



To: General Purposes Committee **Date:** June 15, 2009
From: Greg Scott, P. Eng., LEED A.P. **File:** 06-2052-50-11-05/Vol 01
 Director, Major Projects
Re: **Richmond Olympic Oval Dyke Works – Site Furnishings Detailed Public Art Concept**

Staff Recommendation

That the detailed design for the site furnishings public art elements located in the dyke area fronting the Richmond Olympic Oval site, as outlined in the staff report dated June 15, 2009 from the Director, Major Projects, be approved.

Greg Scott, P. Eng., LEED A.P.
 Director, Major Projects
 (4372)

Att. 1

FOR ORIGINATING DEPARTMENT USE ONLY			
ROUTED TO:	CONCURRENCE		CONCURRENCE OF GENERAL MANAGER
Parks Design, Construction & Programs	Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	
Culture and Heritage	Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	
Engineering	Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	
Roads & Dykes	Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	
Environmental Programs	Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	
REVIEWED BY TAG	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	REVIEWED BY CAO
			YES <input checked="" type="checkbox"/>
			NO <input type="checkbox"/>

Staff Report

Origin

As per the City's public art policy, the integrated design concept for site furnishings, public art and landscape for the dyke area fronting the Richmond Olympic Oval site was presented to Council on April 14, 2009. Council approved the concept and the recommendation to enter into contracts with the artists and consultants, but requested the following referral:

That the integrated design concept for site furnishings, public art and landscape for the dyke area fronting the Richmond Olympic Oval site as outlined in the staff report dated March 27, 2009, from the Director, Major Projects entitled "Richmond Olympic Oval Dyke Works – Site Furnishings Public Art Concept" be approved, and that the detailed design be brought back to Council.

The detailed design for the art elements is shown in the graphic material contained in this report, as well as the model provided by the artist at committee.

Analysis

The goal of the concept is to achieve the following:

- Engage people at multiple scales: distant views, foreground elements, and at a pedestrian scale.
- Highlight Oval site as a part of the Middle Arm Dyke Trail
- Interpret the environmental, heritage, and cultural aspects of the site in an innovative way.

Descriptions of elements:

As previously reported, the concept features two main elements—the alluvial wall, and viewing platforms.

- alluvial wall: to be made from cast-in-place concrete, in three sections, 100 to 900mm high, cast in a series layered, horizontal pours that reflect the sedimentary nature of the alluvial flood plain. These walls feature the following:
 - straightforward construction;
 - structurally sound design for durability and longevity;
 - multiple purpose (seating, walking, visual interest).
- three platforms: to feature concrete foundations, steel structure, and wood decking, visually integrated with the dyke, the natural landscape and the Oval site. These platforms will feature the following:
 - non-slip surface typical of wood decking;
 - provisions for dismantling for dike servicing or emergency events;
 - maximum 600mm (2 ft.) drop from decking edges to groundplane below, to minimize risk;

- native grass and small shrub plantings around platforms to soften edges and tie into landscape;
- level, stepped and sloped sections of deck for multiple uses including walking, sitting, reclining, and viewing, designed to highlight views to various elements in the area.

Other Considerations:

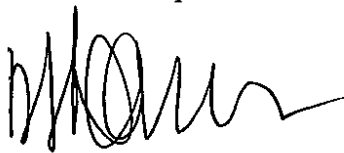
- The main component of each platform is level and at the same grade as the dike trail from which it is accessed, providing universal accessibility.
- The proposed art pieces do not preclude the future addition of piers or wharves into the Fraser River.
- An operating budget impact (OBI) was submitted with the original capital submission for this art work. Per public art policy, the operating and maintenance costs will not exceed 2% of the total capital cost.
- The art elements and the proposed low plantings maintain clear sight lines for pedestrians along the dike trail and at the Oval site, thus addressing personal safety concerns.
- The existing lighting on the curved pathway next to the art sites provides sufficient lighting for pedestrians passing through the area at night.

Financial Impact

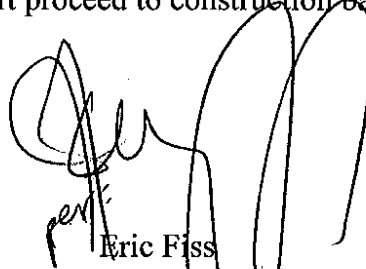
A total budget of \$295,000 allocated for site furnishings public art has been integrated into the Dyke Works project, which includes design fees, insurance, fabrication and installation of artwork. Funding for site furnishings public art was allocated in the 2008 Capital Budget for Oval Precinct Public Art.

Conclusion

This public art concept, integrated with the site design for the dyke fronting the Oval, is another collaborative outcome of a sound and effective public art process. Staff recommends that the Oval Dyke Works Site Furnishings Public Art proceed to construction based on the details provided in this report.

