

# SCOPE OF WORKS, SPECIFICATION & SCHEDULE OF QUANTITIES

ROYAL SQUARE AND THE DRIFT

RESURFACING OF THE DRIFT AND ASSOCIATED WORKS



**DOCUMENT DETAILS**

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Client: Dedham Parish Council  
Project Name: 19.583 Royal Square and The Drift  
Project Location: Dedham, Essex, CO7 6AH

**DOCUMENT VERSION RECORD**

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Final Draft		AK	01-12-20	NC	03-12-20
A	Comments from client	AK	09-12-20		
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## SCOPE OF WORKS

### THE PROJECT

- Name: Royal Square and The Drift
- Nature: Phased refurbishment of The Drift and Royal Square to provide lighting along The Drift, and new surfaces throughout.
  - Current phase: Refurbishment of path through The Drift to comprise resurfacing and installation of bollard lighting between the cricket pavilion and the public toilets, installation of cross path between cricket pavilion and football pitch, realignment of bollards at pavilion car park, and installation of gate.
- Aim of footpath refurbishment:
  - to provide a safe and visually attractive route which is in keeping with the historic nature of Dedham village centre
  - to create a surface with even camber across and down the length of the path to enable all surface water to be shed into adjacent grass areas
  - to provide a pedestrian surface that is able to withstand occasional use by emergency vehicles
- Location: Dedham, Essex, CO7 6AH

### EMPLOYER (CLIENT)

- Name: Dedham Parish Council
- Address: c/o Emma Cansdale, 2 Goose Green Cottages, Colchester Road, Wix, Essex, CO11 2PD
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### LANDSCAPE ARCHITECT

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### DRAWINGS AND DOCUMENTS

- The drawings are NC19.583-T-301 The Drift: Footpath construction, NC19.583-T-302 The Drift: Path edge options, NC19.583-T-303 Cross path and gate, and NC19.583-T-304 The Drift: Bollard surround options and installation
- The documents are this document, NC19.583-SSQ01 which provides a scope of the works, specification including construction notes, a schedule of quantities, and schedule of materials with product details

### ALTERNATIVES

- This project has a number of common elements, and several options which will be finalised once costs have been submitted

- Items common to all options
  - bonded gravel path
  - 50mm tarmacadam regulating layer
  - boom swing gate and gate posts adjacent to cricket pavilion
  - new/relocated bollards at pavilion car park
  - trenching for bollard lighting
  - trenching for supply connection
  - PIR sensors for bollard lighting
  - Dusk-to-dawn sensor for bollard lighting
- Optional items:
  - Stone OR metal edging to The Drift path
  - Stone OR metal edging to the pavilion cross path
  - Bonded gravel surface OR stone blockwork surface to the pavilion cross path
  - Klou-IK illuminated bollards OR Citrine Midi illuminated bollards
  - Option for (variations of) stone surround around base of bollards OR bollards set in grass
- Depending on the total cost of the works, the client may decide to install the bollard lighting only, with the remaining items to potentially follow at a later date
- The contractor to provide a separate stand alone cost for either bollard option, including for necessary trenching, foundations, cables, ducts and controls etc., with the trench backfilled with stone and 25mm bitumen surfacing to existing pavement level

#### **TENDER REQUIREMENTS**

- The object of the tender is to inform the client and enable them to decide upon the preferred optional elements prior to work commencing
- Contractors should price for all elements described above (see also Schedule of Quantities below)
- The client will appoint a contractor based on their preferred options, with a current view to work commencing early in 2021

## SPECIFICATION

### CONSTRUCTION NOTES

- Final choice of path edging, surfacing of cross path, and lighting bollard to be confirmed by Dedham Parish Council
- Refer to drawing NC19.583-T-302 for materials schedule

