

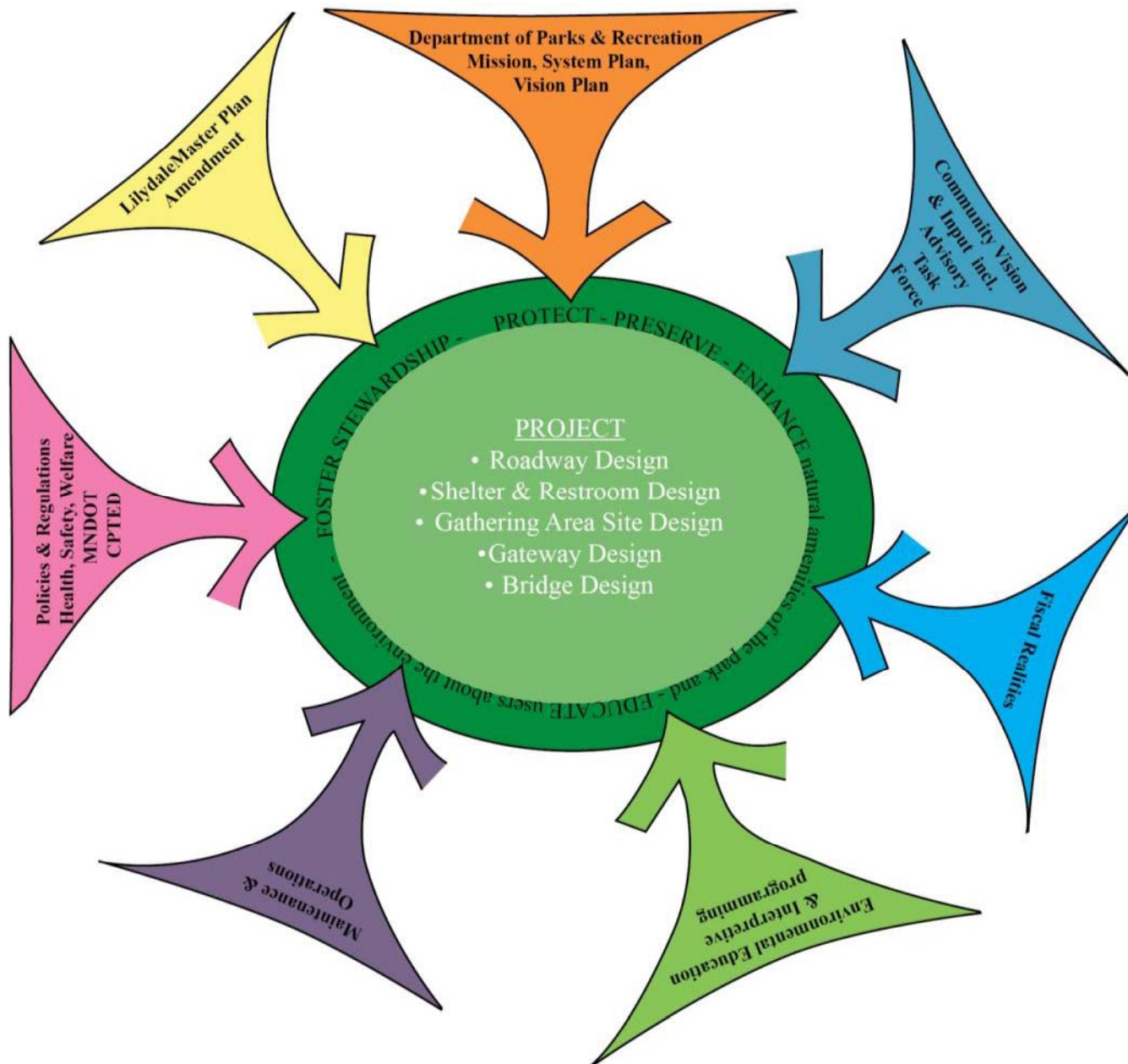


Task Force Meeting Four

1 March 2011

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation



Decision factors

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation

Input received from Task Force at Meeting Three

General comments

- Park first, and then the road
- Slope/riverbank needs to be addressed
- Concern over the amount of parking across the entire park
- Too much development, with too much parking
- Need to recapture the sense of Lilydale
- Let facilities grow as demand grows

Roadway comments

- Don't allow road to be a commuter route
- Add a right angle turn to slow traffic

Trail comments

- Maximize views to the river and lake from trails
- Capture the space near the entry to the park as a place to view the river and downtown



Task Force input—roadway alternatives

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation

Input received from Task Force at Meeting Three

Parking and gathering hill area comments

- Use areas need to be defined (picnic tables, as identified in the master plan, are not clearly identified)
- The layout is too formal; the paths and parking need to be more loose
- Parking numbers are about right if thought about in the long term, but implementation should be staged

Structure comments

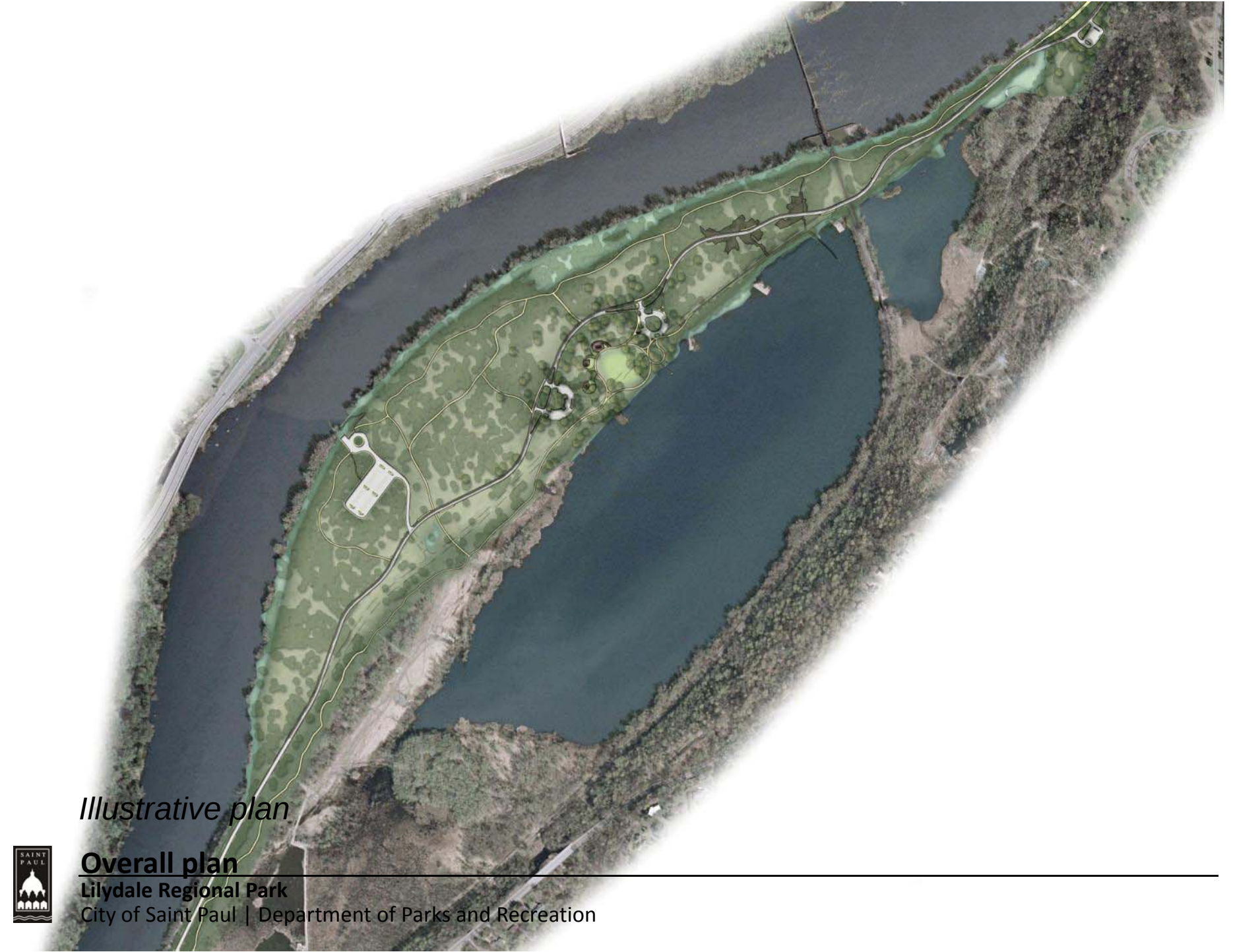
- Great to have education as a component of the program, but does the structure need to be so large
- Directions for structures are too visible, too “wow;” needs to be more a part of the space
- Shelters don’t belong in Lilydale; they are not “wild”
- Structures are too tall
- The layout needs a sense of organization to be able to teach
- How do we get people into nature without so much building?



Task Force input—roadway alternatives

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation

An aerial photograph of Lilydale Regional Park, showing a large body of water (Lilydale Reservoir) and surrounding greenery. Overlaid on the photograph is a green-tinted illustrative plan of the park. The plan shows various paths, including a main road and several smaller trails, as well as designated areas for sports and recreation. The plan is semi-transparent, allowing the natural features of the park to be visible underneath.

Illustrative plan



Overall plan

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation

Activities



Preliminary alignment

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation

Mississippi River

Pickerel Lake

boat launch

dog park

Pickerel Clearing and lakeshore

river and downtown viewing area

fossil grounds



Precedents

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation



Precedents

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation



Precedents

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation



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Precedents

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City of Saint Paul | Department of Parks and Recreation



Precedents

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation



Precedents

Lilydale Regional Park

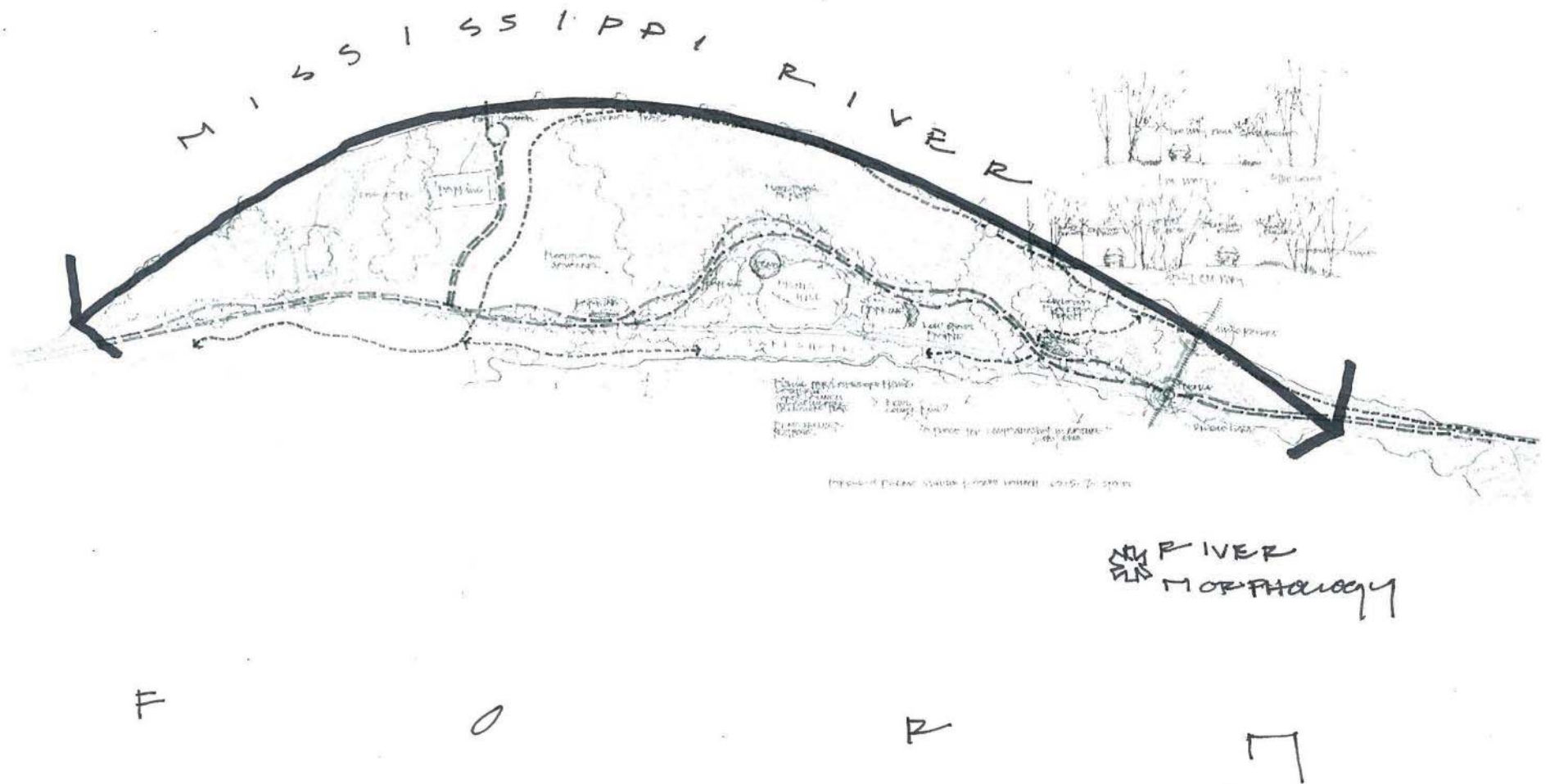
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Precedents

