

# SANDUSKY WHEELS PARK



2023

# ACKNOWLEDGMENTS

Thank you to everyone who shared their vision for Sandusky's future wheels park, especially all the community members who contributed their voices to the design.

## Project Team:

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Matt Hils, OHM Advisors  
John Lippus, OHM Advisors

This plan was prepared for:



This plan was prepared by:



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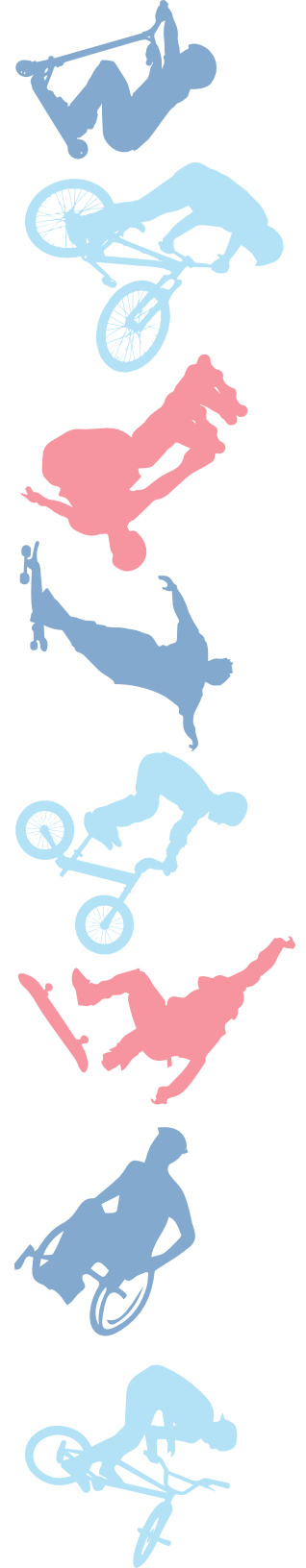
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01

# INTRODUCTION





# 01 INTRODUCTION

## Project Background

In 2022, the City of Sandusky began working with design consultant OHM Advisors and skate park expert Spohn Ranch. The City understood the need to enhance and expand its existing skate facility to meet the needs and desires of community members. Through an eight-month process, including community engagement and design iteration, the design team developed a concept that is unique to Sandusky and supported by the community. The final design features an inclusive facility that supports a variety of wheels, including wheelchairs, skateboarders, scooters, and BMX bikes.

This report provides the design framework and steps of concept development. The design is founded in an extensive existing conditions analysis, including a geotechnical report, as well as input from hundreds of community members. In Chapter 3, the preferred concept is shown through plan views and renderings to provide a sense of how users will experience the future space. A complete set of public survey data and geotechnical report are provided in the appendix.



*Existing site photos*



# EXISTING CONDITIONS





## *Legend*

- A** Skate Park, *approx. 11,000 SF*
- B** Pump Track, *approx. 9,000 SF*
- C** Parking Lot, *approx. 22 spaces*
- D** Access Drive
- E** Sandusky Bay Pathway
- F** Future Sandusky Justice Center
- G** Future Battery Park Development  
(Existing: Tennis Courts)
- H** Sandusky Sailing Club
- I** Sadler Sailing Basin
- J** Washington St. Pier
- K** Cell Tower

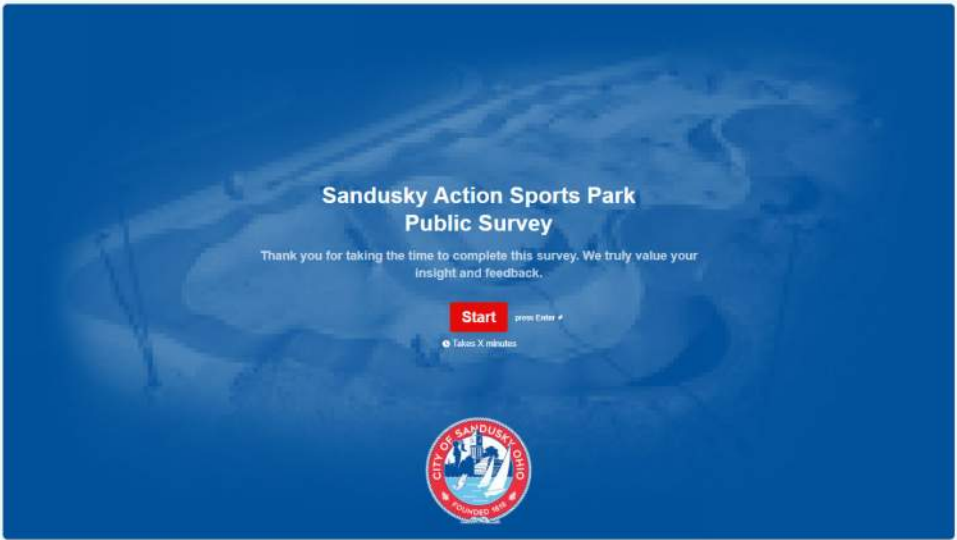
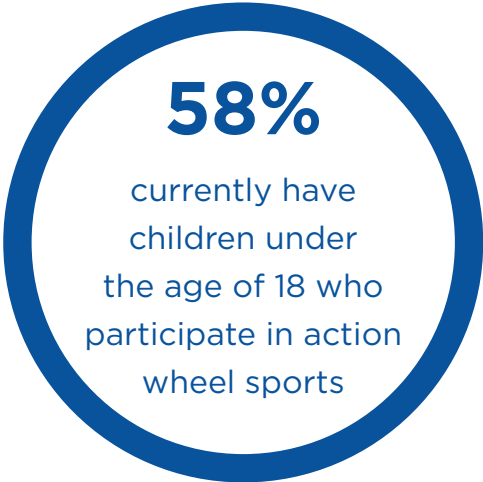


*Existing site photos*



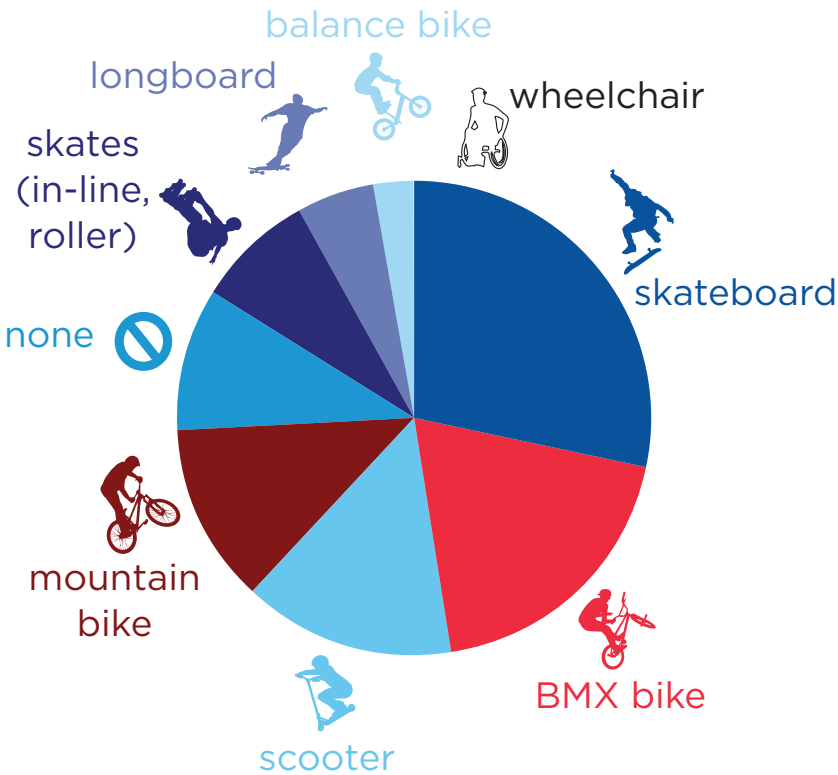
# Existing Conditions Survey

The first public survey gathered information on how community members use the existing skate park and how their experience could be improved. **The survey received 101 responses.** The findings were used by the project team to begin exploring design options.



Community members were invited to share their thoughts on the existing skate park in the first public survey.

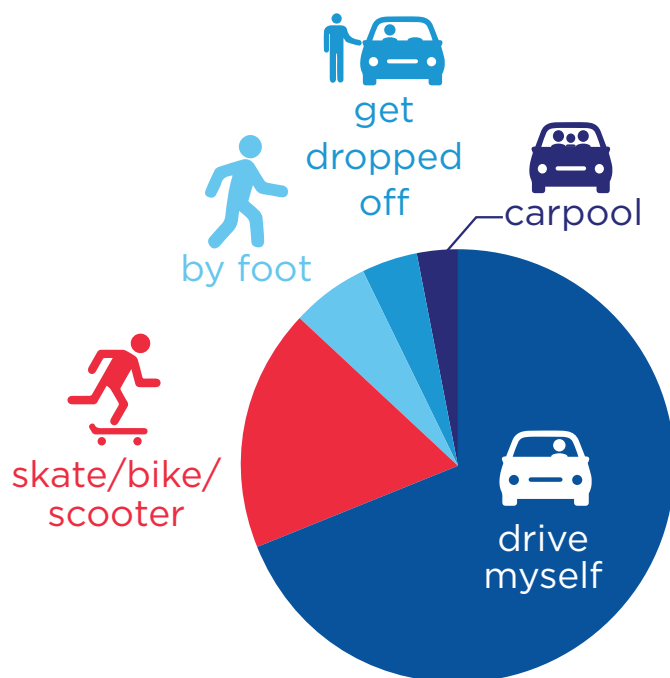
## preferred wheels



## skill level



## primary access method



## frequency of use



## favorite existing skate park elements

- #1 ledge
- #2 embankment
- #3 transition
- #4 quarter pipe
- #5 mini ramp
- #6 rail
- #7 roll-in
- #8 open/freestyle space
- #9 kicker/launch
- #10 vert ramp

**52%**

of respondents said they would use the park daily or weekly



*dislikes about the  
existing skate park...*

**poor flow and  
lots of wasted  
space**

**eggshell falling  
apart**

**small size / needs  
to be more open**

**lack of  
maintenance /  
poor condition**

**features  
not made of  
concrete**

**no shade**

**lack of bowl and  
half-pipe**

**features are not  
designed for skill  
progression**

**geared toward  
skateboards and  
not all wheels**

**unsafe / dangerous**

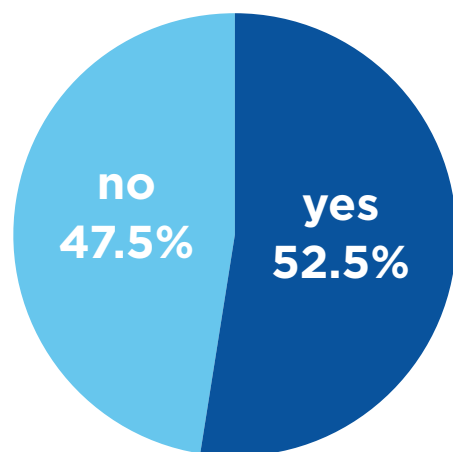


***favorite parks in the region***

- 1** Ray's Indoor BMX  
Bay Village Skate Park
- 2** Chenga World
- 3** Ann Arbor Skate Park
- 4** Hudson Veteran's Way Skate Park
- 5** Erie Canal Pump Track
- 6** Lakewood Skate Park  
Crooked River Skate Park  
Bowling Green Skate Park  
Pacesetter Skate Park  
Dublin Skate Park



*do you currently ride  
the pump track?*



*favorite existing  
pump track elements*

- #1** rollers
- #2** jumps
- #3** snake run
- #4** berms
- #5** length of track

*satisfaction with  
existing pump track*



*dislikes about the  
existing pump track...*

**lack of  
maintenance**

would rather  
have a mellow  
"snake run"

**small size /  
too short**

**surface too rough  
/ not skateboard  
friendly**

**not enough  
jumps**

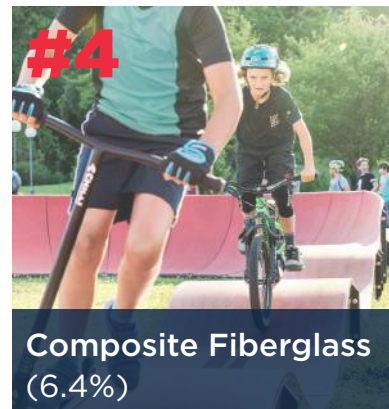
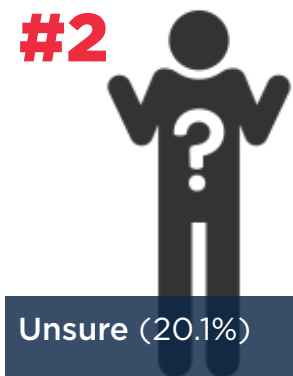
**it's great! -  
good place for  
kids**

**tight turns & too many  
points of conflict**

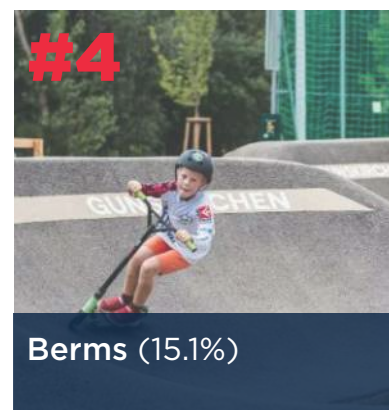
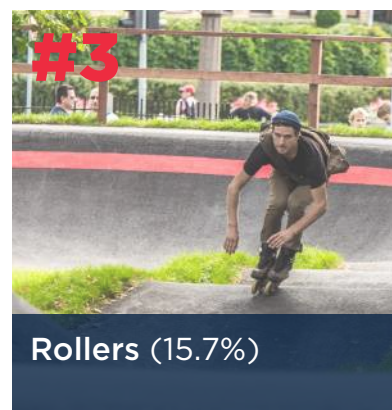
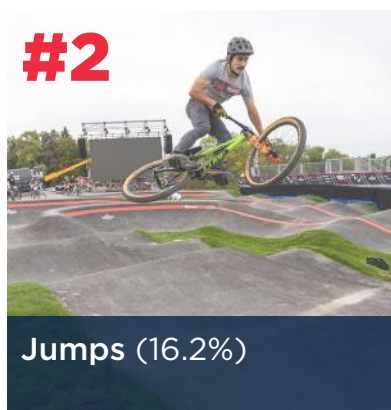
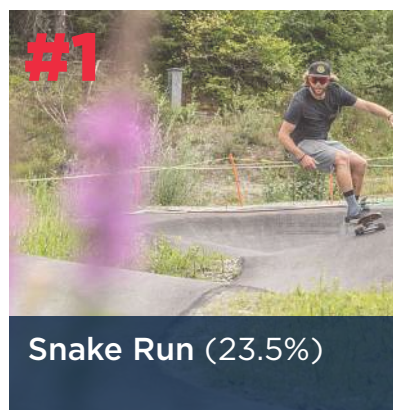
**no shade &  
seating areas**



## Preferred Material for Pump Track

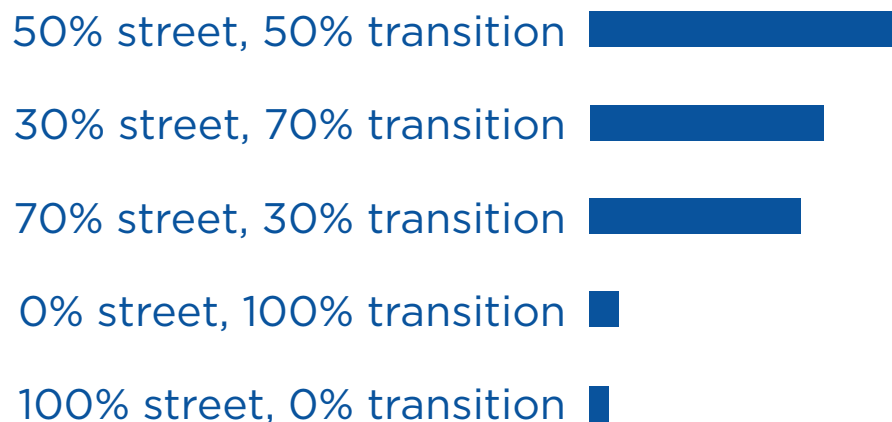
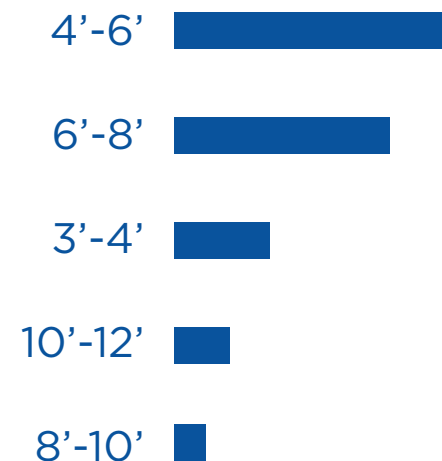
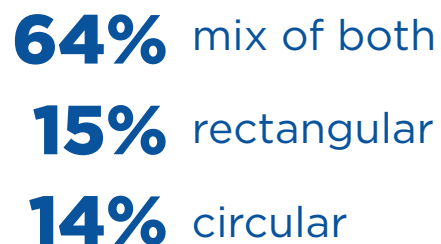
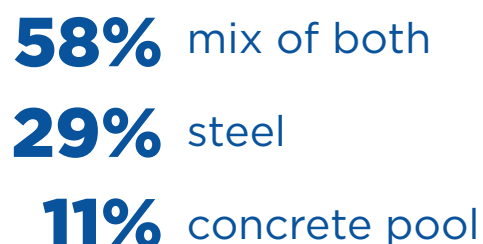
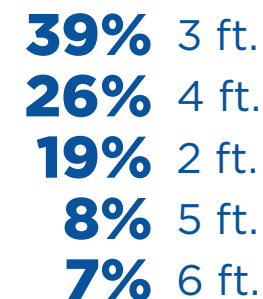


## Preferred Features for Pump Track



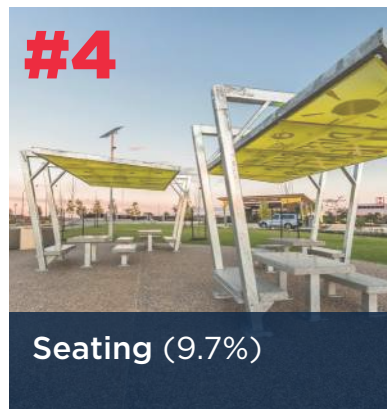
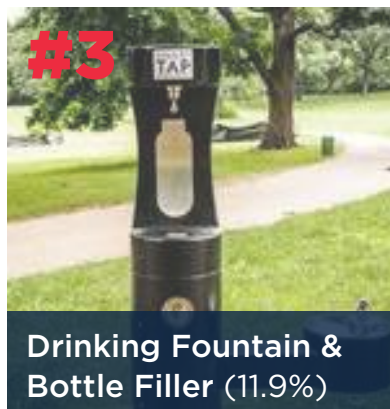
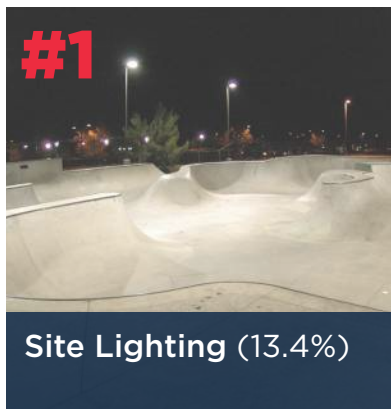
**#6** Dueling / mirrored racing tracks (9.9%)

**#7** Wheelchair Track (6.2%)

*street-transition ratio**preferred bowl depth**preferred grind  
rail style**preferred bowl  
coping**preferred roller  
height*



## Top Site Amenities



**#6** Shade Trees (8.6%)

**#7** Public Art (8.5%)

**#8** Repair Station (5.4%)

**#9** Parking Lot (5.2%)

**#10** Landscape / Beautification (4.4%)

### *additional comments and/or questions...*

“ we need an area for younger kids just learning. My daughter is 3. She scooters, learning to skateboard and learning to ride a bike, there is nowhere for her ”

“ Street art would be amazing to add ”

“ Thank you! Skateparks are great for the community. We travel all over to our favorite parks spending the day and eating in local restaurants. ”

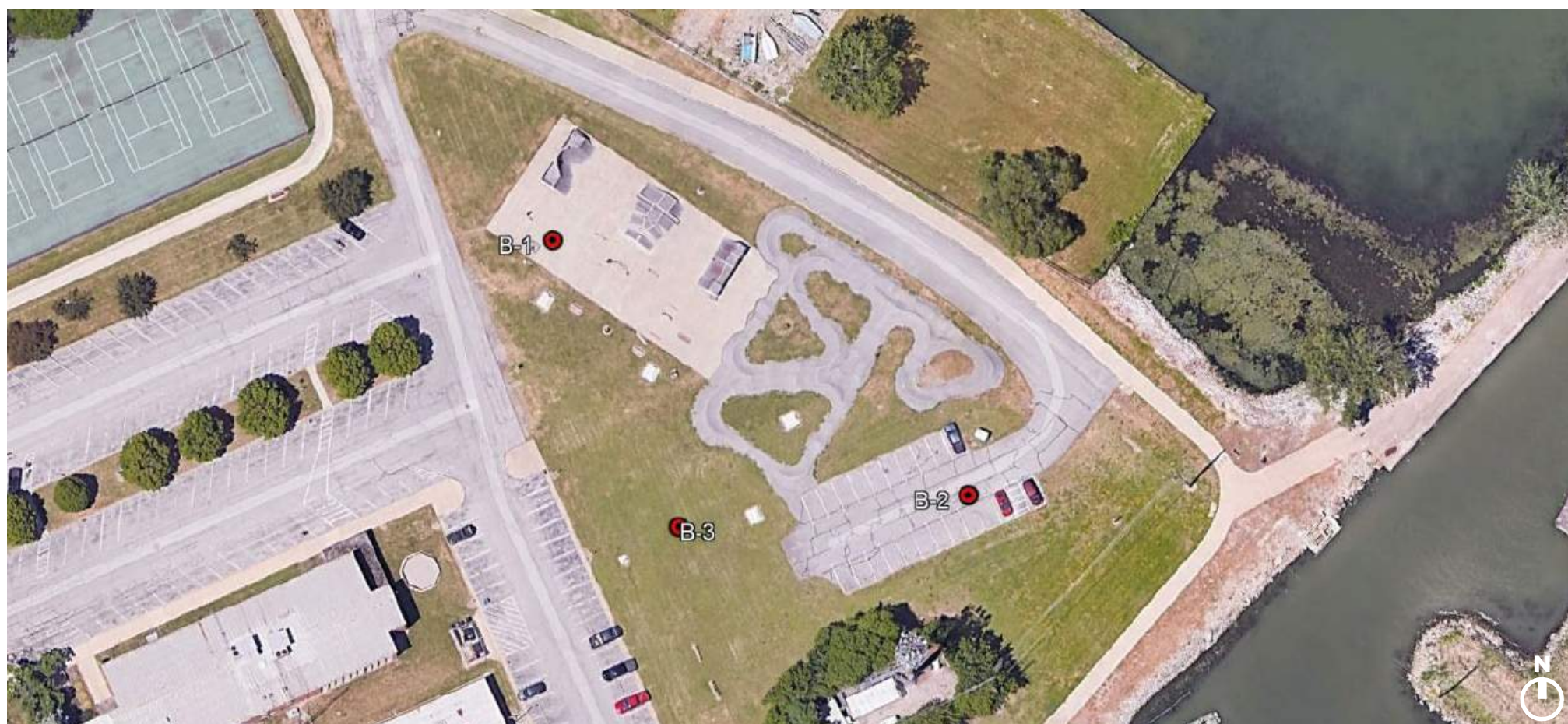
“ We need to make sure this park is designed for all types of riders...You need to have features that appeal to all. It should be a progression from beginner to intermediate. Don't make it so everything is congested and kids are just getting hurt because there's no room or the right flow... Make this something that people will travel hours to get to... ”



## Geotechnical Report Findings

A geotechnical survey was conducted on the site to determine earthwork operations and installations. The following map shows the location of three borings taken on site.

