Key

1 Wireless CCTV PTZ Dome camera mounted on existing column. Finish to match column RAL 9017.

2 Wireless CCTV PTZ Dome camera mounted on new column. Finish to match RAL 9017.

XA Existing column lantern to be stripped out & replaced new as DW Windsor plain fixed column, Windsor street lantern with frog mounting and ladder bars finished in RAL 9017.

XA1 As XA with raise / lower column.

XB New column lantern as DW Windsor plain fixed column. Windsor street lantern with frog mounting and ladder bars, finished in RAL 9017.

XB1 As XB with raise / lower column.

XC New Pedastal and Globe Lantern mounted on new brick pier. As manufactured by DW Windsor.

XD New Ground mounted feature luminaire as DW Windsor Capra c/w clear low temperature glass filter.

XD1 New Ground mounted feature luminaire as DW Windsor Capra c/w frosted low temperature glass filter.

XF New Ground mounted LED marker luminaire as DW Windsor light point.

XG New linear recessed LED marker luminaires as DW Windsor VAIO LED.

XH New linear recessed LED luminaire as DW Windsor Garda.

Low voltage supply cable route (indicative only exact routes and co-ordination to be confirmed by Contractor on site).

FP1 FP2 FP5 FP6 FP9 New 1000x1500mm (W x H) ground standing heritage style feeder pillar housing single phase distribution equipment.

FP5 New 1500x1500mm (W x H) Heritage style feeder pillar housing existing pumping station control panel.

FP4 Existing pond feature feeder pillar replaced with heritage style enclosure sized as 300mm x 1000mm (W x H). New feeder pillar to be provided with new hard standing and existing equipment re-positioned and fixed.

FP7 New 1000x1500mm (W x H) ground standing heritage style feeder pillar housing three phase distribution equipment.

FP8 Existing recessed meter cut-out enclosure within stone pillar. Feeder pillar and services to be removed.

FP13 FP11 New 300x1000mm (W x H) ground standing heritage style feeder pillar housing irrigation/circulation pump supply isolators.

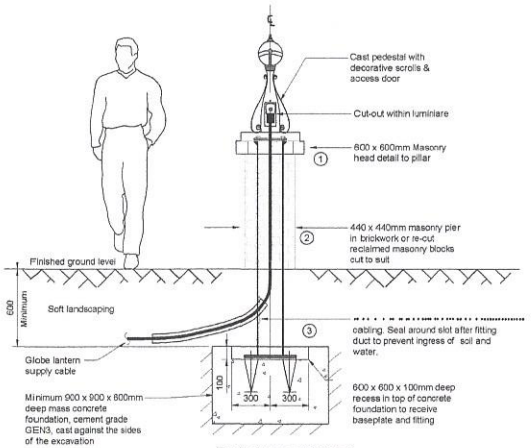
CDB Existing chalet distribution board.

2 100mm diameter ducts routed below hard standing. Quantity of ducts as identified.

Electrical distribution equipment points.

GRP draw chamber.

GDA Ground mounted distribution assembly housing 2No. 16A BS EN 60309 sockets as Blakley Electrics product code S260109.

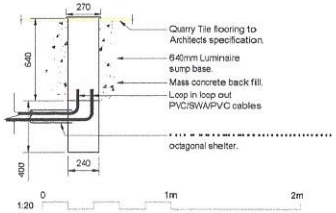


Typical Pedestal Detail
Scale 1:20

dimensions in mm

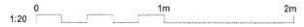
TYPICAL ELECTRICAL SERVICES COVER DEPTH ARRANGEMENT DETAIL
NOT TO SCALE

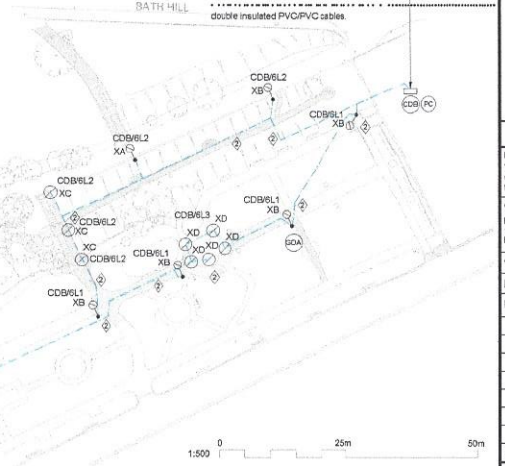
Octagonal Shelter Installation Details
Scale 1:20

