



WINNETKA PARK DISTRICT
SPECIAL BOARD MEETING: LAKEFRONT WORKSHOP
Hubbard Woods School Auditorium, 1110 Chatfield Road
THURSDAY, AUGUST 25, 2022 | 6:00 p.m.*

AGENDA

1. Roll Call
2. Remarks from Visitors
3. Elder + Centennial
 - a. Breakwater Design Concepts Reviewed and Discussed
 - i. Park District Designs Concepts for Elder + Centennial**
 - ii. Chuck Dowding “Elder Now Plan”***
4. Adjournment

***Zoom viewing instructions**

To view the meeting via Zoom, sign in and enter Meeting ID #857 8513 6987 and Passcode # 764946. To listen via phone, call +1.312.626.6799 and use the same meeting number and passcode. *Zoom is the platform used to video record the meeting. As such, the “chat” feature will not be monitored. Public comment will be accepted in person during Agenda item 2, “Remarks from Visitors”.*

****Items included in packet**



WINNETKA PARK DISTRICT REMARKS FROM VISITORS & PUBLIC COMMENT

At regular Park Board meetings, there is an agenda item called Remarks from Visitors. Remarks may also be solicited at special meetings. Public hearings are specifically designed to seek feedback from the community.

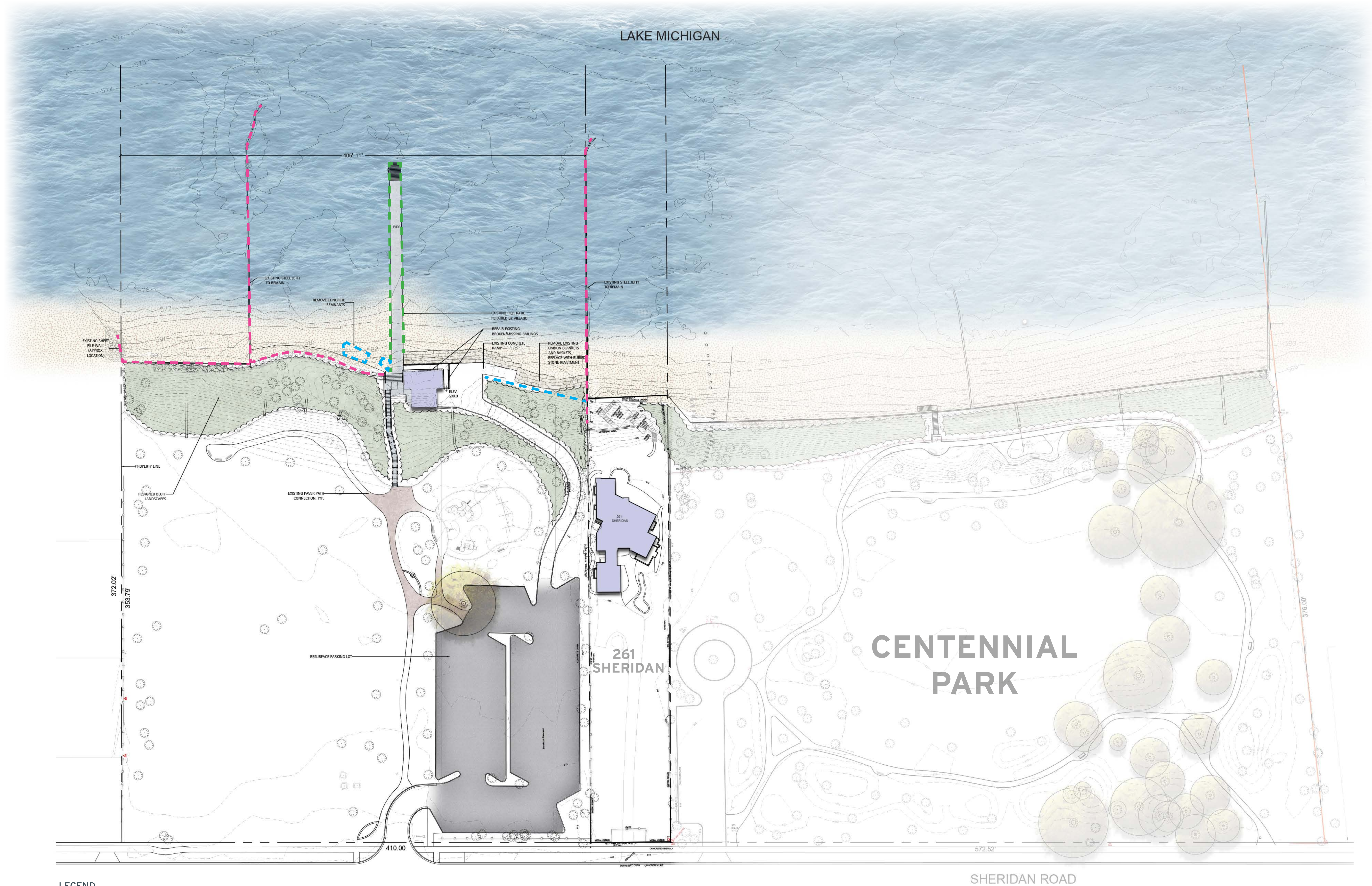
If you have a question or concern and need to address the Board at any of these meetings, please comply with the basic guidelines below.

1. The Board President will chair the meeting.
2. Any resident or visitor wishing to address the Board, an individual Board member or a guest presenter, must direct their questions and comments to the President at the appropriate time or at the President's invitation.
3. The Board will hear a resident's or visitors comments only after the President has recognized the individual to speak.
4. Speakers are asked to state their name for the public record.
5. Speakers will be allowed three minutes and may not yield their time to other speakers.
6. Persons wishing to speak for a second time may do so with the consent of the President, only after all others have had an opportunity to address the Board.
7. Please refrain from comment or question at a Public Hearing until the presentation has been completed.
8. At the discretion of the Chair, you may be asked to submit your question in writing on a 3 x 5 card and you will receive a written response with one week of the hearing.

The President will strive to allow all residents and visitors equal opportunity to address the Board. In general the Board will not comment or respond to issues requiring Board consideration until the issue has been reviewed by the Board/staff.

The Board often has a full business agenda and must complete the work of the Park District at scheduled meetings. Please do not repeat comments or questions that have already been made by others and please do not interrupt commissioners or other speakers.