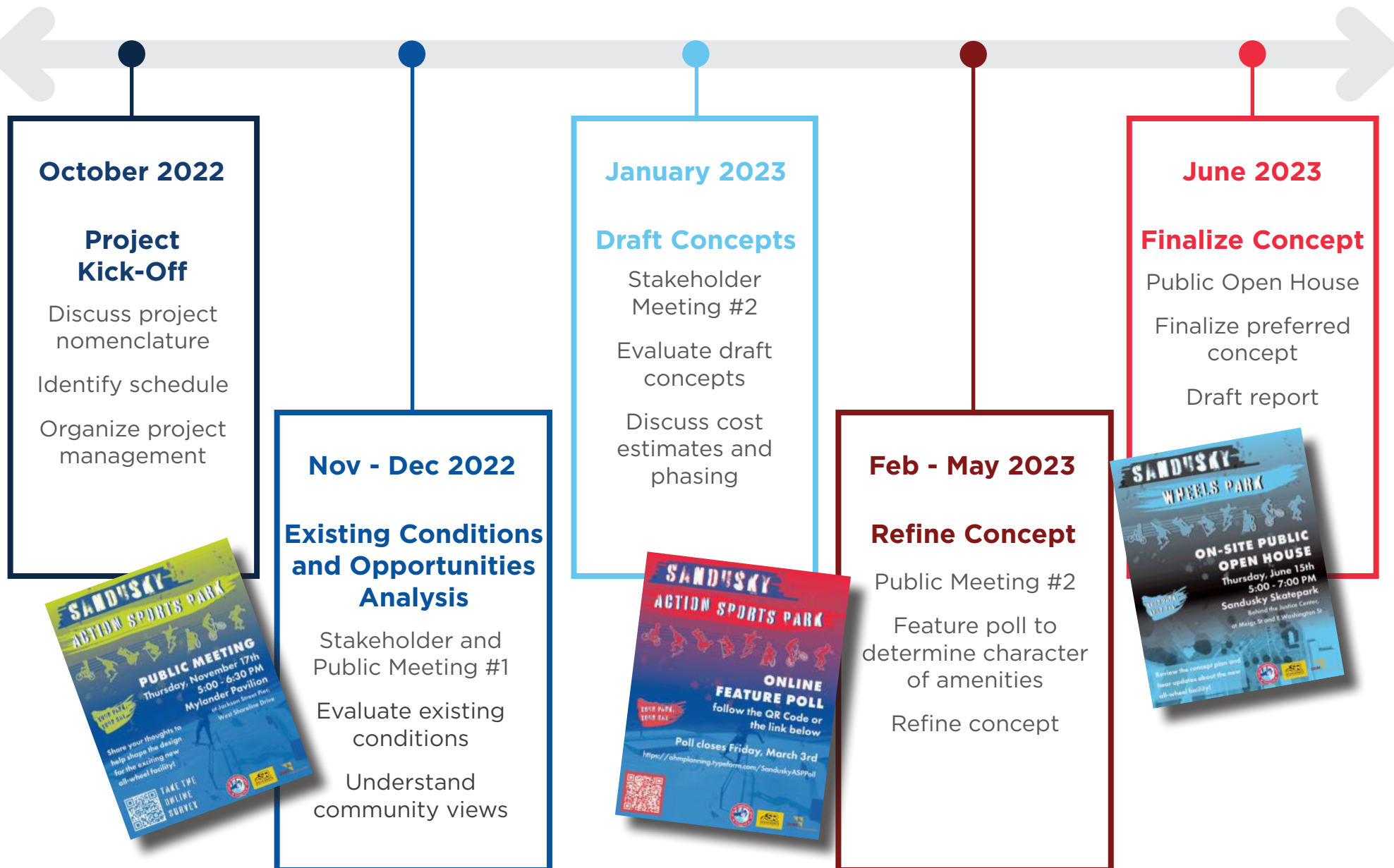
For the complete report, see the Appendix.



*Geotechnical boring locations*



## Design Process







Site photos



02

# PROJECT DEVELOPMENT



# 02 PROJECT DEVELOPMENT

## Overview

The design is built on the desires and aspirations of Sandusky community members. As part of the design development, public engagement featured two public meetings and three online surveys to provide an opportunity for the public to share their ideas. During these discussions, the concept evolved to ensure the design worked best for the community. The preferred concept plan is provided in the following chapter.



*Public meetings provided an opportunity for the project team to speak with community members about what they wanted in a new skate park.*





## Stakeholder and Public Meeting #1 Survey

The second public survey gathered feedback on a draft concept. **The survey received 104 responses.** The findings were used by the project team to refine the concept and ensure the design aligned with the community's vision.

“

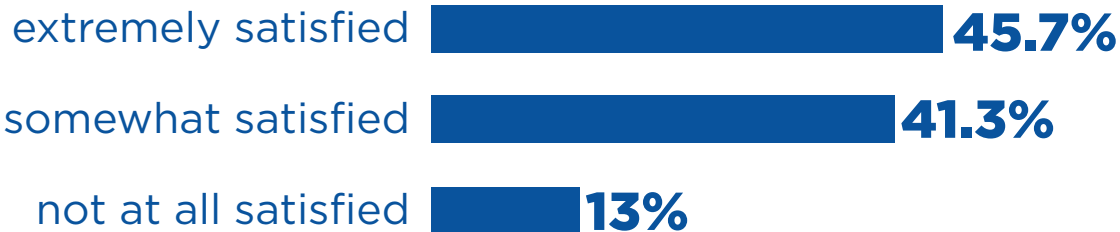
Are there any features that can be used by kids with accessibility issues, such as children and young adults in wheel chairs?

”

“

Add crease to current hip rather than it be a roll over”

## *satisfaction with proposed street elements*



## *what changes would help satisfy you?*



## *satisfaction with proposed jump line*



“ doesn't seem to be BMX friendly at all, it's not flowable. ”

“ Too congested. It'll be a safety hazard. Needs to be separated. ”

“ Make sure multiple people can [use] this area at one time. ”

## *what changes would help satisfy you?*

**move to non-central location** **big air quarters**

**ensure proper drainage** **wider box jump** **bigger for scooters**

**boat in dangerous spot** **add spine with deck**



## *satisfaction with proposed bowl*



“...Laid back 6-7 ft. radius transition would be nice. Too tight of a transition in a flow bowl like this severely decreases the usability.”

“Needs to be deeper, steeper, and faster!”

“Add a ‘death box’ in the deep end...If others want a bigger bowl, the shallow end could be 4 ft. and deep 6 ft. with a roll-in at the shallow end.”

## *what changes would help satisfy you?*





## satisfaction with proposed pump track



13 of 18 want to  
see it eliminated

“Is what it is, but definitely the aspect that will be the least used and biggest waste of space.”

“...using the money to make some banks, boxes, and slappy curb features would be awesome, cheap, and wildly popular... buuuut if the city really wants one, having a super small one... isn't the worst of things”

## what changes would help satisfy you?

“This is a skateboard pump track”

use space for  
other skate  
features

move to  
perimeter

will be least  
used

longer (like  
it is now)

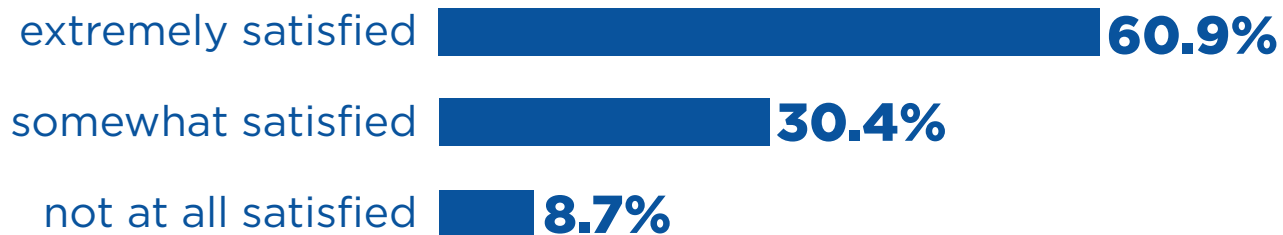
bigger

waste of space

more bike  
friendly



## *satisfaction with proposed beginner area*



“ Add 3 sizes of quarter pipes: 1 ft., 3ft., 5ft. for beginners ”

“ Add a ledge at various heights ”

“ ...small manual pads, slappy curbs are deeply needed here... half pyramid would be cool ”

*what changes would help satisfy you?*



## *satisfaction with proposed overall design*



“ Everything looks fantastic, just a few too many grind ledges, replace 1 or 2 with some unique manual pads...also the sail looks kinda dangerous, but it looks like a fun obstacle without! ”

“ Needs to be something other than a rectangle like we have. Not using the land very well. ”

“ You won't be able to please everyone. Just make a great all-around park for future generations to enjoy! ”

## *what changes would help satisfy you?*

add a manual pad

spine

need a bigger bowl

box jump

separate different “flow speeds” more

angular pyramids

more “destination” quality obstacles



## Public Meeting #2 and Feature Poll

The third public survey was used to further refine the character of site amenities.

**The survey received 46 responses.** The findings were used by the project team to finalize the concept before the public open house.

## *Preferred Type of Bowl with Mini-Ramp*



Flow Bowl with Mini Section (74%)



Small Bowl with Mini Section (18%)



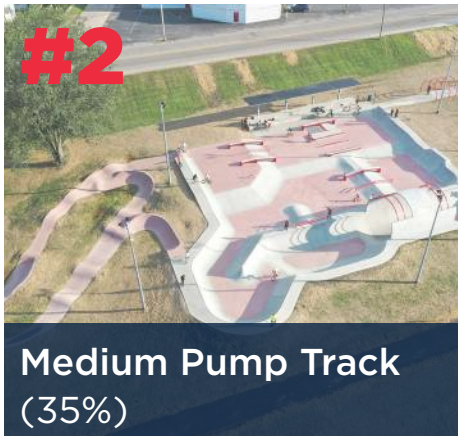
Open Bowl with Mini Section (8%)



## ***Preferred Type of Concrete Pump Track***



**Small Pump Track (39%)**



**Medium Pump Track (35%)**



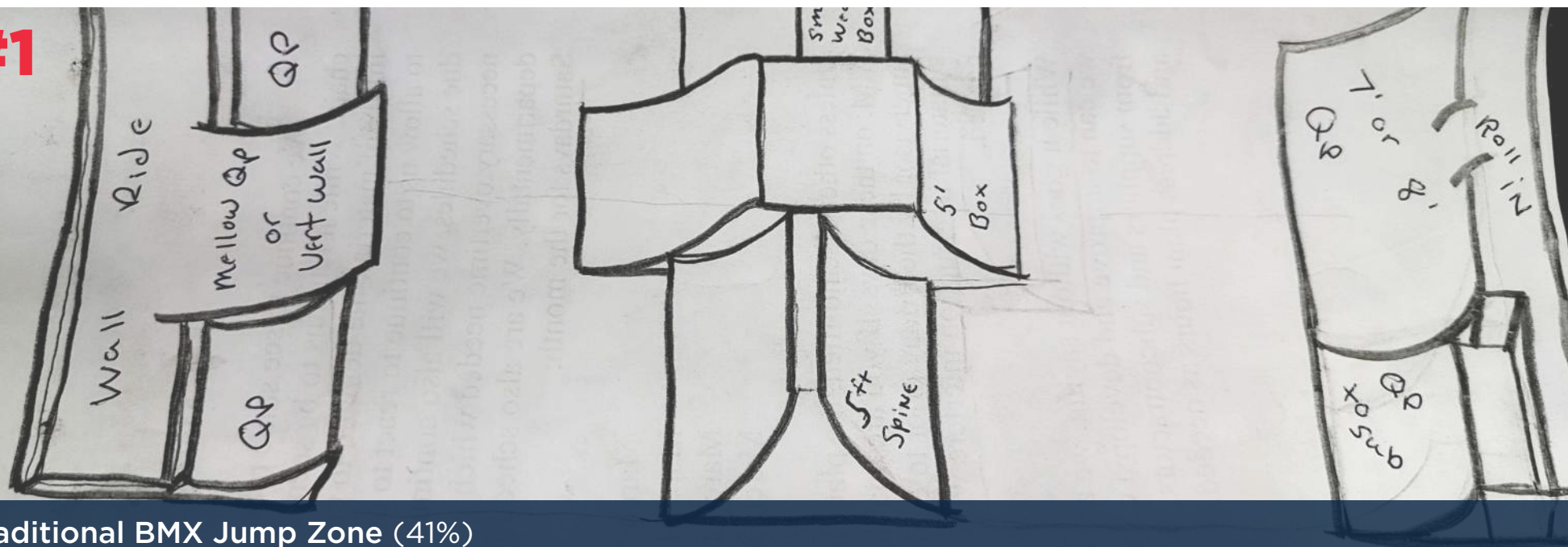
**Large Pump Track (26%)**

*Public Meeting #2 and Feature Poll*



## Preferred Type of Jump Line

**#1**



Traditional BMX Jump Zone (41%)

**#2**



Organic Curvilinear  
Jump Zone (38%)

**#3**



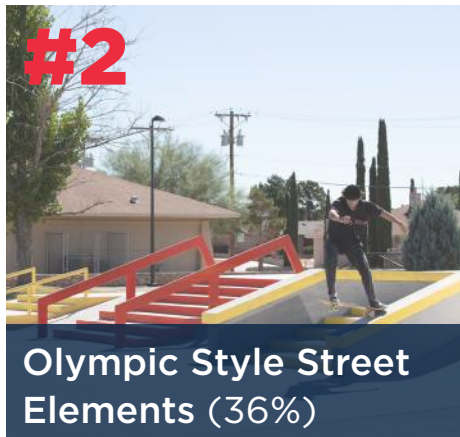
Separated Jump Line  
(21%)



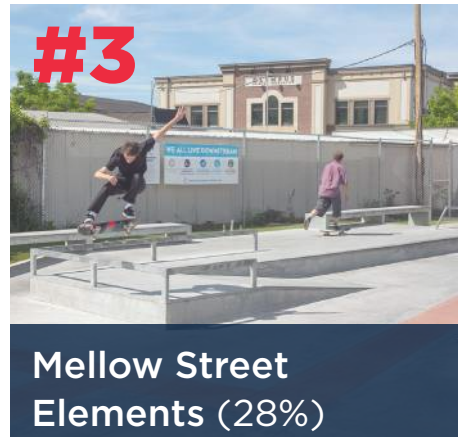
## *Preferred Type of Street Elements*



**Architectural Street Elements (36%)**



**Olympic Style Street Elements (36%)**

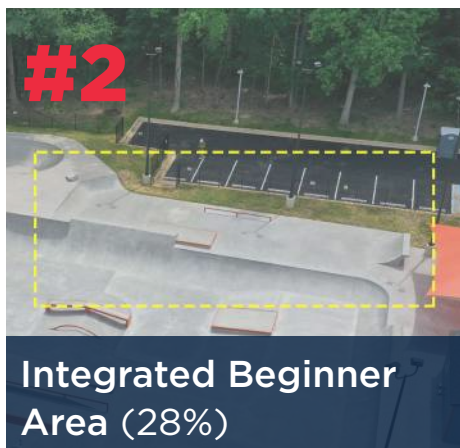


**Mellow Street Elements (28%)**

*Public Meeting #2 and Feature Poll*



## ***Preferred Type of Flat Beginner Area***



*Public Meeting #2 and Feature Poll*





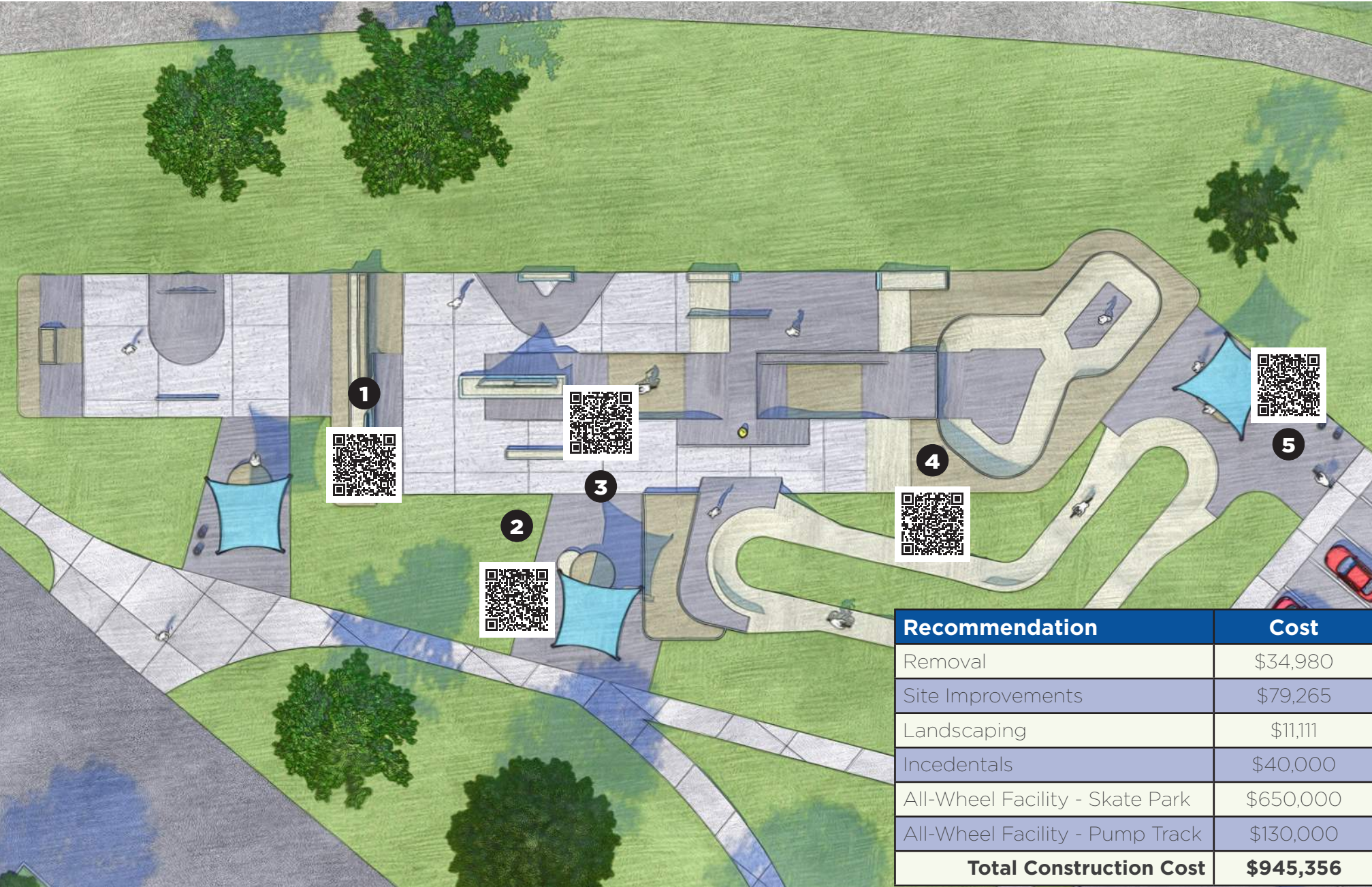
## Public Open House

The public open house featured an interactive map with QR codes that allowed attendees to experience the design in 3D. The feedback was used to finalize the concept before construction.





# PRELIMINARY CONCEPT

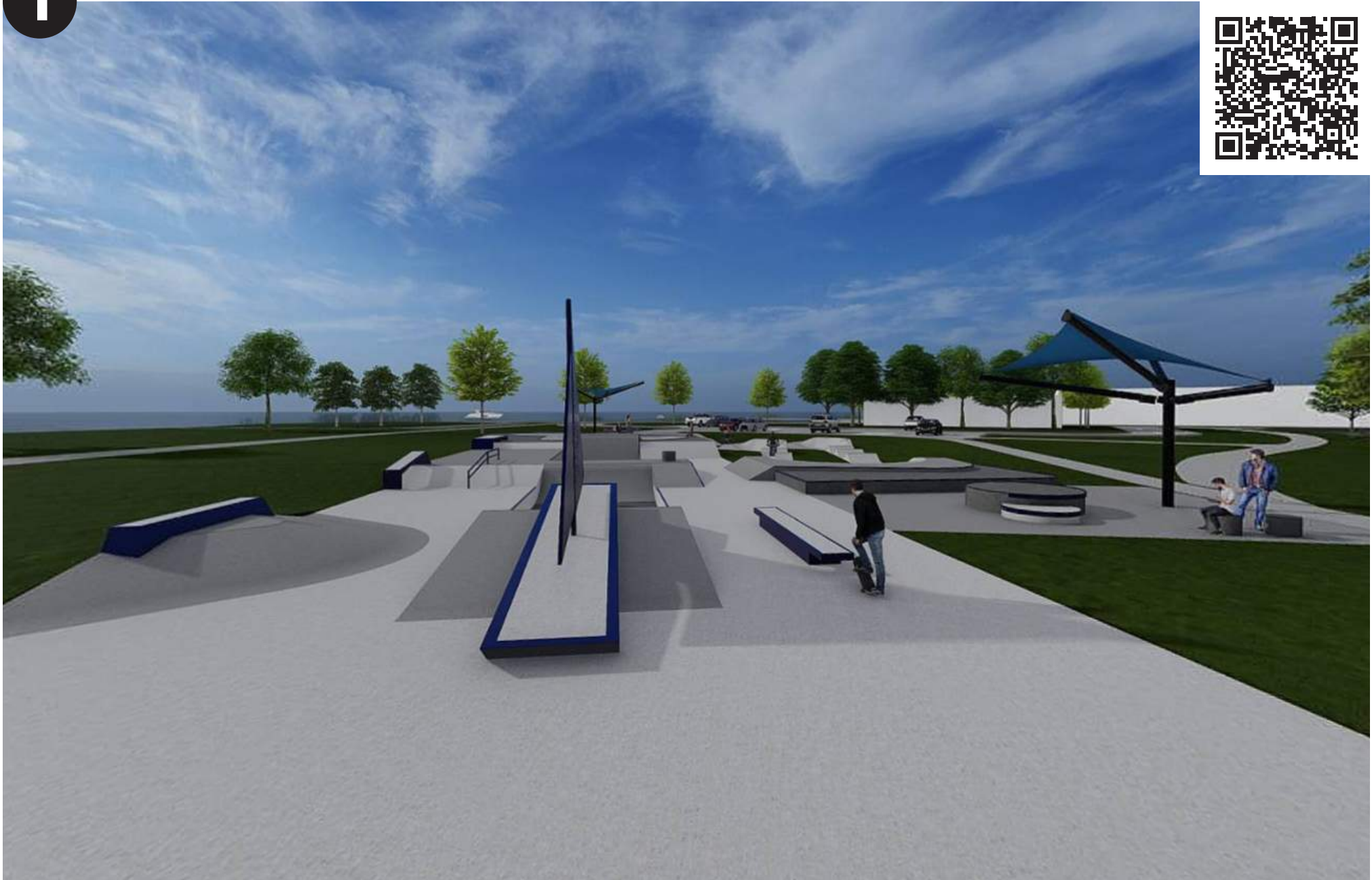
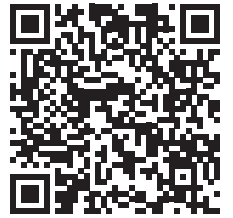


Recommendation	Cost
Removal	\$34,980
Site Improvements	\$79,265
Landscaping	\$11,111
Incedentals	\$40,000
All-Wheel Facility - Skate Park	\$650,000
All-Wheel Facility - Pump Track	\$130,000
<b>Total Construction Cost</b>	<b>\$945,356</b>



