



Hanover Community Splash Pad and Centre of Excellence Park Feasibility Study

Final Report

24 July 2023



Hanover Community Splash Pad and Centre of Excellence Park Feasibility Study

Prepared for:



The Town of Hanover

Hanover Community Splash Pad and Centre of Excellence (COE) Park Project Team:

Laura Christen

Director, Parks, Recreation and Culture

The Hanover Community

Parks, Recreation, and Culture Advisory Committee

Prepared by:

pl.ural

Sean Kelly

Stasia Stempski

Tatijana Vukovic

© 2022. pl.ural (Stempski Kelly Associates Inc.) All Rights Reserved.

No part of this publication may be reproduced in any form or by any means without the written permission of pl.ural (Stempski Kelly Associates Inc.).

Table of Contents

| | | | | | |
|---|----|---|-----------|--|-----------|
| Introduction | 1 | Potential Splash pad facility locations ... | 21 | The Potential COE Location | 45 |
| Project Overview | 2 | Location #3 | 24 | Location Overview | 45 |
| PART A: Hanover Community | | Kinsmen Ball Park | 24 | Observations | 46 |
| Splash Pad Feasibility Study | 3 | Existing Conditions | 25 | Analysis | 47 |
| Community Splash Pads | 4 | Site Analysis | 26 | Hanover Park as a Centre | |
| Overview | 4 | Potential Splash pad facility locations .. | 27 | of Excellence (COE) | 48 |
| Types of Water Management Systems | 5 | Proposed Splash Pad Locations | | COE Programming Considerations | 50 |
| Recirculation System | 5 | Comparison | 30 | Factors to Consider | 51 |
| Re-use and Re-purpose System | 6 | Splash Pad Location and Capital Budget | | Existing Recreation Structures | 51 |
| Splash pads within the SVCA | 7 | Comparison | 31 | Circulation | 56 |
| Washroom Options | 8 | Conclusion | 33 | Existing Infrastructure | 61 |
| Community Engagement | 9 | Assessment | 33 | Proposed Recreation Facilities | 64 |
| Online Survey Results | 9 | Recommendation | 35 | Hanover Centre of Excellence (COE) Park .. | 67 |
| The Potential Locations | 11 | Splash Pad Concept for Hanover Park | 36 | Hanover Park - Proposed COE Concept A .. | 69 |
| Location Overview | 11 | Concept Sketch | 36 | Hanover Park - Proposed COE Concept B .. | 70 |
| Location #1 | 12 | Description | 37 | Appendices | 71 |
| Heritage Square | 12 | PART B: Hanover Centre of Excellence (COE) | | | |
| Existing Conditions | 13 | Park Feasibility Study | 38 | | |
| Site Analysis | 14 | Centre of Excellence (COE) Park | 39 | | |
| Potential Splash pad facility locations ... | 15 | Town of Hanover PRC Masterplan | 39 | | |
| Location #2 | 17 | Demographics | 41 | | |
| Hanover Park | 17 | Town of Hanover Community Facility and | | | |
| Existing Conditions | 18 | Service Profile Background Report ... | 42 | | |
| Site Analysis | 20 | Community Engagement | 43 | | |
| | | Online Survey Results | 43 | | |



Introduction

Section 01: Introduction1
Project Overview2



Hanover Heritage Square Entrance

INTRODUCTION

PROJECT OVERVIEW

In 2021, council approved a number of parks assessment recommendations to improve and enhance Hanover's placemaking opportunities, to connect residents to nature, to increase the play value of playgrounds and to repurpose existing playgrounds. One of the approved recommendations was as follows:

“to plan for a centre of excellence (destination) (COE) park at the Hanover Park location in partnership with a community organization(s), i.e., service club. To facilitate and establish a memorandum of understanding with a community organization(s) and then implement the plan.”

Subsequently in June 2022, council approved a notice of motion directing staff to conduct a feasibility study to investigate the associated capital and operating costs of a splash pad, and to explore possible locations for the splash pad facility with Heritage Square being considered as a possible location while also considering the possibility of a splash pad being phase 1 of the broader Centre of Excellence Park concept. This notice of motion was in response to a grassroots community residents group's request to construct a splash pad.

This report has been composed to assist in examining current conditions of each proposed location, identifying opportunities and constraints, proposing options for the establishment and feasibility of a potential splash pad, as well as, a potential location for a 'Centre of Excellence' Park.

PART A

Hanover Community Splash Pad Feasibility Study

| | | | |
|---|----|---|----|
| Community Splash Pads | 4 | Location #2 | 17 |
| Overview. | 4 | Hanover Park | 17 |
| Types of Water Management Systems | 5 | Existing Conditions | 18 |
| Recirculation System. | 5 | Site Analysis | 20 |
| Re-use and Re-purpose System | 6 | Potential Splash pad facility locations . . . | 21 |
| Splash pads within the SVCA. | 7 | Location #3 | 24 |
| Washroom Options | 8 | Kinsmen Ball Park | 24 |
| Community Engagement | 9 | Existing Conditions | 25 |
| Online Survey Results. | 9 | Site Analysis | 26 |
| The Potential Locations | 11 | Potential Splash pad facility locations . . . | 27 |
| Location Overview | 11 | Proposed Splash Pad Locations | |
| Location #1 | 12 | Comparison | 30 |
| Heritage Square. | 12 | Splash Pad Location and Capital Budget | |
| Existing Conditions | 13 | Comparison | 31 |
| Site Analysis | 14 | Conclusion | 33 |
| Potential Splash pad facility locations . . . | 15 | Assessment | 33 |
| | | Recommendation | 35 |
| | | Splash Pad Concept for Hanover Park. | 36 |
| | | Concept Sketch | 36 |
| | | Description. | 37 |



Community Farmers Market at Heritage Square

COMMUNITY SPLASH PADS

OVERVIEW

With the many pressures placed on a Municipality to provide current recreational facilities with state-of-the-art servicing, all under the overriding concepts of sustainability and green initiatives, it's often a challenge to ensure that all the right information is being collected, assembled, and presented to enable the best decision is made to satisfy all.

Development Considerations:

- Proximity to parking, circulation, existing utilities and washrooms.
- Overall accessibility and safety.
- Water management options.
- Available space vs anticipated use
- Regulatory requirements (SVCA)
- Site 'suitability' regarding current programming.
- Community support
- Capital and operating budget

Every case, park, or condition is unique and will have its own challenges. The decision-making process for choosing the appropriate water management system in public park splash pads is also governed by similar pressures.

There are basically two water systems that can be used for today's splash pad designs. Capital costs, energy and water consumption, infrastructure capacity, maintenance expertise and staff time, ongoing use of chemicals and public opinion dominate the argument for the adoption of each system. Ultimately, the system that maintains the smallest 'carbon footprint' might be considered as the right choice for development. With limited 'carbon footprint' documentation available for consideration, one must weigh out the pros and cons of using the different options in water management carefully to ensure that everyone's needs are being met. The following brief outlines some of the cases for and against using each of the two systems available.



Splash Pad Example

TYPES OF WATER MANAGEMENT SYSTEMS

RECIRCULATION SYSTEM

This closed-circuit system filters and reuses the very same water flowing from your play area. Simplifying installation and keeping quality top of mind, recirculation systems are engineered to your project requirements and factory built and tested.

- \$80K-\$100K extra up-front cost
- 100 amps of hydro required
- Requires holding tank (2000-3500 gal) and overflow connected to storm or sanitary
- Requires 10-15% refresh rate of water per day in the tank due to bather load and evaporation
- Daily maintenance by Town staff with pool experience required (2-3 hrs) daily to check the pumps, filters, chemicals, UV etc.
- Increased down time / splash pad closure required when the system requires maintenance
- Yearly chemical costs
- Requires a building large enough to house the manifold, controller, pumps, filters, UV, chemicals etc. (at least 10'x16')

Opportunities

- Perceived as a 'safe' water system due to the water treatment required.
- Provides 100% filtration and disinfection.
- Perceived as an environmentally friendly system that limits water loss as a 'closed system'

Challenges

- Expensive installation costs.
- Additional building space required for mechanics.
- Additional trained, on-site staff is required to maintain filtration equipment and monitor chemicals.
- Additional chemicals required.
- Pump runs continuously: high energy consumption.
- Additional costs are not tangible assets as seen by the public.
- Ongoing maintenance costs for filtration equipment, pumps, and chemical controllers.



Splash Pad Example

FLOW-THROUGH SYSTEM

A Flow Through system uses water from the municipal system for the splash pad, and it is then released either back through the sanitary system, to a drain, or it can be captured as 'grey' water for other uses such as irrigation, summer flower watering, vehicle cleaning and so on.

- 15 amps of hydro required
- 6" drain connected to sanitary or storm sewer
- Uses 75-100 cubic meters of water per day depending on size, usage, weather etc. (typical season runs from June-September)
- Little to no maintenance required other than daily inspection of splash pad deck for broken glass etc.
- Manifold and controller can be housed in an existing building or above grade cabinet

Opportunities

- Smaller space is required for the mechanical system.
- Overall lower maintenance/staffing requirements.
- No chemicals (possible municipal requirements for surface irrigation)
- Low energy consumption.
- Overall smaller carbon footprint compared to a Re-circulation system
- Option to re-use water for other uses.

Challenges

- Additional cost for water holding tank (if re-using water for other purposes)
- Maintain an efficient balance between available water and water requirements.

Please Refer to Appendix B for the detailed Splash Pad Operating Costs Comparison Chart

SPLASH PADS WITHIN THE SAUGEEN VALLEY CONSERVATION AUTHORITY (SVCA)

Splash pads using a Flow Through system have recently been developed along the Saugeen River in Port Elgin, Southampton, Chelsey, Paisley and Tara. Three of these splash pads (Port Elgin, Southampton, and Paisley) capture spent water (known as 'grey water') in a holding tank for re-use in their respective communities.



Port Elgin Splash Pad



Southampton Splash Pad



Chelsey Splash Pad



Paisley Splash Pad



Tara Splash Pad



Figure 1 - Automated Self Cleaning Unit



Figure 2 - On-site Single Unit



Figure 3 - Portable Trailer Washroom

WASHROOM OPTIONS

It is important to consider washroom options as each of the proposed splash pad locations comes with its own challenges.

Listed below are a few washroom options for consideration:

AUTOMATED SELF CLEANING UNIT

- Automated Self Cleaning Unit located in Hoffer Park, Centre Wellington ON (Figure 1)
- Surface mount to concrete platform
- Requires hydro; water (optional grey water connection)
- Budget: \$300,000

ON-SITE SINGLE UNIT

- On-site Single Unit located in Forfar Park, Fergus ON (Figure 2)
- Permanent, on-site build, single unit with storage
- Optional grey water connection
- Budget: \$70,000+ servicing

PORTABLE TRAILER WASHROOM

- Niutoilet (direct purchase) accessible single unit (Figure 3)
- Would require additional above grade Control Cabinet for 10,000
- Can connect directly to town servicing
- Budget: \$60,000 plus servicing



Sunken Garden in Heritage Square

COMMUNITY ENGAGEMENT

ONLINE SURVEY

The online survey went live on Wednesday, January 18th and was open for two weeks. The survey received **759 responses**. Of the 759 responses, **562 respondents were permanent residents of Hanover**.

The survey covered a series of 32 questions, ranging from potential user age groups, frequency of use, splash pad features, likes/dislikes of other splash pads, surfacing materials, etc. The survey also covered questions regarding the implementation of a 'Centre of Excellence' Park in Hanover. **The following results are from Permanent Hanover residents and Hanover business owners only.**

What we heard:

- 62% of respondents said they would frequently or sometimes use a splash pad if it were located at Heritage Square
- 50% of respondents with children said they would use a splash pad if it were located at Heritage Square
- 81% of respondents said they would frequently or sometimes use a splash pad if it were located at Hanover Park
- 93% of respondents with children said they would use a splash pad if it were located at Hanover Park
- 72% of respondents said they would frequently or sometimes use a splash pad if it were located at Kinsmen Ball Park
- 83% of respondents with children said they would use a splash pad if it were located at Kinsmen Ball Park

Top 5 aspects of other splash pads that respondents liked:

1. Close to washrooms 72.18%
2. Good viewing and seating options 70.42%
3. Close to other recreation amenities (playgrounds, sports fields, courts etc.) 69.72%
4. Very vibrant and engaging with a variety of water features 68.66%
5. They accommodated different age groups well 68.30%



Saugeen River

Top 5 issues respondents had with other splash pads:

1. There was little to no shade (trees or structure/ canopy) 62.66%
2. There were limited seating areas 44.40%
3. There were no washrooms or change rooms 36%
4. Hours of operation limited/ prohibited use 27.39%
5. Geared to toddlers so my older kids got bored 24%

Please Refer to Appendix A for the detailed online survey results




THE POTENTIAL LOCATIONS

LOCATION OVERVIEW



Aerial of Hanover, Ontario

As with any sound structure, a solid foundation sets the stage to support comprehensive decision-making. The focus for this stage of the project is the gathering and synthesis of relevant information that will influence the design, location, and implementation of a splash pad. Using a well-honed arsenal of approaches and techniques to reveal issues, challenges and opportunities, the information gathered becomes integral for future community engagement and concept development.

-  Potential Locations
-  SVCA Approximate Regulated Floodplain Area
-  450 m walking radius from potential locations

LOCATION 1
Heritage Square (1.54 Acres)
358 10th Street

LOCATION 2
Hanover Park (13.4 Acres)
780 7th Avenue

LOCATION 3
Kinsmen Ball Park (9.7 Acres)
310 17th Avenue

LOCATION #1

HERITAGE SQUARE

Address: 358 10th Street

Size: 1.54 Acres (6230 sq. m)

Heritage Square is located in the heart of downtown Hanover. The Square provides a number of space options (Music Garden, Amphitheatre, Plaza area) for special events, concerts or simply for leisurely pleasure.

The Hanover Heritage Square is also the home to the Labyrinth of Distinction. The Labyrinth recognizes persons of Hanover heritage having earned distinction bestowing pride and honour on the Hanover Community. An engraved paver stone is positioned in the plaza area of the Heritage Square Labyrinth in honour of the inductee nominated and approved by the Hanover Council.



Overhead arches along the main pathway



Sunken Garden

















Plaza square seating

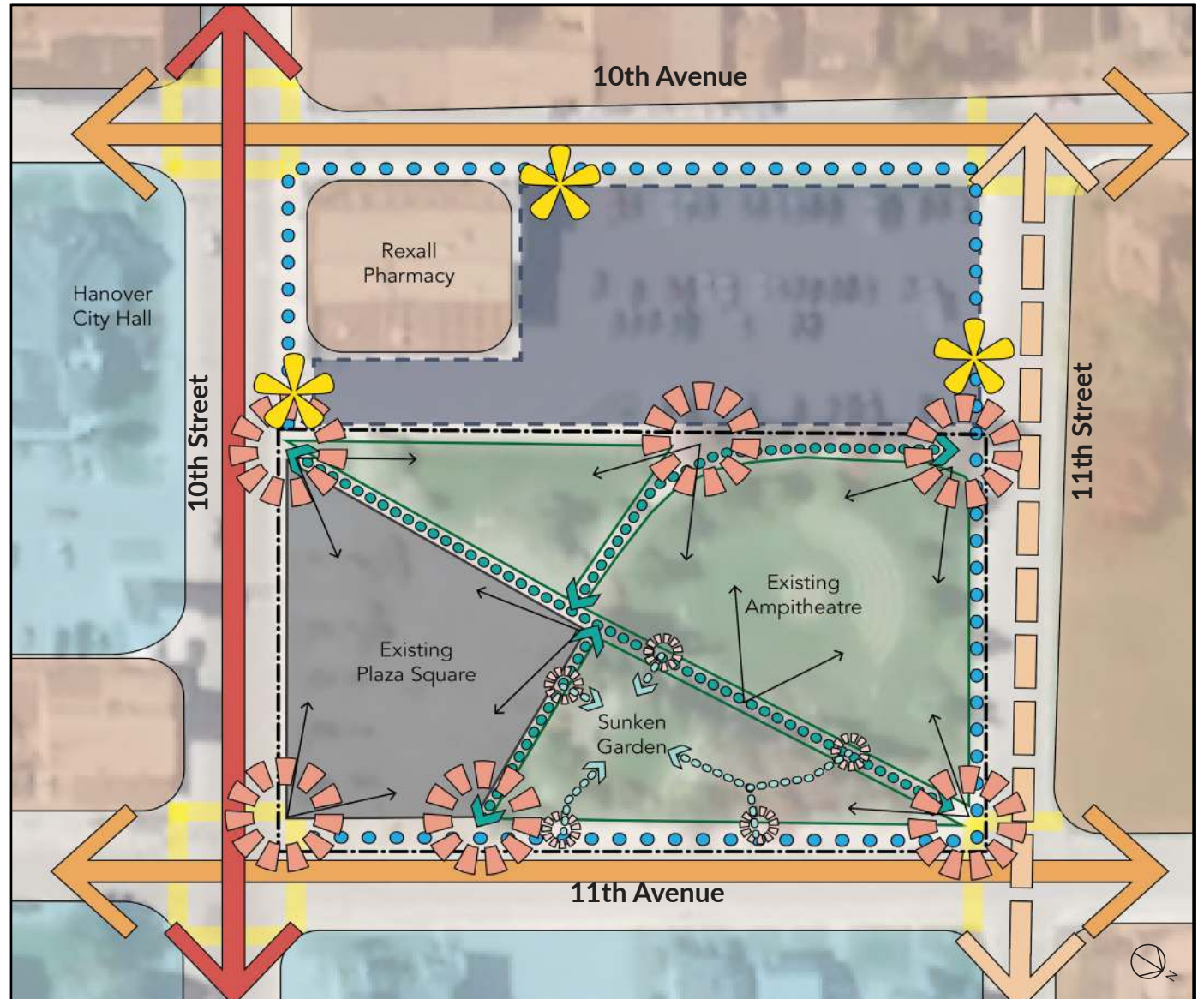


Labyrinth of Distinction

HERITAGE SQUARE

EXISTING CONDITIONS

-  Commercial Area
-  Civic Area
-  Green Space
-  Pavement/ Plaza
-  Parking Lot
-  Sidewalks
-  Main Pedestrian Circulation
-  Secondary Pedestrian Circulation
-  Heavy Vehicular Circulation
-  Moderate Vehicular Circulation
-  Light Vehicular Circulation
-  Crosswalks
-  Site Access
-  Parking Lot Entrances





Girl Guides of Canada Sign at Heritage Square

ANALYSIS

+ Opportunities

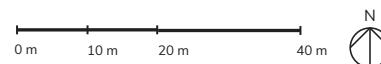
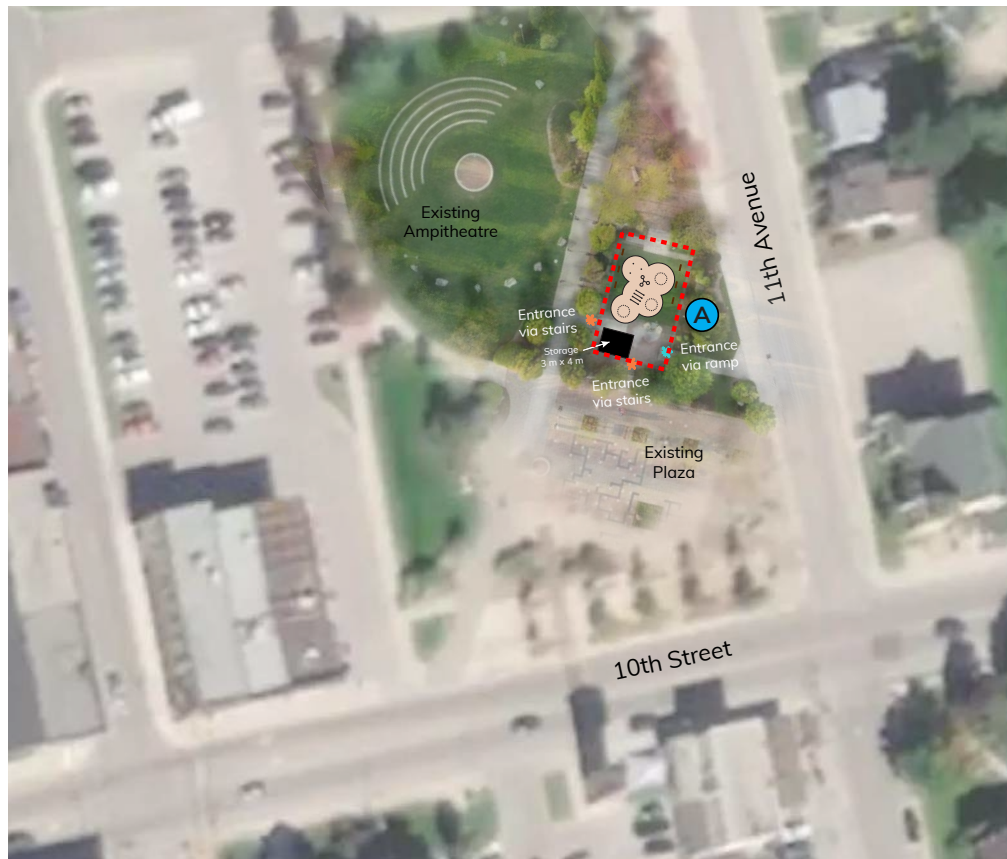
- Existing public parking on site
- Open views
- Downtown civic plaza with park space available for new programming opportunity
- Adjacent to downtown amenities (shopping, restaurants, services)
- Opportunity to integrate heritage and cultural assets with a recreational activity.
- Existing infrastructure on-site
- Opportunity to accommodate a small-sized splash pad
- Space limitations (from 120 - 144 sq.m) make Hanover Square an ideal site for a younger user group.

