

Special Board Meeting: Lakefront Workshop

Elder + Centennial Workshop August 25, 2022

Winnetka Waterfront 2030 Recap

The Winnetka Waterfront 2030 plan provides a future roadmap and action strategy for the Winnetka Park District to act upon their community role as steward of this environmental and recreational asset. As steward of the community's beaches and bluffs, it is the Park District's role to manage, protect, and enhance one of the Village's most important physical and environmental assets for current and future generations of Winnetkans.



Winnetka Waterfront 2030: Support along the way

- The Winnetka Waterfront 2030 Lakefront Master Plan was supported and created by \$119,000 matching grant awarded in April, 2014 by the Illinois Department of Natural Resource (IDNR) Illinois Coastal Grants Program.
- This State grant was further expanded to support Master Plan initiatives for bluff stabilization and a natural system restoration at all five lakefront parks as identified in the 2016 grant for Bluff Land Restoration Planning through the IDNR Coastal Management Program. A matching grant of \$60,000 was awarded for that planning.

Winnetka Waterfront 2030: Support along the way cont.

- The Plan was further recognized by the American Planning Association – Illinois Chapter, which awarded the Winnetka Waterfront 2030 a 2016 Illinois State Planning Award, noting that the Lakefront Master Plan's "... planning effort exemplifies the practice of urban planning and stands as an example of way members are 'Making Great Communities Happen'."
- The recognition and financial support serves as testimony to the agency's and planning community's commitment to community-based environmental master plan and implementation strategies.

Winnetka Waterfront 2030: Lakefront Plan Mission

Park District board of commissioners and staff continues to be committed to, and stay true to, the Lakefront Master Plan. The board and staff will execute elements of the Lakefront Master Plan, which was created through very significant community input and participation to specifically provide clear, actionable, and realistically achievable long-term investment strategies and goals in:

- Shoreline stabilization and protection of active and passive beach enjoyment and recreational pursuits
- Bluff environments stabilization and restoration for both passive and active enjoyment
- Accessibility for all ages and physical abilities
- Efficient and long-term best practice and sustainable infrastructure systems
- Efficient management, maintenance, and programming of lakefront and park areas
- Cost-effective solutions and public-private partnerships

Winnetka Waterfront 2030: Design Elements

Each element of each design concept presented tonight have been aligned with these goals, which have been summarized as follows:

- A. Stabilization and protection of natural systems
- B. Access
- C. Efficient, long-term infrastructure
- D. Efficient management, maintenance, and programming
- E. Cost-effective / Partnerships

Elder + Centennial Concept: Design Elements

As discussed, the Park Board and Staff have heard from the community to be mindful of the following items when considering the next versions of the Elder and Centennial designs:

- No louvered walls
- No planting pockets and/or Large Plantings (tree' s, shrubs, etc.)
- Minimize the approach where possible (lower stone and steel when possible)
- Provide budget cost estimates
- No ancillary agreements
- WPD to be sole permittee
- Keep open views and vistas of the Lake
- Provide Lake Access (north & south)
- Improve stormwater quality

Elder + Centennial Concept: Phased Approach

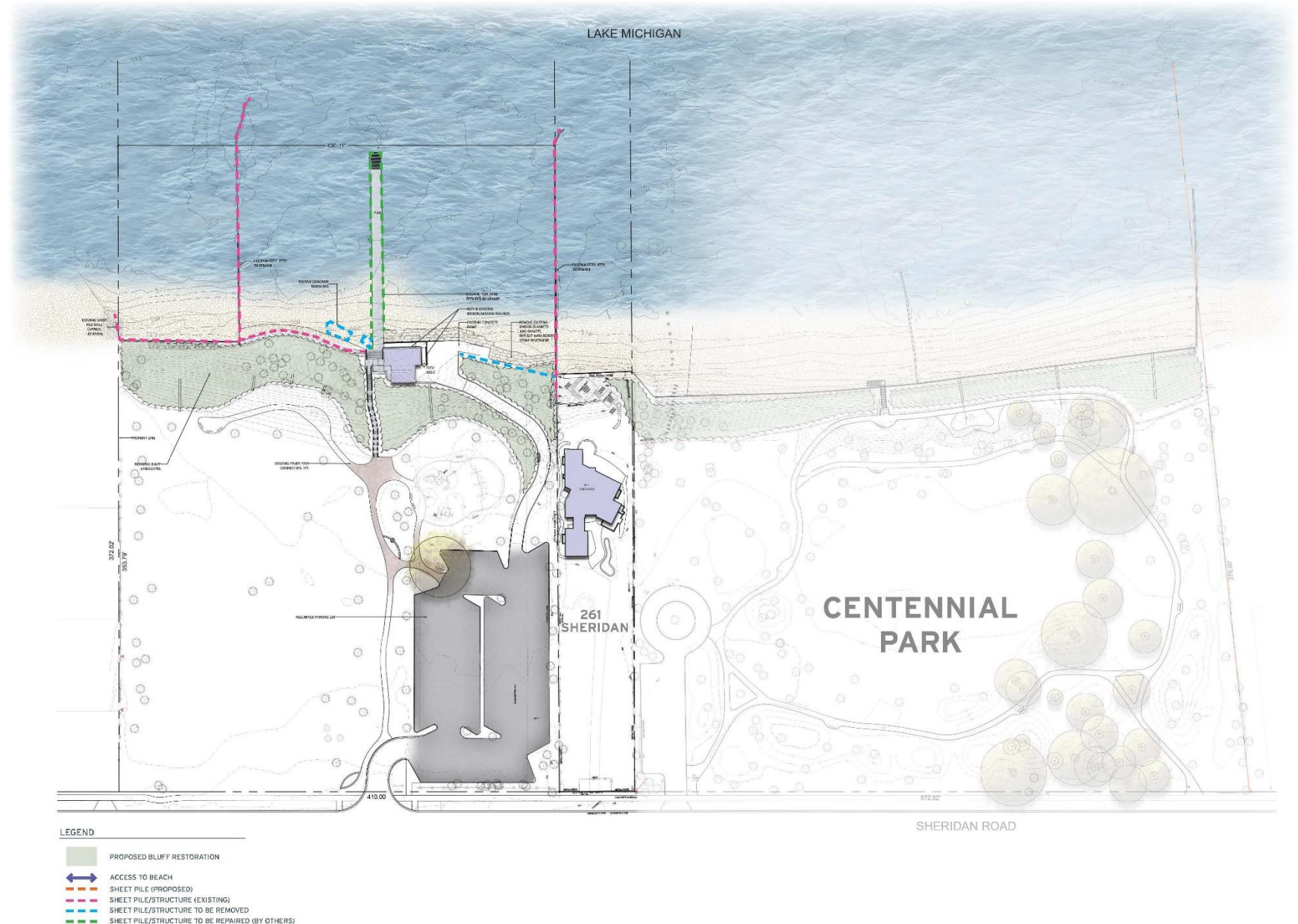
Staffs objective is to make sure that we can continue to progress towards a plan of both Elder and Centennial Park and beaches that will work in a magnitude of different scenarios. Whether the designs are to be completed independent of one another, or as part of a large single system and with or without the completion of the 261 Sheridan Road property exchange.

