1.01 EXECUTIVE SUMMARY

The Village of Midlothian Stormwater Management Capital Plan evaluates stormwater flooding issues and mitigation opportunities, prioritizes these opportunities based on Village goals and values, and provides opinions of cost for select projects that will allow the Village to plan for funding and implementation of stormwater and flood control initiatives.

The plan was developed through a partnership with the Village and the Chicago Metropolitan Agency for Planning’s (CMAP) Local Technical Assistance program. This effort builds on the goals established in the RainReady Midlothian Plan, which was adopted by the Village in January 2016 and developed through a partnership with the Center for Neighborhood Technology, the United States Army Corps of Engineers, and Floodlothian Midlothian.

Development of the SMCP was a team effort between the Village, the project steering committee, CMAP, and Strand Associates, Inc.® that started in September 2018. The steering committee consisted of representatives from the Village, Floodlothian Midlothian, CNT, the Village Engineer (Robinson Engineering), South Suburban Mayors and Managers Association (SSMMA), and the Metropolitan Water Reclamation District of Greater Chicago (MWRD). Over the course of the planning process, the steering committee met four times to provide guidance and feedback on key deliverables and the project team gave an overview presentation to the Village Board on February 27, 2019.

The plan includes eight sections:

1. Introduction, including this executive summary and a list of abbreviations
2. Village Inventory and Analysis, including background data and maps
3. Previous Reports and Studies, including summaries of existing plans and studies
4. Overview of Flooding Issues and Locations, illustrated on Figure ES-1
5. Focus Area Initial Evaluations, including a summary of flooding issues in Jolly Homes, Belly Button Hill, Bremen Heights, and the Natalie Creek corridor, which are illustrated on Figure ES-2, Figure ES-3, Figure ES-4, and Figure ES-6. Figure ES-5 shows potential improvements at Kolmar Avenue and 145th Street in Bremen Heights.
6. Summary of Potential Opportunities, including descriptions of each opportunity in the section as well as the Opportunity Matrix (Table 1 and Table 2)
7. Prioritization of Potential Opportunities, including a discussion of the criteria used to evaluate and rank each opportunity in the Opportunity Matrix
8. Recommendations and Next Steps, including concept plans for Jolly Homes and Belly Button Hill, funding opportunities, and a schedule for implementation. Concept plans are illustrated on Figure ES-7 and Figure ES-8.
### 1.02 IMPLEMENTATION SCHEDULE

Implementation of the initial projects in the Jolly Homes and Belly Button Hill focus areas will require coordination of funding, planning, and design activities before the Village can consider proceeding with construction of the improvements outlined in the Opportunity Matrix. Following is an anticipated implementation schedule:

<table>
<thead>
<tr>
<th>Task</th>
<th>Year</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Determine Funding (see Section 8.04)</td>
<td>1</td>
<td>$60,000 to $80,000</td>
</tr>
<tr>
<td>Develop and implement a storm sewer system televising program starting with the Jolly Homes focus area followed by the other focus areas</td>
<td>On going</td>
<td>$96,000 (Jolly Homes)</td>
</tr>
<tr>
<td>Clean storm sewer system as necessary based on televising results</td>
<td>On going</td>
<td>$131,000</td>
</tr>
</tbody>
</table>

#### Jolly Homes Focus Area

- **Begin discussions with the School District for establishment of an intergovernmental agreement (IGA) for proposed improvements on School District property**
  
  - Year: 1
  - Cost: NA

- **Begin discussions with TNC on collaborative efforts at Central Park Elementary School and Sundrop Prairie.**
  
  - Year: 1
  - Cost: Ongoing

- **Begin a public information initiative regarding green infrastructure and start to identify property owners along 151st Street willing to participate in green infrastructure improvements**
  
  - Year: 1
  - Cost: NA

- **Collect general topographic survey data to support hydraulic modeling**
  
  - Year: 1
  - Cost: $15,000

- **Develop a hydraulic model of existing conditions for the entire focus area**
  
  - Year: 1
  - Cost: $43,000

- **Develop a hydraulic model of proposed conditions incorporating all potential opportunities in the focus area**
  
  - Year: 1
  - Cost: “

- **Evaluate sizing, location, and effectiveness of the potential opportunities**
  
  - Year: 1
  - Cost: “

- **Develop a “basis of design” report to guide implementation of opportunities throughout the entire focus area**
  
