



City of Bethlehem
Comprehensive Parks & Pools Study

CITY OF BETHLEHEM

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2017

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INTRODUCTION

The City of Bethlehem is home to 75,000 residents and nearly 40 named parks. The City recognizes that many of these parks are showing signs of neglect. Depression era Works Progress Administration (WPA) walls and buildings are crumbling. Play equipment is outdated and safety surfaces are missing. Americans with Disabilities Act (ADA) compliance is far from being realized. Pools, pool equipment and components are well past their useful life. The City is looking towards renovating and updating a beautiful but aging park infrastructure to be able to provide outdoor recreation as one of the City of Bethlehem's multiple benefits and to breathe new life into facilities that lack imagination. This plan, and its recommendations, are the beginning of that effort.

The City of Bethlehem has been rated as the number one most affordable city in Pennsylvania in 2016 by Livability.com for reasonable home prices, low crime rates, a strong economy, multiple educational institutions, historic districts and numerous festivals. Outdoor recreation, a top quality of life indicator, does not appear on the list of Bethlehem's assets. A strong parks system and outdoor recreation opportunities are essential to any municipality seeking to provide a "great place to live" for residents and visitors. Bethlehem's leadership recognizes that parks and recreation contribute greatly to quality of life and have decided to examine the City's parks, recreation offerings, and operations, to determine what, where and how improvements can be made.

The City park system is made up of many neighborhood and community parks, dotted throughout the city. Bethlehem's parks offer a beautiful blending of active and passive recreational opportunities. Several large tree lined parks in the City generate a feeling of stepping back in time showcasing historic stone walls, pavilions, fire places and buildings constructed by the WPA program from 1936 to 1943. Stone retaining walls line the banks of the Monocacy Creek in Illicks Mill and Johnston Parks, and Saucon Creek in Saucon Park. Towering stone walls with sharply stepped embankments edge the Lehigh River at Sand Island West, a riverfront park. Numerous historical monuments and memorials dating back to the Civil War can be found in the Rose Garden Park, including a row of Sycamore Trees that were dedicated to the City in 1932.

The City maintains several miles of recreational trails. Monocacy Way and the South Bethlehem Greenway form the beginnings of a trail system connecting numerous parks and cultural venues in the City. The D&L trail, part of the Delaware and Lehigh National Heritage Corridor, runs through Bethlehem at Sand Island Park. The City wrote a trail feasibility study in 2015 to expand and improve the trail network within and to points outside of the City.

Unique venues in Bethlehem's parks draw visitors from the surrounding region. The band shell at Rose Garden Park and the Charles Brown Ice House at Sand Island host musical and theatrical events throughout the year. Bethlehem's municipal golf course has received a 4 star rating by Golf Digest. The outdoor ice rink at Monocacy Park is the only open air ice rink in the Lehigh Valley and boasts exceptional quality ice and rental skates. The City owns and operates five municipal pools located in larger park settings, each with their own bath houses. Unique garden features include the Rose Garden and two urban gardens, the Sculpture Garden and the Japanese Serenity Garden at the City Hall Complex. The Japanese Serenity Garden was donated to Bethlehem by their sister city in Japan, Tondabayashi. The City needs to capitalize on the unique venues it provides, renovate park facilities and build connections to improve quality of life in Bethlehem .

CITY OF BETHLEHEM

I. PURPOSE

The intent of the study is to provide a detailed and honest evaluation of current conditions of recreation lands, recreation facilities, buildings and pools, stormwater management and environmental responsibility practices, recreation programming as well as park maintenance and operations.

The study was initiated to address the following needs:

- Examine Bethlehem’s parks in terms of operations and facility offerings with an eye towards ensuring that the parks as a system contribute towards making the City a great place to live.
- To create a plan to rehabilitate and update Bethlehem’s park system to reflect and meet the needs of residents as the population of the City changes and grows.
- To ensure that recreational opportunities for residents of all ages, abilities, ethnicities and income levels are available in the City of Bethlehem and that all residents have access to information regarding programs.
- To identify and plan for the protection of sensitive natural and cultural resources in the City’s parks.
- To identify ways to promote the physical, environmental and financial sustainability of Bethlehem’s parks now and into the future.

II. CATEGORIES OF ANALYSIS

To assess the facilities and performance of the Bethlehem’s management of parks and recreation, the City was measured against other municipalities with similar budgets, populations and with similar seasonal influences. Five categories for comparison were determined based on park data compiled by the National Recreation and Parks Association (NRPA) and priorities established by the City of Bethlehem. The five categories are referenced in the data analysis and recommendations sections of this report.

The five categories are: Available Recreation Land, Environment and Stormwater Management, Recreation Facilities, Buildings and Pools, Programming, and lastly, Maintenance and Operations. The study will answer questions in all five categories.



A. AVAILABLE RECREATION LAND

Does the city provide safe and reliable access to recreation lands equally across in all city neighborhoods?

Does the city provide access to an adequate number of both active and passive recreational opportunities for residents and visitors?

Does the city provide adequate aquatic facilities to meet current demands and trends, and are the facilities provided financially sustainable?

If parks programs and facilities are not well attended is this due to quality of facilities, lack of access or a demographic shift?

What action might be taken to revitalize a park that is not visited?

Can the City financially sustain the number of parks and the miles of trail it currently maintains?

B. ENVIRONMENT AND STORMWATER MANAGEMENT

Is the City managing park land in an environmentally responsible way?

Are riparian corridors, woodlands and wildlife habitats being protected?

What improvements could be made to reduce stormwater runoff, manage stormwater naturally, and provide an educational public benefit?

C. RECREATIONAL FACILITIES, BUILDINGS AND POOLS

Are park amenities and play equipment offerings up to current standards for accessibility and safety? Are the facilities meeting the needs of the population? Are amenities and play equipment being updated to address recreation trends?

Are the neighborhood parks across all four city neighborhoods managed and maintained equitably, or are some parks given extra attention because they are in more affluent neighborhoods?

Do the neighborhood parks in any of the four City neighborhoods work together to provide free and safe access to parks for the elderly, the handicapped, young adults, families and minority populations?

Are park buildings structurally safe and accessible for both residents and city employees?

Are all of the buildings in the City's parks sustainable? Would it be more cost effective to remove or replace buildings that are no longer utilized and do not have historical value?

Are the City's pools structurally safe and accessible for residents and visitors? Can the City financially sustain 5 pools? Would it be more cost effective to close some pools and install splash pads?

D. PROGRAMMING

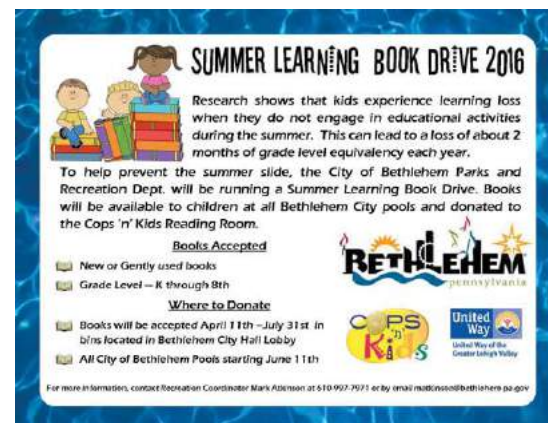
Is the City providing programs to reach all sectors of the population including seniors, the economically disadvantaged, older youth who do not participate in organized sports, and young families?

Does the City have adequately trained staff to stay up to date on programming trends and the ability to develop trends into programs for Bethlehem residents?

E. MAINTENANCE AND OPERATIONS

Does the city have adequately trained staff to provide for recreation and parks needs across all departments, including Administration, Operations, Programming and Maintenance?

Is technology up to date at park facilities to satisfy user needs and to provide a means to efficiently collect visitor data?



CITY OF BETHLEHEM

Does the City have the technology in place to effectively market park and recreation offerings?

Does the City have the technology and personnel in place to effectively reach out to the public with information concerning available programs for residents?

Are there other funding options available to the City that would provide a sustainable source of revenue for maintenance and improvements beyond programming fees and tax revenues?

III. FORMAT OF THE PLAN

This report is divided into three sections:

A. EXISTING CONDITIONS

The first section of this report will review and evaluate the existing condition of site amenities, access, play equipment, buildings and pools in Bethlehem's parks. Each of the four City neighborhoods; Central, North East, South and West, will be evaluated in terms of current demographics, neighborhood and community park offerings with related buildings and pools included as a part of the park in which they are located.

B. DEMOGRAPHICS AND RECREATION TRENDS

The second section will review current City-wide demographic, economic and socio-economic data. Current national recreation agency, recreation participation and aquatic trends will be reviewed. Current recreation and aquatic standards will be used to compare how City of Bethlehem parks and recreation compares to agencies with a similar budget and population. Four categories of analysis will be; Available Recreation Land, Recreation Facilities, Buildings and Pools, Programming, as well as Maintenance and Operations.

The fifth category of analysis, Environment and Stormwater Management is evaluated based on consultant expertise in the subject and will not appear in Section B. Stormwater management is site specific and not suited for comparison. This category will be reviewed in the needs and recommendations section of the report.

C. IDENTIFIED NEEDS, RECOMMENDATIONS AND ANTICIPATED COSTS


The third section of the report uses the collected existing conditions data, demographics, recreation trends and comparisons to identify what the city's needs are across the five categories previously established. Departmental goals, fiscal constraints and public comment will further define recreation and facility needs. These identified needs are then refined to establish clear and defined goals. Goals are then used to formulate recommendations, or actions necessary to achieve the purpose of the plan and meet the needs of the recreation department. The recommendations were classified by the City as short, intermediate or long term actions.


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Parks and Pools


Neighborhood Parks




- 1. Bayard Park
- 2. Bernie Fritz Park
- 3. Clearview Park
- 4. Elmwood Park
- 5. Fairview Park
- 6. Friendship Park
- 8. Higbee Park
- 10. Johnston Park
- 11. King's Mansion Park
- 12. L. G. Stewart Park
- 13. Madison Park
- 14. Martin Luther King Jr Park
- 15. McNamara Park
- 17. Northdale Park
- 18. Parham Park
- 19. Enix Park
- 20. Rockland Park
- 21. Rose Garden
- 24. Sell Field
- 25. South Bethlehem Greenway
- 27. Ullman Park
- 28. Triangle Park
- 29. West Side Park
- 30. Yellis Tract
- 31. Yosko Park



 **Neighborhood Parks Service Area**
(1/4 to 1/2 mile radius shown)




County Owned Parks
 7. Gertrude B. Fox Park



Community Parks
 9. Illicks Mill Park
 16. Monocacy Park
 22. Sand Island Park
 23. Saucon Park
 26. South Mountain

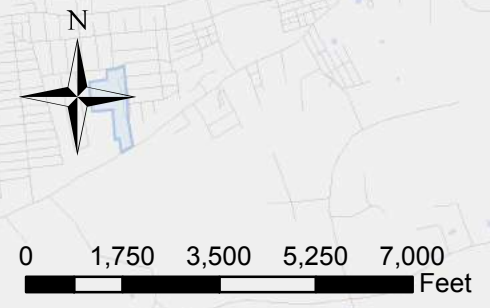
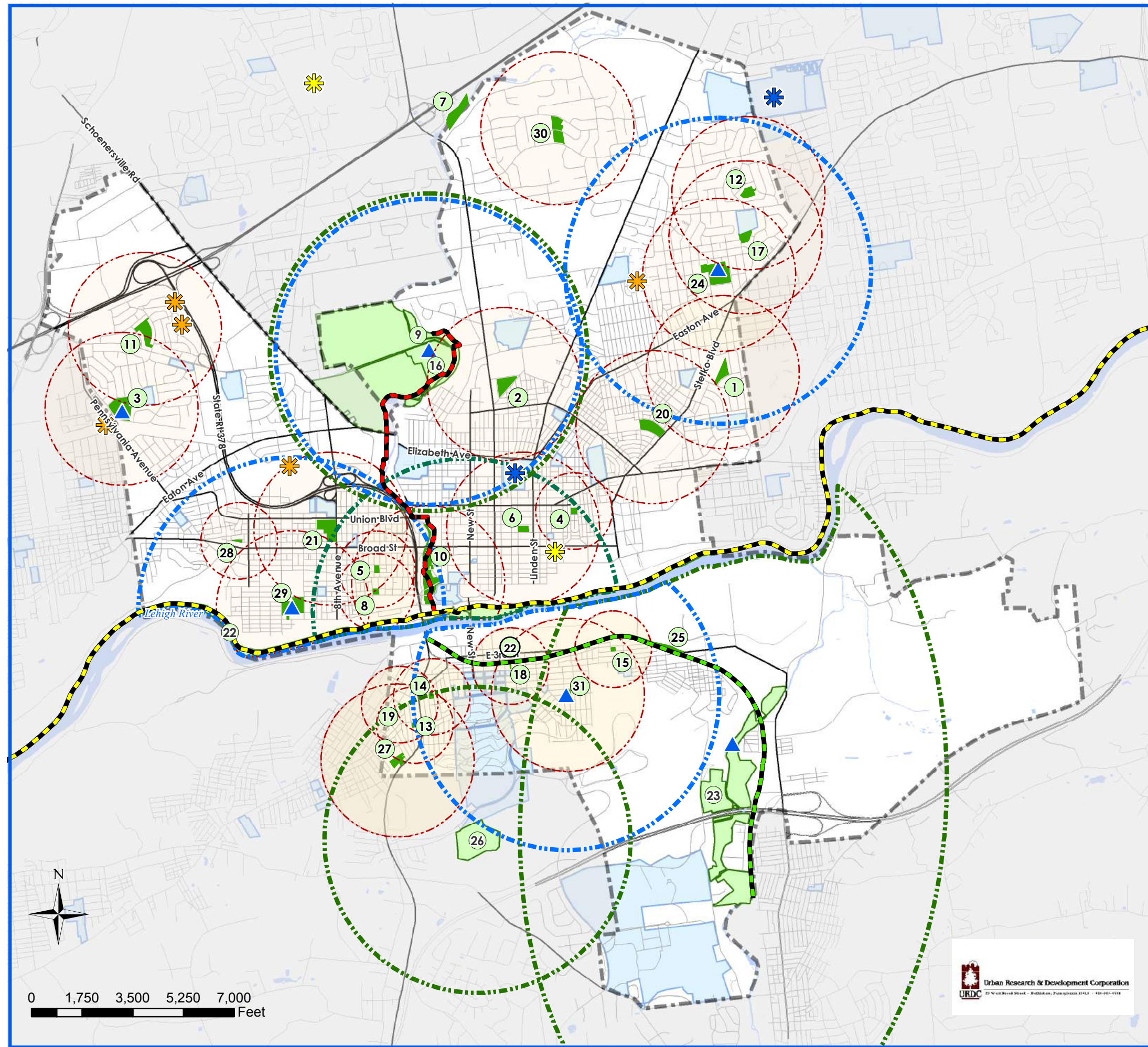
 **Community Parks Service Area**
(1 mile radius shown)

Trails
 Delaware & Lehigh Trail
 Monocacy Way
 South Bethlehem Greenway Trail

Aquatic Facilities
 Municipal Pools
 **Municipal Pool Service Area**
(1 mile radius shown)

Non-Municipal Pools
 Outdoor
 Indoor
 School

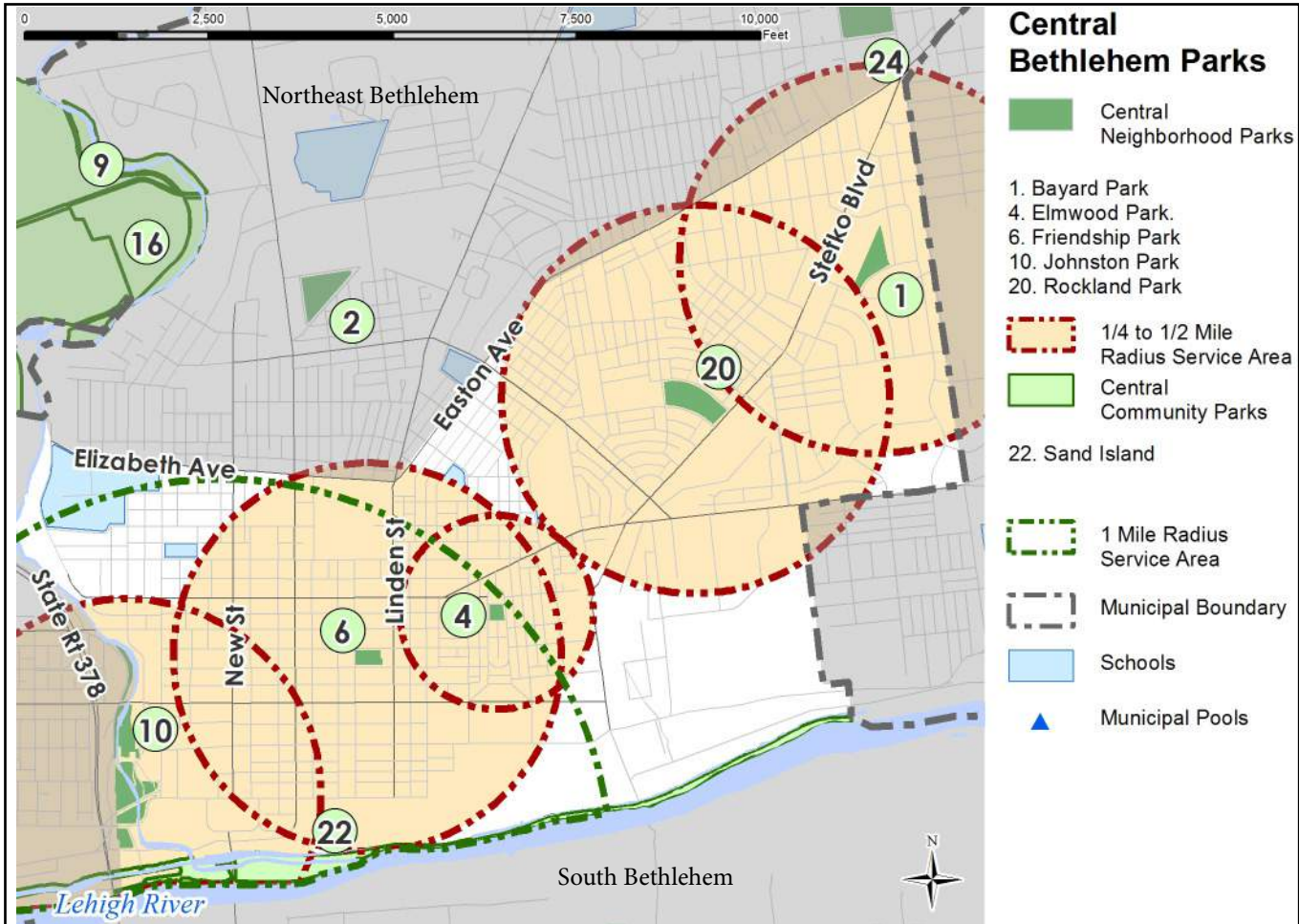
Other
 Schools
 Municipal Boundary





Existing Conditions
Central Bethlehem Parks & Pools

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Central Bethlehem Neighborhood Parks:

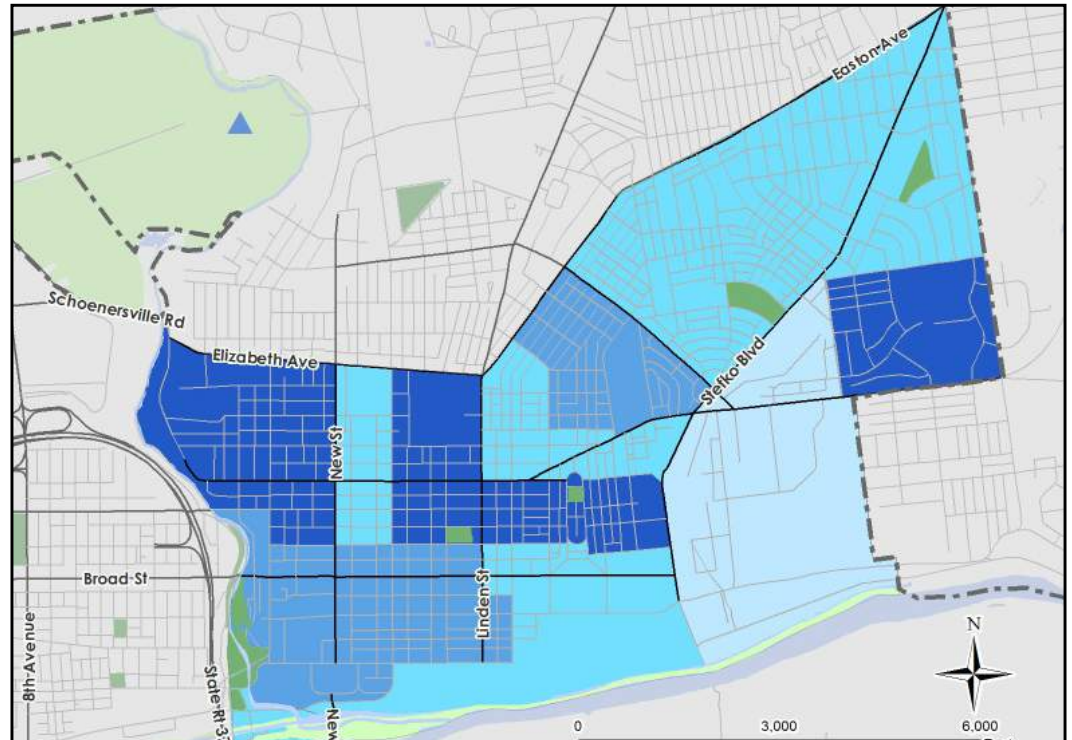
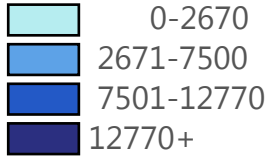
Bayard
Elmwood
Friendship
Johnston
Rockland

Central Bethlehem Community Parks:

Sand Island

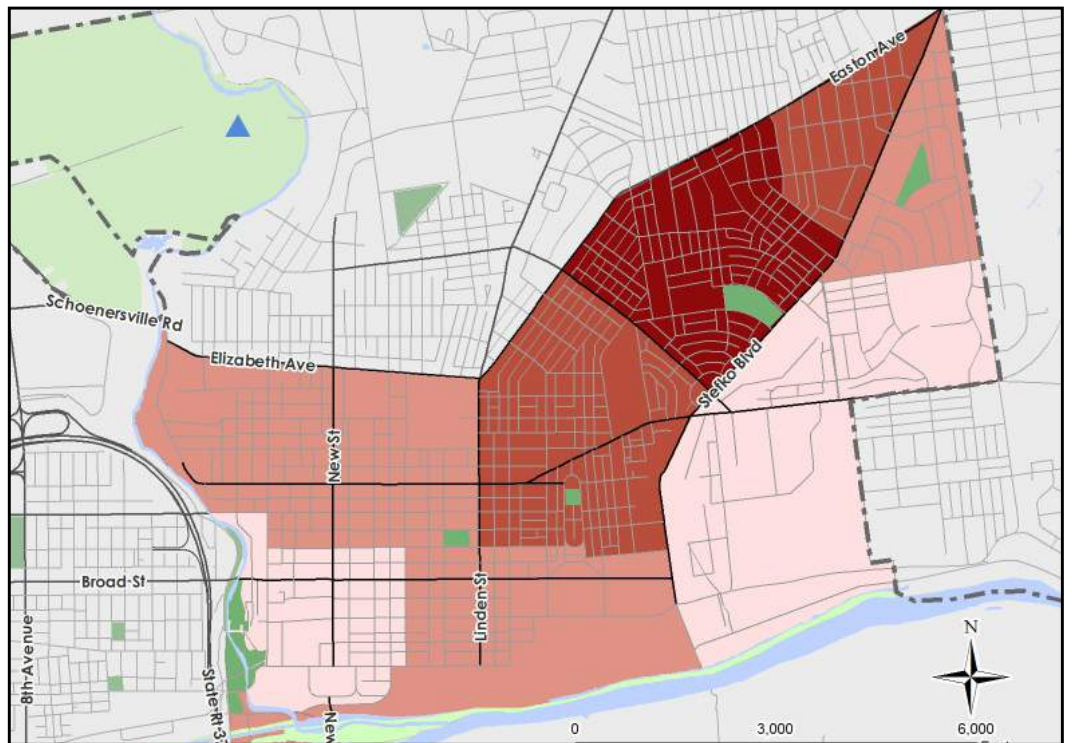
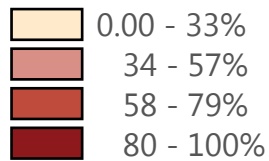
Central Bethlehem
POPULATION PER SQUARE MILE

LEGEND



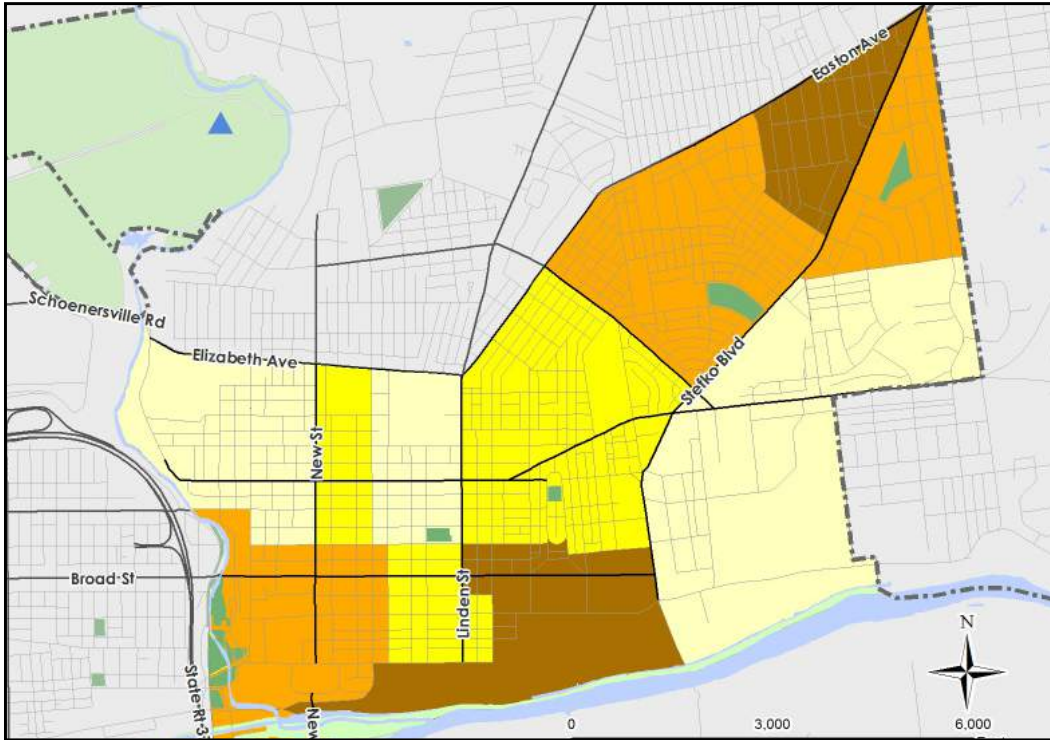
Central Bethlehem
PERCENTAGE OWNER-OCCUPIED

LEGEND



CITY OF BETHLEHEM

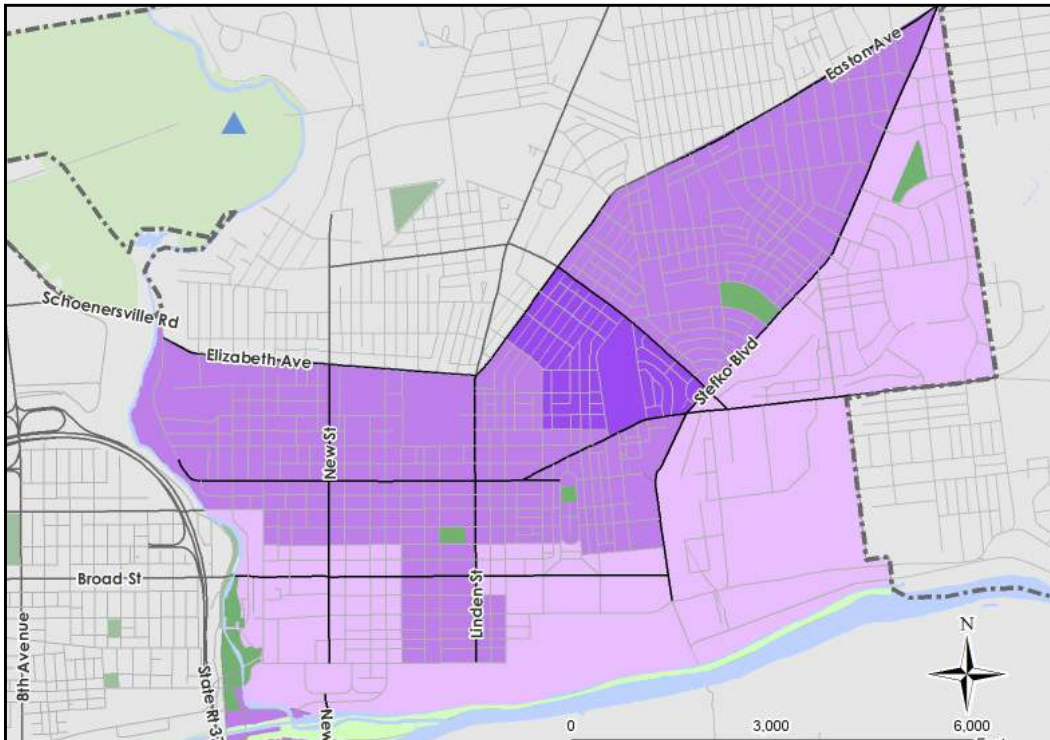
Central Bethlehem MEDIAN AGE



LEGEND

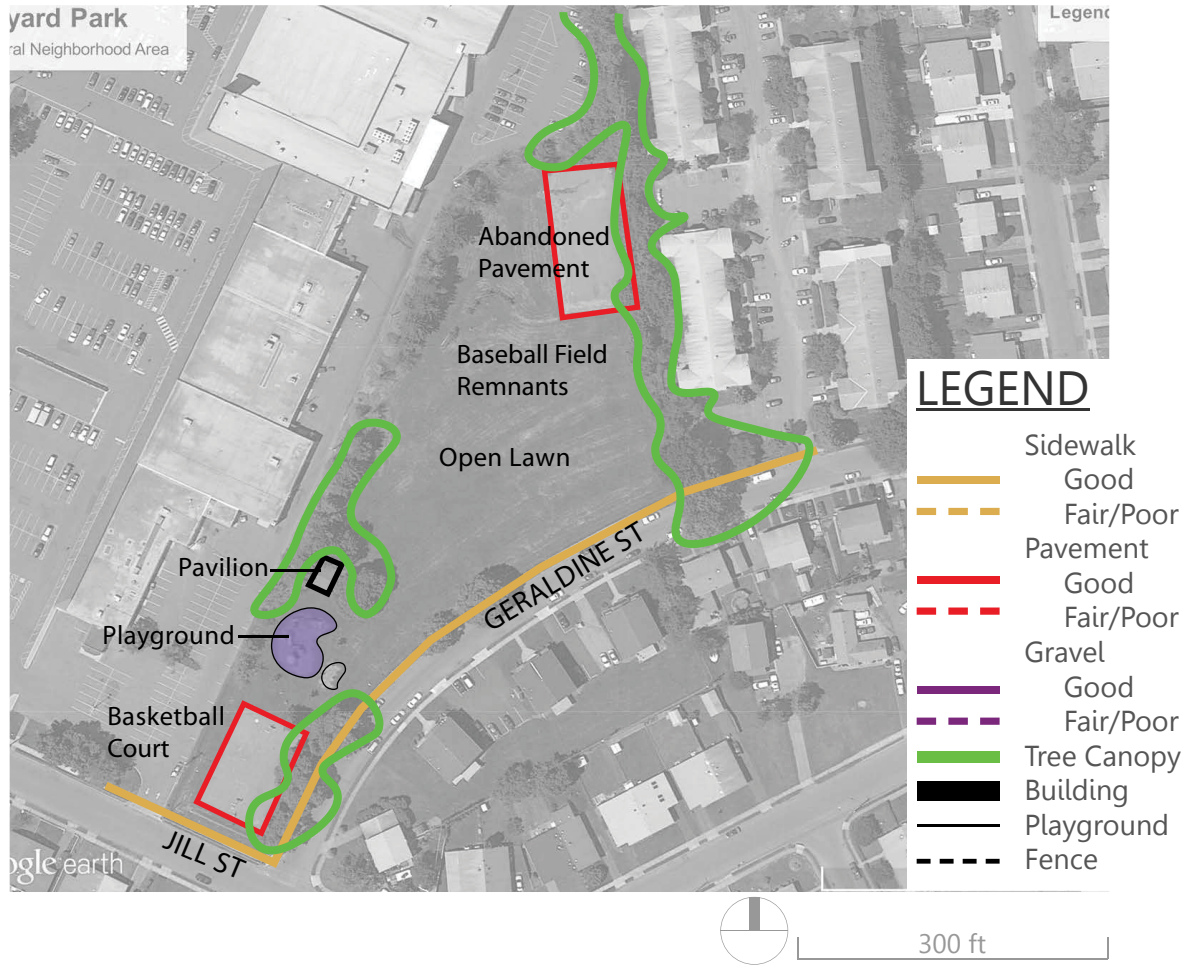
- 16 - 32
- 33 - 42
- 43 - 57
- 57+

Central Bethlehem MEDIAN INCOME



LEGEND

- \$11.2k - 37.7k
- \$37.8k - 58k
- \$58.1k - 80.7k
- \$87.k+



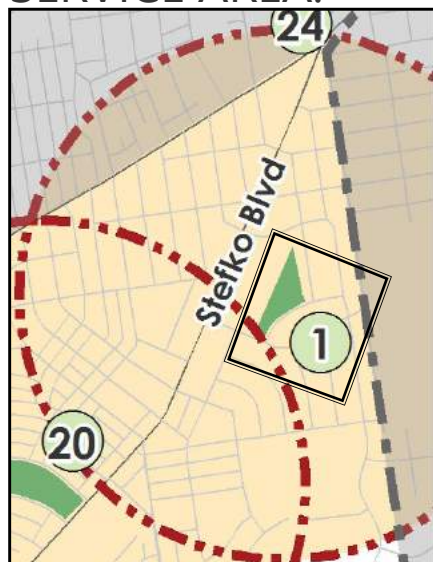
DESCRIPTION:

Geraldine and Jill Streets
 Neighborhood Park
 Land Use:

Total Acreage:	3.20 acres
Paved Area	0.21 acres
Gravel Paths	0.00 acres
Lawn Area	2.06 acres
Tree Canopy	0.75 acres

Topography: Level to Nearly Level <5%
 Service Area: .25-.50 Miles

SERVICE AREA:



BAYARD PARK

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ACTIVE FACILITIES				
BAYARD PARK	Qty	Materials	1-3 Rating	Comments
PLAY EQUIPMENT				
Modular	1	Metal/Plastics	1	Plastics Faded, Slide Vandalized
Swings	1	Metal U frame	1	2 Bays, Rusty Frame, Bent
Swing Seats	4	Rubber	2	1 Toddler, 2 Sling, 1 Bench
Spring Toys	0	Plastic/Metal		Faded, Rusty Springs
TENNIS COURTS	0			
BASKETBALL COURTS	1	Bituminous	1	Not Coated. Nets, Boards Fair
HANDBALL COURT	1	Wood	2	
POOL/SPLASH PAD	0			
PASSIVE FACILITIES				
PATHWAYS	0			
PAVILION	1	Brick/Shingle Roof	2	Crushed Stone Base, Table Chained
COMMUNITY GARDENS	0			
VOLUNTEER GARDENS	0			
BUILDINGS	0			
SUPPORT FACILITIES				
BENCHES	3	2-Concrete/Wood	2	1 Plastic Coated Bench-Good
PICNIC TABLES	2	Plastic coated	2	Chained to Pole, Vandalized
FENCE	Yes	Rusty Chain Link	1	Remnants of Ball Field Fence
	70 LF	Chain Link	2	At Basketball Court
SIGNS				
Playground Rules	1	Plastic	1	Broken near Post Connection
Park ID	0			
Adopt A Park / Funding	2	Aluminum	3	Bethlehem Rotary
Dogs	0			
TRASH				
Receptacles / Barrels	1	Decorative Black	3	New
	2	Plastic	2	Unattractive
Recycle Bins	0			
MEMORIALS				
DRINKING FOUNTAINS	0	Rusty Metal Post	1	No Fountain. Just Post
PARK LIGHTING	1	On Street Light Pole	3	



View of Bayard Park from Jill Street. Faded condition of play equipment & basketball courts projects feeling of neglect.

12 EXISTING CONDITIONS

Comprehensive Parks & Pools Study

ACCESS			
BAYARD PARK	Y/N	Comments	
VEHICLE ACCESS	No		
PARKING			
Handicapped	No		
On-Street	Yes	Hawthorne St and Dellwood St	
Internal	No		
MAINTENANCE ACCESS	Yes	Fence Gap in Alley	
PEDESTRIAN ACCESS			
ADA to Park	Yes	Entry in Alley, Sidewalk Fence Gaps too Narrow, or Steps	
Crosswalks	No		
ADA To Facilities	Yes	To Paved Surface Activities	
SAFETY			
Cameras	No		
Vandalism	Yes	Cracked Slide	
VEGETATION			
Invasives/Noxious	Yes	Weedy mulch	
Existing Trees	Yes	Street Trees Shade this Park	
New Trees	Yes	Planted Spring 2016	
RECREATION OPPORTUNITIES WITHIN 1 MILE			
Lincoln Elementary School		0.4 Miles	Public - Beth. Area School District
Marvine Elementary School		0.5 Miles	Public - Beth. Area School District
Boys Club of Bethlehem		0.7 Miles	Private
NE Ministries		0.8 Miles	Private
Rockland Park		0.8 Miles	Public - City of Bethlehem
Freemansburg Muni Park		0.9 Miles	Public - Freemansburg Borough
D&L TRAIL		1.4 Miles	Public - Freemansburg Borough



Basketball nets in poor condition. Faded lines on courts.

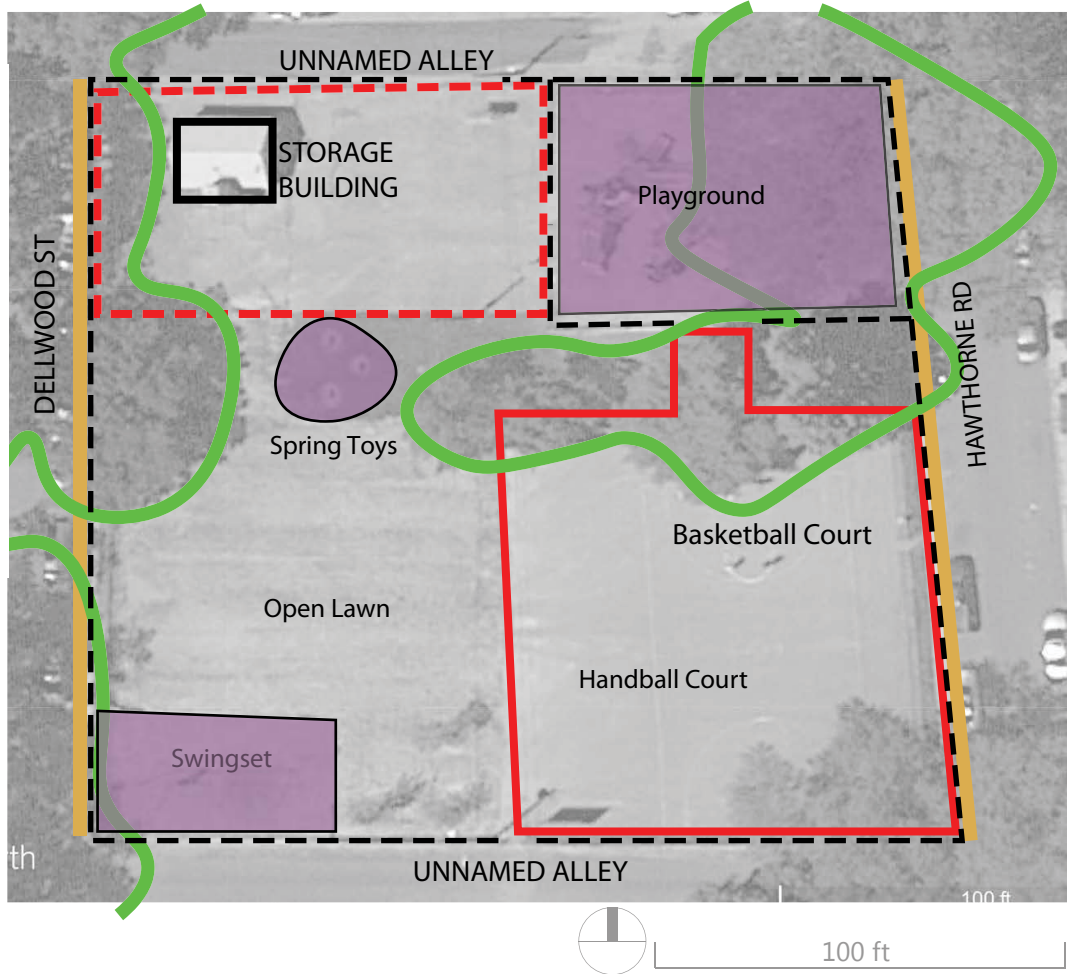


Faded modular play equipment, peeling paint on swings. Mulch beds better than average for city parks. No ADA access to park.

CITY OF BETHLEHEM

LEGEND

- Sidewalk
 - Good
 - - - Fair/Poor
- Pavement
 - Good
 - - - Fair/Poor
- Gravel
 - Good
 - - - Fair/Poor
- Tree Canopy
 - Good
 - - - Fair/Poor
- Building
 - Building
 - - - Playground
 - - - Fence



ELMWOOD PARK

DESCRIPTION:

Hawthorne and Dellwood Streets
Neighborhood Park

Land Use:

Total Acreage:	1.00 acre
Paved Area	0.45 acres
Gravel Paths	0.00 acres
Lawn Area	0.24 acres
Tree Canopy	0.13 acres

Topography: Level to Nearly Level <5%

Service Area: .25-.50 Miles

SERVICE AREA:



Comprehensive Parks & Pools Study

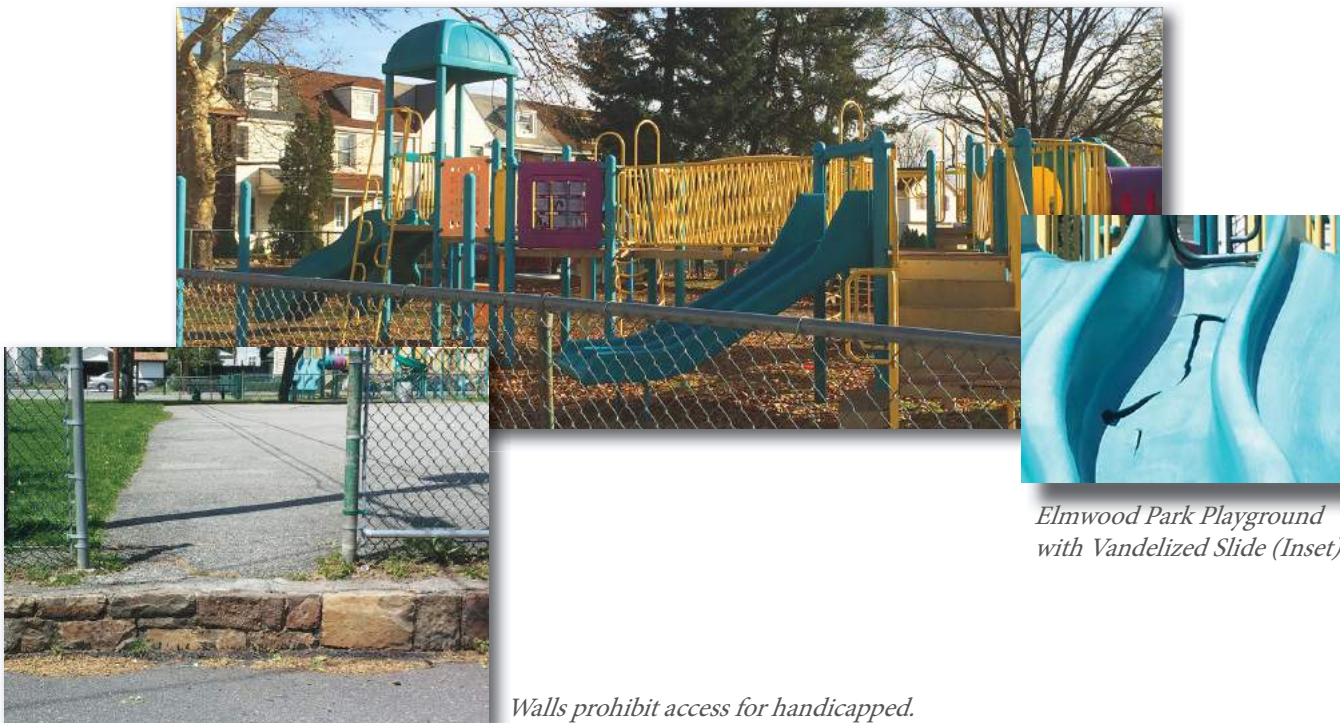
ACTIVE FACILITIES				
ELMWOOD PARK	Qty	Materials	1-3 Rating	Comments
PLAY EQUIPMENT				
Modular	1	Metal/Plastics	2	Plastics Faded, Slide Vandalized
Swings	1	Metal V frame	2	Rusty Frame, 2 Bays
Swing Seats	6	Rubber	2	2 Toddler, 2 Sling, 2 Bench
Spring Toys	3	Plastic/Metal	2	Faded, Rusty Springs
Tire Swings	1	Metal U frame	3	Plastic Tire
TENNIS COURTS	0			
BASKETBALL COURTS	1	Bituminous	1	Not coated. Good nets, boards.
HANDBALL COURT	1	Wood	2	
POOL/SPLASH PAD	0			
PASSIVE FACILITIES				
PATHWAYS	0			
PAVILION	0			
COMMUNITY GARDENS	0			
BUILDINGS	1	Brick/Stone	2	Painted to Resemble Playhouse
SUPPORT FACILITIES				
BENCHES	1	Concrete/Wood	3	Sinking
PICNIC TABLES	2	Plastic coated	3	Chained to Pole, Vandalized
FENCE	800 LF	Chain link	3	10' & 4', some green vinyl coated
SIGNS				
Rules	0			
Park ID	0			
Adopt A Park / Funding	1	Aluminum	1	Elmwood Playground Association
Dogs	2	Aluminum	2	Dogs on Leash
TRASH				
Recepticles / Barrels	1	Plastic	3	Unattractive
DRINKING FOUNTAINS	1	Metal Stub	1	Supply Stub Only, No Fixture
PARK LIGHTING	0			Street Lighting Used
KIOSKS	1	Wood/White Board	1	Nothing Posted



Basketball courts in fair condition. Lines faded. Trees provide feeling of comfort. Lots of unused pavement.

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ACCESS			
ELMWOOD PARK	Y/N	Comments	
VEHICLE ACCESS	No		
PARKING			
Handicapped	No		
On-Street	Yes	Hawthorne St and Dellwood St	
Internal	No		
MAINTENANCE ACCESS	Yes	Fence Gap in Alley	
PEDESTRIAN ACCESS			
ADA to Park	Yes	Entry in Alley, Sidewalk Fence Gaps too Narrow, or Steps	
Crosswalks	No		
ADA To Facilities	Yes	To Paved Surface Activities	
SAFETY			
Cameras	No		
Vandalism	Yes	Cracked Slide	
VEGETATION			
Invasives/Noxious	Yes	Weedy mulch	
Existing Trees	Yes	Street Trees Shade this Park	
New Trees	Yes	Planted Spring 2016	
RECREATION OPPORTUNITIES WITHIN 1 MILE			
Friendship Park		0.5 Miles	Public - City of Bethlehem
Thomas Jefferson Elementary		0.3 Miles	Public - Bethlehem Area School District
NE Middle School		0.5 Miles	Public - Bethlehem Area School District
Johnston Park		1.0 Miles	Public - City of Bethlehem
Rockland Park		1.0 Miles	Public - City of Bethlehem
Sand Island		2.0 Miles	Public - City of Bethlehem



Elmwood Park Playground with Vandalized Slide (Inset)

Walls prohibit access for handicapped.

ELMWOOD PARK BUILDING	
FAÇADE	
Materials	Brick
Condition	Select areas require attention - See Photos
ROOF	
Type	Asphalt Shingles
Condition	Shows Wear, Missing Shingles, Patched Areas
Age of Installation	Unknown
FOUNDATION WALLS	
Materials	Unknown
Condition	Unknown
STRUCTURE	
Materials	Brick Bearing
Condition	Fair, Select areas need attention
WINDOWS	
Type	N/A
Materials	N/A
Condition	N/A
DOORS	
Type	Man Door
Materials	H.M./H.M. Frame
Accessible	N/A
Condition	Poor/See Photos



Separation of door frame from structure.



Missing/damaged shingles. Cricket and flashing show wear and damage.

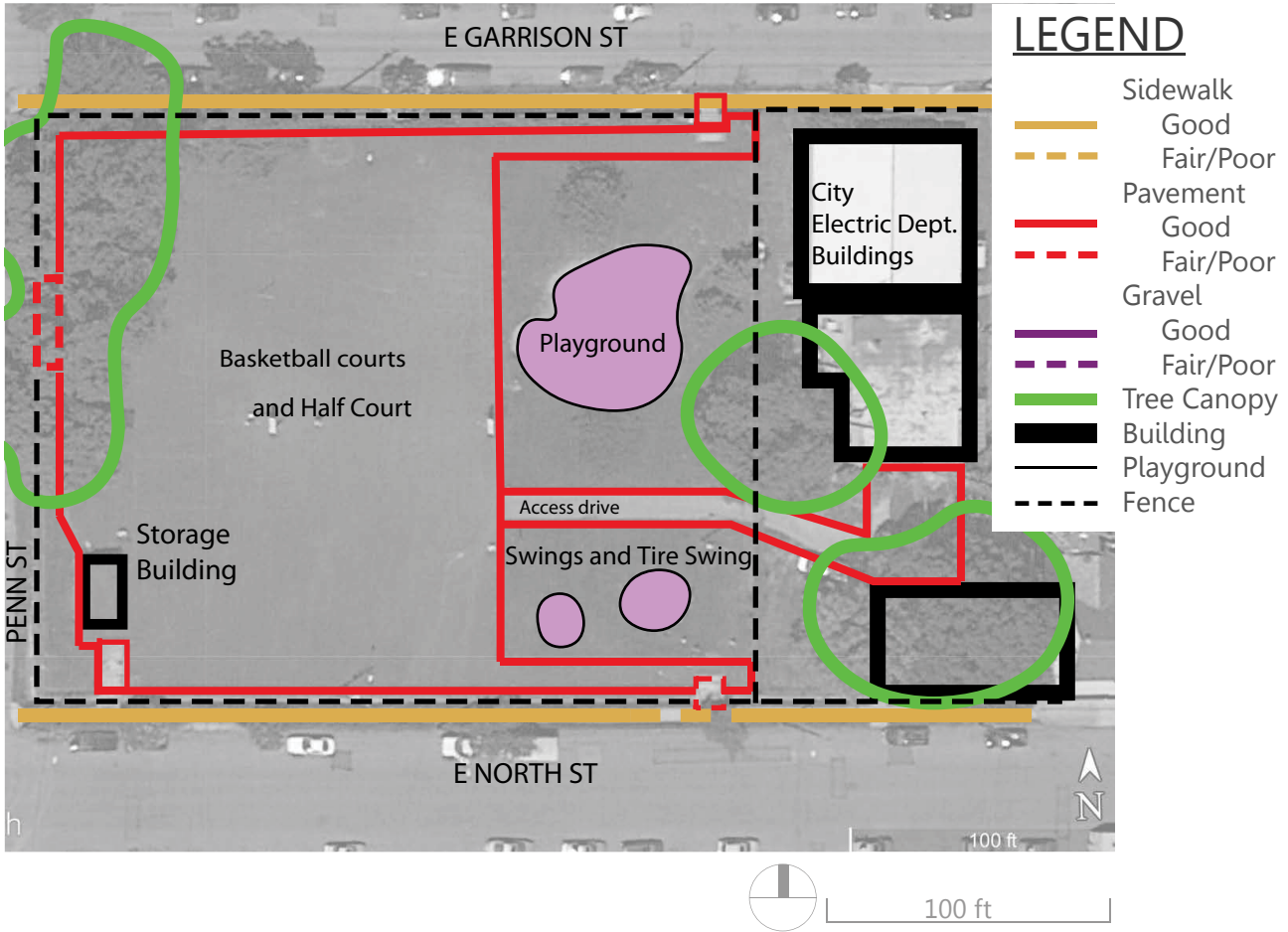


Damaged fascia and soffit.



CITY OF BETHLEHEM

FRIENDSHIP PARK



DESCRIPTION:

E. North and E Garrison Streets
Neighborhood Park
Land Use:

Total Acreage:	1.70 acres
Paved Area	0.88 acres
Gravel Paths	0.00 acres
Lawn Area	0.59 acres
Tree Canopy	0.27 acres

Topography: Level to Nearly Level <5%
Service Area: .25-.50 Miles

SERVICE AREA:



Comprehensive Parks & Pools Study

ACTIVE FACILITIES				
FRIENDSHIP PARK	Qty	Materials	1-3	Comments
PLAY EQUIPMENT				
Modular	1	Metal/Plastics	2	Vandalized, Minimal Mulch Bed
Swings	2	Metal V Frames	2	Frames Faded
		Plastic/Rubber Seats	2	3 Toddler, 2 Bench, 2 Sling
TENNIS COURTS	0			
BASKETBALL COURTS	1.5	Bituminous	2	No Coating, No Lines
POOL/SPLASH PAD	0			
PASSIVE FACILITIES				
PATHWAYS	0			
PAVILION	0			
VOLUNTEER GARDENS	1	Stone wall	1	Not maintained
DOG PARK	0			
BUILDINGS	4	Brick, Block, Metal		COB Maintenance
SUPPORT FACILITIES				
BENCHES	0			
PICNIC TABLES	0			
FENCE	2400 LF	Chain link	1	Rusted
SIGNS				
Rules	1	Aluminum		
Park ID	0			
Adopt A Park / Funding	1	Aluminum		Friends of Friendship Park
TRASH				
Receptacles / Barrels	1	Plastic	1	Un-Attractive
DRINKING FOUNTAINS	1	Unfinished Metal	1	Dated, Rusty, Not ADA
PARK LIGHTING	4	Wood post, LED	2	Safety Lighting
COMMUNICATIONS TOWER	1	Metal	1	Eye Sore



Entrance from Penn Alley for maintenance. Slope of this ramped entry into park does not meet ADA criteria. Walls on North and Garrison Street sides prevent handicapped access.

CITY OF BETHLEHEM

ACCESS & CIRCULATION			
FRIENDSHIP PARK	Y/N	Comments	
VEHICULAR ACCESS	Yes	Gated Access from Penn St. for COB Vehicles	
PARKING			
Handicapped	Yes	North Street 1 space	
On-Street	Yes	E Garrison St, E North St (2 Hr. Permit Zone F)	
Internal	No	COB Vehicles Use Paved Area for Parking	
MAINTENANCE ACCESS	Yes	Bituminous Drive-Penn St to COB Electrical Dept. Building	
PEDESTRIAN ACCESS			
ADA to Park	No	Walls Surround Park with Stair Access, Steep Ramp from Penn St.	
ADA To Facilities	No		
SAFETY			
Cameras	No		
Vandalism	Yes	Vandalism on Play Equipment	
VEGETATION			
Invasives/Noxious	Yes	Growing into Fence, Lawn Weeds	
Existing Trees	Yes	Few Mature Trees for Shade	
New Trees	Yes	Maples, Crabapples 2016	
RECREATION OPPORTUNITIES WITHIN 1 MILE			
Thomas Jefferson Elementary		0.2 Miles	Public-Bethlehem Area School District
Elmwood Park		0.5 Miles	Public - City of Bethlehem
NE Middle School		1.0 Miles	Public-Bethlehem Area School District
Johnston Park		1.0 Miles	Public - City of Bethlehem
Sand Island Park		1.1 Miles	Public - City of Bethlehem



Failing Stone Steps and sidewalks surrounding the park prevent access



Basketball Court -Uncoated, Vandalized, Poor Condition



Play equipment vandalized, lacking paint, mulch & fall zone protection



No shade trees, loitering teens, cell tower, city maintenance buildngs create un-welcoming feel.

FRIENDSHIP PARK BUILDING	
FAÇADE	
Materials	Brick w/ CMU back-up
Condition	Select areas require attention - See Photos
ROOF	
Type	Rubber Membrane
Condition	Unknown
Age of Installation	Unknown
FOUNDATION WALLS	
Materials	CMU
Condition	Select areas require attention - See Photos
STRUCTURE	
Materials	Brick w/ CMU back-up
Condition	Fair, Select areas need attention
WINDOWS	
Type	Concession Transaction Window
Materials	Plywood
Condition	Poor and Unsafe/See Photos
DOORS	
Type	Man Door
Materials	H.M./H.M. Frame
Accessible	No
Condition	Poor/See Photos



Damaged /rotting door frame



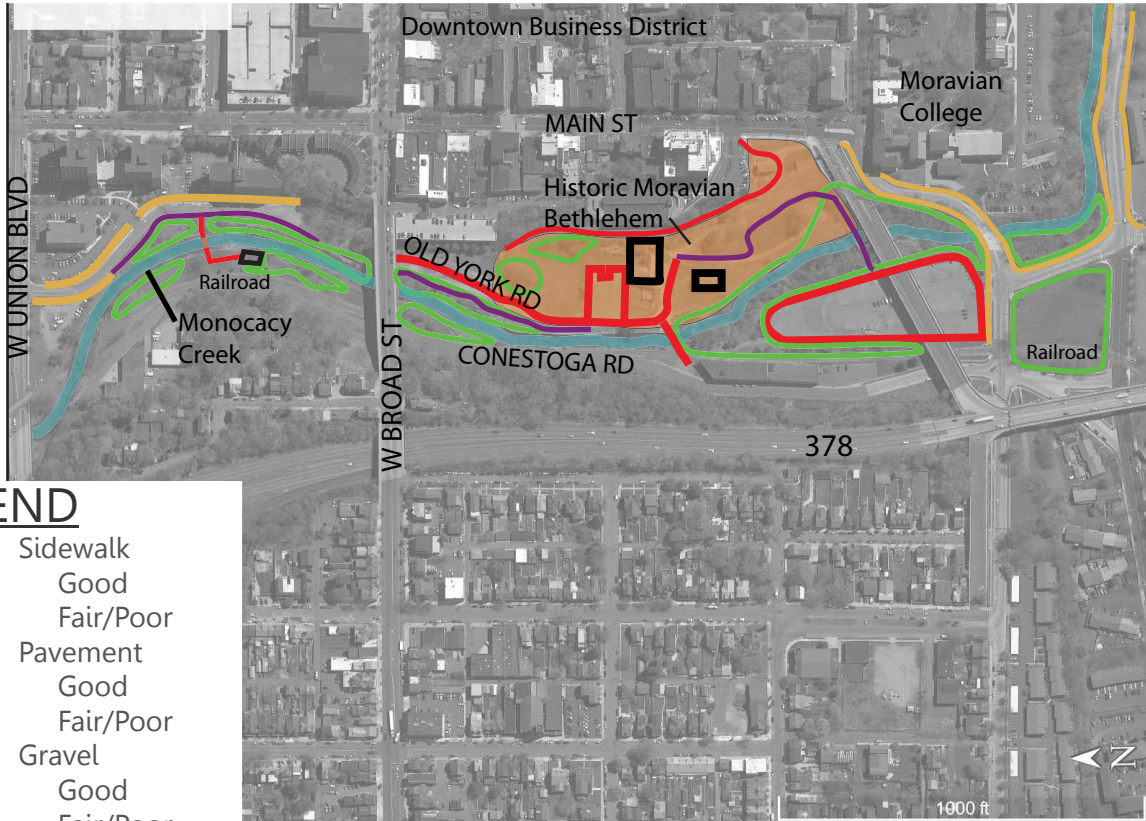
Rotting/damaged concession transaction window counter.



Unsafe, damaged exterior outlets.

CITY OF BETHLEHEM

JOHNSTON PARK



LEGEND

- Sidewalk
 - Good
 - - - Fair/Poor
- Pavement
 - Good
 - - - Fair/Poor
- Gravel
 - Good
 - - - Fair/Poor
- Tree Canopy
 - Good
 - - - Fair/Poor
- Building
 - Building
 - Playground
 - - - Fence
- Historic District
 - Historic District

DESCRIPTION:

Union Boulevard & Old York Road
Neighborhood Park

Land Use:

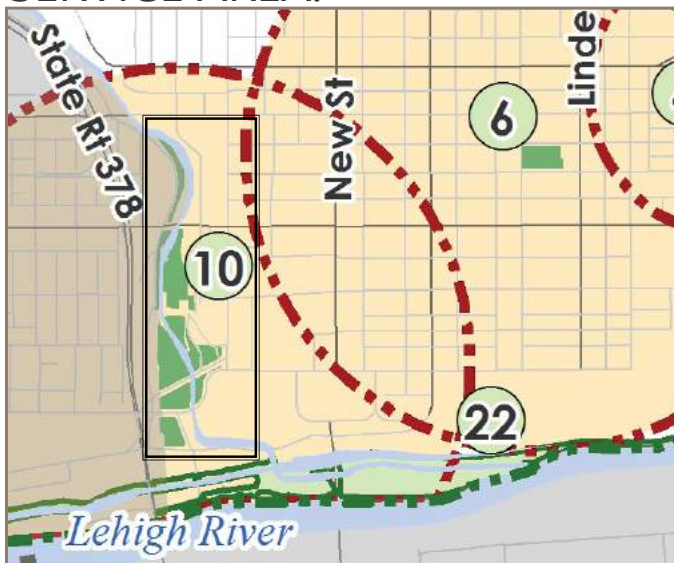
(Not including Moravian Bethlehem)

Total Acreage	10.20 acres
Paved Area	0.08 acres
Gravel Paths	0.15 acres
Lawn Area	0.52 acres
Tree Canopy	0.97 acres

Topography: Level to Nearly Level <5%

Service Area: .25 - .50 Miles

SERVICE AREA:



ACTIVE FACILITIES				
JOHNSTON PARK	Qty	Materials	1-3	Comments
PLAY EQUIPMENT	0			
TENNIS COURTS	0			
BASKETBALL COURTS	0			
PASSIVE FACILITIES				
PATHWAYS	1070 LF	Gravel & Sidewalk	2	Segment of Monocacy Way
PAVILION	1	Stone, Timbers	3	Beautiful, Rustic Look
GRILLS	3	Metal	2	Not at Pavilion
VOLUNTEER GARDENS	1	Butterfly Garden	1	Musikfest Volunteers.
BUILDINGS	0			
SUPPORT FACILITIES				
BENCHES	7	Concrete/Wood	2	Planted in Lawn
PICNIC TABLES	7	Wood	2	Planted in Lawn
SIGNS				
Rules	1	Aluminum	3	
Park ID	1	Aluminum	3	
Adopt A Park / Funding	2	Aluminum	3	Guardian Life/Eric and Sharon G
No Dogs	2	Aluminum	3	
Wayfinding	2	Composite	3	Wayfinding-Colonial Ind. Qtr
Danger - Dam	2	Wood/Composite	3	Little Faded
Parking	1	Aluminum	2	ID for Colonial Industrial Qtr
MEMORIALS	0			
TRASH				
Recepticles / Barrels	6	Plastic	1	Un-Attractive
DRINKING FOUNTAINS	0			
PARK LIGHTING	5	Metal Pole.Cobras	2	Along Old York Rd



Monocacy Creek lined with WPA walls. Monocacy Way runs adjacent along Old York Road. Riparian restoration and pedestrian gathering spaces would create an engaging park experience.