- Phase 1: three (3) versions of Elder Park and Beach (Options 1-3)
- Phase 2: six (6) versions of Centennial Park and Beach (Options 1-6)
- All cost estimates are presented as land based construction and do not include soft costs or any contingency.

Elder Option 1

- Removal of damaged concrete/gabion baskets
- Buried Stone Revetment
- Bluff Restoration
- Sand Placement
- Parking Lot re-paving
- Repair of existing pier (by others)

Estimate Cost: \$1,517,524



ELDER/CENTENNIAL BEACH FEASIBILITY STUDY

PHASE 1 | ELDER OPTION 1 (WORKSHOP DRAFT - FOR DISCUSSION PURPOSES ONLY)

WINNETKA, ILLINOIS

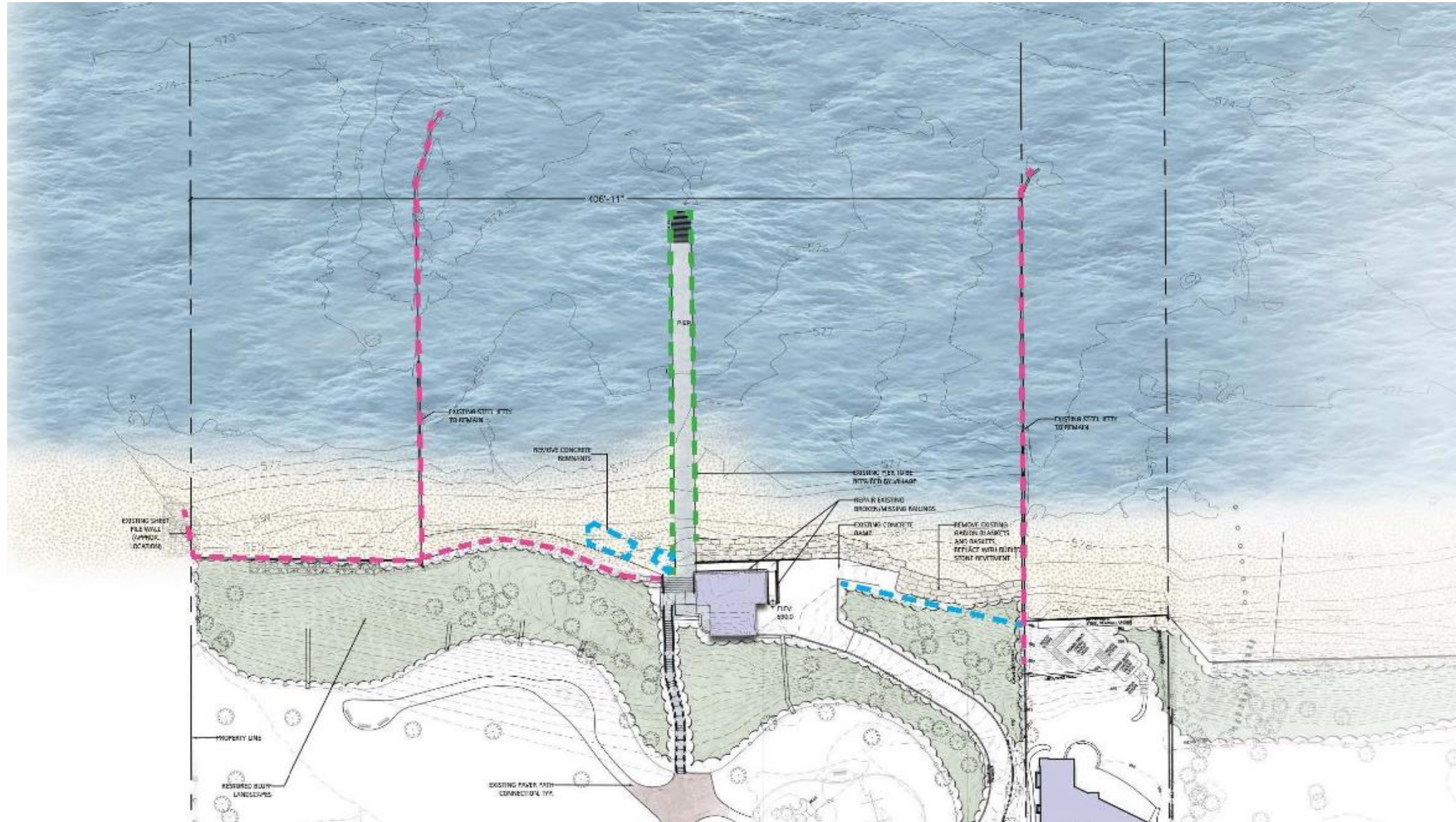
SCALE: 1"=40'
WORKSHOP DRAFT AUGUST 25, 2022