! Challenges

- Active during scheduled events
- Associated social issues re homeless group.
- Busy downtown traffic and noise
- New structure required for mechanical systems and washrooms
- Site suitability questionable (civic vs. recreational space)
- Available space (from 120-144 sq.m) limits multiple zones to accommodate different age groups.
- Limited to no alternative recreational opportunities
- Limiting inclusion of multiple age group zones

POTENTIAL SPLASH PAD FACILITY LOCATIONS

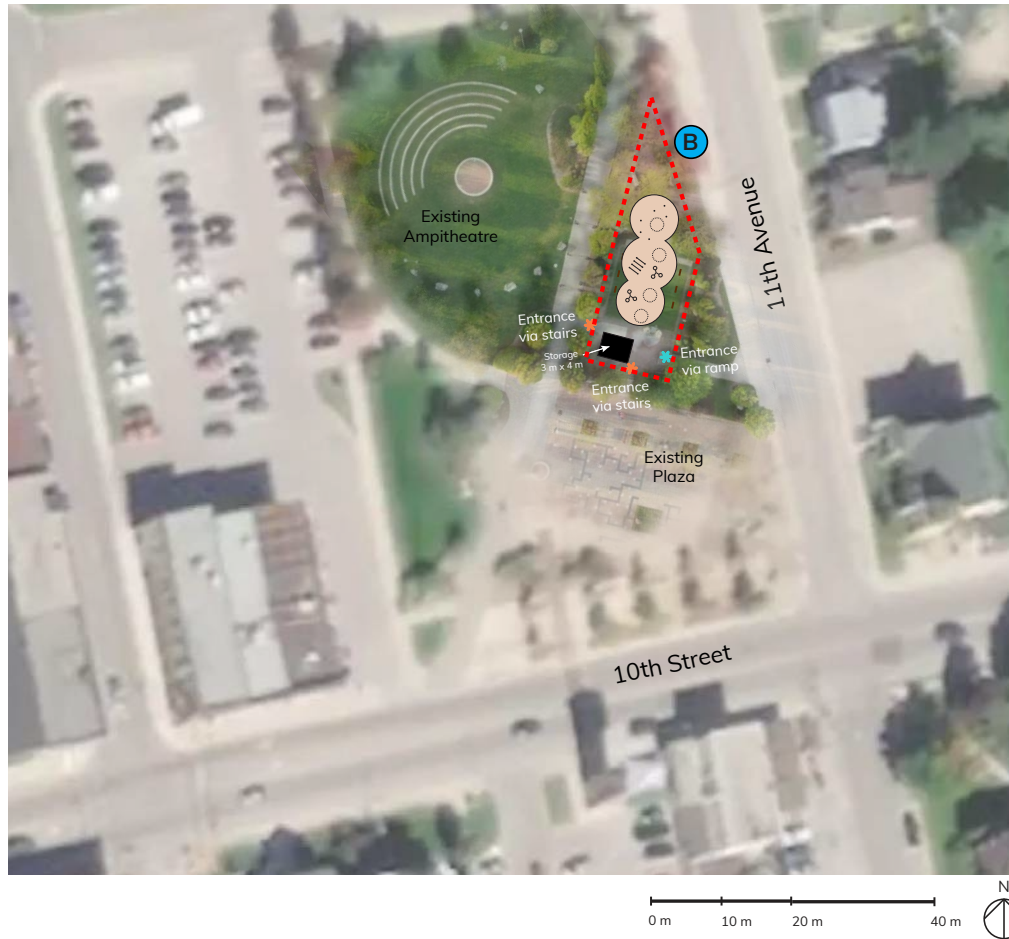
Based on the existing conditions of the site and the analysis conducted, the following locations would be suitable areas to implement a splash pad at Heritage Square.



Location A - Sunken Garden

..... Potential splash pad location boundary

| | |
|---------------|--|
| Approx. Area | Approx. 120 sq. m |
| # of features | 3-5 above ground features and 3-5 ground sprays |
| User Group | Smaller size suitable for a single user group. ie. Toddler, 3-5 yrs, etc. |
| Other | Barrier/ containment fence along 11th Avenue |
| Displacement | Meditation Garden, Existing Fountain |
| Opportunities | <ul style="list-style-type: none"> • Space is currently underutilized • Quieter part of the site • Splash pad would 'animate' the site • Available parking • Serves neighbourhood community • Small scaled splash pad |
| Challenges | <ul style="list-style-type: none"> • Might become busy and congested • Civic space - less recreational in character • No on-site washroom - would benefit other current programming in park • Requires space for mechanical operations (shed/ vault) |
| Est. Budget | \$120,000-\$150,000 (depending on desired size of splash pad) (add \$100,000 for re-circ. system if desired - but not required) |



Location B - Sunken Garden + Bosque upper planted area

..... Potential splash pad location boundary

| | |
|---------------|--|
| Approx. Area | Approx. 144 sq. m |
| # of features | 4-6 above ground features and 4-6 ground sprays |
| User Group | Smaller size suitable for a single user group. ie. Toddler, 3-5 yrs, etc. |
| Other | Barrier/ containment fence along 11th Avenue |
| Displacement | Meditation Garden, Existing Fountain |
| Opportunities | <ul style="list-style-type: none"> • Space is currently underutilized • Quieter part of the site • Splash pad would 'animate' the site • Available parking • Serves neighbourhood community • Small scaled splash pad |
| Challenges | <ul style="list-style-type: none"> • Might become busy and congested • Civic space - less recreational in character • No on-site washroom - would benefit other current programming in park • Requires space for mechanical operations (shed/ vault) |
| Est. Budget | \$120,000-\$150,000 (depending on desired size of splash pad) (add \$100,000 for re-circ. system if desired - but not required) |

LOCATION #2

HANOVER PARK

Address: 780 7th Avenue

Size: 13.4 Acres (54228 sq. m)

This park is based on the Saugeen River and has a canoe launch. It has public washrooms, a picnic shelter, playground equipment and a skateboard park. The Town Park also connects to the community trails system (an 11 km system along the Saugeen River).

There is a Saugeen River canoe access point (#3) in Hanover Park. This is the Official Beginning of the Saugeen River canoe route as per the Saugeen Valley Conservation Authority (SVCA).



View from River access point looking towards the pavilion



Saugeen River Access and Boat Launch

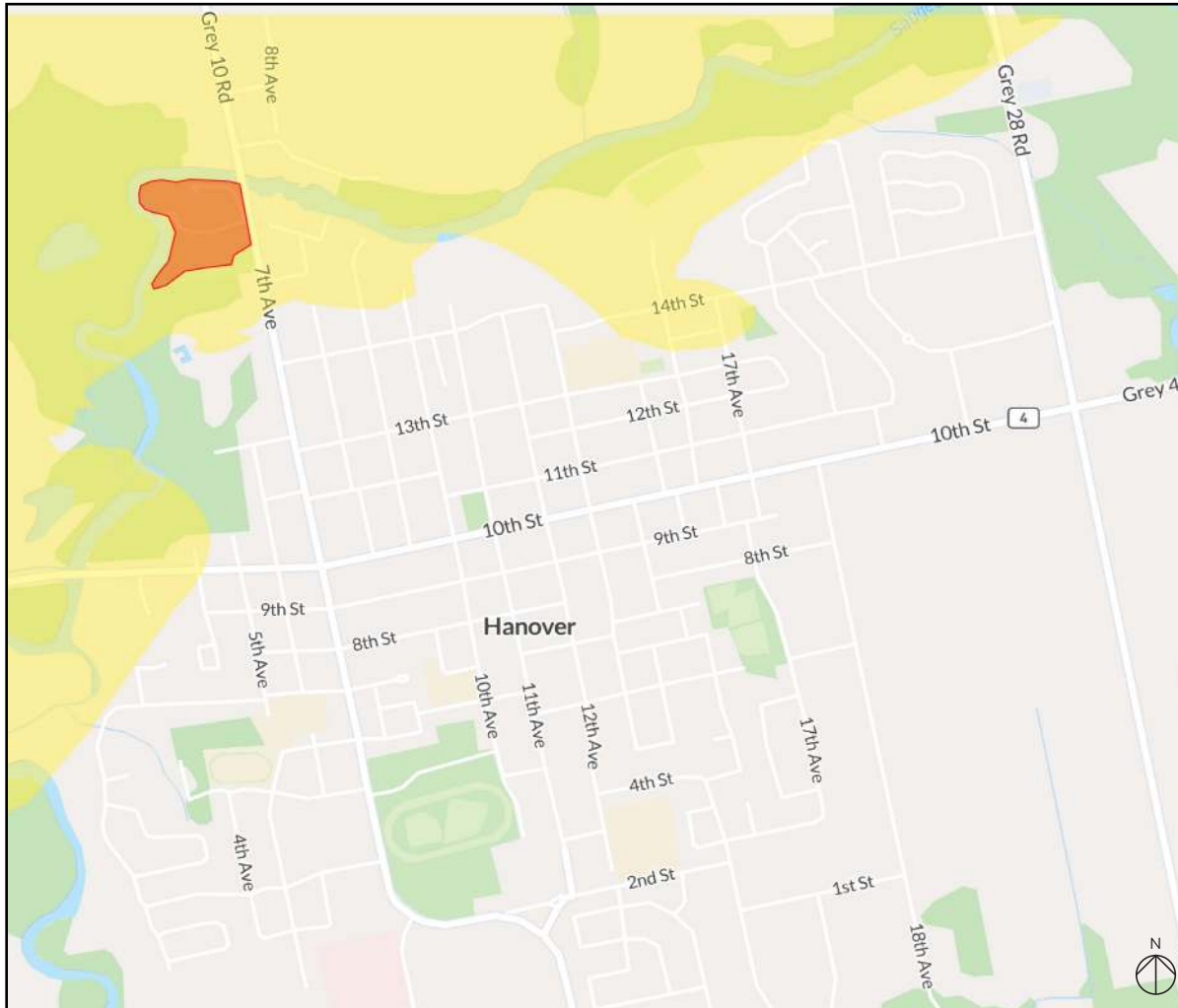


Existing Skate Park



Existing Playground

HANOVER PARK EXISTING CONDITIONS





Aerial of Hanover, Ontario

Hanover Park is within SVCA's Regulated Area (Specifically a 'One-Zone' floodplain).

The Saugeen Valley Conservation Authority identifies development in a 'One-Zone' floodplain associated with public parks (e.g. passive or low intensity outdoor recreation and education, trail systems) as permissible if it has been demonstrated to the satisfaction of the SVCA that the control of flooding, erosion, pollution or the conservation of land will not be negatively affected. (4.7.1.2 of the Environmental Planning and Regulation Policies Manual, 2018)














If located on higher ground in an area with existing park infrastructure (such as the youth centre, pavilion, washrooms, existing utilities) accommodations for a new splash pad development are both minimal and achievable if part of the overall development process.

Further detailing and design would be required as part of the application for permit process (including nominal application fees).

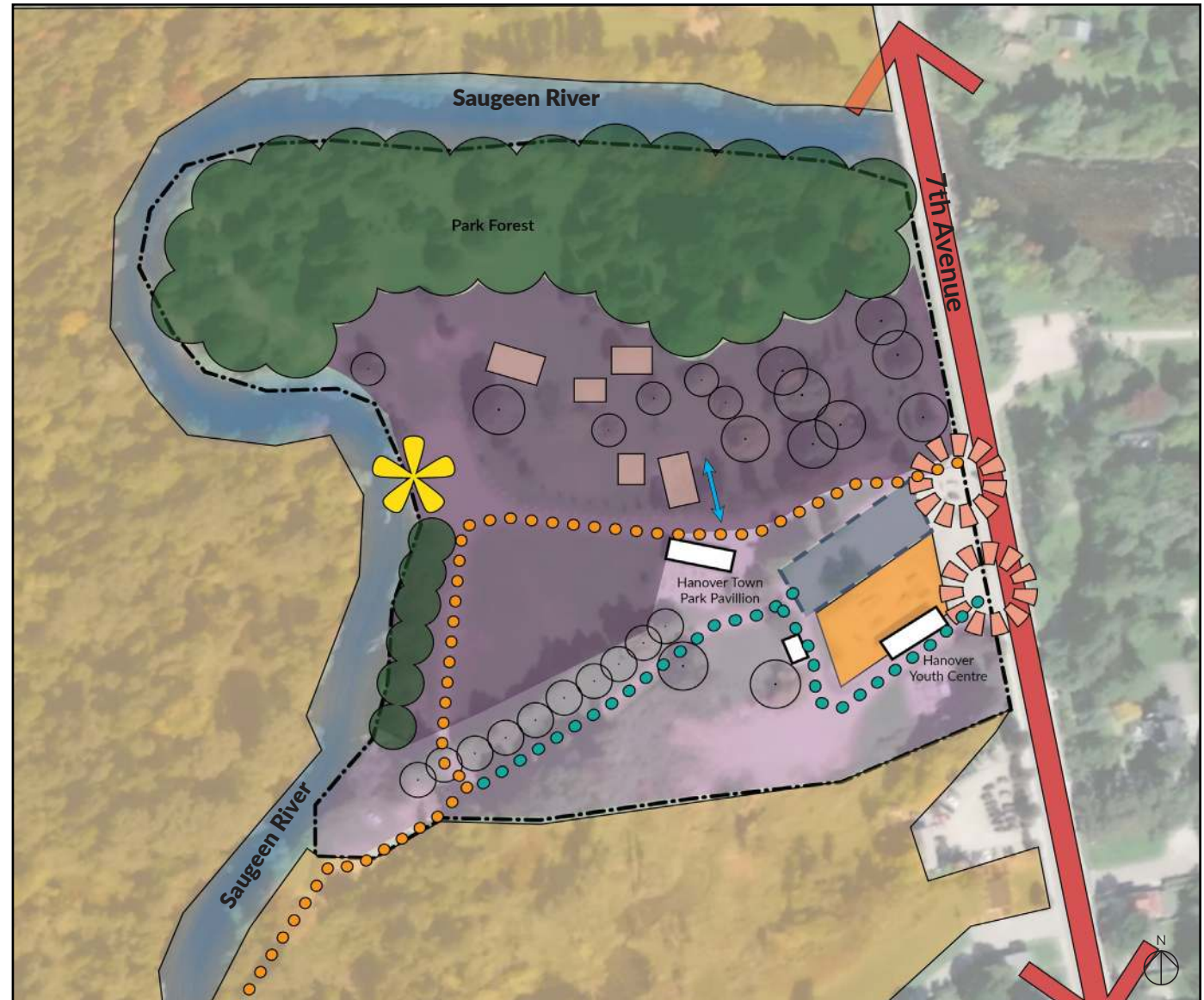
-  Hanover Park
-  SVCA Approximate Regulated Floodplain Area

HANOVER PARK

EXISTING CONDITIONS

-  Natural Area
-  Low Topography
-  High Topography
-  Existing Skate Park
-  Parking Lot
-  Playground Areas
-  Hanover Community Trail
-  Stair access to lower area of site
-  Pedestrian Circulation
-  Heavy Vehicular Circulation
-  Site Access
-  Saugeen River Access
-  Existing Trees

* Site exists within the SVCA Regulated Floodplain Area





View from parking lot towards the pavilion

ANALYSIS

Opportunities

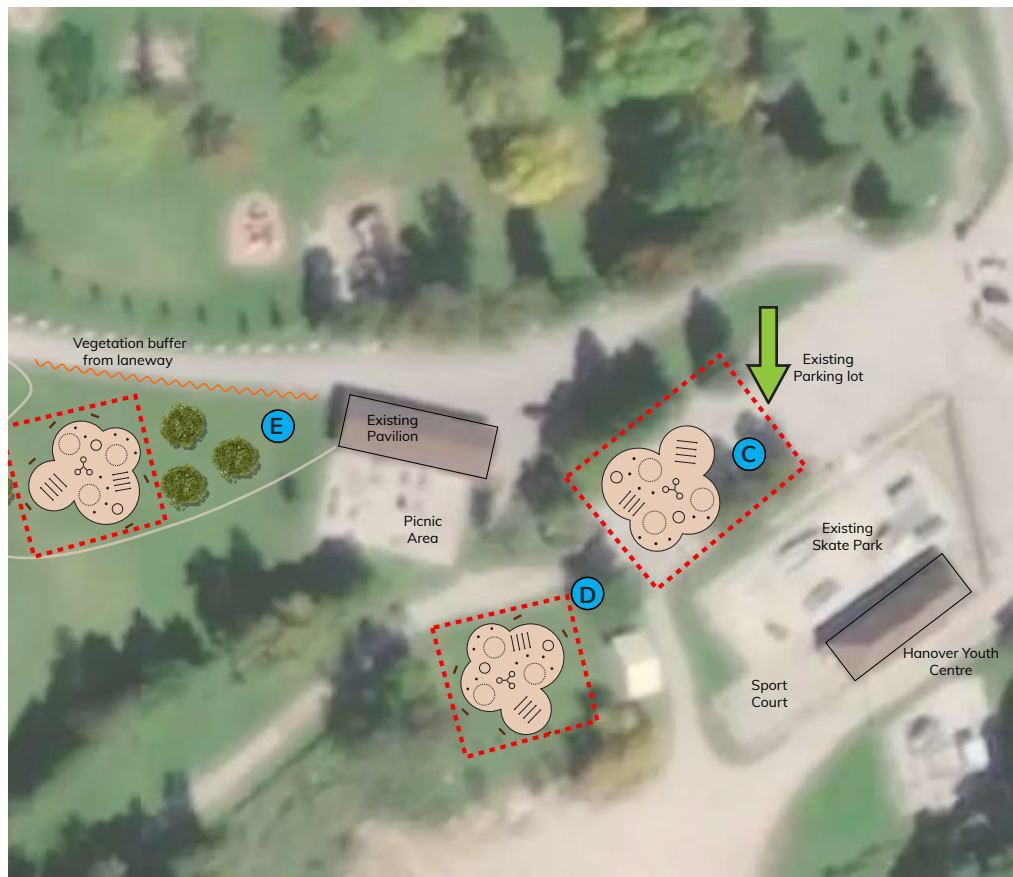
- Ample open space for additional recreational programming
- Well used by the local community
- Existing complimentary recreational activities (playgrounds, skatepark) and facilities (parking, washrooms, utilities, shade structures etc) on site
- Adjacent structures (washrooms)
- Splash pad would complement an already thriving park
- Opportunity to accommodate a variety of splash pad sizes and age zones.

