

Kaal Rock Point Connector - Feasibility Study

April 13, 2016



Overview

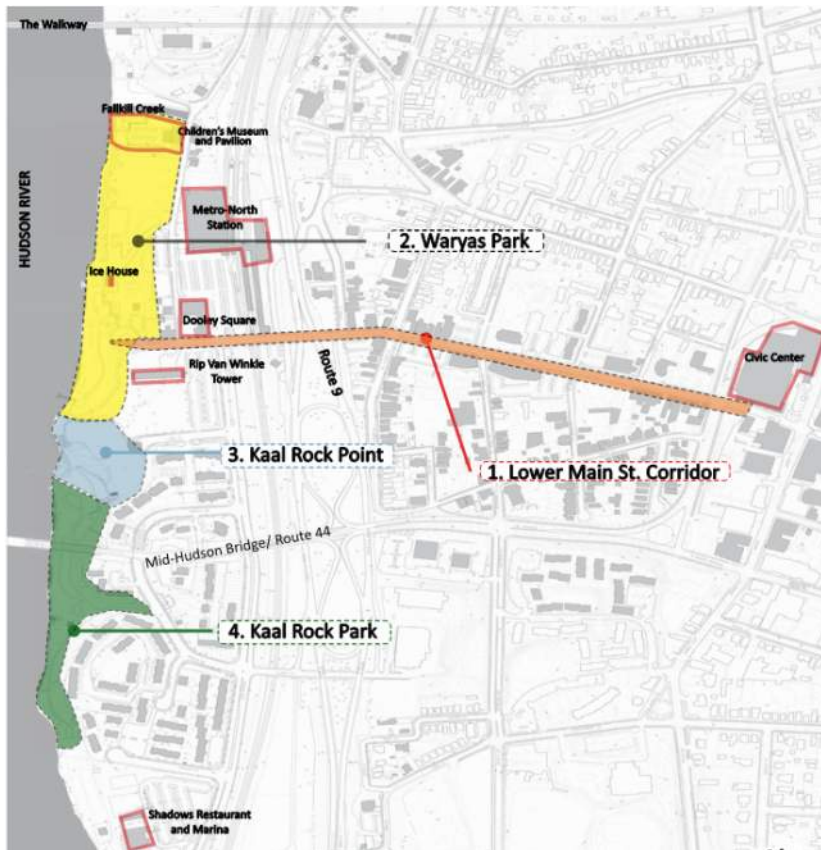
- ▶ Project Background
- ▶ Walkway Design
- ▶ Public Space Concepts
- ▶ Questions and Answer Period
- ▶ Community Feedback Session
- ▶ Closing Remarks and Next Steps

Project Background



Source: Jeff Anzevino

Project Background



Prepared by:



DOS Task 12 (Task 1.6)

Project: Poughkeepsie Waterfront - Main Street Corridor

This document was prepared for the Department of State Division of Coastal Resources, State of New York with funds provided under Title 11 of the Environmental Protection Fund. DOS #: C006572

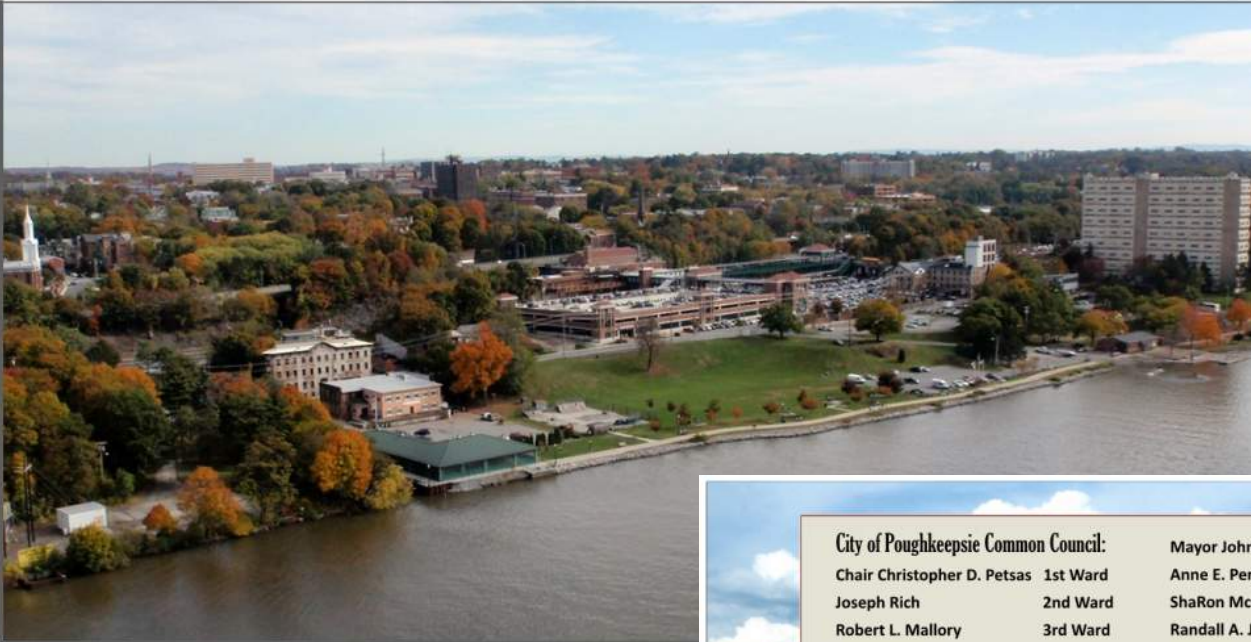
January 30, 2012

Prepared by:

Source: Morris Associates – PPS

Project Background

Poughkeepsie Waterfront Redevelopment Strategy



Poughkeepsie Waterfront Redevelopment Strategy

City of Poughkeepsie Common Council:			
Chair Christopher D. Petsas	1st Ward	Mayor John C. Tkazyik	
Joseph Rich	2nd Ward	Anne E. Perry	5th Ward
Robert L. Mallory	3rd Ward	ShaRon McClinton	6th Ward
Lee David Klein	4th Ward	Randall A. Johnson II	7th Ward
		J. Tracy Hermann	8th Ward
May 18, 2015			
Consultants:			
Stantec, Planning and Landscape Architecture —	Marc Wouters		
	Gary T. Sorge		
Torti Gallas and Partners, Urban Design —	Robert S. Goodill		
	Tim Zork		
HR&A Advisors, Market and Financial Analysis —	Kate Collignon		
	Shuprotim Bhaumik		
<i>with assistance from Dutchess County Planning and Development</i>			

Project funding generously provided by the Dyson Foundation with administrative support from the Community Foundation of Dutchess County.