  - Year: 1
  - Cost: $20,000

- **Perform detailed topographic survey for Opportunities 2A, B, and C**
  
  - Year: 2
  - Cost: $120,000

- **Develop preliminary engineering drawings, specifications, and OPC**
  
  - Year: 2
  - Cost: $107,100

- **Submit for funding as determined**
  
  - Year: 2
  - Cost: NA

- **Develop pre-final engineering drawings, specifications, and OPC**
  
  - Year: 2
  - Cost: $100,000

- **Submit for permits as necessary**
  
  - Year: 2
  - Cost: $8,000

- **Finalize engineering drawings, specifications, and OPC**
  
  - Year: 2
  - Cost: $18,000

- **Advertise for bids**
  
  - Year: 3
  - Cost: $5,800

- **Award contract and finalize funding**
  
  - Year: 3
  - Cost: NA

- **Construction improvements**
  
  - Year: 3-4
  - Cost: $5,425,166

- **Finalize and closeout project and funding documents**
  
  - Year: 4
  - Cost: NA
### Implementation Schedule

<table>
<thead>
<tr>
<th>Task</th>
<th>Year</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Belly Button Hill Focus Area</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Begin discussions with the Park District for establishment of an</td>
<td>1</td>
<td>NA</td>
</tr>
<tr>
<td>intergovernmental agreement (IGA) for proposed improvements on</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Park District property</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Collect general topographic survey data to support hydraulic</td>
<td>3</td>
<td>$18,000</td>
</tr>
<tr>
<td>modeling</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Develop a hydraulic model of existing conditions for the entire</td>
<td>3</td>
<td>$50,000</td>
</tr>
<tr>
<td>focus area</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Develop a hydraulic model of proposed conditions incorporating</td>
<td>3</td>
<td>&quot;</td>
</tr>
<tr>
<td>all potential opportunities in the focus area</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Evaluate sizing, location, and effectiveness of the potential</td>
<td>3</td>
<td>&quot;</td>
</tr>
<tr>
<td>opportunities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Develop a “basis of design” report to guide implementation of</td>
<td>3</td>
<td>$20,000</td>
</tr>
<tr>
<td>opportunities throughout the entire focus area</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Perform detailed topographic survey for Opportunities 3A, B, C,</td>
<td>4</td>
<td>$36,000</td>
</tr>
<tr>
<td>D, and E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Develop preliminary engineering drawings, specifications, and OPC</td>
<td>4</td>
<td>$31,000</td>
</tr>
<tr>
<td>• Submit for funding as determined</td>
<td>4</td>
<td>NA</td>
</tr>
<tr>
<td>• Develop pre-final engineering drawings, specifications, and OPC</td>
<td>4</td>
<td>$30,000</td>
</tr>
<tr>
<td>• Submit for permits as necessary</td>
<td>4</td>
<td>$2,000</td>
</tr>
<tr>
<td>• Finalize engineering drawings, specifications, and OPC</td>
<td>4</td>
<td>$6,000</td>
</tr>
<tr>
<td>• Advertise for bids</td>
<td>5</td>
<td>$3,000</td>
</tr>
<tr>
<td>• Award contract and finalize funding</td>
<td>5</td>
<td>NA</td>
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<tr>
<td>• Construction improvements</td>
<td>5-6</td>
<td>$1,720,350</td>
</tr>
<tr>
<td>• Finalize and closeout project and funding documents</td>
<td>6</td>
<td>NA</td>
</tr>
<tr>
<td><strong>Future Implementation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Proceed with data collection and modeling for Bremen Heights</td>
<td>5</td>
<td>$85,000</td>
</tr>
<tr>
<td>• Reassess funding capabilities for continued improvements</td>
<td>5</td>
<td>NA</td>
</tr>
<tr>
<td>• Reassess Opportunity Matrix for prioritization of projects based</td>
<td>6</td>
<td>$15,000</td>
</tr>
<tr>
<td>upon modeling and effectiveness of implemented projects</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Proceed with engineering for Bremen Heights based on funding and</td>
<td>6 and</td>
<td>$2,370,000</td>
</tr>
<tr>
<td>updated prioritization</td>
<td>beyond</td>
<td></td>
</tr>
</tbody>
</table>
MIDLOTHIAN CREEK
BELLY BUTTON HILL PARK
FORMER SPLISH SPLASH POOL
NATALIE CREEK
REPEETITIVE FLOODING IN NEIGHBORHOOD CAUSED BY FLAT FLOW LINES IN ABOVE-GROUND DITCHES AND LIMITED DITCH CAPACITY FROM DRIVEWAY CULVERTS.
OUTFALL TO MIDLOTHIAN CREEK IS UNDERWATER DURING RAINFALL EVENTS AND CANNOT DRAIN THE NEIGHBORHOOD.
DURING STORM EVENTS, WATER BACKUPS ALONG 151ST STREET, KOSTNER AVENUE, 150TH STREET, KILBOURN AVENUE, AND AT KOSTNER PARK.
PROJECT AWARDED NATALIE CREEK OVERTOPS DURING THE 2-YEAR STORM EVENT AND INUNDATES THE SURROUNDING HOMES.
CAL-SAG CHANNEL TRIBUTARY OVERTOPS AND PONDS IN THE STREETS.
OUTFALL TO MIDLOTHIAN CREEK IS UNDERWATER DURING RAINFALL EVENTS AND CANNOT DRAIN THE NEIGHBORHOOD.
HIGHEST PRIORITY WATER BACKUP FROM THE CUIID OUTFALL AT SUNDROP PRAIRIE AND FREQUENTLY FLOODS 151ST STREET AND RIDGEWAY AVENUE.
CAL-SAG CHANNEL TRIBUTARY OVERTOPS AND PONDS IN THE STREETS.

LEGEND
FOCUS AREAS FOR FLOOD MITIGATION AND STORMWATER MANAGEMENT
PROPOSED LOMA OR LOMR
MIDLOTHIAN MUNICIPAL LIMITS (COOK COUNTY)
FEMA'S NATIONAL FLOOD HAZARD
1.0% ANNUAL CHANCE (100-YR. FLOODPLAIN)
0.2% ANNUAL CHANCE (500-YR. FLOODPLAIN)
REGULATORY FLOODWAY

VILLAGE-WIDE STORMWATER ISSUES
MIDLOTHIAN STORMWATER MANAGEMENT CAPITAL PLAN
CHICAGO METROPOLITAN AGENCY FOR PLANNING
CREATE WETLAND AND WETLAND BUFFER AREA WITH NATIVE PLANTINGS TO IMPROVE WATER QUALITY, PROVIDE STORAGE, AND RELIEVE DOWNSTREAM FLOODING AT BREMEN HEIGHTS PARK.

INSTALL PARK FEATURES (BENCHES, EDUCATIONAL MATERIAL, SCULPTURES, ETC.)

PEDESTRIAN PATH WITH BRIDGES TO CONNECT BOTH SIDES OF KOLMAR AVENUE.

CULDESAC AT KOLMAR AVENUE TO PROVIDE SPACE FOR WETLAND STORAGE AREA/PARK.

