



NATIONAL SPITFIRE MONUMENT - MAYFLOWER PARK INTEGRATION
19/01363/FUL - January 2024

NATIONAL SPITFIRE MONUMENT

Public Realm Interfaces



Introduction

This document was prepared for discussion purposes with Southampton City Council to illustrate the National Spitfire Monuments integration into Mayflower Park. It should be read in conjunction with Planning Application Number - 19/01363/FUL.

This work has been prepared in support of our existing application to illustrate how the monument will be integrated into the parkland prior to the future redevelopment of the park being undertaken by the Southampton City Council (SCC).

Our aim is to establish the working parameters for the projects insertion into the existing park infrastructure, to safeguard the monument against rising sea levels and to provide level access to the monument until such a time as the existing park is refurbished by the city.

NICKOLAS HANCOCK

Nick Hancock - Designer

NATIONAL SPITFIRE MONUMENT

Public Realm Interfaces



Mayflower Park - Existing waterfront public concourse and revetments to be replaced

Mayflower Park

Located along the waterfront facing the River Test, Mayflower Park is fronted along two of its sides by brickwork revetments that have fallen into disrepair and require replacement. Many options for how these are to be replaced have been considered by the SCC however at this juncture none have been commissioned due to cost constraints. The park also suffers from poor drainage and is under constant repair also requiring attention.

The National Spitfire Monument is located in the corner of the parkland cantilevering out over the existing revetment and water line. The approved design was created based to the monument sitting at grade with the main public concourse which is currently under review by the council.

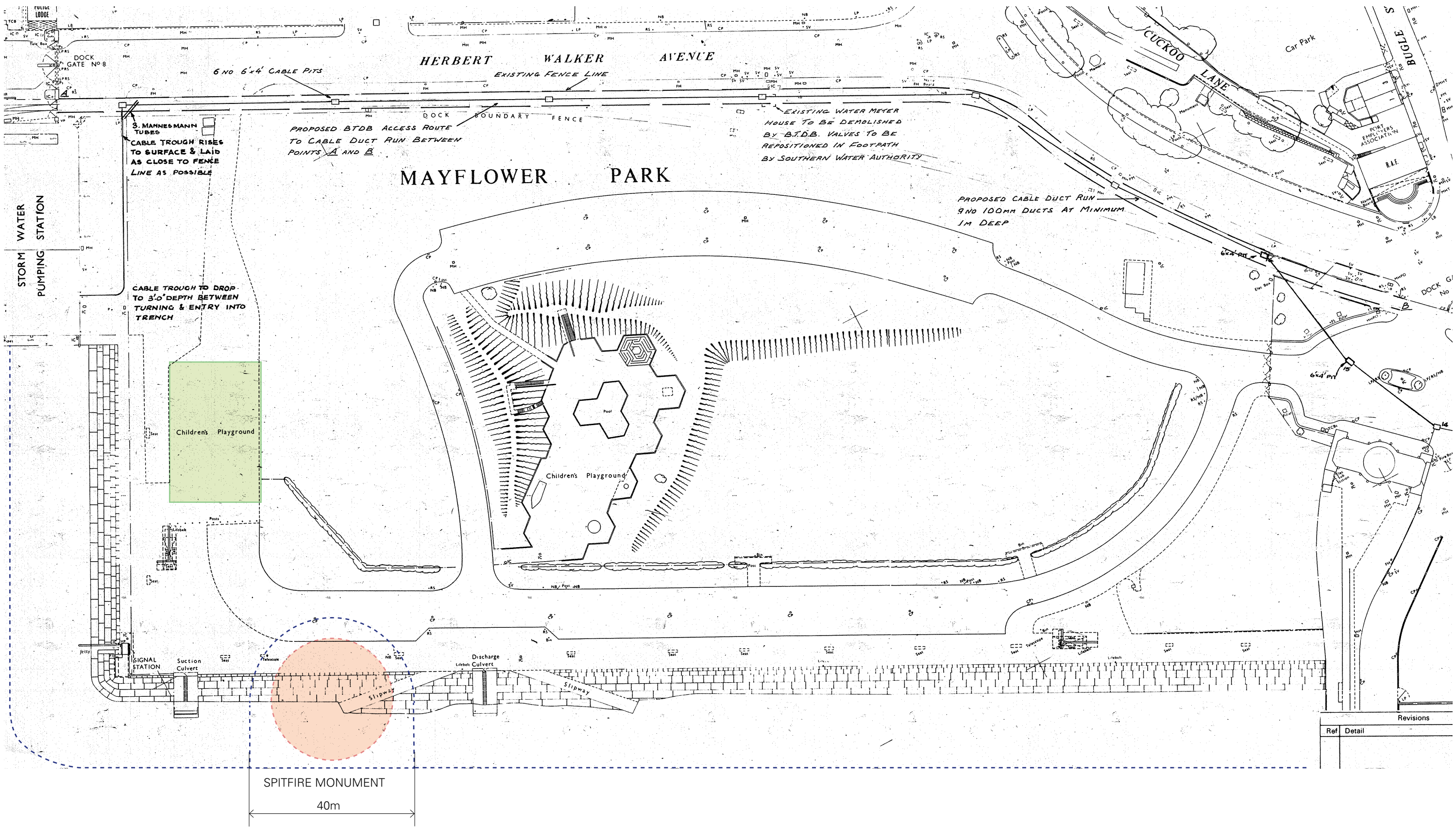
At the time of our application to relocate the monument to Mayflower Park, the intention by the SCC was for all remedial works required to refurbish the park would be undertaken by the city and stakeholders either at the same time or prior to the monument's construction.

