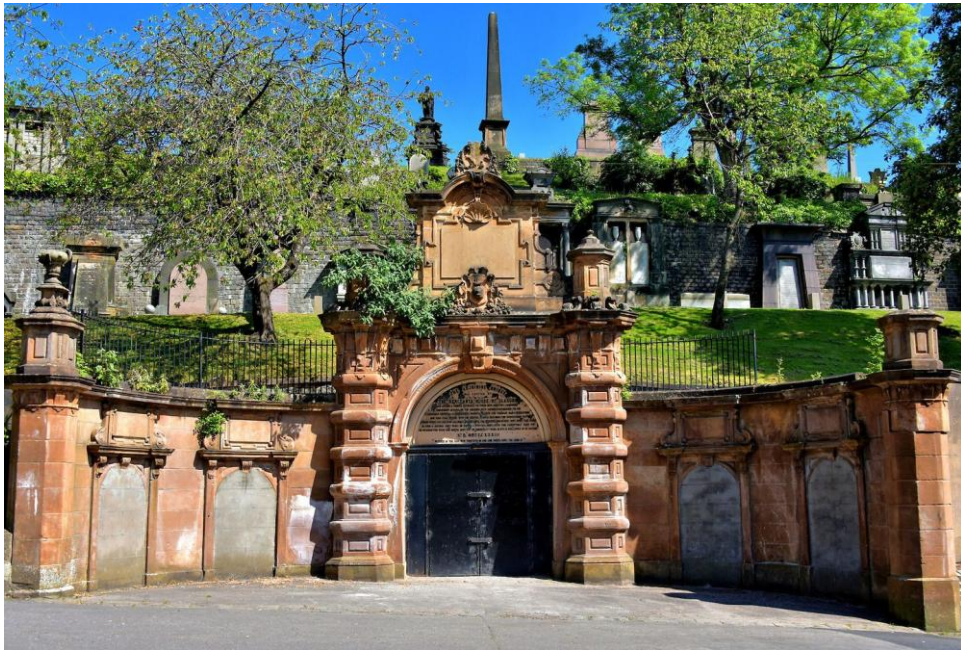




NRS CCTV Specification & Proposal Document

Proposed Description of Works for Glasgow Necropolis CCTV Installation





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Proposed Description of Works Return Specification Document and Costings

**Document
Prepared For
Job Ref:**

**01 of 01
GCC
NEO 1**



Rev	Rev Date	Prepared By	Approved By	Issue
01	05/02/2026	Martin Gordon	Martin Gordon	Proposed
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1. Introduction

1.1 Purpose of Document

The purpose of this document is to provide information in relation to the design, supply, installation, test and commissioning of a new Proposed CCTV cameras within Glasgow Necropolis

1.2 Proposals and Compliance

The systems described within this document have been installed in other locations within GCC and are compatible with the current Glasow Operations monitoring centre

All proposed equipment has been designed to allow for full integration capability and for ease of maintenance and servicing.

This technical submission is in response to your enquiry however it is based on the following information:

- *NRS CCTV Design*
- *Site Survey Carried Out by NRS Personnel*
- *Normal Working Hours 08.00 to 16:00*
- *Free access to all areas during install*

- *Drawings Received*
 - *Nil*
- *Specification Received*
 - *Nil*



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2. Scope of Works

This proposal is for the Design, Supply, Installation and Commissioning of the following systems.

We have provided two options for the installation of cameras. These options can be further tailored to meet site requirements

Cameras to cover Gates

This option involves the installation of a CCTV camera to provide coverage of both the existing and proposed new entrance at Firpark Street.

Due to the historical nature of the site and block, an ornate column will be installed to match the existing railing system.

A 24-hour mains electrical supply will be provided by others to power the camera and associated communication equipment. There is currently no provision within this proposal for battery backup or solar power options for the gate cameras; however, these can be added if required.

This solution provides 24-hour CCTV coverage using a single PTZ camera mounted on the column. The camera will be connected to the GCC control room via a new fibre installation for live viewing and recording purposes.