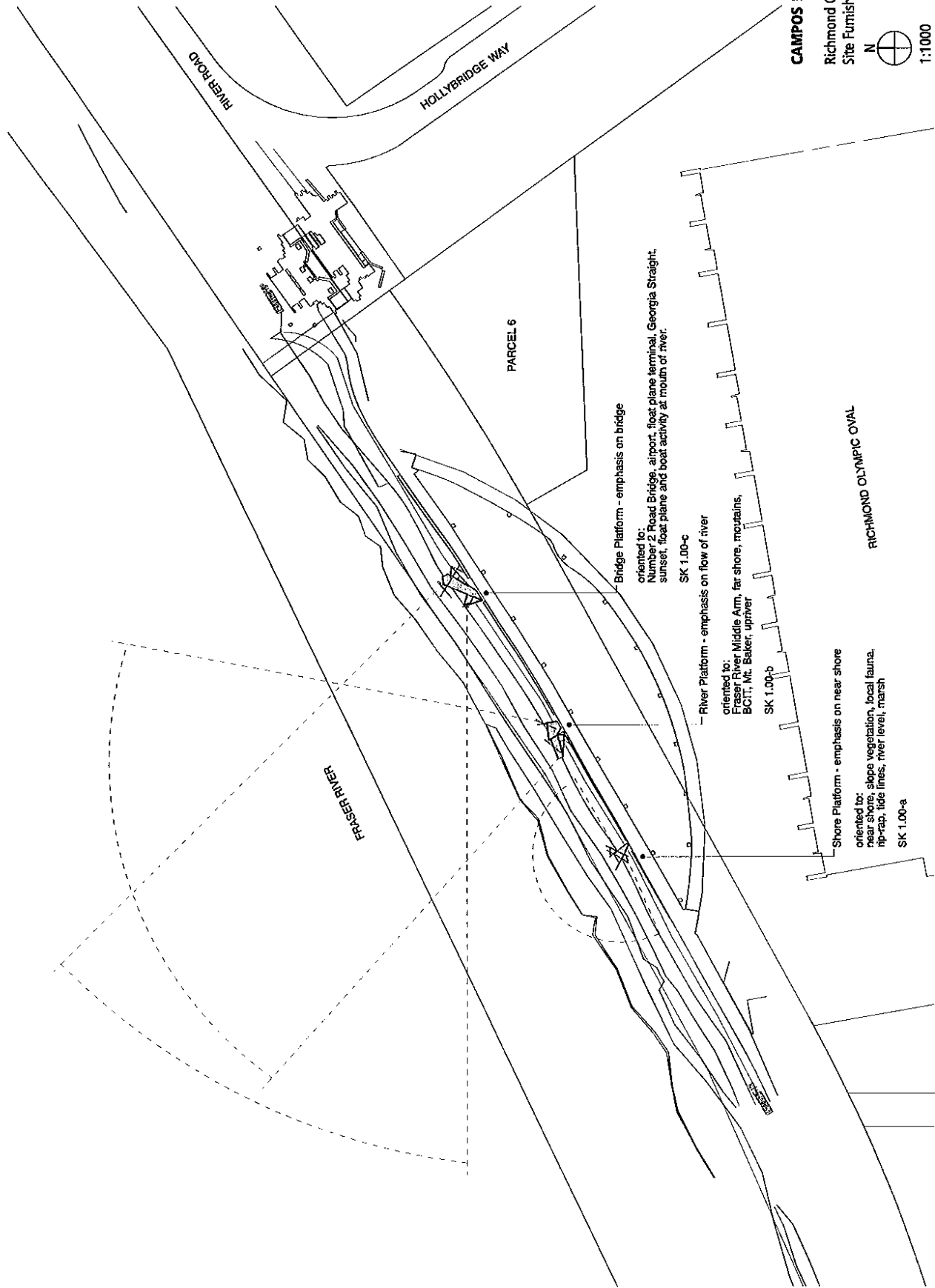


Doug Shearer
Park Planner, Major Projects /
Parks Design & Programs
(4904)



Eric Fiss
Public Art Planner
Recreation & Cultural Services
(4612)

