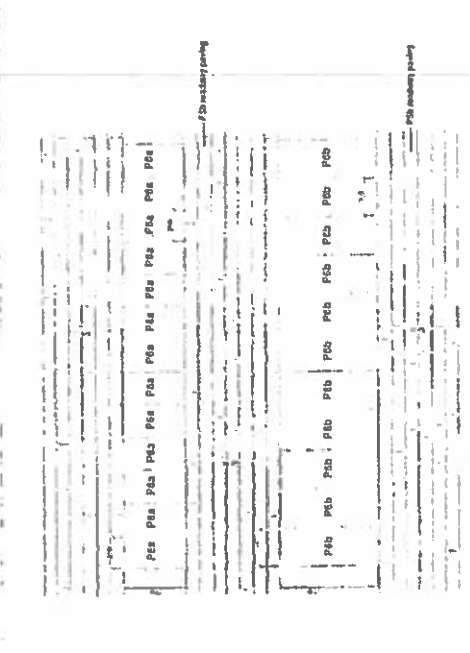
1. Typical recessed service cover. Single stack bond row adjacent to cover. Cover to be finished out with an 800 x 800 recessed service cover. Cover to be finished out with an 800 x 800 recessed service cover. Cover to be finished out with an 800 x 800 recessed service cover.
2. Typical 1500x1500 service cover. Single stack bond row adjacent to cover. Cover to be finished out with an 1500 x 1500 recessed service cover. Cover to be finished out with an 1500 x 1500 recessed service cover. Cover to be finished out with an 1500 x 1500 recessed service cover.

General service cover note. They must be finished with a cover with a polyethylene joint between heavy paving and cover material. Polyethylene joint also to be used between adjacent covers. Standard and recessed covers are located within paved area.

P7a
Sheet
DT1504

P7a: Cropped granite cubes
Scale: 1:200 @ A1

This is one of the CEC Growth Assets plans referred to in Schedule 8 of the foregoing Growth Accelerator Model Agreement among the City of Edinburgh Council, St James Edinburgh Limited, Cetza Trustees 3 Limited and Cetza Trustees 4 Limited dated 21 June 2016



P8: S1-James Square edge band
Material: Granite
Color: [Color]
Finish: [Finish]
Unit Size: 1000mm wide x 800mm length
Joint: 10mm
Thickness: 15mm
Basis: To be included in S150 sample panel
Supplier: [Supplier]

Laying Notes:
1. Feature paving bands to be laid stack bond as illustrated.
2. Cover units to be used as illustrated as necessary. 1/2" shape cast in place.

1. Feature paving bands to be laid stack bond as illustrated.
2. Cover units to be used as illustrated as necessary. 1/2" shape cast in place.
3. All pavements with vertical elements and other paving units to use a flush address steel edge and form finish part.

NR. To be read in conjunction with General Paving Notes.

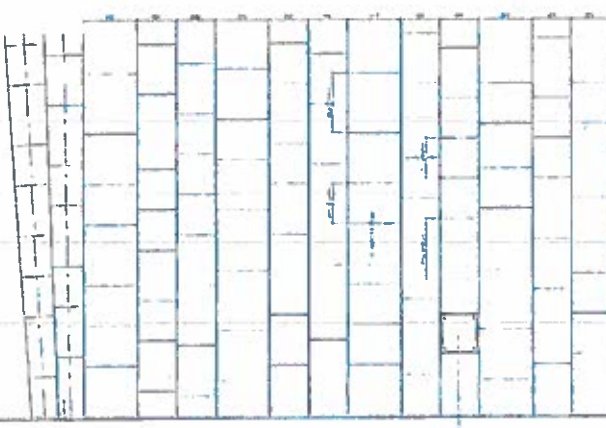
P8
Sheet
DT1504

P8: S1-James Square edge band
Scale: 1:200 @ A1

Client: TMA Henderson Real Estate
Project: Edinburgh S1-James
Drawing title: Public Realm S1-James District 04 - Paving
STAGE 3
Date: 21 June 2016
Prepared by: ELSPORTECH-DL-07154
Checked by: [Signature]
Approved by: [Signature]

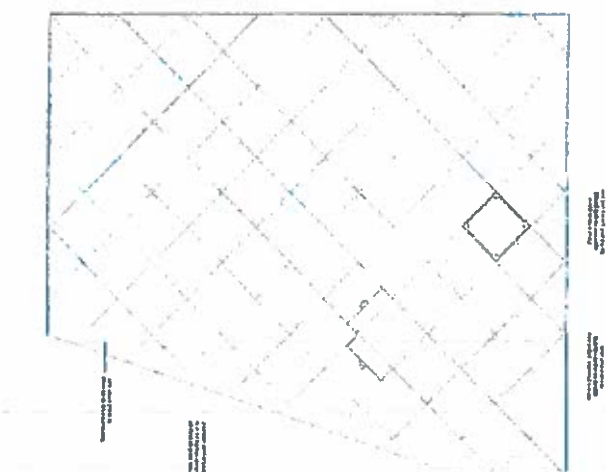
10a: Terrace Paving
 Scale: 1:150
 Date: 21 June 2016

P10a: Terrace Paving
 Scale: 1:150



10a: Terrace Paving
 Scale: 1:150
 Date: 21 June 2016

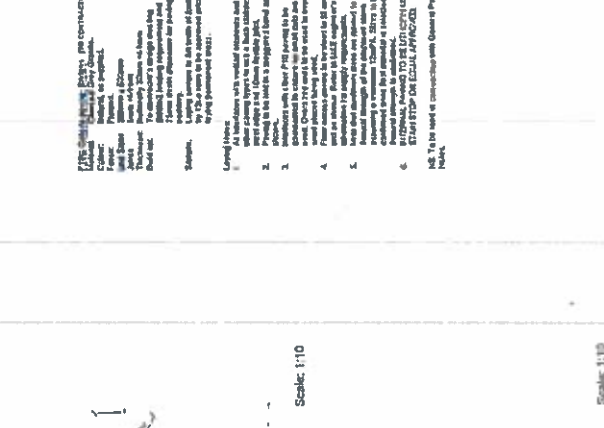
10b: Galleria paving food court
 Scale: 1:250



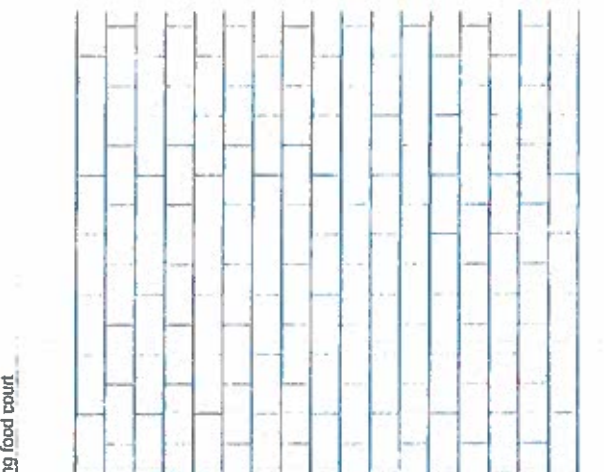
10b: Galleria paving food court
 Scale: 1:250

P10a: Galleria paving bridges
 Scale: 1:250

P10a: Galleria paving bridges
 Scale: 1:250



P10a: Galleria paving bridges
 Scale: 1:250



P10b: Galleria paving food court
 Scale: 1:250

STAGE 3

Public Realm: St James
 District: OS-Paving

Edinburgh St James

OP
 CONSULT ENGINEER

21 June 2016

P10a: Terrace Paving
 Scale: 1:150

P10a: Terrace Paving
 Scale: 1:150

P10c
 Scale: 1:250

P10a: Galleria paving bridges
 Scale: 1:250

P10b: Galleria paving food court
 Scale: 1:250

STAGE 3

Public Realm: St James
 District: OS-Paving

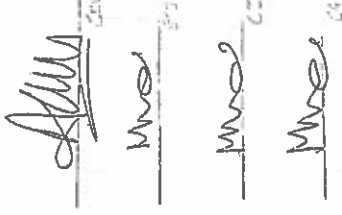
Edinburgh St James

OP
 CONSULT ENGINEER

21 June 2016

1. The work is to be carried out in accordance with the relevant parts of the Building Regulations and the relevant standards mentioned herein.
 2. The work is to be carried out in accordance with the relevant parts of the Building Regulations and the relevant standards mentioned herein.
 3. The work is to be carried out in accordance with the relevant parts of the Building Regulations and the relevant standards mentioned herein.
 4. The work is to be carried out in accordance with the relevant parts of the Building Regulations and the relevant standards mentioned herein.
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 8. The work is to be carried out in accordance with the relevant parts of the Building Regulations and the relevant standards mentioned herein.
 9. The work is to be carried out in accordance with the relevant parts of the Building Regulations and the relevant standards mentioned herein.
 10. The work is to be carried out in accordance with the relevant parts of the Building Regulations and the relevant standards mentioned herein.

This is one of the CEC Growth Assets plans referred to in Schedule 8 of the foregoing Growth Accelerator Model Agreement among the City of Edinburgh Council, St James Edinburgh Limited, Ceiza Trustees 3 Limited and Ceiza Trustees 4 Limited dated 21 JULY 2016



Project No:
 Date:
 Drawing No:
 Scale:
 Status:
 Design:
 Checked:
 Drawn:
 Title:

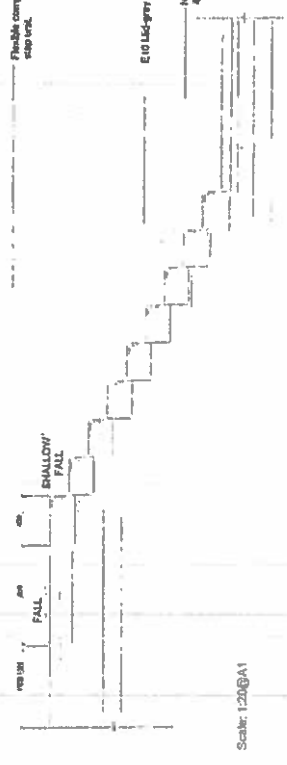
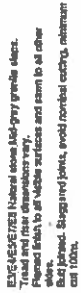
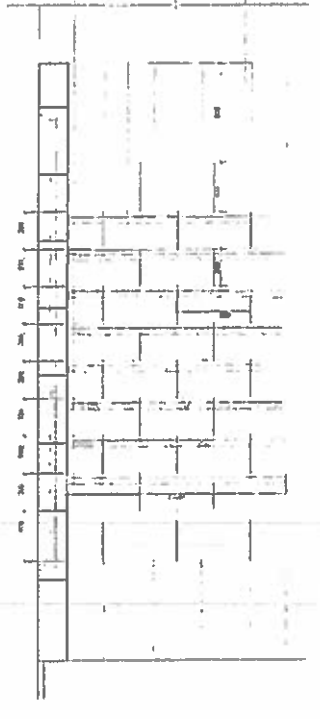
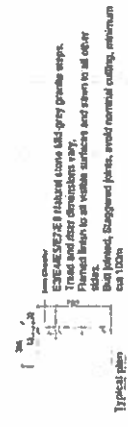
OP
 completed environments

Client: **TMA Henderson Rise Estate**
 Project: **Edinburgh Studios**

Drawing No:
 Public Realm: **St James**
 Details: **08-Steps**

STAGE 3
 No. of Sheets:
 Sheet No:

Drawn by: **ES-LOPE-05-DR-LA-01509**
 Scale: **B**



E3/E4/E5/E6/E7/E8 : Granite steps
 Scale: 1:20 @ A1
 Stone type: G684 (Red Grey) Granite's Triangular or equal approved granite steps. Steps to have 10mm bevel to leading edge. Stone like G684 (Charcoal grey) cover using strip fixed flush into top surface of tread 30mm back from leading edge. Finish to be finished.
 Laying: Steps to be laid in random lengths between 600mm - 900mm. Overlap between units in adjacent rises to be min. 150mm.
 Joints: 2mm void between adjacent step units, joint joints between each rise.
 Supporting structure and foundations to Engineers' Information.
ALL UNITS TO BE COATED WITH PROTECTANT/UF OR EQUAL APPROVED.

E3: 300mm bed x 150 x 170mm rise
 E4: 300mm bed x 145 x 170mm rise
 E5: 300mm bed x 150 x 170mm rise
 E6: 300mm bed x 150 x 170mm rise
 E7: 300mm bed x 150 x 170mm rise
 E8: 300mm bed x 150mm rise
Typical step unit dimensions

Natural stone PBR secondary paving
 400x400x20mm

Natural stone charcoal grey granite wearing strip.
 Refer to E3/E4/E5/E6/E7/E8 public realm drawings for further information.

E3/E4/E5/E6/E7/E8: Granite steps
 Scale: 1:20 @ A1

1. This drawing is to be used in conjunction with the contract documents.
 2. All dimensions are in millimeters unless otherwise stated.
 3. All dimensions are to be taken to the centerline of the member unless otherwise stated.
 4. All dimensions are to be taken to the finished surface unless otherwise stated.
 5. All dimensions are to be taken to the centerline of the member unless otherwise stated.
 6. All dimensions are to be taken to the finished surface unless otherwise stated.
 7. All dimensions are to be taken to the centerline of the member unless otherwise stated.
 8. All dimensions are to be taken to the finished surface unless otherwise stated.

W2a: Stainless steel handrail with mild steel supporting frame, (no contraction easing)
 Height: 800mm to top of handrail.
 Handrail: 30mm diameter, 3.0mm wall thickness CHS handrail.
 Handrail mount: 100mm diameter solid bar 'set' to accept handrail.
 Spigot to be 150mm x 20mm angle with 25mm radius 90 degree chamfered end. Mounting plate fixed to wall.
 Mounting plate to be fabricated in accordance with the following details.
 Treatment and finish: 316 grade stainless steel with satin finish to all exposed surfaces.

W2b: Mild steel bench SLJames Square
 Height: 800mm to top of handrail.
 Handrail: 30mm diameter, 3.0mm wall thickness CHS handrail.
 Handrail mount: 100mm diameter solid bar 'set' to accept handrail.
 Spigot to be 150mm x 20mm angle with 25mm radius 90 degree chamfered end. Mounting plate fixed to wall.
 Mounting plate to be fabricated in accordance with the following details.
 Treatment and finish: 316 grade stainless steel with satin finish to all exposed surfaces.