CITY OF BETHLEHEM

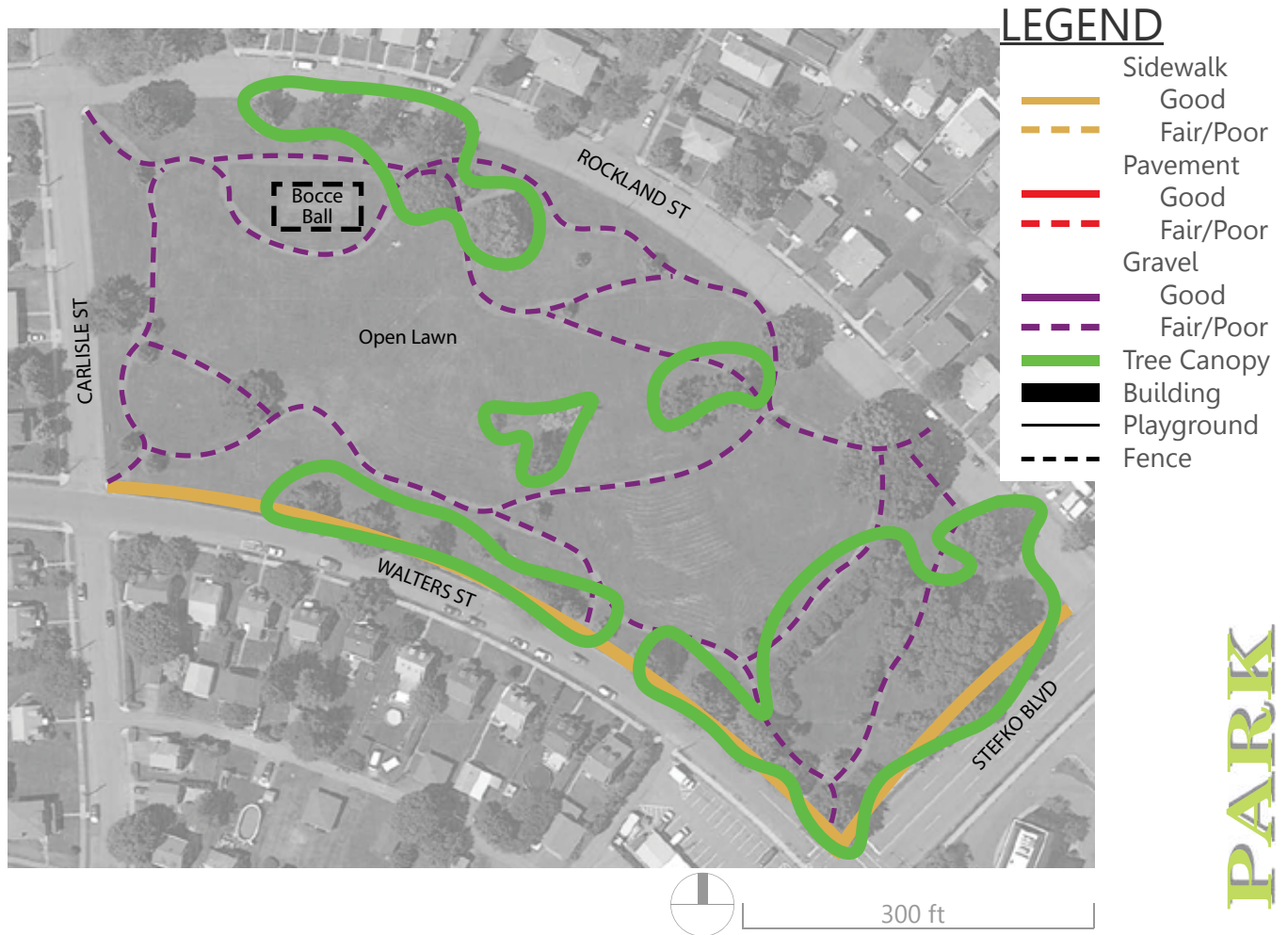
ACCESS & CIRCULATION		
JOHNSTON PARK	Y/N	Comments
VEHICULAR ACCESS	Yes	From Old York Rd & Conestoga Rd
PARKING		
Handicapped	Yes	In Colonial Industrial Quarter Lot
On-Street	No	
Internal	Yes	Colonial Industrial Quarter Lot
MAINTENANCE ACCESS	Yes	Old York Rd, Conestoga Rd
PEDESTRIAN ACCESS		
ADA to Park	Yes	Sidewalks with Curb Cuts at Moravian House
Crosswalks	No	Curb Cuts near Moravian House, no Crosswalks
ADA To Facilities	Yes	to Pavilion from Moravian House across Bridge
Stone Walls	Yes	With Steps to Creek all along Monocacy. Poor Condition
SAFETY		
Cameras	No	
Vandalism	No	
VEGETATION		
Invasives/Noxious	Yes	Lawn Weeds
Existing Trees	Yes	Willows along Monocacy, Mature Trees Throughout
New Trees	No	Young Evergreens near Pavilion. Not 2016.
RECREATION OPPORTUNITIES WITHIN 1 MILE		
William Penn Elementary	0.4 Miles	Public-Beth.Area School District
Sand Island	0.7 Miles	Public - City of Bethlehem
Higbee Park	0.8 Miles	Public - City of Bethlehem
Historic Moravian Bethlehem	0.1 Miles	Historic Bethlehem Association
Rose Garden Park	0.8 Miles	Public - City of Bethlehem



Nice accessible pavilion across Monocacy Creek from Moravian Towers

Arrow indicates accessible entrance to Johnston Park from Moravian Tower. Red lines indicate 3 driveway apron crossings which do not meet ADA criteria which the person in the wheelchair will need to navigate to get to Johnston Park. No crosswalk is present on Old York Road to provide for pedestrian safety.





DESCRIPTION:

Stefko Blvd., Walters and Carlisle Streets
Neighborhood Park

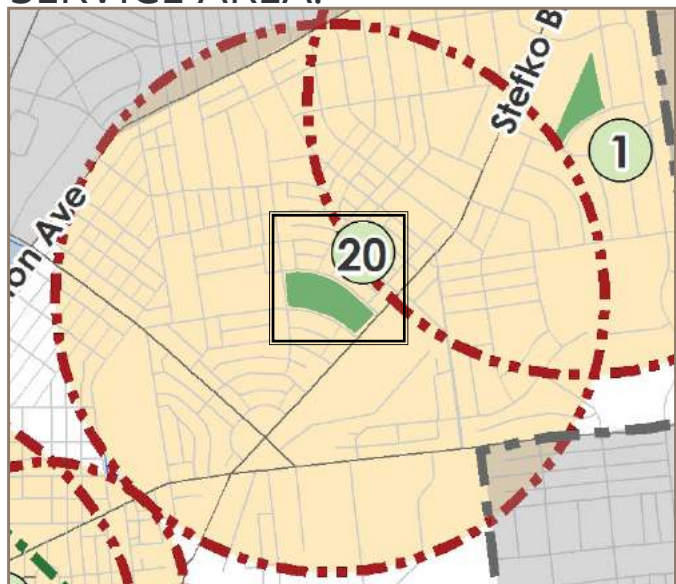
Land Use:

Total Acreage	5.80 acres
Paved Area	0.13 acres
Gravel Paths	0.83 acres
Lawn Area	1.94 acres
Tree Canopy	3.60 acres

Topography: Level to Moderate Slope
2%-15%

Service Area: .25-.50 Miles

SERVICE AREA:



ROCKLAND PARK

CITY OF BETHLEHEM

ACTIVE FACILITIES				
ROCKLAND PARK	Qty	Materials	1-3	Comments
PLAY EQUIPMENT	0			
BASKETBALL COURTS	0			
SLEDDING HILL	1	Sloped Lawn	1	Berm at base for Safety
PASSIVE FACILITIES				
PATHWAYS	Yes	Gravel	1	Overgrown Looping Paths
PAVILION	0			
VOLUNTEER GARDENS	1	At Sign	1	Just Born. Poorly Maintained
BOCCE	1	Timbers/Gravel	1	Not maintained
DOG PARK	0			
BUILDINGS	0			
SUPPORT FACILITIES				
BENCHES	11	Concrete/Wood	2	Planted in Lawn
PICNIC TABLES	1	Wood	2	Planted in Lawn
FENCE	240 LF	3' ht.,Chain Link	1	Green Vinyl, Around Bocce
SIGNS				
Rules	0			
Park ID	1	Wood/Composite	3	Large Visible
Adopt A Park / Funding	1	Aluminum	3	Just Born
No Dogs	0			
PLAQUES	Yes	Bronze	1	Just Born Employees, at Cherry Trees
MEMORIALS	1	Concrete/Composite	1	Memorial Bench
TRASH				
Recepticles / Barrels	3	Plastic	1	Un-Attractive
DRINKING FOUNTAINS	1	Supply Stub	1	Not Operational, No Fixture
PARK LIGHTING	1	Wood Post. Old	2	Not LED. Old Fixture



View from Carlisle Street and the top of the sledding hill at Rockland Park. Gravel paths are so encroached with grass they are barely visible. No sidewalks on park side of these residential streets. Park volunteer gardens are minimally maintained.

Comprehensive Parks & Pools Study

ACCESS & CIRCULATION			
ROCKLAND PARK	Y/N	Comments	
VEHICULAR ACCESS	No		
PARKING			
Handicapped	No		
On-Street	Yes	Walters St. across from Park, Rockland St.	
Internal	No		
MAINTENANCE ACCESS	No		
PEDESTRIAN ACCESS			
ADA to Park	Yes	Sidewalk on Stefko. Curb Cuts at Intersections	
Crosswalks	Yes	from Just Born	
ADA To Facilities	Yes	to gravel paths	
Bus Stop & Shelter	Yes	Stefko & Rockland	
SAFETY			
Cameras	No		
Vandalism	No		
VEGETATION			
Invasives/Noxious	Yes	Lawn Weeds	
Existing Trees	Yes	Mature Trees Throughout	
New Trees	Yes	Shade Trees & Ornamentals	
RECREATION OPPORTUNITIES WITHIN 1 MILE			
NE Ministries		0.5 Miles	Private
Lincoln Elementary School		0.5 Miles	Public-Bethlehem Area School District
Marvine Elementary School		0.5 Miles	Public-Bethlehem Area School District
Boys Club of Bethlehem		0.6 Miles	Private
Bayard Park		0.7 Miles	Public - City of Bethlehem
NE Middle School		0.9 Miles	Public-Bethlehem Area School District
Freemansburg Park		1.0 Miles	Public-Borough of Freemansburg
Elmwood Park		1.0 Miles	Public - City of Bethlehem
D&L Trail		1.5 Miles	Public-Borough of Freemansburg



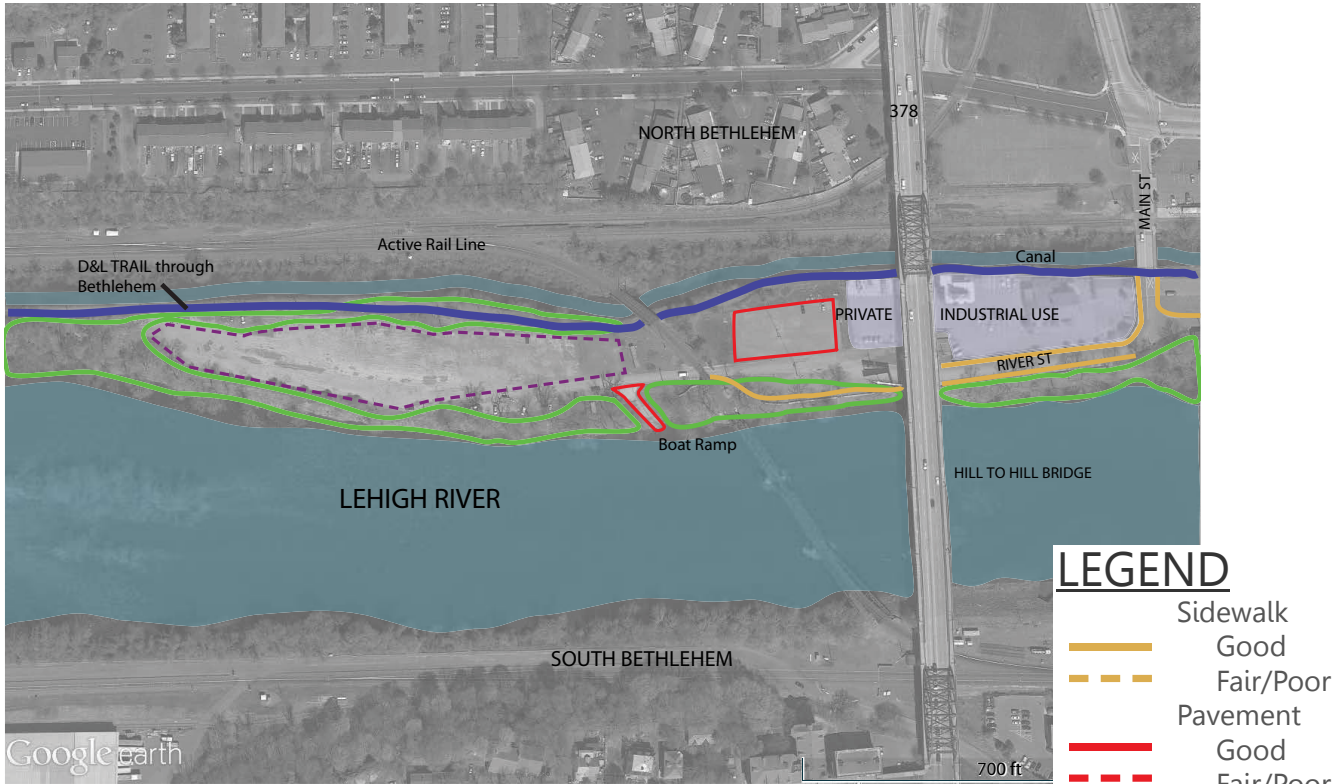
Existing Gravel Pathways becoming overgrown (typical)



Park Identification Sign with Volunteer Garden & Painted Bench in Foreground - Painted Benches are unique to this park.

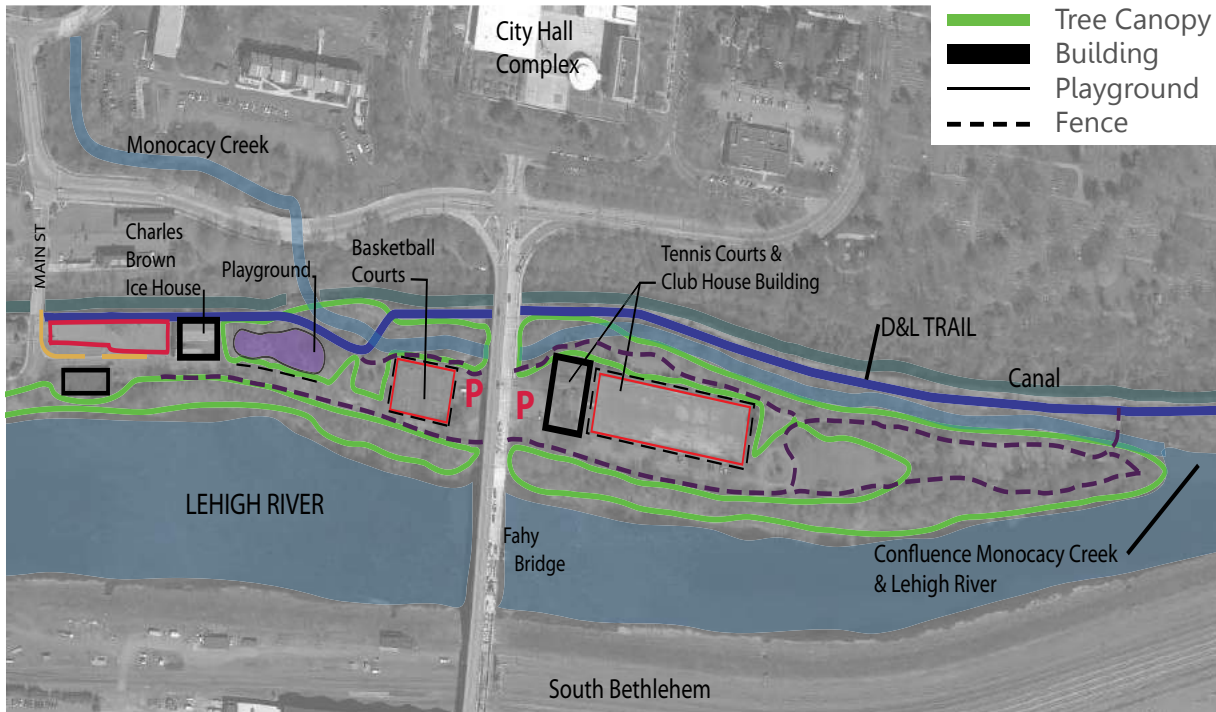
CITY OF BETHLEHEM

SAND ISLAND WEST



SAND ISLAND

SAND ISLAND EAST



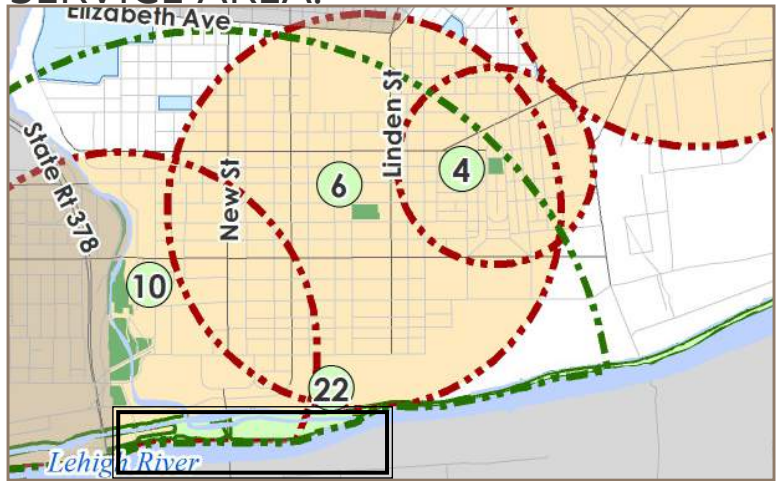
DESCRIPTION:

Main Street and Lehigh River
Community Park
Land Use:

- Total Acreage 20.00 acres
- Paved Area 5.91 acres
- Gravel Paths 2.03 acres
- Lawn Area 0.97 acres
- Tree Canopy 14.72 acres

Topography: Level to Nearly Level <5%
Service Area: 1-2 Miles

SERVICE AREA:



ACTIVE FACILITIES				
SAND ISLAND PARK	Qty	Materials	1-3 Rating	Comments
PLAY EQUIPMENT				
Modular	3	Plastic/Metal/Wood	2	Well Used, Wood Rotting
Swings	0			
Spring Toys	3	Plastic/Metal	1	Rusty, Chipping Paint
Tire Swings	2	Plastic/Metal	2	Well Used. 3 bays
TENNIS COURTS	8	Bituminous. Coated	3	Well Used and Maintained
BASKETBALL COURTS	2	Bituminous. Coated	3	Fenced w/ Seating and 6 lights
PASSIVE FACILITIES				
PATHWAYS	Yes	Gravel	1	Overgrown Looping Paths
PAVILION	0			
GRILLS	0			
BUILDINGS	2			See City Buildings Pages
SUPPORT FACILITIES				
BENCHES	5	Concrete/Wood	2	Playground
PICNIC TABLES	1	Wood	2	Planted in Lawn
	2	Plastic Coated	3	Playground
ADDITIONAL AMENITIES	3+	Wood, Cushioned	3	Within Tennis Club Area
FENCE	240 LF	3' ht., Chain Link	1	Green Vinyl, Around Playground
	2000+	10' Ht. Chain Line	1	Surrounding Tennis & Basketball
SIGNS				
Rules	3	Aluminum	3	at all activity centers
Bike and Boat Program	1	Aluminum	3	Wildlands
Adopt A Park / Funding	1	Aluminum	3	Fritch Inc., at Entry
No Dogs	1	Aluminum	3	Dogs must be Leashed
Directional Sign	1	Aluminum	2	At T at end of Main
Funding Recognition	2	Aluminum	3	WDIY, Planting & Woodland
Funding Recognition	1	Aluminum	3	DCNR
PLAQUES	Yes	Bronze	1	Charles A Brown Ice House
MEMORIALS	1	Stone	1	M.Gilley, Childrens Garden

CITY OF BETHLEHEM

TRASH				
Recepticles / Barrels	10+	Plastic	1	Un-Attractive
Recycle Bins	3	Plastic	2	At Ice House
DRINKING FOUNTAINS	1	Metal	1	In Playground, Rusty
PARK LIGHTING	24	Metal Posts	2	Surrounding Tennis & Basketball
	18	Decorative Metal	2	Street Lighting on River Road
	6	Wood Pole.Cobra	2	Street Lighting on River Road
REST ROOMS	1	Stone	2	at Tennis Courts

ACCESS & CIRCULATION			
<i>SAND ISLAND PARK</i>	Y/N	Comments	
VEHICULAR ACCESS	Yes	River Road runs through the park	
BOAT LAUNCH	Yes	Sand Island East Side	
PARKING			
Handicapped	No	Yes. At playground, ice house and tennis courts	
On-Street	Yes	On River Road, pull in	
Internal	Yes	All of it is within the park	
MAINTENANCE ACCESS	Yes	River Road	
PEDESTRIAN ACCESS			
Walls	Yes	Stone Walls w. steps to Lehigh River along River Rd. East Sand Is.	
ADA to Park	No	Sidewalks and Slopes on Main St. Bridge prohibitive	
Crosswalks	Yes	on Sand Island at Ice House	
ADA To Facilities	Yes	All Facilities on Sand Island	
SAFETY			
Cameras	No		
Vandalism	No		
VEGETATION			
Invasives/Noxious	Yes	Lawn Weeds, Weeds under Fencing, Invasives on D&L	
Existing Trees	Yes	Mature Trees Throughout	
RECREATION OPPORTUNITIES WITHIN 1 MILE			
Colonial Industrial Quarter		0.5 Miles	Private - Historic Beth. Partnership
Higbee Park		0.6 Miles	Public - City of Bethlehem
Johnston Park		0.7 Miles	Public - City of Bethlehem
South Bethlehem Greenway		0.7 Miles	Public - City of Bethlehem
William Penn Elementary		1.0 Miles	Public-Beth.Area School District



Entrance Drive to Sand Island West. Walk along WPA wall with view of the Lehigh River. Boarded areas block steep steps down to the river.



Looking towards RR Trestle - Sand Island West
Lots of unused paving, creates a unfinished feeling.

SAND ISLAND WEST



Boat Ramp



Participants in Bike and Boat Program

SAND ISLAND EAST



Entry Drive looking towards Ice House-East Sand Island



Playground - Inset shows wood members with signs of decay



Well Maintained Basketball Courts with Night Lighting



Well Maintained Tennis Courts with Night Lighting



End of Public access road at turn around loop. Gravel path to the right leads to end of island and connects to the D&L trail.



Wooden bridge crossing Monocacy Creek to D&L trail from Sand Island used by cyclists and pedestrians.

CITY OF BETHLEHEM



SAND ISLAND: TENNIS BUILDING

FAÇADE

Materials	Wood Siding/Stone
Condition	Select areas require attention - See Photos

ROOF

Type	Asphalt Shingles
Condition	Shows Wear, Missing Shingles, Patched Areas
Age of Installation	Unknown

FOUNDATION WALLS

Materials	Stone/Concrete
Condition	Fair/Poor/See Photos

STRUCTURE

Materials	Stone/WD Framing
Condition	Select areas require attention - See Photos

WINDOWS

Type	Single-Pane Windows
Materials	Wood
Condition	Fair

DOORS

Type	Man Door
Materials	H.M./H.M. Frame
Accessible	No
Condition	Fair

ACCESSIBILITY

RESTROOMS

Sinks	Non-ADA Compliant/See Photos
Water Closet	Non-ADA Compliant/See Photos
Urinals	Non-ADA Compliant/See Photos



*Right side of photograph: signs of foundation settlement.
Large long cracks, roof buckling, and leaning building components.*



*Invasive plants in stonework.
Possible areas for future water infiltration.*



Non-ADA compliant entry way.



Rotting, holes, and damage to soffit, Typical.



Cracks in masonry and patched pointing.



Non-ADA compliant toilet rooms.

CITY OF BETHLEHEM

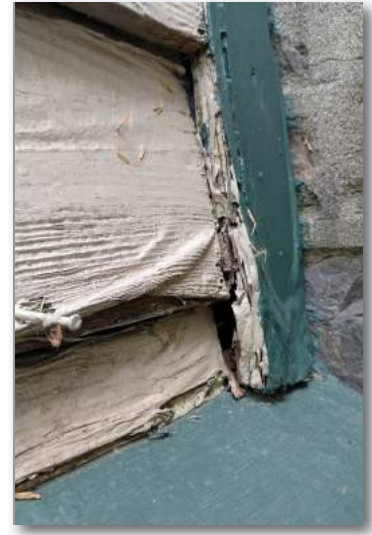


SAND ISLAND: TENNIS PUBLIC TOILET FACILITY

FAÇADE	
Materials	Wood Siding/Stone
Condition	Select areas require attention - See Photos
ROOF	
Type	Asphalt Shingles
Condition	Shows Wear, Missing Shingles, Patched Areas
Age of Installation	Unknown
FOUNDATION WALLS	
Materials	Stone/Concrete
Condition	Fair/Poor/See Photos
STRUCTURE	
Materials	Stone/WD Framing
Condition	Select areas require attention - See Photos
WINDOWS	
Type	Single-Pane Windows
Materials	Wood
Condition	Fair
DOORS	
Type	Man Door
Materials	H.M./H.M. Frame
Accessible	No
Condition	Fair
ACCESSIBILITY	
RESTROOMS	
Sinks	Non-ADA Compliant/See Photos
Water Closet	Non-ADA Compliant/See Photos
Urinals	Non-ADA Compliant/See Photos



*Flashing is damaged. Starter course of siding is rotten.
Masonry pointing is missing in places.*



*Rotting siding and trim where
wood meets adjacent building*



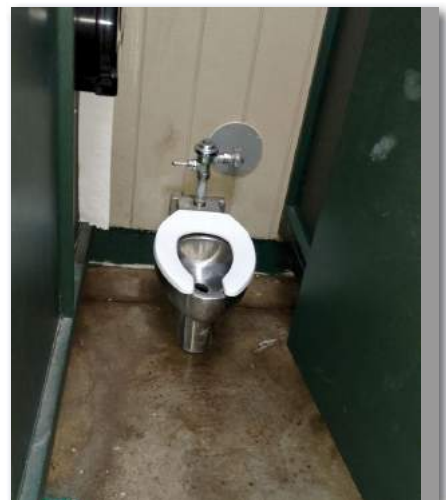
Asphalt shingles are peeling away at roof edge.



Over grown plantings around electrical transformer.



Exhaust fan shows sign of leaks and rotted siding.



Non-ADA compliant toilet rooms.

CITY OF BETHLEHEM



SAND ISLAND: ICE HOUSE

FAÇADE	
Materials	Wood Siding/Brick/Stone Foundation
Condition	Select areas require attention - See Photos
ROOF	
Type	Asphalt Shingles
Condition	Asphalt Shingle - Fair
Age of Installation	Approx. 15 years
FOUNDATION WALLS	
Materials	Stone Mixed with Concrete
Condition	Select areas require attention - See
STRUCTURE	
Materials	Timber Frame
Condition	Good
WINDOWS	
Type	Single Pane
Materials	Wood Frame
Condition	See Photos
DOORS	
Type	Man Door
Materials	WD/WD Frame
Accessible	
Condition	See Photos
ACCESSIBILITY	
RESTROOMS	
Sinks	Non-ADA Compliant/See Photos
Water Closet	ADA Compliant
Urinals	ADA Compliant
Partitions	ADA Compliant
RAMPS	
Degree of Slope	ADA Compliant

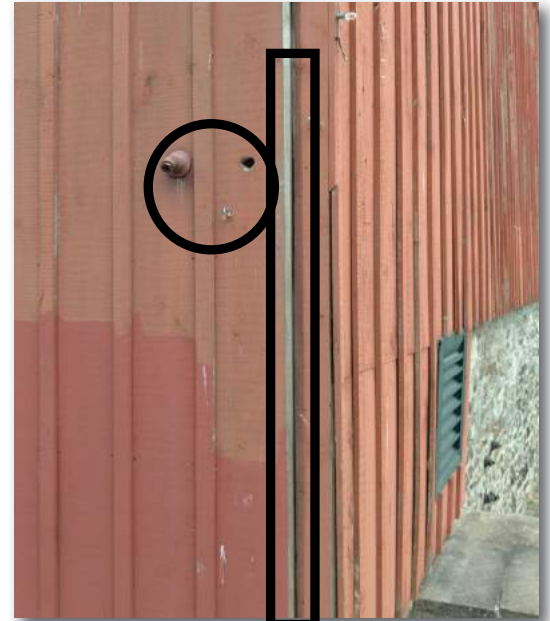


Rotting Door & Window Frames





Damaged and worn exterior stair treads and stringers.



Missing battens, graffiti and damaged exterior fixtures. Typical throughout.



Missing ADA insulated covers for sink piping.



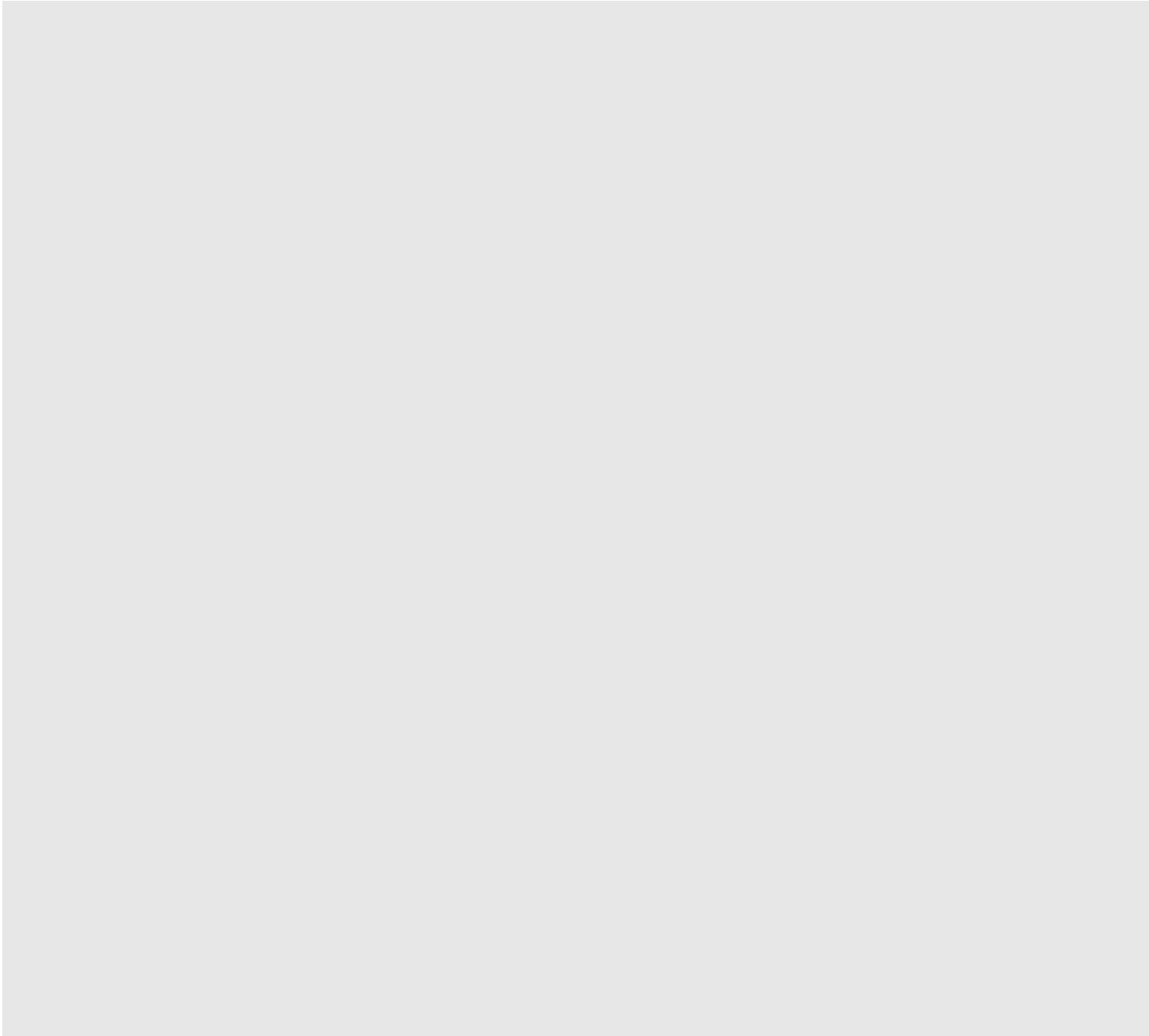
Damaged railing, not ADA compliant as shown.



Water damaged ceiling tiles.



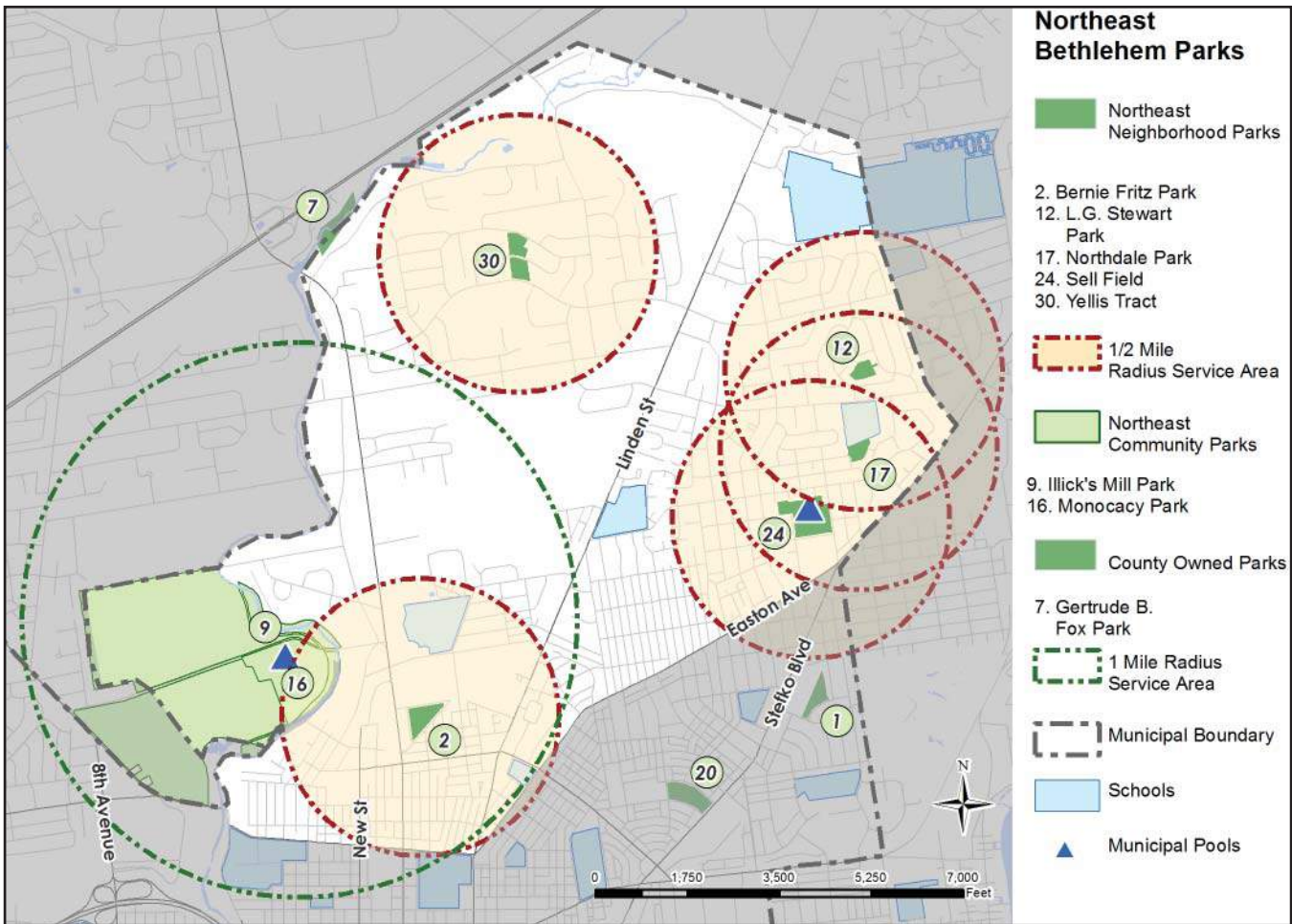
Rotted sill plate.





Existing Conditions
Northeast Bethlehem Parks & Pools

CITY OF BETHLEHEM



Northeast Bethlehem Neighborhood Parks:

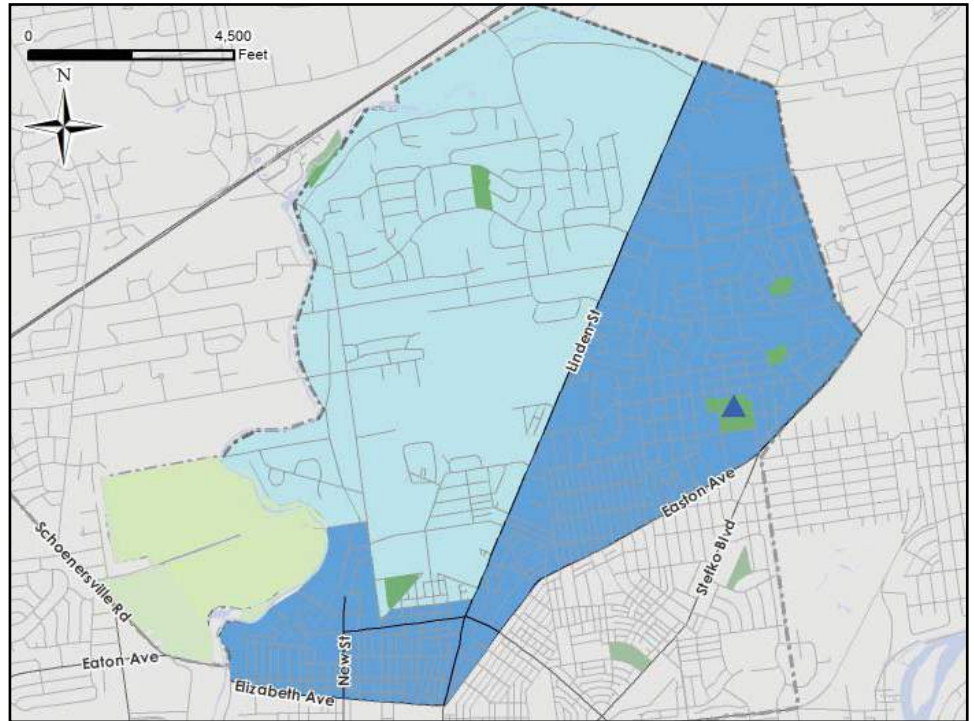
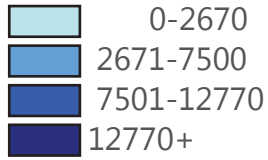
- Bernie Fritz
- Northdale
- L.G. Stewart
- Sell Field & Stark Pool
- Jenkins
- Yellis Tract

Northeast Bethlehem Regional Parks:

- Monocacy Park Complex including Memorial Pool and Illicks Mill

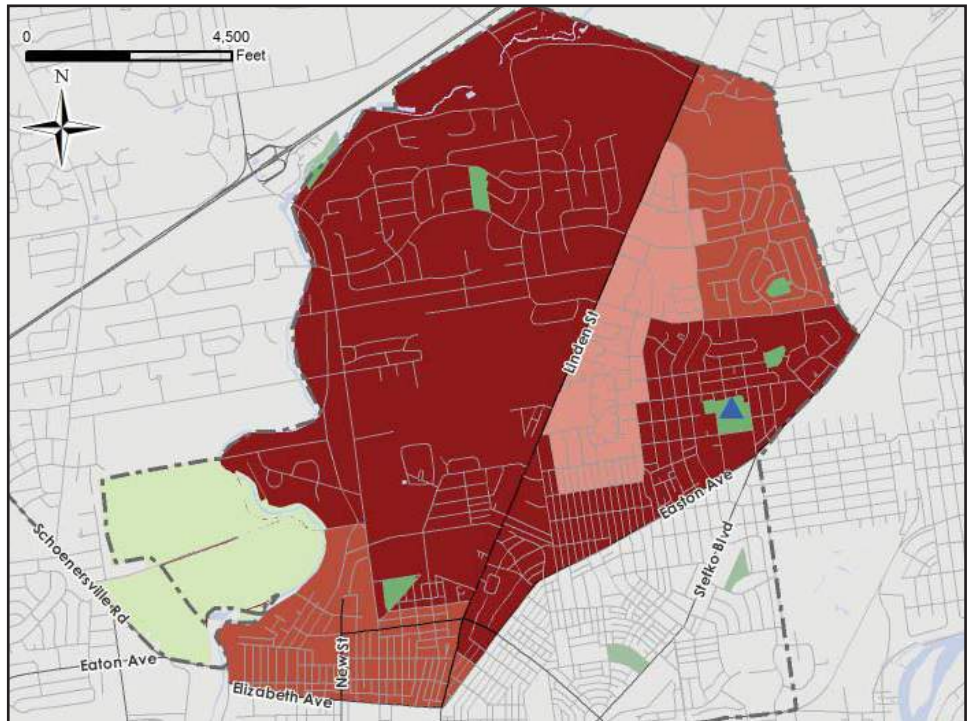
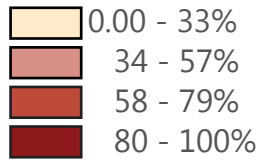
NorthEast Bethlehem
POPULATION PER SQUARE MILE

LEGEND



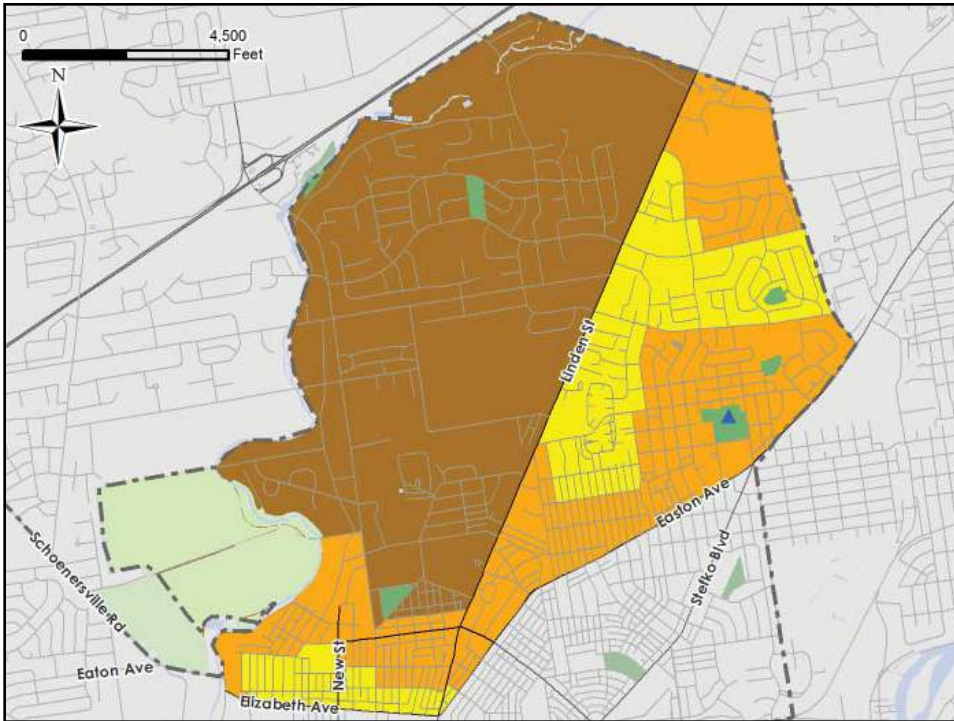
NorthEast Bethlehem
PERCENTAGE OWNER-OCCUPIED

LEGEND

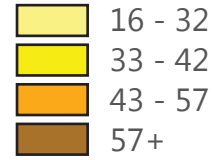


CITY OF BETHLEHEM

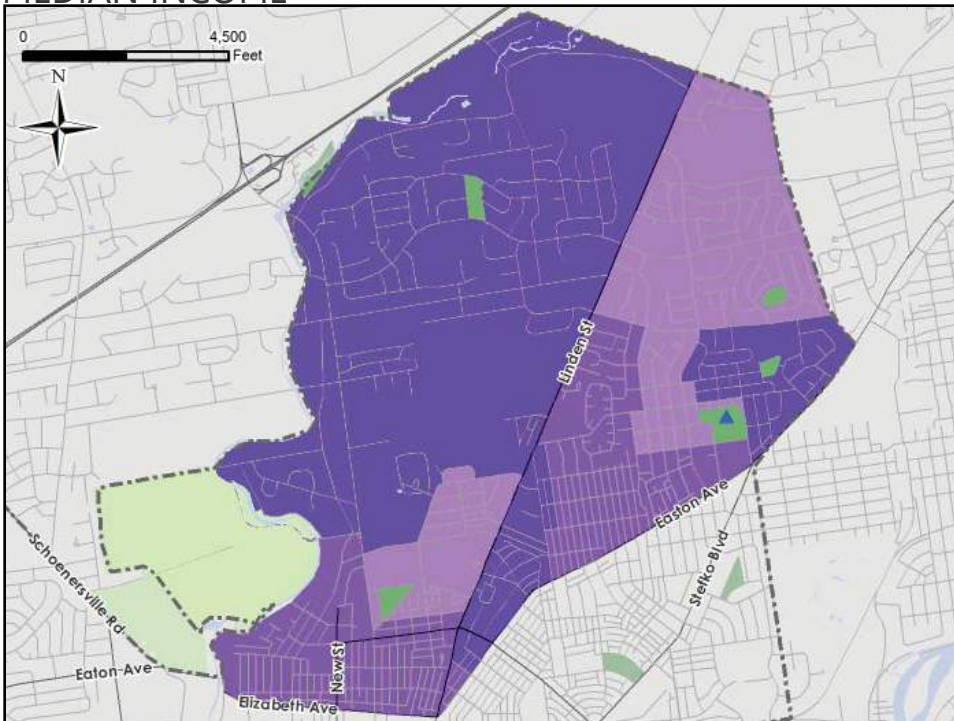
NorthEast Bethlehem MEDIAN AGE



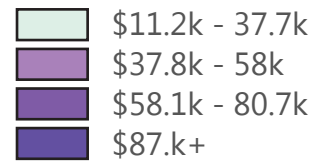
LEGEND



North East Bethlehem MEDIAN INCOME



LEGEND





DESCRIPTION:

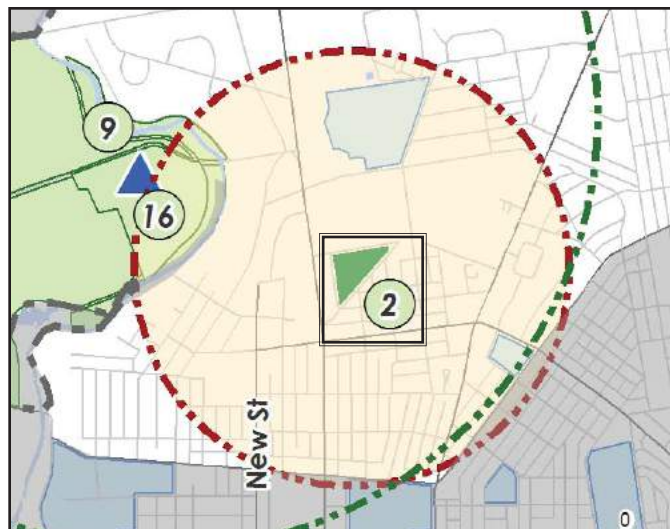
Neighborhood Park
 Memorial Avenue, Bethlehem
 Land Use:

Not Including Athletic Fields

Total Acreage	2.25 acres
Paved Area	0.58 acres
Gravel Paths	0.00 acres
Lawn Area	1.93 acres
Tree Canopy	0.86 acres

Topography: Level to Nearly Level <5%
 Service Area: .25 to .50 Miles

SERVICE AREA:



BERNIE FRITZ

CITY OF BETHLEHEM

ACTIVE FACILITIES				
BERNIE FRITZ PARK	Qty	Materials	1-3	Comments
PLAY EQUIPMENT				
Modular	1	Plastic/Metal	2	Well Used
Swings	2	Metal, 1 V Frame, 1 U	1	Metal Colors Faded
Swing Seats	6	Rubber	2	4 tot, 2 sling
Slides	1	Metal	1	Tot Sized, Not Inclusive
Spring Toys	3	Plastic/Metal	1	Rusty, Chipping Paint
Seesaws	1	Plastic/Metal	2	Quad Seesaw. Not Inclusive
Tire Swings	1	Plastic/Metal	3	1 Bench Swing
BASKETBALL COURTS	1	Bituminous	2	Not coated, lines faded
BASEBALL FIELDS	2.8 AC			North Central Little League
PASSIVE FACILITIES				
PATHWAYS	0			
PAVILION	0			
BUILDINGS	1	Brick. Storage	3	
SUPPORT FACILITIES				
BENCHES	2	Concrete/Wood	2	In Playground
PICNIC TABLES	1	Plastic Coated	3	In Playground
FENCE	300 LF	Split Rail	2	Some Rails Missing
SIGNS				
Rules	1	Aluminum	3	At building
Adopt A Park / Funding	2	Aluminum	3	St. Stephens Church, Sigma Sigma Sigm
No Dogs Allowed	1	Aluminum	2	Faded
Funding Recognition	1	Aluminum	3	DCNR
MEMORIALS	1	Stone	3	Bernie Fritz
TRASH				
Receptacles / Barrels	1	Plastic	1	Un-Attractive
Recycle Bins	1	Plastic	3	At Building
DRINKING FOUNTAINS	0			
PARK LIGHTING	0			
REST ROOMS	0			



Bernie Fritz Park from Atwood Street. Most of the land in this park that is not paved is dedicated to athletic fields.

Comprehensive Parks & Pools Study

ACCESS & CIRCULATION		
BERNIE FRITZ PARK	Y/N	Comments
VEHICULAR ACCESS	No	
PARKING		
Handicapped	No	
On-Street	Yes	On Memorial and Atwood. Not on park side
MAINTENANCE ACCESS	Yes	Paved Access from Atwood Street
PEDESTRIAN ACCESS		
ADA to Park	No	No Sidewalks, No Crosswalks surrounding park
Crosswalks	No	
ADA To Facilities	No	Grades are level, access to facilities on paved surfaces
SAFETY		
Cameras	No	
Vandalism	No	
VEGETATION		
Invasives/Noxious	Yes	Lawn Weeds
Existing Trees	Yes	Mature Trees Throughout
New Trees	No	
RECREATION OPPORTUNITIES WITHIN 1 MILE		
Illicks Mill		0.5 Miles Public - City of Bethlehem
Liberty High School		0.6 Miles Public - Beth. Area School District
Northeast Middle School		0.8 Miles Public - Beth. Area School District
William Penn Elementary		0.8 Miles Public - Beth. Area School District
Elmwood Park		1.0 Miles Public - City of Bethlehem
Ice Rink/Memorial Pool		1.0 Miles Public - City of Bethlehem



Drop In Camp program at Bernie Fritz Park on basketball court. Court is well used but lines are not painted and court is not coated.



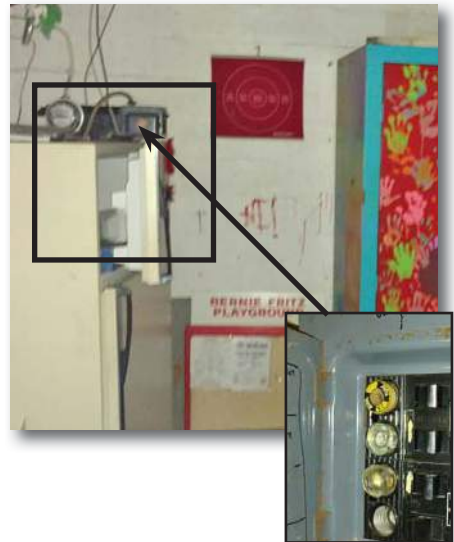
Play equipment generally does not meet current safety standards or accessibility guidelines. Inconsistent mulch depth and fall zones. Not inclusive. Bituminous areas provide limited accessibility. No sidewalks on roads surrounding this park.

CITY OF BETHLEHEM

Worn roof edge, rotting frieze board, degraded and missing shingles.

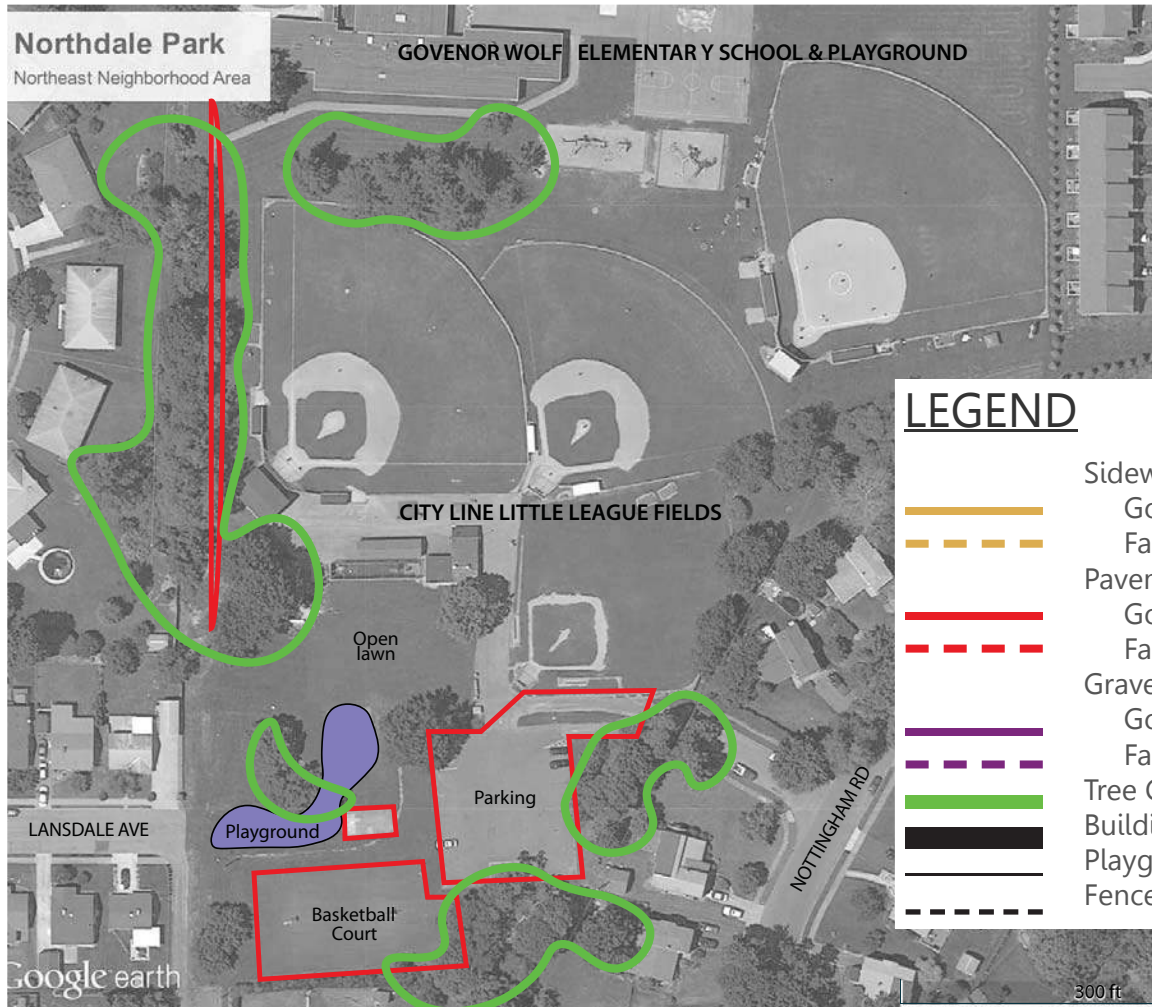


Outdated and inaccessible electrical panel.



BERNIE FRITZ: PLAYGROUND BUILDING

BERNIE FRITZ: PLAYGROUND BUILDING		
FAÇADE		
Materials	Brick w/ CMU back-up	
Condition	Select areas require attention - See Photos	
ROOF		
Type	Asphalt Shingles	
Condition	Shows Wear, Missing Shingles, Patched Areas	
Age of Installation	Unknown	
FOUNDATION WALLS		
Materials	Concrete	
Condition	Select areas require attention - See Photos	
STRUCTURE		
Materials	Brick w/ CMU Bearing Walls	
Condition	Fair, Select areas need attention	
WINDOWS		
Type	N/A	
Materials	N/A	
Condition	N/A	
DOORS		
Type	Overhead	Man Door (2)
Materials	Wood	H.M./H.M. Frame
Accessible	No	No
Condition	Poor/See Photos	Poor/See Photos
ACCESSIBILITY		
RESTROOMS		
Sinks	Non-ADA Compliant/See Photos	
Water Closet	Non-ADA Compliant/See Photos	



DESCRIPTION:

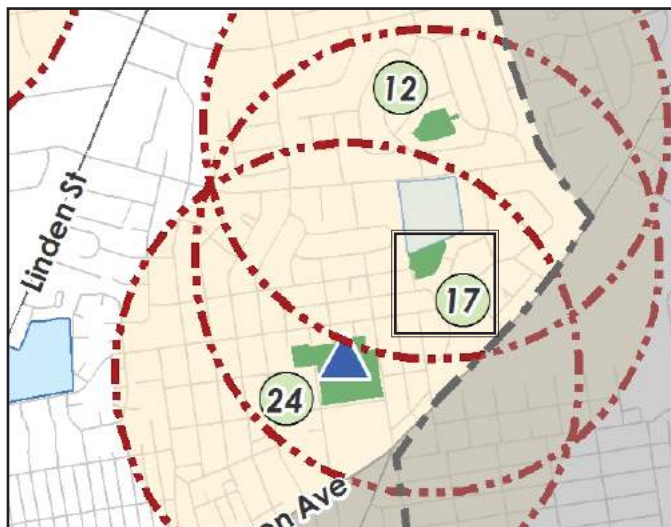
Nottingham Rd.& Lansdale Ave.
Neighborhood Park
Land Use:

Not Including Athletic Fields

Total Acreage	2.00 acres
Paved Area	1.05 acres
Gravel Paths	0.00 acres
Lawn Area	0.45 acres
Tree Canopy	0.43 acres
Playground	0.11 acres

Topography: Level to Nearly Level <5%
Service Area: .25-.50 Miles

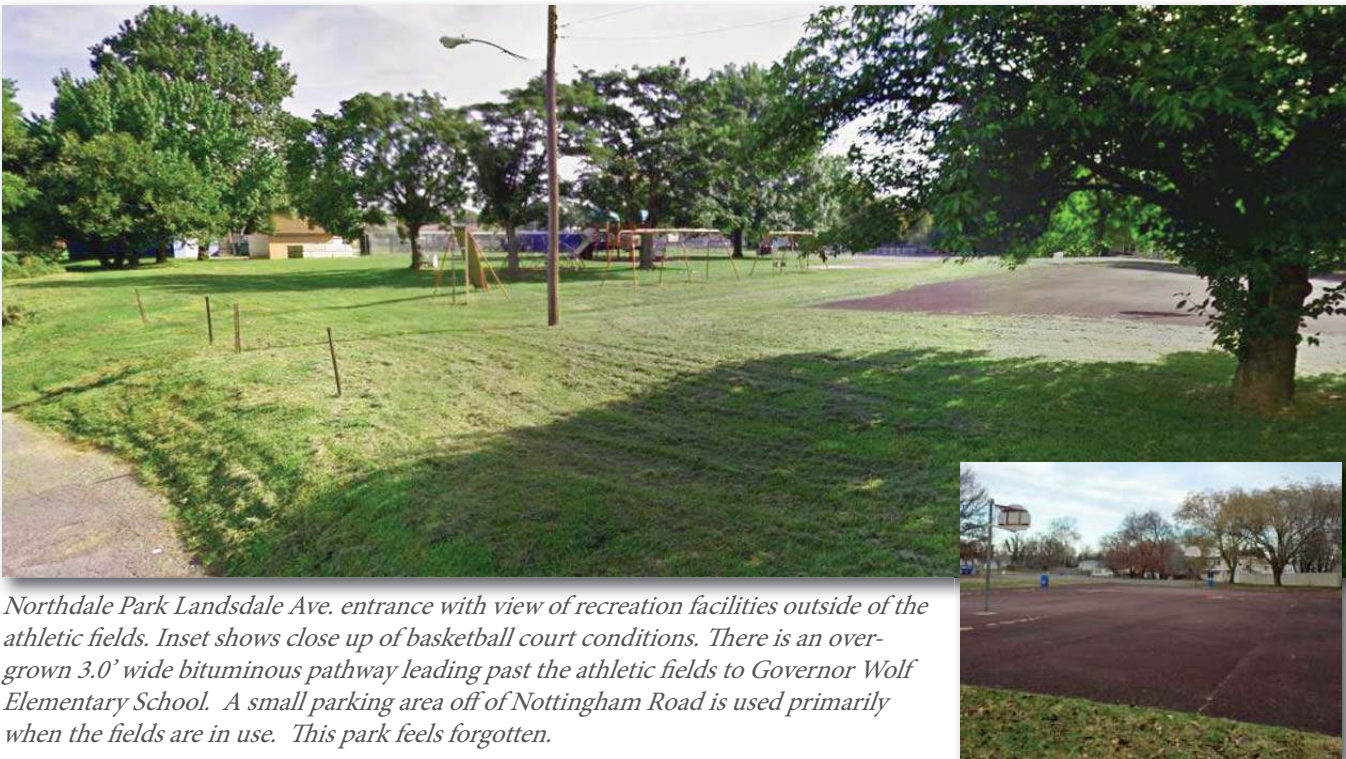
SERVICE AREA:



NORTHDALE PARK

CITY OF BETHLEHEM

ACTIVE FACILITIES				
<i>NORTHDALE PARK</i>	Qty	Materials	1-3	Comments
PLAY EQUIPMENT				
Modular	1	Plastic/Metal	2	Well Used, Wood Rotting
Swings	2		1	1 broken swing, rusty
Seats	8		1	4 bench, 1 sling, 1 broken, 2 tot
Slides	1	Metal	1	Metal rusty
Climbers	1	Metal	1	Metal rusty
BASKETBALL COURTS	1	Bituminous uncoated	3	Fenced w/ Seating and 6 lights
BASEBALL/SOFTBALL FIELDS	3.2 AC			Cityline Little League
PASSIVE FACILITIES				
PATHWAYS	Yes	Bit. Path to School	1	Cracking
PAVILION	0			
BUILDINGS	0			See City Buildings Pages
SUPPORT FACILITIES				
BENCHES	1	Plastic Coated	2	Playground
PICNIC TABLES	1	Plastic Coated	3	Playground
FENCE	No			
SIGNS				
Rules	1	Aluminum	3	at all activity centers
Adopt A Park / Funding	0	Aluminum		
TRASH				
Receptacles / Barrels	1	Plastic	1	Un-Attractive
Recycle Bins	0	Plastic	2	
DRINKING FOUNTAINS	0	Metal	1	
PARK LIGHTING	2	Metal Posts	2	on concession stand



Northdale Park Lansdale Ave. entrance with view of recreation facilities outside of the athletic fields. Inset shows close up of basketball court conditions. There is an over-grown 3.0' wide bituminous pathway leading past the athletic fields to Governor Wolf Elementary School. A small parking area off of Nottingham Road is used primarily when the fields are in use. This park feels forgotten.

