



AGENDA
CITY OF CHARLEVOIX CITY COUNCIL SPECIAL MEETING
Tuesday, March 30, 2021- 11:00 AM
Council Chambers, 210 State Street, Charlevoix, MI

- 1. Pledge of Allegiance**
 - A. Zoom Instructions
- 2. Roll Call**
- 3. Inquiry Regarding Conflicts of Interest**
- 4. All Other Actions and Requests**
 - A. Michigan Beach Recreation Passport Grant
 - B. Michigan Waterways Grant Update
- 5. Adjourn**

The City of Charlevoix will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio tapes of printed materials being considered at the meeting, to individuals with disabilities at the meeting upon one weeks' notice to the City of Charlevoix. Individuals with disabilities requiring auxiliary aids or services should contact the City of Charlevoix Clerk's Office in writing or calling the following: City Clerk, 210 State Street, Charlevoix, MI 49720 (231) 547-3250.

CHARLEVOIX CITY COUNCIL

Pledge of Allegiance

TITLE: Zoom Instructions

DATE: March 30, 2021

BACKGROUND:

Topic: Special City Council Meeting

Time: Mar 30, 2021 11:00 AM

Join Zoom Meeting

<https://zoom.us/j/97081493503?pwd=bnB4OTBGUzViTE1BY3Y4K04xWjdkdz09>

Meeting ID: 970 8149 3503

Passcode: 604224

One tap mobile

+16465588656,,97081493503#,,, *604224# US (New York)

Dial by your location +1 312 626 6799 US (Chicago)

Meeting ID: 970 8149 3503

Passcode: 604224

CHARLEVOIX CITY COUNCIL

All Other Actions and Requests

TITLE: Michigan Beach Recreation Passport Grant

DATE: March 30, 2021

PRESENTED BY: Kent Knorr, Recreation Director

BACKGROUND:

Edgewater Resources, upon completion of the Michigan Beach Park Master Plan and at the direction of the City Council, applied for a Michigan Recreation Passport Grant in April 2018 and again in 2019.

The Passport Grant is a highly competitive grant process. We actually did well in both years, but just below the cut off for accepted grants. We saw an increase in scoring the second year. We finished first "off" the list of accepted projects.

Upon review of the Passport Grant guidelines, the Recreation Department would like to again apply for this grant.

At the Direction of City Council, Edgewater Resources completed a study of the Michigan Park Master Plan which was adopted in 2018. All intended improvements that we are applying for are included in this plan.

Included in our current application are the following:

- Proposed Parking improvements including 2 paved ADA spaces
- Proposed construction of pedestrian and bike path the length of the park
- Proposed ADA Access Trail and Overlook
- Proposed Install of 3 Rain Gardens
- Proposed connectors to existing sidewalks

Our current application will emphasize other improvements made at Michigan Beach Park since 2018 as well as the impact that these proposed improvements will have on both pedestrian and vehicular safety.

By adopting the attached resolution the City will be applying for a grant from the DNR to fund this project with a required match of \$48,500.

RECOMMENDATION:

Motion to approve Resolution 2021-03-03 to authorize the City Manager to file the Grant Application with the Michigan Department of Natural Resources and direct the City Manager to modify the 2021 Capital Improvement Plan accordingly.

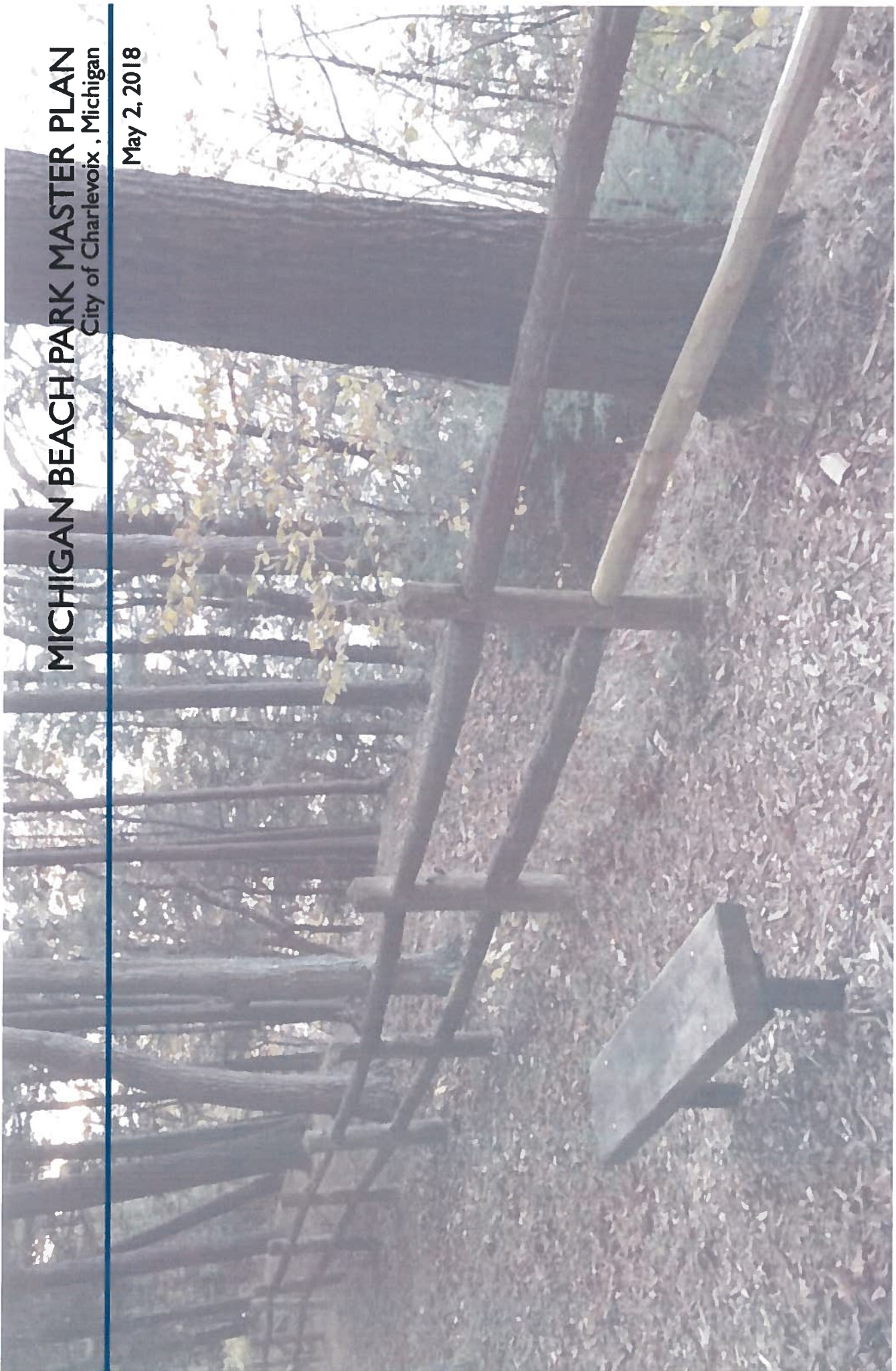
ATTACHMENTS:

- ❑ Michigan Beach Master Plan
- ❑ Michigan Beach Concept Drawing
- ❑ Resolution

MICHIGAN BEACH PARK MASTER PLAN

City of Charlevoix , Michigan

May 2, 2018





Prepared for:

The City of Charlevoix
210 State Street
Charlevoix, MI 49720

Prepared by:



Edgewater Resources, LLC
518 Broad Street, Suite 200
St. Joseph, MI 49085

ACKNOWLEDGEMENTS

Mayor

Luther Kurtz

Charlevoix City Council

Aaron Hagen, Ward 1
Janet Kalbfell, Ward 1
Leon Perron, Ward 2
Tom Oleksy, Ward 2
Shane Cole, Ward 3
Greg Bryan, Ward 3

City Manager

Mark Heydlauff

Shade Tree Commission

Perry Irish Hodgson
Ken Polakowski
John Campbell

Recreation Department

Kent Knorr, Director

Department of Public Works

Pat Elliott, Superintendent

Police Department

Gerard Doan, Chief of Police

Historical Society

David Miles

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INTRODUCTION

PROJECT LOCATION



INTRODUCTION

PLAN PURPOSE

In 2017, the City of Charlevoix updated its Five-Year Recreation Master Plan as a guide to help prioritize improvements for existing recreation facilities and development of new recreation opportunities. Taking a proactive approach, the City looked at park development opportunities along Michigan Beach Park where general deterioration of site features such as beach stairs and benches has resulted in decreased site access and safety concerns.

A planning and design firm, Edgewater Resources of St. Joseph, Michigan, was tasked with Master Planning services to determine the best use of this public space - to both preserve the existing natural resources and meet the recreation needs of the community.

The 17-acre Michigan Beach Park boasts approximately 2,000 feet of Lake Michigan shoreline and a heavily forested upper dune area. The active public beach and the upper wooded areas are separated by the City's water treatment facility. Northeast of the facility is a groomed beach with walking paths, playground equipment, a volleyball net, basketball courts, picnic tables, and a covered pavilion. The southwest portion of the park is comprised of forested dune bluff with unpaved walking trails, benches, trash receptacles, and wooden stairways leading to the beach. The forested areas are accessed from the beach below or from the unpaved shoulder of Park Avenue. The primary scope of this Plan includes the forested dune and upland area adjacent to Park Avenue. While the public beach is not the focus, proposed improvements aim to connect all areas of the park, providing increased access to the forested portion of the site.

GOALS AND OBJECTIVES

Early in the design process for Michigan Beach Park, specific objectives were established by the project Steering Committee. These goals include:

- Better define parking areas along Park Avenue.
- Improve public access to wooded trails from Park Avenue.
- Consider addition of an accessible pathway along Park Avenue that connects to the public beach.
- Address potential safety considerations and traffic conflicts.
- Enhance community amenities such as seating, signage, and/or litter/recycling receptacles.
- Eliminate invasive plant species and protect/expand native plant species.
- Engage potential local partners to help manage and maintain the park.
- Consider design improvements that enable the City to be eligible for State and Federal Grants.



RELATED PLANNING EFFORTS

- City of Charlevoix Recreation Master Plan, 2017-2021
- City of Charlevoix Forestry Management Plan, 2017
- Site Development Concept, Professor Kenneth Polakowski, 2017

The development of this parcel as a public amenity meets the following Recreation Master Plan Goals:

- Build common ground among the City of Charlevoix residents and stakeholders in addressing the future recreational needs, and priorities of the City.
- Support the implementation of improvements for barrier-free access to City parks and recreational sites.



PLAN PROCESS

- Continuous Community Involvement
- Site Assessment
- Community Visioning
- Development of Concept Alternatives
- Refinement of Alternatives to Consensus Plan
- Development of Maintenance Strategies



This Plan helped to identify the value of Charlevoix's assets for their:

- **Environmental value**
The site provides the city of Charlevoix with access to a unique diversity of natural habitats in one location. Restoration of native plantings have the potential to enhance the natural beauty found in the region, increase bluff stability and delineate views of Lake Michigan.
- **Economic value**
This park will not only attract locals with its beautiful views, but has potential to be a unique regional draw, with the addition of an accessible pathway and seating.
- **Recreational value**
This park has approximately 2000 linear feet of Lake Michigan shoreline. With the addition of an ADA accessible trail along Park Avenue and better-defined parking opportunities, there is now ample room for recreational activities such as walking, leisure biking, sunset viewing, bird watching, and more.