Updated 1/23/18



LEGEND

- PROPOSED BLUFF RESTORATION
- ACCESS TO BEACH
- SHEET PILE (PROPOSED)
- SHEET PILE/STRUCTURE (EXISTING)
- SHEET PILE/STRUCTURE TO BE REMOVED
- SHEET PILE/STRUCTURE TO BE REPAIRED (BY OTHERS)

ELDER/CENTENNIAL BEACH FEASIBILITY STUDY **PHASE 1 | ELDER OPTION 1 (WORKSHOP DRAFT - FOR DISCUSSION PURPOSES ONLY)**

WINNETKA, ILLINOIS

SCALE: 1"=40'

0 20' 40' 80'

NORTH

WORKSHOP DRAFT AUGUST 25, 2022

PROJECT TEAM:

SPACECO

CBEL

SHABICA

PREPARED FOR:

WINNETKA PARK DISTRICT

THE LAKOTA GROUP.

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Elder Lane + Centennial: Workshop Design Draft Options

Elder Lane Park + Beach:

OPTION 1:

Land Based

ELEMENT DESCRIPTION	UNIT PRICE	QTY.	TOTAL
Mobilization	\$ 600,000.00	1	\$ 600,000.00
Removal of gabions	\$ 60,000.00	1	\$ 60,000.00
Buried Stone Revetment 12 ton per ft.	\$ 2,500.00	160	\$ 400,000.00
Concrete demo/removal	\$ 100.00	600	\$ 60,000.00
Bluff Restoration	\$ 150,000.00	1	\$ 150,000.00
Sand Placement Mason Sand	\$ 45.00	2000	\$ 90,000.00
Paving of Parking Lot	\$ 6.00	26254	\$ 157,524.00
Pier Repairs (by others) *	\$ 400,000.00	1	\$ 400,000.00

TOTAL

\$ 1,517,524.00

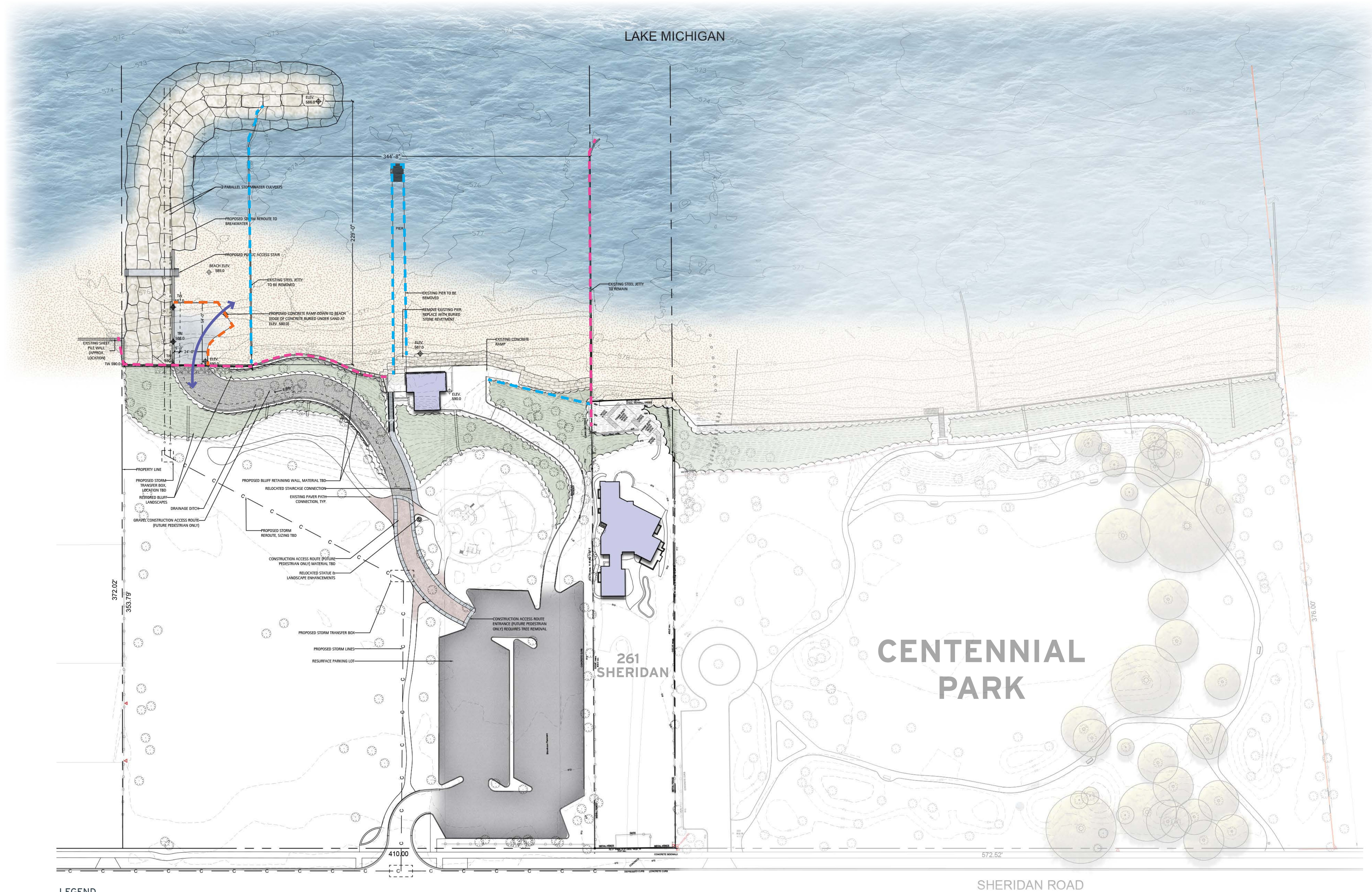
SOFT COSTS

(Engineering, plans/drawings, permit costs, etc.)

\$ 90,000.00

TOTAL

\$ 1,607,524.00



LEGEND

- PROPOSED BLUFF RESTORATION
- ACCESS TO BEACH
- SHEET PILE (PROPOSED)
- SHEET PILE/STRUCTURE (EXISTING)
- SHEET PILE/STRUCTURE TO BE REMOVED



Elder Lane + Centennial: Workshop Design Draft Options

Elder Lane Park + Beach:

OPTION 2:

Land Based

ELEMENT DESCRIPTION	UNIT PRICE	QTY.	TOTAL
Mobilization	\$ 600,000.00	1	\$ 600,000.00
Buried Stone Revetment 12 ton per ft.	\$ 2,500.00	175	\$ 437,500.00
Concrete demo/removal	\$ 100.00	600	\$ 60,000.00
Bluff Restoration	\$ 150,000.00	1	\$ 150,000.00
Sand Placement Mason Sand	\$ 45.00	9600	\$ 432,000.00
Paving of Parking Lot	\$ 6.00	26254	\$ 157,524.00
35 ton per foot breakwater	\$ 5,820.00	300	\$ 1,746,000.00
15 ton per foot 1/2 breakwater	\$ 3,000.00	100	\$ 300,000.00
Stone Steps 35 Ton Breakwater	\$ 55,000.00	1	\$ 55,000.00
Steel Sheet Piling 30'	\$ 3,200.00	200	\$ 640,000.00
Concrete for ramp	\$ 100.00	1700	\$ 170,000.00
Access Roadway Stone w/Drainage	\$ 250,000.00	1	\$ 250,000.00
Retaining Walls	\$ 100,000.00	1	\$ 100,000.00
Relocated Stormwater Outfall 60" LF	\$ 600.00	500	\$ 300,000.00
Relocated Stormwater Outfall 36" LF	\$ 450.00	650	\$ 292,500.00
Demo (steel, pier, misc.)	\$ 220,000.00	1	\$ 220,000.00