Challenges

- Located within the SVCA regulated floodplain and subject to approval post detailed site plan review, permit and fees
- Grade change challenges accessibility
- Site subject to seasonal flooding and poor drainage in the lower area of the park.
- May incur relocation of existing park features
- Incremental park development and existing facilities may challenge integration of new facilities
- Park is bisected by lane way causing safety issues

POTENTIAL SPLASH PAD FACILITY LOCATIONS

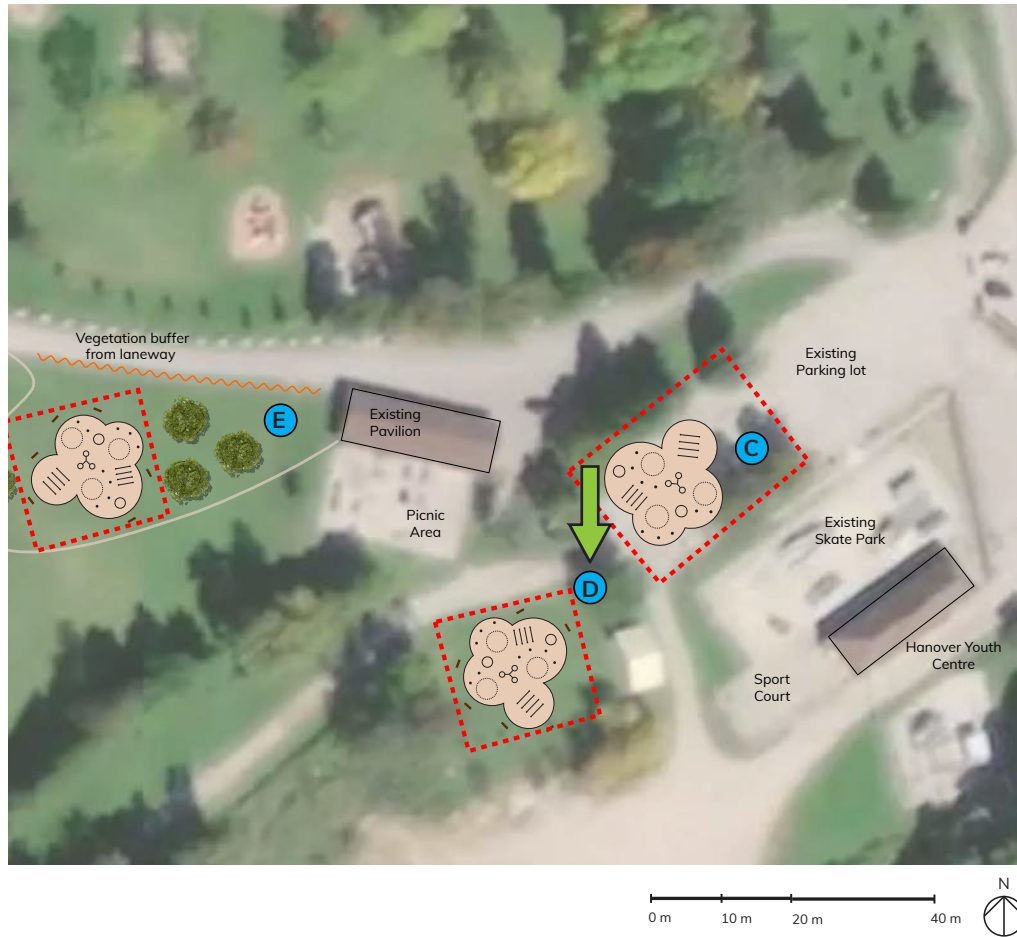
Based on the existing conditions of the site and the analysis conducted, the following locations would be suitable areas to implement a splash pad at Hanover Park.



Location C - Adjacent to the Existing Skate Park

..... Potential splash pad location boundary

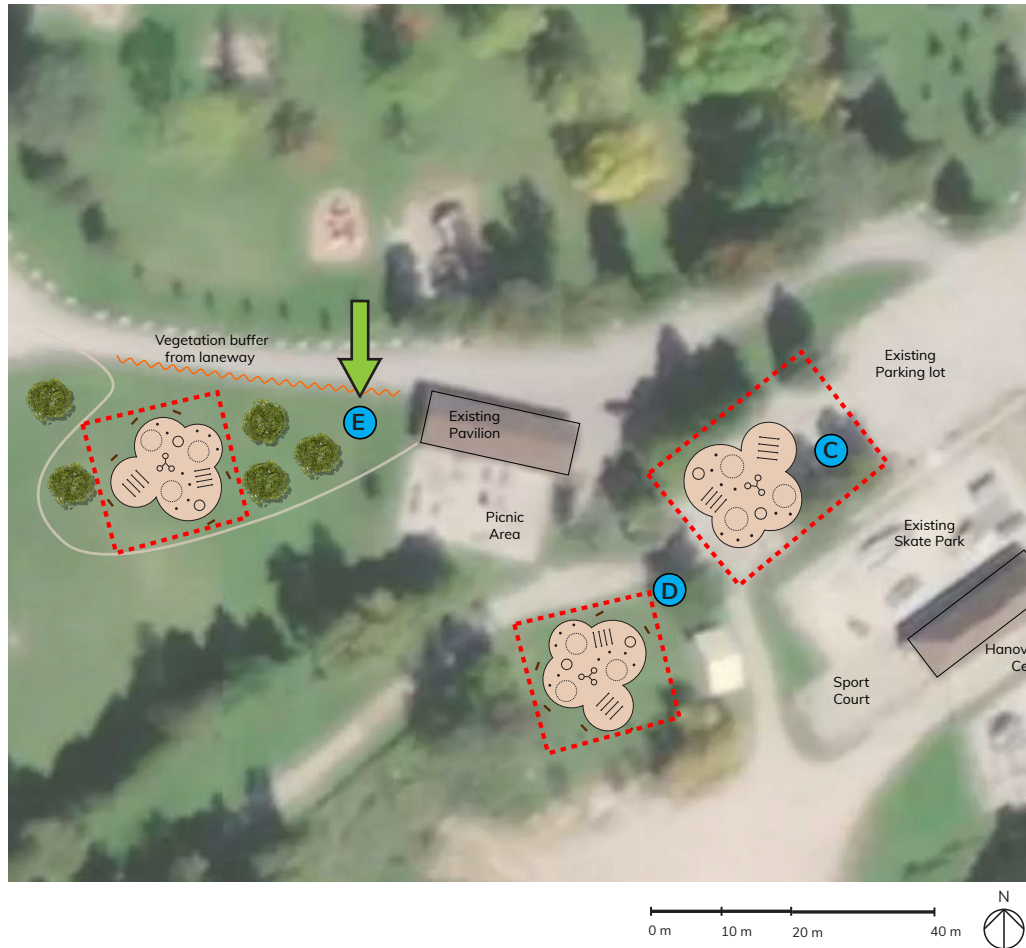
| | |
|---------------|--|
| Approx. Area | up to 500 sq. m |
| # of features | 10-12 above ground features and 10-12 ground sprays |
| User Group | Size suits a variety of age groups |
| Displacement | Portion of upper parking lot |
| Opportunities | <ul style="list-style-type: none"> The existing campground washrooms could house mechanical equipment for splash pad; and has washrooms Adjacent to the main parking lot Has good site lines to the existing playgrounds on site Anticipated less restriction regarding the SVCA restricted area policies (approvals) - existing utilities |
| Challenges | <ul style="list-style-type: none"> Within possible COE Site Removed from other playgrounds on site - separated by entrance drive Seasonal flooding concerns - Hanover Town Park is within the SVCA Regulated Floodplain Area Displaces portion of main parking lot |
| Est. Budget | \$200,000 - \$350,000 plus servicing (depending on desired size of splash pad) SVCA fees - budget approx \$1000 |



Location D - West of the Hanover Youth Centre

..... Potential splash pad location boundary

| | |
|----------------------|---|
| Approx. Area | up to 500 sq. m |
| # of features | 10-12 above ground features and 10-12 ground sprays |
| User Group | Size suites a variety of age groups |
| Displacement | None |
| Opportunities | <ul style="list-style-type: none"> Existing campground washrooms require renovation; could house operations cabinet Within possible COE Site Higher area of the existing floodplain Generous space for a large splash pad |
| Challenges | <ul style="list-style-type: none"> Seasonal Flooding - less than 'E' Removed from other playgrounds on site - separated by entrance drive some grading may be required re slopes |
| Est. Budget | \$120,000 - \$360,000 plus servicing (depending on desired size of splash pad) SVCA fees - budget approx \$1000 |



Location E - Lower Area (west of the existing pavilion)

..... Potential splash pad location boundary

| | |
|----------------------|--|
| Approx. Area | up to 500 sq. m |
| # of features | 10-12 above ground features and 10-12 ground sprays |
| User Group | Size suites a variety of age groups |
| Displacement | None |
| Opportunities | <ul style="list-style-type: none"> • Adjacent to the existing pavilion (serviced, washrooms, storage space and picnic space) possible mechanical room addition • Within possible COE Site • Reasonable proximity to existing playground(s) • Generous space for a large splash pad |
| Challenges | <ul style="list-style-type: none"> • Seasonal Flooding - inevitable • Less attractive for SVCA than site 'C' - but existing utilities in Pavillion favourable for servicing splash pad |
| Est. Budget | \$120,000 - \$430,000 plus servicing (depending on desired size of splash pad) SVCA fees - budget approx \$1000 |

LOCATION #3

KINSMEN BALL PARK

Address: 310 17th Avenue

Size: 9.7 Acres (39255 sq. m)

The Kinsmen Ball Park is located at the south end of Hanover on 17th Avenue. The fairly large park is located in a residential neighbourhood and is surrounded by houses. The park has two parking lots as well as two lighted ball diamonds, one youth ball diamond, washrooms, a playground and a picnic pavilion.



Parkinglot looking towards Baseball Diamond



Baseball diamond bleachers















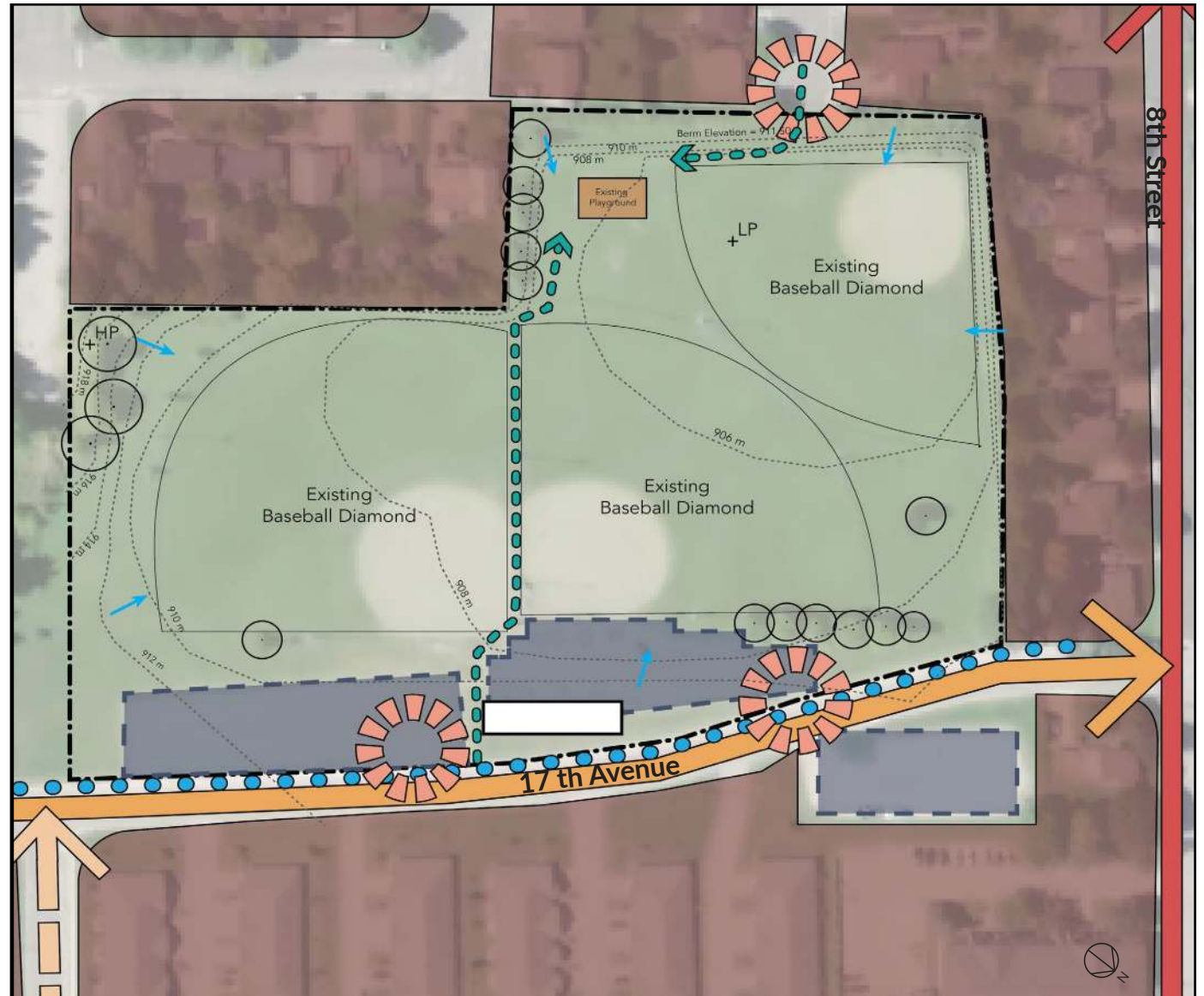
Parking lot entrance from 17th Avenue



Existing Pavilion

KINSMEN BALL PARK
EXISTING CONDITIONS

-  Residential Area
 -  Green Space
 -  Parking Lot
 -  Sidewalks
 -  Pedestrian Circulation
 -  Heavy Vehicular Circulation
 -  Moderate Vehicular Circulation
 -  Light Vehicular Circulation
 -  Drainage direction
 -  Existing Contours
 -  Transition Nodes
 -  Existing Trees
 - HP High Point
 - LP Low Point
- Contours drawn at 2m intervals*





Baseball Diamond Bleachers

ANALYSIS

Opportunities

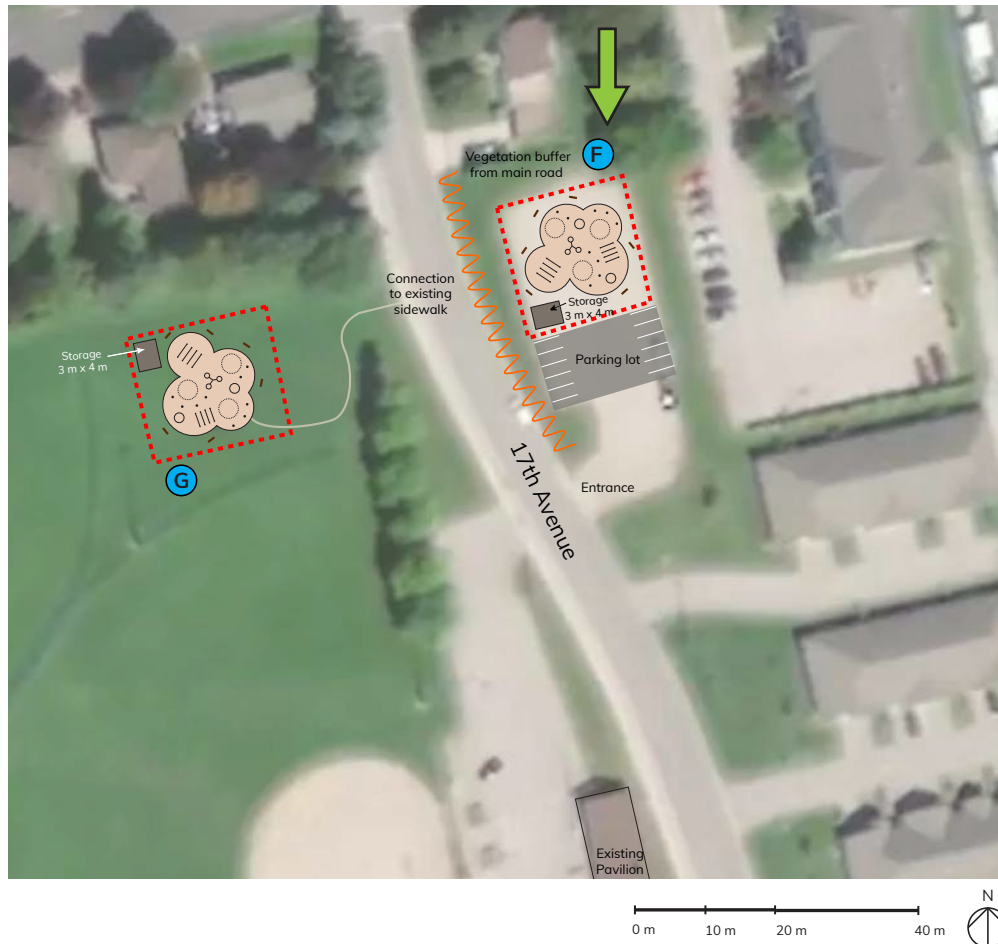
- Residential neighbourhood
- Existing recreational park with complimentary activities and facilities (playground, washrooms, pavilion)
- Community ties
- Two parking lots and overflow lot across the street
- Accessible to community
- Opportunity to accommodate a variety of splash pad sizes (potential areas range from 220 sq. m to 800 sq. ms)

Challenges

- Active sports park
- Limited non-programmed space available
- Safety – street traffic and active baseball games
- Noise from splash pad combined with baseball games could become a nuisance for neighbours
- Existing storm water management

POTENTIAL SPLASH PAD FACILITY LOCATIONS

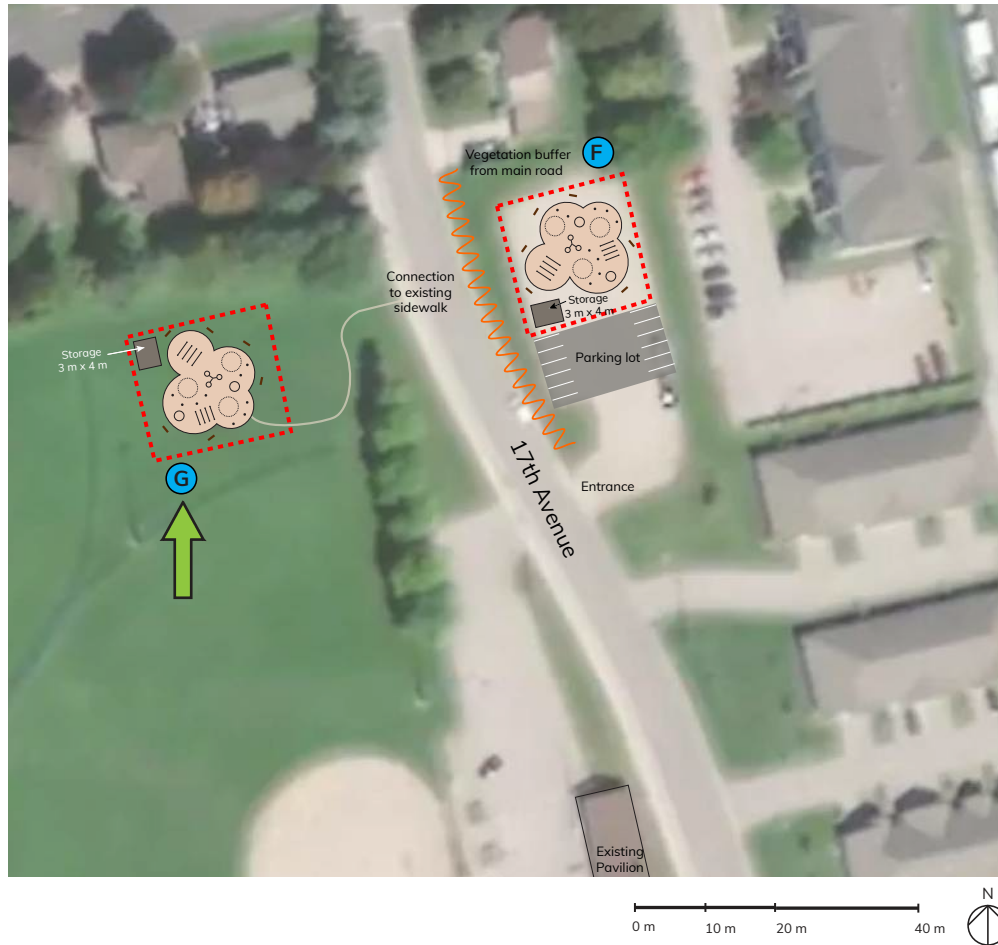
Based on the existing conditions of the site and the analysis conducted, the following locations would be suitable areas to implement a splash pad at Kinsmen Ball Park



Location F - Overflow Parking Lot

..... Potential splash pad location boundary

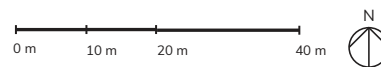
| | |
|----------------------|---|
| Approx. Area | up to 400 sq. m |
| # of features | 9-11 above ground features and 10-12 ground sprays |
| User Group | Size suits a variety of age groups |
| Displacement | Portion of the overflow parking lot |
| Opportunities | <ul style="list-style-type: none"> • Generous space to accept a large splash pad • Separation from the ball diamonds |
| Challenges | <ul style="list-style-type: none"> • Located across the street with no crosswalks on site • Displaces some parking • Distant from existing playground and existing washrooms • Close to 17th Avenue - safety fence / buffering needed |
| Est. Budget | \$120,000 - \$360,000 plus servicing (depending on desired size of splash pad) |