Source: Poughkeepsie Waterfront Redevelopment Strategy

Project Background



Project Background



Project Background

65+ Feet High

300+ Feet Long

Extends into
Hudson River
Approx. 80+ Feet



Project Background



Project Background



Project Background



Project Background



Project Background



Project Background

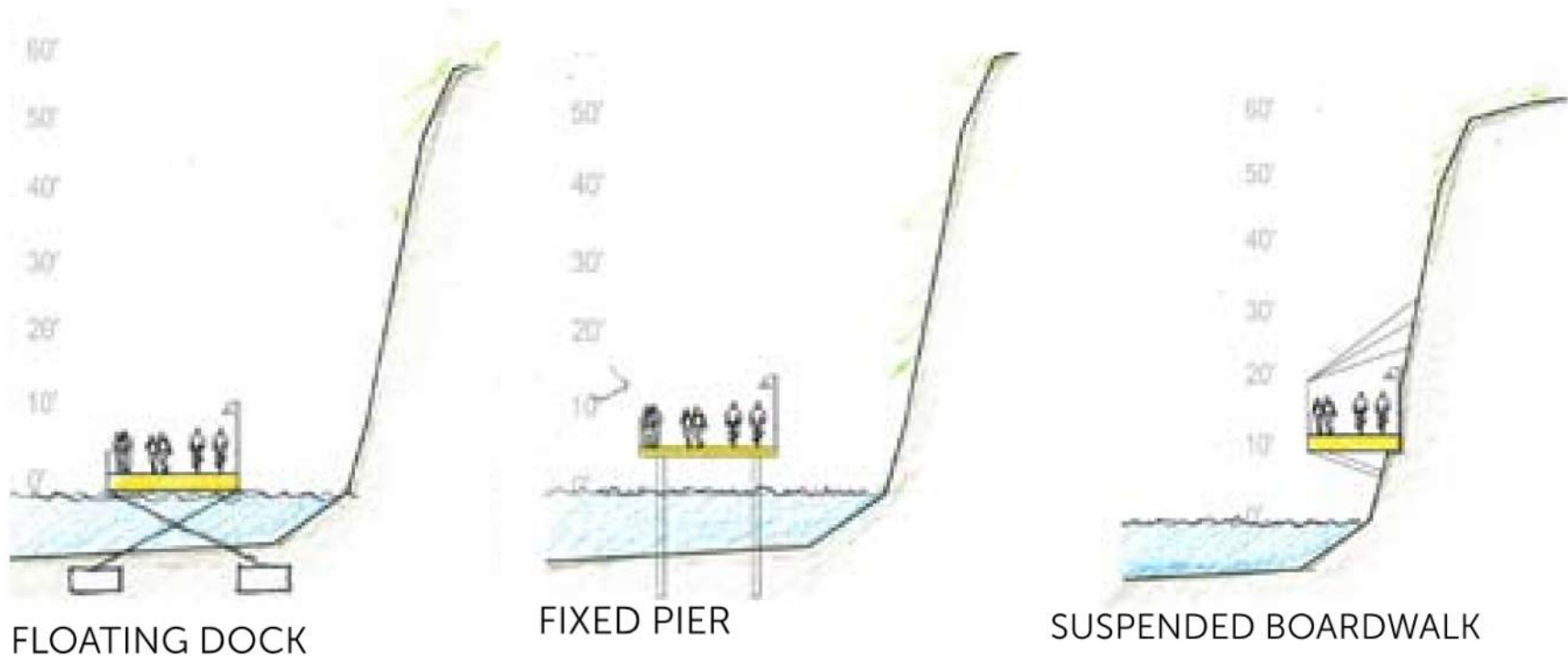


Over Water Approach

- ▶ Feasible
- ▶ Provides an universal walkway that is accessible to all.
- ▶ Allows User to Experience both river and rock face
- ▶ Better utilizes public spaces
- ▶ Need to construct walkway over Hudson River
- ▶ Concept Level

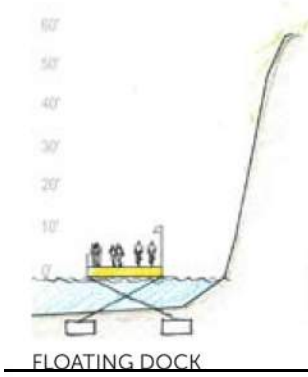
Source: Morris Associates

Walkway Concepts



Source: Morris Associates

Walkway Concepts



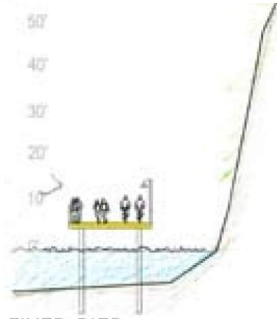
FLOATING DOCK

Pros

- ▶ Low up-front costs
- ▶ Easy to construct

Cons

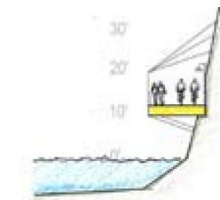
- ▶ Seasonal Use Only
- ▶ Long-Term Costs



FIXED PIER

- ▶ Year-round use
- ▶ Simple Design

- ▶ Environmental Issues
- ▶ Flood / Ice Issues
- ▶ Natural Habitat Issues



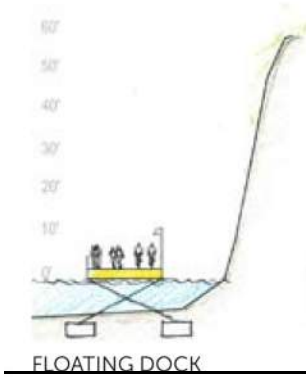
SUSPENDED BOARDWALK

- ▶ Year-round Use
- ▶ Above Flood and Ice
- ▶ Less Permitting Issues
- ▶ Less Disturbance to River

- ▶ More Expensive
- ▶ Disturbance to Rock Face

Source: Morris Associates

Walkway Concepts



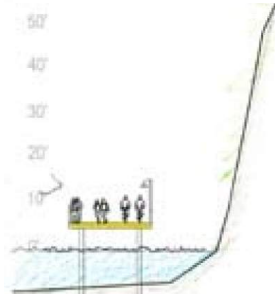
FLOATING DOCK

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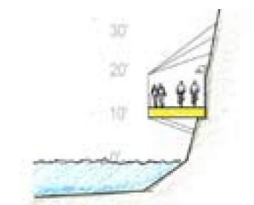
- ▶ Seasonal Use Only
- ▶ Long-Term Costs