TOTAL **\$ 5,910,524.00**

SOFT COSTS

(Engineering, plans/drawings, permit costs, etc.) **\$ 175,000.00**

TOTAL **\$ 6,085,524.00**



Elder Lane + Centennial: Workshop Design Draft Options

Elder Lane Park + Beach:

OPTION 3:

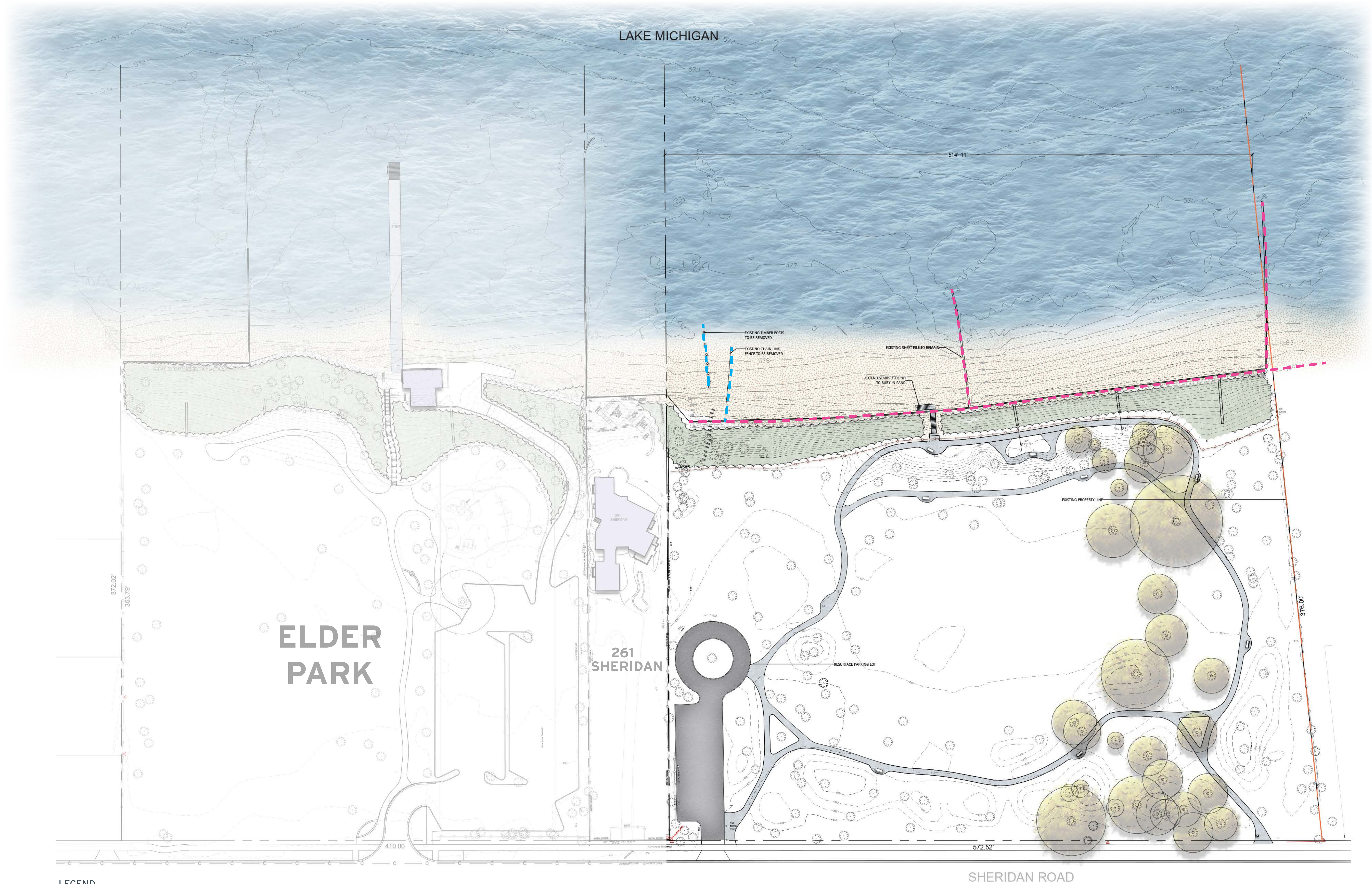
Land Based

ELEMENT DESCRIPTION	UNIT PRICE	QTY.	TOTAL
Mobilization	\$ 600,000.00	1	\$ 600,000.00
Buried Stone Revetment 12 ton per ft.	\$ 2,500.00	160	\$ 400,000.00
Concrete demo/removal	\$ 100.00	600	\$ 60,000.00
Bluff Restoration	\$ 150,000.00	1	\$ 150,000.00
Sand Placement Mason Sand	\$ 45.00	10800	\$ 486,000.00
Paving of Parking Lot	\$ 6.00	26254	\$ 157,524.00
35 ton per foot breakwater	\$ 5,820.00	300	\$ 1,746,000.00
15 ton per foot 1/2 breakwater	\$ 3,000.00	100	\$ 300,000.00
Stone Steps 35 Ton Breakwater	\$ 55,000.00	1	\$ 55,000.00
Steel Sheet Piling 30'	\$ 3,200.00	420	\$ 1,344,000.00
Concrete for ramps (Vehicle & Walkway)	\$ 100.00	2120	\$ 212,000.00
Access Roadway Stone w/Drainage	\$ 250,000.00	1	\$ 250,000.00
Retaining Walls	\$ 100,000.00	1	\$ 100,000.00
Relocated Stormwater Outfall 60" LF	\$ 600.00	500	\$ 300,000.00
Relocated Stormwater Outfall 36" LF	\$ 450.00	650	\$ 292,500.00
Demo (steel, pier, misc.)	\$ 220,000.00	1	\$ 220,000.00
Elevate Ipe Boardwalk 200 lf	\$ 525,000.00	1	\$ 525,000.00
TOTAL			\$ 7,198,024.00

