

St Neots Public Stage

RIBA Stage 2 Report

January 2025 Rev.A



Project Information

Project St Neots Stage

Market Square St Neots

Client Huntingdon District Council

St Mary's St, Huntingdon PE29 3TN

Consultant Team

Architects
Project Director

Associate Architect Architectural Assistant

Theatre Consultant

Consultant

Quantity Surveyors & Project Manager MEA

Mike O'Hanlon David Tiley

Simple Works

Phil Isaac

Tim Izatt

AOC Architecture

Hannah Stringer

Tom Coward

Stage Right

Ryan Funnell

Sung Pai

Structural Engineers

Director Structural Engineer

Project Contact ____

Tom Coward Director

tom.coward@theaoc.co.uk

0207739 9950

38-50 Pritchards Road

London E2 9AP

www.theaoc.co.uk



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Introduction

In April 2024 AOC were appointed Lead Designer to develop a public Stage for St Neots from RIBA Stage 0 through to completion of Stage 2.

This report forms the RIBA Stage 2 Report by AOC Architecture and is supported by the appendices A1-A5.

This report captures the Stage 2 design process and the outputs of the Stage 1 process.

It includes design input from the full design team and supporting technical reports. It is intended to capture a concept design developed in response to an evolving brief that meets the needs of and reflects on the findings from the ongoing stakeholder engagement.



Existing site photo



1. Brief

Initial Project Brief

Methodology and Scope

Huntingdonshire District Council's Market Towns Programme (MTP) is an ambitious programme of economic-led interventions to support Huntingdonshire's town centres to recover from the COVID-19 pandemic, while also looking forward to renewing and reshaping our town centres and high streets for the future in a way that promotes growth, improves experiences, and ensures sustainability.

The MTP is underpinned by creating a renewed sense of place, igniting civic pride and providing attractive new destinations for our residents and businesses alike. The longer-term ambition is to stimulate public and private sector investment, bringing forward future opportunities for jobs and skills. HDC has secured funding, from a range of sources, for an ambitious investment in St Neots town centre, specifically targeted at the High Street and Market Square.

The improvements to the Market Square will redevelop the former car park to create an attractive and versatile public realm space by introducing new landscaping and improved facilities for the market and other events. We will also be introducing seating areas to encourage more people to come and stay for longer and improving the pedestrian and cycling experience throughout the town centre. Disabled parking spaces will be provided on the southern side of the square. Works will begin on-site in early November 2023. The project should be complete by January 2025.

St Neots Town Council and others host many events throughout the year at the market square. Therefore, having a permanent stage will give existing cultural events more prominence and encourage additional use of the square as an event space. Design and construction of a permanent stage sits outside the scope of the main project and is to be delivered separate to but concurrent with

the construction phase of the Market Square project.

The successful bidder is required to complete a Stages 0 - 2 of the RIBA Plan of Work for a 7x6m raised and covered performance stage on the Market Square in St Neots including a cost estimate for the remainder of the design and build. The successful bidder is expected to engage with stakeholders identified by HDC to understand the requirements for the stage and determine design priorities, before producing three concepts to allow HDC to select the most suitable design route to proceed with. On conclusion of the preliminary design, the successful bidder will provide a cost estimate for the subsequent stages of design and build.

Extract from the Invitation to Tender for the Refurbishment of the Priory Centre, March 2023.

Summary of Brief

- 1. Raised platform measuring 6x7m (2 feet high is proposed, height in feet so it can be extended with Metrodeck portable staging for larger events)
- **2. Canopy** to protect against rain & sun (permanent or demountable)
- 3. Disabled Access requirements
- 4. Protection from falling requirements
- **5. Power Supply** for AV / Lighting

6. AV Requirements:

- All Weather PA System
- Plug & Play for use by none technical people (in secure lockable cupboard)
- Distributed speaker array through out Market Square (wiring inc. in Market Square specification)
- Build-it stage lighting
- Truss or similar to support more substantial PA / Lighting System for larger events

7. Secure storage for:

- 50 no. folding chairs
- Amps and Equipment
- **8. Design out ASB** (Climbing of structure, skateboarding etc)

9. Materiality

- High Quality materials to be used, consider matching material pallet to the Day Column in the Market Square



Schedule of Services

The design team is compromised of specialist consultants with the required design and project management expertise for the project.

The scope of services covers RIBA Stages 0-2 as detailed on page: 9

- Stage 0: Strategic Definition
- Stage 1: Preparation and Briefing
- Stage 2: Concept Design

We anticipate that following surveys will be required and are to be procured by the design a team as part of the works:

- Topographic Survey (Completed)
- Utilities Search (Completed)
- Soil Investigation
- · Flood Risk Assessment
- Traffic Assessment / Travel Plan
- Ecology Survey
- Drainage CCTV Survey
- Intrusive opening up surveys

Design Team Summary

AOC

Architect and Lead Consultant Project Management

MEA

Quantity Surveyor Project and Cost Management

Simple Works

Engineering Consultancy Structural Engineer

Stage Right Theatre Consultants

Theatre Consultancy Technical theatre design Specialist AV

RIBA stage 0 Strategic Definition

From our appointment we will work to survey and analyse the site and undertake initial option studies and priorities. This will be an opportunity for our team to engage with the site, the client team, community, key stakeholders and other consultants. We will:

- Collate and review all relevant information.
- Undertake site appraisals, developing existing information on the market square
- Develop the stakeholder directory and agree engagement plan.
- Lead and facilitate the Co-design Workshop 1, exploring challenges and benefits of the stage, and review findings with the client stakeholder group
- Lead and facilitate 1:1 interviews with key stakeholders (max. 5) for example representatives of Huntingdonshire District Council and St Neots Town Council.
- Develop a business case for feasible options including project risks and project budget
- Strategic appraisal of planning consideration
- End of stage will confirm the client requirements the project brief

RIBA Stage 1 Preparation & Brief

From our appointment we will work to survey and analyse the site and undertake initial option studies and priorities. This will be an opportunity for our team to engage with the site, the client team, community, key stakeholders and other consultants. We will:

- Lead and facilitate a client priorities workshop; including consideration of the performance requirements for audience, AV and lighting requirements; and in determining sustainability aspirations of project stakeholders
- Lead and facilitate the Co-design Workshop 2, exploring the proposed new stage
- Prepare Stage 1 Project Brief and Design Options.
- · Undertake Stage 1 Cost Benchmarking.
- Commence the Energy strategy and benchmarking
- Establish contact where possible with Huntingdonshire District Council planning officer and review the St Neots Neighbourhood Plan and market square proposals
- Gain client approval of Project Brief and preferred design options.

RIBA Stage 2 Concept Design

We will develop our Stage 2 Concept Design with an engagement process:

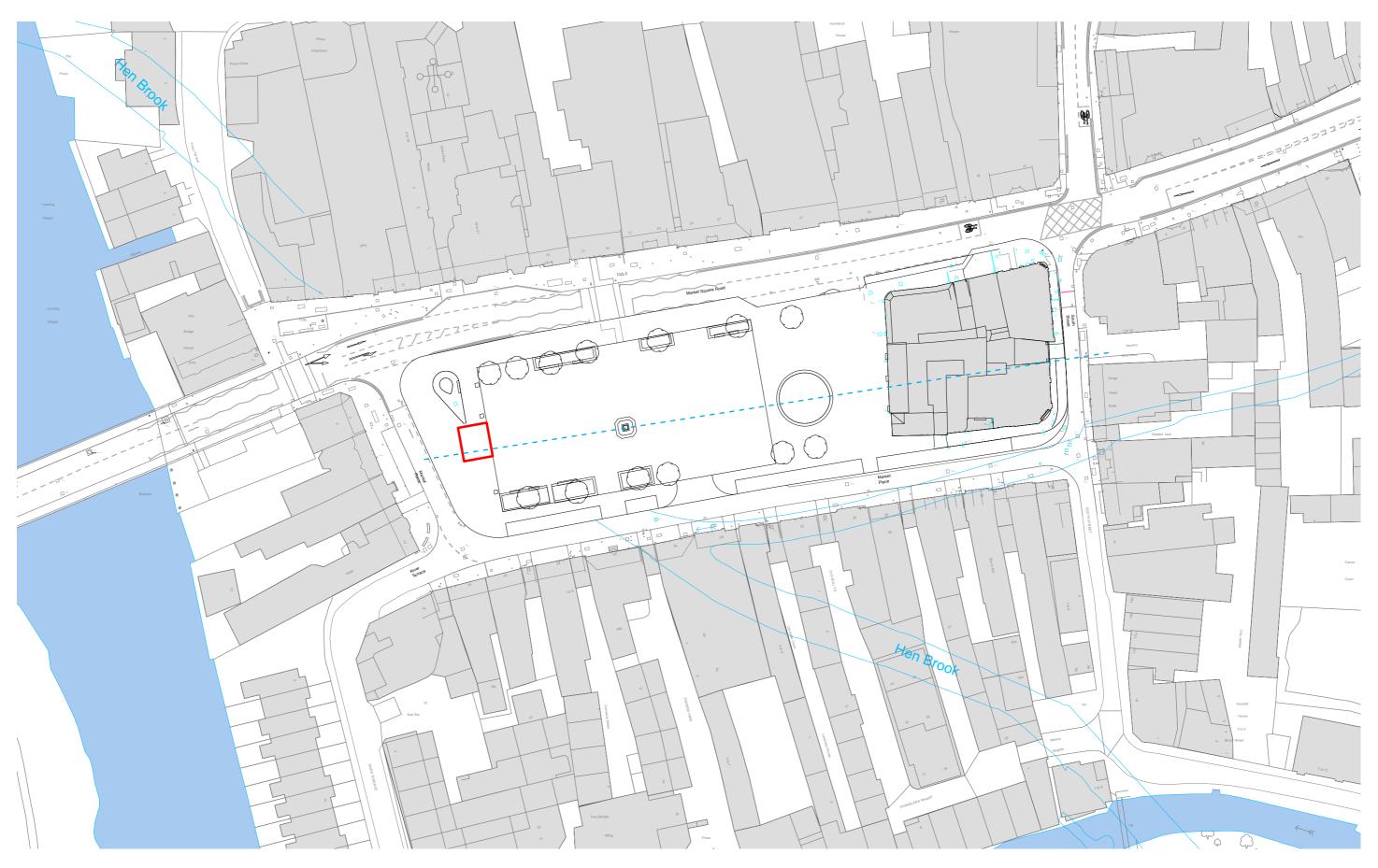
- Co-ordinate and provide a Stage 2 Concept Design
- Lead and facilitate the Co-design Workshop 3, exploring material look and feel
- Develop a Stage 2 Cost Plan and Risk Review to establish a realistic capital costs budget.
- Prepare and submit a planning pre-app, as necessary, to Huntingdonshire District Council
- we will present to the Project Board and allow a one week period for feedback and minor amendments.
- CDM Health & Safety Review including designer risk assessment and access and maintenance plan • Undertake Building Regulation Review and prepare outline specification
- Develop the social value plan
- The stage will conclude with a confirmation of project concept design.