These works were to include raising the park levels to mitigate flood risks due to rising sea levels and preparing the parkland into a major public space that can support the monument and tourism that it will generate. Unfortunately these works have not yet been undertaken and are still under discussion due to cost constraints.

On this basis the monument will most likely be constructed first. To do so we need to establish with the council to what level the revetment walls and public concourse be raised to so that the monument can be integrated seamlessly into the existing masterplan whilst allowing future flexibility for the city to refurbish the park as intended once funds become available.

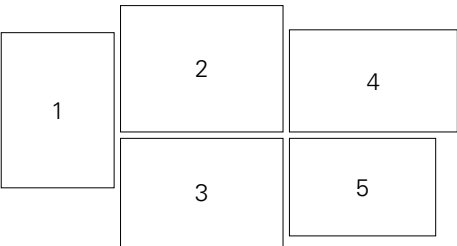


NATIONAL SPITFIRE MONUMENT
Mayflower Park - Existing Condition



- Proposed boundary line
- Proposed public realm/revetment extent
- Demountable Children's Playground

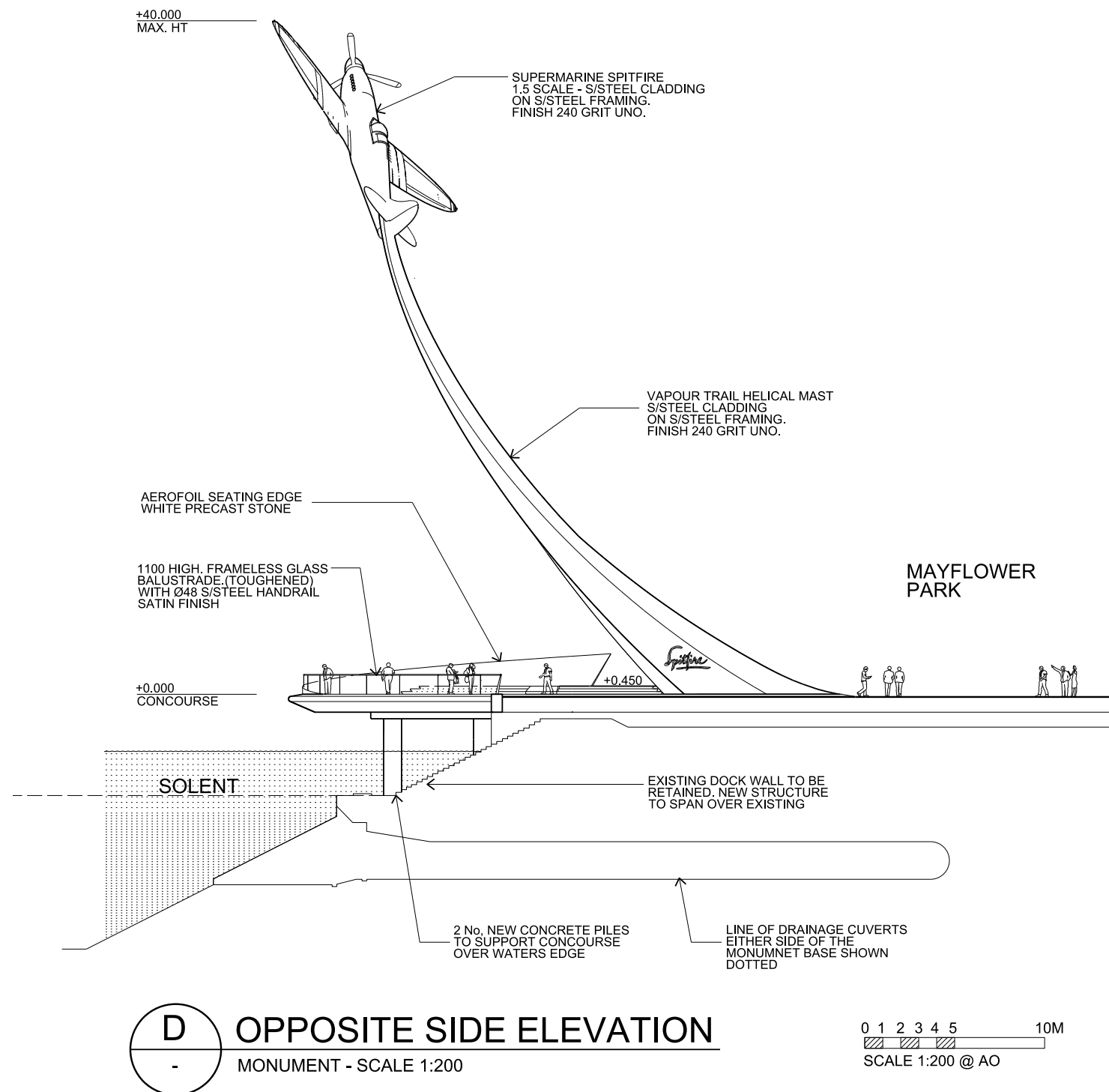
NATIONAL SPITFIRE MONUMENT
Mayflower Park - Existing Public Concourse