Location G - Near Main Parking Lot

..... Potential splash pad location boundary

| | |
|---------------|---|
| Approx. Area | up to 400 sq. m |
| # of features | 9-11 above ground features and 10-12 ground sprays |
| User Group | Size suits a variety of age groups |
| Displacement | One tree (in decline) |
| Opportunities | Large enough area for a generous-sized splash pad as well as a mechanical building/vault for equipment |
| Challenges | <ul style="list-style-type: none"> • Shared parking • Close to ball diamonds; • far from washrooms (pass through parking) • At the edge of backyards (noise nuisance) • Tree and vegetation removal may be required • Location is on existing stormwater system |
| Est. Budget | \$120,000 - \$360,000 plus servicing (depending on desired size of splash pad) |



Location H - Near Existing Playground

..... Potential splash pad location boundary

| | |
|----------------------|--|
| Approx. Area | up to 320sq. m |
| # of features | 7-8 above ground features and 8-10 ground sprays |
| User Group | Size suitable for various groups |
| Displacement | None |
| Opportunities | <ul style="list-style-type: none"> • Located next to playground giving children activity variety • Location is close to the residential access beyond the existing berm |
| Challenges | <ul style="list-style-type: none"> • Distant to site parking and washroom facilities • Adjacent to active sports facilities • For some, proximity to playground can be a child surveillance challenge (temptation) • Location is on existing stormwater system |
| Est. Budget | \$120,000 - \$360,000 plus servicing (depending on desired size of splash pad) |

PROPOSED SPLASH PAD LOCATIONS COMPARISON

The chart below is a comparison of all of the proposed splash pad locations for each of the parks that were included in the study.

| Park | Heritage Square | | Hanover Park | | | Kinsmen Ball Park | | |
|--|-----------------|-------------------------------|-------------------------------------|----------------------------------|--|----------------------|---------------------------|--------------------------|
| Location Options | A | B | C | D | E | F | G | H |
| | Sunken Garden | Sunken Garden and Bosque Area | Adjacent to the Existing Skate Park | West of the Hanover Youth Centre | Lower area (west of the existing pavilion) | Overflow Parking lot | Near the Main Parking lot | Near Existing Playground |
| Available Area | up to 120 sq.m | Up to 144 sq. m | Up to 500 sq. m | Up to 500 sq. m | Up to 500 sq. m | Up to 400 sq. m | Up to 400 sq. m | Up to 320 sq. m |
| Best Choice based on the following: | | | | | | | | |
| Budget: | | | | | | | | |
| <i>Associated proposed amenities, fees etc. include items such as washrooms, shade, furnishings, planting, possible displacement costs, safety fencing, professional fees etc.</i> | | | | | | | | |
| <i>The following are using the assumption of a \$150,000 splash pad to maintain consistency between comparisons.</i> | | | | | | | | |
| Splash Pad and associated proposed amenities, fees etc. \$240,00 - \$299,000 | | | | | ✓ | ✓ | ✓ | ✓ |
| Splash Pad and associated proposed amenities, fees, etc: \$300,000 - \$419,000 | | | ✓ | ✓ | | | | |
| Splash Pad and associated proposed amenities, fees etc.: \$420,000+ | ✓ | ✓ | | | | | | |
| Location: | | | | | | | | |
| Neighbourhood park, walkable | ✓ | ✓ | | | | ✓ | ✓ | ✓ |
| Area' attraction | | | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Enliven existing park space/amenity | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| Adjacent to parking with limited safety concerns | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Adjacent Washroom (existing) suitable for splash pad use (may require retrofit) | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Please Refer to Appendix C for the detailed Splash Pad Location and Budget Comparison

SPLASH PAD LOCATION AND CAPITAL BUDGET COMPARISON

| Park | Heritage Square | | Hanover Park | | | Kinsmen Ball Park | | |
|---|----------------------------------|--------------------------------|-------------------------------------|----------------------------------|--|------------------------------|------------------------------|------------------------------|
| Location Options | A | B | C | D | E | F | G | H |
| | Sunken Garden | Sunken Garden and Bosque Area | Adjacent to the Existing Skate Park | West of the Hanover Youth Centre | Lower area (west of the existing pavilion) | Overflow Parking lot | Near the Main Parking lot | Near Existing Playground |
| Public Opinion (Survey) | | | | | | | | |
| Rating - 'Yes, Frequently' (residents with kids) | 45% | | 78% | | | 54% | | |
| likely because: Walkability | 72% | | 34% | | | 45% | | |
| Likely because: Additional activities (recreational, amenities) | 30% | | 88% | | | 65% | | |
| Rating: 'Not Likely' | 38% | | 6% | | | 17% | | |
| not likely because | civic park 72%; busy parking 65% | | too far 47% | | | too far 50% | | |
| Site Capacity | | | | | | | | |
| Available Area | Up to 120 sq. m | Up to 144 sq. m | Up to 275 sq. m | Up to 500 sq. m | Up to 600 sq. m | Up to 400 sq. m | Up to 400 sq. m | Up to 320 sq. m |
| Splash Pad Size | Small | Small+ | Small - V. Large | Small - Large | Small - V. Large | Small - Large | Small - Large | Small - Medium |
| Splash Pad Budget | \$120,000-\$150,000 | \$120,000-\$150,000 | \$120,000 - \$350,000 | \$120,000-\$360,000 | \$120,000-\$430,000 | \$120,000-\$360,000 | \$120,000-\$360,000 | \$120,000-\$360,000 |
| Displacement | | | | | | | | |
| features to be removed/relocated | sunken garden | sunken garden | | | | overflow parking | storm water lines | storm water lines |
| Required Programming/ Amenities for Splash pad location | | | | | | | | |
| Washroom/ Changeroom | \$75,000-\$300,000 + servicing | \$75,000-\$300,000 + servicing | upgrade camp WC \$50,000 | upgrade camp WC \$50,000 | existing WC - pavilion | existing WC - pavilion | existing WC - pavilion | existing WC - pavilion |
| Mechanical room/ outdoor | in washroom | in washroom | modify camp WC | modify camp WC | above grade cabinet \$10,000 | above grade cabinet \$10,000 | above grade cabinet \$10,000 | above grade cabinet \$10,000 |
| Containment Fence (4' steel picket) | \$19,200.00 | \$36,800.00 | \$36,000.00 | \$36,000.00 | | \$7,200 | | |
| Baseball Netting (20ft high) | | | | | | | \$48,000 | existing netting? |
| Landscaping: trees, shelter, furnishings | \$10,000-\$50,000 | \$10,000-\$50,000 | \$10,000-\$50,000 | \$10,000-\$50,000 | \$10,000-\$50,000 | \$10,000-\$50,000 | \$10,000-\$50,000 | \$10,000-\$50,000 |

| Park | Heritage Square | | Hanover Park | | | Kinsmen Ball Park | | |
|--|----------------------------------|----------------------------------|-------------------------------------|----------------------------------|--|--|---------------------------|---------------------------|
| Location Options | A | B | C | D | E | F | G | H |
| | Sunken Garden | Sunken Garden and Bosque Area | Adjacent to the Existing Skate Park | West of the Hanover Youth Centre | Lower area (west of the existing pavilion) | Overflow Parking lot | Near the Main Parking lot | Near Existing Playground |
| Other | | | | | | | | |
| Site Grading | fill: approx. \$11,310 | fill: approx. \$11,310 | | | | | adjust stormwater - \$tbd | adjust stormwater - \$tbd |
| Permitting - SVCA | | | \$1,000.00 | \$1,000.00 | \$1,000.00 | | | |
| Site servicing - hydro, sanitary, water | \$tbd | \$tbd | \$tbd | \$tbd | \$tbd | \$tbd | \$tbd | \$tbd |
| Tree Removal | \$9,600 (approx. 12 trees) | \$18,400 (approx. 23 trees) | | | | | \$1,000.00 | |
| Professional Fees | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 |
| Prime Considerations | | | | | | | | |
| | Urban Character - compatability? | Urban Character - compatability? | | | spring flooding | location - across street from park; loss of overflow parking | stormwater drains | stormwater drains |
| | small splash pad | small splash pad | | | SVCA challenge | across street from park | poor access to WC | poor access to WC |
| | | | | | | poor access to WC | | |
| Budget Considerations | | | | | | | | |
| Potential additional costs: Amenities, professional fees etc.; displacements | \$120,110.00 | \$146,510.00 | \$125,000.00 | \$117,000.00 | \$91,000.00 | \$97,200.00 | \$139,000.00 | \$90,000.00 |
| Washroom | \$150,000.00 | \$150,000.00 | \$50,000 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 |
| Placeholder cost for Splash Pad - maintain consistency re comparison | \$150,000.00 | \$150,000.00 | \$150,000.00 | \$150,000.00 | \$150,000.00 | \$150,000.00 | \$150,000.00 | \$150,000.00 |
| Approx all in.... | \$420,110.00 | \$446,510.00 | \$325,000.00 | \$317,000.00 | \$291,000.00 | \$297,200.00 | \$349,000.00 | \$290,000.00 |



View of Existing Playgrounds at Hanover Park

CONCLUSION

ASSESSMENT

The Town of Hanover provided three possible park locations for consideration to locate a new community splash pad. While all the park locations have the physical capacity to incorporate a splash pad, and have their own unique characteristics, each present an array of opportunities and challenges. This feasibility study has outlined associated issues, concerns, opportunities, and public preference to guide and inform the Council in their search for the best location for Hanover's new Community Splash Pad.

The following are primary considerations in regard to selecting a final site for the new Community Splash Pad, with notable influences why the new splash pad would be suitable at each location.

HERITAGE SQUARE

- As a prominent downtown civic park, Heritage Square provides a unique opportunity to expand its amenity base. With the recent amphitheatre enhancements (a new performance pavilion 2023) an additional recreational activity would round out the park's amenity base, and provide a new energy to the downtown core through the summer months.
- As a civic park, Heritage Square provides an opportunity to build upon existing thematics already established in the park that could result in a truly unique splash pad design that complements existing site features.
- Notwithstanding, the downtown core is currently lacking a public washroom, which will be required for a new splash pad. Should the Town consider a new public washroom at Heritage Square, it would compliment a new splash pad and provide a new facility to house the associated water management system.
- Heritage Square is situated in the downtown core of Hanover and is surrounded by residential neighbourhoods making it a highly 'walkable' destination. This consideration made Heritage Square a popular location in the community survey considering its walkability.
- With minimal unused park area, the splash pad at Hanover Square would be limited in size based on available land. Instead of being a challenge, this is an opportunity for the Town to provide a more intimate neighbourhood recreation amenity suitable for a younger age group.



Hanover Park Main Entrance

HANOVER PARK

- This typical riverside park is a popular recreational destination with many existing activities currently available. The park has multiple playgrounds, a skatepark, a basketball court, river access and canoe launch, trail connections, a picnic pavilion, washrooms, and parking. The addition of a splash pad would round out the recreational base, therefore adding to the multiple recreational opportunities while visiting the park. It was proximity to additional recreational activities that made Hanover Park the most popular location for the splash pad as per public opinion.
- The park has several sites available for consideration, with an opportunity for a larger splash pad that would appeal to multiple age groups.
- This new recreational activity would support the efforts to develop Hanover Park into a Centre of Excellence by showcasing an array of recreational activities in one park.
- With existing washroom and shelter amenities on site, Hanover Park provides supportive amenities required by splash pad users.
- A key challenge for developing a splash pad at this park is its location beside the Saugeen River. Subject to seasonal flooding, new facilities are subject to the permitting process governed by the Saugeen River Conservation Authority. With a few potential sites at the highest grades on site, preliminary discussions with a representative from the SVCA were favourable for a new splash pad development, provided that the Town was able to ensure that appropriate floodproof measures were included in the development. All proposals would require approval to proceed.

KINSMEN BALL PARK

- As with Heritage Square, Kinsmen Park is located within a residential neighbourhood providing a walkable amenity for local families and guests. The walkability factor was a key attribute noted by survey participants. Also supporting this location was the proximity to existing recreational activities, such as the playground and ball diamonds.
- Challenging this location are the relative walking distances to the existing washrooms, conflict with the parking lot and driveway (to get to the washroom), and subgrade drain tiles for the stormwater detention system on site, and appropriate buffer systems from baseball outfield activity. However, these challenges could be mitigated with creative design solutions should this site be selected by Council.



Saugeen River

RECOMMENDATION

With so many variables and considerations at play, it is impossible to propose a definitive 'best' location for a 'generic' splash pad. The intent of this report is to present the opportunities and constraints associated with each of the available locations and whether it is feasible to develop a splash pad facility in each location.

However, in effort to narrow down the options and provide a reasonable rationale for a decision, the consulting team have the following recommendations (exclusive of budget) for consideration.

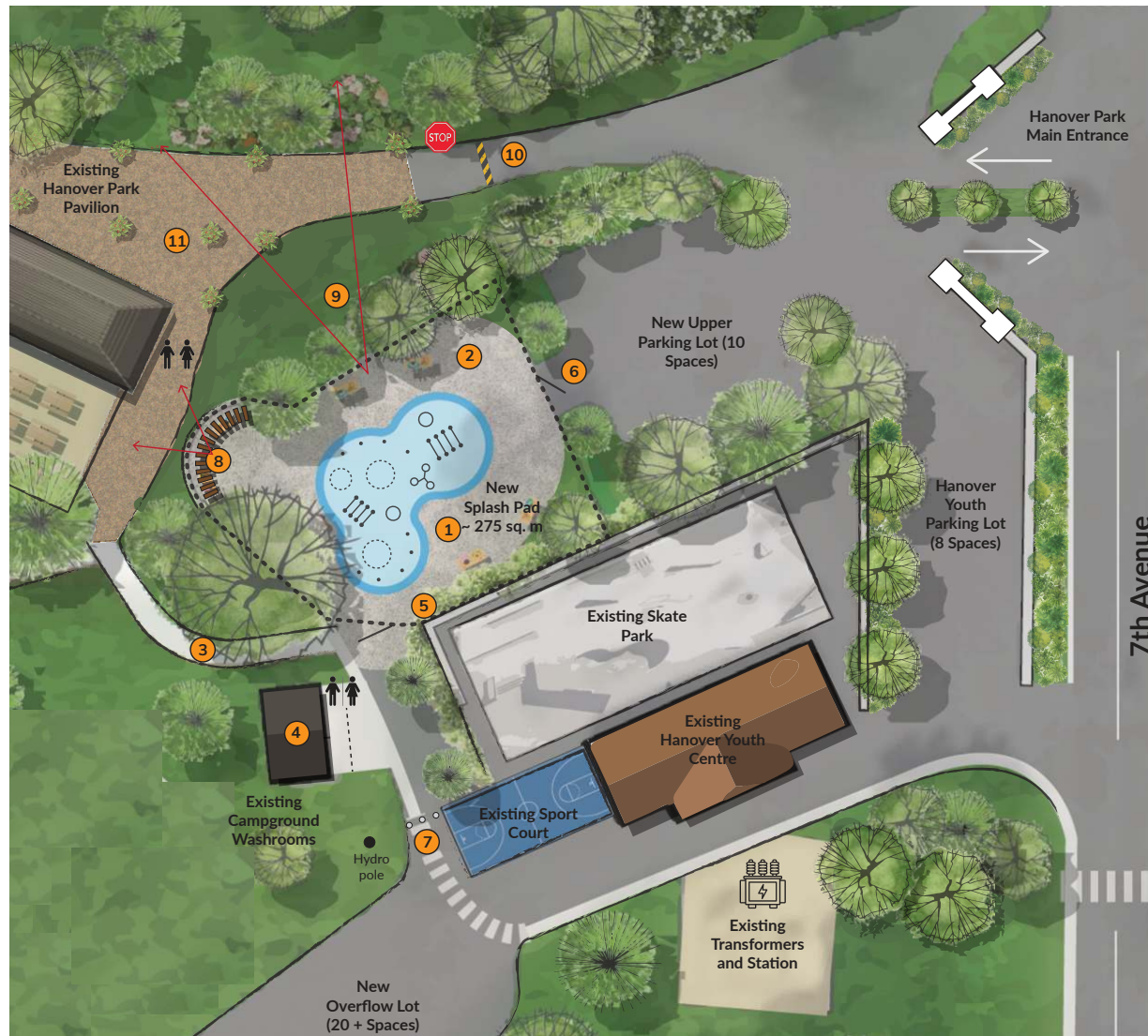
Should the Splash Pad selection committee wish to provide a smaller downtown neighbourhood splash pad suitable for a younger audience (primarily the toddler group) with provision of a new washroom, the Heritage Square site is recommended as a suitable site for a new Neighbourhood Splash Pad. A splash pad at Heritage Square would help to enliven the downtown core, provide an opportunity for a more unique attraction given the civic nature of the square, and provide an incentive for a much needed downtown public washroom.

If the Splash Pad Committee felt a larger splash pad suitable for multiple age groups that may have a broader neighbourhood draw, the Hanover Park location is recommended as the most appropriate site. A splash pad at Hanover Park would complement existing recreational infrastructure and provide alternative play options, while supporting future efforts to highlight Hanover Park as a Centre of Excellence for Hanover.

Given circulation and programming challenges, existing storm water system constraints, and heightened opportunities at the other possible locations, it is felt that Kinsmen Ball Park does not offer comparable opportunities for a successful splash pad development, and is therefore not recommended.

In terms of water management systems, all proposed park sites could support either the Flow Through or Re-circulation systems. Given management challenges, staff training, and the capital investment needed for the Re-circulation system, it is recommended that a Flow Through system be considered for the proposed splash pad. This system requires less staff training and general maintenance, no chemicals, and provides opportunity for possible grey water storage to support positive water use initiatives for the Town.

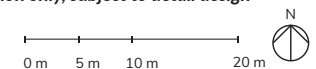
SPLASH PAD CONCEPT FOR HANOVER PARK

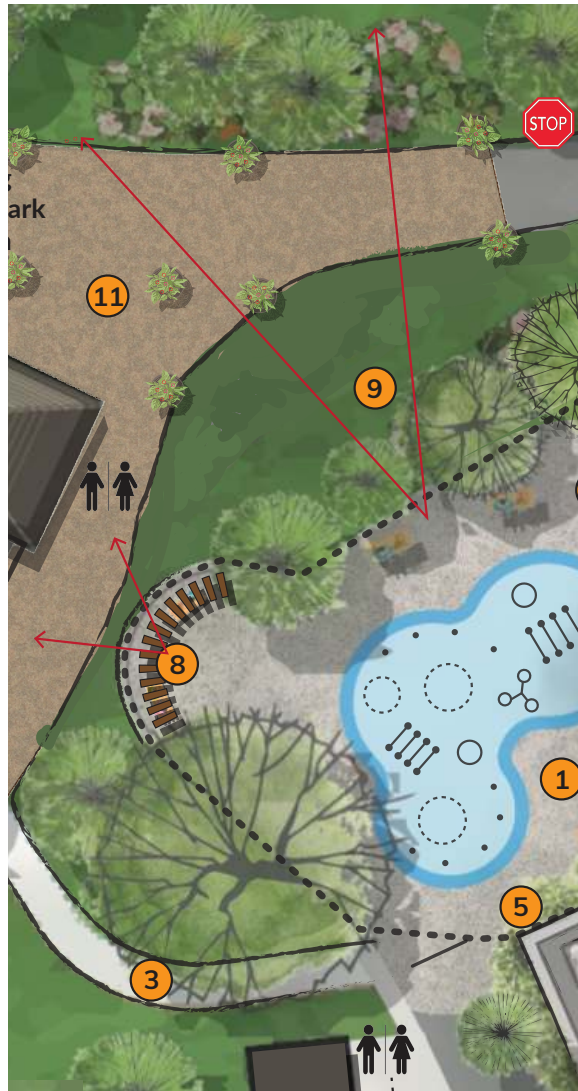


Legend

- 1 Splash Pad (approx 275sq.m)
- 2 Benches located in both sunnier and shadier areas
- 3 Ramped Section: ramp (6% slope max.) for access to pavillion and existing washrooms
- 4 Campground Washrooms (existing): future renovation regarding accessibility; to accommodate splash pad mechanical room.
- 5 Splash Pad Containment: proposed fencing/ retaining wall extension and landscape buffer to provide physical barrier with existing adjacent uses
- 6 Splash Pad Entry: include gate, decorative planting, signage, bike racks etc.
- 7 Secondary Entrance: access control (bollards)
- 8 Lookout Belvedere: maintain site lines towards pavillion, washrooms and proposed playground area, etc.
- 9 Viewshed: maintain views towards existing playground area
- 10 Access/ Vehicular Calming: seasonal speed bump with speed control / pedestrian warning sign.
- 11 Pavillion Forecourt: with highlighted paving and removable seasonal planters

***Schematic concept rendition only, subject to detail design*





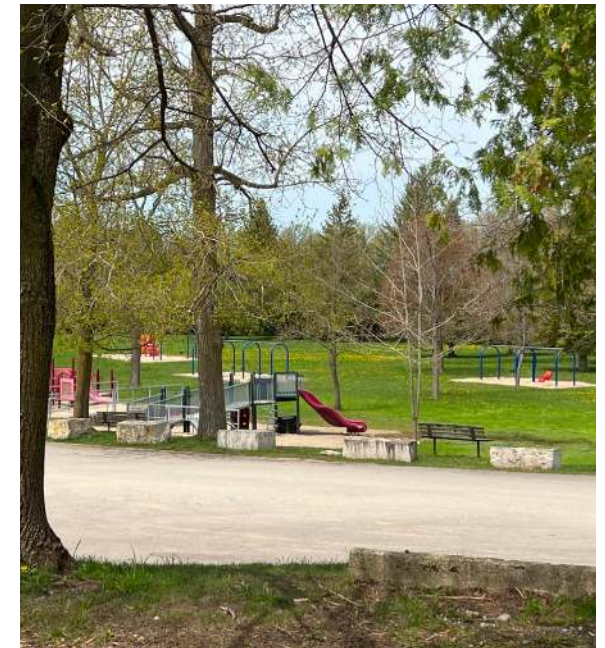
Hanover Park Splash Pad Concept Sketch

DESCRIPTION

Positioned centrally on higher ground to minimize flooding potential, this site is at the same elevation as the existing youth centre, campground washroom and skate park. Displaced parking can be relocated to the south side of the park (noted as 'overflow parking on the sketch'). Sight lines are maintained to the existing playground areas, pavilion, washroom and skate park. A lookout belvedere will provide a respite from the splash pad play area, and provide a viewing platform towards a proposed playground beyond the picnic area. Existing tree canopy provides valued shade, and a proposed perimeter fence will provide security for younger children. The existing campground washroom provides adequate housing for the mechanical equipment needed for the splash pad, and with future renovations to accommodate accessibility issues, will provide a washroom to serve both the splash pad and skate park participants.



