



Scottish Natural Heritage Dualchas Nàdair na h-Alba

All of nature for all of Scotland
Nàdar air fad airson Alba air fad

The Chief Executive
City of Edinburgh Council
Waverley Court
4 East Market Street
Edinburgh
EH8 8BG

21 January 2011
Our ref: SIT/SSSI/91/NOT/REV

Dear Sir

Arthur's Seat Volcano Site of Special Scientific Interest (SSSI)

You may be aware from earlier correspondence that the Nature Conservation (Scotland) Act 2004 overhauled the arrangements for SSSIs*. Scottish Natural Heritage may now review existing SSSI notification documents and consents and update and improve them to help you benefit from the new arrangements.

We have now reviewed the documents for your SSSI and have made the following changes. The reviewed documents take effect from the date of this letter:

Boundary map – We have enclosed an updated representation of the overall SSSI map, with individual maps for each constituent part of the SSSI. We have not changed the site boundary.

Citation – we have updated various administrative details and remarks.

List of operations requiring consent (ORC list)

Note that public bodies must have regard to all aspects of their functions affecting an SSSI (s.12) or likely to damage the natural features of an SSSI (s.13) and not just those described in the relevant ORC list.

Site management statement

We have updated the site's management statement. We keep these statements under review and would be interested to hear from you of any comments on our vision for the management of this site or, indeed, of any suggestions for a different approach to conserving and enhancing its natural features.

Consents

The 2004 Act did not carry forward consents issued under earlier legislation to public bodies. If you now propose to carry out any operation likely to damage the natural features of an SSSI, whether that operation is carried out inside or outside of the site boundary, you must apply to SNH for a new consent.

If you identify a need for SNH consent please contact me with details of the proposed operation, its start and end dates and the land that will be affected - allowing 28 days for us to respond.

Scottish Natural Heritage, Lothians Office, Silvan House, 3rd Floor East, 231 Corstorphine Road,
Edinburgh, EH12 7AT
Tel: 0131 316 2600 Fax: 0131 316 2690 email: forename.surname@snh.gov.uk www.snh.gov.uk



For your information we have collated our records of consent(s) issued to you (or to any previous owner of your land within the SSSI). Where we have issued consents for the same or very similar operations at different times we may have combined these into a single listing.

Please note that it is an offence to carry out operations likely to damage a natural feature of an SSSI without consent (exceptions apply), whether or not a natural feature is damaged.

I hope you find these reviewed documents and list of your collated consents both helpful and informative. Should you require additional copies of the citation or ORC list, for example to give to any new owner or occupier of your land within the SSSI, please contact me. Alternatively, you can get them from our website through the SNHi/ SiteLink facility (www.snh.gov.uk/snhi/ or link on the home page).

If you have any comments or queries, please do not hesitate to contact me.

Yours faithfully



Area Manager

*The relevant sections of the 2004 Act are...

- 6(5) & 8(1) and Schedule 5 (5) for the notification of amended documents,
- 6(4), Schedule 5(3)(d), 16(5)(a) & 17(4) regarding consents, and
- Schedule 5(4) for the adoption of site management statement.

Consented operations

All consents relating to your land and previously issued by Scottish Natural Heritage or its predecessor bodies for operations within the above named SSSI, their current status and our reasons for any changes.

Name of SSSI	Arthur's Seat Volcano SSSI	Name of owner or occupier	City of Edinburgh Council
ORC No	Previously consented operations	Current status	Reviewed consents
4	Changes in the grass cutting regime (introduction of edge cutting 10 X per annum) as per attached map.	Public body consent - not carried forward	
20	Excavation to form foundations	Time expired	
21	Erection of a Democracy Cairn	Time expired	
10	The killing or removal of invertebrate specimens for identification purposes during a survey visit on 19 May 2001	Time expired	
27	Research activities likely to damage vegetation (removal of small specimens of mosses and other lower plants for identification purposes) during a survey visit on 19 May 2001.	Time expired	
1, 4, 5, 6, 11, 21, 23	Existing management regime in parkland and mown grass areas.	Public body consent - not carried forward	
7	Regrading of soil round existing roads, flowerbeds and reseeded areas.	Public body consent - not carried forward	
11	Removal of dangerous trees.	Public body consent - not carried forward	
20	Removal of topsoil and subsoil from parkland area.	Public body consent - not carried forward	
21	Maintenance of existing walls, fences and structures.	Public body consent - not carried forward	
27	Existing recreational use of mown grass areas.	Public body consent - not carried forward	
21, 22, 23	to replace existing columns and install new cable trenches as indicated on attached map. Existing columns to be replaced in the same location, holes around 360mm diameter and 800mm deep, unless rock is encountered where it will be restricted to 600mm. Trenches to be dug to a proposed 350mm wide and 500mm deep unless rock is encountered where depth will be 250mm and Gen 3 concrete used. Work to commence the week 18 February 2008 and due for completion 7 March 2008	Time expired	
21, 23	Construction of electrification mast foundations. Erection of mast structure. Erection of associated security fencing.	Time expired	



Scottish Natural Heritage Dualchas Nàdair na h-Alba

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[REDACTED]
Parks and Greenspace
Services for Communities
City of Edinburgh Council
C3 Waverley Court
4 East Market Street
Edinburgh
EH8 8BG

14 April 2011
Our ref: SIT/SSSI/91/INF

Dear [REDACTED]

CALTON HILL - ARTHUR'S SEAT VOLCANO SSSI ORCS AND CONSENTS

Thank you for arranging the recent meeting to discuss what consents will be required for Calton Hill SSSI, in light of the recent Nature Conservation Act review. Various actions from the meeting have been progressed and these are summarised below.

Events and Consents

Thank you for the recent information you sent to us about the events that take place on Calton Hill. Having looked through the list, and in the absence of more detailed information, it is likely that the vast majority of the events do not involve any of the activities listed in the Operations Requiring Consent (ORC) list and therefore would not require consent. The festivals are the most likely events to involve activities on the ORC list and therefore require consents.

Although the other events are unlikely to require consents, should the detail show that they involve activities within the ORC list, then we can discuss and issue consents for them on an individual basis, as and when they occur.

In the meantime, we can look at the standard detail of what is involved with the annual festivals to see what ORCs they fall under eg. ORC 8 or ORC 23, so we can issue consents for these activities.

Burning and Geology

Following on from concerns about burning which were raised at our meeting, we visited Calton Hill with our geologist to have a look at the geology on the summit of hill, and any potential impacts from the fire festivals and burning at this location. The conclusion was that the burning is not a problem for the geology, as it maintains the important exposures at this location. Therefore, from a SSSI point of view, there is no requirement to control the burning here. The geologist's advice is detailed below:



Scottish Natural Heritage, Lothians Area Office, Silvan House, 3rd Floor East, 231 Corstorphine Road,
Edinburgh, EH12 7AT
Tel 0131 316 2600 Fax 0131 316 2690 email: forename.surname@snh.gov.uk www.snh.gov.uk

“The area around the trig point is described as a ‘crucial area’ of geological interest, according to the Earth Science Site Documentation report. It illustrates a good exposure of volcanic ash and may demonstrate, in two small areas, the top-most surface of an underlying lava flow. The occurrence of a junction between two rock types, as appears to be the case here, is very valuable in an area where rock exposure is not particularly good.

In terms of events which involve fires and burning, there is little impact of bonfires on the rock outcrop. We are therefore not concerned at fires in this area continuing. Apart from discolouration the general structural integrity of the *in situ* rock and access to it for research and education are not being affected. Burning is helping to prevent soil formation and the growth of vegetation which would probably otherwise obscure this important exposure.

It should be noted that any efforts to install permanent structures at this spot or to cover it over with turf or other material, would adversely affect access and visibility. Similarly efforts at augmenting the existing infrastructure (the trig point and metal pin and ring) could be damaging.”

Consent applications

I have attached a consent application table for you to fill in details of what consents you require at present, such as the annual festivals, maintenance and management of the SSSI, and any other projects which may involve ORC activities. I also attach a copy of the ORC list which we showed you at the meeting. If you can complete this table, then we can discuss and issue consents for these various activities.

You may also use this table for subsequent consent applications as and when they arise, or alternatively, write to us with details of what is proposed eg. what, where, when and how.

I hope this information is useful and I look forward to hearing from you with further consent application details in due course.

Yours sincerely



Edinburgh

Cc 



Scottish Natural Heritage
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[REDACTED]
The City of Edinburgh Council
4 East Market Street
Edinburgh
EH8 8BG

06 December 2012
Our ref: SIT/SSSI/91/NOT/TEN

Dear [REDACTED]

ARTHUR'S SEAT VOLCANO SITE OF SPECIAL SCIENTIFIC INTEREST

Thank you for your email of the 30 November 2012 applying for consent to carry out the following operations likely to damage the protected natural feature of Arthur's Seat SSSI:

Hand digging of a series trial pits to identify water pipes and rock levels, as per your email dated 30 November 2012 and accompanying drawing named *AK_0_009 Proposed Trial Pits Calton Hill*. Works to take place during December 2012.

Scottish Natural Heritage consents to the above proposal being carried out in the manner, timing and location specified.

In accordance with section 13(6) of the Nature Conservation (Scotland) Act 2004, we have the following advice in relation to the consented operation:

- any excess material from the pits is not heaped against, or allowed to obscure, existing rock exposures;
- the British Geological Survey ([REDACTED]) should be notified of the work in order that arrangements could be made, if the BGS wishes to do so, to examine any temporary exposure of rock revealed in the pits; and
- if the BGS do not have resources to undertake an opportunistic study of any temporary exposure of rock, then the Scottish Geodiversity Forum should be contacted (chair@scottishgeodiversityforum.org).

The issue of this consent does not absolve you from any contractual or legal responsibility you may have to inform or obtain the consent of any other party, including that of relevant landowners, prior to carrying out the proposed operation.

Yours sincerely

[REDACTED]
Operations Officer
Forth



INVESTOR IN PEOPLE

Scottish Natural Heritage, Lothians Area Office, Silvan House, 3rd Floor East, 231 Corstorphine Road, Edinburgh, EH12 7AT
Tel 0131 316 2600 Fax 0131 316 2690 email: forename.surname@snh.gov.uk www.snh.gov.uk

[REDACTED]

From: [REDACTED]
Sent: 06 December 2012 14:44
To: [REDACTED]
Subject: Calton Hill - SSSI consent for trial pits

[REDACTED]

Thanks for getting in touch today. I have enough information for the SSSI consent, I've also heard back from our geological advisor who has no concerns about this phase of the project (trial pit digging). So the consent letter is attached to this email

I'll come and speak to you early next week to find out more about the next stages of this project.