PROJECT TEAM:
S-SPACE
CBREL
S-ABICA

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Elder Option 1



Elder Option 1

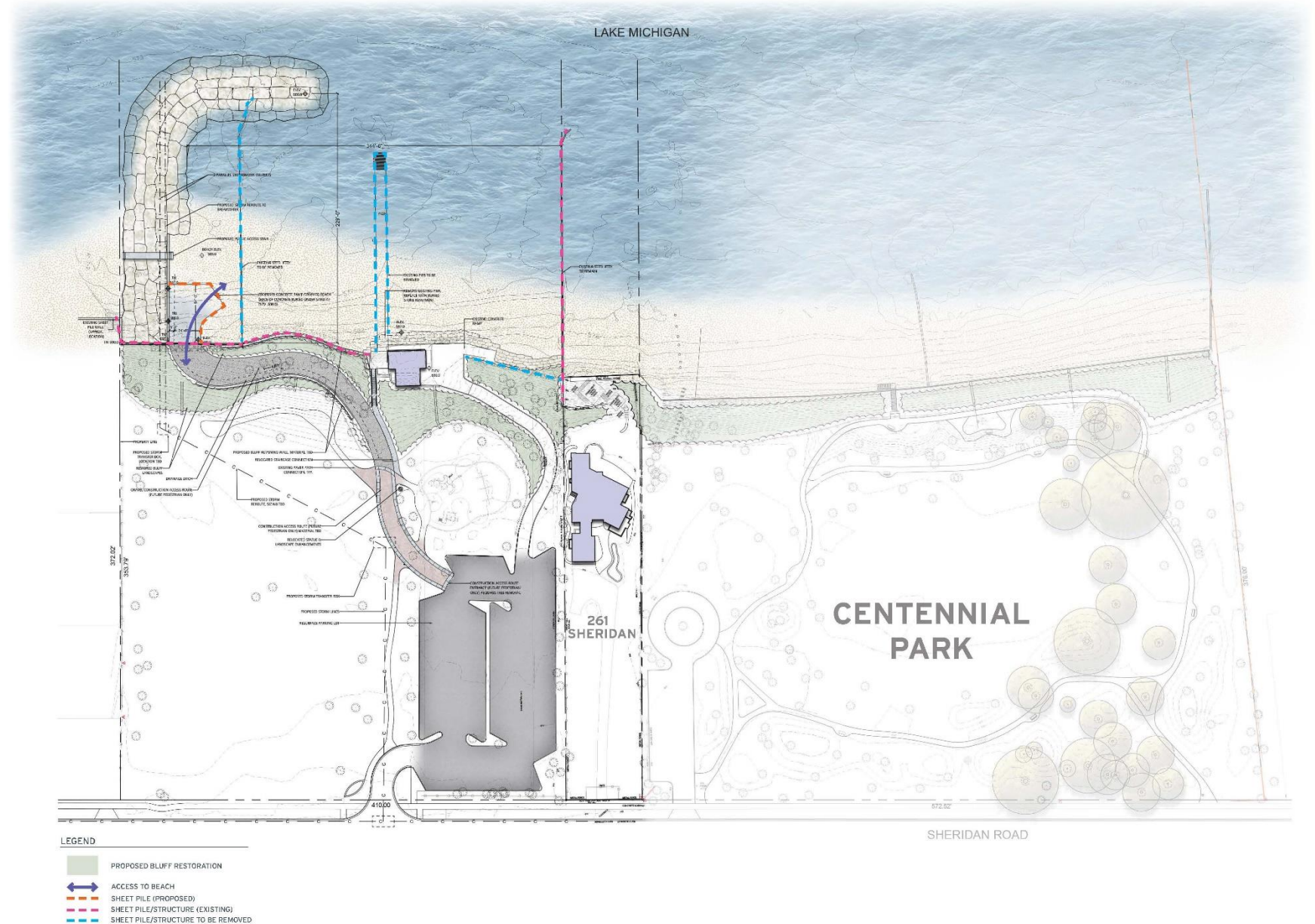
Phase 1 - Elder Lane Beach – Design Option 1: Baseline Asset Upkeep Plan

- Existing targeted shoreline structure restoration, replacement, or removal (Goal A.)
- Bluff land natural system restoration, stabilization, and viewshed improvements (Goal A.)
- Visual access improvements (Goal B.)
- Repair and restoration, or, if necessary, removal of the existing Village pier (Goal C.)
- Reduced bluff vegetative management costs and repairs (Goal D.)
- Village of Winnetka cost participation in restoration of existing pier (Goal E.)

Elder Option 2

- Removal of damaged concrete/gabion baskets/pier
- Relocated storm sewer
- Buried Stone Revetment
- Stone Breakwater
- Natural Stone Steps (north)
- Steel Sheet Piling
- Concrete access ramp
- Stone access ramp
- Retaining walls
- Bluff Restoration
- Sand Placement
- Parking Lot re-paving

Estimate Cost: \$5,910,524



ELDER/CENTENNIAL BEACH FEASIBILITY STUDY

PHASE 1 | ELDER OPTION 2 (WORKSHOP DRAFT - FOR DISCUSSION PURPOSES ONLY)