PROJECT INVENTORY

SITE PHOTOS

Multiple visits were made to the project site over several months between November of 2017 and March of 2018. The following site photos indicate existing site conditions.



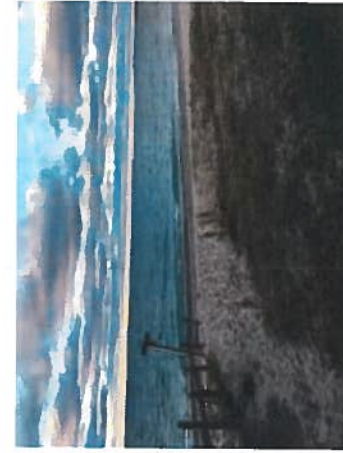
1. Typical existing parking area



2. Park amenities at trail entrance



3. Rustic steps leading to beach example 1



4. Beach at West edge



5. Rustic steps leading to beach example 2



6. Trailhead with amenities



7. Trail condition



8. Bluff edge



9. Trail condition



10. Undergrowth along trails



11. Park Ave. looking East

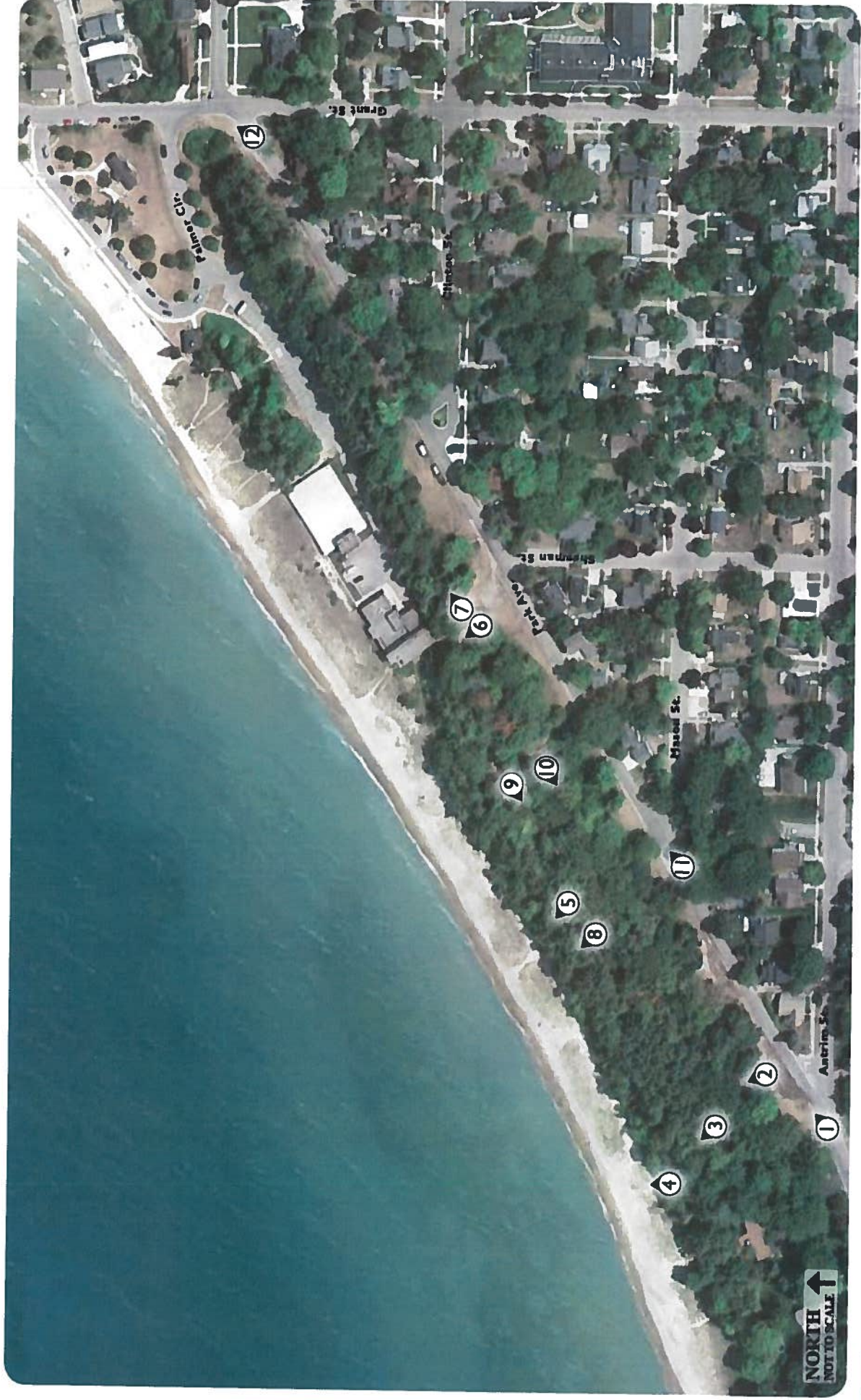


12. Grant St. connection

PROJECT INVENTORY

SITE PHOTO KEY

(Arrows on numbers indicate direction of view)



PROJECT INVENTORY

SITE ANALYSIS



PUBLIC MEETINGS

A key factor in the development of the Michigan Beach Park Consensus Plan was public discussion and feedback. Stakeholder interviews and two public meetings were held for the project: a kick-off/visioning session and a presentation of the Draft Consensus Plan toward the end of the planning process.

Announcements for these meetings were advertised on the City website, on Facebook, in local newspapers such as the Charlevoix Courier and Petoskey News, and through an email mailing list.

- Stakeholder Interviews: December 14, 2017.

Primary stakeholders were interviewed to gather feedback to guide overall design implementation strategies. Stakeholder groups interviewed included the Recreation Department, members of the Shade Tree Commission, Department of Public Works, Zoning Department, Planning Commission, Chamber of Commerce, Police Department, and Historical Society. The planning team also reached out to park neighbors, including individual residents and an employee of the nearby Munson Healthcare Charlevoix Hospital.

- Public Visioning Session: December 14, 2017.

This meeting was held as a project introduction and listening session. The project team presented a series of images and potential program elements to gauge community needs and wants for the park.

- Presentation of Consensus Plan and Grant Application Public Hearing: March 8, 2018.

The Draft Consensus Plan, based on all public and stakeholder feedback received to date was presented to the group. The proposed Michigan Department of Natural Resources Passport Grant application scope was also presented at this meeting.



PUBLIC INPUT

ONLINE SURVEYS

Two online surveys were held throughout the planning process in order to reach the maximum amount of Charlevoix residents many of whom had moved south for the winter months.

Visual Preference Survey: December 27, 2017 - January 31, 2018.

30 images in an online survey format were shown to the community and feedback was gathered on which program elements were desired for this site, and which were undesirable. A total of 334 responses were received. The 30 images shown in the survey were then grouped based on the number of 'likes' and 'dislikes'.

Most popular images(280+ likes):

- Wooded path, unpaved
- Bench along trail with view of lake
- Existing beach access stairs with woodland on both sides

Popular images(200+ likes):

- Kayaks
- Bird watching opportunities
- Small restroom facility
- Woodland path with clear understory
- Clear and colorful signage
- Swing bench with lake view
- Cross-country ski trail

Least popular images(<75 likes):

- Slack-line park
- Zip-line play structure
- Disc golf course

Popular Images (200+ likes)



Concept Alternative Preference Survey: February 9, 2018 - March 1, 2018

Three concept alternatives were presented to the community in an online survey format, and the group was invited to vote for the plan they liked and comment on elements that they did not like. A total of 54 responses were received.

The concepts as presented online are shown in the following section.

Concept A: Park as Woodland Arboretum

- 27% chose as favorite
- Like: Reintroduction of native plants, management of undergrowth for views, off-street trail, parking improvements, basic improvements to beach steps, educational signage
- Dislike: Higher maintenance planting, picnic areas, parking in front of Earl Young homes

Concept B: Park as Space for Quiet Reflection

- 30% chose as favorite
- Like: Minimalist approach, off-street trail, preserve woodland character, overlooks
- Dislike: One-way traffic idea, not enough parking

Concept C: Park as Visitor Destination

- 16% chose as favorite
- Like: Restroom, landscape slide
- Dislike: Restroom, landscape slide, play is too active for this natural space

CONCEPT ALTERNATIVES

CONCEPT PLAN THEMES

After an initial round of public input, three concept alternatives were developed for Michigan Beach Park. It was determined that some design considerations needed to be addressed in all concept alternatives. These considerations include:

<i>Site-Wide Design Elements</i>	<i>Existing Design Elements to Improve</i>
• Selective clearing of site corridors • 6' accessible asphalt trail system • Bollard pathway lighting • Woodland management zones • Bollard lighting	• Trash receptacles • Mutt Mitts Receptacles
	<i>Design-Specific Elements</i> • Accessible overlooks

Using these common design considerations as a starting point, three concept plan alternatives were developed, each prioritizing amenities differently.

Concept A

This concept most closely resembles Ken Polakowski's 2017 plan. Common to all three concepts is the preservation and protection of plant biodiversity on the lower woodland dunes (between woodchip trails and the beach). This plan proposes minimal improvements within this woodland zone, with the exception of woodchip trail connections, beach step and rail repair, and minimal clearing of underbrush and branches in key site corridors. Park improvements for Concept A are focused on native planting zones, or woodland "Meadows", along Park Avenue. These Meadows would consist of small areas of mown turf adjacent to parking, with seating and picnic tables for visitors. The transition between mown turf and existing woodland would be marked by a planting zone of low-maintenance native trees and shrubs. Meadows would be linked by the multi-use trail, which connects down Grant Street to the public beach.