[REDACTED]

Operations Officer - Forth | Scottish Natural Heritage | Silvan House, 3rd Floor East | 231
Corstorphine Road | Edinburgh | EH12 7AT | [REDACTED] snh.gov.uk

From: [REDACTED]@edinburgh.gov.uk]
Sent: 30 November 2012 15:33
To: [REDACTED]
Subject: RE: Calton Hill information

[REDACTED]

The work is scheduled to take place as soon as possible. Perhaps we should give ourselves a bit of leeway and say somewhere in the month of December.

In terms of a method statement, I'm not sure what the method statement looks like. I do know that it is a hand dig only so that there is to be little risk of damage to the pipe or the rock. All of the holes are to be within grassed areas, so I guess that the grass will be set aside and carefully reinstated after the dig. (Some of the locations on the drawing are indicated on footpaths. We will be taking the nearest point on a grassed surface.) I guess that there is a likelihood that there rock has been disturbed when the pipes were installed in the first place.

If this is insufficient a statement, perhaps you could send me some guidelines or a previous suitable statement.

I would be happy to meet with you to describe our project whenever suits you. I am available next week except Wednesday and Thursday, or anytime the following week. I pass your building on my way in and out of work and would be happy to drop in if that helps.

[REDACTED]

From: [REDACTED]@snh.gov.uk]
Sent: 30 November 2012 11:57
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Calton Hill information

[REDACTED]

[REDACTED] has asked me to work with you on this application for consent. I've asked our geological advisor for his advice, and whether he thinks we need to visit the site for a closer look. Either way, if he's happy with the proposed works then I can turn around the consent application pretty quickly, within a day or two.

I've already got a lot of information that I need for the consent application but I also need:

- a date range for when the works will take place; and
- a clear method statement that tells us how you'll dig and restore the trial sites.

I understand that these trial pits are the first investigative stages of a larger project - so it might be a good idea for us to meet up to get a better picture of the whole project and whether there are likely to be any issues relating to the SSSI.

I'll speak to our geologist next Wednesday (he's off today, and I work part-time) - I hope that's ok, give me a call today if you'd like to discuss.

Thanks

[REDACTED]
[REDACTED] | Operations Officer - Forth | Scottish Natural Heritage | Silvan House, 3rd Floor East | 231
Corstorphine Road | Edinburgh | EH12 7AT | [REDACTED]@snh.gov.uk

From: [REDACTED]@edinburgh.gov.uk
Sent: 20 November 2012 14:12
To: [REDACTED]
Cc: [REDACTED]
Subject: FW: Calton Hill information

[REDACTED]

...and a copy with the attachment...

From: [REDACTED]
Sent: 20 November 2012 14:05
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Calton Hill information

[REDACTED]

Further to our conversation this morning I attach a drawing which shows the locations for some trial holes on the site. These are to identify pipes and rock levels to better inform future discussions with you about some proposed work including the replacement of the existing lead water supply and connections to drainage.

The nature of the holes will be hand digging only. It seems reasonable to suggest that these are the locations of previous excavations, so no virgin soil will be disturbed. The holes will be dug, backfilled and made good within a day so that there is no danger to the public from excavations left open overnight.

I understand that we need to obtain consent from yourselves for the exploratory work. We hope to have the work carried out as soon as possible so as to limit delay in the design process. Are you able to provide consent?

Regards [REDACTED]

PS. I mentioned that a question had been raised about the use of air source heat pumps in an SSSI. We currently propose using them at Calton Hill. Are you aware of any such restrictions that may apply here?

From: [REDACTED]@snh.gov.uk]
Sent: 22 June 2012 10:40
To: [REDACTED]
Subject: Calton Hill information

[REDACTED]

I've sent you a link to the sitelink page on our website. If you click on the Operation Requiring Consent, you will get the list of activities that will need discussion and consent from us:
http://gateway.snh.gov.uk/sitelink/siteinfo.jsp?pa_code=91

I've also attached a map showing the geological interest of the site. This is an old map (I believe the documents are being updated) but they show the crucial areas of importance (marked in red) which are key geological features which demonstrate the interest of the site. The rest of the site is also designated for geology but it's not as important as these key areas (which are mainly on the rocky slopes).

Hope this helps just now,

[REDACTED]
Operations Officer
Edinburgh

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Thoiribh an aire airson adhbharan gnothaich, 's dòcha gun tèid sùil a chumail air puist-dealain a' tighinn a-steach agus a' dol a-mach bho SNH

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[REDACTED]

From: [REDACTED]@edinburgh.gov.uk>
Sent: 20 November 2012 14:12
To: [REDACTED]
Cc: [REDACTED]
Subject: FW: Calton Hill information
Attachments: AK_0_009 Proposed trial pits Calton Hill.pdf

[REDACTED]

....and a copy with the attachment...

Regards [REDACTED]

From: [REDACTED]
Sent: 20 November 2012 14:05
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Calton Hill information

[REDACTED]

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**Operations Officer
Edinburgh**

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Thoiribh an aire airson adhbharan gnothaich, 's dòcha gun tèid sùil a chumail air puist-dealain a' tighinn a-steach agus a' dol a-mach bho SNH

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[REDACTED]

From: [REDACTED]@edinburgh.gov.uk>
Sent: 04 April 2013 14:26
To: [REDACTED]
Subject: RE: Collective Gallery Relocation to Calton Hill

[REDACTED]

The contract dates for the water main contract are between the beginning of June and the end of September 2013.

Thanks for your help

Regards [REDACTED]

From: [REDACTED]@snh.gov.uk]
Sent: 04 April 2013 08:46
To: [REDACTED]
Subject: RE: Collective Gallery Relocation to Calton Hill

[REDACTED]

I think the only contract which will require SSSI consent is the third one for the new water supply. The other two both appear to be taking place outside the SSSI.

The only further information I need from you is a start and end date - this can be quite wide if you don't have it pinned down yet (e.g. 01 May to 01 December 2013).

I have asked for our geology advisor to provide some advice, once I have that and your dates I should be able to issue to the consent.

Best wishes

[REDACTED]

Operations Officer - Lothians
Scottish Natural Heritage
Silvan House, 3rd Floor East, 231 Corstorphine Road
Edinburgh EH12 7AT

Tel [REDACTED]

From: [REDACTED]@edinburgh.gov.uk]
Sent: 28 March 2013 17:29
To: [REDACTED]
Subject: Collective Gallery Relocation to Calton Hill

[REDACTED]

Following our discussions I attach drawings which describe the proposed works on Calton Hill. The works are divided into three separate contracts:-

- **A temporary Gallery** to the left, (South), of the main access gates on the east side to the Observatory compound. This is expected to be there for up to two years. The work will involve forming new pad foundations

through the tarmac surface and onto the rock below. and excavating new services routes for water, power and telephones in a single trench 750mm deep approximately. The contract will take place over the month of May 2013.

- **A contract to bring the City Dome building into basic use.** This will involve some ground works in terms of a new drainage connection between the City Dome and the drainage on the west side of the Observatory house. This will be in the path around the north side of the observatory compound. Inside the building the floor is to be lowered to accommodate a new level access floor. This will involve excavation through the rock by perhaps 100 - 200mm over the main space and 500mm in one corner. This contract will take place between mid June and the end of September 2013
- **A new water supply to all the buildings on the hill.** This will involve a new pump house behind the retaining wall by the bus stop opposite New Parliament House and a new drainage track about 800mm deep from there to all the buildings on the hill including the Nelson Monument. This will entail excavating through the rock slope facing onto New Parliament House, through pathways and turfed areas as per the attached plan, (Partial view AK 0 001 water main work). It will also entail the removal of the existing pump house on the grass to the south of the Observatory compound.

I would comment as follows

- We have a full survey of all the services on the area of the hill involved and more detailed trench details etc for the new services routes
- We have combined all the service runs we can within common trenches and rationalised these as far as we can.
- The routes avoid trees as much as possible
- We are not in a position to confirm excavation methods until we have a contractor on board.

Can you advise if you require any further information and if we can proceed with the works.