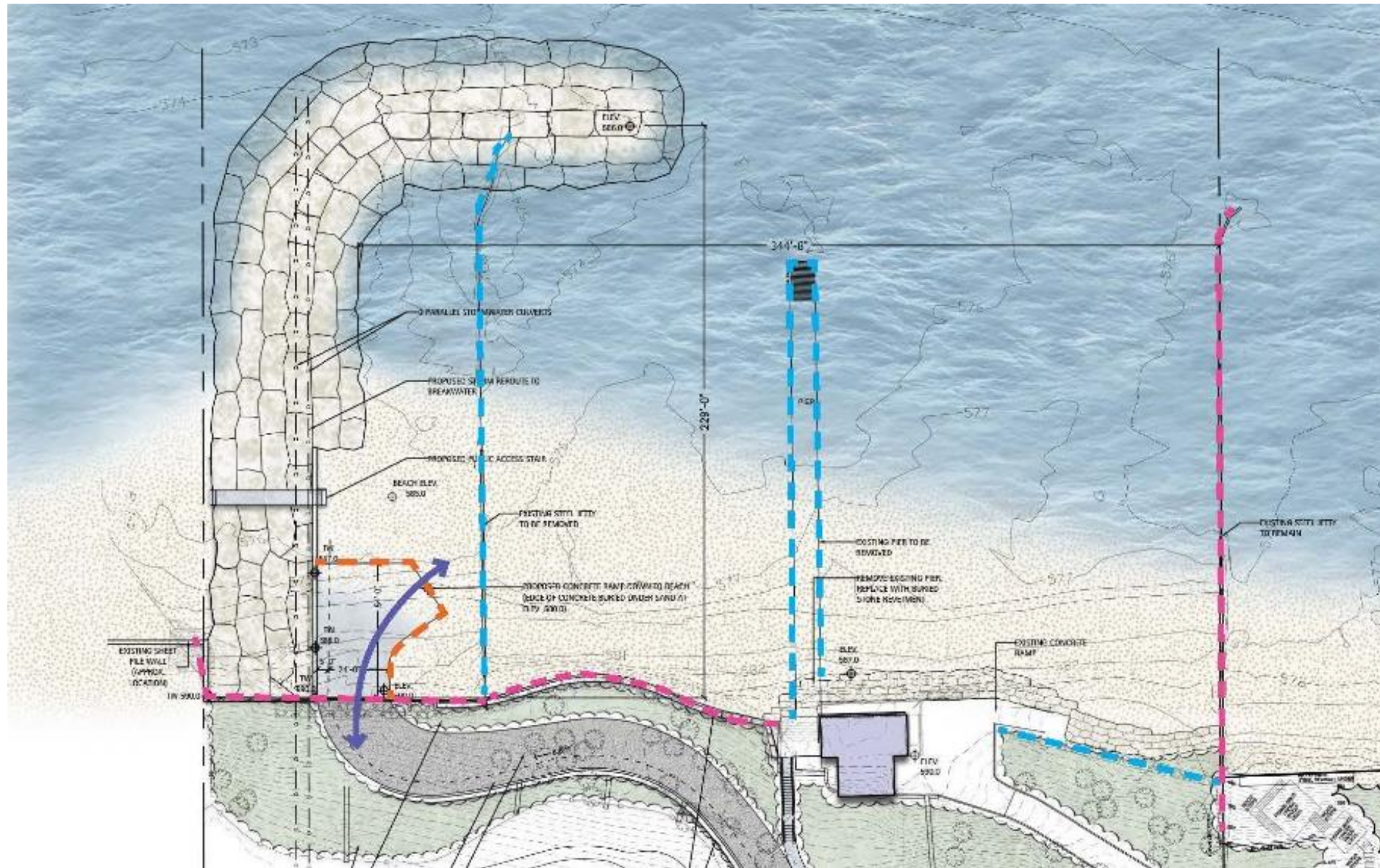
WINNETKA, ILLINOIS

SCALE: 1"=40'
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Elder Option 2

Phase 1 - Elder Lane Beach – Design Option 2: Core Lakefront Plan

- Implementation of Lakefront Master Plan suggested shoreline/bluff long-term stabilization strategies (Goal A.)
- New beach restoration and creation (Goal A.)
- Natural and constructed bluff stabilization strategies (Goal A.)
- Removal of miscellaneous deteriorated shoreline structures allowing for clear unimpeded lakefront beach opportunities (Goal B.)
- Permanent beachfront construction and maintenance access drive (Goal B.)
- Integrated beachfront stair access at revetments (Goal B.)

Elder Option 2 cont.

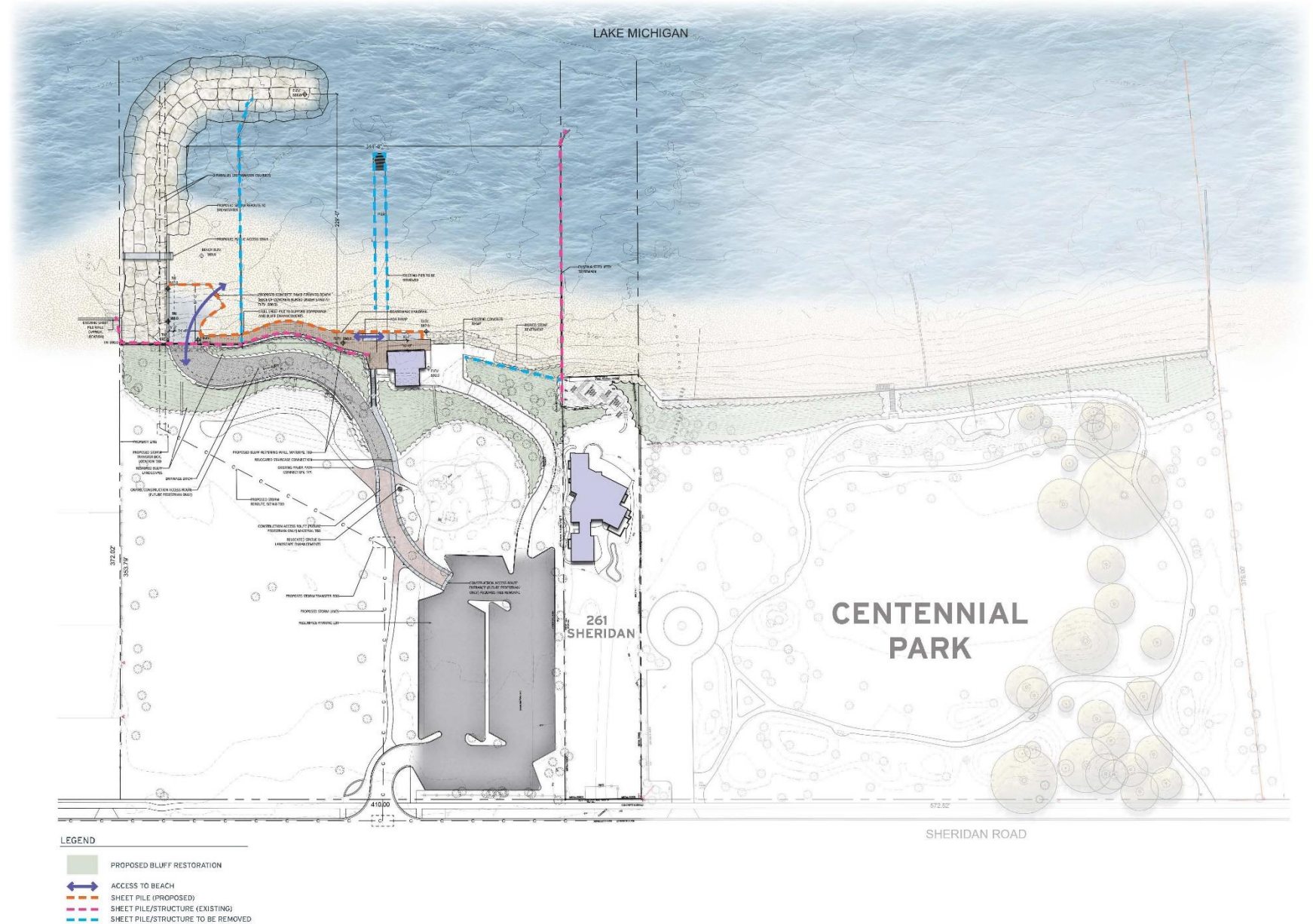
Phase 1 - Elder Lane Beach – Design Option 2: Core Lakefront Plan

- Visual access improvements (Goal B.)
- Implementation of new, long-term best practice stormwater infrastructure improvements (Goal C.)
- Permanent beachfront construction and maintenance access drive (Goal D.)
- Enhanced vehicular and pedestrian use area improvements (Goal D.)
- Improved beachfront passive and active recreation programming and use (Goal D.)
- Village of Winnetka participation in long-term stormwater infrastructure improvements (Goal E.)