1

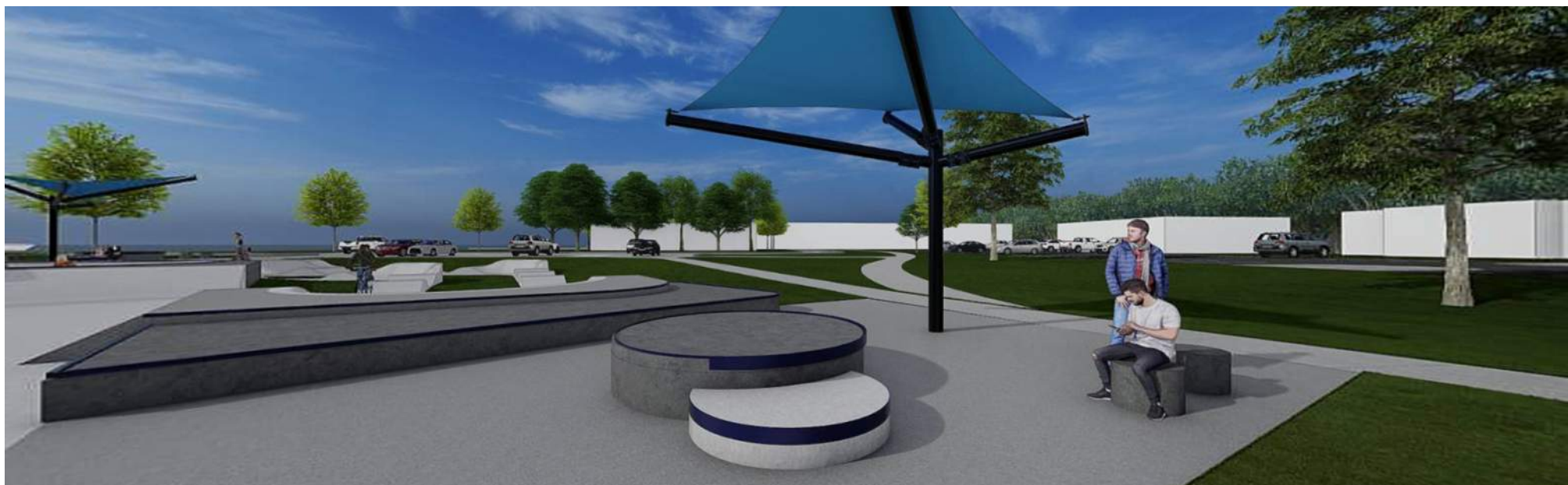
*Scan the QR code to view the concept in 360 degrees!*





2

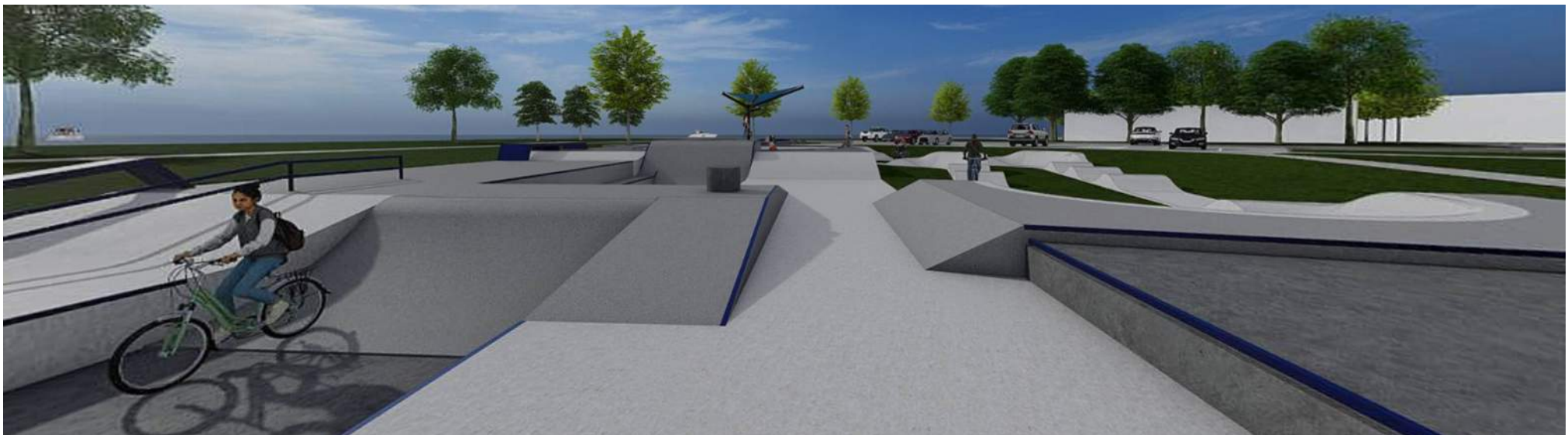
Scan the QR code to view the concept in 360 degrees!





3

Scan the QR code to view the concept in 360 degrees!

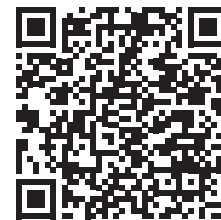






4

Scan the QR code to view the concept in 360 degrees!





5

*Scan the QR code to view the concept in 360 degrees!*





03

# PREFERRED CONCEPT PLAN



# 03 PREFERRED CONCEPT PLAN

## Preferred Concept

The preferred concept for the Sandusky Wheels Park is a synthesis of technical skate park expertise and feedback from the community.



Character images

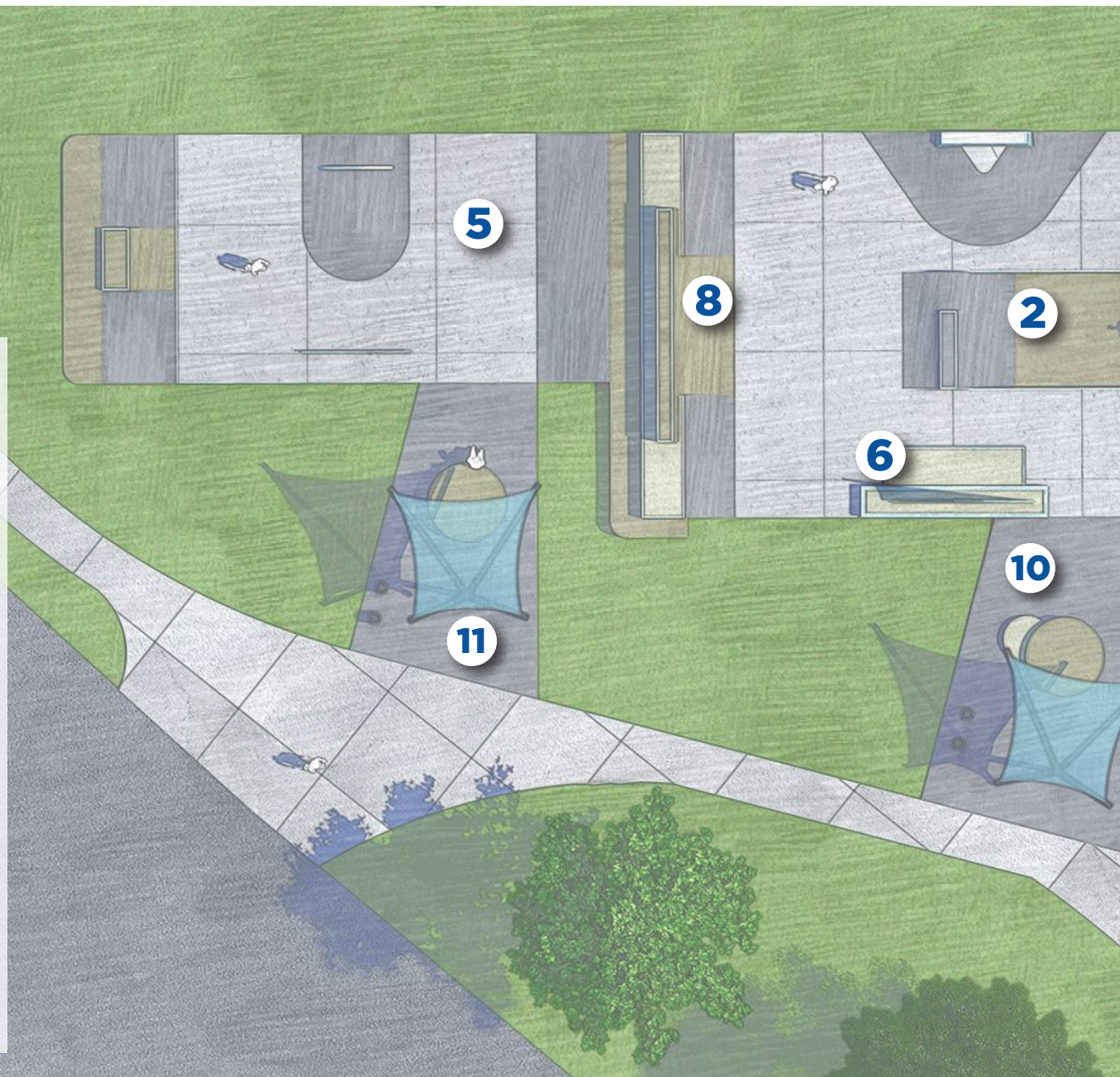




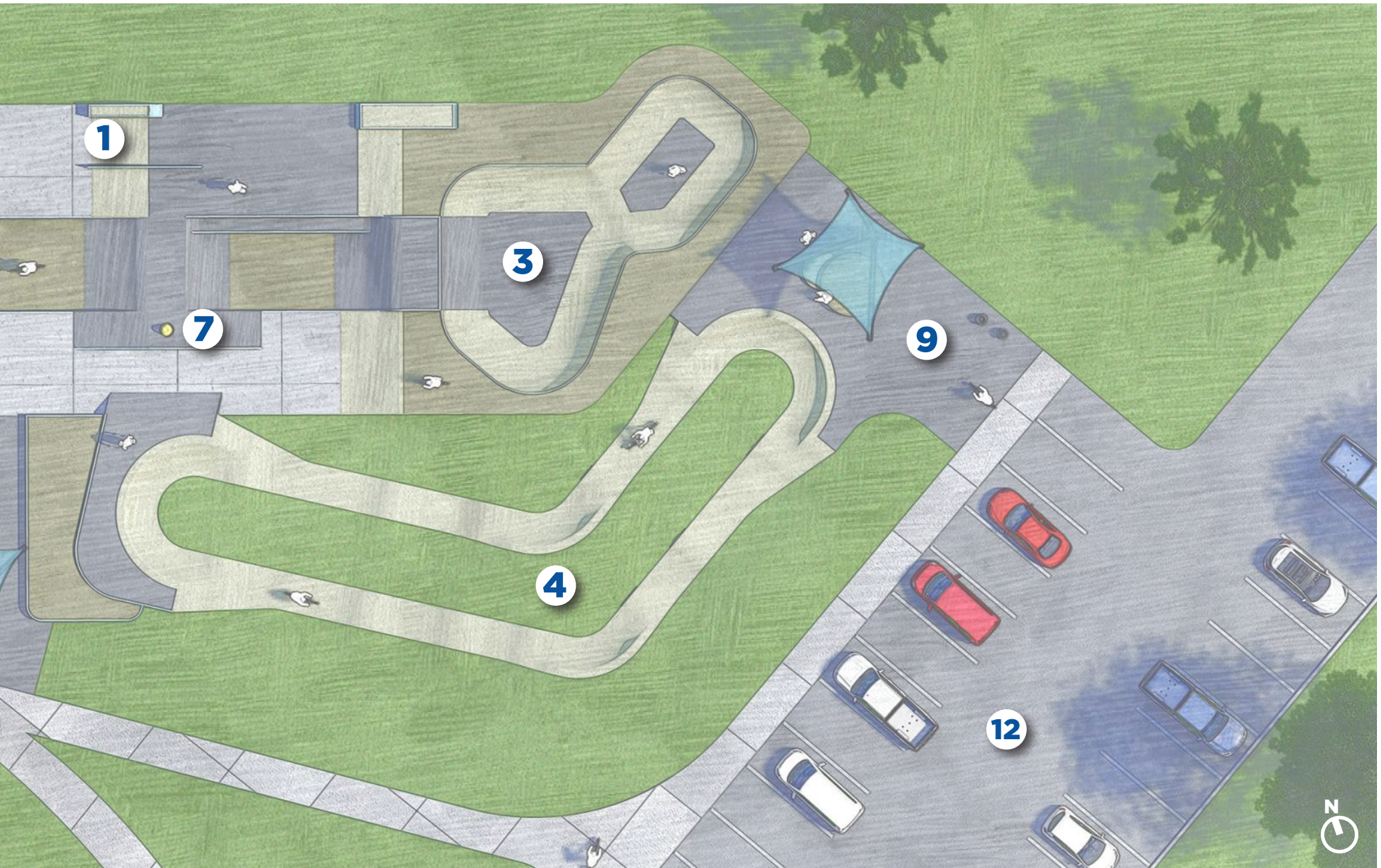
# PREFERRED CONCEPT PLAN (PHASE 1)

## *Element Legend*

- 1** Street Elements
- 2** Jump Line
- 3** 3.5' - 5' Bowl
- 4** Pump Track
- 5** Beginner Area
- 6** Sailboat Sculpture w/ Slappy Curb
- 7** Buoy Sculpture
- 8** Quarter-Pipe Combo
- 9** Spectator / Access Point
- 10** Spectator / Access Point
- 11** Spectator / Access Point
- 12** Improved Parking Lot











## PREFERRED CONCEPT RENDERINGS (PHASE 1)



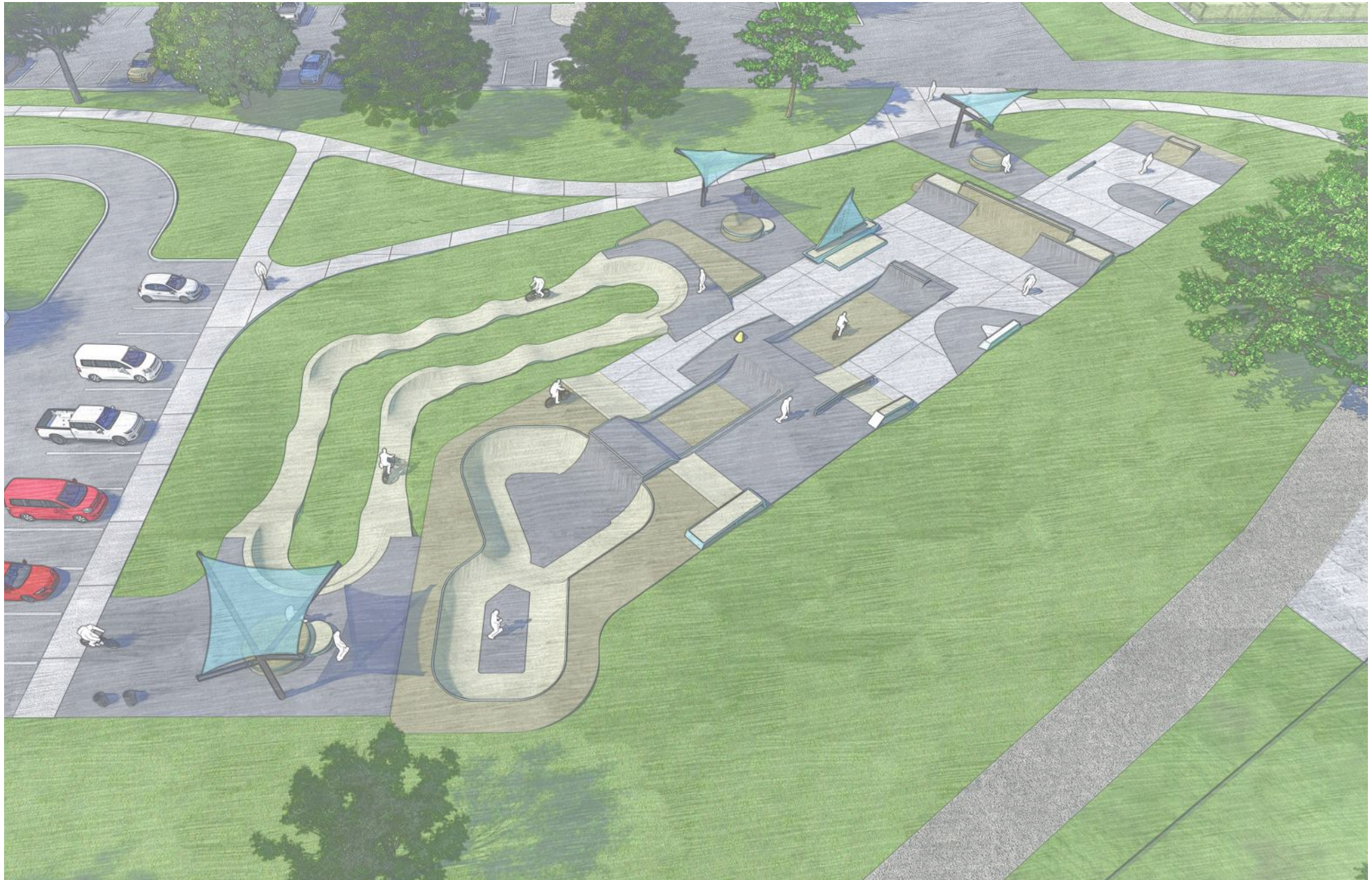




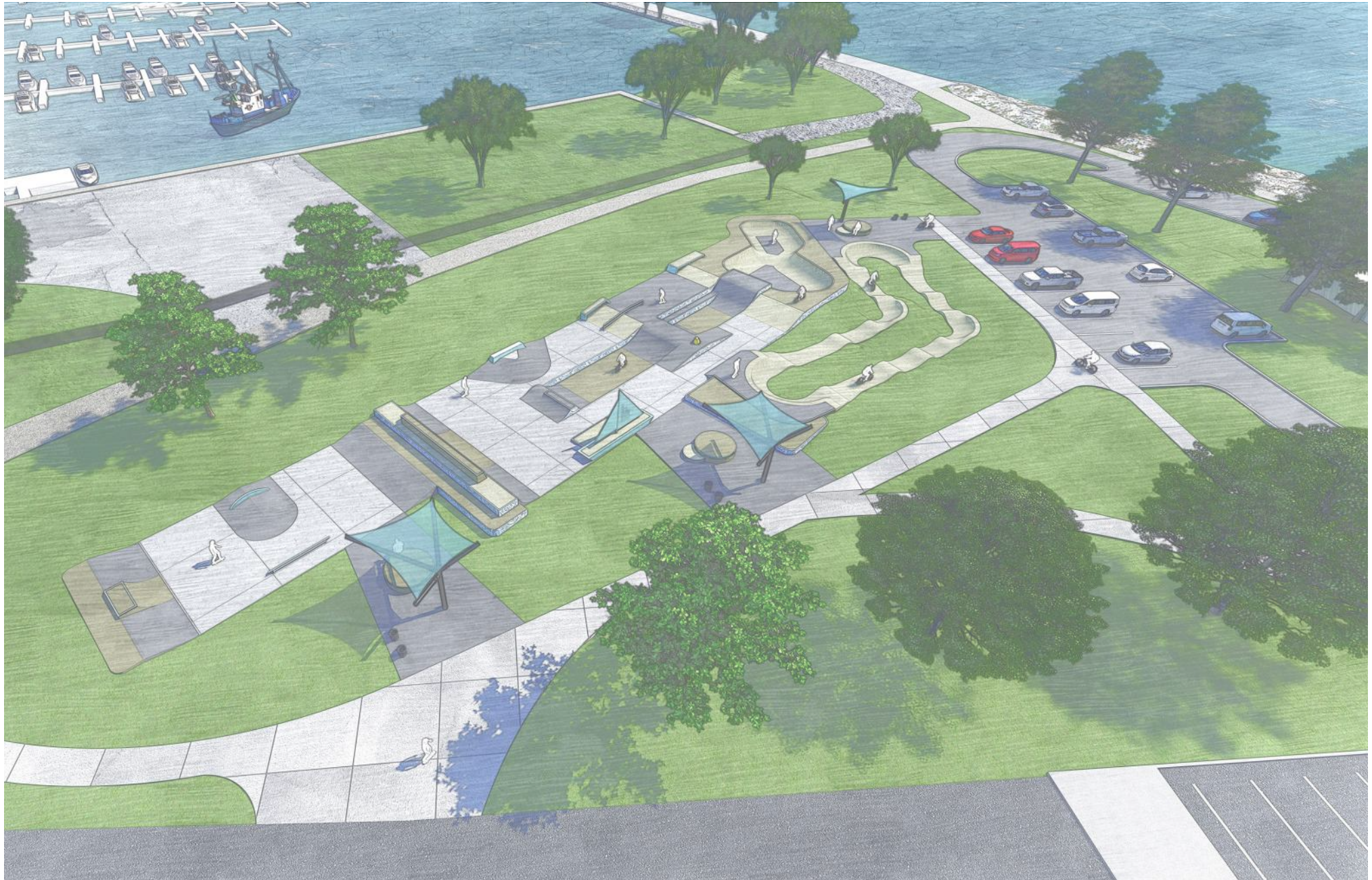




## PREFERRED CONCEPT RENDERINGS (PHASE 1)











# PREFERRED CONCEPT PLAN (PHASE 2)

## *Element Legend*

- 1** Phase 1 Wheels Park
- 2** Expanded Entry Plaza with “Sun Steps”
- 3** Plaza / Drop-Off
- 4** Remove Existing Access Drive
- 5** Reconfigured Vehicular Circulation
- 6** New Justice Center Public Parking
- 7** New Justice Center Secure Parking



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04

APPENDIX



# Geotechnical Report



Professional Service Industries, Inc.  
5555 Canal Rd., Cleveland, OH 44125  
(216) 447-1335 (P) & (216) 642-7008 (F)

November 4, 2022

Mr. Matt Hils, PLA, ASLA  
Principal  
OHM Advisors  
6001 Euclid Ave, Suite 130  
Cleveland, OH 44103

Re: Geotechnical Subsurface Exploration Report  
Proposed Skate Park  
NEC of Meigs St and E. Washington St.  
Sandusky, OH 44870  
**PSI Project No.: 0142-2651**

Dear Mr. Hils:

Per your request, Professional Service Industries, Inc. (PSI) is pleased to submit this Geotechnical Engineering Services Report for the above referenced project. The results of this exploration, together with our recommendations are to be found in the accompanying report.

After the plans and specifications are complete, PSI should review the final design and specifications in order to verify that the earthwork and recommendations are properly interpreted and implemented. **It is considered imperative that the geotechnical engineer and/or its representative be present during earthwork operations and installations to observe the field conditions with respect to the design assumptions and specifications. PSI will not be held responsible for interpretations and field quality control observations made by others.**

If you have any questions pertaining to this report, please contact our office at (216) 447-1335. PSI would be pleased to continue providing geotechnical services throughout the implementation of the project, and we look forward to working with you and your organization on this and future projects.

Respectfully submitted,

PROFESSIONAL SERVICE INDUSTRIES, INC.

Zaineddin Obeid  
Project Manager

Alagaiya Veeramani, P.E.  
Principal Consultant

## Subsurface Exploration Report

### For the Proposed

Skate Park  
NEC of Meigs St and E. Washington St.  
Sandusky, OH 44870

### Prepared for

OHM Advisors  
6001 Euclid Ave, Suite 130  
Cleveland, OH 44103

### Prepared by

Professional Service Industries, Inc.  
5555 Canal Road  
Cleveland, OH 44125

**PSI Project No. 0142-2651**



Zaineddin Obeid  
Project Manager

Alagaiya Veeramani, P.E.  
Principal Consultant



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## APPENDIX

BORING LOCATION PLAN  
BORING LOGS  
GRAIN SIZE GRAPH  
ATTERBERG LIMIT  
GENERAL NOTES  
USCS SOIL CLASSIFICATION CHART

## 1 PROJECT INFORMATION

### 1.1 PROJECT AUTHORIZATION

This report presents the results of a geotechnical subsurface exploration and evaluation conducted for OHM Advisors in connection with the proposed skate park to be located northeast of the intersection of Meigs Street and East Washington Street in Sandusky, Erie County, Ohio. PSI's services for this project were performed in accordance with PSI Proposal No. 0142-376590, dated June 20, 2022. Authorization to perform this exploration and analysis was in the form of sub consultant agreement with OHM Advisors, dated October 7, 2022 and signed by Mr. Matt Hills, principal of OHM on October 19, 2022.

### 1.2 PROJECT DESCRIPTION

Based on the provided information, the proposed project includes construction of a new skate park facility to replace the existing skatepark. The new skate park will be constructed on concrete slab-on-grade measuring approximately 4 inches in thickness. The size/extent and specific layout of the new skate park were not available at the time of this report submittal.

No topographic plans were provided at the time of this report. However, based on google earth, the site within the park area is relatively flat, sloping gently from south to north with an elevation difference about 3 feet (579' MSL to 576' MSL). No grading information was available at the time of this report submittal. However, it is anticipated that maximum cut/fill operations of less than 2 feet will be necessary for the proposed development.