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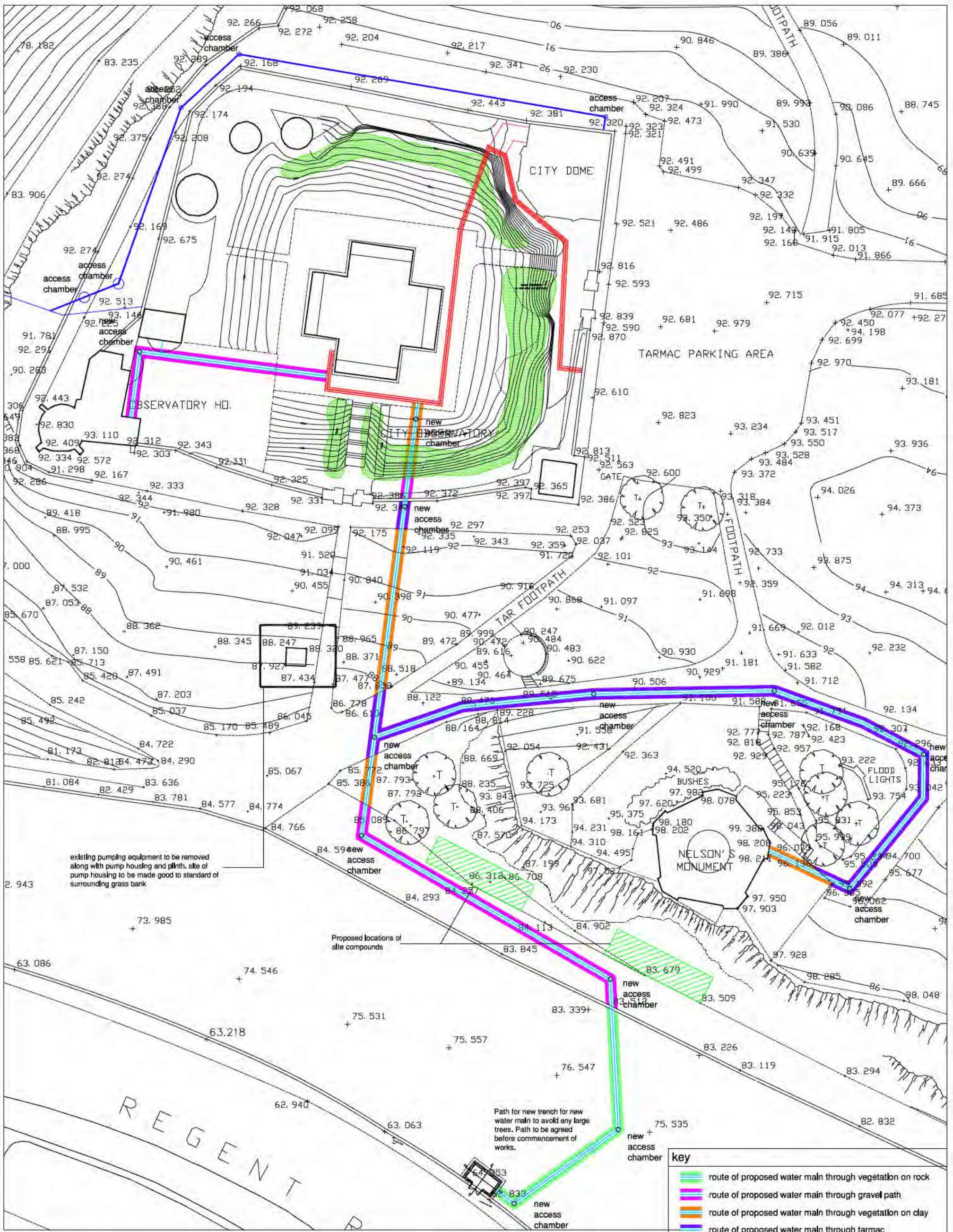
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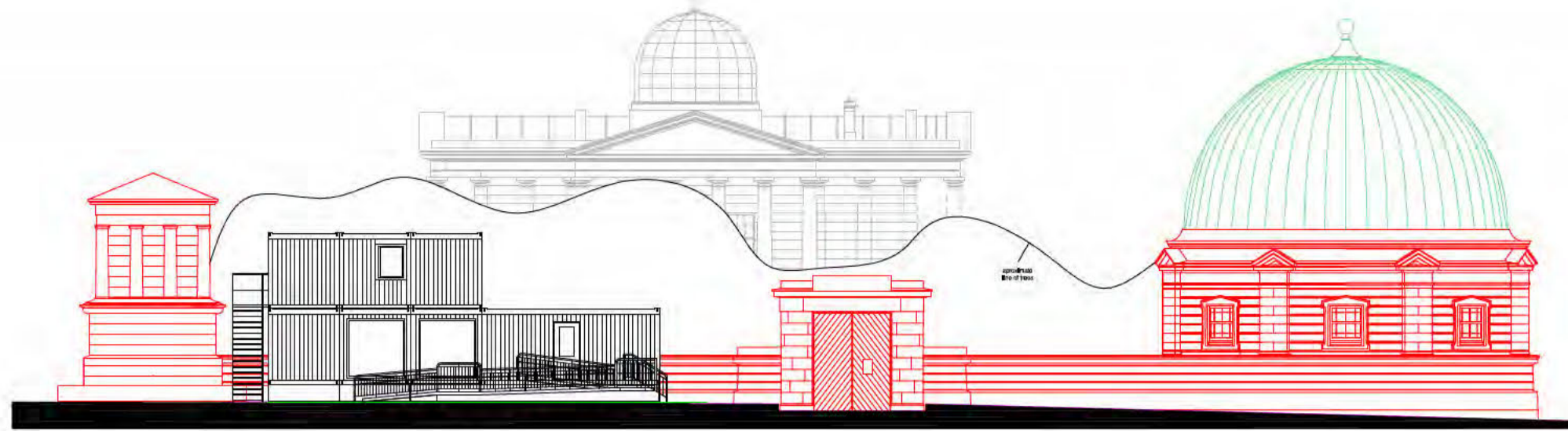
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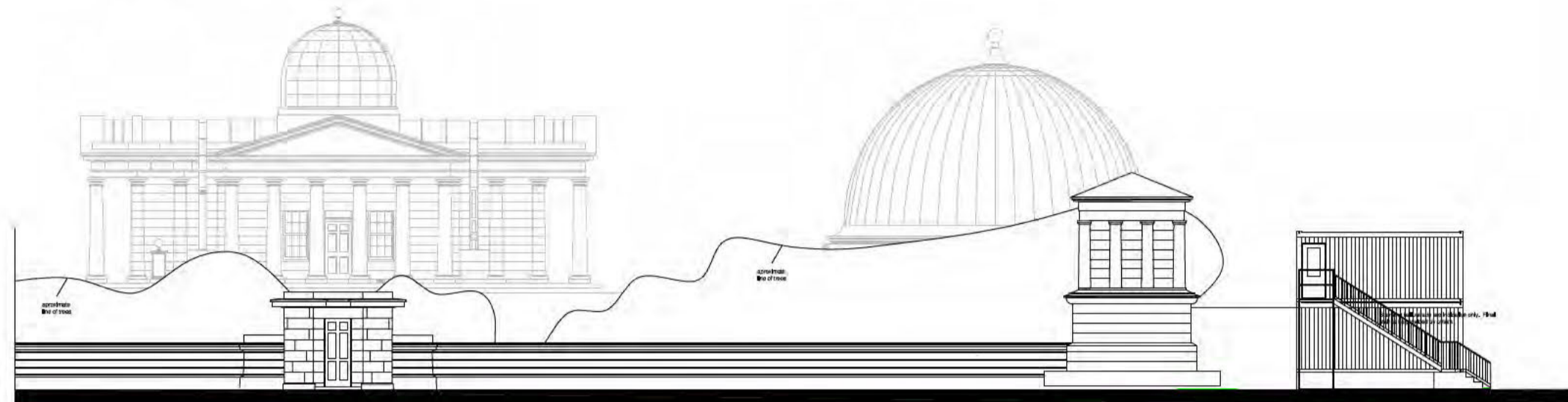
Thoiribh an aire airson adhbharan gnothaich, 's dòcha gun tèid sùil a chumail air puist-dealain a' tighinn a-steach agus a' dol a-mach bho SNH



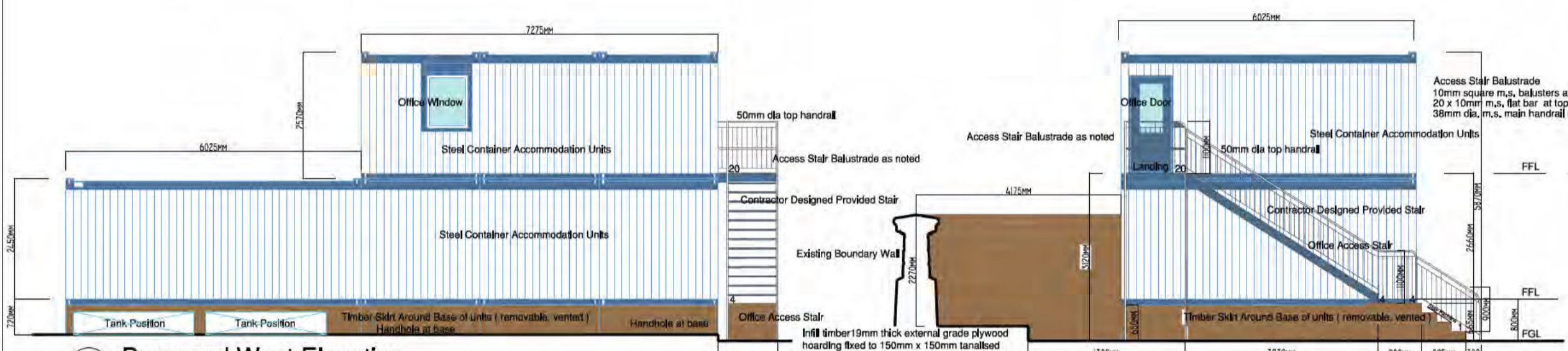
proposed route of new water main @ 1:500