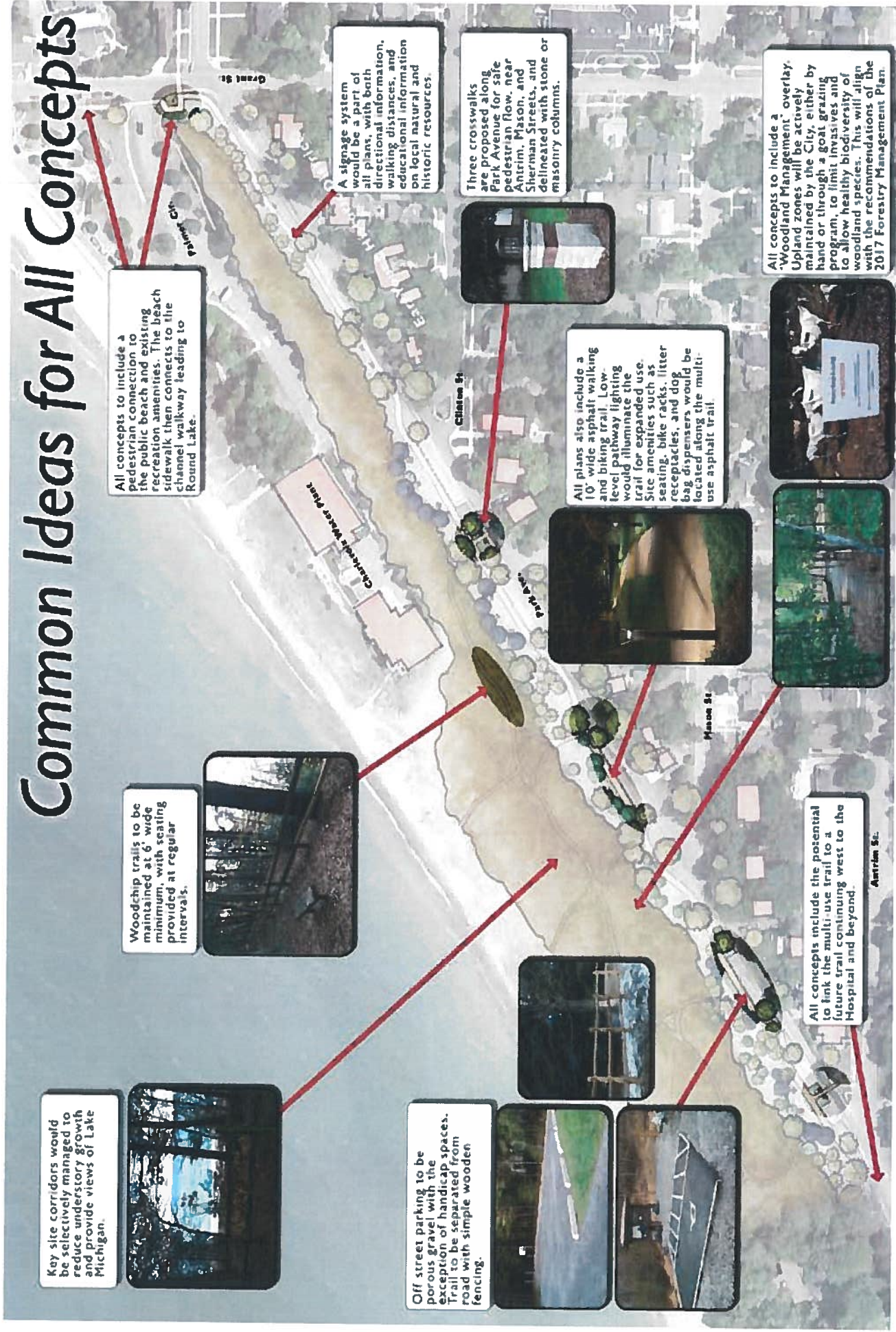
Concept B

This concept responds to community feedback stating that residents enjoy the park's natural character and do not wish to see extensive improvements or changes. Park improvements in this plan are focused on maintaining woodland biodiversity (with minimal site clearing for view corridors) with improvements along Park Avenue for passive recreation such as walking, sitting, and viewing of both the natural surroundings and the historic Earl Young homes. Seating areas are again linked by the multi-use trail, which connects down Grant Street to the public beach. This plan includes cantilevered overlooks along the trail between upper and lower dunes, which could be constructed to be fully accessible for park users of all ages and abilities.

Concept C

This concept explores the idea of creating a point of interest at the west end of the park that would serve as a unique recreational draw to the community. For the majority of this plan, park improvements are focused on natural spaces and passive recreation. The exception is a nature based play area for families with adjacent restroom structure near Antrim Street. Feedback received through the Visual Preference Survey indicates interest in a small restroom structure along Park Avenue and more activities for families. As in other plans, site amenities would be located along the multi-use trail and selective clearing of understory trees would provide lake views. The trail would again connect along Grant Street to the public beach.

Common Ideas for All Concepts



Concept A: Park as Woodland Arboretum

- Legend**
- A. Gravel Parking: 50 spaces
 - B. Multi-Use Asphalt Trail
 - C. Woodchip Trail
 - D. Beach Stair Improvements
 - E. Pillars at Crosswalks (3)
 - F. Benches
 - G. Picnic Tables
 - H. Ornamental Trees at Woodland "Meadows"
 - I. Native Shrub Plantings
 - J. Accessible Path Connection to Beach
 - K. Site Corridor



Site Narrative

This concept most closely resembles Ken Polakowski's 2017 Plan. Common to all three concepts is the preservation and protection of plant biodiversity on the lower woodland dunes (between woodchip trails and the beach). This plan proposes minimal improvements within this woodland zone, with the exception of woodchip trail connections, beach step and rail repair, and minimal clearing of underbrush and branches in key site corridors.

Park improvements for Concept A are focused on native planting zones, or woodland "Meadows", along Park Avenue. These Meadows would consist of small areas of mown turf adjacent to parking, with seating and picnic tables for visitors. The transition between mown turf and existing woodland would be marked by a planting zone of low-maintenance native trees and shrubs. Meadows would be linked by the multi-use trail, which connects down Grant Street to the public beach.

Site Character



Concept A: Site Details



Concept B:

Park as Space for Quiet Reflection

- Legend**
- A. Gravel Parking: 30 spaces
 - B. Multi-Use Asphalt Trail
 - C. Woodchip Trail
 - D. Beach Stair Improvements
 - E. Pillars at Crosswalks (3)
 - F. Benches at Trailheads
 - G. Picnic Tables
 - H. Cantilevered Accessible Overlook
 - I. Accessible Path Connection to Beach
- Site Corridor**



Site Narrative

This concept responds to community feedback stating that residents enjoy the park's natural character and do not wish to see extensive improvements or changes.

Park improvements in this plan are focused on maintaining woodland biodiversity (with minimal site clearing for view corridors) with improvements along Park Avenue for passive recreation such as walking, sitting, and viewing of both the natural surroundings and the historic Earl Young homes.

Seating areas are again linked by the multi-use trail, which connects down Grant Street to the public beach.

This plan includes cantilevered overlooks along the trail between upper and lower dunes, which could be constructed to be fully accessible for park users of all ages and abilities.

Site Character



Concept B: Site Details

Existing woodchip trails through the woods would be improved and beach stairs would be improved with timber treads. Wooden handrails would be repaired or replaced at all steps.



Cantilevered overlooks with seating would be added adjacent to existing woodland trails. Selective clearing of understory trees would provide lake views.



This plan includes primarily parallel parking, with some space allows.

ONE WAY



Three seating zones across from the Earl Young homes would provide viewing areas while maintaining a respectful distance.

Consideration was given in this plan to creating a one-way zone of traffic on Park Avenue between Grant and Clinton Streets, heading west. While not proposed on these plans, such a modification could help to designate a slow-traffic zone along this historic block. Traffic coming from the Hospital would turn right on Clinton Street to reach the traffic light at Bridge Street.

At key points along the trail where pathways intersect near Park Ave. crosswalks, trailhead spaces would provide seating and signage, both directional and to provide information about the historic Earl Young Homes and the native flora and fauna of the site.



CONCEPT ALTERNATIVES

Concept C: Park as Visitor Destination

- Legend**
- A. Gravel Parking: 42 spaces
 - B. Multi-Use Asphalt Trail
 - C. Woodchip Trail
 - D. Concrete Stair Improvements
 - E. Pillars at Crosswalks (3)
 - F. Benches
 - G. Picnic Tables
 - H. Restroom Structure
 - I. Landscape Slide
 - J. Play Equipment
 - K. Asphalt Parking for Handicap Access
 - L. Accessible Path Connection to Beach
- Site Corridor**



Site Narrative

This concept explores the idea of creating a point of interest at the west end of the park that would serve as a unique recreational draw to the community.

For the majority of this plan, park improvements are focused on natural spaces and passive recreation. The exception is a nature-based play area for families with adjacent restroom structure near Antrim Street.

Feedback received through the Visual Preference Survey indicates interest in a small restroom structure along Park Avenue and more activities for families.

As in other plans, site amenities would be located along the multi-use trail and selective clearing of understory trees would provide lake views. The trail would again connect along Grant Street to the public beach.

Site Character



Concept C: Site Details

Existing woodchip trails through the woods would be improved and beach stairs in this plan would be replaced with concrete treads. Wooden handrails would be repaired.



A small, fully accessible restroom with architecture to blend into the site would provide facilities for visitors.



This plan maximizes parking where slopes and existing features allow.

MUSHROOM HOUSE TOURS



As in other plans, seating is provided across Park Avenue from the Earl Young homes. In this concept, the only parking in this zone is for tour buses to pull off the road. Keeping the area free of parking would allow a best visitor viewing experience of this unique historic resource.

The play area to the west would include nature-based play equipment, such as a climbing feature or logs and sticks for creative play. The most exciting feature of the play area would be a landscape slide set into the adjoining hillside. Through careful design, this slide could provide a thrilling, yet safe element of fun.



DRAFT CONSENSUS PLAN



DRAFT CONSENSUS PLAN PUBLIC FEEDBACK

The Draft Consensus Plan was presented to the community at a public session. The Plan received overall positive feedback for incorporating comments received on the Concept Plan Alternatives. The following comments were heard at the public session and helped to form the Final Consensus Plan.

Fix the steps to the beach soon, do not wait for outside funding.

Increased traffic/safety concerns. Residents currently experience significant traffic on Clinton including cars, horse & carriage, bus, and golf cart tours of the Earl Young homes. Concerns that increased parking will increase traffic.

Residents have previously been able to use the area where the proposed parking is located to park extra vehicles. Are there any accommodations to be made for those who have no parking in front of their homes?

Some concerns that goats are a bad idea for clearing the area of undergrowth and invasive species. A better solution is to use volunteers.

Regarding the split rail fence along Park Ave.: Residents do not want a continuous fence that would limit access from all points along the trail. They would much rather see a low fence in short segments set back from the road, rain gardens, or large boulders to help delineate parking.

Suggested idea to locate a viewing platform and small park on top of the Water Treatment Plant.

Some are against any lighting along this trail even downward directed lighting because it adds to the light pollution and makes the beautiful night sky harder to observe.

Rainwater ponding and drainage concerns along the North side of Park Ave. Perhaps the City should consider curbs along this section to manage stormwater.

Comment addressing need for a separate identity from Michigan Beach Park public beach.



FINAL CONSENSUS PLAN

PLAN NARRATIVE

The Consensus Plan for Michigan Beach Park contains elements from the plan alternatives, and responds directly to the public input surveys of desired program elements. Through this public input, it was determined that the community values the natural resource of the dunes, beach, and bluff area and seeks to improve features of the existing site, not to develop the space with structures or program the space with activities that would draw a crowd. To respond to this input, proposed program elements will engage the public, yet respect the intent of the park as a quiet and peaceful place.

The community enjoys this space as a passive recreation area for beach access and for walking, sunset viewing, and quiet contemplation. Those involved with the planning process desired to see minimal changes beyond the addition of a multi-use path along Park Avenue. This park provides a unique contrast to the regional attractions of the rest of Charlevoix while complementing the natural beauty that is so vital to the health and wellness of visitors of all ages and abilities.