View of Existing Pavilion from Proposed Splash Pad Location (#8 on the Concept Sketch)



View of Existing Playgrounds from Proposed Splash Pad Location (#9 on the Concept Sketch)



PART B

Hanover Centre of Excellence (COE) Park Feasibility Study

| | | | |
|---|----|---|----|
| Centre of Excellence (COE) Park | 39 | Hanover Centre of Excellence (COE) Park . . | 67 |
| Town of Hanover PRC Masterplan | 39 | Hanover Park - Proposed COE Concept A . . | 69 |
| Demographics | 41 | Hanover Park - Proposed COE Concept B . . | 70 |
| Town of Hanover Community Facility and Service Profile Background Report | 42 | | |
| Community Engagement | 43 | | |
| Online Survey Results | 43 | | |
| The Potential COE Location | 45 | | |
| Location Overview | 45 | | |
| Observations | 46 | | |
| Analysis | 47 | | |
| Hanover Park as a Centre of Excellence (COE) | 48 | | |
| A Note Regarding the SVCA | 49 | | |
| COE Programming Considerations | 50 | | |
| Factors to Consider | 51 | | |
| Existing Recreation Structures | 51 | | |
| Circulation | 56 | | |
| Existing Infrastructure | 61 | | |
| Proposed Recreation Facilities | 64 | | |



Existing Playgrounds at Hanover Park

CENTRE OF EXCELLENCE (COE) PARK

A 'centre of excellence' can refer to program, team or facility that provides leadership, best practices, support and / or training for a focus area. A range of unique programs and services via centre of excellence philosophy includes enhancing relationships at the regional level.

TOWN OF HANOVER: PARKS, RECREATION, AND CULTURE (PRC) MASTER PLAN

The Town's Strategic and PRC Masterplans' themes of; creating a healthy community, regional centre, and sustainable municipal operations, are woven into connections with a healthy natural environment. The three principal themes are as follows:

1. Healthy Community (Hanover PRC Masterplan, 2018)

The Town of Hanover has a wide variety of experiences available through parks, recreation, and culture. Facilities make it possible to participate in leisure activities that cater to a range of abilities with a multigenerational perspective. The appreciation of the environment is just one of the experiences that all contribute to the wellbeing of the community. Through the promotion of sport and cultural tourism, as well as the marketing of the potential of the parks, recreation, and cultural system, this contribution to Hanover's well-being aids in fostering the conditions necessary for the local economy to flourish. Our improved management procedures work to make sure that both indoor and outdoor facilities are accessible to the general public.

The 'centre of excellence' philosophy is mentioned in objective 3.0 'Programming' under the Healthy Community principle. It reads:

Re-organize the range of programs and services to align with Objective 1 parameters. Create facility capacity for new programs. Beginning in 2021, phase-in new and innovative programming with a regional, centre of excellence mandate. Target phase-in rate of 1 new program per age group every 4 years. Programs should be offered to encourage participation through all phases of life



Saugeen River Access Point at Hanover Park

2. Regional Centre (Hanover PRC Masterplan, 2018)

The Town offers a broad variety of distinctive services and programmes to its citizens and attracts residents on a regional level. Numerous more health and wellness initiatives are carried out in conjunction with or via community partners. At the regional level, the Town collaborates with other organizations (including bordering municipalities), the Saugeen Valley Conservation Authority, and nearby school districts, to build new facilities and programs to meet the demands of shifting demographics and trends.

The 'centre of excellence' philosophy is mentioned in objective 7.0 'Regional Facility Planning' as an initiative under the Regional Centre principle. It reads:

Objective 7.0: Beginning in 2019, create a network of community and regional partners to ensure coordinated development of recreational facilities and programs to avoid duplication of efforts and maximize facility utilization.

Initiative #1: Centre of Excellence for Programming

Recommendation: In conjunction with programming initiatives in Objective 3, create a range of focused, unique programs, that are not offered by other partners within the region.

3. Sustainable Municipal Operations (Hanover PRC Masterplan, 2018)

The Town is dedicated to providing parks, recreation, and cultural operations in an effective and efficient way while maximizing cross-departmental partnerships to minimize duplication of work. The Town embraces a culture of continual improvement. To ensure that they are providing essential services in a sustainable way, the Town works to make the highest and best use of their facilities.



People picnicking at the Hanover Park Pavilion

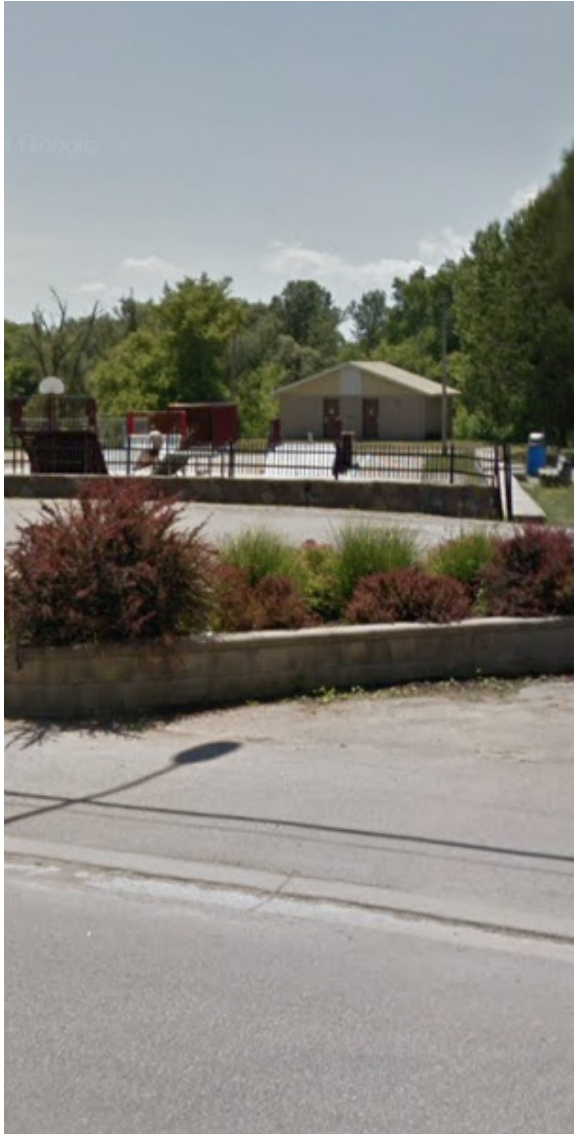
DEMOGRAPHICS

The population of Hanover is aging, a pattern seen across all of Ontario. The age groups of 45 to 64 and 65 to 84 have had the biggest growth during the previous 15 years. This depicts how the baby boomer generation is aging. The Baby Boom group ranged in age from 36 to 55 in 2001 and from 51 to 70 in 2016.

The Town's demographic composition, which now comprises about 75% adults and seniors, is not anticipated to alter. About 75% of Hanover's population mix will be adults during the course of the PRC plan. The "Boomers," "Gen X" (1965–1984), and "Millennials" (1984–late '90s) will make up the adult demographic mix.

Implications for Facility and Programming Provisions (Hanover PRC Masterplan, 2018)

- Stable population growth profile - because of the diverse cultural preferences of the newcomers to the neighbourhood, it is not anticipated that recreation and cultural activities would alter dramatically.
- Obesity challenge – future efforts to provide new programs should focus on the problem of obesity, especially among kids and adults.
- Older population profile - the profile of the older population has consequences for the programming, use, and accessibility of all facilities (both indoor and outdoor), as well as for chances for social inclusion (such as a drop-in centre for older individuals throughout the day).
- Income profile - make sure that there are programs in place and that they are extensively advertised to meet the population at risk's affordability concerns.



Hanover Park Main Entrance

TOWN OF HANOVER COMMUNITY, FACILITY AND SERVICE PROFILE BACKGROUND REPORT

The 'centre of excellence' is also highlighted in the Town of Hanover Community, Facility and Service Profile Background Report in regard to programming for a Centre of Excellence (COE) Park.

The Town delivers current programs directly or indirectly through third-party service providers. The majority of the programs are geared towards children (tots to 12 years old). 90% of the Town's direct-delivery programs are directed towards its 10% target population. The Parks, Recreation, and Culture Department's sustained performance depends on its ability to adjust and refocus its programming mix and delivery strategies.

The following are chances to boost programming, operational effectiveness, and programming capacity during the course of the Master Plan:

- Ability to adopt best practices approach in the delivery of programs, especially related to the Aquatics centre;
- Ability to develop programs with a 'centre of excellence' focus;
- Ability to develop programs / events with cultural focus;
- Ability to provide cross-training for staff in the effective delivery of programs;
- Ability to provide co-location of programs and services to help maximize efficiencies and increase customer service capacity;
- Ability to expand programming specifically targeted towards adults and seniors (demographics);
- Ability to develop new partnerships in the delivery of alternative programming for adults and seniors (demographics and behaviour); and
- Ability to deliver programs on a timely (time-of-day) basis.



Hanover Park Campground Road Remnants

COMMUNITY ENGAGEMENT

ONLINE SURVEY

The online survey went live on Wednesday, January 18th and was open for two weeks. The survey received **759 responses**. Of the 759 responses, **562 respondents were permanent residents of Hanover**.

The survey covered a series of 32 questions, ranging from potential user age groups, frequency of use, splash pad features, likes/dislikes of other splash pads, surfacing materials, etc. The survey also covered questions regarding the implementation of a 'Centre of Excellence' Park in Hanover. **The following results are from permanent Hanover residents and Hanover business owners only.**

Hanover Park as a Centre of Excellence (COE) Park:

- **60%** of respondents said **they would** spend more time at Hanover Park if it were enhanced as a COE Park
- **30%** of respondents said **they might** spend more time at Hanover Park if it were enhanced as a COE Park
- **10%** of respondents said **they would not** spend more time at Hanover Park if it were enhanced as a COE Park

Activities at Hanover Park

Majority of respondents said they could see themselves doing the following activities at a COE Park:

- Gathering with others (61%)
- Visiting the Playgrounds (68%)
- Walking (69%)
- Picnicing (62%)
- Attending special events (51%)
- Playing in the open space (44%)
- Skateboarding (12%)
- Disc Golf (8%)



Hanover Park Main Driveway

Important Considerations for Improvement

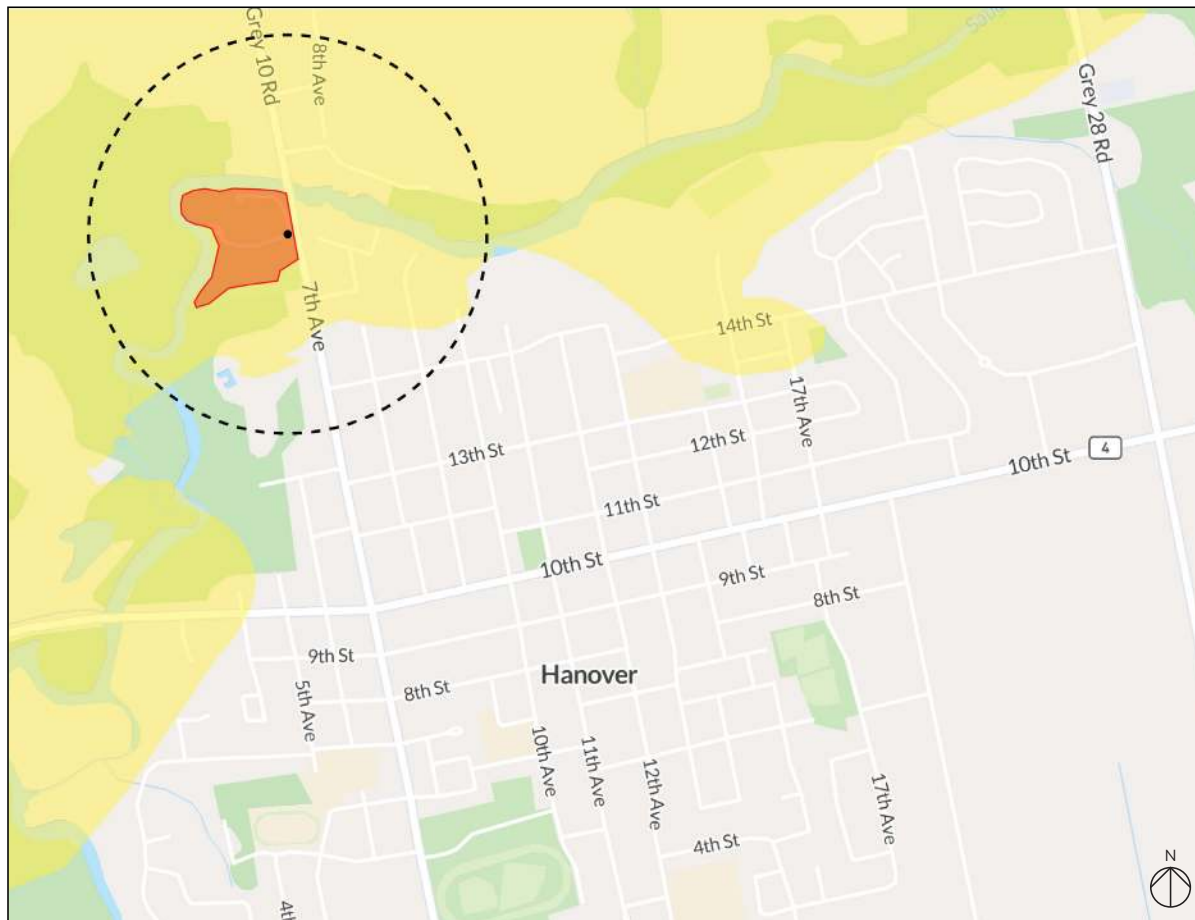
Respondents noted the following were important considerations for improvement if Hanover Park was developed into a COE:

- **58%** of respondents said that they think **more park furnishings, benches, waste bins, bike racks are important** to consider if Hanover Park were to be developed into a COE
- **47%** of respondents would like to see **an improved picnic area** if Hanover Park were to be developed into a COE
- **46%** of respondents would like to see **better trail connections within the park** if Hanover Park were to be developed into a COE
- **40%** of respondents would like to see **better circulation and parking within the park** if Hanover Park were to be developed into a COE
- **37%** of respondents would like to see **more accessible and sensory play features** if Hanover Park were to be developed into a COE
- **Additional responses included the following considerations:**
 - Sport courts;
 - Large accessible trail around the park;
 - Improved Canoe Launch/ River Access;
 - Shelters and gazebos for entertainment;
 - Splashpad;
 - Disc golf;
 - Accessibility;
 - Flood control;
 - Washroom hours posted;
 - Implement crosswalk at entrance;
 - Improved lighting for evening and night use; and
 - Somewhere to purchase water and snacks, food, etc.

Please Refer to Appendix A for the detailed online survey results

POTENTIAL CENTRE OF EXCELLENCE PARK (COE) LOCATION

LOCATION OVERVIEW



Aerial of Hanover, Ontario

A 'Centre of Excellence' (COE) can refer to program, team or facility that provides leadership, best practices, support and / or training for a focus area. A range of unique programs and services via centre of excellence philosophy includes enhancing relationships at the regional level.

The committee and community members through various means of communication have noted their interest to see the following outdoor space developments in the Hanover community:

- Splash pad;
- Fully Accessible Playground;
- Amenity & infrastructure improvements – such as pavilion / washroom, electrical;
- Walking Trails;
- Disc Golf; and
- Skateboard Park improvements

The potential location for the Centre of Excellence (COE) park is **Hanover Park**

- Proposed COE Park Location
- SVCA Approximate Regulated 'Zone One' Floodplain Area
- - - - 450 m comfortable walking radius from potential locations

OBSERVATIONS

- Limited site furnishings in need of repair;
- Skatepark surfacing is in need of repair;
- Lack of entrance signage;
- Lack of definition upon entry into the park;
- No pedestrian connection with park across street;
- Undefined boat launch;
- Undefined pathways - there are more foot paths or remnant camp ground roadways;
- No formal maintained trails at Hanover Park;
- Inaccessible play areas regarding surfacing;
- Drainage issues around play areas;
- Good vantage points from the upper parking area towards the play area and Pavilion;
- Potential for parking on northwest area;
- Inaccessible connection between upper parking areas, skatepark and picnic pavilion;
- Stairs do not meet current accessibility or safety standards (no handrail....)
- Campground washroom – currently does not meet accessibility; building generally in good condition based on external review



Drainage around Play Areas



State of Furnishings



Main Entrance



No Crosswalk/ Connection across the street



Campground Washroom



View from Upper Parking Area to Hanover Park Pavilion and Picnic Area



View from Upper Parking Area to Playgrounds



Landfill Area



Remnant Campground Road ways



View from Upper Parking Area to Playgrounds

ANALYSIS



Opportunities

- Has existing infrastructure - playgrounds, river access, pathways, utilities, and parking.
- With some significant grade change within the park, there is opportunity to develop available high grade areas that experience less flooding than lower areas for a new splash pad. Areas close to existing site servicing (access to electrical, water and sanitary servicing) would also be ideal for consideration.
- Opportunity to create activities for all year round - Skating rink, Disc Golf (winter) and Splash pad (summer)



Challenges

- Located within the SVCA regulated floodplain
- Incremental park development and existing facilities may challenge integration of new facilities
- Existing infrastructure may be difficult to accommodate Disc Golf (15-50m-unregulated) recommended re. safety (around other park facilities and recreational facilities)



Saugeen River Bank

HANOVER PARK AS A CENTRE OF EXCELLENCE (COE)

As a COE, appropriate up to date facilities will need to be included that support progressive ideas and current standards for leisure service delivery. To meet new expectations, the Town will need to upgrade existing infrastructure and facilities and include new facilities to meet increasing customer demand. As a feature destination and attraction, the park will need to live up to new expectations.

With a sound core of existing facilities and infrastructure, moderate room for growth, the following program builds upon the current offerings at Hanover Park:

- To offer a passive recreation park that offers facilities and activities that have a multi-generational appeal. This is not an active park in terms of sports fields and soccer diamonds, but more of the passive riverside park that will provide both a natural pastoral experience with picnic and play opportunities for families, groups and individuals.
- To be well planned and well maintained with facilities that are congruous with the needs and desires of the Hanover Community.
- To be a place where one can feel that their needs are being met fully, that every detail is considered, and that when one leaves the park, they will feel that their time was well spent.
- To be a park that the community is proud to support and show off!