POTENTIAL OPPORTUNITIES INTERSECTION GREEN INFRASTRUCTURE

MIDLOTHIAN STORMWATER MANAGEMENT CAPITAL PLAN
CHICAGO METROPOLITAN AGENCY FOR PLANNING
JOLLY HOMES OPPORTUNITY CONCEPT
OPPORTUNITIES 2A, 2B, AND 2C
MIDLOTHIAN STORMWATER MANAGEMENT CAPITAL PLAN
CHICAGO METROPOLITAN AGENCY FOR PLANNING

LEGEND
2A: DETENTION BASIN
GREEN INFRASTRUCTURE / WETLAND BUFFER
DRA Y FEATURE
WET FEATURE
24-INCH
30-INCH
36-INCH
12-INCH
18-INCH
2C: GREEN INFRASTRUCTURE

NEW 48-INCH STORM SEWER PIPE ALONG 151ST STREET
INSTALL NEW LATERALS ALONG AVERS, HAMLIN, AND RIDGEWAY TO CAPTURE AND CONVEY SURFACE RUNOFF TO NEW 48-INCH PIPE
UPGRADE ALL EXISTING LATERALS TO 12-INCHES AND ABOVE FOR IMPROVED CONVEYANCE TO NEW 48-INCH PIPE
GREEN INFRASTRUCTURE ALONG 151ST STREET TO PROVIDE WATER QUALITY AND AESTHETIC BENEFITS
CENTRAL PARK ELEMENTARY SCHOOL
SUNDROP PRAIRIE NATURE PRESERVE
DETENTION BASIN (WET OR DRY)
100-YR HWL: 610.5
SPILL CREST: 611.0
BOTTOM OF BASIN: 604.0
STORAGE: 12.7 AC.-FT.
UPGRADE ALL EXISTING LATERALS TO 12-INCHES AND ABOVE FOR IMPROVED CONVEYANCE TO NEW 48-INCH PIPE
NEW 48-INCH STORM SEWER PIPE ALONG 151ST STREET
INSTALL NEW LATERALS ALONG AVERS, HAMLIN, AND RIDGEWAY TO CAPTURE AND CONVEY SURFACE RUNOFF TO NEW 48-INCH PIPE
UPGRADE ALL EXISTING LATERALS TO 12-INCHES AND ABOVE FOR IMPROVED CONVEYANCE TO NEW 48-INCH PIPE
GREEN INFRASTRUCTURE ALONG 151ST STREET TO PROVIDE WATER QUALITY AND AESTHETIC BENEFITS
CENTRAL PARK ELEMENTARY SCHOOL
SUNDROP PRAIRIE NATURE PRESERVE
DETENTION BASIN (WET OR DRY)
100-YR HWL: 610.5
SPILL CREST: 611.0
BOTTOM OF BASIN: 604.0
STORAGE: 12.7 AC.-FT.
BELLY BUTTON HILL OPPORTUNITY CONCEPT
OPPORTUNITY 3A

MIDLOTHIAN STORMWATER MANAGEMENT CAPITAL PLAN
CHICAGO METROPOLITAN AGENCY FOR PLANNING

DETENTION BASIN (WET OR DRY)
100-YR HWL: 626.5
SPILL CREST: 626.5
BOTTOM OF BASIN: 621.0
STORAGE: 4.0 AC.-FT.
4:1 (H:V) SIDE SLOPE

DETENTION BASIN (DRY)
100-YR HWL: 625.7
SPILL CREST: 626.0
BOTTOM OF BASIN: 617.0
STORAGE: 15.8 AC.-FT.
4:1 (H:V) SIDE SLOPE