At the public beach area, Michigan Beach Park provides ample parking, opportunity to use restrooms, and accessible access to various active beach activities for those seeking an active recreation experience. Historic Earl Young architecture to the southeast of Park Avenue provides an educational opportunity as a popular regional attraction. The portion of the Michigan Beach Park site in question is a more natural and unprogrammed link between these two parks, and this plan did not change that character.

The key design elements of the plan are focused on the top of the bluff, along the northwest side of Park Avenue. Along the bluff itself, a 6' multi-use, fully accessible asphalt trail is proposed to connect downtown Charlevoix through city sidewalks, while two supplementary crossing locations are provided in addition to the popular ravine crossing to safely increase neighborhood access. Trail alignment is designed to avoid existing trees and utilities when possible to minimize environmental impact and reduce cost. The trail is meant to serve as a more natural and contemplative version of a city sidewalk, and is not intended to handle cyclist traffic, which would remain on the street. Consideration should be given to widening the path to 8' wide if the City of Charlevoix plans to continue the path west toward the hospital at some point in the future.

The plan maintains beach access at five existing locations and provides an additional accessible access point to the beach at Grant Street. The new accessible connection is essential in pursuing grant funding through the MDNR. This would allow Capital Improvement funds to be applied to areas of more immediate concern, mainly the steps connecting to the beach.

In order to provide pedestrian access to the beach while protecting the existing habitat, the forested paths are proposed to be maintained to a 6' clear width. Coupled with informational signage about the fragile nature of dune plant and animal life this will help locals and visitors alike to become stewards of this natural resource.

Bluff Management Areas, indicated by the dotted red lines on the plan, are areas for which management guidelines have been developed (see Forestry Management Plan). These areas would benefit from invasive plant removal, allowing native species to return and stabilize the dune slope. While most trees are proposed to remain in the areas defined, guidelines are provided to allow for lake viewing from the top of the bluff in key locations.

FINAL CONSENSUS PLAN



SECTION 1



NOT TO SCALE

SECTION 2



NOT TO SCALE

ENLARGEMENTS



ADA connection at Grant St. provides essential infrastructure to help secure grant funding for trail construction.



Defined parking and seating areas create a trailhead feel at popular beach and lower trail system access location.



Crosswalk locations at seating area creates safer pedestrian environment while rain gardens at strategic locations mitigate ponding issues along the North side of Park Ave. and provide buffer between trail and vehicular traffic.



ADA infrastructure at Southwest edge of site allows wheelchair access to lower bluff trail and overlook.

PROGRAM ELEMENTS SURVEY RESULTS

Green Dot on Image = Most Popular

Red Dot on Image = Least Popular

Michigan Beach Park - Park Program and Character Preference Survey

334 TOTAL RESPONSES
as of 02/01/18

1. Existing Site Character: minimally developed parking area.

2. Existing Site character: woodchip trails and minimally maintained woods.



155 I want this in the park
107 I do not want this in the park
63 No opinion
Comment:



267 I want this in the park
28 I do not want this in the park
15 No opinion
Comment:

3. Existing site character: timber stairs and handrails.

4. Existing site character: secondary trails with benches at prime viewing spots and rustic rails.



264 I want this in the park
29 I do not want this in the park
18 No opinion
Comment:



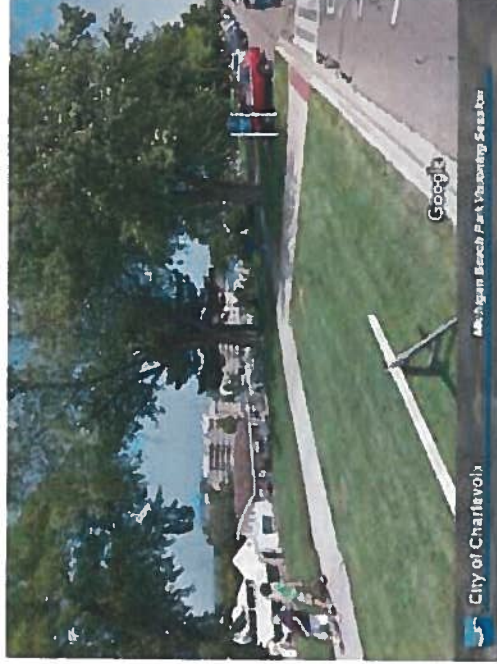
304 I want this in the park
11 I do not want this in the park
16 No opinion
Comment:

This survey can be found online at: <https://www.surveymonkey.com/r/KP28NG>

Page |

APPENDIX

5. Program element: paved multi-use trail separated from Park Ave.



166 | want this in the park
118 | do not want this in the park
43 | No opinion
Comment:

6. Program element: signs to show local paths and points of interest.



238 | want this in the park
59 | do not want this in the park
35 | No opinion
Comment:

7. Program element: activity along Park Ave. such as farmer's market.



109 | want this in the park
184 | do not want this in the park
37 | No opinion
Comment:

8. Program element: restroom structure (not necessarily this one, but something similar).



230 | want this in the park
75 | do not want this in the park
23 | No opinion
Comment:

This survey can be found online at: <https://www.surveymonkey.com/r/KJ2BNG>

9. Program element: picnic/shade structure at flat area on upper bluff.



181 I want this in the park
119 I do not want this in the park
38 No opinion
Comment:

10. Program element: swing, rocking chairs at key viewing points.



198 I want this in the park
52 I do not want this in the park
36 No opinion
Comment:

11. Program element: open forest floor in flat areas, reduction of understorey growth in key areas.



207 I want this in the park
86 I do not want this in the park
38 No opinion
Comment:

12. Program element: boardwalk path in sloped areas.



137 I want this in the park
148 I do not want this in the park
45 No opinion
Comment:

This survey can be found online at: <https://www.surveymonkey.com/r/KJ2BNG>

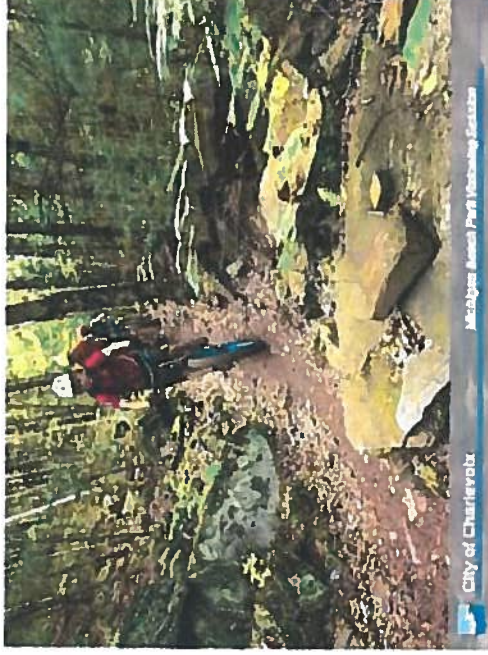
APPENDIX

13. Program element: trails groomed for winter use, skiing, shoeing, hiking.



207 I want this in the park
90 I do not want this in the park
44 No opinion
Comment:

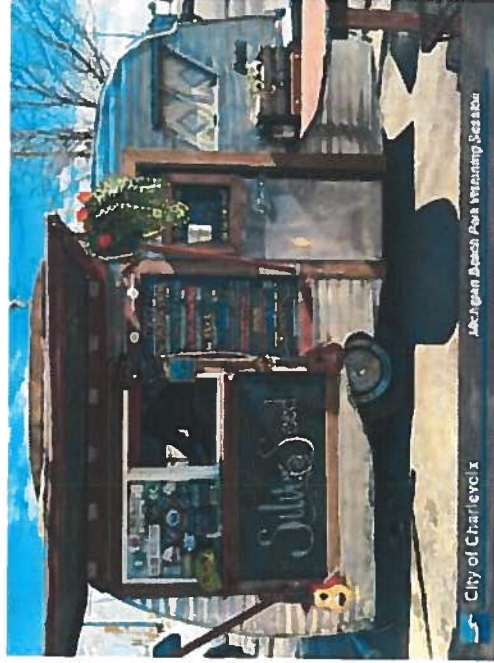
14. Program element: trails appropriate for mountain biking.



100 I want this in the park
171 I do not want this in the park
57 No opinion
Comment:

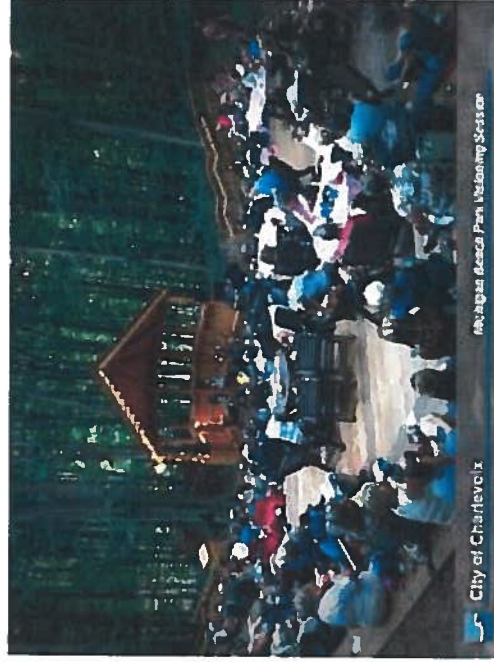
snow-

15. Program element: space for food trucks/flexible temporary food options.



137 I want this in the park
149 I do not want this in the park
42 No opinion
Comment:

16. Program element: outdoor performance space.



120 I want this in the park
165 I do not want this in the park
45 No opinion
Comment:

This survey can be found online at: <https://www.surveymonkey.com/r/KJ2BNG>

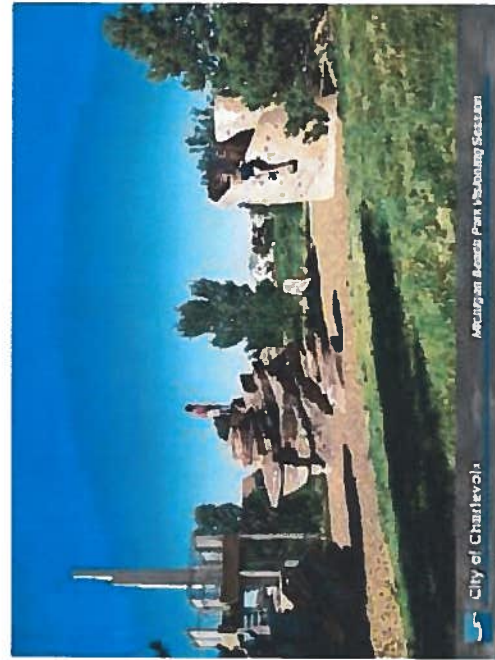
Page 4

17. Program element: tree house style play structures.



142 | want this in the park
144 | do not want this in the park
43 | No opinion
 Comment:

18. Program element: climbing activity play structures for all ages.



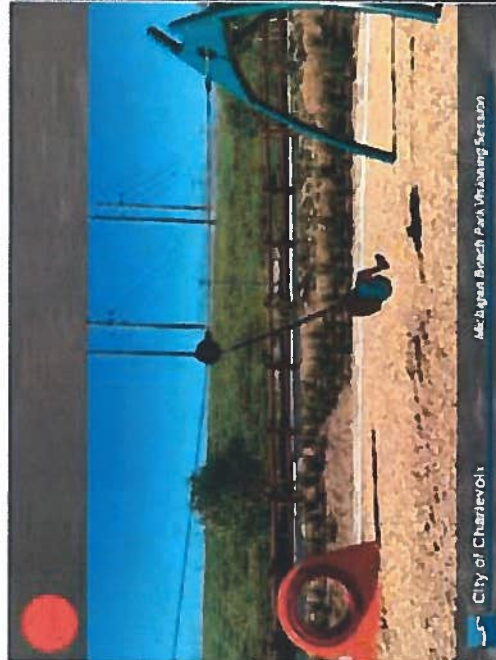
120 | want this in the park
163 | do not want this in the park
46 | No opinion
 Comment:

19. Program element: slackline play activity for all ages, tight rope suspended just above ground, with one overhead for easier version.