DS:ds



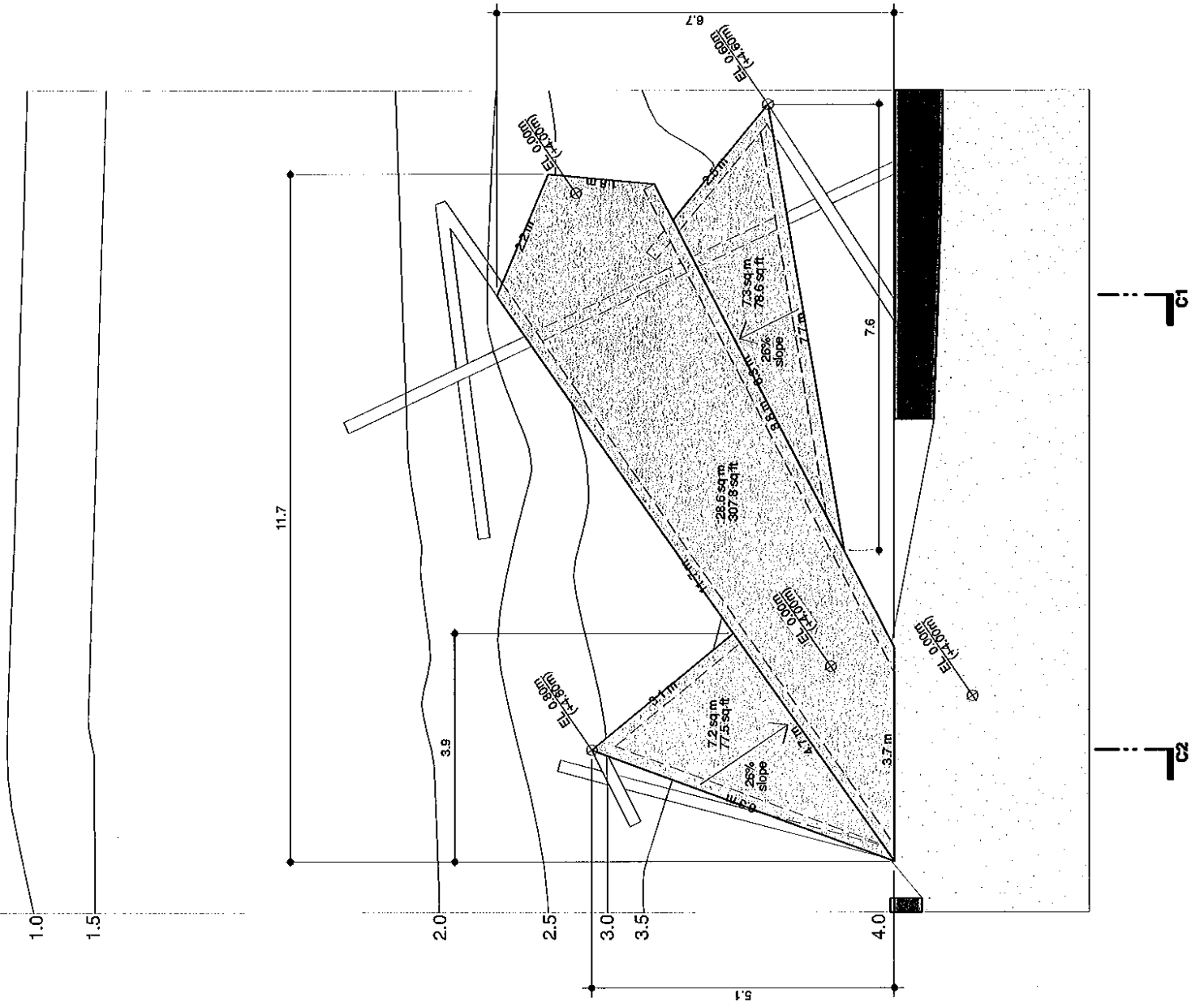
CAMPOS PRATT

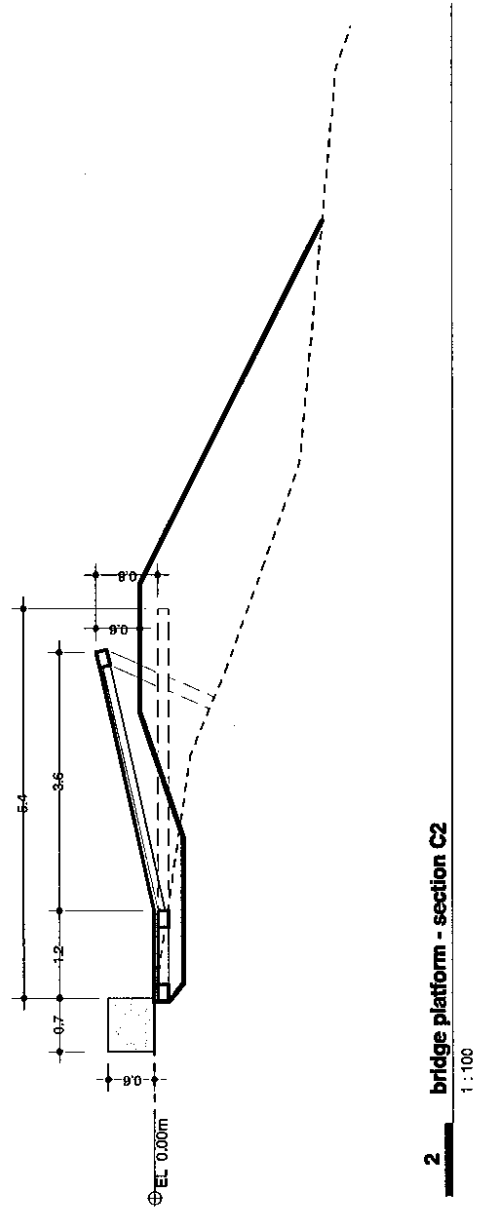
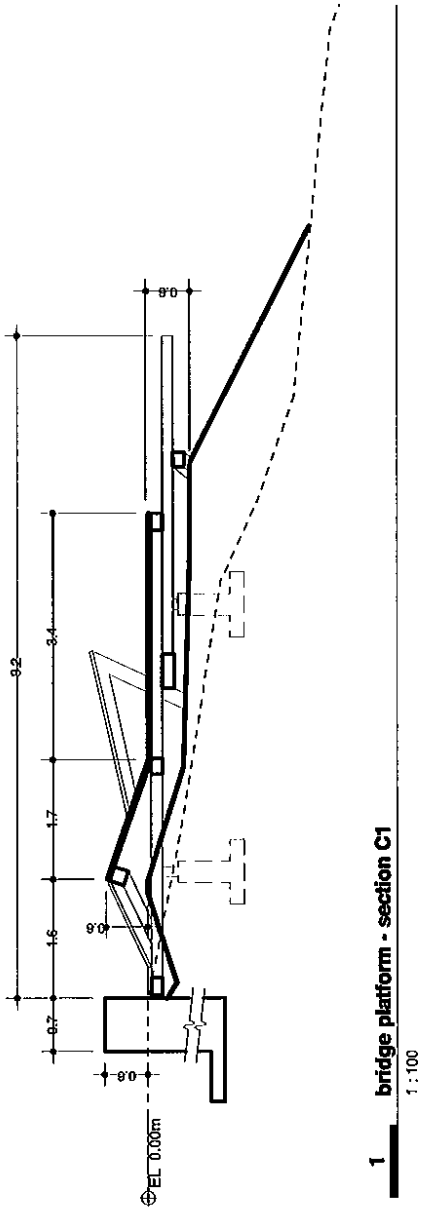
Richmond Oval Precinct