LEGEND
3A: DETENTION BASINS
GREEN INFRASTRUCTURE / WETLAND BUFFER
WET FEATURE
DRY FEATURE

FIGURE ES-8

±

0
100
200
0

Feet

BELLY BUTTON HILL / KOSTNER PARK
<table>
<thead>
<tr>
<th>ID</th>
<th>Priority Area</th>
<th>Name</th>
<th>Stormwater Management Type</th>
<th>Description</th>
<th>Pros</th>
<th>Cons</th>
<th>Estimated Cost</th>
</tr>
</thead>
</table>
| 1A | Jolly Homes, Belly Button Hill, and Bremen Heights | Topographic Survey | Planning | Perform topographic surveys and field investigations in each of the focus areas to support detailed planning and design of specific improvements. | • Fills gaps and provides more understanding to the existing storm sewer system  
• Aids design of future and ongoing infrastructure projects  
• Can be completed in conjunction with infrastructure projects | • Does not provide immediate relief to flooding areas | 2% of Project Cost |
| 1B | Jolly Homes, Belly Button Hill, and Bremen Heights | Storm Sewer Televising | Planning | Televise the existing storm sewer system in each focus area to determine if there are any deficiencies in the system. | • Explores opportunities for immediate fixes to the storm sewer system  
• Can be completed in conjunction with infrastructure projects | • Does not provide immediate relief to flooding areas | Jolly Homes: $96,000  
Belly Button Hill: $53,000  
Bremen Heights: $63,000 |
| 1C | Jolly Homes, Belly Button Hill, and Bremen Heights | Storm Sewer Cleaning | Planning | Clean storm sewer lines in each focus area based on televising results. | • Provide low cost and immediate fixes to existing storm sewer system  
• Can be completed in conjunction with infrastructure projects | • May not resolve all flooding issues | Jolly Homes: $131,000  
Belly Button Hill: $70,000  
Bremen Heights: $82,000 |
| 1D | Jolly Homes, Belly Button Hill, and Bremen Heights | Hydraulic & Hydrologic (H&H) Modeling | Planning | Model the existing storm sewer system in each focus area. (Includes survey to populate the model) | • Provides more understanding to the existing storm sewer system  
• Can be completed in conjunction with infrastructure projects and used to inform infrastructure design | • Does not provide immediate relief to flooding areas | Jolly Homes: $43,000  
Belly Button Hill: $50,000  
Bremen Heights: $47,000 |
| 1E | Village-wide | Village Rain Fund | Program | Strategy to generate funding to help Midlothian fight flooding without raising property taxes. See Appendix D for more information. | • Allocates and prioritizes funds for stormwater management projects  
• Can be pursued concurrently with infrastructure projects | • Will take time to establish  
• Requires cooperation from residents as it will be a new fee for stormwater service | IEPA State Revolving Loan Fund |
| 1F | Village-wide | Private Property Home Floodproofing and Lateral Repair Program | Program | Develop a resident floodproofing program concurrent with the PSP for community outreach, financing, and flood mitigation measures to complement I/I repair and downsputs disconnection. Program could initially be funded by IEPA’s State Revolving Loan Fund. | • Provides assistance to residents that flood  
• Incentivizes participation through a municipal grant fund accessible to residents  
• Potential to pursue along with Rain Fund  
• Opportunity for residents to combat stormwater issues in the community | • Improvements are specific to flooding issues on each individual property  
• Improvements do not provide additional stormwater storage | RainFund/ IEPA State Revolving Loan Fund  
Individual homeowners  
Existing Sewer Fund |
<table>
<thead>
<tr>
<th>Priority Number</th>
<th>ID</th>
<th>Figure</th>
<th>Priority Area</th>
<th>Name</th>
<th>Stormwater Management Type</th>
<th>Description</th>
<th>Pros</th>
<th>Cons</th>
<th>Potential Funding Sources</th>
<th>Benefitting Properties / Areas</th>
<th>Opportunity Footprint (acres)</th>
<th>Related Planning Programs</th>
<th>Drainage Area Capture</th>
<th>Property Ownership Land Acquisition</th>
<th>Infiltration Potential</th>
<th>Relative Construction Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2A</td>
<td>6.02-1</td>
<td>Jolly Homes</td>
<td>Central Park Elementary School / New Detention Basin (East)</td>
<td>Existing Detention Basin Retrofit and New Detention Basin</td>
<td>Retrofit existing dry detention basin east of Central Park Elementary School and extend new footprint to open space just north of Park Creek. Includes opportunities for additional conveyance to basin.</td>
<td>• Provides storage to alleviate flooding along 151st Street</td>
<td>• Requires coordination and approval from School District</td>
<td>Village / MWRO / Grants and partnerships</td>
<td>Will alleviate in-street flooding and flooding on private properties for properties along 151st Street and for Central Park Elementary School. May also alleviate flooding at outfall to Park Creek.</td>
<td>5.3</td>
<td>+</td>
<td>+</td>
<td>N/A</td>
<td>-</td>
<td>$1,288,650</td>
</tr>
<tr>
<td>2</td>
<td>2B</td>
<td>6.02-1</td>
<td>Jolly Homes</td>
<td>151st Street Conveyance Upgrades</td>
<td>Conveyance Upgrades</td>
<td>Upgrade the existing mainline along 151st Street and install new inlets and laterals. Includes new conveyance to detention basins.</td>
<td>• Alleviates flooding along 151st Street</td>
<td>• Temporarily disturbs 151st Street and Central Park Elementary School</td>
<td>Village</td>
<td>Will alleviate in-street flooding and flooding on private properties for properties along 151st Street and for Central Park Elementary School.</td>
<td>2.4</td>
<td>+</td>
<td>+</td>
<td>N/A</td>
<td>-</td>
<td>$3,693,682</td>
</tr>
<tr>
<td>3</td>
<td>2C</td>
<td>6.02-1</td>
<td>Jolly Homes</td>
<td>151st Street Green Infrastructure</td>
<td>Green Infrastructure</td>
<td>Install green infrastructure along 151st Street in existing right-of-way.</td>
<td>• Water quality</td>
<td>• Limited stormwater storage volume</td>
<td>Village / MWRO / Grants and partnerships</td>
<td>Will provide extra storage to relieve in-street flooding along 151st Street.</td>
<td>0.7</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>-</td>
<td>$1,040,000</td>
</tr>
<tr>
<td>4</td>
<td>3A</td>
<td>6.03-1</td>
<td>Belly Button Hill / Kostner Park New Dry Detention Basin</td>
<td>New Dry Detention Basin</td>
<td>Design and construct new dry detention basin at Belly Button Hill Park. Includes opportunities for additional conveyance to basin.</td>
<td>• Provides storage to alleviate flooding along 150th Street, Kilbourn Avenue, Kostner Avenue, and 151st Street</td>
<td>• Requires coordination and approval from Park District</td>
<td>Village / MWRO / Grants and partnerships</td>
<td>Will alleviate in-street flooding along 150th Street, Kilbourn Avenue, Kostner Avenue, and 151st Street.</td>
<td>2.4</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>-</td>
<td>$1,824,760</td>
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<tr>
<td>Priority Number</td>
<td>ID</td>
<td>Figure</td>
<td>Priority Area</td>
<td>Name</td>
<td>Stormwater Management Type</td>
<td>Description</td>
<td>Pros</td>
<td>Cons</td>
<td>Potential Funding Sources</td>
<td>Benefitting Properties / Areas</td>
<td>Opportunity Footprint (acres)</td>
<td>Related Planning Programs</td>
<td>Drainage Area Capture</td>
<td>Property Ownership / Land Acquisition</td>
<td>Infiltration Potential</td>
<td>Relative Construction Cost</td>
</tr>
<tr>
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</tr>
</tbody>
</table>
| 5               | 3B   | 6.03-1 | Belly Button  | Belly Button Hill / Kostner Park Bioretention Basin | Green Infrastructure     | Utilize open space at the southern portion of Belly Button Hill Park for a bioretention basin to capture and store runoff from 151st Street. | • Alleviates flooding along 151st Street and Kostner Avenue  