- 1. Existing pedestrian asphalt public concourse
- 2. Existing revetment and steps into the River Test
- 3. View of existing revetment towards Town Quay
- 4. View 1 of existing demountable Basketball Court
- 5. View 2 of existing demountable Basketball Court

NATIONAL SPITFIRE MONUMENT

Monument Integration of Approved Design.



The above image is an exert from the approved design illustrating the raised level of the public concourse above the existing revetment line with the monument at grade in-line with future park levels.

Understanding the Constraints.

The Spitfire Monument was designed to have a minimum lifespan of 75+ years. The intention for the approved monument was always for it to be sited at grade, level with the public concourse and for it to cantilever out over the existing revetment line as drawn. As the remedial works to Mayflower Park revetment and parkland have not been undertaken the primary driver we need to agree is the proposed height of the future public concourse.

Establishing Levels

The current level of the existing public concourse at the sites location is a datum of 3.3m above sea level. This level reduces slightly at the other end of the park down to 3.2m.

From our discussions with the Environmental Agency, the river level may potentially rise 1.1m during a 100 year period (2015 - 2115) - This allowance is based on a 1 in 200 year event.

Based on a 100 year projection this would require the river wall to be raised to a height of 4.3m. Whilst the level of revetment would need to be raised to this level, the height of the concourse and parkland could be considerably lower behind it allowing flexibility for how the rest of the parkland's could be upgraded.

This level is reflected on the adjacent illustration - the park and public concourse at grade with the monuments roundel base and the park raised 1.1m above the existing levels. (4.3m = 0.000 datum)

Given that the monument will be constructed prior this being realised; temporary works will now need to be put in place to allow for level access to be provided to the monument until such a time as the city undertakes the parks planned remedial works.

Whilst we would favour having the monument constructed as originally intended (at +4.3m). A +1.1m change in level to transition from the existing park level up to the monument would require extensive areas of ramps and a flights of 7 stairs which would heavily impact the way this corner of the park could be used and would be overbearing visually.

These would also need to be removable so that once the concourse level has been elevated locally they can be removed to revert back to the approved design at grade.

As there are currently so many unknowns with regards to how or when the works to Mayflower Park will be undertaken we propose instead to raise the podium to a level that would safeguard the monument from flooding for its designed lifespan (75+ years). Based on the feedback provided by the Environmental Agency this would require the level of the concourse to be raised 825mm above the existing levels.