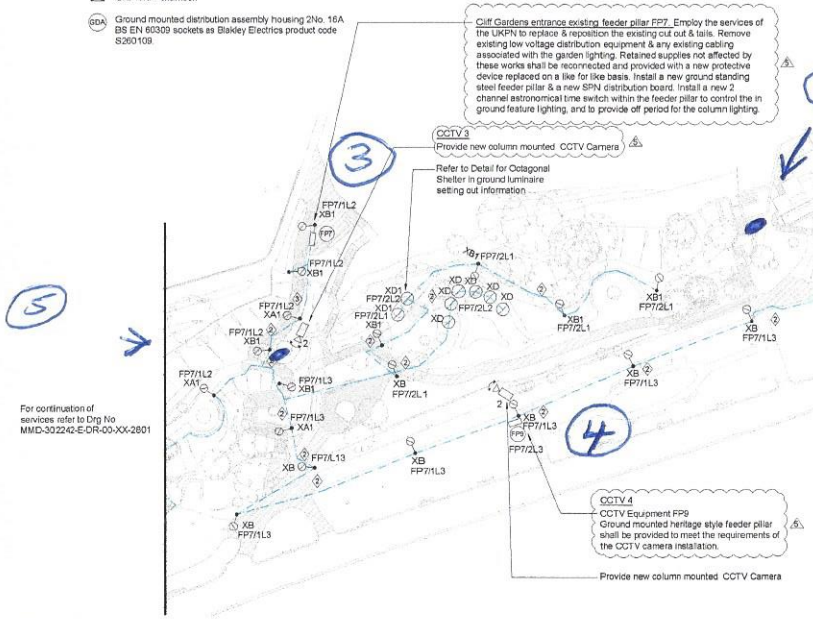


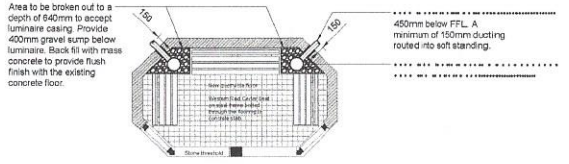
Existing council chalet distribution board
The existing Merlin Gerin distribution board shall be utilised for meeting the requirements of the electrical installation as identified. Install new SPN distribution board, 2 channel astronomical time switch and contactors, for lighting control of feature lighting and globe lighting and to provide off period for column lights if required.

double insulated PVC/PVC cables.









Octagonal Shelter Detail
Scale 1:50

Notes

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Do not scale from this drawing. Use only figured dimensions.

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Any drawing errors or discrepancies to be brought to the attention of Mott MacDonald at the address shown in the title block.

This drawing should be read in conjunction with the specification and all other relevant services, structural and architectural drawings. Refer to the drawing register for a complete list of all proposal drawings and documents.

1. The contractor shall carry out a site survey to ascertain the extent of the existing electrical installation to be stripped out as part of the works.
2. Existing columns shall be stripped out & replaced as identified.
3. Existing cabling supplying existing column lighting shall be stripped out from point of supply to point of use.
4. New supply cabling shall be laid direct in trenching c/w marker tape when run in soft standing. Where cables run below hard standing ducts and draw chambers shall be provided as identified on the drawing.
5. All distribution boards shall be manufactured by Schneider as their Kaedra range (equal & approved) & shall be constructed to provide ingress protection to IP65, impact protection to IK09 & shall be suitable for the external marine environment.
6. Exact positions of feature lights shall be confirmed with the Landscape Architect and Client on site.
7. Raise / lower columns shall be provided as identified to areas where lantern maintenance using mobile elevated working platforms can not be achieved. The contractor shall coordinate the direction of the raise/lower columns to facilitate future maintenance and the surrounding landscape.
8. CCTV camera installation shall be installed by STC Solutions.
9. Feeder pillar root bases to be provided with a minimum of 4No. 100mm dia ducts complete with slow radius bends. Ducts for UKPN supply cables shall be to UKPN specification.
10. refer to architects and structural engineers drawings for coordinated shelter lighting installation detail.