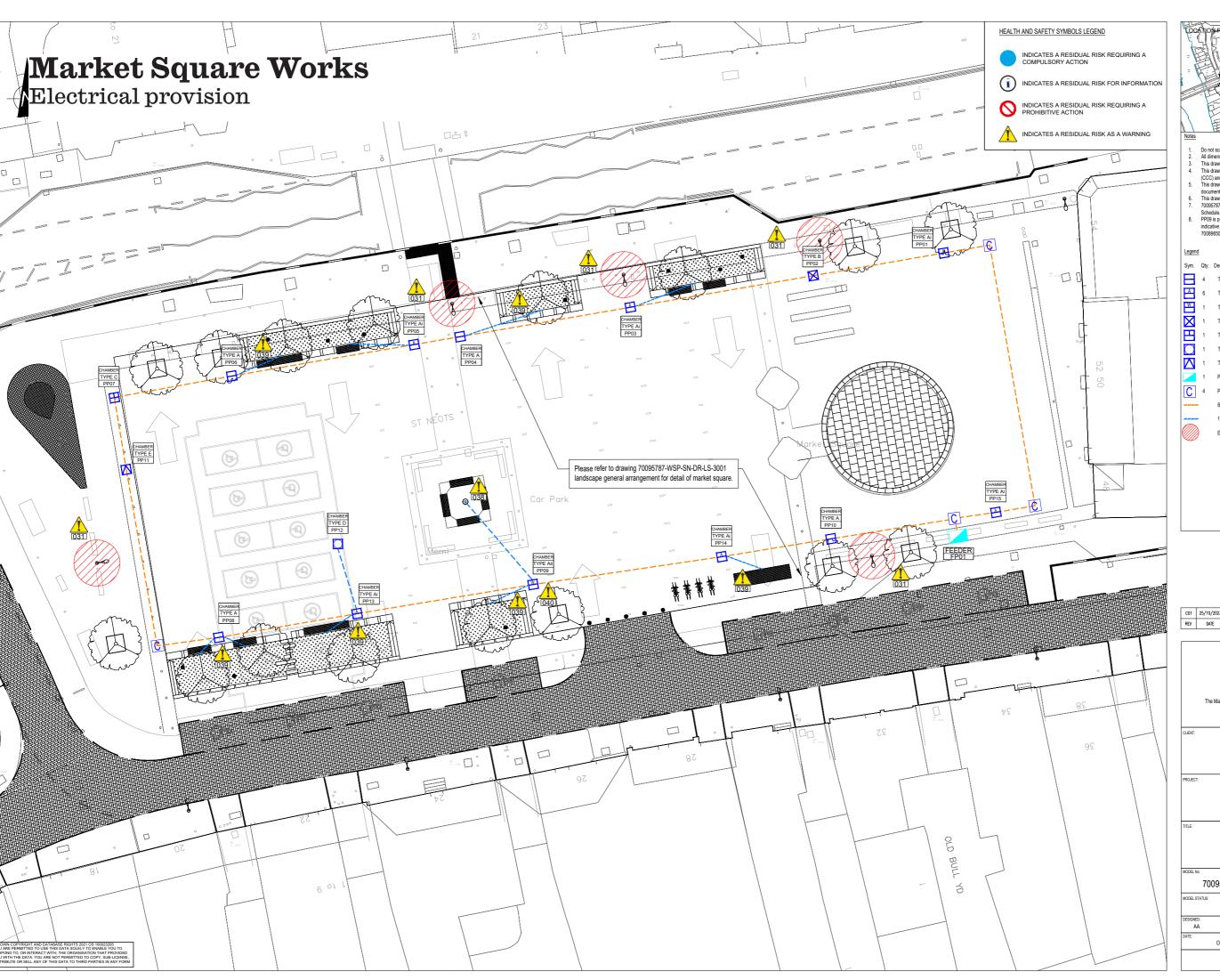
2. Site

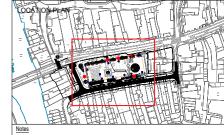
Proposed Plan Overview











- Do not scale this drawing.

 All dimensions are in metres unless otherwise stated.

 This drawing should be printed in colour.

 This drawing is based on OS map as supplied by Cambridgeshire County Council
- (CCC) and topographical survey.

 This drawing shall be read in conjunction with all relevant scheme drawings and
- This drawing shall be read in conjunction with electrical drawings: 70095787-WSP-SN-DR-EE-1411 to 1420 & T446 Design Risk Management
- 70095101-Flor-Section Schedule.
 PP09 is proposed to contain a water supply and the location on this plan is indicative. For the exact location please refer to landscape drawing: 70089650-WSP-SN-DR-LS-3011

4 Type A - GIFAS PIAZZA 800 c-safe with 3 x 16A sockets Type Ai - GIFAS PIAZZA 800 c-safe with 3 x 16A sockets and audio i

Type Aii - GIFAS PIAZZA 800 c-safe with 3 x 16A sockets and water supply

Type B - GIFAS PICCOLINO 200 with 1 x 32A socket

Type C - GIFAS PICCOLINO 200 with 1 x 16A socket

Type D - GIFAS PIAZZA 800 c-safe with 2 x 16A sockets

Type E - GIFAS PIAZZA 800 c-safe with 1 x 32A & 4 x 16A sockets

Proposed 1000mm x 1000mm D400 NAL Stakkabox Duct Chamber

6 x 100mmØ Twin Wall UPVC Orange Duct

1 x 50mmØ Twin Wall UPVC Orange Duct

Existing Lighting Column 2m TT Earth Exclusion Zone

 C01
 25/10/2023
 AA
 FOR CONSTRUCTION

 REV
 DATE
 BY
 DESCRIPTION



The Mailbox, Level 2, 100 Wharfside Street, Birmingham, B1 1RT, UK T+ 44 (0) 121 352 4700, F+ 44 (0) 121 352 4701

Cambridgeshire County Council

St Neots Future High Street Fund Detailed Design

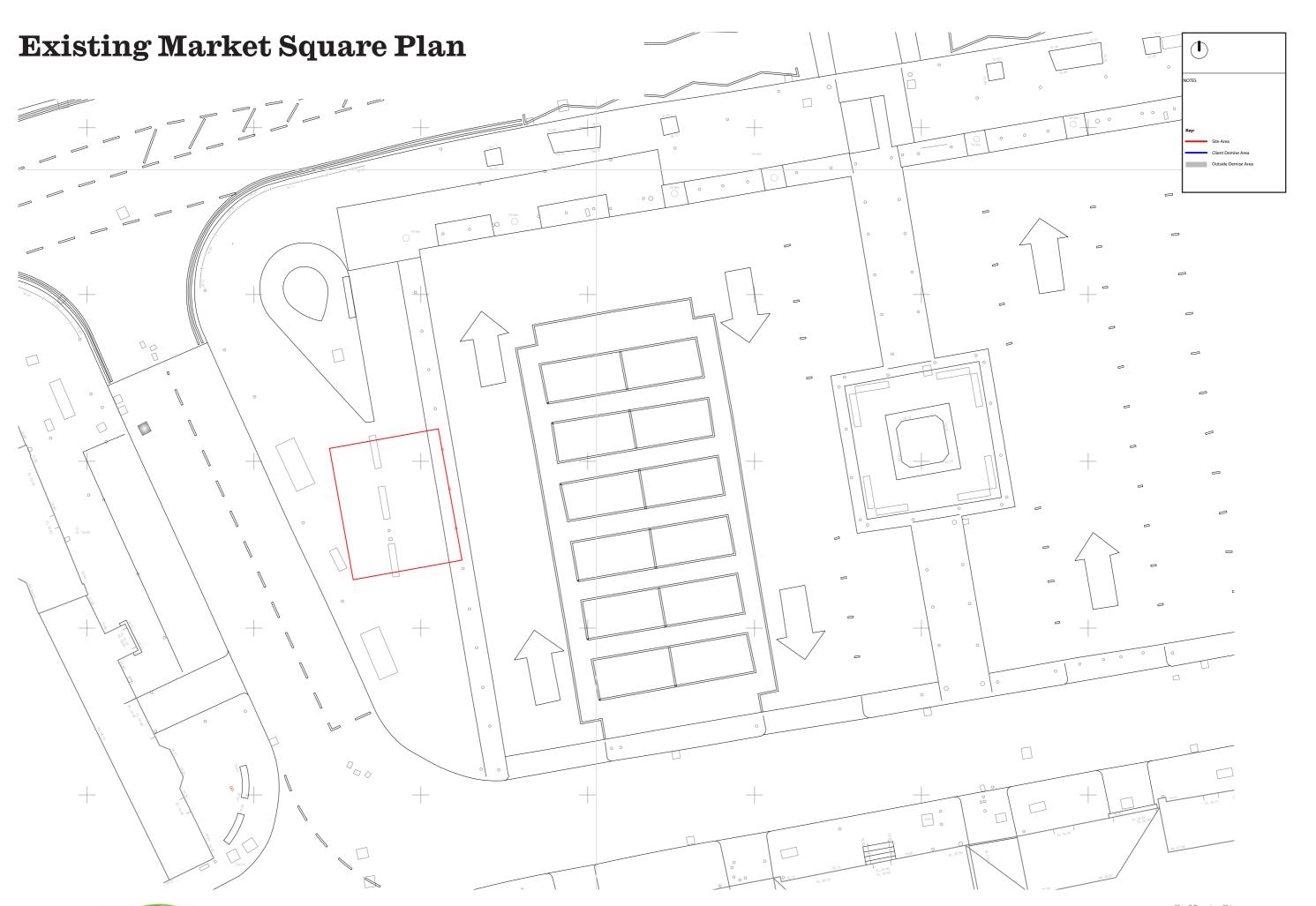
Market Square Electrical General Arrangement Sheet 1 of 1

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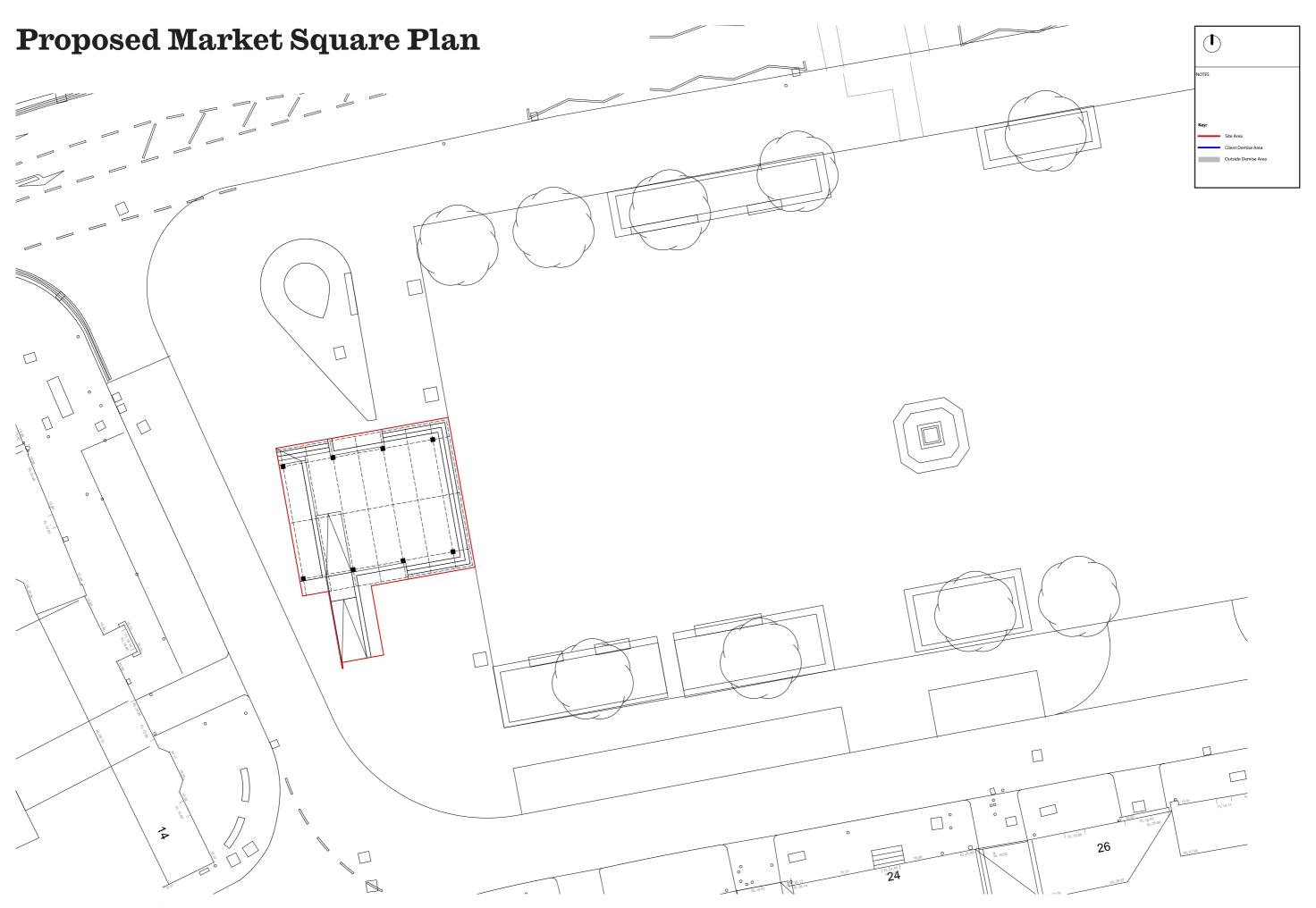
A - FIT FOR CONSTRUCTION