We instead propose to raise the monument to 900mm above the existing concourse = (+4.1m)

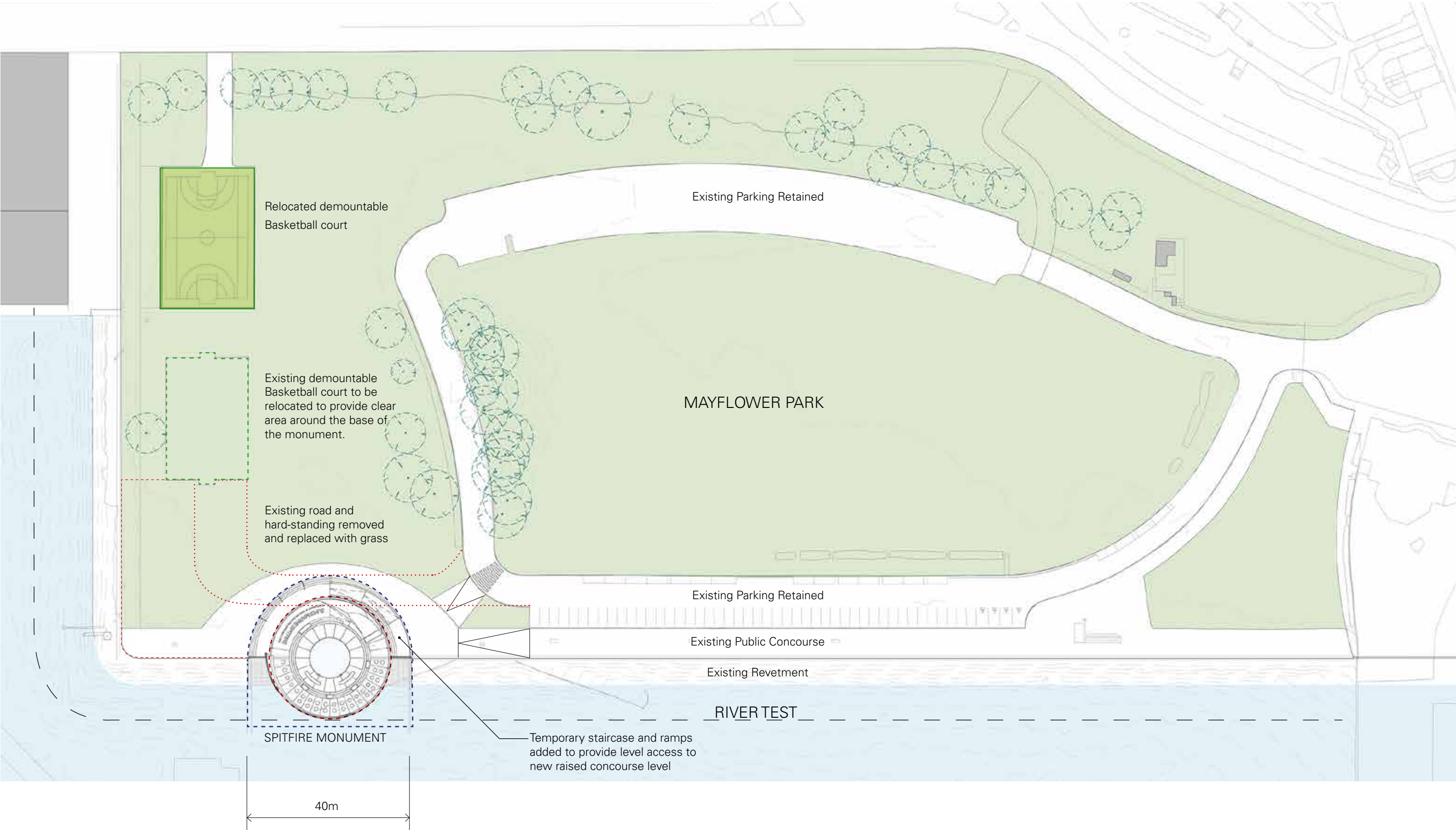
This height safeguards the monument for its lifetime and if the need arises a future decision can be taken by the local authorities to either elevate or remove the monument and raise the defences locally as required.

The slightly lower height can be achieved by introducing 4 risers and feathering of landscaping levels locally, requiring minimal ramping and impact to the existing parkland. This will also provide level access from the outset to the monument until such a time as the SCC undertake the complete remedial works.

Please refer to the following masterplan drawing for how this could be realised.