Please note that the costs associated with power provision and related civil works are not included in this estimate. It is assumed that these works will be undertaken by the on-site civil contractor responsible for the gate works. Please also note that this is an estimate only; final costs will be confirmed once instruction is received to proceed with the works.

Cameras to cover Necropolis Grounds

Option 1 – Preferred

This option involves the installation of a combined CCTV and lighting unit powered by integrated solar and wind generators. Groundworks will be carried out at the camera location, including excavation and the pouring of a concrete foundation, onto which the pole will be securely installed.

A mains electrical supply will also be provided to allow battery top-up during extended periods of poor solar and wind generation.



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This solution provides 24-hour CCTV coverage using two PTZ cameras mounted on the pole. Camera will be connected to GCC control room via mobile SIM. With the mains supply connected, the lighting system can be configured in one of two ways:

- Remain off but activate fully when a person is detected by the CCTV cameras*
- To operate at a low background light level on a timed schedule, increasing in brightness when a person is detected by the CCTV cameras.*

Please note that our costs for this option exclude any mains cabling and associated civil works. We are unable to include these elements as the location of the nearest electrical supply is currently unknown. Cost for mobile SIM connection is for two years.

Option 2 – Solar and Wind Only

This option includes the installation of a combined CCTV and lighting unit powered by solar and wind energy. The pole will be installed on a moveable concrete base. Depending on where the cameras are positioned, a small, level hardstanding area may be required.

The system runs entirely on renewable power with battery backup. During periods when there is limited sunlight or wind, the batteries will be removed and charged off site. The cost for battery charging and maintenance is included for a period of two years.

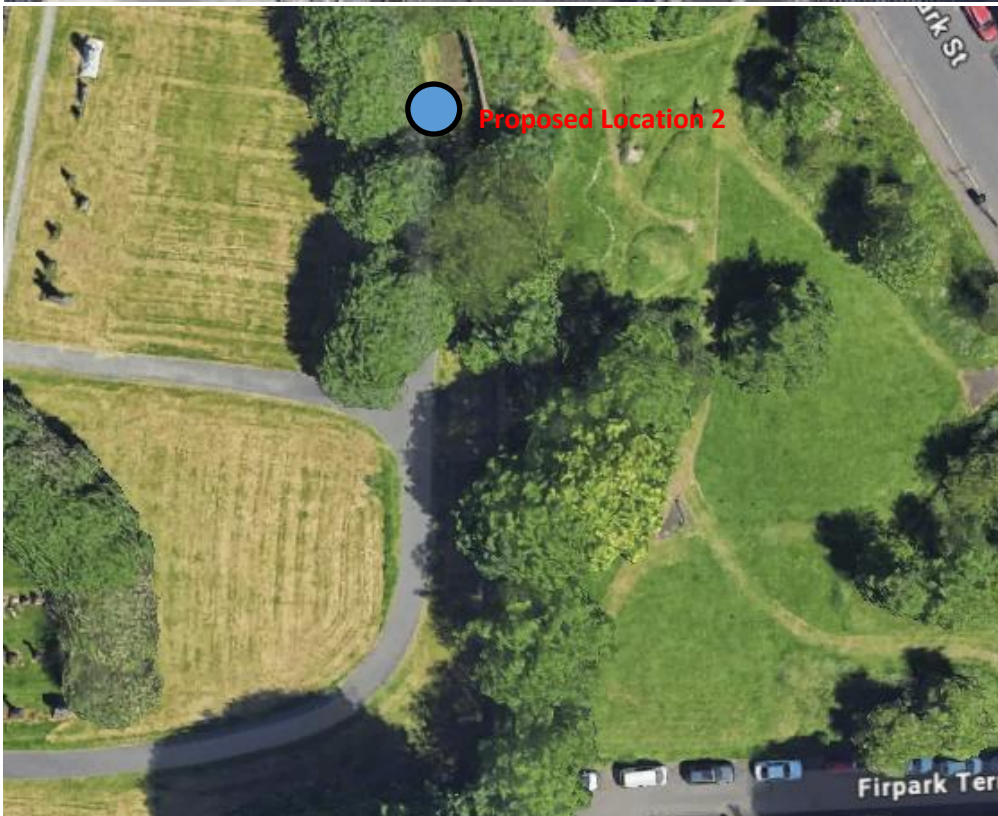
The system provides 24-hour CCTV coverage using two cameras mounted on the pole. To save battery power, the lighting will only switch on when a person is detected by the cameras.