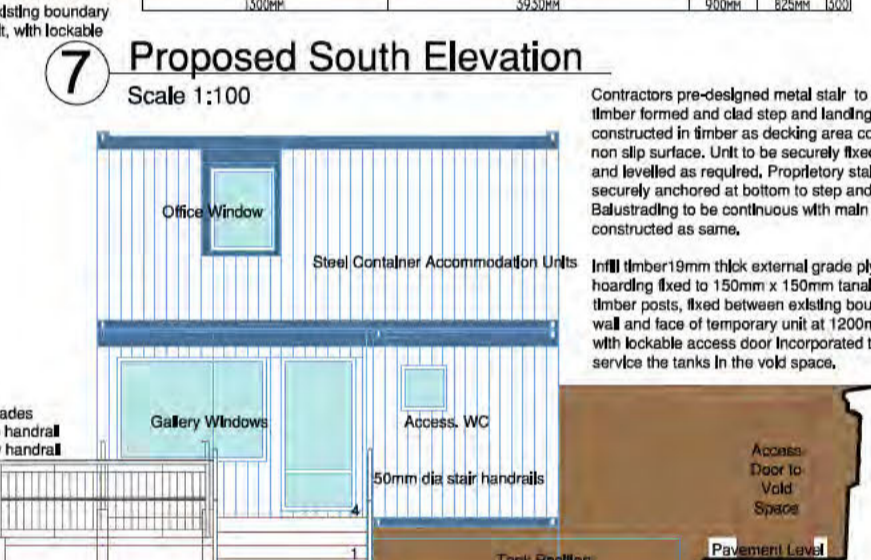
1 East Elevation
Scale 1:200



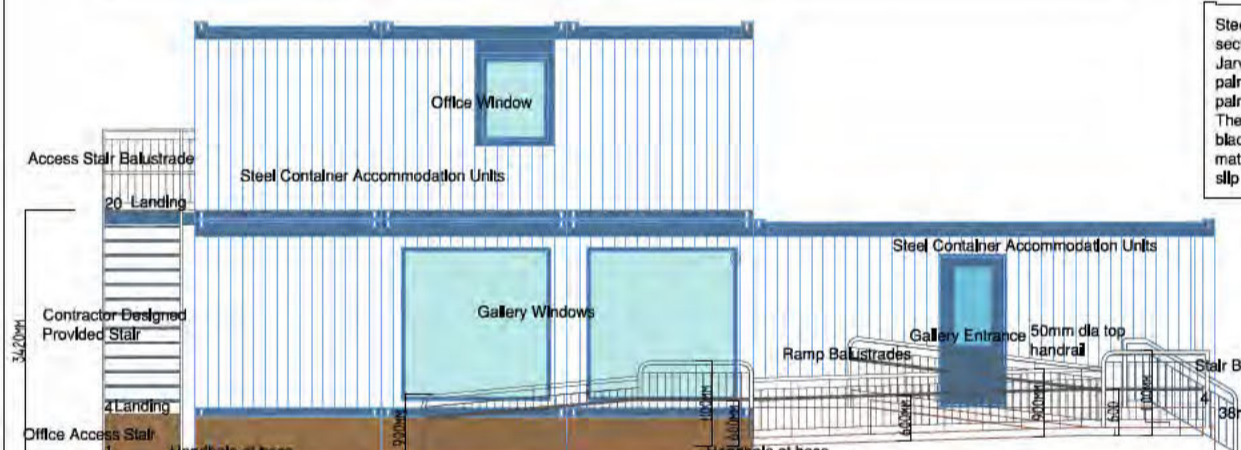
2 South Elevation
Scale 1:200



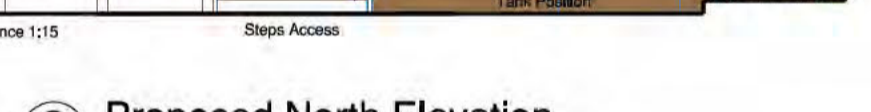
5 Proposed West Elevation
Scale 1:100



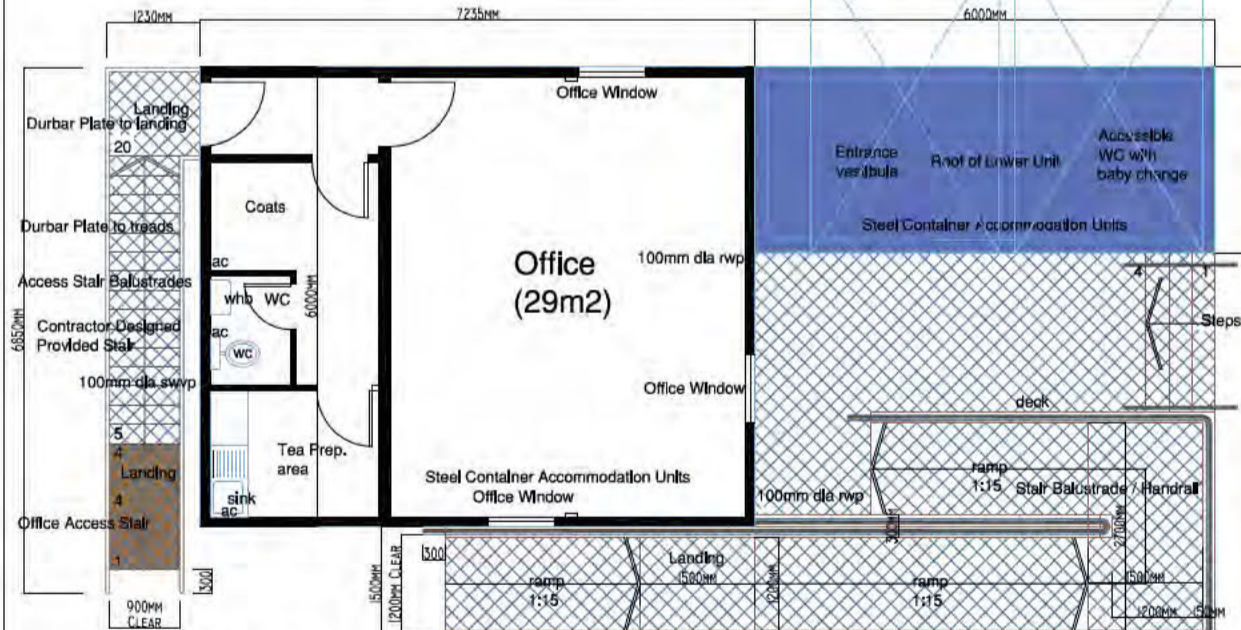
7 Proposed South Elevation
Scale 1:100



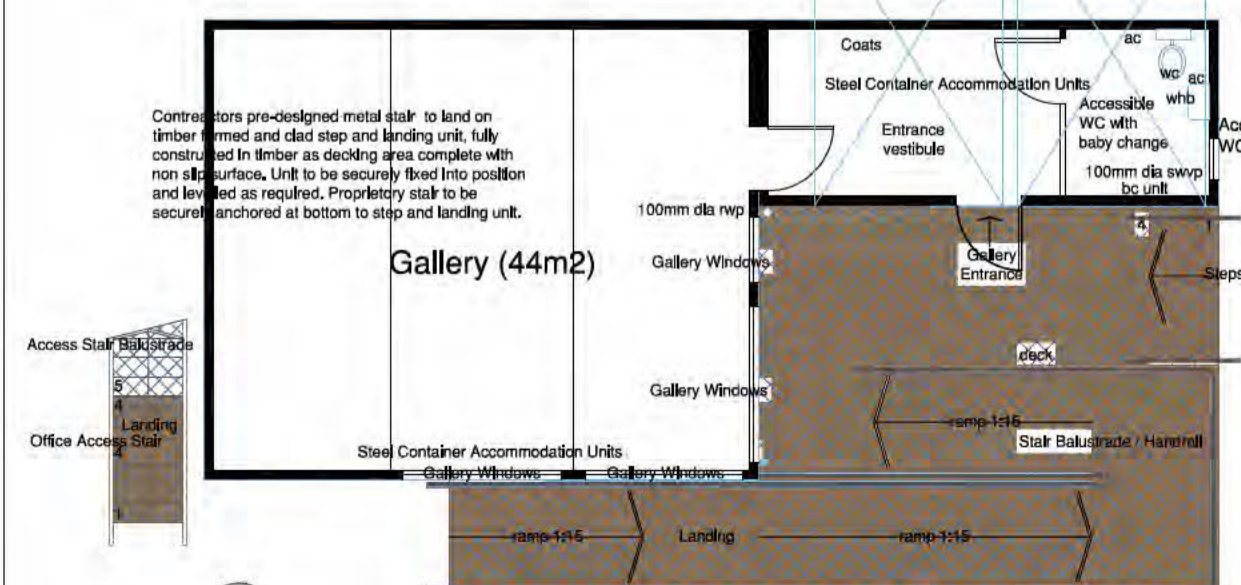
8 Proposed East Elevation
Scale 1:100



6 Proposed North Elevation
Scale 1:100



3 Proposed First floor plan
Scale 1:100



4 Proposed Ground Floor Plan
Scale 1:100

Complete Deck Area, Ramps and Access Steps, all to be formed in 150mm x 50mm Tannalised timber construction, framed up to form the deck platform frame, ramp contours and access steps. Provide tannalised timber shims to ensure a completely level deck platform. All surfaces to be clad finished with proprietary tannalised decking timber boarding, all fixed to manufacturers specifications, recommendations and instructions, to be secured fixed to avoid nails, bolts etc. showing. All finished timbers to be fully finished and prepared to receive 3 coats timber decking preservative finish. Complete level area to be overlaid with a suitable non slip finished, applied / fixed securely to the decking surface. Form 150mm wide x 100mm high finished timber upstands to both sides of ramps and ramp landings as shown, and securely fix through to framing timbers with anchor bolts / screws.

External Stair Specification: All sizes to be verified on site by Contractor prior to fabrication of stair and step unit.

Main deck level to be verified also to ascertain correct height for main steps and ramp rise and travel at noted gradient.

Main Stair total rise = 2600mm, No of Risers = 16, Rise = 162mm total going = 4120mm, No of Treads = 15, Tread = 275mm Aggregate of Going = 2 (Rise 1) to be between 550mm - 700mm Actual = 275mm x 2 (160mm) = 607mm Pitch Allowed = 35 deg, Actual Pitch = 31.2deg.

Timber Step Unit at base of stair to be constructed to replicate the above sizes to ensure that the going and rise throughout remains constant.

Main decking level steps to follow the above sizes, but Contractor to confirm dimensions before construction and to ensure that they follow the above criteria as set out in the Building Standards (Scotland) Regulations.

Ramp to be set out as shown, but Contractor to confirm dimensions before construction to ensure correct set-out.

General Notes

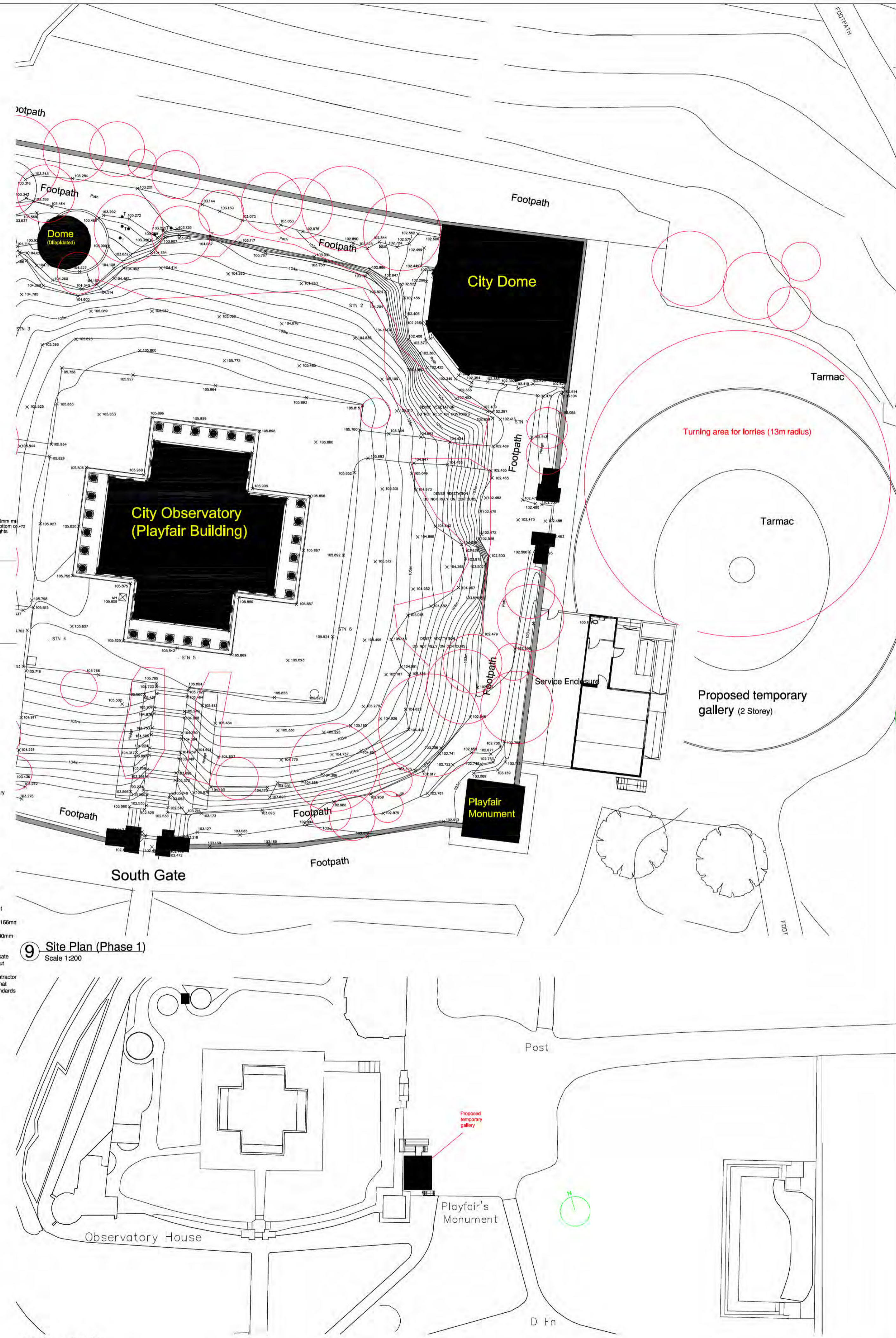
All construction work to be in full compliance with the Current Building Standards Regulations (Scotland) and all amendments.