Site Furnishings: Dike Works

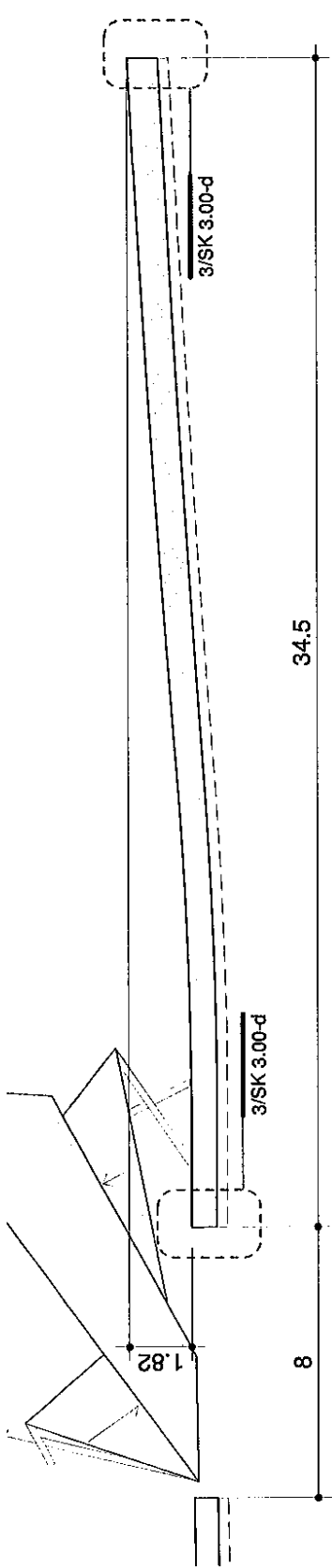


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**Site Views /
Platform Rationale
SK 0.01**