The geotechnical recommendations presented in this report are based on the available project information, the proposed location and orientation of the skate pad on the site and the subsurface materials described in this report. If any of the information we have been given or have assumed is incorrect, please contact us so that we may amend the recommendations presented accordingly. PSI will not be responsible for the implementation of its recommendations when it is not notified of changes in the project.

### 1.3 PURPOSE AND SCOPE OF SERVICES

The purpose of this study was to explore the subsurface conditions at the site and to prepare recommendations, site preparation, and other construction considerations. Our scope for this service included a project site reconnaissance, drilling and sampling three (3) test borings, completing a laboratory testing program, and submitting an engineering analysis and evaluation of the surface materials.

The scope of services for the geotechnical exploration did not include an environmental assessment for the presence or absence of wetlands or hazardous or toxic materials in the soil, surface water, groundwater or air, on or below or around this site. Any statements in this report or on the boring logs regarding odors, colors or unusual or suspicious items or conditions are strictly for the information of the client. PSI's scope also did not include any service to investigate or detect the presence of moisture, mold or other biological contaminants in or around any structure, or any service that was designed or intended to prevent or lower the risk of the occurrence or the amplification of the same. The Client should be aware that mold is ubiquitous to the environment with mold amplification occurring when building materials are impacted by moisture. The Client should also be aware that site conditions are outside of PSI's control, and that mold amplification will likely occur, or continue to occur, in the presence of moisture. As such, PSI cannot and shall not be held responsible for the occurrence or reoccurrence of mold amplification.





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## 2 SITE AND SUBSURFACE CONDITIONS

### 2.1 SITE LOCATION AND DESCRIPTION

The site for the proposed development is located northeast of the intersection of Meigs Street and East Washington Street in Sandusky, Erie County, Ohio. Specifically, the proposed site is located at coordinates: 41.459117°, -82.700191°.

The site area is currently occupied with an existing concrete skate park and an asphalt parking lot. Based on the Google Earth, the site within the park area is relatively flat sloping gently from south to north with an elevation difference about 2 feet (579' MSL to 576' MSL). We recommend that any existing utility lines be checked and marked prior to construction activities.

### 2.2 SUBSURFACE CONDITIONS

The subsurface conditions at the site were explored with a total of three (3) test borings. The test borings were each drilled to a depth of approximately 9.1 to 12 feet below the existing surface grades. The approximate boring locations are shown on the Boring Location Plan presented in the *Appendix* of this report. The locations for the test borings were selected by PSI and located in the field relative to existing site features and based on site accessibility and the presence of below ground utilities.

The borings were advanced utilizing 3¼ inch inside diameter, hollow-stem auger drilling methods. Soil samples were routinely obtained during the drilling process. Selected soil samples were later tested in the laboratory to obtain soil material properties for the floor slabs recommendations. Drilling, sampling, and laboratory testing was accomplished in general accordance with ASTM procedures.

The types of subsurface materials encountered in the test borings have been visually classified. The results of the visual classifications, Standard Penetration tests, moisture contents and water level observations are presented on the boring logs in the *Appendix* of this report. Representative samples of the soils were placed in sample jars, and are now stored in the laboratory for further analysis, if requested. Unless notified to the contrary, all samples will be disposed of after 60 days following the date of this report.

The surface of the site at test boring location B-1 was covered with a layer of concrete measuring approximately 5 inches in thickness and underlain with a layer of sand and gravel measuring approximately 6 inches in thickness. The surface of the site at test boring location B-2 was covered with a layer of asphalt measuring approximately 4 inches in thickness and underlain with a layer of sand and gravel measuring approximately 10 inches in thickness. The surface of the site at test boring location B-3 was covered with a layer of topsoil measuring approximately 6 inches in thickness. The thickness and type of the surface and base materials should be expected to vary throughout the site.

The surface and base materials at all test boring locations were underlain by fill soils and extending to the depth of about 8.5 to 10 feet below the surface grade. The fill soils consisted primarily of lean clay, sandy lean clay, lean clay with gravel, silty gravel with sand, poorly graded sand and poorly graded sand with gravel with varying amounts of cobbles, wood, asphalt, peat and other organic matter. The fill soils exhibited moisture contents of about 11 to 54 percent. However, the depth and engineering characteristics of the fill materials, such as composition, strength, and compressibility are considered to be variable.



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The fill materials at all test boring locations B-1 through B-3, was underlain by natural soils and extended to the depth of about 9.1 to 12 feet below the surface grade. The natural soils consisted of lean clay and sandy silt with varying amounts of gravel and rock fragments. The natural soils exhibited moisture contents ranging from 14 to 22 percent. The natural cohesive soils exhibited a medium stiff consistency, and the natural granular soils exhibited a loose relative density, based on the Standard Penetration Tests.

The subsurface description is of a generalized nature provided to highlight the major strata encountered. The boring logs included in the Appendix should be reviewed for specific information at the individual boring locations. The stratifications shown on the boring logs represent the conditions only at the actual test positions. Variations may occur and should be expected between the boring locations. The stratifications represent the approximate boundary between the subsurface materials, and the transition may be gradual or not clearly defined.

### 2.3 GROUNDWATER LEVEL MEASUREMENTS

Groundwater was encountered at test boring locations B-2 and B-3 at a depth of about 6 to 8.5 feet below surface grades during field drilling operations, and was only encountered at test boring location B-2 at a depth of about 6 feet below surface grades after completion of field drilling operations. Note that groundwater levels fluctuate seasonally as a function of precipitation. During a time of year or weather different from the time of drilling, there may be a considerable change in the water table. Furthermore, the water levels in the boreholes often are not representative of the actual groundwater level, because the boreholes remain open for a relatively short time. Therefore, we recommend that the contractor determine the actual groundwater levels at the time of construction to evaluate groundwater impact on the construction procedures.

## 3 EVALUATION AND RECOMMENDATIONS

### 3.1 SITE PREPARATION AND EARTHWORK CONSTRUCTION

Prior to placing concrete floors or engineered fill on this site, general site area clearing should be carried out. All topsoil, grass, roots, excessively wet soils, highly organic soils, and soft/loose or obviously compressible materials, should be completely removed from the proposed construction areas. Additionally, the unsuitable fill material, as evidenced at all the test boring locations to a depth about 8.5 to 10 feet below the existing grades, should be removed at least 24 inches from below proposed subgrade elevations for the proposed ground supported slab. The precise extent of required cut and fill should be determined in the field by a representative of PSI following observation of the exposed subgrades and proof rolling operations.

Following the site clearing, stripping and undercutting, and prior to placing engineered fill, the exposed subgrades should be critically proof rolled with a loaded 20-ton tandem-axle dump truck until the grade offers a relatively unyielding surface. Areas of excessive yielding, as observed by a PSI representative, should be excavated and backfilled with compacted engineered fill and/or the unstable soils can be stabilized by choking the exposed bearing surface with crushed limestone or similar coarse aggregate. After the existing subgrade materials are excavated to design grade, proper control of subgrade compaction and the placement and compaction of new fill materials should be observed and tested by a representative of PSI. It is recommended that the site preparation, proof rolling and earthwork activities should be performed during a period of dry weather, which can significantly reduce the required extent of soil stabilization, drainage and surface repairs.

During site preparation, fill piles, burn pits, trash pits or other isolated disposal areas may be encountered. All too frequently such buried material occurs in isolated areas outside boring locations. Any such material encountered



during site work, or floor slab construction should be excavated, removed from the site, and backfilled with compacted structural fill.

### 3.2 ENGINEERED FILL

Materials selected for use as structural fill should not contain more than 5 percent by weight of organic matter, waste construction debris, or other deleterious materials. Fill materials should have a standard Proctor maximum dry density of greater than 110 pounds per cubic foot (pcf), an Atterberg Liquid Limit of less than 40, a Plasticity Index of less than 15, and a maximum particle size of 3 inches or less. Structural fill should consist of non-expansive materials. Pyritic and/or potentially expansive materials, such as mine tailings, shales and slag should not be used as structural fill.

Based on the results of the boring explorations, the on-site natural soils are suitable for reuse as engineered fill. If the on-site soils are used for fill, close moisture content control will be required to achieve the recommended degree of compaction. PSI anticipates that disk and aerating the soils during a warm, dry period may be necessary to lower the moisture content. If engineered fill placement must proceed during a wet or cool time of the year, it may likely be infeasible to re-use the on-site soils as engineered fill, and imported fill materials would be required. If wet or cool season earthwork is necessary, we recommend the use of imported fill materials such as ODOT No. 304 or 411 crushed aggregate.

Fill materials should be placed and compacted in individual lifts of 8 inches or less loose measurement. Within small excavations such as in utility trenches, around manholes, or behind retaining walls, we recommend the use of smaller, hand or remote-guided equipment. Loose lift thicknesses of 4 inches or less are recommended when using such equipment.

We recommend that structural fill be compacted to a minimum of 98 percent of the maximum dry density and within  $\pm 2\%$  of the optimum moisture content, as determined by ASTM D-698. The upper 24 inches of floor slab subgrade soils should be compacted to at least 100 percent of the maximum dry density and within  $\pm 2\%$  of the optimum moisture content, as determined by ASTM D-698. A representative of PSI should observe fill placement operations and perform density tests concurrently to indicate if the specified compaction is being achieved.

### 3.3 SLAB RECOMMENDATIONS

Preparation of floor slab subgrades should be in accordance with the recommendations outlined in the *Site Preparation and Engineered Fill* sections of the report. If subsurface materials at the finished subgrade elevations exhibit excessive moisture contents and unstable subgrade conditions, then undercutting and replacement of the objectionable soils should be performed to achieve firm subgrade support. Alternatively, the unstable soils can be stabilized by choking the exposed bearing surface with crushed limestone or similar coarse aggregate.

After the soils in the building area have been prepared as discussed, it is recommended that the subgrade surface be subjected to surface compaction to the extent that a minimum of 24 inches of materials underlying the slab subgrade elevation achieve a minimum in-place density of 98 percent of the maximum laboratory dry density and should be within  $\pm 2\%$  of the optimum moisture content, as determined in general accordance with ASTM D-698.

A capillary gravel layer (such as AASHTO #57 or ODOT #304) should be provided between the floor slab and the approved subgrade materials. The gravel layer should have a minimum thickness of 6 inches and should be

properly compacted. Also, a vapor barrier is recommended below the floor slab as per ACI specifications. We recommend that a subgrade modulus (k) of 75 pci be used in floor slab design calculations.

Careful field control is to be exercised in finish grading operations in order to assure that subgrade tolerances are maintained. It is particularly important that no low sectors or depressions be allowed to exist within these areas, water may accumulate and lead to serious loss of supporting capacity.

The floor slab should be suitably reinforced, as per structural considerations, to make it as rigid as practical. Proper joints should be provided at the junctions of the slab and foundation system so that a small amount of independent movement can occur without causing damage. Large floor areas should be provided with joints at frequent intervals to compensate for concrete volume changes during curing and temperature changes.

## 4 CONSTRUCTION CONSIDERATIONS

### 4.1 GROUNDWATER CONTROL AND DRAINAGE

Free groundwater was encountered at test boring locations B-2 and B-3 at a depth of about 6 to 8.5 feet below surface grades during field drilling operations. Note that groundwater levels fluctuate seasonally. Accordingly, a gravity drainage system, sump pump or other conventional dewatering procedure, as deemed necessary by the field conditions, should be implemented throughout construction such that the groundwater is always controlled and maintained at an elevation of at least 2 feet below the excavation bottom. Every effort should be made to keep the excavations dry if water is encountered.

### 4.2 EXCAVATIONS

In Federal Register, Volume 54, No. 209 (October 1989), the United States Department of Labor, Occupational Safety and Health Administration (OSHA) amended its "Construction Standards for Excavations, 29 CFR, Part 1926, Subpart P." This document was issued to better ensure the safety of workers entering trenches or excavations. It is mandated by this federal regulation that all excavations, whether they be utility trenches, basement excavations or foundation excavations, be constructed in accordance with the new OSHA guidelines. It is our understanding that these regulations are being strictly enforced. If they are not followed closely, the owner and the contractor could be liable for substantial penalties.

The contractor is solely responsible for designing and constructing stable, temporary excavations and should shore, slope, or bench the sides of the excavations as required to maintain stability of both the excavation sides and bottom. The contractor's "responsible person" as defined in "CFR Part 1926," should evaluate the soil exposed in the excavations as part of the contractor's safety procedures. In no case should slope height, slope inclination, or excavation depth, including utility trench excavation depth, exceed those specified in local, state, and federal safety regulations.

We are providing this information solely as a service to our client. PSI is not assuming responsibility for construction site safety or the contractor's activities; such responsibility is not being implied and should not be inferred. If the excavations are left open and exposed to the elements for a significant length of time, desiccation of the clays may create minute shrinkage cracks which could allow large pieces of clay to collapse or slide into the excavation.

Materials removed from the excavation should not be stockpiled immediately adjacent to the excavation, inasmuch as this load may cause a sudden collapse of the embankment.



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#### 4.3 WEATHER CONSIDERATIONS

The soils encountered at this site are known to be sensitive to disturbances caused by construction traffic and to changes in moisture content. During wet weather periods, increases in the moisture content of the soil can cause significant reduction in the soil strength and support capabilities. Care should be exercised during the grading operations at the site. Due to the fine-grained nature of the surficial soils, the traffic of heavy equipment, including heavy compaction equipment, may very well create pumping and a general deterioration of those soils in the presence of water. Therefore, the grading should, if possible, be performed during a dry season. A layer of crushed stone may be required to allow the movement of construction traffic over the site during the rainy season. The contractor should maintain positive site drainage and if wet/pumping conditions occur, the contractor will be responsible to over excavate the wet soils and replace them with a properly compacted engineered fill. During wet seasons, limestone stabilization may be required to place engineered fill.

#### 5 GEOTECHNICAL RISK

The concept of risk is an important aspect of the geotechnical evaluation. The primary reason for this is that the analytical methods used to develop geotechnical recommendations do not comprise an exact science. Site exploration identifies actual subsurface conditions only at those points where samples are taken. A geotechnical report is based on conditions that existed at the time of the subsurface exploration. The analytical tools which geotechnical engineers use are generally empirical and must be used in conjunction with engineering judgment and experience. Therefore, the solutions and recommendations presented in the geotechnical evaluation should not be considered risk-free and, more importantly, are not a guarantee that the interaction between the soils and the proposed structure will perform as planned. The engineering recommendations presented in the preceding sections constitute PSI's professional estimate of those measures that are necessary for the proposed structure to perform according to the proposed design based on the information generated and referenced during this evaluation, and PSI's experience in working with these conditions.

#### 6 REPORT LIMITATIONS

The recommendations submitted in this report are based on the available subsurface information obtained by PSI and design details furnished by OHM. If there are any revisions to the plans for the proposed development, or if deviations from the subsurface conditions noted in this report are encountered during construction, PSI should be retained to determine if changes in the recommendations are required. If PSI is not retained to perform these functions, PSI will not be responsible for the impact of those conditions on the geotechnical recommendations for the project.

The Geotechnical Engineer warrants that the findings, recommendations, specifications, or professional advice contained herein, have been presented after being prepared in accordance with generally accepted professional engineering practice in the fields of soil mechanics and engineering geology. No other warranties are implied or expressed.

After the plans and specifications are complete, it is recommended that PSI be provided the opportunity to review the final design and specifications, in order to verify that the earthwork and recommendations are properly interpreted and implemented. At that time, it may be necessary to submit supplementary recommendations. This report has been prepared for the exclusive use of OHM, for the specific application to the proposed skate park to be located northeast of the intersection of Meigs Street and East Washington Street in Sandusky, Erie County, Ohio.

#### APPENDIX

##### BORING LOCATION PLAN

##### BORING LOGS

##### GRAIN SIZE GRAPH

##### ATTERBERG LIMIT

##### GENERAL NOTES

##### USCS SOIL CLASSIFICATION CHART





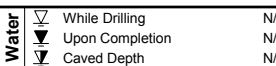
## BORING LOCATION PLAN

intertek  
psi



**PROJECT:** Proposed Skate Park, NEC of Meigs St and E. Washington St, Sandusky, OH 44870

**PSI PROJECT NO.:** 0142-2651

<b>DATE STARTED:</b> 10/25/22		<b>DRILL COMPANY:</b> PSI, Inc.		<b>BORING B-1</b>	
<b>DATE COMPLETED:</b> 10/25/22		<b>DRILLER:</b> TS <b>LOGGED BY:</b> ZO			
<b>COMPLETION DEPTH:</b> 9.1 ft		<b>DRILL RIG:</b> Truck D-50			
<b>BENCHMARK:</b> N/A		<b>DRILLING METHOD:</b> Hollow Stem Auger			
<b>ELEVATION:</b> 577 ft		<b>SAMPLING METHOD:</b> 2-in SS		<b>BORING LOCATION:</b>	
<b>LATITUDE:</b> 41.459489°		<b>HAMMER TYPE:</b> Automatic			
<b>LONGITUDE:</b> -82.700486°		<b>EFFICIENCY:</b> 94%			
<b>STATION:</b> N/A		<b>OFFSET:</b> N/A		<b>REVIEWED BY:</b> AV	
<b>REMARKS:</b>					

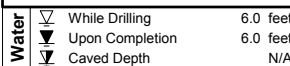
Elevation (feet)	Depth (feet)	Graphic Log	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch (SS)	STANDARD PENETRATION TEST DATA N in blows/ft @	Moisture, %	PL	LL	Additional Remarks
0	0				5" Concrete							
					6" Sand and Gravel Base							
			1	16	FILL: Stiff, Moist, Gray, <b>Lean CLAY</b> , Some Cinders, Little Concrete, Little Organic Matter		21					
575					** Organic Content @ 2ft = 6.7%		16					
			2	8	FILL: Very Soft, Moist, Gray, <b>Lean CLAY</b> , Trace to Little Wood, Trace to Little Organic Matter	WT/18" N=0	47					
570			3	0		1/12"						
			4	8		2-2-1 N=3	54					
			5	6	Medium Stiff, Moist, Gray, <b>Lean CLAY</b> , Trace Gravel	CL	22					
					*Auger and Split Spoon Refusal	5-50/1"						

<b>intertek psi</b>		Professional Service Industries, Inc. 5555 Canal Road Cleveland, OH 44125 Telephone: (216) 447-1335		<b>PROJECT NO.:</b> 0142-2651 <b>PROJECT:</b> Sandusky Skate Park <b>LOCATION:</b> NEC of Meigs & E. Washington Sts Sandusky, Erie County, Ohio	
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The stratification lines represent approximate boundaries. The transition may be gradual.

Sheet 1 of 1

<b>DATE STARTED:</b> 10/25/22		<b>DRILL COMPANY:</b> PSI, Inc.		<b>BORING B-2</b>	
<b>DATE COMPLETED:</b> 10/25/22		<b>DRILLER:</b> TS <b>LOGGED BY:</b> ZO			
<b>COMPLETION DEPTH:</b> 12.0 ft		<b>DRILL RIG:</b> Truck D-50			
<b>BENCHMARK:</b> N/A		<b>DRILLING METHOD:</b> Hollow Stem Auger			
<b>ELEVATION:</b> 579 ft		<b>SAMPLING METHOD:</b> 2-in SS		<b>BORING LOCATION:</b>	
<b>LATITUDE:</b> 41.459101°		<b>HAMMER TYPE:</b> Automatic			
<b>LONGITUDE:</b> -82.699649°		<b>EFFICIENCY:</b> 94%			
<b>STATION:</b> N/A		<b>OFFSET:</b> N/A		<b>REVIEWED BY:</b> AV	
<b>REMARKS:</b>					

Elevation (feet)	Depth (feet)	Graphic Log	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch (SS)	STANDARD PENETRATION TEST DATA N in blows/ft @	Moisture, %	PL	LL	Additional Remarks
0	0				4" Asphalt							
					10" Sand and Gravel Base							
			1	16	FILL: Medium Dense, Moist, Brown/Gray, Silty GRAVEL with Sand, Some Cinders, Some Asphalt Fragments		14					LL = 28 PL = 20 Fines=28.5%
575			2	6	FILL: Very Stiff, Moist, Brown/Gray, <b>Lean CLAY</b> with Gravel, Some Cinders, Some Asphalt Fragments		18					
570			3	3	FILL: Very Loose, Moist, Gray, <b>Poorly Graded SAND</b> , Some Organic Matter, Little Peat		18					
			4	1			14					
			5	6	Medium Stiff, Moist, Gray, <b>Lean CLAY</b>	CL	20					

<b>intertek psi</b>		Professional Service Industries, Inc. 5555 Canal Road Cleveland, OH 44125 Telephone: (216) 447-1335		<b>PROJECT NO.:</b> 0142-2651 <b>PROJECT:</b> Sandusky Skate Park <b>LOCATION:</b> NEC of Meigs & E. Washington Sts Sandusky, Erie County, Ohio	
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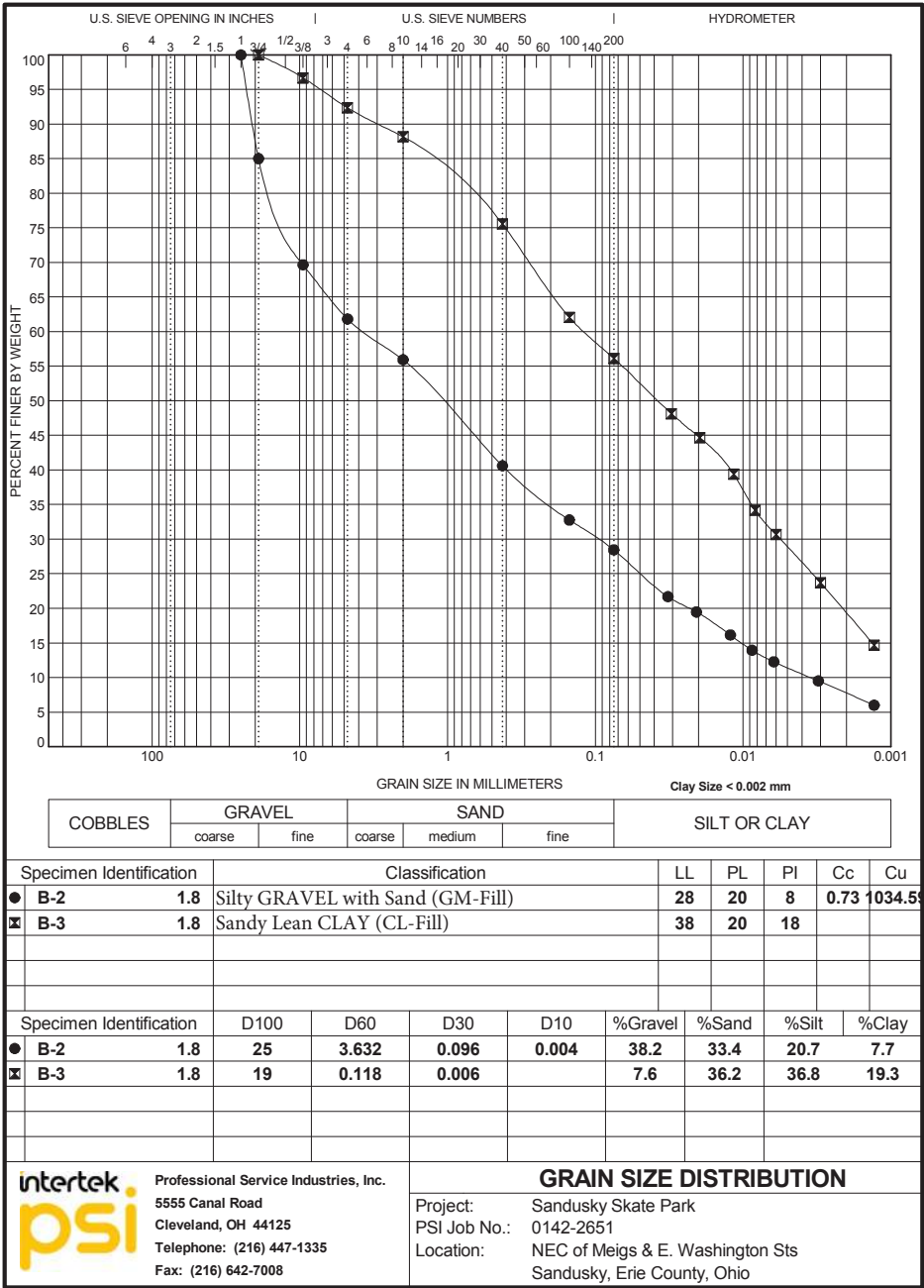
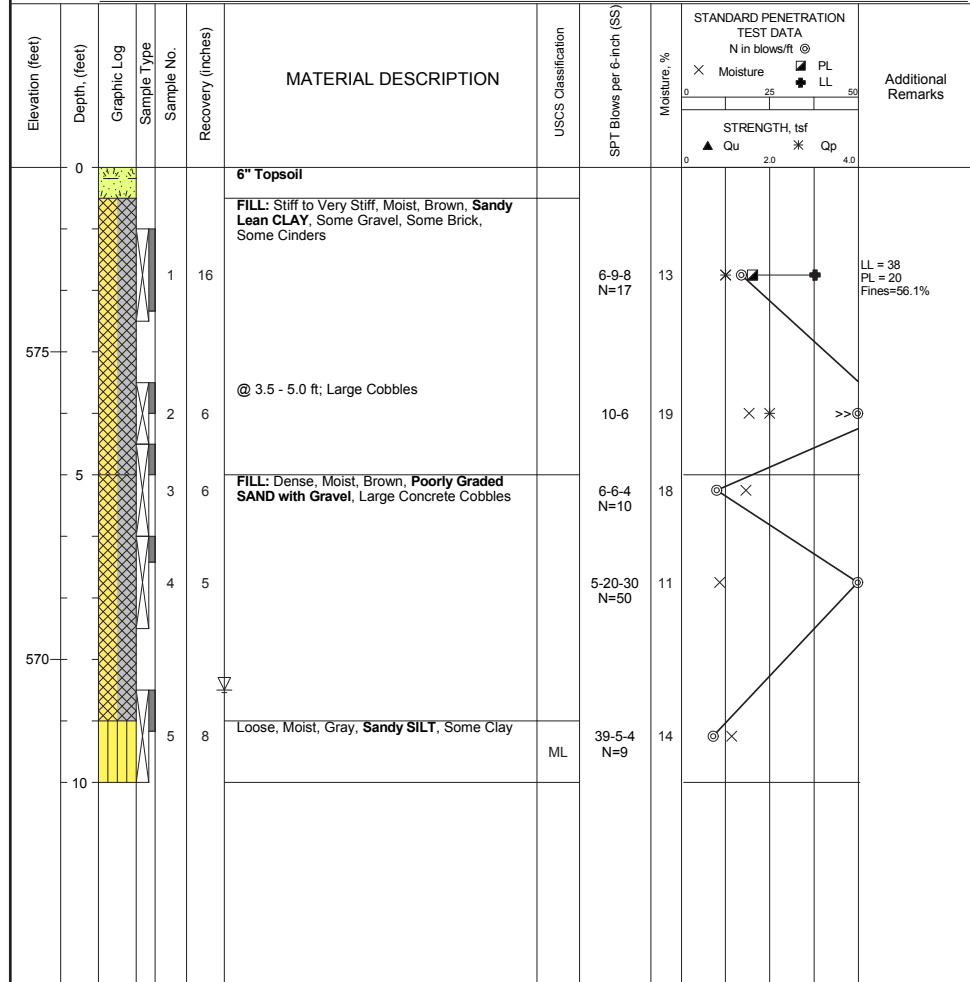
The stratification lines represent approximate boundaries. The transition may be gradual.