All dimensions to be checked on site by the contractor, prior to construction.

Uplift existing surface paving slabs, tarmac and grass etc, as necessary to prepare the area for construction and locating of units. Contractor to fully survey area prior placing founds etc for units, to avoid any disruption of existing services and to locate any suspect areas of ground requiring preparation / remedial works to his full satisfaction.

Handrails and Uprights to be fabricated from CHS as noted and set into timber using an appropriate anchor bolt.

Handrails and uprights all to be fully galvanized and fully prepared to receive and be finished with 1 No coat primer, 1 No coat undercoat, 2 No coats glass. (Colour : Black). Exact profile of ramps and steps to be confirmed by Contractor by prior checking and confirming of sizes on site.



9 Site Plan (Phase 1)
Scale 1:200

10 Location Plan
Scale 1:1000

Rev.	Description	Date	Chk
D	Scheme Amended	20/03/13	ID
C	Jarvie temporary Building Option & phase 2 omitted	06/03/13	TIR
B	Option & phase 2 omitted	28/07/12	TIR
A	Detailed plans added	27/07/12	TIR
0	Original document	00/00/00	TIR

EDINBURGH
THE CITY OF EDINBURGH COUNCIL

Services for Communities
PROPERTY SERVICES
329 High Street, Edinburgh, EH1 1PN
Tel. 0131 200 2000 Fax. 0131 529 7077

Project:
**City Observatory
Collective Gallery
Relocation**

Project No.
A0372

Drawing Title:
**Temporary Buildings
Site, Location & Floor Plans
Principal Elevations**

Drawing No.
AK(0)010

Rev.
D

Purpose/Issue:
Information

Date:
02/08/2012

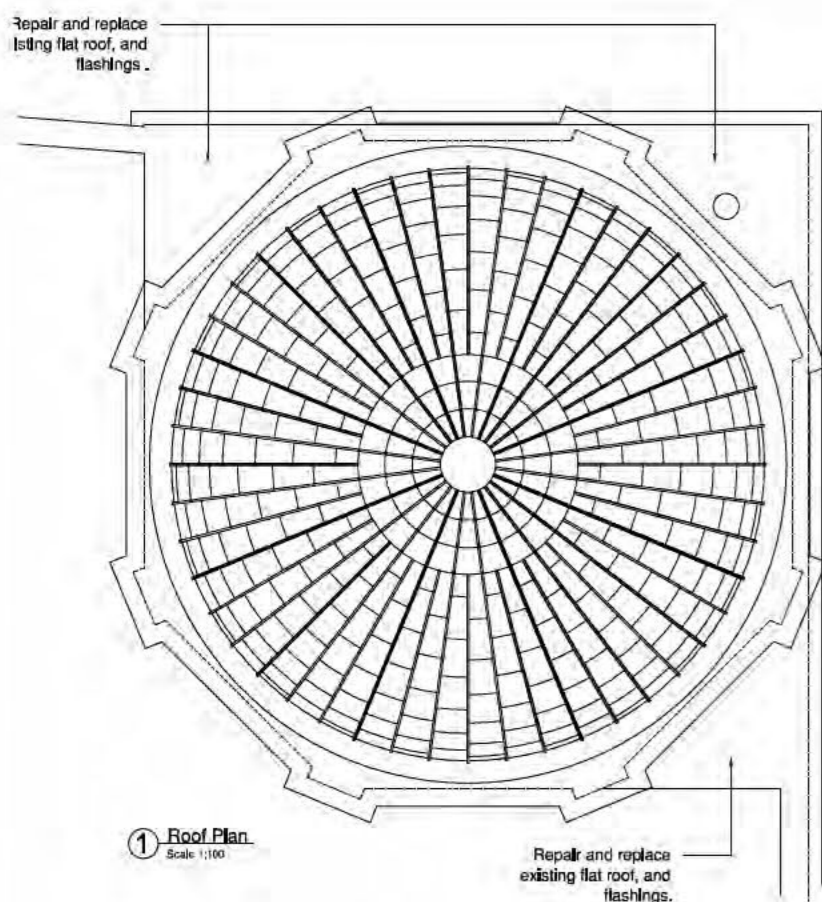
Scale:
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Drawn:
TIR

Checked:
Date:

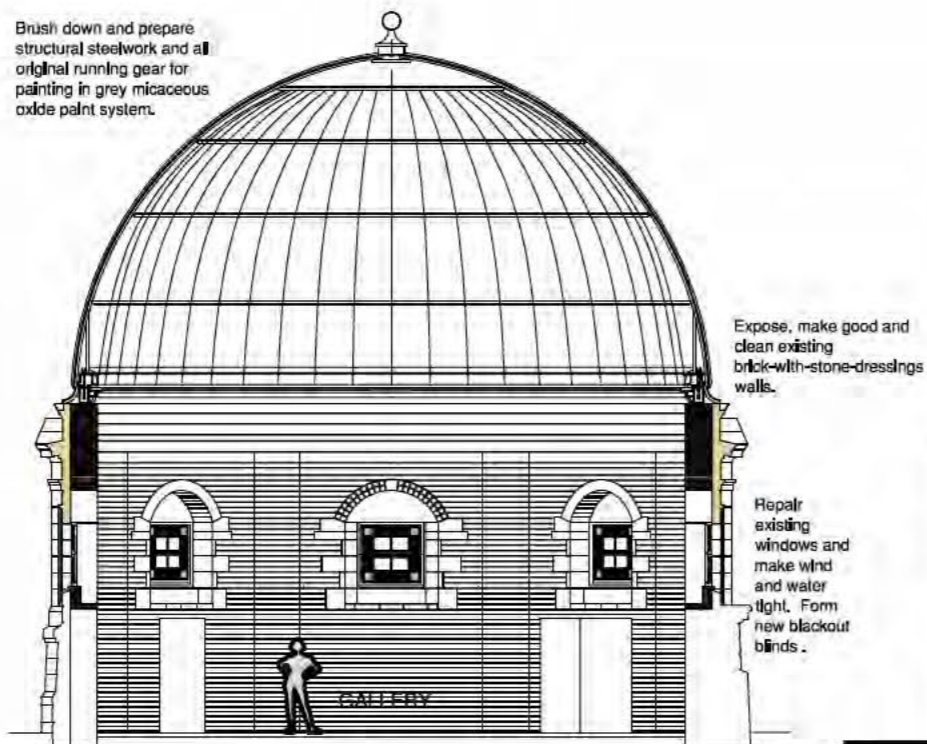
DO NOT SCALE THIS DRAWING

Sketch Proposal
Found Space Option



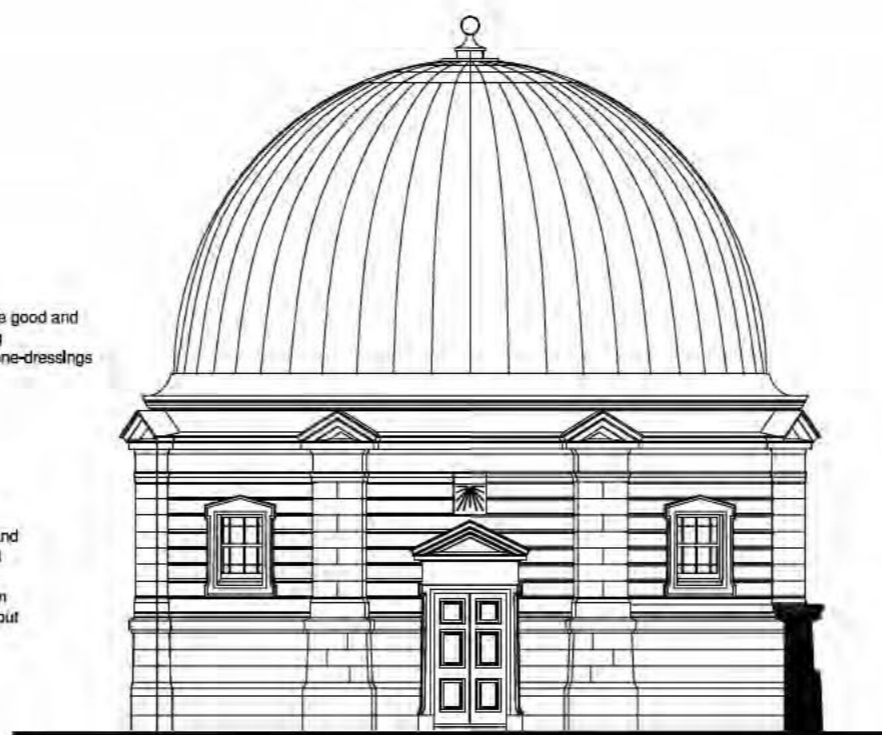
1 Roof Plan
Scale 1:100

Repair and replace existing flat roof, and flashings.