Additional Wireless node.

The above costs are based on connecting the CCTV cameras to the monitoring station via the mobile network. Where available, we would recommend installing a wireless receiving point on the roof of one of the Drygate multi-storey flats. This would remove the need for mobile connectivity costs for the cameras and would also allow for the easy installation of additional cameras within the Necropolis and surrounding areas in the future.

We have included an estimate for this option; however, use of the roof would be subject to agreement with the housing association, and a full roof survey would be required before final costs can be confirmed..

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3. CCTV Monitoring System (Cont...)

Equipment Schedule

Option1 – New Gates

Qty	Part No	Description
1		8m Fixed Industrial Cabinet Based Pole 6m Fixed Industrial Cabinet Based Pole
1		Ornate with Gold detail
1		Frame
1		Pre delivery
1		Delivery
1		Sundry Product Code - RVX4S-POE-IRWL-B 37:1 4MP Zoom Ball PTZ, IR/ White Light, WIPER. High-PoE (802.3bt) 90W - Black
1		Fibre Costs

Option1 - Cameras to cover Necropolis Grounds

Qty	Part No	Description
1		8m Fixed Industrial Cabinet Based Pole 6m Fixed Industrial Cabinet Based Pole
1		Frame
1		Pre delivery
1		Delivery
1		Civils
2		Axis M5526-E 4MP Dome
1		AIOT-C3 (Custom Build Smart Hub with controllable lighting, 1x LED Array- Inc 2x 2x30Ah
3		100Ah Lithium Battery
1		Solar Panel 150W
1		Installation
1		Access equipment
1		Maintenance
1		2 Year Mobile Connection



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Option 2 - Cameras to cover Necropolis Grounds

Qty	Part No	Description
1		8m Fixed Industrial Cabinet Based Pole each £954 With 4 Point Locking
1		Pre-Cast Cylindrical Block each £612 Ø1300 x 650 With Ducting (not HE) (Weight = 2040kg each)
1		M20 Lifting Loop (Pair)
1		Painting Charge
1		Delivery
2		Axis M5526-E 4MP Dome
1		AIOT-C3 (Custom Build Smart Hub with controllable lighting, 1x LED Array- Inc 2x 2x30Ah
3		100Ah Lithium Battery
1		Solar Panel 150W
1		Installation
1		Access equipment
1		Maintenance
		2 Year Mobile Connection

Drygate Node Point

Qty	Part No	Description
1		Ubiquiti ES-24-250W EdgeSwitch 24 Port Managed Gigabit PoE+ Switch
1		Excel Environ 400mm Deep x 600mm Wide Wall Rack
1		Ubiquiti 5GHz airFiber Dish, 34dBi, Slant 45
1		Ubiquiti Access Point
1		In Stock: Next Day

4. Cost Summary

To Design, supply, install, test and commission the systems as described within this document:

New Gate Cameras Estimate Per Pole	£30,000
Option 1 Ground Estimate Per Pole :	£22,300
Option 2 Grounds Estimate Per Pole :	£21,000
Drygate Node Point	£3,000 – Subject to site survey

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5. Important Notes

Your attention is drawn specifically to the limitation of compliance and to the specification qualifications as detailed below:

We have made no allowance for the following services which are to be provided by others on our behalf where required:

- *These are estimated costed and can be subject to change on completion of works*
- *Any cost for external power or ducting are not included within these estimates .*
- *Additional cost make be required for placing poles/ bases should Hiab be unable to access Necropolis grounds*
- *Our costs are based on normal working hours only 08.00 to 16:00.*