NHDS

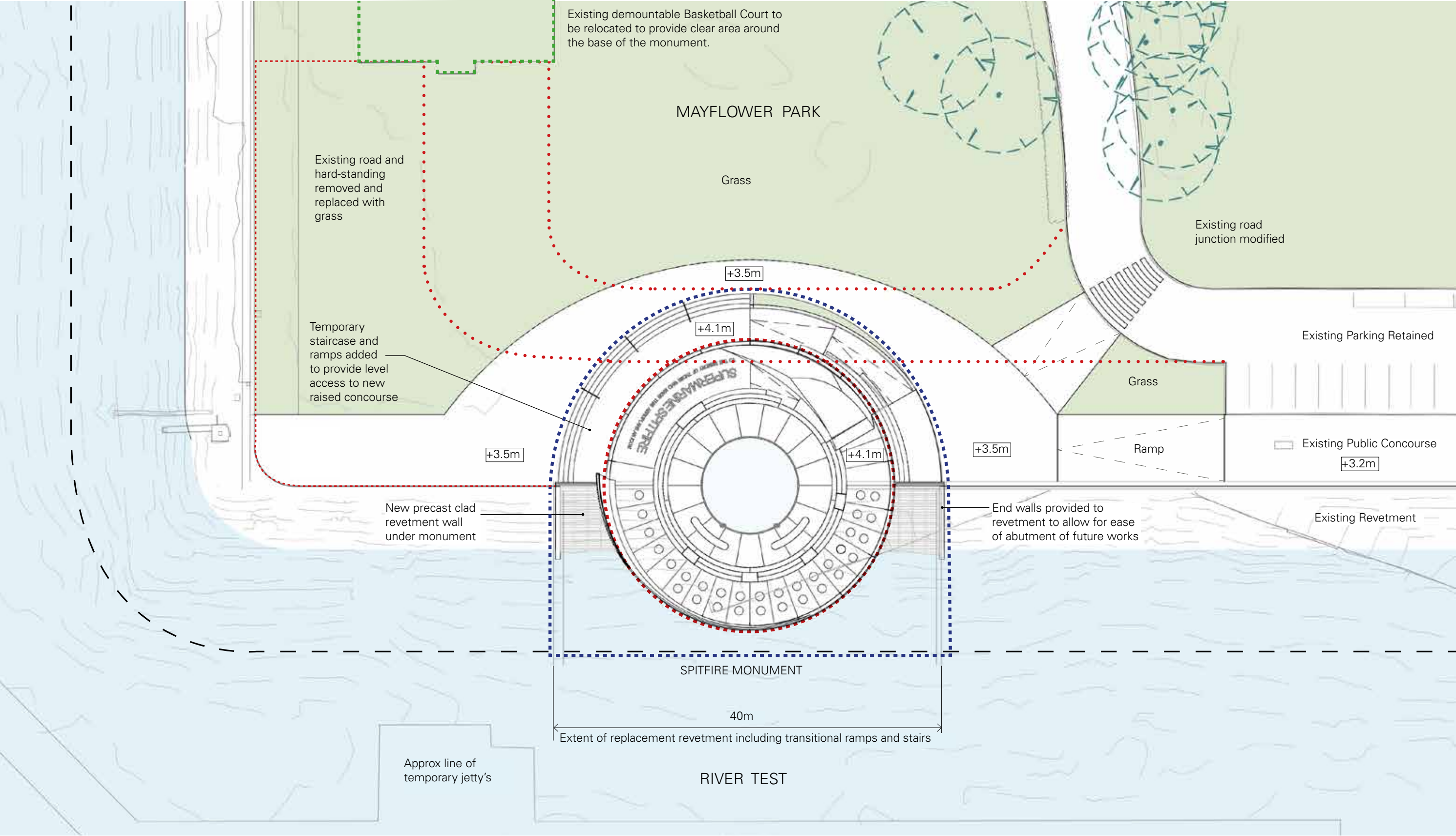
NATIONAL SPITFIRE MONUMENT
Mayflower Park - Proposed Monument Integration Plan



Proposed Integration of the Monument into the existing parkland prior to future upgrade works of Mayflower Park taking place.