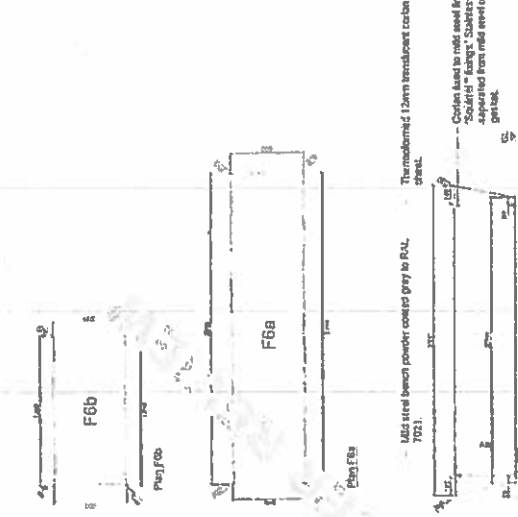


W2b: Wall mounted stainless steel handrail.
 Sheet: 1200A1
 DT309

W2a: Stainless steel handrail with mild steel frame.
 Sheet: 1200A1
 DT309

This is one of the CBC Growth Assets plans referred to in Schedule 8 of the foregoing Growth Accelerator Model Agreement among the City of Edinburgh Council, St James Edinburgh Limited, Cetza Trustees 3 Limited and Cetza Trustees 4 Limited dated 21 June 2016

W2c: Mild steel bench SLJames Square
 Sheet: 1200A1
 DT309



W2c: Mild steel bench SLJames Square
 Sheet: 1200A1
 DT309

This is one of the CBC Growth Assets plans referred to in Schedule 8 of the foregoing Growth Accelerator Model Agreement among the City of Edinburgh Council, St James Edinburgh Limited, Cetza Trustees 3 Limited and Cetza Trustees 4 Limited dated 21 June 2016

W2d: Mild steel bench SLJames Square
 Sheet: 1200A1
 DT309



W2d: Mild steel bench SLJames Square
 Sheet: 1200A1
 DT309

OP
 Operational Performance
 TMA Henderson Real Estate
 Edinburgh SLJames
 Public Realm: SLJames
 Dupella 09
 STAGE 3
 21 June 2016

Signed: [Signature]
 Signed: [Signature]
 Signed: [Signature]

F4: Bench with backrest, 1200mm x 450mm x 100mm
 Bench type: G454 (1200 Grey) Maxwells Triangular or equal approved grade benches with honed finish. All perimeter edges to have a 10mm radius applied.

Notes: Bench to have stainless steel 'rod star' base installed into slots cut into top face of bench to ensure indicated on drawings. To be formed from 10mm thick 316 grade stainless steel with main shaft. All edges to be finished. Epoxy sand ramp some with 200 10mm radii bars welded to 10mm plate.

Finish: For all edges and foundation information refer to engineer's information. Benches to be set to fall perpendicular to the ground fall.

Notes: Benches to have recessed cast-iron base to sit in installation. Recess to be 100mm wide x 75mm deep.

3 different length variations are formed from 200 diameter rods as illustrated.

ALL GRANITE BENCHES TO BE COATED WITH PROTECTOQUARD FT OR EQUAL APPROVED.

This is one of the CEC Growth Assets plans referred to in Schedule 8 of the foregoing Growth Accelerator Model Agreement among the City of Edinburgh Council, St James Edinburgh Limited, Cetza Trustees 3 Limited and Cetza Trustees 4 Limited dated 21 June 2016

21 June 2016

CEC

ST

F4: Modular linear bench
 Scale: 1:200@A1

F5: Granite seating plinth (St James Square)

Bench type: G454 (1200 Grey) Maxwells Triangular or equal approved grade seating plinth with honed finish. All perimeter edges to have a 10mm radius applied.

Notes: Bench to have stainless steel 'rod star' base installed into slots cut into top face of plinth to ensure indicated on drawings. To be formed from 10mm thick 316 grade stainless steel with main shaft. All edges to be finished. Epoxy sand ramp some with 200 10mm radii bars welded to 10mm plate.

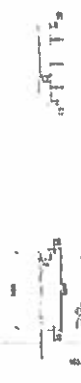
Finish: For all edges and foundation information refer to engineer's information. Benches to be set to fall perpendicular to the ground fall.

CE

CE

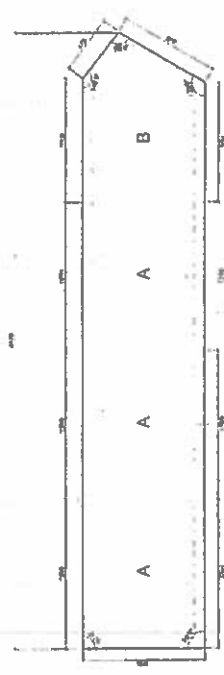
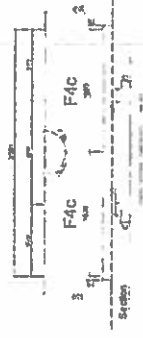
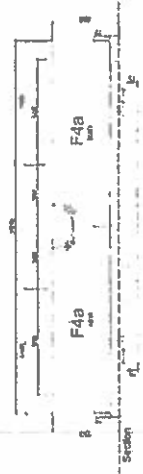
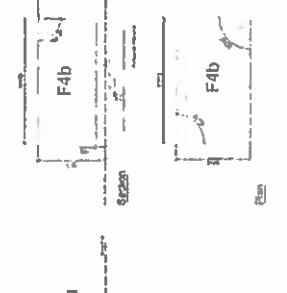
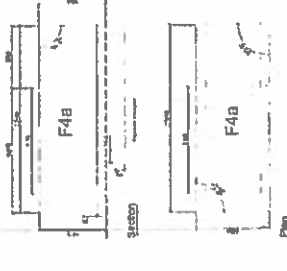
F5: Seating plinth James Craig Walk
 Scale: 1:200@A1

F5
 Street
 DT510

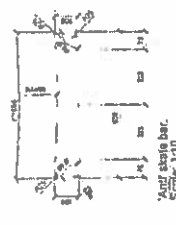


Front and elevation

Typical section (both end views)



Section elevation



100mm cast iron base. Scale: 1:10

- 1. All drawings shall be prepared in accordance with the British Standard BS 1192:2011.
- 2. All drawings shall be prepared in accordance with the British Standard BS 1192:2011.
- 3. All drawings shall be prepared in accordance with the British Standard BS 1192:2011.
- 4. All drawings shall be prepared in accordance with the British Standard BS 1192:2011.
- 5. All drawings shall be prepared in accordance with the British Standard BS 1192:2011.

Handwritten signature

Handwritten signature

1	Issue No.	01
2	Issue Date	01/06/2016
3	Issue Description	Final

OP
 Approved Environment

Client: TMA Henderson Retail Estate
 Project: Edinburgh St James

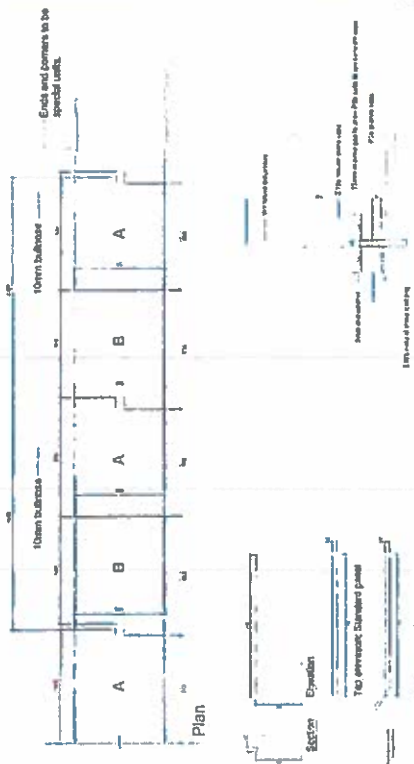
Project No: Public Realm St James Details 10

STAGE 3	
Drawn	12/01/16
Checked	12/01/16
Approved	12/01/16
Issue No	01
Issue Date	01/06/2016

Document No: ES-PR-DET-UR-LA-DT510

E10a: Natural stone cope
 Material: G654 (Fluo Grey) Marazzi's
 Finish: Trowel or equal approval.
 Field: Typically staggered units to lay.
 Unit Size: 1200mm x 500mm white.
 Joints: 2mm x 4mm
 Thickness: 20mm
 Note: Refer to engineer's information.
 Fixings: To be confirmed by engineer.

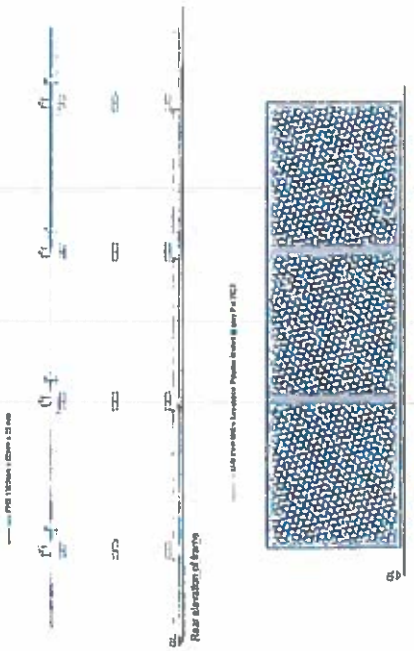
E10b: Glass cladding panel
 Glass type: G654 (Fluo Grey) Marazzi's
 Finish: Trowel or equal approval.
 Size: 1200mm x 1000mm
 Thickness: 40mm
 Note: Refer to engineer's information.
 Joint: To be confirmed by engineer.
 Fixings: To be confirmed by engineer.
 Cladding: All cladding panels to be sealed.



E10
E10a/b: Natural stone cope
 Scale: 1:20@A1
 DTG11

W1: Lattice Balustrade
 Material: Mild steel frame with mild steel
 Finish: Powder coated grey to RAL 7021.
 Profile: Powder coated.
 Unit Size: 1200mm x 1070mm
 Thickness: Panel thickness preferably 5mm. To be confirmed by engineer.
 Note: Refer to engineer's information.
 Fixings: To be confirmed by engineer prior to installation.

Notes:
 1. Units to be set in plan to match access created by existing copes as illustrated.

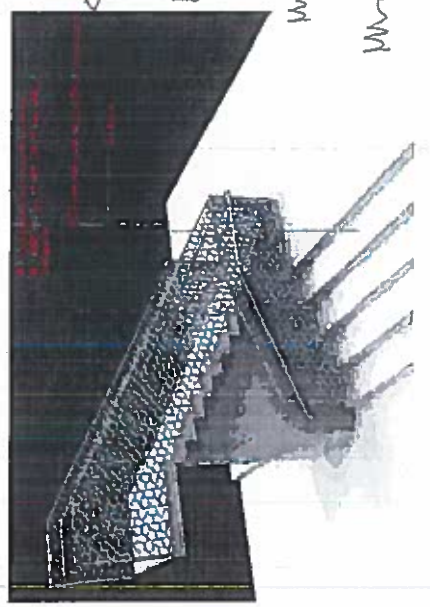


W1a
W1: Lattice balustrade (to contractor design)
 Scale: 1:20@A1
 DTG11

This is one of the CEC Growth Assets plans referred to in Schedule 8 of the foregoing Growth Accelerator Model Agreement among the City of Edinburgh Council, St James Edinburgh Limited, Cetza Trustees 3 Limited and Cetza Trustees 4 Limited dated **21 June 2016**

W1b: Lattice balustrade to approved E10 and E10a/b drawings
 Description: W1b lattice balustrade with W2 stainless steel
 Material: Mild steel frame with mild steel panels.
 Size: 318mm x 1070mm
 Finish: Powder coated grey to RAL 7021.
 Unit Size: To be confirmed by engineer.
 Thickness: Panel thickness to be confirmed by engineer.
 Note: Refer to engineer's information.
 Fixings: To be confirmed by engineer prior to installation.

E10 10mm balustrade
W1b Lattice balustrade round
W2 stainless steel



W1b: Lattice balustrade (to contractor design)
 Scale: 1:20@A1
 DTG11

It is acknowledged that the information contained in this drawing is for information only and does not constitute a contract. The information is provided as a guide only and is subject to change without notice. The information is provided as a guide only and is subject to change without notice. The information is provided as a guide only and is subject to change without notice.

Drawn by: **W1b**
 Checked by: **W1b**
 Date: **21 June 2016**
 Project: **Public Realm - St James**
 Details: **11**
 Stage: **3**
 Scale: **1:20@A1**
 DTG11

Granite retaining block: E6

Stone type: G683 (Chacabuco grey / Crystal Black) Granite with honed finish to all exposed faces. All primers edges to have a 10mm radius applied.

- Size:**
- Typical size with 600mm (with 500mm) spacing - refer to General Arrangements for blocks
 - Typical depth 150mm. To form maximum height of 600mm above ground level.
 - Typical length varies to co-ordinate with corner and end supports.

Specs:

• Spread bricks required for all corners, ends and units adjoining walls.

• Joints: Joints filled with neoprene pad inset where blocks meet.

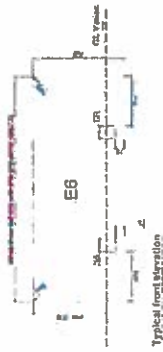
For all survey and foundation information refer to specification and separate details.

Notes: BENCHES TO HAVE RECESSES ON TOP BEZEL TO FIT IN INSTALLATION. RECESSES TO BE 100mm wide x 75mm deep.

ALL UNITS TO BE COATED.



Typical section



Typical front elevation

E6 Granite retaining block

Sheet: DT312 Scale: 1:20@A1

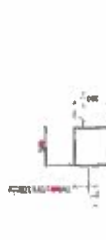
Granite step to E6:

Stone type: Stone type and finish to match E4 depth. E11 slip to have no velocity slip.

- Size:**
- Step profile to match E4 steps
 - Typical unit width 300mm
 - Typical depth of unit 300mm (Horizontal depth of unit 300mm)
 - Typical step level length 1650mm

For all survey and foundation information refer to specification and separate details.

ALL UNITS TO BE COATED.