Sheet 1 of 1



DATE STARTED:	10/25/22	DRILL COMPANY:	PSI, Inc.
DATE COMPLETED:	10/25/22	DRILLER:	TS
COMPLETION DEPTH:	10.0 ft	LOGGED BY:	ZO
BENCHMARK:	N/A	DRILL RIG:	Truck D-50
ELEVATION:	578 ft	DRILLING METHOD:	Hollow Stem Auger
LATITUDE:	41.459055°	SAMPLING METHOD:	2-in SS
LONGITUDE:	-82.700234°	HAMMER TYPE:	Automatic
STATION:	N/A	EFFICIENCY:	94%
OFFSET:	N/A	REVIEWED BY:	AV
REMARKS:			

<b>BORING B-3</b>	
Water	8.5 feet
White Drilling	N/A
Upon Completion	N/A
Caved Depth	N/A
BORING LOCATION:	

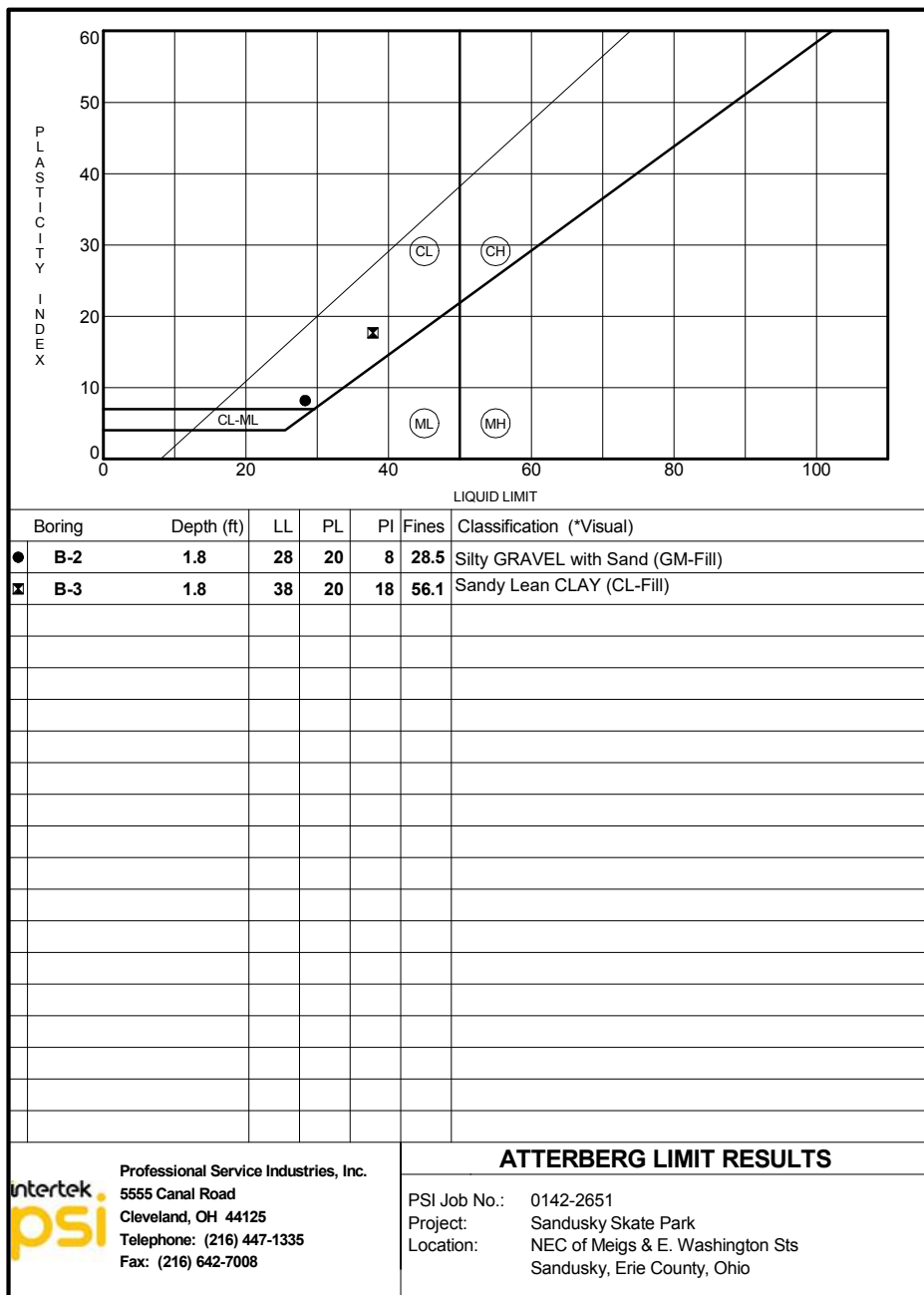


<b>intertek</b> <b>psi</b>	Professional Service Industries, Inc.	PROJECT NO.:	0142-2651
	5555 Canal Road	PROJECT:	Sandusky Skate Park
	Cleveland, OH 44125	LOCATION:	NEC of Meigs & E. Washington Sts
	Telephone: (216) 447-1335		Sandusky, Erie County, Ohio

The stratification lines represent approximate boundaries. The transition may be gradual.

Sheet 1 of 1





## GENERAL NOTES

### SAMPLE IDENTIFICATION

The Unified Soil Classification System (USCS), AASHTO 1988 and ASTM designations D2487 and D-2488 are used to identify the encountered materials unless otherwise noted. Coarse-grained soils are defined as having more than 50% of their dry weight retained on a #200 sieve (0.075mm); they are described as: boulders, cobbles, gravel or sand. Fine-grained soils have less than 50% of their dry weight retained on a #200 sieve; they are defined as silts or clay depending on their Atterberg Limit attributes. Major constituents may be added as modifiers and minor constituents may be added according to the relative proportions based on grain size.

### DRILLING AND SAMPLING SYMBOLS

SFA: Solid Flight Auger - typically 4" diameter flights, except where noted.  
 HSA: Hollow Stem Auger - typically 3 1/4" or 4 1/4" I.D. openings, except where noted.  
 M.R.: Mud Rotary - Uses a rotary head with Bentonite or Polymer Slurry  
 R.C.: Diamond Bit Core Sampler  
 H.A.: Hand Auger  
 P.A.: Power Auger - Handheld motorized auger

SS: Split-Spoon - 1 3/8" I.D., 2" O.D., except where noted.  
 ST: Shelby Tube - 3" O.D., except where noted.  
 BS: Bulk Sample  
 PM: Pressuremeter  
 CPT-U: Cone Penetrometer Testing with Pore-Pressure Readings

### SOIL PROPERTY SYMBOLS

N: Standard "N" penetration: Blows per foot of a 140 pound hammer falling 30 inches on a 2-inch O.D. Split-Spoon.  
 $N_{60}$ : A "N" penetration value corrected to an equivalent 60% hammer energy transfer efficiency (ETR)  
 $Q_u$ : Unconfined compressive strength, TSF  
 $Q_p$ : Pocket penetrometer value, unconfined compressive strength, TSF  
 $w\%$ : Moisture/water content, %  
 LL: Liquid Limit, %  
 PL: Plastic Limit, %  
 PI: Plasticity Index = (LL-PL), %  
 DD: Dry unit weight, pcf  
 ▽, ▽, ▽: Apparent groundwater level at time noted

### RELATIVE DENSITY OF COARSE-GRAINED SOILS      ANGULARITY OF COARSE-GRAINED PARTICLES

Relative Density	N - Blows/foot	Description	Criteria
Very Loose	0 - 4	Angular:	Particles have sharp edges and relatively plane sides with unpolished surfaces
Loose	4 - 10	Subangular:	Particles are similar to angular description, but have rounded edges
Medium Dense	10 - 30	Subrounded:	Particles have nearly plane sides, but have well-rounded corners and edges
Dense	30 - 50	Rounded:	Particles have smoothly curved sides and no edges
Very Dense	50 - 80		
Extremely Dense	80+		

### GRAIN-SIZE TERMINOLOGY

Component	Size Range
Boulders:	Over 300 mm (>12 in.)
Cobbles:	75 mm to 300 mm (3 in. to 12 in.)
Coarse-Grained Gravel:	19 mm to 75 mm (3/4 in. to 3 in.)
Fine-Grained Gravel:	4.75 mm to 19 mm (No.4 to 3/8 in.)
Coarse-Grained Sand:	2 mm to 4.75 mm (No.10 to No.4)
Medium-Grained Sand:	0.42 mm to 2 mm (No.40 to No.10)
Fine-Grained Sand:	0.075 mm to 0.42 mm (No. 200 to No.40)
Silt:	0.002 mm to 0.075 mm
Clay:	<0.002mm to <0.005 mm depending on agency

### PARTICLE SHAPE

Description	Criteria
Flat:	Particles with width/thickness ratio > 3
Elongated:	Particles with length/width ratio > 3
Flat & Elongated:	Particles meet criteria for both flat and elongated

### RELATIVE PROPORTIONS OF FINES

Descriptive Term	% Dry Weight
Trace:	< 5%
With:	5% to 12%
Modifier:	>12%



## GENERAL NOTES

(Continued)

### CONSISTENCY OF FINE-GRAINED SOILS

$Q_u$ - TSF	N - Blows/foot	Consistency
0 - 0.25	0 - 2	Very Soft
0.25 - 0.50	2 - 4	Soft
0.50 - 1.00	4 - 8	Firm (Medium Stiff)
1.00 - 2.00	8 - 15	Stiff
2.00 - 4.00	15 - 30	Very Stiff
4.00 - 8.00	30 - 50	Hard
8.00+	50+	Very Hard

### MOISTURE CONDITION DESCRIPTION

Description	Criteria
Dry:	Absence of moisture, dusty, dry to the touch
Moist:	Damp but no visible water
Wet:	Visible free water, usually soil is below water table

### RELATIVE PROPORTIONS OF SAND AND GRAVEL

Descriptive Term	% Dry Weight
Trace:	< 15%
With:	15% to 30%
Modifier:	>30%

### STRUCTURE DESCRIPTION

Description	Criteria	Description	Criteria
Stratified:	Alternating layers of varying material or color with layers at least 1/4-inch (6 mm) thick	Blocky:	Cohesive soil that can be broken down into small angular lumps which resist further breakdown
Laminated:	Alternating layers of varying material or color with layers less than 1/4-inch (6 mm) thick	Lensed:	Inclusion of small pockets of different soils
Fissured:	Breaks along definite planes of fracture with little resistance to fracturing	Layer:	Inclusion greater than 3 inches thick (75 mm)
Slackensided:	Fracture planes appear polished or glossy, sometimes striated	Seam:	Inclusion 1/8-inch to 3 inches (3 to 75 mm) thick extending through the sample
		Parting:	Inclusion less than 1/8-inch (3 mm) thick

### SCALE OF RELATIVE ROCK HARDNESS

$Q_u$ - TSF	Consistency
2.5 - 10	Extremely Soft
10 - 50	Very Soft
50 - 250	Soft
250 - 525	Medium Hard
525 - 1,050	Moderately Hard
1,050 - 2,600	Hard
>2,600	Very Hard

### ROCK BEDDING THICKNESSES

Description	Criteria
Very Thick Bedded	Greater than 3-foot (>1.0 m)
Thick Bedded	1-foot to 3-foot (0.3 m to 1.0 m)
Medium Bedded	4-inch to 1-foot (0.1 m to 0.3 m)
Thin Bedded	1 1/4-inch to 4-inch (30 mm to 100 mm)
Very Thin Bedded	1/2-inch to 1 1/4-inch (10 mm to 30 mm)
Thickly Laminated	1/8-inch to 1/2-inch (3 mm to 10 mm)
Thinly Laminated	1/8-inch or less "paper thin" (<3 mm)

### ROCK VOIDS

Voids	Void Diameter
Pit	<6 mm (<0.25 in)
Vug	6 mm to 50 mm (0.25 in to 2 in)
Cavity	50 mm to 600 mm (2 in to 24 in)
Cave	>600 mm (>24 in)

### GRAIN-SIZED TERMINOLOGY

(Typically Sedimentary Rock)

Component	Size Range
Very Coarse Grained	>4.76 mm
Coarse Grained	2.0 mm - 4.76 mm
Medium Grained	0.42 mm - 2.0 mm
Fine Grained	0.075 mm - 0.42 mm
Very Fine Grained	<0.075 mm

### ROCK QUALITY DESCRIPTION

Rock Mass Description	RQD Value
Excellent	90 - 100
Good	75 - 90
Fair	50 - 75
Poor	25 - 50
Very Poor	Less than 25

Slightly Weathered:	Rock generally fresh, joints stained and discoloration extends into rock up to 25 mm (1 in), open joints may contain clay, core rings under hammer impact.
Weathered:	Rock mass is decomposed 50% or less, significant portions of the rock show discoloration and weathering effects, cores cannot be broken by hand or scraped by knife.

Highly Weathered: Rock mass is more than 50% decomposed, complete discoloration of rock fabric, core may be extremely broken and gives clunk sound when struck by hammer, may be shaved with a knife.

Page 2 of 2

## SOIL CLASSIFICATION CHART

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS  (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES  (APPRECIABLE AMOUNT OF FINES)		GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
	MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN SANDS  (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		SANDS WITH FINES  (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND - SILT MIXTURES
	MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	SAND AND SANDY SOILS		SC	CLAYEY SANDS, SAND - CLAY MIXTURES
		MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE		SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS



## Online Survey Data

### Sandusky Action Sports Park | Public Survey

101 responses

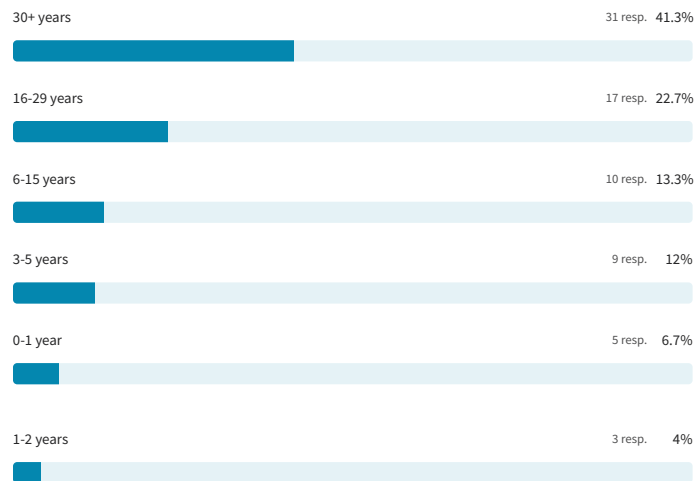
Are you currently a resident of Sandusky?

101 out of 101 answered



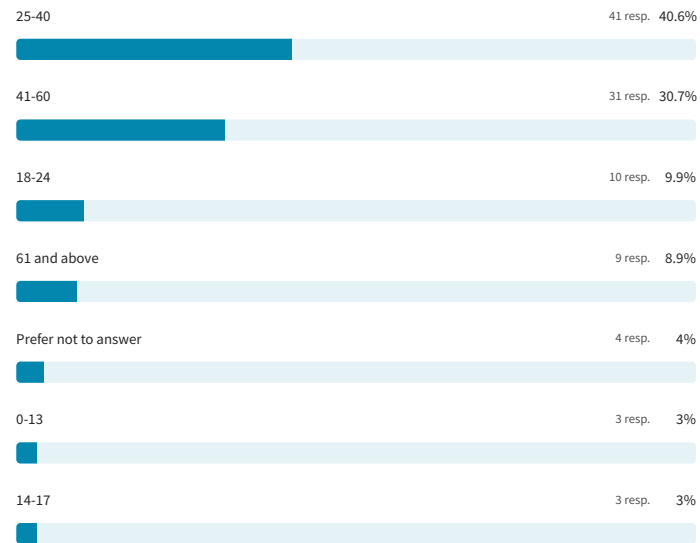
How long have you lived in Sandusky?

75 out of 101 answered



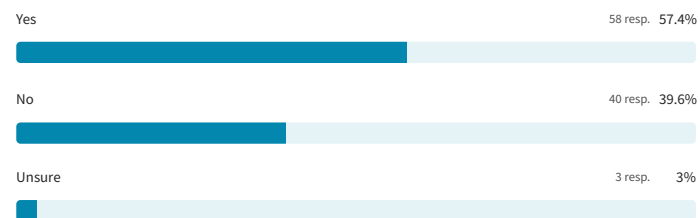
What is your age?

101 out of 101 answered



Do you currently have children under the age of 18 living in your household that participate in action wheel sports? (\*action wheel sports includes activities like skateboarding, BMX biking, inline / roller skating, scootering, etc.)

101 out of 101 answered

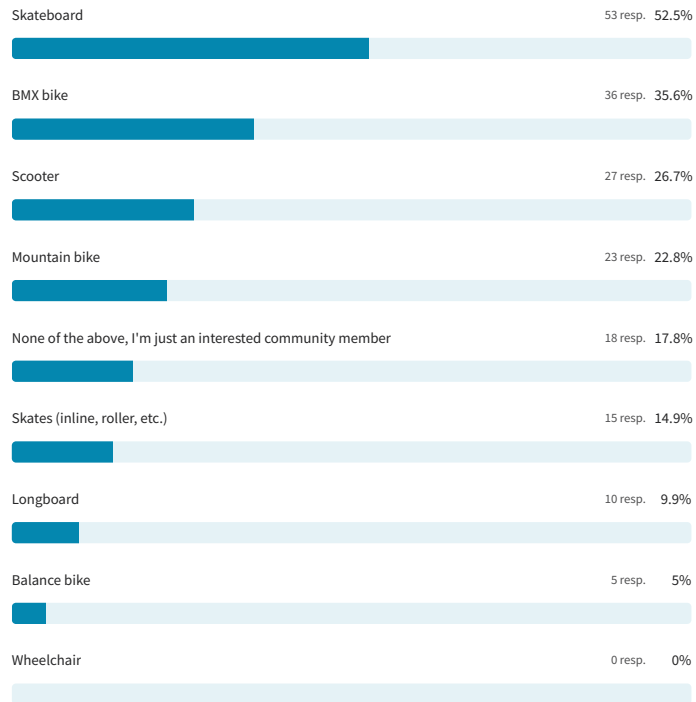






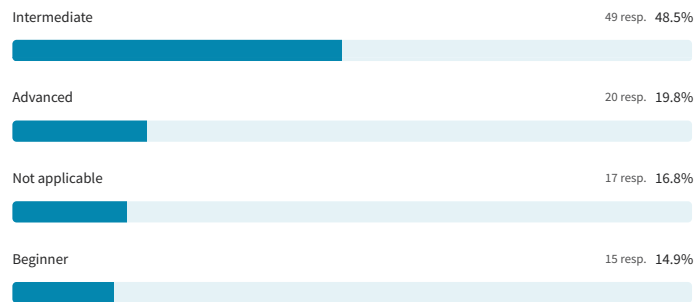
### What are your wheels of choice?

101 out of 101 answered



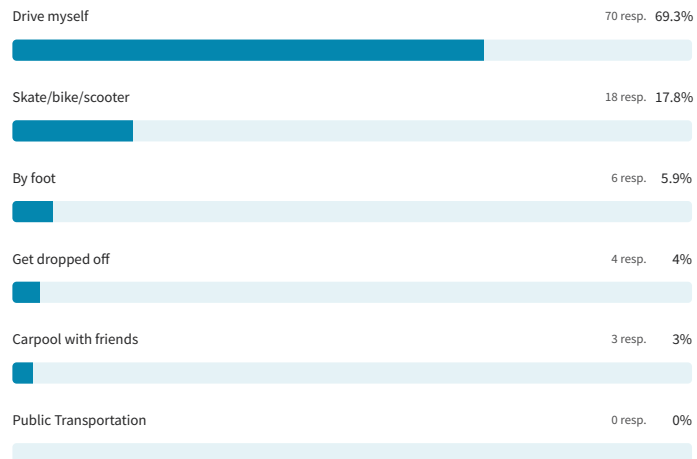
### How would you rate your skill level?

101 out of 101 answered



### How would you primarily access the action sports park?

101 out of 101 answered



How often would you use the action sports park?

100 out of 101 answered

Few times a week 36 resp. 36%



Few times a month 25 resp. 25%



Few times a year 23 resp. 23%



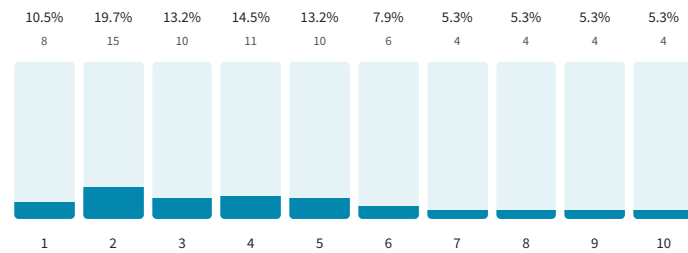
Everyday 16 resp. 16%



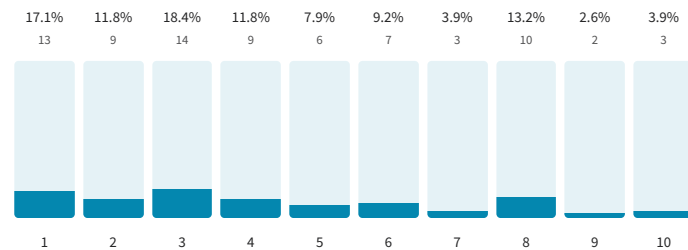
Rank your favorite elements at the existing skatepark.