SOFT COSTS

(Engineering, plans/drawings, permit costs, etc.) **\$ 200,000.00**

TOTAL **\$ 7,398,024.00**





Elder Lane + Centennial: Workshop Design Draft Options

Centennial Park + Beach:

OPTION 1:

Land Based

ELEMENT DESCRIPTION	UNIT PRICE	QTY.	TOTAL
Mobilization	\$ 25,000.00	1	\$ 25,000.00
Removal of Fencing and Wooden Structures	\$ 25,000.00	1	\$ 25,000.00
Bluff Restoration	\$ 120,000.00	1	\$ 120,000.00
Paving of Parking Lot	\$ 6.00	6800	\$ 40,800.00
Extend Stairs	\$ 2,000.00	1	\$ 2,000.00

TOTAL **\$ 212,800.00**

SOFT COSTS

(Engineering, plans/drawings, permit costs, etc.) **\$ 90,000.00**

TOTAL **\$ 302,800.00**





Elder Lane + Centennial: Workshop Design Draft Options

Centennial Park + Beach:

OPTION 2:

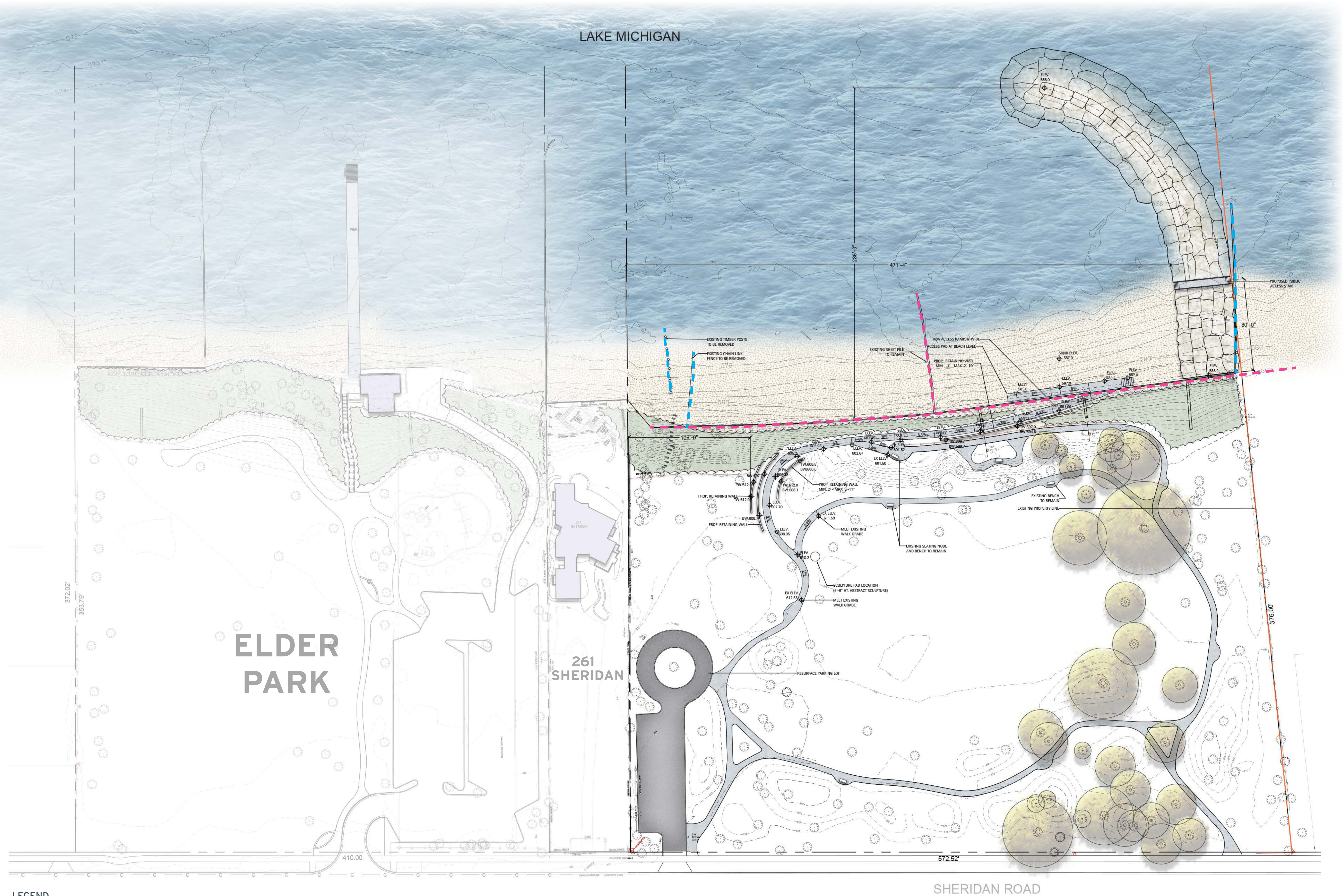
Land Based

ELEMENT DESCRIPTION	UNIT PRICE	QTY.	TOTAL
Mobilization	\$ 600,000.00	1	\$ 600,000.00
Demo (Steel, fencing, wood piles)	\$ 100,000.00	1	\$ 100,000.00
Bluff Restoration	\$ 120,000.00	1	\$ 120,000.00
Sand Placement Mason Sand	\$ 45.00	12000	\$ 540,000.00
Paving of Parking Lot	\$ 6.00	6800	\$ 40,800.00
35 ton per foot breakwater	\$ 5,820.00	250	\$ 1,455,000.00
Steel Staircase Lump Sum	\$ 50,000.00	1	\$ 50,000.00
Steel Sheet Piling 30'	\$ 3,200.00	228	\$ 729,600.00
Concrete for ramp	\$ 100.00	812	\$ 81,200.00
Access Roadway Stone w/Drainage (TBD)	\$ 250,000.00	1	\$ 250,000.00
Retaining Walls	\$ 120,000.00	1	\$ 120,000.00
ADA walkway and connection Lump Sum	\$ 300,000.00	1	\$ 300,000.00
TOTAL			\$ 4,386,600.00

SOFT COSTS

(Engineering, plans/drawings, permit costs, etc.) **\$ 175,000.00**

TOTAL **\$ 4,561,600.00**





Elder Lane + Centennial: Workshop Design Draft Options

Centennial Park + Beach:

OPTION 3:

Land Based

ELEMENT DESCRIPTION	UNIT PRICE	QTY.	TOTAL
Mobilization	\$ 600,000.00	1	\$ 600,000.00
Demo (Steel, fencing, wood piles)	\$ 100,000.00	1	\$ 100,000.00
Bluff Restoration	\$ 120,000.00	1	\$ 120,000.00
Sand Placement Mason Sand	\$ 45.00	10000	\$ 450,000.00
Paving of Parking Lot	\$ 6.00	6800	\$ 40,800.00
35 ton per foot breakwater	\$ 5,820.00	350	\$ 2,037,000.00
Granite Staircase Lump Sum	\$ 55,000.00	1	\$ 55,000.00
Steel Sheet Piling 30'	\$ 3,200.00	128	\$ 409,600.00
Concrete for ramp	\$ 100.00	812	\$ 81,200.00
Access Roadway Stone w/Drainage (TBD)	\$ 250,000.00	1	\$ 250,000.00
Retaining Walls	\$ 120,000.00	1	\$ 120,000.00
ADA walkway and connection Lump Sum	\$ 300,000.00	1	\$ 300,000.00
TOTAL			\$ 4,563,600.00

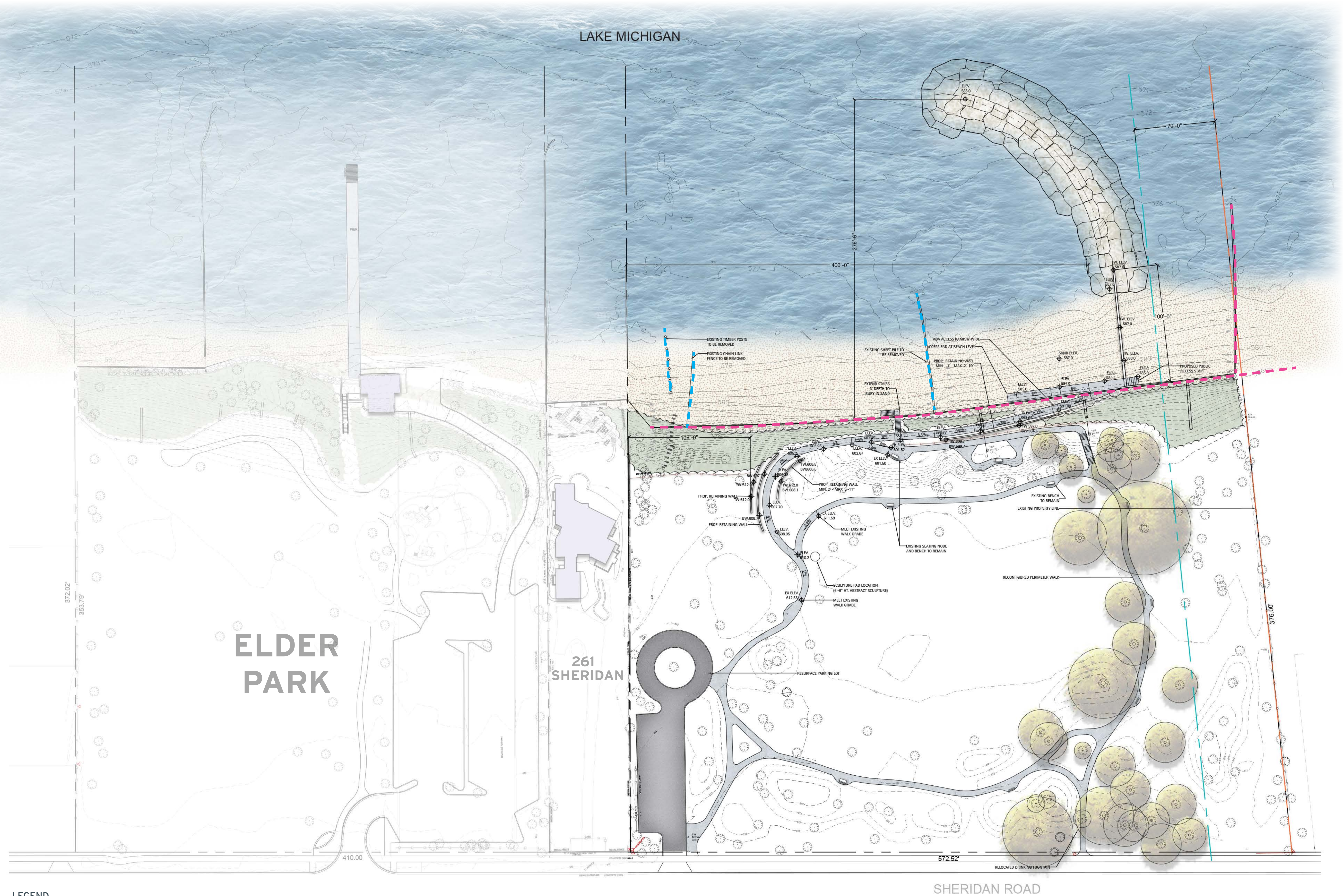
SOFT COSTS

(Engineering, plans/drawings, permit costs, etc.)

\$ 175,000.00

TOTAL

\$ 4,738,600.00



ELDER/CENTENNIAL BEACH FEASIBILITY STUDY



Elder Lane + Centennial: Workshop Design Draft Options

Centennial Park + Beach:

OPTION 4:

Land Based

ELEMENT DESCRIPTION	UNIT PRICE	QTY.	TOTAL
Mobilization	\$ 600,000.00	1	\$ 600,000.00
Demo (Steel, fencing, wood piles)	\$ 100,000.00	1	\$ 100,000.00
Bluff Restoration	\$ 120,000.00	1	\$ 120,000.00
Sand Placement Mason Sand	\$ 45.00	12000	\$ 540,000.00
Paving of Parking Lot	\$ 6.00	6800	\$ 40,800.00
35 ton per foot breakwater	\$ 5,820.00	250	\$ 1,455,000.00
Steel Staircase Lump Sum	\$ 25,000.00	1	\$ 25,000.00
Steel Sheet Piling 30'	\$ 3,200.00	228	\$ 729,600.00
Concrete for ramp	\$ 100.00	812	\$ 81,200.00
Access Roadway Stone w/Drainage (TBD)	\$ 250,000.00	1	\$ 250,000.00
Retaining Walls	\$ 120,000.00	1	\$ 120,000.00
Park Improvements (walkways and drinking fountain)	\$ 110,000.00	1	\$ 110,000.00
ADA walkway and connection Lump Sum	\$ 300,000.00	1	\$ 300,000.00
TOTAL			\$ 4,471,600.00

