TACONY CREEK PARK
+/- 312.5 acres
City of Philadelphia, PA

Disclaimer: This map is not a survey. The information imparted with this map is meant to assist Natural Lands Trust, Inc., describe the placement of certain retained, reserved, or excluded rights and to calculate acreage figures. Property boundaries, while approximate, were established using the best available information, which may have included: surveys, tax maps, field mapping using G.P.S., and/or orthophotos. Natural Lands Trust, Inc., makes no representation as to the accuracy of said property lines (or any other lines), and no liability is assumed by reason of reliance hereon. Use of this map for other than its intended purpose requires the written consent of Natural Lands Trust, Inc.

1. Parcels from Philadelphia County.
2. Historical aerial imagery from PennPilot (www.pennpilot.psu.edu).

Compiled By: MEB 05/26/2021

appendix a: inventory and analysis
TACONY CREEK PARK
+/- 312.5 acres
City of Philadelphia, PA
Historical Imagery (1958)

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1. Parcels from Philadelphia County.
2. Historical aerial imagery from PennPilot (www.pennpilot.psu.edu).

Compiled By: MEB 05/26/2021

appendix a: inventory and analysis
appendix a: inventory and analysis
1. Parcels, roadways, and aerial imagery from the City of Philadelphia.

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appendix a: inventory and analysis
appendix a: inventory and analysis
appendix a: inventory and analysis
Topography/Hydrology

**TACONY CREEK PARK**
+/- 312.5 acres
City of Philadelphia, PA

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1. Parcels from Philadelphia County.
2. Contours and slopes from LiDAR data, PA MAP Program, DCNR.
3. Hydric soils from USDA-NRCS.
4. Floodplains from FEMA.
5. Wetlands from the National Wetlands Inventory.

Compiled By: MEB 05/26/2021

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Natural Lands
1721 Partners SE/BE Road, Media, PA 19063
610.503.5587 | naturallands.org

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**Legend**
- **Tacony Creek Park**
- **Waterways**
- **Contours (5ft interval)**
- **Hydric Soils**
- **Wetlands**
- **Floodplains**
appendix a: inventory and analysis
appendix a: inventory and analysis

TACONY CREEK PARK
SHORT DUMPING LOCATIONS

January 23, 2023
TACONY CREEK PARK
MASTER PLAN - SECTOR MAP

SECTOR A
- 56 Acres
- Serving Lawncrest, Olney, and Oak Lane

SECTOR B
- 60 Acres
- Serving Lawncrest and Olney

SECTOR C
- 56 Acres
- Serving Feltonville, Juniata Park, and Northwood

SECTOR D
- 125 Acres
- Serving Juniata Park, Northwood, and Frankford

ALL SECTORS
- 304 acres
- 3.2 miles of trails

December 22, 2023

appendix b: master plan
TACONY CREEK PARK
MASTER PLAN - SECTOR A

Improving Gateway
- Clear back invasive vegetation.
- Install new welcome signage.
- Install bollards.
- Install seating.
- Install anti-dumping signage.
- Install lighting.

Formalizing Eastern Trail Section and improving trail surface to meet Circuit Standards.

Pavilion with maintenance storage, security cameras & lighting, restrooms, and seating; picnic tables & interpretive signage.

Install sidewalk or asphalt pathway along Hammond Ave.

Install security cameras at fields.

Install directional signage to connect ballfields, Rec Center, and trail.

Enhance Crosswalk
- Install GSI curb bumpouts.
- Repaint crosswalks.
- Install directional signage and mile markers.
- Install anti-dumping signage and security cameras.

Install anti-dumping fencing and signage.

Install underpass lighting.

Create separated pedestrian lane.

Install security camera.

Install anti-dumping fencing and signage.

Enhance Newtown Ave Connection
- Clear back invasive vegetation.
- Install underpass.
- Create separated pedestrian lane.
- Install security camera.
- Install Anti-Dumping Fencing and Signage.

Remove Broken Benches and Install New Benches along interior trail.

Install directional signage to connect ballfields, Rec Center, and trail.

Connect Loop Trail to Creek Trail.