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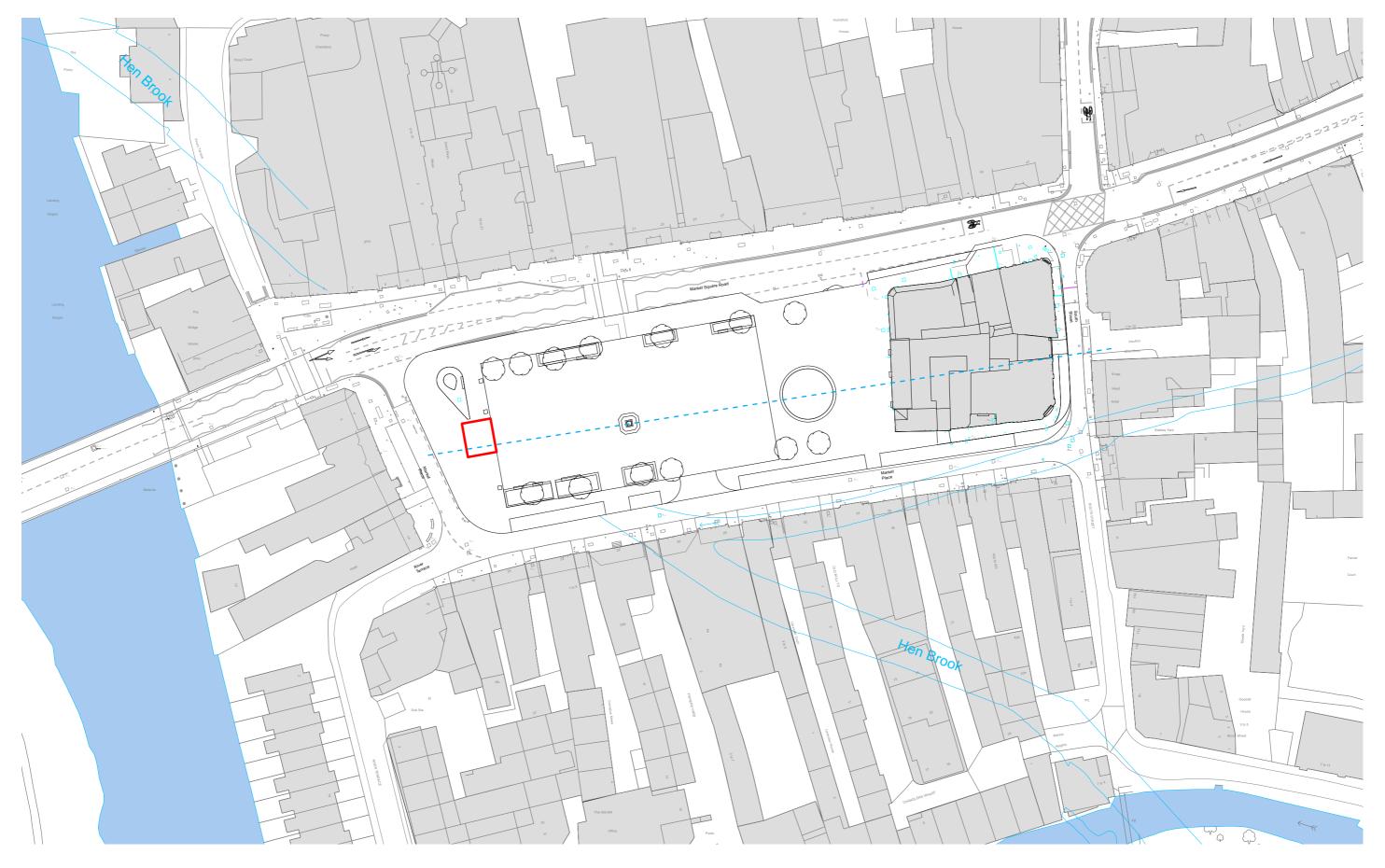






Proposed Plan Overview







3. Consultation

Stage 1: July 2024



Stage 1: July 2024

Public Engagement was undertaken on 27.07.24 at a Saturday morning market in the Market Square. Attendance was from 10.00 till 13.15. The market closed at 1300. Attendance was constant and steady, and dwell time was good with a high level of engagement.

The majority of voices were positive about the proposal, and generally, although a number of people did want to come up and complain around the market square proposals - bus management, the extent of pedestrianisation and the time taken for the works.

Approximately 25 consultees provided feedback. Each consultee spent approximately 7 minutes providing feedback. Approximate number of visitors who engaged was 50. People were invited to add stickers. Most comments were written and added by the facilitator.

The Presentation boards asked a number of questions, with opportunities for making choices and adding further detail.

The following pages 15 to 22 document the boards presented and a summary of the feedback received in the grey text boxes:

Would you like to see a performance space in the square?

Yes 23

No 1

One comment was made to explain the no vote;

"keep things mobile and flexible. Temporary staging in the square should be flexible -invest in a portable stage that can also set up in Riverside Park".

Another comment was from frequent visitors to the area:

"As visitors it is great to have things going on in the square - keeps us coming back"

What's happening in the Market Square?



Works to the Market Square

Work has started on the Market Square to pedestrianise the space and introduce improved landscaping and planting.

The future of the Market Square

Huntingdonshire District Council wish to improve the amenities of the square with the provision of a stage to support live events in St Neots.

Area already allocated for a stage

Up coming changes to the Market Square - Image by WSP

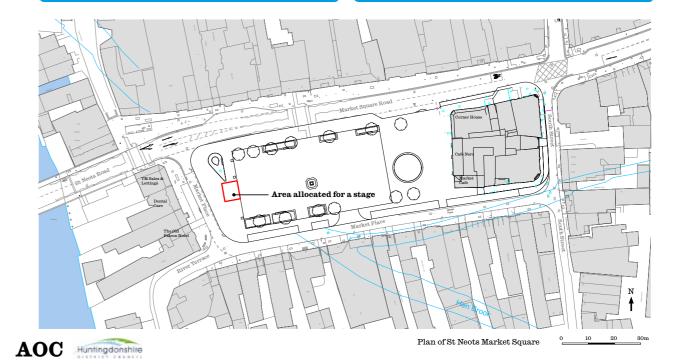
Would you like to see a performance space in the square?

Put your sticker in one box

15

Yes, I would love a stage

No, I would prefer something else





Board 1 St Neots Stage RIBA Stage 2 Report

You are already having fantastic events

Live events are a regular feature in the Market Square, ranging from live music and theatre to seasonal events such as the annual turning on of the Christmas Lights.

Music at the weekly Farm & Craft Passion of the Christ Performance Market



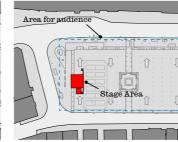


Christmas Tree Lights





Temporary Stage - Open air



Temporary Stage and lighting

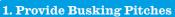
How can we make hosting events easy?

A stage can take many forms, from simple markings on the floor, a temporary stage erected for specific events or a









Clearly defines a space for performance Allows Flexible use of the space

No weather protection Small Audience Capacity & limited view f the performance area

2. Infrastructure for temporary events

ble to needs of event & location

eds to be hired in for each event eased set up time and cost per event

3. Provide a permanent Structure

Reduces set up time and cost per event ood weather protection

duces flexibility of square when not in

May become a space for loitering & anti-



Add your sticker to your preferred option

How can we make hosting events easier?

. Provide busking pitches	0

2. Infrastructure for temporary events 1 3. Provide a permanent Structure

Broader conversations looked at the history of different sized events in the square "Small enough to not be imposing - big enough for bigger events"

Two residents who perform asked for a space equivalent to the area shown with standing space for 20-30 performers or a band.

"make it medium sized supporting flexible growth for big events".

With a pick'n'mix of stage parts different people saw the benefit of

a raised stage (2),

a back wall (2)

a roof for protection from the weather (3).

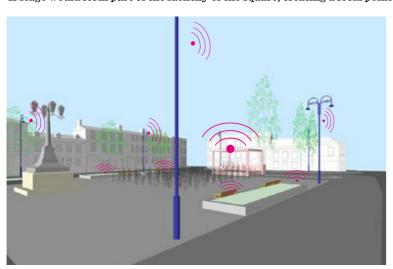
Less people saw the benefit in all parts - worried about impact:

"A back wall is good for acoustics - it doesn't need to be too high".

Music in the Square



A stage would form part of the identify of the square, creating a focal point at its western end



Plug in and play

Some events will wish to use audio equipment to amplify their performance.

Amplification could be provided by permanent infrastructure in the square or bought in for events as and when required.

A permanent audio system would provide quick and easy set up.

A temporary audio system allows greater flexibility, tailored to specific events.

View across square from north east

Would you like to see permanent Audio Equipment in the square?

Yes, I like the idea of plug in and play

No, it can be hired in when needed

AOC Huntingdonshire

Put your sticker in one box

Would you like to see permanent Audio Equipment in the square?

Yes, I like the idea of plug and play = 6 No, it can be hired in when needed = 6

Many people wanted to check that events would be planned and well managed;

"Acoustics need to be managed for residents and businesses" $\,$

People against the plug and play were concerned it would take too much of the budget, fail too quickly or potentially become outdated.

Others asked us to invest;

"It is only worth doing if we get a good sound system that works at all the frequencies for singers and music"



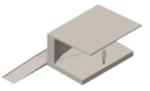
Setting the Stage A Pick n Mix Kit of Parts

A stage can be formed using one or more of the elements below, a floor, a wall, a roof or a combination of these









Raised stage

- Ramped access
- Increased audience visibility

- Back drop to performance

Roof

- Protection from weather

Floor, wall & roof

- Ramped access
- Increased audience visibility

The Height of a Stage A raised stage increases the number of people who can see

A permanent raised stage would provide better views &

easy set up for live events. A flat stage is more flexible for

- Back drop to performance
- Protection from weather

the stage clearly

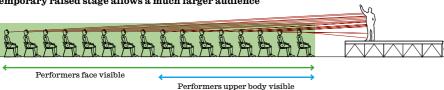
a variety of uses.

Sight Lines & Visibility

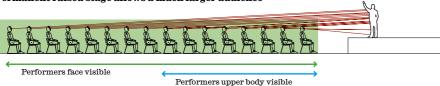
No Stage for small audience



Temporary raised stage allows a much larger audience

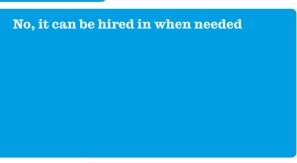


Permanent raised stage allows a much larger audience



Would you like to see a permanent raised stage in the square?

Yes, I would love a stage permanent



AOC Huntingdonshi

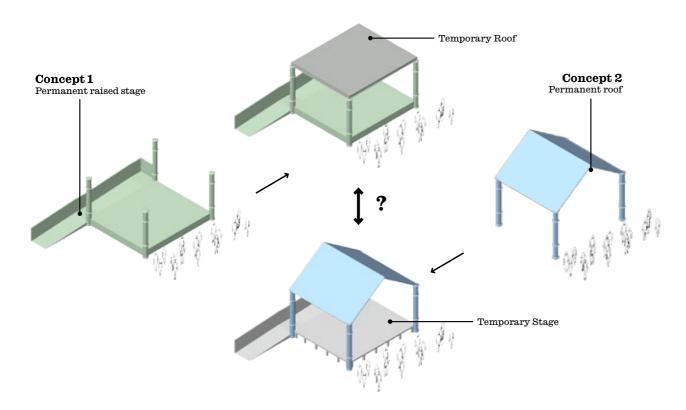
Put your sticker in one box

Huntingdonshire

Would you like to see a permanent raised stage in the square?