• Water quality  
• Enhances aesthetics  
• Provides buffer between private properties and park  
• Reduces need for stormwater storage  
• Can be completed in conjunction with other projects (i.e., 3A, 3C, 3E, and roadway projects) | • Requires coordination and approval from Park District  
• Limited stormwater storage volume  
• Requires maintenance  
• Potential impacts to mature trees  
• Reduces amount of open space for recreation  
• Temporarily disturbs Kostner Park and surrounding streets  
• Poor infiltration | • Village  
• MWRD  
• Grants and partnerships | Will provide extra storage to relieve flooding at Kostner Park and in-street flooding along 151st Street and Kostner Avenue. | 1.5 | • Storm sewer televising and cleaning  
• Topographic survey  
• Storm sewer modeling | N/A | + | - | $1,270,000 |
| 6               | 3C   | 6.03-1 | Belly Button  | Belly Button Hill / Kostner Park Conveyance Upgrades | Conveyance Upgrades     | Upgrade the existing mainline along Kilbourn Avenue, install new inlets and laterals, and construct new mainline along 151st Street from Belly Button Hill Park to Midlothian Creek. Includes new conveyance to basin. | • Alleviates flooding along 150th Street, Kilbourn Avenue, Kostner Avenue, and 151st Street  
• Can be completed in conjunction with other projects (i.e., 3A, 3B, 3E, and roadway projects) | • Temporarily disturbs 150th Street, Kilbourn Avenue, Kostner Avenue, and 151st Street  
• Potential impacts to mature trees | • Village | Will alleviate in-street flooding along 150th Street, Kilbourn Avenue, Kostner Avenue, and 151st Street. | 4.1 | • Storm sewer televising and cleaning  
• Topographic survey  
• Storm sewer modeling | + | + | N/A | - | $2,490,000 |
| 7               | 3D   | 6.03-1 | Belly Button  | Belly Button Hill / Kostner Park Green Infrastructure Retrofit | Green Infrastructure Retrofit | Retrofit existing green infrastructure east of Belly Button Hill/ Kostner Park for increased storage. | • Alleviates flooding along Kostner Avenue  
• Water quality  
• Enhances aesthetics  
• Reduces need for stormwater storage in some areas  
• Can be completed in conjunction with other projects (i.e., 3A, 3C, 3E, and roadway projects) | • Requires coordination and approval from Park District  
• Limited stormwater storage volume  
• Requires maintenance  
• Poor infiltration | • Village  
• MWRD  
• Grants and partnerships | Will increase storage of existing green infrastructure features to relieve in-street flooding along Kostner Avenue. | 0.3 | • Topographic survey | - | - | + | $270,000 |
| 8               | 3E   | 6.03-1 | Belly Button  | Kilbourn Avenue and 150th Street Green Infrastructure | Green Infrastructure     | Install green infrastructure in existing right-of-way and park property at the intersection of Kilbourn Avenue and 150th Street. | • Water quality  
• Enhances aesthetics  
• Reduces need for stormwater storage  
• Potential partnership with Park District | • Limited stormwater storage volume  
• Poor infiltration  
• Requires maintenance | • Village  
• MWRD  
• Grants and partnerships | Will provide extra storage to relieve in-street flooding at Kilbourn Avenue and 150th Street. | 0.2 | • Topographic survey | - | - | + | $160,000 |
<table>
<thead>
<tr>
<th>Priority Number</th>
<th>ID</th>
<th>Figure</th>
<th>Priority Area</th>
<th>Name</th>
<th>Stormwater Management Type</th>
<th>Description</th>
<th>Pros</th>
<th>Cons</th>
<th>Potential Funding Sources</th>
<th>Benefitting Properties / Areas</th>
<th>Opportunity Footprint (acres)</th>
<th>Related Planning Programs</th>
<th>Drainage Area Capture</th>
<th>Property Ownership / Land Acquisition</th>
<th>Infiltration Potential</th>
<th>Relative Construction Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>4A</td>
<td>6.04-1</td>
<td>Bremen Heights</td>
<td>Kolmar Avenue and 145th Street Green Corridor</td>
<td>Green Infrastructure</td>
<td>Close intersection at Kolmar Avenue and 145th Street and construct cul-de-sacs at Kolmar Avenue. Utilize green space to create new bioretention basin/wetland corridor to provide increased storage.</td>
<td>• Provides storage to alleviate downstream flooding along 145th St and Kenneth Ave • Public right-of-way • Provides opportunity for a new park space • Enhances aesthetics • Water quality • Opportunity for habitat restoration • Provides traffic calming • Favorable soils for infiltration</td>
<td>• Requires coordination and approval from Park District • Limited stormwater storage volume • Permanently changes Village road network • Requires cooperation from neighbors • Requires maintenance • Infiltration options are dependent on soil characteristics</td>
<td>Village • MWRD • Grants and partnerships</td>
<td>Will alleviate downstream in-street flooding along 145th Street and Kenneth Avenue.</td>
<td>1.3</td>
<td>+</td>
<td>+</td>
<td>-</td>
<td>Village • MWRD • Grants and partnerships</td>
<td>Will alleviate downstream in-street flooding along 145th Street and Kenneth Avenue.</td>
</tr>
<tr>
<td>10</td>
<td>4B</td>
<td>6.04-1</td>
<td>Bremen Heights</td>
<td>Bremen Heights Park Green Infrastructure</td>
<td>Green Infrastructure</td>
<td>Install green infrastructure in existing right-of-way and Bremen Heights Park along Kenneth Avenue.</td>
<td>• Water quality • Enhances aesthetics • Reduces need for stormwater storage • Favorable soils for infiltration • Continued partnership with UIUC and IL-IN Sea Grant • Can be completed in conjunction with other projects (i.e., 4C, 4E, 4F, roadway projects, and new conveyance)</td>
<td>• Requires coordination and approval from Park District • Limited stormwater storage volume • Requires maintenance • Potential impacts to mature trees • Temporarily disturbs Bremen Heights Park and surrounding streets • Infiltration options are dependent on soil characteristics</td>
<td>Village • MWRD • Grants and partnerships</td>
<td>Will provide relief from in-street flooding along Kenneth Avenue.</td>
<td>0.3</td>
<td>+</td>
<td>+</td>
<td>-</td>
<td>Village • MWRD • Grants and partnerships</td>
<td>Will provide relief from in-street flooding along Kenneth Avenue.</td>
</tr>
<tr>
<td>11</td>
<td>4C</td>
<td>6.04-1</td>
<td>Bremen Heights</td>
<td>Bremen Heights Park Green Infrastructure Retrofit</td>
<td>Green Infrastructure Retrofit</td>
<td>Retrofit existing green infrastructure on north side of Bremen Heights Park for increased storage.</td>
<td>• Water quality • Enhances aesthetics • Reduces need for stormwater storage • Favorable soils for infiltration • Continued partnership with UIUC and IL-IN Sea Grant • Can be completed in conjunction with other projects (i.e., 4B, 4E, 4F, roadway projects, and new conveyance)</td>
<td>• Requires coordination and approval from Park District • Limited stormwater storage volume • Requires maintenance • Infiltration options are dependent on soil characteristics</td>
<td>Village • MWRD • Grants and partnerships</td>
<td>Will increase storage of existing green infrastructure features to relieve in-street flooding at Bremen Heights Park and along 144th Street.</td>
<td>0.4</td>
<td>+</td>
<td>+</td>
<td>-</td>
<td>Village • MWRD • Grants and partnerships</td>
<td>Will increase storage of existing green infrastructure features to relieve in-street flooding at Bremen Heights Park and along 144th Street.</td>
</tr>
<tr>
<td>Priority Number</td>
<td>ID</td>
<td>Figure</td>
<td>Priority Area</td>
<td>Name</td>
<td>Stormwater Management Type</td>
<td>Description</td>
<td>Pros</td>
<td>Cons</td>
<td>Potential Funding Sources</td>