Typical section

E11 Granite step to E6

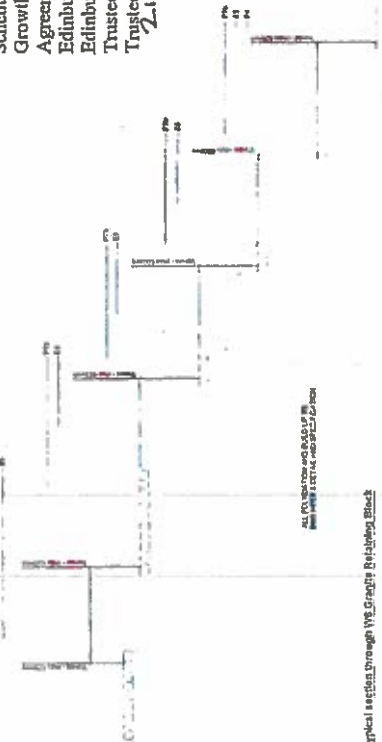
Sheet: DT312 Scale: 1:20@A1

E6 Granite retaining block typical section

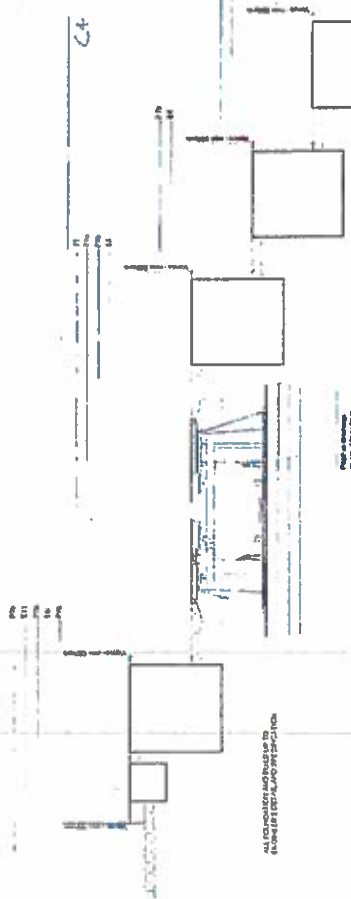
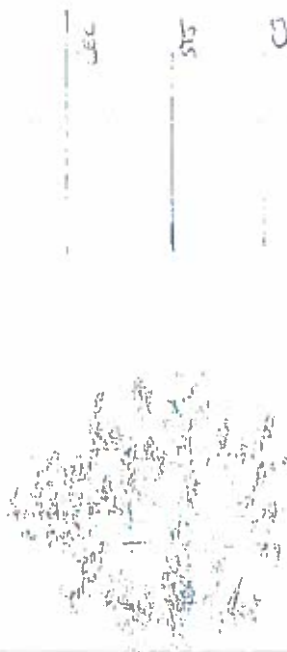
Sheet: DT312 Scale: 1:20@A1

Typical section through 1/8 Granite Retaining Block with Tree

This is one of the CEC Growth Assets plans referred to in Schedule 8 of the foregoing Growth Accelerator Model Agreement among the City of Edinburgh Council, St James Edinburgh Limited, Cetza Trustees 3 Limited and Cetza Trustees 4 Limited dated 21 June 2016



Typical section through 1/8 Granite Retaining Block



Typical section through 1/8 Granite Retaining Block with Tree

NOTES

1. All work shall be in accordance with the current edition of the relevant British Standards.
2. All work shall be in accordance with the current edition of the relevant British Standards.
3. All work shall be in accordance with the current edition of the relevant British Standards.
4. All work shall be in accordance with the current edition of the relevant British Standards.
5. All work shall be in accordance with the current edition of the relevant British Standards.
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7. All work shall be in accordance with the current edition of the relevant British Standards.
8. All work shall be in accordance with the current edition of the relevant British Standards.
9. All work shall be in accordance with the current edition of the relevant British Standards.
10. All work shall be in accordance with the current edition of the relevant British Standards.



Drawn by: TIAA Henderson Real Estate
 Project: Edinburgh S.L.James
 Client: Public Rector of S.L.James
 Details: 12
 Date: 12/06/2016
 Scale: 1:20@A1
 Sheet: DT312
 Project: ESLOPE DETAIL A-DT312
 Rev: B

Typical tree pit detail

This is one of the CEC Growth Assets plans referred to in Schedule 8 of the foregoing Growth Accelerator Model Agreement among the City of Edinburgh Council, St James Edinburgh Limited, Cetza Trustees 3 Limited and Cetza Trustees 4 Limited dated 21 June 2016

F7a Tree Grids + Frames/Castor 1500mm x 1500mm square grids with square aluminium frames, stainless steel fittings and powder coated to RAL 7021 grey.

NLB Tree grids type dependent on location refer to GAN's for exact locations.

Gravel layer 50mm layer of P5 gravel to top of tree pit below tree grids.

Irrigation and aeration: RootCabs Probed Irrigation System, 6m square, 1500mm x 1500mm square grids with square aluminium frames, stainless steel fittings and powder coated to RAL 7021 grey.

Gravel layer: 200mm clean stone layer to be provided surrounding Atrion root aeration/irrigation PPS.

Claying system: Heavy duty energy strapped anchor system with 40mm x 40mm x 10mm stainless steel anchors.

Root barrier: Root Director, large, modular root barrier system. Concrete number 20 to be used to wrap.

RootCabs: Heavy duty 150 x 150mm.

RootCabs 12 modules square x 4 modules deep with 8 x 8 x 4 modules void formed under Root Director. Loaded media with tree draining lag rock.

Twin wall grout: Twin wall grout is placed over top of RootCabs.

Drainage: All individual tree pits to be connected as indicated on GA drawings.

Topsoil basket: Approved layered topsoil with amendments as indicated on GA drawings to be provided to the tree pit.

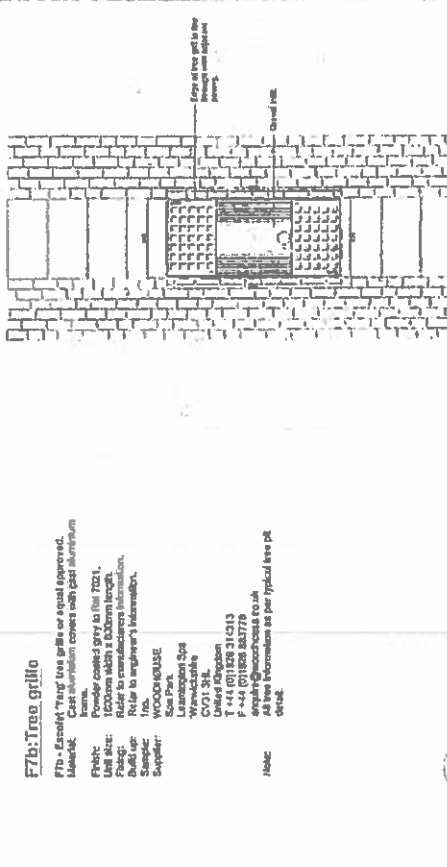
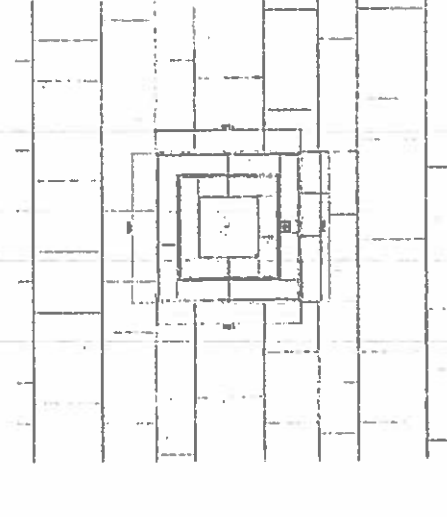
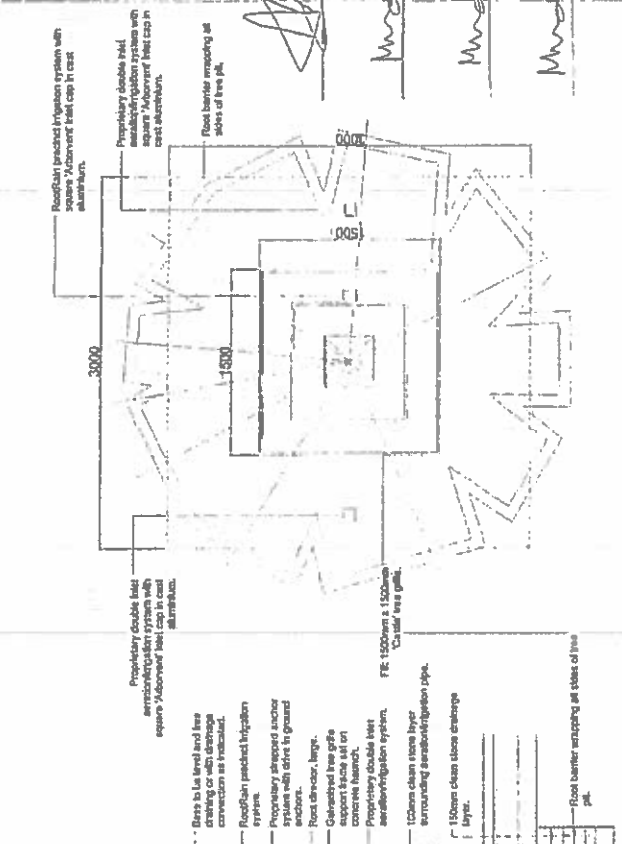
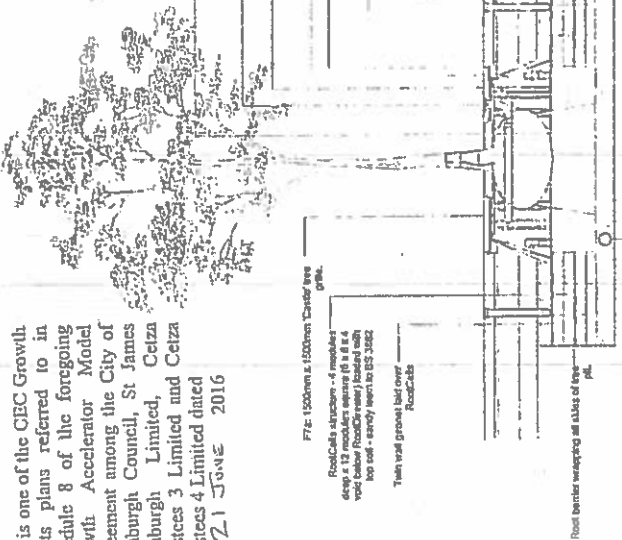
Root to distribution for further information.

F7a Tree grille
Scale: 1:250A1

F7a Tree grille
Material: 40mm steel double tray or equal approved.
Finish: Galvanneal to BS EN 10346 L5 1509 and powder coated to RAL 7021.
Use size: 1500mm width x 1500mm length.
Finish: Stainless steel fittings.
Build up: Refer to engineer's information.
Supplier: GreenBlue Urban
Haywood Way
Huddersfield
West Yorkshire
HD5 4PL
www.greenblueurban.com

Note: All tree information as per typical tree pit detail.

F7a tree grille
Scale: 1:250A1



Scale for: 0 5 10m

DATE: 02/07/2016

PROJECT: TMA Henderson Reed Estate

CLIENT: Public RealmSI James Districts 13

STAGE: STAGE 3

DESIGNER: ESCAPEFORLAND

F7b Tree grille
Scale: 1:250A1

F7a tree grille
Scale: 1:250A1

F7b Tree grille
Material: Castor aluminium coated steel post distribution frame.
Finish: Powder coated grey to RAL 7021.
Use size: 1500mm width x 1500mm length.
Build up: Refer to engineer's information.
Supplier: WOODHOUSE
Lanarkshire
CV91 3HL
T +44 (0)1828 314313
F +44 (0)1828 383778
enquiries@woodhouse.co.uk
All tree information as per typical tree pit detail.

F7a tree grille
Scale: 1:250A1

F7a tree grille
Scale: 1:250A1

This is one of the CEC Growth Assets plans referred to in Schedule 8 of the foregoing Growth Accelerator Model Agreement among the City of Edinburgh Council, Sr James Edinburgh Limited, Celza Trustees 3 Limited and Celza Trustees 4 Limited dated 21 June 2016

1. This drawing is to be used in accordance with the following information:
 2. It is the responsibility of the contractor to ensure that the design is fully understood and that any necessary amendments are made before construction begins.
 3. The contractor shall ensure that the design is fully understood and that any necessary amendments are made before construction begins.
 4. The contractor shall ensure that the design is fully understood and that any necessary amendments are made before construction begins.
 5. The contractor shall ensure that the design is fully understood and that any necessary amendments are made before construction begins.



Typical section

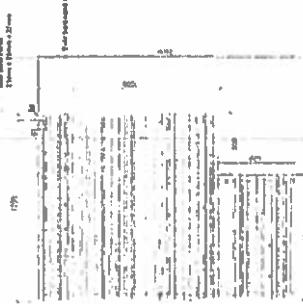
W5: Stainless Steel Planter
 Scale: 1:20@A1

W5: Residential Screens
 Scale: 1:20@A1

W3: Low Granite clad planter
 Scale: 1:20@A1

W5: Residential Screens
 Scale: 1:20@A1

W3: Low Granite clad planter
 Scale: 1:20@A1



Typical section

W3: Low Granite clad planter
 Scale: 1:20@A1

W3: Low Granite clad planter
 Scale: 1:20@A1

W3: Low Granite clad planter
 Scale: 1:20@A1

Handwritten signatures and initials: *AMAS*, *Mue*, *Mue*, *Mue*

1	Issue 1	1/14/16	OP
2	Issue 2	1/14/16	OP
3	Issue 3	1/14/16	OP
4	Issue 4	1/14/16	OP
5	Issue 5	1/14/16	OP
6	Issue 6	1/14/16	OP
7	Issue 7	1/14/16	OP
8	Issue 8	1/14/16	OP
9	Issue 9	1/14/16	OP
10	Issue 10	1/14/16	OP
11	Issue 11	1/14/16	OP
12	Issue 12	1/14/16	OP
13	Issue 13	1/14/16	OP
14	Issue 14	1/14/16	OP
15	Issue 15	1/14/16	OP
16	Issue 16	1/14/16	OP
17	Issue 17	1/14/16	OP
18	Issue 18	1/14/16	OP
19	Issue 19	1/14/16	OP
20	Issue 20	1/14/16	OP
21	Issue 21	1/14/16	OP
22	Issue 22	1/14/16	OP
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97	Issue 97	1/14/16	OP
98	Issue 98	1/14/16	OP
99	Issue 99	1/14/16	OP
100	Issue 100	1/14/16	OP

Public Realm: St James
 Details: 14
 STAGE 3
 21 June 2016
 ES-LOPE-DET-03-A-DTS14 B

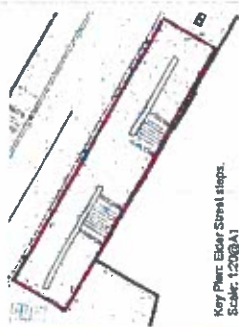
1. The drawings shall be prepared in accordance with the standards of the Institution of Structural Engineers (I.S.E.) and the Institution of Civil Engineers (I.C.E.).