Install directional signage and mile markers.

Install security cameras at fields.

Install sidewalk or asphalt pathway along Hammond Ave.

Install anti-dumping fencing and signage.

Enhance Newtownd Avenue Connection
- Clear back invasive vegetation.
- Install underpass.
- Create separated pedestrian lane.
- Install security camera.
- Install Anti-Dumping Fencing and Signage.

Enhance Crosswalk
- Install GSI curb bumpouts.
- Repaint crosswalks.
- Install directional signage and mile markers.
- Install anti-dumping signage and security cameras.

Install anti-dumping fencing and signage.

Install underpass lighting.

Create separated pedestrian lane.

Install security camera.

Install anti-dumping fencing and signage.

Enhance Newtown Ave Connection
- Clear back invasive vegetation.
- Install underpass.
- Create separated pedestrian lane.
- Install security camera.
- Install Anti-Dumping Fencing and Signage.

Enhance Crosswalk
- Install GSI curb bumpouts.
- Repaint crosswalks.
- Install directional signage and mile markers.
- Install anti-dumping signage and security cameras.

Install anti-dumping fencing and signage.

Install underpass lighting.

Create separated pedestrian lane.

Install security camera.

Install anti-dumping fencing and signage.

Enhance Newtown Ave Connection
- Clear back invasive vegetation.
- Install underpass.
- Create separated pedestrian lane.
- Install security camera.
- Install Anti-Dumping Fencing and Signage.

Enhance Crosswalk
- Install GSI curb bumpouts.
- Repaint crosswalks.
- Install directional signage and mile markers.
- Install anti-dumping signage and security cameras.

Install anti-dumping fencing and signage.

Install underpass lighting.

Create separated pedestrian lane.

Install security camera.

Install anti-dumping fencing and signage.

Enhance Newtown Ave Connection
- Clear back invasive vegetation.
- Install underpass.
- Create separated pedestrian lane.
- Install security camera.
- Install Anti-Dumping Fencing and Signage.

Enhance Crosswalk
- Install GSI curb bumpouts.
- Repaint crosswalks.
- Install directional signage and mile markers.
- Install anti-dumping signage and security cameras.

Install anti-dumping fencing and signage.

Install underpass lighting.

Create separated pedestrian lane.

Install security camera.

Install anti-dumping fencing and signage.

Enhance Newtown Ave Connection
- Clear back invasive vegetation.
- Install underpass.
- Create separated pedestrian lane.
- Install security camera.
- Install Anti-Dumping Fencing and Signage.

Enhance Crosswalk
- Install GSI curb bumpouts.
- Repaint crosswalks.
- Install directional signage and mile markers.
- Install anti-dumping signage and security cameras.

Install anti-dumping fencing and signage.

Install underpass lighting.

Create separated pedestrian lane.

Install security camera.

Install anti-dumping fencing and signage.

Enhance Newtown Ave Connection
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- Install Anti-Dumping Fencing and Signage.

Enhance Crosswalk
- Install GSI curb bumpouts.
- Repaint crosswalks.
- Install directional signage and mile markers.
- Install anti-dumping signage and security cameras.

Install anti-dumping fencing and signage.

Install underpass lighting.

Create separated pedestrian lane.

Install security camera.

Install anti-dumping fencing and signage.

Enhance Newtown Ave Connection
- Clear back invasive vegetation.
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- Create separated pedestrian lane.
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Enhance Crosswalk
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Install anti-dumping fencing and signage.

Install underpass lighting.

Create separated pedestrian lane.

Install security camera.

Install anti-dumping fencing and signage.

Enhance Newtown Ave Connection
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Enhance Crosswalk
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Install anti-dumping fencing and signage.

Install underpass lighting.

Create separated pedestrian lane.

Install security camera.

Install anti-dumping fencing and signage.

Enhance Newtown Ave Connection
- Clear back invasive vegetation.
- Install underpass.
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- Install security camera.
- Install Anti-Dumping Fencing and Signage.

Enhance Crosswalk
- Install GSI curb bumpouts.
- Repaint crosswalks.
- Install directional signage and mile markers.
- Install anti-dumping signage and security cameras.