Comprehensive Parks & Pools Study

ACCESS & CIRCULATION			
NORTHDALE PARK	Y/N	Comments	
PARKING	Yes	Used for Baseball Fields: Off Street Lot	
Handicapped	Yes	In Parking Lot off of Nottingham Road	
PEDESTRIAN ACCESS			
ADA to Park	Yes	Neighborhood Sidewalks, ADA Ramps	
SAFETY			
Cameras	No		
Vandalism	No		
VEGETATION			
Invasives/Noxious	Yes	Lawn Weeds, Weeds under Fencing, Invasives along edges	
Existing Trees	Yes	Mature Trees Throughout	
RECREATION OPPORTUNITIES WITHIN 1 MILE			
Governor Wolf Elementary		0.1 Miles	Public-Beth.Area School District
LG Stewart Park		0.3 Miles	Public - City of Bethlehem
Sell Field		0.4 Miles	Public - City of Bethlehem
East Hills Middle School		0.9 Miles	Public-Beth.Area School District
Miller Heights Elementary		0.9 Miles	Public-Beth.Area School District
Spring Garden Elementary		0.9 Miles	Public-Beth.Area School District
Bayard Park		1.0 Miles	Public - City of Bethlehem



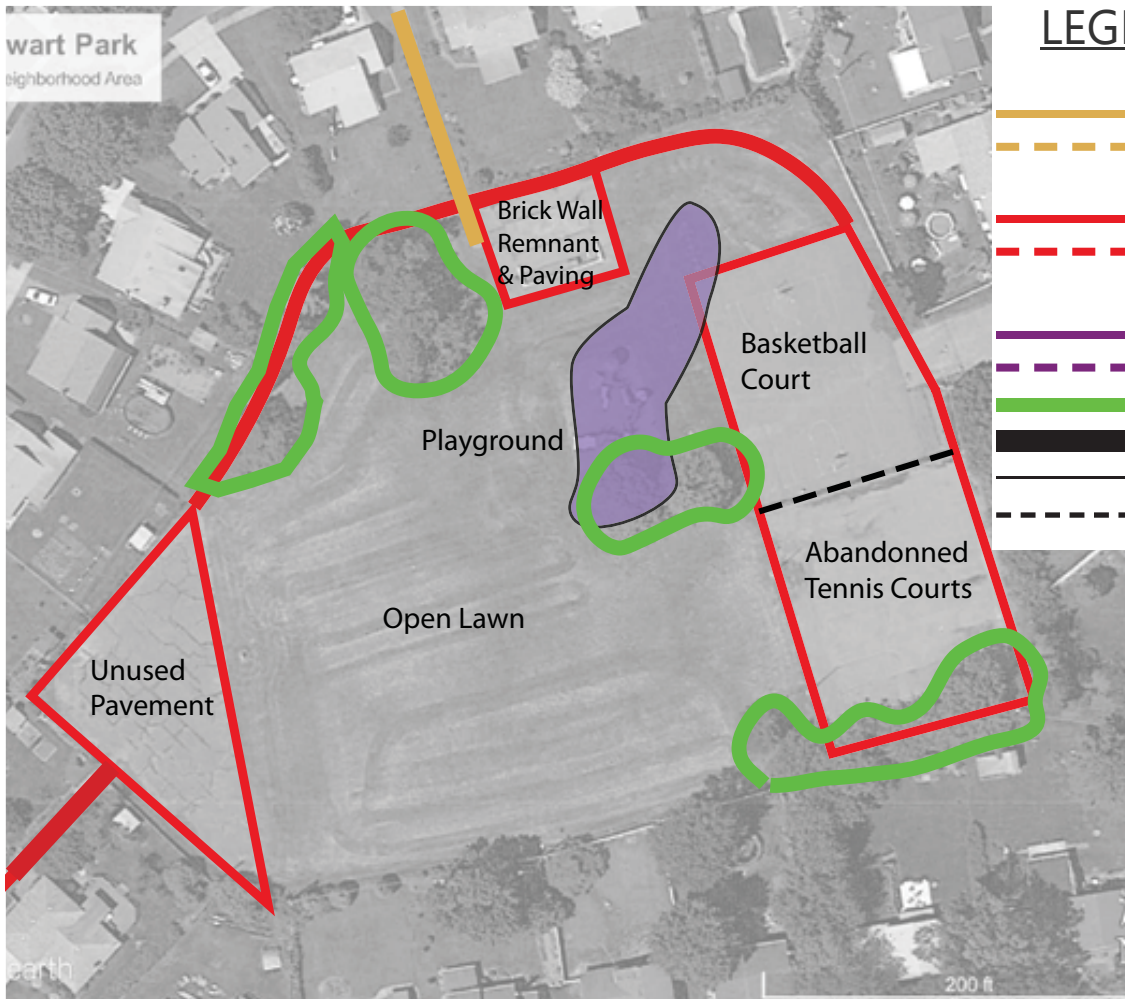
Play equipment generally does not meet current playground safety standards or accessibility guidelines. Mulch is inconsistent in depth if it is present at all and fall zones do not meet current guidelines. Bituminous areas provide limited accessibility. Neighborhood sidewalks do not connect pedestrians to the play equipment at this park.



New tree planting can be seen behind this concrete pad left behind when rest room building was removed. There are no pathways from the ADA parking spaces to active or passive facilities.

CITY OF BETHLEHEM

L.G. STEWART



LEGEND

- Sidewalk Good
- - - Sidewalk Fair/Poor
- Pavement Good
- - - Pavement Fair/Poor
- Gravel Good
- - - Gravel Fair/Poor
- Tree Canopy
- Building
- - - Playground Fence



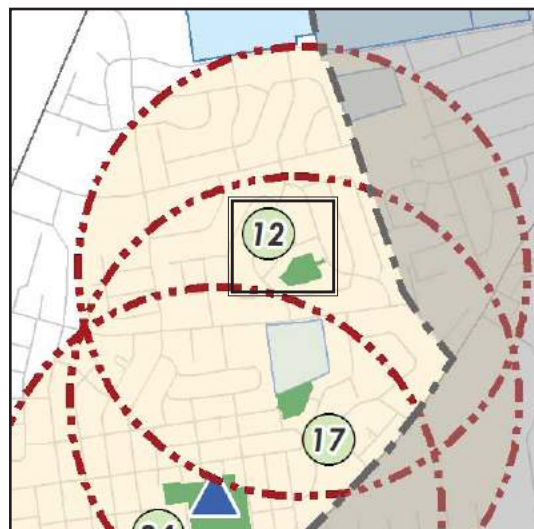
DESCRIPTION:

Westminster Rd.
Neighborhood Park
Land Use:

Total Acreage	3.00 acres
Paved Area	0.86 acres
Gravel Paths	0.00 acres
Lawn Area	1.41 acres
Tree Canopy	0.28 acres
Playground	0.06 acres

Topography: Level to Nearly Level <5%
Service Area: .25 - .50 Miles

SERVICE AREA:



Comprehensive Parks & Pools Study

ACTIVE FACILITIES				
LG STEWART PARK	Qty	Materials	1-3	Comments
PLAY EQUIPMENT				
Modular	1	Plastic/Metal/Wood	2	Well Used and maintained
Swings	2	Metal, V-Frame	1	Metal rusty
Seats	7	Plastic/Rubber	1	3 belt, 3 tot, 1 dual parent-child
Spring Toys	4	Plastic/Metal	1	Rusty, Chipping Paint
Tire Swings	1	Plastic/Metal	2	
TENNIS COURTS	1	Bituminous. uncoated	1	Abandoned
BASKETBALL COURTS	1	Bituminous. uncoated	1	Backboards and nets in poor condition
PASSIVE FACILITIES				
PATHWAYS	Yes	Bit. Concrete	2	3' Wide, from Entry Point along Perimeter, Broken and cracked
PAVILION	0			
COMMUNITY GARDENS	0			
BUILDINGS	0			See City Parks Buildings Page *
SUPPORT FACILITIES				
BENCHES	2	Concrete/Wood	2	Playground
PICNIC TABLES	2	Plastic Coated	3	Under tree near playground
WALL	1	Brick	2	U-Shaped, Storage Box Behind IT
FENCE	75 LF	10' Ht. Metal Chain Link	1	Rusted
SIGNS				
Rules	1	Aluminum	3	
Adopt A Park / Funding	1	Aluminum	3	Lisa Boscola
MEMORIALS	Yes	Brick	2	On Brick Monument with Flagpole
TRASH				
Recepticles / Barrels	1	Plastic	1	Un-Attractive
DRINKING FOUNTAINS	0	Metal		
PARK LIGHTING	4	Metal Posts	1	At Abandoned Tennis Courts - Not Operational
	1	Wood Pole.Cobra		Street Lighting on Stub St
REST ROOMS	0			



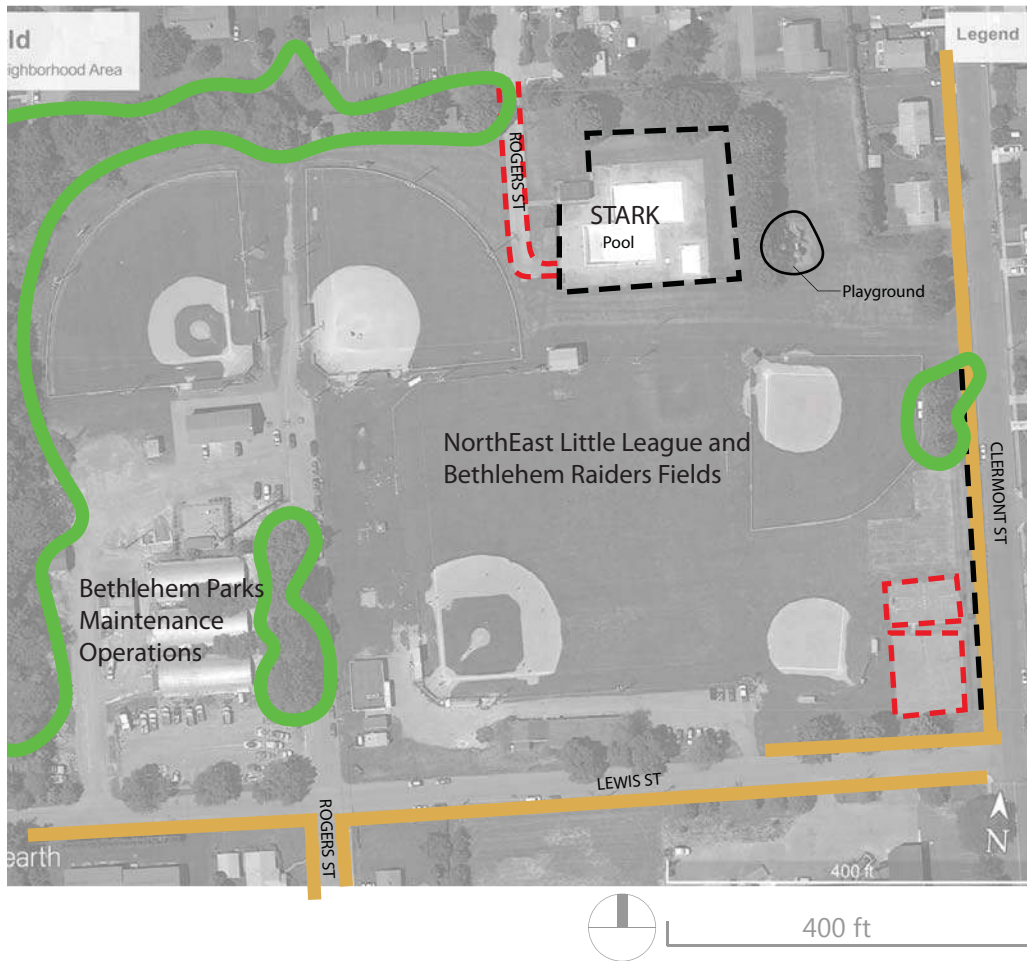
View of abandoned tennis, fence and lighting in un-used section of park. Large lawn area in this park is used for movie nights and drop in summer camp. Lots of un-used pavement. Courts in poor condition but scheduled to be repaved. Park feels like it could offer a lot more.

CITY OF BETHLEHEM

ACCESS & CIRCULATION			
LG STEWART PARK	Y/N	Comments	
VEHICULAR ACCESS	No		
PARKING			
Handicapped	No		
On-Street	Yes	Westminster & Shakespeare	
Internal	No		
MAINTENANCE ACCESS	Yes	From Stub Rd on Westminster, Chained Entry	
PEDESTRIAN ACCESS			
ADA to Park	Yes	Neighborhood Sidewalks & Connector Walks	
Crosswalks	No	Ramps in Neighborhood	
ADA To Facilities	No		
SAFETY			
Cameras	No		
Vandalism	No		
VEGETATION			
Invasives/Noxious	Yes	Lawn Weeds, Weeds under Fencing, Invasives	
Existing Trees	Yes	Mature Trees on Edges	
RECREATION OPPORTUNITIES WITHIN 1 MILE			
Governor Wolf Elementary		0.1 Miles	Public-Beth.Area School District
Northdale Park		0.2 Miles	Public - City of Bethlehem
East Hills Middle School		0.6 Miles	Public-Beth.Area School District
Sell Field		0.6 Miles	Public - City of Bethlehem
Miller Heights Elementary		1.0 Miles	Public-Beth.Area School District
Spring Garden Elementary		1.0 Miles	Public-Beth.Area School District



Play equipment generally does not meet current manufacturer or playground safety standards or accessibility guidelines. Mulch is inconsistent in depth if it is present at all and fall zones do not meet current guidelines. Concrete and bituminous walks connect neighborhood to park but not to facilities. There is no parking at this park. Many facilities here have been abandoned or just not maintained. The nearby high school and elementary schools provide alternate recreational facilities when school is not in session that residents use.



DESCRIPTION:

Lewis and Rodgers Streets
Neighborhood Park

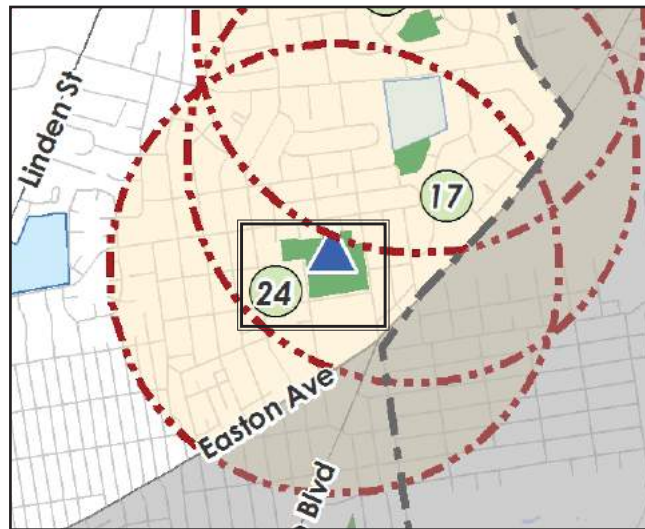
Land Use:
(Not including athletic fields)

Total Acreage	2.50 acres
Paved Area	1.66 acres
Gravel Paths	0.00 acres
Lawn Area	5.44 acres
Tree Canopy	0.69 acres
Playground	0.07 acres
Pool	0.72 acres

Topography: Level to Nearly Level, <5%

Service Area: .25-.50 Miles

SERVICE AREA:



SELL FIELD

CITY OF BETHLEHEM

ACTIVE FACILITIES				
SELL FIELD	Qty	Materials	1-3	Comments
PLAY EQUIPMENT				
Modular	1	Plastic/Metal	2	Well used, writing on set
Swings	0			
BASKETBALL COURTS	1	Bituminous uncoated	1	Cracked pavement, hoops removed
POOL/SPLASH PAD	1	Stark Pool	2	See City Parks Buildings Page *
BASEBALL/SOFTBALL FIELDS	4.6 AC			Northeast Little League
FOOTBALL FIELDS	1.1 AC			Bethlehem Raiders Football
PASSIVE FACILITIES				
PATHWAYS	No	Gravel	1	Overgrown Looping Paths
PAVILION	0			
BUILDINGS	4			See City Parks Buildings Page *
SUPPORT FACILITIES				
BENCHES	5	Concrete/Wood	2	At Playground
PICNIC TABLES	3	Wood	3	Pool area
FENCE	1400 LF	10' Ht. Chain Line	1	Surrounding pool and on Clermont St
SIGNS				
Rules	1	Aluminum	3	at all activity centers
Adopt A Park / Funding	0	Aluminum		Northeast Youth Sports
TRASH				
Receptacles / Barrels	8	Plastic	1	Un-Attractive
Recycle Bins	4	Plastic	2	at pool area
PARK LIGHTING	2	Wood Pole.Cobra	2	Street Lighting on Rodgers St

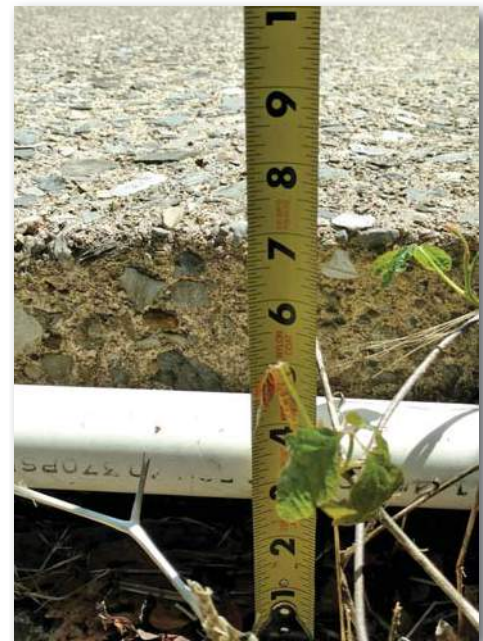


Abandoned Basketball Court and other unused blocks of paved area with no street access. Most of the park is used for athletic fields, and the Bethlehem Parks Maintenance Department is located on Rodgers Street, which runs through this park. A very small hidden portion of the park serves as a neighborhood park with play ground equipment. Stark Pool is located in this park.

ACCESS & CIRCULATION			
SELL FIELD	Y/N	Comments	
PARKING			
Handicapped	No		
On-Street	Yes	On Lewis St	
Internal	Yes	Parking lot accessible on Lewis St or on Rodgers St	
MAINTENANCE ACCESS	Yes	Rodgers Street	
PEDESTRIAN ACCESS			
ADA to Park	Yes	Neighborhood Sidewalks	
Crosswalks	No		
ADA To Facilities	No		
SAFETY			
Cameras	No		
Vandalism	Yes	Graffiti on Modular Playset	
VEGETATION			
Invasives/Noxious	Yes	Lawn Weeds, Weeds under Fencing and buildings	
Existing Trees	Yes	Mature Trees Throughout	
RECREATION OPPORTUNITIES WITHIN 1 MILE			
Governor Wolf Elementary		0.4 Miles	Public-Beth.Area School District
Northdale Park		0.4 Miles	Public - City of Bethlehem
Bayard Park		0.6 Miles	Public - City of Bethlehem
LG Stewart Park		0.6 Miles	Private - Historic Beth. Partnership
Lincoln Elementary School		0.7 Miles	Public-Beth.Area School District
Spring Garden Elementary		0.7 Miles	Public-Beth.Area School District
Marvine Elementary School		0.9 Miles	Public-Beth.Area School District



The singular piece of playground equipment at Sell Field is located outside of the pool. Access to this playground is by way of a dead end street with no sidewalks. This unit is frequently vandalized because of poor access and visibility.



A section of the exterior walkway that leads to the pool building has subsided.

CITY OF BETHLEHEM

Degraded soffit and fascia board.



Ceiling light fixture full of water.



SELL FIELD: STARK POOL BUILDING	
FAÇADE	
Materials	Wood Siding/Stucco/Painted CMU
Condition	Select areas require attention - See Photos
ROOF	
Type	Rubber Membrane
Condition	Poor - Leaks/See Photos
Age of Installation	Unknown
FOUNDATION WALLS	
Materials	Concrete
Condition	Unknown
STRUCTURE	
Materials	CMU
Condition	Fair/Select areas require attention/See Photos
WINDOWS	
Type	Boarded Over
Materials	Wood
Condition	Poor
DOORS	
Type	Man Door
Materials	H.M./H.M. Frame
Accessible	No
Condition	Poor
ACCESSIBILITY	
RESTROOMS	
Sinks	Non-ADA Compliant/See Photos
Water Closet	Non-ADA Compliant/See Photos





POOL SIZE	
Main Pool	255,816 Gallons
Wading Pool	17,952 Gallons
SQUARE FOOTAGE	
Main Pool	6,150 ft ²
Wading Pool	2,400 ft ²
FILTER	
Main Pool	Open Tank Vacuum DE - 7HP Pump @ 509 GPM
Wading Pool	Sand @ 75 GMP
MOST RECENT RENOVATIONS	
1984	Pool Tank
2003	Main Pool Filter
DEFICIENCIES	
MAIN POOL TANK	A contrasting indicator line should be painted around the pool perimeter.
	ADA Compliance does not exist.
	Existing Expansion Joints should be replaced.
WADING	ADA Compliance does not exist.
	Existing coping is in fair to poor condition.

CITY OF BETHLEHEM

DEFICIENCIES CONTINUED:

MAIN POOL FILTER	Open tank Vacuum DE system is the most efficient system.
	Pool is operating at an 8hr turnover rate and does not meet todays 6hr standard.
	Open tank DE system is not sized for 1 gallon per sf of pool surface.
	DE leafs are sized to accomodate 8hr turnover and not 6hr.
	Pool return piping is not sized for todays standard turnover or allowable ft/sec.
	Gutter piping is not sized for todays standard turnover or allowable ft/sec.
	Main drains will need to be replaced to meet VGB requirements if upgraded.
WADING POOL FILTER	Pool appears to be operating at a 4 hour turnover rate.
FILTER	Existing Chemical Tank is not Venting to the exterior of the building
	Skimmer Boxes are aged and should be replaced.
	Pool drain does not meet todays VGB requirments and should be replaced.
	All existing Schedule 40 piping should be replaced with Schedule 80.
	Piping should be suspended from stucture or secured to floor structure.
	Chemical Feed Pump appears to be outdated and should be replaced.
CONCRETE DECK	An Air Gap does not existing between back wash line and discharge line.
FEATURES	Concrete decking is in fair condition.
	Currently no features existing at Stark Pool

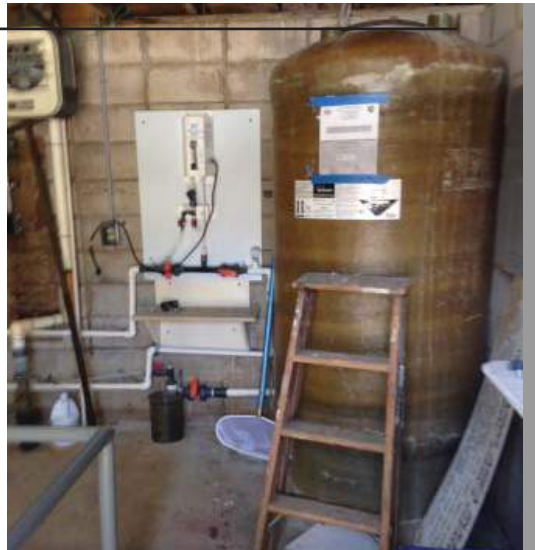
Un-Vented Chemical Tank



Corroded Flow Control Valve



Chemical Controller

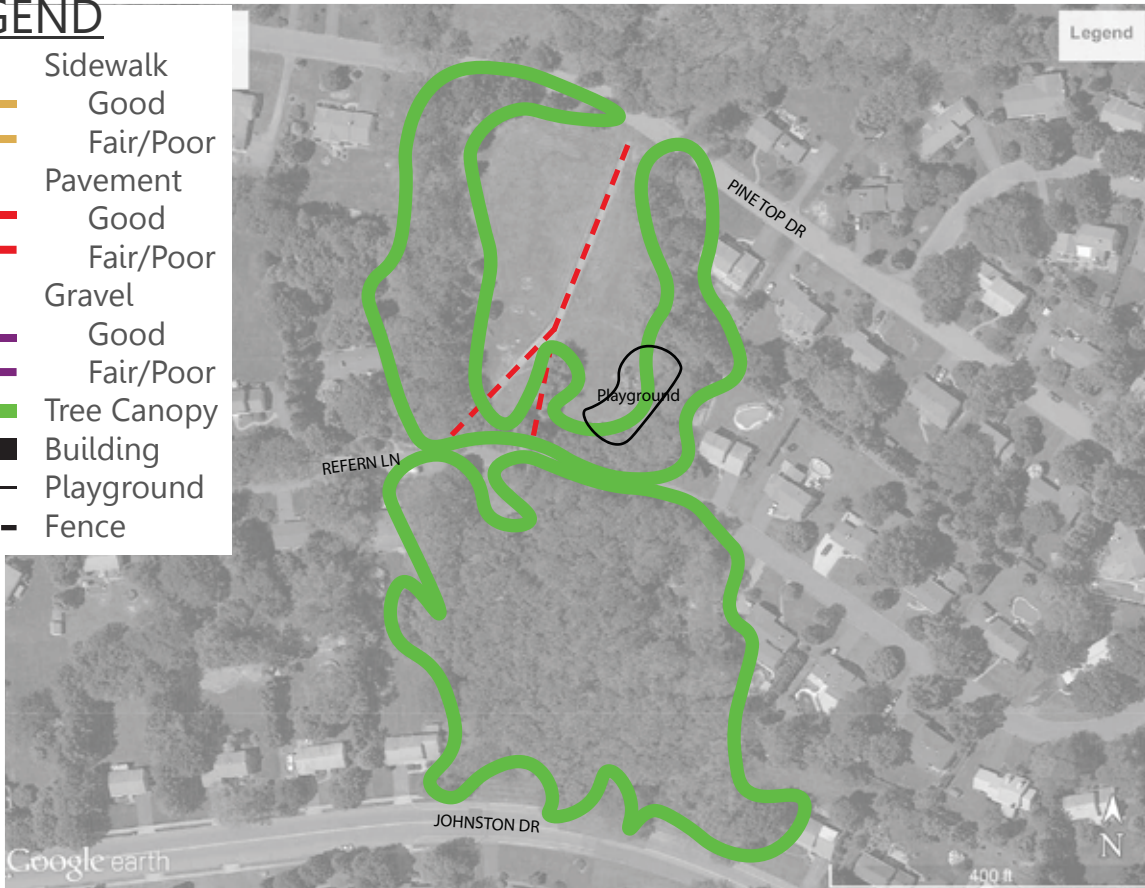


Wading Pool Filter System



LEGEND

- Sidewalk
 - Good
 - - - Fair/Poor
- Pavement
 - Good
 - - - Fair/Poor
- Gravel
 - Good
 - - - Fair/Poor
- Tree Canopy
 - Good
 - - - Fair/Poor
- Building
- Playground
- Fence



DESCRIPTION:

Between Johnston Drive, Red Fern Lane,
and Pine Top Drive
Open Space Parcel
Storm water Management

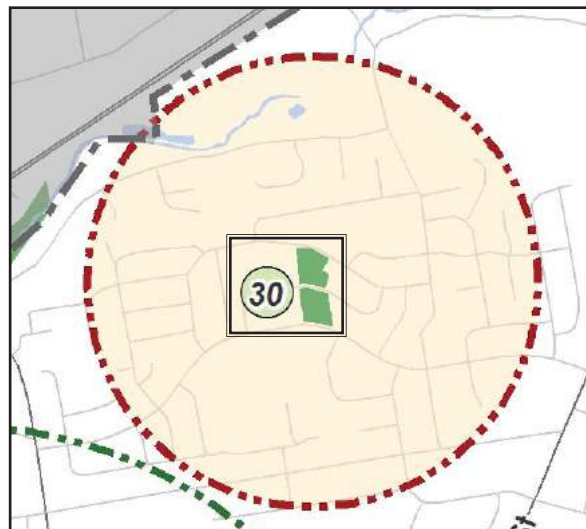
Land Use:

Total Acreage:	8.7 acres
Paved Area	.5 acres
Lawn Area	3.2 acres
Tree Canopy	5.5 acres
Playground	0.2 acres

Topography: Level to Moderate Slope, 2-10%

Service Area: .25-.50 Miles

SERVICE AREA:

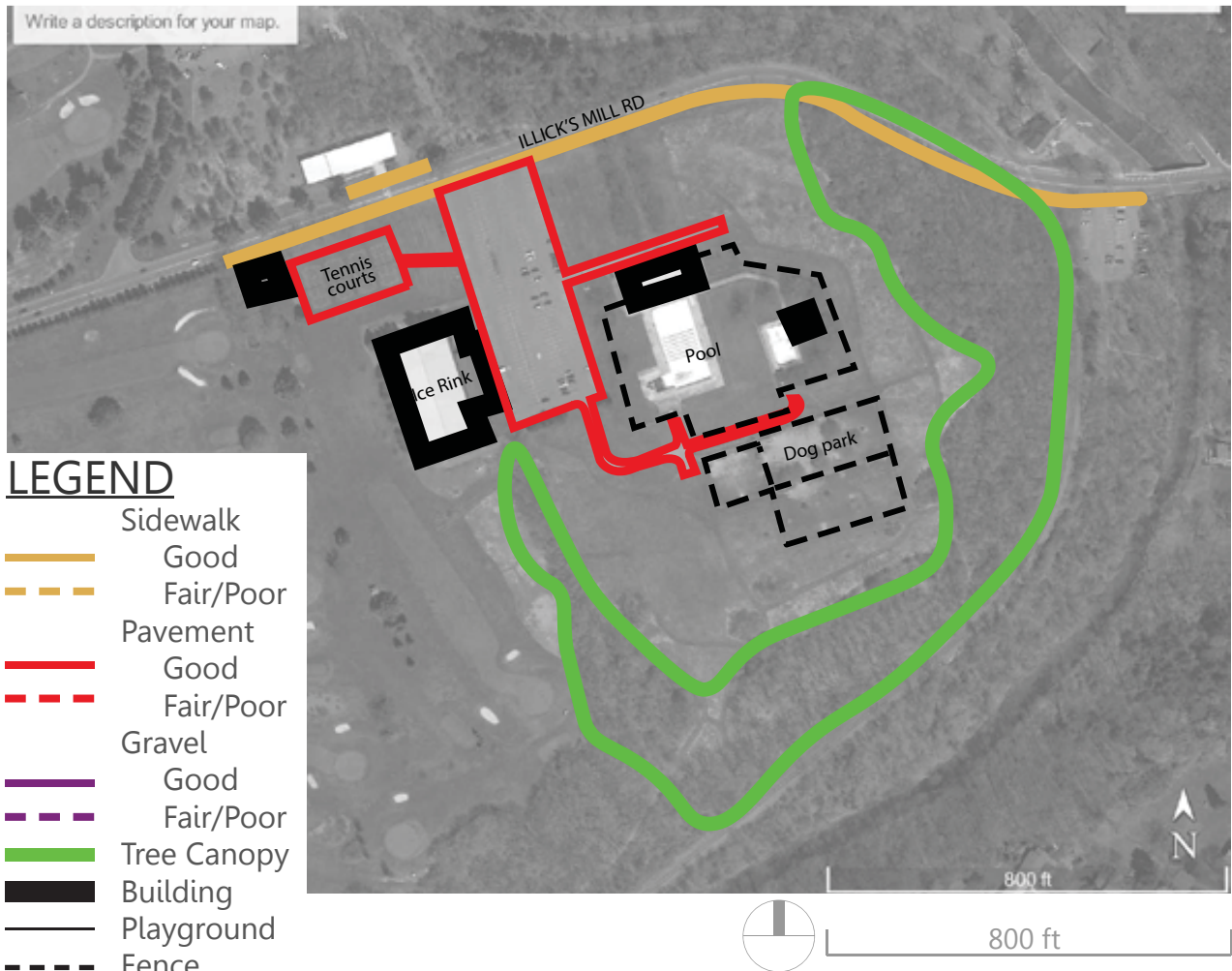


YELLIS TRACT

CITY OF BETHLEHEM

ACTIVE FACILITIES				
YELLIS TRACT	Qty	Materials	1-3	Comments
PLAY EQUIPMENT				
Modular	1	Plastic/Metal	2	Dated. Not mulched
Swings	1	Plastic/Metal	1	Rusty
Seats	2	Plastic/Metal	1	1 bench, 1 sling
Slides	1	Metal	1	Rusty
Seesaws	1	Metal	1	Rusty
PASSIVE FACILITIES				
DRAINAGE STRUCTURES	2	Concrete Headwalls	2	Drainage Structures end to end
SIGNS				
Rules	1	Aluminum	3	at all activity centers
TRASH				
Recepticles / Barrels	1	Plastic	1	Un-Attractive
PARK LIGHTING	3	Wood Pole.Cobra	3	On Redfern Ln & Pine Top Trail





DESCRIPTION:

Illicks Mill Road.
 Community Park.
 Athletic Fields, Golf Course, & Recycling Centers not included in these totals.
 Land Use:

Total Acreage:	277.90 acres
Paved Area	4.23 acres
Lawn Area	32.63 acres
Tree Canopy	38.71 acres
Pool	1.57 acres
Dog Park:	2.97 acres

Topography: Level to Moderate Slope, 2-15%

Service Area: 1 - 4 Miles

Amenities Include: Memorial Pool, Outdoor Ice Rink, Tennis Courts & Dog Park.

SERVICE AREA:



MONOCACY PARK

CITY OF BETHLEHEM

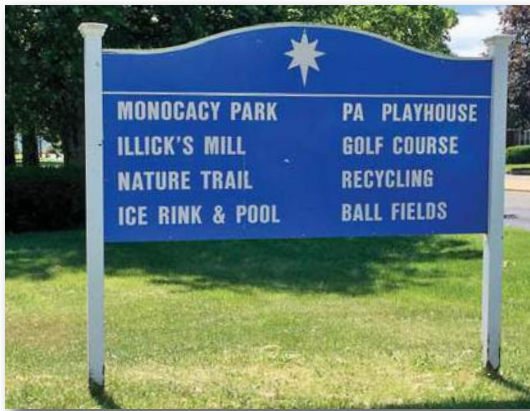
ACTIVE FACILITIES				
<i>MONOCACY PARK</i>	Qty	Materials	1-3	Comments
PLAY EQUIPMENT				
Modular	0			
Swings	0			
TENNIS COURTS	4	Bituminous. Coated	3	Well Used and Maintained
BASKETBALL COURTS	0			
POOL/SPLASH PAD	2	Concrete.50 yrds	2	See City Parks Pools Page *
		Concrete. Wading	2	See City Parks Pools Page *
ICE RINK	1	Wooden Building	2	Well Used/Beautiful Ice/Building in Fair Condition
PASSIVE FACILITIES				
PATHWAYS	Yes	Concrete/Bituminous	1	Pool, Ice Rink and Dog Park Access
TRAIL	Yes	Grass,Earth,Stone	1	Monocacy Way
DOG PARK	1	Lawn and Fence	2	Gated off leash dog park
BUILDINGS	*			See City Parks Buildings Page *
SUPPORT FACILITIES				
BENCHES	24	Concrete/Wood	1	In Pool and Dog Park Area
	1	Plastic Coated	2	In Pool Area
PICNIC TABLES	2	Wood	2	In Pool Area, Not Accessible
	2	Plastic Coated	2	In Pool Area, Not Accessible
FENCE	1870 LF	4' ht.,Chain Link	3	Green Vinyl, Around Dog Park
	2240 LF	10' Ht. Chain Link	1	Pool and Tennis Court-some rust
SIGNS				
Rules	1	Aluminum	3	Off Leash Park Rules
No Dogs	1	Aluminum	3	Dogs Must Be Leashed
Monocacy Park Sign	1	Aluminum	2	At Illick's Mill Rd & Schoenersville Rd
Environmental Signs	2	Aluminum	3	Changes Coming, Wildlife Habitat
TRASH				
Barrels	10+	Plastic	1	Un-Attractive
DRINKING FOUNTAINS	0	Metal		
PARK LIGHTING	20	Metal Pole. Double Head LED Cobras	2	Street and Parking Lot Lighting, Recycling, Athletic Fields and Ice Rink have Night Lighting



Four Tennis Courts at Monocacy Park

Comprehensive Parks & Pools Study

ACCESS & CIRCULATION			
MONOCACY PARK	Y/N	Comments	
PARKING			
Handicapped	Yes	In Parking Lot for Pool/Ice Rink	
On-Street	No		
Internal	Yes	Large Lot for Pool/Ice Rink/Dog Park	
PEDESTRIAN ACCESS			
ADA to Park	Yes	Sidewalk-Illick's Mill Rd-Existing Slope Prohibits ADA compliance	
ADA To Facilities	Yes	Not Consistent , Limited Compliance	
SAFETY			
Cameras	No		
Vandalism	No		
VEGETATION			
Invasives/Noxious	Yes	Lawn Weeds, Weeds under Fencing, Invasives in Woods	
Existing Trees	Yes	Sparse Mature Trees	
RECREATION OPPORTUNITIES WITHIN 1 MILE			
Bernie Fritz Park		0.5 Miles	Public - City of Bethlehem
James Buchanan Elementary		0.7 Miles	Public-Beth.Area School District
Rose Garden		0.9 Miles	Public - City of Bethlehem
William Penn Elementary		0.9 Miles	Public-Beth.Area School District
Johnston Park		1.0 Miles	Public - City of Bethlehem



Monocacy Park Complex Features: The Pennsylvania Playhouse, Tennis, Ice Rink, Memorial Pool, Illicks Mill, Nature Trails, Athletic Fields, Recycling Centers, a Dog Park and an 18 Hole Golf Course



CITY OF BETHLEHEM

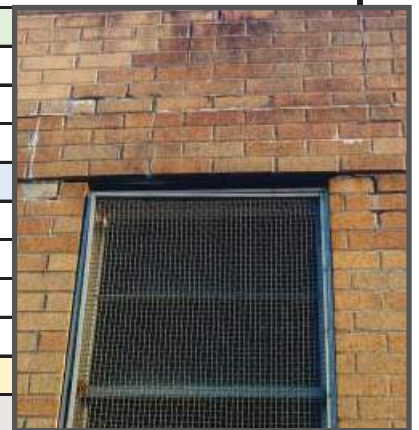


*Memorial Pool
Second Bath
House and
Tot Pool*

MONOCACY PARK: MEMORIAL POOL WADING POOL HOUSE	
FAÇADE	
Materials	Brick w/ CMU back-up
Condition	Select areas require attention - See Photos
ROOF	
Type	Rubber Membrane
Condition	Unknown
Age of Installation	Unknown
FOUNDATION WALLS	
Materials	Concrete
Condition	Unknown
STRUCTURE	
Materials	Brick w/ CMU back-up
Condition	Fair, Select areas require attention/See Photos
WINDOWS	
Type	Single Pane
Materials	H.M. Frame
Condition	Poor/See Photos
DOORS	
Type	Man Door
Materials	H.M./H.M. Frame
Accessible	No
Condition	Poor/See Photos
ACCESSIBILITY	
RESTROOMS	
Sinks	Non-ADA Compliant/See Photos
Water Closet	Non-ADA Compliant/See Photos
Urinals	Non-ADA Compliant/See Photos
Partitions	Poor Condition/Non-ADA Compliant/See Photos



MONOCACY PARK: MEMORIAL POOL BUILDING	
FAÇADE	
Materials	Brick w/ CMU back-up
Condition	Select areas require attention - See Photos
ROOF	
Type	Metal
Condition	Poor/See Photos
Age of Installation	Unknown
FOUNDATION WALLS	
Materials	Concrete
Condition	Select areas require attention - See Photos
STRUCTURE	
Materials	CMU
Condition	Poor, Select areas require attention/See Photos
WINDOWS	
Type	Single Pane, Inefficient
Materials	H.M. Frame
Condition	Poor/See Photos
DOORS	
Type	Man Door
Materials	H.M./H.M. Frame
Accessible	No
Condition	Poor/See Photos
ACCESSIBILITY	
RESTROOMS	
Sinks	Non-ADA Compliant/See Photos
Water Closet	Non-ADA Compliant/See Photos
Urinals	Non-ADA Compliant/See Photos
Partitions	Poor Condition/Non-ADA Compliant/See Photos



CITY OF BETHLEHEM



The Pool Filter room is Located under the Pool Deck

MONOCACY PARK: MEMORIAL POOL FILTER ROOM

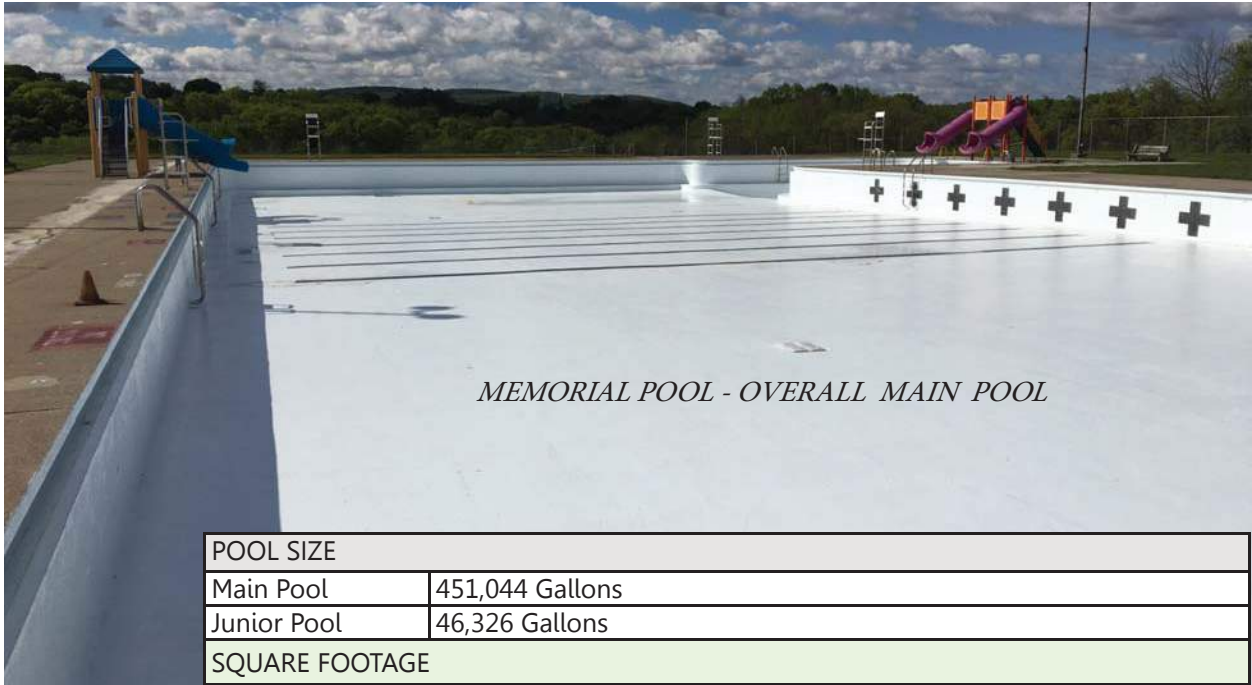
FAÇADE	
Materials	N/A
Condition	N/A
ROOF	
Type	Concrete Planks
Condition	Poor/See Photos
Age of Installation	Unknown
FOUNDATION WALLS	
Materials	Concrete
Condition	Select areas require attention - See Photos
STRUCTURE	
Materials	Steel with Concrete
Condition	Fair, Select areas need attention/See Photos



Deteriorating structural steel. The bearing points also show signs of degradation and cracking concrete.



Tunnel Opening

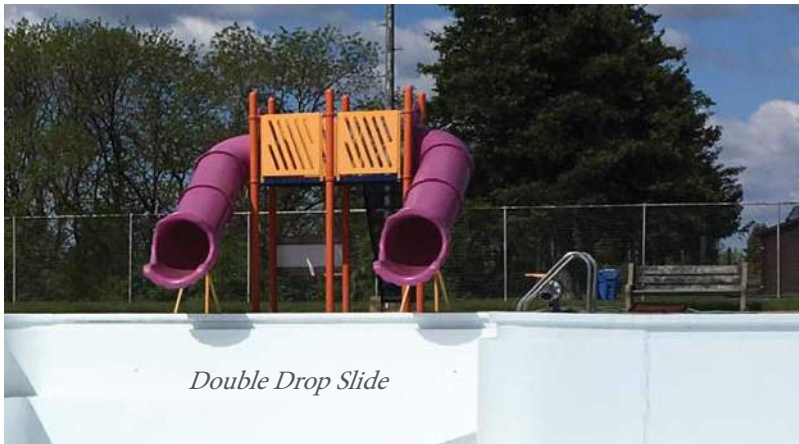


MEMORIAL POOL - OVERALL MAIN POOL

POOL SIZE	
Main Pool	451,044 Gallons
Junior Pool	46,326 Gallons
SQUARE FOOTAGE	
Main Pool	24,375 ft ²
Junior Pool	3,281 ft ²
FILTER	
Main Pool	Sand - Pump (2) 15 HP @ 10.03 GPM / SF
Junior Pool	Sand - Pump 3 HP @ 8.8 GPM/SF
MOST RECENT RENOVATIONS	
1989	Main Pool
1994	Junior Pool
DEFICIENCIES	
Main Pool Tank	ADA Compliance does not exist.
	Existing expansion joints should be replaced.
	Existing Tunnel should be infilled with clean material.
	Gutter inlets should be replaced.
	A Contrasting indicator line should be installed around entire pool.
	Several small cracks need to be repaired.



Double Slide



Double Drop Slide

MEMORIAL POOL at MONOCACY PARK

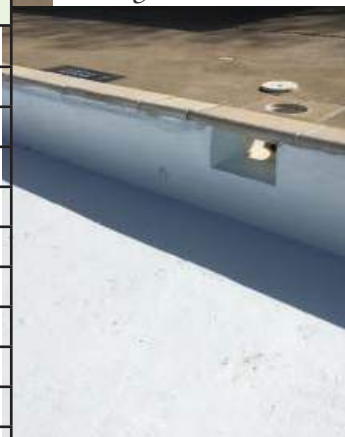
CITY OF BETHLEHEM



Water Feature



Wading Skimmer



Tunnel Close Up



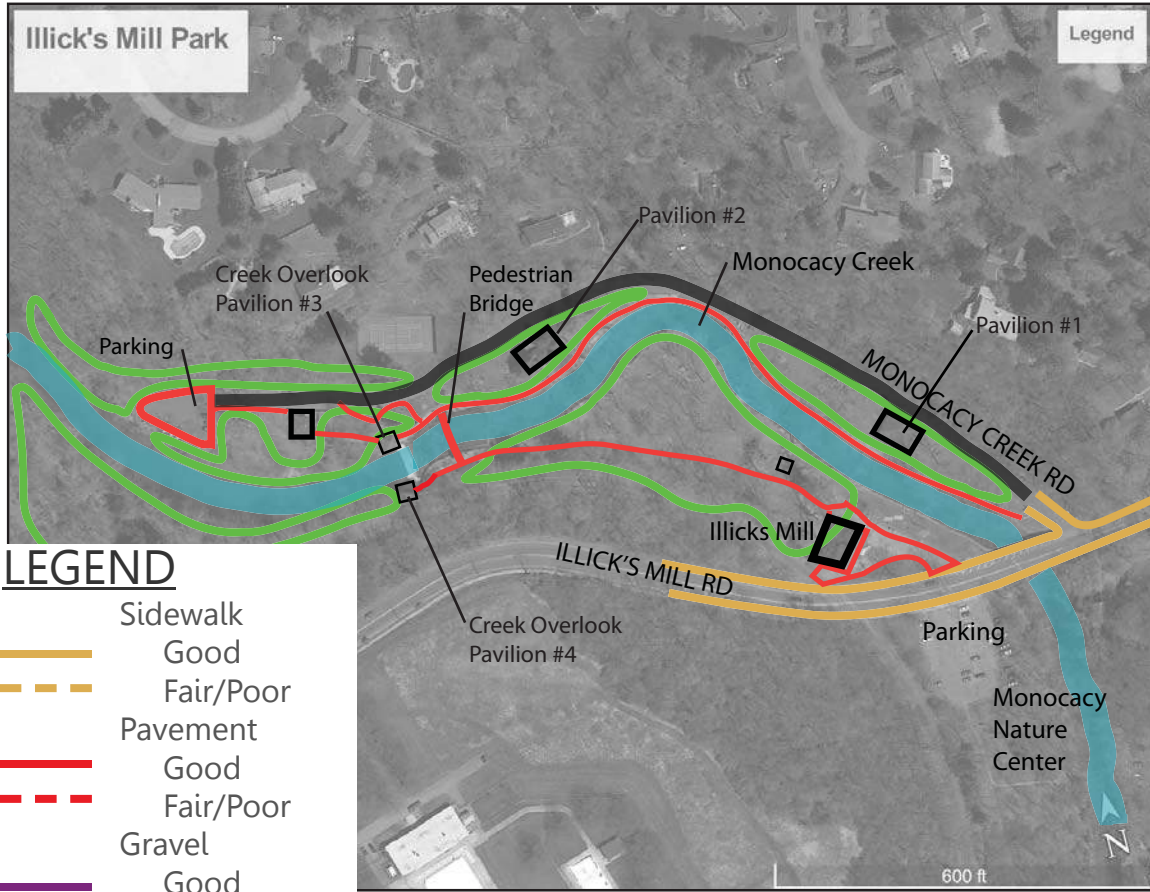
DEFICIENCIES CONTINUED:	
JUNIOR TANK	ADA Compliance does not exist.
	Existing Coping is in fair condition.
MAIN POOL FILTER	Rapid Sand Filter
	Pool is operating at an 6hr turnover rate
	Existing Tanks are relatively new. Media should be replaced.
	Gutter lines do not meet todays quantity requirement.
	Main Drains were not viewable during inspection.
	Filters do not appear to be vented.
	An air gap does not appear to existing at back wash line.
WADING FILTER	Filter is newer.
	Skimmers do not exist.
	Main Drains do not meet VGB requirments.
	Existing Coping is in Fair Conditions.
CONCRETE DECK	Concrete decking is in poor condition AND structure holding up the elevated slab is failing.
FEATURES	One double flume slide and one double drop slide exist.
	existing drop slide leaks.
	One water feature exists in the Junior pool
FILTER ROOM	Chlorine Tank is not vented to the exterior.



Face Piping



Back Wash Tanks



LEGEND

- Sidewalk
 - Good
 - - - Fair/Poor
- Pavement
 - Good
 - - - Fair/Poor
- Gravel
 - Good
 - - - Fair/Poor
- Tree Canopy
 - Good
 - - - Fair/Poor
- Building
 - Good
 - - - Fair/Poor
- Playground
 - Good
 - - - Fair/Poor
- Fence
 - Good
 - - - Fair/Poor

DESCRIPTION:

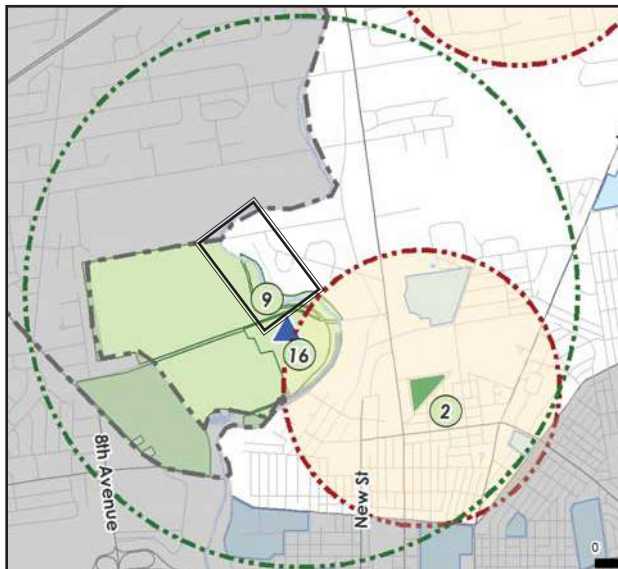
Illicks Mill Road
Community Park
Land Use:

Total Acreage:	17.90 acres
Paved Area	1.03 acres
Gravel Paths	0.00 acres
Lawn Area	0.31 acres
Tree Canopy	3.58 acres
Monocacy Creek	2.34 acres

Topography: Nearly Level, <5%
Service Area: 1-2 Miles



SERVICE AREA:



**ILLICKS MILL
at Monocacy Park**

CITY OF BETHLEHEM

ACTIVE FACILITIES				
ILLICKS MILL PARK	Qty	Materials	1-3 Rating	Comments
PLAY EQUIPMENT				
Modular	0	Plastic/Metal/Wood		
TENNIS COURTS	0			
PASSIVE FACILITIES				
PATHWAYS	Multiple	Bituminous, Concrete	1	4' Wide, Buckling, Non-Compliant
PAVILIONS	2	Stone/Wood	2	Well Used -Some Vandalism
	2	Stone/Wood	2	Overlooking Monocacy Creek Dam
GRILLS	6	Metal/Stone	1	Near pavilions and tables
BRIDGES	1	Stone/Metal/Concrete	2	No ADA Access
VOLUNTEER GARDENS	1		2	Around Illilcks Mill Building
BUILDINGS	2	Stone & Brick	2	See City Parks Buildings Page *
SUPPORT FACILITIES				
BENCHES	12	Concrete/Wood	2	On Pads along pathway
PICNIC TABLES	5	Wood	2	1 chained
	10	Stone	3	Located throughout the park
WALLS		Stone	2	WPA walls throughout the park, fair to poor condition
		Gabian	2	To retain creek bank
SIGNS				
Rules	2	Aluminum	3	English and Spanish
Adopt A Park / Funding	1	Aluminum	3	Illick's Mill Partnership
Directional Sign	0	Aluminum		
MEMORIALS	12	Concrete/Wood	2	Memorialized benches
TRASH				
Recepticles / Barrels	25	Plastic	2	Un-Attractive, throughout the park
Recycle Bins	4	Plastic	2	Un-Attractive, lined up near the mill
Dumpster	1	Metal	2	Un-Attractive, near the mill
DRINKING FOUNTAINS	1	Concrete	2	Near the Bridge & Dam
PARK LIGHTING	5	Wood Pole.Cobra	2	Street lighting - Parking lot lighting



Monocacy Creek dam

ACCESS & CIRCULATION			
ILLICKS MILL PARK	Y/N	Comments	
VEHICULAR ACCESS	Yes	Monocacy Creek Rd runs alongside park	
PARKING			
Handicapped	Yes	Both at Internal Crossroad Lots	
On-Street	No		
Internal	Yes	Small Lots at Illick's Mill Building and at End of Crossroad	
MAINTENANCE ACCESS	Yes	Monocacy Creek Rd	
PEDESTRIAN ACCESS			
Walls	Yes	Steps from Monocacy Creek Rd to Creek, Wall & Steps to Bridges	
ADA to Park	Yes	Paved Paths in Park	
Crosswalks	Yes	Illick's Mill Rd Crossing - Not ADA Compliant - No Curbcuts	
ADA To Facilities	No	Not to pavilions and bridges, ramp at Rest Room Building	
SAFETY			
Cameras	No		
Vandalism	Yes	Damage in Pavilions	
VEGETATION			
Invasives/Noxious	Yes	in lawn and in dense sections of woods	
Existing Trees	Yes	Mature Trees Throughout, ample shade	
RECREATION OPPORTUNITIES WITHIN 1 MILE			
Monocacy Park Complex		0.2 Miles	Public - City of Bethlehem
Bernie Fritz Park		0.5 Miles	Public - City of Bethlehem
William Penn Elementary		1.0 Miles	Public - Beth. Area School District
Liberty High School		1.0 Miles	Public - Beth. Area School District



Designated crosswalk



No ADA access for Bridge Crossing



Leaking Wall near Dam

CITY OF BETHLEHEM



Pavilion #2:

Missing fascia boards, typical. Rotting roof structure at drip edge.

ILICKS MILL PAVILIONS

FAÇADE	
Materials	N/A
Condition	N/A
ROOF	
Type	Wood T&G with Asphalt Singles
Condition	Roof Decking in Poor Condition
Age of Installation	Unknown
FOUNDATION WALLS	
Materials	Hand Laid Stone
Condition	Select areas require attention - See Photos
STRUCTURE	
Materials	Wood/Stone
Condition	See Photos for Typical Findings
WINDOWS	
Type	N/A
Materials	N/A
Condition	N/A
DOORS	
Type	Man Door (Shed)
Materials	N/A
Accessible	N/A
Condition	Poor/See Photos



Cracks in masonry.



Storage Shed: Rotting doors.



Pavilion #1: Roof is sagging and buckling



Pavilion #1: Horizontally cracked roof structure.