2. The drawings shall be prepared in accordance with the standards of the Institution of Structural Engineers (I.S.E.) and the Institution of Civil Engineers (I.C.E.).

3. The drawings shall be prepared in accordance with the standards of the Institution of Structural Engineers (I.S.E.) and the Institution of Civil Engineers (I.C.E.).

4. The drawings shall be prepared in accordance with the standards of the Institution of Structural Engineers (I.S.E.) and the Institution of Civil Engineers (I.C.E.).

5. The drawings shall be prepared in accordance with the standards of the Institution of Structural Engineers (I.S.E.) and the Institution of Civil Engineers (I.C.E.).



Note: Works identified in photographs apply to both sets of steps to Elder Street.

Plans to be retained prior to removal work. Contemporary work and materials to be approved by City of Edinburgh Council and Historic Scotland.

Plans of existing retaining wall to be retained with appropriate stabilization treatments and materials to be approved by City of Edinburgh Council and Historic Scotland.

Existing wall to be retained and reinforced with steel mesh.

Existing wall to be retained and reinforced with steel mesh.

Existing steps Elder street
Scale: 1:200(A1)

sheet DT315

Note: The B listed retaining wall forms part of the curbside to the grade 1 listed Register House. Method statements and materials to be approved by City of Edinburgh Council and Historic Scotland.

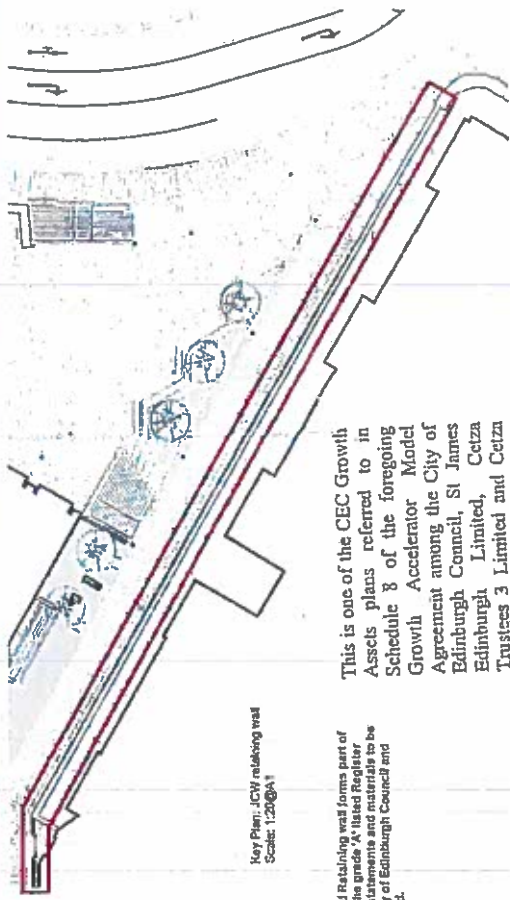
Existing retaining wall to be retained. Plans to be retained prior to removal work. Contemporary work and materials to be approved by City of Edinburgh Council and Historic Scotland.

Existing retaining wall to be retained. Plans to be retained prior to removal work. Contemporary work and materials to be approved by City of Edinburgh Council and Historic Scotland.

Existing retaining wall to JCW
Scale: 1:200(A1)

sheet DT315

NOTE: A FULL SURVEY OF CONDITION AND STRUCTURAL INTEGRITY OF THE REGISTER HOUSE RETAINING WALL IS TO BE CARRIED OUT BY THE WORKS REQUIRED TO THE FULL SCOPE OF THE WORKS. THIS IS TO INCLUDE AN ASSESSMENT OF ITS SUITABILITY AS A RETAINING STRUCTURE SUPPORTING A FIRE TENDER ACCESS ROUTE.



This is one of the CEC Growth Assets plans referred to in Schedule 8 of the foregoing Growth Accelerator Model Agreement among the City of Edinburgh Council, St James Edinburgh Limited, Cetza Trustees 3 Limited and Cetza Trustees 4 Limited dated 21 JUNE 2016

Key Plan: JCW retaining wall
Scale: 1:200(A1)

Existing retaining wall to JCW
Scale: 1:200(A1)

sheet DT315

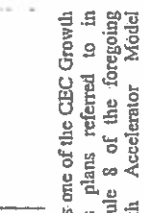


OPD
Edinburgh St James
Public Realm St James
Details 15
STAGE 3
21 JUNE 2016

AW
MS
MS
MS

CEC
ST
G
04

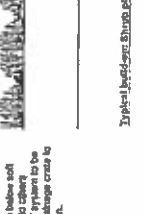
Notes: General topsoil / subsoil notes:
 Topsoil to be placed in layers on top of subsoil. 50mm plastic (poly) cover to be provided to top of each planted layer. 75mm layer of mulch to be provided to top of each planted layer. Topsoil to be placed in layers on top of subsoil and plastic.
 Topsoil to be placed in layers on top of subsoil and plastic. Topsoil to be placed in layers on top of subsoil and plastic. Topsoil to be placed in layers on top of subsoil and plastic.
 Topsoil to be placed in layers on top of subsoil and plastic. Topsoil to be placed in layers on top of subsoil and plastic. Topsoil to be placed in layers on top of subsoil and plastic.
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 Topsoil to be placed in layers on top of subsoil and plastic. Topsoil to be placed in layers on top of subsoil and plastic. Topsoil to be placed in layers on top of subsoil and plastic.



Typical build-ups for shrub planted areas
 Scale: 1:20@A1



Typical build-ups for shrub planted areas
 Scale: 1:20@A1



Typical build-ups for shrub planted areas
 Scale: 1:20@A1

Code	Common name	Form	Block condition	Depth (mm)	Height (mm)	Chin (mm)	Chin (mm)	Height (mm)	Percentage
T1	120mm diam 120mm high	120mm diam	120mm diam	120mm	120mm	120mm	120mm	120mm	10%
T2	150mm diam 150mm high	150mm diam	150mm diam	150mm	150mm	150mm	150mm	150mm	15%
T3	180mm diam 180mm high	180mm diam	180mm diam	180mm	180mm	180mm	180mm	180mm	20%
T4	210mm diam 210mm high	210mm diam	210mm diam	210mm	210mm	210mm	210mm	210mm	25%
T5	240mm diam 240mm high	240mm diam	240mm diam	240mm	240mm	240mm	240mm	240mm	30%
T6	270mm diam 270mm high	270mm diam	270mm diam	270mm	270mm	270mm	270mm	270mm	35%
T7	300mm diam 300mm high	300mm diam	300mm diam	300mm	300mm	300mm	300mm	300mm	40%

Code	Common name	Form	Block condition	Depth (mm)	Height (mm)	Chin (mm)	Chin (mm)	Height (mm)	Percentage
T8	330mm diam 330mm high	330mm diam	330mm diam	330mm	330mm	330mm	330mm	330mm	45%
T9	360mm diam 360mm high	360mm diam	360mm diam	360mm	360mm	360mm	360mm	360mm	50%
T10	390mm diam 390mm high	390mm diam	390mm diam	390mm	390mm	390mm	390mm	390mm	55%
T11	420mm diam 420mm high	420mm diam	420mm diam	420mm	420mm	420mm	420mm	420mm	60%
T12	450mm diam 450mm high	450mm diam	450mm diam	450mm	450mm	450mm	450mm	450mm	65%
T13	480mm diam 480mm high	480mm diam	480mm diam	480mm	480mm	480mm	480mm	480mm	70%
T14	510mm diam 510mm high	510mm diam	510mm diam	510mm	510mm	510mm	510mm	510mm	75%

Code	Common name	Form	Block condition	Depth (mm)	Height (mm)	Chin (mm)	Chin (mm)	Height (mm)	Percentage
T15	540mm diam 540mm high	540mm diam	540mm diam	540mm	540mm	540mm	540mm	540mm	80%
T16	570mm diam 570mm high	570mm diam	570mm diam	570mm	570mm	570mm	570mm	570mm	85%
T17	600mm diam 600mm high	600mm diam	600mm diam	600mm	600mm	600mm	600mm	600mm	90%
T18	630mm diam 630mm high	630mm diam	630mm diam	630mm	630mm	630mm	630mm	630mm	95%
T19	660mm diam 660mm high	660mm diam	660mm diam	660mm	660mm	660mm	660mm	660mm	100%

Code	Common name	Form	Block condition	Depth (mm)	Height (mm)	Chin (mm)	Chin (mm)	Height (mm)	Percentage
T20	690mm diam 690mm high	690mm diam	690mm diam	690mm	690mm	690mm	690mm	690mm	100%

Code	Common name	Form	Block condition	Depth (mm)	Height (mm)	Chin (mm)	Chin (mm)	Height (mm)	Percentage
T21	720mm diam 720mm high	720mm diam	720mm diam	720mm	720mm	720mm	720mm	720mm	100%

Code	Common name	Form	Block condition	Depth (mm)	Height (mm)	Chin (mm)	Chin (mm)	Height (mm)	Percentage
T22	750mm diam 750mm high	750mm diam	750mm diam	750mm	750mm	750mm	750mm	750mm	100%

Code	Common name	Form	Block condition	Depth (mm)	Height (mm)	Chin (mm)	Chin (mm)	Height (mm)	Percentage
T23	780mm diam 780mm high	780mm diam	780mm diam	780mm	780mm	780mm	780mm	780mm	100%

Code	Common name	Form	Block condition	Depth (mm)	Height (mm)	Chin (mm)	Chin (mm)	Height (mm)	Percentage
T24	810mm diam 810mm high	810mm diam	810mm diam	810mm	810mm	810mm	810mm	810mm	100%

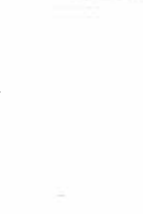
Code	Common name	Form	Block condition	Depth (mm)	Height (mm)	Chin (mm)	Chin (mm)	Height (mm)	Percentage
T25	840mm diam 840mm high	840mm diam	840mm diam	840mm	840mm	840mm	840mm	840mm	100%

Code	Common name	Form	Block condition	Depth (mm)	Height (mm)	Chin (mm)	Chin (mm)	Height (mm)	Percentage
T26	870mm diam 870mm high	870mm diam	870mm diam	870mm	870mm	870mm	870mm	870mm	100%

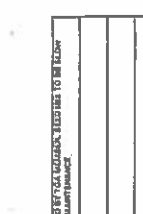
Code	Common name	Form	Block condition	Depth (mm)	Height (mm)	Chin (mm)	Chin (mm)	Height (mm)	Percentage
T27	900mm diam 900mm high	900mm diam	900mm diam	900mm	900mm	900mm	900mm	900mm	100%

Code	Common name	Form	Block condition	Depth (mm)	Height (mm)	Chin (mm)	Chin (mm)	Height (mm)	Percentage
T28	930mm diam 930mm high	930mm diam	930mm diam	930mm	930mm	930mm	930mm	930mm	100%

Notes: General topsoil / subsoil notes:
 Topsoil to be placed in layers on top of subsoil. 50mm plastic (poly) cover to be provided to top of each planted layer. 75mm layer of mulch to be provided to top of each planted layer. Topsoil to be placed in layers on top of subsoil and plastic.
 Topsoil to be placed in layers on top of subsoil and plastic. Topsoil to be placed in layers on top of subsoil and plastic. Topsoil to be placed in layers on top of subsoil and plastic.
 Topsoil to be placed in layers on top of subsoil and plastic. Topsoil to be placed in layers on top of subsoil and plastic. Topsoil to be placed in layers on top of subsoil and plastic.
 Topsoil to be placed in layers on top of subsoil and plastic. Topsoil to be placed in layers on top of subsoil and plastic. Topsoil to be placed in layers on top of subsoil and plastic.