Install anti-dumping fencing and signage.

Install underpass lighting.

Create separated pedestrian lane.

Install security camera.

Install anti-dumping fencing and signage.

Enhance Newtown Ave Connection
- Clear back invasive vegetation.
- Install underpass.
- Create separated pedestrian lane.
- Install security camera.
- Install Anti-Dumping Fencing and Signage.

Enhance Crosswalk
- Install GSI curb bumpouts.
- Repaint crosswalks.
- Install directional signage and mile markers.
- Install anti-dumping signage and security cameras.

Install anti-dumping fencing and signage.

Install underpass lighting.

Create separated pedestrian lane.

Install security camera.

Install anti-dumping fencing and signage.

Enhance Newtown Ave Connection
- Clear back invasive vegetation.
- Install underpass.
- Create separated pedestrian lane.
- Install security camera.
- Install Anti-Dumping Fencing and Signage.

Enhance Crosswalk
- Install GSI curb bumpouts.
- Repaint crosswalks.
- Install directional signage and mile markers.
- Install anti-dumping signage and security cameras.

Install anti-dumping fencing and signage.

Install underpass lighting.

Create separated pedestrian lane.

Install security camera.

Install anti-dumping fencing and signage.

Enhance Newtown Ave Connection
- Clear back invasive vegetation.
- Install underpass.
- Create separated pedestrian lane.
- Install security camera.
- Install Anti-Dumping Fencing and Signage.

Enhance Crosswalk
- Install GSI curb bumpouts.
- Repaint crosswalks.
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- Install anti-dumping signage and security cameras.

Install anti-dumping fencing and signage.

Install underpass lighting.

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Install security camera.

Install anti-dumping fencing and signage.

Enhance Newtown Ave Connection
- Clear back invasive vegetation.
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- Install Anti-Dumping Fencing and Signage.

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- Install GSI curb bumpouts.
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Install anti-dumping fencing and signage.

Install underpass lighting.

Create separated pedestrian lane.

Install security camera.

Install anti-dumping fencing and signage.

Enhance Newtown Ave Connection
- Clear back invasive vegetation.
- Install underpass.
- Create separated pedestrian lane.
- Install security camera.
- Install Anti-Dumping Fencing and Signage.

Enhance Crosswalk
- Install GSI curb bumpouts.
- Repaint crosswalks.
- Install directional signage and mile markers.
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Install anti-dumping fencing and signage.

Install underpass lighting.

Create separated pedestrian lane.

Install security camera.

Install anti-dumping fencing and signage.

Enhance Newtown Ave Connection
- Clear back invasive vegetation.
- Install underpass.
- Create separated pedestrian lane.
- Install security camera.
- Install Anti-Dumping Fencing and Signage.

Enhance Crosswalk
- Install GSI curb bumpouts.
- Repaint crosswalks.
- Install directional signage and mile markers.
- Install anti-dumping signage and security cameras.

Install anti-dumping fencing and signage.

Install underpass lighting.

Create separated pedestrian lane.

Install security camera.

Install anti-dumping fencing and signage.
COORDINATE WITH PHA FOR TRAIL CONNECTION IN FUTURE SITE DEVELOPMENT

CONNECT EXISTING SEATING AREA TO PARK INTERIOR

INSTALL SECURITY CAMERAS AND ANTI-DUMPING SIGNAGE

REMOVE DISUSED COURT AND INSTALL PARKING ON FENCING

IMPROVE EXISTING BASKETBALL COURTS WITH FENCING, LIGHTING, SECURITY CAMERAS

REPAIR BACKSTOP AND INSTALL GS

INSTALL BOLLARDS AND ANTI-DUMPING SIGNAGE

ENHANCE EXISTING SPORT COURTS TO MAIN TRAIL

INSTALL BOLLARDS AND ANTI-DUMPING SIGNAGE

ENHANCE CEDAR GROVE AREA WITH INTERPRETIVE SIGNAGE, BENCHES, AND TREES

ENHANCE NEIGHBORHOOD CONNECTIONS WITH CROSSWALKS AND STREET TREES

PAVILION WITH MAINTENANCE STORAGE, SECURITY CAMERAS, LIGHTING, RESTROOMS, AND SEATING; NATURAL SURFACE WALKING LOOP TRAIL, BENCHES, DOG RUN, VOLLEYBALL COURT