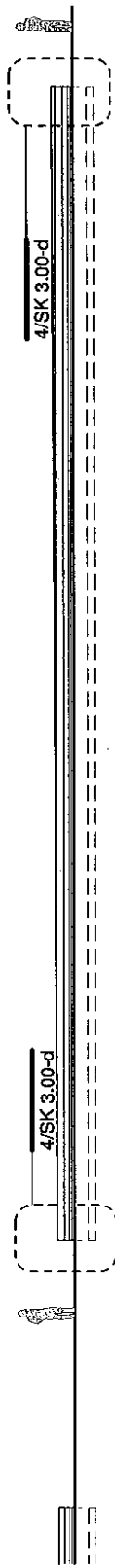






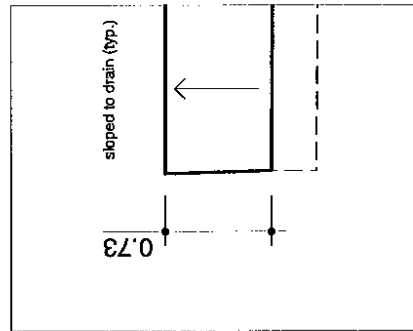
1 alluvial wall - segment 4 - plan

SK 3.00-d 1 : 200



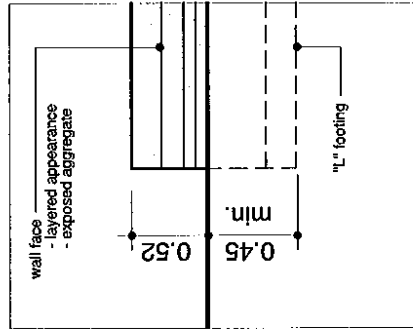
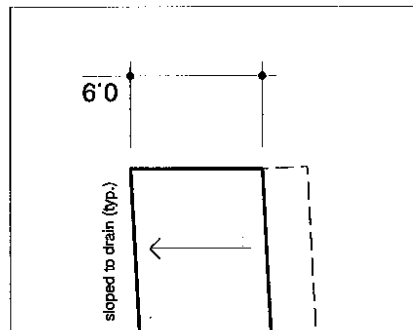
2 alluvial wall - segment 4 - south elevation

SK 3.00-d 1 : 200



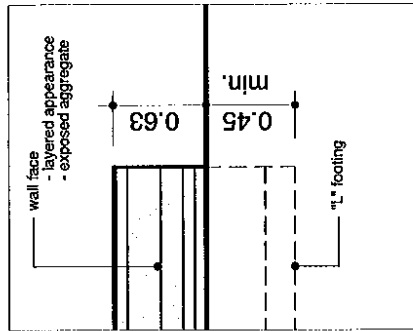
3 alluvial wall - segment 4 - plans

SK 3.00-d 1 : 50



4 alluvial wall - segment 4 - elevations

SK 3.00-d 1 : 50

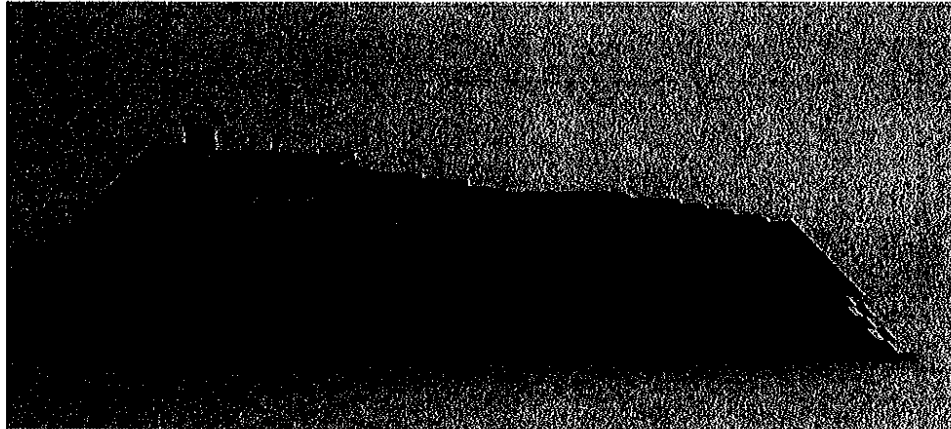


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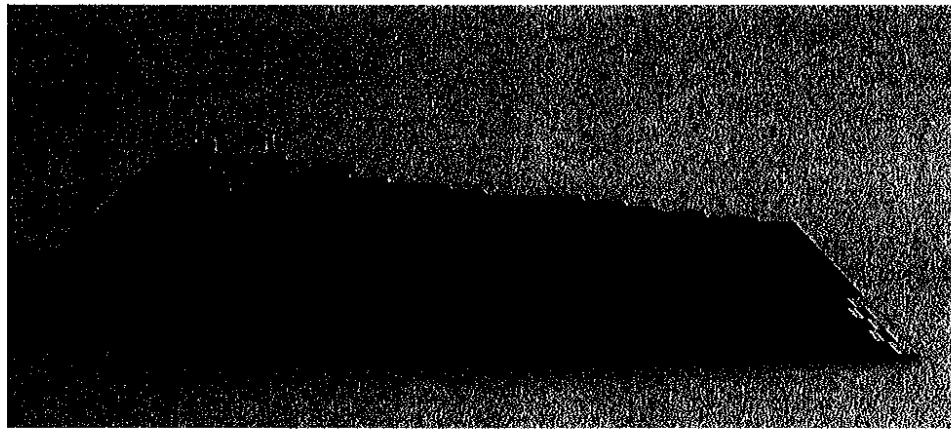
Richmond Oval Precinct
Site Furnishings: Dike Works