Typical build-ups for shrub planted areas
 Scale: 1:20@A1



Typical build-ups for shrub planted areas
 Scale: 1:20@A1



Typical build-ups for shrub planted areas
 Scale: 1:20@A1



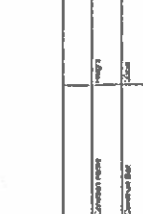
Typical build-ups for shrub planted areas
 Scale: 1:20@A1



Typical build-ups for shrub planted areas
 Scale: 1:20@A1



Typical build-ups for shrub planted areas
 Scale: 1:20@A1



Typical build-ups for shrub planted areas
 Scale: 1:20@A1



Typical build-ups for shrub planted areas
 Scale: 1:20@A1

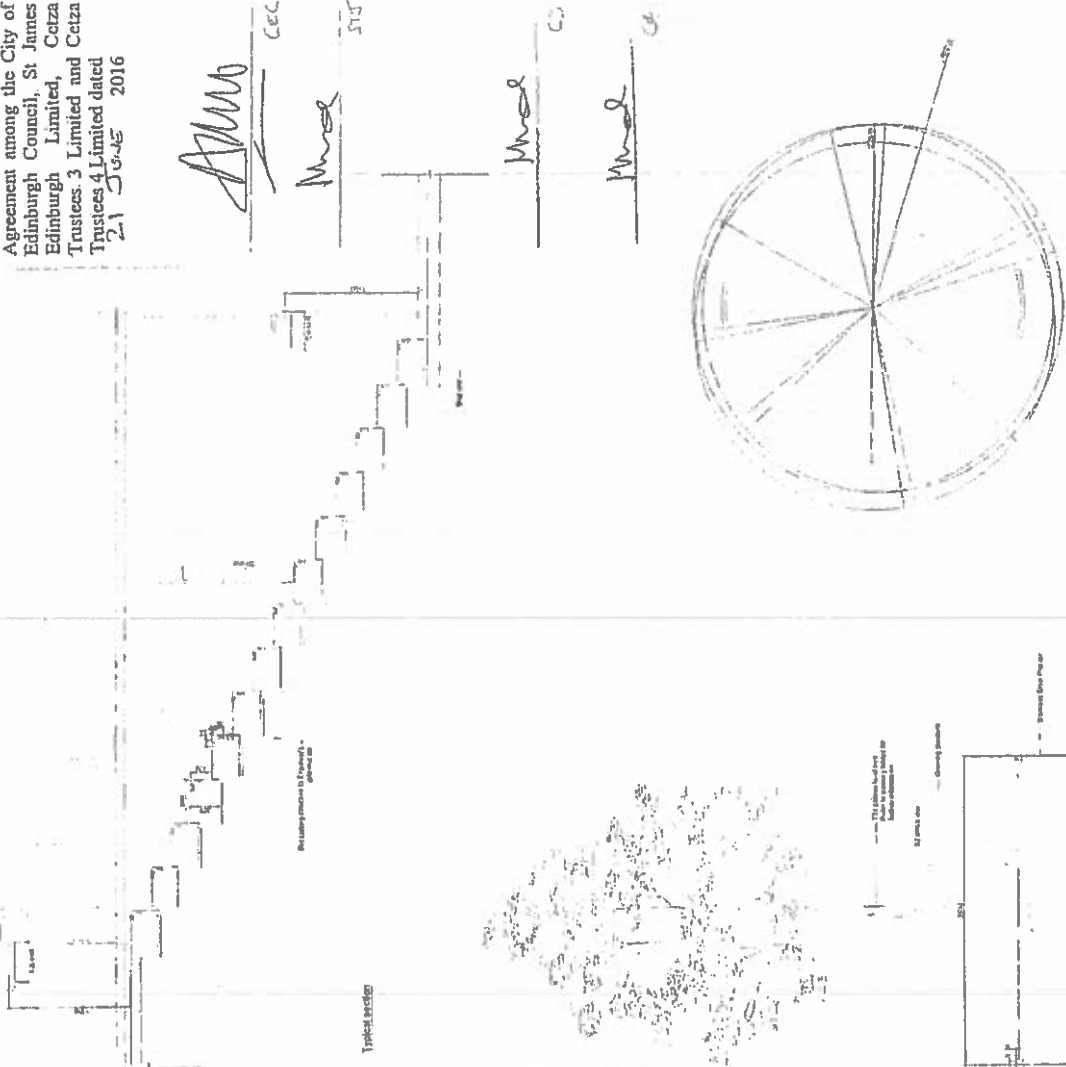
This is one of the CBC Growth Assets plans referred to in Schedule 8 of the foregoing Growth Accelerator Model Agreement among the City of Edinburgh Council, St James Edinburgh Limited, Ceiza Trustees 3 Limited and Ceiza Trustees 4 Limited dated 21 JUNE 2016

This is one of the CEC Growth Assets plans referred to in Schedule 8 of the foregoing Growth Accelerator Model Agreement among the City of Edinburgh Council, St James Edinburgh Limited, Cetza Trustees 3 Limited and Cetza Trustees 4 Limited dated 21 June 2016

E3: Granite slabs 25mm (1 inch) thick
 Stone: G684 (Red City Macbeth, Tinto) or equal approved granite stone. Slabs to have 10mm (3/8 inch) radius to leading edge. 35mm wide G684 (Tinted grey) bonding strip to lead into top surface of slab 20mm back from leading edge. Finish to be smooth.
 Layer: Slabs to be laid in random lengths between 600mm - 900mm. Overlap between units in adjacent rows to be min. 170mm.
 Joints: 2mm wide recessed sufficient deep joints. Seams joints between on each side.
 Supporting structure to Engineer's information.
 ALL SURFACES TO BE COATED. REFER TO GENERAL DRAWING NOTES FOR FURTHER INFORMATION.

E3: Granite steps
 Scale: 1:25 @ A1

E3 sheet DT317



W6: Raised stainless steel planter to the Gallia
 Scale: 1:20 @ A1

W6 sheet DT317

W6: Raised Stainless Steel planter to the Gallia
 Scale: 1:20 @ A1

Typical section

Rev	Description	By	Date
1	Issue for construction	AMW	17/06/16
2	Issue for construction	AMW	17/06/16

Date: 17/06/16
 Checked: AMW
 Drawn: AMW
 Project: TMA Henderson Rail Estate
 Client: Edinburgh St James
 Drawing No: Public Resident St James Details 17
 Stage: STAGE 3
 Rev: B
 File No: ESLOPEDET08-LA-DT317



P11a/b Residential terrace paving
P11a/b: Residential terrace paving
 Material: Terrazzo / Concrete / Pavers (P8)
 or equal approved.
 Colour: Sand Grey / Charcoal / Graphite,
 F15a/b: Exposed Aggregate (as supplied),
 Unit Size: 500 x 400mm / 400 x 400mm / 600 x
 400mm / 600mm as supplied.
 Joints: Open joints with ribs as supplied.
 Thickness: 65mm as supplied.
 Build up: To manufacturer's information
 assuming 3/4" sand bedding.
 Samples: 1/4" x 1/4" x 1/4" to be approved prior to
 laying permanent area.
 Laying notes:
 1. All horizontal vertical elements and
 other paving types to use a 3/4" sand bedding
 with edge and 1/4" sand bedding joints.
 2. All paving types to be laid on a compacted
 subgrade with 1/4" sand bedding joints and
 called out areas within the residential terrace.
 U10: To be read in conjunction with General Paving
 Note.



P11a/b: Residential terrace paving
 sheet
 DT310
 Scale: 1:20@A1

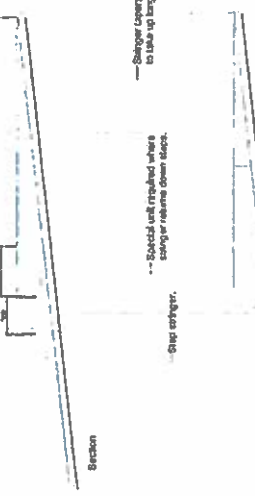
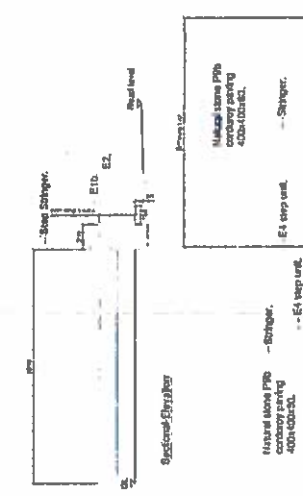
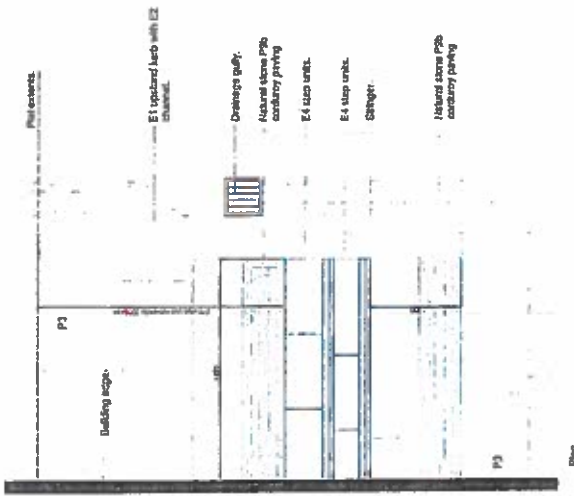
F15: Free standing timber bench
 Description: Viroco CombiFree standing timber
 bench with arm rests to public and
 communal areas.
 (Cl equal approved).
 Material: FOS approved Mahogany solid with
 fire-retardant powder coated steel frame.
 Unit Size: 1900 mm length x 600 mm width.
 Finish: Mahogany to be oil finished.
 Frame: 100% steel with powder coated to RAL
 7021.
 Finish: Enriched. Refer to manufacturers
 information.
 Supplier: Refer to engineer's information.
 Viroco Street Design Ltd.
 Barry and Co
 7 Cleveley Place,
 Killybegs, 11, Lisburne
 Kent ME14 1EQ
 01622 620 020 (UK)
 01622 627 020 (F10)
 E-mail: info@viroco.com



F15: Free standing timber bench to public areas
 Description: Santa and Cole 'ter' timber bench
 with long lacquer.
 Material: 40mm x 45mm seasoned
 hardwood ply pressed solid frame.
 Unit Size: 2100 mm length x 500 mm width.
 Finish: Tropical hardwood varnish.
 Notes: All metal work to be galvanized
 and powder coated to RAL 7021.
 Refer to manufacturers
 information for engineer's information.
 Supplier: Timberply Ltd
 10, Greenhill Industrial Estate,
 Greenhill, Basingstoke,
 Hampshire, RG24 0LN
 014 255 3174
 www.timberply.com

F16: Free standing timber bench to public areas
 sheet
 DT318
 Scale: 1:20@A1

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AMM CEC
MM ST
MM CS
MM CH

AP13
 This is one of the CEC Growth Assets plans referred to in Schedule 8 of the foregoing Growth Accelerator Model Agreement among the City of Edinburgh Council, St James Edinburgh Limited, Cetza Trustees 3 Limited and Cetza Trustees 4 Limited dated **21 JUNE 2016**

Prepared by: **OP**
 Checked by:
 Date:

Client: **TMA Henderson Real Estate**
 Address: **Edinburgh St James**

Project: **Public Realm - St James**
 Details: **Details 18**

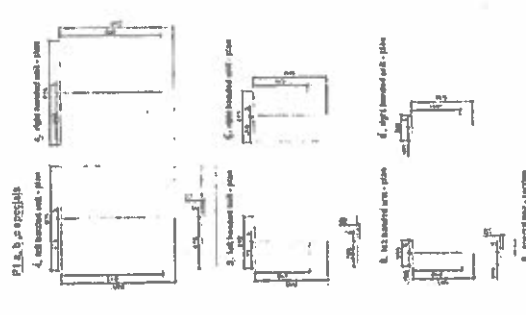
EMPLOYERS REQ.
 Approved by: **JAMES**
 Date: **18**
 For: **CEC**

Sheet: **D1518**

P1a/c: St James Square paving
 Title: P1a/c: St James Square paving
 Date: 11/20/16
 Author: [Name]
 Project: [Name]
 Scale: 1:200

Plan Specs: External Use
 100mm x random length (200 - 400mm)
 200mm x random length (200 - 400mm)
 300mm x random length (200 - 400mm)
 Internal Use
 200mm x random length (200 - 400mm)
 300mm x random length (200 - 400mm)
 400mm x random length (200 - 400mm)
 Joints: 50mm x 50mm
 Laying pattern: 1, 2, 3 and 4 (joint width lines to be distributed as per C.A.S. The contractor shall ensure that the paving is laid in a way that the joints are staggered and do not align in any one direction. Where changes in paving surface finish occur the transition is to be smoothed however to have a linear appearance as required achieved by laying several stone instead of a single stone.
 Thickness: External use - Minimum 75mm + 10mm
 Internal use - Minimum 20mm + 10mm
 To be confirmed by engineer.
 Edges: To be confirmed by engineer.
 Internal use - To contractor's design meeting S.N.V.2. loading requirement and 75mm depth allowance for paving and bedding.
 Sample: Approved job to laying permission area.

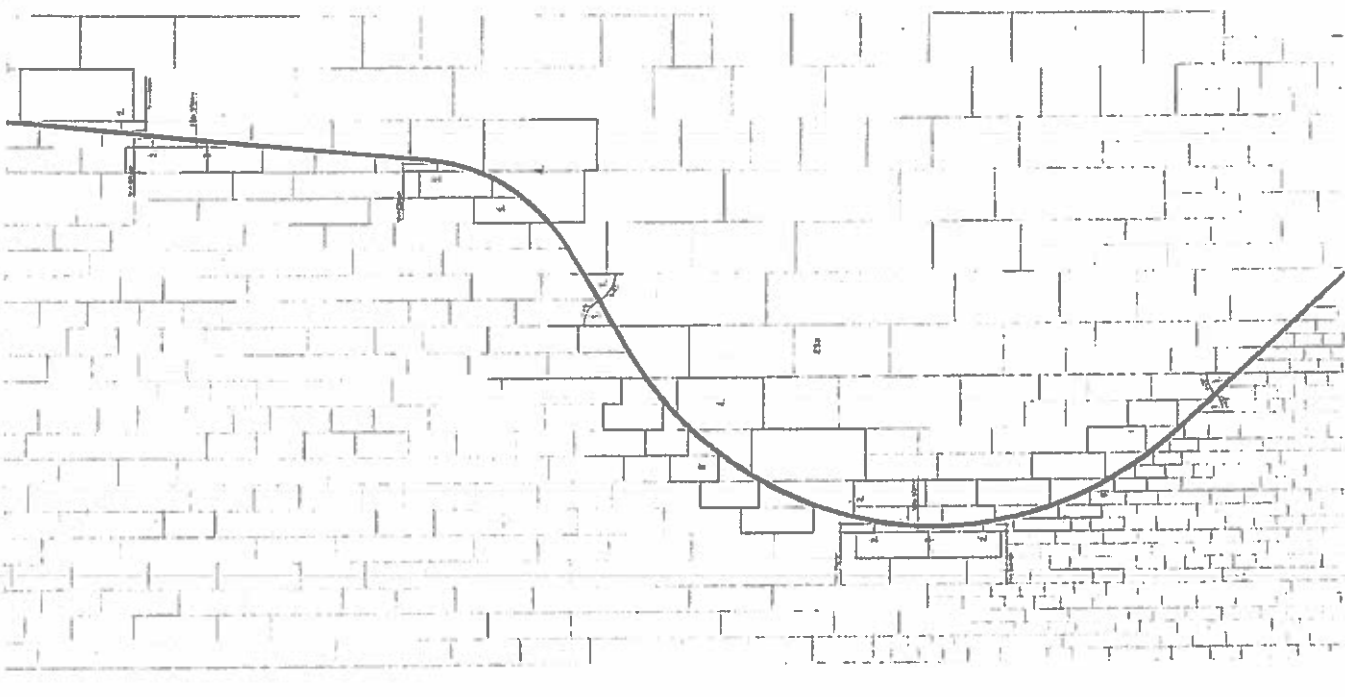
- Laying Notes (Refer to drawings):**
1. Squares to be used where each would have corner angle of less than 45°. No squares required where corner angle of joint is greater than or equal to 45°.
 2. Spacing to be 10mm on all sides but 15mm on narrowest point. No cut walls to have width of less than 40mm at narrowest point.
 3. Generally, pavers running perpendicular to road edge. However, contractor may refer to individual paving details for minimum spacings. To achieve requirements of layout notes 1 and 2 above however staggered joints may lay adjacent to hand but for a minimum of 100mm. 100mm cover over joint. Joints and quarry control joint to run in line with overall paving pattern.
 4. 100mm spaced to ensure requirements 1, 2 and 3 above are met. Joints and quarry control joint to run in line with overall paving pattern.