### THE DRIFT: FOOTPATH REFURBISHMENT

- Method for footpath refurbishment:
  - Grass over-run cut back to original path edge
  - Existing wearing course to be scraped back and levelled as necessary to remove hollows
  - Finished surface to have even falls across the width of the path towards the football pitch (east), and from the public toilets to the cricket pavilion
  - Footpath levels to be married in to existing levels at path adjacent to public toilets and pavilion car park as drawing NC19.583-T-301
  - Surface to be topped throughout with additional tarmacadam to enable finished levels to be 50mm above existing for rainwater run-off
  - Surface to be finished with bonded gravel
  - Path edging to be either metal strip or flush stone paviours as drawing NC19.583-T-302 and subsequent revisions
- Finished width of path: 2m
- Existing construction build up of path, as shown on drawings, is assumed based on one trial pit located on the east side of the path close to the path-facing bench as shown on drawing NC19.583-T-301
- A trace-and-track procedure will be required to confirm the location/route of the existing BT cable
- Protection of existing trees and treatment of excavated roots as approved arboricultural drawing and method statement
- Hand digging will be required at levels below the existing sub-base along the path edges between the sports pitches in order to minimise disturbance or damage to tree roots
- Where tree roots are located, it may be necessary to hand dig beneath them to form a channel for the lighting cables. Where identified, notify client. Work to be supervised by the client's arboriculturist as necessary
- Client's arboriculturist to be notified of any tree roots over 25mm cut unintentionally
- Gravel chippings used in bonded gravel path surface to be colour matched to gravel within cricket pavilion car park
- Slip resistance of gravel chippings to BS8300-1
- Any requirements for geotextiles, scratch course etc below bonded gravel layer to be confirmed by manufacturer/contractor prior to work commencing
- String line to be run down centre of path through The Drift to ensure smooth fall along length of path from public toilet block to the cricket pavilion

### LIGHTING

- Method for lighting:
  - Illuminated bollards to be installed at the eastern edge of the path at approximately 9.5m centres as manufacturer's horizontal luminance drawings
  - Offsets for bollards to be set out from centre of bench facing path as shown on drawing NC19.583-T-301

- PIR sensors to be installed at either end of the path. Contractor to provide rate for additional trenching required
- PIR sensors to be located on wall of public toilet (1nr.) and post of proposed boom swing gate adjacent to cricket pavilion (1nr.)
- Dusk-to-dawn sensor to be installed. Location to be agreed. Sensor to have override capability to enable lighting to remain off outside normal evening hours of use
- Illuminated bollard options:
  - Schreder Citrine Midi: drawing OP164851LD14776
  - Kingfisher Klou-IK: drawing D39147/PA/A
- Depth of electricity cable for bollards to be minimum 400mm below finished surface
- Bollards to be connect to electricity source at cricket pavilion
  - Power source to be provided by others to the outside of the building
  - The contractor to allow for connection and provision of controls located externally on the cricket pavilion within a waterproof casing
- Bollards to be bolted onto precast concrete footing as drawing NC19.583-T-304
  - Volume of concrete footing to be equal to 500x500x500mm. Shape of footing will vary depending on chosen path edge and stone surround to bollard (if used)
  - Extent of footing to remain within volume of disturbed ground adjacent to path edge

#### **CROSS PATH AT CRICKET PAVILION**

- Proposed reconfiguration options for cross path at cricket pavilion as drawing NC19.583-T-303 and subsequent revisions
- Choice of surface material to be confirmed by Parish Council following receipt of comparative prices
- Path edging:
  - Where cross path surface is bonded gravel, edging option to continue from The Drift
  - Where cross path surface is stone setts, junction of The Drift and cross path to have sett edge as drawing NC19.583-T303
- Proposed boom swing timber gate to be installed across The Drift at the cricket pavilion. Refer to drawing NC19.583-T-303 and subsequent revisions



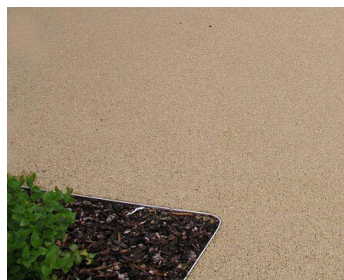
## MATERIALS

### SCHEDULE OF QUANTITIES

	Amount	Unit
<b>Common items</b>		
The Drift bonded gravel path	193	m <sup>2</sup>
50mm tarmacadam regulating layer	193	m <sup>2</sup>
3m hardwood boom swing gate with 2nr oak gate posts and keypad lock to match existing	1	nr.
Existing timber bollards to be removed	4	nr.
Timber bollards to match existing at pavilion car park	3	nr.
Trenching for bollard lighting	86	m
Trenching for supply connection	13	m
PIR sensors	2	nr.
Dusk-to-dawn sensor	1	nr.
<b>Optional items</b>		
<i>Edging to The Drift</i>		
Yorkstone setts 200x100x50mm	194	m
Metal edge 4x150x2500mm	194	m
<i>Edging to pavilion cross path</i>		
Yorkstone setts 200x100x50mm	31	m
Metal edge 4x150x2500mm	31	m
<i>Surface to pavilion cross path</i>		
Bonded gravel	26	m <sup>2</sup>
Yorkstone setts 200x100x50mm	26	m <sup>2</sup>
<i>Illuminated bollards including foundations</i>		
Klou-IK	10	nr.
Citrine Midi	10	nr.
<i>Edging to illuminated bollards</i>		
100x100mm Yorkstone setts	120	nr.
200x100mm Yorkstone setts	60nr.	