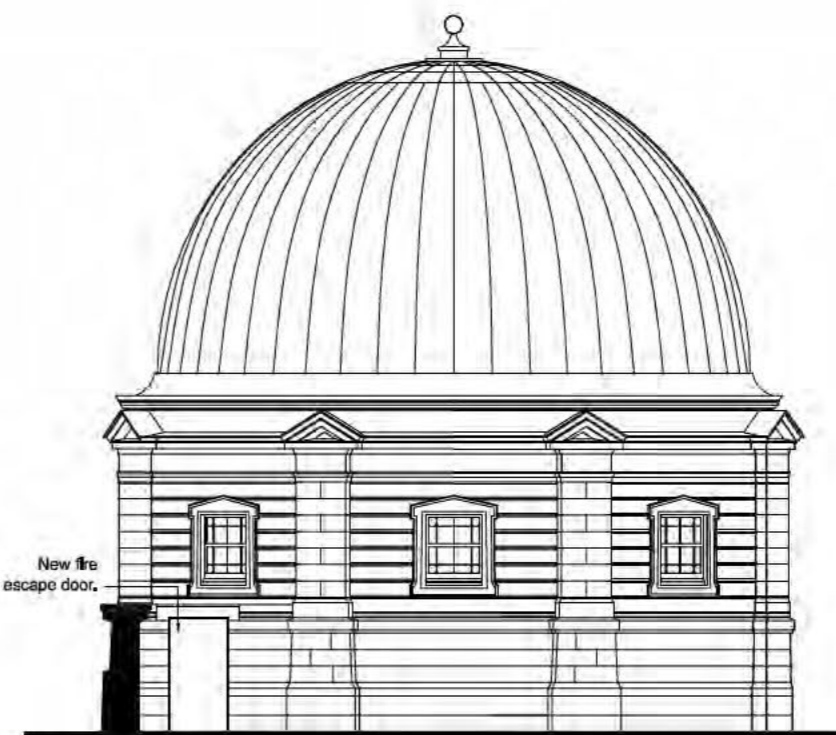


2 Typical Section
Scale 1:20

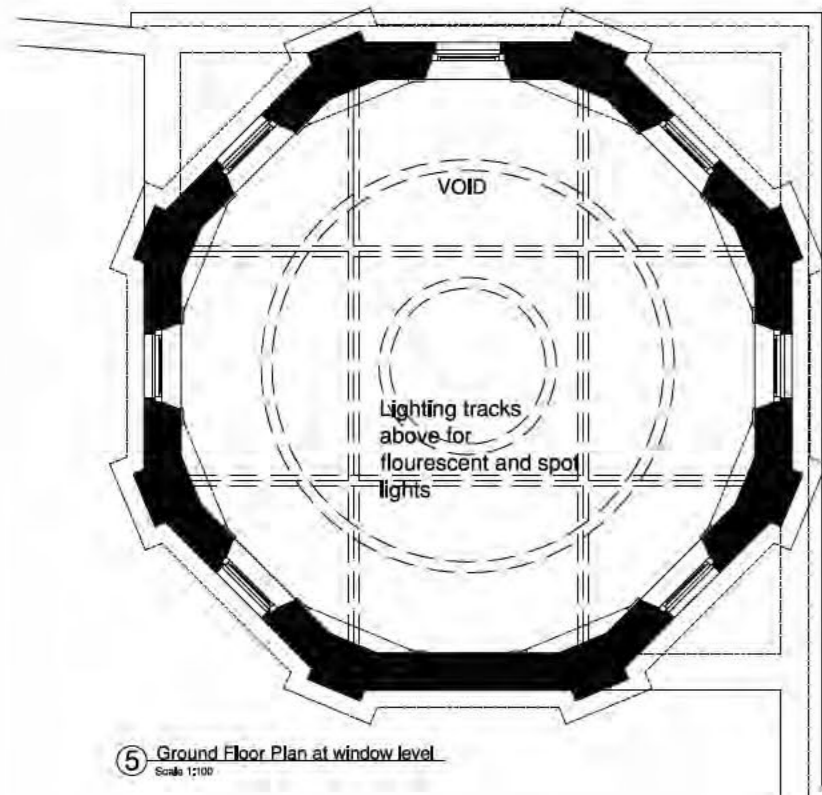
0 1 2 3 4 5 6 7 8 9 10
Scale Metres



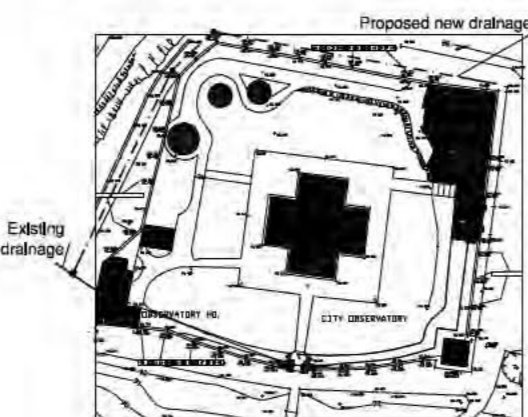
3 South Elevation
Scale 1:20



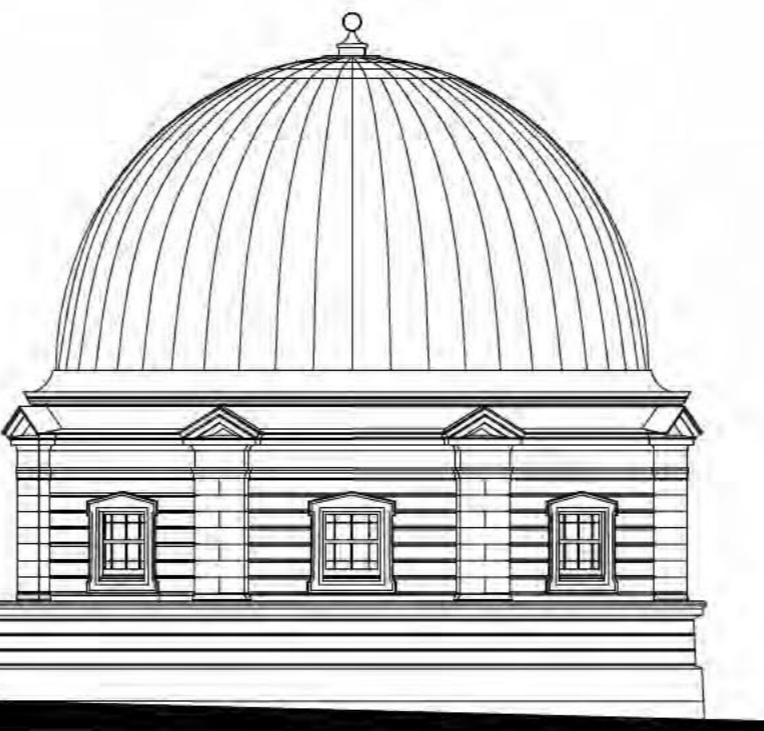
4 East Elevation
Scale 1:20



5 Ground Floor Plan at window level
Scale 1:20

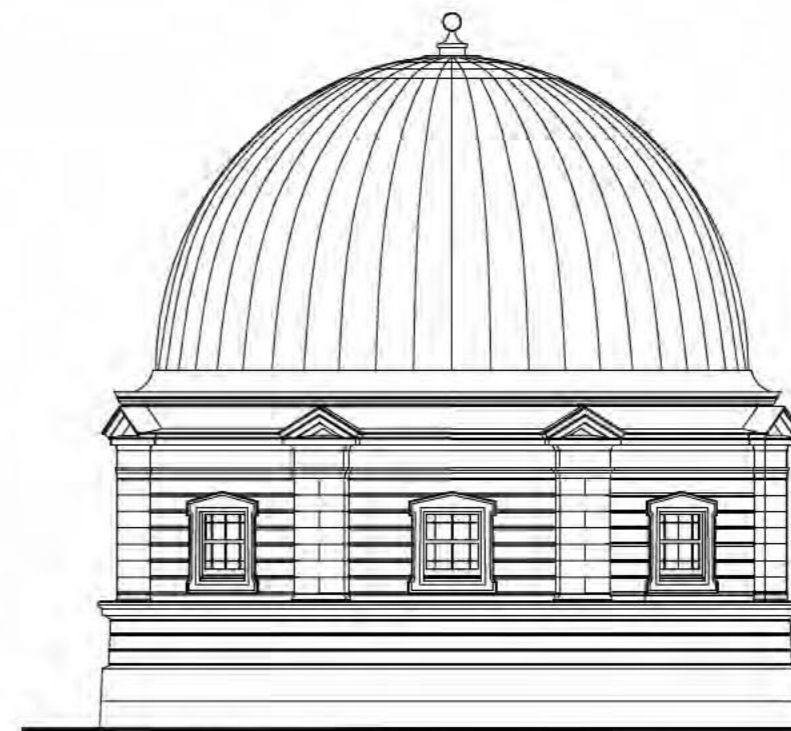


10 Location Plan
Scale 1:1000

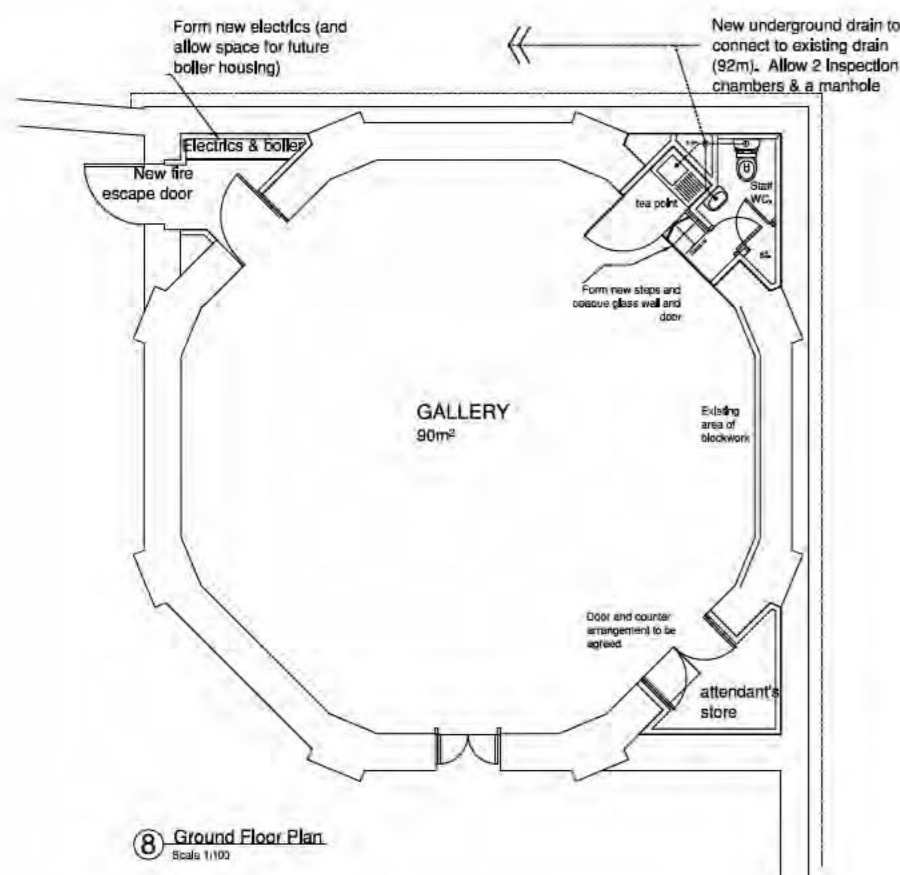


6 West Elevation
Scale 1:20

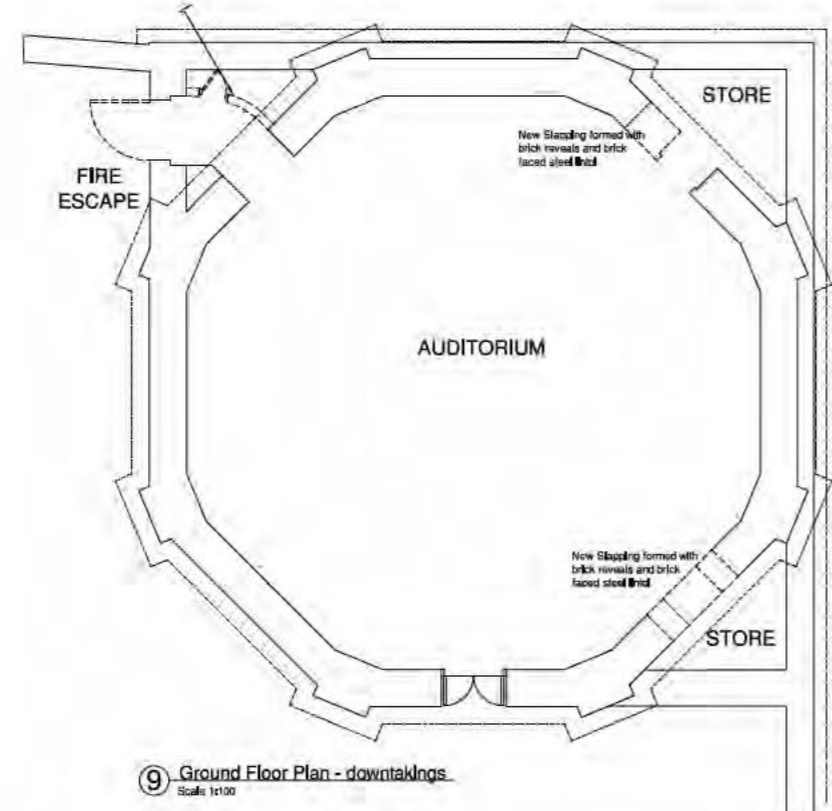
Remove & repair gate, redecorate fit new locks and restate



7 North Elevation
Scale 1:20



8 Ground Floor Plan
Scale 1:20



9 Ground Floor Plan - dawkings
Scale 1:20

Proposals (to achieve gallery standards)

1.00 DOWNTAKINGS

- External** - Remove external extraneous materials, fittings and make good.
- Internal** - Carry out structural alterations as shown on the plan.

2.00 INTERNAL WORKS TO MAIN GALLERY SPACE

- Ceilings** - Prepare and paint existing structural steelwork and original roof running gear in micaceous oxide paint. Treat existing plywood linings in fire retardant treatment to achieve spread of flame Class 1 and, when tested in accordance with BS 476: Part 6: 1981 or BS 476: Part 6: 1989 has an Index of performance (I) not more than 12 and a sub-index (I1) not more than 6, or B-s3, d2 or better when tested in accordance with BS EN: 13823: 2002 and BS EN ISO: 11925-2: 2002.
- Walls** - Expose and make good existing brick-with-stone-dressings walls. Locally repair any defective brick or blockwork and clean with power wash to approved sample.
- Windows & doors** - Carry out repairs to existing windows, replace any broken or damaged glass to match existing, strip off paint and replace any damaged or rotten timbers. Allow for new architraves and repair existing cills. Allow for new electric winding gear for operating the windows remotely. -Install new electrically operated remote controlled blackout roller blinds including light tight edge channels on all windows. -Existing main entrance door frame and door to be repaired and repainted. Old locks to be removed and replaced. -Internal doors to be reused, in repaired for painting. Allow for new frames and architraves to match original and new ironmongery to all doors.
- Floor** - Remove existing parquet flooring. Excavate rock and form new concrete slab on insulation and with DPM. Form a polished concrete finished floor screed with underfloor heating pipes as follows - 75mm minimum c35 Concrete screed with 'Adva floor 250' Power floated, buffed and sealed Hebau color tec max.

3.00 WORKS TO ANCILLIARY SPACES

- New toilet and tea prep.** -Form new WC and tea prep area as indicated, remove existing door & frame. Form new enlarged slapping. Form new door and side panel in opaque toughened glass. -Break out existing concrete floor. Excavate approximately 500mm through rock. Form new concrete floor including DPM and insulation below slabs. Form new concrete steps in the depth of the stone wall. -Form new drainage connections including SVP and new drain run to the existing drainage to the west side of the old observatory house. -Form new insulated partitions and a new insulated ceiling in plasterboard, including tile splash backs and ironmongery, toilet roll holders etc. -Install new lighting, electric heating and extract fan. -Install new H&C mains water supply including connection taken from the Playfair building. NB this will include excavation through rock to a depth of 700mm, refer to Structural engineer for details. -Install new sanitary ware and kitchen storage unit. -Form new doors and handrail. -Decorate above and include for new vinyl floor coverings with coved skirtings.
- Fire escape area** -Remove existing wall to electric store and form new housing for electrical gear (and boiler if required at a future stage). (The existing wall may be structural. Allow for strengthening the roof structure). Apply new insulated linings and insulated ceiling. Form new cupboard full height and width to house all services. Form new door & frame in paint grade frame and new veneered solid core plywood door.
- Entrance door** -Remove & refurbish existing door strip off all paint. Fit new ironmongery and restate. Repair, strip & redecorate existing door frame. Paint existing steel lintel over in micaceous oxide paint.
- New attendant's store** -Form new enlarged slapping and install new desk and door arrangement to form an attendant's store. -Form new wall linings and install shelving. -Form new insulated ceiling. -Install new lighting and power points.

4.00 MECHANICAL

- Heating** -Install new electrical heating in attendant's store and in toilet/tea prep area.
- Water** -Install new H&C water for toilet and tea prep.
- Ventilation** -Install new extract in attendant's store and toilet/tea prep areas.

5.00 ELECTRICAL

- Lighting** -Install new exhibition lighting - (fluorescent and spotlight). These to be track lighting on a proprietary support system.
- Power** -Install new electrical system, design & system lba.