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation



Precedents

Lilydale Regional Park

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Precedents

Lilydale Regional Park

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Precedents

Lilydale Regional Park

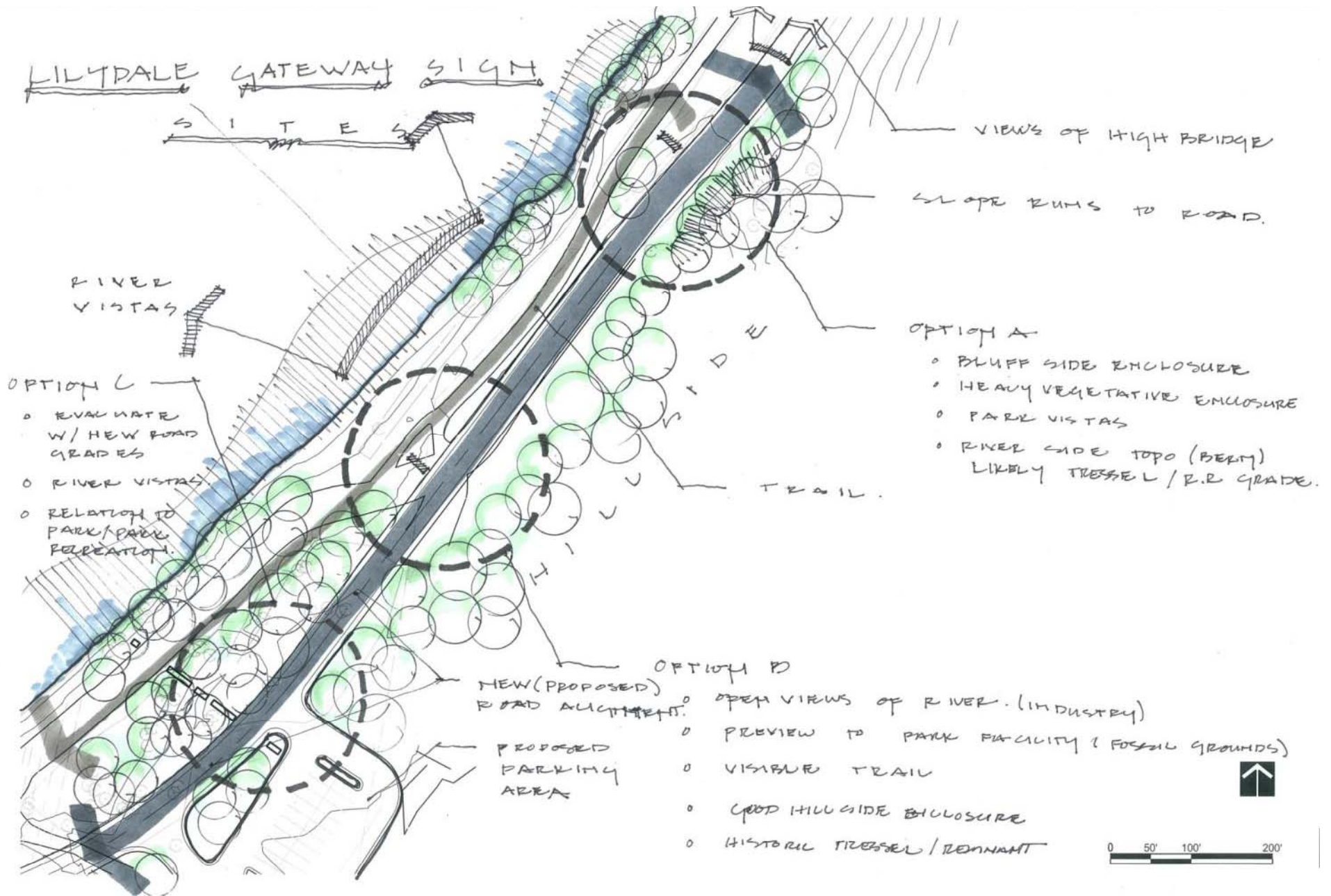
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Precedents

Lilydale Regional Park

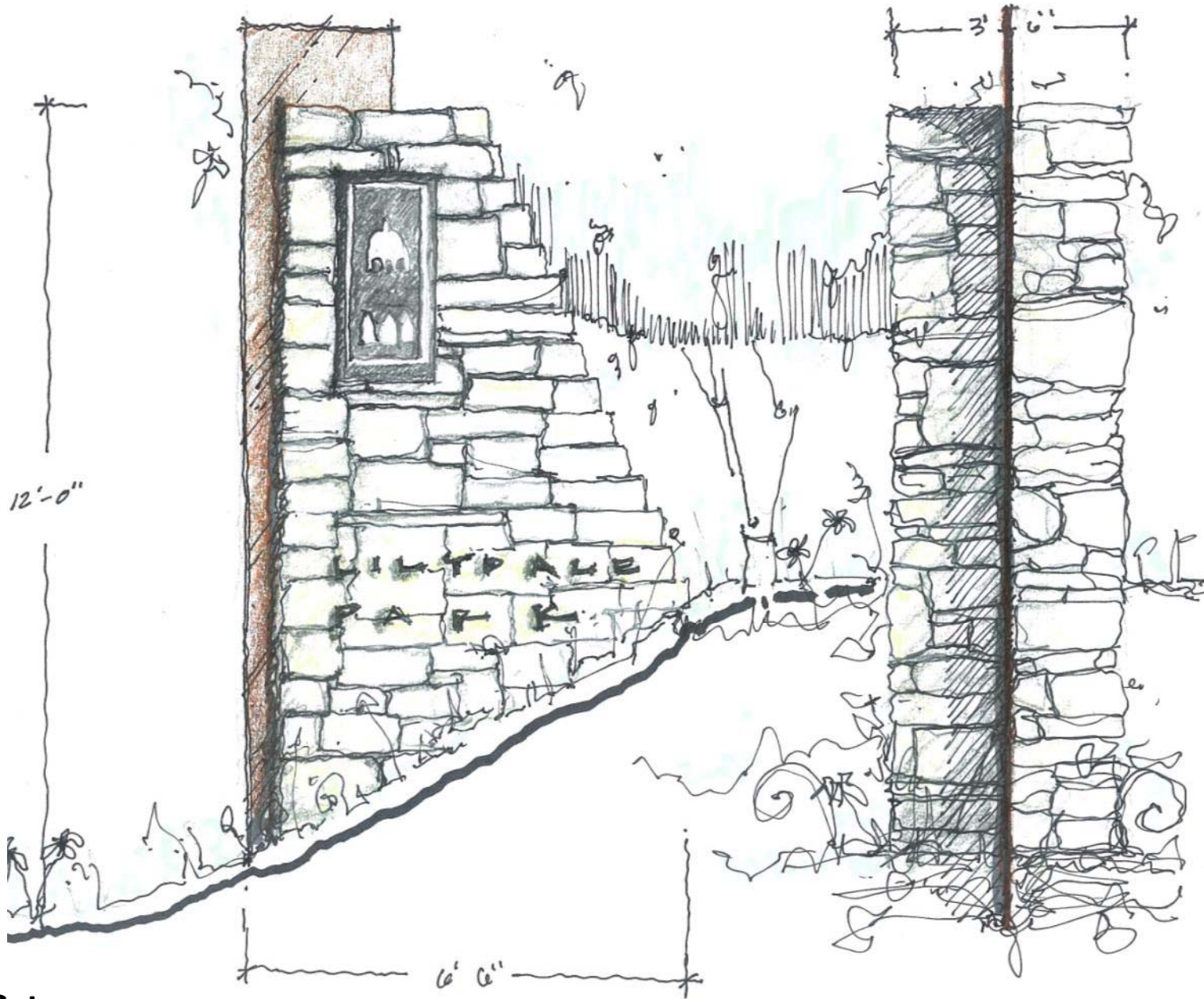
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Gateways

Lilydale Regional Park

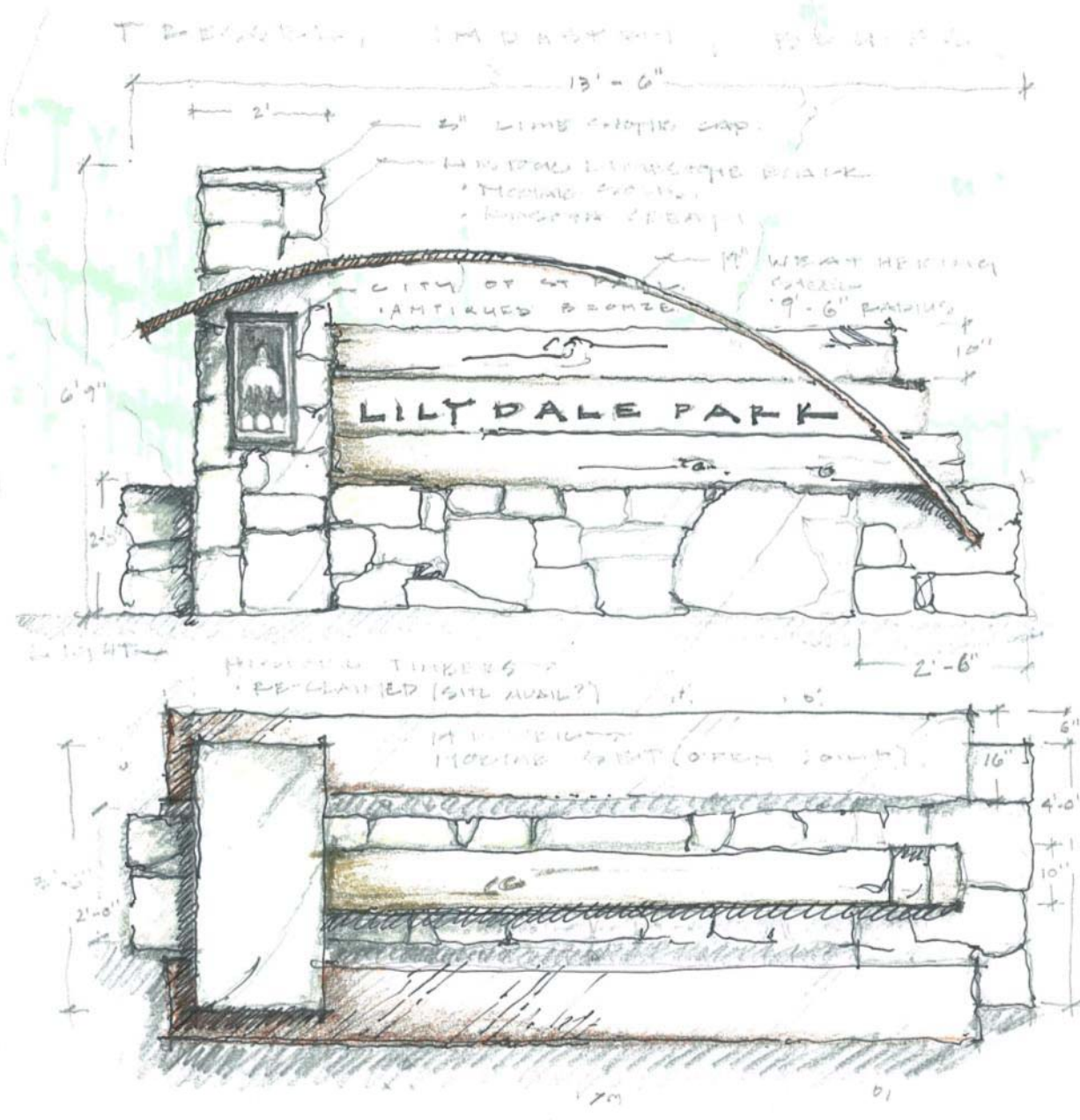
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Gateways