Elder Option 3

- Removal of damaged concrete/gabion baskets/pier
- Relocated storm sewer
- Buried Stone Revetment
- Stone Breakwater
- Natural Stone Steps (north)
- Steel Sheet Piling
- Concrete access ramp
- Stone access ramp
- Retaining walls
- Bluff Restoration
- Sand Placement
- Parking Lot re-paving
- Elevated Ipe Boardwalk

Estimate Cost: \$7,198,024



ELDER/CENTENNIAL BEACH FEASIBILITY STUDY

PHASE 1 | ELDER OPTION 3 (WORKSHOP DRAFT - FOR DISCUSSION PURPOSES ONLY)

WINNETKA, ILLINOIS

SCALE: 1"=40'
NORTH

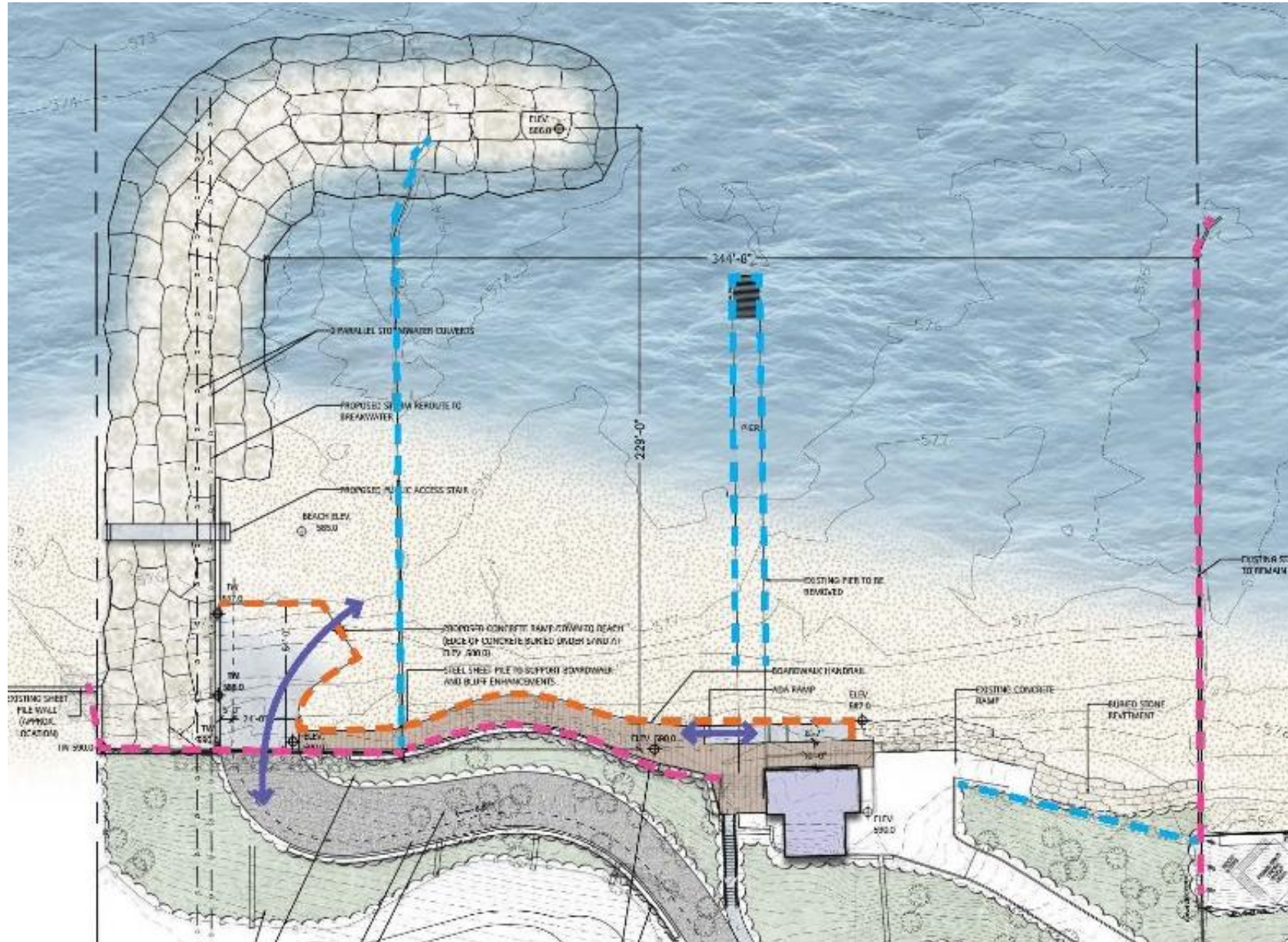
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Elder Option 3



Elder Option 3

Phase 1 - Elder Lane Beach - Design Option 3: Core Lakefront Plan + Boardwalk

- Implementation of Lakefront Master Plan suggested shoreline/bluff long-term stabilization strategies (Goal A.)
- New beach restoration and creation (Goal A.)
- Natural and constructed bluff stabilization strategies (Goal A.)
- Removal of miscellaneous deteriorated shoreline structures allowing for clear unimpeded lakefront beach opportunities (Goal B.)
- Permanent beachfront construction and maintenance access drive (Goal B.)
- Integrated beachfront stair access at revetments (Goal B.)
- Visual access improvements (Goal B.)

Elder Option 3 cont.

Phase 1 - Elder Lane Beach - Design Option 3: Core Lakefront Plan + Boardwalk

- Implementation of accessible partial Lakefront Master Plan beachfront boardwalk system (Goal B.)
- Implementation of new long-term best practice stormwater infrastructure improvements (Goal C.)
- Permanent beachfront construction and maintenance access drive (Goal D.)
- Enhanced vehicular and pedestrian use area improvements (Goal D.)
- Improved beachfront passive and active recreation programming and use (Goal D.)
- New boardwalk enhanced programming and visual access opportunities (Goal D.)
- Village of Winnetka participation in long-term stormwater infrastructure improvements (Goal E.)

Centennial Option 1

- Removal of fencing and wood
- Bluff Restoration
- Parking Lot re-paving
- Extend Stairs

Estimate Cost: \$212,800.00



ELDER/CENTENNIAL BEACH FEASIBILITY STUDY

PHASE 2 | CENTENNIAL OPTION 1 (WORKSHOP DRAFT - FOR DISCUSSION PURPOSES ONLY)

WINNETKA, ILLINOIS

SCALE: 1"=40'