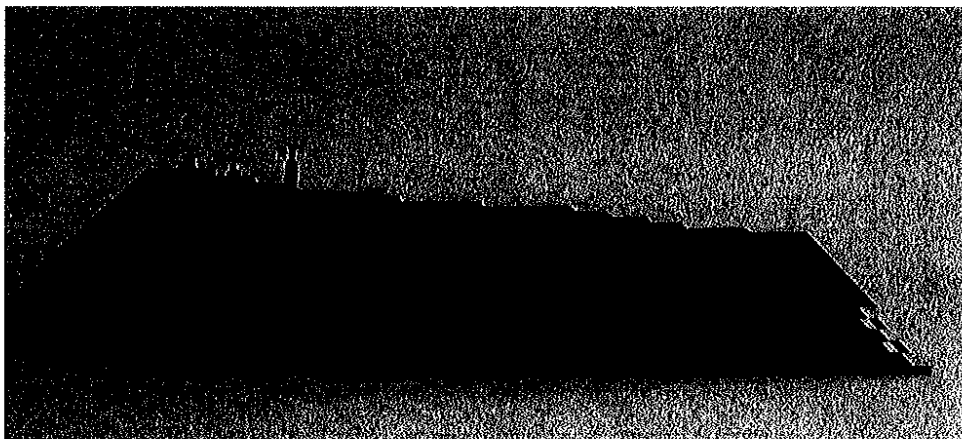
**Alluvial Wall
Segment 4
SK 3.00-d**



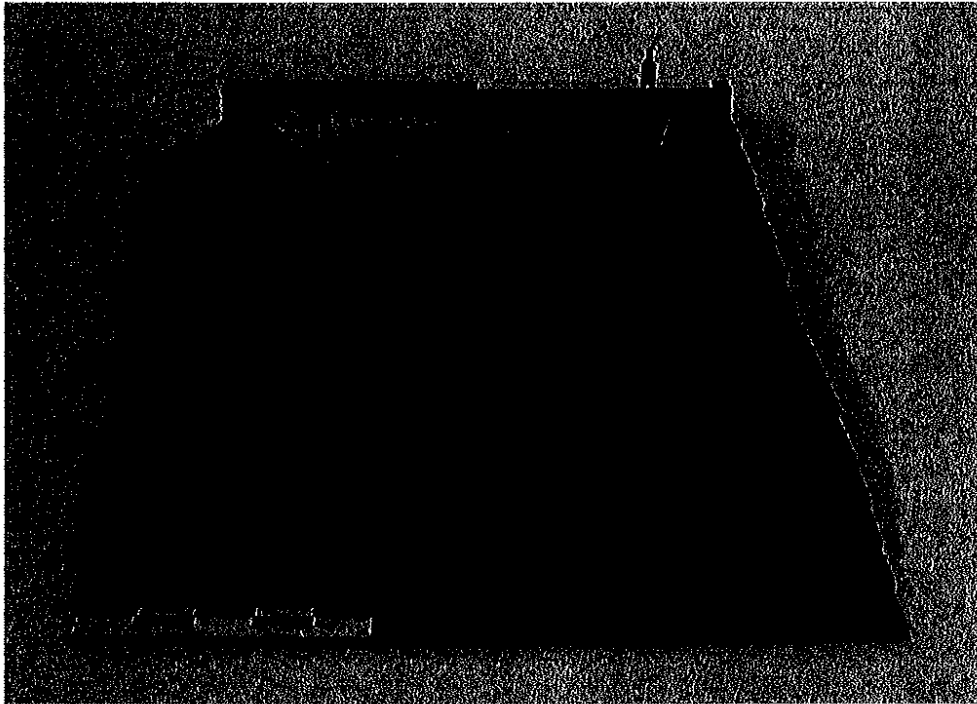
1. VIEW OF "BRIDGE" PLATFORM LOOKING WEST