### MATERIALS SCHEDULE

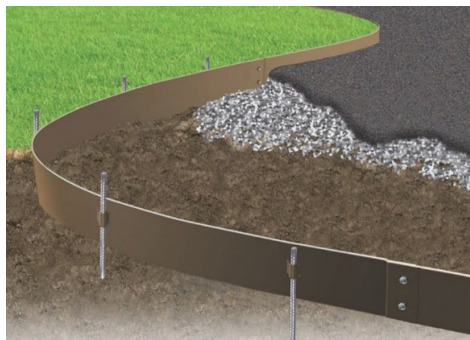
- Final choice of path edging, surfacing of cross path, and bollard to be confirmed by Dedham Parish Council
- Bonded gravel to Drift footpath and cricket pavilion cross path
  - *Manufacturer:* Star-Uretech or approved similar
  - *Adhesive:* Manufacturer's recommendation
  - *Aggregate:* 1-4mm, colour matched to cricket pavilion car park
  - *Application rate:* manufacturer's recommendation



- Yorkstone sett edge to path
  - Brighthouse sawn setts or approved similar.
  - *Manufacturer:* Yorkstone Supplies Ltd. (yorkstonesupplies.co.uk) or approved similar
  - *Dimensions:* 200x100x50mm
  - *Laying pattern:* single stretcher
- Yorkstone sett edge to bollards
  - Brighthouse sawn setts or approved similar.
  - *Manufacturer:* Yorkstone Supplies Ltd. (yorkstonesupplies.co.uk) or approved similar
  - *Dimensions:* 100x100x50mm / 200x100x50mm
  - *Laying pattern:* single stretcher
- Yorkstone sett paving to cricket pavilion cross path
  - *Material:* Brighthouse sawn setts or approved similar
  - *Manufacturer:* Yorkstone Supplies Ltd. (yorkstonesupplies.co.uk) or approved similar
  - *Dimensions:* 200x100x50mm
  - *Laying pattern:* herringbone



- Metal edge
  - *Material:* Titan or approved similar
  - *Manufacturer:* EverEdge (everedge.co.uk) or approved similar
  - *Dimensions:* 4x150mm x 2.5m
  - *Finish:* galvanised and power coated
  - *Colour:* brown
  - *Fixing:* Edging to be secured with 400x10mm dia high tensile pins at approx. 500mm centres.



- Illuminated bollards – Option 1
  - *Model:* Klou-IK 180
  - *LED light intensity:* 15.44 Lux (average)
  - *Manufacturer:* Kingfisher (kingfisherlighting.com)
  - *Dimensions:* 184x1000x184mm
  - *Finish:* Graphite grey polyester powder coating
  - *Fixing:* Manufacturer's recommendations
  - *Connection:* Bollards to be connected to electrical supply at cricket pavilion
- Illuminated bollards – Option 2
  - *Model:* Citrine Midi
  - *LED light intensity:* 9.79 Lux (average)
  - *Manufacturer:* Schreder (schreder.com)
  - *Dimensions:* 110x1000x110mm
  - *Finish:* AKZO grey 900 sanded polyester powder coating
  - *Fixing:* Manufacturer's recommendations



Klou-IK



Citrine Midi

- PIR sensor
  - Sensor to have adjustable sensitivity to minimise triggering by animals etc
  - *Model/manufacture*: Contractor to submit proposals
- Dusk-to-dawn sensor
  - Sensor to have override capability to enable lighting to remain off outside normal evening hours of use
  - *Model/manufacture*: Contractor to submit proposals
- Timber bollards to cricket pavilion car park
  - *Dimensions and materials*: to match existing



- Swing boom gate to cricket pavilion car park
  - *Gate*
    - Materials*: oak or approved similar hardwood
    - Dimensions*: height to match existing; width 3m
  - *Gate post*
    - Materials*: 4 way weathered top oak posts
    - Dimensions*: minimum 150x150mm, height as required to match existing
  - *Construction*: gate to hinge on north east side of post as drawing 19.583-T-303 to enable 180 degree opening
  - *Locking mechanism*: Borg Locks ([borglocks.co.uk](http://borglocks.co.uk)) BL2605 keypad type or approved similar



Existing boom swing gate at entrance to pavilion car park



Keypad lock