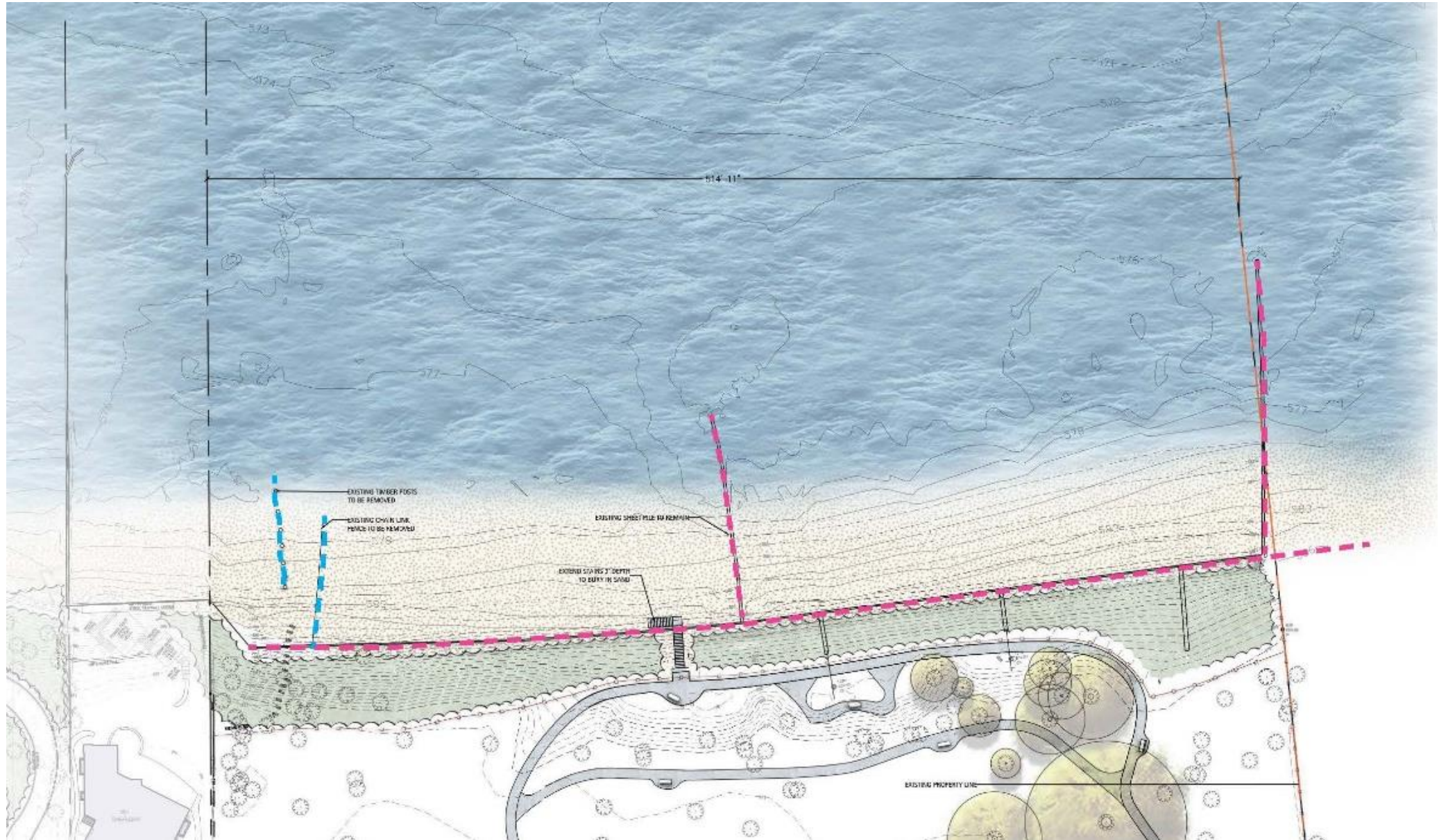
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Centennial Option 1



Centennial Option 1

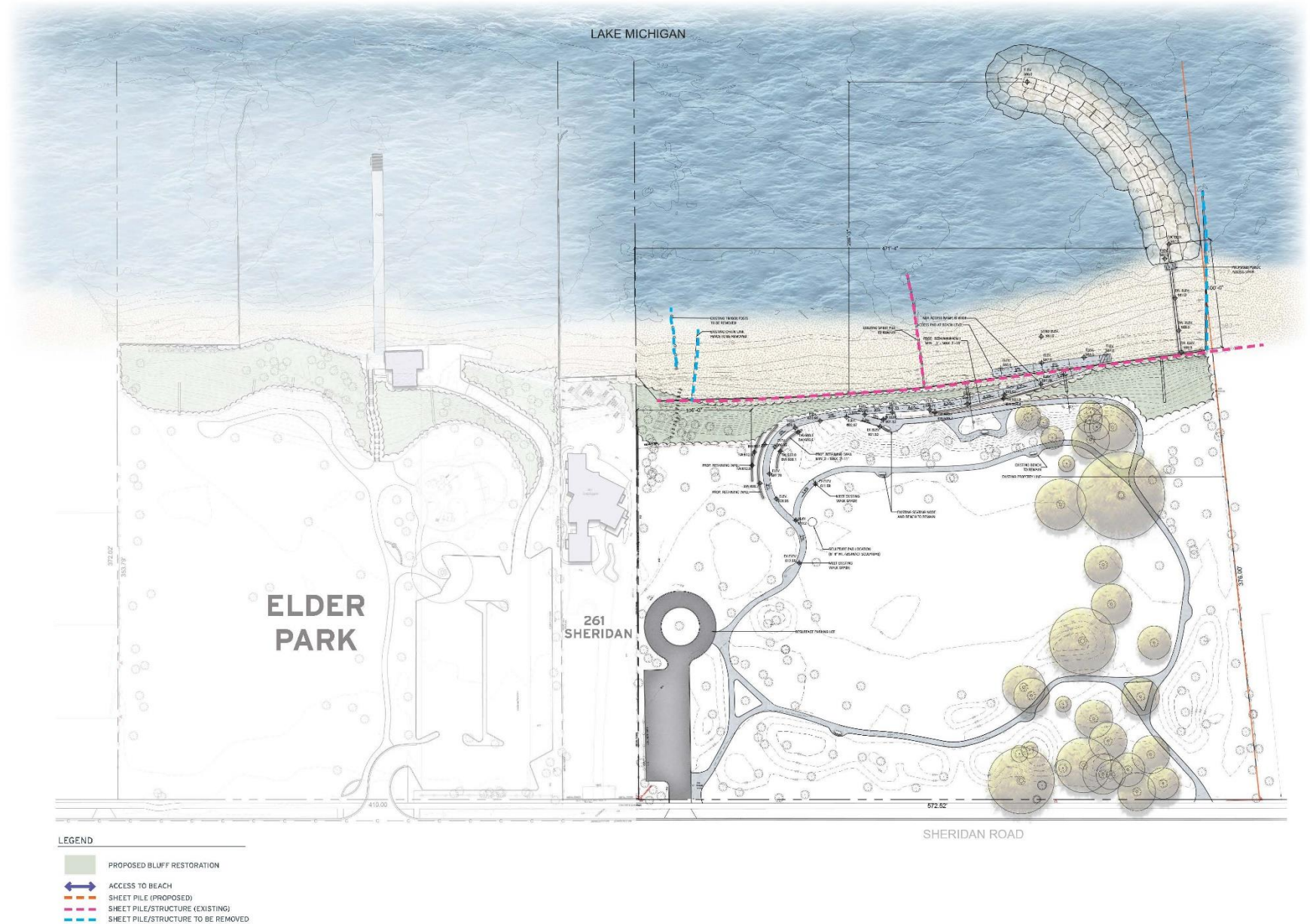
Phase 2 - Centennial Beach – Design Option 1: Baseline Asset Upkeep Plan

- Existing targeted shoreline structure removals (Goal A.)
- Bluff land natural system restoration, stabilization, and viewshed improvements (Goal A.)
- Visual access improvements (Goal B.)
- Reduced bluff vegetative management costs and repairs (Goal D.)