- Alarms** -Install new alarm system. All wiring etc to be surface mounted in galvanized trunking/conduit. Alarm panel to be surface mounted by the main entrance door.

6.00 EXTERNAL WORKS

- Repair and refit existing lightning protection as necessary.
- Redecorate existing down pipes (replace as necessary to match existing).
- Replace existing flat roofs over fire escape, stores and WC all to original details including repairs to roof lights as necessary.
- Remove, repair and reset existing roof lintel.
- Allow for upgrading footpaths between the main south gate and city dome entrance as indicated on location plan.
- Replace external fire escape door on north west corner with new solid core flush plywood door & new ironmongery.
- Allow for full repairs, preparation and redecoration to the main gate to the compound. Allow for refurbished ironmongery and new as required.
- Allow for 3 No. chains and 'no entry' signs including supports/fitting eyelets to restrict visitor access to the gardens.
- Allow for new illuminated external signage outside the compound and by the gallery door.

Rev.	Description	Date	Chk
e	General update Found space Option	21.01.13	TIR
d	General update Option 3	19.11.12	TIR
c	General update Option 2a	12.10.12	TIR
a	Domed ceiling option.	21.06.12	TIR
0	Issued for costing and information.	10/05/12	RM

EDINBURGH
THE CITY OF EDINBURGH COUNCIL

Services for Communities
PROPERTY SERVICES
329 High Street, Edinburgh. EH1 1PN
Tel. 0131 200 2000 Fax. 0131 529 7077

Project
**City Observatory
Collective Gallery Relocation**

Project No.
A0372

Drawing Title.
**City Dome
Plans, Sections & Elevations
found space option**

Drawing No.
AK(0)007

Rev.
e

Purpose/Issue.
INFORMATION

Date.
03/04/2012

Scale.
1:100

Drawn.
TIR

Checked.
Date.

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All of nature for all of Scotland
Nàdar air fad airson Alba air fad



██████████
City of Edinburgh Council
4 East Market Street
Edinburgh
EH8 8BG

08 May 2013
Our ref: ALC122246 / A890686

Dear ██████████

ARTHUR'S SEAT VOLCANO SITE OF SPECIAL SCIENTIFIC INTEREST

Thank you for your email of 28 March 2013 applying for consent to carry out the following operations likely to damage the protected natural feature of Arthur's Seat SSSI:

Installing a new water supply to the buildings on Calton Hill, by:

- clearing vegetation and excavating rock on the slope facing New Parliament House, pathways and grassy areas as shown in the drawing "Partial View AK_0_001- Water Main Route";
- installing water infrastructure along the excavated route and restoring surfaces;
- removing existing pump house on the grassy area south of the Observatory compound; and
- all works to take place during the period 01 June 2013 to 30 September 2013.

Scottish Natural Heritage consents to the above proposal being carried out in the manner, timing and location specified.

In accordance with section 13(6) of the Nature Conservation (Scotland) Act 2004, we have the following advice in relation to the consented operation:

Please provide details of the works to the British Geological Survey and the Lothian & Borders Geodiversity Group, and allow them to record any temporary exposures of rock that arise. We can supply contact details for these groups if needed.

I note that two other contracts will be part of the overall project at Calton Hill, construction of a temporary gallery, and restoration of the City Dome. I do not anticipate either contract requiring SSSI consent as they are not located within the SSSI. However if their footprint grows during the project please get back in touch with me to confirm this.

The issue of this consent does not absolve you from any contractual or legal responsibility you may have to inform or obtain the consent of any other party, including that of relevant landowners, prior to carrying out the proposed operation.

Scottish Natural Heritage, Lothians Area Office, Silvan House, 3rd Floor East, 231 Corstorphine Road, Edinburgh, EH12 7AT

Tel 0131 316 2600 Fax 0131 316 2690 email: forename.surname@snh.gov.uk www.snh.gov.uk



Yours sincerely

[REDACTED]

Operations Officer
Forth



Scottish Natural Heritage
Dualchas Nàdair na h-Alba

All of nature for all of Scotland
Nàdar air fad airson Alba air fad



[REDACTED]
City of Edinburgh Council
4 East Market Street
Edinburgh
EH8 8BG

Email: [REDACTED]@edinburgh.gov.uk

10 October 2013
Our ref: ALC126707 / A1084106

Dear [REDACTED]

ARTHUR'S SEAT VOLCANO SITE OF SPECIAL SCIENTIFIC INTEREST

Thank you for your email of 07 October 2013 applying for consent to carry out the following operations likely to damage the protected natural feature of Arthur's Seat SSSI:

Footpath construction across amenity grass area:

- works to be carried out between the dates of 10 October 2013 and 31 October 2013;
- works will be carried out on the grassed area to the south of the main City Observatory car park, Calton Hill, Edinburgh, EH7 5AA;
- works will be carried out by GHI Contracts; and
- works will be formed by digging out a 1.2m wide path using a digger to a depth of 160mm. A 100mm layer of compacted Type 1 sub-base will be installed on to which a 40mm tarmac sub-base and 20mm tarmac top coat will be added.