Yes, I would love a permanent stage = 4 No, it can be hired in = 0

Concept Design



Concept 1

Permanent raised stage with temporary roof

Positive:

- Clearly defines a space for performance
- Quick set up time when roof cover is not required

Negative

- Additional set up time when using roof cover

Concept 2

Permanent roof with temporary stage

Positive

- Clearly defines a space for performance
- Quick set up time when stage is not required

Negative:

- Reduced audience visibility when not using temporary stage

Do you prefer Concept 1 & Concept 2?

Concept 1, I think a permanent stage and temporary roof is the best idea

Concept 2, I think a permanent roof and temporary stage is the best idea

Put your sticker in one box





Do you prefer concept 1 or concept 2?

Concept 1,

I think a permanent stage and temporary roof is the best idea = 3

Concept 2,

I think a permanent roof and temporary stage is the best idea = 8

A number of consultees wanted to see the designs develop at a later design review.

Material & Sustainability

Accessing Sustainability

The sustainability of a material is often accessed by it's 'embodied carbon' - this is the amount of carbon produced in the manufacturing or extraction of that material

But other factors should be considered such as a materials 'whole life' carbon. Whole life carbon is measurement of the amount of energy used in the production, use and demolition of a product or material

So when considering environmental impacts it is important to look at the expected life span, reusablity and impact of transport and shipping.

Roof Options



Day Column - Stone & Cast Iron

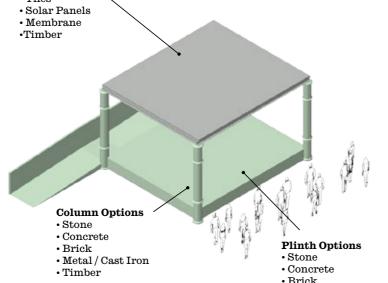


Concrete









Would materials should we use? Draw your stage on a post-it a place it below

Put your post -it notes here

AOC Hunti



Material & Sustainability

Much of the conversation was here around long lasting robust materials and things that would last and resist abuse.

"The stage should marry in with the day column"

"Use stone or concrete & long lasting materials"

"Use reclaimed materials"

Many people referred to wood as a good idea, but not appropriate PV panels were divisive - most worried they would fit in

Stone / concrete = 5 brick = 0 timber = 0PV = 3 "get those new ones that look like tiles" tiles = 2 "look around, there are lots of tiles" cast iron = 1 membrane = 0

In reference to the cast iron image (multicoloured) one comment said "it doesn't need colour - it should have a timeless quality - background to the performances on stage.

One consultee referenced Bedford Park bandstand - it was octagonal and managed a stage with height and access. There was a conversation that the stage didn't need to be square - semi circular? that the shape might help integrate planting or an access ramp.

There was useful discussion around managing the risks of providing a stage - the stage as something to fall off when not is use. A roof as something to climb on or congregate under

"it would be nice to have a band stand - metal is good - they have railings" "Bring in staging when it is required - this will help manage the H&S concern"

"Provide a retractable wall and roof - keep it feeling open

There was 1 request for a permanent Christmas tree

Material & Form

Look & Feel

Materials Options

Material choices impact many aspects of the design from how it looks, the environmental impact and how long it will last. Materials can be used in lots of different ways. Traditional materials can be used in a modern way and vice versa.

Do you want the structure to feel light and minimal or robust and grounded?







Dalston Curve Garden by Muf Architecture/Ar



Butter cross - Chippingham



Thin flat roof



Open gable roof



 ${\bf Hipped\ roof}$

What style of roof do you prefer?

Flat roof



Hipped roof

Put your sticker in one box





Material & Form

The discussion on this topic was the most diverse and dynamic. Resources included reference images showing modern to traditional buildings. There was also a range from flat to open gabled to a hipped roof

Serpentine pavilion = 3

Dalston Curve = 3

Butter cross = 7

Thin flat roof = 0

Open gable roof = 1

Hipped roof = 0

What style of roof do you prefer?

Flat Roof = 0

Open gable roof = 5

Hipped roof = 7

The flat roof got an additional comments

"flat roofs cause drumming in the rain"

"flatroofs are easier to climb on - people climb on the bus stops!"

There is overlap in the resources, but consultees reacted differently and personally to different images.

One comment around the serpentine image was how well it worked to support all round flow through - more modern is more transparent "if its more open it will be less misused".

One comment liked the hipped roof - wanting something more modernish, they wanted a take on the hipped roof - something that fits in.

Others put the challenge to the design team - "that it looks good - that's important! - I don't mind if it looks old or modern - I don't mind if it needs to be modern to look good"

There was healthy but largely inconclusive conversation around the impact of the stage in blocking views through to the old Falcon - mixed views and level of concern. Many citing the current poor quality of the old falcon as a reason to conceal it - but hopeful for a future with it brought back into use.

There was more clear sentiment that the stage should feel like something and have a civic presence beyond its functional use as a stage - this seems to correlate with the positive response to the open gable and hipped roof. The history of a multi use buttercross resonated with a number of consultees.

What have we learnt?

Lessons learnt from the Stage 1 consultation:

- strong desire for a stage
- moderately sized that can grow for bigger events
- sound system across the square
- · roof and plinth preferred but manage antisocial behaviour and other risks
- long lasting materials
- not just infrastructure but a positive contribution to the square
- it needs to be good it doesn't have to look old



Stage 2: Nov-December 2024



Stage 2: Nov-December 2024

The Stage 2 public engagement was held on 7.11.24 at the Thursday morning market in the Market Square. Attendance was from 11.00 till 14.00. Approximately 15 people filled out a questionnaire on site while, a further 300 completed the questionnaire online between 5.11.24 and 7.12.24. On average each online consultee spent nearly 7 minutes providing feedback.

The second round of public consultation attracted much more attention both online and during the live consultation events. The consultation period was extended to allow more time for those who missed the event to see the designs on display at the Priory Café. Over 300 feedback forms have been returned, which is around 10 times the feedback from the first round.

The following pages 25 to 30 document the boards presented and a summary of the feedback received in the grey text boxes:

The Stage 2 design was developed in response to the Stage 1 consultation feedback to explore concept designs for a new permanent stage.

In response to July's feedback all the options propose:

- a moderately sized permanent raised stage
- a fixed roof structure
- ramp access
- lockable storage
- AV for events

The boards test form, materiality and layout across three different designs.

Stage 2: Design Options Boards













Q1 Do you think the design proposals shown today would support events and performances in the Market Square? 316 responses gave an average score of 5.5 out of 10.

Q2 PREFERRED OPTION

- 59 Option 1 Open gable roof
- 96 Option 2 Hipped buttercross roof
- 43 Option 3 Floating drum roof
- 62 None of the above

260 out of 316 responses made a choice (82%), 203 of the responses picked one of the options (76%).

The hipped buttercross (option 2) was preferred 37% by some margin. The open gable (option 1) came third with 23%. The floating drum (option 3) came fourth 17%. None of the above was derived from text comments, came in 2nd position at 24%.

"I feel this design would blend well with the current architecture of the market square. I like the reference to the buttercross buildings".

Q3a LAYOUT

- 63 Option 1 bench integrated into the stage facing north and south side
- 47 Option 2 bench integrated into the ramp facing east
- 87 Option 3 planting integrated along the west side of the stage and ramp
- 32 None of the above

230 out of 316 responses made a choice (73%), 199 of the responses picked one of the options (86%).

The planting integrated along the west side of the stage and ramp (option 3) was preferred 38% by some margin. The bench integrated into the stage facing north and south side (option 1) came second 27%. The bench integrated into the ramp facing east (option 2) came third 20%. None of the above was derived from text comments, in 4th position at 14%.

"Integrated planting and seating are both welcome if the design allows it, but I'm not sure how it would best fit into (my preferred) buttercross design".

"Planting important to soften the hard edges/faces, and make it attractive when no performance is happening. Benches to north and south a nice idea but consider if they invite climbing/play and if that's welcome".

Q3b Provision of chair storage and event equipment 218 out of 316 responders made a choice (69%) 66% of responders thought that an enclosed store would be a good idea.



Q4a ROOF MATERIALS

- 75 Option 1 Polychrome roof tiles and photovoltaic panels
- 97 Option 2 Weathered Copper
- 26 Option 3 Perforated Steel
- 17 None of the above

215 out of 316 responses made a choice (68%),

199 picked one of the options (93%).

The copper finish (option 2) was preferred 45% by some margin. The tiles and PV panel finish (option 1) came second 35%. The perforated steel finish (option 3) came third 12%. None of the above was derived from text comments, in 4th position at 7.5%.

"I think having a copper roof would be an attractive feature which would stand out and weather the element well. My only concern is that it could be subject to theft and we would left with an inferior roof or building".

Q4b STAGE MATERIALS

- 115 Option 1 Stone
- 47 Option 2 Timber decking with masonry steps
- 36 Option 3 Cast Concrete
- 17 None of the above

215 out of 316 responses made a choice (68%),

198 of the responses picked one of the options (92%).

The stone finish (option 1) was preferred 53% by some margin. The timber decking with masonry steps finish (option 2) came second 22%. The cast concrete finish (option 3) came third 17%. None of the above was derived from text comments, in 4th position at 8%.

"Stone is long lasting but uses less energy to produce than concrete".



Q5 OTHER COMMENTS

Of all the returns 107 (34%) made open text responses at the end.

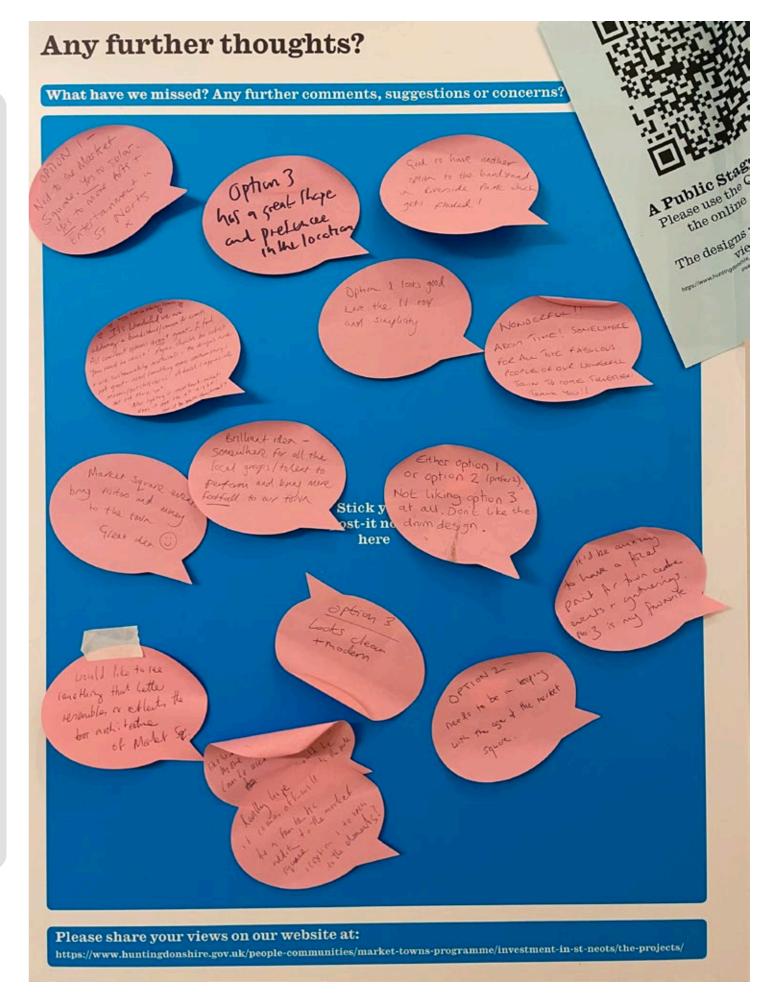
36% of responses where against any form of stage. In terms of more positive responses; 4.7% thought a stage would be better in a park, and a further 4.7% thought a temporary stage would be better. 24.3% responses where positive in support of a permanent stage on market square.