Centennial Option 2

- Removal of fencing, wood, stairs, steel groin
- Bluff Restoration
- Sand Placement
- Parking Lot re-paving
- Stone/Steel Breakwater
- Beach access stairs and ramp
- ADA walkway
- Retaining Walls
- Steel access stairs (south)
- Construction access (TBD)

Estimate Cost: \$4,386,600



ELDER/CENTENNIAL BEACH FEASIBILITY STUDY

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

WINNETKA, ILLINOIS

SCALE: 1"=40'
NORTH
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PROJECT TEAM:
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C-BELL
S-ABICA

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Centennial Option 2



Centennial Option 2

Phase 2 - Centennial Beach – Design Option 2: Core Lakefront Plan South Steel (assumes the Property Exchange is not completed)

- Implementation of Lakefront Master Plan suggested shoreline/bluff long-term stabilization strategies inclusive of stone and steel sheet pile combination southern breakwall. (Goal A.)
- New beach restoration and creation (Goal A.)
- Natural and constructed bluff stabilization strategies (Goal A.)
- Removal of miscellaneous deteriorated shoreline structures allowing for clear unimpeded lakefront beach opportunities (Goal B.)

Centennial Option 2 cont.

Phase 2 - Centennial Beach – Design Option 2: Core Lakefront Plan South Steel (assumes the Property Exchange is not completed)

- Development of fully accessible (ADA) access path to beach and existing parkland path improvements (Goal B.)
- Integrated beachfront stair access at revetments (Goal B.)
- Visual access improvements (Goal B.)
- Improved beachfront passive and active recreation programming and use (Goal D.)
- Cost savings through reduced revetment stone usage (Goal E.)

Centennial Option 3

- Removal of fencing, wood, stairs, steel groin
- Bluff Restoration
- Sand Placement
- Parking Lot re-paving
- Stone Breakwater
- Beach access stairs and ramp
- ADA walkway
- Retaining Walls
- Natural stone steps (south)
- Construction access (TBD)

Estimate Cost: \$4,563,600



ELDER/CENTENNIAL BEACH FEASIBILITY STUDY

PHASE 2 | CENTENNIAL OPTION 3 (WORKSHOP DRAFT - FOR DISCUSSION PURPOSES ONLY)

WINNETKA, ILLINOIS

SCALE: 1"=40'
NORTH
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Centennial Option 3



Centennial Option 3

Phase 2 - Centennial Beach – Design Option 3: Core Lakefront Plan South Stone (assumes the Property Exchange is not completed)

- Implementation of Lakefront Master Plan suggested shoreline/bluff long-term stabilization strategies inclusive of all stone southern breakwall. (Goal A.)
- New beach restoration and creation (Goal A.)
- Natural and constructed bluff stabilization strategies (Goal A.)
- Removal of miscellaneous deteriorated shoreline structures allowing for clear, unimpeded lakefront beach opportunities (Goal B.)

Centennial Option 3 cont.

Phase 2 - Centennial Beach – Design Option 3: Core Lakefront Plan South Stone (assumes the Property Exchange is not completed)

- Development of fully accessible (ADA) access path to beach and existing parkland path improvements (Goal B.)
- Integrated beachfront stair access at revetments (Goal B.)
- Visual access improvements (Goal B.)
- Improved beachfront passive and active recreation programming and use (Goal D.)

Centennial Option 4

- Removal of fencing, wood, stairs, steel groin
- Bluff Restoration
- Sand Placement
- Parking Lot re-paving
- Stone/Steel Breakwater
- Beach access stairs and ramp
- ADA walkway
- Retaining Walls
- Steel beach access stairs (park)
- Park Improvements (if property exchange is completed)
- Construction access (TBD)

Estimate Cost: \$4,471,600



ELDER/CENTENNIAL BEACH FEASIBILITY STUDY

PHASE 2 | CENTENNIAL OPTION 4 (WORKSHOP DRAFT - FOR DISCUSSION PURPOSES ONLY)

WINNETKA, ILLINOIS

SCALE: 1"=40'

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CBREL
S-ABICA

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Centennial Option 4

Phase 2 - Centennial Beach – Design Option 4: Core Plus Plan South Steel (assumes the Property Exchange is completed)

- Implementation of Lakefront Master Plan suggested shoreline/bluff long-term stabilization strategies inclusive of stone and steel sheet pile combination southern breakwall constructed approximately 70' north of south property line (Goal A.)
- New beach restoration and creation (Goal A.)
- Natural and constructed bluff stabilization strategies (Goal A.)
- Removal of miscellaneous deteriorated shoreline structures allowing for clear unimpeded lakefront beach opportunities (Goal B.)

Centennial Option 4 cont.

Phase 2 - Centennial Beach – Design Option 4: Core Plus Plan South Steel (assumes the Property Exchange is completed)

- Development of fully accessible (ADA) access path to beach and existing parkland path improvements (Goal B.)
- Integrated beachfront stair access at revetments (Goal B.)
- Visual access improvements (Goal B.)
- Improved beachfront passive and active recreation programming and use (Goal D.)
- Cost savings through reduced revetment stone usage (Goal E.)