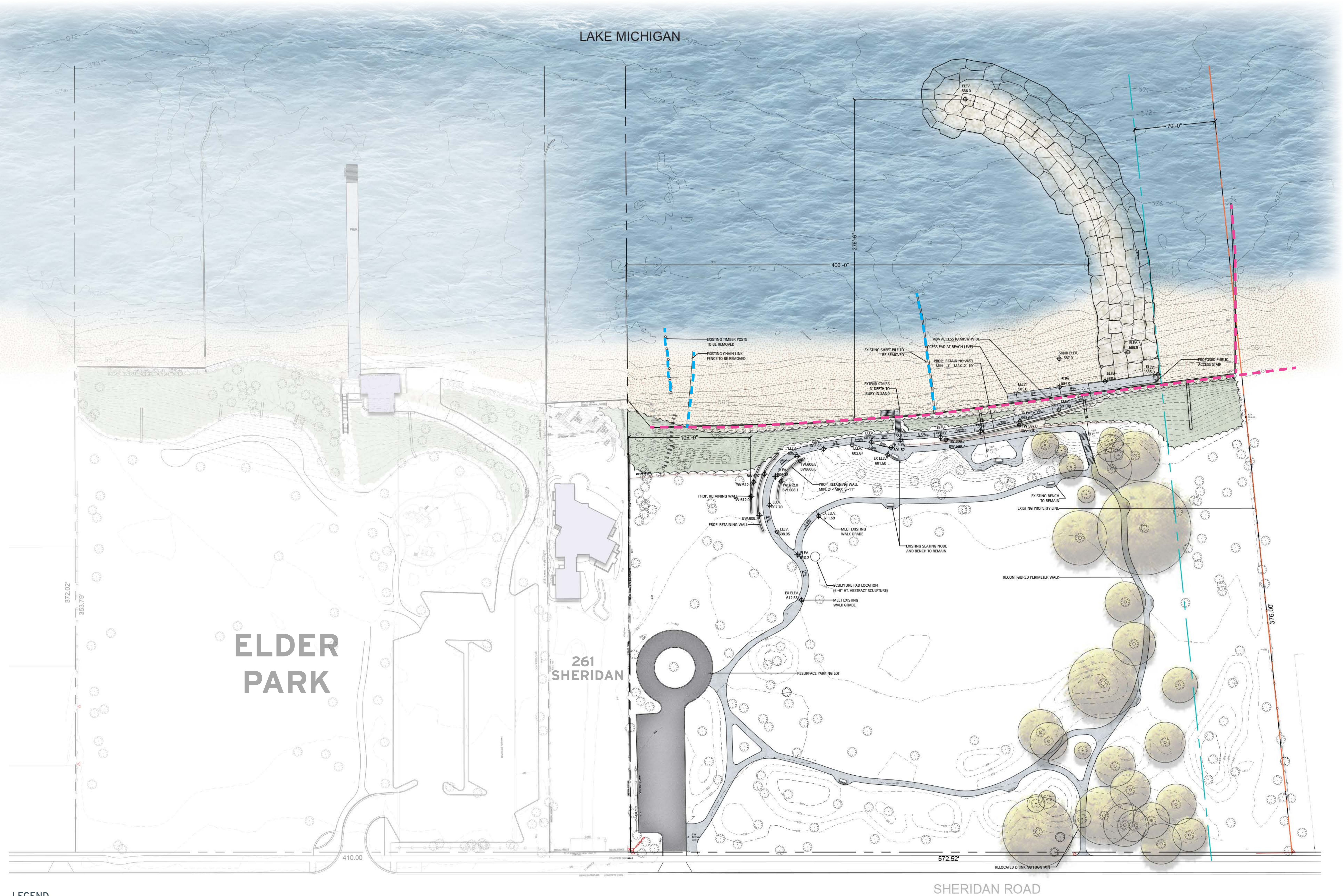
SOFT COSTS

(Engineering, plans/drawings, permit costs, etc.)

\$ 190,000.00

TOTAL

\$ 4,661,600.00



ELDER/CENTENNIAL BEACH FEASIBILITY STUDY



Elder Lane + Centennial: Workshop Design Draft Options

Centennial Park + Beach:

OPTION 5:

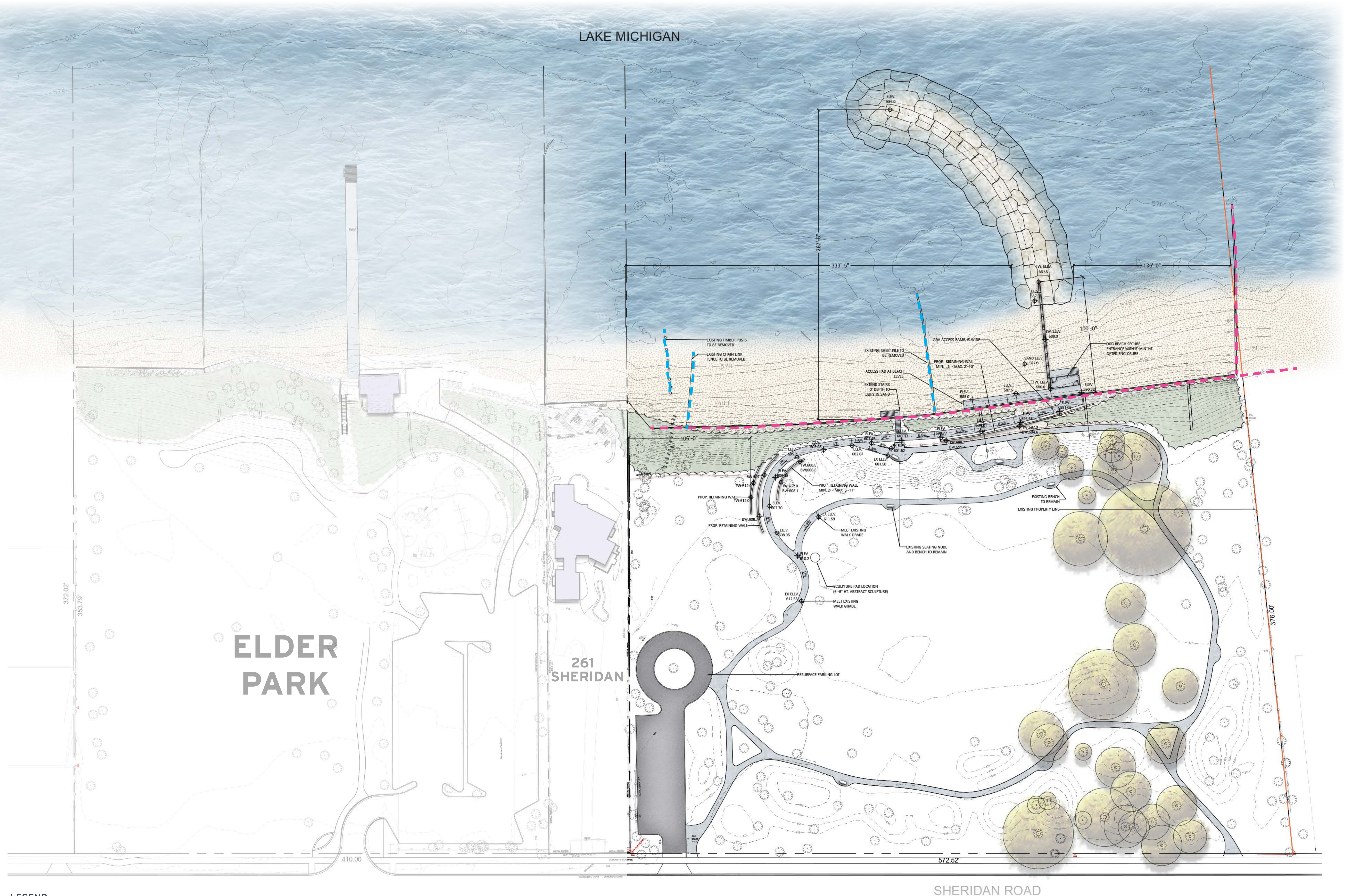
Land Based

ELEMENT DESCRIPTION	UNIT PRICE	QTY.	TOTAL
Mobilization	\$ 600,000.00	1	\$ 600,000.00
Demo (Steel, fencing, wood piles)	\$ 100,000.00	1	\$ 100,000.00
Bluff Restoration	\$ 120,000.00	1	\$ 120,000.00
Sand Placement Mason Sand	\$ 45.00	12000	\$ 540,000.00
Paving of Parking Lot	\$ 6.00	6800	\$ 40,800.00
35 ton per foot breakwater	\$ 5,820.00	350	\$ 2,037,000.00
Steel Sheet Piling 30'	\$ 3,200.00	128	\$ 409,600.00
Concrete for ramp	\$ 100.00	812	\$ 81,200.00
Access Roadway Stone w/Drainage (TBD)	\$ 250,000.00	1	\$ 250,000.00
Retaining Walls	\$ 120,000.00	1	\$ 120,000.00
Park Improvements (walkways and drinking fountain)	\$ 110,000.00	1	\$ 110,000.00
ADA walkway and connection Lump Sum	\$ 300,000.00	1	\$ 300,000.00
TOTAL			\$ 4,708,600.00

SOFT COSTS

(Engineering, plans/drawings, permit costs, etc.) **\$ 190,000.00**

TOTAL **\$ 4,898,600.00**



- LEGEND**
- PROPOSED BLUFF RESTORATION
 - ACCESS TO BEACH
 - SHEET PILE (PROPOSED)
 - SHEET PILE/STRUCTURE (EXISTING)
 - SHEET PILE/STRUCTURE TO BE REMOVED

ELDER/CENTENNIAL BEACH FEASIBILITY STUDY

PHASE 2 | CENTENNIAL OPTION 6 (WORKSHOP DRAFT - FOR DISCUSSION PURPOSES ONLY)

WINNETKA, ILLINOIS

SCALE: 1"=40'
0 20' 40' 80' NORTH
WORKSHOP DRAFT AUGUST 25, 2022

PROJECT TEAM:
SPACECO
CBEL
SHABICA

PREPARED FOR:
WINNETKA PARK DISTRICT

THE LAKOTA GROUP.
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Elder Lane + Centennial: Workshop Design Draft Options

Centennial Park + Beach:

OPTION 6:

Land Based

ELEMENT DESCRIPTION	UNIT PRICE	QTY.	TOTAL
Mobilization	\$ 600,000.00	1	\$ 600,000.00
Demo (Steel, fencing, wood piles)	\$ 90,000.00	1	\$ 90,000.00
Bluff Restoration	\$ 120,000.00	1	\$ 120,000.00
Sand Placement Mason Sand	\$ 45.00	12000	\$ 540,000.00
Paving of Parking Lot	\$ 6.00	6800	\$ 40,800.00
35 ton per foot breakwater	\$ 5,820.00	250	\$ 1,455,000.00
Steel Staircase Lump Sum	\$ 50,000.00	1	\$ 50,000.00
Steel Sheet Piling 30'	\$ 3,200.00	248	\$ 793,600.00
Concrete for ramp	\$ 100.00	1212	\$ 121,200.00
Access Roadway Stone w/Drainage (TBD)	\$ 250,000.00	1	\$ 250,000.00
Retaining Walls	\$ 120,000.00	1	\$ 120,000.00
Dog Gate (utilities)	\$ 25,000.00	1	\$ 25,000.00
ADA walkway and connection Lump Sum	\$ 300,000.00	1	\$ 300,000.00

TOTAL **\$ 4,505,600.00**

SOFT COSTS

(Engineering, plans/drawings, permit costs, etc.)

\$ 175,000.00

TOTAL **\$ 4,680,600.00**

The following plan concept was submitted by Chuck Dowding.

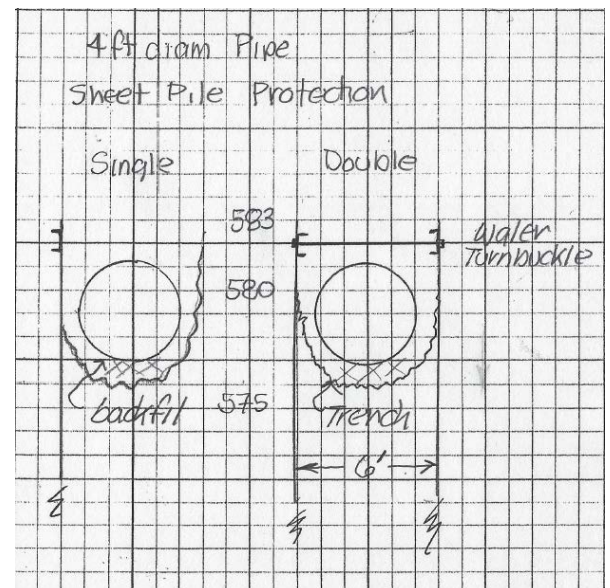
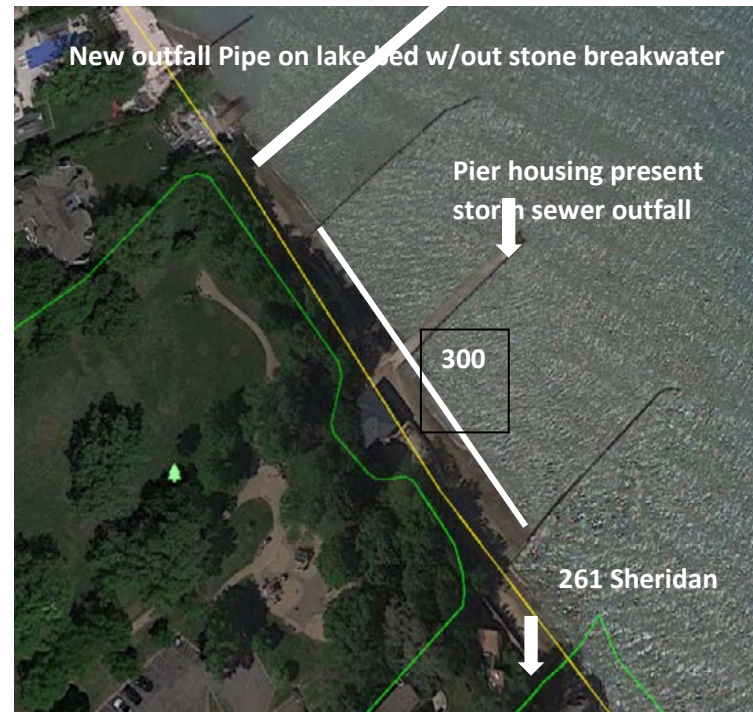
Elder Now Plan to produce swimmable beach without foreclosing options