"I'm fully in favour of revitalising the square. I'm happy to walk to the parking, and I'm excited to see the final result. But I am sad about the trees still, though! However, I think you've really gone wrong with this stage idea. It just doesn't make sense. My children have performed on stages erected in the square many times and it was fine....it looked like a stage. If you add this, it's just going to get ruined. HDC can't even keep the existing town free of litter (it's shameful) and yet you're going to be able to maintain this? Put the money into litter pickers to finally clean up our disgusting roads and alleyways. We're tired of living in filth".

"I think the investment in providing such a stage in St Neots would be very beneficial to the local economy, especially if used for events in the summer, as it could pull in a lot of people to the town. Other local events, such as the dragon boat race, already do this, and the stage could be a welcomed addition. It could also be a good space to hold cinema nights in the summer".

In terms of a positive to negative free response for a stage the balance was only just negative 38/36.

31% of responses related to the consultation process and the potential of design development, please see more on the following page.





The Preferred Approach

THE PREFERRED APPROACH

The balance of sentiment in a free text response is marginally to not provide a permanent stage in the Market Square. Some people think a temporary stage or a band stand in the park is a better idea. Many are against the idea of a stage.

However, when asked to pick an option, 76% of responders picked one of the three options provided. And more than half of those who responded thought a stage would help support events and performances in the square.

If it is decided to build a permanent stage then the feedback preferences are to further consider developing a hipped buttercross roof with a weathered copper roof and a stone stage. The layout would have planting integrated along the west side of the stage and ramp, with a store for chairs and performance equipment.



4. DESIGNDEVELOPMENT

Stage 2 Design Options

Public consultation boards

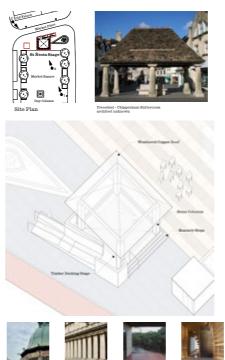














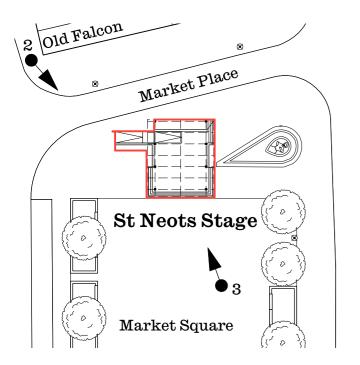
Option 1 - The Open Gable View from Market Square



Option 1 - The Open Gable



2. View from Old Falcon Inn



Site Plan





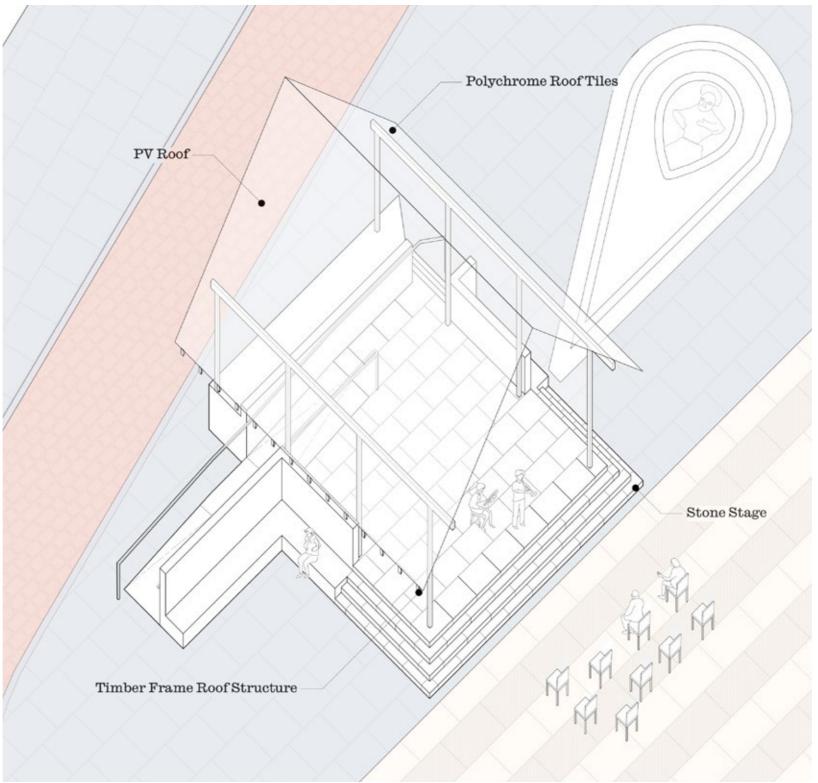
3. View of Stage

Option 1 - The Open Gable

Materials



Precedent - Eastern Curve Garden by muf architecture/art





PV Roof



Timber Frame Roof Structure



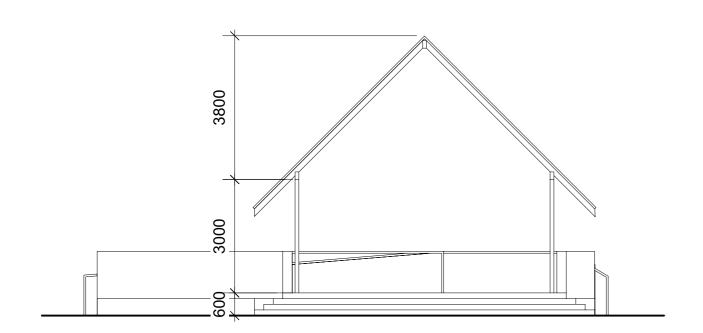
Polychrome Roof Tiles

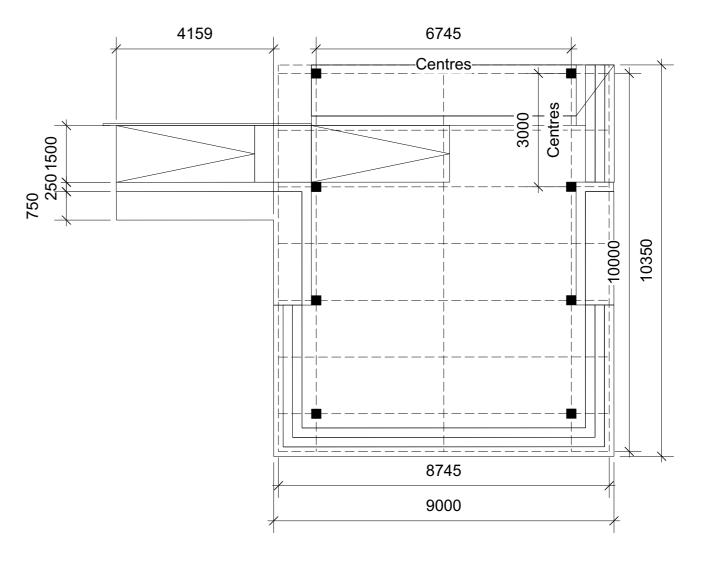


Stone Stage



Option 1 - The Open Gable



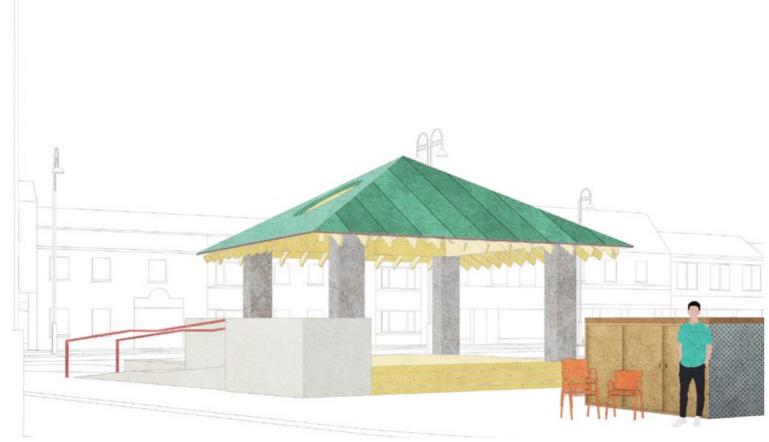


Elevation Plan

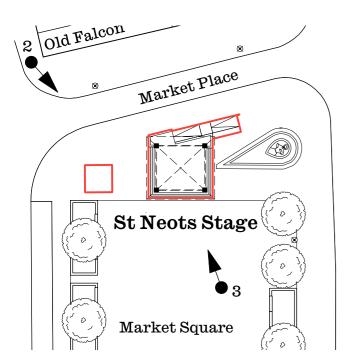
Option 2 - The Hipped Buttercross View from Market Square