Scottish Natural Heritage consents to the above proposal being carried out in the manner, timing and location specified.

In accordance with section 13(6) of the Nature Conservation (Scotland) Act 2004, we have the following advice in relation to the consented operation:

Please provide details of the works to the British Geological Survey and the Lothian & Borders Geodiversity Group, and give them the opportunity to record any temporary exposures of rock that arise. We can supply contact details for these groups if needed.

The issue of this consent does not absolve you from any contractual or legal responsibility you may have to inform or obtain the consent of any other party, including that of relevant landowners, prior to carrying out the proposed operation.

Yours sincerely

[by email]

[REDACTED]
Operations Officer
Forth

Scottish Natural Heritage, Lothians Area Office, Silvan House, 3rd Floor East, 231 Corstorphine Road, Edinburgh, EH12 7AT

Tel 0131 316 2600 Fax 0131 316 2690 email: forename.surname@snh.gov.uk www.snh.gov.uk



[REDACTED]

From: [REDACTED]
Sent: 17 September 2014 08:29
To: [REDACTED]
Cc: [REDACTED]
Subject: FW: 491: D4: Calton Hill - Area 91 SSI query
Attachments: site91-doc33.pdf; 800px-EdinburghObservatory.jpg

[REDACTED] – as triage officer this week)

Over to you to decide what if anything we might want to say.

From: [REDACTED]
Sent: 16 September 2014 17:15
To: [REDACTED]
Subject: FW: 491: D4: Calton Hill - Area 91 SSI query

One for your team I think.

From: [REDACTED] [\[REDACTED\]@malcolmfraser.co.uk](mailto:[REDACTED]@malcolmfraser.co.uk)
Sent: 16 September 2014 14:48
To: [REDACTED]
Subject: 491: D4: Calton Hill - Area 91 SSI query

Dear [REDACTED]

We are at the beginning of a project to bring the Calton Hill Observatory back to life and open for public use. As Calton Hill forms part of the Arthur's Seat Volcano SSSI (site code 91), we wanted to clarify with you the works we intend to do and to check if any of this will require consent or engagement with yourselves.

The attached image shows an aerial view of the site, and all the works are within the walled compound, with the exception of pointing/stone repairs to the boundary wall. Looking at the attached SSSI map, the Observatory Compound is excluded and the notes in site 91 – doc 3 note that the buildings on Calton Hill are excluded.

As part of the works it is likely that some of the rock will be excavated and much of the plant growth within the compound will be substantially reduced, which is part of the Heritage argument that the Observatory was always intended to sit up on the mound, unhindered by trees/shrubs etc.

Could you let me know if any of these works would be relevant to yourselves? I would be happy to meet and discuss on site if that is preferable.

Kind regards

[REDACTED]

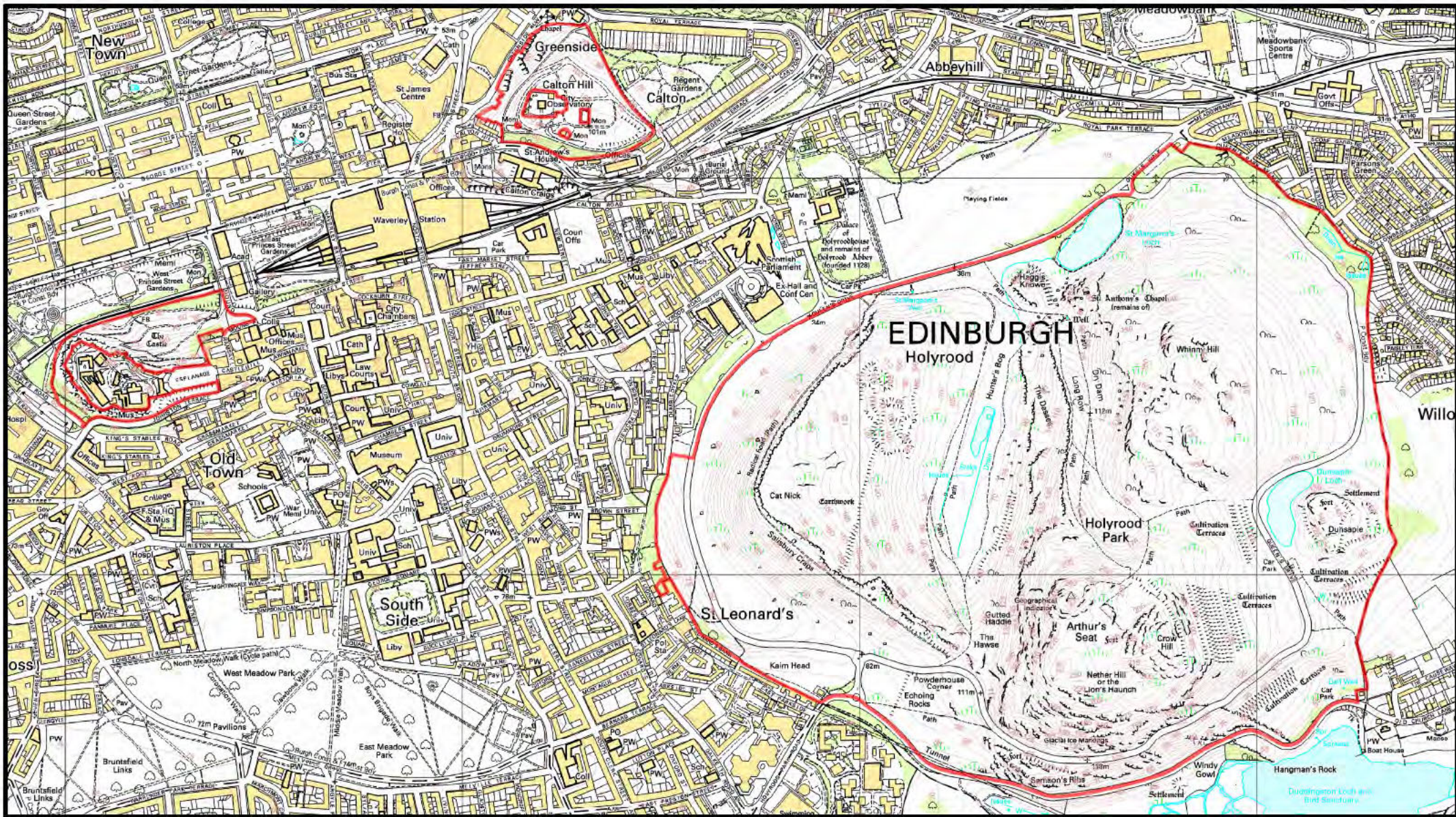
malcolm fraser architects
north bridge studios, 28 north bridge, edinburgh, eh1 1qg
t: 0131 [REDACTED] w: www.malcolmfraser.co.uk

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malcolm fraser architects ltd trading as malcolm fraser architects registered office 28 north bridge edinburgh eh1 1qg registered in scotland no sc278347



Arthur's Seat Volcano

Site of Special Scientific Interest

Site Code: 91

 Site boundary

Produced by: Geographic Information Group, SNH, 2010
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Scale 1:13,000



This is an updated representation of the notified site boundary. Any apparent small differences are due to changes to the OS backdrop.





Scottish Natural Heritage
Dualchas Nàdair na h-Alba
nature.scot

[REDACTED]
Parks Programme Officer
Parks, Greenspace & Cemeteries Service
City of Edinburgh Council
Waverley Court
4 East Market Street
Edinburgh
EH8 8BG

15 October 2019

Our ref: SIT/SSSI/91/NOT/TEN

Dear [REDACTED]

CALTON HILL, PART OF ARTHUR'S SEAT VOLCANO SITE OF SPECIAL SCIENTIFIC INTEREST (SSSI)

Thank you for your email of 14 October 2019 applying for consent to carry out the following operation at Calton Hill likely to affect the protected natural features of Arthur's Seat Volcano SSSI:

- **Operation Requiring Consent 23 –
Erection of permanent or temporary structures**

Erection of fencing enclosures for a fireworks display on Monday 30 December 2019.

The fences are to be put in place on Sunday 29 December and remain in situ until Tuesday 31 December 2019.

Scottish Natural Heritage consents to this proposal being carried out in the manner and location specified.

The issue of this consent does not absolve you from any contractual or legal responsibility you may have to inform or obtain the consent of any other party, including that of relevant landowners, prior to carrying out the proposed operation.

Yours sincerely

[REDACTED]
Operations Officer (Forth)

Scottish Natural Heritage, Silvan House, 3rd Floor East, 231 Corstorphine Road, Edinburgh EH12 7AT
Tel: 0131 316 2600 www.nature.scot

Dualchas Nàdair na h-Alba, Taigh Silvan, 3mh Làr an Ear, 231 Rathad Chros Thoirphin, Dùn Èideann EH12 7AT
Fòn: 0131 316 2600 www.nature.scot



Scottish Natural Heritage
Dualchas Nàdair na h-Alba
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[REDACTED]
Parks Programme Officer
Parks, Greenspace & Cemeteries Service
City of Edinburgh Council
Waverley Court
4 East Market Street
Edinburgh
EH8 8BG

15 October 2019

Our ref: SIT/SSSI/91/NOT/TEN

Dear [REDACTED]

CALTON HILL, PART OF ARTHUR'S SEAT VOLCANO SITE OF SPECIAL SCIENTIFIC INTEREST (SSSI)

Thank you for your email of 14 October 2019 applying for consent to carry out the following operation at Calton Hill likely to affect the protected natural features of Arthur's Seat Volcano SSSI:

- **Operation Requiring Consent 23 –
Erection of permanent or temporary structures**
Installation of a perspex mirrored box with bar enclosed.

The structure is to be put in place on Thursday 28 November 2019 and remain in situ until Monday 2 December 2019.

Scottish Natural Heritage consents to this proposal being carried out in the manner and location specified.

The issue of this consent does not absolve you from any contractual or legal responsibility you may have to inform or obtain the consent of any other party, including that of relevant landowners, prior to carrying out the proposed operation.

Yours sincerely

[REDACTED]
Operations Officer (Forth)

Scottish Natural Heritage, Silvan House, 3rd Floor East, 231 Corstorphine Road, Edinburgh EH12 7AT
Tel: 0131 316 2600 www.nature.scot

Dualchas Nàdair na h-Alba, Taigh Silvan, 3mh Làr an Ear, 231 Rathad Chros Thoirphin, Dùn Èideann EH12 7AT
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