*Pavilions #1 and #2:
Rotted wood structure and roof decking.*



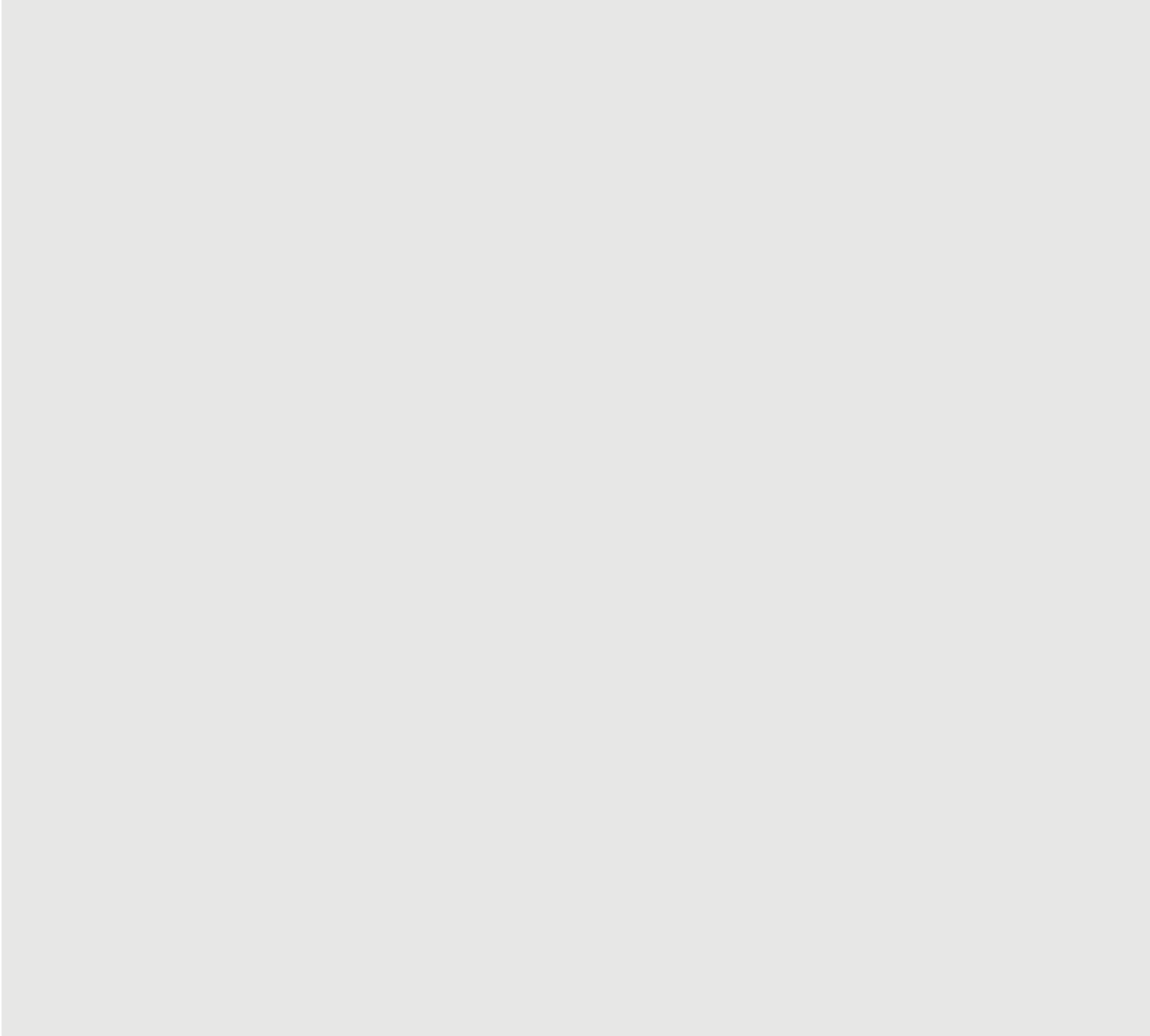
*-Monocacy Creek Overlook Pavilion #3:
Stone work has degraded pointing. No ADA access.*



*Monocacy Creek Overlook Pavilion #4:
Graffiti typical. Damaged or rotted roof edge typical.*



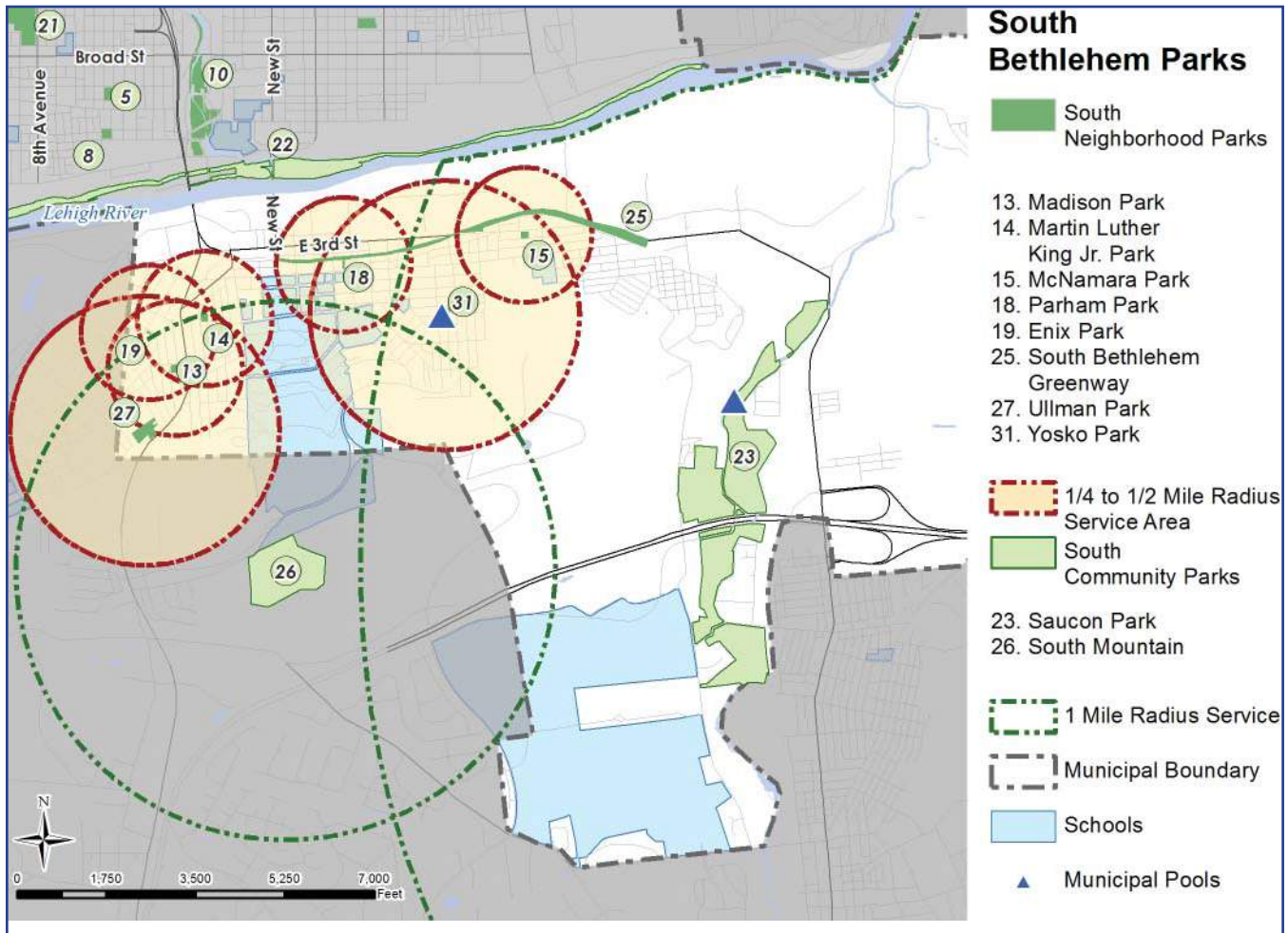
Pump House: Unsafe baring of entry.





Existing Conditions
South Bethlehem Parks & Pools

CITY OF BETHLEHEM



South Bethlehem Neighborhood Parks:

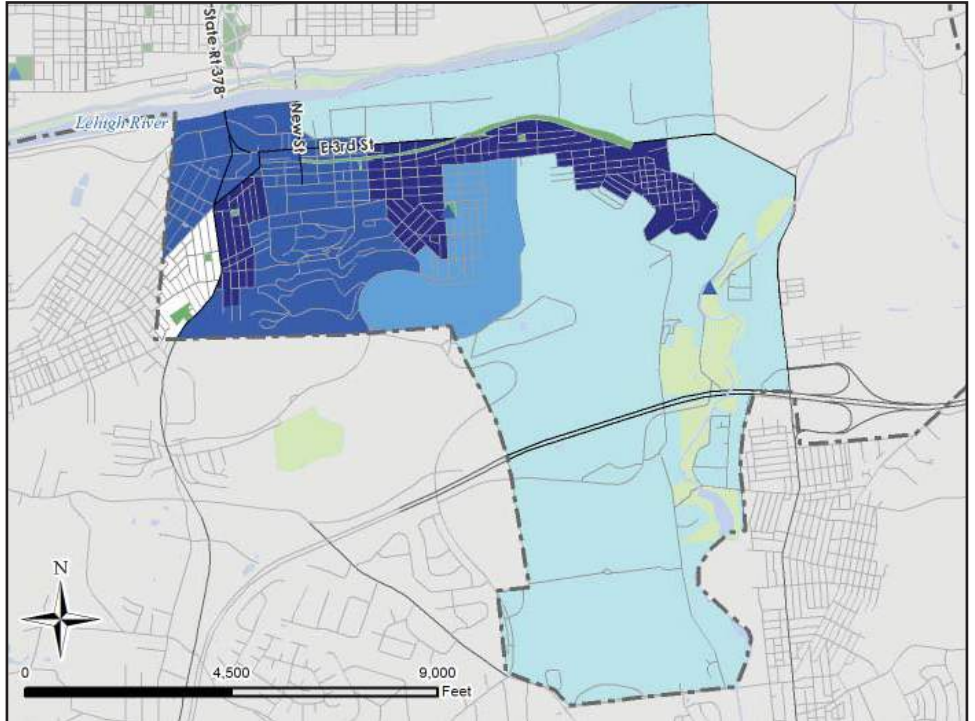
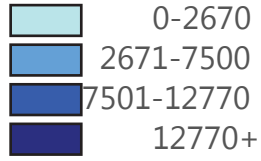
- Enix
- McNamara
- Madison
- Martin Luther King
- Parham
- South Bethlehem Greenway
- Ullman
- Yosko

South Bethlehem Community Parks:

- Saucon Park & South Mountain

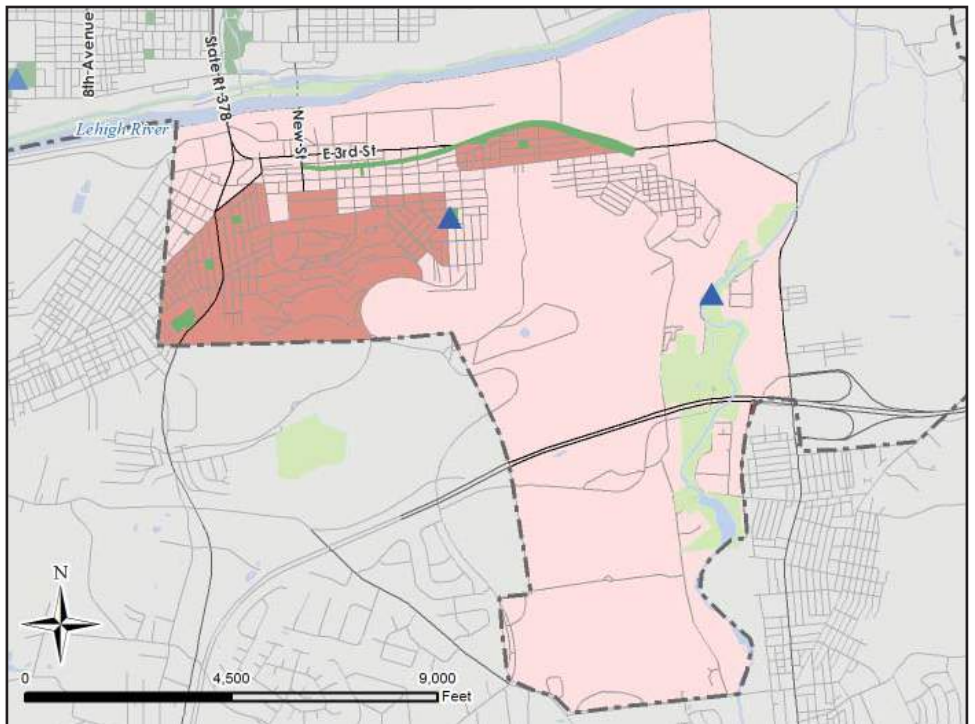
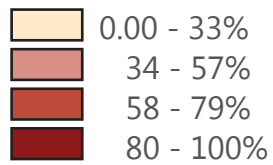
South Bethlehem
POPULATION PER SQUARE MILE

LEGEND



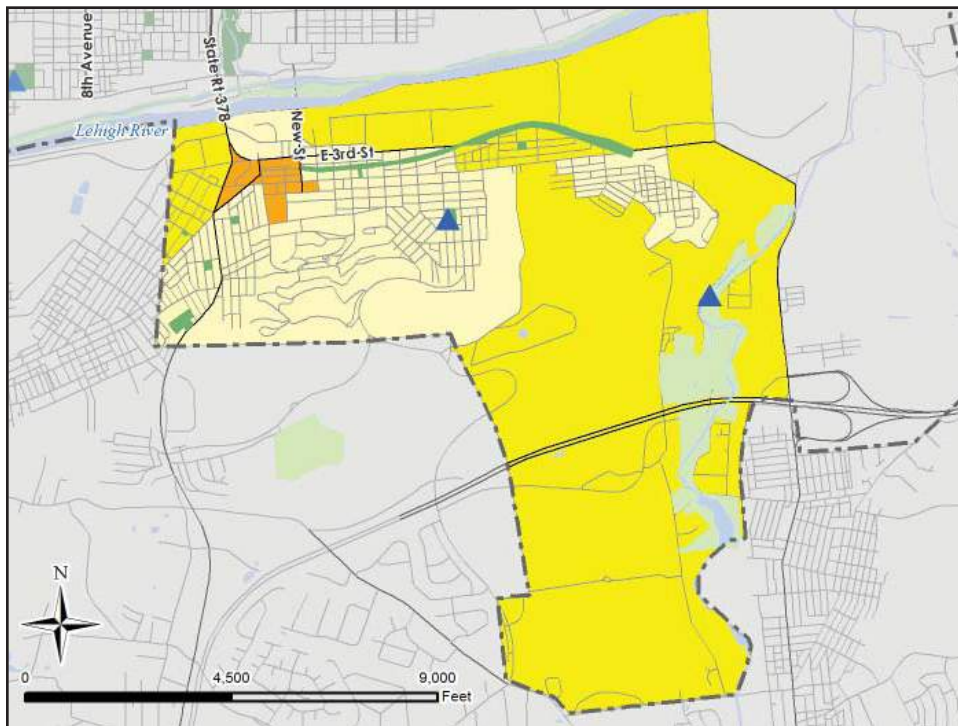
South Bethlehem
PERCENTAGE OWNER-OCCUPIED

LEGEND

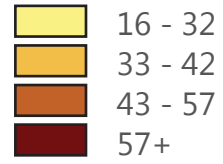


CITY OF BETHLEHEM

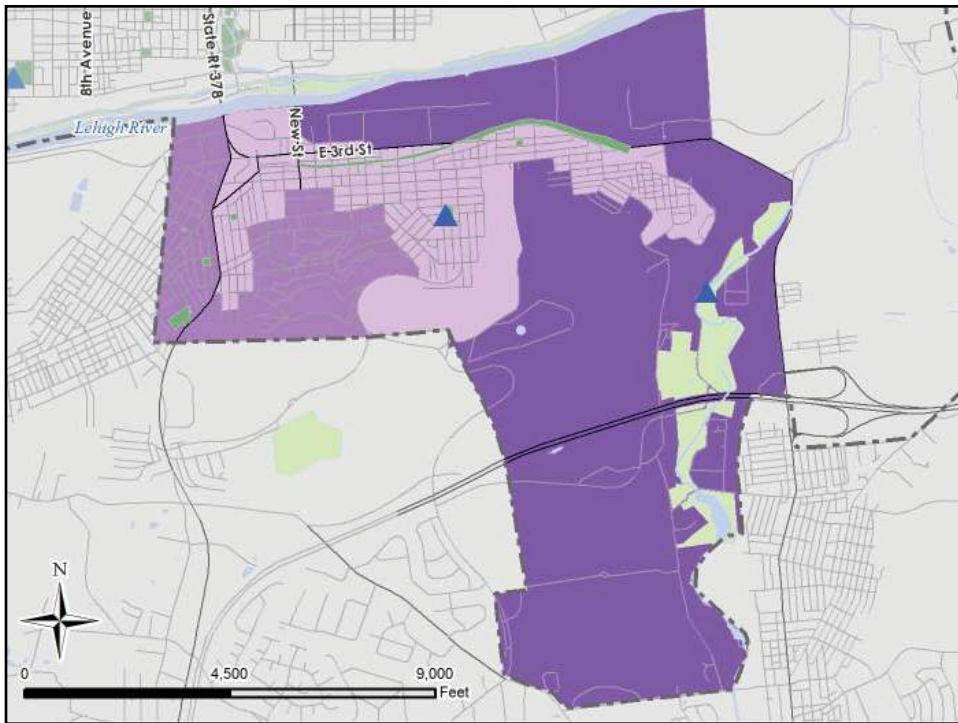
South Bethlehem MEDIAN AGE



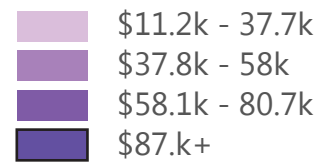
LEGEND

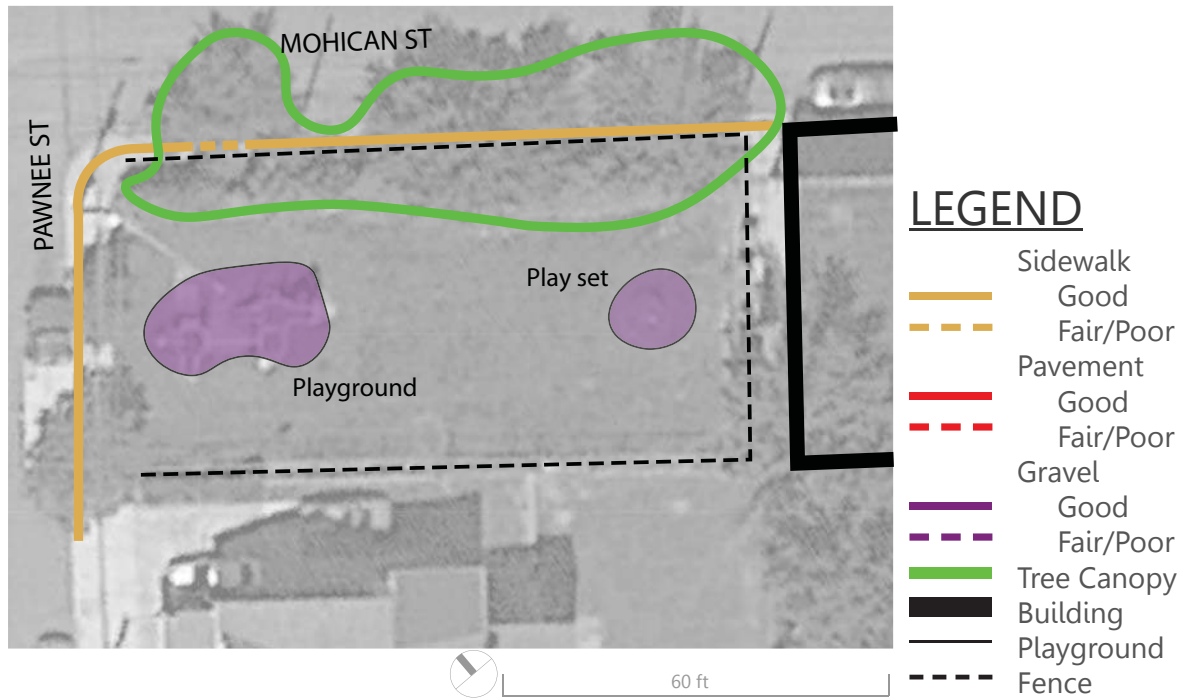


South Bethlehem MEDIAN INCOME



LEGEND





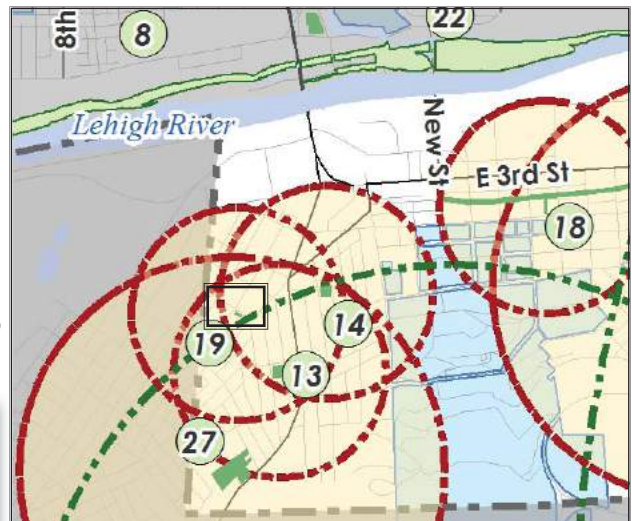
DESCRIPTION:

Mohican and Pawnee Streets
 Pocket Park
 Land Use:

Total Acreage	0.10 acres
Paved Area	0.01 acres
Gravel Paths	0.00 acres
Lawn Area	0.02 acres
Tree Canopy	0.08 acres

Topography: Moderately Sloping 10%-15%
 Service Area: .25-.50 Miles

SERVICE AREA:



View of park from Pawnee Street, the only access point. No ADA access in this park. Equipment is a mix of dated and reasonably newer pieces. No mulch or fall zone protection. No trees. This park seems like an afterthought.



Timber walls support the park on two sides. These vertically installed walls are rotting.

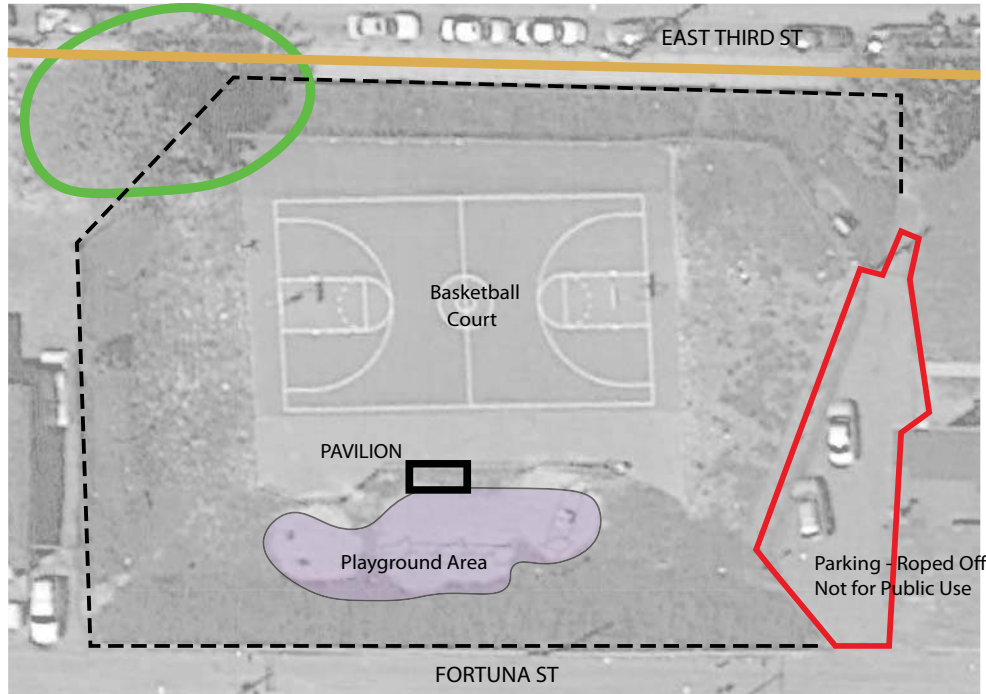
ENIX PARK

CITY OF BETHLEHEM

ACTIVE FACILITIES				
ENIX PARK	Qty	Materials	1-3	Comments
PLAY EQUIPMENT				
Modular	1	Composite	3	Plastic Faded, No Mulch
Climbers	1	Metal	3	Good Condition, No Mulch
BASKETBALL COURTS	0			
PASSIVE FACILITIES				
PATHWAYS	0			Existing Pavement from Past Use
PAVILION	0			
SUPPORT FACILITIES				
BENCHES	0			
PICNIC TABLES	0			
FENCE	230 LF	8' ht.,Chain Link	2	3 Sides
WALL	135 LF	Vertical Timbers	1	2 Sides, Rotting
SIGNS				
Rules	2	Aluminum	2	English, Spanish
MEMORIALS	1	Stone/Bronze Plaque	3	To Bubbles Enix
TRASH - Barrels	1	Plastic	2	Un-Attractive
PARK LIGHTING	1	Wood Pole.Cobra	2	Street lighting
REST ROOMS	0			
ACCESS & CIRCULATION				
ENIX PARK	Y/N	Comments		
VEHICULAR ACCESS	No			
PARKING				
On-Street	Yes	On Pawnee St and Mohican St		
MAINTENANCE ACCESS	No			
PEDESTRIAN ACCESS				
ADA to Park	No	Sidewalk and Slope on Pawnee St do not Meet ADA		
SAFETY				
Vandalism	Yes	Litter, some graffiti		
VEGETATION				
Invasives/Noxious	Yes	Lawn Weeds, Weeds under Fencing		
Trees	Yes	New Tree Vitalize Program Trees/Street Trees on Mohican		
RECREATION OPPORTUNITIES WITHIN 1 MILE				
Madison Park		0.2 Miles		Public - City of Bethlehem
Martin Luther King Jr. Park		0.2 Miles		Public - City of Bethlehem
Sand Island		0.7 Miles		Public - City of Bethlehem
Fountain Hill Elementary		0.8 Miles		Public - Beth. Area School District
Higbee Park		0.8 Miles		Public - City of Bethlehem
S. Bethlehem Greenway		0.8 Miles		Public - City of Bethlehem
Calypso Elementary School		0.9 Miles		Public - Beth. Area School District
Fairview Park		0.9 Miles		Public - City of Bethlehem
Westside Park		0.9 Miles		Public - City of Bethlehem
South Mountain Park		1.0 Miles		Public - City of Bethlehem

LEGEND

- Sidewalk
 - Good
 - - - Fair/Poor
- Pavement
 - Good
 - - - Fair/Poor
- Gravel
 - Good
 - - - Fair/Poor
- Tree Canopy
 - Good
 - - - Fair/Poor
- Building
 - Good
 - - - Fair/Poor
- Playground
 - Good
 - - - Fair/Poor
- Fence
 - Good
 - - - Fair/Poor



DESCRIPTION:

Fortuna Street. Neighborhood Park

Land Use:

Total Acreage	0.50 acres
Paved Area	0.23 acres
Lawn Area	0.28 acres
Tree Canopy	0.02 acres
Playground	0.05 acres

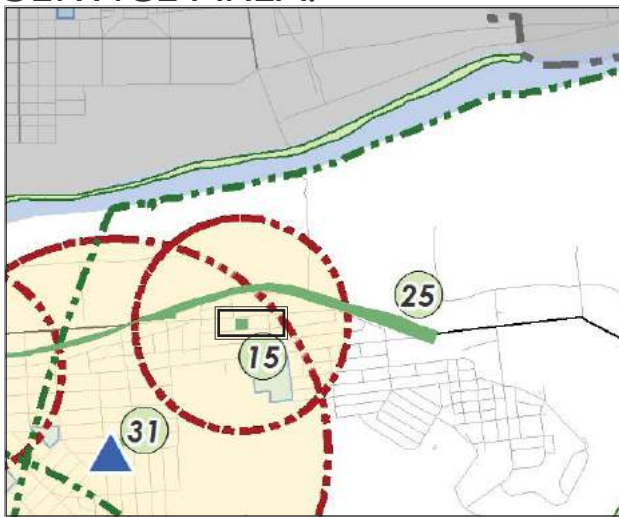
Topography: Level to Nearly Level <5%

Service Area: .25 - .50 Miles



View of park from Fortuna Street, the only visible access point. There is no ADA access to this park. There is minimal play equipment, basketball and a small lawn area. This park looks unkempt and seems dangerous.

SERVICE AREA:



5.0' stone wall borders park on Third St., with no steps or way up. Residents access park from adjoining property on Third Street.

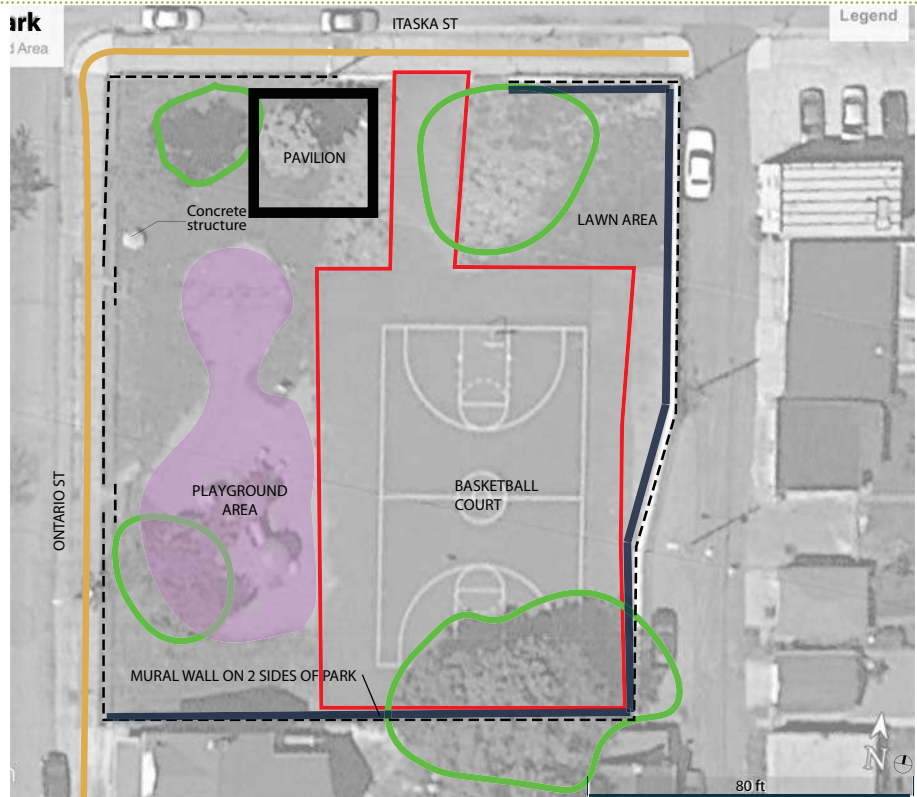
MACNAMARA PARK

CITY OF BETHLEHEM

ACTIVE FACILITIES				
MACNAMARA PARK	Qty	Materials	1-3 Rating	Comments
PLAY EQUIPMENT				
Modular	0			
Swings	1	Metal Frame	2	U-Frame, Painted, No Mulch
Seats	4	Plastic/Rubber	2	2 bench, 2 tot, No Mulch
Tire Swings	1	Plastic/Metal	3	Newer Amenity, No Mulch
BASKETBALL COURTS	1	Bituminous. Coated	3	Fenced with one bench under shelter
PASSIVE FACILITIES				
PATHWAYS	No			
PAVILION	1	Metal Roof/Posts	2	Shelter Style - Concrete Base
SUPPORT FACILITIES				
BENCHES	0			
PICNIC TABLES	1	Plastic Coated	3	Chained to shelter pole
FENCE	280 LF	10' Ht. Chain Line	2	3rd St and West Side
Guard Rail	170 LF	Aluminum	2	On Fortuna St
Bollards	11	Green Metal	2	Bollards Separates Homes and Park
SIGNS				
Rules	1	Aluminum	1	
Adopt A Park / Funding	1	Aluminum	1	Stars of God
No Dogs	0			
Identification sign	1	Aluminum	1	Street Sign Style
TRASH Barrels	1	Plastic	1	Un-Attractive, 50 lb Barrel
DRINKING FOUNTAINS	1	Metal	3	New
PARK LIGHTING	5	Decorative Metal	2	Around Park
	5	Wood Pole.Cobra	2	Street lighting and 1 in the park
ACCESS & CIRCULATION				
MACNAMARA PARK	Y/N	Comments		
PARKING				
Handicapped	No			
On-Street	Yes	On E 3rd St		
MAINTENANCE ACCESS	Yes	From Fortuna St		
PEDESTRIAN ACCESS				
Walls	Yes	5' stone wall on E. 3rd St		
ADA to Park	No	Sidewalks in Neighborhood, Walls and Slope prohibit ADA access		
ADA To Facilities	Yes	Park site is nearly level		
SAFETY				
Cameras	No			
Vandalism	Yes			
VEGETATION				
Invasives/Noxious	Yes	Lawn Weeds, Weeds under Fencing		
Existing Trees	Yes	Trees on West Side, Minimal Shade in Park		
RECREATION OPPORTUNITIES WITHIN 1 MILE				
Donegan Elementary School		0.1 Miles		Public-Beth.Area School District
Bethlehem Greenway		0.4 Miles		Public - City of Bethlehem
Yosko Park		0.4 Miles		Public - City of Bethlehem
Thomas Jefferson Elementary		0.9 Miles		Public-Beth.Area School District
Elmwood Park		0.9 Miles		Public - City of Bethlehem
Friendship Park		1.0 Miles		Public - City of Bethlehem

LEGEND

- Sidewalk
 - Good
 - - - Fair/Poor
- Pavement
 - Good
 - - - Fair/Poor
- Gravel
 - Good
 - - - Fair/Poor
- Tree Canopy
 - Good
 - - - Fair/Poor
- Building
 - Good
 - - - Fair/Poor
- Playground
 - Good
 - - - Fair/Poor
- Fence
 - Good
 - - - Fair/Poor



DESCRIPTION:

Itaska and Ontario Streets
Neighborhood Park

Land Use:

Total Acreage	0.50 acres
Paved Area	0.23 acres
Lawn Area	0.06 acres
Tree Canopy	0.20 acres
Playground	0.07 acres

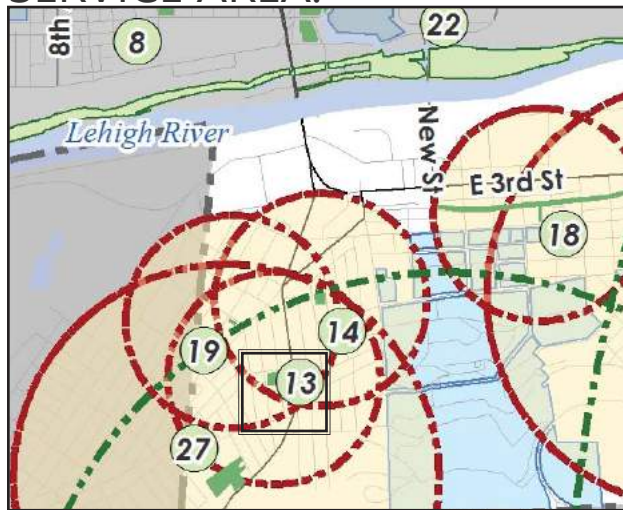
Topography: Nearly Level <5%

Service Area: .25-.50 Miles



Mural wall borders park on two sides. Access from Itaska Street may not meet ADA criteria due to slopes. Basketball courts in good condition. This park feels neglected but loved.

SERVICE AREA:

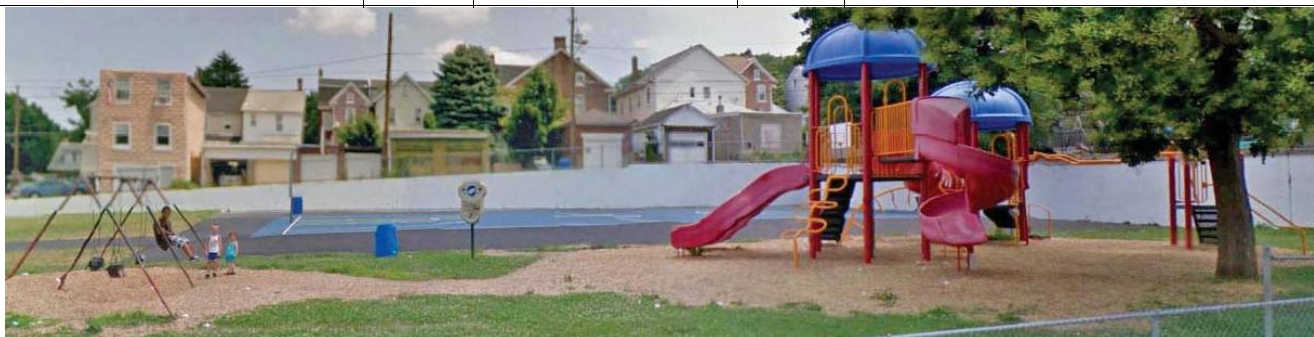


New pavilion with no ADA access or seating. There are no benches in the park. Play equipment is mulched, but swings are dated. Not much shade.

MADISON PARK

CITY OF BETHLEHEM

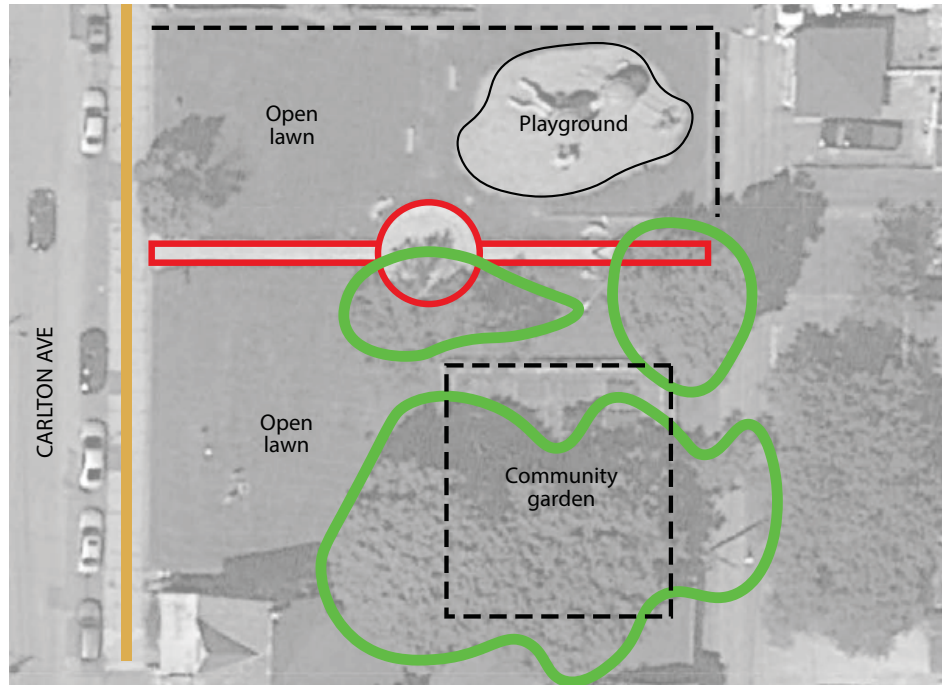
ACTIVE FACILITIES					
MADISON PARK	Qty	Materials	1-3 Rating	Comments	
PLAY EQUIPMENT					
Modular	1	Plastic/Metal/Wood	2	Good Condition, Mulched	
Swings	1	Metal	2	V-Frame, Faded metal, Chipping Paint	
Seats	4	Plastic/Metal	2	2 sling, 2 tot	
BASKETBALL COURTS	1	Bituminous. Coated	3		
PASSIVE FACILITIES					
PAVILION	1	Metal Roof /Posts	3	Not Accessible, No Benches	
SUPPORT FACILITIES					
BENCHES -TABLES	0				
FENCE	560 LF	3' ht.,Chain Link		Metal, Surrounding park	
WALL	400 LF	Height Varies		SE Corner of Park, Mural Painted	
SIGNS	Rules	3	Aluminum	3	at all activity centers, English/Spanish
	No Dogs	1	Aluminum	3	Dogs must be Leashed
TRASH	Barrels	2	Plastic	1	Un-Attractive
WALLS		2	Concrete	2	Mural Wall, Curb Wall
PARK LIGHTING		2	Wood Pole.Cobra	2	Street Lighting on Itaska and Ontario
ACCESS & CIRCULATION					
PARKING					
	On-Street	Yes	Itaska St and Ontario St, No Handicapped Parking		
MAINTENANCE ACCESS					
		Yes	Driveway Apron on Itaska St		
PEDESTRIAN ACCESS					
	ADA to Park	No	Existing Slopes Prohibit meeting ADA criteria		
	ADA To Facilities	No	New Pavilion - No ADA Access		
SAFETY					
	Vandalism	No			
VEGETATION					
	Existing Trees	Yes	A few mature trees, 75% not shaded		
RECREATION OPPORTUNITIES WITHIN 1 MILE					
	Enix Park		0.2 Miles	Public - City of Bethlehem	
	Martin Luther King Jr. Park		0.2 Miles	Public - City of Bethlehem	
	Ullman Park		0.2 Miles	Public - City of Bethlehem	
	S. Bethlehem Greenway		0.7 Miles	Public - City of Bethlehem	
	Sand Island		0.8 Miles	Public - City of Bethlehem	



Street shot before pavilion installation and mural. This neighborhood is surrounded by 378 and Broadway, making it difficult for residents to walk or bike to other parks on the south side of Bethlehem.

LEGEND

- Sidewalk
 - Good
 - - - Fair/Poor
- Pavement
 - Good
 - - - Fair/Poor
- Gravel
 - Good
 - - - Fair/Poor
- Tree Canopy
 - Building
 - Playground
- Fence
 - - -



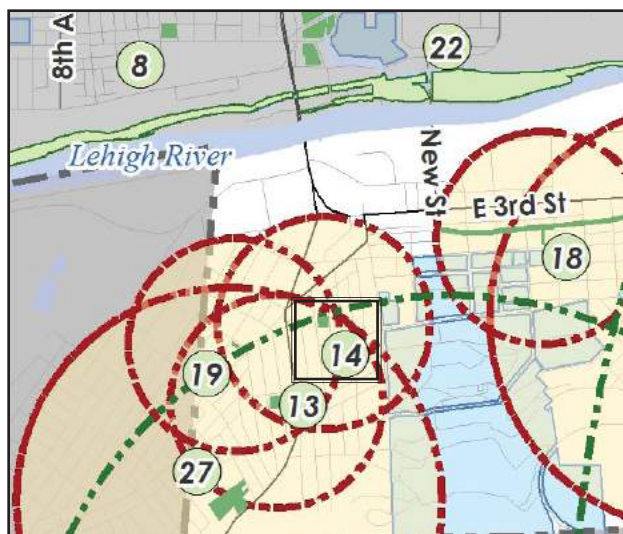
DESCRIPTION:

Carlton Avenue
Neighborhood Park

Land Use:

Total Acreage	0.50 acres
Paved Area	0.03 acres
Lawn Area	0.15 acres
Tree Canopy	0.18 acres
Playground	0.08 acres
Community Garden	0.06 acres
Topography: Slightly Sloping	<10%
Service Area:	.25 - .50 Miles

SERVICE AREA:



Play equipment consists of modular faced piece that has been vandalized. Mulching is adequate. Unique concrete seating and sculpture. ADA access thru the park on concrete walkway.



Community garden area furnished with water from the city. Gardens are looked after by Lehigh University

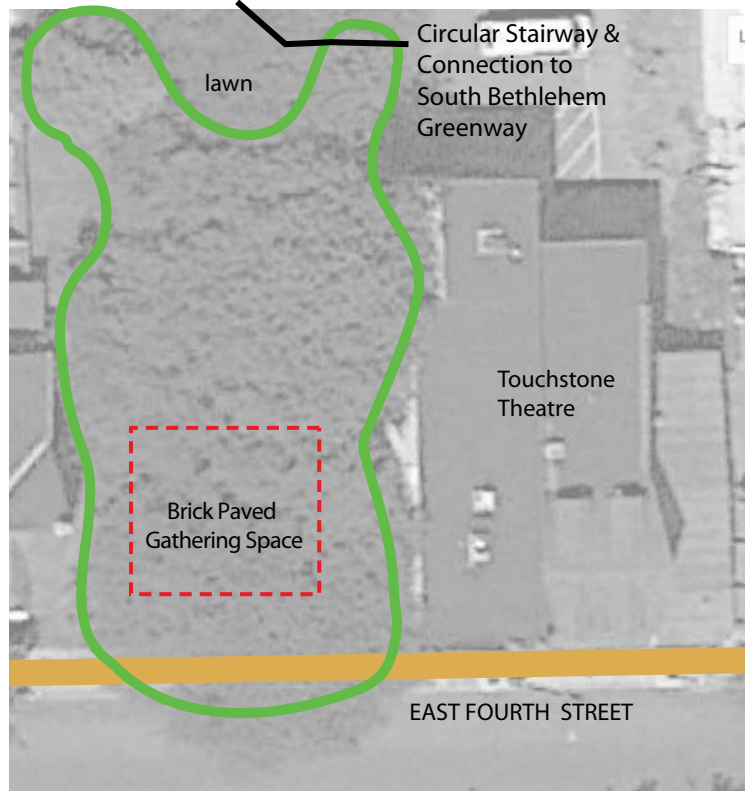
Martin Luther King Jr. Park

CITY OF BETHLEHEM

ACTIVE FACILITIES				
<i>MARTIN LUTHER KING JR. PARK</i>	Qty	Materials	1-3 Rating	Comments
PLAY EQUIPMENT				
Modular	1	Composite	1	Vandalized, Boarded Slides
Swings	0			
BASKETBALL COURTS				
	0			
PASSIVE FACILITIES				
PATHWAYS	Yes	8' Wide Concrete	1	Through Center of Park
PAVILION	0			
COMMUNITY GARDENS	1	16 Plots, Fenced		Well Maintained by Lehigh University
SUPPORT FACILITIES				
BENCHES	2	Concrete	3	Custom, Backless
	5	Concrete	3	Custom , Uniquely Shaped
PICNIC TABLES	0			
SCULPTURE	1	Concrete Dolphin	3	Center of Park Pathway
FENCE	230 LF	3' ht.,Chain Link	2	Rusty spots
SIGNS				
Rules	1	Aluminum	2	
Adopt A Park / Funding	1	Aluminum	3	St. Peter's Evangelical Lutheran Church
No Dogs	1	Aluminum	3	Dogs must be Leashed
PLAQUES	2	Bronze on Stone	1	Martin Luther and Coretta Scott King
TRASH Barrels	1	Plastic	1	Un-Attractive
DRINKING FOUNTAINS	0			
PARK LIGHTING	3	Wood Pole.Cobra	2	LED Street lights
ACCESS & CIRCULATION				
<i>MLK JR. PARK</i>	Y/N	Comments		
PARKING				
Handicapped	Yes	In Front of Adjacent Holy Ghost Church		
On-Street	Yes	On Carlton Ave		
MAINTENANCE ACCESS	Yes	From Alley		
PEDESTRIAN ACCESS				
Walls	Yes	Concrete Curb Wall along Carlton Ave and NW Corner		
ADA to Park	No	Existing Slopes and Stepped Entry do not Meet ADA Criteria		
ADA To Facilities	Yes	Walkway through the park is navigable		
SAFETY				
Vandalism	Yes	Play Equipment Burned and Broken		
VEGETATION				
Invasives/Noxious	Yes	Lawn Weeds		
Trees	Yes	Mature Trees Spotted Throughout and New Trees planted 2016		
RECREATION OPPORTUNITIES WITHIN 1 MILE				
Broughal Elementary School		0.2 Miles		Public-Beth.Area School District
Enix Park		0.2 Miles		Public - City of Bethlehem
Madison Park		0.2 Miles		Public - City of Bethlehem
Sand Island Park		0.5 Miles		Public - City of Bethlehem
Bethlehem Greenway		0.8 Miles		Public - City of Bethlehem
Yosko Park		0.9 Miles		Public - City of Bethlehem
MacNamara Park		1.0 Miles		Public - City of Bethlehem

LEGEND

- Sidewalk
 - Good
 - - - Fair/Poor
- Pavement
 - Good
 - - - Fair/Poor
- Gravel
 - Good
 - - - Fair/Poor
- Tree Canopy
 - Good
 - - - Fair/Poor
- Building
 - Good
 - - - Fair/Poor
- Playground
 - Good
 - - - Fair/Poor
- Fence
 - Good
 - - - Fair/Poor



DESCRIPTION:

East Fourth St. &
South Bethlehem Greenway
Pocket Park

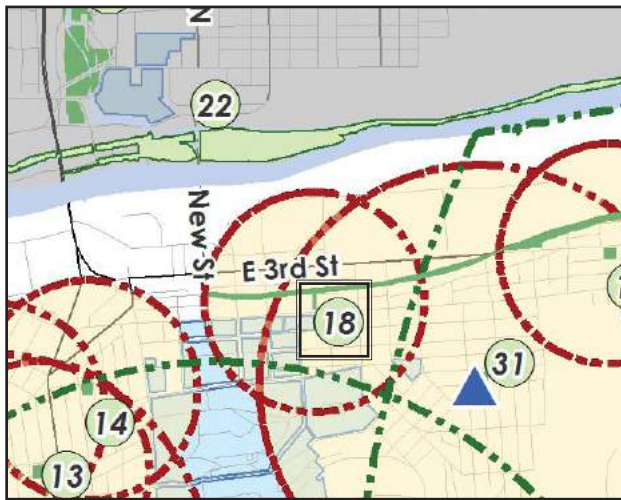
Land Use:

Total Acreage	0.20 acres
Paved Area	0.05 acres
Lawn Area	0.10 acres
Tree Canopy	0.10 acres

Topography: Level to Nearly Level <5%

Service Area: .25 - .50 Miles

SERVICE AREA:



Park serves as access to S Bethlehem Greenway from East Fourth Street. Small seating area does not meet ADA criteria due to uneven surfaces and seating.



Unkempt garden at Greenway. Steps not ADA.

PARHAM PARK

CITY OF BETHLEHEM

ACTIVE FACILITIES				
<i>PARHAM PARK</i>	Qty	Materials	1-3 Rating	Comments
PLAY EQUIPMENT	0			Passive Park
PASSIVE FACILITIES				
PATHWAYS	No	Concrete Steps	2	Connecting to S. Bethlehem Greenway.
AMPHITHEATRE	Yes	At Greenway	2	
VOLUNTEER GARDENS	Yes	Weedy Mulch	1	Not Maintained after Planting
SUPPORT FACILITIES				
BENCHES	2	Concrete/Wood	2	at Gathering Space
PATIO. GATHERING SPACE	1	Brick	1	Brick moss covered, rough
FENCE	No			
SIGNS				
ID Sign	1	Blue Aluminum	2	Street Sign Style
MEMORIALS	1	Stone/Bronze Plaque	2	Rose Marie Parham "1970"
TRASH Barrel	1	Plastic	1	Un-Attractive
DRINKING FOUNTAINS	0			
PARK LIGHTING	4	Decorative Metal	3	On Greenway and East Fourth Street
ACCESS & CIRCULATION				
<i>PARHAM PARK</i>	Y/N	Comments		
PARKING				
On-Street	Yes	On 4th St		
MAINTENANCE ACCESS	Yes	From Greenway or adjacent Touchstone Parking Lot		
PEDESTRIAN ACCESS				
ADA to Park	Yes	Neighborhood Sidewalks, Not from Greenway		
ADA To Facilities	No	Brick Gathering Space not connected by pathway		
SAFETY				
Vandalism	No			
VEGETATION				
Invasives/Noxious	Yes	Lawn Weeds		
Existing Trees	Yes	Mature Trees Throughout		
RECREATION OPPORTUNITIES WITHIN 1 MILE				
Donegan Elementary		0.1 Miles		Public-Beth.Area School District
Bethlehem Greenway		0.4 Miles		Public - City of Bethlehem
Yosko Park		0.4 Miles		Public - City of Bethlehem
Friendship Park		0.8 Miles		Public - City of Bethlehem
Thomas Jefferson Elementary		0.8 Miles		Public-Beth.Area School District
Elmwood Park		1.0 Miles		Public - City of Bethlehem
Saucon Park		1.0 Miles		Public - City of Bethlehem

South Bethlehem Greenway - Third St. to Hayes St.



South Bethlehem Greenway - Hayes St. to Lynnfield Avenue



DESCRIPTION:

South Bethlehem Greenway
 Linear Park with Gardens, Pedestrian Plazas,
 Neighborhood Connections, Playgrounds
 and the Bethlehem Skate Plaza

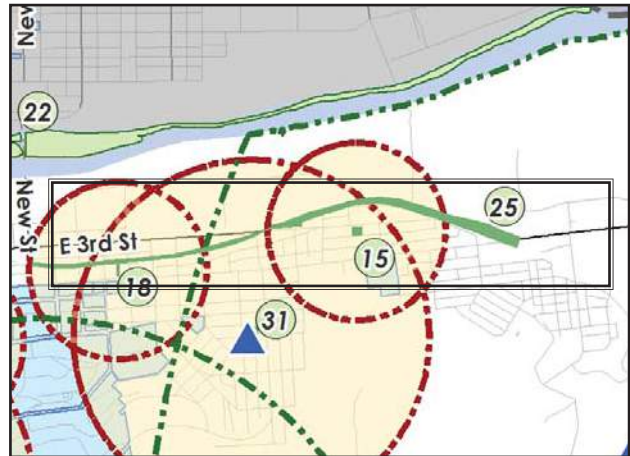
Land Use:

Total Acreage 15.0 acres
 Paved Multi-Use Trail

Topography: Level to Nearly Level <5%

Service Area: .25 - .50 Miles

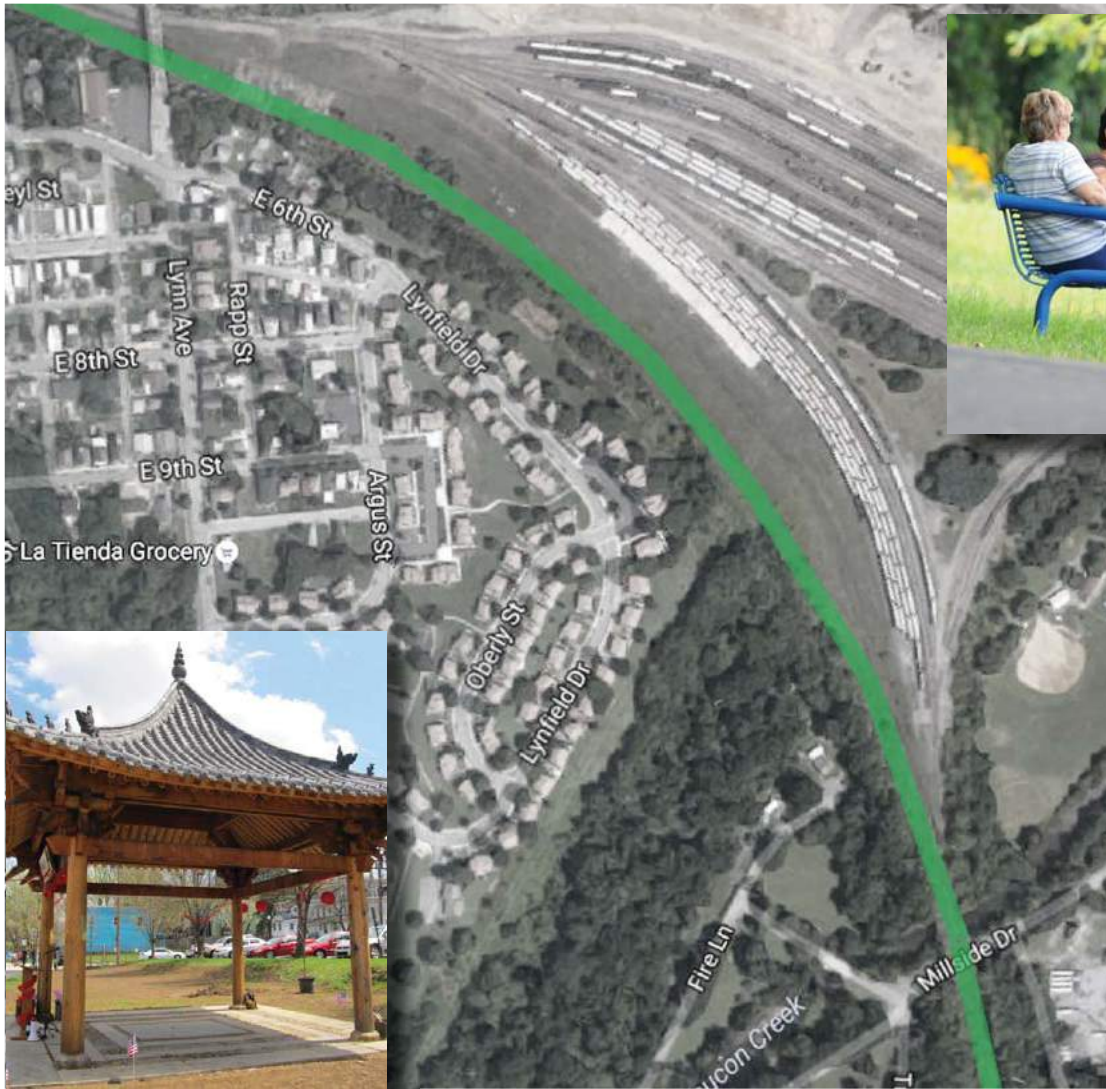
SERVICE AREA:



South Bethlehem Greenway

CITY OF BETHLEHEM

South Bethlehem Greenway - Lynn Avenue to Saucon Park & Auburn Street



Comprehensive Parks & Pools Study

LEGEND

- Sidewalk
 - Good
 - - - Fair/Poor
- Pavement
 - Good
 - - - Fair/Poor
- Gravel
 - Good
 - - - Fair/Poor
- Tree Canopy
 - Good
 - - - Fair/Poor
- Building
 - Building
- Playground
 - Playground
- Fence
 - - - Fence



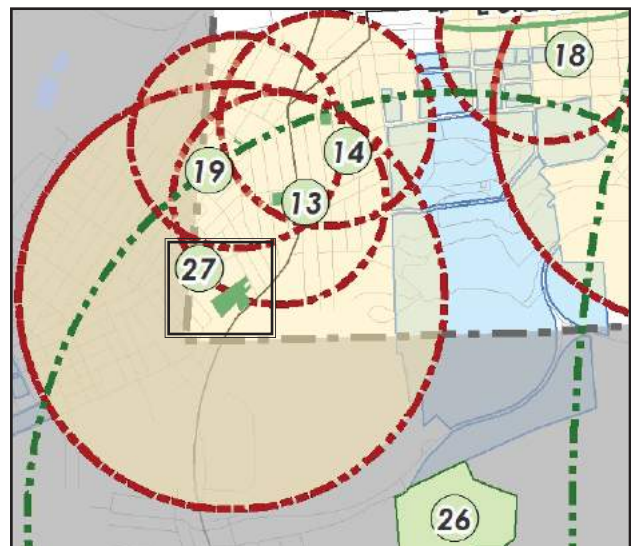
DESCRIPTION:

SassafRAS and Wyandotte Streets
Neighborhood Park
Land Use:

Total Acreage	2.23 acres
Paved Area	0.0 acres
Gravel Paths	0.00 acres
Lawn Area	0.00 acres
Tree Canopy	0.49 acres
Playground	0.20 acres

Topography: Level to Moderately Sloping, 2-25%
Service Area: .25 - .50 Miles

SERVICE AREA:



ULLMAN PARK

CITY OF BETHLEHEM

ACTIVE FACILITIES				
ULLMAN PARK	Qty	Materials	1-3	Comments
PLAY EQUIPMENT				
Modular	2	Plastic/Metal/Wood	2	Not well maintained. No mulch (1) 2 to 5 yr olds, (1) 5 to 12 yr olds
Swings	2	Metal Frames	2	Single Bays, Older Units
Seats	5	Rubber	2	3 tot, 3 belt
BASKETBALL COURTS				
	1.5	Bituminous	3	Not coated, lines faded, (1) half court
PASSIVE FACILITIES				
PATHWAYS	No	Gravel	1	Overgrown Looping Paths
PAVILION	0			
COMMUNITY GARDENS	1	Fence, Wood	2	Water available, Not currently used
SUPPORT FACILITIES				
BENCHES	0			
PICNIC TABLES	0			
SIGNS				
Rules	1	Aluminum	3	at entry
TRASH Barrel	1	Plastic	1	Un-Attractive
PARK LIGHTING	2	Wood Pole.Cobra	2	Near Basketball
ACCESS & CIRCULATION				
PARKING	No	Access to this park is very poor		
MAINTENANCE ACCESS	Yes	Alley		
PEDESTRIAN ACCESS	Yes	Up steeply sloped alley		
ADA To Facilities	No	No paths, steep slopes prohibit ADA access		
VEGETATION				
Invasives/Noxious	Yes	Lawn Weeds, Weeds under Fencing, Invasives on D&L		
Existing Trees	Yes	Few Trees along Perimeter		
RECREATION OPPORTUNITIES WITHIN 1 MILE				
Madison Park		0.3 Miles		Public - City of Bethlehem
Stanley Avenue Park		1.0 Miles		Public - Borough of Fountain Hill
MLK Jr Park		0.6 Miles		Public - City of Bethlehem
South Bethlehem Greenway		1.0 Miles		Public - City of Bethlehem



There is no reasonable access to this park. No place to park, no sidewalks and steep slopes. The courts are not well maintained, there is no mulch at the play equipment areas and the areas are far apart, with no pathways connecting them. The park is terraced on a hillside. There is a lot of lawn area, and not much shade, shelter or seating.

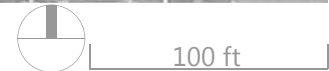


A view from the top of the rock climbing hill at Yosko Park.



LEGEND

- Sidewalk
 - Good
 - - - Fair/Poor
- Pavement
 - Good
 - - - Fair/Poor
- Gravel
 - Good
 - - - Fair/Poor
- Tree Canopy
 - Good
 - - - Fair/Poor
- Building
 -
- Playground
 -
- Fence
 - - -



DESCRIPTION:

Atlantic and Sixth Streets
Neighborhood Park

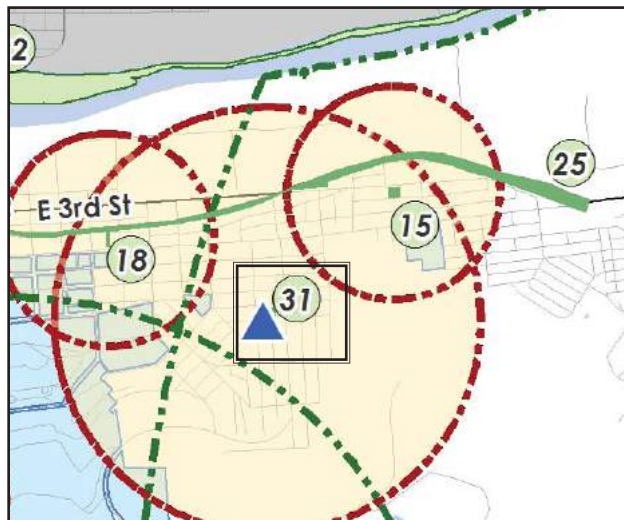
Land Use:

Total Acreage	1.50 acres
Paved Area	1.01 acres
Gravel Paths	0.00 acres
Lawn Area	0.00 acres
Tree Canopy	0.49 acres
Playground	0.18 acres

Topography: Level to Nearly Level <5%

Service Area: .25 - .50 Miles

SERVICE AREA:



YOSKO PARK

CITY OF BETHLEHEM

ACTIVE FACILITIES				
YOSKO PARK	Qty	Materials	1-3 Rating	Comments
PLAY EQUIPMENT				
Modular	2	Composite	2	1 Tot Area, 1 5-12 Set, Faded
Swings	1	Metal/ V-Frame	1	Faded
Seats	4	Plastic/Rubber	1	2 Sling, 1 Tot, 1 Dual Parent
Spring Toys	3	Plastic/Metal	1	Rusty, Chipping Paint
Tire Swings	2	Plastic/Metal	2	Well Used. 3 bays, U-Frame
BASKETBALL COURTS	2	Bituminous. Coated	3	Fenced w/ Seating and 6 lights
SPLASH PAD	1	Permeable Rubber	2	Fenced w/Seating. Auto On-Off
POOL	1	Pool	2	See City Park Pools Page *
PASSIVE FACILITIES				
PATHWAYS	No	Bituminous Paving		Paving Throughout Park
PAVILION	0			
COMMUNITY GARDENS	0			
BUILDINGS	1	RestRoom in Pool Building		See City Park Buildings Pages
ROCK CLIMBING HILL	1	Rock, Sand Landing	2	Vegetation Growing on Hill
SUPPORT FACILITIES				
BENCHES	14	Concrete/Wood	2	Playground and pool area
PICNIC TABLES	2	Plastic Coated	1	Basketball courts
MURAL WALL		Mural on Concrete	2	Surrounds Park 2 sides
FENCE		3' ht.,Chain Link		
	1200 LF	10' Ht. Chain Line	2	Surrounding park and pool
SIGNS				
Rules	3	Aluminum	3	English/Spanish; Park & Swim Rules
TRASH				
Recepticles / Barrels	8	Plastic/Metal	1	Un-Attractive
Recycle Bins	4	Plastic	2	In Pool Area
DRINKING FOUNTAINS	1	Metal	1	
PARK LIGHTING	9	Metal Posts	2	In Basketball Courts



ACCESS & CIRCULATION			
YOSKO PARK	Y/N	Comments	
PARKING			
Handicapped	No		
On-Street	Yes	Atlantic St and E. 6th St	
MAINTENANCE ACCESS	Yes	2 Driveway Aprons on Atlantic St for Pool and Park	
PEDESTRIAN ACCESS			
ADA to Park	Yes	Neighborhood Sidewalks may not meet ADA Criteria	
Crosswalks	Yes	On Atlantic St, Ranges no ADA Accessible	
ADA To Facilities	Yes	Pavement Throughout Park, Links Facilities	
SAFETY			
Vandalism	Yes	Graffiti, Damage to Tables, Swings	
VEGETATION			
Invasives/Noxious	Yes	Lawn Weeds, Weeds under Fencing	
Existing Trees	Yes	Mature Trees Throughout	
RECREATION OPPORTUNITIES WITHIN 1 MILE			
South Bethlehem Greenway		0.3 Miles	Public - City of Bethlehem
Donegan Elementary		0.4 Miles	Public-Beth.Area School District
McNamara Park		0.4 Miles	Public - City of Bethlehem
Martin Luther King Jr. Park		0.9 Miles	Public - City of Bethlehem
Sand Island		1.0 Miles	Public - City of Bethlehem



Well maintained Basketball Courts looking towards Play Area for 5-12 yr olds and Rock Climbing feature.