Option 2 - The Hipped Buttercross



2. View from Old Falcon Inn



Site Plan

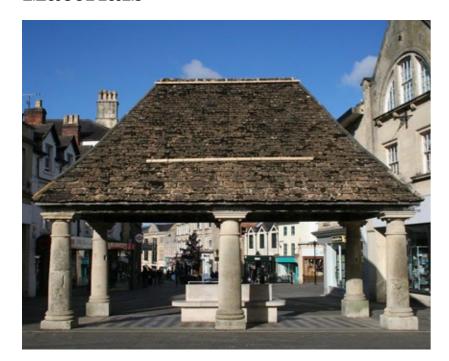




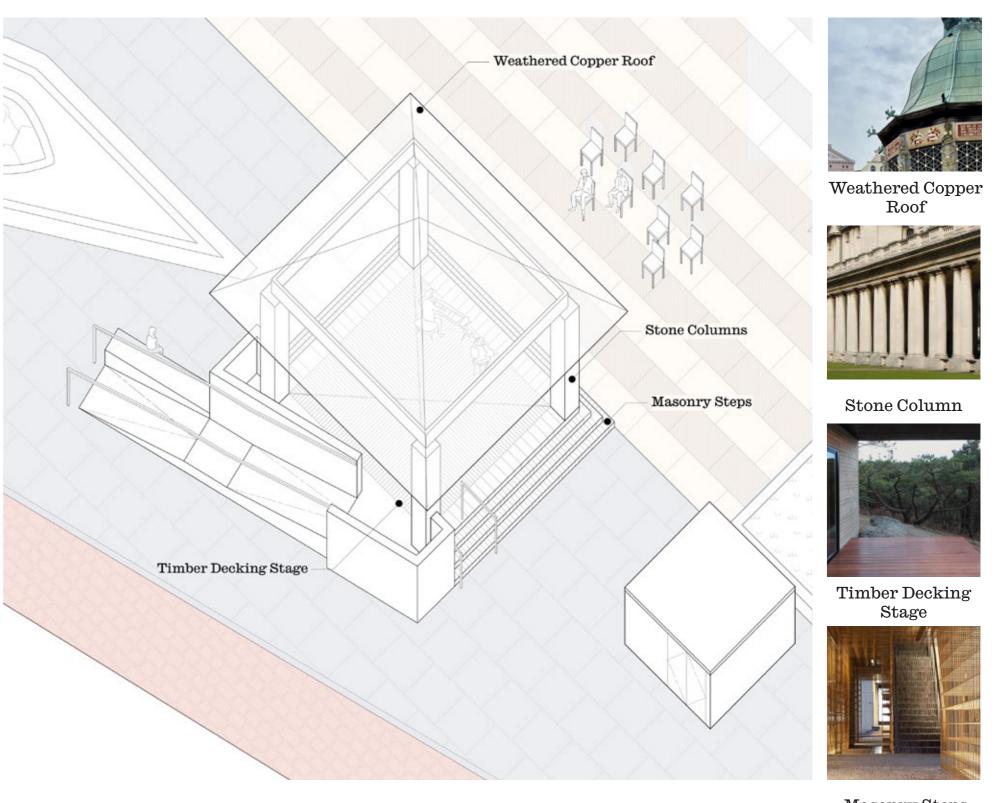
3. View of Stage

Option 2 - The Hipped Buttercross

Materials

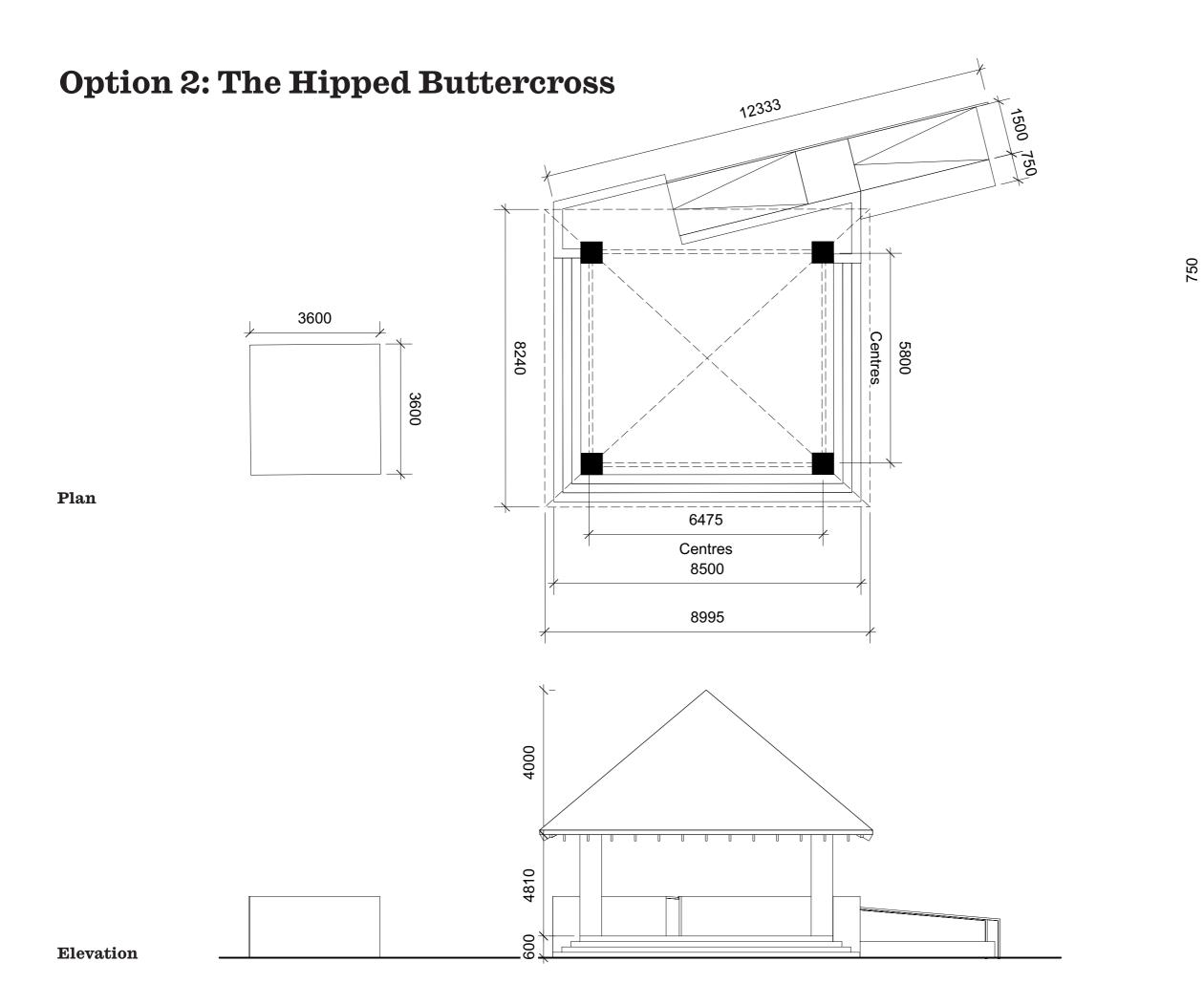


Precedent - Chippenham Buttercross architect unknown



Masonry Steps





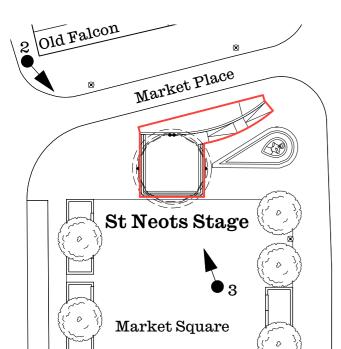


Option 3: The Floating Drum View from Market Square



Option 3: The Floating Drum





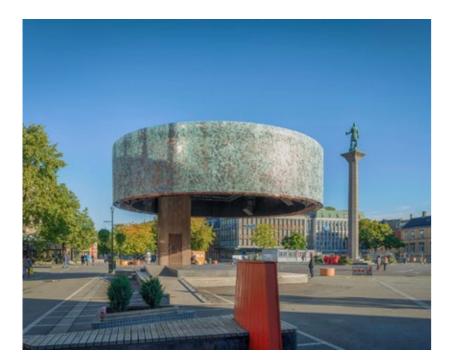
3. View of Stage

Site Plan

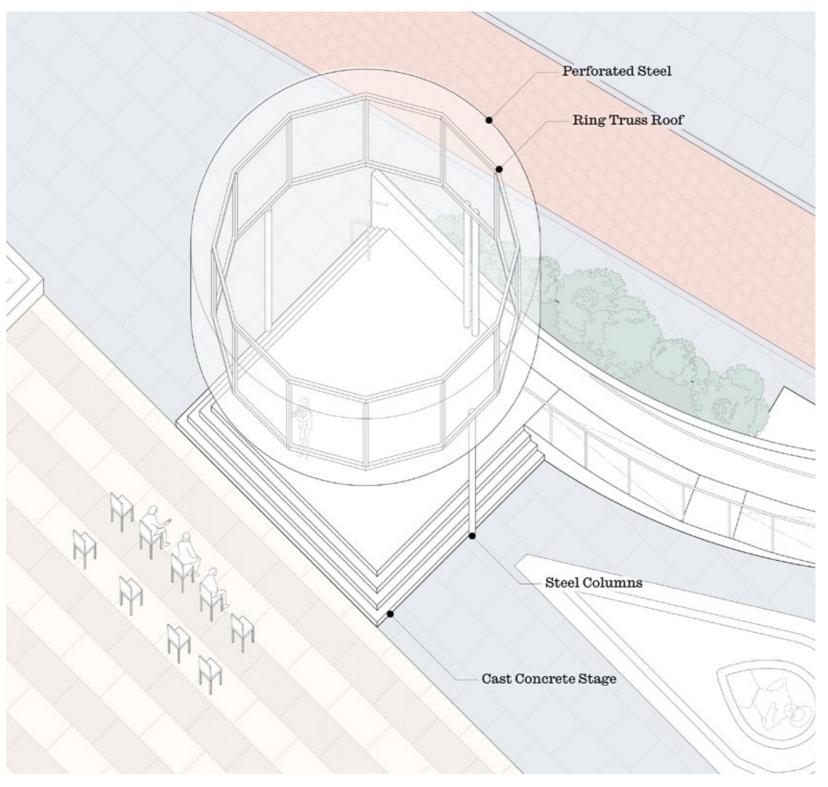


Option 3: The Floating Drum

Materials



Precedent - Hverdagsscene Torvet by HUS Arkitekter





Perforated Steel



Steel Columns



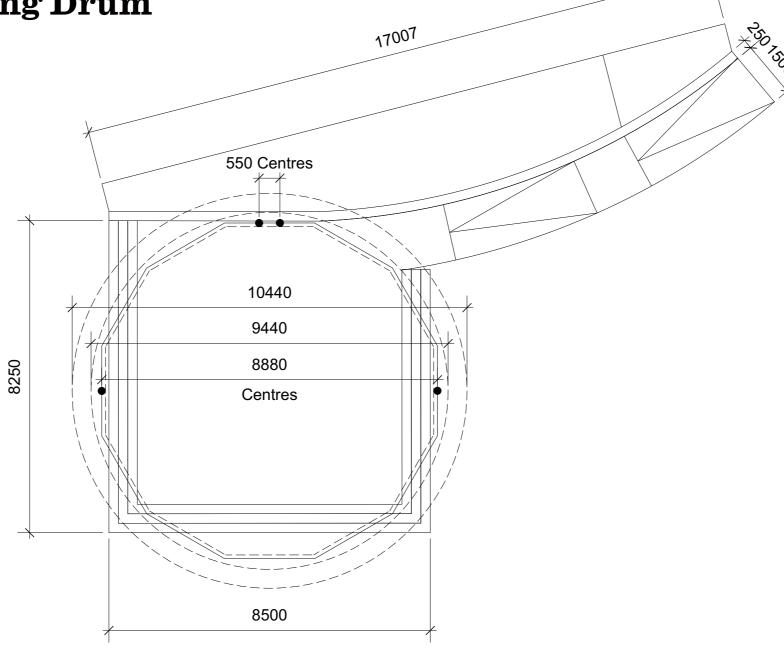
Cast Concrete Stage



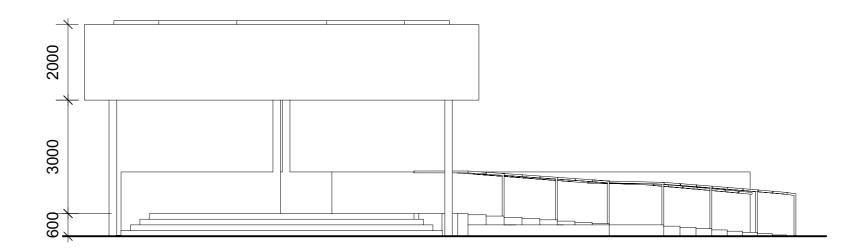
Ring Truss Roof



Option 3: The Floating Drum

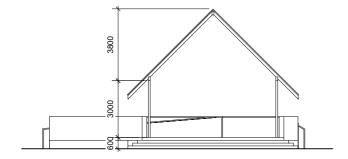


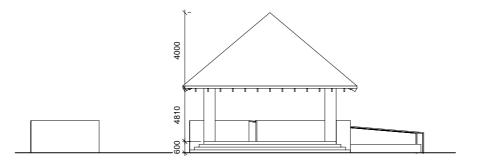
Plan

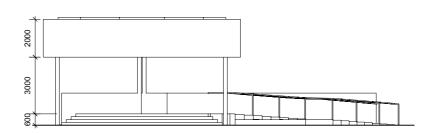


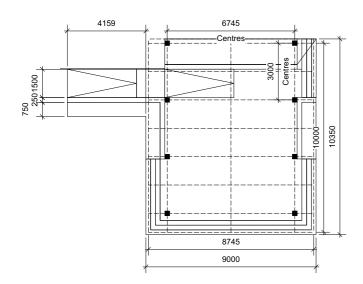
Elevation



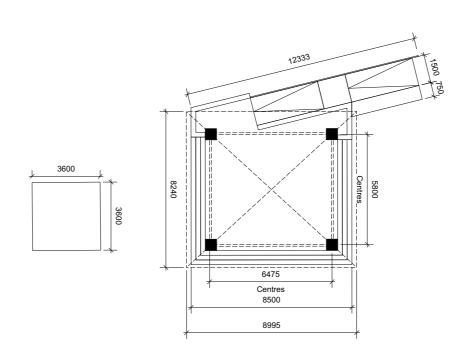




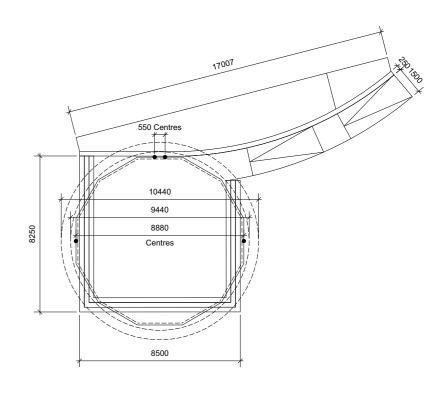




Option 1: The Open Gable



Option 2: The Hipped Buttercross



Option 3: The Floating Drum

5. Theatre & AV and Structural Design

Theatre Design

Refer to Appendix A3 by Stage Right

Stage Right Theatre Consultants have developed theatre and AV design for the Stage 2 designs, this is described in Appendix A3 and covers:

Sight-lines

Design Options Review

Technical Equipment Rack Provision

Facility Panels/Infrastructure

Power Requirements/Outlet Required

Installed Audio System

Audio Infrastructure Layout

Lighting Infrastructure Layout

Structural Design

Refer to Appendix A4 by Simple Works

Structural Engineers, Simple Works, designed a Stage 2 structural design for each of the three concept design. These are described in Appendix A4



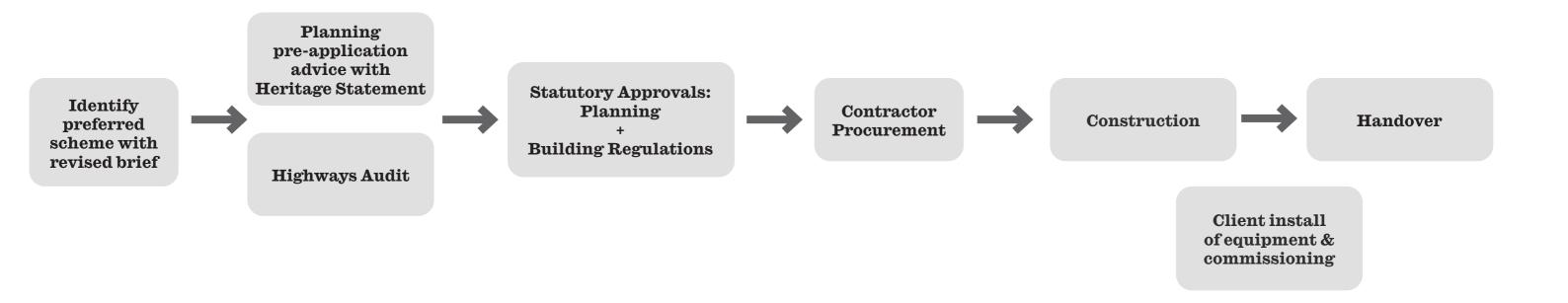
6. Delivery

Next Steps

Delivery

This page sets out the key activities for project delivery.

Section 8 concludes the key project considerations and next steps.



RIBA STAGE 3
SPATIAL COORDINATION

RIBA STAGE 4
TECHNICAL DESIGN

RIBA STAGE 6 & 7 HANDOVER & USE

RIBA STAGE 5
MANUFACTURING &
CONSTRUCTION

Project Risk Assessment

STRATEG	IC/PROJECT MANAGEMENT RISKS											
	2:1	D 1 (15)	(1.5)	T I (D)	0			Residual Risks		Comments	Deadline	Implication of non-action
	Risk	Prob (1:5)	Impact (1:5)	Total (R)	Recommended Action/Comments	Owner	Residual Prob	Residual Impact	Total			
A	EXTERNAL RISKS						nesidadi i i ob	nesidua impuet	10141			
A1	COVID 19 outbreak or similar variant that causes major disruption	1	5	5	Vaccination, social distancing, mask wearing etc. Use of video meetings.	ALL	1	3	3	Low a risk at present		
A2	Cost uncertainty due to global market conditions.	5	5	25	Monitor conditions and BCIS inflation indexes. Plan ahead for key materials. Increase contingency budgets	Design / QS	3	4	12			
В	FUNDRAISING & FINANCIAL				increase contingency budgets							
B1	Lack of clear brief / project requirements results in delay to programme, abortive works or lacking design.	5	5	25	Stakeholder consultation has been undertaken and arrangements updated to reflect feedback. Building Client engagement is ongoing.	Client	1	2	2			
B2	Failure to meet project budget	5	5	25	Cost estimating carried out through Stage 2. Costing updated following ongoing consultant input.	Client/Design / QS	4	4	16	Ongoing cost reporting required. Change of budget or scope reduction required to meet project budget		Cost
В3	Global economic or market instability distrupting supply chains. Changes in labour, materials, equipment and plant costs	3	3	9	Early engagement with preferred suppliers. Ensure tender package is developed to allow timely procurement.	Design / QS	1	2	2			Cost/Programme Risk
С	STATUTORY APPROVALS											
C1	Planning risk	3	5	15	Use of pre-application and thorough consultation with community and authorities. Pre-app conversation with planning and conservation officer required.	Architect	3	4	12	Pre-application required before planning risk can be acceptability mitigated		Risk of failed planning application and abortive costs
C2	Failure to gain building control approval causing delay and abortive costs	3	4	12	Use of pre-application.	Architect	2	2	4			
D	PROGRAMME											
D1	Failure to deliver the project within agreed time frames risking additional costs and loss of funding	5	4	20	Awareness of project programme activities and risks. Project programme from Stage 3 onwards required to be developed with client and design team outlining activities and risks. Confirmation of funding amounts anddeadlines is required from client. Design Team to propose options based on differing budgets.	Client/QS/Architect/ Design Team	2	4	8			
E	PROCUREMENT / CONTRACT											
E1	Inappropriate procurement method has time/cost/quality risk for project	4	5	20	Procurement route analysis was carried out by project manager. Liase with client and PM on PQQ processes. Proactive promotion	ALL	2	2	4			
E2	Failure to obtain sufficient market interest	4	5	20	capturing interest. Ensure appropriate tender package and programme with fair risk transfer.	ALL	2	3	6			
E3	Contractor or supply chain insolvency SITE CHARACTERISTICS	3	5	15	Careful selection and PQQ process, inclusion of bond, abide by contract payment system	PM / QS	2	3	6			
F1	Surveys reveal issues that could not be resolved within budget or represent too large a risk to continue	4	5	20	Early engagement of survey specialists to reduce risk of unknowns.	Design	2	4	8			
F2	Risk of flooding - approach to design coordination and specification	1	1	1		Architect/PM/Client	1	1	1			
G	CONSTRUCTION	4			Rigorous consideration of site works and protection measures.	1	1	3				
G1 G2	Injury to visitors or public during building works	3	5	12	Rigorous consideration of site works, access and protection measures	ALL ALL	2	3	6			
H	Nuisance to neighbours OPERATIONAL	3	4	12	under supervision of Principal Designer	ALL			0			
H1	Impact of construction on Market Square.	4	5	20	Strategy for delivery needs to be developed with client in Stage 3 onwards. Timing of works after main Market Square works will cause additional disruption.	Architect/PM/Client	3	3	9			
H2	Misuse and antisocial behaviour	4	5	20	Robust design and materials required to mitigate harmful impact. Lighting should be considered to mitigate disuade mis-use. An open structure will always carry a degree of risk of ASB.	ALL	3	3	9			
J	BUSINESS SUSTAINABILITY											
К	SURVEYS											
K1												
L1	DESIGN CONSIDERATIONS											
L1 M	Theatre & AV Design			0					0			
M1	Appropriateness of design - failure to meet stakeholder brief	3	5	15	Coordination with design team/client and specialist client team members. Ensure key stakeholders idenified and adequate sign off procedures are set out to ensure design meets requirements.	Design Team/Architect/Clien t	3	2	6			
M2	Failure to meet budget	4	5	20	Alignment with budget required. Potential development of good/better /best specification and/or identification of baseline infrastructure for Stage 3	Design Team/Architect/Clien t	3	3	9			
N	MEP Design										1	
N1	Coordination with existing infrastructure	4.0	4	16	Designs developed utilising Market Square design information. Additional surveys to be established for Stage 3.	MEP	2	4	8			
0	Structural Design											
01				0					0			

Interpreta	tion of Risk
15 - 25	Unacceptable
9 - 14	Close Monitoring
0 - 8	Acceptable



Costs

Refer to Appendix A5 by MEA

The current construction cost estimate, is outlined in Appendix A5.

The costing has been split into elemental items for each of the three options.

The table opposite summarises the costs for the stage, canopy and tech for the three options.

The cost estimate attached splits technical items into split into two parts:

1. Base wiring

This is included within project costs allowing for the subsequent installation of required technical equipment.

2. Technical Equipment

This is included below the line as items that can be procured with the main works, client direct or subsequent to main works construction. The specification of this is to be tested and refined with the client and stakeholders through Stage 3.

The current project cost estimate exceeds the allocated funding budget. The scope of the costed scheme has been developed in response to the Stage 1 consultation feedback and direction; to include a raised platform, canopy structure and AV tech. These items are shown elementally on the adjacent summary table. The costing demonstrates cost variation across different materials and forms approaches. Significant cost reductions would require a reduction in the size or scope of the stage, the roof structure or the AV and speaker technical provision.







	OPTION 1	OPTION 2	OPTION 3
STAGE	£ 65,200.00	£ 63,200.00	£ 74,700.00
CANOPY	£ 63,500.00	£ 82,500.00	£ 111,500.00
TECH	£ 32,000.00	£ 32,000.00	£ 32,000.00
TOTAL	£ 160,700.00	£ 177,700.00	£ 218,200.00
OHP, CONTINGENCY & INFLATION	£ 119,492.00	£ 121,660.00	£ 126,824.00
TOTAL CONSTRUCTION COST	£ 280,192.00	£ 299,360.00	£ 345,024.00
FEES & SURVEYS	£ 41,123.00	£ 43,423.00	£ 48,903.00
TOTAL PROJECT COST	£ 321,315.00	£ 342,783.00	£ 393,927.00
TECHNICAL EQUIPMENT	£ 85,000.00	£ 85,000.00	£ 85,000.00
TOTAL COST	£ 406,315.00	£ 427,783.00	£ 478,927.00

Cost summary - refer to A5 for full cost estimate



7. Health & Safety

Designer's Risk Assessment

By AOC

	RISK RATING GUIDE												
	SERVERITY	Insignificant	Minor	Moderate	Major/ Severe	Critical/Fatal							
LIKELIHOOD	Risk Rating	1	2	3	4	5							
Very Unlikely	1	1	2	3	4	5							
Unlikely	2	2	4	6	8	10							
Possible	3	3	6	9	12	15							
Likely	4	4	8	12	16	20							
Highly likely	5 5		10	15	20	25							
low	N	loderate	Considerab	le Hig	ıh 📗	Extreme							

Project risks are assessed by the design team on the case of severity and likelihood. Risks are recorded where the resultant risk is not acceptable. The register records further risk control measures applied, the residual risk rating and highlights where action is required. Where the risk rating cannot be reduced an alternative means would be sought.