FIXED PIER

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SUSPENDED BOARDWALK

Source: Morris Associates

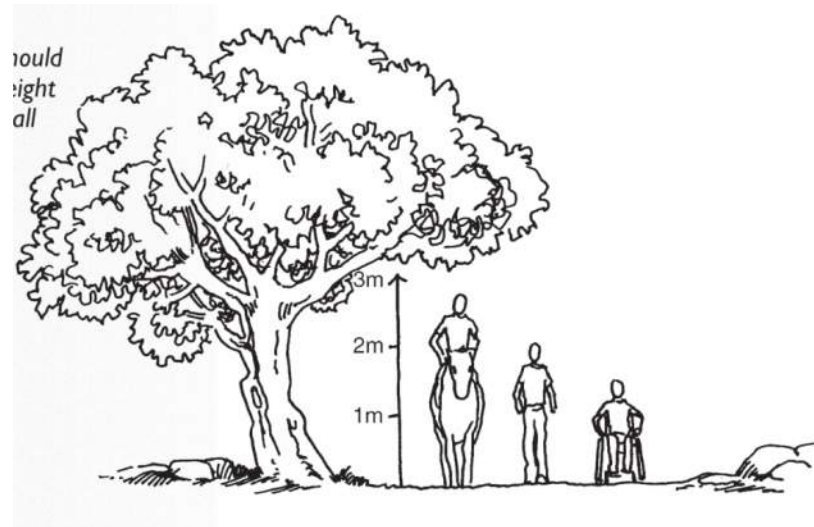
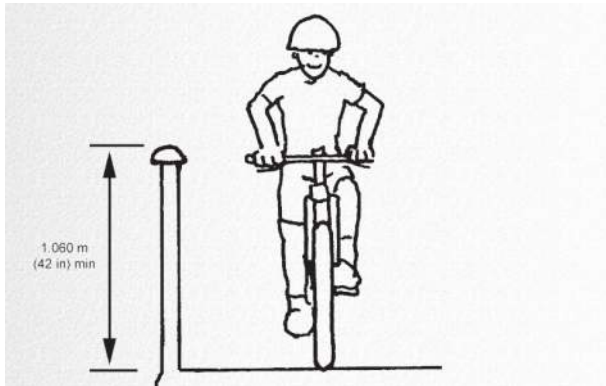
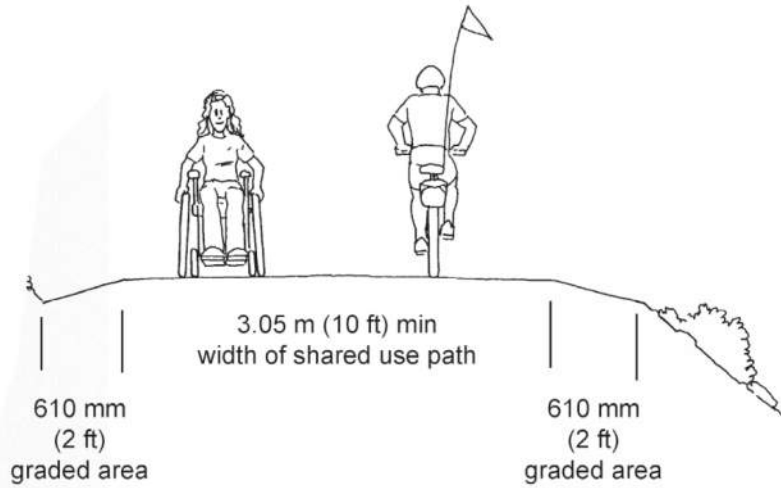
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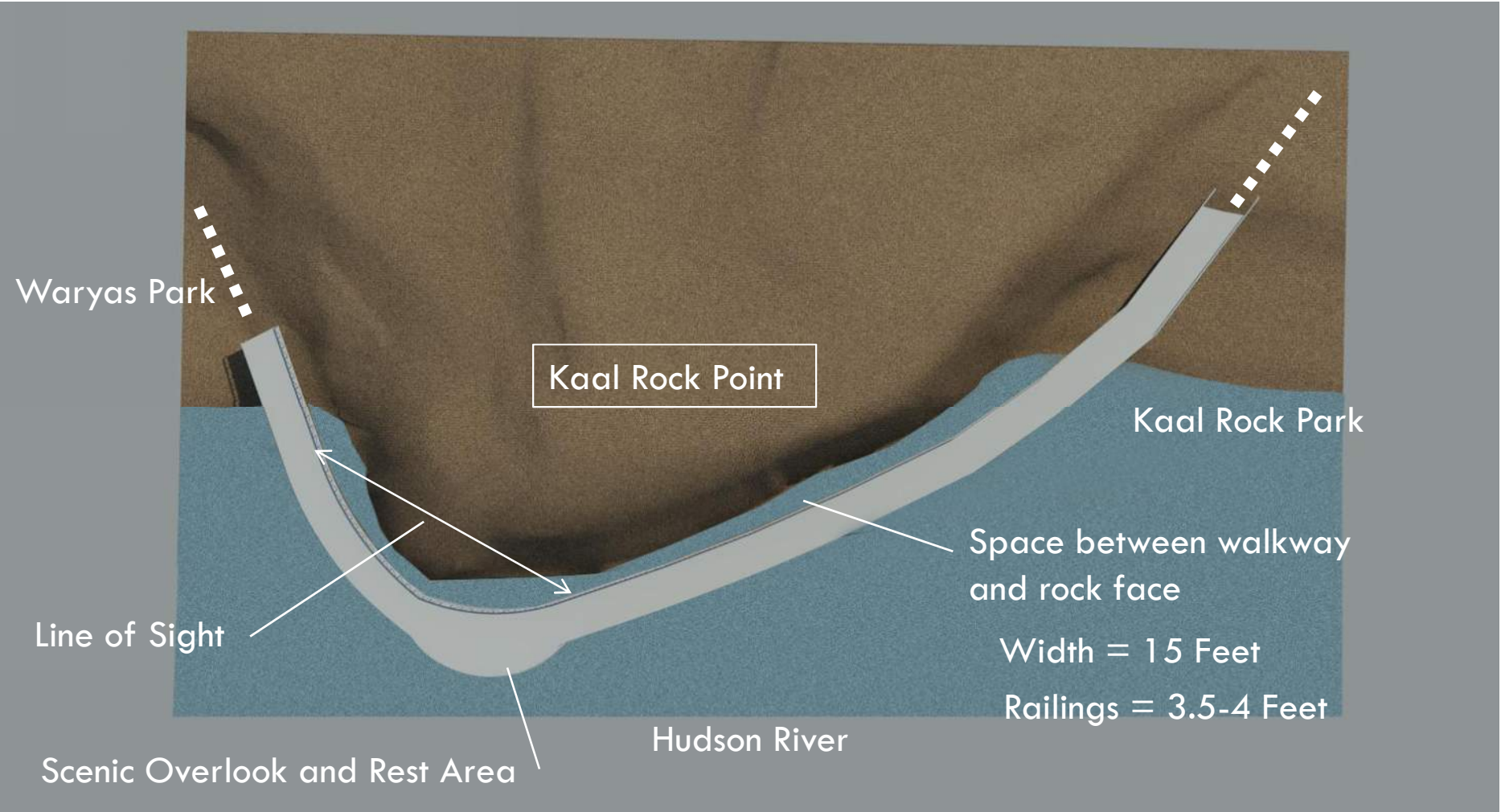
Walkway Concepts



Walkway Concepts



Walkway Design



What is Kaal Rock Point?