The following program highlights and examines existing facilities, circulation and infrastructure and provides a cross section of new facilities and programming for future development consideration. The review provides grounds and rationale for 'feasibility'. By no means 'static', the recommendations are suggestions for consideration moving forward and should be a reference to guide future development. Additional engagement with community members and stakeholder groups, Town staff and Council will be required to ensure an appropriate fit between those needs and desires, and the will of the Community at large.



Saugeen River Bank

A NOTE REGARDING SAUGEEN VALLEY CONSERVATION AUTHORITY

As noted previously in the report, Hanover Park is located with a 'One Zone' floodplain. Any park upgrades or new developments will be subject to applicable review and permits.

Specifically related to the recommendations is Policy 4.1.7.2 from The Saugeen Valley Conservation Authority Environmental Planning and Regulations Policy Manual:

Development associated with public parks (e.g. passive or low intensity outdoor recreation and education, trail systems) will be permitted under the condition that it has been demonstrated to the satisfaction of the SVCA that the control of flooding, erosion, pollution of the conservation of land will not be negatively affected.



Hanover Park Dam

PROGRAMMING CONSIDERATIONS

FACTORS TO CONSIDER

- There will be competing spatial needs to provide adult and senior programming with existing facility allocations.
- There is a need to ensure that all facilities can be multi-generational and multi-functional in nature.
- The Town will need to actively engage with its third-party program providers and volunteers to ensure effective program delivery.
- Need to improve the quality and quantity of facility and program utilization data in parks, recreation, and culture; and
- Need to ensure that operations are sustainable over the life of the plan and beyond.

EXISTING RECREATION FACILITIES

PLAYGROUND

There are currently two (2) primary playground facilities, each providing traditional play opportunities. Four smaller play areas, supporting swing sets and smaller climbing gyms are located independently in the greater lawn area. The primary play areas are located on lower ground and accessed from the driveway via a ramp structure.

Challenges

- Poor accessibility re. play area surfacing.
- Access ramp does not have an accessible surface (limited for mobility aids).
- No accessible walkways to independent play areas.
- Existing play features, while in reasonable repair are focused to younger children and lack challenges suitable to older age children and youth groups.



Rubber Surfacing with theming



Climbing Opportunity



Sensory Play



Accessible Surfacing



Natural Play Features



Natural Play Features

- Conflict with main park roadway re washroom, pavilion and parking area access.
- Multiple independent play areas collectively occupy a large open area therefore limiting other activities.
- Play areas are prone to seasonal flooding.

Recommendations

While big gestures have been made to make the primary play areas accessible to the road and parking areas via a ramp structure, the ramp surface itself is not accessible, and the play areas themselves lack accessible surfacing and have seasonal flooding challenges. General recommendations include:

- The smaller play areas be augmented to accept space for other programming.
- All access and play surfacing should meet current accessibility standards.
- Remedial grading in low flooding areas should be performed as a temporary fix, and future equipment relocation should be considered.
- New play features with heightened physical and sensory challenges should be included to provide more inclusive play opportunities.
- Consideration of more natural play opportunities to suit the existing natural riverside park character will support interpretive opportunities.
- Relocation of the playground itself should be considered in conjunction with access and sight lines to other recreational facilities, washroom facilities and challenges with parking and vehicular conflicts.
- Associated furnishings (benches, bike racks, drinking fountain) and amenities (shade, picnic areas, signage) should be considered with future playground development evoking connection, quality, identity, and service.



Containment Fencing



Opportunity for themed surfacing



Coloured Concrete Surfacing

BASKETBALL COURT

Located next to the youth centre, skate park and parking, the partially fenced basketball court is well situated in the park, providing an alternative recreation opportunity for older youth. However, the court looks dated and unkempt. Size: 18.6m x 10.2m

Challenges

- Older asphalt surfacing is in good repair but has no court markings.
- Small space limits regulation basketball size and alternative sport use.
- 1.2 m high perimeter fencing is incomplete, does not contain fly away balls.

Recommendations

- Consider a larger multisport court with more accessible surfacing to suit alternative sports (tennis, pickleball, soccer).
- Re-fence with full height containment fencing.
- Include appropriate site furnishings to suit youth group (bike racks and repair station, benches, waste receptacles).
- Maintain appropriate proximity to like recreational facilities (skate park, youth centre, new play opportunities).



Concrete resurfacing



Opportunity for mural art



Moveable skatepark equipment/facilities

SKATEPARK

Adjacent to the Youth Centre, the removable skatepark features sit above the former outdoor swimming pool. The concrete pad is surrounded by the old pool surround. The skatepark is contained on two sides by a concrete block retaining wall, and shares space with the basketball court. Apart from the general look of disrepair, it is apparent that the best is being made of this space to support the skatepark. There is a good variety of skatepark features which are in good repair. Size: 35m x 13m

Challenges

- Although the skatepark appears well used, it has a general look of disrepair, largely due to older 'reclaimed' weed infested surfacing and litter.
- There are limited site furnishings other than a few waste receptacles and a bike rack is located adjacent to the youth centre.

Recommendations

- Consultation with the youth group using the skatepark would identify any needs or wants with the current facility.
- It is recommended however, that integration with future recreation facilities (i.e. splash pad) should include more defined delineation and containment to provide adequate buffering between uses.
- Re-surfacing should be addressed.



Removable Disc Golf Net



Winter Activity Opportunity



Signage at each hole

DISC GOLF

As a recreation activity, Disc Golf has been a popular trend in recent years. It supports 'COE' initiatives, helps balance multi-generational activities, and adds a competitive attraction to this popular riverside park.

A 9 hole (3 and 4 par), 1.4km long course is being launched as a new recreation activity in the summer of 2023 in Hanover Park. It offers a beginner-intermediate difficulty rating, suitable for both new players and those with some experience. The course covers most available perimeter lands surrounding the park, with the first and last holes located near the riverside parking area. The course itself offers suitable play challenges, including topographical changes and existing trees that encourage skill and strategy development for players. A sponsorship opportunity for the Disc Golf Course has been implemented. The Disc Golf activity is being supported by the Hanover Disc Golf Development Ad Hoc Committee. Information is included on the Town of Hanover website, under its own heading 'Disc Golf' (<https://www.hanover.ca/disc-golf>).

Challenges

- With the minimum recommended space of 2.4 hectares (6 acres) for a 9-hole disc golf course, available space in Hanover Park is on the cusp of being slightly too small.
- Existing and proposed activities (playground, parking, trails) limit available space re. safety zone requirements for safe play.
- The removable nets require either seasonal or periodic installation (by staff or volunteers) depending on playable times.
- Storage needs (removable nets).

Recommendations

- As a more malleable activity in terms of space use, other permanent facilities should take priority re. determining the best location for each.
- Safety zones (minimum 15 meters) around playground and other recreation activities should be respected when designing the course.



Proposed Disc Golf Course at Hanover Park taken from Town of Hanover Website

- An alternative course layout in terms of number of holes (6 vs 9), and style (pitch and putt vs. full course) might be considered if space becomes limited.
- It is recommended that comments be collected during the first year of play to gauge public interest and staff commitment to maintaining this activity in the park.
- The course should be well-signed, providing information to users and warnings on surrounding facilities and circulation routes.



Overhead Gateway Signage



Enhanced Wall Signage



Planting Enhancements

CIRCULATION

PARK ENTRANCES

There are two vehicular entrances into Hanover Park, one via the main gates, and a secondary service entrance to the (south). The main entrance gateway is flanked with stately formal brick walls, that may have some historic significance. With no signage present, the park entrance lacks celebration and imparts little awareness; there is no identification for either of the two entrances.

Challenges

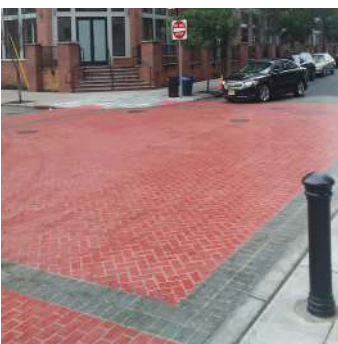
- As impressive as they are, the primary gateway lacks park identification, and is not highlighted to suggest that this is an open public park.
- As one enters through the gateway, orientation is vague, and one is unsure of where to go.

Recommendations

- Include Park signage supporting identification, orientation, direction, and information indicating facilities, hours, ownership etc.
- Highlight entrance gateway with additional planting and consider visual connectivity to the neighbouring commemoration Park across the street.
- Reconfigure traffic flow to provide a stronger sense of direction and safety within the park.



Traffic Controls



Change in Surfacing

DRIVEWAY

The central asphalt driveway provides direct access to both the upper parking area, the picnic pavilion area and the riverside parking area. It is in reasonable condition and provides adequate space for service vehicles and visitors. Upon entering the park, direction to a variety of parking areas and the main drive is unclear, potentially causing confusion on where to go for any specific facility or park features. The driveway utilizes large concrete blocks for roadway containment and aftermarket speed bumps for speed calming.

Challenges

- The main drive bisects the park, causing an area of conflict between pedestrians and vehicles, especially at the pavilion area.
- Historically used as the direct route linking current park features, apprehension to relocate the road will be difficult to address.

Recommendations

- More identification and directional signage included at the entrance would assist with arrivals and circulation issues.
- Additional traffic control measures should be included to limit conflict and encourage slower vehicular movement. Examples include the installations of vehicle stop signs adjacent to the pavilion and markings on asphalt to create a pedestrian crossing.
- A circulation loop or round-about would provide unobstructed flow for maintenance vehicles and larger vehicles especially those requiring larger turn around space.



Roundabout



Large Planters along driveway



Directional Signage



Resurfaced Parking lot with enhancements



Planting Enhancements



Opportunity for Identification and Directional Signage

PARKING AREAS

There are currently three (3) active parking areas on site. The two (2) upper lots with asphalt surfacing are located on high ground and serve the youth centre and skate park areas. The lower gravel lot is adjacent to the Saugeen River and provides unstructured river access for a smaller boat launch area. An information kiosk is located next to the parking area with information about the Saugeen River system.

Challenges

- Parking spots are not defined (no pavement markings) potentially resulting in inefficient parking (lowering capacity).

Recommendations

- Repair and resurface the upper parking areas as required, complete with pavement markings.
- Update the upper parking lot and Hanover Youth Centre parking lot with appropriate planting enhancements to help define parking lot areas.
- Support parking and overall circulation with signage (directional, identification, informational).
- Consider additional overflow parking in northwest area, and along the river for more direct access to support new facility development. Access can be controlled.
- Consult with the SVCA re preferred surface materials. Monolithic Asphalt (vs. loose gravel) often preferred re erosion susceptibility.



Directional Signage



Gravel Path/ Trail



Boardwalk Trail

TRAILS AND CONNECTIONS

The pathways and footpaths in Hanover Park have been limited to undefined foot paths connecting existing trails that pass by the park from Commemorative Grove/ Karl Wilken Park across the street to the trail system beyond the park along the river. A trail passing through Hanover Park is noted on the interactive Park and Trail map found on the Towns website. Trails offer a passive recreation activity that appeal to a multigenerational user group. Additional supporting activities along a trail might include bird watching, exercise stations, plein air painting opportunities, educational experience, etc. Additional connections include the playground ramp and the stairs joining the upper parking to the picnic pavilion.

Challenges

- Connections between existing trails are not defined, and wayfinding between trails is more intuitive as signs or directional markers are not present. No staging areas present.
- There are no crosswalks on Bruce Road 10/7th Avenue to accommodate safe road crossing and trail connections with the trail head at Commemorative Grove/ Karl Wilken Park.
- Existing 'trails' have developed from regular use and are merely worn footpaths rather than groomed and maintained trails.
- With limited 'defined' trails, off trail exploration leads to degradation of natural areas and ecosystems.
- Existing 'trails' within the park are not accessible, experience seasonal flooding, and are not defined as a specific recreational feature.
- The playground ramp serves as an 'accessible' connection to the playground areas yet has surfacing issues with erosion and nonconformance with current accessibility standards.
- The concrete stairs connecting the upper parking lot with the pavilion are in reasonable shape but do not meet accessible guidelines.



Trail with scenic views



Opportunity for Interpretive Panels along Trails



Lookouts to the Saugeen River

Recommendations

- Surrounding trail heads and connections should be identified and use patterns examined to determine where existing ‘trails’ could be enhanced, and new trails would be best located.
- Trail design (surfacing, widths, use, (identification, orientation, direction and information signage etc.) should meet current accessibility standards for trail development.
- Notwithstanding connectivity to surrounding trails, trail development within the park should include alternative loops to provide multiple options (distance, experience) for use.
- Appropriate seating options should be included along new trail development.
- Consider designated lookout areas and signed river access points in efforts to concentrate activity to designated areas, limiting off trail discovery and exploration. (Preserves site integrity, limits degradation).
- Include interpretive panels (re. ecology, natural fauna, Saugeen River, ecological systems etc.) to support educational value of Hanover Park.
- Opportunity to include staged exercise stations along the trail route increasing alternative uses.
- A pedestrian crosswalk should be considered on Bruce Road 10/7th Avenue to safely accommodate trail users and connection with Commemoration Park.
- The ramp should be resurfaced to meet accessibility guidelines.
- The stairs should have a railing as a minimum accessibility improvement. Future phases should include an accessible ramp as a replacement for the stairs.



Building Enhancements



Planters for traffic measures



Change in Surfacing/ Paving



Enhanced Picnic Area

EXISTING INFRASTRUCTURE

PICNIC PAVILION

The existing picnic pavilion houses both washroom facilities and a small kitchen space. Picnic tables are located under the pavilion and adjacent to the pavilion on a paved surface. The pavilion serves as a central gathering space and is a popular picnic venue. Possible electrical upgrades have been identified by the Town.

Challenges

- Current level of maintenance results in overall appearance of the pavilion being dated and lacking appeal.
- Adjacent to the main drive, there are circulation conflicts between pedestrians and vehicles.

Recommendations

- Include traffic separation and calming measures around the pavilion to mitigate conflict between pedestrian and vehicular circulation such as the installations of vehicle stop signs adjacent to the pavilion and markings on asphalt to create a pedestrian crossing.
- Consider additional interior space and possible footprint expansion to potentially house a COE storage area. Renovation/expansion efforts will be subject to SVCA regulations and permit fees.



Ramp to Washroom



Splash Pad Control Unit



Splash Pad Control Unit mounted to Building

CAMPGROUND WASHROOM

The existing washroom building (concrete block walls) houses 2 washrooms. Current condition is unknown but having not been used since the campground was decommissioned approximately 10 years ago, it is understood that upgrades will be required for washrooms to meet current accessibility standards.

Challenges

- Located within the SVCA floodplain, upgrades to the washroom will require an application to the Saugeen Valley Conservation Authority – subject to fees.

Recommendations

- A complete review and assessment of the existing washroom (fixtures, building and utilities) should be performed to assess the condition of the existing fixtures, and determine further action.
- An exterior entrance ramp, upgraded fixtures, hand driers, baby change tables etc. are anticipated upgrades.
- Appropriate lighting (time controlled) and safety measures should also be considered.
- Given the exterior size of the building, it appears that there should be adequate space on the interior to include a cabinet for the mechanical controls needed for a new splash pad. This should be incorporated into the new plans for the washroom.
- Other considerations might include provision for a maintenance cupboard, appropriate signage (family, all-gender use).



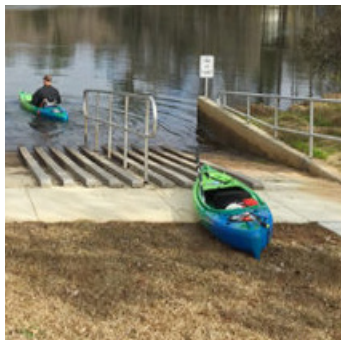
Natural Canoe Launch



Natural Canoe Launch



Accessible Canoe Launch



Canoe Launch with Hand Rail



Opportunity for Signage

CANOE LAUNCH

The Saugeen River is a popular canoe and kayak river. As a river route 'trailhead', Hanover Park provides a small boat launch area for people starting their journey from Hanover Park. (Saugeen River Access Site #3 on the Saugeen River route). A small unsigned canoe launch area next to the parking lot appears to have had 'ad-hoc' development over the years, with concrete paver blocks making up the entrance ramp into and beyond the rivers edge. Many blocks are missing, and erosion issues are obvious. The launch is not designed or set up for boat trailer access.

Challenges

- Located within the SVCA floodplain, upgrades to the boat launch area will require an application to the Saugeen Valley Conservation Authority – subject to fees.
- The current ramp area is not accessible and provides trip hazards with eroded soil conditions surrounding the paver blocks.

Recommendations

- There should be consideration for an accessible boat launch surface to limit liability re personal safety for users.
- Signage offering identification, orientation, direction, and information should be provided at the boat launch area. Refer to SVCA for regulatory guidelines pertaining to boat launch areas.
- Alternative sites might be considered further upriver that may offer a larger staging area ahead of the boat launch itself.
- Inclusion of safety equipment and signage (re liability, warnings, etc.) should be included at launch site.

Please Refer to Appendix C for a list of the Saugeen River Access Points



Furnishings around Splash Pad



Variety of Features



Shaded Opportunities



Non-slip surfacing



Opportunity for surfacing patterns

PROPOSED RECREATION FACILITIES

SPLASH PAD

Hanover Park is the preferred site to accommodate a new Splash Pad development for the Town of Hanover. Refer to Part A – Splash Pad Feasibility Study for more details on the process for park selection and details surrounding the splash pad development.

Three sites within the park have been identified as possible locations for the splash pad. Key considerations for specific site selection within the park include visual connectivity with the existing playground area; higher ground to limit seasonal flooding therefore maximizing seasonal use; connection to existing utilities (hydro, water, drainage); proximity to washrooms and existing parking, and minimal conflict with vehicles (driveway and parking).

Given the desire to develop Hanover Park into a Centre of Excellence, the addition of a splash pad would support this initiative.

Considerations

- Appropriate space allowance (minimum of 275sq.m) to accommodate 3 play zones (toddler, youth and family).
- The design of the splash pad features could include a specific theme, colours, specific features etc. Additional community engagement (especially with youth groups) would encourage participation and aid in a process for developing the design of the splash pad in a specific direction.
- Early thoughts on themes to consider would include 'Nature', 'Farming' or 'River'.
- Visual connectivity to other recreational activities (specifically the playground) to support caregivers when looking after multiple individuals/groups.
- Safety barriers to contain children within the splash pad area.
- Proximity to washroom facilities and parking.
- Associated site amenities and furnishings (seating, shade, waster receptacles, bike racks, signage, spring loaded gates etc.)



Opportunity for multiple demographics

- SVCA requires that the flooding hazard needs to be adequately addressed in the application for development (e.g., splashpad at grade, passive floodproofing of electrical box, fill balanced, crush and uplift pressure addressed, etc.). Associated permit fees will apply.
- Safety lighting with time control.
- A flow through water management system.
- Possible connection to existing storm water management, and or to a water storage tank for grey water collection and irrigation use.

ALTERNATIVE PLAY AND EXERCISE AREAS

Outdoor exercise areas have increased in popularity especially since the covid pandemic. They suit a multi-generational audience and provide an alternative flexible outdoor activity for individuals and groups (schools, clubs, summer camps). Design options include providing an exercise zone or area in which a complete set of exercise equipment is located, or providing an exercise loop or trail, in which one can experience equipment situated independently, challenging different fitness goals. Concurrently, an obstacle course is another outdoor play activity gaining popularity for both the youth and adult sector. Coordination, motor skills, sensory processing, strength and balance, and memory and problem solving are all considered in the design of an obstacle course. Obstacle courses are also designed for winter use. The market currently supplies a wide range of exercise and obstacle equipment serving all skill levels and age groups that will suit any budget range.



Outdoor Exercise Areas

Considerations

- Proximity to other play areas, washrooms, and parking will help to maintain a consolidated activity zone (maintenance and servicing).
- Alternative locations for exercise stations on trails.
- SVCA – permitting, fees.
- Theming.



Outdoor Exercise and Obstacle Course



Formal Interactive Event Area



Natural Interactive Event Space



Opportunity for activities such as Yoga

INTERACTIVE EVENT AREA

A designated space for passive exercise and/or events would provide an additional feature that would support multigenerational activities such as group exercise classes (yoga, ti-chi etc.) educational sessions, entertainment, etc. As a designated space, some delineation in terms of a performance platform or seating would be beneficial but not entirely necessary.