INSTALL ASPHALT TRAIL AND BOLLARDS ALONG PARK SIDE OF BINGHAM ST/EAST OLNEY AVE

INSTALL BOLLARDS AND ANTI-DUMPING SIGNAGE

ENHANCE FLOODPLAIN RESTORATION AREA (PWD)

DAYTIME UNDERPASS LIGHTING

INSTALL NATIVE TREES, SHRUBS, AND BENCHES

PICNIC AREA - NEW SITE FURNITURE, SECURITY CAMERAS

INSTALL ADULT FITNESS AREA

IMPROVE EXISTING BASKETBALL COURTS WITH FENCING, LIGHTING, SECURITY CAMERAS
TACONY CREEK PARK
MASTER PLAN - SECTOR C

ENHANCE ENTRANCE WITH SEATING, SIGNAGE, GSI (PWD), BOLLARDS, AND SECURITY CAMERAS

STREAMBANK RESTORATION AREA (PWD)

ENGAGE PECO ON EASEMENT FENCING

COORDINATE WITH STREETS DEPT TO RESTORE FISHERS’ LANE BRIDGE, FORMALIZE CONNECTION TO FRIENDS HOSPITAL OPEN SPACE TRAILS

INSTALL GSI CURB BUMPOUTS, STREET TREES

SEATING AREA, GSI (PWD), PARKING, INTERPRETIVE SIGNAGE, SECURITY CAMERAS, LIGHTING

MEADOW LOOP TRAIL, INTERPRETIVE SIGNAGE

COORDINATE WITH STREETS DEPT TO RESTORE FISHERS’ LANE BRIDGE, FORMALIZE CONNECTION TO FRIENDS HOSPITAL OPEN SPACE TRAILS

ENHANCE SPORTS FIELDS WITH TREES AND PAVILLION, PARKING, SECURITY CAMERAS

DRIVING RANGE (PRIVATELY OWNED)

EASEMENT FENCING

DECEMBER 22, 2023

appaendix b: master plan
**TACONY CREEK PARK**

**MASTER PLAN - SECTOR D**

**ENHANCE GATEWAY**
- Install new welcome signage
- Install anti-dumping signage
- Install lighting
- Install security cameras

**DRIVING RANGE** (PRIVATELY OWNED)

**UPDATES TO THE JUNIATA GOLF COURSE PLAN**
- Improve trail connection from Ferko Playground to Ramona Avenue Trailhead
- Standardize wayfinding between TCP Trail and Frankford Greenway

**KEY**
- Access Point
- Bus Stop
- Existing Trail
- Proposed Trail Extension
- On-Street Trail
- Link to Frankford Greenway
- Proposed Shade/Streets Trees
- Proposed GSI
- Anti-Dumping Fencing
- Proposed Sector Boundary

**INSTALL NEW CROSSWALK**

**INSTALL BANNERS ALONG I STREET & EAST CAYUGA**

**INSTALL NEW WAYFINDING BETWEEN TCP TRAIL AND FRANKFORD GREENWAY**

**December 22, 2023**
<table>
<thead>
<tr>
<th>Sector</th>
<th>Segment Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Cheltenham Avenue to Rising Sun Avenue</td>
<td>$3,250,000</td>
</tr>
<tr>
<td>B</td>
<td>Rising Sun Avenue to Roosevelt Boulevard</td>
<td>$4,000,000</td>
</tr>
<tr>
<td>C</td>
<td>Roosevelt Boulevard to Wyoming Avenue</td>
<td>$1,500,000</td>
</tr>
<tr>
<td>D</td>
<td>Wyoming Avenue to East Cayuga Street</td>
<td>$2,000,000</td>
</tr>
<tr>
<td></td>
<td><strong>Total (Sector A - D)</strong></td>
<td><strong>$10,750,000</strong></td>
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</table>
## Appendix C: Cost Estimate - Sector A