97 | want this in the park
195 | do not want this in the park
98 | No opinion
 Comment:

20. Program element: zip line play activity for all ages, could be very long, but Not very steep or high above ground for maximum entertainment & safety.



72 | want this in the park
203 | do not want this in the park
55 | No opinion
 Comment:

This survey can be found online at: <https://www.surveymonkey.com/r/K177RNG>

21. Program element: play structures build from rustic materials, could be built to last just one season and then rebuilt.



90 | want this in the park
122 | do not want this in the park
57 | No opinion
Comment:

22. Program element: rustic play elements, ladders in good climbing trees so kids build their own play equipment.



101 | want this in the park
165 | do not want this in the park
63 | No opinion
Comment:

23. Program element: slide build into hillside.



128 | want this in the park
160 | do not want this in the park
42 | No opinion
Comment:

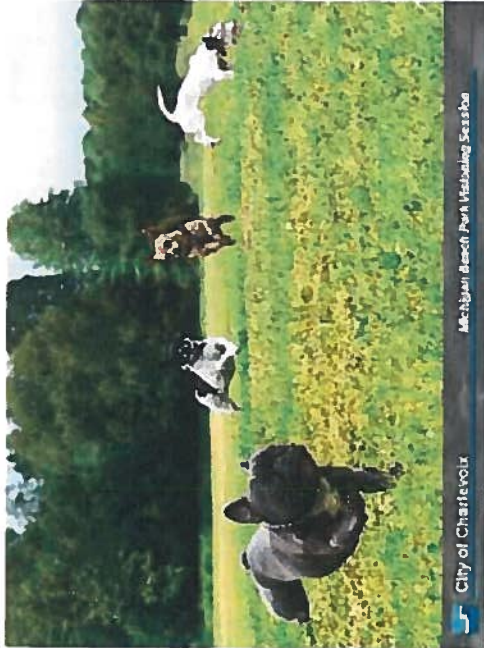
24. Program element: rope climbing activities for all ages.



90 | want this in the park
172 | do not want this in the park
5 | No opinion
Comment:

This survey can be found online at: <https://www.surveymonkey.com/r/KJ2BNG>

25. Program element: dogs allowed off leash at certain hours, (early morning) and seasons.



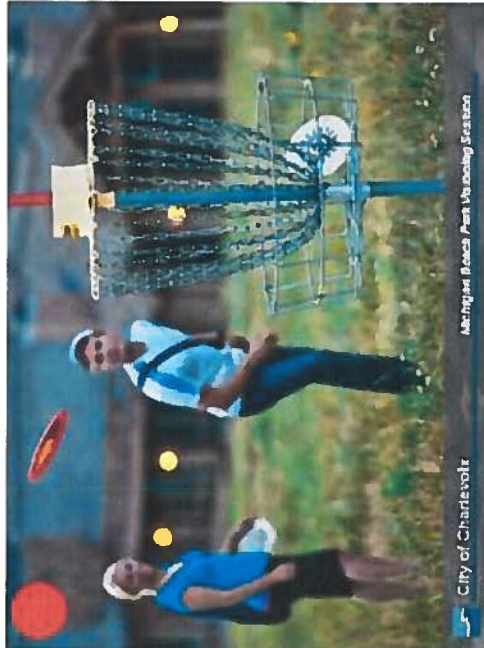
139 I want this in the park
131 I do not want this in the park
44 No opinion
Comment:

26. Program element: nature-based art and sculpture.



110 I want this in the park
162 I do not want this in the park
55 No opinion
Comment:

27. Program element disc golf.



59 I want this in the park
217 I do not want this in the park
53 No opinion
Comment:

28. Program element: pathway allowing easier access for kayak launching from the beach.



206 I want this in the park
80 I do not want this in the park
61 No opinion
Comment:

This survey can be found online at: <https://www.surveymonkey.com/r/KJ22BNG>

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APPENDIX

29. Program element: spaces appropriate for bird watching and similar passive activities.



221 I want this in the park
36 I do not want this in the park
71 No opinion
Comment:

30. Program element: use of sustainable practices such as goats for clearing invasive plant species.

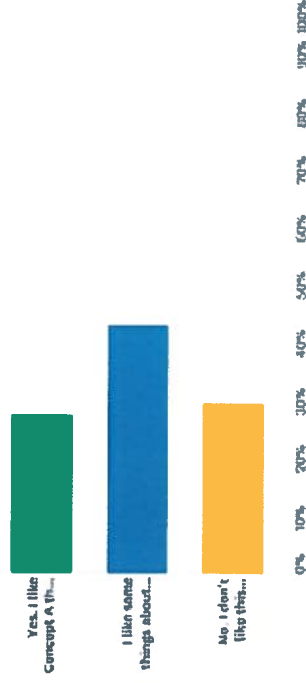


130 I want this in the park
131 I do not want this in the park
62 No opinion
Comment:

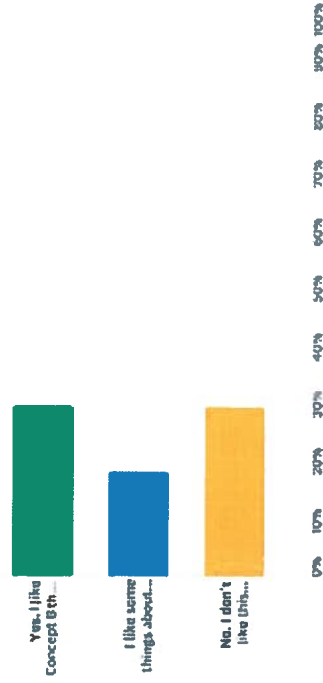
CONCEPT ALTERNATIVES SURVEY RESULTS



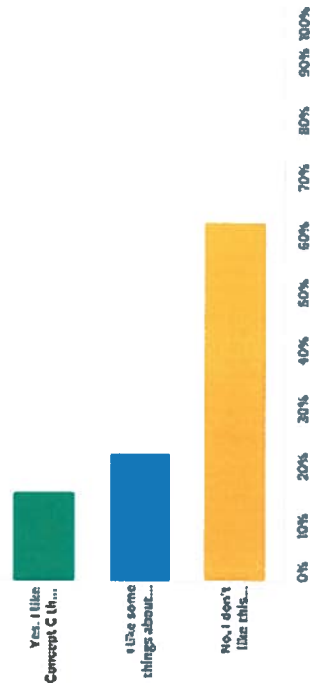
1. Is Concept A: Park as Woodland Arboretum your overall favorite?



2. Is Concept B: Park for Quiet Reflection your overall favorite?



3. Is Concept C: Park as Visitor Destination your overall favorite?



APPENDIX

SURVEY COMMENTS: CONCEPT ALTERNATIVE A

Some information hidden to preserve privacy.

1	please leave it alone and don't go signing this lovely area like you have now done for much of the city	20	No asphalt - parking or trails - with it's toxic run-off! No trails of any description between Clinton and Grant! Mowed grass is best. Just eliminate the invasive toxic plants. No parking along Park Avenue on either side because it creates a traffic and pedestrian hazard as well as obscuring the view and photo-ops for Lake Michigan and the Earl Young homes. Please check the property boundaries of Park Avenue between Grant and Clinton. When it was first developed, each home had two spaces in front on their own property (with the exception of the thach home who CHOSE to eliminate theirs when they "renovated") which comply with City zoning requiring two spaces for each residential home. This is private property which is not part of Park Avenue street or City owned. If parking is an issue, restore the 28 spaces that were eliminated on Park Av. between State St. and Grant St. when it was narrowed a few years ago. This would also ease some of the parking issues that are created with the East Park events as well as church service attendance 12 months out of the year. No parking - gravel or otherwise. As with your 'seasonal labor housing' concept which seeks to eliminate parking requirements for the proposed residence, encourage walking or biking. Please be mindful that this is a residential area and keep the spaces open for enjoyment 12 months of the year
2	No picnic tables. No parking. Creates a traffic congestion on a narrow street. Runoff will exacerbate the erosion that is already a problem. With a row of parked cars it will be difficult for people to take photos of the Earl Young homes. Needs more than minimal clearing of underbrush. Needs total removal of underbrush and a reintroduction of native plants to restore a natural healthy floor which will be self sustaining. No trails. Replace the mature trees that were chopped down with mature fir trees that were there before.	21	Lets keep the area as natural as possible, easy to maintain.
3	Like the amount of parking, and parallel parking across from Earl Young houses. Do not like adding more planting that will require maintenance, don't like NOT opening sight lines to the lake	22	The meadow areas are a nice touch. I don't want to disrupt the native vegetation, but clearing the gnarly undergrowth is a must to improve the sight lines to our beautiful lake and give the area a more manicured appearance.
4	street level picnic areas not good	23	Some improvements are needed on stairs, paths, etc., but this plan makes minimum changes. The natural areas around town should remain as they are. Protect our parks.
5	We need to keep all existing parking and all existing steps	24	I prefer more extensive trimming to create vistas for views. Otherwise, Ken has a good plan.
6	Just keep the park cleaned up and existing parking and steps kept up	25	I want things left as is with the thought of redoing Park ave. Adding a sidewalk and calling the chopped paths perfect. Our city does not need more parks to take care of, we are not statted to the point of making any one really nice. Let's concentrate on the beach parks and developments we currently have and make them nice.
7	"More parking please" Keep beach steps	26	I'm concerned that the under growth is still not being taken care of enough. I am also concerned that there will not be enough parking.
8	Need more parking. I want the steps there to stay	27	My only concern is that the underbrush be cut down and controlled throughout the summer months.
9	We need more Parking. Does this still include all the existing steps going down now?	28	Second choice.....see below.
10	This focuses on the existing natural environment and maintains the current rustic feel.	29	I like the increase in natural multi colored foliage to give this area some natural color. This large piece of Charlevoix Parkland has been underutilized since I was a child 60 years ago. I applaud the City for making some changes. I support Concept B however, but strongly prefer that any viewing corridors be judiciously achieved and that large numbers of trees do not get cut. The filtered light affect in this Park area is a natural delight of which too few are aware. Charlevoix's version of California Redwoods.
11	It should be left alone. This is the best option with the least amount of "improvements"	30	Don't care for the benches and picnic table areas.
12	If there needs to be any changes to this last tranquil spot for the LOCALS... then keep it natural and simple and FIX the stairs. Picnic tables are not necessary and will provide reasons for more trash scattered.		
13	I would like the park to stay as natural as possible. So many trees have already been removed. I would wish that no more trees be removed even to make a lake view.		
14	No reason for visitors to go. Lack of interaction		
15	Minimalism is the key to what needs to be done. Catering to summer people who literally spend a week or two a year here is ridiculous. Locals live here year around for the unspoiled nature. Charlevoix is a special place and deserves to be kept that way.		
16	I love the idea of native paintings and educational signage. I think the other two plans also have many positives and few negatives, but this one is my favorite		
17	I live in one of those Earl Young homes. I certainly do not want cars parked in front of my house. It feels like I am losing control over my own space. While I am happy to share our wonderful home there has to be a means to respect our privacy		
18	Boning, we can do better.		
19	would like restroom added		