Considerations

- Locate this activity away from other active facilities to limit conflicting noise issues.
- Should be in proximity to washrooms, parking, access routes.
- Utilize natural grades for viewing opportunities.



Bench looking out towards the Saugeen River

HANOVER CENTRE OF EXCELLENCE (COE) PARK

It has been proposed that Hanover Park might be a suitable location to develop a Centre of Excellence for the Town of Hanover. This feasibility study was conducted to investigate the possibility of upgrading and developing the park as a Centre of Excellence for the Town of Hanover. The Master Plan Concept has developed from the following:

Demographics and Consumer Demand

With both an aging population and limited recreation facilities for that demographic, it was noted in the Town of Hanover Parks and Recreation Master Plan that more facilities and programming was required by the Town to address this gap. Heightened trail development, flexible multi-generational activities (exercise stations, court activities, passive exercises space etc.) and improved river access fill this need.

Location

Hanover Park is a lovely riverside park exhibiting a pastoral landscape with open sweeping lawns, mature trees and natural riverside environments. With the Karl Wilken Park across the street, the Youth Centre on site and existing park and recreation infrastructure, Hanover Park is well situated for further passive recreation development.

Existing Facilities

As an older park, both aging recreation facilities and infrastructure are currently requiring upgrades and or redevelopment. The park has space to expand on its current offerings with room for more efficient use of space and connections. Additional recreational development and programming will provide the justification for upgrades and renovations.

History

Having a strong presence as a community asset is a good foundation for future development plans. Currently Hanover Park has a good visitor base (both community and guests) with many attractions: Saugeen River Access launch site, connectivity to the existing trail network, ample playground equipment, a popular skatepark and Youth Centre, and a central picnic pavilion. Building upon an existing asset can be more favourable than creating a new one.

The Master Plan Concept is built upon the following features:

- 1. A Central Activity Area:** By maintaining a concentration of more active play areas, efficiencies are made in terms of visual and physical connectivity, and maintenance and servicing requirements. (Picnic pavilion, splash pad, playground, skate park, multi-sport court, washrooms etc.)
- 2. Building upon Existing Connections:** With an existing central driveway linking various parking areas, the surrounding trail network, and proximity to the Saugeen River, there is opportunity to enhance connections for a more enjoyable experience. (Better parking environments, boat launch, trail connections, etc.)
- 3. Alternative Play and Exercise:** Expanding on traditional playground facilities to be more inclusive will support a more progressive concept in recreation development. The outdoor gym, obstacle courses, sensory and natural play and disc golf speak to a new way of recreational programming.
- 4. New Programming Opportunities:** Having flexible gathering spaces (picnic areas, small event area, open lawn spaces) and facilities to accommodate summer camps for children can also serve the outdoor classroom during the school year and the continuing education sector geared towards adult learning.
- 5. Existing Facility Upgrades:** Current aging facilities, though well used and popular, would benefit from upgrades to bring them to a standard expected of a Centre of Excellence. This would be true of the park entrance, pavilion building, the campground washroom, the skatepark the basketball court, and park furnishings (benches, wayfinding, park identification, lighting, cycling facilities etc.)

In conclusion, the two Master Plan Concepts outline possibilities for new passive recreational facilities to support a Centre of Excellence. It is the findings of the report that as an existing passive recreational park, Hanover Park does have the physical capacity to be developed into a Centre of Excellence. The associated phased budget estimate (short term, mid-term and long term) provides anticipated development costs which will assist in the decision-making process to determine the actual 'feasibility' of this prospect.

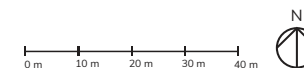
HANOVER PARK - PROPOSED COE CONCEPT A



LEGEND

- | | |
|---|--|
| A Main Entrance - New Gateway/Entry Signage - Planting Enhancements | L Playground |
| B Upper Parking Lot (10 Stalls) | M Walking Trail |
| C Parking Lot (8 Stalls) | N Canoe Launch |
| D Crosswalk Connections - Connection at Karl Wilken Memorial Park - Connection to existing Community Trail | O Parking (20 Stalls) |
| E Splash Pad | P Lookout to Saugeen River |
| F Ramp (to access lower area of park) | Q Fitness Walk |
| G Skatepark | R Overflow Parking (20 Stalls) |
| H Multi Sport Court | S Parking (10 Stalls) |
| I Interactive Event Area | T Disc Golf Course |
| J Lookout to Pavilion and Playground | 3 Tee Area |
| K Pathway connection to existing community trail and park area | Basket Location |
| | Alternative Adult Fitness or Obstacle Course |
| | 15 m Buffer Zone from Trail |
| | A / B - Food Vendor Location Options |

**Schematic concept rendition only, subject to detail design



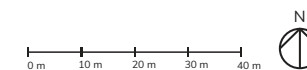
HANOVER PARK - PROPOSED COE CONCEPT B

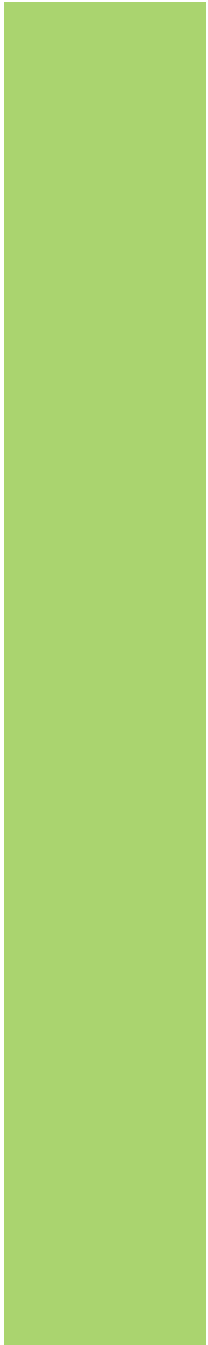


LEGEND

- | | |
|---|---|
| (A) Main Entrance - New Gateway/Entry Signage - Planting Enhancements | (L) Playground |
| (B) Upper Parking Lot (10 Stalls) | (M) Walking Trail |
| (C) Parking Lot (8 Stalls) | (N) Canoe Launch |
| (D) Crosswalk Connections - Connection at Karl Wilken Memorial Park - Connection to existing Community Trail | (O) Parking (20 Stalls) |
| (E) Splash Pad | (P) Lookout to Saugeen River |
| (F) Ramp (to access lower area of park) | (Q) Fitness Walk |
| (G) Skatepark | (R) Overflow Parking (20 Stalls) |
| (H) Multi Sport Court | (S) Parking (10 Stalls) |
| (I) Stage and Ampitheatre | (T) Disc Golf Course |
| (J) Lookout to Pavilion and Playground | 3 Tee Area |
| (K) Pathway connection to existing community trail and park area | Basket Location |
| | Alternative Adult Fitness or Obstacle Course |
| | Fitness station opportunity on either side of trail |
| | 15 m Buffer Zone from Trail |
| | C / D / E - Food Vendor Location Options |

**Schematic concept rendition only, subject to detail design





Appendices

APPENDICES

APPENDIX A - ONLINE SURVEY RESULTS

What age group do you belong to?

| ANSWER CHOICES | RESPONSES | |
|----------------|-----------|-----|
| Under 15 | 1.78% | 10 |
| 15-20 | 1.25% | 7 |
| 21-35 | 30.78% | 173 |
| 36-50 | 34.34% | 193 |
| 51-65 | 20.11% | 113 |
| 66+ | 11.74% | 66 |
| TOTAL | | 562 |

Do you have children of an age that would use a splash pad?

| ANSWER CHOICES | RESPONSES | |
|----------------|-----------|-----|
| Yes | 54.22% | 289 |
| No | 45.78% | 244 |
| TOTAL | | 533 |

Do you have friends or family members that would use a splash pad?

| ANSWER CHOICES | RESPONSES | |
|----------------|-----------|-----|
| Yes | 90.23% | 480 |
| No | 9.77% | 52 |
| TOTAL | | 532 |

How often would you use the splash pad?

| ANSWER CHOICES | RESPONSES | |
|------------------------------|-----------|------------|
| Every day | 3.77% | 20 |
| Twice or more a week | 34.84% | 185 |
| Once a week | 21.85% | 116 |
| A few times during the month | 24.86% | 132 |
| Never | 14.69% | 78 |
| TOTAL | | 531 |

Have you visited other splash pads near Hanover or elsewhere?

| ANSWER CHOICES | RESPONSES | |
|----------------|-----------|------------|
| Yes | 87.80% | 468 |
| No | 12.20% | 65 |
| TOTAL | | 533 |

What did you like about the splash pads you had visited?

| ANSWER CHOICES | RESPONSES | |
|--|-----------|-----|
| They accommodated different age groups well | 62.83% | 311 |
| Engaging enough for my toddler without being too busy | 34.95% | 173 |
| Good viewing and seating options | 64.04% | 317 |
| Close to other recreation amenities (playgrounds, sports fields, courts etc) | 62.22% | 308 |
| Very vibrant and engaging with a variety of water features | 65.25% | 323 |
| Close to washrooms | 68.69% | 340 |
| Was open and available all the time | 54.34% | 269 |
| Was universally accessible | 40.61% | 201 |
| Other (please specify) | 9.09% | 45 |
| Total Respondents: 495 | | |

Other common responses:

- Areas for shade
- Safety – fences
- Community Engagement
- Cool water features
- Clean
- Sensory inputs
- Well maintained
- Located in a campground
- Safely away from busy and congested roads
- Doubled as a skating rink in the winter
- Good parking
- Safe soft paving, cement can become slippery over time

What did you not like about the splash pads you had visited?

| ANSWER CHOICES | RESPONSES | |
|--|-----------|-----|
| Too noisy and busy for my younger children | 3.55% | 15 |
| Geared to toddlers so my older kids got bored | 21.51% | 91 |
| Washrooms were too far away | 17.49% | 74 |
| There were no washrooms or change rooms | 32.86% | 139 |
| There were limited seating areas | 40.66% | 172 |
| There was little to no shade (trees or structure/canopy) | 57.21% | 242 |
| There was nothing else to do in the park | 22.70% | 96 |
| Hours of operation limited/ prohibited use | 23.64% | 100 |
| Too close to the road / or parking lot so safety for my kids was a concern | 21.99% | 93 |
| It was not universally accessible | 6.38% | 27 |
| Other (please specify) | 7.80% | 33 |
| Total Respondents: 423 | | |

Would you use the splash pad (provided there were washrooms added) if it were located at Heritage Square?

Yes, frequently

| ANSWER CHOICES | RESPONSES | |
|---|-----------|-----|
| Because it is in walkable distance to my home | 71.81% | 135 |
| Because it would provide another activity in the Square | 69.68% | 131 |
| Because it's close to retail and dining | 36.70% | 69 |
| Other (please specify) | 14.89% | 28 |
| Total Respondents: 188 | | |

Other common responses:

- Can become busy and congested at times
- Small
- Slippery surfaces
- Parking was very far from the splash pad location
- Too far away

Other common responses:

- Central community location
- Adequate Parking
- Beautiful space
- Variety of seating
- Helps the downtown core
- Shady due to the vegetation

Sometimes

| ANSWER CHOICES | RESPONSES | |
|--|-----------|----|
| Sometimes, because it is in walkable distance to my home | 17.99% | 25 |
| Sometimes, because it would provide another activity in the Square | 17.27% | 24 |
| Sometimes, because it's close to retail and dining | 11.51% | 16 |
| Sometimes, because it is more of a civic park, not an active recreation park | 51.80% | 72 |
| Sometimes, because it is too far from my home and I can not walk there. | 10.79% | 15 |
| Sometimes, because the parking area is too busy | 36.69% | 51 |
| Other (please specify) | 28.78% | 40 |
| Total Respondents: 139 | | |

Not likely

| ANSWER CHOICES | RESPONSES | |
|---|-----------|-----|
| Because it is more of a civic park, not an active recreation park | 66.33% | 132 |
| Because it is too far from my home and I can not walk there. | 3.02% | 6 |
| Because the parking area is too busy | 47.74% | 95 |
| Other (please specify) | 57.29% | 114 |
| Total Respondents: 199 | | |

Would you use the splash pad if it were located at Hanover Park?

Yes, frequently

| ANSWER CHOICES | RESPONSES | |
|--|-----------|-----|
| Because it is in walkable distance to my home | 31.92% | 98 |
| Because there are other activities to do in the park | 87.95% | 270 |
| Other (please specify) | 33.22% | 102 |
| Total Respondents: 307 | | |

Other common responses:

- Too close to the busy streets
- There are no other play structures nearby
- Safety concerns around Homeless people
- Not a big enough space
- No other activities going on at the same time

Other common responses:

- Too close to the main street
- Several safety concerns
- Too small
- Not secure enough
- Parking is not suitable
- Area is too exposed

Other common responses:

- Can accommodate more people
- Washrooms
- Less traffic
- Safer for kids
- Close to nature
- Parking
- Shady and Secluded

Sometimes

| ANSWER CHOICES | RESPONSES | |
|--|-----------|----|
| Because it is in walkable distance to my home | 18.80% | 22 |
| Because there are other activities to do in the park | 52.99% | 62 |
| Because it would be difficult to manage my children given all the options. | 8.55% | 10 |
| Because it is too far from my home and I can not walk there. | 23.93% | 28 |
| Because the parking area is too busy | 9.40% | 11 |
| Other (please specify) | 26.50% | 31 |
| Total Respondents: 117 | | |

Not likely

| ANSWER CHOICES | RESPONSES | |
|--|-----------|----|
| Because it would be difficult to manage my children given all the options. | 9.91% | 11 |
| Because it is too far from my home and I can not walk there. | 25.23% | 28 |
| Because the parking area is too busy | 12.61% | 14 |
| Other (please specify) | 71.17% | 79 |
| Total Respondents: 111 | | |

Would you use the splash pad if it were located at Kinsmen Ball Park?

Yes, frequently

| ANSWER CHOICES | RESPONSES | |
|--|-----------|-----|
| Because it is in walkable distance to my home | 44.29% | 97 |
| Because there are other activities to do in the park | 61.64% | 135 |
| Because it would provide another recreation activity in the park | 66.21% | 145 |
| Other (please specify) | 21.92% | 48 |
| Total Respondents: 219 | | |

Other common responses:

- Would only visit when I'm with my grandchildren
- Would only visit when babysitting
- Would have to drive to it
- Uneven terrain
- Not very central

Other common responses:

- Lack of daily maintenance
- The river or pool are available there instead
- It floods often
- Too far to get to
- Not close to other amenities such as restaurants, shops, etc.
- Geese problem

Other common responses:

- It can accommodate more people
- More parking
- Underutilized recreational space
- Quiet
- Less traffic
- It has washrooms and a pavilion

Sometimes

| ANSWER CHOICES | RESPONSES | |
|--|-----------|----|
| Because it is in walkable distance to my home | 16.56% | 25 |
| Because there are other activities to do in the park | 27.81% | 42 |
| Because it would provide another recreation activity in the park | 28.48% | 43 |
| Because there are many recreation options there already and it would be too busy | 14.57% | 22 |
| Because it would be difficult to manage my children with all the options. | 7.95% | 12 |
| Because the parking area is too busy | 12.58% | 19 |
| Because it is too far from my home and I can not walk there | 29.80% | 45 |
| Other (please specify) | 19.87% | 30 |
| Total Respondents: 151 | | |

Not likely

| ANSWER CHOICES | RESPONSES | |
|--|-----------|----|
| Because there are many recreation options there already and it would be too busy | 24.84% | 40 |
| Because it would be difficult to manage my children with all the options. | 6.83% | 11 |
| Because the parking area is too busy | 22.98% | 37 |
| Because it is too far from my home and I can not walk there. | 30.43% | 49 |
| Other (please specify) | 50.93% | 82 |
| Total Respondents: 161 | | |

Other common responses:

- Flying baseballs and other baseball hazards
- Too far so I would go there less
- Inconvenient
- No shade
- Parking is limited when there is a baseball game or other event going on

Other common responses:

- Lack of daily maintenance
- Isolated area
- Not close to other amenities like food, shopping, etc.
- Out of the way or too far to get to
- Flying baseballs
- Neighbourhood is a senior community

Check off all of the following that are important to you for a new splash pad:

| ANSWER CHOICES | RESPONSES | |
|--|-----------|-----|
| Accessible play features | 59.25% | 285 |
| Multiple splash pad play zones (suitable for different age groups) | 82.74% | 398 |
| Washroom/Changeroom facilities | 89.40% | 430 |
| Partially contained with open access | 36.17% | 174 |
| Fenced with controlled access | 19.33% | 93 |
| Containment is not an issue for my needs | 22.04% | 106 |
| Parking | 59.67% | 287 |
| Next to or nearby playground equipment | 61.75% | 297 |
| Picnic area | 56.76% | 273 |
| Shelter or Shade area | 82.12% | 395 |
| Proximity to retail or dining | 7.28% | 35 |
| Total Respondents: 481 | | |

As a Hanover resident, are you prepared to support a possible tax increase to cover the potential operating expenses?

| ANSWER CHOICES | RESPONSES | |
|-----------------------------|-----------|-----|
| Yes | 70.42% | 350 |
| No | 28.97% | 144 |
| I am not a Hanover resident | 0.60% | 3 |
| TOTAL | | 497 |

Developing a splash pad in our community will require fundraising efforts. would you be willing to support a capital campaign (fundraising) program?

| ANSWER CHOICES | RESPONSES | |
|----------------|-----------|-----|
| Yes | 79.76% | 394 |
| No | 20.24% | 100 |
| TOTAL | | 494 |

A splash pad development committee will be formed to help guide the project. Would you be willing to volunteer your time and join this committee?

| ANSWER CHOICES | RESPONSES | |
|----------------|-----------|-----|
| Yes | 24.59% | 121 |
| No | 75.41% | 371 |
| TOTAL | | 492 |

How often do you visit Hanover Park?

| ANSWER CHOICES | RESPONSES | |
|----------------|-----------|-----|
| Daily | 4.19% | 20 |
| Weekly | 25.79% | 123 |
| Monthly | 34.59% | 165 |
| Rarely | 35.43% | 169 |
| TOTAL | | 477 |

Do you think you would spend more time at Hanover Park if it were enhanced as a 'Centre of Excellence' Park?

| ANSWER CHOICES | RESPONSES | |
|----------------|-----------|-----|
| Yes | 58.95% | 280 |
| No | 11.37% | 54 |
| Maybe | 29.68% | 141 |
| TOTAL | | 475 |

What activities do you see yourself doing in a 'Centre of Excellence' Park?

| ANSWER CHOICES | RESPONSES | |
|-------------------------------------|-----------|-----|
| Gathering with others | 61.42% | 285 |
| Visiting the Playgrounds | 68.75% | 319 |
| Skateboarding | 12.07% | 56 |
| Playing in the open space | 44.18% | 205 |
| Canoeing | 21.98% | 102 |
| Walking | 69.83% | 324 |
| Fishing | 26.94% | 125 |
| Hiking | 34.70% | 161 |
| Picnicking | 62.93% | 292 |
| Attending Special events/activities | 51.51% | 239 |
| Other (please specify) | 8.41% | 39 |
| Total Respondents: 464 | | |

If Hanover Park is developed into a COE, which of the following considerations do you think are important for improvement?

| ANSWER CHOICES | RESPONSES | |
|--|-----------|-----|
| Better circulation and parking | 40.26% | 186 |
| Fully accessible play features | 37.45% | 173 |
| More consolidated play area | 19.70% | 91 |
| Improved picnic area | 47.19% | 218 |
| The park works as it is – it doesn't need improvements | 13.64% | 63 |
| More park furnishings, benches, waste bins, bike racks | 58.44% | 270 |
| There needs to be better trail connections with the park | 46.75% | 216 |
| Skate Park improvements | 19.70% | 91 |
| Other (please specify) | 11.69% | 54 |
| Total Respondents: 462 | | |

Other common responses:

- Disc Golf
- Specific sports such as Basketball, Volleyball, running track (if permitted)
- Dog Sports or amenities
- Enjoying nature and the river
- Meditating
- Biking
- Photography
- Splash pad
- Multi-use concrete pad
- Being social
- Exercise classes

Other common responses:

- Sports courts, large accessible trail around the park
- River access needs to be cleaned up and maintained
- Shelters and gazebos for entertainment
- More equipment and splashpad
- Disc golf
- Accessibility
- Flood control
- Washroom hours posted
- Implement crosswalk at entrance – makes it safer for those walking or biking to the park
- Improved lighting for evening and night use
- Splash pad would increase more visitors
- Somewhere to purchase water and snacks, food, etc.