<table>
<thead>
<tr>
<th>Description</th>
<th>Length (ft)</th>
<th>Width (ft)</th>
<th>Depth (ft)</th>
<th>Quantity</th>
<th>Unit Cost/Unit</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Picnic Tables</td>
<td>4</td>
<td>Each</td>
<td></td>
<td></td>
<td>$1,300</td>
<td>$5,200</td>
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<tr>
<td>GSI Curb Bumpouts</td>
<td>4</td>
<td>Each</td>
<td></td>
<td></td>
<td>$8,000</td>
<td>$32,000</td>
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<tr>
<td>Field Survey</td>
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<td></td>
<td></td>
<td></td>
<td>$1,000</td>
<td>$1,000</td>
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<tr>
<td>Restroom at Pavilion</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$30,000</td>
<td>$30,000</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$3,212,181</td>
<td>$3,212,181</td>
</tr>
</tbody>
</table>

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### Light Standard (3 lamps)
- 2 Each: $9,000 ($18,000)

### Welcome Sign
- 1 Each: $6,500 ($6,500)

### Picnic Tables
- 4 Each: $1,300 ($5,200)

### Security Cameras
- 1 Each: $2,500 ($2,500)

### Pavement, Restroom & Maintenance Building
- 25’x50’ CMU building (2 LS): $600,000 ($600,000)

### Newtown Avenue Connection
- Superpave Asphalt Mixture Design, Wearing Course, PG 64-22, < 0.3 Million Esals, 9.5 mm Mix, 1-1/2” Depth, SRL-H: 4710 10 5236 SF $20 $104,720
- Superpave Asphalt Mixture Design, Base Course, PG 64-22, < 0.3 Million Esals, 25.0 mm Mix, 3” Depth: 4710 10 5236 SF $35 $130,830
- Subbase, 6” Depth: 4710 10 5236 SF $40 $19,200
- Excavation: 4710 10 0.2500 CY $40 $10,000
- Gravel, Class A, Type B: 4110 10 5236 SF $30 $91,000
- Crushed stone, self-compacted, Formula B: 1250 10 5236 SY $15 $78,500
- Place crushed stone: 1250 4 0.5000 CY $50 $3,056

### Roadway/Path improvements
- Trail around Ballfields: 2100 SF $150 $315,000
- Drainage: Cross pipes, end sections, swales, along trail: LS $100,000 $100,000
- Picnic Tables at Pavilion: Heavy-duty commercial picnic tables: 5 Each: $1,500 ($7,500)

### Restore and Recreate
- Clearing of vegetation: 1 LS $1,000 ($1,000)
- Benches: 3 Each: $1,500 ($4,500)
- Bollards: 8 Each: $400 ($3,200)