Concept 1 –Cantilevered Walkway

Pros

- ▶ No physical or visual impact to top of rock

Cost

- ▶ \$\$\$\$\$



Cons

- ▶ Permanent Disturbance to face of rock
- ▶ Visual impact from water level
- ▶ Heavier Structural System Required

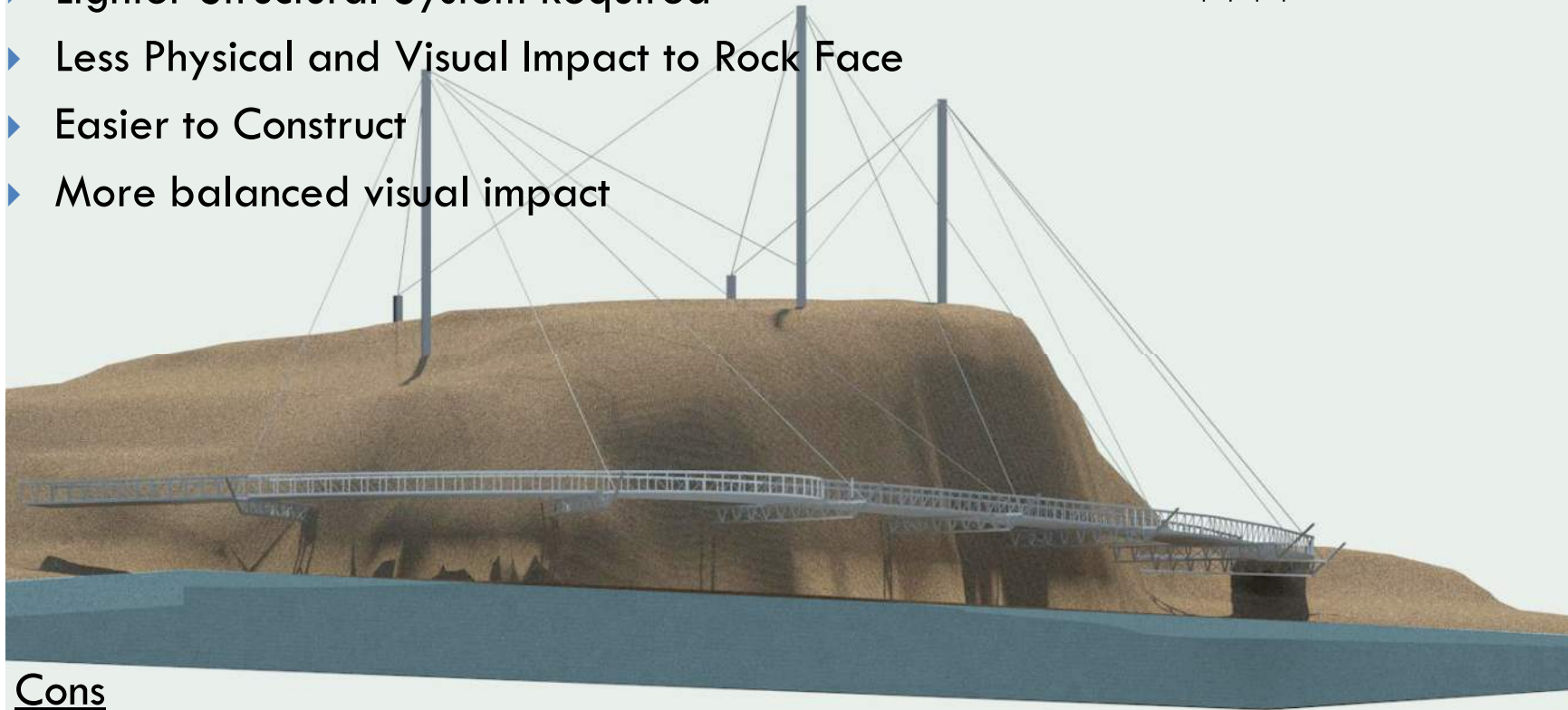
Concept 2 – Suspended Walkway

Pros

- ▶ Lighter Structural System Required
- ▶ Less Physical and Visual Impact to Rock Face
- ▶ Easier to Construct
- ▶ More balanced visual impact