Centennial Option 5

- Removal of fencing, wood, stairs, steel groin
- Bluff Restoration
- Sand Placement
- Parking Lot re-paving
- Stone Breakwater
- Beach access stairs and ramp
- ADA walkway
- Retaining Walls
- Steel beach access stairs (park)
- Park Improvements (if property exchange is completed)
- Construction access (TBD)

Estimate Cost: \$4,708,600



ELDER/CENTENNIAL BEACH FEASIBILITY STUDY

PHASE 2 | CENTENNIAL OPTION 5 (WORKSHOP DRAFT - FOR DISCUSSION PURPOSES ONLY)

WINNETKA, ILLINOIS

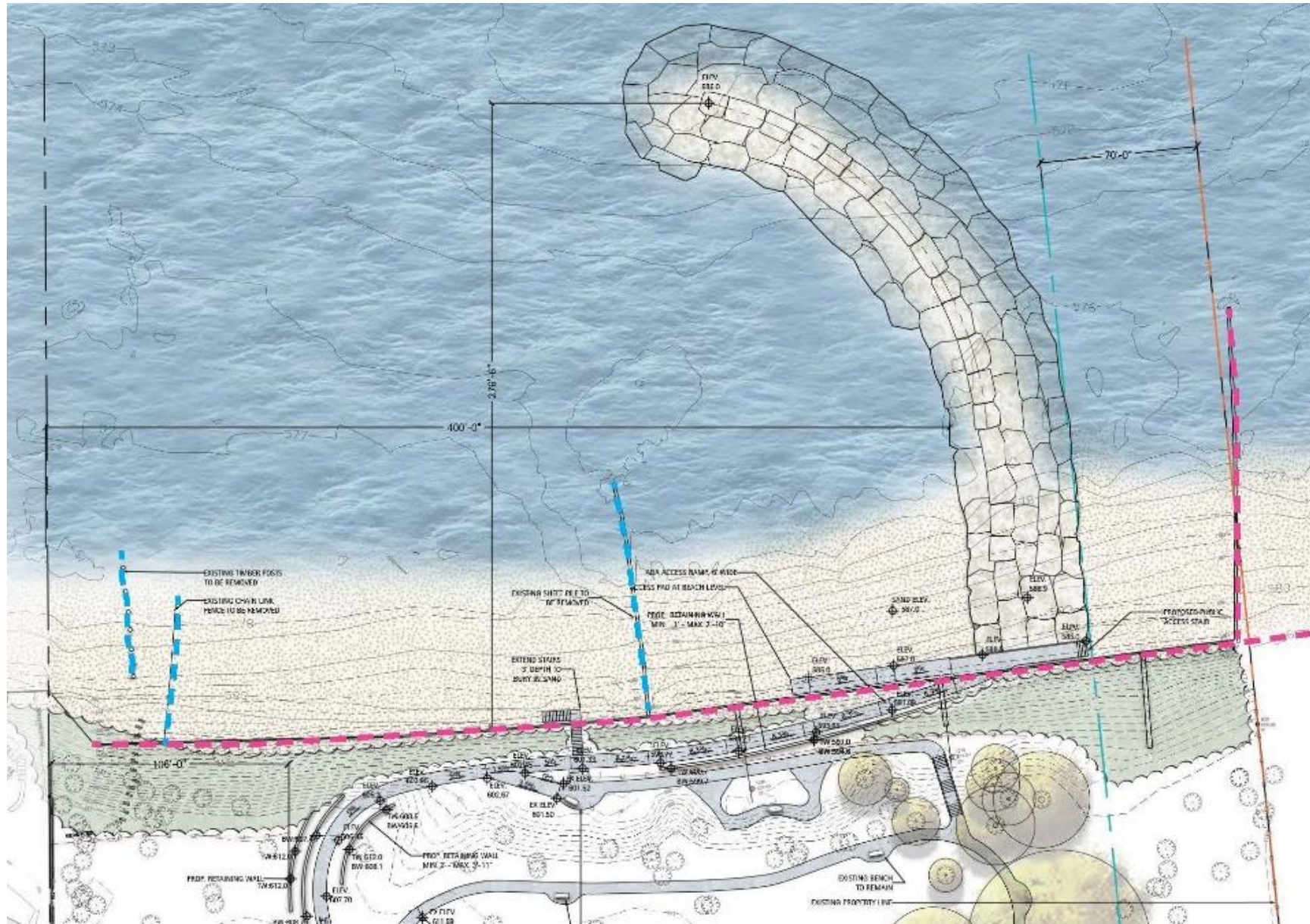
SCALE: 1"=40'

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Centennial Option 5

Phase 2 - Centennial Beach - Design Option 5: Core Plus Plan Stone (assumes the Property Exchange is completed)

- Implementation of Lakefront Master Plan suggested shoreline/bluff long-term stabilization strategies inclusive of all stone southern breakwall, constructed approximately 70' north of south property line (Goal A.)
- New beach restoration and creation (Goal A.)
- Natural and constructed bluff stabilization strategies (Goal A.)
- Removal of miscellaneous deteriorated shoreline structures allowing for clear unimpeded lakefront beach opportunities (Goal B.)

Centennial Option 5 cont.

Phase 2 - Centennial Beach - Design Option 5: Core Plus Plan Stone (assumes the Property Exchange is completed)

- Development of fully accessible (ADA) access path to beach and existing parkland path improvements (Goal B.)
- Integrated beachfront stair access at revetments (Goal B.)
- Visual access improvements (Goal B.)
- Improved beachfront passive and active recreation programming and use (Goal D.)

Centennial Option 6

- Removal of fencing, wood, stairs, steel groin
- Bluff Restoration
- Sand Placement
- Parking Lot re-paving
- Stone Breakwater
- Beach access stairs and ramp (including dog gates)
- ADA walkway
- Retaining Walls
- Dog Park Fencing (TBD)
- Construction access (TBD)

Estimate Cost: \$4,505,600



Centennial Option 6



Centennial Option 6

Phase 2 - Centennial Beach – Design Option 6: Core Plus Plan + Dog Beach (assumes the Property Exchange is not completed, but could be completed)

- Implementation of Lakefront Master Plan suggested shoreline/bluff long-term stabilization strategies inclusive of stone and steel sheet pile combination southern breakwall, constructed approximately 135' north of south property line (Goal A.)
- New Beach restoration and creation (Goal A.)
- Natural and constructed bluff stabilization strategies (Goal A.)
- Removal of miscellaneous deteriorated shoreline structures allowing for clear unimpeded lakefront beach opportunities (Goal B.)
- Development of fully accessible (ADA) access path to beach and existing parkland path improvements (Goal B.)

Centennial Option 6 cont.

Phase 2 - Centennial Beach – Design Option 6: Core Plus Plan + Dog Beach (assumes the Property Exchange is not completed, but could be completed)

- Integrated Beachfront stair access at revetments (Goal B.)
- Integrated controlled access to south dog beach area (Goal B.)
- Visual Access improvements (Goal B.)
- Improved beachfront passive and active recreation programming and use (Goal D.)
- Accommodation for controlled southern Dog Beach programming and use (Goal D.)
- Cost savings through reduced revetment stone usage (Goal E.)
- Additional revenue generation through annual dog beach passes (Goal E.)

Questions?