76 out of 101 answered

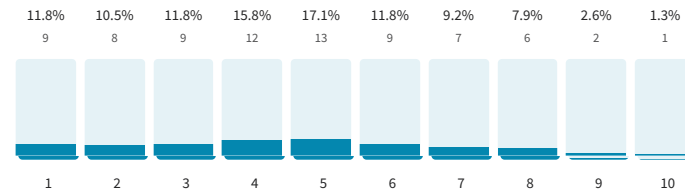
#### Embankment



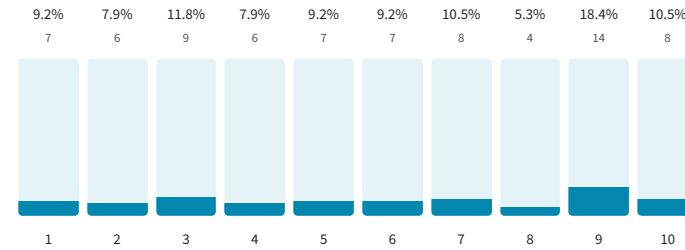
#### Ledge



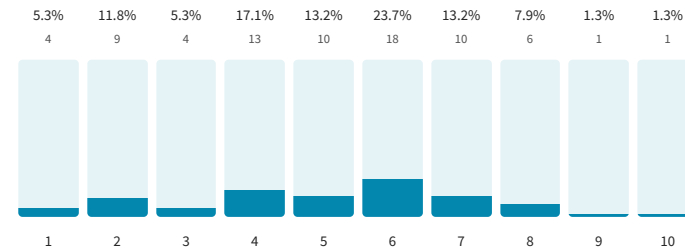
#### Transition



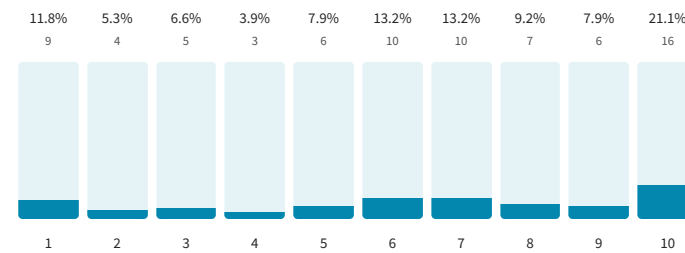
#### Rail



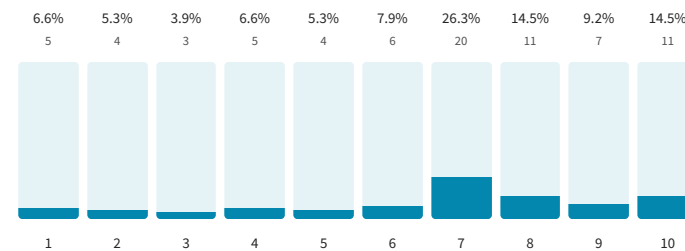
#### Quarter pipe



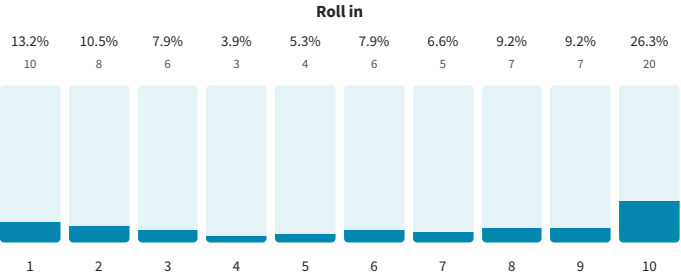
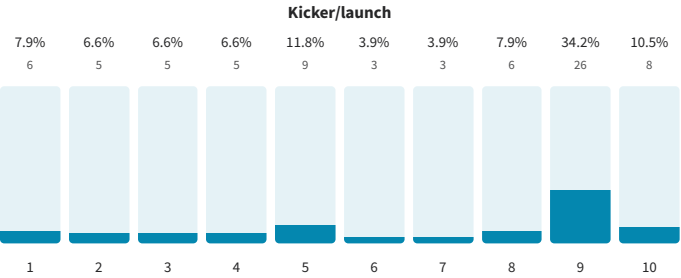
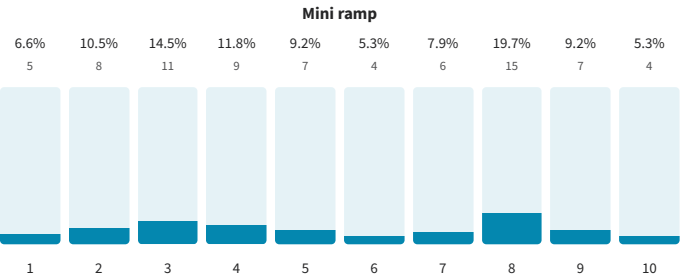
#### Open/freestyle space



#### Vert ramp







Tell us what you dislike about the existing skatepark.

82 out of 101 answered

Unsafe, cheaply made, unattractive, not a first class park we can be proud of

The design isn't great, it needs a better more fun and advanced layout. having a more advanced layout will make people go out of their way to skate this park. Also concrete ramps are way better than wood.

It doesn't seem like it got the maintenance it required. I would like to see a maintenance day in the spring and the fall to keep the park in good shape.

The eggshell needs a lot of work done

It is to close together always felt I was going to hit some one and had no where to bail at next park needs to be more open

The lack of space to sit, that is shaded/covered. Some variety of build materials would also benefit the park. Wood would compliment the concrete.

There's no concrete features. I also think it could be set up a bit different as it pertains to the lay out. If you wish to Go from one end to the others, then back again there's only a few options you can take as far as a line is concerned. If I were to try and change it I'd ad in some features at the 4 corners at a 45 degree angles so rather than straight down and back you could flow or meander from on end to the other. ( Sorry my words are escaping me but I believe I've described it as best as I can) I spent time pushing for the original park to be built and spent countless hours there. I now have a son who I take to the park and I'm very happy to see the city is making this a priority.

All of it other than the rails

love the transitions but they're falling apart

There isn't a bowl

too small, unsafe, not enough options

It's falling apart, the flow of the park is not great

The lack of a bowl

I can't tell you, I longboard. I shouldn't say what I think is wrong

Snap together

Too flat

It's small and gets crowded on a nice day

I dislike the prefab / wood ramps, old cement floor, and the asphalt. The ramps are very dangerous and not ridable for a skateboarder, rollerblader, rollerskater, or scooter. The asphalt and cement is a very rough surface and makes it difficult to ride. There is no "flow" in this park for any action sports rider. The design is actually dangerous and increases the risk of injury. The ramps in the middle of the park are "jumbled" together with a box and a rail. None of these features in this park are fun or ridable. The tallest quarter pipe is constructed of strips of wood or skatelite material that has screws and large gaps causing a skateboard wheel to get stuck and cause the rider to fall and sustain unnecessary injuries. The dimensions, and materials used are actually a hazard for any action sports rider to ride in the current condition the skatepark is in. The cement surface divided into squares is another deterrent for skateboarders. The rough surface quality of the cement and lines slow down the flow of the skateboard, rollerblade, rollerskate, and scooter wheel making the skatepark undesirable and nonfunctional for these riders. This park needs new skatepark quality concrete and features built by builders who have experience, and who understand involving the community and their resources to build an esthetically pleasing skatepark for the users and community. A destination skatepark is the key for success in Sandusky. The local community will love it and it will be the most used park in your community.

Surface is really hard on the body hot days holds the heat

outdated

Size, seating, cover, restroom access

It's neglect and location

Lack of maintenance and repair.

Some of the ramps are too big, could use some more average size obstacles.

Poorly maintained

Not maintaining it

The new skatepark should be concrete! The existing park is too much to take care of (obviously from the disrepair). A concrete park will last much longer and will satisfy everyone involved.

Lack of shade. No water source for hydration.

No shade, no bathrooms, no area for younger children

Wish it were open

How it's been underserved in the maintenance over the years

It's falling apart for years

Do not need

The poor condition of the eggshell.

No concrete ledges

Kids say it needs to be bigger and maybe something for the little kids to do.

The dangerous poor condition it's been in for so long. The flow of the park. The transitions could be set up better. The pump track is done at poor angles and needed to be resealed awhile ago.

Box jump

It is in bad repair & dangerous

No Shade. Better restrooms. Lack of maintenance. Drinking fountain needs to be closer.

The fact that we have a lot of room we can make things like a freestyle and possibly more ramps

Whatever material the ramps were made out of were way too slick when wet

Prefab / tar is junk.

The Eggshell

Prefab junk

Lack of a bowl

Old ramps. Not much flow to the park

no lights, no shade, removed all trees, porta john generally in not so good condition, ramps are sub par at best, maintenance has not been done to the park and it has simply just been neglected for too long

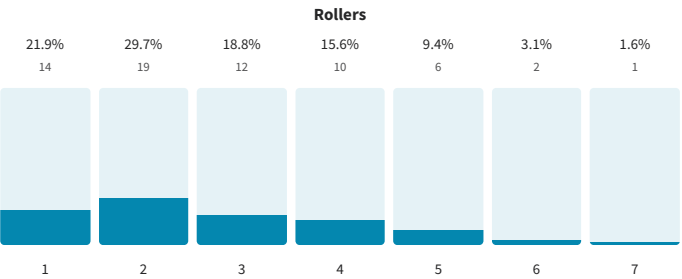
Needs upgraded

Too big of obstacles, I only use the flat side of the park with rails and ledges.



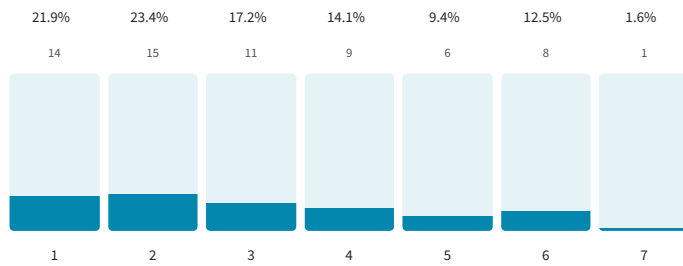
Rank your favorite elements at the existing pump track.

64 out of 101 answered

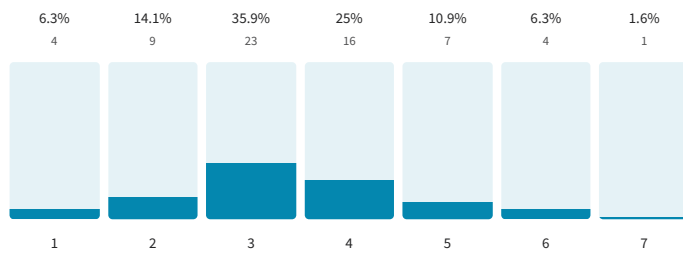




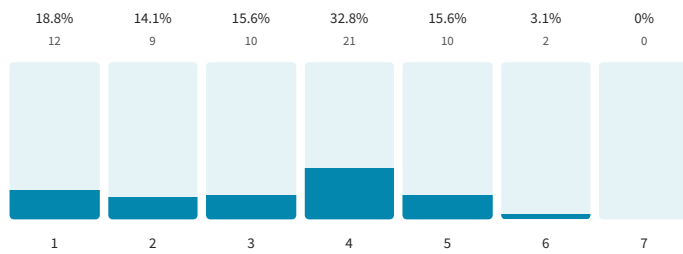
### Jumps



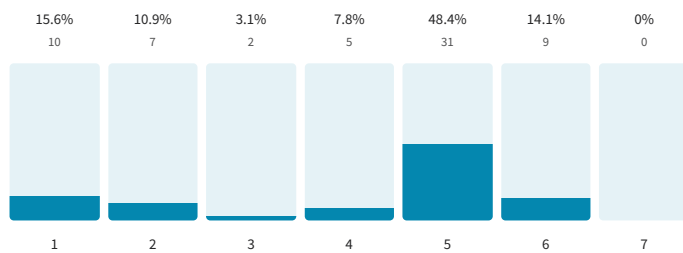
### Berms



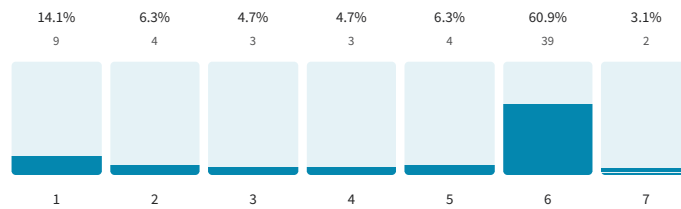
### Snake run



### Length of track



### Material of track (asphalt)



Tell us what you dislike about the existing pump track.

64 out of 101 answered

It's pretty good already can't think of anything to be changed.

It seems very busy. Too many features packed into such a small space. I've ridden this track as well as the tracks in norwalk and rudolph. The other tracks in the area have a better flow and feel less crowded with features.

Nothing really, it's great

I've only ever rode the pump track in Sandusky. It felt a little cramped. The space between transitions could be opened up a little perhaps. With my limited experience with pump tracks it's hard for me to say if that's an issue here or an issue I would experience this pump tracks more generally speaking

I don't really care for the skating park. What I would like to see is a new park assessable to toddlers down town and a new park built on Hayes ave that's across the street from Sandusky high school

Material

strange design, very rough surface

It is short

falling apart

I can't say

Can't skateboard too rough

Too short

It's asphalt. It is very slow and difficult to use for skateboard, roller blade, roller skate, scooter wheels. These wheels are constructed of polyurethane. These wheeled sports do best on smooth concrete, not asphalt. The only persons that enjoy asphalt tracks are bike riders because they have air in their wheels. The bike tire is not affected by the asphalt like the polyurethane wheel is. Making this feature concrete will meet the needs of all action sports riders. Spohn Ranch built a very nice concrete pump track in La Quinta skatepark, CA. thanks

It's fine needs more Cushion for Falls

outdated

Nothing

Lack of maintenance and repair

The asphalt surface

Maintenance on the blacktop

Not maintaining it

Way too rough!!!!

Nothing



Never used it	material its made of,bad use of space, could have used that area for a nice enclosed bowl and a medium half pipe and it would have complimented the general vibe much better	Lakewood, Tristar, crooked river. They have an interesting,/unique setup and are fun to skate, the big handrails and ledges at this park are my favorite.
Needs to be concrete	Needs upgraded	1. Rudolph bike park- it has a well made track with a jump line and off-road section, a begginer section and the main pump track. 2. BG skatepark- it has lots of smooth concrete a really nice bowl and is open to bikes, boards, scooters... 3. Pacesetter park- lots of smooth concrete features. It has a nice concrete gap jump as well.
Do not need	Only thing I dislike is the rough asphalt, other than that it's great.	
The size. Would like to see it bigger.	I think the jumps are a little too closer together for scooter riders	
Everything	Can't use it for skateboarding because of the material it's constructed from	Crooked River skatepark
They like it!!	Asphalt	I don't have any favorites. Street riding is my go-to.
The angles are off and was either sealed poorly or never sealed at all	No bench or seat to watch	I used to love Woodville malls skate park.It being giant as well as in doors was nice. You could easily flow from one area to the next as well. I like the stairs that Bellevue skatepark has and the mini ramp/embankments that port Clinton skatepark has as well. I know mountain bikes were mentioned in the beginning of the survey, I would also like to mention I've been to oak openings MBT in Swanton Ohio a few times they have some cool drop off and jumps if something like that could ever be incorporated .
Small turns, to many places to cross paths with other riders and get ran into, put a jump line in off pumptrack like ohio erie canal has! 🙌	Condition of the riding surface hasn't aged well. The removal of the trees for shade is a detriment to the overall layout .	
No shade or sitting area	The material if you fall off its hurts so bad and also it is too short and too many of the same obstacles	None
Lack of maintenance.	Nothing. Looks like a lot of fun!	Lakewood - street / transition ratio
Can't think of anything	Id rather have a smooth, mellow, "snake run" than a pump track in general	Chenga
Soft surface = bad	The material its made of, the way it takes up any space we have to have better obstacles and have a better skatepark that would draw more attention by companies and more people. In all honesty I genuinely dislike the pump track and really like anything about it.	I like the ramps
Too tight of area. Not Skateboard friendly!		Chandler park Michigan
Material is rough for skateboards		Ann Arbor, MI, Detroit, MI, Jamestown, NY, Hudson, OH, Zelenople Memorial skatepark, PA, Williams Farm Park, VA, LA Quinta, CA. They have flow bowls, pools with pool tile and pool coping, pools with stairs and "death boxes, " street sections with boxes, rails, stairs. These features make these sites more desirable for all action wheel sports riders to travel to.
Maintenance	'hat / where are your favorite skate / action wheel sports parks in the region? Why are they your favorite?	
Hard to maintain speed asphalt is breaking apart	5 out of 101 answered	Sandusky, Cleveland e55 st oval bike track . Sandusky just closer to my home



Ann Arbor skatepark

Lakewood Skatepark and Crooked River in Cleveland area. Bay Village skatepark as well. All very well put together parks

I don't know if any others.

Cleveland area

Changa

Do not need

Ann Arbor because it has the biggest bowls, is very clean, it has shade from the trees.

1. Ann Arbor, Michigan. Best park ever. Amazing street course. 2. Dublin, Ohio. Great street course. 3. Modern. Royal Oak, Michigan. Obvious reasons. Has everything.

We love being by the lake and downtown in sandusky and being able to see cedar point..

Bay village has a nice bowl but that's really it at theirs. There's a really good one in Cincinnati that has an amazing flow to it that allows for more riders to work on their skills at the same time

Ohio erie canal-jump line, rays MTB Park,

WAYS MTB it's a huge factory with a BMX park inside

Ann Arbor. Hudson oh. Detroit metro park, grove city oh. Powell oh. Sterling Heights mi.

Columbus area. Good variety of skateboard parks and blended parks.

Ann Arbor MI. Perfect park. Concrete. Something for everyone and room for tons of people. Restaurants nearby and easy access.

Vermillion skatepark. We'll designed

Wedge wood ramps austintown Oh had a little bit of everything in every size

tuttle park in columbus, good variety or ramp sizes for variety of skill levels, bay village because of the bowl and flow section, dublin park because of the thought that went in to every obstacle

Bowling green skatepark and Sylvania skatepark, because they are well built modern concrete parks that will last.

There is a nice one in Clyde, but it is getting to be in rough shape also

Tuttle skate park Columbus , because of the well built structure all concrete and made by professionals, bay village skate park because of the accessibility for all types of skaters, and lastly Dublin ohio skatepark because it also has a bit of everything from bowls to stairs anyone can have fun there

Ann Arbor bowl

I like the diy park in Toledo. It has ledges,rails,concrete ledges, pyramid, manual pads. The layout of the skatepark is key

Bay village. The size of the bowl in perfect for all skill levels. Hudson. Great expansive layout. The concrete was poured correctly with drainage taking into consideration.

Rays indoor MTB track. You can ride there in the winter

I've only done that one

CHENGA which was an indoor park (not why) but it was inclusive to everyone and well maintained.

Nothing! Love watching the kids.

Ann arbor... Canton DIY... Detroit riverside....Bay Village, Hudson... All these park have great features for ALL LEVELS, made with efficiency and purpose ..... They are clearly made by people that use skateparks and have an understanding that can only be derived from a lifestyle of riding and building.

Newark skatepark, Chenga World, Hudson skatepark in Cleveland, and Camp Woodward. I like these because they are much newer and have a lot more variety in obstacles and are much better to ride and are much more fun to ride with obstacles for every skill level.

Chenga ( Brookpark) - great indoor park that has obstacles for all wheels , awesome spine with deck ,quarter pipe to wall ride ( sub wall ) quarter pipe to a sub rail, nice big quarter pipe to step up box jump RAYS MTB (Cleveland)...This place is a bmx/mtbs dream....multiple rooms with different size jumps, street room,pump tracks ,kink bowl room ,just plain awesome

Ray's Indoor park and Chenga

Rays Indoor Bike Park has something for everyone and being indoors in the winter is great.

Cleveland's new pump track is awesome because it's well made and more than just a pump track. Bay Village has a nice micro park because of it being concrete with a nice bowl.

Skateboarding, because it has a positive effect on my physical and mental health. Its also a great medium to meet new people especially within a uplifting community like skateboarding

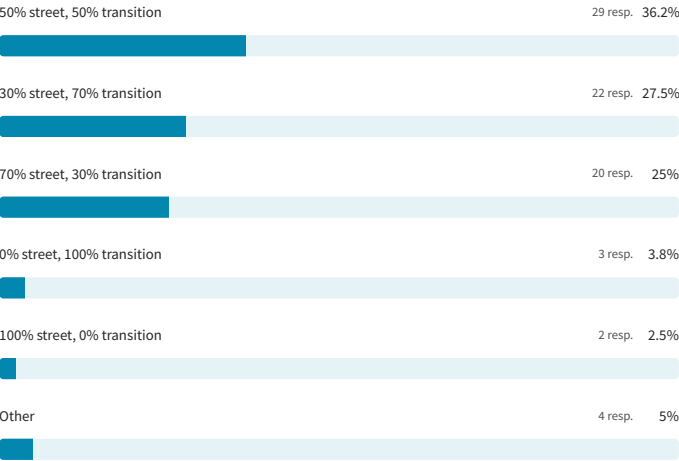
Honestly.. pretty much anywhere else, only because everywhere else offers variety for all skill levels. Sandusky ramps are just too big for the park to be fully enjoyable

Rays Indoor Bike Park, and the huge outdoor pump track in the city park next door.

Norwalk, the skatepark itself is useless but the surrounding trees are beautiful. Bay Village, great transitions, decent bowl for one person. Vermillion, good transitions.

What is your preferred ratio of street to transition terrain?

80 out of 101 answered



40% street, 60% transition

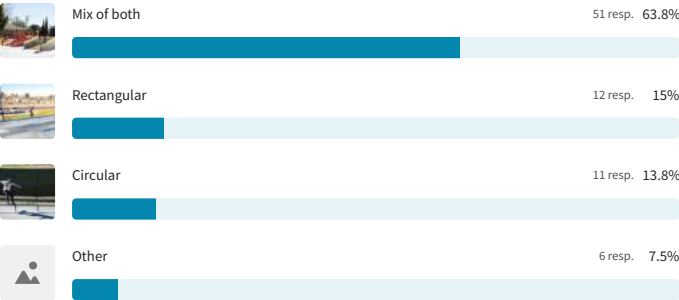
No idea

Idk to answer

Not sure

What is your preferred grind rail style?

80 out of 101 answered



Element should not just practice for inappropriate activities (pic C.)

Jump line!!

Too old to comment.

N/A

Don't skateboard

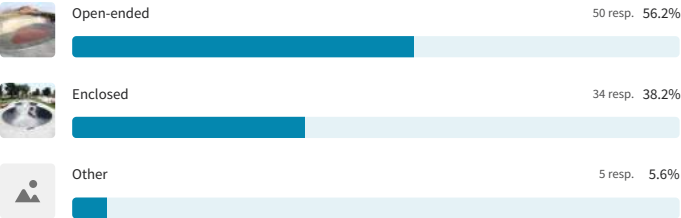
I dont really ride a lot of rails... id say just some basic stuff, with a round and square... maybe a easy and a more advanced option





What is your preferred bowl style?

89 out of 101 answered



Do not need

N/a

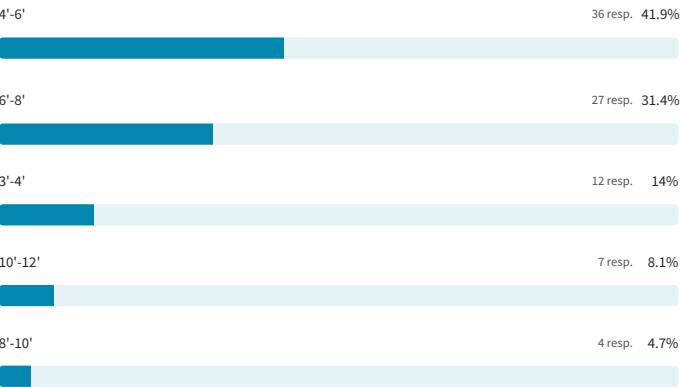
Both, like an open end and enclosed end

Both would be sweet

Those are two different things, one being a half pipe. And both are good.