1.0 RISK FOR CONSTRUCTION

					Ini	itial Risk Ratin	g		Residual Risk Rating			
					L	S	R	1	L	S	R	
Ref No.	Activity / Element	Potential Hazards	Population at Risk	Is the risk acceptable?	5	5	25	Risk Management Action Required	5	5	25	Action Required By
1.01	Site Establishment	The works site is near a busy public highway and active market square	Adj. residents & business owners General public	N	3	3		Develop an appropriate Traffic Management strategy, including adequate signage and markings. If works require any road closure, consider scheduling this outside peak hours for pedestrians and	1	2	2	Contractor
1.02	Security & Containment	Trespass Dust pollution Acoustic pollution	Site Staff Visitors Adj. residents General public	N	5	3	15	Erect and install hoarding to contain contractors work area Establish acoustic requirements.	1	3	3	Contractor
1.03	Access / Delivery	Trespass Vehicle movements infringing public or site works	Staff Site Staff Visitors General public	N	5	3	15	Establish control method for entry and direction to area of works Provide secure entrance to works area Have a works area sign in book for all visitors Define methods for open hours and	1	3	3	Contractor

1.0 RISK FOR CONSTRUCTION

					In	itial Risk Rating	9		Re	sidual Risk Rati	ng	
Ref No.	Activity / Element	Potential Hazards	Population at Risk	Is the risk acceptable?	L 5	S 5	R 25	Risk Management Action Required	L 5	S 5	R 25	Action Required By
1.04	Existing Services	Inappropriate use of existing services for construction tools and equipment		N N	4	3	12	Existing survey and as built information provided by client & design team Contractor to confirm existing services strategy prior to commencement	1	3	3	Contractor
1.05	Existing Services	Striking live services during construction works	Site staff Visitors Adj. residents	N	4	3	12	Existing survey and as built information provided by client & design team Contractor to confirm existing services locations prior to commencement	1	3	3	Contractor
1.06	Emergency Procedures	Infringement with existing site emergency procedures for fire or other emergency evacuation	Staff Visitors Adj. residents	N	5	4	20	Ensure site procedures are not infringed Ensure all site staff are inducted to emergency procedures Define methods for public hours and non-public periods	1	4	4	Contractor
1.07	Materials & storage strategy	Infringement upon site works, resident or public areas Hazardous storage Confined spaces Theft Dust pollution	Site staff Adj. residents Visitors to site	N	5	3	15	Allocate area on site Provide secure storage on the premises Allow for clear circulation around storage Site cleanliness Store flammable and other hazardous materials securely	2	3	6	Contractor
1.08	Materials Handling	Danger to health from inappropriate methods of moving materials and material installation / demolition	Site Staff Visitors	N	5	4	20	Design team to consider feasible methods of moving materials and size modules appropriately Install products as per manufacturers recommendations Observe requirements for protective gloves or clothing Observe safe methods of lifting and carrying Ensure heavy objects are adequately supported	1	4	4	Design Team / specialist subcontractor Contractor
1.09	Erection of structural elements	Dangerous manipulation of structural elements during construction	Site Staff Visitors	N	4	5	20	Offsite fabrication has been optimized throughout the design.	1	5	5	Contractor
1.10	Working around general public	The works site is in a busy market square. Extra care should be taken with regards to safety, access and security, in particular during busy periods	Visitors General Public	Y	2	1	2	Provide adequate signage and markings and site containment	1	1	2	Contractor
1.11	Working in Neighbourhood	Damage to existing buildings on and adjacent to site caused by inappropriate construction		N	5	5	25	Local residents to be informed of proposed construction schedule, times and methodology.	1	5	5	Contractor
1.12	Finishes and edge details	Rough finishes or edges could cause injury	Site Staff Visitors	N	5	3	15	Establish quality of finishes prior to Completion Contractor to ensure no rough or sharp finished edges that could cause injury. Client to agree procedure for identification, reporting and completing repairs	1	3	3	Contractor / Client

1.0 RISK FOR CONSTRUCTION

			T		Initial Risk Rating				Re	esidual Risk Rati		
Ref No.	Activity / Element	Potential Hazards	Population at Risk	Is the risk acceptable?	L 5	S 5	R 25	Risk Management Action Required	L 5	S 5	R 25	Action Required By
1.13	Contractor and Visitor Welfare	Provide adequate welfare facilities on site	Site Staff Visitors to Site	N	2	3	6	Contractor is responsible for ensuring all attendees to site are provided with necessary H&S & welfare facilities which allow for necessary breaks, in the event of falling ill or to attend to injury.	1	1	1	Contractor
1.14	Solvents and Hazardous Materials	Risk of breathing vapours, ingestion, skin and eye contact	Site Staff	N	2	4	8	Use of PPE and well ventilated spaces. Omit if possible.	1	4	4	Design Team / Contractor
1.15	Working at height	Risk of falling / injury Risk of falling objects	Site Staff	N	5	5	25	Designer to remove need to work at height where possible. Contractor is responsible for procedures and temporary structures where working from height necessary	1	5	5	Contractor
1.16	Removal of existing paving	Risk of injury and hearing damage due to use of heavy plant.	Site Staff Visitors	N	3	3	9	Method statement to prioritise quiet works. Ensure all works are prohibited on site when visitors are present to avoid unnecessary injuries. Provide PPE appropriate to	1	3	3	Contractor
1.17	Working around retained elements. Risk of damaging existing fabric	Damage to existing retained elements	Site Staff Visitors	N	5	3	15	New building elements sized with regard to existing space and entry routes. Contractor to ensure protection of retained elements.	1	3	3	Design Team / Contractor
1.18	Working in vicinity of live services	Risk of any undocumented services. Risk of electrocution. Risk of damage to the landlord drainage systems	Site Staff	N	5	5	25	Contractor shall survey the installation areas and shall plan their installation to avoid disturbing existing systems. The contractor shall carefully carry out the installation works around the existing services.	1	5	5	Contractor
1.19	Dust pollution from cut paving slab	Inhalation of dust	Site Staff	N	5	2	10	Use of PPE and well ventilated spaces. dust suppression equipment. Keep area unobstructed.	2	2	4	Contractor
1.20	Covid-19	Spread of infection	Site Staff	N	4	4	16	Ensure upto date guidance is followed and approporiate PPE used as nesessary	1	4	4	Contractor

2.0 RISK FOR CLEANING/MAINTENANCE & USERS – RESIDUAL RISKS

				Is the risk acceptable?	Initial Risk Rating				Re	sidual Risk Rati	Action Required By	
Ref No.	Activity / Element	Potential Hazards	Population at Risk		L	S	R	Action at Design Stage	L	S	R	1
					5	5	25		5	5	25	
2.01	Working around General public	The works site is on busy public street. Extra care should be taken with regard to safety, access and security, in particular during busy periods	Visitors General public	Y	2	1	3	Ensure secure access to works areas.	1	1	1	Contractor
2.02	Finishes and edge details	Rough finishes or edges could cause injury	Users	N	2	3	6	Establish quality of finishes prior to Completion Contractor to ensure no rough or sharp finished edges that could cause injury. Client to agree procedure for identification, reporting and completing repairs	1	3	3	Contractor / Client
2.03	structure	Breakage	General Public	N	1	5	5	Specification of materials and quality of workmanship	1	3	3	Design Team / Contractor
2.04	Unexpected abuse to strcuture or attack due to anti-social behaviour	Breakage, Arson, Sharp edges, use of object as weapon or missile	General Public	N	3	5	15	Specification of durable materials, location and supervision. Consideration of condition after abuse	1	5	5	Design Team / Client
2.05	Demolition at end of life	Danger to health due to release of dust or requirement for destructive processes	Maintenance Staff	N	3	3	9	Consider future dismantling and separation of materials for reuse or recycling	1	3	3	Design Team
2.06	Light and equipment fitting replacement	Risk of falling	Maintenance Staff	N	4	4	16	Use of long life LED 50,000 hours Incorporate safe maintenance plan within H+S File. Secure area around works.	1	4	4	Contractor
2.07	External ground finishes	Risk of slipping	General Public	N	5	4	20	Appropriate level of slip resistance to be agreed with client	4	5	4	Design team to issue specification for approval
2.08	1 -	Removal of waste/debris and	Visitors General public	N	3	3	9	Designers to consider mitigation to limit infestation/fouling and appropriate access for cleaning	2	2	4	Design Team

8. Next Steps

Next Steps

The Project has been tested as a feasibility. This consultation process is part of a process that considers costs, constraints and opportunities surrounding the idea of a permanent stage in Market Square.

The next stage of design would be to work up an agreed concept proposal in further detail to confirm if the project remains viable. At this stage of design you would typically apply for planning and highways approval. This next stage would therefore include further statutory consultation and more detailed information on particular proposals.

Many people offered thoughts on the development of the design, and many of these comments considered constraints and opportunities discussed during the first round of public consultation. It is vital as the project develops and moves out of the feasibility stage that all such matters remain prominent and are retested. The issues raised in this section correlate well with some of the feedback provided in comparing one option to another – so a summary of some of the issues follows under some key themes.

Revised Designs

There is a request for high quality design using high quality materials that will last.

People request that the permanent stage is not overbearing in size or use – it shouldn't diminish the sense of open space nor restrict other uses and neighbours. There were questions regarding the stage impact or incorporation into larger temporary events, and to ensure it could be used for other purposes. There was concern that the one size fits all permanent stage might not work for all current and anticipated events.

Many reiterated the need for the permanent stage to be 'in keeping'. There was a number of people interested in a traditional bandstand, although typically located in parkland and often of the Victorian period, and not as old or historic as the market square.

More radical suggestions included incorporating the performance function into the opened-up upper floors of the Falcon Pub. Two requests were made for fountains to be incorporated, and 1 request for additional buildings such as the Ramsey 'small-shops' proposal.

Design Development

There was interest in how the project could proceed. As a design develops there was a request to see better visuals with more emphasis on the material specification (a usual process would provide this). Some felt these initial feasibility options did not provide the 'wow' factor required to match the town square works – and different people could see how the knee jerk modern vs historic reactions might not get an outcome that St Neots deserves. They asked for a richer narrative and material response and a respectful yet innovative 'bandstand of the future'.

There was a request to make a final design that can uniquely identify the structure and locate it to St Neots – helping to create a visual identity (the typical concept and detailed design process that follows can help secure this outcome).

Management & Vandalism

There was a lot of concern regarding anti social behaviour and vandalism when the stage is not is use – and whether it needed protection such as locking down or using CCTV. Wood was considered risky due to fire damage – its needs to be 'as vandal proof as possible'.

A permanent raised platform seemed to be the understood priority – with the flexibility to be made bigger for larger performances. The roof covering is potentially a risk of attracting anti-social behaviour after dark.

There was concern about the increased programming of events and their impact on neighbours and other square users. There was a request for an events business plan and public notice of the programme. People wanted the town council consulted during the entire process.

Maintenance

There was concern that a permanent stage will 'be trashed'. There was a request to know how the structure will be maintained – ensuring a non-slip surface for performers. There was concern around timber finishes.

Technology & Capacity

A number of comments were raised regarding the use of technology, power and AV. Useful concerns regarding both ambient lighting when not as a stage, but also ensuring the right level of investment to get the best levels of performance. The feasibility study concludes with design work by AV theatre consultants and electrical engineers, so more information will be forthcoming as the project proceeds.

Impact on the Market Square

The permanent stage feasibility overlaps with the completion of the works to the market square. There was some concern that this additional work will add to the inconvenience and impact upon work just completed.

Local Resident Support

The free response section of the Stage 2 consultation was only just negative with a 38/36 split between negative and positive comments. Many of the respondees requested an option to say whether they would like to see a stage at all, citing concerns about cost, disruption, maintenance and ASB. There is a need to continue the open discussion through the development of any proposals to ensure that residents continue to feel listened to. We would propose a statement of community engagement to be submitted with any planning application, that would capture all engagement from stage 1 onwards, charting how the design has evolved in line with considered feedback.

Planning Approval

Market Square is a historic sensitive site. The stage will require planning approval to proceed and this will include statutory consultation. Pre-application engagement with the planning and conversation officer are required as a next step.

The Preferred Option

The conclusion of the public consultation provided a potential best-fit solution. If it is decided to build a permanent stage then the feedback preferences across the 3 options are to further consider developing a hipped buttercross roof with a weathered copper roof and a stone stage. The layout would have planting integrated along the west side of the stage and ramp, with a store for chairs and performance equipment.



Appendices

Appendix A1
Appendix A2
Appendix A3
Appendix A4
Appendix A5

RIBA Stage 2 Consultation Boards by AOC RIBA Stage 2 Consultation feedback Summary by AOC Structural Design by Simple Works Theatre and AV design by Stage Right Stage 2 Cost Estimate by MEA