### Field Survey
- 1 Each: $1,000 ($1,000)
<table>
<thead>
<tr>
<th>Section B</th>
<th>Tacony-Coraqu Park Master Plan</th>
<th>Order of Magnitude Cost Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Park Feature</td>
<td>Description</td>
<td>Length (ft)</td>
</tr>
<tr>
<td><strong>Park Banners</strong></td>
<td>19½&quot; x 36&quot; vinyl banners, pole mounted with 2 bracket arms</td>
<td></td>
</tr>
<tr>
<td><strong>Rising Sun Ave. Bridge Replacement</strong></td>
<td>Cameras</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Light Standard (3 lamp)</td>
<td>3</td>
</tr>
<tr>
<td><strong>Anti-dumping signage</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Trail Section (Converging Sealing Park Interior) - 9’ Shared Use Path, asphalt surface</strong></td>
<td>Supervene Asphalt Mixture Design, Wearing Course, PG64-22, &lt; 0.3 Million Stdu, 9-4.25% 1-1/2” Depth, SRL-H</td>
<td>515</td>
</tr>
<tr>
<td></td>
<td>Supervene Asphalt Mixture Design, Base Course, PG64-22, &lt; 0.3 Million Stdu, 9-4.25% 1-1/2” Depth, SRL-H</td>
<td>515</td>
</tr>
<tr>
<td></td>
<td>Subbase 6’ Depth (No. 2A)</td>
<td>515</td>
</tr>
<tr>
<td></td>
<td>Excavation</td>
<td>515</td>
</tr>
<tr>
<td></td>
<td>Geotextile, Class 4 Type A</td>
<td>515</td>
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<tr>
<td><strong>Trail Replacement to Circuit Standard</strong></td>
<td>Supervene Asphalt Mixture Design, Wearing Course, PG64-22, &lt; 0.3 Million Stdu, 9-4.25% 1-1/2” Depth, SRL-H</td>
<td>4470</td>
</tr>
<tr>
<td></td>
<td>Supervene Asphalt Mixture Design, Base Course, PG64-22, &lt; 0.3 Million Stdu, 9-4.25% 1-1/2” Depth, SRL-H</td>
<td>4470</td>
</tr>
<tr>
<td></td>
<td>Subbase 6’ Depth (No. 2A)</td>
<td>4470</td>
</tr>
<tr>
<td></td>
<td>Excavation</td>
<td>4470</td>
</tr>
<tr>
<td></td>
<td>Geotextile, Class 4 Type A</td>
<td>4470</td>
</tr>
<tr>
<td><strong>Pavilion, Restroom and Maintenance Bldg</strong></td>
<td>20x50’ DOB building</td>
<td>1</td>
</tr>
<tr>
<td><strong>Picnic Tables at Pavilion</strong></td>
<td>Heavy duty, commercial picnic tables</td>
<td>5</td>
</tr>
<tr>
<td><strong>Wood Chip Trail</strong></td>
<td>Sand chip 4’ wide (using onsite cleared trees)</td>
<td>3130</td>
</tr>
<tr>
<td><strong>Clearing and Grubbing</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Natural surface walking trail</strong></td>
<td>Crushed Stone</td>
<td>1100</td>
</tr>
<tr>
<td></td>
<td>Excavation</td>
<td>1100</td>
</tr>
<tr>
<td></td>
<td>Geotextile, Class 4 Type A</td>
<td>1100</td>
</tr>
<tr>
<td><strong>Bollards</strong></td>
<td>2 on center</td>
<td>1515</td>
</tr>
<tr>
<td></td>
<td>Install new benches along walking path</td>
<td>12</td>
</tr>
<tr>
<td><strong>Dip Run Fence</strong></td>
<td>4’ height, black and coated, 1”x1” mesh, all-site</td>
<td>400</td>
</tr>
<tr>
<td><strong>neighborhood Connections</strong></td>
<td>Repair Crosswalks (2’ long x 2’ x 11 marks x 6 crossings)</td>
<td>1320</td>
</tr>
<tr>
<td><strong>Street Trees, 2” Caliper</strong></td>
<td>100</td>
<td>Each</td>
</tr>
<tr>
<td><strong>Eastside St Picnic Area</strong></td>
<td>Benches</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Picnic Tables</td>
<td>4</td>
</tr>
<tr>
<td><strong>Baskets 4 Each</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Street Trees, 2” Caliper</td>
<td>12</td>
</tr>
<tr>
<td><strong>Parking</strong></td>
<td>15</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Subbase 6’ Depth (No. 2A)</td>
<td>15</td>
</tr>
<tr>
<td><strong>Trash Wall Repair</strong></td>
<td>1</td>
<td>LS</td>
</tr>
<tr>
<td><strong>North Tabor Rd Picnic Area</strong></td>
<td>Benches</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Picnic Tables</td>
<td>4</td>
</tr>
<tr>
<td><strong>Basketball Courts Lighting, 4 poles 8 lights</strong></td>
<td>1 LS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Trees and Shrubs at F Street</td>
<td>12 Each</td>
</tr>
<tr>
<td></td>
<td>Adult Fitness Area</td>
<td>1 LS</td>
</tr>
<tr>
<td><strong>Traffic Control (1%)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>E&amp;S Controls (5%)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mobilization (5%)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Field Survey</strong></td>
<td>1 LS</td>
<td></td>
</tr>
<tr>
<td><strong>Drainage</strong></td>
<td>Drainage</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Section Total</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Sector C