Tot Playground and new swings with Splash Pad to the right. Safe surfaces and adequate fall zones.



Splash Pad in Summer with plenty of seating provided for on-lookers.

CITY OF BETHLEHEM

Damaged fascia and coping



Graffiti

YOSKO PARK: POOL BUILDING	
FAÇADE	
Materials	CMU
Condition	Fair, Select areas may require cosmetic attention
ROOF	
Type	Rubber Membrane
Condition	Unknown
Age of Installation	Unknown
FOUNDATION WALLS	
Materials	CMU
Condition	Fair
STRUCTURE	
Materials	CMU
Condition	Fair/See Photos
WINDOWS	
Type	Fixed
Materials	Metal Frame
Condition	Poor
DOORS	
Type	Man Door
Materials	H.M./H.M. Frame
Accessible	No
Condition	Poor
ACCESSIBILITY	
RESTROOMS	
Sinks	Non-ADA Compliant/See Photos
Water Closet	Non-ADA Compliant/See Photos
Urinals	Non-ADA Compliant/See Photos





Rusted and rotted stair pans and stringers.



Severe degradation to door frames and doors.



Open unenclosed light well. Bottom of well is full of leaves and garbage.



Damaged and mismatched floor tiles. Uneven surface and peeling tile presents tripping hazard. Rusted and rotted doors and frames.



Building interior is in disrepair, typical throughout.



Water damaged insulation on ducts and piping.

YOSKO PARK POOL



POOL SIZE	
Main Pool	UNKNOWN
Splash Park	
SQUARE FOOTAG	
Main Pool	5,250 ft ²
FILTER	
Main Pool	Open Tank Vacuum DE - 7HP Pump @ 509 GPM
Splash	Cartridge
MOST RECENT RENOVATIONS	
2008	Splash Park Installed
DEFICIENCIES	
Tile border should be regouted.	
ADA Compliance does not exist.	
Existing Expansion Joints should be replaced.	
A contrasting indicator line should be painted around the perimeter of the pool.	
Existing Tile at Joints should be regouted.	
Existing Drains appear to be in compliance however covers should be replaced.	



DEFICIENCIES CONTINUED...

POOL FILTER	Open tank Vacuum DE system is the most efficient system.
	Pool is operating at an 8 hr turnover rate that does not meet todays 6 hr standard.
	Open tank DE system is not sized for 1 gallon per sf of pool surface.
	DE leafs are sized to accomodate 8 hr turnover and not 6 hr.
	Pool return piping is not sized for todays standard turnover or allowable ft/sec.
	Gutter piping is not sized for todays standard turnover or allowable ft/sec.
SPLASH PAD	Appears to be in working order however was not operating at time of inspection.
CONCRETE DECK	Concrete decking is in fair condition.
FEATURES	Splash Pad with spray features is located outside of Pool compound.



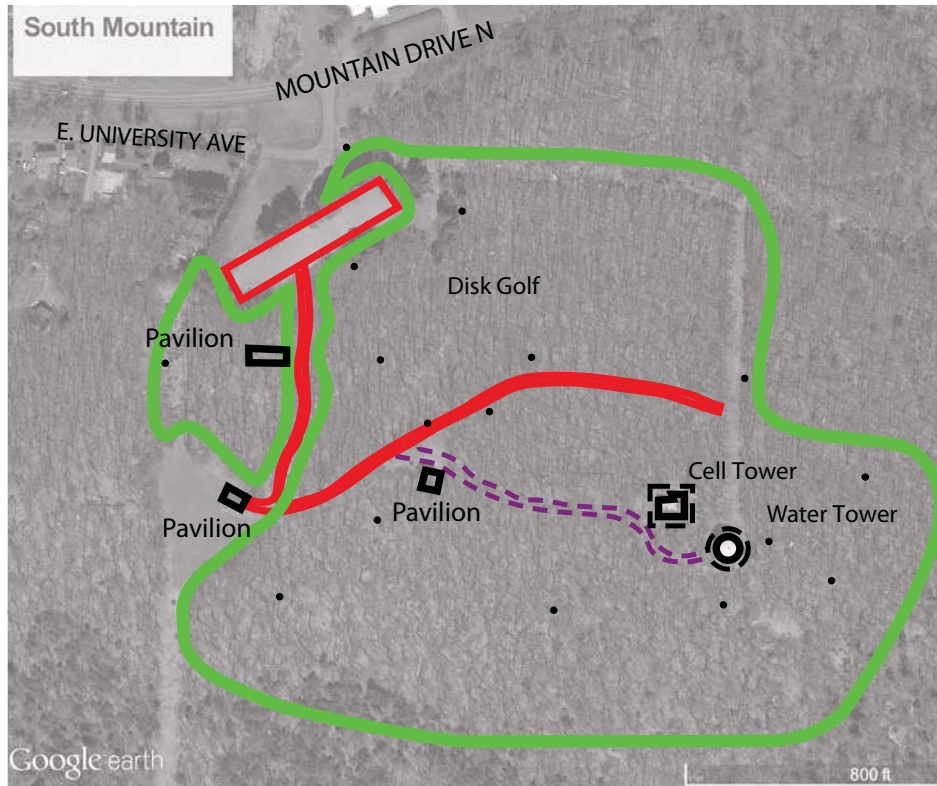
Main Drains & Tile Joints



Tile Perimeter

CITY OF BETHLEHEM

SOUTH MOUNTAIN



LEGEND

	Sidewalk
	Good
	Fair/Poor
	Pavement
	Good
	Fair/Poor
	Gravel
	Good
	Fair/Poor
	Tree Canopy
	Building
	Playground
	Fence



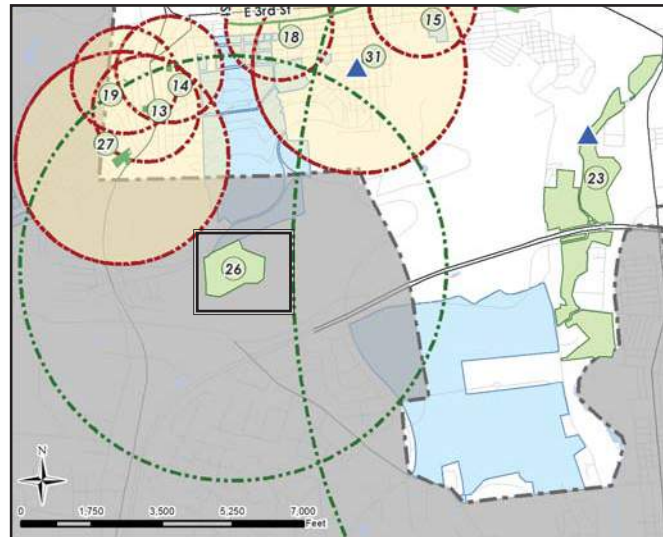
DESCRIPTION:

Mountain Drive
Community Park
Land Use:

Total Acreage	33.00 acres
Paved Area	1.17 acres
Gravel Paths	0.16 acres
Lawn Area	1.11 acres
Tree Canopy	27.44 acres

Topography: Moderately Steep - 15% - 25%
Service Area: 1-2 Miles

SERVICE AREA:



Comprehensive Parks & Pools Study

SOUTH MOUNTAIN PARK		Qty	Materials	1-3 Rating	Comments
PLAY EQUIPMENT		0			Primarily a Passive Park
DISK GOLF COURSE		1		3	18-holes
PASSIVE FACILITIES					
PATHWAYS		Yes	Gravel/Paved	1	Overgrown Looping Paths
PAVILION		2	Stone & Wood		See City Park Buildings Page *
GRILLS		3	Metal	1	
SUPPORT FACILITIES					
BENCHES		3	Concrete/Wood	2	Along paved pathway
PICNIC TABLES		7	Wood	2	Along paved pathway/In pavilions
		2	Plastic Coated	2	Along paved pathway
		9	Wood/Metal	1	Under pavilions
FENCE		2000+	10' Ht. Chain Line	1	Surrounding cell and water towers
SIGNS					
	Rules	1	Aluminum	2	at all activity centers
	Rules	1	Aluminum	1	No motorized vehicles
	Park Hours	2	Aluminum	1	Edges of parking lot
	Information Board/Kiosk	1	Wood/Plastic	1	Disc Golf Information & Events
TRASH					
	Barrels	5	Plastic	1	Un-Attractive
	Dumpster	1	Green Metal	1	Un-Attractive
DRINKING FOUNTAINS		1	Metal	2	
PARK LIGHTING		3	Wood Pole.Cobra	1	Located in parking lot
REST ROOMS		1	Stone & Block		See City Park Buildings Page *
ACCESS & CIRCULATION					
PARKING					
	Lot	Yes	No ADA Parking in Parking Lot. Lot Unmarked		
MAINTENANCE ACCESS		Yes	Accessible Through Gated Access Drive from Parking Lot		
PEDESTRIAN ACCESS					
	ADA to Park	No	Sidewalks and Existing Slopes do not Meet ADA Criteria		
	ADA To Facilities	No	Lack of ADA access		
SAFETY					
	Vandalism	Yes	Graffiti on back of Kiosk & Pavilion		
VEGETATION					
	Invasives/Noxious	Yes	Lawn Weeds in Parking Lot		
	Trees	Yes	Forested Site		



Disc Golf Pad, good condition, typical.



Service Drive also for pedestrian use, may not meet ADA criteria completely.

CITY OF BETHLEHEM

PAVILION #1

Broken and rotted fascia board, typical



Rotting columns at base, typical

SOUTH MOUNTAIN: TOILETS AND PAVILIONS			
FAÇADE	Pavilion 1	Toilet Facility	Pavilion 2
Materials	N/A	WD/Stone/Concrete	Stone
Condition	N/A	Poor/Fair/Fair	Fair/See Photos
ROOF			
Type	Asphalt Shingles	Asphalt	Asphalt Shingles
Condition	Good	Fair	Fair
Age of Installation	Unknown	Unknown	Unknown
FOUNDATION WALLS			
Materials	Concrete	Concrete	Concrete
Condition	Fair	Unknown	Unknown
STRUCTURE			
Materials	Wood	CMU	Stone/Wood
Condition	Fair/See Photos	Fair	Fair
WINDOWS			
Type	N/A	Hopper	N/A
Materials	N/A	WD	N/A
Condition	N/A	Poor	N/A
DOORS			
Type	N/A	Man Door	N/A
Materials	N/A	H.M./H.M. Frame	N/A
Accessible	N/A	Fair	N/A
Condition			
ACCESSIBILITY			
RESTROOMS	Pavilion 1	Toilet Facility	Pavilion 2
Sinks	N/A	Non-ADA Compliant	N/A
Water Closet	N/A	Non-ADA Compliant	N/A
Urinals	N/A	Non-ADA Compliant	N/A

TOILET FACILITY



Toilet Room Facility: Degrading pointing and falling stone, typical.



Pipe chase has leaking piping and pooling water.



Toilet Facility: Holes in wood siding, insect and rodent damage.



Toilet Facility: Non-ADA compliant toilet rooms.

CITY OF BETHLEHEM

PAVILION #2



Pavilion#2: Missing mortar joints, areas of insect damaged or rotted fascia.

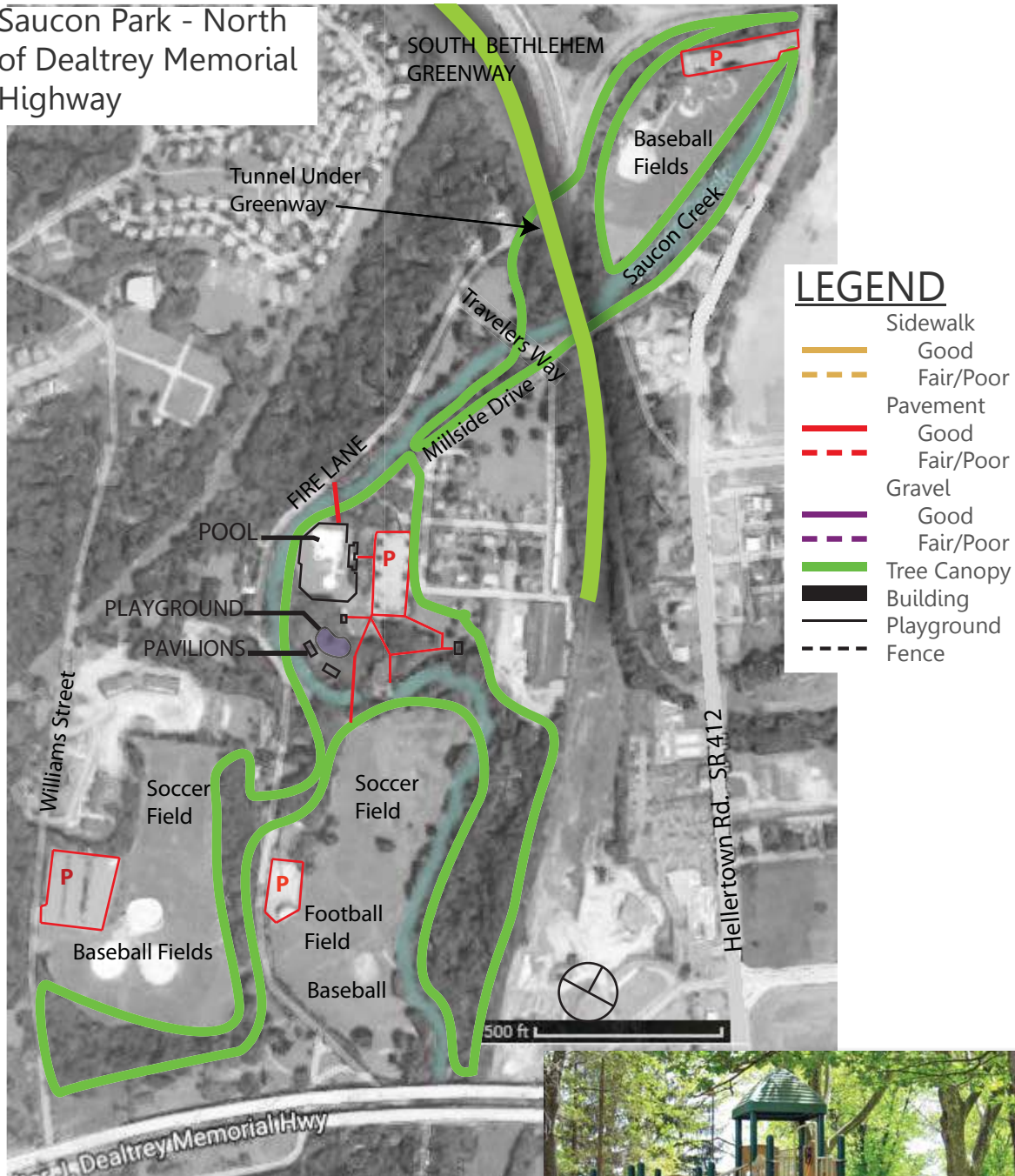


Lighting is missing protective covers, typical.



Pavilion#2: Rotting support beam, typical at each end.

Saucon Park - North of Dealtrey Memorial Highway



Bridge Crossings and Benches not accessible. Typical.



Fenced play yard provides large mulched area to run. Mulch needs to be replenished during season. Mulch is not an optimal surface for the physically handicapped.

SAUCON PARK

CITY OF BETHLEHEM



Saucon Park - South of Dealtrey Memorial Hwy

LEGEND

- Sidewalk
 - Good
 - Fair/Poor
- Pavement
 - Good
 - Fair/Poor
- Gravel
 - Good
 - Fair/Poor
- Tree Canopy
- Building
- Playground
- Fence



DESCRIPTION:

Off of Route 412, Hellertown Road
Community Park

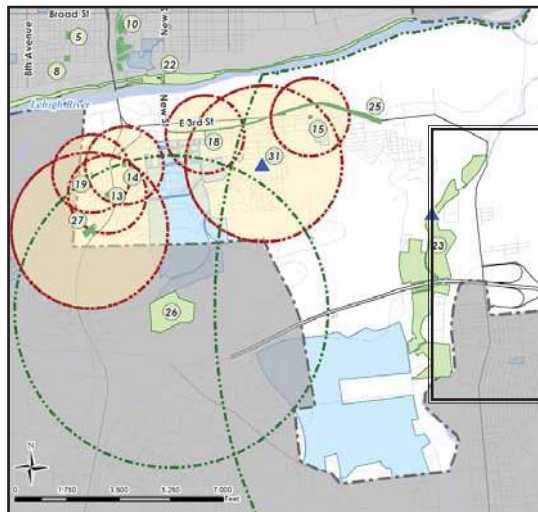
Land Use:

Total Acreage	120.90 acres
Paved Area	5.63 acres
Gravel Paths	0.11 acres
Lawn Area	24.33 acres
Tree Canopy	51.80 acres
Playground	0.50 acres
Pool	1.52 acres
Fields	8.88 acres

Topography: Level to Nearly Level <5%

Service Area: 1 - 2 Miles

SERVICE AREA:



Comprehensive Parks & Pools Study

ACTIVE FACILITIES				
SAUCON PARK	Qty	Materials	1-3 Rating	Comments
PLAY EQUIPMENT				
Modular	2	Plastic/Metal/Wood	2	Well Used, Wood Rotting
Swings	5	Metal/V-Frame	1	Rusty
Seats	17	Plastic/Rubber	1	6 sling, 11 tot, 1 dual parent
Climbers	2	Metal	1	Rusty
Tire Swings	0			
POOL/SPLASH PAD	1	Pool		See City Park Pools Page *
BASEBALL/SOFTBALL FIELDS	9.5 AC			Southside Little League
FOOTBALL/SOCCER FIELDS	3.0 AC			Bethlehem Saints Football/Cheer
PASSIVE FACILITIES				
PATHWAYS	Yes	Gravel&Bit. Concrete	1	Mixed Widths & Conditions
PAVILION	1	Wood	1	Wood Posts/Roof, Soil Base
	2	Stone	2	Stone Posts, Shingle Roof, Concrete Base
GRILLS	4	Metal	2	Outside of Stone Pavilions
FISH HATCHERY		Varies	1	No Longer Operational
AMPHITHEATRE	1	Stone	1	No Longer Operational
DOG PARK	0			
BUILDINGS	8	Varies		See City Park Buildings Page *
SAUCON CREEK				
SUPPORT FACILITIES				
BENCHES	7	Concrete/Wood	2	Around Park
PICNIC TABLES	40	Stone	2	Throughout park
WALLS	1370 LF	Stone	2	WPA, Borders Saucon Creek, Condition Varies
FENCE	1460 LF	3' ht.,Chain Link	1	Metal Chain Link at Athletic Fields
	1945 LF	10' Ht. Chain Line	1	Surrounding Fields
	965 LF	10' Ht. Chain Line	1	Surrounding Pool
SIGNS				
Rules	4	Aluminum	3	at all activity centers, English/Spanish
No Dogs	0			
Directional Sign	1	Aluminum	2	
Funding Recognition	1	Aluminum	3	Wagner Enterprises
MEMORIALS	0			
TRASH				
Recepticles / Barrels	50	Plastic	1	Un-Attractive
		Metal,		
DRINKING FOUNTAINS	5	3 With Post Only	1	Throughout Park, Not All Operational
PARK LIGHTING	35	Wood Post	2	Field Lighting
	11	Wood Pole.Cobra	2	Street Lighting
REST ROOMS	1	Concrete Block	2	See City Park Buildings Page *

CITY OF BETHLEHEM

ACCESS & CIRCULATION				
SAUCON PARK		Y/N	Comments	
VEHICULAR ACCESS		Yes	Fire Lane Runs to Athletic Fields and from Fire Lane to Parking Lot	
BOAT LAUNCH		No		
PARKING				
Handicapped		Yes	Yes at all Parking Lots	
On-Street		No		
Internal		Yes	One Lot in Park	
MAINTENANCE ACCESS		Yes	Fire Lane	
PEDESTRIAN ACCESS				
Walls		Yes	Along Fire Lane, WPA Walls	
ADA to Park		Yes	Beth. Trails Plan Will Provide When Implemented	
Crosswalks		No	on Sand Island at Ice House	
ADA To Facilities		No	Lack of Paved Paths, Stairs & Bridge Crossings Prohibit Accessibility	
Bridges		Yes	Stone, Wood/Metal	
SAFETY				
Cameras		No		
Vandalism		No		
VEGETATION				
Invasives/Noxious		Yes	Lawn Weeds, Weeds under Fencing, Invasives	
Existing Trees		Yes	Mature Trees Throughout	
New Trees		Yes	To Create/Enhance Riparian Buffer	
RECREATION OPPORTUNITIES WITHIN 1 MILE				
Roberto Clemente Park			0.2 Miles	Public - City of Bethlehem
Gregory Park			0.5 Miles	Public - City of Hellertown
Donegan Elementary			1.0 Miles	Public - Beth. Area School District
S. Bethlehem Greenway			1.0 Miles	Public - City of Bethlehem



WPA walls lining Saucon Creek crumbling and dangerous. Riparian buffer restoration and limited creek access should be considered. Footpaths degrade soils and vegetation.



Area of environmental restoration. City should consider expansion of these types of areas. Formalized pathways around and through these areas provide educational and wildlife viewing opportunities.



SAUCON PARK: PAVILIONS 3 PAVILIONS		
FAÇADE		
Materials	2 Stone & Wood. One Wooden.	N/A
Condition		N/A
ROOF		
Type		Asphalt Shingles
Condition		Poor/See Photos
Age of Installation		Unknown
FOUNDATION WALLS		
Materials		Concrete
Condition		Fair/See Photos
STRUCTURE		
Materials		Wood/Stone
Condition		Wood - Poor/See Photos; Stone - Fair



Pavilion #3: Deteriorated structural columns and roof edges.



Pavilions #1 and #2: Damaged fascia boards.

CITY OF BETHLEHEM



This building is boarded shut and was not available for interior inspection



Deteriorating brick pointing typical at foundation.



Missing soffit, exposed insulation, and insect damaged fascia board.

SAUCON PARK: OLD TOILET ROOM BUILDING	
FAÇADE	
Materials	Brick
Condition	Select areas require attention - See Photos
ROOF	
Type	Asphalt Shingles
Condition	Fair
Age of Installation	Unknown
FOUNDATION WALLS	
Materials	Concrete
Condition	Unknown
STRUCTURE	
Materials	Brick
Condition	Select areas require attention - See Photos
WINDOWS	
Type	N/A
Materials	N/A
Condition	N/A
DOORS	
Type	Man Door
Materials	H.M./H.M. Frame
Accessible	No
Condition	Poor/See Photos



Rotting and insect damaged fascia board.



Damaged and dented frame.



Damaged and degraded masonry and mortar joints.



Degraded pointing on stone foundation wall.

City Building for City Maintenance and Storage Only. Not for Public Use.

SAUCON PARK: FIRE LANE BUILDING	
FAÇADE	
Materials	Brick/Stone
Condition	Select areas require attention - See Photos
ROOF	
Type	Asphalt Shingles
Condition	Unknown
Age of Installation	Unknown
FOUNDATION WALLS	
Materials	Stone/Concrete
Condition	Unknown
STRUCTURE	
Materials	Brick with Stone Foundation
Condition	Fair, Select areas need attention/See Photos
WINDOWS	
Type	N/A
Materials	N/A
Condition	N/A
DOORS	
Type	Overhead Door (2)
Materials	H.M./H.M. Frame
Accessible	N/A
Condition	Fair/See Photos

CITY OF BETHLEHEM



Soffit and fascia board show signs of wear and damage.

SAUCON PARK: ROLL TOP BATHROOMS	
FAÇADE	
Materials	CMU
Condition	Select areas require attention/See Photos
ROOF	
Type	Asphalt Shingles
Condition	Good
Age of Installation	Unknown
FOUNDATION WALLS	
Materials	Concrete
Condition	Good
STRUCTURE	
Materials	CMU
Condition	Good
WINDOWS	
Type	N/A
Materials	N/A
Condition	N/A
DOORS	
Type	Man Door
Materials	H.M./H.M. Frame
Accessible	No
Condition	Poor
ACCESSIBILITY	
RESTROOMS	
Sinks	Non-ADA Compliant/See Photos
Water Closet	Non- ADA Compliant/See Photos
Urinals	Non- ADA Compliant/See Photos
Partitions	Non- ADA Compliant/See Photos



Non-ADA complaint toilet room fixtures, no insulated protectors, missing mirrors.



*Holes in Facade
and rusting steel doors.*

SAUCON PARK: POOL BUILDING	
FAÇADE	
Materials	Stucco
Condition	Select areas require attention/See Photos
ROOF	
Type	Asphalt Shingles/Rubber Membrane
Condition	Asphalt - Good/See Photos
Age of Installation	Unknown
FOUNDATION WALLS	
Materials	Concrete
Condition	Fair/See Photos
STRUCTURE	
Materials	CMU
Condition	Fair/Select areas may require attention/See Photos
WINDOWS	
Type	Single-Pane
Materials	H.M. Frame
Condition	Poor/See Photos
DOORS	
Type	Man Door
Materials	H.M./H.M. Frame
Accessible	No
Condition	Poor
ACCESSIBILITY	
RESTROOMS	
Sinks	Non-ADA Compliant/See Photos
Water Closet	Non-ADA Compliant/See Photos

CITY OF BETHLEHEM



Electrical equipment well past typical 30 yr. life expectancy.



Rotting Window Sills and Warped and Damaged fascia on building exterior



Damaged vents, building exterior.



Signs of water damage, delaminating finishes and holes in ceilings.



Rusted and Deteriorated doors & frames



Non-ADA Compliant Restrooms, Facilities and Access

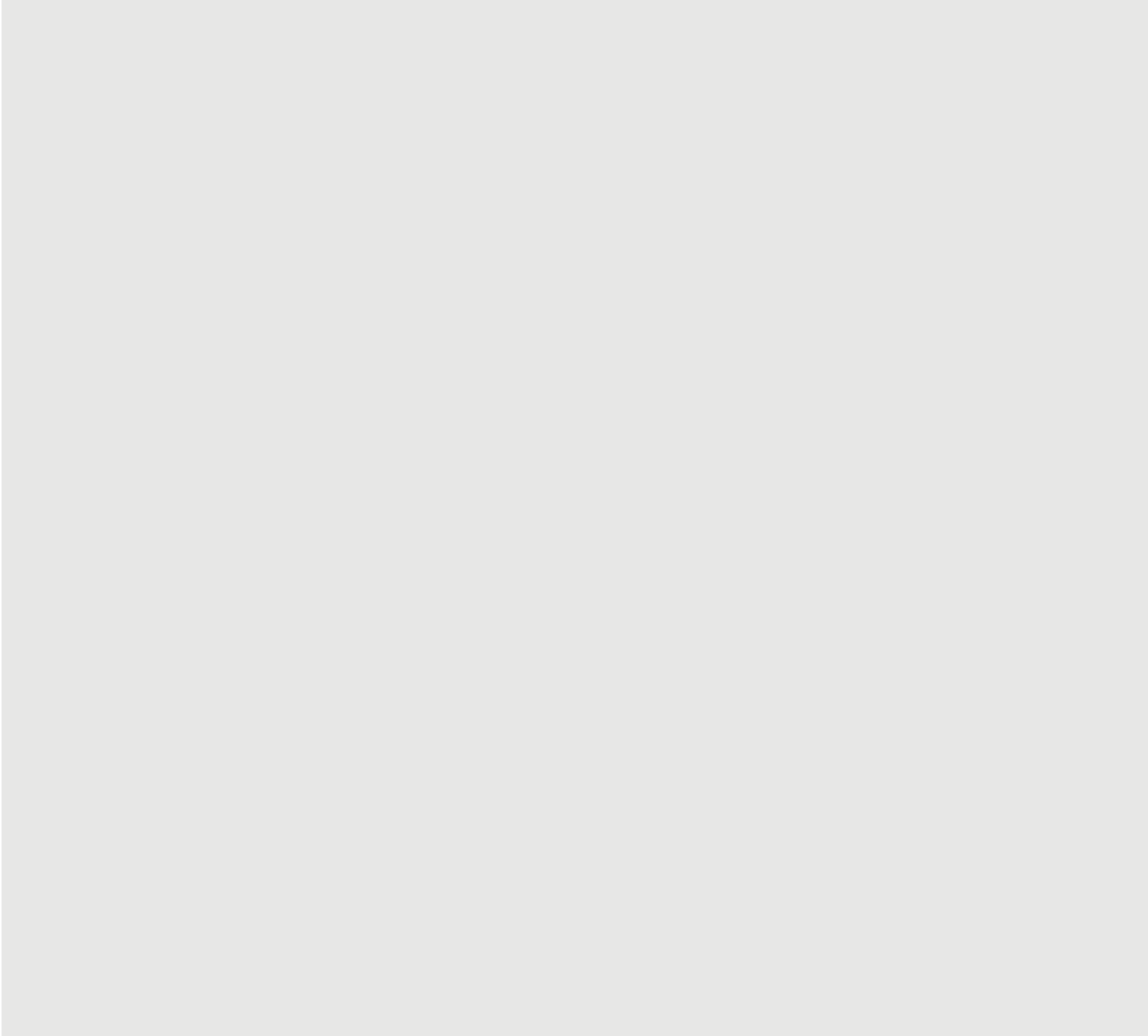


Main Pool



Wading Pool

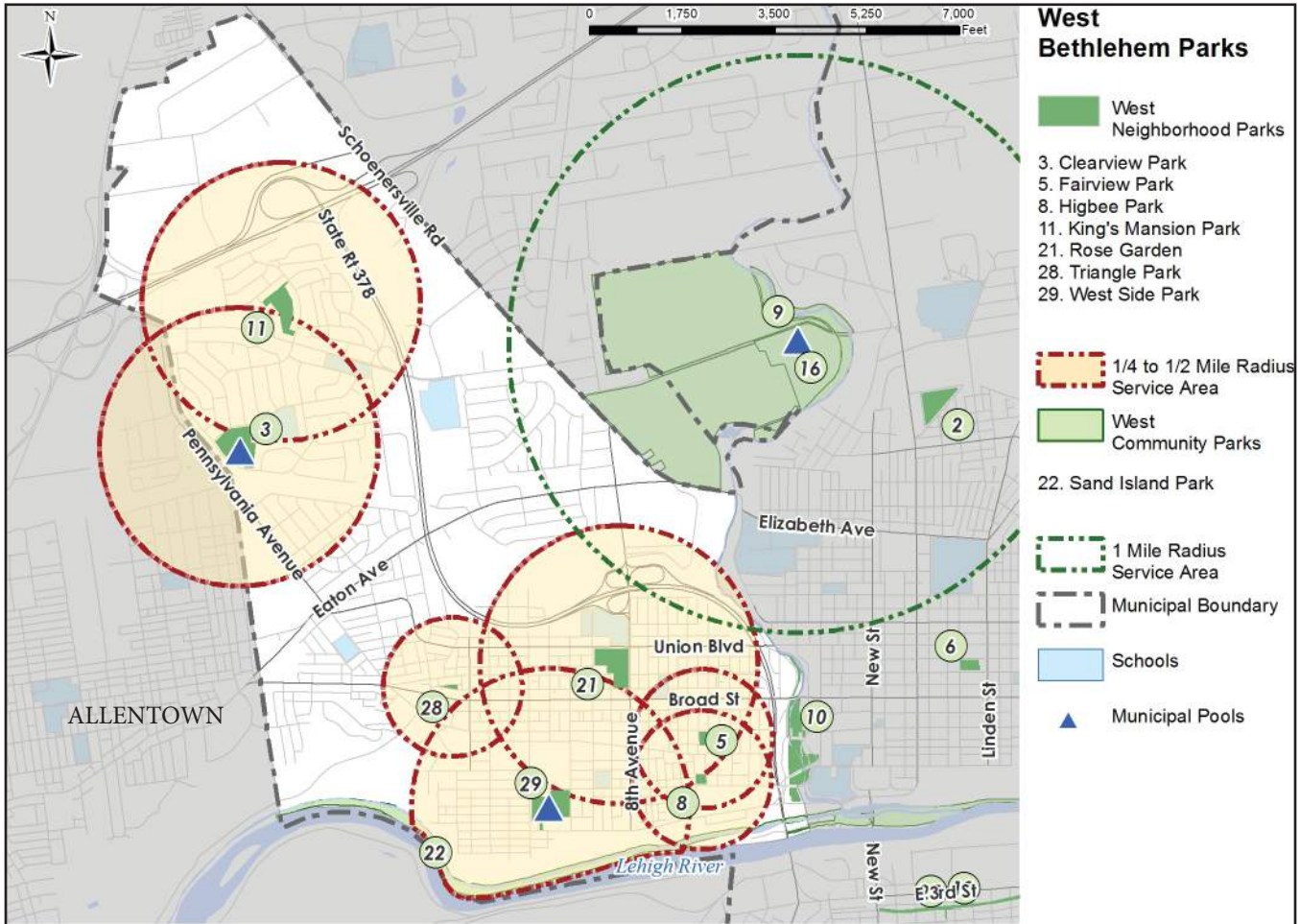
POOL SIZE	
Main Pool	191,357 Gallons
Wading Pool	Unknown
SQUARE FOOTAGE	
Main Pool	5,355 ft ²
FILTER	
Main Pool	Sand
MOST RECENT RENOVATIONS	
1992	Filter
1987/1988	Pool
DEFICIENCIES	
Pool has been abandoned for many years	
Filtration systems have been removed from the pool filter room	
Pool is located in Saucon Creek floodplain.	
Pool not located within walking distance for south Bethlehem residents	





Existing Conditions
West Bethlehem Parks & Pools

CITY OF BETHLEHEM

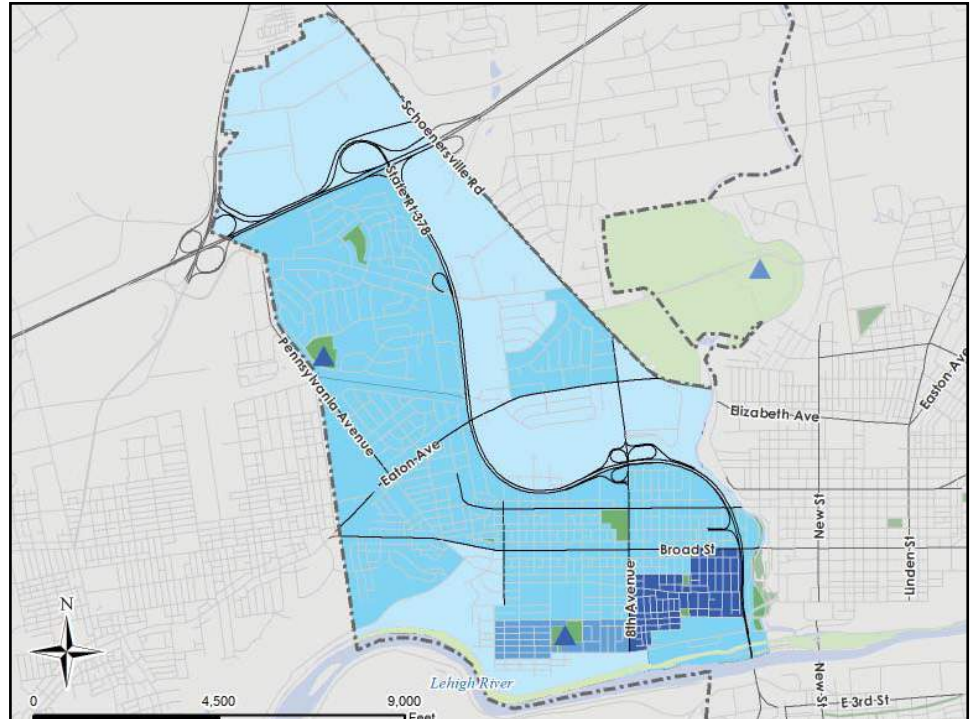
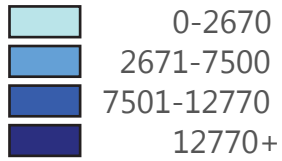


West Bethlehem Neighborhood Parks:

- Clearview
- Fairview
- Higbee
- Kings Mansion
- Rose Garden
- Triangle
- West Side

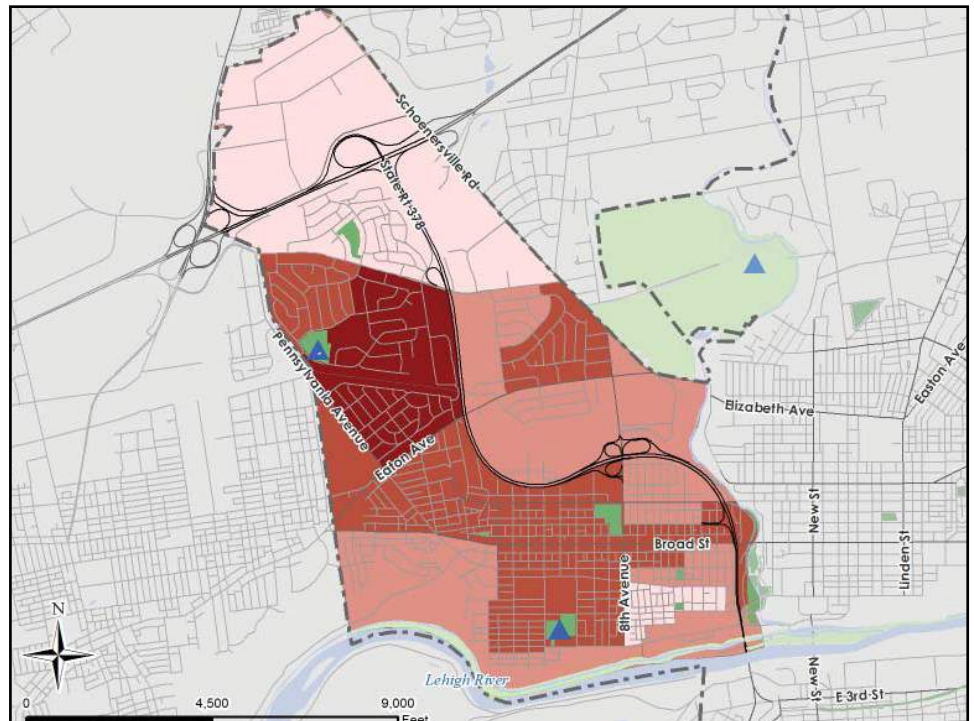
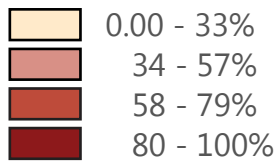
West Bethlehem
POPULATION PER SQUARE MILE

LEGEND



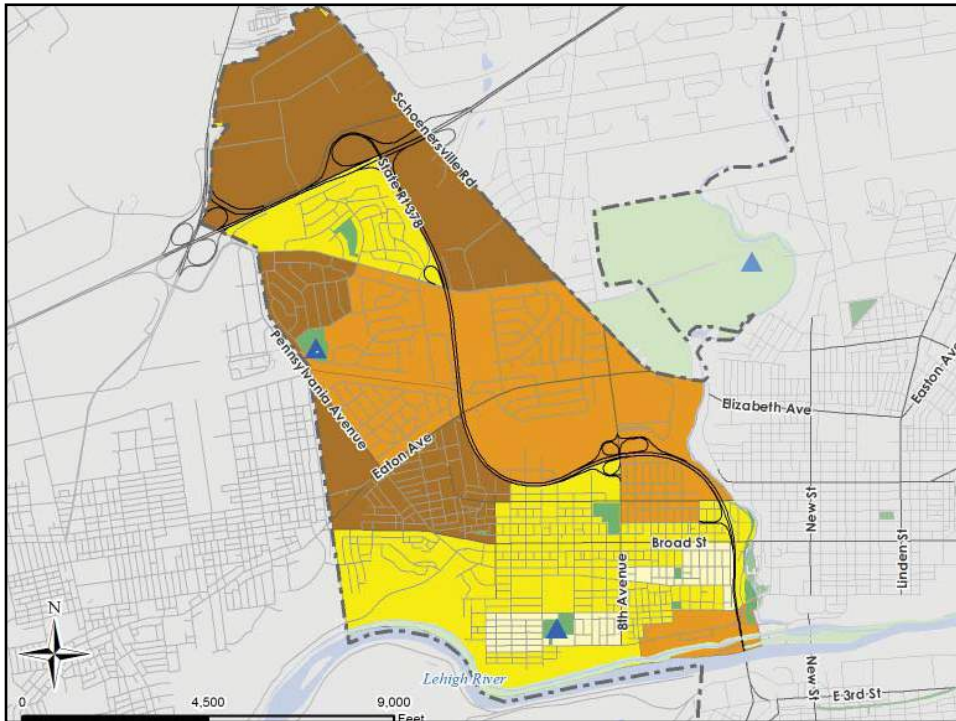
West Bethlehem
PERCENTAGE OWNER-OCCUPIED

LEGEND

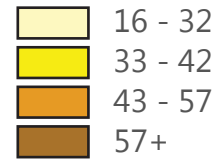


CITY OF BETHLEHEM

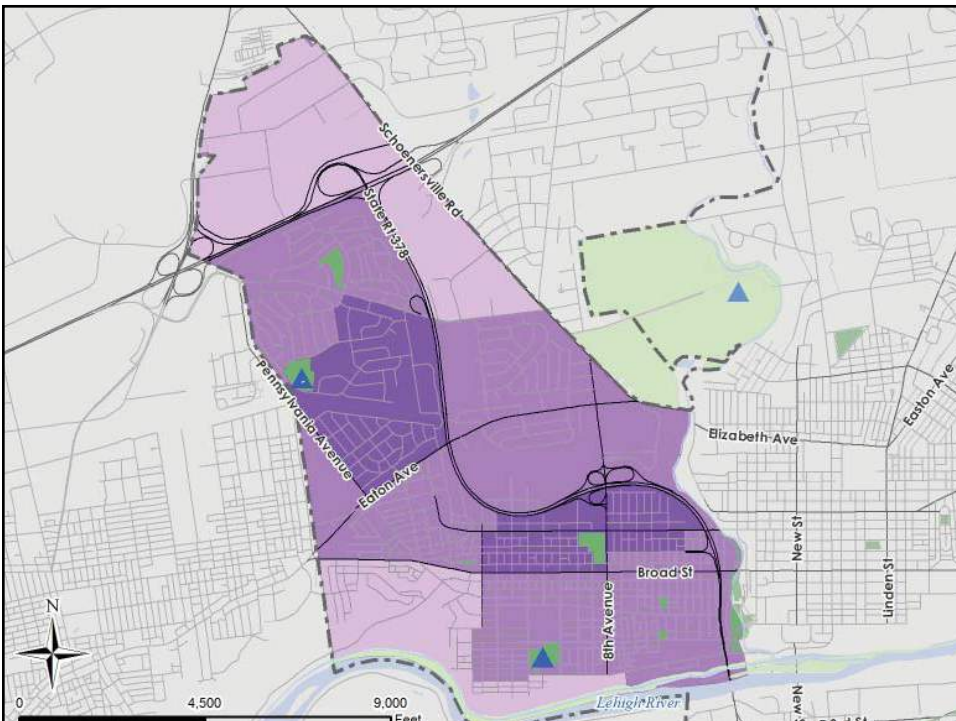
West Bethlehem MEDIAN AGE



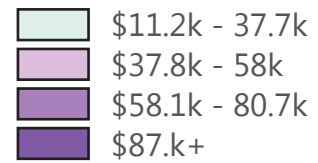
LEGEND

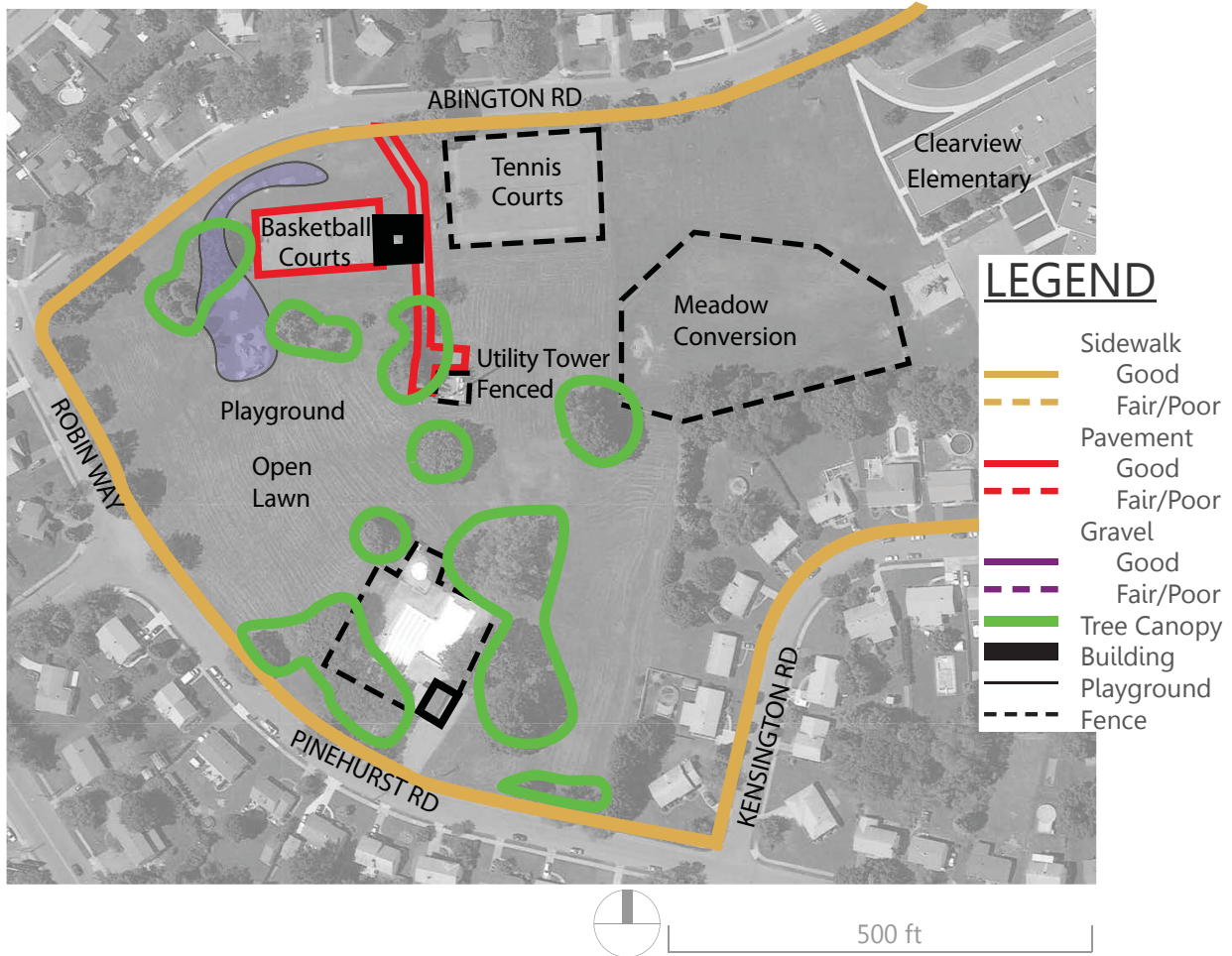


West Bethlehem MEDIAN INCOME



LEGEND





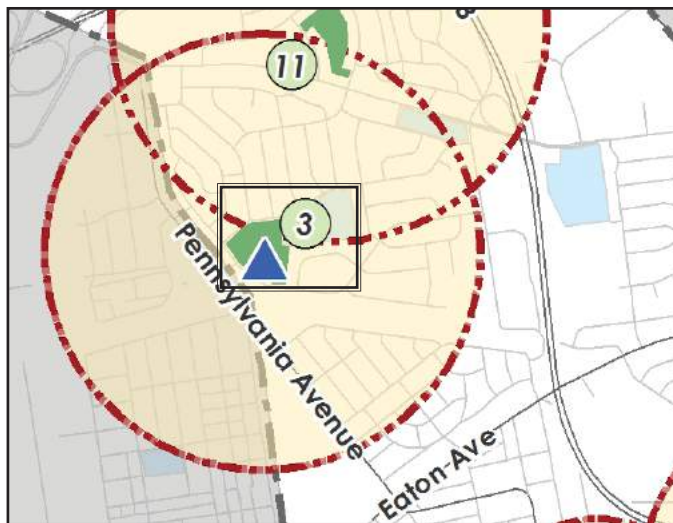
DESCRIPTION:

Abington and Pinehurst Roads
 Neighborhood Park
 Land Use:

Total Acreage:	9.30 acres
Paved Area	1.35 acres
Gravel Paths	0.00 acres
Lawn Area	5.70 acres
Tree Canopy	2.45 acres
Pool	0.55 acres
Playground	0.16 acres

Topography: Level to Nearly Level <5%
 Service Area: .25-.50 Miles

SERVICE AREA:



CLEARVIEW PARK

CITY OF BETHLEHEM

ACTIVE FACILITIES				
CLEARVIEW PARK	Qty	Materials	1-3 Rating	Comments
PLAY EQUIPMENT				
Modular	1	Plastic/Metal/Wood	2	Well Used
Swings	3	Metal, U & V Frame	1	Metal Rusty, Paint Chipping
Seats	10	Plastic/Rubber	1	3 Tot, 1 Dual Parent, 4 Sling, 2 Bench
Slides	1	Metal	1	Rusty
Spring Toys	5	Plastic/Metal	1	Rusty, Chipping Paint
Seesaws	1	Metal	1	Rusty
Climbers	2	Metal	1	Rusty
Tire Swings	1	Plastic/Metal	2	Well Used. 3 bays
TENNIS COURTS	3	Bituminous. uncoated	1	Rusty Fence
BASKETBALL COURTS	2	Bituminous. uncoated	2	1 Full Court, 1 Children Size
POOL/SPLASH PAD	1		2	See Bethlehem Pools Page *
PASSIVE FACILITIES				
PATHWAYS	No	Gravel	1	Overgrown Looping Paths Metal Roofing, Concrete Base, Not ADA Accessible
PAVILION	1	Metal	3	
GRILLS	0			
COMMUNITY GARDENS	0			
BUILDINGS	1			See City Parks Buildings Page *
SUPPORT FACILITIES				
BENCHES	5	Concrete/Wood	2	Playground, pool
	3	Plastic Coated	2	Playground, pool
PICNIC TABLES	1	Wood	1	
	3	Plastic Coated	1	No Chain on Tables
FENCE	2000+	10' Ht. Chain Line	1	Metal chain link, around flag pole and pool
SIGNS				
Rules	1	Aluminum	3	
Adopt A Park / Funding	1	Aluminum	3	Lehigh County
No Dogs	0			
Nature Connection	2	Aluminum	3	Green future; Exciting changes coming
MEMORIALS	1	Tree	1	
TRASH				
Recepticles / Barrels	3	Plastic	1	Un-Attractive
DRINKING FOUNTAINS	0			
PARK LIGHTING	1	Metal Posts	2	Street Lighting on Abington Road
CELL TOWER	1	Metal	2	Fenced



Comprehensive Parks & Pools Study

ACCESS & CIRCULATION			
<i>CLEARVIEW PARK</i>	Y/N	Comments	
PARKING			
Handicapped	No		
On-Street	Yes	On Abington Road	
Internal	No		
MAINTENANCE ACCESS	Yes	From Abington Road	
PEDESTRIAN ACCESS			
ADA to Park	Yes	Neighborhood Sidewalks and Level Ground	
Crosswalks	Yes	At Woodmont Drive and Abington Road intersection	
SAFETY			
Cameras	No		
Vandalism	No		
VEGETATION			
Invasives/Noxious	Yes	Lawn Weeds, Weeds under Fencing, Invasives on D&L	
Existing Trees	Yes	Mature Trees Throughout	
New Trees	No		
RECREATION OPPORTUNITIES WITHIN 1 MILE			
Higbee Park		0.6 Miles	Public - City of Bethlehem
Historical Moravian District		0.5 Miles	Private - Historic Beth. Partnership
Johnston Park		0.7 Miles	Public - City of Bethlehem
South Bethlehem Greenway		0.7 Miles	Public - City of Bethlehem
William Penn Elementary		1.0 Miles	Public-Beth.Area School District



This park is typical of Bethlehem Parks, not well maintained. Some attention given to mulch , but fall zones are inadequate and there is no ADA access to facilities in the park. The courts are in fair condition, lines faded, not coated, tennis court fencing damaged and rusted. No mow meadow reduces mowing and separates park from school property.

CITY OF BETHLEHEM



Rotting fascia and soffit, typical throughout.

Rusted and unstable fence.



CLEARVIEW PARK: POOL BUILDING

FAÇADE	
Materials	Plaster Coated CMU with Mixed Wood Framing
Condition	Select areas require attention - See Photos
ROOF	
Type	Asphalt Shingles
Condition	Shows Wear, Missing Shingles, Patched Areas
Age of Installation	Unknown
FOUNDATION WALLS	
Materials	Concrete
Condition	Select areas require attention - See Photos
STRUCTURE	
Materials	CMU Bearing Walls
Condition	Fair, Select areas need attention
WINDOWS	
Type	Fixed
Materials	Wood Frame
Condition	Fair to Poor
DOORS	
Type	Man Door
Materials	H.M./H.M. Frame
Accessible	No
Condition	Poor/See Photos
ACCESSIBILITY	
RESTROOMS	
Sinks	Non-ADA Compliant/See Photos
Water Closet	Non-ADA Compliant/See Photos
Urinals	Non-ADA Compliant/See Photos

Comprehensive Parks & Pools Study



Several large long horizontal cracks, indication of possible structural issues.



Rusting and rotted door leaf and frame. Non-ADA compliant, damaged door.



Cracks and delaminating finishes due to water infiltration.



Degraded foundation and non-ADA compliant entry way.



Several windows broken and boarded over.



Non-ADA compliant toilets, sinks and partitions in restrooms. Floor presents tripping hazards in restrooms.



Electrical equipment over 30 years old. Manufacturer has history of product failure.

CITY OF BETHLEHEM

CLEARVIEW POOL



MAIN POOL



WADING POOL

POOL SIZE	
Main Pool	210,645 Gallons
Wading Pool	2,349 Gallons
SQUARE FOOTAGE	
Main Pool	5,450 ft ²
Wading Pool	314 ft ²
FILTER	
Main Pool	Sand - 10 HP Pump @ 10.45 GPM/SF
Wading Pool	Sand
MOST RECENT RENOVATIONS	
1987/1988	FILTER AND COPING
DEFICIENCIES	
MAIN POOL TANK	Ladders do not meet today's standards.
	ADA Compliance does not exist.
	Existing Coping Tiles Need repair and new Mortar
	Existing Expansion Joints should be replaced and resealed.
	A contrasting perimeter line should be painted around perimeter of pool.
	Existing Tile Border is in poor condition and should be replaced.

DEFICIENCIES CONTINUED	
WADING TANK	ADA Compliance does not exist.
	Existing Coping is in fair condition.
MAIN POOL FILTER	Rapid Sand Filter
	Pool is operating at an 8 hr turnover rate and does not meet 6 hr
	Existing Tanks are aged and should be replaced.
	Skimmer lines do not meet todays quantity requirement.
	Main Drains were not viewable during inspection.
	Pool return and Skimmer piping does not meet todays standard.
	An air gap does not appear to existing at back wash line.
WADING FILTER	Filter Room was not accessible during inspection.
	Skimmers do not exist.
	Main Drains do not meet VGB requirments.
CONCRETE DECK	Concrete decking is in fair condition.
FEATURES	One single flume slide exists at deep end.
FILTER ROOM	Water Line is installed in front of Electrical Panel



Coping Tile and Expansion Joint - Main Pool



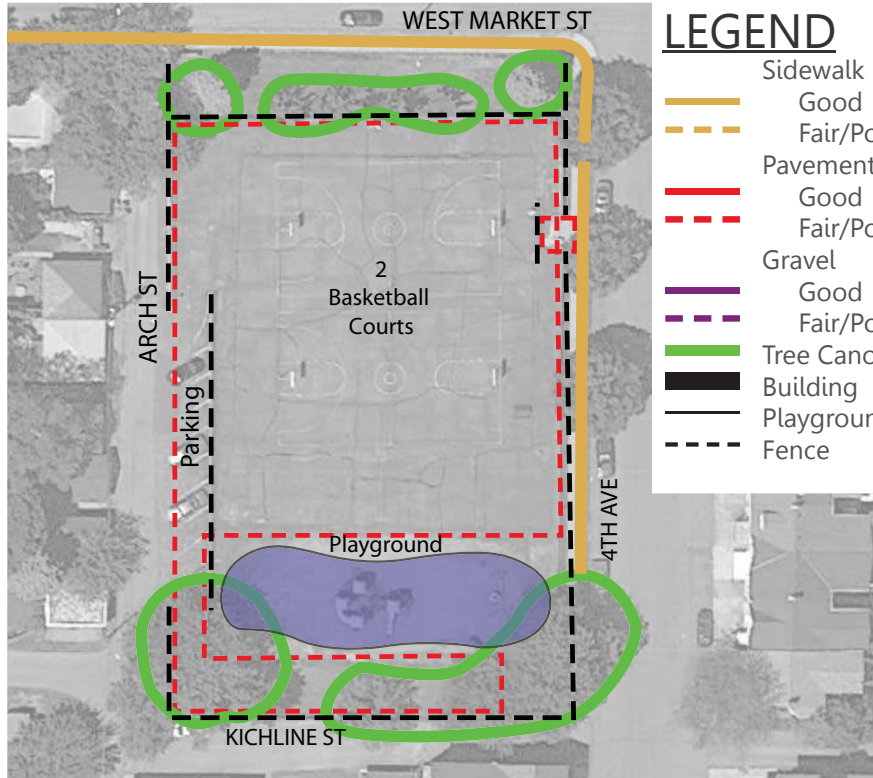
Water Pipe in front of Electrical Panel



Corroded Flow Control and Valving

CITY OF BETHLEHEM

FAIRVIEW PARK



DESCRIPTION:

Arch Street & Fourth Avenue. Neighborhood Park

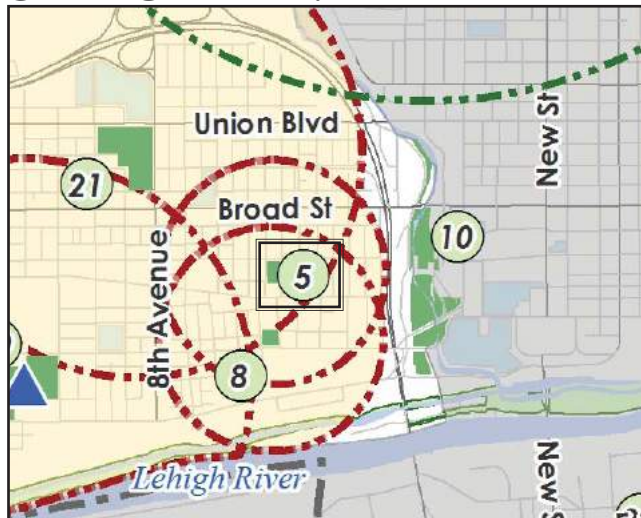
Land Use:

- Total Acreage: 1.21 acres
- Paved Area 0.60 acres
- Lawn Area 0.16 acres
- Tree Canopy 0.36 acres

Topography: Level to Nearly Level <5%

Service Area: .25 - .50 Miles

SERVICE AREA:

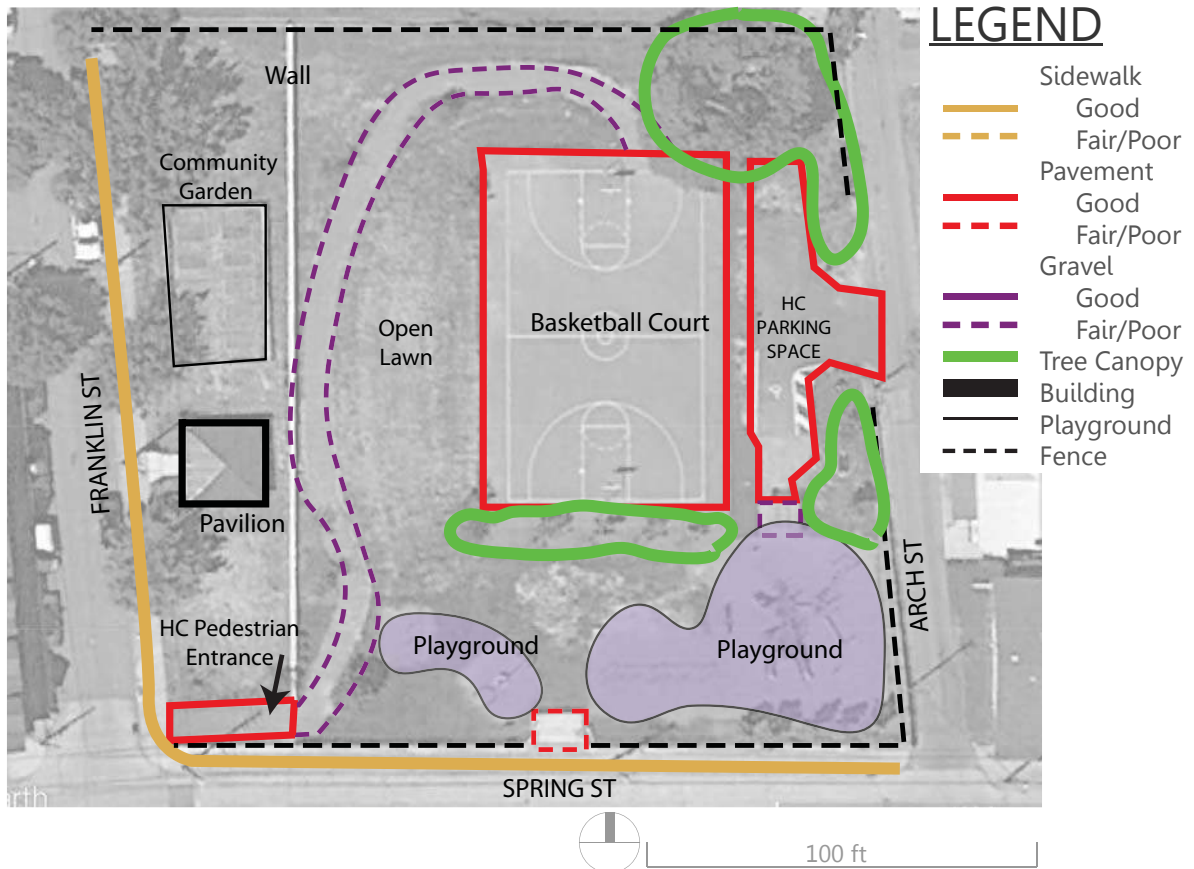


Lots of paving, dated play opportunities, ADA entrance from alley and parking. Mulch is present.