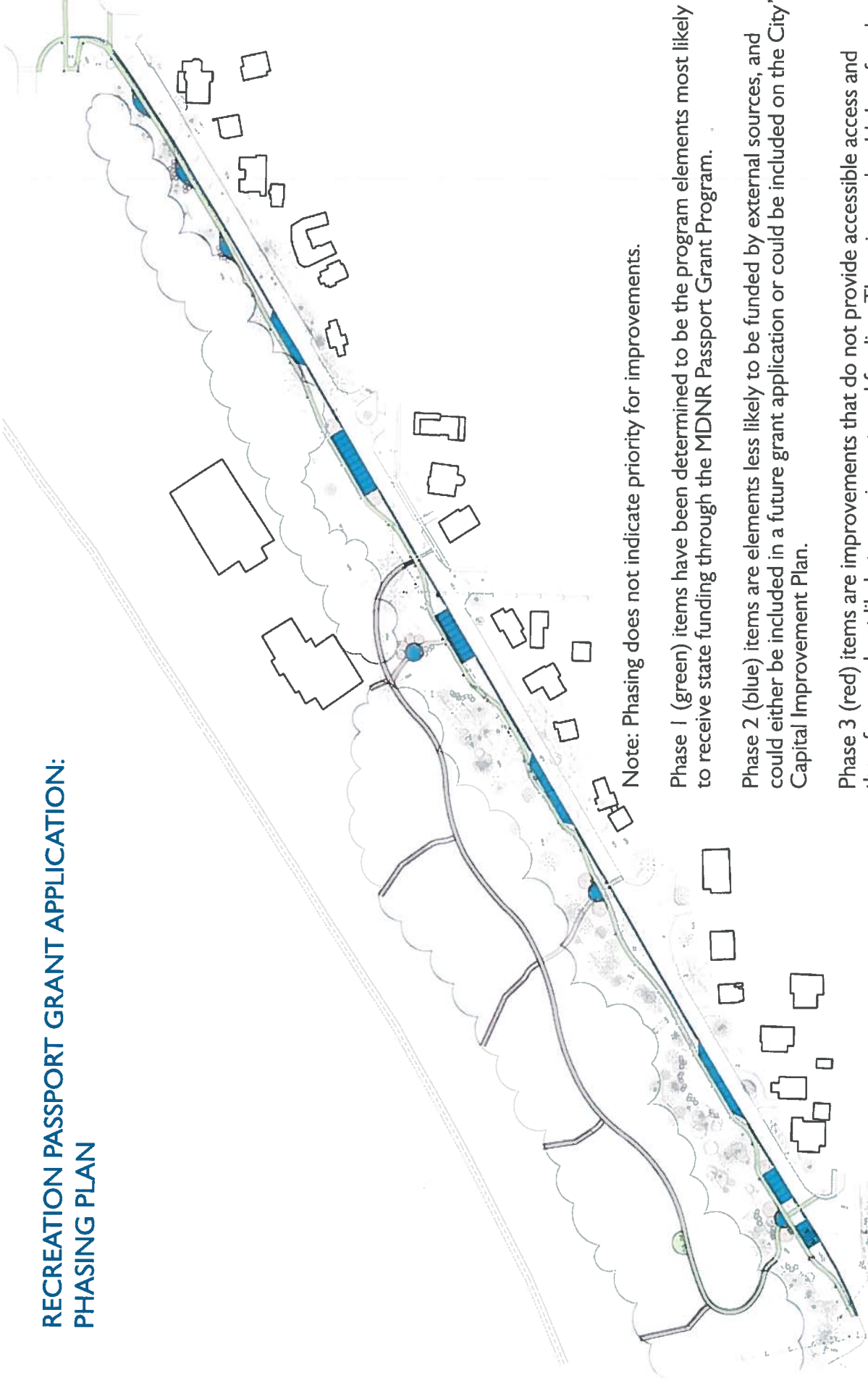
SURVEY COMMENTS: CONCEPT ALTERNATIVE B

- 1 Add more parking. do not change road directions, open even more sight lines to the lake. Too much brush!
- 2 don't need more than one overlook
- 3 Please keep it as natural as possible
- 4 I like the overview!
- 5 This is not a nature preserve. For quiet reflection, take a walk at Mt. Mc Saba or the woods.
- 6 I like this concept. I wish you would consider adding a bathroom to this concept. There is a great need for it.
- 7 It's perfect
- 8 Now we're getting somewhere. I like the cantilevered look outs
- 9 I like the cantilevered overlooks. Probably could use more parking. And more trimming for visials
- 10 I want things left as is with the thought of redoing Park ave. Adding a sidewalk and calling the chipped paths perfect. Our city does not need more parks to take care of, we are not staffed to the point of making any one really nice. Let's concentrate on the beach parks and developments we currently have and make them nice.

SURVEY COMMENTS: CONCEPT ALTERNATIVE C

1	park is too small to be a visitor destination. Definitely don't need a bathroom	17	This isn't stupid and childish like our Mayor.
2	what the hell are you thinking are you trying to turn the city into Gallatinburg North? God how gross	18	Lets make this a destination and enhance this beautiful space. Everything looked great!
3	Please respect the fact that this borders single family residences	19	no concrete slatway-prefer pathways to be similar to what is there
4	Do not make a destination park. Would add a tremendous maintenance and operational burden to city. Beach has high usage now, do not add more people. I can see my city taxes increasing if this option is selected	20	NO ONE-WAY TRAFFIC ON PARK AV. DO NOT RE-ROUTE PARK AVENUE (hospital) TRAFFIC ONTO CLINTON ST. It is not a through-way. It is a residential street that was once quite hazardous until the island was installed a few years ago to "quiet" the speeders and semi / service trucks.
5	Way too invasive of natural space and beauty of Lake Michigan Beach area	21	I cannot imagine concrete steps. Back to wooden steps please. I question the usefulness of now bathrooms and the effort/cost to maintain them.
6	I see no reason to add a restroom. The play area would be great for local families as well as visitors. We need to try to DRAW more year around young families to our little town. If we do not encourage industry and such we will be just another tourist stop that closes up for the winter. We need to start acting like a community that encourages our local youth instead of only having concerns about drawing more tourism.	22	We have too much park space dedicated to children and family activity already. This concept is too targeted. The beach is a place to reflect and relax
7	This is too much to add to this small patch of woods. Why can't we have a natural area to enjoy instead of making a "destination playground"? I don't think that we need more cars in this area.	23	I like the bathrooms, and I do like the attractions, but they seem like too much. But after they are there for a year or two, they will probably be beloved by many. Including myself. I worry about cost, and wonder if the attractions on the West end could be in a separate phase?
8	First and foremost, Park Ave. is a private residential street and homeowners (year round and summer) peace and privacy must be weighed heavily. This park is one of the few areas in town one can go for some sense of serenity. In addition to viewing the houses, dog walking, jogging and bike riding is very active along this stretch. The split rail fence separating the road with a walking path is overdue and additional soft lighting is a positive. Less future expenditures for upkeep is also a positive. Attention to this beautiful space is long overdue but LESS is often better. More.	24	I want things left as is with the thought of redoing Park Ave. Adding a sidewalk and calling the chipped paths perfect. Our city does not need more parks to take care of, we are not staffed to the point of making any one really nice. Let's concentrate on the beach parks and developments we currently have and make them nice.
9	least favorite of all of the proposed plans. Definitely no concrete stairs or kids slides! This is nature, please honor that and don't take away from it.	25	too much STUFF in this concept, I would like this area to be kept as natural as possible.
10	Great amenities! Would expand current use beach, especially for both families and adults. Love the slides! Same idea as the fountain at the marina!	26	I like this concept with some reservations about the concrete stairs. The stairs need to be designed in a way that is unobtrusive, regardless of material, and I feel that a large concrete stair system may be an eyesore in an otherwise beautiful plan.
11	This option has appeal to both visitors and residents. It is interesting with interaction. Concrete steps are best for seniors, too.	27	Again I am concerned that there will not be enough parking and that the undergrowth will not be taken care of enough.
12	We want VISITORS to come and go back with wonderful memories of Charlevoix and beautiful Lake Michigan.	28	Not enough parking. Again, concerned that the underbrush growth should be cut down and maintained.
13	Disneyland is in Florida for a reason. You want that then go there. We have great tourism without a mini Disneyland.	29	This should be a destination park. Include parking near the Mushroom houses. Desperately needed. Add to this plan the overlook. Concerned about the maintenance and useful life of concrete stairs due to the shifting sands and prevailing west winds. Perhaps treated wood better? Need the stairs but need to construct them to last. Integrated play area and restroom a must. Viewing vistas or corridors are a must also. The park originally had them and it's important to bring them back. It was labeled as the "Million Dollar View" but time and neglect has overtaken that view and people believe it should be wild due to this neglect. Not so...need to see the lake.
14	I like the idea of the nature-based play area but I'm concerned about protecting the beach and dunes from too much use and destruction. Keep this in mind for a less critical coastal area.	30	As a former [redacted] I am always fearful of liability issues. The children's slide and climbing area truly worry me given the high potential law suits v. City of Charlevoix for injuries that may occur upon this "attractive nuisance" improvements. Also I have learned that from my time in Washington, D.C., that unsupervised public lavatories become quite unattractive because of misuse over time. Further, while Charlevoix has few vagrant issues that I am aware of, I feel frankly that this public lavatory will become a spot for vagrants to collect.
15	Again a total invasion of the homeowners privacy		
16	We live on [redacted] We are totally against buses parking across from our homes. Furthermore picnic benches will invite more people spending too much time and possibly creating problems with trash and discarded food. We don't think a place where people are liable to spend extended time should be within sight of our homes.		

RECREATION PASSPORT GRANT APPLICATION: PHASING PLAN



Note: Phasing does not indicate priority for improvements.

Phase 1 (green) items have been determined to be the program elements most likely to receive state funding through the MDNR Passport Grant Program.

Phase 2 (blue) items are elements less likely to be funded by external sources, and could either be included in a future grant application or could be included on the City's Capital Improvement Plan.