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation



Gateways

Lilydale Regional Park

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Bridges

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation



Bridges

Lilydale Regional Park

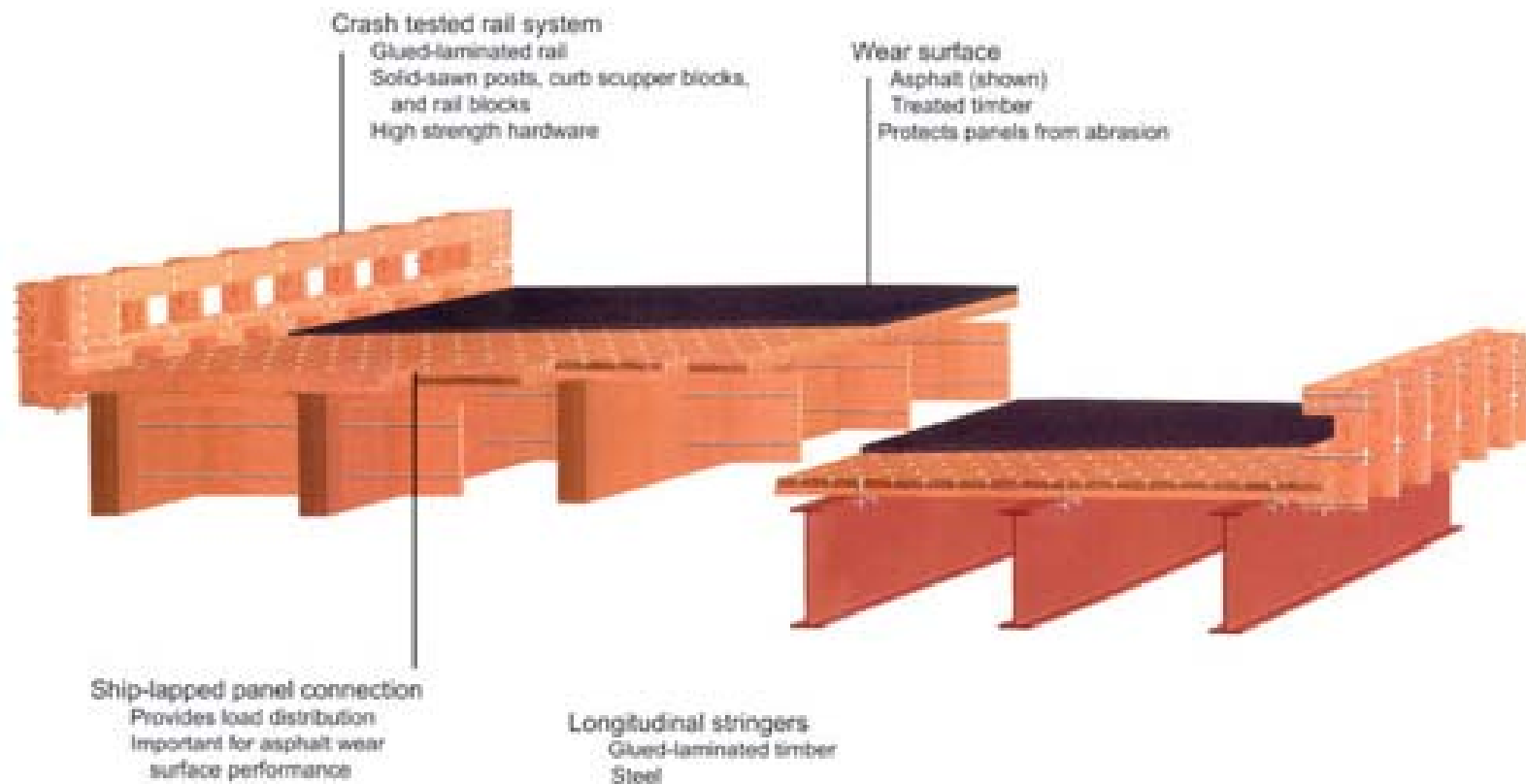
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Bridges

Lilydale Regional Park

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Bridges

Lilydale Regional Park

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Bridges

Lilydale Regional Park

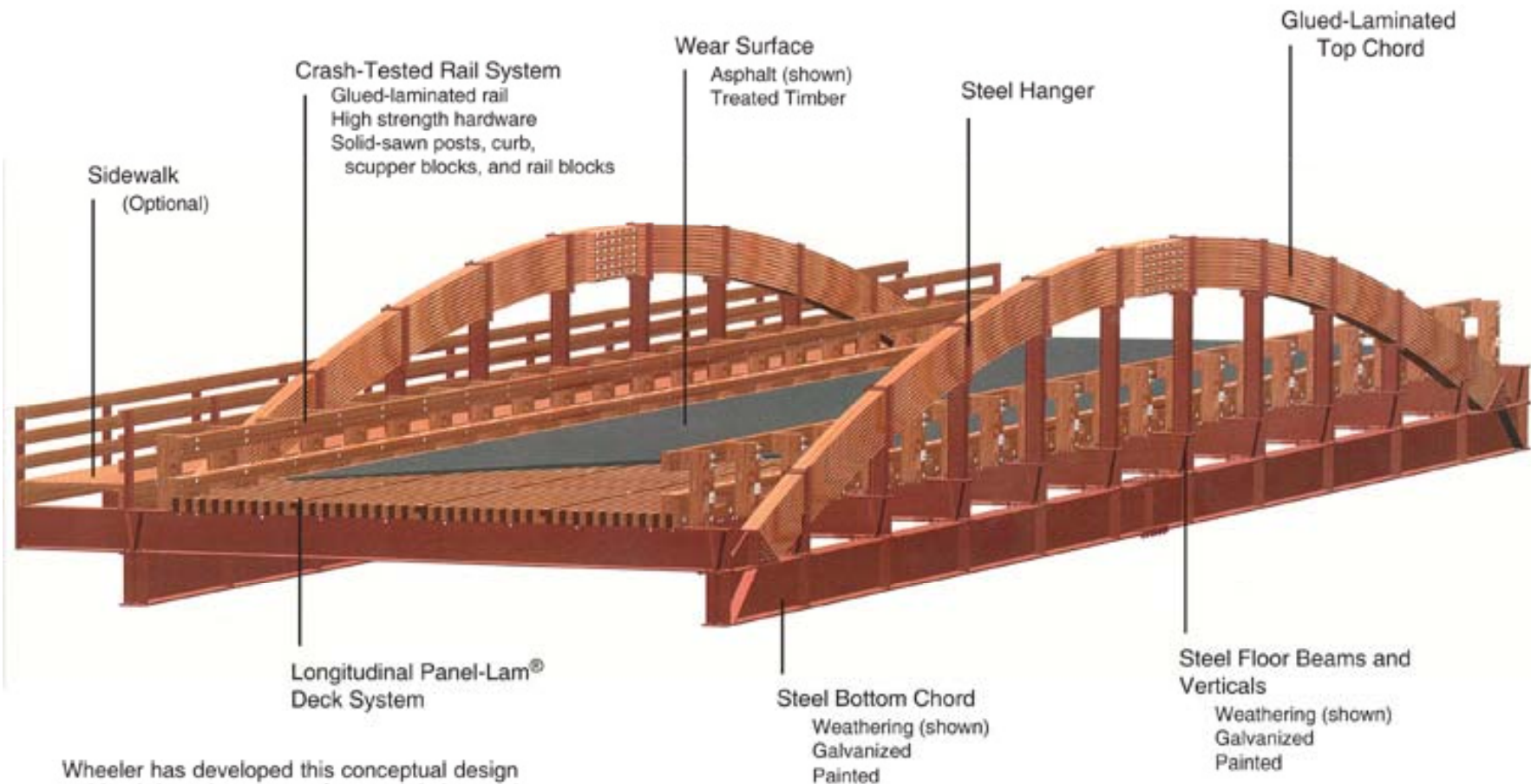
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Bridges

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation



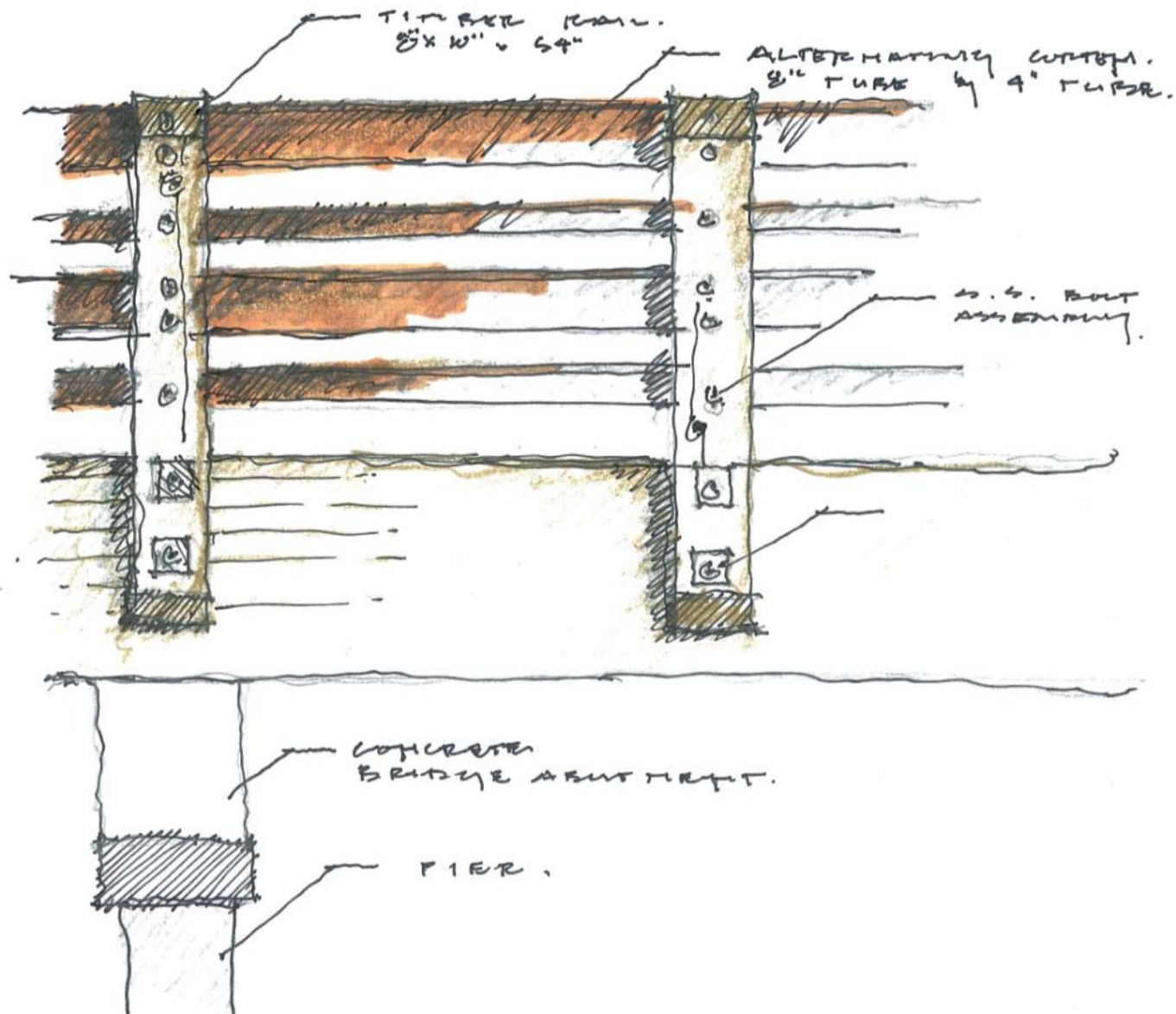
Wheeler has developed this conceptual design to blend the advantages of treated timber and steel. This long span design is based on a two lane roadway and HS-20 loading.