P1a
 Scale: 1:200
 DT1510

This is one of the CBC Growth Assets plans referred to in Schedule 1 of the foregoing Growth Accelerator Model Agreement among the City of Edinburgh Council, St James Edinburgh Limited, Ceiza Trustees 3 Limited and Ceiza Trustees 4 Limited dated 21 June 2016

ETA: Flush stainless steel edge
 Material: 316 Stainless steel.
 Finish: Galn polished with 2mm chamfer to 30mm width.
 Dimensions: Overlap call through edge to help secure. Embedded in concrete. To engineer's satisfaction. Form edges. All radii to be prefabricated.



NOTE:
 ALL PAVING PROPOSALS TO BE APPROVED BY CITY OF EDINBURGH OFFICERS INCLUDING ROADS CONSTRUCTION CONSULT / CITY CENTRE MANAGER / PRIOR TO PROCEEDMENT.

NOTE:
 DETAILS ARE NOW CONSOLIDATED TO A SINGLE DRAWING SET. DETAILS SUPERSEDED BY THIS DRAWING REGARD TO THE OVERALL AND CENTRAL HOTEL PROPOSALS. REFER TO ESJ-0PE-ZZZ-SEG-DR-LA-LS101 FOR GENERAL ARRANGEMENT

Handwritten signatures and initials: AMW, CEC, SJC

Scale 1:200
 Date: 11/20/16
 Author: [Name]
 Project: [Name]
 Scale: 1:200

EMPLOYERS REQ.
 No. of Sheets: 12
 No. of Sheets: 12
 No. of Sheets: 12

P1a/b/c: St James Square paving
 Scale: 1:200
 DT1510

E9a: Flush stainless steel edge
 Scale: 1:100
 DT1510

Cathedral Lane Study

Edinburgh St.James

717_Cathedral Lane Feasibility Study

Date: June 2015

op

optimised environments

This is one of the CEC Growth Assets plans referred to in Schedule 8 of the foregoing Growth Accelerator Model Agreement among the City of Edinburgh Council, St James Edinburgh Limited, Ceiza Trustees 3 Limited and Ceiza Trustees 4 Limited dated 21 JUNE 2016

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Transport considerations (Grontmi)

Cathedral Lane between Broughton Street and St James Place will provide a vehicular access route to the Edinburgh St James residents' car park. The route currently operates as a one-way street in a southwest direction and access is unrestricted. Parking is not currently permitted along Cathedral Lane and this is enforced by the presence of double yellow lines. The lane is not wide enough to accommodate both parking activity and through passage of vehicles. There is a narrow footway along the southern edge of the street which is used by some pedestrians, although many do not, and it often functions as a shared space.

The operational aspects of the route will remain unchanged following completion of Edinburgh St James. The quality of the route could however be improved through the repair and reinstatement of existing materials, along with the provision of new high quality materials where appropriate. Double yellow lines could be removed to improve appearance, with parking restrictions enforced through the introduction of a restricted parking zone. Existing double yellow lines currently provide a visual buffer between the carriageway and buildings along the northern edge of the street. With the removal of double yellow lines, a visual buffer could be provided through the use of materials with contrasting colours, tones or textures.



Cathedral Lane, Existing condition

Introduction

The following pages assesses the current condition of Cathedral Lane and provides a study of how the lane might be used for residential vehicular access for those living at Edinburgh St James. The PPM application did not include public realm improvements to Cathedral Lane, however with the potential of it becoming a key vehicular access improvements to the surfacing and boundary treatments may be beneficial.

Public Realm Improvements

It should be noted that as Cathedral Lane includes a reasonably complete settled carriageway, City of Edinburgh Council may have a preference to retain and / or relay the existing setts rather than replace with a new material. This would be a point for further discussion with CEC planning and Road's Officers.

Boundary improvements

Some of the observations and proposals within this study relate to the walls, railings and buildings that front onto Cathedral Lane. The condition of these boundaries currently detracts from the quality of Cathedral Lane, and a series of improvements could assist in raising the perception of this as a key route into Edinburgh St James. It is acknowledged that the improvements suggested would require discussion with building owners and third parties.

Lighting improvements

At present, Cathedral Lane is only lit at St Andrew's Hall and at the interface with Picardy Place adjacent to the Cathedral. Light Alliance has prepared proposals for enhancing the lighting along Cathedral Lane, improving its perception at night. The proposals are based on using building mounted fittings along the Cathedral elevation.

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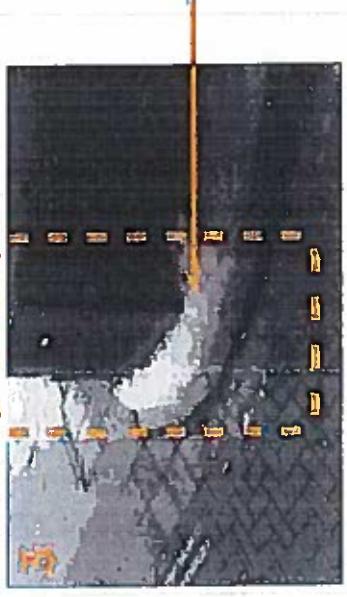
Mhd
CA



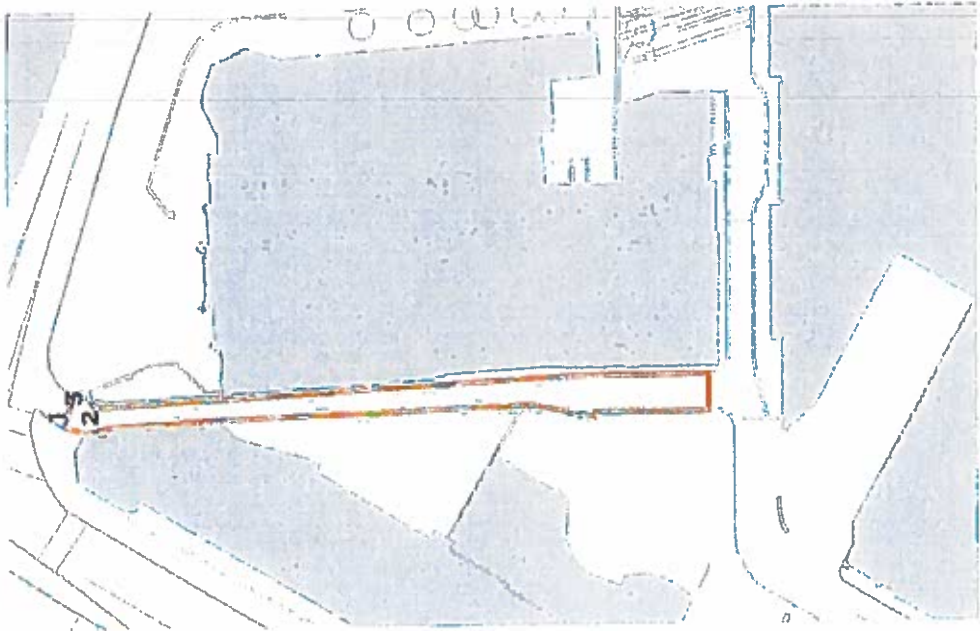
The existing carriageway at Picardy Place consists of man-made concrete blocks which have subsided in some areas. Consideration could be made to replacing with natural stone sets to provide an improved entrance aesthetic to the lane. This area would also be directly influenced by the Picardy Place public realm proposals, and the treatment of this area across a new footway would require careful consideration.



Drainage covers have collapsed and require rebedding.



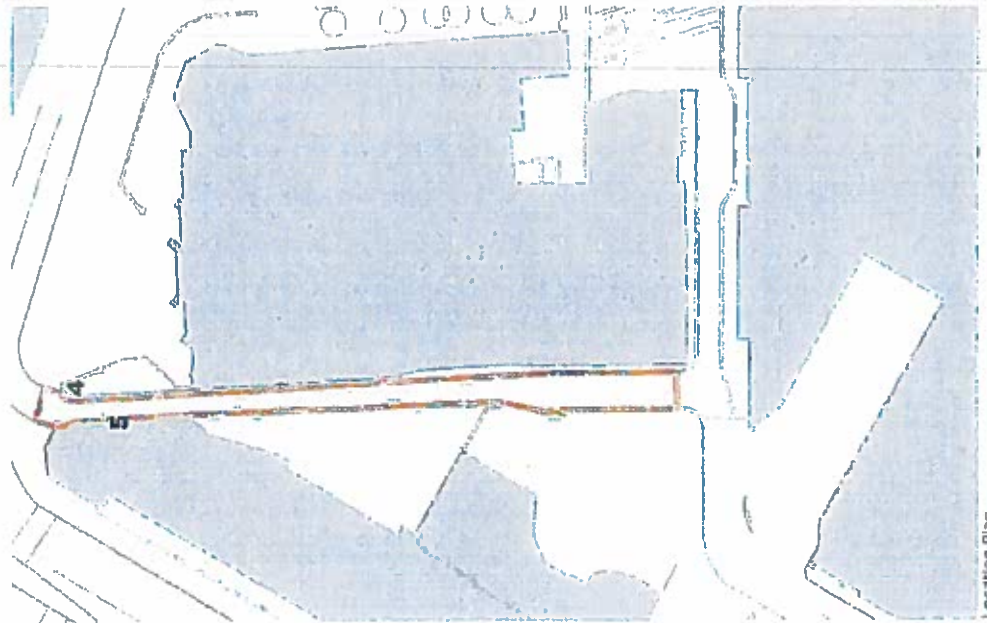
Concrete hunching around feeder pillar demonstrates poor workmanship and detracts from the quality of the lane.



Location Plan.

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AM CEC
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Mme C
Mme Cd



Location Plan.



Railings at Cathedral steps would benefit from repair and repainting.



Retaining wall along the Cathedral steps could benefit from some repairs, including the resetting of copes.

Signage and tape associated with the Conan Doyle fire escape detract from the quality of the lane.

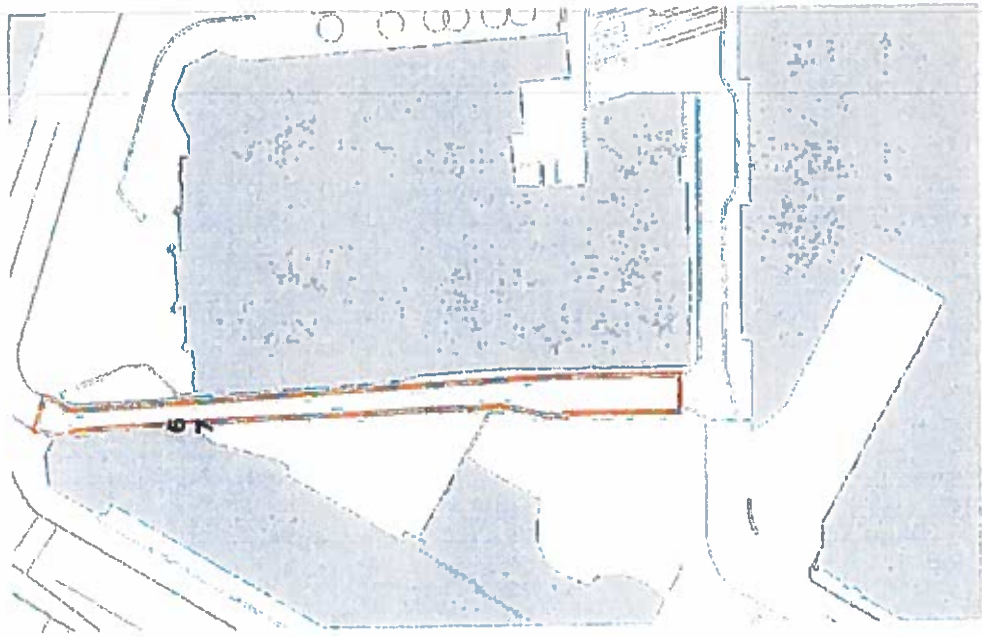
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Location Plan.



Extract units are currently fenced off with painted iron railings. The possibility of screening the extract units more effectively could be explored.

The existing sandstone wall along the boundary currently has cemented broken glass to the top of the cope and a barbed wire fence above. The security concerns of the residents could be better balanced with the aesthetic quality of Cathedral Lane.

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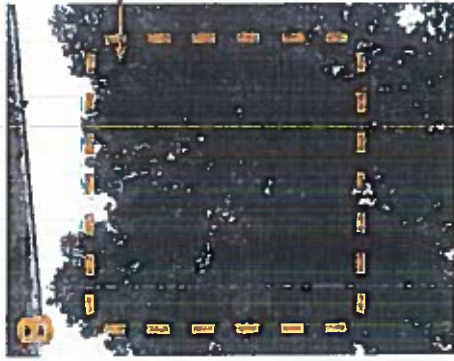
AMW

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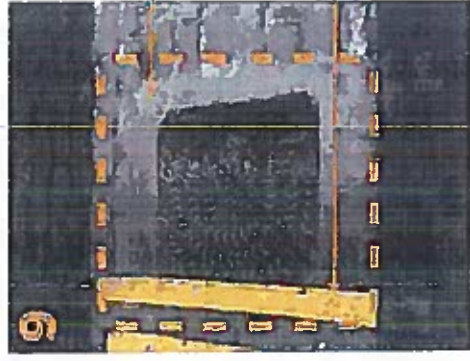
_____ S11

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While positively contributing to the character of Cathedral Lane, the existing trees could be shaped to allow a better level of daylight and reduce overshadowing.



Concrete haunching around service cover is a result of poor workmanship and detracts from the overall character of Cathedral Lane.

There is potential to remove road markings from the lane through implementation of a restricted parking zone. (Refer to Grantmij text for further description.)