NATIONAL SPITFIRE PROJECT

Proposed Monument Integration Plan



KEY

- Proposed boundary line
- Proposed public realm/revetment extent
- Landscaped Demountable Basketball Court (relocated)
- Existing Road line (removed)
- Existing Revetment line
- Existing Hardscape area (to be landscaped)

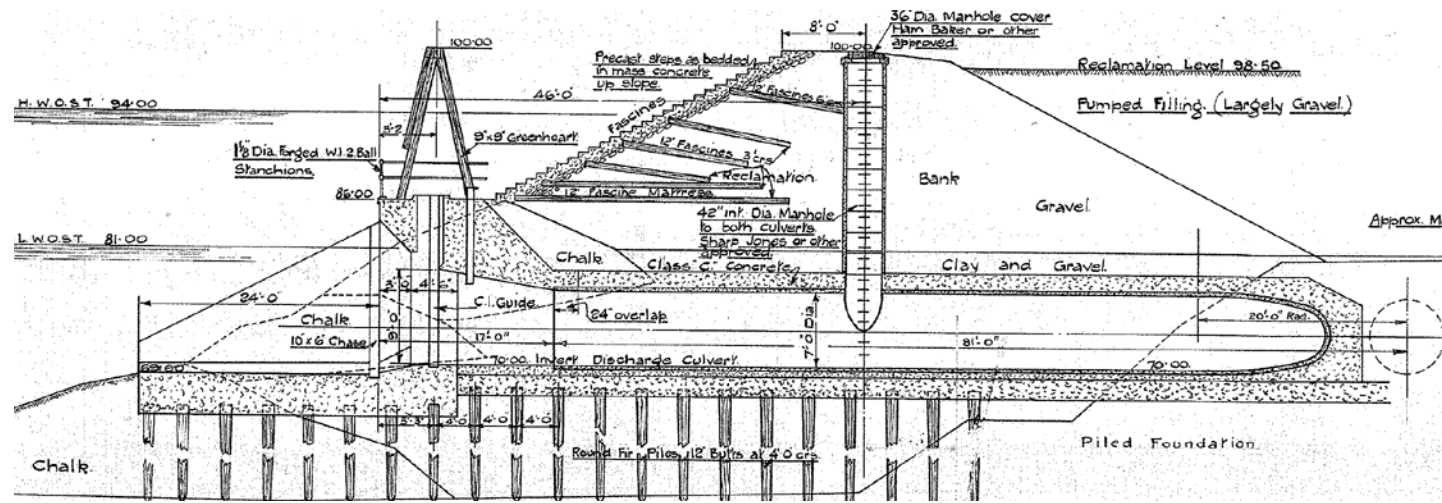


View of Monument approach from Mayflower Park - Temporary staircase and ramping proposed to transition from the existing park levels up to the new raised concourse level.



View of monument approach illustrating the new staircase
Integration to raise the level of the public concourse

Public Realm Interfaces



NHDS

After discussions that we have had with the SCC regarding how they intend to upgrade the revetment walls, we were told that due to funding issues the existing brick revetment would need to be retained and refurbished insitu. Whilst no detail drawings were provided they suggested that it would be achieved by introducing a new sheet pile wall to the top of the revetment and one at the tow and of the existing wall line to be retained and for it to be re-clad in an appropriate material.

Our Proposal

This approach not only will ensure that the monument will be delivered to the highest level of quality but also providing flexibility for the additional revetment works to be undertaken once the funding is made available.



View of new curved sheet pile wall introduced to support the cantilevered concourse. This simplifies the construction and removes the need for water bound piles. New revetment walls to be over-clad in precast concrete panels.