Cost

- ▶ \$\$\$\$



Cons

- ▶ Permanent Physical Impact to top of rock
- ▶ Visual Impact to top of rock

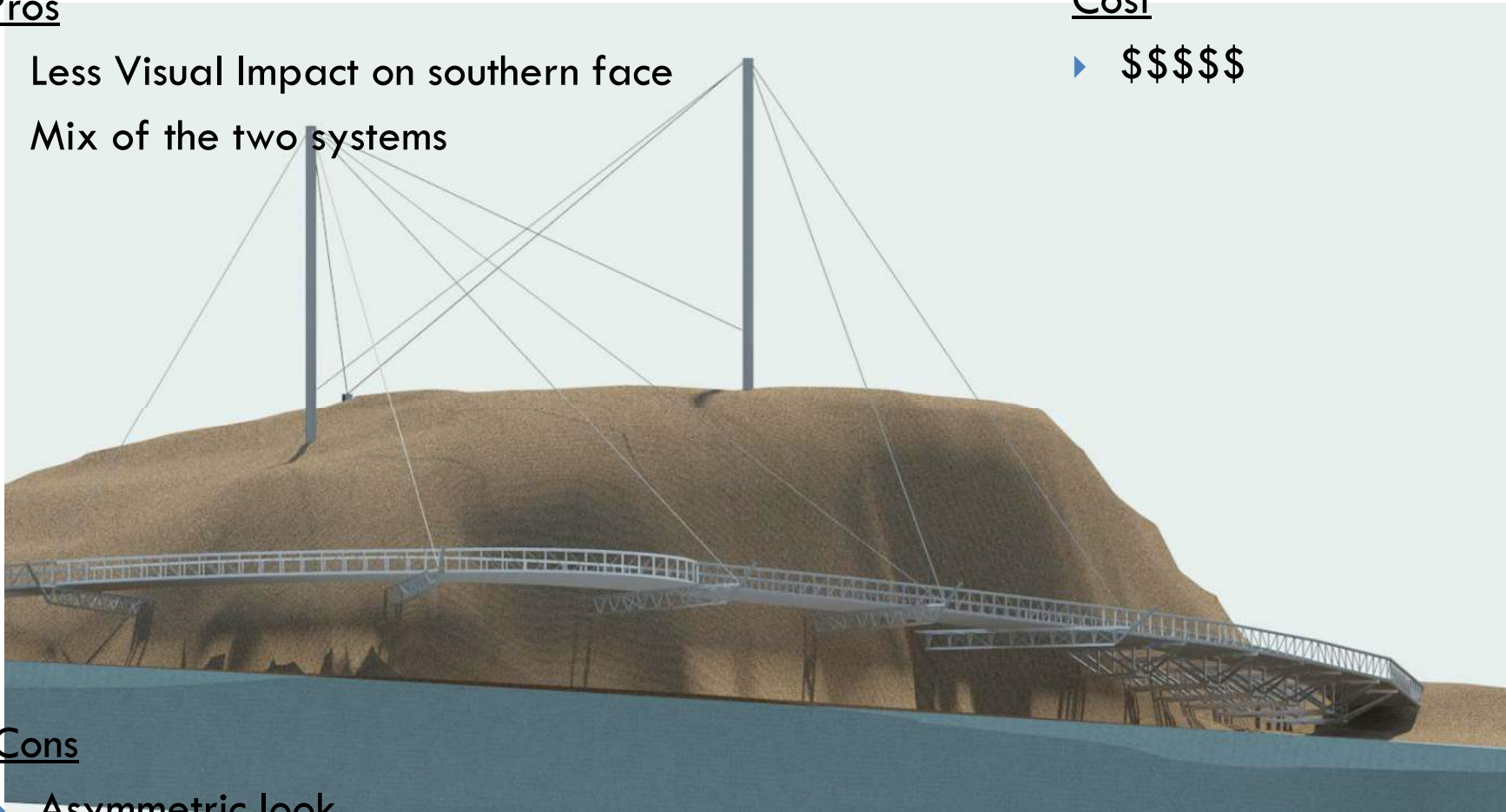
Concept 3 –Hybrid Walkway

Pros

- ▶ Less Visual Impact on southern face
- ▶ Mix of the two systems

Cost

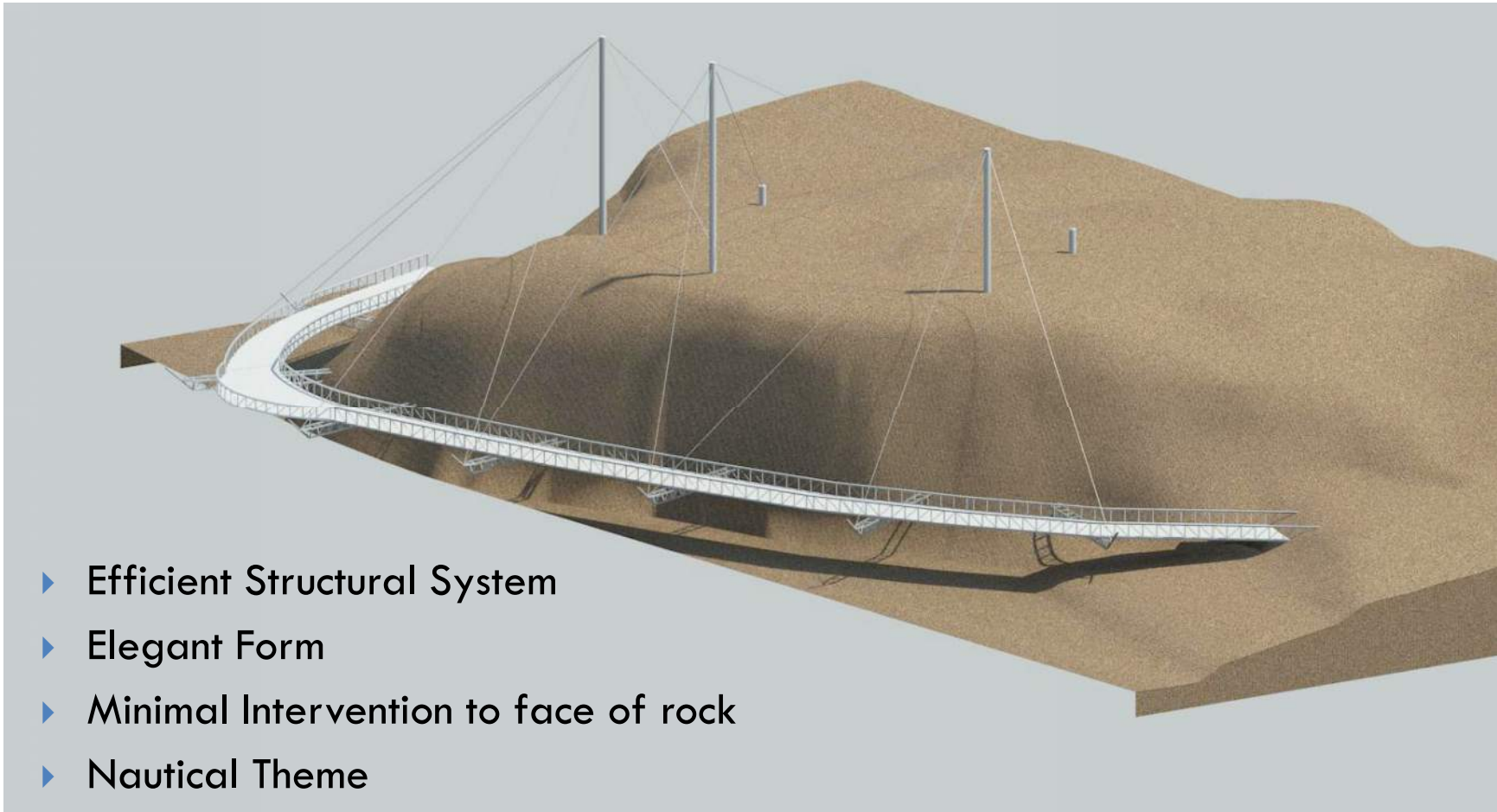
- ▶ \$\$\$\$\$



Cons

- ▶ Asymmetric look
- ▶ Double mobilization for two systems

Concept 2 – Suspended Walkway



- ▶ Efficient Structural System
- ▶ Elegant Form
- ▶ Minimal Intervention to face of rock
- ▶ Nautical Theme

Kaal Rock Point Park



Goals:

1. Add Shape the Waterfront Vision
2. Quiet Oasis
3. Maximize Views
4. Inclusive
5. Connectivity

Image Source: Jeff Anzevino

Kaal Rock Point Park



Objectives / Themes:

1. “Soft Footprint”
2. Nautical Theme

Kaal Rock Point Park - Precedents



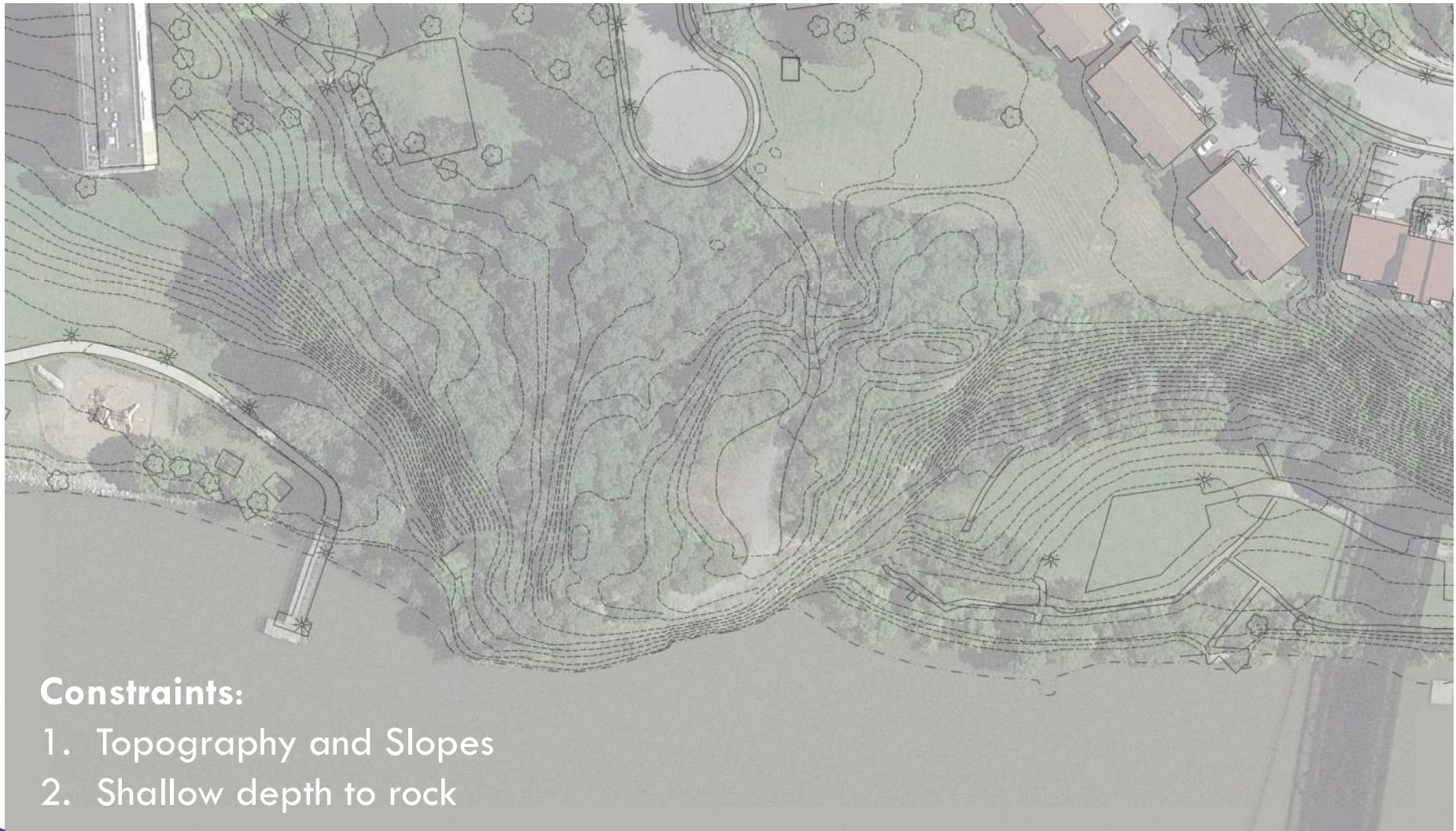
Kaal Rock Point Park - Precedents



Kaal Rock Point Park



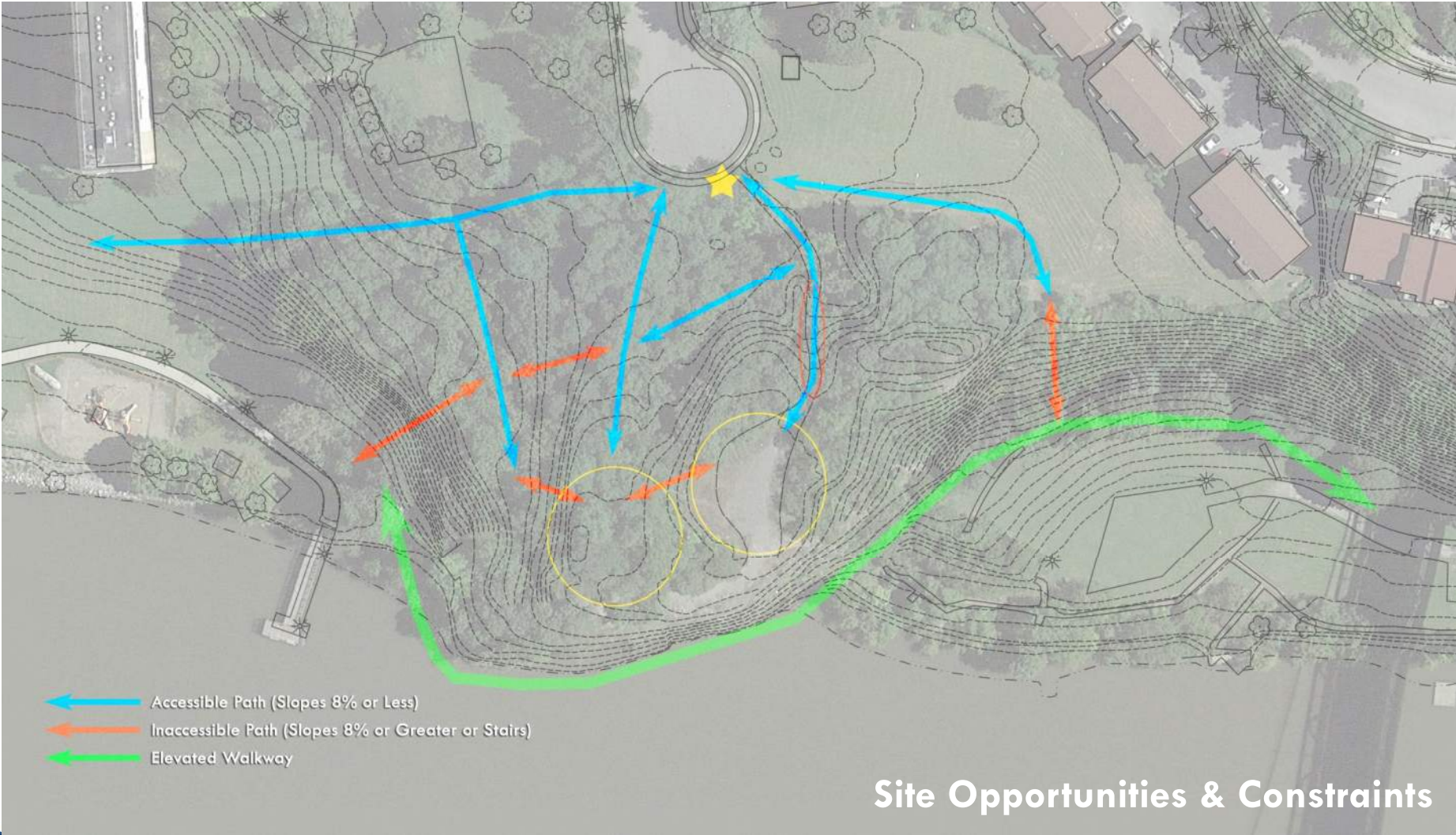
Kaal Rock Point Park



Constraints:

1. Topography and Slopes
2. Shallow depth to rock

Kaal Rock Point Park

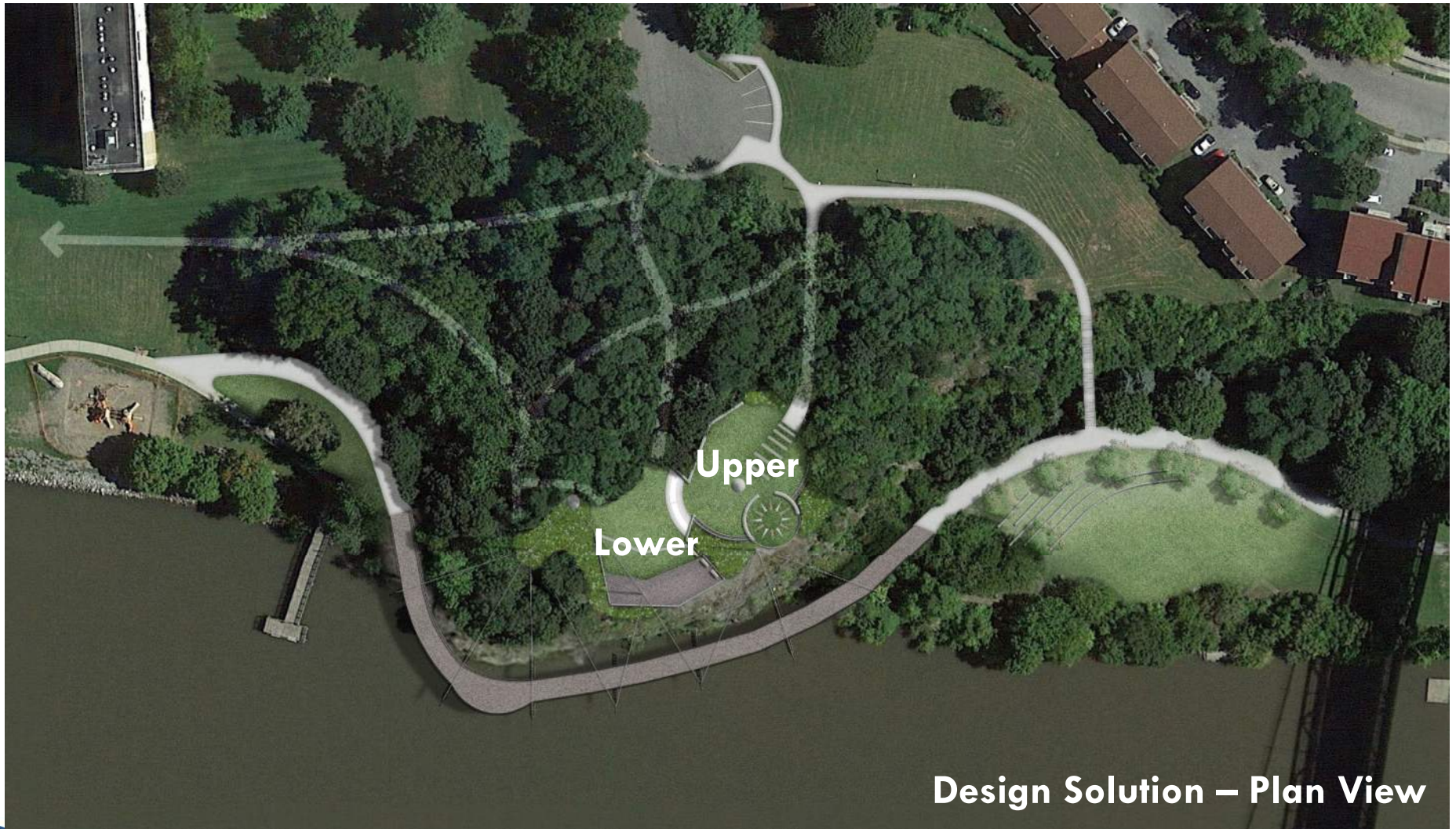


Kaal Rock Point Park



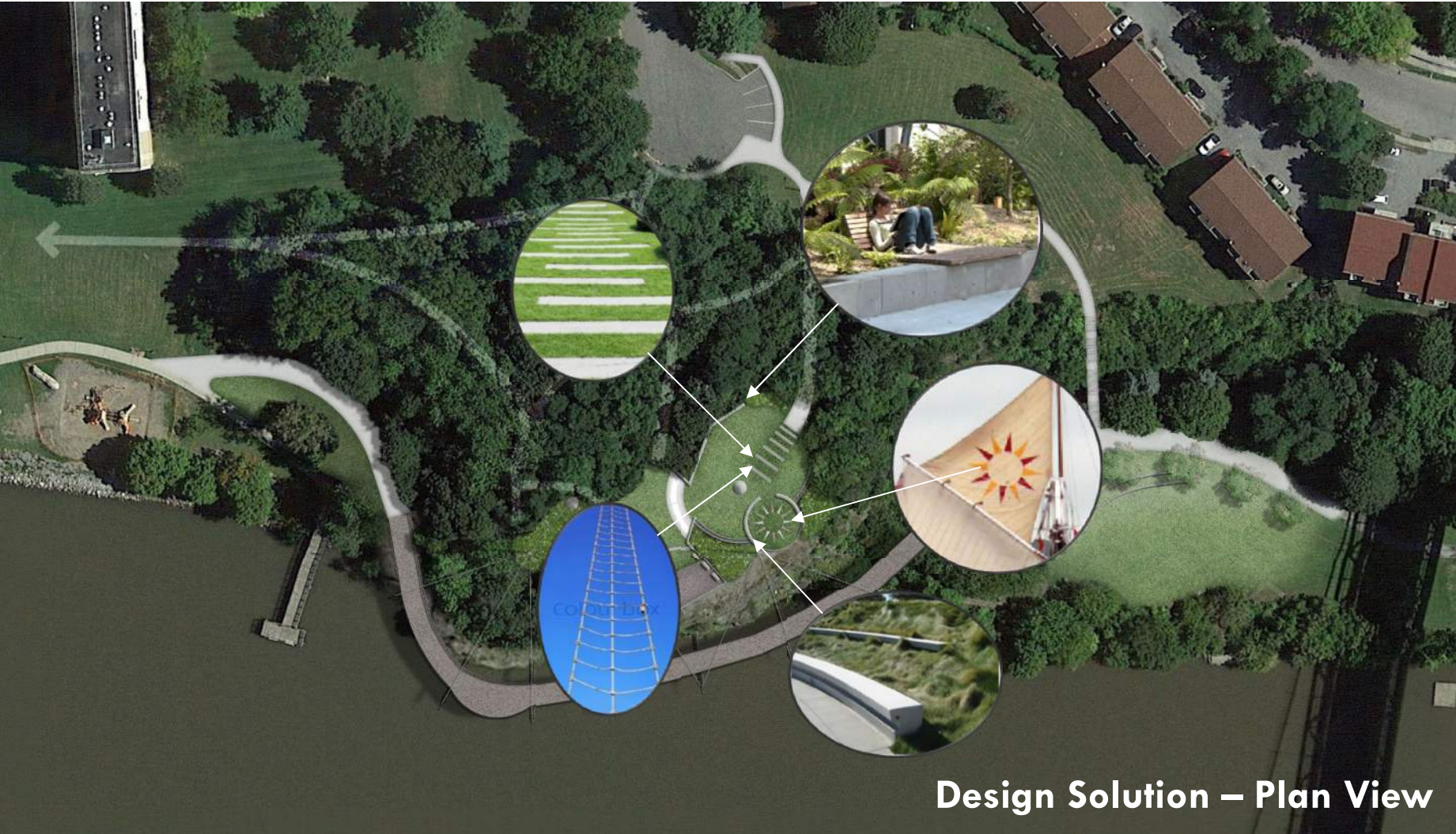
Design Solution – Plan View

Kaal Rock Point Park