Location Plan.
Site 1, Cathedral Lane & Street

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CS



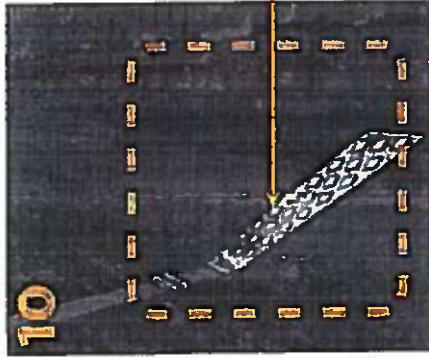
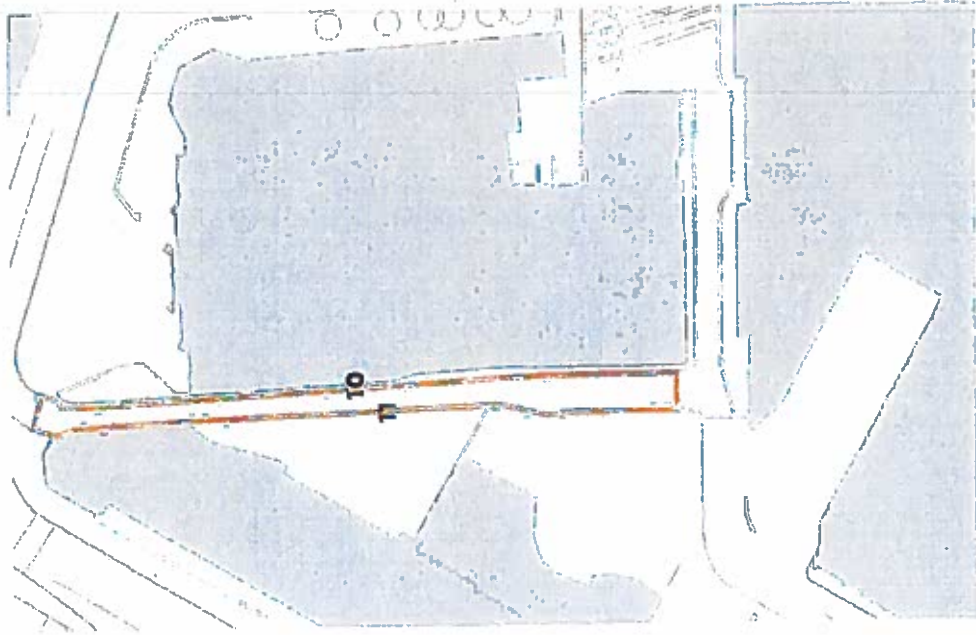
ST



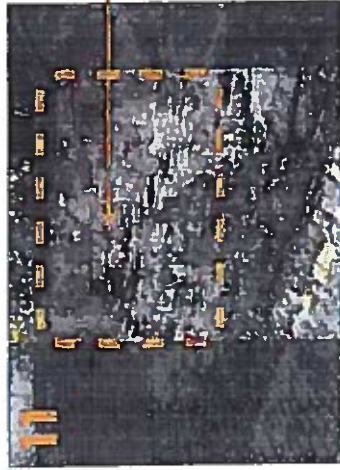
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Victorian drainage details associated with the Cathedral provide a positive element along the lane.



Some areas of the boundary wall are in poor condition and detract from the quality of the lane. These could be enhanced through repair and repointing.

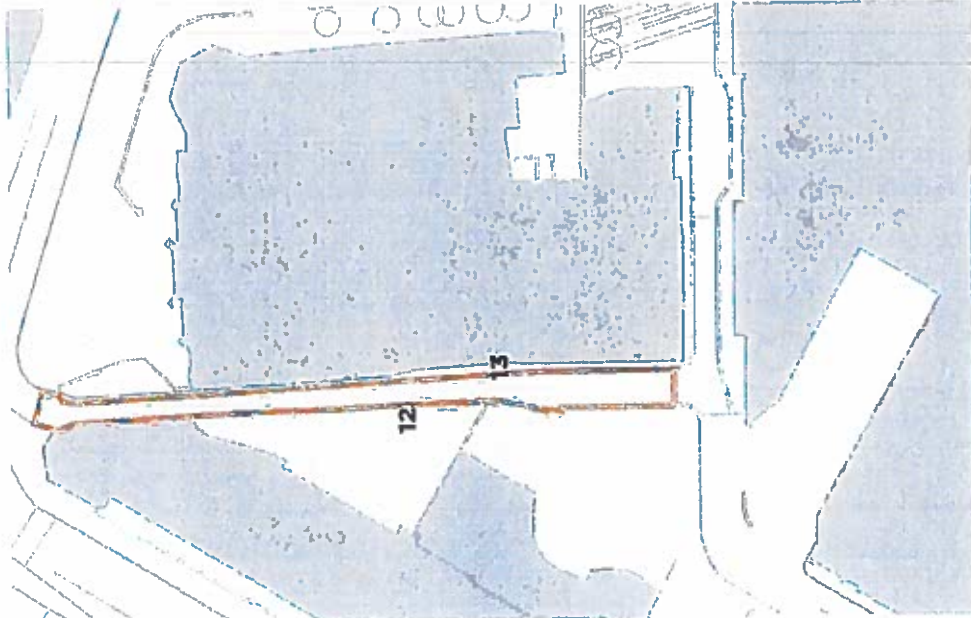
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[Signature]
CEC

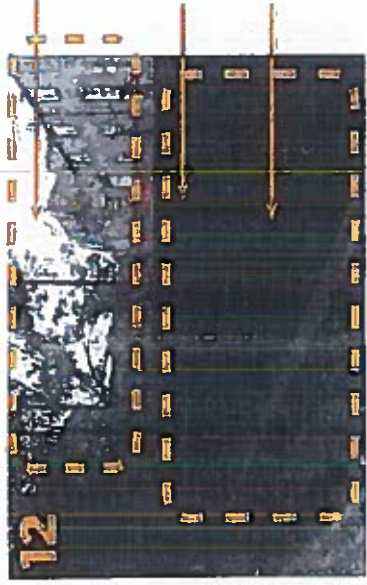
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Location Plan.
2011 Cathedral Lane Study



Barbed wire fence detracts from the aesthetic quality of the lane. Options for alternatives could be explored.



Existing railings in poor condition. Options could include repairs, repainting or replacement.

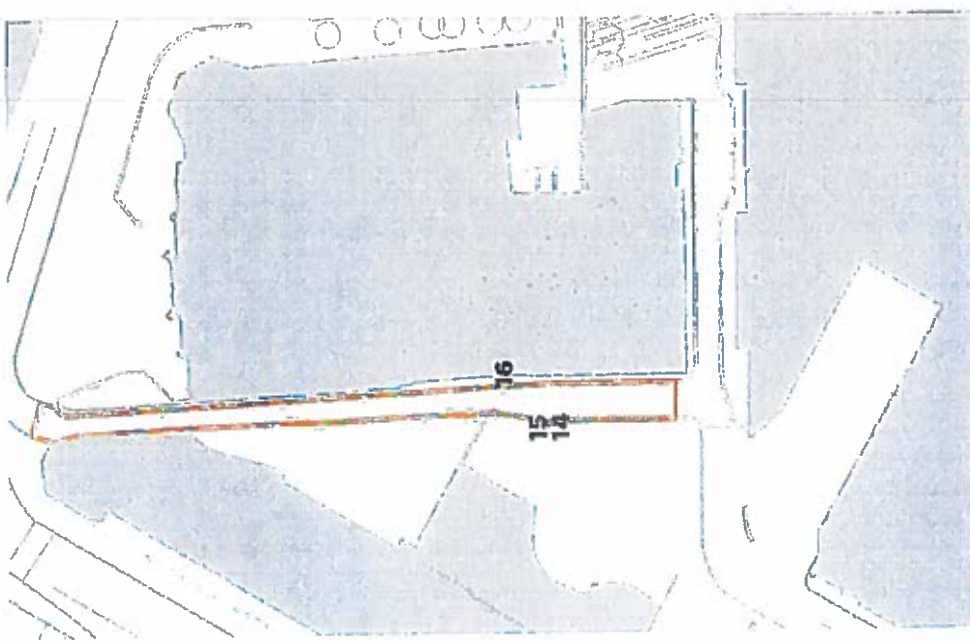
Timber panels used for security / privacy detract from the quality of the lane. Options could be explored for a more sensitive form of screen.

Potential to remove signage could be explored.

Existing pedestrian footway Surfacing consists of buff concrete flags which are not in keeping with the carriage way surface. Materials such as Scoutmorr Yorkstone could be used as a more appropriate material coordinating with the wider Edinburgh St James public realm scheme

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 CEC
 JJA
 MJA
 MJA
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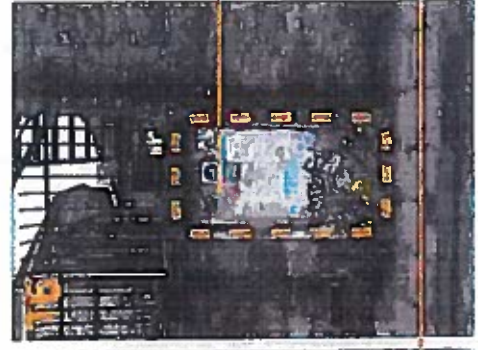


Location Plan.



Scottish Power boundary fence to substation. A more sensitive solution could be explored during the development of proposals for this area.

Levels do not currently tie in. Solutions could be explored through the development of proposals for this area.



Existing escape door in poor condition. Repair, upgrading or replacement could be considered.

Stone panel 'made good' with brick. Removal or incorporation into a better resolved structure could improve the general aesthetic in this area.

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Location Plan.

ES - Edinburgh Local Plan - 2017





Setts appear to have been repaired and reinstated using a variety of bedding and jointing techniques.





Natural stone setts appear to have been relaid within the past few years.

This is one of the CBC Growth Assets plans referred to in Schedule 8 of the foregoing Growth Accelerator Model Agreement among the City of Edinburgh Council, St James Edinburgh Limited, Cetza Trustees 3 Limited and Cetza Trustees 4 Limited dated 21 June 2016



C.C.C.






C.C.C.

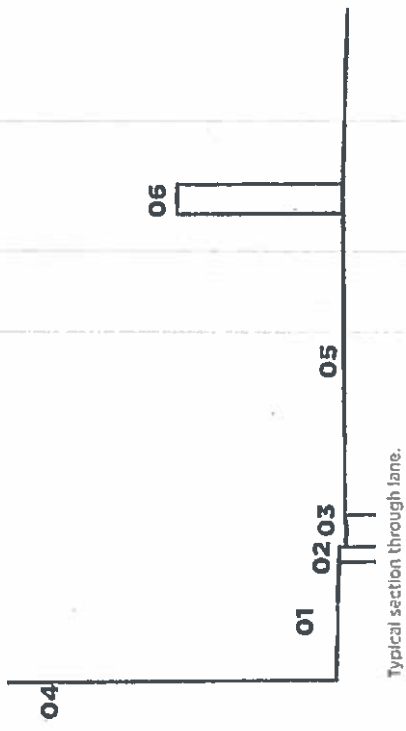
The following pages show options for the carriageway along Cathedral Lane. There are many more versions that could be explored, but the three illustrated show a minimal approach, a more intrusive minimal approach and a scheme for the replacement of all materials within the lane.

As mentioned at the beginning of this document, consultation with City of Edinburgh Council would be required in order to define an approach acceptable to all.

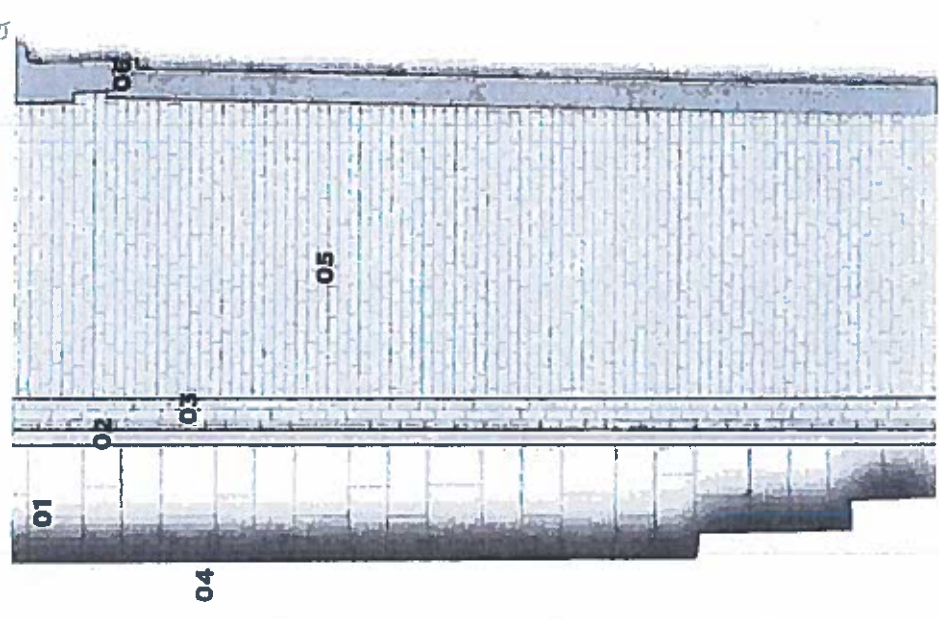
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[Handwritten signatures and initials]
 CFC
 STS
 CS
 CF

- Option 01 considers a minimal approach to works within Cathedral Lane, repairing the existing carriageway and introducing an appropriate footway material. The existing kerb and level change are retained in this option. This option considers the following:
1. Existing pedestrian footway: Concrete pavers to be replaced with 'Scoutmoor' Yorkstone natural stone paving coordinating with Edinburgh St James and the wider New Town public realm palette.
 2. Existing natural stone upstand kerb retained.
 3. Existing setted drainage channel retained.
 4. Building / boundary treatments: could be upgraded or repaired as noted on the existing photographs.
 5. Existing carriageway to be made good with localised repairs in areas that are damaged / in disrepair.
 6. Boundary wall could be upgraded or repaired as noted on the existing photographs.



Typical section through lane.



Typical Plan.