Observations

I As a first step avoid use of stone breakwater by relying on the bluff stabilization devices now in place which withstood the last high lake level. With lake at its average level (580) there is less urgency than at Lloyd.

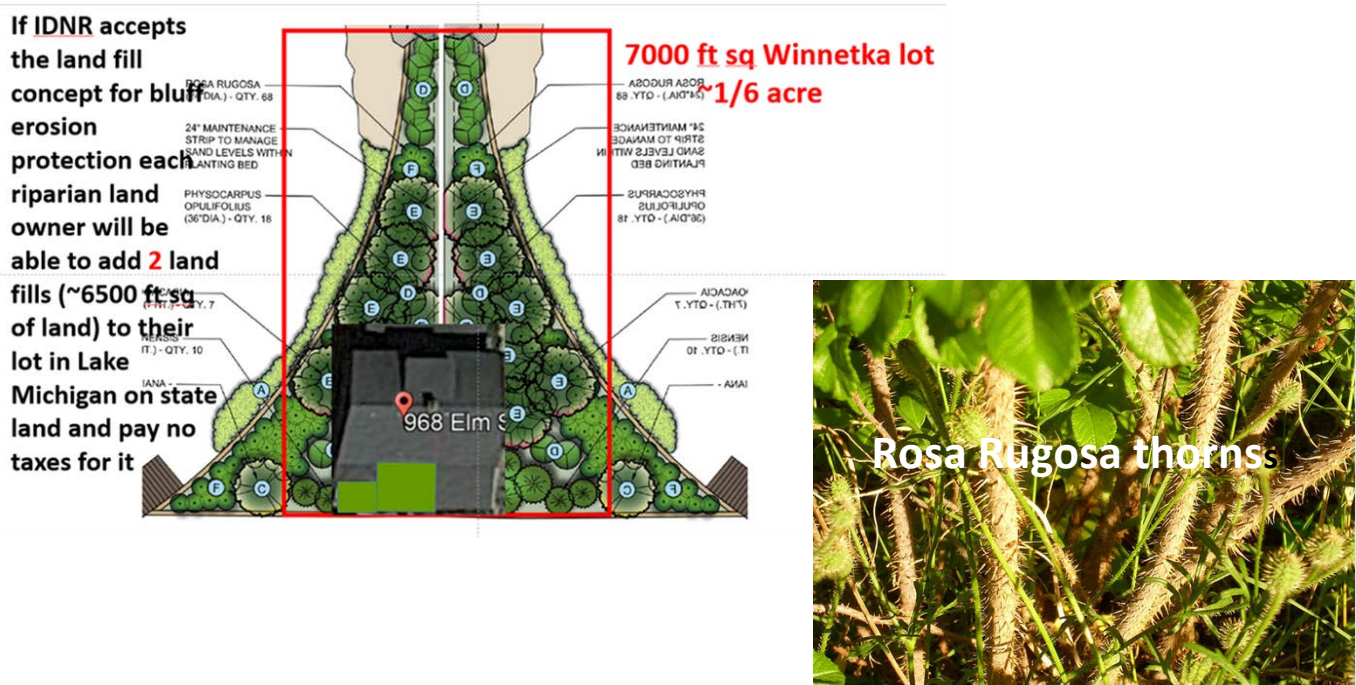
II Some/many feel that Lloyd has too much sand and the elevation 591 or even the proposed Elder 589, 300 foot long breakwater produce a 11 or 9 ft wall at the water's edge when at the average (and present) lake level of 580

- Leave in place sheet pile groin at boundary between Elder/261 (elevation ~ 583) at southern end of 300 feet on drawing to right
 - Preserves view south at average lake level of 580
 - Allows for modest addition of sand to enlarge Elder beach if necessary
 - Can be removed at later date if necessary
- Build pollution reduction devices for Village storm sewer outfall already designed by Burke
- Revisit outfall discharge design; Why diffuser?
- Replace present design of two, 3 ft diameter storm water pipes with one 4 ft diameter pipe. This 4 footer provides 14% additional capacity compared to the 3 ft and 2.25 ft Village pipes coming to Elder.
- In surf zone, encase outfall pipe in sheet pile protection with maximum height of sheet piles equal to present groin height of 583. See drawing on right
- Beyond surf zone bury pipe in clay trench
 - 200 ft out as presently planned or
 - 350 ft to extend to deeper water for greater dilution and long shore drift flow
- Demolish pier housing present outfall pipe in middle of beach
- Build ramp in such a manner to take advantage of the new north sheet pile groin that encases/protects the outfall pipe.
- Now have some 400 ft beach to repurpose according to new post Lloyd use patterns
- Add beach sand if necessary
- Go swimming
- Continue negotiating with Ishbia
- Add stone breakwater if necessary



Landfills masquerading as planter pockets to enable vegetation barriers

I appreciate that the Winnetka Park District is trying to increase beach access by rejuvenating Elder-Centennial parks. Unfortunately by including large landfills (mischaracterized as planter pockets), the WPD is inadvertently decreasing beach access along 64 miles of Illinois beaches for many more people for a very long time. If IDNR accepts the landfills shown below, all riparian land owners along 64 miles of Illinois Lake Michigan beach will be able to employ vegetation to deny access to public beach. Rosa Rugosa, a dense thorny rose bush shown below, will physically block access. In addition each riparian land owner will be given the ability to fill in approximately some 6500 ft sq (~ 1/6 acre) of Lake Michigan and probably pay no taxes on that new land. The illustration below compares two Centennial landfills associated with the July workshop plan with the foot print of my house.



No other bluff erosion protection structure in Illinois has vertical planter boxes on beach or fence on top of erosion protection