Bridges

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation



Bridge Details

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation

LOUETTE TUBE STEEL
rth, Suite 450
:sota 55401

3" TO 4"
ALT. RAILS
2" DIMENSIONAL

PROJECT #

SHEET NO.

10" x 8" x 54"
TIMBER GUARD
4 O.C.

DRIVING DECK
CONC. DECK

TIMBER GUARD

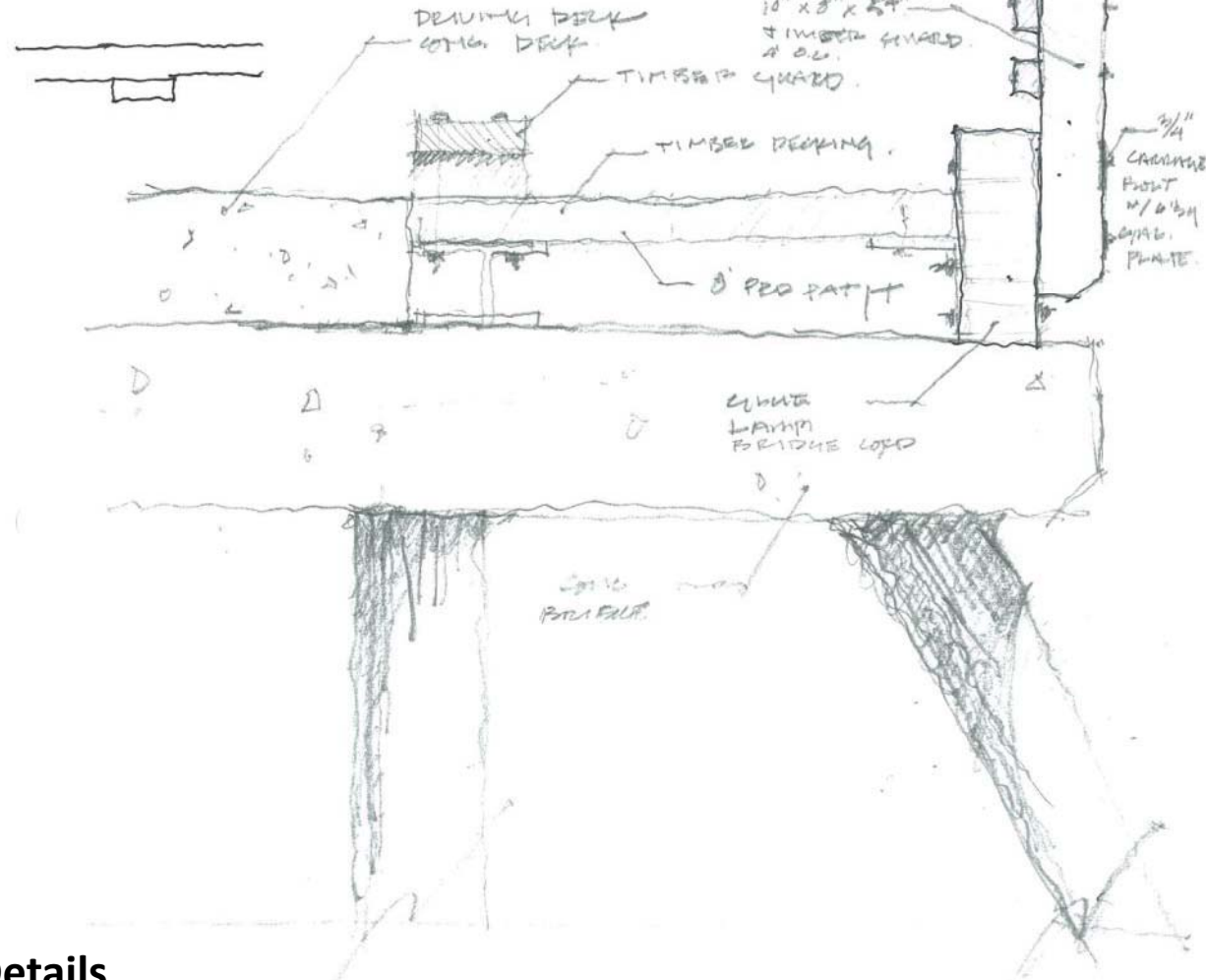
TIMBER DECKING

8' PRO PATHT

3/4"
CRANKING
POST
W/ 6" x 6"
CAP &
PLATE

CHUTE
LAMP
BRIDGE LAMP

CONC.
POST



Bridge Details

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation



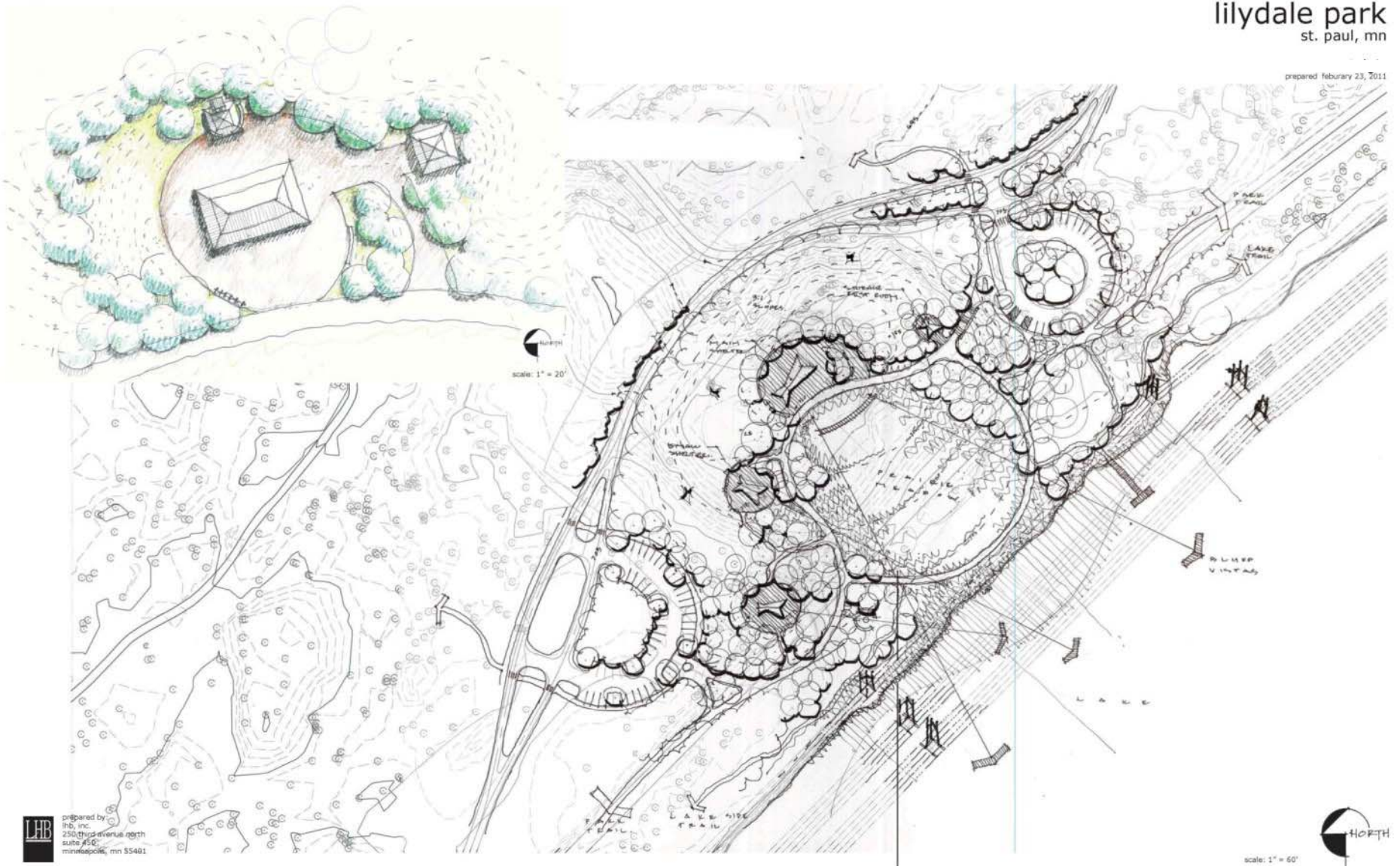
Pickerel Clearing

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation

lilydale park st. paul, mn

prepared february 23, 2011



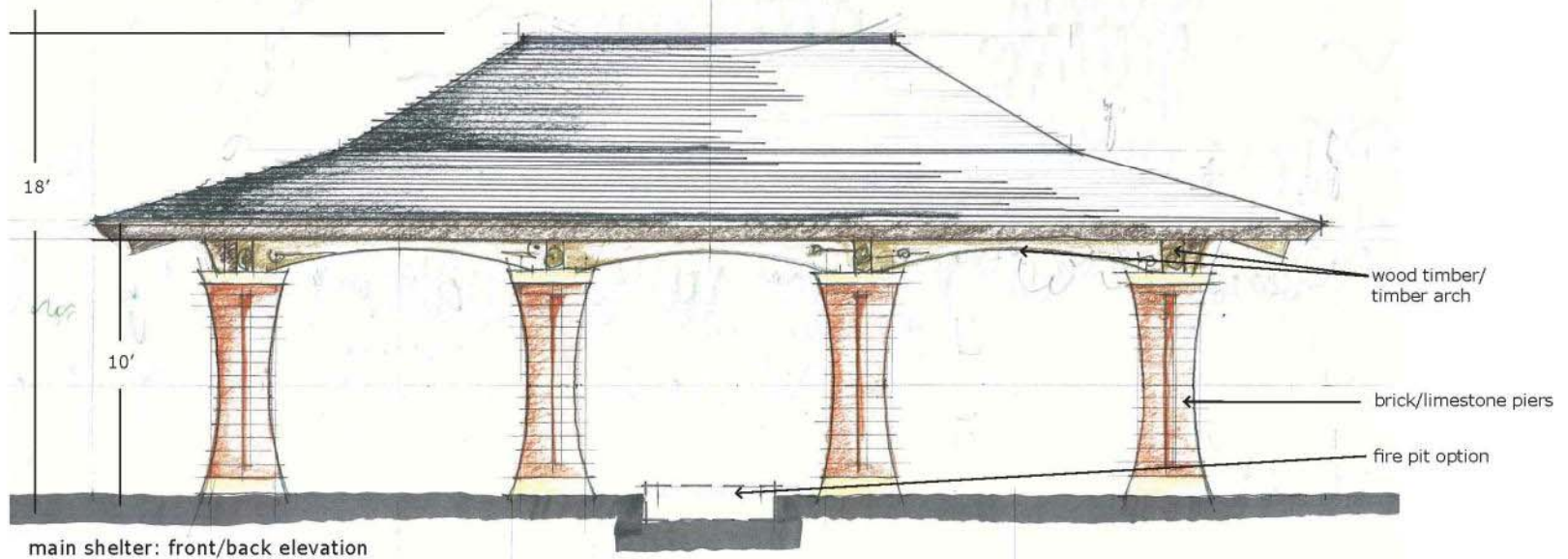
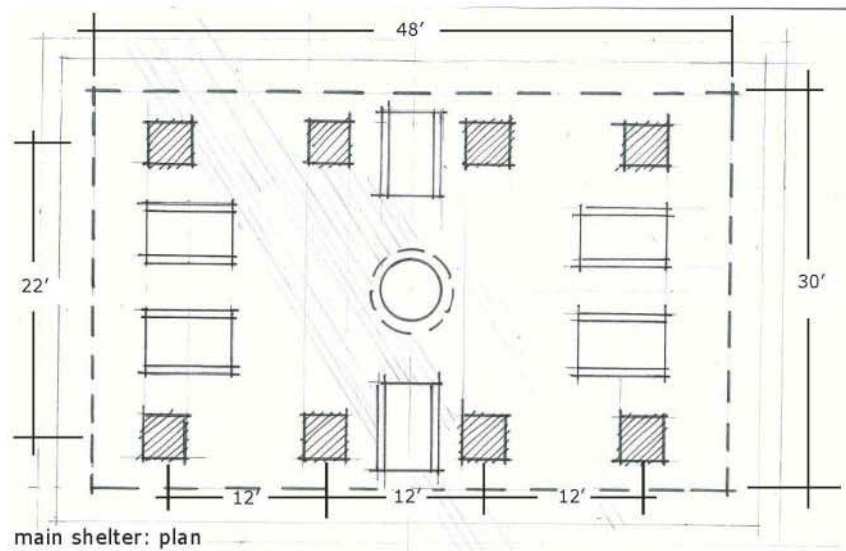
prepared by
lhb, inc.
250 third avenue north
suite #50
minneapolis, mn 55481