Key to symbols

HAZARD / RISK INFORMATION

It is a requirement that only experienced and competent contractors carry out the work described, using a recognised safe method of working. The following are specific significant residual risks identified by the designer and are additional to those hazards/risks normally associated with this type of work.

Construction :
HAZ - 001. Below ground services. Refer to drg MMD-302242-E-DR-00-XX-2804 for indicative extent of below ground services based on record information.
HAZARD EXISTS WITHIN SITE BOUNDARY.

Operations : n/a

Maintenance : n/a

Demolition : n/a

Rev	Date	Drawn	Description	Checked	Approved
6	28.10.2014	JR	Construction Issue	BG	JR
5	21.02.2014	JC	Tender Issue	BG	JR
4	14.02.2013	JC	Tender Issue	BG	JR
3	24.01.2014	JC	Tender Issue	BG	AC
2	16.01.2014	JC	Tender Issue	BG	AC
1	15.01.2014	JC	Tender Issue	BG	AC
O	18.12.2013	JC	Tender Issue	SB	AC

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Client

LOTTERY FUNDED

Title
Felixstowe Seafront Gardens
HLF 'Parks for People'
Lighting & CCTV Proposal
Layout 2 of 2

Designed	L.Scorer		Eng check	A.Chambers	
Drawn	S.Jeffery		Coordination	A.Chambers	
Dwg check	L.Scorer		Approved	M. Palmer	

Scale at A1: As shown
Status: CON
Rev: 6

Drawing Number: MMD-302242A-E-D -XX-2802

• Mott MacDonald Limited

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P:\Cambridge\Murdoch\SBT\PROJECTS\302242 Felixstowe Seafront Gardens\8.0 Drawings\8.1 Outgoing Drawings\MM
Active\MEP\MMD-302242A-E-DR-00-XX-2602.dwg Oct 28, 2014 - 11:48AM rsm67154

Pump Control Panel FP3
Existing feeder pillar with pump control panel. Replace existing feeder pillar with a new heritage style enclosure and refix pump control panel within new enclosure.

Town Hall Gardens Feeder Pillar FP1
Install new heritage style feeder pillar. Employ the services of UKPN to install a new single phase metered supply within the feeder pillar. Install a new single phase and neutral distribution board, 2 channel astronomical time switch & contactors, for lighting control of South Cliff shelter, & to provide off period for column lights if required. LED transformers shall also be installed within FP1

CCTV 1
1No. CCTV camera to be provided and installed by the Town Hall Council. Final position to be determined by SCDC.

CCTV 2
Provide new 1No. CCTV camera on existing promenade street lighting column. Power supply to be taken from load side of column luminaire protective device.

Water Fountain FP4
Existing distribution pillar and supply for fountain pump to be removed. A new heritage style feeder pillar positioned as detailed. The existing fountain pump shall be retained and re-used. A new supply cable shall be connected into the new feeder pillar. All necessary duct work shall be provided to facilitate the installation between the pump and feeder pillar.

Spa Approach Feeder Pillar FP8
Existing feeder pillar is located within an existing feature stone pillar. Employ the services of UKPN to remove the existing 60A SPN electrical supply cut-out arrangement, to the site boundary. All existing supply cable feeding the existing lighting installation shall be removed from point of source to point of supply.

Hamilton Gardens (West) Feeder Pillar FP6
New floor standing heritage style feeder pillar shall be installed. Employ the services of UKPN to provide a new LV supply and cut-out. Install new SPN distribution board, 2 channel astronomical time switch and contactors, for lighting control of feature lighting and globe lighting and to provide off period for column lights if required.

Pram Walk Feeder Pillar FP5
Existing 60A single phase electrical supply located within wall mounted wooden enclosure. Employ the services of the UKPN replace existing cut-out arrangement. Remove existing low voltage distribution equipment & any existing cabling associated with the garden lighting. Retained supplies feeding public roadway lighting shall be re-connected to new protective devices replaced on a like for like basis. Install a new floor standing heritage style feeder pillar to house the new UKPN equipment and install a new single phase and neutral distribution board. Install new 2 channel astronomical time switch to control globe lighting, and to provide off period for column lights if required.