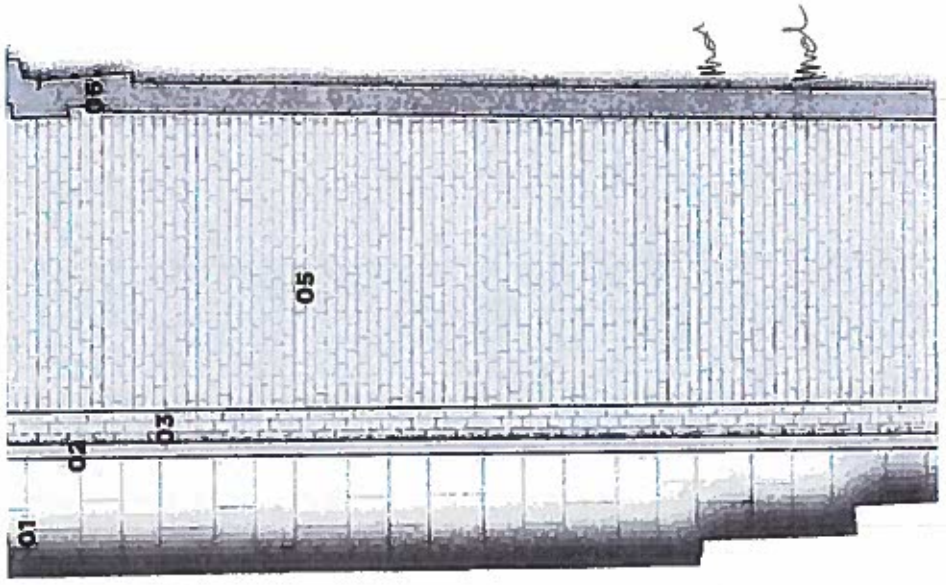
This is one of the CEC Growth Assets plans referred to in Schedule 8 of the foregoing Growth Accelerator Model Agreement among the City of Edinburgh Council, St James Edinburgh Limited, Celza Trustees 3 Limited and Celza Trustees 4 Limited dated 21 JUNE 2016

AMM
CEC

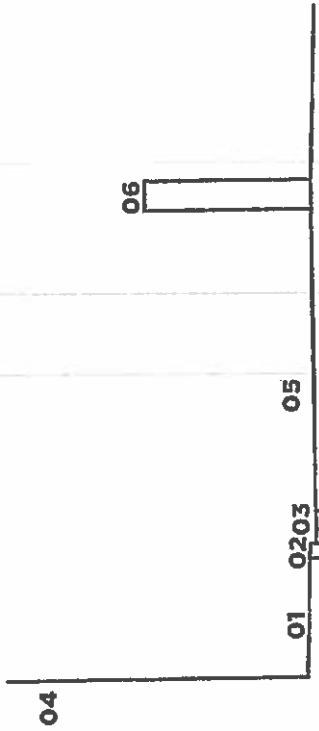
Mud
ST

Option 02 considers an enhanced approach to the reinstatement of Cathedral Lane, relaying the existing carriageway and introducing an appropriate footway material. The existing kerb and level change are retained in this option. This option considers the following:

1. Existing pedestrian footway: Concrete pavers to be replaced with 'Scoutmoor' Yorkstone natural stone paving coordinating with Edinburgh St James and the wider New Town public realm palette.
2. Existing natural stone upstand kerb retained.
3. Existing setted drainage channel retained.
4. Building / boundary treatments could be upgraded or repaired as noted on the existing photographs.
5. Existing carriageway to be relaid to City of Edinburgh Council build up detail and specification.
6. Boundary wall could be upgraded or repaired as noted on the existing photographs.



Typical Plan.



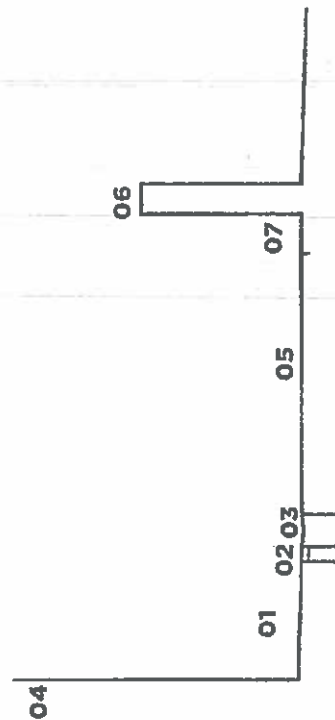
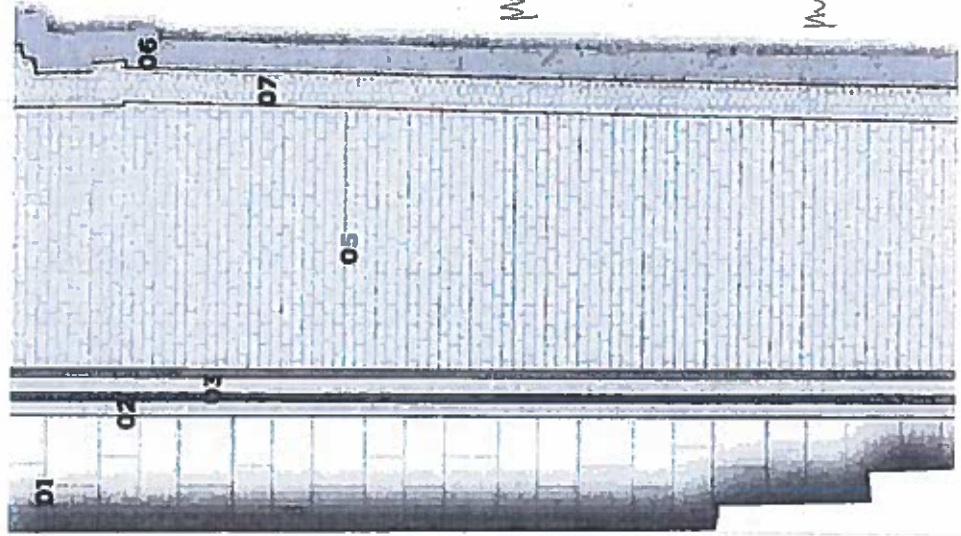
Typical section through lane

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AM
Mel

Option 03 considers the full replacement of carriageway and footway along Cathedral Lane, creating a shared surface better suited to pedestrians, and providing a smoother carriageway surface for vehicles. The existing kerb is relaid as flush, creating a continuous surface from wall to wall. The carriageway material and laying coordinates with the road setts proposed for Edinburgh St James, providing a more walkable surface:

1. Existing pedestrian footway: Concrete pavers to be replaced with 'Scoutmoor' Yorkstone natural stone paving coordinating with Edinburgh St James and the wider New Town public realm palette.
2. Existing natural stone upstand kerb relaid flush. Levels within Cathedral Lane to be reworked to remove the kerb upstand.
3. Existing setted drainage channel removed and replaced with a detail coordinating with Edinburgh St James.
4. Bulldozing / boundary treatments could be upgraded or repaired as noted on the existing photographs.
5. Existing carriageway to be relaid using the granite road setts proposed for the carriageways within the Edinburgh St James red line.
6. Boundary wall could be upgraded or repaired as noted on the existing photographs.
7. Cropped granite cubes could be used to provide a textured 'rumble strip' between the carriageway and boundary walls.



Typical section through lane.

Typical Plan

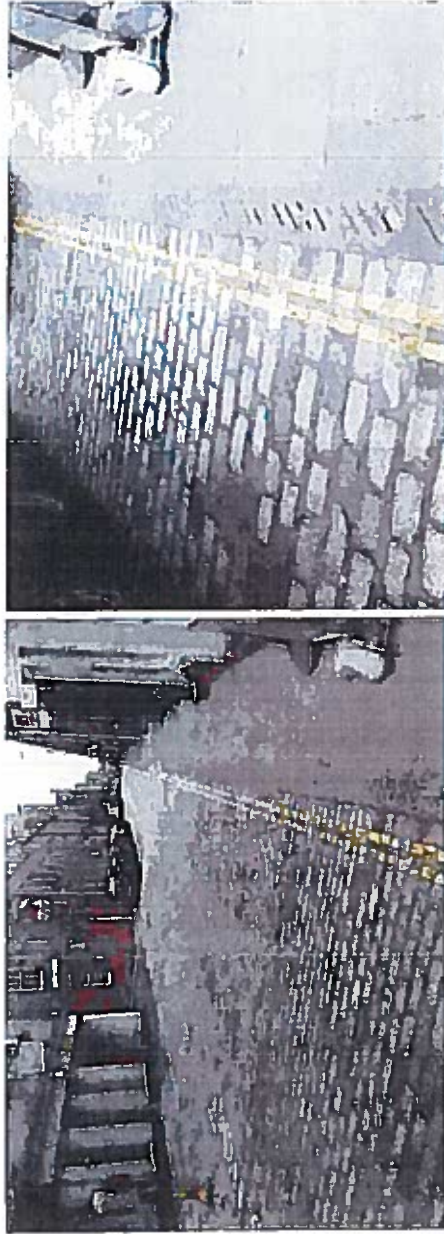
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AMW
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The adjacent images show the current treatment to Thistle street in Edinburgh. The carriageway consists of 'traditional' setts bounded on either side by pedestrian footways with flush kerbs, drainage channels and 'Scoutmoor' natural stone paving.

The approach to materials in this example gives the street the feeling of being a shared surface whilst providing clear pedestrian and vehicular zoning through the use of contrasting materials. This approach could be used for Cathedral Lane, with either the existing 'traditional' setts or contemporary granite units being used.

Note that while this example has a high quality feel, the drainage gully is prone to blocking. The proposals for Edinburgh St James would look to retain a more traditional channel and gully. The road markings used along Thistle Street could also be omitted at Cathedral Lane through the use of a zonal approach to parking restrictions.



optimised environments Ltd

Edinburgh

2nd Floor | Onefamila Two | 2 Lister Square | EH3 9GL

t 0131 221 5920 | w optimisedenvironments.com

London
175 - 185 Gray's Inn Road | London | WC1X 8UE
t 020 7812 0621 | w optimisedenvironments.com

Optimised Environments Ltd. Registered in Scotland No. SC226680.
Registered address: 2nd Floor | Onefamila Two | 2 Lister Square | EH3 9GL

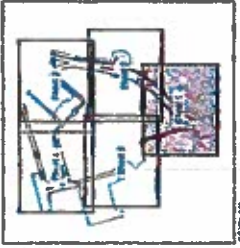
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NO.	DATE	DESCRIPTION	BY	CHKD
1	2016.04.21	ISSUED FOR PERMIT
2	2016.04.21
3	2016.04.21

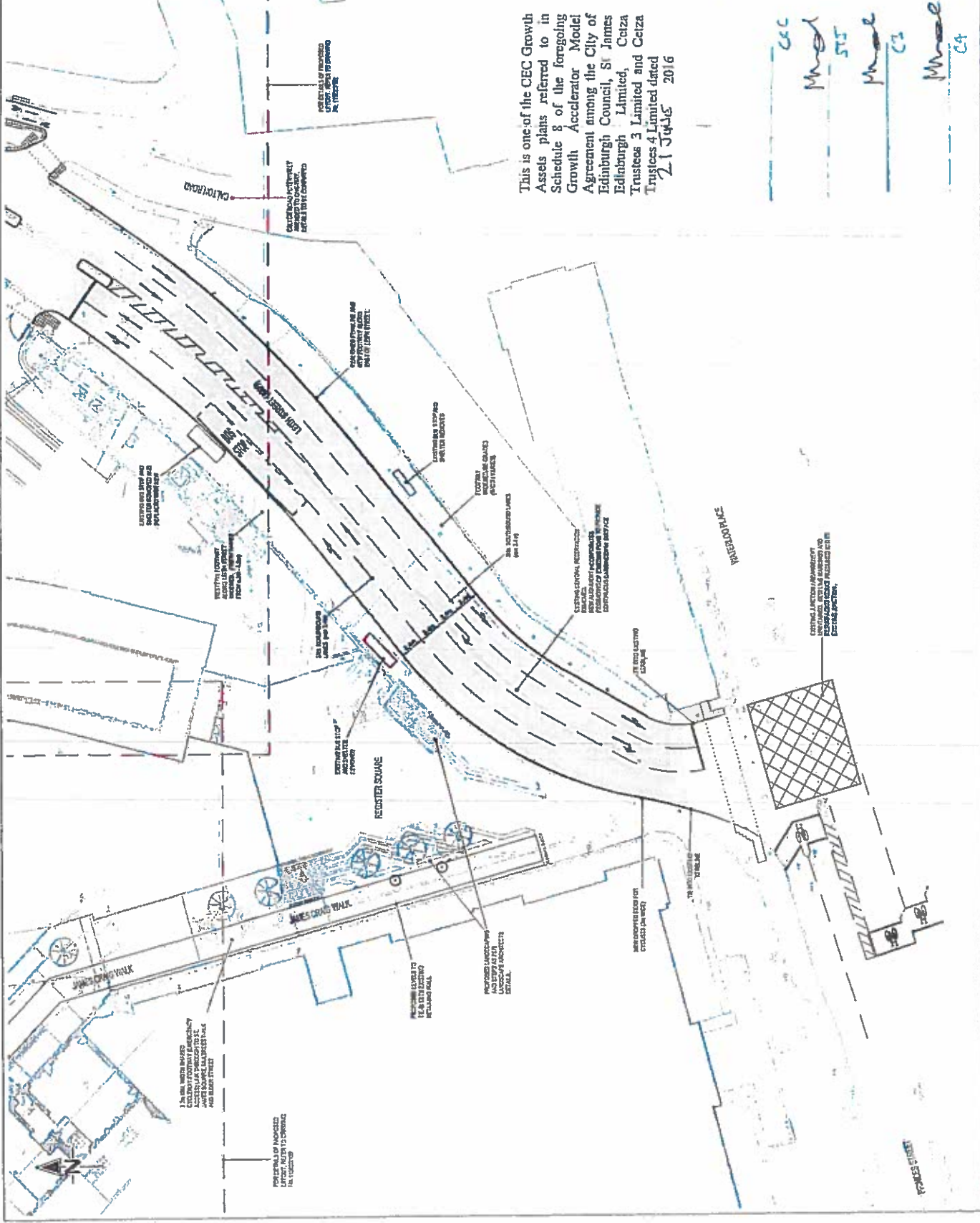
TMA Henderson
Edinburgh St. James

Public Road
Project Lead
Sheet 1 of 5

Grontmij

Project Name: ...
Scale: 1:500
Date: ...

Project Manager: ...
Tel: 011 550 5200
Fax: 011 550 5195
Web: www.grontmij.com



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Handwritten notes and signatures:

CC
Mae
ST
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