If Kinsmen Ball Park is developed into a COE, which of the following considerations do you think are important for improvement?

| ANSWER CHOICES | RESPONSES | |
|--|-----------|-----|
| Better circulation and parking | 31.28% | 132 |
| Fully accessible play features | 31.04% | 131 |
| More consolidated play area | 21.56% | 91 |
| Improved picnic area | 51.66% | 218 |
| The park works as it is – it doesn't need improvements | 14.22% | 60 |
| More park furnishings, benches, waste bins, bike racks | 61.37% | 259 |
| There needs to be better trail connections with the park | 28.20% | 119 |
| Other (please specify) | 12.09% | 51 |
| Total Respondents: 422 | | |

Other common responses:

- Activities for multiple age groups
- Safety from busy parking lots and baseballs
- Concession stands
- More shaded areas
- New updated pavilion area
- Water fountain
- Basketball court

Do you have any suggested locations for a 'Centre of Excellence' Park within Hanover?

- Spaces that have Soccer fields
- Bob Steers Park
- JDSS Football Field
- Carl Wilken Parkspace
- Old Bob Crawford football field

Do you have any other comments or concerns?

- Transportation issues for families without access
- Better trails and park activities
- A splash pad that is centrally located would be better for families who don't have a vehicle.
- Please consider equipment that is sensory friendly for special needs, and all children benefit
- The splash pad should be fully accessible to those in wheelchairs. The surfaces need to be smooth for those in walkers.
- A walking trail at the park, like a circuit would be beneficial

APPENDIX B - SPLASH PAD OPERATING COSTS COMPARISON

| | Flow-through System | Re-circulation System |
|-----------------------------|--|---|
| Wages | <p>The first year of operation for a Park Operator is estimated at \$4137.00 for start-up, shut down, and daily operation (1 hr. per day, plus 20 random hrs. = 140 hrs. @ \$29.55)</p> <p>For seasonal staff: \$3006 for daily site review/clean up. (1.5hrs/day, 120 days= 180 hrs. @ \$16.70)</p> <p>First-year training included with splash pad supplier.</p> | <p>First year of operation with a Park Operator is estimated at \$14,184 for start-up, shut-down and daily operation.(4hrs/day x 120 days x \$29.55/hr.)</p> <p>For seasonal staff: \$3006 for daily site review/clean up. (1.5hrs/day, 120 days= 180 hrs. @ \$16.70)</p> <p>First-year training included with splash pad supplier.</p> |
| Future Certification | <p>Not required for Flow-through system</p> <p>Future training costs are based on the requirement for other certification will be needed every 3 years</p> | <p>Future certification is estimated at \$3500</p> |
| Chemicals | <p>Chemicals are not required.</p> | <p>\$1,250</p> |
| Flow Rates | <p>Total Flow of 88 GPM (average 75-100) during any 4-minute cycle that the splash pad is activated, a maximum of 50% of the features will be on at any one time.</p> | <p>Total Flow of 88 GPM (average 75-100) during any 4-minute cycle that the splash pad is activated, a maximum of 50% of the features will be on at any one time.</p> |
| Water Supply Line | <p>Recommended 2" water supply line.</p> | <p>Recommended 5/8" water supply line.</p> |
| Meter rates | <p>Water Meter: Monthly base charge of \$94.28 x 12 months= \$1,131.36 annually.</p> | <p>Water Meter: Monthly base charge of \$15 x 12 months = \$180 annually.</p> |

Continued on next page...

| | | |
|----------------------------|---|--|
| Water Consumption | <p>Water Consumption: 9 hours x 60 minutes/hour = 540 minutes x 88 GPM = 47520 gallons per day.</p> <p>Assuming that the splash pad is activated 50% of the time (realistic if not high)= daily consumption of approximately 23760 gallons:</p> <p>23760 gallons/day x 120 days = 2,851,200 gallons or 10792 m³ (water rate \$1.05) = \$11331.60</p> | <p>Water Consumption: High Estimate (1-minute cycle): 15% of the water is refreshed every minute= 13.2 GPM x 540 minutes= 7128 gallons/29980 L.</p> <p>7,128 gallons/day x 120 days = 855360 gallons or 3238 m³ (water rate \$1.05) = \$3399.90</p> <p>Highest possible scenario with no inclement weather factored in: \$180 (base charge)+ \$3399.9(water consumption)= \$3579.90</p> <p>Low Estimate (1-day cycle): 15% of the water is refreshed once a day of the estimated 3,000-gallon tank = 450 gallons used a day x 120 days =54000 gallons or 204.4 m³ x (water rate \$1.05) = \$214.62</p> |
| | <p>Highest possible scenario with no inclement weather factored in: \$1,131.36 (base charge)+ \$11331.60 (water consumption) = \$12,462.96</p> | <p>Lowest possible scenario with no inclement weather factored in: \$180 (water meter) + \$214.62 (water consumption) = \$394.62</p> |
| Sewer | <p>Sanitary monthly base rate: \$127.28 X 12 = \$1,527.36</p> <p>\$1.37 cubic meter cost on water consumption of 10792 m³ = \$14,785.04</p> | <p>Sanitary monthly base rate: \$20.25 X 12 = \$243</p> <p>High Estimate: 15% of water is refreshed every minute = \$1.37 x 3238.m³ = \$4436.06</p> <p>Low Estimate: 15% of water is refreshed every day = \$1.37 x 204.4 m³ = \$214.62</p> |
| | <p>Highest possible scenario with no inclement weather factored in: \$1527.36 (base charge)+ \$14785.04 (per consumption) = \$16,312.4</p> | <p>Highest possible scenario with no inclement weather factored in: \$243 + \$4,436.06= \$4679.06</p> <p>Lowest possible scenario with no inclement weather factored in: \$243 + \$214.62 = \$457.62</p> |
| Electrical | <p>Minimal electrical consumption to open and close valves (\$300).</p> | <p>Moderate electrical consumption to operate a circulating pump, filtration pump and chemical controller (\$3,500).</p> |
| Repairs/Maintenance | <p>Activation buttons (up to \$800 each) and replacement valves (\$150-\$200 each).</p> | <p>Activation buttons (up to \$800 each), replacement valves (\$150-\$200 each), chemical controllers (\$1,500 each), chemical probes (\$500-\$700 each), and UV Lights (\$200-\$250 per bulb). Budget 4000/year after 3 years</p> |

Hanover Splash Pad Feasibility Study

Annualized Operational Costs for Flow Through System and Re-Circulation System

April 2023

| | Flow Through | Recirculating System | |
|--|--------------------------|--------------------------|--------------------------|
| | | Re-Fresh 15% per min | Re-Fresh 15% per day |
| Water | \$12,462.96 | \$3,579.90 | \$394.00 |
| Sewer | \$16,312.40 | \$4,679.00 | \$214.00 |
| Total Water/Sewer | \$28,775.36 | \$8,258.90 | \$608.00 |
| Wages (Seasonal) | \$3,006.00 | \$3,006.00 | \$3,006.00 |
| Wages (Permanent) | \$4,137.00 | \$14,184.00 | \$14,184.00 |
| Future Certification | | \$2,333.00 ⁴ | \$2,333.00 ⁴ |
| Electrical | \$300.00 | \$3,500.00 | \$3,500.00 |
| Chemicals | \$0.00 | \$1,250.00 | \$1,250.00 |
| Repairs, Maintenance | \$1,000.00 | \$4,000.00 | \$4,000.00 |
| Insurance / Vandalism | \$5,000.00 | \$5,000.00 | \$5,000.00 |
| Total Yearly Department Costs | \$13,443.00 | \$33,273.00 | \$33,273.00 |
| Contribution for Asset Replacement | \$13,952.21 ¹ | \$23,253.68 ² | \$23,253.68 ² |
| Total Yearly: | \$56,170.57 | \$64,785.58 | \$57,134.68 |
| 20 year Operational Cost | \$1,123,411.39 | \$1,295,711.64 | \$1,142,693.64 |
| Capital Replacement during 20 year cycle | \$0.00 | \$75,000.00 ³ | \$75,000.00 ³ |
| | \$1,123,411.39 | \$1,370,711.64 | \$1,217,693.64 |
| Annualized Operational Cost | \$56,170.57 | \$68,535.58 | \$60,884.68 |

Notes:

1. Assume a replacement cost of \$279,044 (\$150,000 with 3% yearly inflation over 20 yrs)
2. Assume a replacement cost of \$465,073 (\$250,000 with 3% yearly inflation over 20 yrs)
3. Assume one pump replacement within 20 years of operation.
4. Assume re-certification required every 3 years at approx \$7000 per year. (\$2333/yr)

**APPENDIX C - HANOVER CENTRE OF EXCELLENCE (COE) PARK MASTERPLAN
BUDGET ESTIMATE - CONCEPT A**

| Projects | Items | Phasing*: | | | Budget Estimate |
|-----------------------------------|--|-----------|-----|------|-------------------|
| | | Short | Mid | Long | |
| Main Entrance Enhancements | Planting | 1 | | | \$ 15,000 |
| | Park Identification Signage | 1 | | | \$ 5,000 |
| Crosswalk Connection | pavement marking | 1 | | | \$ 3,000 |
| | Warning light / signage | 1 | | | \$ 12,000 |
| Splash Pad**** | Splash Pad | 1 | | | \$ 200,000 |
| | Amenities and Furnishings | 1 | | | \$ 136,000 |
| Stairs existing | Handrail | 1 | | | \$ 2,500 |
| | Resurface path to and from (upper, lower) | 1 | | | \$ 1,000 |
| Playgrounds | Remove independant play areas | 1 | | | \$ 10,000 |
| Playground Access Ramp (existing) | Re-surface with accessible surfacing | 1 | | | \$ 4,400 |
| Disc Golf Course | No associated capital costs | 1 | | | |
| Exercise stations**** | Budget - Phase 1 x 4 stations | 1 | | | \$ 27,000 |
| Trails**** | Limestone screening surfacing (300 lin. m) | 1 | | | \$ 12,000 |
| Site Furnishings, Wayfinding | benches, waste receptacles, bike racks, bike maintenance station etc | 1 | | | \$ 20,000 |
| Lighting **** | Phase 1 - 4 parking lot light standards | 1 | | | \$ 60,000 |
| Site Servicing | incudes parking repair | | | | \$ 215,000 |
| Sub-total, Phase 1 | | | | | \$ 722,900 |
| professional fees*** | | | | | \$ 97,592 |
| SVCA Fees**** | | | | | \$ 4,000 |
| \$ | | | | | 824,492 |
| contingency** | | | | | \$ 41,225 |
| sub-total, Phase 1 | | | | | \$ 865,716 |

Continued on next page...

| | | | | | |
|--|---|--|---|--|------------|
| Upper Parking Lot | Planting | | 2 | | \$ 10,000 |
| Hanover Youth Centre Lot | Planting | | 2 | | \$ 10,000 |
| Relocated Parking Lot**** | Relocated Parking Lot | | 2 | | \$ 32,000 |
| Ramp**** | remove existing concrete steps; install accessible ramp, with hand rail | | 2 | | \$ 12,800 |
| Skatepark**** | Retaining wall/buffer treatment re. splash pad | | 2 | | \$ 20,000 |
| Campground Washrooms**** | Upgrades to interior facilities, access ramp | | 2 | | \$ 50,000 |
| Pavilion**** | Plaza area paving | | 2 | | \$ 81,250 |
| | Planters (x10) | | 2 | | \$ 5,000 |
| Basket Ball Court (20m x 10m)**** | Resurfacing | | 2 | | \$ 22,000 |
| | Fencing adjustments | | 2 | | \$ 12,000 |
| Playgrounds**** | New Playground (\$150,000 - \$400,000) | | 2 | | \$ 300,000 |
| | Shade Trees | | 2 | | \$ 10,000 |
| Trails**** | Limestone screening surfacing (925 lin.m) | | 2 | | \$ 31,800 |
| Canoe/Kayak Launch**** | River access ramp | | 2 | | \$ 10,000 |
| Additional Riverside Parking and Round-About**** | Asphalt surfacing | | 2 | | \$ 25,600 |
| Exercise stations or single exercise area**** | Budget - Phase 2 x3 stations | | 2 | | \$ 27,000 |
| Lighting**** | Phase 2 - 4 parking lot light standards | | 2 | | \$ 60,000 |
| Site Furnishings, Wayfinding | benches, waste receptacles, bike racks, bike maintenance station etc | | 2 | | \$ 20,000 |

| | |
|----------------------|-------------------|
| projects, Phase 2 | \$ 739,450 |
| professional fees*** | \$ 99,826 |
| SVCA Fees**** | \$ 12,000 |
| | <u>\$ 851,276</u> |
| contingency** | \$ 42,564 |
| sub-total, Phase 2 | \$ 893,840 |

Continued on next page...

| | | | | | |
|--|--|--|--|---|---------------|
| Boardwalk**** | | | | 3 | \$ 52,000.00 |
| Skatepark**** | Re-surfacing (concrete); new components; range 175,000- 300,000 | | | 3 | \$ 300,000.00 |
| Pavilion | Pavilion upgrades - tbd | | | 3 | tdb |
| Stage and Ampitheatre**** | Armour stone seating, open stage area | | | 3 | \$ 18,500 |
| Trails**** | Lookouts (x3) | | | 3 | \$ 15,000 |
| Exercise stations**** | Budget - Phase 3 x2 stations | | | 3 | \$ 18,000 |
| Obstacle Course / Alternative Play**** | Budget 100,000 - 150,000 | | | 3 | \$ 125,000 |
| Lighting **** | Phase 3 - 2 parking lot light standards | | | 3 | \$ 30,000 |
| Site Furnishings, Wayfinding | benches, waste receptacles, bike racks, bike maintenance station etc | | | 3 | \$ 20,000 |

| | |
|-----------------------------|-------------------|
| Sub-total, Phase 3 | \$ 578,500 |
| professional fees*** | \$ 78,098 |
| SVCA Fees**** | \$ 7,000 |
| | \$ 663,598 |
| Contingency** | \$ 33,180 |
| sub-total, Phase 3 | \$ 696,777 |

Grand Total, Concept A \$ 2,456,333

Notes:

1. Budget estimate based on Master Plan Concepts prepared for the Town of Hanover Splash Pad and Centre of Excellence Feasibility Study. Further programming (based on wants and needs) engineering review, style guide and landscape detailing required for more accurate budget estimates.
2. *Phasing for short (1-2 years) medium (3-5 years) and long (over 5 years) terms based on anticipated priorities; to be reviewed by the PRC Advisory Committee and Town Staff moving forward.
3. **Contingency: to serve unknowns, inflation, price variations, etc. 5%
4. *** Professional Fees: Detailed Landscape Design, Construction Drawings, Engineering (re SVCA requirements,

**APPENDIX D - HANOVER CENTRE OF EXCELLENCE (COE) PARK MASTERPLAN
BUDGET ESTIMATE - CONCEPT B**

| Capital Projects | Items | Phasing*: | | | Budget Estimate |
|-----------------------------------|--|-----------|-----|------|-------------------|
| | | Short | Mid | Long | |
| Main Entrance Enhancements | Planting | 1 | | | \$ 15,000 |
| | Park Identification Signage | 1 | | | \$ 5,000 |
| Crosswalk Connection | Pavement marking | 1 | | | \$ 3,000 |
| | Warning light / signage | 1 | | | \$ 12,000 |
| Splash Pad**** | Splash Pad | 1 | | | \$ 200,000 |
| | Amenities and Furnishings | 1 | | | \$ 136,000 |
| Stairs existing | Handrail | 1 | | | \$ 2,500 |
| | Resurface path to and from (upper, lower) | 1 | | | \$ 1,000 |
| Playgrounds**** | Remove independant play areas | 1 | | | \$ 10,000 |
| Playground Access Ramp (existing) | Re-surface with accessible surfacing | 1 | | | \$ 4,400 |
| Disc Golf Course | No associated capital costs | 1 | | | |
| Exercise Area**** | | 1 | | | \$ 64,000 |
| Trails**** | Limestone screening surfacing (300 lin. m) | 1 | | | \$ 12,000 |
| Site Furnishings, Wayfinding | Benches, waste receptacles, bike racks, bike maintenance station etc | 1 | | | \$ 20,000 |
| Lighting**** | Phase 1 - 4 parking lot light standards | 1 | | | \$ 60,000 |
| Site Servicing | includes associated parking repair | | | | \$ 215,000 |
| Sub-total, Phase 1 | | | | | \$ 759,900 |
| professional fees*** | | | | | \$ 102,587 |
| SVCA Fees**** | | | | | \$ 5,000 |
| | | | | | \$ 867,487 |
| contingency** | | | | | \$ 43,374 |
| sub-total, Phase 1 | | | | | \$ 910,861 |

Continued on next page...

| | | | | | |
|--|---|--|---|--|------------|
| Upper Parking Lot | Planting | | 2 | | \$ 10,000 |
| Hanover Youth Centre Lot | Planting | | 2 | | \$ 10,000 |
| Relocated Parking Lot**** | Relocated Parking Lot | | 2 | | \$ 32,000 |
| Ramp | Remove existing concrete steps; install accessible ramp, with hand rail | | 2 | | \$ 12,800 |
| Skatepark**** | Retaining wall/buffer treatment re. splash pad | | 2 | | \$ 20,000 |
| Campground Washrooms**** | Upgrades to interior facilities, access ramp | | 2 | | \$ 50,000 |
| Pavilion**** | Plaza area paving | | 2 | | \$ 81,250 |
| | Planters (x10) | | 2 | | \$ 5,000 |
| Basket Ball Court (20m x 10m)**** | Resurfacing | | 2 | | \$ 22,000 |
| | Fencing adjustments | | 2 | | \$ 12,000 |
| Playgrounds**** | New Playground (\$150,000 - \$400,000) | | 2 | | \$ 300,000 |
| | Shade Trees | | 2 | | \$ 10,000 |
| Trails**** | Limestone screening surfacing (1225 lin.m) | | 2 | | \$ 49,000 |
| Canoe/Kayak Launch**** | River access ramp | | 2 | | \$ 10,000 |
| Additional Riverside Parking and Round-About**** | Asphalt surfacing | | 2 | | \$ 33,600 |
| Lighting **** | Phase 2 - 4 parking lot light standards | | 2 | | \$ 60,000 |
| Site Furnishings, Wayfinding | benches, waste receptacles, bike racks, bike maintenance station etc | | 2 | | \$ 20,000 |

| | |
|-----------------------------|---------------------|
| Sub-total, Phase 2 | \$ 737,650 |
| professional fees*** | \$ 99,583 |
| SVCA Fees**** | \$ 9,000 |
| | \$ 846,233 |
| contingency** | \$ 42,311.64 |
| sub-total, Phase 2 | \$ 888,544 |

Continued on next page...

| | | | | | |
|---------------------------------------|--|--|--|---|---------------|
| Skatepark**** | Re-surfacing (concrete); new components; range 175,000- 300,000 | | | 3 | \$ 300,000.00 |
| Pavilion | Pavilion upgrades - tbd | | | 3 | tbd |
| Stage and Ampitheatre**** | Armour stone seating, open stage area | | | 3 | \$ 18,500 |
| Trails**** | Lookouts (x3) | | | 3 | \$ 15,000 |
| Obstacle Course / Alternative Play ** | Budget 100,000 - 150,000 | | | 3 | \$ 125,000 |
| Lighting **** | Phase 3 - 2 parking lot light standards | | | 3 | \$ 30,000 |
| Site Furnishings, Wayfinding | Benches, waste receptacles, bike racks, bike maintenance station etc | | | 3 | \$ 20,000 |

| | |
|-----------------------------|-------------------|
| Sub-total, Phase 3 | \$ 508,500 |
| professional fees*** | \$ 68,648 |
| SVCA Fees**** | \$ 4,000 |
| | \$ 581,148 |
| contingency** | \$ 29,057 |
| sub-total, Phase 3 | \$ 610,205 |

Grand Total, Concept B \$ 2,409,610

Notes:

1. Budget estimate based on Master Plan Concepts prepared for the Town of Hanover Splash Pad and Centre of Excellence Feasibility Study. Further programming (based on wants and needs) engineering review, style guide and landscape detailing required for more accurate budget estimates.
2. *Phasing for short (1-2 years) medium (3-5 years) and long (over 5 years) terms based on anticipated priorities; to be reviewed by the PRC Advisory Committee and Town Staff moving forward.
3. **Contingency: to serve unknowns, inflation, price variations, etc. 5%
4. *** Professional Fees: Detailed Landscape Design, Construction Drawings, Engineering (re SVCA requirements, geotechnical, structural, electrical, civil) 13.5% estimated budget
5. Estimated SVCA fees are based on number of potential individual project applications per phase.