**Park Feature Description**

<table>
<thead>
<tr>
<th>Length (ft)</th>
<th>Width (ft)</th>
<th>Depth (ft)</th>
<th>Quantity</th>
<th>Unit</th>
<th>Cost/Unit</th>
<th>Total Cost</th>
</tr>
</thead>
</table>

#### Parkway Entrance

- **Park Banners**: 18"x36" vinyl banners, pole mounted with 2 bracket arms
  - **Cost**: $250 each, **Total**: $10,500

#### Amenities

- **Bollards**: 3' on center, 240 each
  - **Cost**: $250 each, **Total**: $60,000

- **GSI /Rain Gardens**: East Louden St.
  - **Cost**: $25 each, **Total**: $250,000

#### Wildlife Connectivity

- **Bridges**: 2 at crossing
  - **Cost**: $5,000 each, **Total**: $10,000

#### Wayfinding Signage

- **Street Trees**: 2" Caliper, 8 each
  - **Cost**: $400 each, **Total**: $3,200

- **Meadow Restoration Seed mix**: 7.1 acres
  - **Cost**: $2,000, **Total**: $14,200

- **Remove invasive vegetation**: 7.1 acres
  - **Cost**: $10,000, **Total**: $71,000

- **Bollards**: 3' on center, 720 each
  - **Cost**: $250 each, **Total**: $60,000

#### Design Elements

- **Bingham St. Parking Lot**: Superpave Asphalt Mixture Design, Wearing Course, PG 64-22, <0.3 Million ESALs, 9.5 mm Mix, 1-1/2" Depth, SRL-H
  - **Cost**: $10,000, **Total**: $10,000

- **Superpave Asphalt Mixture Design, Base Course, PG 64-22, <0.3 Million ESALs, 25.0 mm Mix, 3" Depth**: 450 10 500 SY
  - **Cost**: $12,500, **Total**: $12,500

- **Subbase 6" Depth (No. 2A)**: 450 10 500 SY
  - **Cost**: $7,500, **Total**: $7,500

#### E&S Controls (5%)**

- **Mobilization (5%)**: 1 LS
  - **Cost**: $44,774, **Total**: $44,774

- **Contingency (20%)**: 1 LS
  - **Cost**: $179,097, **Total**: $179,097

#### Construction Inspection (5%)**

- **Construction Inspection**: 1 LS
  - **Cost**: $58,206, **Total**: $58,206

### Order of Magnitude Cost Estimate

- **Total**: $1,220,047

- **E&S Controls (5%)**: 1 LS
  - **Cost**: $61,002, **Total**: $61,002

- **Mobilization (5%)**: 1 LS
  - **Cost**: $61,002, **Total**: $61,002

- **Contingency (20%)**: 1 LS
  - **Cost**: $244,009, **Total**: $244,009

#### Construction Inspection (5%)**

- **Construction Inspection**: 1 LS
  - **Cost**: $61,002, **Total**: $61,002

### Order of Magnitude Cost Estimate

- **Total**: $1,586,061

- **Design, Permits, Bid Package (20%)**: 1 LS
  - **Cost**: $317,212, **Total**: $317,212

- **Construction Inspection (5%)**: 1 LS
  - **Cost**: $61,002, **Total**: $61,002

#### Construction Inspection (5%)**

- **Construction Inspection**: 1 LS
  - **Cost**: $61,002, **Total**: $61,002

### Order of Magnitude Cost Estimate

- **Total**: $1,964,275

- **Design, Permits, Bid Package (20%)**: 1 LS
  - **Cost**: $317,212, **Total**: $317,212

- **Construction Inspection (5%)**: 1 LS
  - **Cost**: $61,002, **Total**: $61,002

#### Construction Inspection (5%)**

- **Construction Inspection**: 1 LS
  - **Cost**: $61,002, **Total**: $61,002

### Order of Magnitude Cost Estimate

- **Total**: $2,000,000

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### Sector D

**Park Feature Description**

<table>
<thead>
<tr>
<th>Length (ft)</th>
<th>Width (ft)</th>
<th>Depth (ft)</th>
<th>Quantity</th>
<th>Unit</th>
<th>Cost/Unit</th>
<th>Total Cost</th>
</tr>
</thead>
</table>