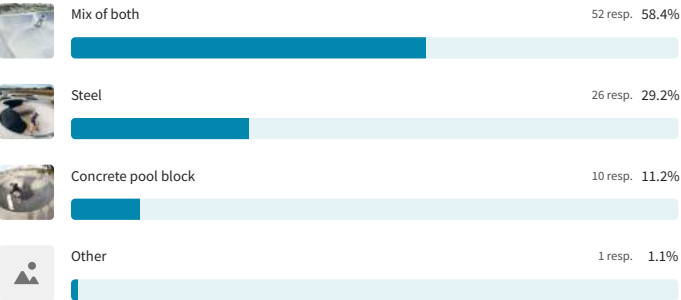
What is your preferred bowl depth?

86 out of 101 answered



What is your preferred bowl coping?

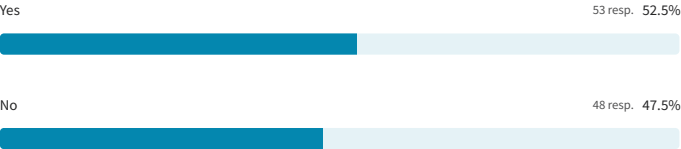
89 out of 101 answered



All bullshit not nessasary

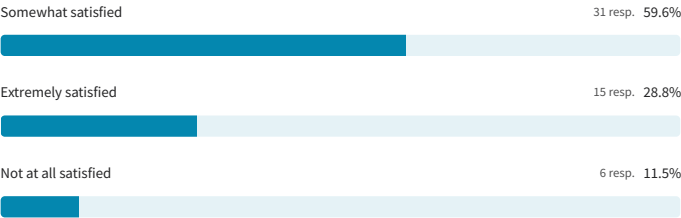
Do you currently ride the pump track?

101 out of 101 answered



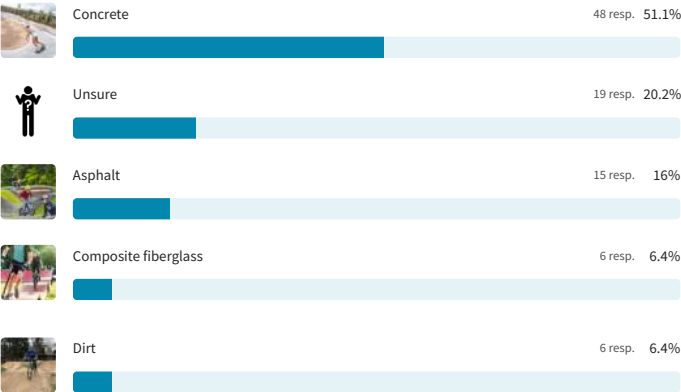
How satisfied with it are you?

52 out of 101 answered



What is your preferred material for a pump track?

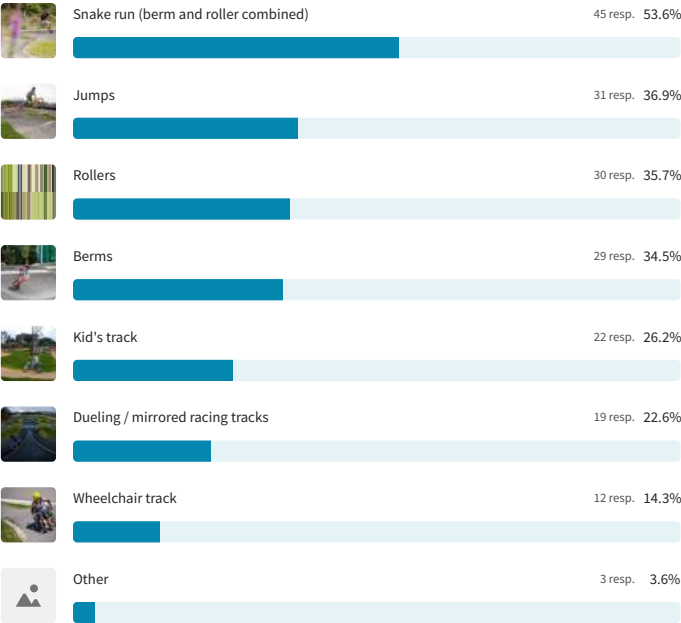
94 out of 101 answered





What are your preferred features for a pump track?

84 out of 101 answered



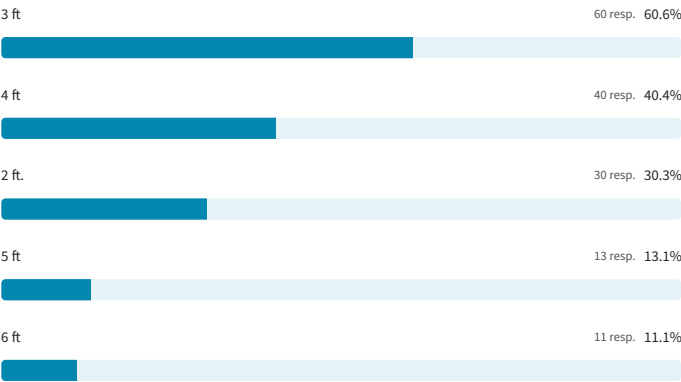
All bullshit

Boxes and tables

Are we really married to the pump track?... i seriously doubt that anyone has ride. The current one anywhere near as much as i have.. and i would much rather have a great “flowy” sort of mellow snake run.

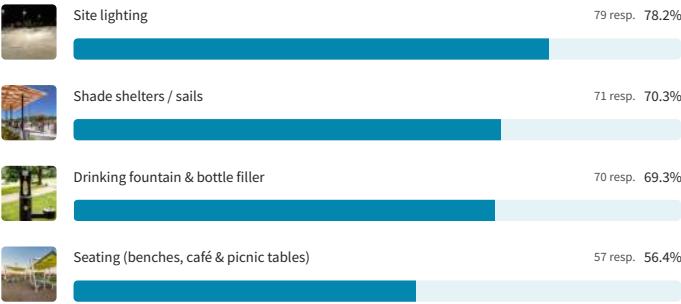
What is your preferred height for rollers?

99 out of 101 answered

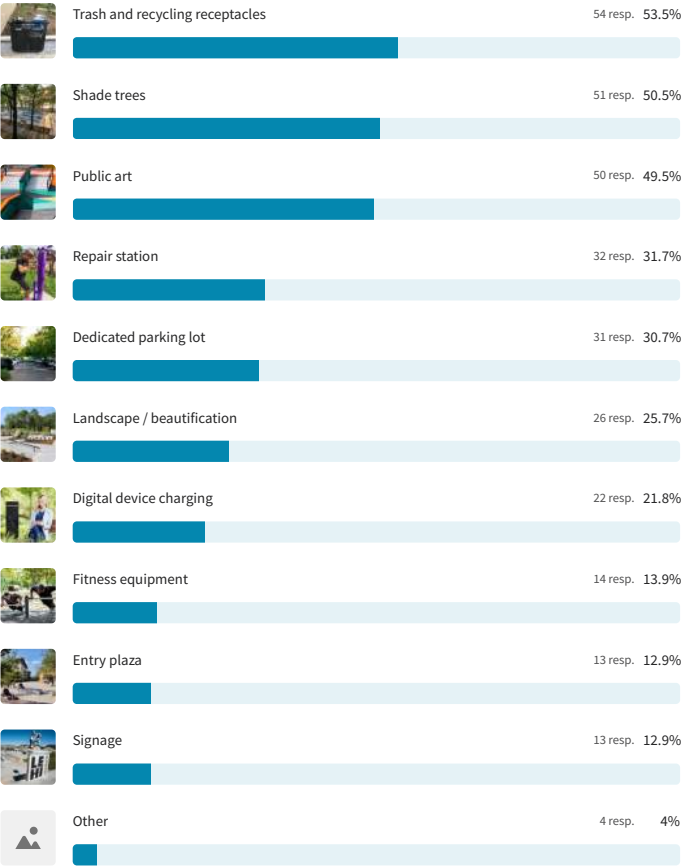


Select up to eight (8) park amenities you are most interested in seeing at the improved Sandusky Action Sports Park facility.

101 out of 101 answered







Leave from trees are a hazard

Bathrooms

Id say the quality of the park would be my primary concern and the and amenities would be a distant second. Basically the budget is better spent on a great park.. that being said, shade, lighting and a drinking fountain are good things to have

Restroom and stuff like that

Any additional comments or questions?  
38 out of 101 answered

Identify the volume of use expected and build a quality park that meets needs of the expected users.

Thanks for asking for community input!

Street art would be amazing to add

I'm excited to see what comes of this. Thank you to the city for allowing input and for doing this for the community and children. Staying active is important for health as well as important for giving the youth an outlet other than partying and making trouble. I can't wait to see the new improvement 😊 !!

Please build a new park down town and on Hayes ave that toddlers can access with ramps without help.

Please...

I would appreciate it if there were lighting so it doesn't close at sunset and we can night-skate

we need an area for younger kids just learning. My daughter is 3. She scooters, learning to skateboard and learning to ride a bike, there is nowhere for her

I honestly will make little use of this park but I have used skate parks in the past and would love to see an improved action sports park to add to our outdoor offerings. Hopefully this park will have the best interest of participants in mind to provide world-class entertainment

3ft mini ramp

Connect to the trail/pathway s as be extend the path system longer.

Thank you for asking for our input. We're all excited for this skatepark project! A lot of us have been waiting decades for a Public Concrete Skatepark built in this region. This is a much anticipated project

for your community.

Age Separation from beginners to Advanced kept Sperate. No Pets in this Area

Love the city, love the people getting this going, but PLEASE spend the extra money and use Spohn Ranch, make it accessible to all. I would love to be more involved as I have before! Brandon Bowe - 419-239-9610

Money should be spent on riding equipment. Park needs to be designed to be built and no no maintenance till the next one.

Best location for a new skatepark is Central Park. Most people I I skate with would preform more street than transition implemented.

We need to make sure this park is designed for all types of riders. It can't be just setup for skateboards and other riders can just adapt. You need to have features that appeal to all. It should be a progression from beginner to intermediate. Don't make it so everything is congested and kids are just getting hurt because there's no room or the right flow. Get cedar point involved and offer them to name the park after them if they put up a large donation. Make this something that people will travel hours to get to. You've done amazing work downtown, let's take that same energy to this park as well and give our kids something to be proud of.

Put a jump line in!

The park must be all inclusive to include an element of physical challenged.

Spohn Ranch is not an ideal park company. They create boring parks that quickly go unused. Please work with Team Pain (Florida) as they are the absolute best company. Literally all of their hundreds of parks are revered locally and from afar. I travel for team pain parks like a golfer looking for a Robert Trent Jones course. Spohn are like bad put put courses you'd find in sad tourist areas of places like myrtle beach.

Thank you! Skateparks are great for the community. We travel all over to our favorite parks spending the day and eating in local restaurants.

please incorporate a bowl and mini half pipe, the skaters of sandusky have been begging for over a decade for just these two ammenities, thanks for your consideration



I would definitely add some street elements like a small set of stairs with a handrail or hubba, and a small manual pad.

Please please put a bowl and mini half pipe, this will encourage young skaters to try new things in turn creating a more progressive and helpful environment for all to learn

We need a new park. A better layout and more street like

A destination skate park would greatly impact the local businesses. There is nothing on the entire north coast from Toledo to Cleveland that is on par with parks in Michigan and Central Ohio.

Please get this advertised better and light it up! My brother is a small time pro skater and puts on skate competitions at the Fremont skate park. This could be how sandusky park could be!!! We can make it happen.

Thank you for asking for input from citizens! Anxious to see the finished park.

There are so many nuances that go into making a great skate park.. I understand a survey is a start but I don't see it giving an actual clear picture of how to do that... my basic message is the same use real reputable Skatepark builders who can show a portfolio of making other great parks and let us work with them... i've heard rumors that spohn Ranch sometimes outsources they're building crews with ones that aren't primarily skatepark builders.. They've made good parks and they've made bad parks... I would just be very clear with them that we want a legitimate skate park building crew and designer... Particularly whoever made harbor cities... I've shown the pictures of Harbor city skate park to numerous riders including Skater's, Biker's, scooterers... all seem to agree that it was a great park and it was done by spohn Ranch.

Please make it so that it's good for all types of riding and is good for all skill levels and had a large variety in obstacles and is very well layed out and made by a reputable company. Please and thank you I've been riding the skatepark for 10 years and would really love to see us have a much nicer one that's good for the future generations as well

Would like to see a park that has a little bit of everything,from beginner to pro ,skate to bmx and everything in between, a blend of park and street, no wasted space but also a good flow design but avoids blending of two areas( park to street) in a dangerous way

I grew up riding the skatepark at Lion park in Sandusky(No bikes were allowed). Then when they built downtown was the same thing for so long(no bikes again) As a bmx rider and a parent of one. We just want a park that everyone can enjoy and that the kids of future generations will be able to. We want

people from outside our community to come and enjoy our park as well. Don't forget about the bikes this time!!!

Get those guys from PumpTrax USA to build everything for a pump track or bike park. A little kids tot track bike playground and a wheel chair course would be cool to see. Spohn Ranch builds good cement skate parks.

Please make the ground of the skatepark smooth, as this is equally as important as the ramps. Example- Huron. They made a brand new skatepark, and it is essentially unusable because they did not change the ground. It's very rough and borderline unskatable. Please don't let this happen in sandusky

Extremely excited to hear about a new park in Sandusky. I know a lot of skaters from the Toledo area that would totally visit more with a newly built park

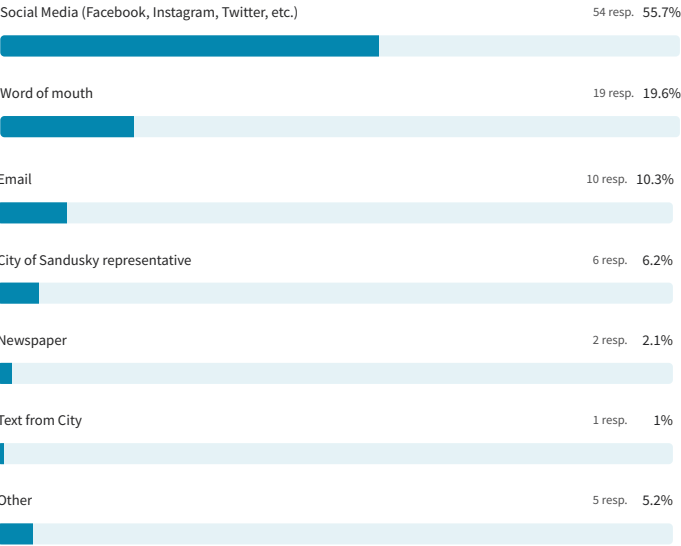
I'm a professional BMX rider from California. Performed with all wheels at cedar point for 12 years. Moved to Sandusky to build a indoor skatepark in 2019 but then the pandemic slowed my momentum. I currently have a house in downtown Sandusky and this skatepark will decide if I stay in the area or not. Thank you for building this. This area needs it badly and it's a very positive thing for kids and adults. Hopefully you can provide a good range of beginner to pro level areas. I cannot stress enough building something that pros will ride will only help and benefit the city growth through social media.

Please think about the kids. A lot of the feedback you are getting is from older guys and what they want from themselves. We dont need huge transition or bowls, or even a pumptrack. A lot of flat open space like a street plaza with transition features is very very necessary where we live. The choices we make on the features are everything and if we do it wrong its going to be all this time wasted.

Need to have a design that has zero maintenance become it is done it will be on to the next project

How did you hear about this survey?

97 out of 101 answered



saw it on city website

We are skater friends

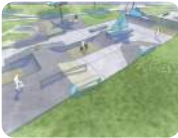
Website

Flyer

Chris Sluss is a really good friend of mine and has been talking about the new park for months now and spreading the word of it

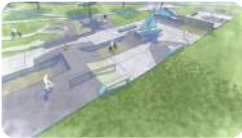
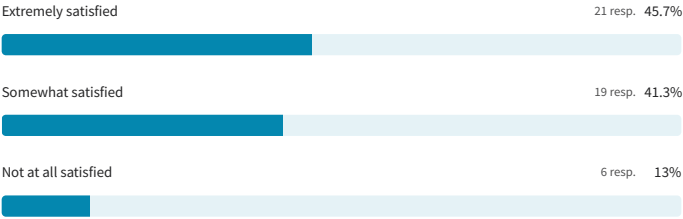
## Sandusky Wheels Park

46 responses



How satisfied are you with the proposed **Street Elements**?

46 out of 46 answered



If you are not extremely satisfied with the proposed **Street Elements**, what changes would help satisfy you?

21 out of 46 answered

Stairs set with rail / ledge ,euro gap,make sure grinding objects are high enough for bmx pegs to use>manual pad with high ledges on back side

Stair sets

Are there any features that can be used by kids with accessibility issues, such as children and young adults in wheel chairs?





More Ledges and rails.

more street elements

No wheels park at all. It is a waste of valuable water space and will bring attract gangs.

Add a stair set somewhere

We need a low manual pad with corners made for“slappy” grinding. Theyre very cheap and HUGELY popular.. I have a few friends that drive over an hour to Caton and Toledo DIYs to skate theirs. (The entire city its has a lack of skateable curbs).. also maybe a mello bank hip setup in the beginner section? (But slappy/manual pads are VERY important. (In fact the things skated the MOST at the current park is the small wood box and curb people made at home and brought to the park. Theyre cheap easy and used the most

Bigger bowl

More hips and banks

I would add a set of 4 stairs with a rail and hubba to the 1st spot on diagram 1(where they currently have a rail with hubba but no stairs just a down ramp).

There are essentially no manual pads. There are ledges that could hypothetically be used as one, but none designed for that purpose. Was hoping to atleast see one in the beginner section. And a rainbow rail is not for beginners

Too basic

The rails need to be bigger and downstairs sets, the ledges need be bigger and angled.

Need stair set down rails / ledge...longer higher ledges maybe two tier

Add a stair set to one side of the rail, younger riders desire that challenge

Need a ledge/manny pad.

Replace Wallie to hubba with bank to ledge/hubba. Widen buoy obstacle (too narrow currently). Add crease to current hip rather than it be a roll over.

We need a low, wide flat pad for manuals, but also metal on the edges for grinds. These ledges are alright, but they’re far too skinny and close to the edge. Also please don’t make them hollow

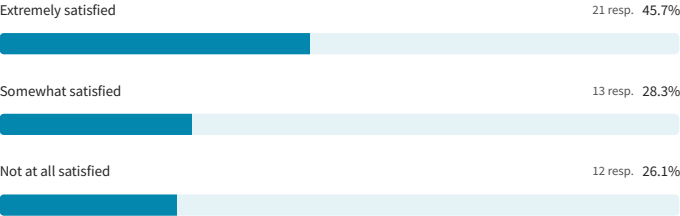
Everything looks perfect. Just missing a hip.

Larger objects ...this just skateboard driven



How satisfied are you with the proposed **Jump Line**?

46 out of 46 answered



If you are not extremely satisfied with the proposed **Jump Line**, what changes would help satisfy you?

21 out of 46 answered

Doesn't seem to be BMX friendly at all, it's not flowable

Glad a jump line is on the table, but remove sailing boat to a street spot replace with 5ft spine with wide top ,taller wider wall ride flat top for stalls ( not wave thing) maybe higher quarter extension at end of line

I would like a park coarse so it's easier to practice for competitions instead of having to travel out of town

Make sure multiple people can skate at one time in this area

Too congested. It'll be a safety hazard. Needs to be separated.

This is better suited for another area.

I think that space could be used for other obstacles

Bigger bowl

Make the roll in by the bowl a jump also

Just add something to the sides (like ledges), so it's not just wasted space.

The ledger is created by it, going under the ground level as a recipe for disaster and serious injury

Whole park is way too BMX - centered. Needs to be geared more towards skateboarders and scooters

Useless and not at all what was expected

Waste of time and money

Make it a little bigger for scooters

I like the concept but I can see a lot of skateboards rolling into the lower area when skaters bail on the street obstacles. Resulting I could imagine it would be difficult to avoid on a bike

Not at what was voted on ...was supposed to be a jump/ park area...the in ground idea is going to be hazardous if you go off to the side when landing...missing spine with 8in deck,big air quarters,.....box jump needs to be wider...aslo in center of park is bad idea

There should be a drainage line in the bottom of each jump line section to keep water from pooling, or this will be unusable to all riders after it rains or snows, considering our climate. Please and thank you.

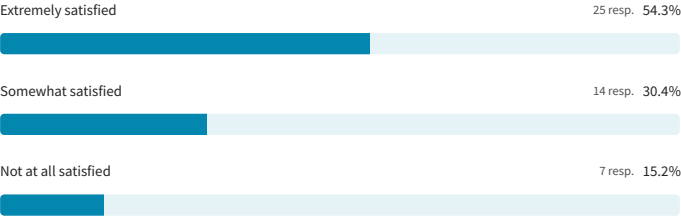
Would probably be ideal to have the jump line on either side of the park rather than in the center. I foresee transfers out of the jump line into traffic from the other lanes being an issue.

This " FLOW " IS DANGEROUS...not user-friendly...no spine with deck ...high speed after jumps into a sailboat ??not 8ft quarter

I love the boat hubba, but it is very intense to have in the middle of the park



How satisfied are you with the proposed **Bowl**?  
46 out of 46 answered





If you are not extremely satisfied with the proposed **Bowl**, what changes would help satisfy you?

18 out of 46 answered

Maybe a little more, like YAL or Holladay UT bowls ,sub box somewhere hitching post ect ,definitely nothing under 4ft in depth

Needs To be 5ft

Will there be drainage features in this, or will it become a pond for the geese?

It's good, but bigger

I would make this area more family oriented versus a teen area.

Deeper

Bigger bowl

Needs to be deeper, steeper and faster! For as small as it is in, might as well be put in the beginner side of the street section

We need a deeper bowl ! They would definitely draw in more people as well we don't have any decent bowls around here unless you travel to Columbus or Cleveland . A deeper and better bowl would make this place 1000 times better ! Give us vert skaters something somewhat local to go to ! Thank you guys for all you are doing !

8 foot deep end

We were expecting a mini section. 3.5 feet is not mini. That's medium at best. We ALL want a mini pipe section. (2 - 2.5ft)

Needs to be bigger

It needs to be bigger

Ohio needs taller Transitions 5ft shallow 8 ft deep

Sub rail added other than that good

Most riders prefer pool coping and tile in bowls, if not using then Diamond Grind coping in this section would be next best option that all riders would love and the city as it's made of steel with a diamond cut to make a cool noise when grinding or doing our tricks. Also, this bowl needs a drainage line or the water will pool in there making this unusable. Add a "death box" in the deep end, its a small rectangle cut out. If others want a bigger bowl the shallow could be 4 foot and deep 6 foot with a roll in in the shallow end.

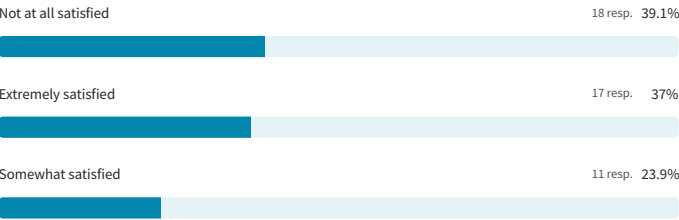
Hard to tell from the rendering but a laid back 6-7 ft radius transition would be nice. Too tight of a transition in a flow bowl like this severely decreases the usability.

Small height..no spine



How satisfied are you with the proposed **Pump Track**?

46 out of 46 answered







If you are not extremely satisfied with the proposed **Pump Track**, what changes would help satisfy you?