Phase 3 (red) items are improvements that do not provide accessible access and therefore are least likely to receive external funding. These items should therefore be highest priority for inclusion on the City's Capital Improvement Plan.

APPENDIX

Michigan Beach Park - Concept Plan Cost Estimate

Item	Description	Quantity	Unit	Unit Cost	Total Cost	Phase 1	Phase 2	Phase 3
1 Site Preparation								
1	General Permitting, Building and Utilities		ALLOW	\$ 2,000.00	\$	\$1,500	\$1,500	\$1,500
2	Mobilization	1	ALLOW	\$ 10,000.00	\$ 10,000	\$3,500	\$3,500	\$3,500
3	Soil Erosion and Sedimentation Control	1	ALLOW	\$ 5,000.00	\$ 5,000	\$5,000		
4	Site Clearing and Rough Grading	36,000	SF	\$ 0.60	\$ 21,600	\$15,000	\$5,000	\$1,600
5	Selective Understory Clearing	5,000	SF	\$ 5.00	\$ 25,000	\$6,000		\$19,000
2 Site Improvements								
1	Site Lighting	45	EA	\$ 1,200.00	\$ 54,000		\$54,000	
2	Asphalt Parking	620	SF	\$ 8.00	\$ 4,960		\$4,960	
3	Wheel Stops	26	EA	\$ 150.00	\$ 3,900		\$3,900	
4	Gravel Parking	7,200	SF	\$ 5.00	\$ 36,000		\$36,000	
5	Misc Traffic/Parking Signs	20	EA	\$ 600.00	\$ 12,000		\$12,000	
6	Split Rail Fencing (north side of Park Ave)	1,250	LF	\$ 5.00	\$ 6,250		\$6,250	
7	Canalwered Overlook	400	SF	\$ 50.00	\$ 20,000			
8	Concrete Paving	1,500	SF	\$ 12.00	\$ 18,000		\$18,000	
9	Multi use Trail, Asphalt, 6' wide	11,760	SF	\$ 6.00	\$ 70,560	\$70,560		
10	Cruiser fire Trail, 6' wide	1,670	SF	\$ 4.50	\$ 7,290	\$7,290		
11	Woodchip Trail	5,904	SF	\$ 2.00	\$ 11,808			\$11,808
12	Beach Seat Improvements, Seals and Rails	435	LF	\$ 7.00	\$ 3,045			\$3,045
13	Pillars at Crosswalks	6	EA	\$ 1,000.00	\$ 6,000		\$6,000	
14	Walkway Connection at Grant	1,210	SF	\$ 12.00	\$ 14,520			
3 Landscaping								
1	Shade Tree	6	EA	\$ 1,500.00	\$ 9,000			\$9,000
2	Evergreen Tree		EA	\$ 800.00	\$			
3	Ornamental Tree	9	EA	\$ 800.00	\$ 7,200			\$7,200
4	Native Shrub Planting	1,600	SF	\$ 10.00	\$ 16,000			\$16,000
5	Seed	12,100	SF	\$ 0.50	\$ 6,050		\$2,000	\$4,050
4 Site Furnishings								
1	Trail Interpretive Sign	4	EA	\$ 2,500.00	\$ 10,000	\$8,000		\$2,000
2	Litter and Recycling Receptacles	5	EA	\$ 2,000.00	\$ 10,000			\$10,000
3	Blue Bikes	6	EA	\$ 500.00	\$ 3,000			\$3,000
4	Benches	12	EA	\$ 3,500.00	\$ 42,000			\$42,000
5	Swing Bench	2	EA	\$ 7,500.00	\$ 15,000			\$15,000
6	Rocking Chairs	2	EA	\$ 500.00	\$ 1,000			\$1,000
Notes:								
				Subtotal	\$ 449,183	\$ 151,370	\$152,610	\$145,203
				Consulting Fee (10%)	\$ 35,918	\$ 12,110	\$ 12,209	\$ 11,976
				PREFERRED CONCEPT TOTAL	\$ 485,101	\$ 163,480	\$ 164,819	\$ 167,179
				Charlevoix 25% match minimum	\$ 121,279.41	\$ 40,869.50	\$ 41,204.70	\$ 40,419.81

(1) The cost estimate is preliminary and is for general information only.

(2) Utility costs assume nearby supplies with capacity.

(3) Engineering, bidding, construction administration, environmental testing and permitting are excluded from this estimate.

NATIVES	
COMMON NAME	LATIN NAME
Foredune	
Marram grass	<i>Ammophila brevifolcata</i>
Sand reed grass	<i>Calamovilfa longifolia</i>
Eastern cottonwood	<i>Populus deltoides</i>
Sand cherry	<i>Prunus pumila</i>
Common milkweed	<i>Asclepias syriaca</i>
American sea-rocket	<i>Cakile edentula</i>
Harebell	<i>Campanula rotundifolia</i>
Riverbank grape	<i>Vitis riparia</i>
Transition Dune	
Little bluestem	<i>Schizachyrium scoparius</i>
Sand cress	<i>Arabis lyrata</i>
Bearberry	<i>Arctostaphylos uva-ursi</i>
Wormwood	<i>Artemisia campestris</i>
Blueleaf willow	<i>Salix myricoides</i>
Summer grape	<i>Vitis aestivalis</i>
Bug-seed, tick-seed	<i>Conium maculatum</i>
Pitcher's thistle***	<i>Cirsium pitcheri</i>
Backdune	
Red-osier dogwood	<i>Cornus sericea</i>
Canada wild rye	<i>Elymus canadensis</i>
Flowering spurge	<i>Euphorbia corollata</i>
Seaside spurge	<i>Euphorbia polygonifolia</i>
False heather	<i>Hudsonia tomentosa</i>
St. John's wort	<i>Hypericum kalmianum</i>
Ground juniper	<i>Juniperus communis</i>
Creeping juniper	<i>Juniperus horizontalis</i>
Eastern red cedar	<i>Juniperus virginiana</i>
Beach pea	<i>Lathyrus japonicus</i>
Eastern white pine	<i>Pinus strobus</i>
Plains puccoon	<i>Lithospermum carolinense</i>
American yew	<i>Taxus canadensis</i>
Hop-hornbeam	<i>Ostrya virginiana</i>
Common evening primrose	<i>Oenothera biennis</i>
American basswood	<i>Tilia americana</i>
Balsam fir	<i>Abies balsamea</i>
Red maple	<i>Acer rubrum</i>
Sugar maple	<i>Acer saccharum</i>
Inland serviceberry	<i>Amelanchier interior</i>
Smooth serviceberry	<i>Amelanchier laevis</i>
Red serviceberry	<i>Amelanchier sanguinea</i>
Serviceberry	<i>Amelanchier spicata</i>
American beech	<i>Fagus grandifolia</i>
Jack pine	<i>Pinus banksiana</i>
Red pine	<i>Pinus resinosa</i>
Northern red oak	<i>Quercus rubra</i>
Black oak	<i>Quercus velutina</i>
Horsemint	<i>Monarda punctata</i>
Alternate-leaved dogwood	<i>Cornus alternifolia</i>
Northern white cedar	<i>Thuja occidentalis</i>
Eastern hemlock	<i>Tsuga canadensis</i>
Weaver Ash	<i>Ptelea trifoliata</i>

***Endangered



Sand Reed Grass



Beach Pea



Marram Grass



Creeping Juniper



Little Bluestem



Pitcher's Thistle



Blueleaf Willow



Wormwood

APPENDIX



Lyme Grass



Babys Breath



Japanese Knotweed



Common Reed Grass

Species accounts are available at www.misn.msu.edu for a number of plants that have been noted as invasive or having invasive tendencies in Michigan. Some of these are commonly recognized invasive species: Garlic Mustard, Purple Loosestrife or Phragmites. Others such as Black Jetbead, Swallow-wort, Water Hyacinth and European Frog-bit are emerging threats. Hydrilla and Mile a Minute are not yet in state but are nearby and considered particularly destructive.

COMMON NAME	INVASIVES	LATIN NAME
Trees		
Norway Maple		<i>Acer platanoides</i>
Tree of Heaven		<i>Ailanthus altissima</i>
Black Alder		<i>Alnus glutinosa</i>
Russian Olive		<i>Elaeagnus angustifolia</i>
Black Locust		<i>Robinia pseudacacia</i>
Shrubs		
Japanese Barberry		<i>Berberis thunbergii</i>
Autumn Olive		<i>Elaeagnus umbellata</i>
Glossy Buckthorn		<i>Frangula alnus/Rhamnus frangula</i>
Privet		<i>Ligustrum vulgare</i>
Anur Honeysuckle		<i>Lonicera maackii</i>
Morrow's Honeysuckle		<i>Lonicera morrowii</i>
Tartarian Honeysuckle		<i>Lonicera tatarica</i>
Bell's Honeysuckle		<i>Lonicera xbella</i>
Common Buckthorn		<i>Rhamnus cathartica</i>
Black Jetbead		<i>Rhododaphne scandens</i>
Multiflora Rose		<i>Rosa multiflora</i>
Herbaceous Plants		
Garlic Mustard		<i>Alliaria petiolata</i>
Asiatic Sand Sedge		<i>Carex kobomugi</i>
Narrow-leaved Bitter-cress		<i>Cardamine impatiens</i>
Spotted Knapweed		<i>Centaurea stoebe/Centaurea maculosa</i>
Canada Thistle		<i>Cirsium arvense</i>
European Swamp Thistle		<i>Cirsium palustre</i>
Black Swallow-wort		<i>Cynanchum laeve/ Vincetoxicum nigrum</i>
Pale Swallow-wort		<i>Cynanchum rossicum/ Vincetoxicum rossicum</i>
Chinese Yam		<i>Dioscorea oppositifolia</i>
Leaky Spurge		<i>Euphorbia esula</i>
Baby's Breath		<i>Gypsophila paniculata</i>
Giant Hogweed		<i>Heracleum mantegazzianum</i>
Himalayan Balsam		<i>Impatiens glandulifera</i>
Dame's Rocket		<i>Hesperis matronalis</i>
Lyme-grass		<i>Leymus arenarius</i>
Purple Loosestrife		<i>Lythrum salicaria</i>
White Sweet Clover		<i>Medicago alba</i>
Yellow Sweet Clover		<i>Medicago officinalis</i>
Japanese Stink Grass		<i>Microstegium vimineum</i>
Wild Parsnip		<i>Pastinaca sativa</i>
Butterbur		<i>Petasites hybridus</i>
Reed Canarygrass		<i>Phalaris arundinacea</i>
Common Reed Grass		<i>Phragmites australis</i>
Japanese Knotweed		<i>Polygonum cuspidatum</i>
Giant Knotweed		<i>Polygonum sachalinense</i>
Mile-a-minute Weed		<i>Polygonum perfoliatum</i>
Narrow-leaved Cattail		<i>Typha angustifolia</i>
Vines		
Oriental Bittersweet		<i>Celastrus orbiculatus</i>
Japanese Honeysuckle		<i>Lonicera japonica</i>
Kudzu		<i>Pueraria lobata</i>
Aquatic Plants		
Flowering Rush		<i>Butorinus umbellatus</i>
Water-hyacinth		<i> Eichornia crassipes</i>
Hydrilla		<i>Hydrilla verticillata</i>
European Frog-bit		<i>Hydrocharis morsus-ranae</i>
Eurasian Water Milfoil		<i>Myriophyllum spicatum</i>
Curly Pondweed		<i>Potamogeton crispus</i>