#### Parkway Entrance

- **Park Banners**: 18"x36" vinyl banners, pole mounted with 2 bracket arms
  - **Cost**: $250 each, **Total**: $10,500

#### Amenities

- **Bollards**: 3' on center, 240 each
  - **Cost**: $250 each, **Total**: $60,000

- **GSI /Rain Gardens**: East Louden St.
  - **Cost**: $25 each, **Total**: $250,000

#### Wildlife Connectivity

- **Bridges**: 2 at crossing
  - **Cost**: $5,000 each, **Total**: $10,000

#### Wayfinding Signage

- **Street Trees**: 2" Caliper, 8 each
  - **Cost**: $400 each, **Total**: $3,200

- **Meadow Restoration Seed mix**: 7.1 acres
  - **Cost**: $2,000, **Total**: $14,200

- **Remove invasive vegetation**: 7.1 acres
  - **Cost**: $10,000, **Total**: $71,000

- **Bollards**: 3' on center, 720 each
  - **Cost**: $250 each, **Total**: $60,000

#### Design Elements

- **Bingham St. Parking Lot**: Superpave Asphalt Mixture Design, Wearing Course, PG 64-22, <0.3 Million ESALs, 9.5 mm Mix, 1-1/2" Depth, SRL-H
  - **Cost**: $10,000, **Total**: $10,000

- **Superpave Asphalt Mixture Design, Base Course, PG 64-22, <0.3 Million ESALs, 25.0 mm Mix, 3" Depth**: 450 10 500 SY
  - **Cost**: $12,500, **Total**: $12,500

- **Subbase 6" Depth (No. 2A)**: 450 10 500 SY
  - **Cost**: $7,500, **Total**: $7,500

#### E&S Controls (5%)**

- **Mobilization (5%)**: 1 LS
  - **Cost**: $44,774, **Total**: $44,774

- **Contingency (20%)**: 1 LS
  - **Cost**: $179,097, **Total**: $179,097

#### Construction Inspection (5%)**

- **Construction Inspection**: 1 LS
  - **Cost**: $58,206, **Total**: $58,206

### Order of Magnitude Cost Estimate

- **Total**: $895,483

- **E&S Controls (5%)**: 1 LS
  - **Cost**: $44,774, **Total**: $44,774

- **Mobilization (5%)**: 1 LS
  - **Cost**: $44,774, **Total**: $44,774

- **Contingency (20%)**: 1 LS
  - **Cost**: $179,097, **Total**: $179,097

#### Construction Inspection (5%)**

- **Construction Inspection**: 1 LS
  - **Cost**: $58,206, **Total**: $58,206

### Order of Magnitude Cost Estimate

- **Total**: $1,164,128

- **Design, Permits, Bid Package (20%)**: 1 LS
  - **Cost**: $232,826, **Total**: $232,826

- **Construction Inspection (5%)**: 1 LS
  - **Cost**: $58,206, **Total**: $58,206

### Order of Magnitude Cost Estimate

- **Total**: $1,455,160

- **Design, Permits, Bid Package (20%)**: 1 LS
  - **Cost**: $232,826, **Total**: $232,826

- **Construction Inspection (5%)**: 1 LS
  - **Cost**: $58,206, **Total**: $58,206

### Order of Magnitude Cost Estimate

- **Total**: $1,964,275

- **Design, Permits, Bid Package (20%)**: 1 LS
  - **Cost**: $232,826, **Total**: $232,826

- **Construction Inspection (5%)**: 1 LS
  - **Cost**: $58,206, **Total**: $58,206

### Order of Magnitude Cost Estimate

- **Total**: $2,000,000

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### Tacony Creek Park Master Plan

**Order of Magnitude Cost Estimate**

- **Total**: $2,000,000

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### Tacony Creek Park Master Plan

**Order of Magnitude Cost Estimate**

- **Total**: $2,000,000

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Tacony Creek Park
Master Site Development Plan

Philadelphia, Pennsylvania
December 2023