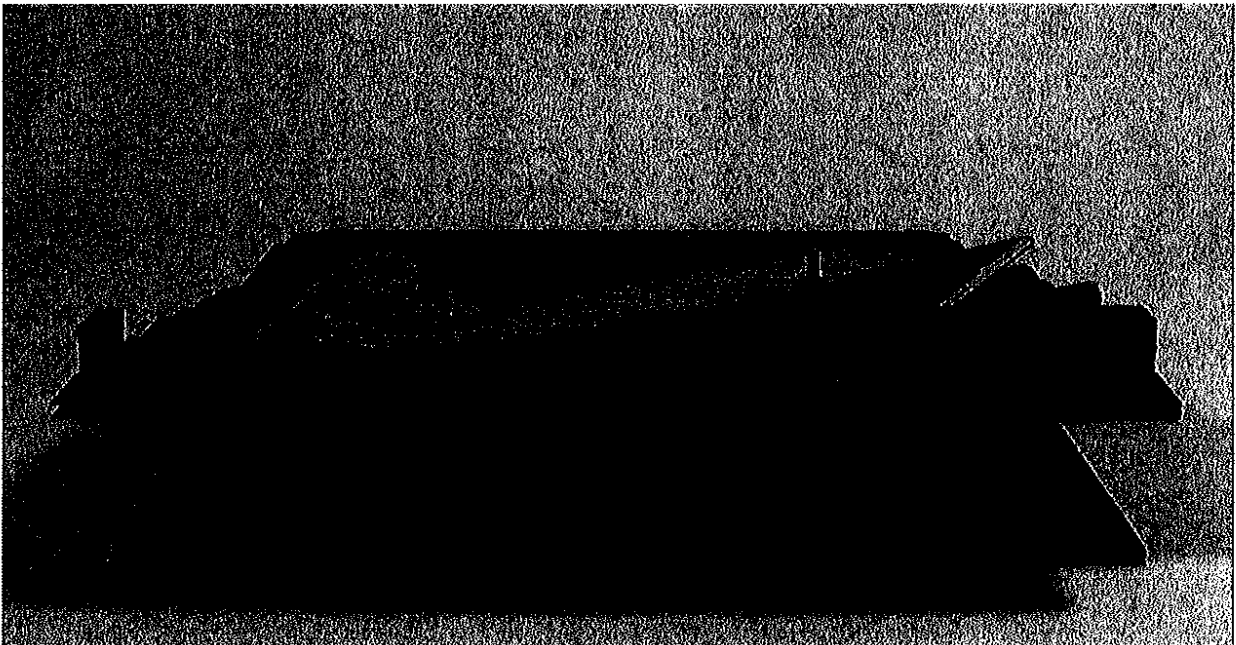
2. VIEW OF "RIVER" PLATFORM LOOKING WEST



3. VIEW OF "SHORE" PLATFORM LOOKING WEST



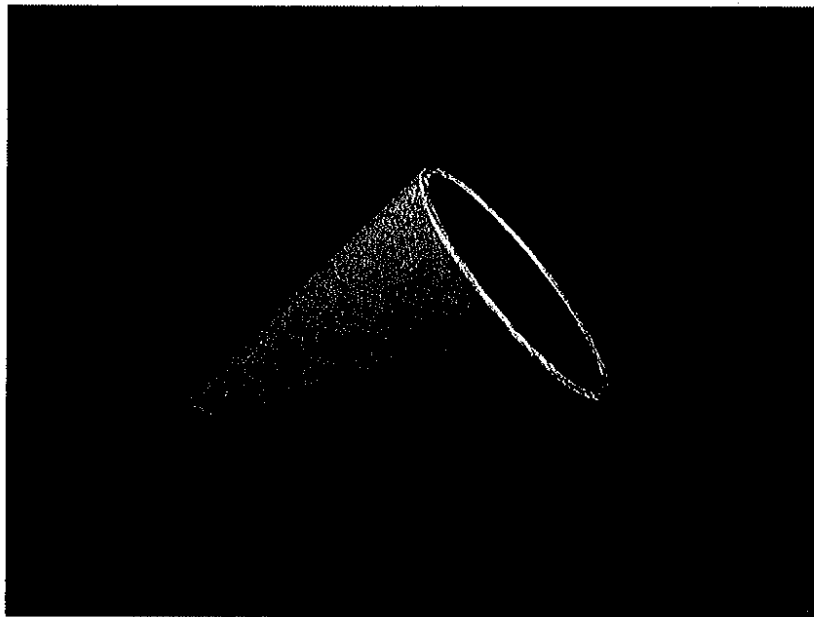
4. VIEW OF "BRIDGE" PLATFORM LOOKING TOWARDS OVAL



5. VIEW OF "BRIDGE" PLATFORM LOOKING TOWARDS RIVER



6. PLATFORM WOOD DECKING DETAIL



7. PLATFORM STEEL BEAM DETAIL

Alluvial Seat Wall

Concrete poured in layers to reflect stratification of alluvium. Wall ranges from 6" in height and 9" to 42" in width.

Foreshore Platforms

Viewing platforms of various materials (wood, metal grating) at various angles to support and encourage lingering, sitting. Various scales for a few users or up to 15 to 20 users, universally accessible.