<td>Benefitting Properties / Areas</td>
<td>Opportunity Footprint (acres)</td>
<td>Related Planning Programs</td>
<td>Drainage Area Capture</td>
<td>Property Ownership Land Acquisition / Infiltration Potential</td>
<td>Relative Construction Cost</td>
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<tr>
<td>12</td>
<td>5A</td>
<td>6.05-1</td>
<td>Natalie Creek / 147th Street</td>
<td>St. Christopher Church and School</td>
<td>Dry Detention Basins</td>
<td>Constructing two new detention basins at St. Christopher Church and School property. Includes opportunities for additional conveyance to basin.</td>
<td>• Provides storage to alleviate flooding along 147th Street, Keeler Avenue, and Karlov Avenue</td>
<td>• Expensive to construct large detention basins • Would require land acquisition and approval from St. Christopher Church • Basins are mostly downstream of overland flow from Natalie Creek • Requires maintenance</td>
<td>MWRD • Village • Grants and partnerships</td>
<td>Will alleviate in-street flooding along 147th Street, Keeler Avenue, and Karlov Avenue from localized conveyance issues.</td>
<td>1.7</td>
<td>+</td>
<td>-</td>
<td>-</td>
<td>MWRD's GI Grant Program • Village • Other grants and partnerships • Property owners</td>
<td>$760,000</td>
</tr>
<tr>
<td>13</td>
<td>5B</td>
<td>6.05-1</td>
<td>Natalie Creek / 147th Street</td>
<td>147th Street Green Infrastructure</td>
<td>Green Infrastructure</td>
<td>Installing green infrastructure features along 147th Street, at Kolin Avenue and Kilpatrick Avenue, to alleviate small localized flooding. Some of these features are within the resultant 100-year Natalie Creek floodplain.</td>
<td>• Opportunity to utilize right-of-way • Partnership with property owners • Water quality • Enhances aesthetics • Reduces need for stormwater storage • Can be completed in conjunction with other projects (i.e., IDOT roadway projects and complete street improvements)</td>
<td>• Requires coordination and approval from property owners and IDOT • Green infrastructure alone will not provide the required storage volume to solve the Village's flooding issues • Requires maintenance</td>
<td>MWRD's GI Grant Program • Village • Other grants and partnerships • Property owners</td>
<td>Will help alleviate localized in-street flooding along 147th Street.</td>
<td>0.5</td>
<td>+</td>
<td>-</td>
<td>-</td>
<td>Topographic survey • Storm sewer modeling</td>
<td>$570,000</td>
</tr>
<tr>
<td>14</td>
<td>2D</td>
<td>6.02-1</td>
<td>Jolly Homes</td>
<td>Central Park Elementary School New Dry Detention Basin (Southwest)</td>
<td>New Dry Detention Basin</td>
<td>Design and construct new dry detention basin southwest of Central Park Elementary School. Includes opportunities for additional conveyance to basin. See also 2A and 2B.</td>
<td>• Provides storage to alleviate flooding along 151st Street • Potential partnership with School District • Favorable soils for infiltration • Opportunity to include elements from 2E</td>
<td>• Requires coordination and approval from School District • May require pumping • Requires maintenance • Temporarily disturbs 151st Street and Central Park Elementary School • Infiltration options are dependent on soil characteristics</td>
<td>Village • MWRD • Grants and partnerships</td>
<td>Will alleviate in-street flooding and flooding on private properties for properties along 151st Street and for Central Park Elementary School.</td>
<td>2.7</td>
<td>+</td>
<td>-</td>
<td>+</td>
<td>Storm sewer televising and cleaning • Topographic survey • Storm sewer modeling</td>
<td>$1,160,000</td>
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<tr>
<td>Priority Number</td>
<td>ID</td>
<td>Figure</td>
<td>Priority Area</td>
<td>Name</td>
<td>Stormwater Management Type</td>
<td>Description</td>
<td>Pros</td>
<td>Cons</td>
<td>Potential Funding Sources</td>
<td>Benefitfiting Properties / Areas</td>
<td>Opportunity Footprint (acres)</td>
<td>Related Planning Programs</td>
<td>Drainage Area Capture</td>
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<td>Infiltration Potential</td>
<td>Relative Construction Cost</td>
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</tbody>
</table>
| 15              | 2E  | 6.02-1 | Jolly Homes   | Central Park Elementary School Green Infrastructure | Install green infrastructure southeast of Central Park Elementary School. | • Outdoor education  
• Water quality  
• Enhances aesthetics  
• Reduces need for stormwater storage  
• Favorable soils for infiltration  
• Continued partnership with UIUC, IL-IN Sea Grant, and TNC  
• Can be completed in conjunction with other projects (i.e., 2A, 2B, 2C, and roadway projects)  | • Requires coordination and approval from School District  
• Limited stormwater storage volume  
• Infiltration options are dependent on soil characteristics  
• Requires maintenance  
• Area is far from school compared to 2D  | Village  
MWRD  
Grants and partnerships  | Will provide extra storage to relieve flooding at outfall to Park Creek.  | 0.9  | Storm sewer televising and cleaning  
Topographic survey  
Storm sewer modeling  | -   | +   | $760,000  |
| 16              | 2F  | 6.02-1 | Jolly Homes   | Infiltration Opportunities and Sundrop Prairie Groundwater Recharge | Recreating a natural wetland on proper adjacent to Sundrop Prairie would capture and absorb runoff that naturally flows to the prairie. | • Partnership with TNC  
• Favorable soils for infiltration  
• Water quality  
• Opportunities for public engagement and education  
• Continued partnership with UIUC and IL-IN Sea Grant  | • Does not provide stormwater or flood control improvements for the Village  
• Infiltration options are dependent on soil characteristics  | MWRD's GI Program  
Village  
Grants and partnerships  | May provide additional flood mitigation during extreme events (beyond 100-year design) for the 151st Street drainage area. May also reduce impacts from Park Creek during these events.  | 16.9  | Storm sewer televising and cleaning  
Topographic survey  
Storm sewer modeling  | -   | +   | $14,750,000  |
| 17              | 2G  | 6.02-1 | Jolly Homes   | Central Park Avenue Bioretention Basin | Utilize vacant property at 151st Street and Central Park Avenue to construct a new bioretention system. | • Water quality  
• Enhances aesthetics  
• Reduces need for stormwater storage  
• Favorable soils for infiltration  
• Continued partnership with UIUC and IL-IN Sea Grant  | • Limited stormwater storage volume  
• Infiltration options are dependent on soil characteristics  
• Potential impacts to mature trees  
• Disconnected from main flooding issues along 151st Street  
• Requires maintenance  | Village  
MWRD  
Grants and partnerships  | Will help alleviate in-street flooding along Central Park Avenue.  | 0.4  | Topographic survey  | -   | -   | +   | +   | $370,000  |
| 18              | 2H  | 6.02-1 | Jolly Homes   | Jolly Homes South Conveyance Upgrades | Upgrade the existing mainline midblock of Hamlin, Ridgeway, Loveland, and Millard Avenues and install new inlets and laterals. | • Alleviates flooding upstream of Park Creek  
• Can be completed in conjunction with project 21 and roadway projects  | • Temporary impacts to mature trees  
• Village of Midlothian  | Will alleviate in-street flooding upstream of Park Creek.  | 3.4  | Storm sewer televising and cleaning  
Topographic survey  
Storm sewer modeling  | -   | +   | N/A  | -   | $3,000,000  |
<table>
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<tr>
<th>Priority Number</th>
<th>ID</th>
<th>Figure</th>
<th>Priority Area</th>
<th>Name</th>
<th>Stormwater Management Type</th>
<th>Description</th>
<th>Pros</th>
<th>Cons</th>
<th>Potential Funding Sources</th>