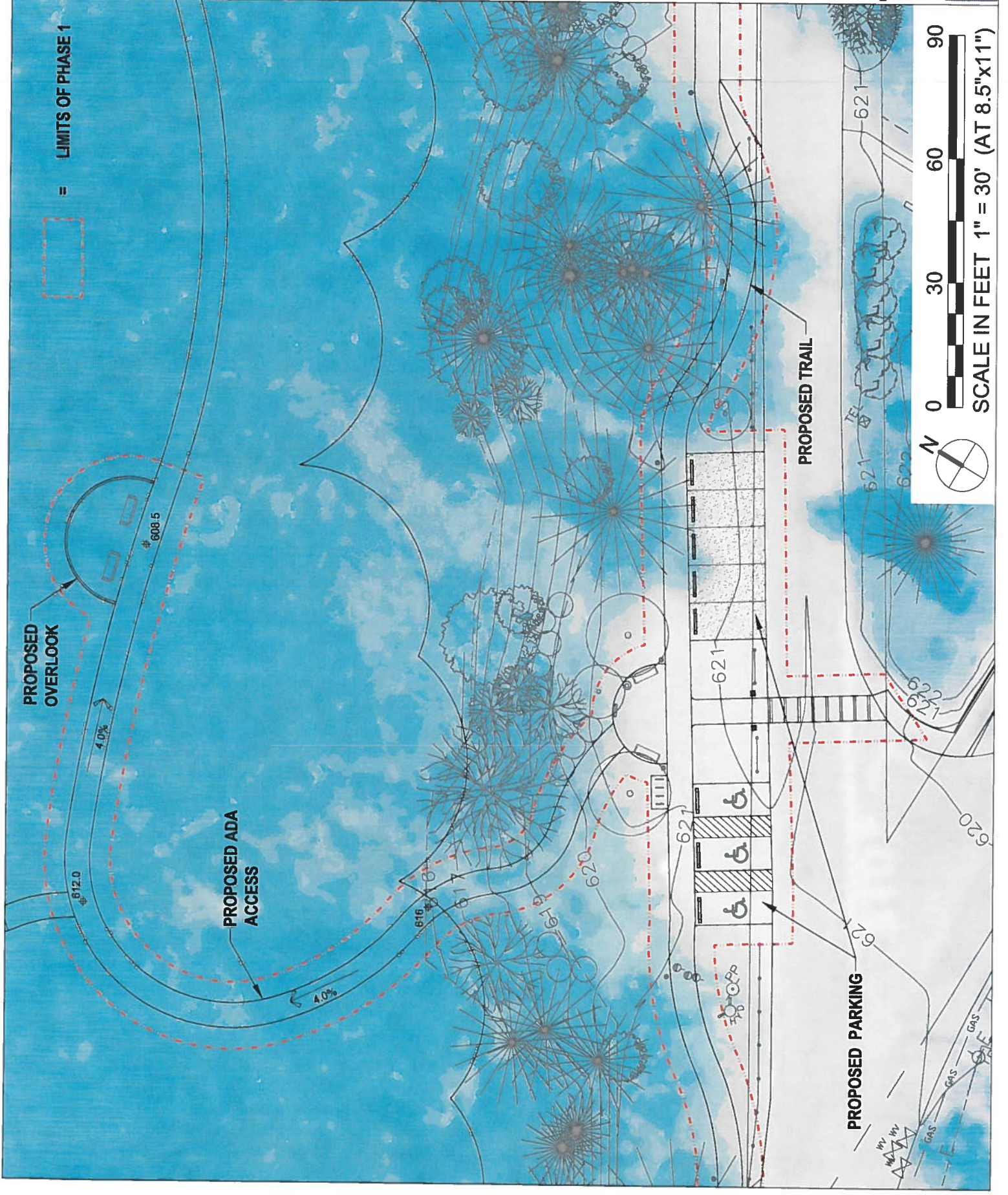


APPLICANT: CITY OF CHARLEVOIX
 WATERWAY: LAKE MICHIGAN
 CITY: CHARLEVOIX, MICHIGAN
 COUNTY: CHARLEVOIX COUNTY
 DATE: 03/12/2019
 DATUM: NAD83

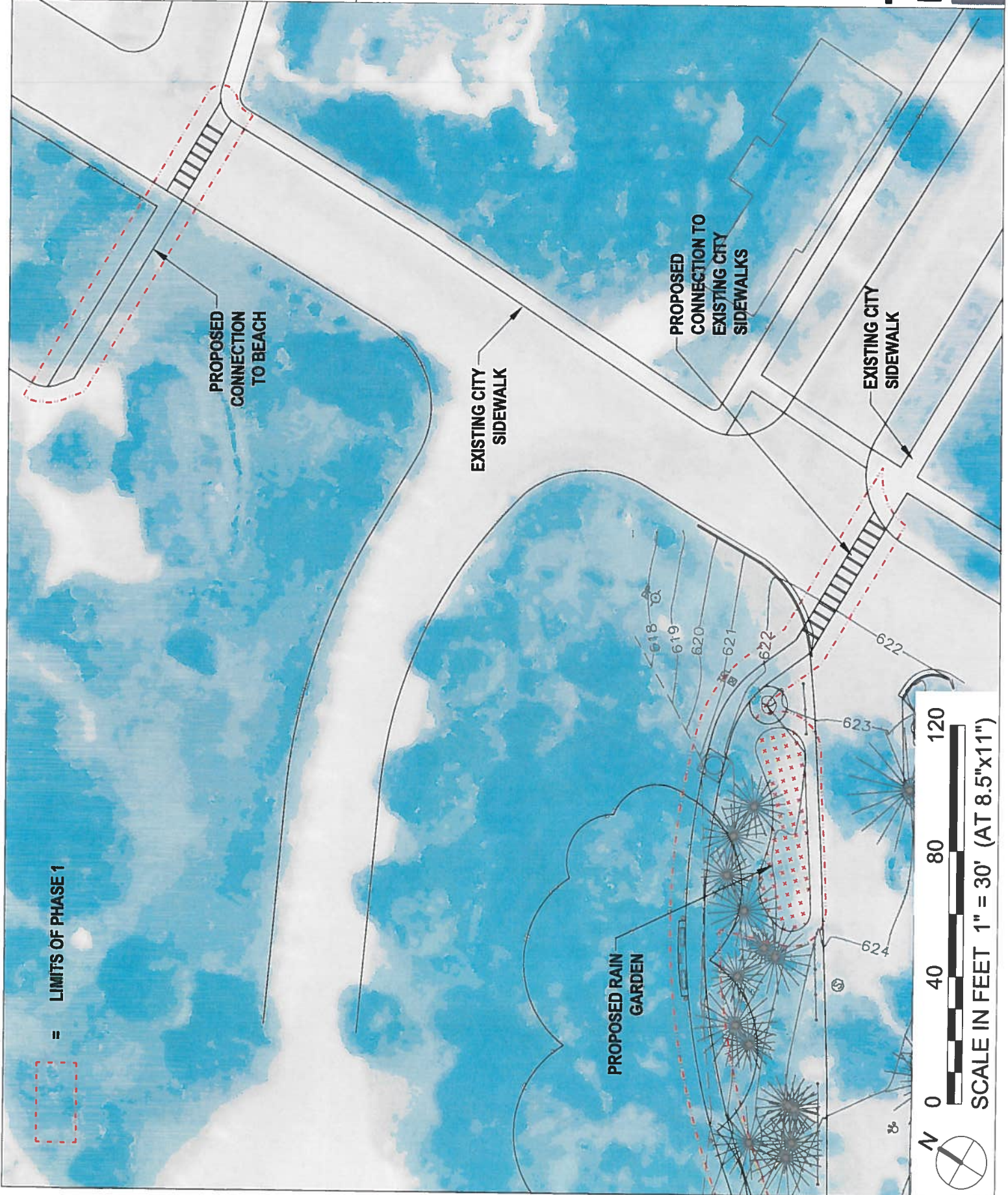
SITE OVERVIEW

Edgewater
 resources
 618 BROAD STREET, SUITE 200
 ST. JOSEPH, MI 49085
 P: 269 932 4502
 F: 269 932 3542





ENLARGEMENT 2



CITY OF CHARLEVOIX
RESOLUTION NO. 2021-03-03
RECREATION PASSPORT GRANT PROGRAM AUTHORIZATION

WHEREAS, the City of Charlevoix supports the submission of an application titled "Michigan Beach Park" to the Recreation Passport Grant Program for development of site improvements at Michigan Beach Park; and

WHEREAS, the City of Charlevoix is committed to increased use and development of trails; and

WHEREAS, the proposed application is supported by the current annual Capital Improvement Plan; and

WHEREAS, the City of Charlevoix is hereby making a financial commitment to the project in the amount of \$48,500 matching funds, in cash and/or force account.

NOW THEREFORE BE IT RESOLVED, that the City of Charlevoix through the City Council, authorizes submission of a Passport Grant Program Application for \$193,500; and

BE IT FURTHER RESOLVED, that the City of Charlevoix will make available its financial obligation amount of \$48,500 (25%) of the total \$193,000 project cost during the 2021-22 fiscal year.

RESOLVED this 30th day of March, 2021 A.D.

Resolution was adopted by the following yea and nay vote:

Yeas:

Nays:

Absent:

CHARLEVOIX CITY COUNCIL

All Other Actions and Requests

TITLE: Michigan Waterways Grant Update

DATE: March 30, 2021

PRESENTED BY: Kent Knorr, Recreation Director

BACKGROUND:

At the March 15th City Council meeting, the Recreation Department presented a proposal and Council passed a resolution supporting an effort to seek a DNR Waterways Commission Grant for replacement of the Ferry Beach Boat Launch skid piers at the value of \$74,750.

Since that time we have continued to meet with the Grant Supervisor from DNR/Waterways. Based on those meetings, they have clarified two items which we believe are important for City Council consideration.

First, they do not need or require a resolution of support until we are accepted for a grant.

Second, they stressed to us that we should consider requesting an amount that includes contingency funding. They stated that should the construction cost go over the amount that we apply for on the grant application, we would be responsible for the full amount above what we apply for. However, if we build contingency amounts into the application and costs exceed the quote, they would be split 50/50 up to the full amount of the grant application.

With that in mind, an additional 10% would take the project total to \$82,000. We feel that this would be a wiser amount to ask for on our application. It could increase the City's commitment by \$3,625.

RECOMMENDATION:

Motion to apply with the Michigan Waterways Commission at the projected cost of \$82,000 and thus set the City's committed match at \$41,000 and to authorize the City Manager to file the Grant Application with the Michigan Department of Natural Resources Waterways Commission and direct the City Manager to modify the 2021 Capital Improvement Plan accordingly.