Gravel Path

Gravel path to remain in front of oval lawn. Paved path to connect to paved area in front of Oval seating and seat steps.

Platform Structure

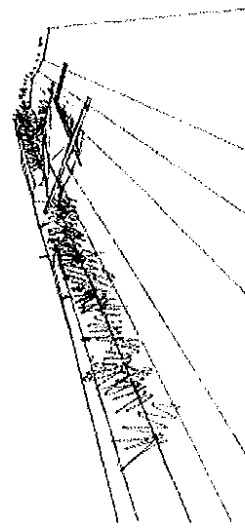
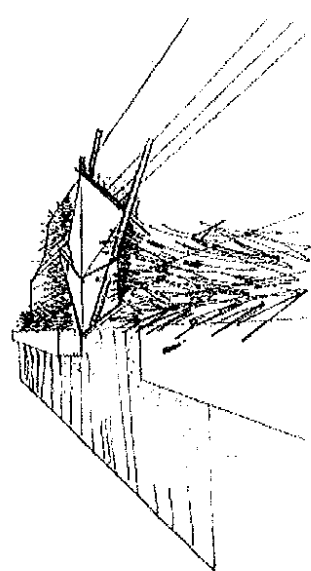
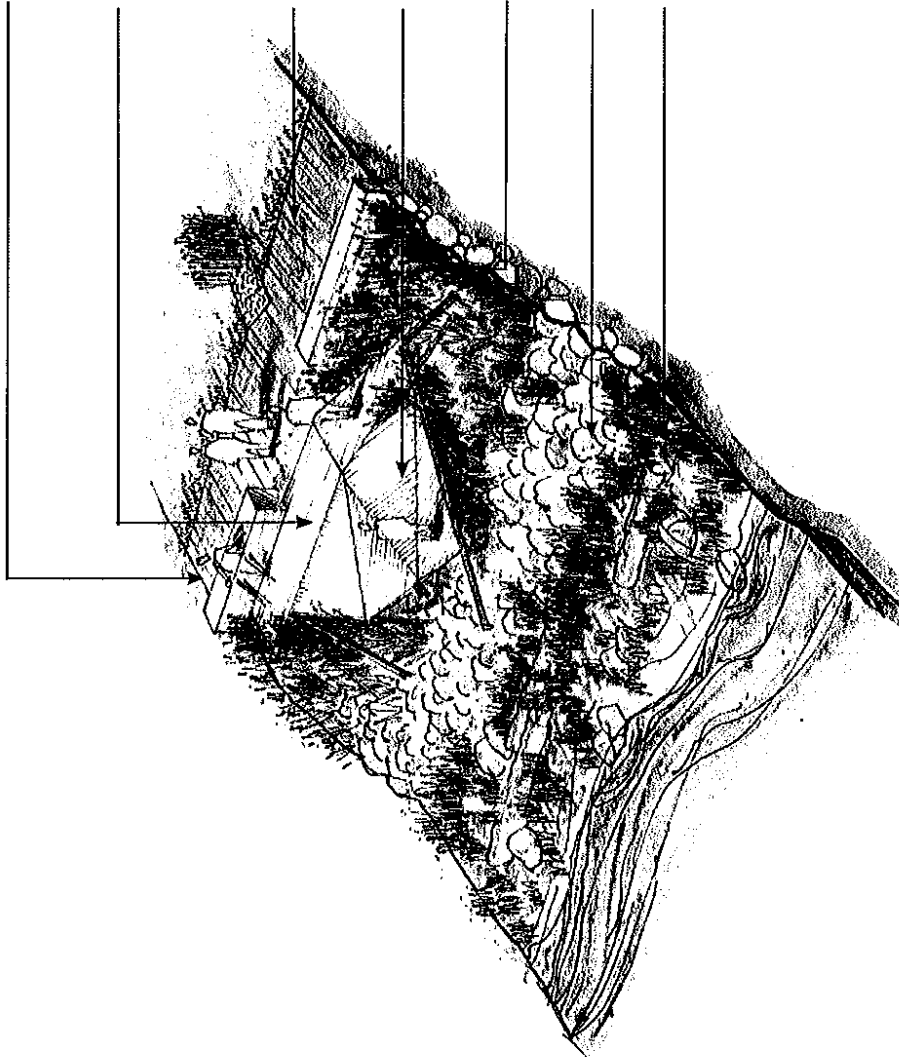
Support structure made from weathered steel mimicking accretion (logs, brush, etc.) along the bank of the river.

Planting

Remediation planting over dike revetment.

Existing Dike

Existing Intertidal Area



Preliminary Design Ideas

Richmond Olympic Oval Middle Arm Dike Works



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