ACTIVE FACILITIES				
FAIRVIEW PARK	Qty	Materials	1-3 Rating	Comments
PLAY EQUIPMENT				
Modular	1	Plastic/Metal	1	Well Used
Swings	1	Plastic/Metal	1	Rusty Chains
Seats	3	Plastic/Metal	1	3 Tot
Spring Toys	2	Plastic/Metal	1	Rusty, Chipping Paint
Tire Swings	1	Plastic/Metal	3	Good Condition
BASKETBALL COURTS	2	Asphalt	1	Fence
PASSIVE FACILITIES				
PATHWAYS	Yes	5' Bituminous	2	Inside Fence. Perimeter of Park
SUPPORT FACILITIES				
BENCHES	2	Concrete/Wood	2	Playground
	2	Plastic Coated	1	Chained to Prevent Theft
FENCE	120 LF	Uncoated Chain Link	1	3' Height
	790 LF	Green Vinyl Net	2	6' Height
SIGNS	Rules	Aluminum	3	at 4th Ave Park Entrance
TRASH	Barrels	Plastic	1	Unattractive
DRINKING FOUNTAINS	1	Metal	2	
PARK LIGHTING	1	Wood Pole.Cobra	2	Street light on W Market Street
ACCESS & CIRCULATION				
PARKING				
Handicapped	No			
On-Street	Yes			Parking on 4th, W. Market, Arch, and W. Kichline St
MAINTENANCE ACCESS	Yes			Fence Gap on Arch St.
PEDESTRIAN ACCESS				
ADA to Park	Yes			Neighborhood Sidewalks. Walls and Steps on 4th and Market Sts
ADA To Facilities	Yes			Much of the Site is Paved
SAFETY				
Cameras	Yes			On W Market Street Light
Vandalism	Yes			Graffiti
VEGETATION				
Invasives/Noxious	Yes			Lawn Weeds, Weeds under Fencing
Trees	Yes			Sparse Cover, 10% Shaded, New Trees Planted 2016
New Trees	Yes			Tree Vitalize Program
RECREATION OPPORTUNITIES WITHIN 1 MILE				
Higbee Park		0.1 Miles		Public - City of Bethlehem
Calypso Elementary School		0.4 Miles		Public-Beth.Area School District
Johnston Park		0.4 Miles		Public - City of Bethlehem
Rose Garden		0.4 Miles		Public - City of Bethlehem
Sand Island		0.5 Miles		Public - City of Bethlehem
Westside Park		0.6 Miles		Public - City of Bethlehem

CITY OF BETHLEHEM

HIGBEE PARK



DESCRIPTION:

Spring and Franklin Streets
Neighborhood Park

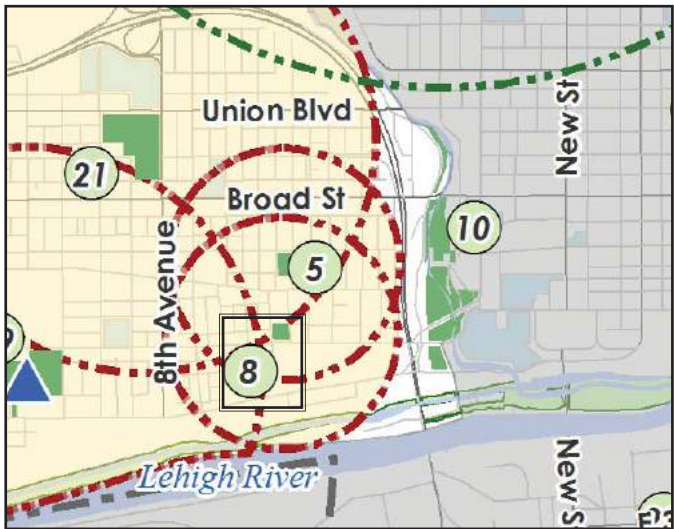
Land Use:

Total Acreage:	0.90 acres
Paved Area	0.19 acres
Gravel Paths	0.06 acres
Lawn Area	0.29 acres
Tree Canopy	0.13 acres
Playground	0.08 acres
Community Garden	0.02 acres

Topography: Level to Nearly Level <5%

Service Area: .25 - .50 Miles

SERVICE AREA:



Hand-print wall

ACTIVE FACILITIES				
HIGBEE PARK	Qty	Materials	1-3 Rating	Comments
PLAY EQUIPMENT				
Modular	1	Plastics/Metals	2	Newer, Mulched, ADA compliant
Swings	2	Metal, 1-V, 1 -U	2	2 Bay U-Frame, 1 Bay V Frame
Seats	6	Plastic/Rubber	2	4 sling, 2 tot
Spring Toys	3	Plastic/Metal	1	Rusty, Chipping Paint
Tire Swings	1	Plastic/Metal	2	Newer, Grafitti
BASKETBALL COURTS	1	Bituminous	3	Painted -Not Coated
PASSIVE FACILITIES				
PATHWAYS	Yes	Gravel	2	Overgrown in areas
PAVILION	1	Metal/Concrete Base	3	New, ADA Accessible
COMMUNITY GARDENS	1	10 Garden Plots	1	Not Maintained
SUPPORT FACILITIES				
BENCHES	1	Plastic Coated	2	Playground
PICNIC TABLES	3	Plastic Coated	1	Relocated, Vandalized
WALL	1	Concrete 3-4'	2	Hand Painted
FENCE	290 LF	3' ht.,Chain Link	2	Green Vinyl, Around playground
SIGNS				
Rules	1	Aluminum	3	
Adopt A Park / Funding	1	Aluminum	3	Lehigh County Green Futures Fund
TRASH Barrels	3	Metal	3	Decorative
Recepticles / Barrels	3	Metal	2	Well maintained
DRINKING FOUNTAINS	0			
PARK LIGHTING	4	Wood Pole.Cobra	2	One on Each Street Corner



Basketball Courts in good condition, new trees, ADA parking and access to facilities.

CITY OF BETHLEHEM

ACCESS & CIRCULATION			
HIGBEE PARK	Y/N	Comments	
PARKING			
Handicapped	Yes	One Space Provided Inside the Park	
On-Street	Yes	Franklin St and Spring St	
MAINTENANCE ACCESS	Yes	Arch Street	
PEDESTRIAN ACCESS			
Walls	Yes	5' Stone Wall on Spring and Arch Sts, Interior Concrete Wall	
ADA to Park	Yes	Access Ramp at Franklin and Spring Sts	
ADA To Facilities	Yes	All Facilities in Higbee	
SAFETY			
Cameras	No		
Vandalism	Yes	Picnic Table Moved From Pavilion	
<i>Coated Basketball Court</i>			
VEGETATION			
Invasives/Noxious	Yes	Lawn Weeds, Weeds under Fencing, Invasives	
Trees	Yes	New Trees Throughout	
RECREATION OPPORTUNITIES WITHIN 1 MILE			
Fairview Park		0.2 Miles	Public - City of Bethlehem
Calypso Elementary School		0.4 Miles	Public-Beth.Area School District
Johnston Park		0.5 Miles	Public - City of Bethlehem
Rose Garden		0.5 Miles	Public - City of Bethlehem
Sand Island		0.5 Miles	Public - City of Bethlehem
Westside Park		0.6 Miles	Public - City of Bethlehem



ADA access ramp into Higbee Park. ADA compliant Curb Ramps and Crosswalks missing.



New ADA accessible Pavilion with new Trash Receptacles and seating.

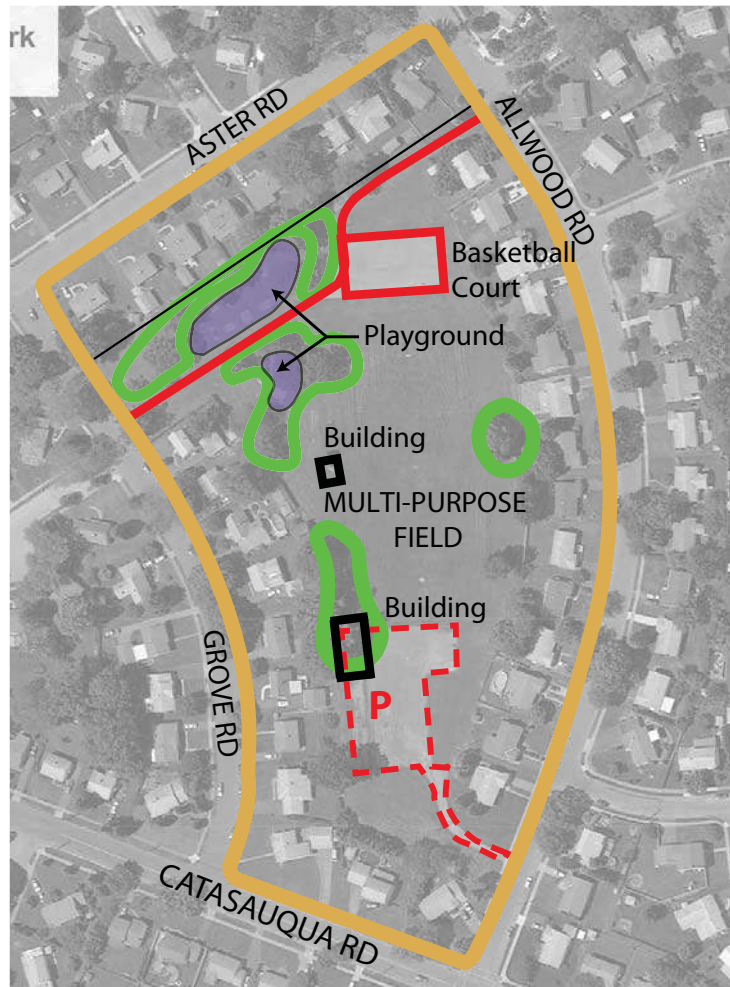


Gravel Paths need Frequent Edging



Modular play set with transfer station and appropriate mulching

Comprehensive Parks & Pools Study



LEGEND

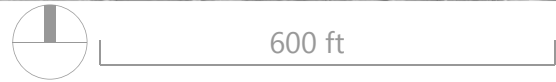
- Sidewalk
 - Good
 - Fair/Poor
- Pavement
 - Good
 - Fair/Poor
- Gravel
 - Good
 - Fair/Poor
- Tree Canopy
- Building
- Playground
- Fence

DESCRIPTION:

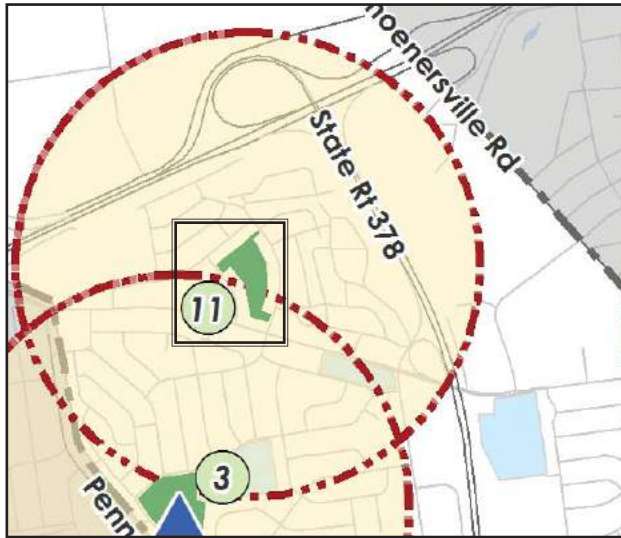
Grove and Allwood Roads
Neighborhood Park
Land Use:

Total Acreage	9.10 acres
Paved Area	0.91 acres
Gravel Paths	0.00 acres
Lawn Area	3.69 acres
Tree Canopy	1.24 acres
Playground	0.18 acres

Topography: Level to Nearly Level <5%
Service Area: .25 - .50 Miles



SERVICE AREA:



Basketball Courts in Poor Condition.

KING'S MANSION

CITY OF BETHLEHEM

ACTIVE FACILITIES				
KINGS MANSION PARK	Qty	Materials	1-3 Rating	Comments
PLAY EQUIPMENT				
Modular	1	Plastic/Metal	2	Modern 5-12 yr., Newer
Modular	1	Plastic/Metal	1	Small Tot Modular, Dated
Swings	3	Metal, V Frame	1	Rusted, Unpainted
Seats	8	Plastic/Rubber	1	2 Tot, 3 Bench, 3 Sling
Slides	1	Metal	1	Very Dated, Rusted
Spring Toys	3	Plastic/Metal	1	Rusted, Chipping Paint
Climbers	1	Metal	1	Chipping Peeling Paint. Antique
Seesaws	3	Metal	1	Rusted
BASKETBALL COURTS	1.5	Bituminous	1	Not Painted, Poorly Graded
PASSIVE FACILITIES				
PATHWAYS	Yes	Bituminous, 6' Wide	2	Tree Roots, Cracking
PAVILION	0			
BUILDINGS	2			See City Parks Buildings Page *
SUPPORT FACILITIES				
BENCHES	2	Concrete/Wood	2	Playground
	1	Plastic Coated	2	Basketball courts
PICNIC TABLES	0			
FENCE				
SIGNS	Rules	Aluminum	3	
	Adopt A Park / Funding	Aluminum	3	Boy Scout Troop 318
TRASH	Barrels	Plastic	2	Un-Attractive
DRINKING FOUNTAINS	0			
PARK LIGHTING	6	Wood Pole.Cobra	2	Street Lighting surruounding Park
	3	Wood Posts	1	Multi-Purpose Field



Play equipment is some of the most outdated in the city.
Fall zones are inadequate. Peeling paint may contain lead.



Newer playground equipment with mulch bed.
Fall zones not compliant.

Comprehensive Parks & Pools Study

ACCESS & CIRCULATION			
KINGS MANSION PARK	Y/N	Comments	
PARKING			
Handicapped	No		
On-Street	Yes	On Grove Rd, Aster Rd, and Allwood Dr	
Internal	Yes	Access on Allwood Drive	
MAINTENANCE ACCESS	Yes	From Allwood Drive	
PEDESTRIAN ACCESS			
ADA to Park	Yes	Neighborhood Sidewalks, Good Condition	
ADA To Facilities	Yes	Bituminous Path condition may not meet ADA criteria	
SAFETY			
Vandalism	No		
VEGETATION			
Invasives/Noxious	Yes	Lawn Weeds, Weeds under Fencing, Invasives on D&L	
Existing Trees	Yes	Mature Trees Throughout	
RECREATION OPPORTUNITIES WITHIN 1 MILE			
Clearview Park		0.5 Miles	Public - City of Bethlehem
James Buchanan Elementary		0.7 Miles	Public-Beth.Area School District



Bituminous path connecting Allwood and Grove Roads. Condition does not meet ADA criteria for smooth surface, cross slope and width.



Allwood Road Parking lot and Multi-Purpose Fields with Night Lighting

CITY OF BETHLEHEM

KINGS MANSION PARK BUILDINGS			
FAÇADE	Building 1	Building 2	Building 3
Materials	Painted CMU	Painted CMU	Wood Siding
Condition	Poor/See Photos	Poor/See Photos	Poor/See Photos
ROOF			
Type	Rubber Membrane	Rubber Membrane	Asphalt Shingles
Condition	Shows wear/ See Photos	Shows wear/ See Photos	Shows wear/See Photos
Age of Installation	N/A	N/A	N/A
FOUNDATION WALLS			
Materials	Concrete	Concrete	Concrete
Condition	Unknown	Unknown	Unknown
STRUCTURE			
Materials	CMU	CMU	Wood
Condition	Fair/See Photos	Fair/See Photos	Fair
WINDOWS			
Type	N/A	N/A	N/A
Materials	N/A	N/A	N/A
Condition	N/A	N/A	N/A
DOORS			
Type	Man Door	Man Door	Man Door
Materials	H.M./H.M. Frame	H.M./H.M. Frame	WD/WD Frame
Accessible	Poor	Poor	Poor
Condition			

Building #1



Building #1: Holes in CMU.



Building #1: Damaged door.

Building #2



Building #2: Roof sagging and improperly installed coping.



Building #2: Damaged soffit.

Building #3



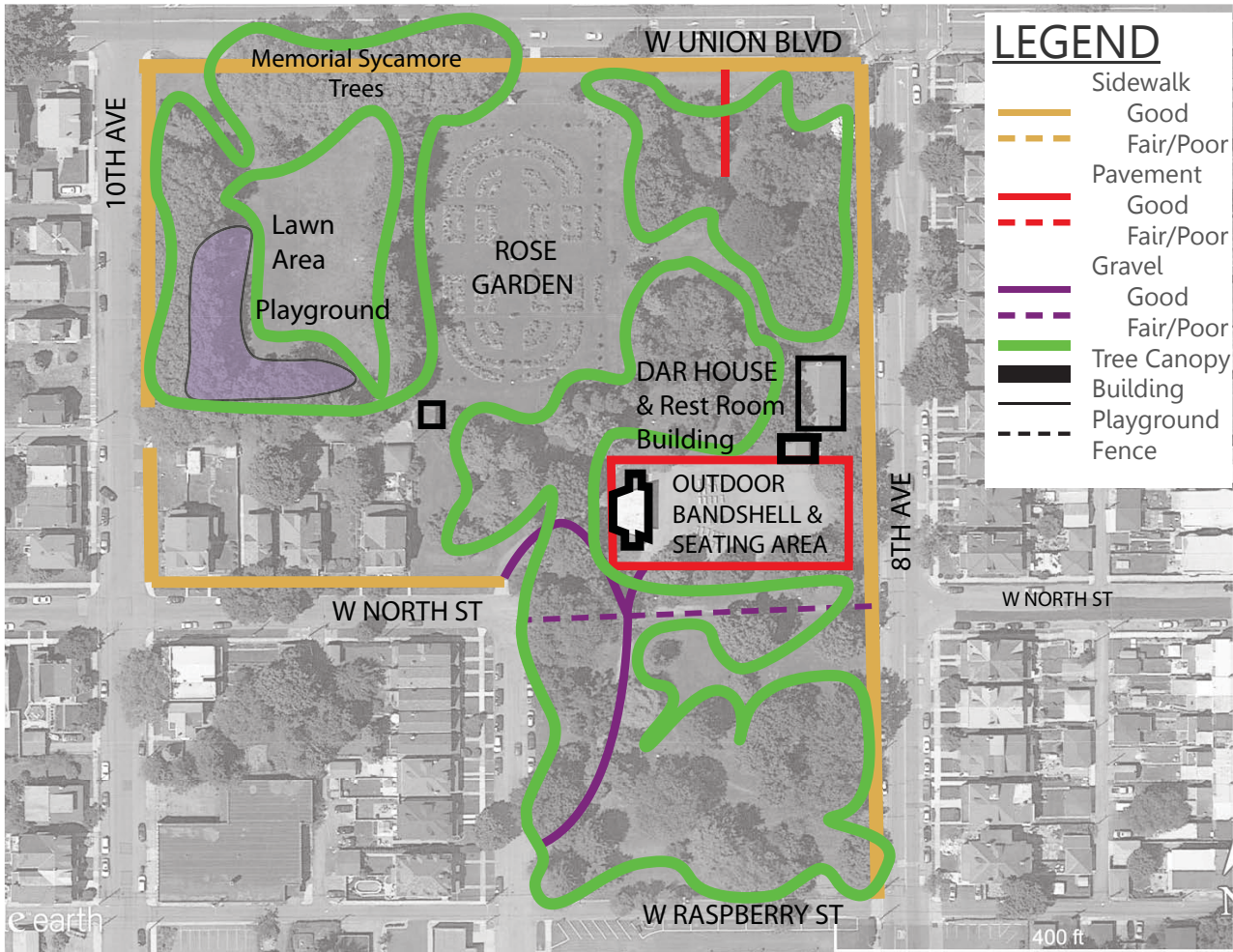
Building #3: Located adjacent to Building #2. Damaged siding.



Buildings #2 & #3 as seen from Allwood Road access driveway. Multi-purpose fields currently used by Liberty High School for athletic practices.

CITY OF BETHLEHEM

ROSE GARDEN



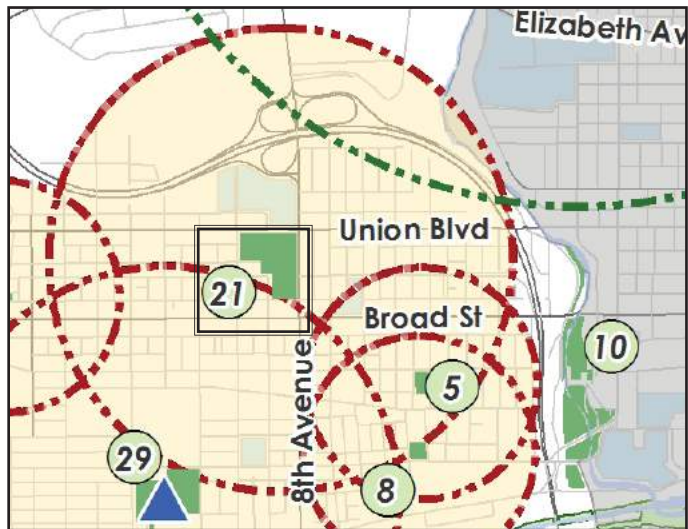
DESCRIPTION:

W. Union Blvd and 8th Avenue
 Neighborhood Park
 Land Use:

Total Acreage	11.00 acres
Paved Area	0.67 acres
Gravel Paths	0.26 acres
Lawn Area	1.01 acres
Tree Canopy	5.35 acres
Playground	0.18 acres
Rose Garden	1.06 acres

Topography: Level to Nearly Level <5%
 Service Area: .25 - .50 Miles
 Band Shell Draws Audiences from entire Lehigh Valley

SERVICE AREA:



Comprehensive Parks & Pools Study

ACTIVE FACILITIES				
ROSE GARDEN	Qty	Materials	1-3 Rating	Comments
PLAY EQUIPMENT				
Modular	1	Plastic/Metal	2	Well Used
Swings	1	Metal , V Frame	1	Paint Chipping, Rusty
Seats	4	Plastic/Rubber	1	2 Tot, 1 Bench, 1 Sling
Tire Swings	1	Plastic/Metal	2	Well Used
TENNIS COURTS	0			
PASSIVE FACILITIES				
PATHWAYS	Yes	Compacted Screenings	1	Some Overgrown, Various Widths
PAVILION	0			
AMPHITHEATRE	1	Concrete Bandshell	2	Concert Venue
COMMUNITY GARDENS	0			
ROSE GARDEN	0	0.96 AC	2	Not Enough Mulching
DAR House	2		1	See City Parks Building Page *
SUPPORT FACILITIES				
BENCHES	26	Concrete/Wood	2	Placed around Park, Near Bandshell
	7	Wood	3	Memorialized Benches
PICNIC TABLES	0	Wood		
	1	Plastic Coated	1	Poorly Maintained, Playground
FENCE		3' ht.,Chain Link		
SIGNS				
Rules	3	Aluminum	3	
Adopt A Park / Funding	0	Aluminum		
MEMORIALS	4	Stone	1	Christopher Columbus, Air Crash Victims ('61) WWII, Men & Women from W. Bethlehem in WWII, J.K. Taylor, LV Workers Memorial
	7	Wood	3	Memorialized benches
	10	Sycamore Trees	3	George Washington Bicentennial Memorial Trees, 1930-1932
TRASH				
Recepticles / Barrels	3	Plastic	1	Un-Attractive
DRINKING FOUNTAINS	1	Metal	1	Does Not Work
PARK LIGHTING				
	2	Metal Posts	2	
	10	Decorative Metal	2	Custom Made
	4	Wood Pole.Cobra		

CITY OF BETHLEHEM



Gravel Pathway through park encroached by lawn grass. Not ADA compliant.



Bench Seating for Band shell



Internal HC Parking for Band shell



Modular Play Structure in Good Condition, Fall Zones may be inadequate



Dated Swing Frame with Peeling Paint may be Lead Hazard. Mulch pit irregular



Dated Light Fixture not efficient and damaged



Christopher Columbus Memorial and World War II Memorials represent opportunity for historical education



Memorial Trees Planted 1930-1933.



LV Workers Memorial in Rose Garden



1887 Civil War Memorial

Comprehensive Parks & Pools Study

ACCESS & CIRCULATION			
<i>ROSE GARDEN</i>	Y/N	Comments	
PARKING			
Handicapped	No		
On-Street	Yes	On Each Edge of Park - 8th, 9th, 10th Ave, W. Union Blvd, & W. Raspberry St	
Internal	Yes	From W. North St, for Bandshell	
MAINTENANCE ACCESS	Yes	On 9th Ave/W North Ave	
PEDESTRIAN ACCESS			
ADA to Park	Yes	Neighborhood Sidewalks at Level Grades	
Crosswalks	Yes	10th Ave/Union Blvd intersection; 8th Ave/Union Blvd intersection	
ADA To Facilities	No		
SAFETY			
Cameras	No		
Vandalism	No		
VEGETATION			
Invasives/Noxious	Yes	Lawn Weeds	
Existing Trees	Yes	Mature Trees Throughout	
RECREATION OPPORTUNITIES WITHIN 1 MILE			
Nitschmann Middle School		0.1 Miles	Public-Beth.Area School District
Calypso Elementary		0.4 Miles	Public-Beth.Area School District
Fairview Park		0.4 Miles	Public - City of Bethlehem
Higbee Park		0.5 Miles	Public - City of Bethlehem
Triangle Park		0.6 Miles	Public - City of Bethlehem
Westside Park		0.6 Miles	Public - City of Bethlehem
Historical Moravian District		0.7 Miles	Private - Historic Beth. Partnership
Johnston Park		0.7 Miles	Public - City of Bethlehem
William Penn Elementary		0.8 Miles	Public-Beth.Area School District
Monocacy Park Complex		0.9 Miles	Public - City of Bethlehem
Buchanan Park		1.0 Miles	Public - City of Bethlehem
Sand Island		1.0 Miles	Public - City of Bethlehem



DAR reconstructed Log Cabin - 8th Avenue Entrance



Rose Garden Band shell

CITY OF BETHLEHEM



Rotting wood facade.

ROSE GARDEN: DAR HOUSE	
FAÇADE	
Materials	Log Construction/Stone
Condition	Select areas require attention - See Photos
ROOF	
Type	Asphalt Shingles
Condition	Shows Wear, Missing Shingles, Patched Areas
Age of Installation	Unknown
FOUNDATION WALLS	
Materials	Concrete/Stone
Condition	Select areas require attention - See Photos
STRUCTURE	
Materials	Wood
Condition	Fair, Select areas need attention
WINDOWS	
Type	Single-hung
Materials	Existing Wood
Condition	Fair/See Photos
DOORS	
Type	Man Door
Materials	WD/WD Frame
Accessible	No
Condition	Poor/See Photos
ACCESSIBILITY	
RESTROOMS	
Sinks	Non-ADA Compliant/See Photos
Water Closet	Non-ADA Compliant/See Photos
Urinals	Non-ADA Compliant/See Photos
Partitions	Poor Condition/Non-ADA Compliant/See Photos





Damaged shingles, worn roof edge, deteriorating gutter and straps, facade and structure.



Exposed piping, no insect screens.



Inverted drainage plane. Typically, missing downspouts.



Animal damage on window sash.



Non-ADA compliant bathroom, entry door and ramp.



Rotting log construction on multiple sides.



Reconstructed South Facing Side. Drainage Plane still inverted as shown above.

CITY OF BETHLEHEM



Damaged and chipped concrete edge.



Non-ADA compliant ramp.

ROSE GARDEN: BANDSHELL

FAÇADE	
Materials	Brick w/ CMU back-up
Condition	Select areas require attention - See Photos
ROOF	
Type	Rubber Membrane
Condition	Normal Wear
Age of Installation	Unknown
FOUNDATION WALLS	
Materials	Concrete
Condition	Select areas require attention - See Photos
STRUCTURE	
Materials	CMU
Condition	Fair, Select areas need attention
WINDOWS	
Type	N/A
Materials	N/A
Condition	N/A
DOORS	
Type	Man Door
Materials	H.M./H.M. Frame
Accessible	No
Condition	Poor



Missing gutters and downspouts, typical.



Degrading brick facade and mortar joints due to water infiltration from missing downspouts, typical.



Non-compliant, non-GFCI exterior outlets.



Damaged Light Fixture



Toilet Building at Rose Garden Park. Facade and Roof appear to be in good condition.

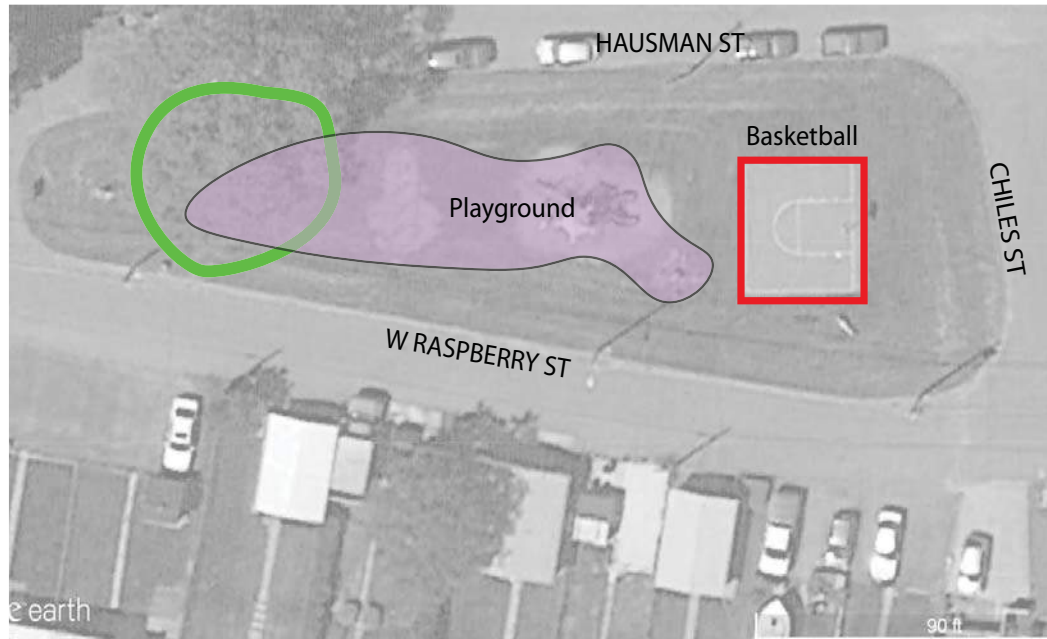


Toilet Building interior is in good condition, but do not meet current ADA criteria

CITY OF BETHLEHEM

LEGEND

- Sidewalk
 - Good
 - - - Fair/Poor
- Pavement
 - Good
 - - - Fair/Poor
- Gravel
 - Good
 - - - Fair/Poor
- Tree Canopy
 - Building
 - - - Playground
 - - - Fence



TRIANGLE PARK

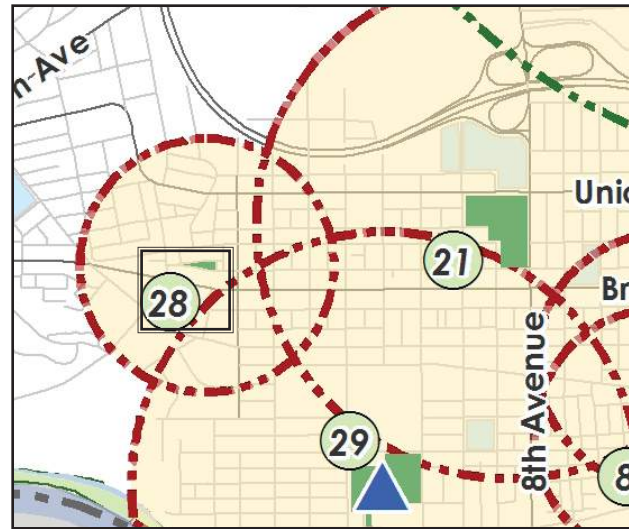
DESCRIPTION:

W. Raspberry and Hausman Streets
Pocket Park
Land Use:

Total Acreage	0.30 acres
Paved Area	0.02 acres
Gravel Paths	0.00 acres
Lawn Area	0.21 acres
Tree Canopy	0.07 acres

Topography: Level to Nearly Level <5%
Service Area: .25 - .50 Miles

SERVICE AREA:




Swing Set rusting and outdated



Tot modular play set contains transfer station

Comprehensive Parks & Pools Study

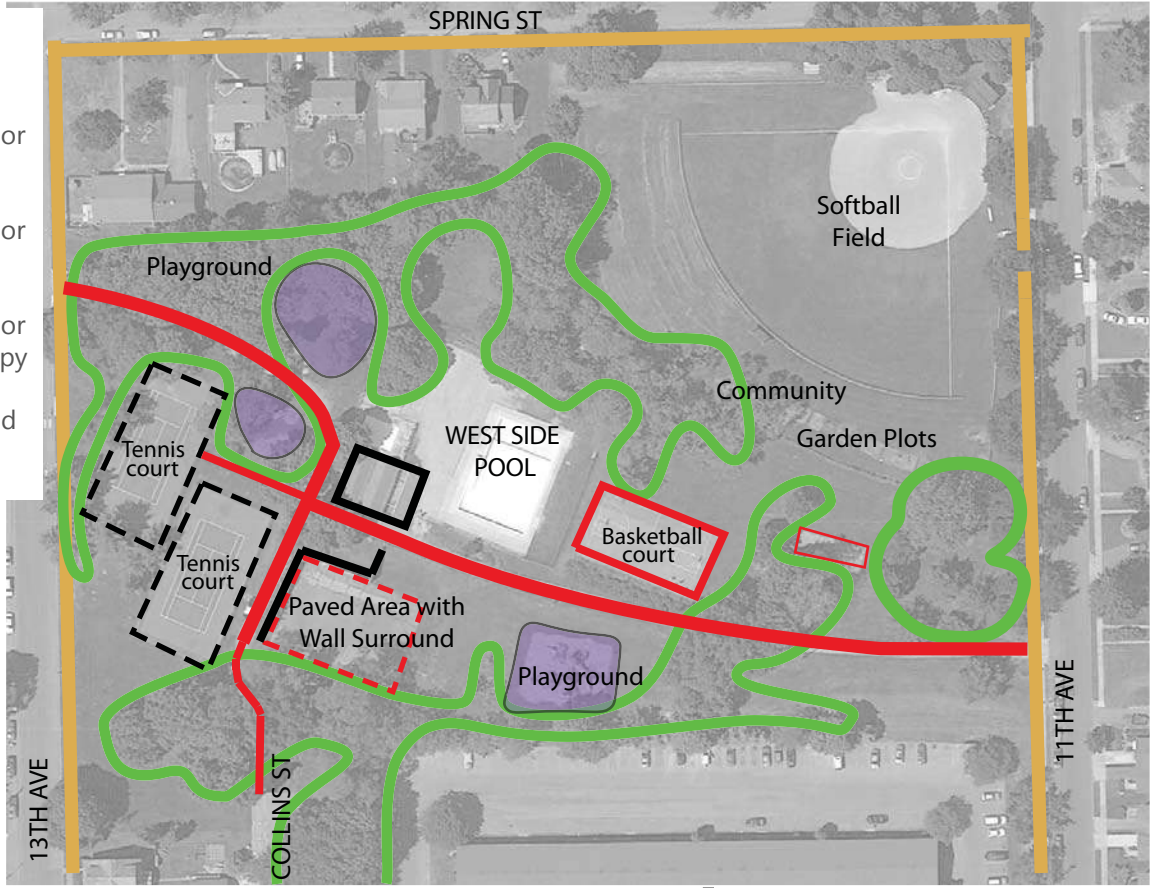
ACTIVE FACILITIES					
TRIANGLE PARK	Qty	Materials	1-3 Rating	Comments	
PLAY EQUIPMENT					
Modular	1	Plastic/Metal	2	Faded, Fair Condition	
Swings	1	Metal, U Frame	1	Paint Chipping, Rusty	
Seats	4	Plastic/Rubber	1	2 Tot. 2 Sling	
Spring Toys	6	Plastic/Metal	1	Rusted, Chipping Paint	
Seesaws	1	Metal	1	Rusted, Chipping Paint	
BASKETBALL COURTS	0.5	Bituminous	2	Foul Shot Court	
PASSIVE FACILITIES					
PATHWAYS	No				
SUPPORT FACILITIES					
BENCHES	2	Plastic coated	2	Playground	
SIGNS	Adopt A Park	1	Aluminum	3	Triangle Park Blockwatch/Lisa Boscola
TRASH	Barrels	1	Plastic	1	Un-Attractive
PARK LIGHTING	1	Wood Pole.Cobra	2	Street lighting	
ACCESS & CIRCULATION					
PARKING					
Handicapped	Yes	2 Spaces adjacent to Park at western end			
On-Street	Yes	Raspberry Street and Hausman Street			
PEDESTRIAN ACCESS					
ADA to Park	No	No Sidewalks			
ADA To Facilities	No	Transfer station on modular playset			
SAFETY					
Vandalism	No				
VEGETATION					
Invasives/Noxious	Yes	Lawn Weeds			
Existing Trees	Yes	1 Sycamore Tree in Park			
RECREATION OPPORTUNITIES WITHIN 1 MILE					
Rose Garden		0.6 Miles		Public - City of Bethlehem	
Westside Park		0.6 Miles		Public - City of Bethlehem	
Calypso Elementary School		0.7 Miles		Public-Beth.Area School District	
Fairview Park		0.9 Miles		Public - City of Bethlehem	
Higbee Park		1.0 Miles		Public - City of Bethlehem	



CITY OF BETHLEHEM

LEGEND

- Sidewalk
 - Good
 - Fair/Poor
- Pavement
 - Good
 - Fair/Poor
- Gravel
 - Good
 - Fair/Poor
- Tree Canopy
- Building
- Playground
- Fence



WEST SIDE PARK

DESCRIPTION:

13th and 11th Avenues
Neighborhood Park
Land Use:

Total Acreage	6.84 acres
Paved Area	1.66 acres
Lawn Area	2.19 acres
Tree Canopy	4.00 acres

Topography: Moderately Sloping 10%-15%
Service Area: .25 - .50 Miles

SERVICE AREA:



Comprehensive Parks & Pools Study

ACTIVE FACILITIES				
WESTSIDE PARK	Qty	Materials	1-3 Rating	Comments
PLAY EQUIPMENT				
Modular	1	Plastic/Metal/Wood	2	Well used, extensive playset
Swings	1	Metal, V Frame	1	Rusty, Chipping Paint
Seats	4	Plastic/Rubber	1	2 sling, 1 tot, 1 dual parent
Slides	1	Metal	1	Rusty
Spring Toys	3	Plastic/Metal	1	Rusty, Chipping Paint
Seesaws	1	Metal	1	Rusty
Tire Swings	2	Plastic/Metal	2	Well used,
TENNIS COURTS	2	Bituminous. Coated	3	Fenced separately
BASKETBALL COURTS	1	Bituminous. Coated	3	Fenced w/ Seating and 6 lights
SOFTBALL FIELDS	1.04 AC		2	Bethlehem Stars Softball
POOL/SPLASH PAD	1		2	See Bethlehem City Pools Page *
PASSIVE FACILITIES				
PATHWAYS	Yes	Paved	2	Maintenance drive from 11th to 13th
PAVILION	0			
COMMUNITY GARDENS	1	Approx. 20 Plots	1	Overgrown, poorly maintained Shurbs & Perennials Surrounding
ENTRY GARDENS	1	Planting at Entry	1	Stone Columns
BUILDINGS	1			See City Buildings Pages
SUPPORT FACILITIES				
BENCHES	6	Concrete/Wood	2	Playground
PICNIC TABLES	3	Wood	2	Throughout park
	1	Plastic Coated	3	Playground
FENCE	1550 LF	3' ht.,Chain Link	2	Surrounding softball field
	1350 LF	10' Ht. Chain Line	2	Surrounding tennis & pool
SIGNS				
Rules	2	Aluminum	3	At All Activity Centers
Bike and Boat Program	0	Aluminum		
Adopt A Park / Funding	1	Aluminum	3	Mt. Airy Neighborhood Associates, Moyer & Sons, Inc.
Authorized Vehicles Only	3	Aluminum	2	At Paved Drive Entrances
WALL	1	Concrete wall/paint	1	Calypso Mural, 10+' Height
MEMORIALS				
	0		1	
TRASH				
Recepticles / Barrels	6	Plastic	1	Un-Attractive
Recycle Bins	4	Plastic	2	
DRINKING FOUNTAINS				
	0	Metal		
PARK LIGHTING				
	1	Wood Pole.Cobra	2	Center of park; near pool
REST ROOMS				
	1	Concrete Block	2	Pool area, See Bethlehem City Pools Page *

CITY OF BETHLEHEM



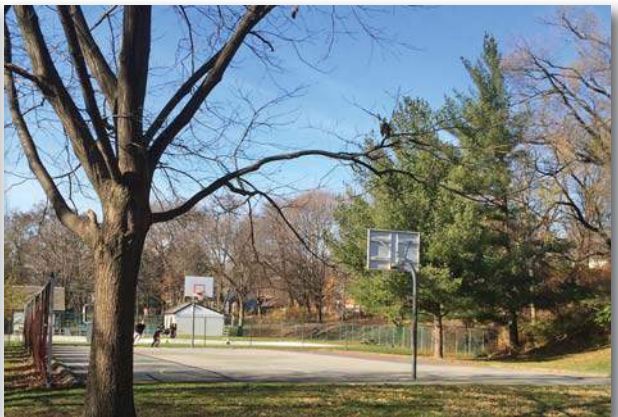
Dated play equipment in northwest corner still used, no mulch or fall zone safety provided.



New Component Play Area. Minimal Fall Zones, ADA access not provided, although transfer station is present



Unmarked area of pavement with mural wall surround. Pavement in poor condition, typical of paved surfaces throughout this park.



Basketball court not coated, pavement in fair condition.



Paved path to tennis court, not ADA compliant. Condition Typical.



Park entrance on 13th Avenue for Authorized Vehicles Only.



Community gardens not maintained City water tanks are provided

Comprehensive Parks & Pools Study

ACCESS & CIRCULATION			
WESTSIDE PARK		Y/N	Comments
PARKING			
Handicapped	No	On 11th Ave, street parking	
On-Street	Yes	No Parking on Collins St	
MAINTENANCE ACCESS	Yes	Drive Through from 11th Ave and 13th Ave, Access from Collins St	
PEDESTRIAN ACCESS			
ADA to Park	Yes	Slopes on 11th and 13th are Prohibitive, Do Not Meet ADA Criteria	
Crosswalks	Yes	On 13th Ave	
ADA To Facilities	No	Slopes are Prohibitive in Some Areas	
SAFETY			
Cameras	No		
Vandalism	No		
VEGETATION			
Invasives/Noxious	Yes	Lawn Weeds, Weeds under Fencing	
Existing Trees	Yes	Mature Trees Throughout	
RECREATION OPPORTUNITIES WITHIN 1 MILE			
Calypso Elementary School		0.2 Miles	Public-Beth.Area School District
Higbee Park		0.6 Miles	Public - City of Bethlehem
Rose Garden		0.6 Miles	Public - City of Bethlehem
Triangle Park		0.6 Miles	Public - City of Bethlehem
Fairview Park		0.7 Miles	Public - City of Bethlehem
Nitschmann Middle School		0.7 Miles	Public-Beth.Area School District
Enix Park		0.9 Miles	Public - City of Bethlehem
Historical Moravian District		0.9 Miles	Private - Historic Beth. Partnership
Johnston Park		1.0 Miles	Public - City of Bethlehem



Park entrance on 11th Avenue for Authorized Vehicles Only. Sidewalk too steep to meet ADA criteria.



Handicapped Parking off of Dead End Street linked to park with bituminous path. Hard to Find.

CITY OF BETHLEHEM



WEST SIDE PARK: POOL BUILDING

FAÇADE

Materials	CMU/Wood Siding
Condition	Select areas require attention - See Photos

ROOF

Type	Asphalt Shingles
Condition	Poor, Missing Shingles, Rotting Decking
Age of Installation	Unknown

FOUNDATION WALLS

Materials	Concrete
Condition	Unknown

STRUCTURE

Materials	CMU
Condition	Select areas require attention - See Photos

WINDOWS

Type	N/A
Materials	N/A
Condition	N/A

DOORS

Type	Man Door
Materials	H.M./H.M. Frame
Accessible	No
Condition	Poor

ACCESSIBILITY

RESTROOMS

Sinks	Non-ADA Compliant/See Photos
Water Closet	Non-ADA Compliant/See Photos
Urinals	Non-ADA Compliant/See Photos
Partitions	Non-ADA Compliant/See Photos

Comprehensive Parks & Pools Study



Rotted wood columns, typical throughout.



Worn roofing, rotten decking, patched roofing, loose fascia, and loose drip edge.



Rotted and damaged structure.



Rotting in-filled transaction window.



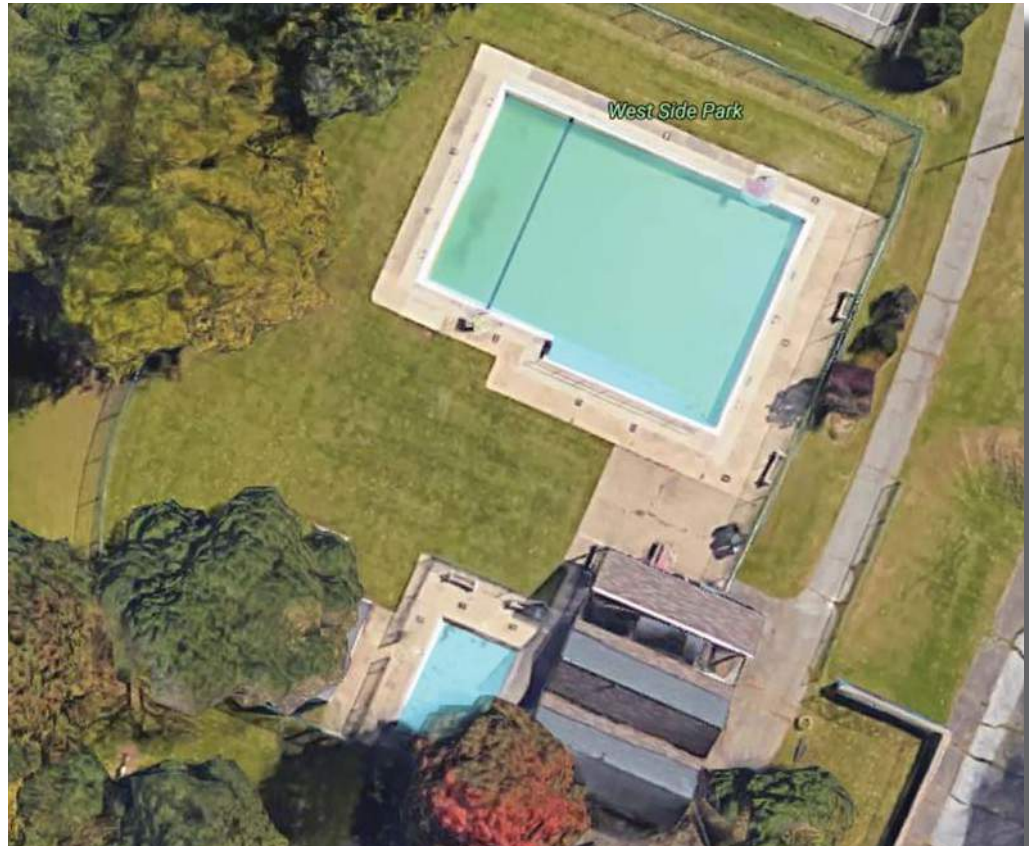
Non-ADA compliant toilet rooms.



Electrical panel shows signs of corrosion.



Holes and damage to exterior CMU.



POOL SIZE	
Main Pool	119,672 Gallons
Wading Pool	3,079 Gallons
SQUARE FOOTAGE	
Main Pool	3,802 ft ²
Wading Pool	456 ft ²
FILTER	
Main Pool	Sand - Pump 5HP @ 9.09 GPM/SF
Wading Pool	Sand - Pump 1HP @ 1.50 GPM/SF
MOST RECENT RENOVATIONS	
1992/1993	
DEFICIENCIES	
MAIN POOL TANK	EXISTING ADA RAMP DOES NOT APPEAR TO MEET TODAYS STANDARDS
	EXISTING EXPANSION JOINTS SHOULD BE REPLACED
	Mild cracks are visible and should be fixed.
	Main Pool drains appear to be VGB compliant.
	Existing Gutter Inlets should be replaced.
	Painted surface appears to be in good condition.
	Ladders should be installed per standards.

Comprehensive Parks & Pools Study

DEFICIENCIES CONTINUED...	
WADING TANK	ADA Compliance does not exist.
	Existing Coping is in poor condition.
MAIN POOL FILTER	Rapid Sand Filter
	Pool is operating at an 8 hr turnover rate
	Existing Tanks are relatively new. Media should be replaced.
	Gutter lines do not meet todays quantity requirement.
	Main Drains were not viewable during inspection.
	Filters do not appear to be vented.
WADING FILTER	Filter appears to be on a 4 hr turnover
	Skimmers do not exist.
	Main Drains do not meet VGB requirments.
	Existing Coping is in Fair Conditions.
CONCRETE DECK	Concrete decking is in fair condition
FEATURES	No features existing at West Side Pool
FILTER ROOM	Chlorine Tank is not vented to the exterior.



Backwash Line with Air Gap & Chemical Control - Main Pool



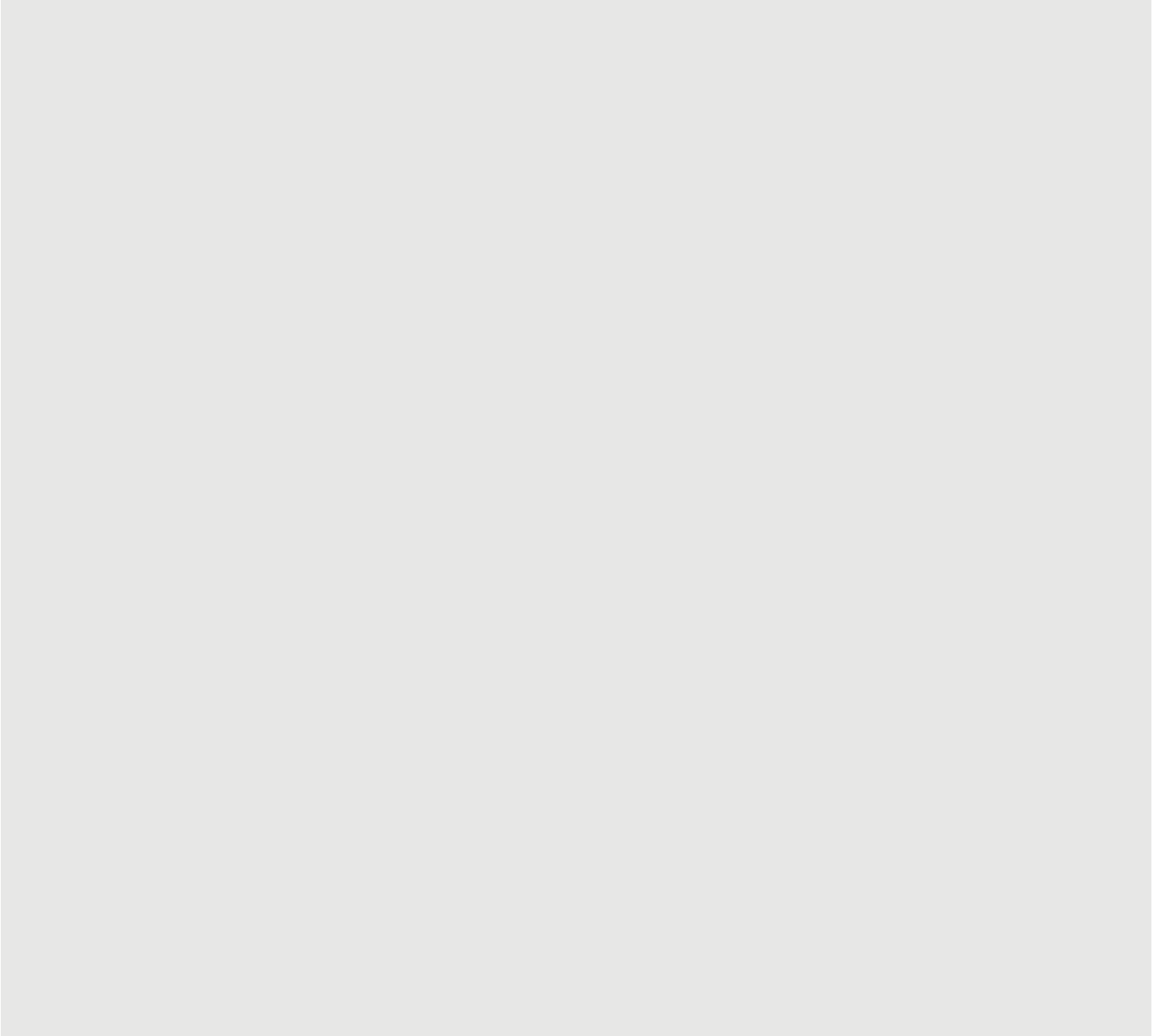
Wading Pool Filter



ADA Ramp does not meet current criteria



Corroded Flow Control Valve & Filter Tanks - Main Pool





Demographics, Recreation Trends & Analysis
Bethlehem Parks & Pools

CITY OF BETHLEHEM

I. DEMOGRAPHICS AND TRENDS

This section of the report will look at City wide demographics, recreation and aquatic trends, and recreation agency trends. Then the City's recreation management will be compared to typical recreation agencies across the United States, in four categories: Available Recreation Land, Recreation Facilities, Buildings & Pools, Programming, and lastly, Maintenance & Operations.

A. DEMOGRAPHICS

Data from the United States Census show the ways neighborhoods in the City of Bethlehem have changed over time. The City of Bethlehem has is made up of four primary neighborhoods – Northeast, Central, West and South - each bounded by major roadways or waterways. The map below shows the four neighborhoods and their geographic areas.

2010-2014 five-year estimates from the *American Communities Survey* reveal the following about the City of Bethlehem's neighborhoods:

- Population has been relatively stable between 2010 and 2014. Population is most concentrated on the City's south side (20,175) while the City's Northeast neighborhoods (15,427) are the least dense.
- The number of children under the age of 18 has remained relatively stable except in the south neighborhood. Five-year estimates show that the south side has 90% as many individuals under 18 as it did in 2010, a loss of roughly 400 individuals.
- Approximately 15% of Bethlehem's population is 65 years of age or older.
- Median incomes have remained relatively stable since 2010. The lowest median income is found in the City's south side (\$35,660) while the highest median income is found in the Northeast neighborhoods (\$69,585).
- The number of individuals below the poverty line vary between neighborhoods. While only 5.5% of the population of northeast Bethlehem is comprised of individuals living below the poverty line, 36% live below the poverty line in the south side neighborhoods. Central and west Bethlehem neighborhood poverty rates lie in between, with 24% and 12% of their population living below the poverty line, respectively.
- Homeownership rates continue to trend down across all neighborhoods in Bethlehem. The greatest movement has been in central and south sections of the City where homeownership rates have fallen 14% and 15%, respectively. Concurrently, the number of people renting has increased, with higher increases in the neighborhoods that have experienced the greatest loss of owner-occupied homes (the south and central neighborhoods).
- The City of Bethlehem is becoming a more racially diverse place, a trend that has continued throughout the past 20 years. In particular, the central, west and northeast neighborhoods gained African Americans, Latinos and Asians while the south neighborhood experienced a 24% increase in the number of individuals identifying as Asian. In the central and south neighborhoods, Latinos now make up roughly one-third of the population (29% and 36% respectively).
- 12.7% of individuals exhibit some sort of mental or physical disability. 2% of individuals have impaired hearing or vision, 5.5% exhibit a cognitive disability and 5.8% have an ambulatory impairment.



B. U.S. RECREATION AGENCY TRENDS

Trends relating to parks, pools and other recreational facilities should be identified to guide policy decisions related to parks and recreation within a community. Trends help municipalities understand the ways that certain demographic groups use parks and can be used to assist in the creation of a park system that is appropriate for a given population. The *National Recreation and Park Association (NRPA) 2016 Field Report* identifies five Key Recreation Agency Trends.

Trend 1: Programs are the Key to Great Park Attendance.

- Programs in parks lead to stronger attendance.
- Programs lead to increased use of a park, more public support, and higher revenue potentials.
- Not all programs should be focused on cost recovery. Have methods in place to keep social inequality in check.

Trend 2: The perceived value of recreation services results in a shifting of resources to other non-recreation departments.

- The Great Recession resulted restructuring of departments and shifting roles.
- New studies show that a strong program of recreational offerings attracts young professionals to a community.

Trend 3: Agencies are pioneering new funding methods.

- The “new normal” of shrinking municipal budgets doesn’t mean there is less public support or demand for parks and recreation programs and services.
- Find ways to maximize this demand and bolster your revenue stream.
- During the recession the agencies that invested in revenue-producing facilities fared better than those that cut programs and services to the bare bones. Revenues are essential for agency operations to succeed.

Trend 4: Infrastructure deficit means you’ll have to fight harder for public dollars.

- The nation’s infrastructure of roads, highways, bridges, dams, sewers etc. are over-due for replacement, renovation or renewal. Funding for these projects competes with recreation funding.
- Parks have infrastructure too - Be at the infrastructure table to discuss needs, how you can provide innovative solutions and how this benefits both the public and the municipality.

Trend 5: Walkable cities draw Millennials, fueling a suburban exodus.

- Millennials have moved to the center of influence with their distinct views and behaviors. Research shows they are drawn to walkable cities with cultural amenities, and family centered activities.
- Millennial behavior is creating a new economy of experience replacing the long standing economy of goods and services.
- Creative programming will provide experiences to serve this generations interests and harness their spending power.
- This shift in the urban cores must still address the needs of disadvantaged populations. Agencies need to provide for all ages, races, genders, abilities and income levels.

CITY OF BETHLEHEM

C. U.S. RECREATION PARTICIPATION TRENDS

The *Outdoor Foundation's Outdoor Participation Report 2016* provides data on the ways that various demographic groups utilize parks and participate in recreational activities. These insights can be used to inform policy decisions regarding the sorts of programming and facilities to offer.

Of all persons taking part in outdoor recreation:

- Two-thirds are 25 years of age or older.
- 75% are Caucasian, 8% are Hispanic, 9% are African American and 7% are Asian.
- 65% of outdoor participants live in a household with an annual income greater than \$50,000; 14% of participants live in a household with an income of less than \$25,000.
- 62% of participants have at least 1 year of college education; 40% are college graduates.
- Among participants over the age of 6, 54% are male and 46% are female. A higher proportion of males participate in outdoor recreation at every age group except among 18 to 24 year olds, where females represent 58% of outdoor participants.
- Among youth ages 6-12, the most popular outdoor activities (based on participation) were Biking, Camping, Fishing, Running and Hiking. When ranked by the frequency of participation per individual, running, biking and fishing were highest.
- Among young adults ages 18-24, the most popular activities were running, hiking, camping, fishing and biking. When ranked by frequency of participation per individual, running, biking, fishing, hiking and camping were highest.
- Across all racial and ethnic groups, running was the most popular outdoor activity (and is the most popular activity for nearly all Americans).
- Biking was listed as the 2nd or 3rd favorite activity across all racial groups while bird watching and/or wildlife viewing was listed as the 2nd or 3rd favorite activity amongst all groups except African Americans, who preferred fishing.
- Participation rates for racial minorities are lower than participation for Caucasians at every age group.
- Hispanics who did participate in outdoor activities participated more often than every other group, averaging 49 outings per year while Caucasians averaged 37 per year and African Americans and Asians averaged 33 per year.