Pickerel Clearing

Lilydale Regional Park

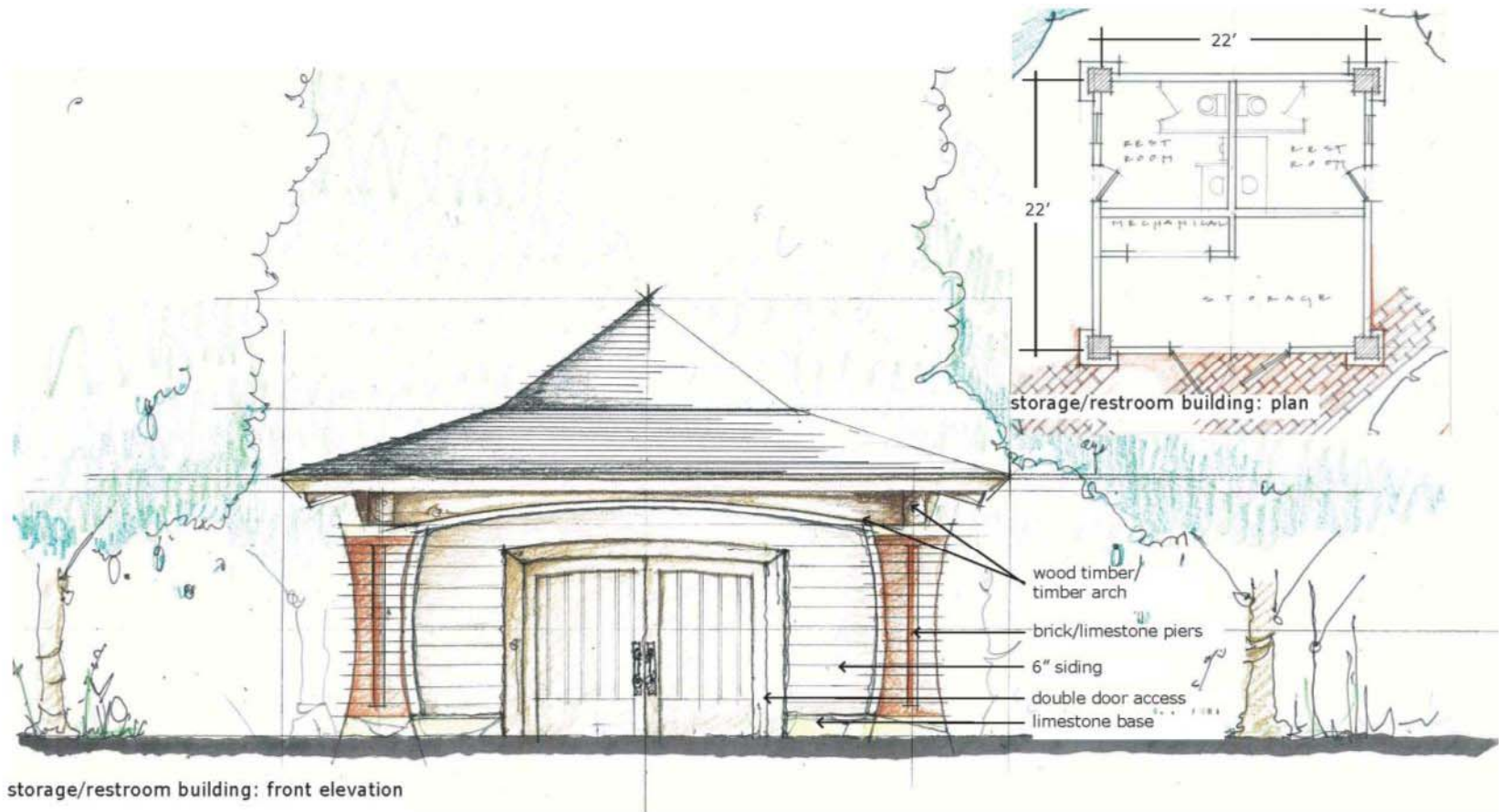
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Pickerel Clearing: Shelter Option A

Lilydale Regional Park

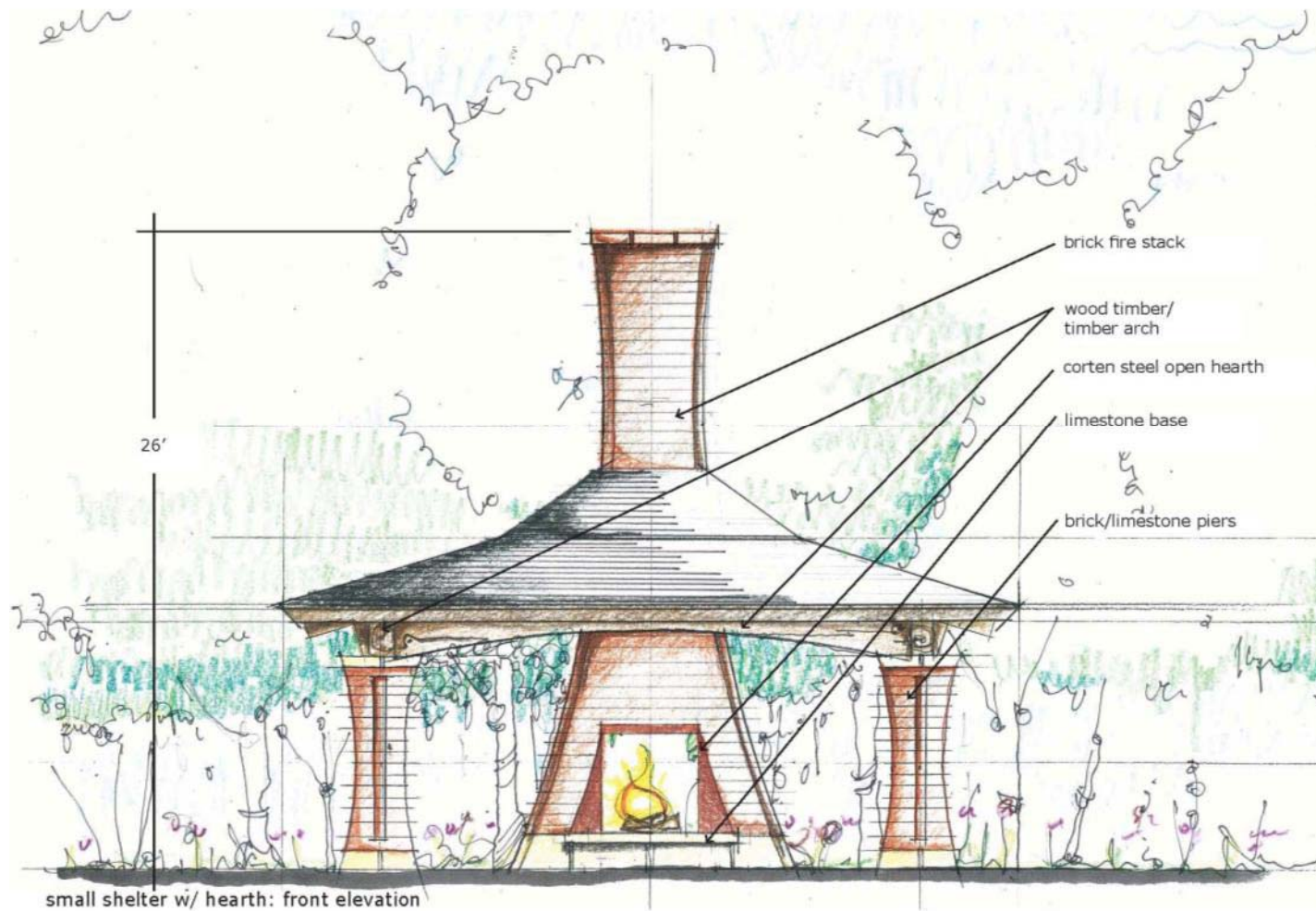
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Pickerel Clearing: Shelter Option A

Lilydale Regional Park

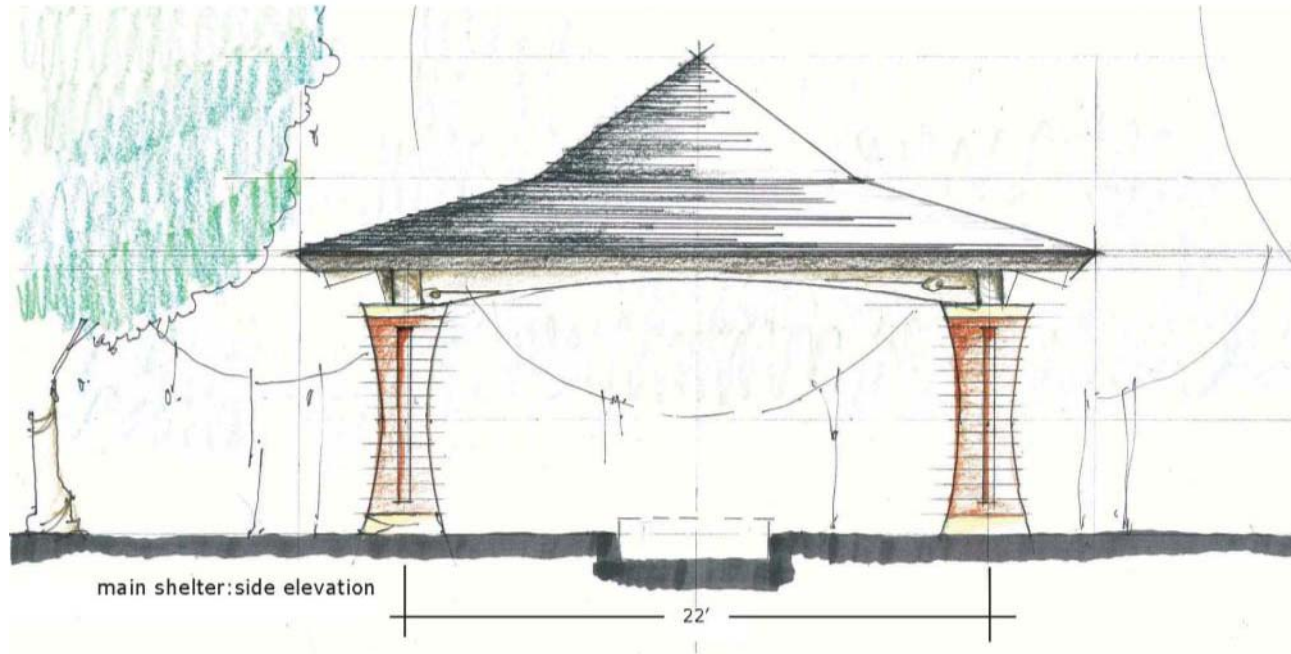
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Pickerel Clearing: Shelter Option A