<th>Benefitting Properties / Areas</th>
<th>Opportunity Footprint (acres)</th>
<th>Related Planning Programs</th>
<th>Drainage Area Capture</th>
<th>Property Ownership Land Acquisition</th>
<th>Infiltration Potential</th>
<th>Relative Construction Cost</th>
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<tr>
<td>19</td>
<td>2I</td>
<td>6.02-1</td>
<td>Jolly Homes</td>
<td>Bremen High School Detention Basin Retrofit (East)</td>
<td>Existing Basin Retrofit</td>
<td>Retrofit existing basin east of Bremen High School Community High School (at playing fields) for increased storage. Includes opportunities for additional conveyance to basin.</td>
<td>• Potential to reroute flooding from 152nd Street and school&lt;br&gt;• Potential partnership with School District&lt;br&gt;• Quick turnaround in design to construction&lt;br&gt;• Favorable soils for infiltration</td>
<td>• Requires coordination and approval from School District 228&lt;br&gt;• Disrupts recent detention basin design</td>
<td>Village&lt;br&gt;• MWRD&lt;br&gt;• Grants and partnerships (School District)</td>
<td>Will alleviate in-street flooding along 152nd Street and Hamlin Avenue.</td>
<td>1.0</td>
<td></td>
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<tr>
<td>20</td>
<td>2J</td>
<td>6.02-1</td>
<td>Jolly Homes</td>
<td>Bremen High School Detention Basin Retrofit (West)</td>
<td>Existing Basin Retrofit</td>
<td>Retrofit existing basin west of Bremen High School Community High School (at Pulaski Road) for increased storage. Includes opportunities for additional conveyance to basin.</td>
<td>• Potential to reroute flooding from 152nd Street and school&lt;br&gt;• Potential partnership with School District&lt;br&gt;• Quick turnaround in design to construction&lt;br&gt;• Favorable soils for infiltration</td>
<td>• Requires coordination and approval from School District 228</td>
<td>Village&lt;br&gt;• MWRD&lt;br&gt;• Grants and partnerships (School District)</td>
<td>Will alleviate in-street flooding along 152nd Street and provide storage to Pulaski Road.</td>
<td>1.0</td>
<td></td>
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<td>21</td>
<td>2K</td>
<td>6.02-1</td>
<td>Jolly Homes</td>
<td>152nd Street Green Infrastructure</td>
<td>Green Infrastructure</td>
<td>Install green infrastructure along 152nd Street in existing right-of-way and Bremen Community High School property.</td>
<td>• Water quality&lt;br&gt;• Enhances aesthetics&lt;br&gt;• Reduces need for stormwater storage&lt;br&gt;• Favorable soils for infiltration&lt;br&gt;• Continued partnership with UIUC and IL-IN Sea Grant&lt;br&gt;• Potential partnership with School District&lt;br&gt;• Can be completed in conjunction with other projects like 2I, 2J, and roadway projects</td>
<td>• Limited stormwater storage volume&lt;br&gt;• Infiltration options are dependent on soil characteristics&lt;br&gt;• Requires coordination and approval from School District 228&lt;br&gt;• Requires maintenance</td>
<td>Village&lt;br&gt;• MWRD&lt;br&gt;• Grants and partnerships (School District)</td>
<td>Will provide extra storage to relieve in-street flooding along 152nd Street.</td>
<td>0.7</td>
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<tr>
<td>22</td>
<td>2L</td>
<td>6.02-1</td>
<td>Jolly Homes</td>
<td>Jolly Homes Vacant Property Green Infrastructure</td>
<td>Green Infrastructure</td>
<td>Install green infrastructure on vacant properties where opportunities exist.</td>
<td>• Water quality&lt;br&gt;• Enhances aesthetics&lt;br&gt;• Community engagement&lt;br&gt;• Reduces need for stormwater storage&lt;br&gt;• Favorable soils for infiltration&lt;br&gt;• Limited stormwater storage volume&lt;br&gt;• Vacant parcels are not in proximity to severe flooding areas&lt;br&gt;• Requires maintenance</td>
<td>• Village&lt;br&gt;• MWRD&lt;br&gt;• Grants and partnerships</td>
<td>Will provide extra storage to relieve in-street flooding throughout neighborhood.</td>
<td>1.0</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>$1,030,000</td>
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<tr>
<td>Priority Number</td>
<td>ID</td>
<td>Figure</td>
<td>Priority Area</td>
<td>Name</td>
<td>Stormwater Management Type</td>
<td>Description</td>
<td>Pros</td>
<td>Cons</td>
<td>Potential Funding Sources</td>
<td>Benifitting Properties / Areas</td>
<td>Opportunity Footprint (acres)</td>
<td>Related Planning Programs</td>
<td>Drainage Area Capture</td>
<td>Property Ownership Land Acquisition</td>
<td>Infiltration Potential</td>
<td>Relative Construction Cost</td>
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<tr>
<td>23</td>
<td>3F</td>
<td>6.03-1</td>
<td>Belly Button Hill</td>
<td>Belly Button Hill/ Kostner Park</td>
<td>Underground Detention</td>
<td>Construct underground detention beneath parking lot at in Belly Button Hill/Kostner Park. Includes opportunities for additional conveyance to basin.</td>
<td>• Provides storage to alleviate flooding along 150th Street</td>
<td>• More expensive than above ground storage</td>
<td>• Village</td>
<td>MSEW</td>
<td>$600,000</td>
<td>0.5</td>
<td>• Storm sewer &amp; detention &amp; cleaning</td>
<td>Topographic survey</td>
<td>Storm sewer modeling</td>
<td>-</td>
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<tr>
<td>24</td>
<td>3G</td>
<td>6.03-1</td>
<td>Belly Button Hill</td>
<td>Spish Splash Detention Basin</td>
<td>New Wet Detention Basin</td>
<td>Design and construct a new detention basin at Old Spish Splash Pool property. Includes opportunities for additional conveyance to basin.</td>
<td>• Provides storage to alleviate flooding at 150th Street and Kilbourn Avenue</td>
<td>• Requires coordination and approval from Park District</td>
<td>• Village</td>
<td>MSEW</td>
<td>$880,000</td>
<td>1.4</td>
<td>• Storm sewer &amp; detention &amp; pipeline</td>
<td>Topographic survey</td>
<td>Storm sewer modeling</td>
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<tr>
<td>25</td>
<td>3H</td>
<td>6.03-1</td>
<td>Belly Button Hill</td>
<td>Vacant Property</td>
<td>Green Infrastructure</td>
<td>Install green infrastructure on vacant properties where opportunities exist.</td>
<td>• Water quality</td>
<td>• Limited stormwater storage volume</td>
<td>• Village</td>
<td>MSEW</td>
<td>$440,000</td>
<td>1.0</td>
<td>• Topographic survey</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>26</td>
<td>3I</td>
<td>6.03-1</td>
<td>Belly Button Hill</td>
<td>New Midlothian Outfall</td>
<td>New Storm Sewer and Outfall</td>
<td>Design and construct a new storm sewer line from Belly Button Hill Park to a new outfall at Midlothian Creek. The new storm sewer line would offload flooding from 151st Street to new outfall located upstream of existing outfall at 151st Street.</td>
<td>• Storm sewer &amp; detention &amp; pipeline</td>
<td>• Requires agency approval for new outfall and coordination and approval from Park District</td>
<td>• Village</td>
<td>MSEW</td>
<td>$600,000</td>
<td>0.8</td>
<td>• Storm sewer &amp; detention &amp; pipeline</td>
<td>Topographic survey</td>
<td>Storm sewer modeling</td>
<td>N/A</td>
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<tr>
<td>27</td>
<td>4D</td>
<td>6.04-1</td>
<td>Bremen Heights</td>
<td>Culvert</td>
<td>Culvert</td>
<td>Widen and stabilize existing ditch along 145th Street and construct culvert at Kolmar Avenue.</td>
<td>• Provides bank stabilization to protect channel from erosion</td>
<td>• Green infrastructure requires maintenance</td>
<td>• Village</td>
<td>MSEW</td>
<td>$560,000</td>
<td>1.1</td>
<td>• Storm sewer &amp; detention &amp; pipeline</td>
<td>Topographic survey</td>
<td>Storm sewer modeling</td>
<td>+</td>
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</tbody>
</table>