Elmwood Park - Central Bethlehem



Bernie Fritz Park - Northeast Bethlehem

D. U.S. AQUATIC FACILITY DEMAND

It is difficult to define the typical community aquatic facility. Aquatic facilities can be indoor or outdoor, they can provide competitive swimming lanes or they can be leisure pools. In areas of the country where outdoor pools remain open for longer than a 3-4 month season, it makes more sense to provide more pools per resident, as fees and programs can offset the costs of maintenance.

A decades old NRPA standard still often referenced is 1-50 yrd. pool per 20,000 residents and 1-25 yrd. pool per 15,000 residents. Using the old standard, the city should retain one large pool and 3.6 smaller pools. However, these numbers do not take into account sustainability and length of season, and there are now newer measures to identify need. Each community needs to assess these metrics to determine the suitability of an aquatic facility for their community.

The key drivers of demand that should be reviewed are:

- Population Growth - trending up, down, or stable
- Demographic Profiles
 - younger age groups have a higher rate of participation in swimming and active recreation than older age groups.
 - 70% of African Americans and 60% of Hispanic/Latino children can not swim.*
 - If parents do not swim, there is only a 13% chance they will have their children learn to swim.*
 - Fear of Drowning was one of the most significant variables among groups who do have a history of teaching their children to swim. Other variables with significant impact were family involvement and cost.
- National Participation Trends *Physical Activity Council, 2016 Participation Report*
 - only 15% of the US population participates in water sports, but this rate has increased slightly over the past 5 years.
 - Millennials have the highest participation rates in water sports, at about 20%. Gen Z and Gen X have participation rates between 10 and 20%, while only 8% of Boomers participate.
 - When questioning non-participants across all age groups there is a high interest in swimming.
 - Swimming for fitness is the second highest area of interest across six age groups, first with 25-34 year olds, and third highest with 18-24 yr olds.
 - Across all age groups and activities, having a friend to go with was the most likely way to encourage participation.

* US Swimming Association

Physical Activity Council, 2016 Participation Report

Population in the city is relatively stable. The school age youth population is stable or decreasing slightly. Diversity in south and central Bethlehem neighborhoods is increasing more rapidly than it is in Northeast and West Bethlehem neighborhoods.

These factors would indicate the demand for aquatics facilities in Bethlehem is trending down.

The City will need to provide creative and affordable programs to encourage minority populations to engage in swimming.

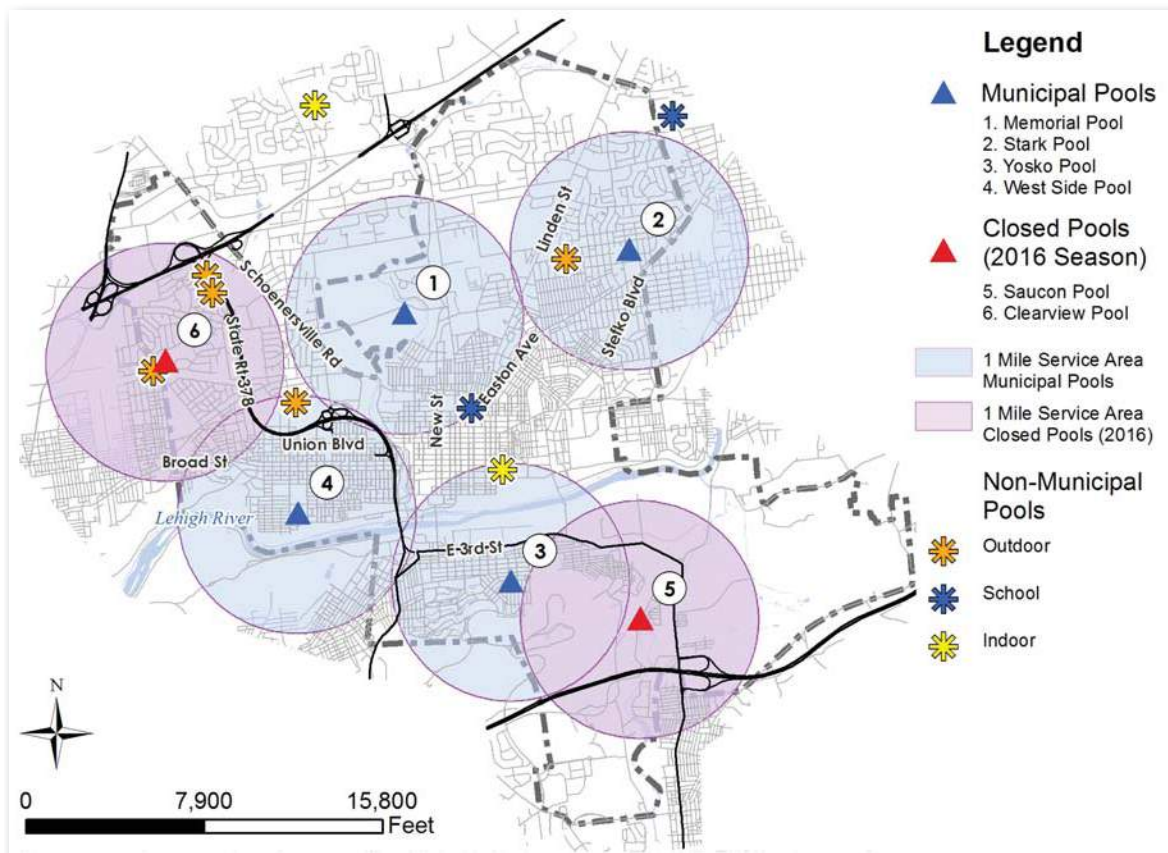
Studies show there is interest in swimming among all age groups.

CITY OF BETHLEHEM

E. DEMAND FOR POOLS IN BETHLEHEM

Pools in Bethlehem generally serve residents within a 2 mile radius. Northeast Bethlehem supports two pools, Memorial Pool at Monocacy Park and Stark Pool at Sell Field. Memorial Pool at the western edge of Northeast Bethlehem, is positioned to serve residents in nearly all neighborhoods in the city. Memorial and Stark Pools are 2.5 miles apart. Stark Pool serves the northeastern most neighborhood residents and the economically disadvantaged population living east of Stefko Boulevard. The West Bethlehem neighborhood is home to West Side and Clearview pools, located in parks of the same name. West Side pool is 2.3 miles from Memorial Pool and serves the most densely populated section of West Bethlehem. Clearview, in need of significant renovations, overlaps Memorial and West Side service areas. Clearview Pool was closed for 2016 with only one resident complaint. South Bethlehem has two pools, Yosko Pool and Saucon Pool, located in parks of the same name. Yosko Pool is the only pool currently serving South Bethlehem. Yosko is separated from Memorial Pool by the Lehigh River. Participation rates for Yosko Pool have fallen in recent years, reflecting the demographic trends of the neighborhood and related aquatics trends. Saucon Pool has been closed for years, is located in a flood plain, and is not within walking distance for residents.

Declining demand at some City pools has resulted in financial losses at multiple pool facilities. The City is assessing the closure of some pools in favor of creating a destination pool at Memorial Pool, which could serve residents in a 4-6 mile radius. It would be advisable for the City to keep Saucon and Clearview Pools closed. After renovations to Memorial Pool are complete, the City will need to review the attendance and participation at the remaining pools to determine if they should remain open, be closed or be converted to splash pads. The map shows existing pools and a one mile service area.



II. BETHLEHEM PARKS & RECREATION ANALYSIS

A. AVAILABLE RECREATION LAND

The *NRPA 2016 Field Report* provides a snapshot of what the average parks and recreation agency provides in four areas: Recreation Land, Facilities, Programming, Maintenance and Operations. The following pages will compare how Bethlehem’s park management compares to the “typical agency”. The NRPA has compiled data revealing how much recreation land a typical recreation agency offers for every 1000 residents. The chart below shows how many acres of recreation land Bethlehem offers per 1000 residents. 75,000 residents was used as the population total for Bethlehem.

City Neighborhood	Population	All Park Land	Park Land per 1000 Persons
Central	19,924	60.16 Acres	3.02 Acres
Northeast	15,427	327.36 Acres	21.3 Acres
South	20,175	162.40 Acres	8.10 Acres
West	19,524	60.94 Acres	3.13 Acres
TOTALS	75,050	610.86 Acres	8.15 Acres

Recreation land can be categorized as Neighborhood, Community and Regional Park Land. Neighborhood Parks are typically under 20 acres in size and serve residents within a quarter to a half mile radius; a comfortable walking distance. Neighborhood parks provide a close to home outdoor experience, and can provide an outdoor place to socialize. Community Parks, are 20 acres in size or more and serve residents within a one to two mile radius. Community Parks are used to host community events and offer a greater variety of outdoor recreation choices. Regional Parks are larger than community parks and boast attractions that draw people from a wide regional area. The table below shows the acres of Neighborhood and Community Park land in each neighborhood of the City.

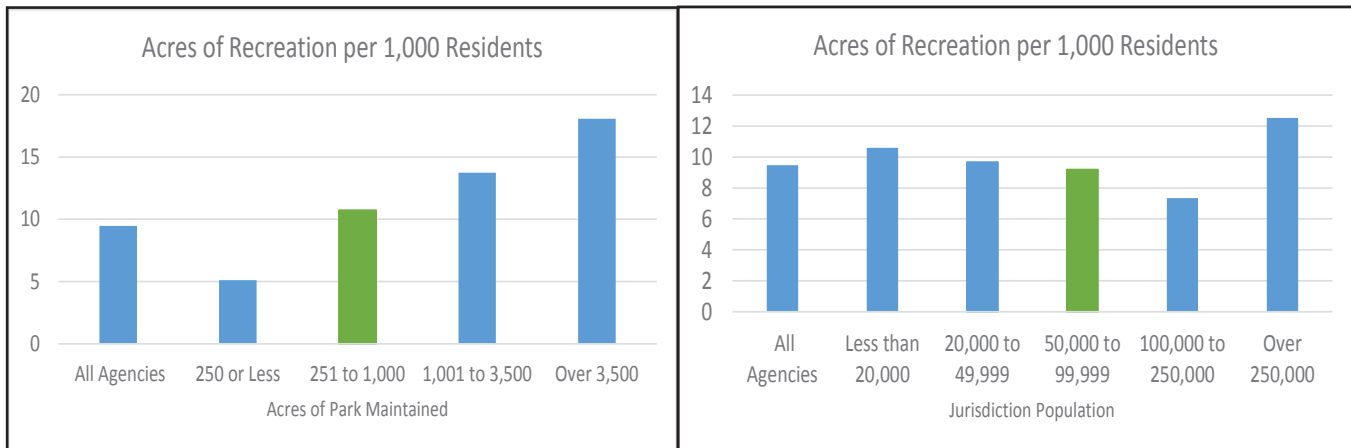
- Neighborhood Park Land in the table below does not include athletic fields, land serving historic uses, golf courses, or open space not suitable for public recreational use.
- The South Bethlehem Greenway serves the city as a linear park, providing neighborhood connections, pedestrian plazas, playgrounds, unique gardens, and the Bethlehem Skate Plaza.
- West Bethlehem has no community park using the NRPA guideline of 20 acres of land, but the Rose Garden was among the most popular parks in the resident survey and the Band Shell at the park serves a regional audience during the summer concert season.

Geographic Area	Population	Neighborhood Park Land	Neighborhood Park Land per 1000 Persons	Community Park Land	Community Park Land per 1000 Persons
Central	19,924	27.04 Acres	1.4 Acres	20.0 Acres	1.0 Acres
Northeast	15,427	27.51 Acres	1.8 Acres	116.10 Acres	7.5 Acres
South	20,175	21.20 Acres	1.0 Acres	140.90 Acres	7.0 Acres
West	19,524	31.34 Acres	1.6 Acres	0.0 Acres	0 Acres
TOTALS	75,050	107.09 Acres	1.4 Acres	277.0 Acres	3.7 Acres

CITY OF BETHLEHEM

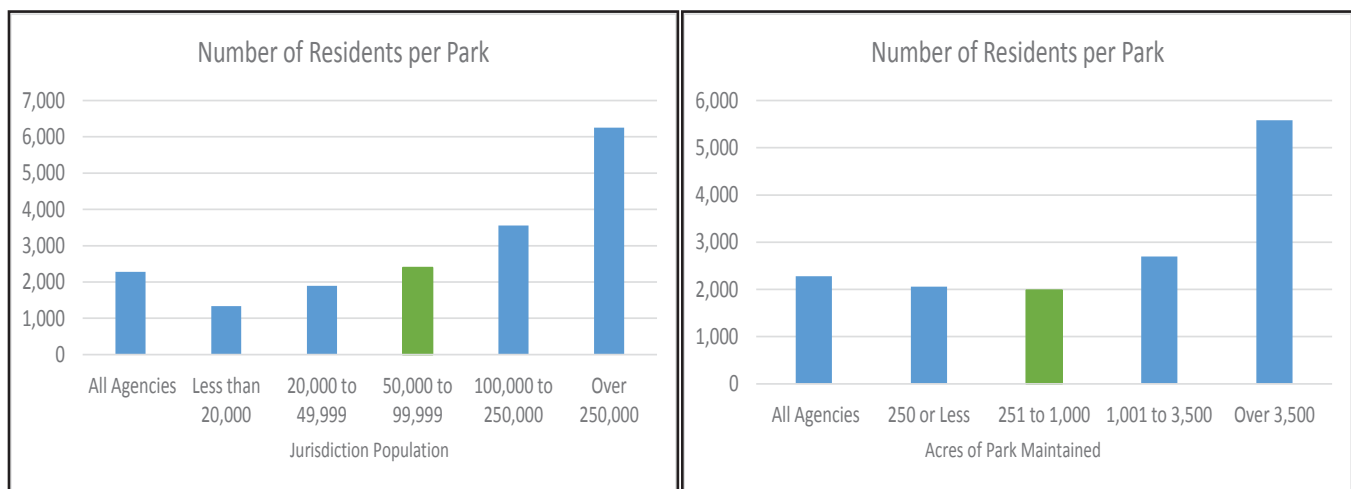
The typical park and recreation agency manages 9.5 acres of recreation land for every 1000 residents. Bethlehem provides 8.2 acres of recreation land per 1000 residents, including athletic fields, trails, and special purpose land within the City's parks.

The following charts illustrate typical Acres of Recreation Land per 1000 residents, measured against Acres of Park Maintained and Jurisdiction Population. The City of Bethlehem data would fall into the green columns, with 611 acres of recreation land maintained and a population of 75,000.



Another way to compare available recreation land provided is to look at the Number of Parks within a jurisdiction. The following charts illustrate the typical Number of Residents per Park, measured against Jurisdiction Population and Acres of Park Maintained. Bethlehem data would fall into the green columns.

The typical agency supports one park for every 2,277 residents. The City of Bethlehem supports 35 parks including the South Bethlehem Greenway, which calculates to one park for every 2,144 residents, slightly above the average.



B. RECREATION FACILITIES & POOLS IN BETHLEHEM

This section catalogs recreation facilities available at Bethlehem’s Parks using land use. Park Lands is land used for passive and/or active recreation that is not organized. Special Use refers to larger areas of land and/or buildings that are unique to Bethlehem’s park system, and which also require additional and specialized maintenance. The Band Shell, DAR House, the Rose Garden, the Ice House, Bethlehem Municipal Golf Course, Historic Moravian Bethlehem, the D&L Trail and the Earl E. Schaffer Municipal outdoor Ice Rink are just a few of these special venues. The chart below does not include land outside of the parks that is used for trails.

The chart reveals that each neighborhood is home to a unique recreation facility or Special Use, three out of four have Athletic Fields and Pools, and all neighborhoods have parks offering both active and passive recreation.

City Neighborhood	Park Lands	Athletic Fields	Pool	Special Use	Total (acres)	
CENTRAL BETHLEHEM						
Bayard	3.20	-	-	-	3.20	
Elmwood	1.00	-	-	-	1.00	
Friendship	1.10	-	-	0.60	COB Electrical Dept.	1.70
Johnston	10.20	-	-	12.52	Historic Moravain Beth.	22.72
Rockland	11.34	-	-	-		11.34
City Hall Gardens	0.20	-	-	0.20	Sculpture & Japanese Gardens	0.20
Sand Island	16.50	-	-	0.50	Charles Brown Ice House	
				2.50	D&L Trail	20.0
NORTHEAST BETHLEHEM						
Bernie Fritz	1.50	3.50	-	-		5.00
Jenkins	0.30	-	-	-		0.30
L.G. Stewart	3.00	-	-	-		3.00
Northdale	0.46	4.00	-	-		4.46
Sell Field	4.35	5.45	Yes	-		9.80
Illick's Mill	17.90	-	-	-		17.90
Monocacy Park Complex	116.10	17.80	Yes	132.00	Municipal Golf Course	277.90
				12.00	Bethlehem Recycling	
Holton				0.30	Dedicated Open Space	0.3
Yellis Tract				8.7	Stormwater Management	8.7

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City Neighborhood	Park Lands	Athletic Fields	Pool	Special Use	Total (acres)
SOUTH BETHLEHEM					
Enix	0.10	-	-	-	0.10
MacNamara	0.50	-	-	-	0.50
Madison	0.50	-	-	-	0.50
Martin Luther King	0.50	-	-	-	0.50
Parham	0.20	-	-	-	0.20
Steelworks Memorial	0.70	-	-	-	0.70
Ullman	2.20	-	-	-	2.20
Yosko	1.40	-	Yes	0.10	Splash Pad 1.50
South Bethlehem Greenway	15.00	-	No	-	15.00
South Mountain	20.00	-	-	-	20.00
Saucon	106.84	14.06	Yes	-	120.90
Pulaski				Memorialized Open Space	0.10
Third & Wyandotte				Interchange Land	0.20
WEST BETHLEHEM					
Buchanan	-	20.60	-	-	20.60
Clearview	9.30	-	Yes	-	9.30
Fairview	1.00	-	-	-	1.00
Higbee	0.90	-	-	-	0.90
Kings Mansion	6.10	3.00	-	-	9.10
Rose Garden	9.00	-	-	2.00	Band Shell & Seating 11.00
Triangle	0.20	-	-	-	0.20
West Side	4.84	2.00	Yes	-	6.84
Stratford				Wooded Open Space	2.00



McNamara Park - South Bethlehem



Rose Garden Park - West Bethlehem

C. RECREATION PROGRAMMING

This section will examine how program offerings in Bethlehem’s Recreation Department compares to typical recreation departments programs. Programming is an important component of any successful recreation agency, and recreation departments should aim to provide programming for residents of all ages, ethnicities, income levels and physical abilities. A second goal of programming is to provide revenue to offset operational costs. Finding a mix of activities that works, is for most agencies, a trail and error process. Program offerings are found on the following page.

Programming is a key method that drives park use and is the largest non-tax revenue source for most agencies. The average agency recovers 30% of its operational costs from programming fees.

Key programming offered by at least 60% of all agencies includes:

- | | |
|--|--|
| <i>Team Sports (84%)</i> | <i>Fitness Enhancement Classes (83%)</i> |
| <i>Health and Wellness Education (81%)</i> | <i>Safety Training (69%)</i> |
| <i>Visual Arts (67%)</i> | <i>Trips and Tours (66%)</i> |
| <i>Martial Arts (60%)</i> | <i>Performing Arts (60%)</i> |
| <i>Aquatics (60%)</i> | |

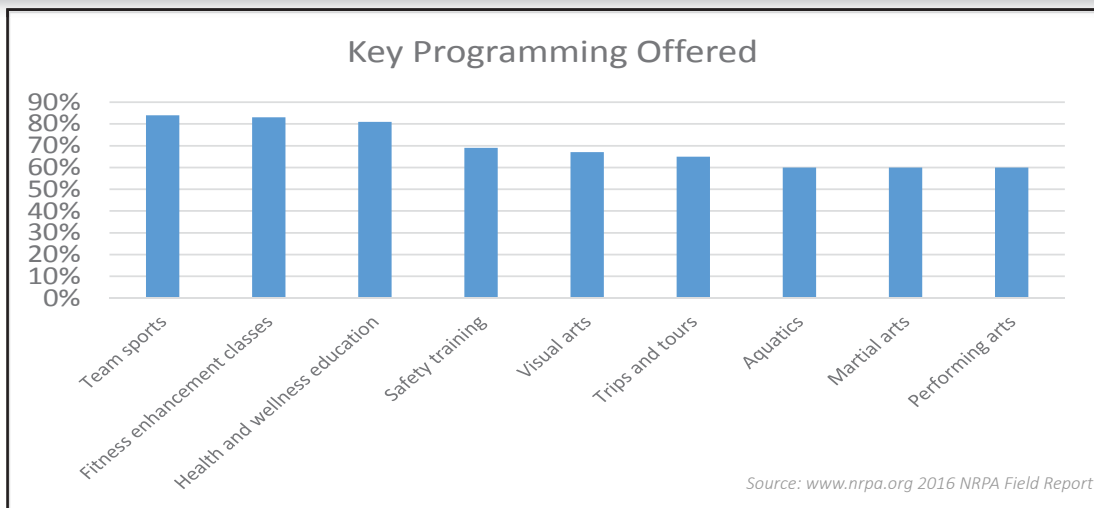
The Bethlehem Recreation Department offers :

- | | |
|--|---|
| <i>Team Sports - basketball, softball and tennis</i> | <i>Safety Training for Employees</i> |
| <i>Performing Arts Venues</i> | <i>Free Movie Nights</i> |
| <i>Outdoor Aquatics - Programs and Lessons</i> | <i>Ice Skating - Clinics, Lessons and Parties</i> |
| <i>Free Drop In Summer Day Camp</i> | <i>Paid Summer Camp</i> |

The Recreation Department in Bethlehem works with multiple City and area agencies to provide programs that serve the needs of residents. This avoids duplication of services and keeps costs down. A few examples are:

- | | |
|---|---------------------------|
| <i>Arts Quest Performance Venues</i> | <i>Music in the Parks</i> |
| <i>Park Festivals</i> | <i>Family Fun Runs</i> |
| <i>Community Youth Theatre and Youth Ballet</i> | |

Cost recovery is analyzed in the Maintenance and Operations section of the report.



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BETHLEHEM CITY PARKS PROGRAM OFFERINGS										
	Drop-In Camp	Day Camp	Movie Night	Music in the Park	Tennis	Pool	Ice Skating	Organized Athletics	Notes	Golf
NORTHEAST										
Bernie Fritz	✓		✓					N-Central LL	BernieFritz Night	
Northdale								CityLine LL		
L. G. Stewart	✓		✓							
Sell Fields						Stark		N-East LL Beth.Raiders		
Monocacy (Community)		✓			✓	Memorial	✓	Lehigh LL Beth. Steelers	Swim Lessons	✓
SOUTH										
Yosko	✓					Yosko				
McNamara	✓								Yosko PM	
SteelWorkers				✓						
Saucon (Community)						Closed		S.Side LL Beth. Saints	Adult Softball	
CENTRAL										
Elmwood	✓		✓							
Sculpture				✓						
Sand Island (Community)					✓			Tennis Leagues	Tennis Lessons	
WEST										
Clearview	✓		✓		✓	Closed				
Fairview			✓							
West Side	✓				✓	West Side		Beth. Stars		
Rose Garden			✓	✓						

Program Participation Rates - 2015/16	
Drop-In Camp	1,624
Day Camp	100
Tennis Lessons	140
Tennis League	111
Music in the Park	3,500
Ice Skating Rink	20,131

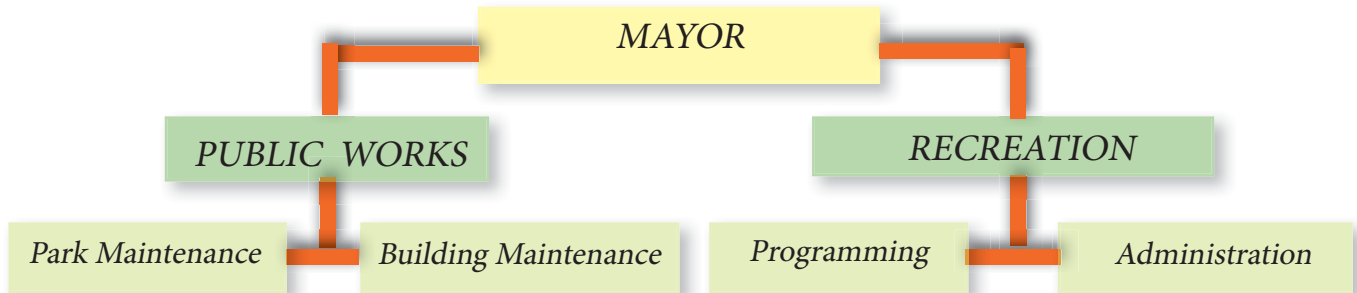
POOL ATTENDANCE RATES - 2015		DAILY
Memorial	21,489	179/day
Stark	5,194	58/day
Yosko	2,862	32/day
West Side	3,195	36/day
Clearview	4,202	46/day
Saucon	0	0



*L.G. Stewart Park
Drop In Camp Program*

D. MAINTENANCE & OPERATIONS

1. Department Structure. As this report was being written, the City has restructured the way it will manage parks and recreation. In the proposed structure, Park Maintenance and Buildings will be divisions under the jurisdiction of the Public Works Department. The Recreation Department will be responsible for Programming and Administration as well as for the Municipal Golf Course. The Public Works Department and the Recreation Department will both report directly to the mayor.



The typical parks and recreation agency is responsible for Programming, Maintenance, Operations and Administration/Staffing. The largest percentage of employees within the typical agency is engaged in maintenance activities. It is not possible for this report to compare the percentage of employees dedicated to park maintenance in Bethlehem because park maintenance is combined with public property and building maintenance work. Buildings is responsible for all City buildings many of which are not located in the parks.

2. Maintenance. Parks maintenance will be responsible for park land and facilities. Bethlehem maintains about 611 acres of active and passive recreation land. Recent additions to the park system, like the South Bethlehem Greenway added between 15 to 20 acres of lawn grass to mow. Public property in the City totals about 1200 acres.

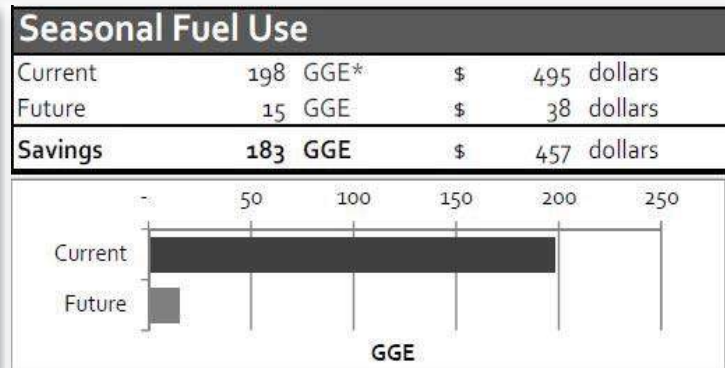
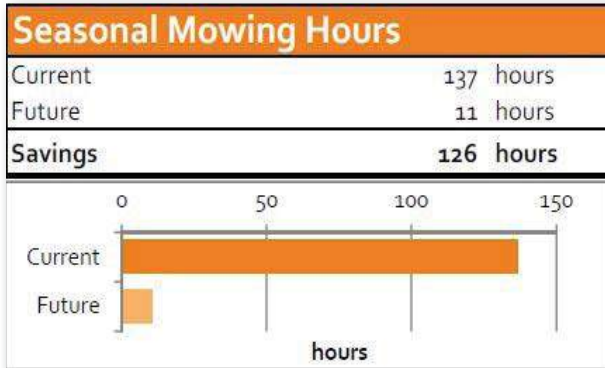
The City’s community parks require daily seasonal maintenance to cut grass, care for trees, pick up trash and provide general repairs and maintenance services. Pools and buildings require specialized maintenance. The Rose Garden requires a rose specialist to label, mulch, prune and spray the bushes so they resemble the showcase garden this was meant to be. Parks maintenance has 250 stops per week to cut grass. The lawn area at Monocacy Park takes one full week to cut. There is a crew dedicated to trash pick up from all City receptacles. One stone mason and an assistant work non-stop on WPA and other structures throughout the city. Parks maintenance personnel may also assist other City departments in the following ways:

- Public Works: Streets: Leaf Pickup, Snow Removal, including 21 miles of sidewalk
- Health Department: Clean out homes
- City Forester: Assist volunteers with tree planting, provide water for trees
- Police Department: Remove Graffiti, Rebuild Targets
- Residents: Provide graffiti removal and Tree Work
- Athletic and Historic Associations: Grounds maintenance assistance

One way to reduce maintenance costs is to reduce the amount of lawn being mowed by changing lawn grass to a native or low maintenance grass variety. Several acres within the parks and in other City properties have been planted in meadow. This change requires public education to change perceptions. The City did this by installing signs.

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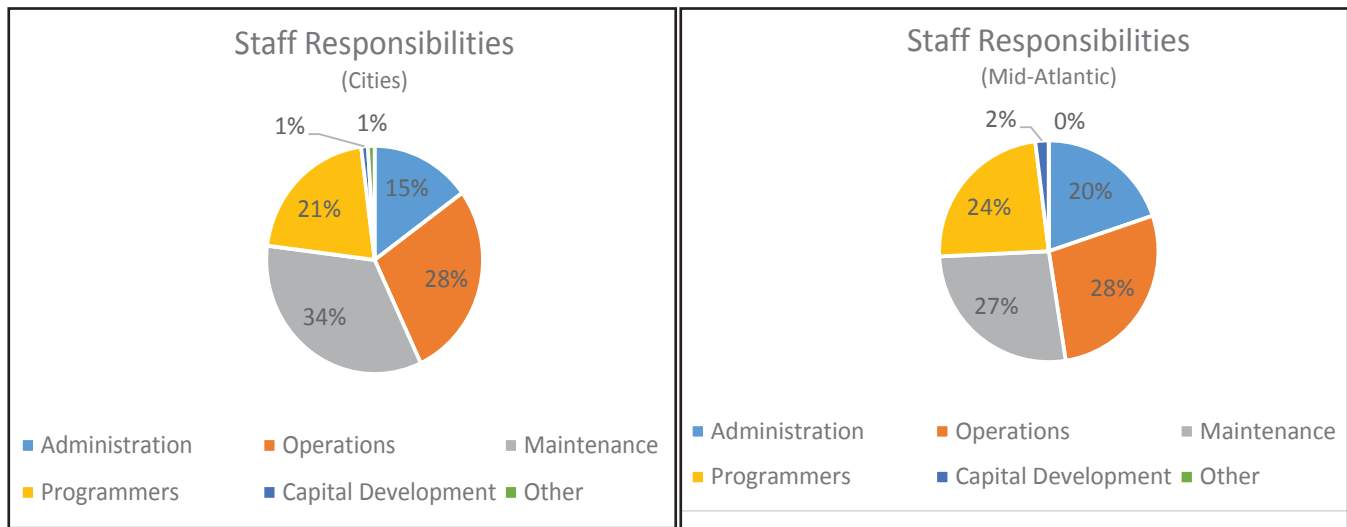
Converting 10 acres of mowed lawn to native grass can save a minimum of 457 dollars in fuel costs, 126 hours of mowing time, and reduce Greenhouse Gas Emissions (GGE) by 3,594 lbsco2e.



Parks maintenance is responsible for a variety of unique facilities that the typical agency is not. These facilities require specialized trained staff.

- Only 37% of typical park and recreation agencies operate or maintain non-park sites
- Only 35% include funding for planning and development in the operating budget
- Only 29% operate, maintain or contract golf courses (Bethlehem Municipal)
- Only 24% operate, maintain or manage outdoor performance venues (Band Shell)
- Only 24% operate, maintain or contract tennis center facilities (Sand Island)
- Only 18% maintain, manage or lease an indoor performing arts center (Ice House)
- Only 14% operate, maintain or contract tourism attractions (Historic Moravian Bethlehem)

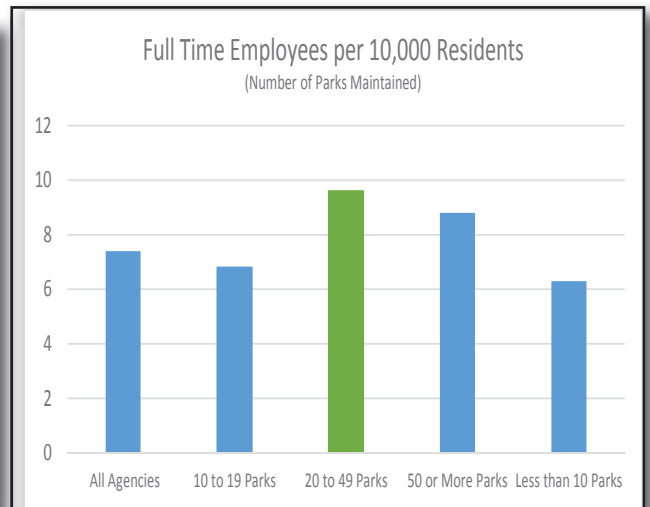
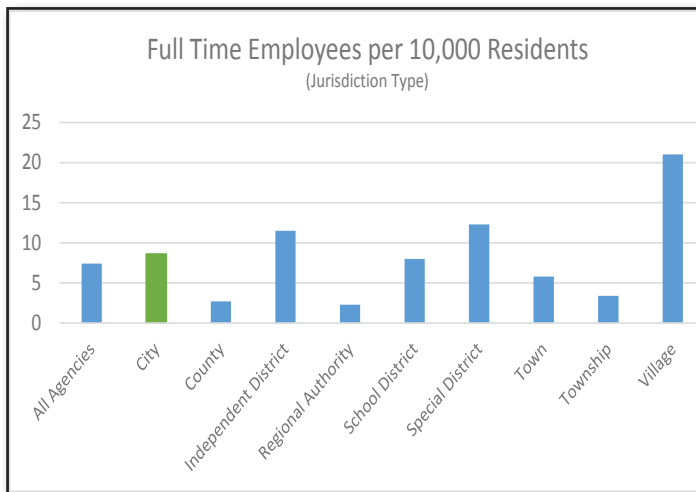
3. Staffing. The pie chart below is sourced from the NRPA 2016 NRPA Field Report. They show typical recreation agency department responsibility breakdown and the percentage of work required by each, measured against jurisdiction type (Cities) and Region of the United States. (Mid Atlantic)



Another way to analyze the size and effectiveness of agency staffing is to measure it relative to the population that the agency serves.

In this City of 75,000 residents, the recreation and parks permanent staff includes 3 administration and programming employees. The department hires a total of 80-90 seasonal employees for the following roles: 14 park and playground leaders, 5 Day-camp counselors, 37 pool staff, 7 tennis club staff, plus alternate supervisors and substitutes. 24 staff are hired each winter for the ice rink. Maintenance hires 2 seasonal employees for mowing, and building hires temporary help, but the work is not dedicated exclusively to parks. Based on 2015 budget numbers and hourly wages, the city hires about 25 FTE's per year, and supports a full time staff of 40 employees.

The following tables from the 2016 NRPA Field Report show typical agency full time employees per 10,000 residents measured against Jurisdiction Type and Number of Parks Maintained. Bethlehem falls into the green columns.

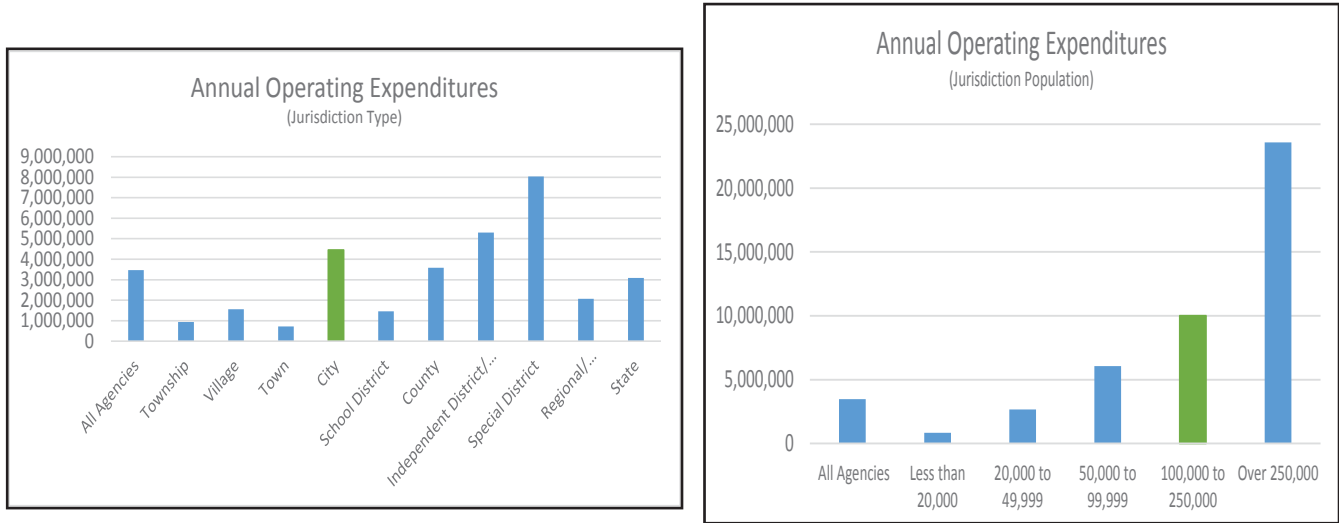


The typical recreation and parks agency has 7.4 full time equivalent employees on staff for each 10,000 residents living in the jurisdiction it serves. For Bethlehem this would equal 55.5 full time equivalent employees. It is difficult to discern the true number of FTE's in Bethlehem that serve recreation since the parks department includes public property and buildings, but it is estimated that the City hires about 65 FTE's per year, or 8.7 per 10,000 residents, which exceeds the median average for a city.

To ensure the City's parks are well maintained and meet residents needs, the City should consider a staff of between 60 and 70 persons, including both full time, part time and seasonal employees dedicated to Operate, Administrate, Program and Maintain it's current park and trail system. This does not include staffing for public property and non-park building maintenance.

CITY OF BETHLEHEM

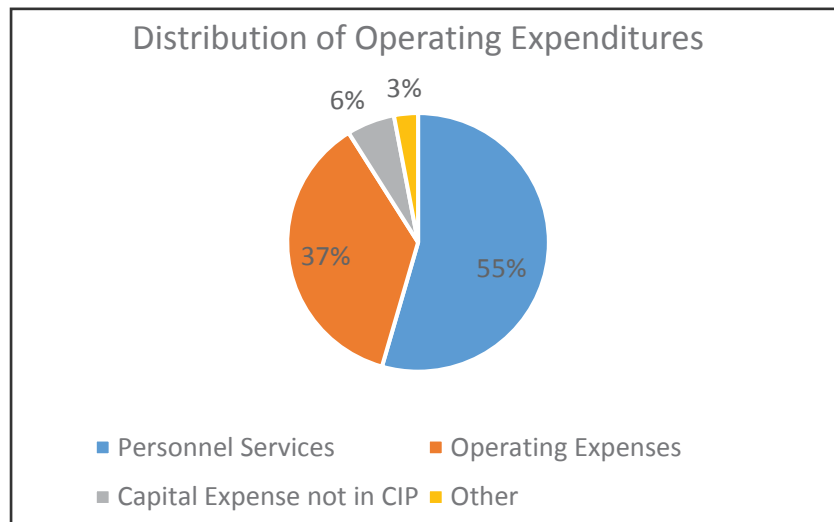
4. Operating Expenses and Budget. Typical recreation agency operating budgets can be compared against multiple variables. The following tables look at typical annual operating budgets for agencies based on Jurisdiction Type and Jurisdiction Population. The City of Bethlehem approved a budget of 4.16 million dollars in 2016 for Parks and Public Property. This included the maintenance of public property and all City buildings in addition to recreation land management, which makes comparisons difficult. Bethlehem data falls into the green columns.



Source: www.nrpa.org 2016 NRPA Field Report

The typical agency with a population similar in size to the City of Bethlehem has an annual operating budget of between \$3.5 and \$5 million dollars. Cities and densely populated areas, have higher operating budgets than rural areas.

The distribution of operating expenses for the typical recreation agency is shown in the pie chart below. Personnel services represent 55% of operating expenses for the typical agency.



Source: www.nrpa.org 2016 NRPA Field Report

Comprehensive Parks & Pools Study

In 2016 Bethlehem's Parks and Public Property Department spent about 62% of its budget, across all divisions, on personnel services, slightly higher than the typical agency.

2016 Park and Public Property Budget - City of Bethlehem

ADMINISTRATION	Total: 294,972
Salaries	206023 (3 employees)
Longevity	480
Overtime	0
Temp Help	27820 (city hall monitors)
Differential	0
Meals	0
Office Supplies	1300
Uniforms	455
Gas	900
Training	800
Contracts	3500 (copier lease)
Other	1270
Equipment	52424

RECREATION	Total: 617835
Salaries	24965 (3 employees)
Longevity	35200
Overtime	12000
Temp Help	250600
Differential	500
Meals	200
Office Expenses	300
Supplies	44000
Chemicals	47900 (pools/rink)
Gas	950
Training	500
Ads/Print	1000
Contracts	5000 (Boys Club)
Refunds	500
Other	10100
Special Prog.	summer events, movie nights)

BUILDINGS	Total: 1.95 Million
Salaries	738191 (-13 employees 2015)
Longevity	13200
Overtime	80000
Temp Help	58292
Differential	1250
Meals	1200
Office Supplies	50950
Uniforms	2594
Small Tools	4000
Gas	13500
Training	2500
Electric	560700
Gas	141495
Heating Oil	59500
Contracts	130250
Rentals	-
Other	500
Maint. Equipment	3000
Plant Maintenance	51150
Equipment	36365

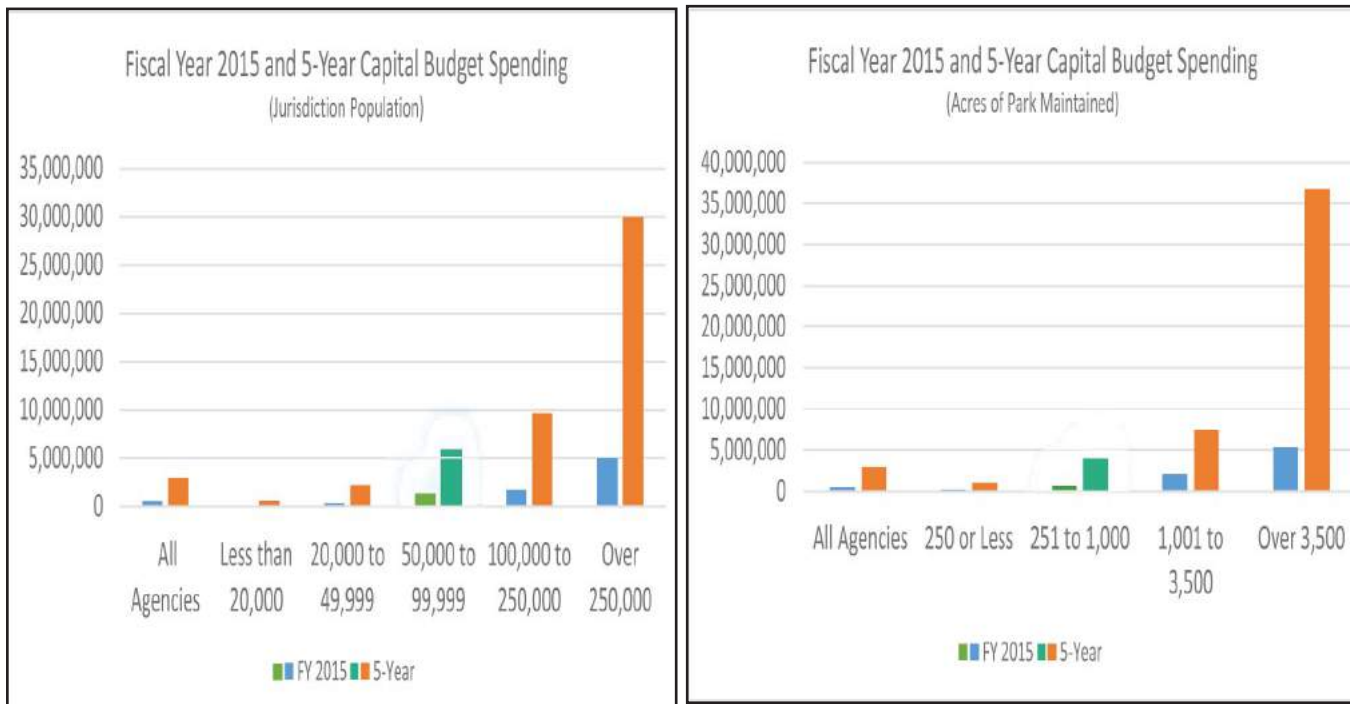
PARKS MAINTENANCE	Total: 1.3 million
Salaries	1073903 (21 employees)
Longevity	16000
Overtime	46500
Temp Help	20000
Differential	1500
Meals	3000
Op. Supplies	12450
Uniforms	4731
Small Tools	1500
Gas	32250
Training	3000
Contracts	3510
Rentals	500
	29200 (28000 Landfill Charges, Subscriptions)
Other	
Maintenance Equipment	14500
Plant Maintenance	24000
Equipment	23500

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One of the reasons the City has a higher personnel expense ratio for parks is that the employees in the parks department did more than take care of parks. The second reason for the higher percentage of personnel expenses may be that City workers are covered by collective bargaining. Just over one-third of park and recreation agencies have workers covered by collective bargaining. Union members are more likely to be on staff where there are more than 100 FTE's and in agencies maintaining more than 50 parks or more than 3500 acres of land. Bethlehem employs about 65 FTE's, and maintains 40 park and open space properties, totaling close to 1200 acres of land. It is hoped that the restructuring of parks management will create a more typical personnel expense ratio.

Another way to look at operating expenses, is on a per capita basis. The typical agency has annual operating expenses of \$76.44 per capita. Many municipalities charge a per capita tax to support recreation. This would be a good metric to measure if per capita data for the City of Bethlehem was available.

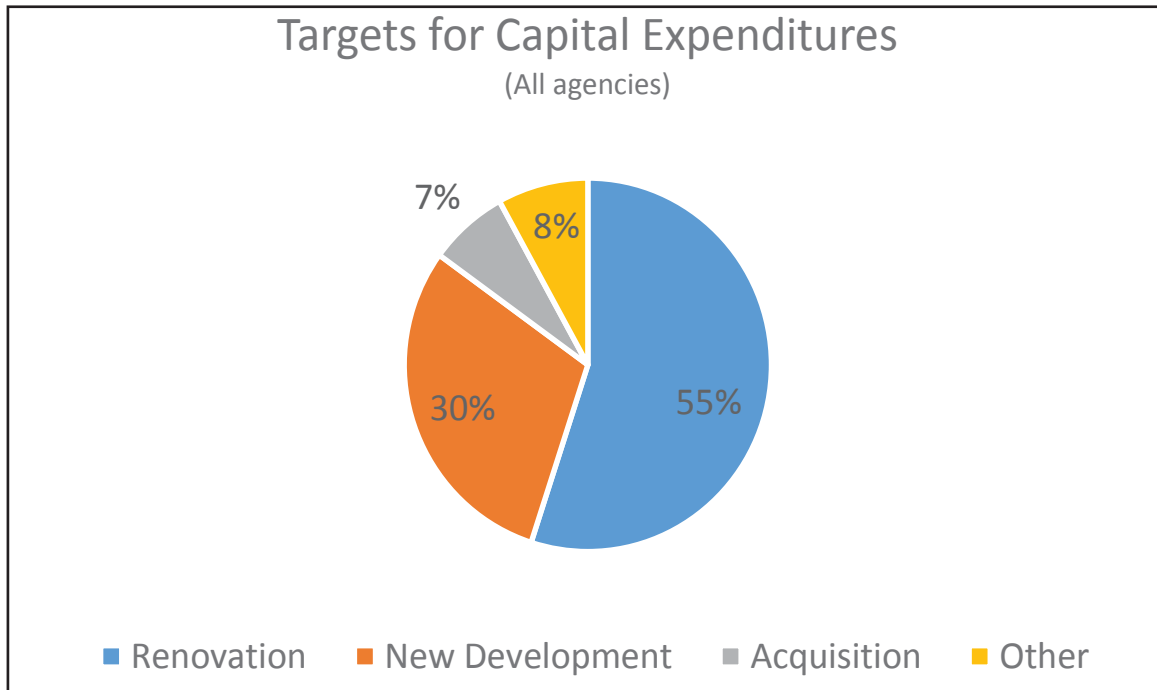
5. Capital Budget Every year the City of Bethlehem reviews its budget and the 5 year Capital Spending Plan. Park and Recreation agencies have a median of approximately \$3 million in Capital expenditures budgeted over the next five years. Not at all surprising is the larger the agency, the larger the size of the five year Capital budget. Agency size is positively correlated with the size of the population served. The City of Bethlehem data falls into the teal and green bars.



The tables above, from the NRPA 2016 Field Report, show that beyond day to day operations, the typical park and recreation agency serving 50 to 99,000 people has a median of \$5.8 Million in Capital expenditures budgeted over the next 5 years.

Looking at acres of parks maintained, the typical agency maintaining 600 acres of park land has a median of nearly \$4 million in capital expenses budgeted for parks over the next 5 years.

The size of the agency is also positively correlated with a greater percentage of the Capital budget devoted to new recreational facility development, versus facility renovation or rehabilitation. At agencies serving populations of more than 250,000 residents, 37% of Capital Budgets are allocated for development, with the typical agency breakdown more in the neighborhood of 30% of the Capital Budget allocated for new development.



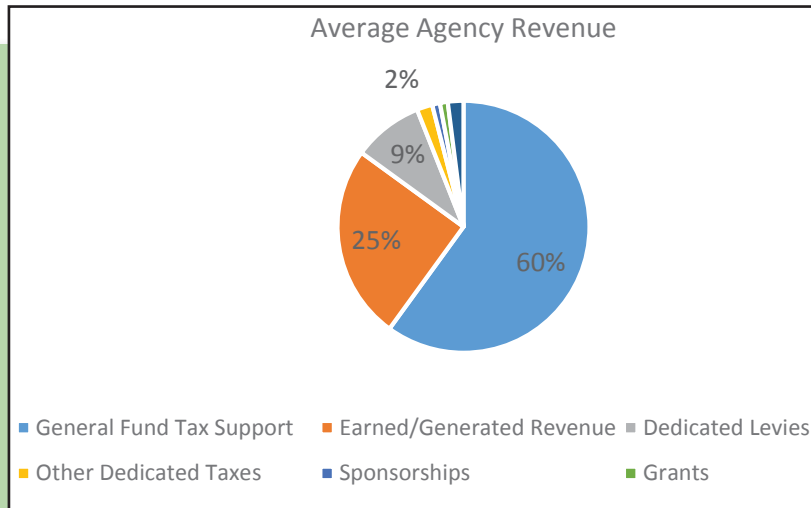
The Capital expenditures breakdown for the typical agency is roughly 60% allocated to renovations and 30% dedicated to new development projects annually.

The City of Bethlehem has focused their recreation and park Capital budget on the development of the South Bethlehem Greenway for the last several years. This award winning project has aided the much needed revitalization of the South Side after Bethlehem Steel shut down. The City recognizes that many other existing parks in the City are clearly in need of renovation and redevelopment. The majority of parks do not have ADA provisions, or the provisions do not meet current ADA criteria, playground equipment has no mulch, or the mulch is of insufficient depth, fall zone distances are not compliant, playground vandalism is not addressed, slides are boarded up, metal fixtures are rusting and paint is peeling. Specialty gardens are not tended, riparian buffers present invasive plants and are not compliant with minimum recommended depths. Pavements and access roads are in heaved and buckled. Fencing is rusting, wood is rotting, stone walls and buildings are falling apart. The pools and pool buildings have been in operation for as long as 60 years with no major improvements to the structures or mechanical systems. There is not insignificant risk to visitors using these facilities, or personnel working at or on these facilities. There are no planning efforts in place to improve recreation facility offerings, which outside of the new South Bethlehem Greenway, offer little more than modular play pieces, swings and basketball.

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5. Revenue and Cost Recovery

The average agency derives operating expenditures from the following sources:
 60% from general fund tax support,
 25% from earned/generated revenues,
 15% from dedicated taxes and tax levies approved by citizens for recreation



Source: www.nrpa.org 2016 NRPA Field Report

In addition to general fund tax support, the City relies on programming and facility rental fees to generate revenue. The City of Bethlehem receives revenue from the following facilities and programming services: Amounts shown are from the 2015 Season.

Pools.	Entrance Fees, Passes and Lessons	
	Rentals	\$158,842
Ice Rink.	Entrance Fees, Passes and Lessons	
	Rink, Skate and Party Room Rentals	
	Concession Contract Fees	\$285,805
Tennis.	League Rental, Lessons	\$ 35,756
Summer Camp at Memorial Ice Rink		\$ 19,250
Ice House	Rentals	\$ 27,308
Saucon Park	Softball League Rentals	\$ 7,790
	Rugby Field Rentals	\$ 1,800
	Soccer Field Rentals	\$ 18,475
Illicks Mill, Saucon Park and South Mountain		
	Pavilion Rentals	\$ 53,062
		<hr/>
		\$608,088

The city leases land to 7 athletic leagues in the City for \$1.00 per year, no matter how many acres of land the organizations are leasing. Athletic lands in the City total roughly 70 acres. The City provides maintenance for some of the fields and leased parcels. The City leases land and provides maintenance for Historic Moravian Bethlehem for \$1.00 per year as well.

The average agency generates \$795,000 in non-tax revenues annually, or an average of \$18.22 per person in their jurisdiction.

Using a population number of 75,000, Bethlehem's Recreation Department would generate \$1,366,500 dollars annually to match the national recreation agency average.

Another metric to used to gauge fiscal department health is to look at the percentage of operational expenses earned through programming and other fees, known as Cost Recovery.

The typical agency recovers 25% of its operating budget.

Bethlehem will have to single out the operating budget exclusively for parks in order to set a Cost Recovery Goal for recreation programming.

The following chart is recommended for use by the National Recreation and Parks Association to aid municipality park departments in calculating their effectiveness across several areas. The City should have a membership in the NRPA to continue to work towards maximum effectiveness and efficiency.

Agency Summary Effectiveness Ratios		%	#	Median
1	Operating expenditures per capita		0	
2	Revenue per capita		0	
3	Total revenue to total operating expenditures		0	
4	Total tax expenditures per capita		0	
5	Operating expenditures per acre of parkland		0	
6	Operating expenditures per acres of parks and non-park sites		0	
7	Operating expenditures per Full Time Equiv. Employees (FTE)		0	
8	FTE's per 10,000 population		0	
9	Acres of parks per 1,000 residents		0	
10	Number of residents per park		0	
11	Number of acres per park		0	
12	Number of participants per program		0	
13	Ratio of fee programs to all programs		0	
14	Ratio of building attendance to park attendance		0	
URDC 8/16/2016				
Source: National Recreation & Park Assoc.				



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III. Review of Current Plans

Bethlehem's parks and recreational facilities are the result of numerous recommendations, plans and studies. These guiding documents comprise both a broad vision as well as a list of targeted strategies and recommendations that work towards maintaining and improving Bethlehem's parks and recreational facilities. This list of documents includes:

- The City of Bethlehem Parks & Recreation Plan (2007)
- The City of Bethlehem Comprehensive Plan (2008)
- Southside Vision Master Plan 2014-2024
- Beth Connects: A Trail Study for the Bethlehem Area (2015)
- Return on Environment (Lehigh Valley Planning Commission)

A. The City of Bethlehem Parks & Recreation Plan (2007)

This plan was extracted and slightly expanded from the Bethlehem Comprehensive Plan, adopted in 2008. The Park and Recreation Plan examines three primary components of the city's parks and recreation system – Lands and Facilities, Programs and Administration. The plan set the following goals that identified, in a broad sense, what Bethlehem hoped to accomplish by maintaining and improving its recreational services.

- Provide enough attractive park land, improved trail corridors, and quality recreation facilities to meet the needs of City residents and other recreation site users.
- Maintain a comprehensive selection of recreation programs that are affordable and relevant to people with a variety of interests and abilities.
- Operate an efficient, full-service parks and recreation department that can continue coordinating current services plus plan for new services as needed.

Recommendations provided actions that Bethlehem could take to achieve its goals as they relate to Lands and Facilities, Programs and Administration. These recommendations were prioritized by urgency.

Short Term Goals (1-2 years) Included:

- Carry out plans for improving West Sand Island (some of this was done)
- Adopt and develop Monocacy Creek Watershed Association plan for Monocacy Park (2017)
- Continue to Sponsor community recreation events using a partnership approach
- Implement the Saucon Park Erosion and Flood Control Plan (some of this accomplished)
- Continue to fine tune City-sponsored recreation programs to respond to changing needs

Medium Term Goals (3-5 years) Included:

- Redesign Fairview Park and Friendship Park
- Establish a recreation facilities renovation program
- Formalize an "Art in Public Spaces" program
- Establish an agreement for community use of Bethlehem School District recreation facilities

B. The City of Bethlehem Comprehensive Plan (2008)

This plan stated and simplified the goals identified in the Parks and Recreation Plan (2007) and included strategies across Economic Development, Environmental Conservation, Parks and Recreation, and Historic Preservation related to park planning, maintenance and programming. The Action Program assigned a High Priority to the following recommendations related to parks and recreation:

- Seek funds to acquire conservation easements or full title to high value open spaces
- Use official map powers for land preservation
- Work to preserve and plant vegetation along creek corridors
- Work with Bethlehem's Environmental Advisory Council
- Complete improvements to Western Sand Island
- Analyze safety and other needs at each City owned neighborhood park
- Use partnerships to attract more contributions to the City's park and recreation budget
- Promote opportunities for sponsorship of certain park improvements

C. Southside Vision Master Plan 2014-2024

Southside Vision is an initiative of the Community Action Development Corporation of Bethlehem (CADCB), a subsidiary of the Community Action Committee of the Lehigh Valley (CACLV), a local non-profit. Southside Vision is administered with assistance from the City of Bethlehem and is funded by the Neighborhood Partnership Program through the Pennsylvania Department of Community and Economic Development. This initiative actively engages south side residents to create visions and aspirations for their community, which then become part of the master plan.

The Plan identified Public Spaces as a key need, including public parks. Survey results indicated that community members rated parks and playgrounds lower than what would be expected in an "ideal" neighborhood. Further public input resulted in the following recommendations relating to parks and recreation:

- Parks and Amenities: Continue implementation of the South Bethlehem Greenway Master Plan; install more amenities
- Events: Organize more events to increase awareness of parks; host intergenerational events

D. Beth Connects: A Trails Study for the Bethlehem Area (2015)

In 2015, a study was conducted to determine ways to expand and improve Bethlehem's existing trail network. Saucon Park Trails to complete the greenway to Saucon Rail Trail was the plan's top priority. Monocacy Way, which runs through Monocacy Park was the second highest priority trail. Lesser priority recommendations included strengthening community links to parks and other community venues with on and off road trails.

E. Lehigh Valley Return on Environment (2014)

This study, conducted by the Lehigh Valley Planning Commission undertook to monetarily quantify the value of protecting, enhancing and expanding environmental assets from trees to waterways in the Lehigh Valley. The study included the direct economic impact of outdoor recreation including annual spending. The goal of the study was to inform policy makers as to how open space and recreational opportunities that help to sustain local economies.

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IV. PUBLIC SURVEY FINDINGS

Public surveys were distributed at 4 park movie nights held throughout the summer. Results indicated that the Rose Garden Park is the most visited Neighborhood Park, Sand Island the most visited Community Park, Memorial the most popular pool. Driving and walking are the ways most people get to the parks. Walking was the most popular activity, followed by playing. Most residents visit the parks with children or with friends. All of the suggested improvements on the survey received equal response. Public awareness with regards to programming was highest for the swimming programs and the free movie nights. Users felt the programs were a good value for their dollar. Most residents find out about programs by word of mouth. Condition of facilities received the lowest score when asked about satisfaction of programs, both free and fee based. 68% of respondents said they would not want to pay more in taxes to fund renovations and improvements to the cities parks and facilities.

A copy of the graphed survey results can be found in Appendix A of this report.

V. KEY PERSON INTERVIEW FINDINGS

Key person interviews were conducted with heads of departments throughout the city, with athletic team presidents and organizers, with recreation facility managers, with the Recreation Committee and with the Broughal Middle School Community Activities Coordinator. Several common themes emerged.

A. MAINTENANCE

- No departments have a schedule to accomplish routine and necessary tasks that keep the public safe. Numerous tasks that should be undertaken on a bi-annual basis are only addressed on a semi-annual basis. Examples include playground mulch, equipment painting and/or repair, landscape manicuring, structural repairs to paved and gravel surfaces, buildings, and pools.
- Partner with service groups and the school district for general services.

B. PERSONNEL

- A bare bones philosophy has saved money through deep cuts in personnel but has seriously damaged morale and services. Staff feels unimportant and not valued. Directors and managers of facilities all have numerous ideas for revenue building, but there is no one to hear their ideas.
- More staff and an investment in existing personnel at every level. Employees need training. The city should invest in it's employees to have them certified in the skills that would benefit both the city and the employee. No one in the city is a member of National Recreation and Parks or Certified to Inspect Playgrounds for Safety.
- Employee pay rates need to keep pace with cost of living so qualified individuals can be retained. This applies to season help for example, lifeguards.

C. PROGRAMMING

- Extend hours at some parks to increase use and revenues by installing night lighting. Pool and Skate Park are examples. Night lights at a pool have been shown to greatly increase revenues.
- Use volunteer support to help run programs. Other communities have found ways to run successful events staffed by volunteers.
- No programs for youth, for seniors, no fitness programs, for handicapped. The city allows other agencies to run programs.

D. MARKETING

- Point of sale systems are desperately needed. Cash only systems limit spending and provide no data base. Wifi and connections to a master schedule would bring in more revenues.
- The tri-fold flyers are ...(worthless). Passes should be marketed. There should be flexibility in registration. Discounts for families (up to a certain number) and for sibling groups.

E. PLANNING AND FUNDING

- No plan in place for park improvements or for maintenance.
- Fix it as you go, philosophy.
- Money would be better spent if plans were developed first.
- Small playgrounds do not foster imagination or encourage youth to get outside. Parks need to be re imagined and redesigned to provide more opportunities for creative and social play for all ages and abilities.
- CDBG funds provide about \$100,000 per year to parks within low to moderate income blocks. This money is not used in a proactive or well planned way.