Lilydale Regional Park

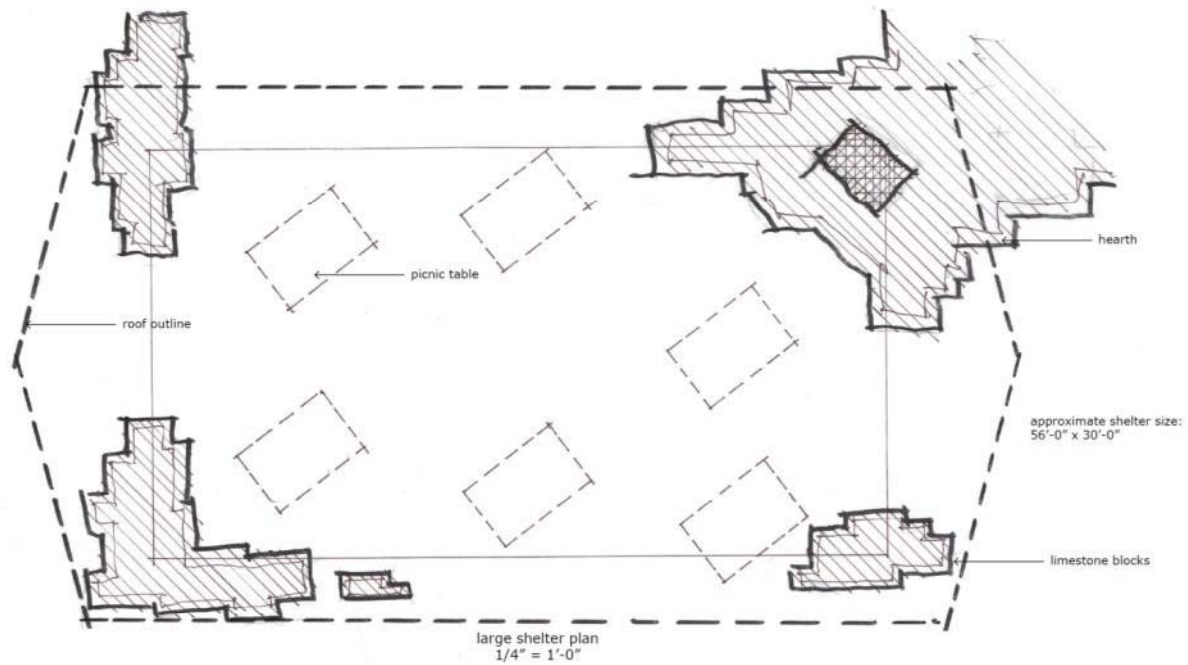
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Pickerel Clearing: Shelter Option A

Lilydale Regional Park

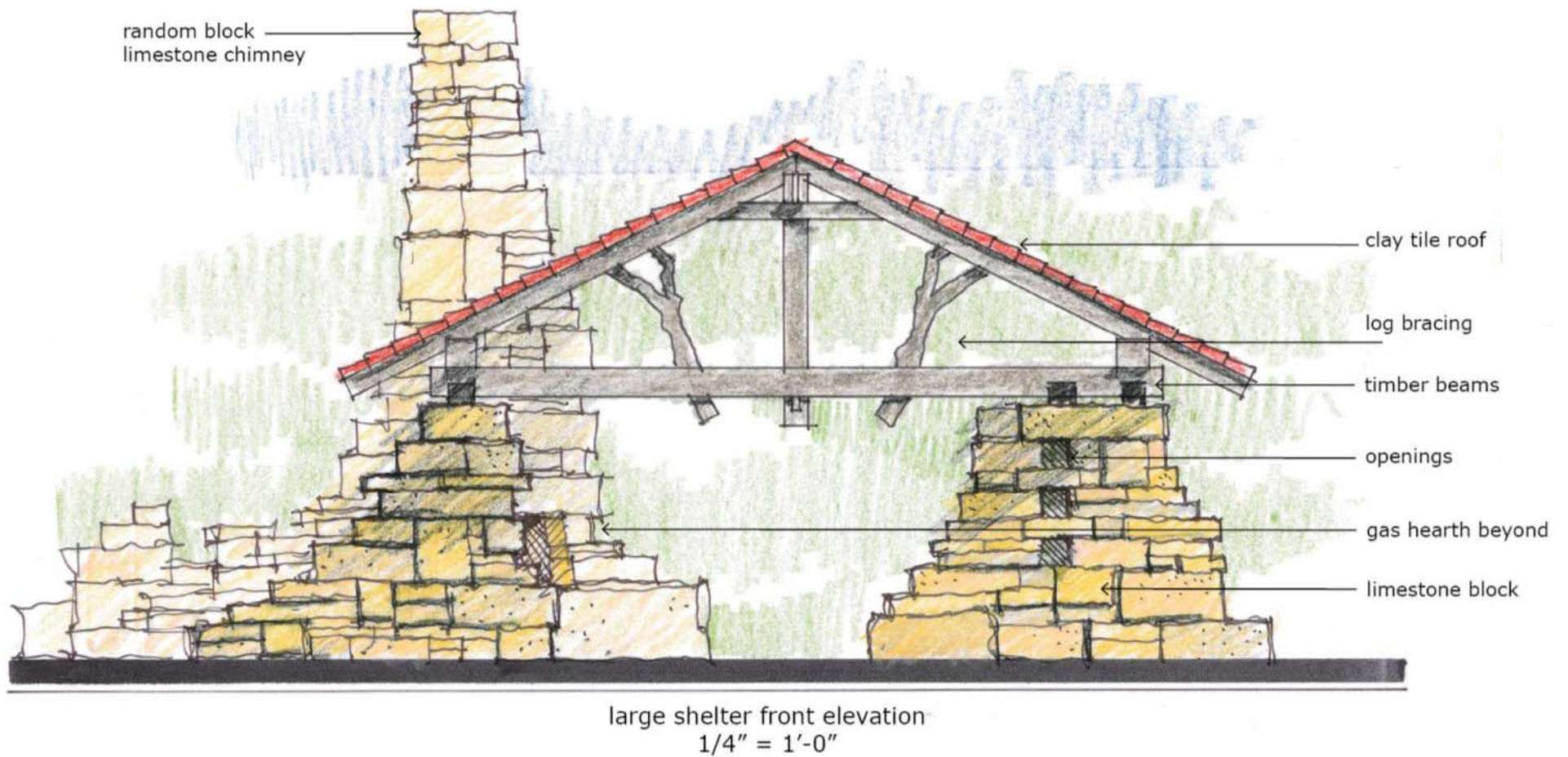
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Pickerel Clearing: Shelter Option C

Lilydale Regional Park

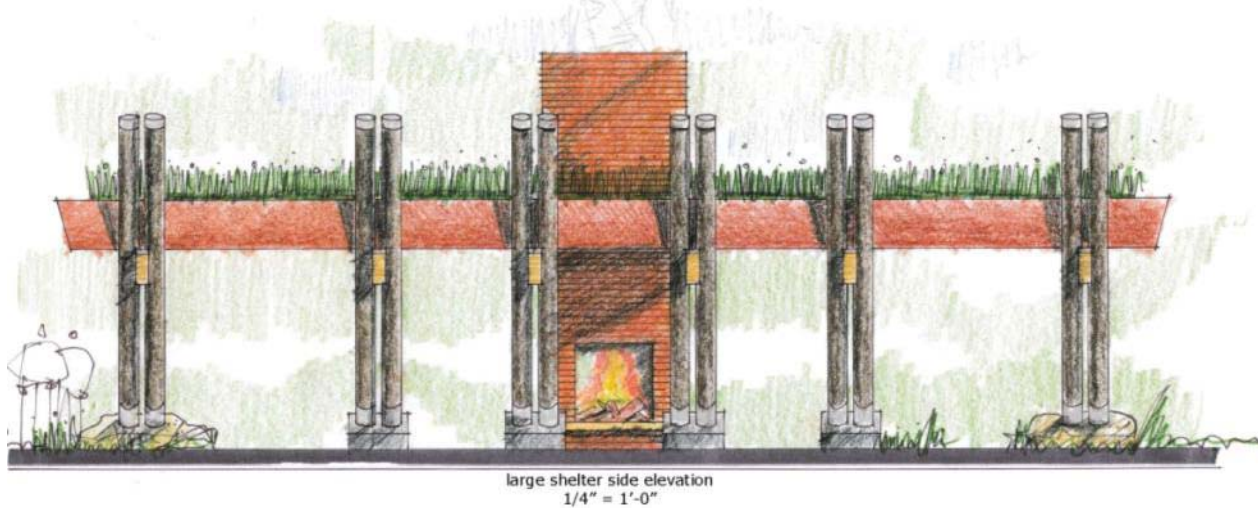
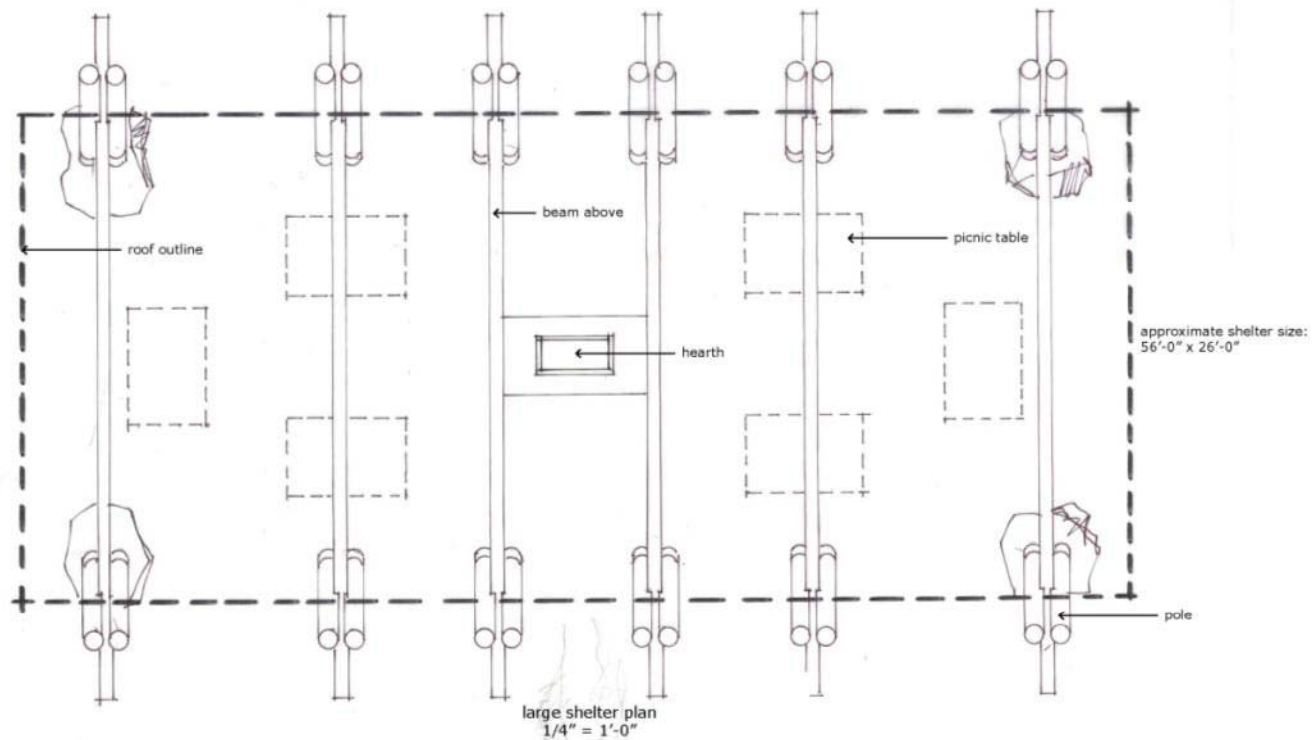
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Pickerel Clearing: Shelter Option C