23 out of 46 answered

Needs to be bigger for sure

Could do without if it helps expand the plan more

Spend the money on something else

Seems like a lot of wasted space. More skatepark there and a pump track around the perimeter

Make it longer...like the one that is in place now

Looks a little small

Unneeded addition! Even if the space remains open

I would pass on the whole project.

make it bigger

Could use that for other Skatepark features

I dont think we need a pump track at all. The talk amongst all the riders is how we do not want another track. I think using the money to make some banks, boxes and slappy curb features would be awesome, cheap and wildly popular.... Buuut if the city really wants one, having a super small one like the picture, isnt the worst of things.

Bigger bowl

It is what it is, but definitely the aspect that will be the least used and biggest waste of space

Get rid of it

I fee like the focus needs to be pulled away from the pump track. The money could be used towards bettering the park more and we could always come back to the pump track another time.

Area could be use for jump / park course area

Take out the pump track. Give us more flat area with a manny pad/ledge and a hip with a rail across it.

From a skatepark enthusiast's perspective, a pump track is a very low bang for your buck feature that generally goes unused in this part of the United States. If it is a nonnegotiable feature I believe this size is the maximum to include but I'd be happier to see the budget utilized for more traditional skatepark features.

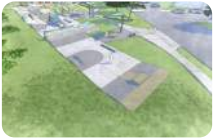
We don't need one, it's purely a waste of money/space and something for the geese to walk on.

No one wants a pump track

This a skateboard pump track

We could use it for more beginner area or just a flat, smooth area of concrete, to have along with the beginner area. Majority do not want a pump track, but as long as its built nice and not taking up too much room, it is very much appreciated

No pump track needed



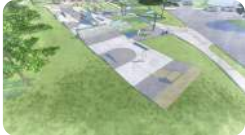
How satisfied are you with the proposed **Beginner Area**?

46 out of 46 answered

Extremely satisfied 28 resp. 60.9%

Somewhat satisfied 14 resp. 30.4%

Not at all satisfied 4 resp. 8.7%



If you are not extremely satisfied with the proposed **Beginner Area**, what changes would help satisfy you?

17 out of 46 answered

Quarter at other end ,a- frame,small hip maybe, definitely more obstacles

This could be an area you should offer more seating for parents, as a lot of younger kids who need parental supervision will ride in this area.

Needs a box as well

Another rail or 2 and a ledge at various heights

Manual pads!!!

1st i really like the mellow quarter and bank.. buuut as I have been stating, small manual pads, slappy curbs are deeply needed here.. Also instead of the mellow bank attached to the main park, a half pyramid would be cool.. i got a lot feed back on how much a bank corner (or hip) is desired.

Bigger bowl

The Tiny bowl should be with the beginner side

Add 3 size quarter pipes , 1ft -3ft 5ft for beginners to advance to

A rainbow rail is NOT a beginner obstacle. Very dangerous. Please change the rail. Please add a manual pad, as there are none elsewhere. And what's up with the round hips? We want real pyramids. Mellow is good, but not circle. No skatepark in history has a circle hip. Makes no sense. And let's hope that quarter pipe is lower than 3 foot.

It needs just a little more

Needs a little more added

Couple more items

Add a few more quarter pipes on the sides and a stair set on one of the sides of the embankment.

Widen the quarter pipe. There is a surplus of bank ramp in this section. Move the rainbow rail over a few feet and add a a-frame or rainbow hubba that can be utilized by non beginners when the space is vacant

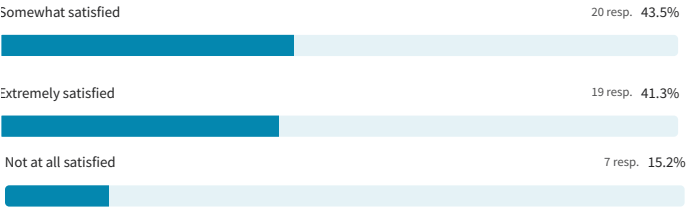
Maybe put a flat pad for manuals in here? That would make some sense, maybe 1ft tall, 4-5ft wide and 6-7ft long? Instead of the embankment parallel to the rail

Maybe a small A-frame



How satisfied are you with the proposed **Overall Feature Design**?

46 out of 46 answered





If you are not extremely satisfied with the proposed **Overall Feature Design**, what changes would help satisfy you?

25 out of 46 answered

Needs bigger bowl

Just as I mentioned before, would like to see some spot with stairs to jump over.

Add manual pad. Remove circled hips and make them angular pyramids. And ADD A MINI PIPE section please. Lower than 3ft.

Looks boring and basic. The wrong kind of flow. Needs amped up a lot.

Bigger and more quality things. I thought this was supposed to be a destination park and this just kind of boring. I have a 3 year old daughter who is learning to skateboard now and bmx and I don't see her getting much use out of this. I personally longboard and am learning outdoor roller skating and I don't see me getting much use out of this design either.

Just a five set with hand rail and lights some of us get off of work late and would like to still get in a good sesh

With the jump track I could foresee drainage issues.

Jump/ park course area ...this idea of "all flowing " is not going to work ...all the sports have different speeds at which they travel and heights which the go in air ,aslo different sports will flow park different.. blending that all together with out some type of separation is bad idea

Would prefer to see drainage added to the bowl and flow area to keep the park operational during wet seasons. Please add LIGHTS, BENCHES, we loose daylight early in the fall and lights will keep this space safer, the community is going to be curious, and want to watch, please add benches and shade. The park also needs a water source- a drinking fountain, or water station for water bottles, this will decrease the empty water bottles that will be left behind by some. I'm sure city will add trash cans and ports potty. Phase 2's take forever, lights, drinking water and benches are top priority in phase 1. These important features will be important once built and will keep everyone happy while community enjoys this awesome park. Looks good.

No pump track. More street and park obstacles. A pad and hip is much needed.

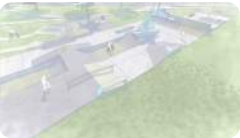
Not bad, but room for improvement

Adding a hip

Not all wheels looks a normal skate park ...jump area need to be bigger and more to one side or another...big wide quarter pipe...bowl have a wall ride and sub box..also would like to know dimensions of ramps

It would be nice to have some kind of hydration station. A drinking fountain with a refillable water bottle option. And Lights!

Need to be something other then a rectangle like we have. Not using the land very well.



Any additional comments or feedback?

30 out of 46 answered

If more money is needed for a truly successful destination action sports complex then maybe look into donations, grants, fundraising

Sophan ranch just builds parks for skaters

Add as many trees around park as possible

We all really appreciate whats going on! It looks like a lot of hard work went into it and we'll put it to great use. Maybe make the park a bit wider though! Lots of space to fall off the side.

Cute sailboat. May be difficult to grind down

Slappy curbs and manny pads... The Canton and Toledo DIY have great examples of what Im talking about.. and again thank you 🙌

Bigger bowl

Bigger jump line and overall needs to be bigger

Would like to see alot more to make this park really stick out and make it destination park,please stop taking time and effort from plan to include tacky art work ,

Could be alot better I ride in the Olympics I need a local place to practice

Would like to see an ADA feature and more seating for spectators.

Pump track is to small

Box jump. Spine. Street section with rails and ledges. A small pump track. I like the bowl. You won't ever be able to please everyone. Just make a great all around park for future generations to enjoy!!

Everything looks fantastic, just a few too many grind ledges, replace 1 or 2 with some unique manual pads 🍷 maybe 1 circle 1 square? Also that sail looks kinda dangerous, but it looks like a fun obstacle without!

I would make this an area all ages would enjoy.

I think its a tremendous upgrade and am VERY thankful.. It takes into consideration all the riders here.. the only slight criticism is the missing manny pad and slappy curbs.. But thank you so much it looks pretty cool over all to me

Bigger bowl





Donate old ramps to a city without if this actually gets built!

I didn't notice no stairsteps not even a two step add stairs and bigger bowl

Bigger and or deeper bowl ! Pretty pretty please and thank you guys!

This park looks absolutely beautiful

We really need a mini pipe. 3.5 feet is not mini

Hate the name Sandusky Wheels Park. It should say Sandusky Action Sports Park. Wheel Park just doesn't sound right. This design is not what I was expecting at all

I feel like we need to stop thinking about a pump track right now and focus on the actual elements being put into this. This does not look like a million dollar destination park.

Much better than the previous concept designs. I think this will be a fun park for all sports and abilities.

Let's go this gonna bring a lot

A time estimate I'd like to reach out to pro teams to come and demo the opening day

Sail boat art work is great

Looks very nice I love the sailboat concept where we can grind and what not I'm a longtime skateboarder from the area only thing is I wish they would've added a stairset so we can practice down

Jump line is not the answer to satisfy the sports the prefer to " jump" and ride a more park type area ...this park is a skate park with a box jump added

Key features that can be added are lights, drinking fountain, Diamond Grind coping, drainage to bowl, flow section, stair set, and hub box in beginner street section, benches, trees for shade.

Every rider in town has pretty much agreed a pump track is a waste of resources.

Could we possibly change the sailboat sign to the wall ride on top of the quarter pipe? It seems rather intrusive in its current location.

Everything looks great, but please take some feedback about a wider ledge/manual pad (very popular). I think this park looks like something everyone can enjoy for the most part, less ledge more pad :)

The rails and ledges are great. Just need a hip transfer.

Miss the mark all wheel aspects and begin a beginner to pro type of park ...very limiting

Thank you for listening to the masses! I would love to be more involved after being a life long resident. btbowe11@gmail.com

This looks amazing. Well done!!!

Overall concept and design look great, can't wait to see it come to life and be able to skate it!

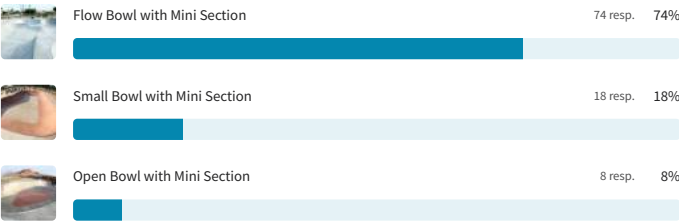
No pump track in the beginning phase. It can be added later. With the jump line and bowl what is the water drainage. Have you thought about maintaining it.

## Sandusky Action Sports Park

104 responses

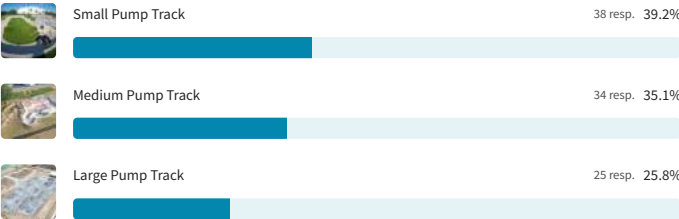
Select which type of **Bowl with Mini-Ramp** you most prefer

100 out of 104 answered



Select which type of **Concrete Pump Track** you most prefer

97 out of 104 answered



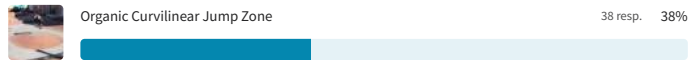
Select which type of **Jump Line** you most prefer

100 out of 104 answered



Please listen to the skaters.

Concrete used on all. Use the entire space! Lots of people frequent so would be nice to be spread out.



How about a mellow and architectual street area? And small a smaller quater pipe?

Needs lighting and security to prevent damage.



Spohn built La Quinta skatepark, put those similar bowl, flow, pump track in Sandusky

Thank you.

I think a good slappy curb would be cool. I don't really care for a pump track

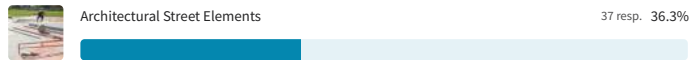
Thank you for looking for local input!

I personally dont care for another pump track.. and from speaking to others they feel the same way.

N/A

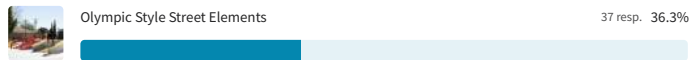
Select which type of **Street Elements** you most prefer

102 out of 104 answered



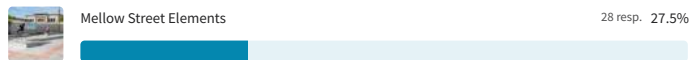
Cli bike park in Cleveland knocked it out the park with there setup. Would be nice to see sandusky have something similar.

It would be awesome to have a set 4 stairs with hubbas and a rail



No pumptrack

As a skateboarder the existing park is not great. Very exciting to see a real park is coming soon! Thank you!



My name is Donald Pitcher I just wanna say I'm very excited that we're getting a new park I think it'll be great for Sandusky and bring more people in skateboarding as a sport has became so big

Asphalt pump track over concrete.

Street/bowl/park areas should blend a little but not enough to cause safety problems or only one person "flowing" whole park

I feel like is first concept is very skateboarding driven even the pump track is more a skateboarding type pump track....park is not looking very all wheels

A step up/euro gap!!!

Pump track should not be considered the answer to " BMX " part of the park plenty of concrete parks the incorporate bmx style jumps / spines and other obstacles into a good flow alot are inside of bow

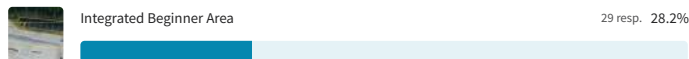
Select which type of **Flat Beginner Area** you most prefer

103 out of 104 answered



I really thought everyone was adamant about not having a pump track. I believe that budget would be way more useful in the body and layout of the park itself.

Pump track project in another location spend time and money on The park



No pump track needed this way, norwalk has it covered

Keep it mellow, please! No more giant ramps that go unused by 90% of the people who use the park.. please keep it small and mellow

Keep the existing rails( flat bars) just put in different spots

round rails and ledges

Pump track or bmx jump line. Don't need both, the average skateboarder has little to no use for a pump track

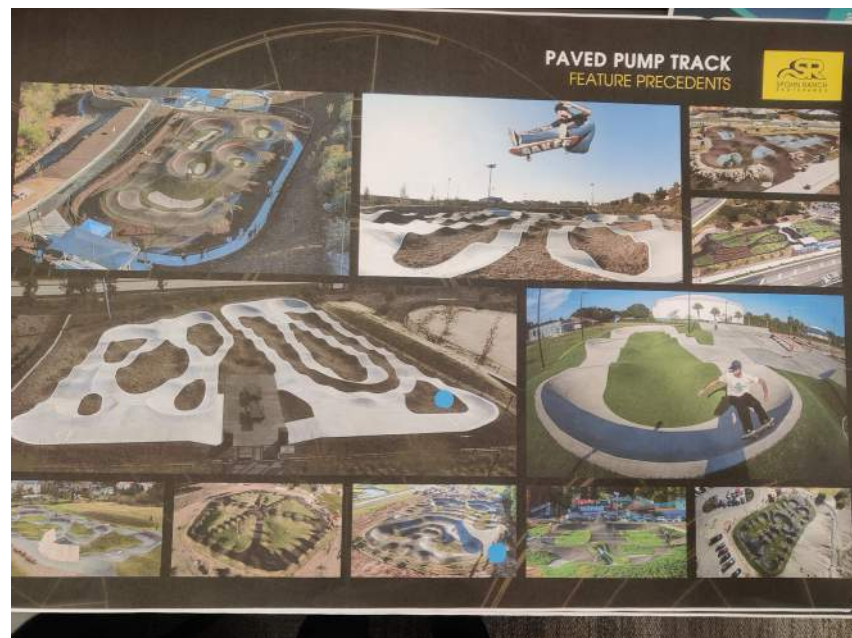
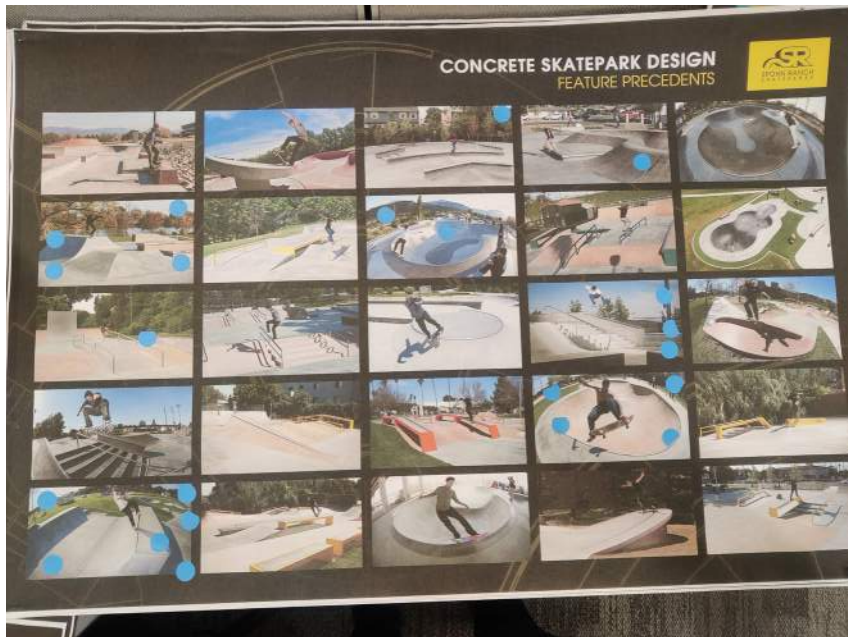
Pump track in a different location for better sizing and more options

Any additional comments or feedback?

30 out of 104 answered

None

PLEASE DONT GIVE US ANOTHER PUMP TRACK NO ONE WANTS IT 🙄





# WHAT ELSE?

5ft spine

5ft Box jump  
Step up

Bowl w/ shallow end  
around 4ft

mini ramp

mini spine conso

Kids learning area (beginners)

Sub box / sub rail

Wall Ride

90° hip



### Suggestions

- Diamond Grind Coping
- Lights
- Drinking fountain
- Restrooms

Move Sailboat!

### Pros

Slappy <sup>Curbs</sup> ~~Grind~~  
Manual Pads  
Maybe a Mellow  
Bank to Ledge

### Cons

# SIGN IN

Sandusky Wheels Park - Public Open House | 06.15.2023



NAME:

EMAIL (OPTIONAL):

- |                    |                          |
|--------------------|--------------------------|
| 1. Chris Sluss     | csluss85@gmail.com       |
| 2. Alex Downing    | appiedokie@aol.com       |
| 3. Nick Lawson     | FXDX 763@gmail.com       |
| 4. Nick McGokey    | mcgokeyn@gmail.com       |
| 5. Anthony Fosco   | amfosco@bex.net          |
| 6. Reed Hettel     | reedhettel@yahoo.com     |
| 7. Patrick Vaccaro |                          |
| 8. Rob Weissman    | digitalrob@hotmail.com   |
| 9. Mark Harper     | markharper1995@yahoo.com |
| 10.                |                          |
| 11.                |                          |
| 12.                |                          |





# Detailed Cost Estimate (Phase 1)

Sandusky Wheels Park  
Cost Estimate - Phase 1

OHM Advisors  
6001 Euclid Avenue, Suite 130  
Cleveland, OH 44103



Wednesday, July 26, 2023

No.	Description	Qty.	Unit	Unit Cost	Total	Notes
REMOVAL						
1	Removal - Vehicular Pavement	1,017	SY	\$ 15.00	\$ 15,250	Pump Track
2	Removal - Concrete Pavement	962	SY	\$ 24.00	\$ 23,096	
3	Removal - Landscaping	1,000	SY	\$ 2.00	\$ 2,000	
SITE IMPROVEMENTS						
4	Earthwork	1	LUMP	\$ 20,000.00	\$ 20,000	
5	Parking Space Pavement Striping	19	EACH	\$ 35.00	\$ 665	Assumes 2 coats of standard pavement striping.
6	Accessible Parking Spaces	4	EACH	\$ 500.00	\$ 2,000	Includes wheel stops, and accessible signs.
7	Shade Sails	1	LUMP	\$ 40,000.00	\$ 40,000	Assume shade sails
8	Traffic Control Signage	1	LUMP	\$ 2,000.00	\$ 2,000	
9	Asphalt Paths	5,150	SF	\$ 4.50	\$ 23,175	
10	Stormwater Management	1	LUMP	\$ 1,500.00	\$ 1,500	Stormwater pollution protection control measures.
11	Drainage	1	LUMP	\$ 12,000.00	\$ 12,000	
LANDSCAPING						
12	Topsoil & Seed Disturbed Areas	2,305	SY	\$ 2.00	\$ 4,611	
13	Deciduous Tree Planting (2" Cal.)	10	EACH	\$ 500.00	\$ 5,000	
INCIDENTALS						
14	Design Contingency	1	LUMP	\$ 50,000.00	\$ 50,000	
15	General Conditions / Mobilization	1	LUMP	\$ 18,000.00	\$ 18,000	
Subtotal Park Improvements:					\$ 219,297	
ALL-WHEEL FACILITY						
	Skate Park	10,000	SF	\$ 65.00	\$ 650,000	
	Pump Track	2,000	SF	\$ 65.00	\$ 130,000	
Subtotal All-Wheel Facility:					\$ 780,000	
Total Construction Cost:					\$ 999,297	

## Detailed Cost Estimate (Phase 2)

Sandusky Wheels Park  
Cost Estimate - Phase 2

OHM Advisors  
6001 Euclid Avenue, Suite 130  
Cleveland, OH 44103



Wednesday, July 26, 2023

No.	Description	Qty.	Unit	Unit Cost	Total	Notes
REMOVAL						
1	Removal - Vehicular Pavement	1,800	SY	\$ 16.00	\$ 28,798	Access drive and cell tower access drive
2	Removal - Landscaping	1,943	SY	\$ 2.00	\$ 3,885	
3	Removal - Cell Tower Fencing	225	LF	\$ 10.00	\$ 2,250	Chain Link
SITE IMPROVEMENTS						
4	Earthwork	1	LUMP	\$ 30,000.00	\$ 30,000	
5	Asphalt Drives / Parking Lot	9,475	SF	\$ 6.00	\$ 56,850	Assumes 1.5" surface course, 2" intermediate course, tack coat, and 6" #304 gravel base.
6	Asphalt Drop Off Zones	2,812	SF	\$ 6.00	\$ 16,872	Assumes 1.5" surface course, 2" intermediate course, tack coat, and 6" #304 gravel base.
7	Parking Space Pavement Striping	8	EACH	\$ 35.00	\$ 280	Assumes 2 coats of standard pavement striping.
8	Accessible Parking Spaces	2	EACH	\$ 500.00	\$ 1,000	Includes wheel stops, and accessible signs.
9	"Sunset Steps"	135	LF	\$ 550.00	\$ 74,250	Assume single-sided steps for 90 LF and double-sided steps for 45 LF
10	Spectator Plaza	1	LUMP	\$ 25,000.00	\$ 25,000	Assume bleachers, café tables, benches, trash receptacles, shade sails / tree planting
11	Traffic Control Signage	1	LUMP	\$ 2,000.00	\$ 2,000	
12	Asphalt Path	475	SF	\$ 4.50	\$ 2,138	
13	Entry Plaza	1,145	SF	\$ 9.00	\$ 10,305	4" Concrete with standard broom finish over 4" aggregate base.
14	Fisherman Drop-off Plaza	1,145	SF	\$ 9.00	\$ 10,305	4" Concrete with standard broom finish over 4" aggregate base.
15	Board on Board Fence	240	LF	\$ 100.00	\$ 24,000	12' HT. at Cell Tower
16	Drinking Fountain / Water Service	1	LUMP	\$ 15,000.00	\$ 15,000	
17	Sanitary	1	LUMP	\$ 10,000.00	\$ 10,000	
18	All-Wheel Facility Lighting	1	LUMP	\$ 100,000.00	\$ 100,000	Musco lighting
19	Site Electrical / Lighting	1	LUMP	\$ 25,000.00	\$ 25,000	Non-all-wheel facility
20	Stormwater Management	1	LUMP	\$ 20,000.00	\$ 20,000	Stormwater pollution protection control measures.
21	Drainage	1	LUMP	\$ 15,000.00	\$ 15,000	
LANDSCAPING						
22	Topsoil & Seed Disturbed Areas	3,721	SY	\$ 2.00	\$ 7,442	
23	Deciduous Tree Planting (2" Cal.)	12	EACH	\$ 500.00	\$ 6,000	
24	Shrub Plantings	20	EACH	\$ 85.00	\$ 1,700	

Subtotal: \$ 486,375

20% Contingency: \$ 97,300

15% General Conditions / Mobilization: \$ 73,000

Total Construction Cost: \$ 657,000

**SANDUSKY  
WHEELS PARK**

**2023**