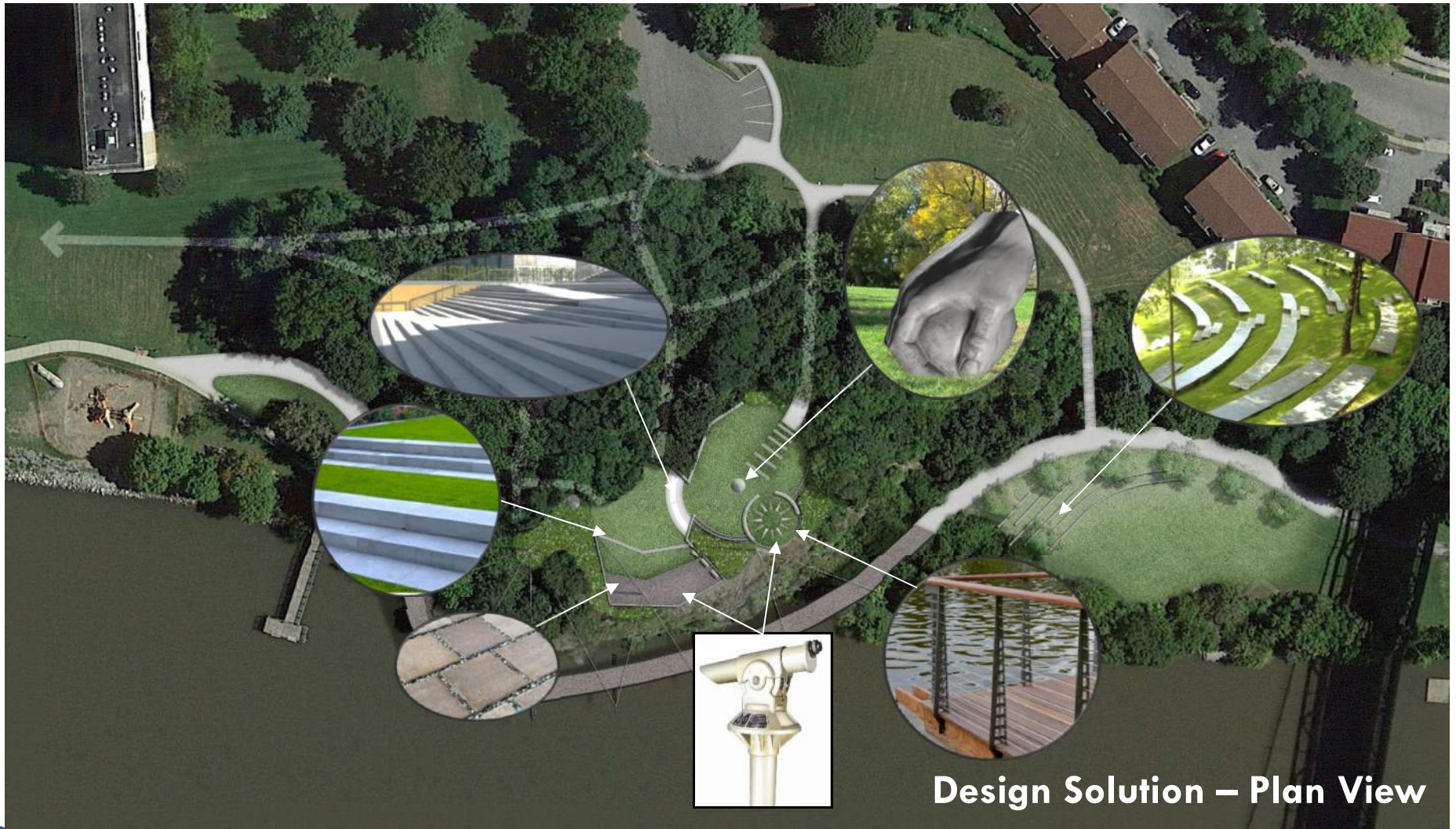


Design Solution – Plan View

Kaal Rock Point Park



Kaal Rock Point Park



Design Solution – Plan View

Kaal Rock Point Park



Design Solution – Birds Eye View

Questions?



Design Solution – Birds Eye View