Lilydale Regional Park

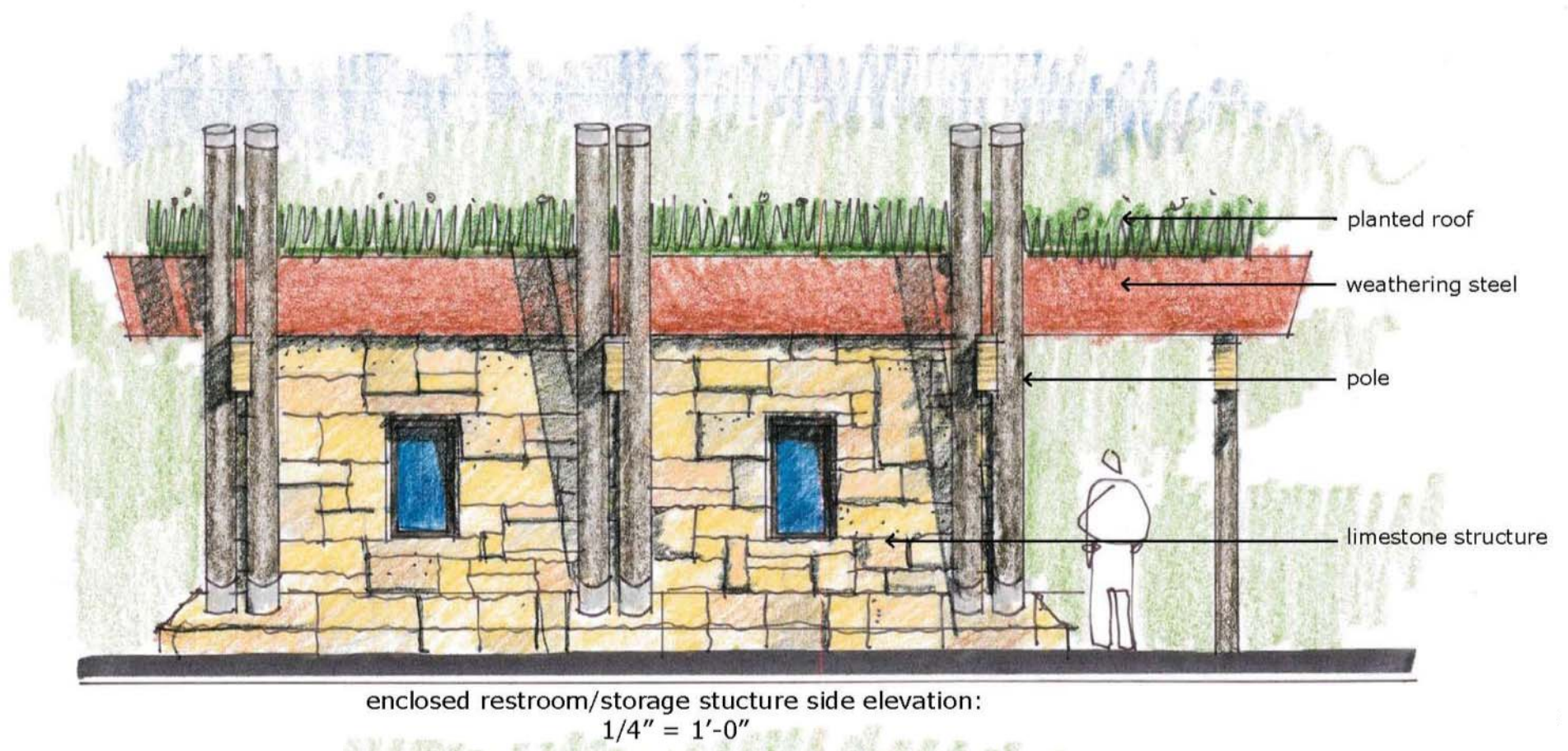
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Pickerel Clearing: Shelter Option C

Lilydale Regional Park

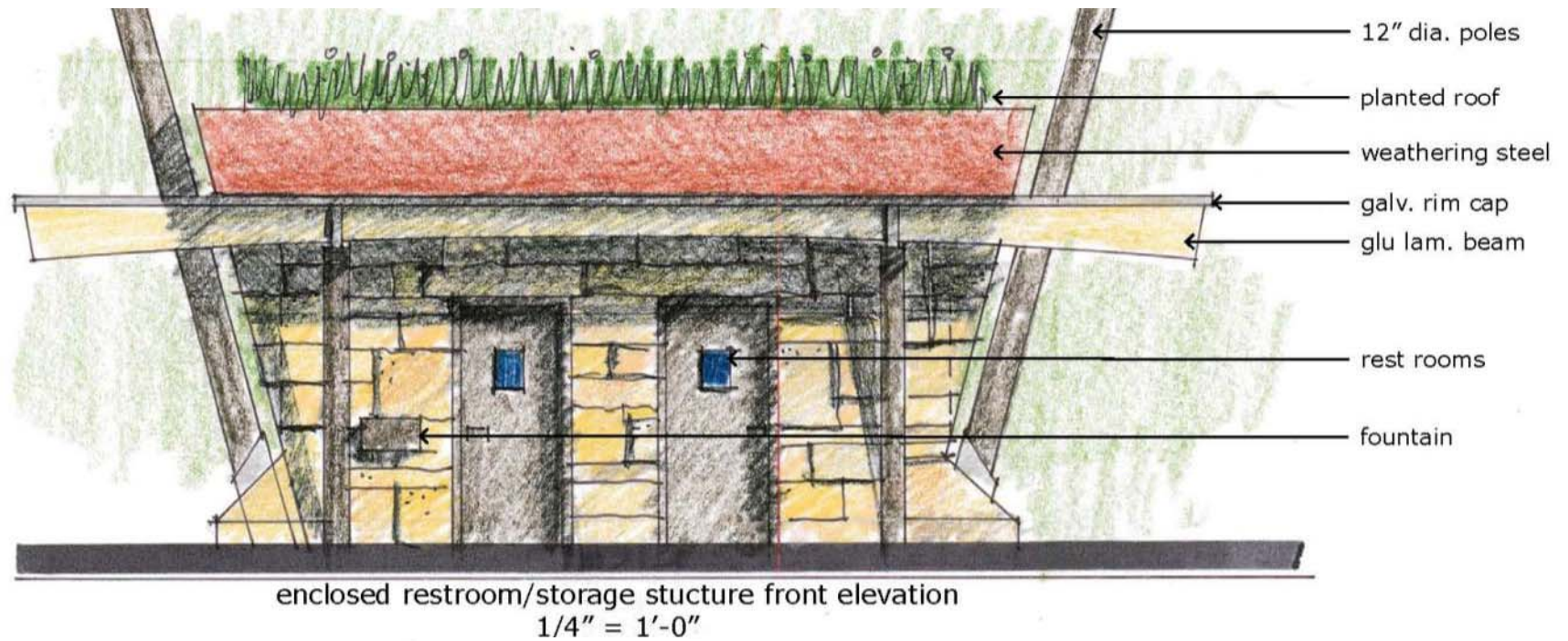
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Pickerel Clearing: Shelter Option C

Lilydale Regional Park

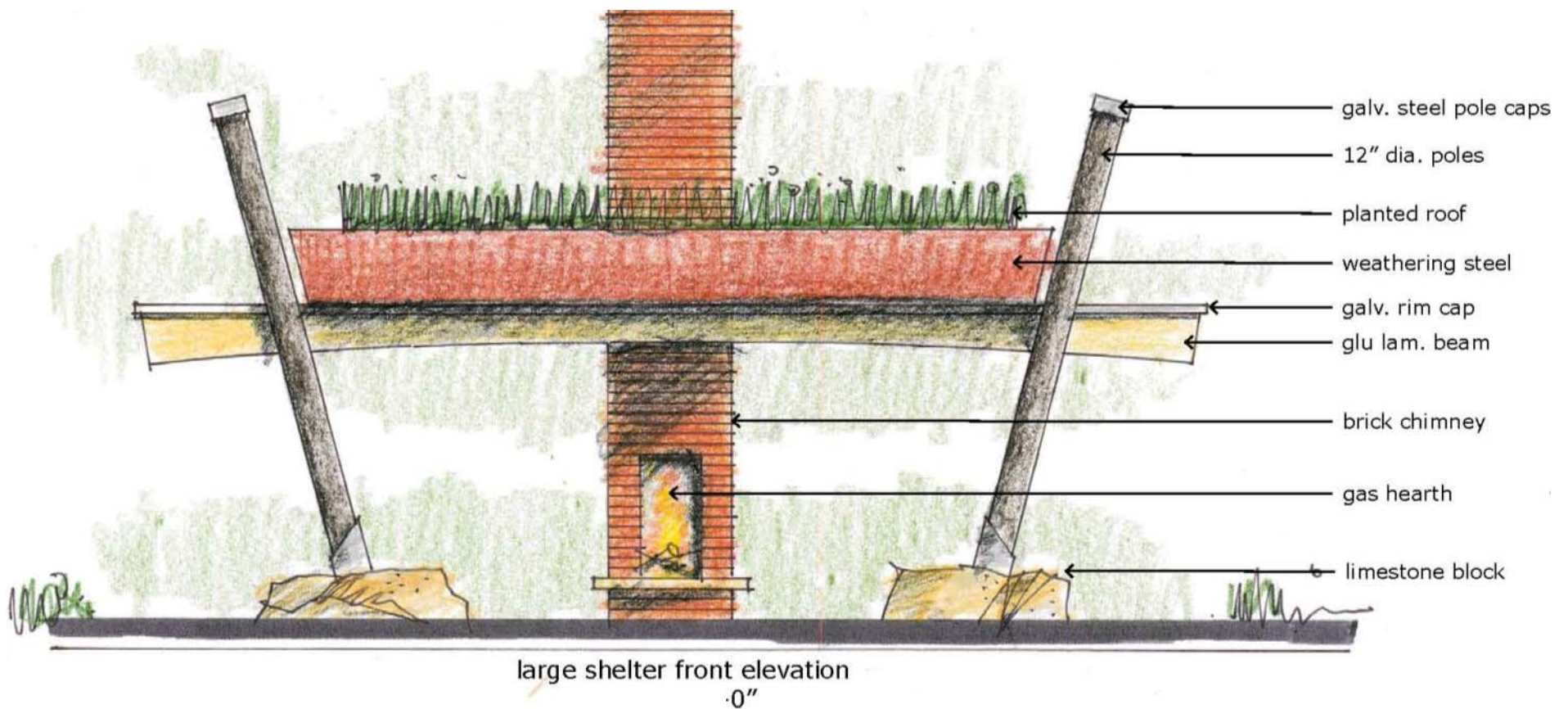
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Pickerel Clearing: Shelter Option C

Lilydale Regional Park

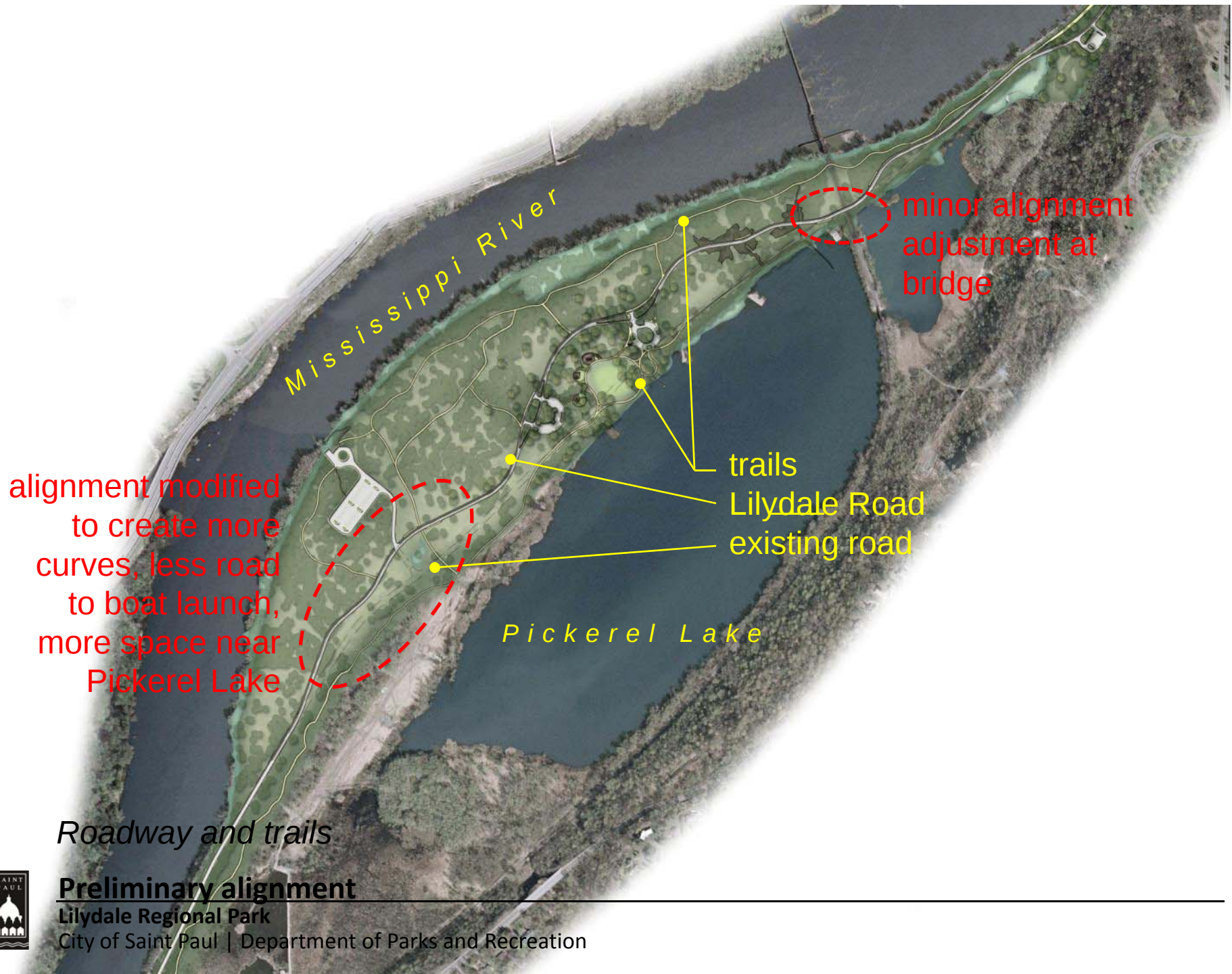
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Pickerel Clearing: Shelter Option C