Proposed Materials

Roundel Base and Revetment walls



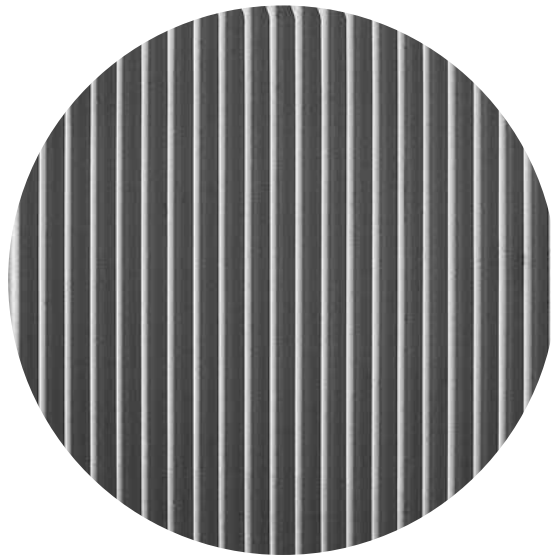
View from the river edge



View of monument to Mayflower park interface



1. Precast concrete revetment canewdon blocks



2. Ribbed precast concrete over sheet piling



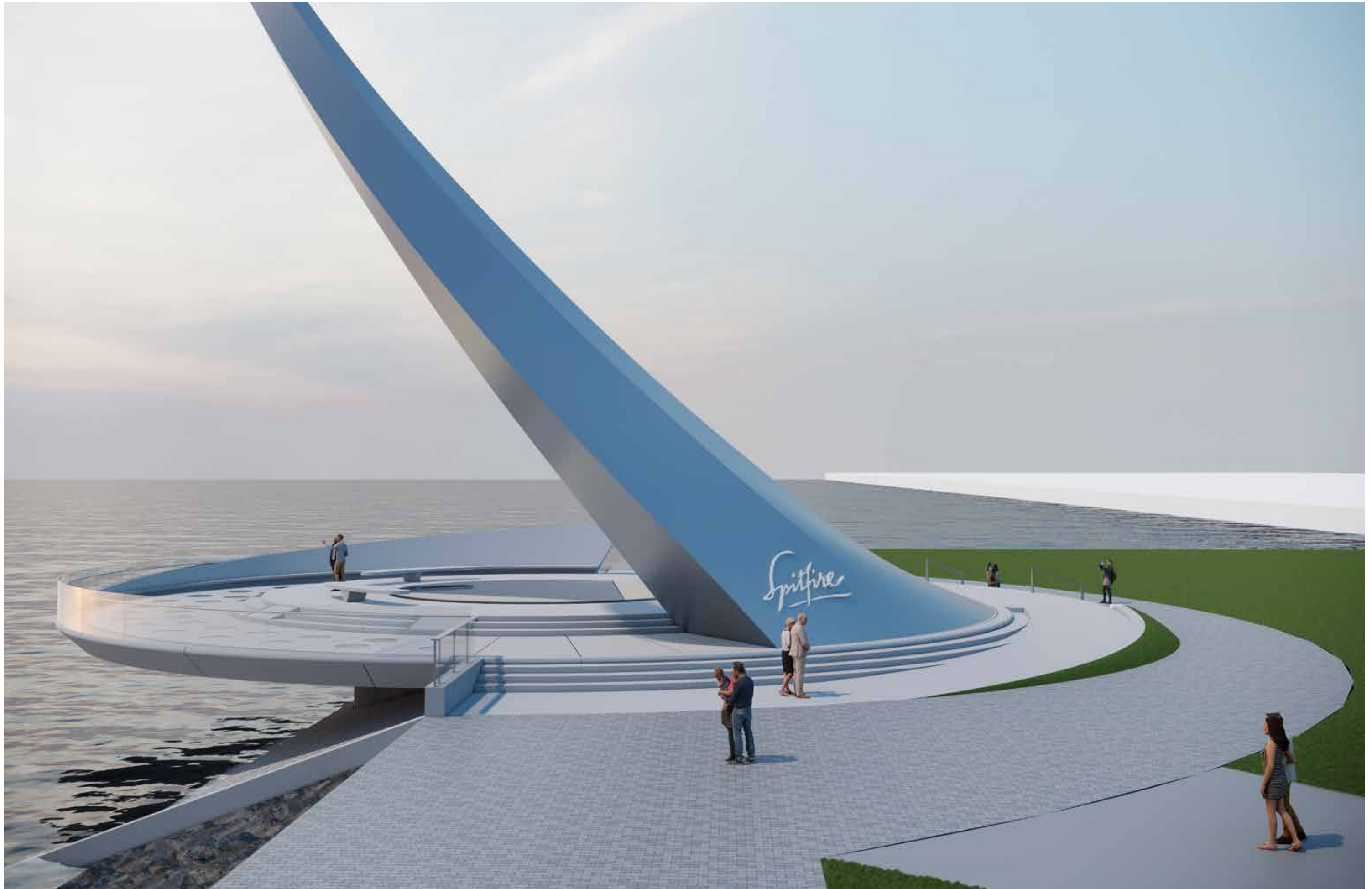
3. Precast concrete



4. Stainless steel



5. Minimal frame glass balustrade



View of monument approach illustrating the new staircase and ramp integration to raise the level of the public concourse