Strip out existing redundant cable to the nearest point of safe utilisation. Ensure installation is left in safe working order. Report any unsafe findings.

Circulating Pump FP11
A new feeder pillar positioned as detailed housing a 16A SPN rotary isolator supplying a new pond circulating pump. All necessary duct work shall be provided to facilitate the installation between the pump and feeder pillar.

Strip out existing redundant cable to the nearest point of safe utilisation. Ensure installation is left in safe working order. Report any unsafe findings.

Existing column to be retained and wired as part of new circuit.

For continuation refer to Drg No MMD-302242-E-DR-00-XX-2802

THE SPA PAVILION
THE COACH HOUSE
SOUTH BEACH MANSION
UNDERCLIFFE ROAD WEST
CONVALESCENT HALL
FELIXSTOWE TOWN HALL

XH Linear luminaire providing functional uplighting.
XD1 Recessed spotlight providing a wash of of light to the shelter piers.
Gravel sump.

South Cliff Shelter Elevation
Scale 1:50

Install 3No 900mm Garda luminaires per seating bay within recess behind seating. FP2/3
Switching circuits shall be as follows:
Switch Circuit 1 - XD luminaires
Switch Circuit 2 - XF XH luminaires
Install recessed ground mounted spot luminaires within concrete base of shelter. FP2/3

South Cliff Shelter Plan
Scale 1:100

dimensions in mm

TYPICAL ELECTRICAL SERVICES COVER DEPTH ARRANGEMENT DETAIL NOT TO SCALE

Typical Pedestal Detail
Scale 1:20

Cast pedestal with decorative scrolls & access door
Cut-out within luminaire
600 x 600mm Masonry head detail to pillar
440 x 440mm masonry pier in brickwork or re-cut reclaimed masonry blocks cut to suit
Finished ground level
Soft landscaping
50mmØ Rigiduct to carry power cabling. Seal around slot after fitting duct to prevent ingress of soil and water.
Globe lantern supply cable
Minimum 900 x 900 x 600mm deep mass concrete foundation, cement grade GEN3, cast against the sides of the excavation
600 x 600 x 100mm deep recess in top of concrete foundation to receive baseplate and fitting

1:20 0 1m 2m
1:500 0 25m 50m

Notes

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8. CCTV camera installation shall be installed by STC Solutions.
9. Feeder pillar root bases to be provided with a minimum of 4No. 100mm dia ducts complete with slow radius bends. Ducts for UKPN supply cables shall be to UKPN specification.
10. refer to architects and structural engineers drawings for coordinated shelter lighting installation detail.

Key to symbols

For symbols legend refer to Drg No MMD-302242-E-DR-00-XX-2802

Steep bank

Pond Pump

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Maintenance : n/a

Demolition : n/a

Rev	Date	Drawn	Description	Ch'k'd	App'd
5	28.10.14	JR	Construction Issue	BG	SSR
4	21.02.14	JC	Tender Issue	BG	SSR
3	24.01.14	JC	Tender Issue	BG	SSR
2	16.01.14	JC	Tender Issue	SB	SSR
1	15.01.14	JC	Tender Issue	SB	SSR
0	18.12.13	JC	Tender Issue	SB	SSR

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Client
Waveney Coastal District Council
Heritage Lottery Fund
LOTTERY FUNDED
Felixstowe Peninsula For the Future

Title
Felixstowe Seafront Gardens
HLF 'Parks for People'
Lighting & CCTV Proposal
Layout 1 of 2

Designed	L.Scorer		Eng check	A. Chambers	
Drawn	S.Jeffery		Coordination	A.Chambers	
Dwg check	L.Scorer		Approved	M. Palmer	
Scale at A1	As shown	Status	CON	Rev	5
Drawing Number	MMD-302242A-E-DR-00-XX-2801				

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P:\Cambridge\Murdoch\EST\PROJECTS\ 242 Felixstowe Seafront Gardens\6.0 Drawings\6.1 Outgoing Drawings\MM Active\MS\PMMD-302242A-E-DR-00-XX-2801.dwg Oct 28, 2014 - 11:39AM rann6T154