Lilydale Regional Park

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alignment modified
to create more
curves, less road
to boat launch,
more space near
Pickerel Lake

minor alignment
adjustment at
bridge

trails
Lilydale Road
existing road

Pickerel Lake

Mississippi River

Roadway and trails



Preliminary alignment

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation



Parking in Lilydale		current	plan	SP/AC
DNR Boat Launch		72	72	
Pickerel "Clearing"	Lot #1	0	0	
	Lot #2	27	25	
Fossil Grounds		40	20	
On Road Parking		-	28	
Total		139	145	0.38 sp/ac

Other Factors

park acreage
 surrounding density
 proximity to transit
 lineal miles of trails
 programming
 educational/interpretive
 recreation
 amenities

Sampling of Nature Centers/Preserves

Park	Acreage	Spaces	SP/AC
Tamarack Nature Center	320	240	0.75
Dodge Nature Center	320	160	0.50
Eloise Butler	15	30	2.00
Lebanon Hills	2000	450	0.23
Arbor Hills Nature Preserve, TX	200	146	0.73
The Preserve, Clark Co, NV	200	270	1.35
		average	0.69 sp/ac
		weighted avg	0.42 sp/ac



Parking Background Information

LILYDALE REGIONAL PARK

CITY OF SAINT PAUL PARKS AND RECREATION DESIGN SECTION

March 1, 2011

Program element	users	parking ratio	parking required
Fishing pier	20	0.5 space/user	10
Lakeshore fishing	12	0.5 space/user	6
Canoe launch	2	0.5 space/user	1
Council ring	25	0.33 space/user	8
Group camping	36	0.33 space/user	12
Picnic tables	60	0.33 space/user	20
Shelters (1 large, 2 small)	60	0.33 space/user	32
River boating	50	0.33 space/user	17
Interpretive activity	21	0.5 space/user	11
Dog park	43	0.75 space/user	32
Regional trail use	27	0.5 space/user	14
Total			163



Parking program

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation

Parking

parking provided

Total existing parking spaces

Boat launch **74** spaces

Lakeside **xx** spaces

Fossil grounds **20** spaces

Total existing parking **xxx** spaces



Parking program

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation

Parking location	parking provided
-------------------------	-------------------------

Short term parking development

Fossil grounds	20 spaces
Boat launch	74 spaces
Pickerel Clearing	25 spaces (east parking)
Lilydale Road	28 spaces in 7 locations, 4 spaces at each location

Total first phase	147 spaces
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Long term parking development

Pickerel Clearing	50 spaces maximum (west parking, future implementation)
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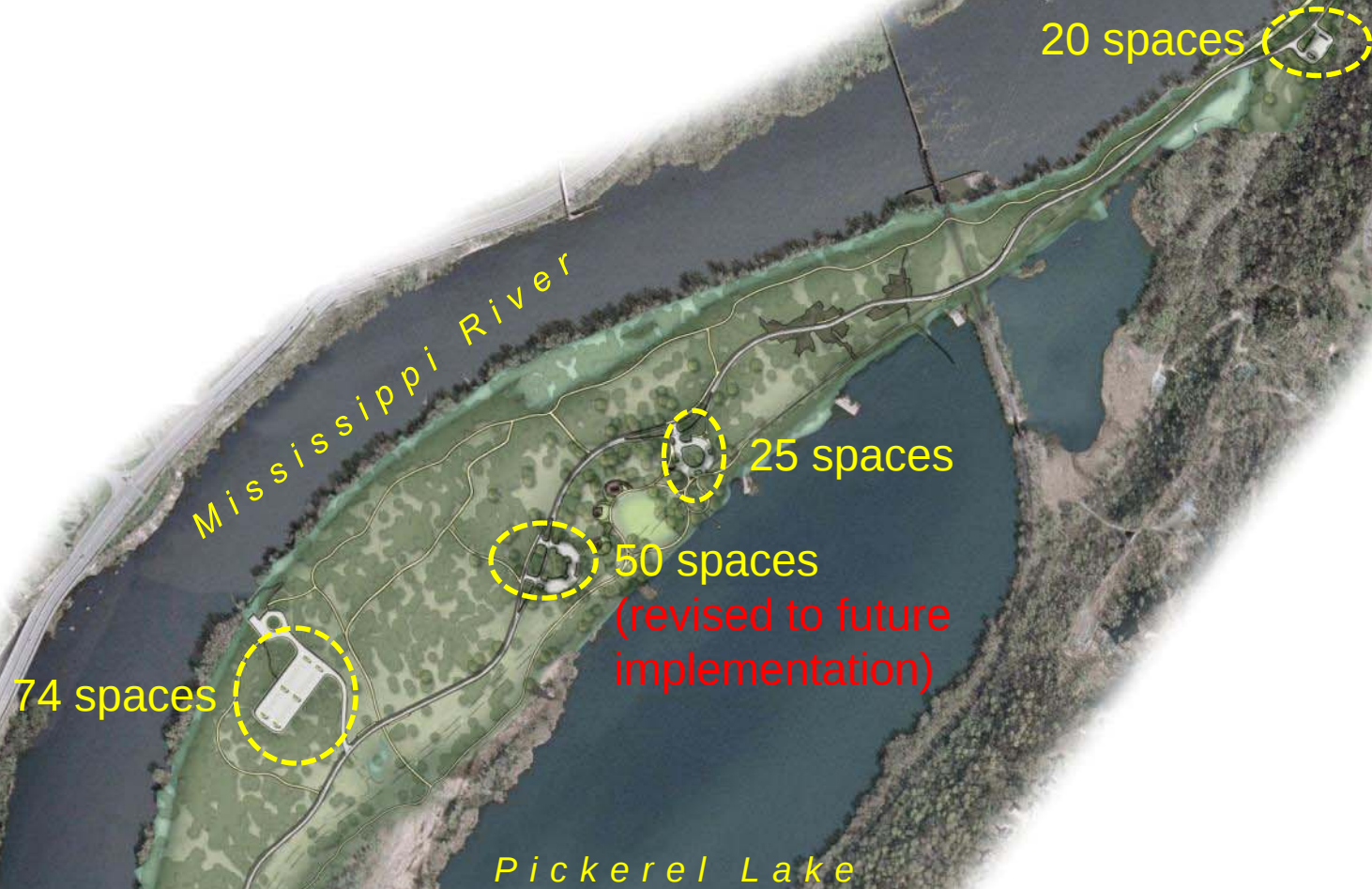
Total long term	197 spaces
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Parking program

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation



Off-road parking spaces



Parking locations

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation

potential for additional roadside parking
(depending on final alignment limitations)

Mississippi River

4 spaces

4 spaces

4 spaces

8 spaces

Pickereel Lake

8 spaces

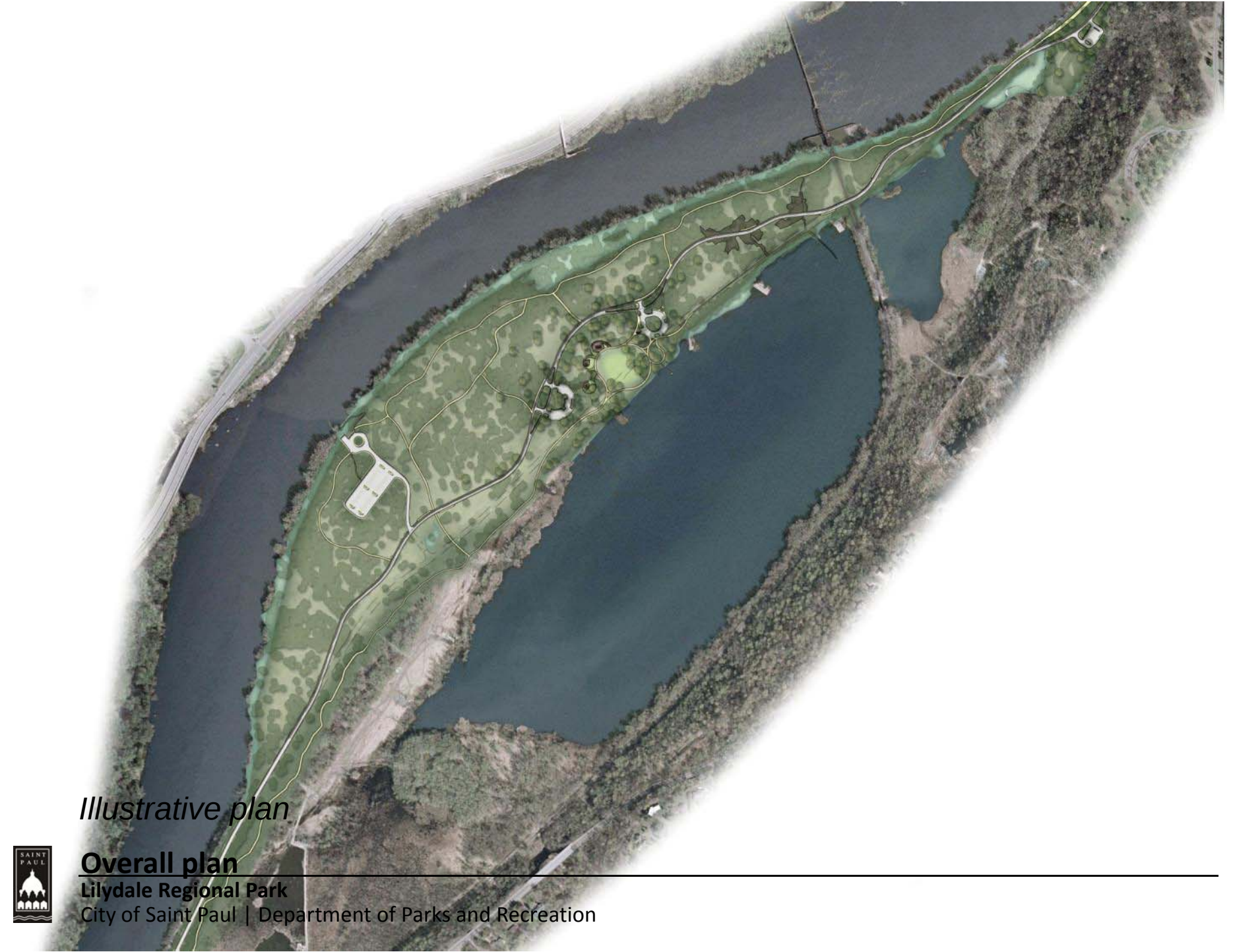
Roadside parking spaces



Parking locations

Lilydale Regional Park

City of Saint Paul | Department of Parks and Recreation

An aerial photograph of Lilydale Regional Park, showing a large body of water (Lilydale Reservoir) and surrounding greenery. Overlaid on the photograph is a green-tinted illustrative plan of the park. The plan shows various paths, including a main road and several smaller trails, as well as designated areas for recreation and parking. The plan is semi-transparent, allowing the natural features of the park to be visible beneath it.

Illustrative plan



Overall plan

Lilydale Regional Park

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