VI. PUBLIC MEETINGS

The study and it's findings were first presented to the recreation sub-committee of the Bethlehem City Council and members of the public in attendance. The local press reported on the meeting in the week that followed. Following that, three public meetings were conducted with City residents, to inform them as to the content and recommendations of the study, and to gain public support for the planning projects the study recommends. One public meeting was held in Central and Northeast Bethlehem, one in South Bethlehem and one in West Bethlehem. A resident survey was available at each meeting. The survey attempts to provide a base line for resident satisfaction by measuring how satisfied residents are with both neighborhood and community parks, how often they visit City parks, and how likely they would be to recommend Bethlehem's parks to others.

51% of respondents are somewhat satisfied with Bethlehem's local neighborhood parks. 29% reported being somewhat unsatisfied and 20% are very satisfied. 73% of residents reported that they visit a local park either weekly or seasonally, with the remaining 30% responding near equally that they visit either daily, monthly or not at all. 43% of respondents said they would recommend Bethlehem's neighborhood parks to family and friends; reasons why or why not included:

- Local Parks are places for neighbors to gather, recreate or swim; if right people are there
- Park buildings and equipment are outdated in many parks
- Parks need more services, less macadam, more natural features, better access to water, and accessibility for the handicapped
- Maintenance could be better for some of the sports courts and grounds in general
- Residents made several comments regarding how they like the local parks because they can walk there with family and enjoy natural surroundings

60% of respondents are somewhat satisfied with Bethlehem's community parks, with 18% reporting they are either somewhat unsatisfied or very satisfied. 5% had no opinion and 3% were very unsatisfied. Community park visitation trended with state SCORP results*, with 71% responding that they visit seasonally, 22% reporting that they visit monthly, and the remaining 8% visiting weekly or not at all. 82% of residents are very likely or somewhat likely to recommend Bethlehem's community parks to family and friends; reasons why or why not included:

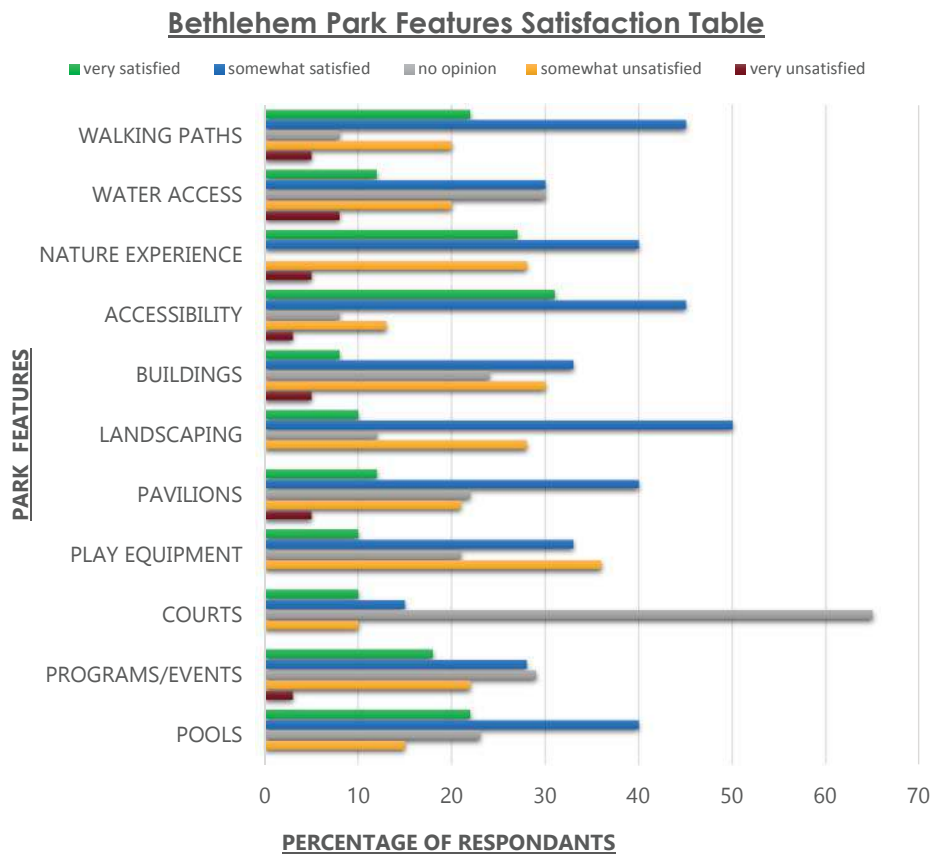
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- Sand Island has a wide variety of activities
- Illicks Mill was mentioned as being a great place to walk
- Monocacy received favorable comment as being the best park for walking and enjoying the historical buildings
- Improvements to landscaping, as well as upkeep of buildings and equipment are seen as short comings.

**The PA State Recreation Plan reported that 50% of Pennsylvanians participate in outdoor recreation weekly and local parks are the top destination choice.*

Programming and Public Outreach received several comments. Public perception is that the City does not host enough events in the parks, and that the public is often not aware of what events are happening. Most people find out about events via word of mouth, followed by the City website. Flyers and mailings ranked a very distant third.

Levels of satisfaction with existing park features were assessed and results are shown below:



The average respondent taking the survey was a married white female with a family that includes school aged children, employed full time and having earned a bachelors or advanced college degree. This respondent pool may not accurately depict the sentiments of the average Bethlehem resident. As part of future planning for the local parks, the City will again meet with residents of each neighborhood to get an assessment of how they perceive the parks and what sorts of recreation improvements they feel are necessary.



Identified Needs, Recommendations &
Anticipated Costs
Bethlehem Parks & Pools

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I. NEEDS

Community needs are assessed across the five areas outlined in the purpose of this study; Available Recreation Land, Environment & Stormwater Management, Recreation Facilities, Buildings & Pools, Programming, and lastly Maintenance & Operations. Key strategies intended to meet needs are identified.

A. AVAILABLE RECREATION LAND

In the Demographics section of this report, the Recreation Land available to City residents was compared with national averages. Looking at acres of recreation land per 1000 the City was slightly below average, but looking at number of parks per resident, the City was slightly above average. A third way to examine adequate recreation opportunities is to look at how well residents can connect to the outdoors. The average agency provides 11 miles of trail. Bethlehem provides more than 12 miles of trail with more being planned. The following initiatives can minimize the need to purchase additional land for recreation and maximize recreation opportunities:

- Land owned by the City and designated as a park should be evaluated to determine if the land has the potential to provide recreation opportunities for residents, either active and/or passive.
- The City should continue to develop a safe and accessible pedestrian and bicycle network of on and off-road connections to parks and recreation facilities within and adjacent to the City to provide additional recreational opportunities in a cost effective way.
- The City should work to develop an alternative transportation network as outlined in the Beth Connects Trails Study with the goal of becoming a bicycle and pedestrian friendly city.

Planning and rehabilitation in both neighborhood and community parks is needed to enable the City to meet the needs of residents in a way that is financially sustainable.

- Neighborhood parks in the City should be redesigned as “neighborhood park systems” to provide imaginative and creative recreational opportunities for residents of all ages and abilities within each City neighborhood.
- City playgrounds should be re-designed to address the developmental needs of toddlers, school aged children, through to young adults; including social, sensory and physical needs.
- Bethlehem has a handicapped population of 12.7%. ADA criteria should be met for access to all parks in the City and to at least half of available facilities in all parks.
- The City should provide at least one inclusive playground in each city neighborhood.
- Water play, in the form of a pool or a splash pads, should be provided in dense urban areas of each City neighborhood.
- Memorial Pool is the City’s largest, most popular and financially sustainable pool. This pool has been identified as an opportunity for rehabilitation and to create a destination pool. The structural members holding up the pool decking are rusted liability needs to be determined.
- Sustainability of the four other City pools may be re-evaluated after Memorial Pool has been renovated.



B. ENVIRONMENT AND NATURAL STORMWATER MANAGEMENT

The City park lands include substantial areas of environmentally sensitive land along the Lehigh River, Monocacy and Saucon Creeks. There are a few land areas along these water corridors still held in commercial, industrial and other private use. Private ownership limits the City's ability to monitor and improve environmental protection along these water bodies. Portions of these waterways have no riparian buffer, or the natural vegetated buffer has been cut down. Invasive plants can be found in nearly all riparian buffers. Creek banks in City parks are lined with stone walls that were designed to protect recreational assets. These walls are crumbling in many places and stone steps that once provided access to the water have been boarded off. The following strategies are recommended:



- Evaluate land use in the parks that contain waterways bordered with walls to determine if the walls are needed to provide flood control and protect recreation assets. If walls are not necessary, creek and river corridors could be restored to a more natural condition, with enhanced vegetated buffers to benefit wildlife, improve water quality and promote passive recreation.
- Consider the interface between user experience and the natural environment when planning improvements in parks with waterways. Protect riparian buffers by providing limited and defined access to the water for park visitors.

Neighborhood parks in the most dense residential areas of the City often have more paved area than is needed. Impervious paved surfaces add to stormwater problems by first warming water, and then allowing water to move more quickly, carrying sediment and chemicals downstream. The following strategies are recommended:

- Excess paving in the parks should be removed or re-purposed. If the pavement cannot be re-purposed, excess pavement should be removed to reduce stormwater runoff and heat reflection in summer.
- Consider pervious pavements when replacing paved surfaces in parks. Pervious pavements allow water to infiltrate on the site and help to meet Federal MS4 stormwater requirements.
- Incorporate natural BMPs such as rain gardens and vegetated swales to infiltrate storm water, reduce erosion and flooding, and cool water temperatures, thereby improving water quality.
- Inner City parks need greening. Shade trees add a natural element to parks, providing shade, shelter for wildlife, and social gathering places. A shade tree will absorb several gallons of water each day.
- City owned land used for stormwater management provides an opportunity to be designed for public access and education.



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C. RECREATIONAL FACILITIES, BUILDINGS AND POOLS

PARK FACILITIES in the neighborhood parks throughout the City present similar opportunities. Visitors typically find a modular playground, swings, tire swings, spring toys and basketball. Many pieces of playground equipment are outdated, inaccessible and/or do not meet the needs of residents. There are limited opportunities for social gathering, observation of wildlife or simple lawn activities like pick up games or just rolling around.

- Facilities at Bethlehem's parks need to be up-dated and meet ADA accessibility criteria.
- Facilities at Bethlehem's parks should be well maintained, meet current safety standards, be safe, well-lit and clean.
- Cameras and security lighting should be installed where vandalism is prevalent. Vandalism should not be allowed to restrict the available facilities within a neighborhood park.
- The city should take advantage of historical and cultural features in the parks to create themed pathways with interpretive signs. A pathway to showcase the many memorials and the DAR House in Rose Garden Park is an example.
- The city needs facilities at multiple parks to meet the needs of young adults who enjoy individually challenging recreational opportunities. The SkatePlaza on the South Bethlehem Greenway is a good example.
- Professional Planning to improve park offerings is needed.



BUILDINGS. Many of the buildings in the City's parks were built between 1930 and 1960. Most all are in need of moderate improvements to provide a safe environment for visitors and employees. Some have more serious structural issues that need to be resolved.

- Park buildings need to be examined and upgraded to meet current building codes and to ensure structural stability.
- Cost benefit analysis is needed to answer the "rebuild, repair or remove" question. Some buildings are not used at all or are only used seasonally. Rest rooms have been removed or closed in most all neighborhood parks in the City.
- Buildings are elements within a larger park setting. Buildings are linked to other buildings, facilities and parking as part of a circulation network. Building improvements should be planned within the larger context of park improvements for a successful recreation outcome; not as a solitary endeavor.

POOLS. The City's pools and bath houses are outdated, with some equipment and structures well past their intended life expectancy.

- Pools, the equipment and buildings should be repaired to be safe, clean and accessible until the proposed rehabilitation of Memorial Pool has been completed.
- Pool sustainability will be re-examined after the Memorial Destination Pool is operational. Some pools in dense neighborhood settings should be converted to Splash pads. Pools in low density residential areas may not see enough visitors to sustain operations.

D. PROGRAMMING

Typical recreation agency program offerings were reviewed in the Demographics section of this report. Bethlehem offers less programming in some areas than does the typical agency, but offers several unique venues that are not found in the typical agency.

It is the operational standard in Bethlehem's Recreation Department to partner with public and government agencies to provide programming for residents of all ages and abilities. The City often provides the building, facility, and/or equipment to the organization hosting the program. This allows the City to offer programs without bearing the full cost of staffing, organizing and advertising. The partnering approach also prevents duplication of services which is cost effective. The Recreation Department has worked with the school district, the health department, and multiple non-profit groups to reach and provide programs to meet the needs of the elderly, seniors, the poor, minority populations, and young families. Programs have included everything from trail clean-ups, to fun runs to yoga classes.

Program marketing to improve attendance presents the most difficult issue for the Recreation Department in Bethlehem, as it does for most all municipalities.

- The City should provide a data base for residents listing all recreation programs being offered, with location, costs, necessary equipment or clothing, times, dates and contact information for questions.
- The City should look for partners to fill in population sector service gaps that may exist, for example, seniors or at-risk youth.
- Recreation should partner with other City departments, such as, the Police Department, and the school district, to offer bicycle etiquette and safety classes as the City's alternative transportation network expands.
- The city should retain and train recreation staff to manage and promote recreation events and programs.
- The city should evaluate the suggestions for programming brought forward by facility managers and the public.
- The typical agency recovers 25% of it's operational costs through program revenues. The city should work towards reaching this average cost recovery.



A poster for a "Bump Ball" event. The title "Bump Ball" is in large black letters. To the right is a small graphic of a hand holding a ball. Below the title, the date and time are listed: "Saturday, November 14, 2015 10am-2pm". The location is "Main and Spring Sts. Bethlehem (Celtic Highland Games field)". At the bottom are three logos: "BETHLEHEM pennsylvania" with a sun and musical notes, "LWJ" with a heart shape, and "Molly's IRISH GRILLE & SPORTS PUB" with a shamrock.

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E. MAINTENANCE AND OPERATIONS

In the Demographics section of this report, typical parks and recreation agency staffing was compared to staffing in Bethlehem. It was discovered that the City hires more staff and bears a higher than average personnel cost than is typical; however, City staff is responsible for much more than simply park lands and facilities, so the comparison does not reveal a true picture.

Park Maintenance is the responsibility of the Public Works Department. Maintenance has fallen behind due to the demands of maintaining multiple park and public properties, assisting other City departments, and responding to residents requests for tree work, graffiti removal, and to retrieve items lost in creeks. Providing well maintained facilities is a critical component of user experience, which adds to quality of life and satisfaction with recreation opportunities.

- The city needs adequate staff to provide consistent and high quality services to the public across all areas of the Parks Department.
- The condition of permanent structural elements in the parks, such as buildings, walls, facilities, mechanical and play equipment should be renovated as soon as the budget will allow. A prioritized action plan to accomplish this work is needed.
- Maintenance at the parks should be emphasized to ensure the facilities and equipment are safe and up to current regulatory standards by keeping and maintaining a maintenance schedule for buildings, vegetation and recreational amenities.
- The staff need appropriate training and certifications to serve the public. Personnel should be familiar with and be able to initiate compliance with current regulations.
- Software upgrades and Internet access are needed at paid entry facilities to allow for the use of credit and debit cards, which allows visitors to spend more money. Internet access will provide employees with the ability to access scheduling information and answer visitors questions, as well as to promote other City events and programs. Wifi at the parks will improve user experience. Electronic payment allows the City to track visitors and to create a user data base with information such as frequency and popular times of visits.

The Operation and Management of Bethlehem Parks was restructured in 2016.

- The city will need to assess the effects of this reorganization effort on a yearly basis in the areas of Recreation Services, Administration, Maintenance and Programming to determine the need for staffing.

City parks are in need of planning and rehabilitation to enhance quality of life for residents. The City does not want to increase the tax burden on residents to meet infrastructure improvement needs, yet the municipal budget must be sustainable. Communities must get creative with programs and use resources wisely to succeed. Many communities have had success in funding by creating 501(c)(3) groups. Non-Profits make good partners by raising funds to provide grant matching, and revenues for maintenance and park improvements. They can also help to recruit volunteers for events and provide feedback. Options to accomplish this include:

- Creating a non-profit "Friends of Bethlehem Parks". This volunteer organization would have a board comprised of at least one city council member, possibly the mayor and a cross section of interested citizens. It is important that the objectives of the City and the "Friends of" Board are not at odds.
- Establish a Bethlehem Parks Trust Fund/Endowment. A trust would be a long term funding source for improvements and maintenance.

II. GOALS

Goals are based on the needs that have been analyzed, and through the planning process are crafted into goals that provide a vision for the future of Bethlehem's parks. Neighborhood and Community Parks across Bethlehem show signs of insufficient investment resulting from budget and staff limitations. The parks need more variety and creativity in facility offerings to make them attractive for residents and visitors of all ages and abilities. Neighborhood parks are isolated from each other and from residents by physical barriers of water and high volume streets. Community Parks need planning and environmental sustainability remedies. These goals are grouped in the five areas of interest as identified throughout this study.

A. AVAILABLE RECREATION LAND

- Provide adequate park land to meet the needs of residents by improving pedestrian and bicycle connections within and outside of the City. Create a bike and pedestrian friendly City.
- Expand recreational opportunities for residents by working with adjacent municipalities and landowners to create off road trail corridors and/or on street bike lanes to create a safe transportation network. Connect Bethlehem with nearby recreation venues, like Walking Purchase Park, Gertrude Fox Park and the Archibald Johnston Conservation Area.
- Write a Master Plan and Pool Feasibility Study for Monocacy Park and Memorial Pool to create a destination park and pool. The plan should include recommended improvements to Illicks Mill Park, to Monocacy Way and other access improvements as recommended in the Beth Connects Trails Study.
- Revitalize neighborhood parks through "neighborhood park systems" beginning with creative visioning, and redesign, to create a park system for each City neighborhood that will serve residents of each neighborhood with a range of amenities and opportunities.
- Plan for improvements to community parks to preserve their unique place within the city.



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B. ENVIRONMENT AND STORMWATER MANAGEMENT

- Protect stream banks and floodplains within the parks to improve water quality in Monocacy and Saucon Creeks and along the Lehigh River and Delaware Canal
- Improve and restore riparian buffers and stream banks along all water bodies in the City
- Reduce pavement, install pervious pavements
- Install shade trees in inner City parks to alleviate summer heat
- Engineer natural stormwater facilities like rain gardens and vegetated swales while providing passive recreation and public education
- Create no mow meadow areas to reduce maintenance costs

C. RECREATION FACILITIES, BUILDINGS AND POOLS

- Make recommended improvements to play equipment and park amenities that are necessary to provide safe and accessible visitor experiences.
- Make recommended repairs to buildings and bath houses that present a safety concern or are in violation of current codes to create a safe environment for the public, staff and City employees.
- Make critical repairs necessary to keep pools open, investigate closing unsafe facilities or replacing them with splash pads.
- Highlight cultural and historical amenities and facilities in Bethlehem's parks.

D. PROGRAMMING

- Continue working with area and city service agencies to provide programs that meet the needs of residents of all ages, backgrounds, ethnicities and abilities.
- Continue to provide access to City facilities for programming by non-profit organizations as needed/requested.
- Improve awareness of program offerings available to City residents using the City website to create a Program Marketplace with detailed event and contact information. Explore printed materials options to reach those who do not use or have regular access to electronic devices.
- Retain and train staff to provide quality programming
- Work towards meeting the goal of recovering 25% of the parks annual operating expenses.
- Create community pride in neighborhoods for the parks.
- Consider creating an "Intro to Water Sports" program to introduce minority populations who are fearful of "swimming" to the water. Avoid use of the word "swimming" in promotional materials. Options could include water activities that are not "swimming" and that students could enroll in until comfort in and around water is improved.

E. MAINTENANCE AND OPERATIONS

- Retain an appropriate number of employees to do the work required to provide quality park and recreation services and experiences for the public.
- Provide necessary training for employees. Examples would include NRPA Certification and/or membership, Certified Playground Inspector, Arborist, and Pesticide Applicator.
- Create a maintenance schedule, with safety and quality of visitor experience as top priorities.
- Improve the visitor experience at point of sale and enable collection of user data.

- Reassess the financial sustainability of City pools on an annual basis after the renovations to Memorial Pool are complete. Retain a geographic distribution of pools and/or splash pads to provide a minimum of one water play facility in all City neighborhoods.
- Seek to create a 501(c)(3) group of qualified and dedicated citizens to raise money and to attract volunteers for park needs. This non-profit would work with city council and the parks department to accomplish identified goals.
- Establish a Trust Fund/Endowment for the city's parks to provide long term funding for improvements and maintenance.



III. RECOMMENDATIONS

Recommendations are steps that need to be taken to achieve the goals. These recommendations serve as an action program. Recommendations should be prioritized to designate how important or beneficial a specific goal is relative to the total work being recommended. A lower priority is not necessarily unimportant, because it may simply reflect an action that is not easily accomplished, and will take some time to achieve. The recommendations have been classified as Short Term, Intermediate Term and Long Term. They are grouped into the five categories presented in the needs and goals sections: Available Recreation Land, Environment/Stormwater Management, Recreation Facilities, Programming, and lastly, Maintenance and Operations.

A. AVAILABLE RECREATION LAND

This report recommends building on the recommendations of the Beth Connects Trails Study, to improve access to parks and recreational opportunities for residents and visitors. Bethlehem's parks and neighborhoods are separated from each other by water and arterial streets. The Trails Study mapped recommended streets for dedicated bike lanes and sharrows (shared vehicle-bicycle use pavement markings) throughout the City to improve neighborhood connections using both on and off road trails.

Existing bridges provide minimally accessible travel for pedestrians and bicycles across the Lehigh River. A citizen committee has formed to examine options to build a pedestrian/bicycle bridge crossing the Lehigh, as was recommended in the Beth Connects Trails Study. Improved river and bridge crossings would greatly improve connections between neighborhoods and recreation venues in the City, upgrading quality of life and improving the City's recreation ratings.

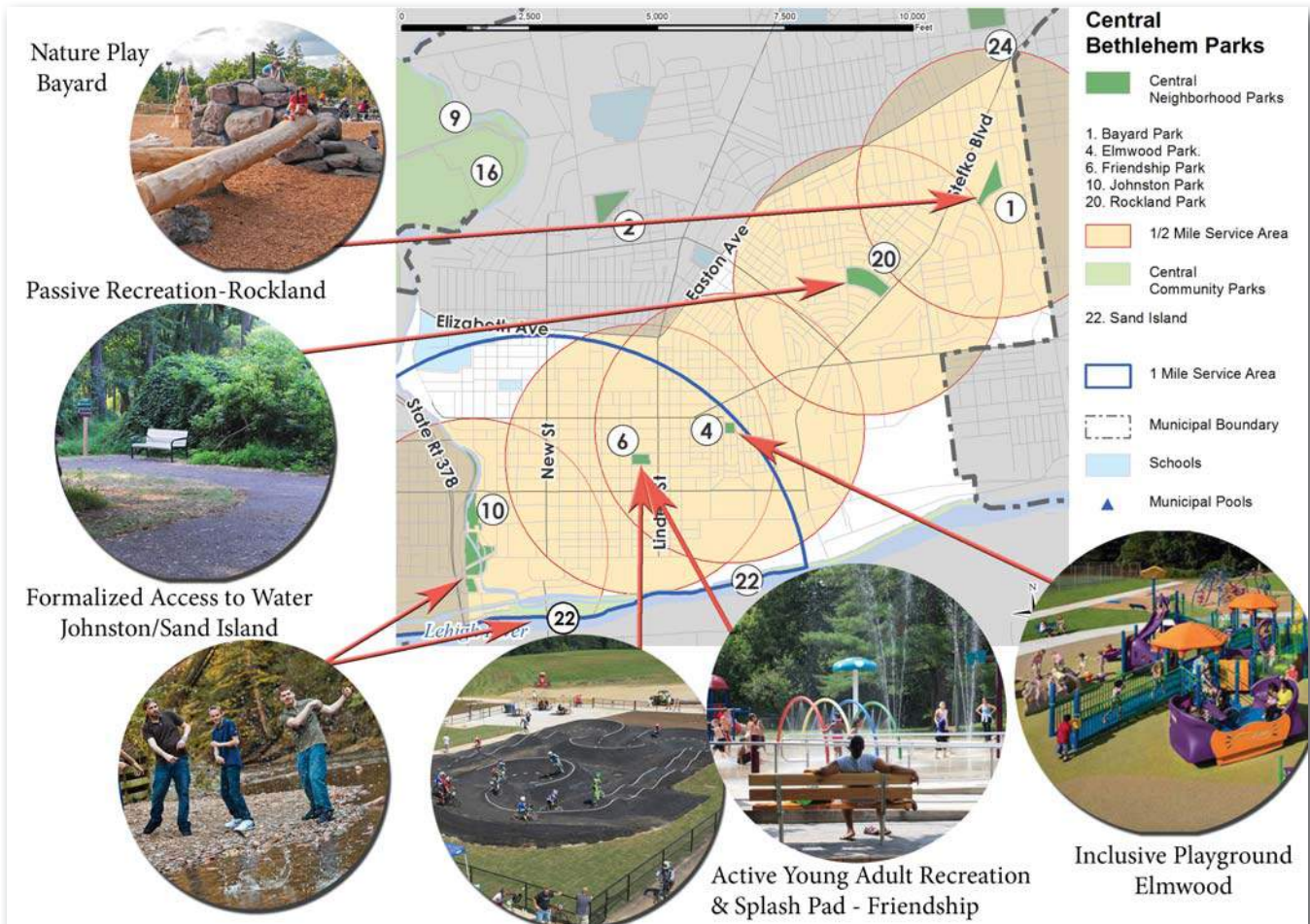
SHORT TERM

1. Write a master plan and pool feasibility study to renovate Monocacy Park and Memorial Pool as a destination pool and park. The plan would include Illicks Mill. The plan would expand the park's recreation offerings and renovate existing amenities to create a park that truly offers something for everyone. Accessibility improvements, such as connecting the Monocacy Way trail and creating a complete pedestrian way around the complex would be part of the plan. Crossing improvements would also be incorporated to provide safe pedestrian access across Schoenersville Road at the Monocacy Way crossing and for residents of West Bethlehem.

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- Concurrently with the planning for the Monocacy Complex rehabilitation, the City should create a Master Plan that will include all Neighborhood Parks in the four City neighborhoods. Planning should use a "Neighborhood Park System" concept. This City wide plan will need to be periodically reviewed to respond to changes in demographics and recreation trends. Any existing park plans will be reviewed as part of this process and good concepts integrated. An historical monument path in Rose Garden Park should be part of the work in that park. The City Electrical Department should be relocated from Friendship Park.

Central Bethlehem "Neighborhood Park System" Example



- As part of the City wide neighborhood master plan, the City should re-evaluate park lands that do not serve to provide recreation for the communities in which they are located and are not well visited. Parks that are on that list may be assessed as follows:
 - Yellis Tract. This existing detention facility and open space shows signs of serious flooding. Stormwater from the neighborhoods surrounding this tract of land flow through it ultimately ending up in the Monocacy Creek. The water channel is degraded and debris filled. This land has the potential to provide an excellent example of a natural stormwater facility. A hydrology study should be conducted with a goal to re-engineer the existing structural stormwater systems in favor of non-structural controls; for example, an engineered wetland. This

- environment should be designed to provide adequate stormwater management, to provide native plants that support wildlife, to reduce mowing and to provide a passive recreation experience by connecting neighborhood streets through the wetlands. A boardwalk with an educational sign program could be installed with natural play features along its path.
- Northdale. The facilities here are under utilized, due to this park's proximity to Governor Wolf Elementary School's playground, which is newer and larger. The play equipment here could be removed and the property offered to City Line Little League for another field, batting cages, practice space or an expanded parking lot. The city could offer design assistance and help with improvement costs. This land could then be fully leased and the City would save on maintenance costs and mowing.
 - Ullman. This is a nice large property with a wonderful view. Access to this park is poor. If access to Ullman Park can be improved, and if interest in using this park for recreation exists, it could be retained and redeveloped. The property is located in an area of the City with little park land and a dense population. If access cannot be improved and the land remains unvisited, the City should remove the play equipment and sell the land.
 - Enix. Consider sale of Enix Park. This park was not visited in the resident survey. It is a very small lot in need of a costly retaining wall replacement. There are 9 other City of Bethlehem Parks within 1 mile of Enix Park, although residents must be able to safely cross Wyndotte Street/378.
 - Holton. This land was deeded as a permanent recreation use. The property is not accessible to residents, there is no parking and the location is not suitable for recreation as it surrounded by three streets; Route 512/Center Street, Macada Road and Main Street.
4. When designing City neighborhood parks as "systems," the City should aim to ensure that each system provides unique and beneficial recreation opportunities. Access and visibility should be improved at all parks to encourage participation and reduce vandalism. Each system should include the following recreational elements:
- An inclusive play experience should be provided at a park where existing grades meet the 2% maximum required for ADA compliance. An ADA accessible surface should be provided to access inclusive play equipment.
 - ADA compliant sidewalks, ramps and crosswalks near and connecting to neighborhood parks. Safe streets for bicycles. Streets marked with sharrows should be inspected regularly to ensure the designation remains clearly visible. Residents need to be educated to understand what the designation means so that bicycle travel on city streets can be done safely.
 - A water play feature. This could be a pool, a zero clearance wading pool with spray elements, or a simple splash pad. The size of the facility should be determined by anticipated use and service areas of other aquatic facilities.
 - A passive park experience such as a multi-use pathway to provide a quiet getaway into a natural environment, to observe wildlife or native flora. Creek and river access should be provided at selected locations for fishing, paddle-boarding or other non-motorized water sports.
 - Gathering space. A pavilion or shade structure (which could be an existing large shade tree) should be available in each park with accessible seating. The city should work with vendors to select vandal resistant materials and amenities. Gathering spaces can also be created as nodes along trails and within active recreation areas.
 - A natural play experience. This could be as simple as a grassy hill to run or roll down, logs to crawl through.
 - A multi-purpose lawn area.

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- An active recreation offering for youth and young adults. Examples include basketball, a BMX Park or a Pump Park. The city may be able to find interested organizations to help with fund raising and maintenance of bike parks. A north side skate park would not go un-used.
 - Geo-caching, or other activities that involve the use of technology.
5. Pools. The City should close any pools that are unsafe for residents, staff and employees, as determined by a qualified pool consultant. The City should close pools that are in need of costly repairs and are not earning enough revenue to be financially sustainable. Make all necessary short term repairs to pools and pool buildings at Stark, Westside and Yosko pools to ensure a safe and accessible environment for staff, residents and employees. Necessary repairs are those that protect the public and municipal employees from accident or injury and protect buildings and equipment from further deterioration. The future of the pools remaining open should be determined after Memorial Pool re-opens as a destination pool.

INTERMEDIATE TERM

1. The trail gap between the end of the South Bethlehem Greenway at Auburn Street and the Saucon Rail Trail was recommended to be bridged by providing trails through Saucon Park. This was a high priority recommendation of the Trails Study. The City should work towards closing this critical trail gap; either as part of Saucon Park improvements or as an independent effort. The Saucon Park trails should be incorporated into any planning and development work in Saucon Park.
2. The Monocacy Way travels through Johnston and Monocacy Parks from Sand Island. As improvements to Monocacy and Johnston Parks are made, improvements to Monocacy Way as recommended in the Beth Connects Trails Study should be incorporated as part of the work.
3. The location at which the D&L Trail crosses Main Street at Sand Island is confusing and not ADA compliant. The trail is gravel; needs resurfacing and edging to return it to its full ten-foot width. This trail is an important piece in a National Heritage Corridor. Bethlehem's section should reflect the city's commitment to quality of life and the environment through outdoor recreation.
4. The City should consider purchasing any lands along stream banks for recreational trails and/or conservation uses, such as land along Monocacy Creek, to protect riparian buffers and water quality.

LONG TERM

1. Review and update plans for improvements to Sand Island West and develop the park in phases. Provide facility and access improvements to Sand Island East as part of this work.
2. Redesign Saucon Park to include improvements recommended in Beth Connects, A Trails Study. Improve ADA access throughout the park, improve riparian buffer and implement the Saucon Park Erosion and Flood Control Program. Expand park to include area beyond Silvex Road with passive recreation offerings. Re-purpose buildings or remove them. Remove or fill Saucon Pool.

B. ENVIRONMENT AND STORMWATER MANAGEMENT

SHORT TERM

1. With-in the context of park master planning, the City should prioritize the protection of riparian buffers along Monocacy Way, Saucon Creek and the Lehigh River and Lehigh Canal.

2. Yellis Tract as a detention facility can not be sold. This land should be re-engineered to provide a natural system of stormwater management that works. The City should determine during the master planning process if there is interest in the area for passive recreation and environmental education.

INTERMEDIATE TERM

1. Within the context of park master planning, the City should recommend the removal of paving that is not being used for recreational purposes and suggest the use of pervious pavement wherever new paving is recommended in the parks and on trails.
2. Prepare a Forest Conservation Plan for South Mountain Park to improve sustainability and environmental health of the woods.

C. RECREATION FACILITIES, BUILDINGS AND POOLS

SHORT TERM

1. Make necessary repairs to provide safe playground experiences in all Bethlehem neighborhoods. The following is not a complete list, but these concerns deserve immediate attention:
 - Playground Equipment:
Provide adequate playground safety wood carpet mulch to the proper depth with recommended fall zone distances around all play equipment at all parks. Edge beds and keep edges between lawn and wood carpet flush. Remove and replace any metals that have peeling paint and repaint or replace. Repair or replace damaged components on modular playgrounds. Work with a Certified Playground Safety Inspector.
 - Court Surfaces:
Repair damaged asphalt surfaces where cracks could create tripping hazards. Re-stripe if needed. Repair damaged hoops and backboards or replace. Repair or replace netting. Remove any peeling paint on poles and refinish metal surfaces or replace.
 - Access:
Edge gravel pathways and replenish gravel topcoat to create walkable surfaces.
Repair concrete and stone broken steps and any walls that are crumbling onto walkways.
Replace rotted timber walls around Enix Park, or close this park.
Repair heaved and broken asphalt pathways.
Re-stripe Handicap Parking Spaces, or create one accessible spot per park. Provide ramps and crosswalks that meet ADA criteria on streets surrounding parks.
 - Amenities:
Benches-Ensure benches are stable, level and at proper seating height. Place benches nearer to accessible pathways where possible.
Water Fountains- replace with new or remove stubs down to soil level.
Pavilions- Create firm stable slip resistant pathway to pavilions that meets ADA criteria. Install seating or tables in pavilions. Bolt to floor or embed in concrete as is necessary to keep seating in place.
Lighting- Install motion detectors around facilities where vandalism is a concern.

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Fencing- Replace rusted fence netting, posts/poles with vinyl coated. Consider aluminum fence if budget allows. Consider automatic locking gates at small parks where perimeter is already fenced.

Walls- Repair walls structurally retaining soils. Repair walls at stream bank edges where pedestrians have access, or fence these areas off.

- Vegetation:

Remove any noxious weeds like poison ivy that pose a health risk to children and adults.

Remove vines that wrap around benches or equipment, fences, etc. Inspect trees for broken branches or dangerous limbs. Prune up and away from pathways and trails to a height of 12' and a minimum of 4.0' back from edge of trails/paths.

- Buildings:

Repair building deficiencies noted by architectural consultants that present a danger to the public, to staff or to city employees. Replace equipment that is past the end of its useful life

INTERMEDIATE TERM

1. Work within context of park planning to include recommended renovations to buildings that do not immediately pose a public health risk. Include architectural consultants in planning to determine if building repairs are cost effective based on need and use of building.
2. Hire consultant to study the depression era WPA and other stone walls along Monocacy Creek and Saucon Creek to determine which portions should be retained and what sections could be returned to a natural stream bank situation.
3. Remove or re-purpose buildings that are not used, vs. shuttering them.

D. PROGRAMMING

SHORT TERM

1. Assess current offerings and determine what groups are being served, what groups may have additional program needs. Work with agencies, school district and health organizations that may assist with program funding and ideas.
2. Seek ways to improve communications to residents using old and new marketing methods
3. Use facility managers to brainstorm programming ideas. Research what has worked in other communities with similar demographics.
4. Ensure that all staff and facility managers are aware of cost recovery goals.
5. Seek out organizations and funding methods to provide fee assistance for low income residents so that they can attend programs.
6. Provide equal access and opportunities across all neighborhoods.

LONG TERM

1. Enhance programming as facility improvements are made to create public awareness and encourage participation in park events.
2. Work with schools to encourage lower income kids to learn to swim. Offer water play and introduction programs (vs. swimming lessons) for children and or families.
3. Develop programming based on Demographic Data, study what works in other communities with similar populations, and trends. Use NRPA resources.

4. Study ways in which other communities have made concessions successful and profitable. A 25% profit is realistic.
5. Consider offering additional pavilions for rent. At least one large rental pavilion should be available in each neighborhood.

E. MAINTENANCE AND OPERATIONS

SHORT TERM

1. Keep accurate records of employees, hours worked and tasks assigned to maintain parks, park buildings and pools to ensure the quality of services is improved and upheld.
2. Create maintenance schedule for park buildings, land and pools, with trained employees dedicated to specific tasks and neighborhoods.
3. Meet with facility managers on a frequent basis in season, post season and pre-season
4. Provide technology that will make data recording easier and more transparent between all departments
5. Calculate and maintain adequate budget for bi-annual and annual maintenance needs each year based on life-cycle costs.
6. Ensure future municipal capital and operating budget allocations are adequate to meet park management, development and maintenance needs.
7. Seek more State, County and other funding for parks, recreation and open space purposes.
8. Work with outside agencies to improve sustainability. Consider YMCA partnership to manage and operate pools.
9. Create 501(c)(3) Friends of Bethlehem Parks and/or Bethlehem Parks Trust Fund/Endowment to bring in additional revenues and recruit volunteers.

INTERMEDIATE TERM

1. Hold round table meetings to allow discourse between facility managers, programming and maintenance to brain storm solutions to problems, assess goals and promote a spirit of cooperation
2. Plan for higher capital improvement projects in restoration and development.
3. Reward conscientious employees and pay competitive wages for seasonal employees.
4. Analyze true costs to maintain all leased lands maintained all or in part by the city parks department. Include costs to repave walks, fix buildings, replace lighting, and plow snow, repair fencing and stone walls.
5. Revenues
 - o Lease rates of city lands and facilities should reflect the cost to maintain them, as well as a 25% cost recovery margin where feasible.
 - o Develop lease agreements that place maintenance responsibilities and costs with the lessee, where feasible and fair. (athletic associations)

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IV. SHORT TERM PROJECT HIGHLIGHT: MONOCACY PARK COMPLEX & MEMORIAL POOL REHABILITATION

This project was selected as a short term item because this park is centrally located in the City, it serves the entire community, it provides passive and active recreation and it is connected to the City via the Monocacy Way trail. Unique facilities available at Monocacy Park are the Earl E Schaffer Municipal Ice Rink, Illicks Mill and the City's largest pool and bath house at Memorial Pool. The pool, bathhouse and mechanical equipment serving Memorial Pool are 40 to 50 years old, well past their typical service life. The filter room beneath the pool presents a dangerous situation for users and for employees. Monocacy Park includes Illicks Mill and Monocacy Way trail. All of this would be included in a new plan for improvements to Monocacy Park.

The rendering below shows an idea of improvements that could be made, including destination pool amenities, the addition of a play trail with accessible connections to Monocacy Way. An Estimate of Probable Costs is presented on the following page.



Comprehensive Parks & Pools Study

City of Bethlehem Memorial Pool Project - Estimate of Probable Costs			
A.	Monocacy Complex		
	Improved ADA Connections		250,000.00
	Inclusive Natural Destination Playground		375,000.00
			\$ 625,000.00
B.	Monocacy Complex Structures		
	Primary Bath House	3000 SF	650,000.00
	2 Shade Pavilions	900 SF/	180,000.00
	Filter Room Repair		250,000.00
	Small Second Bath House	600 SF	100,000.00
			\$ 1,180,000.00
C.	Monocacy Destination Pool		
	New Filtration and Piping		600,000.00
	New Main Pool with Beach Access		1,200,000.00
	Slides and Splash Park		700,000.00
	Lazy River		450,000.00
	Aquatic Soft Costs		140,000.00
			\$ 3,090,000.00
	Estimated Cost of Construction		\$ 4,895,000.00
	Contingency	(15%)	734,250.00
	Bonds	(10%)	489,500.00
	Engineering	(15%)	734,250.00
		Total	\$ 6,853,000.00
D.	Pedestrian Connections Around Monocacy Park Complex		
From Trails Plan-2015	Illicks Mill to Schoenersville	.9 miles	
	Schoenersville to Mway	.5 Miles	300,000.00
	Improvements to Mway from Schoenersville to Illicks Mill	.9 Miles	400,000.00
			\$ 700,000.00
E.	Illicks Mill		
From Illicks Mill Plan-2011	Improvements to Circulation & Access, Create Gathering Space outside the Mill, Build on Sustainability Improvements to be Installed in 2017		
	2500 SF Paved Gathering Area & Pathways		35,000.00
	Walls, Steps and Ramps		12,000.00
	Improve Sidewalk with New Aligned ADA Ramps		15,000.00
	Demolition-Existing Paving		10,000.00
	Grading, Seeding, Planting, Site Furnishing, Lighting		25,000.00
	Loop Drop Off and HC Access Paving		35,000.00
			\$ 132,000.00
		Sub-Total	\$ 832,000.00
C.	Contingency	(15%)	124,800.00
	Bonding	(10%)	83,200.00
	Engineering	(20%)	166,400.00
		Total	\$ 1,206,400.00

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V. COST ESTIMATES

The following costs reflect the recommendations of this report; which conclude that planning is needed to ensure that the City park system will be sustainable and will provide high quality outdoor recreation opportunity. The costs reflect anticipated costs for both Planning and Development as noted. Future development costs for planning projects are determined by what is planned and will vary greatly depending upon the scope of the proposed work.

Development cost estimates provided below do not include permitting and engineering costs. Permitting costs can vary greatly from project to project depending on municipal and environmental conditions. Generally, engineering costs are based on the cost and complexity of a proposed project, averaging between 15 to 25% of construction costs, not including permitting costs. Additionally, 10% is typically added to development costs to cover contractor bonds and 15% is added to cover contingencies, such as hitting bedrock or having to repair a sinkhole. A wide range of development costs (cont'd Page 201)

I. RECREATION LAND PLANNING & DEVELOPMENT

<u>SHORT TERM</u>		<u>Estimated Cost Range</u>	
1	Monocacy Park Master Plan & Pool Feasibility Study	\$ 65,000.00	\$ 80,000.00
2	City-Wide Comprehensive Neighborhood Park System Master Plan <i>Cost presented is for master planning for all neighborhood parks within the City. Costs will depend on Scope of Work elements required.</i>		
	Northeast Parks (4-5 parks) Central Parks (5 parks) South Parks (5 to 7 parks) West Parks. (7 parks)	\$ 120,000.00	\$ 160,000.00
3	Item 2 to include re-evaluation of identified tracts for recreational purposes		
4	Park Facilities to Consider Including in a Neighborhood Park System <i>Costs provided here represent a wide range of typical development costs. Actual costs which will depend on multiple factors largely determined during the master planning process. This is not a comprehensive list and not all items on this list may be included as part of the final plan.</i>		
	Inclusive Playground	\$ 100,000.00	\$ 2,000,000.00
	Accessibility Improvements	\$ 10,000.00	\$ 500,000.00
	Water Play Facility	\$ 100,000.00	\$ 3,000,000.00
	Passive Park Facilities	\$ 50,000.00	\$ 300,000.00
	Gathering Spaces	\$ 750.00	\$ 250,000.00
	Natural Play Elements	\$ 10,000.00	\$ 100,000.00
	Active Recreation Facility	\$ 50,000.00	\$ 1,000,000.00
5	Pool Rehabilitation <i>Pool Rehabilitation costs will depend on results of the feasibility studies and on Memorial Pool use after renovations</i>		
	(Yosko, West Side and Stark)	\$ 20,000.00	\$ 30,000.00
<u>INTERMEDIATE TERM</u>		<i>Estimated Development Costs. NIC-Engineering and Permitting</i>	
1-3	<i>These actions were part of the 2015 Beth Connects Trails Study. Trail Development costs may be partially borne as part of a park improvement projects, and can be phased.</i>		
	Saucon Park Trails (from Trail Study)	\$ 1,350,000.00	\$ 1,500,000.00
	Monocacy Way (from Trail Study)	\$ 1,000,000.00	\$ 1,400,000.00
	D&L Trail Improvements. Resurface trail through Bethlehem, trim vegetation, provide signs, dedicated parking and safe Main Street crossing	\$ 850,000.00	\$ 925,000.00
4	<i>Costs will vary and should be based on appraisals</i>		
	Consider the purchase of floodplain property to protect water resources		
<u>LONG TERM</u>			
1	Saucon Park Master Planning, Past Planning Review	\$ 35,000.00	\$ 45,000.00

have been provided for some typical facility types that may be proposed during the master planning process. These costs vary greatly depending on the size and scope of the park and anticipated use rates. Not all of these facilities may be proposed for City parks, and some facilities may be proposed that are not included on this list.

The costs for planning are provided as an estimated range. The cost of a single park master plan, written to Pennsylvania DCNR standards, is typically between 35,000 and 50,00 dollars, dependant upon the size and scope of the project. If the City proceeds to incorporate all neighborhood parks as one project, costs will be based on the number of parks included, the number of required meetings and the level of site design and detail requested for each park. The City will define the scope of work in a Master Planning Request for Proposal. All costs can be offset with grant funding.

II. ENVIRONMENT. STORMWATER MANAGEMENT			
<u>SHORT TERM</u>		<u>Estimated Cost Range</u>	
1	Riparian Buffer Study. Saucon and Monocacy Creeks	\$ 35,000.00	\$ 50,000.00
2	Hydrology Study, Yellis Tract	\$ 30,000.00	\$ 35,000.00
<u>INTERMEDIATE TERM</u>			
1	<i>Task will be part of overall master planning for City neighborhood parks</i>	Plan to Eliminate Paving and Reduce Mowing	
2		\$ 15,000.00	\$ 25,000.00

III. RECREATION FACILITIES, BUILDINGS & POOLS

<u>SHORT TERM</u>			
1	<i>Costs will be borne by City for labor and materials at current labor and materials rates.</i>	Make Repairs and Correct for all Safety Concerns at all Park playgrounds, sports facilities and buildings. First addressing safety, code violations and liability issues	
<u>INTERMEDIATE TERM</u>			
1	<i>Costs for minor work may be borne by City labor and materials. Extensive repairs should be advised by architectural consultant.</i>	Secondary Repairs for City Park Buildings. Issues where there is structural damage that does not pose immediate risk to the public and does not violate current codes	
2	<i>Conduct this assessment with architectural consultant as part of riparian buffer study</i>	Masonry assessment as part of Riparian Buffer Study. Assess walls along Lehigh for stability and resolve access issues.	
		\$ 35,000.00	\$ 50,000.00
3	<i>Costs dependant on recommendations determined during park master planning evaluations.</i>	Remove or repurpose buildings not in use or of limited use.	

IV. PROGRAMMING

Costs for recommended actions will be incurred as part of typical Recreation Department responsibilities at typical City employee rates

V. STAFFING AND OPERATIONS

Costs for recommended actions will be determined by city budget and need for part time employees

Recommended costs for training will be offset by benefits of employee investment which have been well documented

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The following tables represent work recommended to be completed for buildings in City parks. The work is shown in two columns. Primary needs are safety or code violations; and secondary needs are required to keep the buildings from deterioration.

CITY PARK BUILDINGS	PRIMARY NEEDS	SECONDARY NEEDS	TOTAL COST
CENTRAL BETHLEHEM PARKS			
ELMWOOD PARK			
Repair degraded pointing (\$4/SF)	1,000.00		
Replace Roofing (\$5/SF)	2,500.00		
Replace missing gutter and downspouts (\$6/LF)	800.00		
Parge and seal foundation (\$5/LF)	1,200.00		
Repair damaged flashing	500.00		
Install fluorescent lamp sleeves(\$10/lamp)	100.00		6,100.00
Replace rotted trim boards (\$8/LF)		3,000.00	
Repair damaged exterior lighting fixtures		500.00	
Install insect screens on piping		250.00	
Repaint all exterior		2,000.00	
ADA sign package		1,500.00	7,250.00
		TOTAL	\$ 13,350.00
FRIENDSHIP PARK			
Replace outlets with GFCI (\$300/outlet)	1,200.00		
Install proper transaction window	2,000.00		
Repair missing mortar joints	500.00		3,700.00
Replace man doors (\$1,000/door)		1,000.00	
Replace coping along roof edge		750.00	
replace counter top		500.00	
Repair and seal around foundation		500.00	
ADA sign package		1,500.00	4,250.00
		TOTAL	\$ 7,950.00
SAND ISLAND-TENNIS BUILDING COURT SIDE			
Forensic investigation of foundation issues	10,000.00		
Replace rotted trim boards (\$8/LF)	1,800.00		
Repair areas of damaged siding	4,000.00		
Replace Roofing (\$5/SF)	24,000.00		
Replace outlets with GFCI (\$300/outlet)	3,000.00		
Repair areas of grading with positive pitch (\$3/SF)	6,000.00		
Repair missing stone work and mortar joints	16,000.00		64,800.00
Update Toilet rooms (ADA Compliant- \$3,500/fixture)		42,000.00	
Repair damaged exterior lighting fixtures		2,000.00	
Replace damaged windows (\$750/window)		3,750.00	
Install insect screen on piping		500.00	
Repair interior finishes		7,000.00	
ADA sign package		1,500.00	
Repair exposed areas of foundation (parge and seal)		13,200.00	
Paint exterior		60,000.00	129,950.00
		TOTAL	\$ 194,750.00
SAND ISLAND-TENNIS BUILDING PUBLIC TOILET ROOM			
Replace rotted trim boards (\$8/LF)	2,000.00		
Repair areas of damaged siding	1,000.00		
Replace outlets with GFCI (\$300/outlet)	1,200.00		
Remove overgrown plants around transformer	1,000.00		5,200.00
Repair damaged exterior lighting fixtures		1,000.00	
Replace damaged windows (\$750/window)		3,000.00	
ADA sign package		1,500.00	5,500.00
		TOTAL	\$ 10,700.00
ICE HOUSE			
Replace man doors (\$1,000/door)	2,000.00		
Replace portions of damaged façade (\$4/SF)	4,500.00		
Repair entrance ADA ramp and railing	4,000.00		
Repair entrance stair	1,000.00		
Install proper ADA piping covers	2,000.00		
Investigate ceiling leaks	1,000.00		14,500.00
Paint existing façade (3/SF)		34,000.00	
Repair broken exterior lighting		4,000.00	
ADA sign package		1,500.00	39,500.00
		TOTAL	\$ 54,000.00

Comprehensive Parks & Pools Study

The City will need to determine during the planning process how a building is used and if it is valuable enough to merit repair, or renovation. Some buildings that are boarded now, if not reusable, might be best demolished. Other buildings with toilet rooms that are only used for storage, would not need ADA compliance upgrades.

NORTHEAST BETHLEHEM PARKS			
BERNIE FRITZ			
Replace electrical equipment	5,000.00	-	
Replace Roofing (\$5/SF)	4,500.00	-	
Seal Cavities in wall	4,000.00	-	
Update Toilet rooms (ADA Compliant- \$3,500/fixture)	28,000.00	-	41,500.00
Replace Overhead door (\$3,000/door)	-	3,000.00	
.Replace rotted trim boards (\$8/LF)	-	1,000.00	
Replace man doors (\$1,000/door)	-	3,000.00	
Parge and seal foundation (\$5/LF)	-	2,700.00	
ADA sign package	-	1,500.00	12,700.00
Recess tripping hazards	-	1,500.00	
		TOTAL	\$ 54,200.00
STARK POOL BUILDING			
Replace rotted trim boards (\$8/LF)	1,000.00		
Replace electrical equipment	5,000.00		
Replace man doors (\$1,000/door)	5,000.00		
Repair areas of damaged façade	1,000.00		
Replace Roofing (\$5/SF)	6,500.00		
Replace outlets with GFCI (\$300/outlet)	3,000.00		
Repair areas of grading with positive pitch (\$3/SF)	3,000.00		
Install fluorescent lamp sleeves(\$10/lamp)	300.00		19,800.00
Update Toilet rooms (ADA Compliant- \$3,500/fixture)		42,000.00	
Repair damaged exterior lighting		500.00	
Replace damaged windows (\$750/window)		4,500.00	
Install insect screens on piping		500.00	
Repair interior finishes		8,000.00	
ADA sign package		1,500.00	
Paint exterior façade		4,000.00	
Repair and damaged areas of foundation		1,200.00	62,200.00
		TOTAL	\$ 82,000.00
ILLICKS MILL			
Replace rotted or damaged structural members	1,500.00		
Replace areas of rotted roof decking	6,200.00		
.Replace rotted trim boards (\$8/LF)	5,000.00		
Replace outlets with GFCI (\$300/outlet)	3,000.00		
Update Toilet rooms (ADA Compliant- \$3,500/fixture)	In progress		
Repair missing stone work and mortar joints	8,000.00		23,700.00
Paint or remove graffiti		24,000.00	
Replace man doors damaged		3,000.00	
Recess tripping hazards		1,500.00	
ADA sign package		1,500.00	30,000.00
		TOTAL	\$ 53,700.00
ICE RINK			
Repair areas of damaged siding	12,000.00		
Repair areas of damaged CMU	4,000.00		
Replace missing gutter and downspouts (\$6/LF)	5,000.00		
Replace outlets with GFCI (\$300/outlet)	3,000.00		
Update Toilet rooms (ADA Compliant- \$3,500/fixture)	70,000.00		
Repair damages or subsidence's along foundation	10,000.00		
Replace rotted trim boards (\$8/LF)	3,400.00		
Install fluorescent lamp sleeves(\$10/lamp)	1,000.00		108,400.00
Paint ice rink steel		60,000.00	
Replace vinyl insulation backer		45,000.00	
Replace doors and hardware		10,000.00	
Label and/or cover exposed piping		3,000.00	
Install new windscreen		10,000.00	
ADA sign package		1,500.00	129,500.00
Does not include cosmetic facelift, tmec coating for steel, or automated screen		TOTAL	\$ 237,900.00

The estimate for the Memorial Pool Building is included in the Monocacy Complex Estimate.

CITY OF BETHLEHEM

SOUTH BETHLEHEM PARKS			
YOSKO POOL BUILDING			
Replace rotted trim boards (\$8/LF)	1,000.00		
Replace Roofing (\$5/SF)	8,000.00		
Replace outlets with GFCI (\$300/outlet)	3,000.00		
Repair stairs to lower level	7,000.00		
Replace man doors (\$1,000/door)	9,000.00		
Replace damaged windows (\$750/window)	3,000.00		
Asbestos evaluations	1,500.00		32,500.00
Update Toilet rooms (ADA Compliant- \$3,500/fixture)		80,000.00	
Repair damaged exterior lighting fixtures		1,000.00	
Replace interior finishes		40,000.00	
ADA sign package		1,500.00	
Paint exterior		5,000.00	
Repair exposed areas of foundation and walkway		2,000.00	129,500.00
		TOTAL	\$ 162,000.00
SOUTH MOUNTAIN TOILETS AND PAVILIONS			
Replace damaged or rotted structural members	10,000.00		
Replace rotted trim boards (\$8/LF)	3,200.00		
Repair areas of damaged façade	5,000.00		
Repair missing bricks/stone work and mortar joints	4,800.00		
Replace outlets with GFCI (\$300/outlet)	2,400.00		
Repair areas of grading with positive pitch (\$3/SF)	3,000.00		
Repair leaks in pipe chase	5,000.00		33,400.00
Update Toilet rooms (ADA Compliant- \$3,500/fixture)		42,000.00	
Repair damaged exterior lighting		1,500.00	
Replace damaged windows (\$750/window)		7,500.00	
Install insect screens on piping		500.00	
Update ramp to be ADA compliant (\$35/SF)		5,000.00	
ADA sign package		1,500.00	
Paint exterior façade		10,500.00	68,500.00
		TOTAL	\$ 101,900.00
SAUCON PARK PAVILIONS			
Replace damaged or rotted structural members	2,500.00		
Replace edge of rotted roof decking	2,000.00		
Replace rotted trim boards (\$8/LF)	2,400.00		
Replace outlets with GFCI (\$300/outlet)	2,400.00		
Repair missing bricks/stone work and mortar joints	4,000.00		
Demolition of pavilion	2,000.00		15,300.00
Paint or remove graffiti		3,000.00	
ADA sign package		1,500.00	
Repair or replace damaged concrete picnic tables		5,000.00	
Remove tripping hazards		1,500.00	11,000.00
		TOTAL	\$ 26,300.00
SAUCON FIRE LANE			
Repair missing bricks/stone work and mortar joints	4,000.00		
Replace rotted trim boards (\$8/LF)	1,500.00		5,500.00
Paint or remove graffiti		1,800.00	
replace overhead door jambs		1,000.00	2,800.00
		TOTAL	\$ 8,300.00
SAUCON PARK OLD TOILET BUILDING			
Repair missing bricks/stone work and mortar joints	2,000.00		
Replace rotted trim boards (\$8/LF)	1,600.00		3,600.00
Replace damaged man doors		2,000.00	
ADA sign package		1,500.00	
Paint exterior façade		2,500.00	
Repair broken electrical conduit		500.00	6,500.00
		TOTAL	\$ 10,100.00
SAUCON ROLL TOP TOILET ROOMS			
Repair damaged fascia and soffit	800.00		
Repair areas of grading with positive pitch (\$3/SF)	1,200.00		
Install ADA compliant accessories	3,500.00		5,500.00
Paint all interior walls and ceilings		2,500.00	
ADA sign package		1,500.00	
Paint exterior		2,500.00	6,500.00
		TOTAL	\$ 12,000.00
SAUCON PARK TOILET ON WILLIAMS STREET			
Replace rotted trim boards (\$8/LF)	1,200.00		
Repair areas of damaged façade	1,600.00		
Replace outlets with GFCI (\$300/outlet)	1,200.00		
Repair areas of grading with positive pitch (\$3/SF)	1,200.00		5,200.00
Update Toilet rooms (ADA Compliant- \$3,500/fixture)		21,000.00	
Repair damaged exterior lighting		500.00	
Paint exterior façade		2,000.00	
Repair and damaged areas of foundation		1,000.00	
ADA sign package		1,500.00	26,000.00
		TOTAL	\$ 31,200.00

Comprehensive Parks & Pools Study

WEST BETHLEHEM PARKS			
CLEARVIEW POOL BUILDING			
Replace electrical equipment	10,000.00		
Replace Roofing (\$5/SF)	8,500.00		
Assess existing foundation issues	7,500.00		
Update Toilet rooms (ADA Compliant- \$3,500/fixture)	35,000.00		61,000.00
.Replace rotted trim boards (\$8/LF)		2,000.00	
Replace man doors (\$1,000/door)		6,000.00	
Parge and seal foundation (\$5/LF)		4,500.00	
Recess tripping hazards		3,000.00	
Replace damaged windows (\$750/window)		7,500.00	
Repair interior cosmetic damage to wall (\$2/SF)		10,000.00	
ADA sign package		1,500.00	
Replace areas of damaged fencing		3,000.00	37,500.00
		TOTAL	\$ 98,500.00
KINGS MANSION			
Repair areas of damaged façade	1,000.00		
Repair areas of grading with positive pitch (\$3/SF)	1,500.00		
Replace Roofing (\$5/SF)	10,000.00		
.Replace rotted trim boards (\$8/LF)	1,300.00		13,800.00
Paint façade		5,000.00	
Replace missing gutter and downspouts (\$6/LF)		1,400.00	
Replace damaged man doors		5,000.00	
ADA sign package		1,500.00	12,900.00
		TOTAL	\$ 26,700.00
D.A.R. HOUSE AT THE ROSE GARDEN			
Replace failing log construction (\$100/sf)	72,000.00		
Replace Roofing (\$5/SF)	12,500.00		
Replace missing gutter and downspouts (\$6/LF)	2,100.00		
Parge and seal foundation (\$5/LF)	1,800.00		
Repair areas of grading with positive pitch (\$3/SF)	3,000.00		
Repair damaged flashing	1,050.00		92,450.00
.Replace rotted trim boards (\$8/LF)		2,800.00	
Repair damaged exterior lighting fixtures		2,000.00	
Replace damaged windows (\$750/window)		1,500.00	
Install insect screens on piping		1,000.00	
Update ramp to be ADA compliant (\$35/SF)		4,400.00	
Update Toilet rooms (ADA Compliant- \$3,500/fixture)		14,000.00	
Repaint all exterior		9,000.00	
ADA sign package		1,500.00	36,200.00
		TOTAL	\$ 128,650.00
BAND STAND AT THE ROSE GARDEN			
Replace outlets with GFCI (\$300/outlet)	1,800.00		
Replace missing gutter and downspouts (\$6/LF)	1,500.00		
Parge and seal foundation (\$5/LF)	1,500.00		
Repair areas of grading with positive pitch (\$3/SF)	4,500.00		
Repair degraded pointing (\$4/SF)	4,000.00		13,300.00
.Replace rotted trim boards (\$8/LF)		2,000.00	
Repair damaged exterior lighting fixtures		1,000.00	
Repair cracks and seal surface		3,200.00	
Remove hazards		4,000.00	
ADA sign package		1,500.00	
Provide splash blocks		500.00	
Repair cosmetic damage		3,200.00	11,400.00
		TOTAL	\$ 24,700.00
WEST SIDE POOL BUILDING			
Replace damaged or rotted structural members	8,000.00		
Replace rotted trim boards (\$8/LF)	3,500.00		
Repair areas of damaged siding	10,000.00		
Replace Roofing (\$5/SF)	15,000.00		
Replace outlets with GFCI (\$300/outlet)	2,400.00		
Replace electrical equipment	5,000.00		43,900.00
Update Toilet rooms (ADA Compliant- \$3,500/fixture)		50,000.00	
Repair damaged exterior lighting fixtures		1,000.00	
Replace damaged windows (\$750/window)		3,000.00	
Install insect screen on piping		500.00	
Replace interior finishes		20,000.00	
ADA sign package		1,500.00	
Paint exterior		50,000.00	
Repair exposed areas of foundation and walkway		5,000.00	131,000.00
		TOTAL	\$ 174,900.00