Table 2: Infrastructure Opportunities

- **Priority Area**: Bremen Heights
- **Name**: Culvert
- **Stormwater Management Type**: Culvert
- **Description**: Widen and stabilize existing ditch along 145th Street and construct culvert at Kolmar Avenue.
- **Pros**: Provides bank stabilization to protect channel from erosion
- **Cons**: Public right-of-way
- **Potential Funding Sources**: Village, MSEW, Grants, and partnerships
- **Benefitting Properties / Areas**: Will increase capacity of existing ditch system and alleviate in-street flooding downstream at Kennedy Avenue and at Bremen Heights Park.
- **Opportunity Footprint (acres)**: 1.1
- **Related Planning Programs**: Storm sewer modeling
- **Infiltration Potential**: +
- **Relative Construction Cost**: +
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<tr>
<th>Priority Number</th>
<th>ID</th>
<th>Area</th>
<th>Priority Figure</th>
<th>Figure</th>
<th>Area</th>
<th>Name</th>
<th>Stormwater Management Type</th>
<th>Description</th>
<th>Area</th>
<th>Potential Funding Sources</th>
<th>Opportunity Footprint (acres)</th>
<th>Benefitting Properties / Areas</th>
<th>Opportunity Related Planning Programs</th>
<th>Drainage Area Capture</th>
<th>Property Ownership Land Acquisition</th>
<th>Infiltration Potential</th>
<th>Relative Construction Cost</th>
</tr>
</thead>
</table>
| 28              | SC   | 6.05-1        | Natalie Creek   | Kenton Avenue | Detention Basins | New Wet Detention Basin     |                             | • Provide significant overflow storage from Kilpatrick Avenue and 149th Street  
  • Prevent overland flow from Natalie Creek during storm events and protect homes in resultant 100-year floodplain  
  • Properties are Village-owned and vacant | Pros:  
  • Expensive to construct large detention basins  
  • Requires maintenance  
  Cons:  
  • MWRD  
  • Village  
  • Grants and partnerships  
  | Will provide overflow storage from Natalie Creek and alleviate in-street and flooding on private properties for homes at Kenton Avenue and downstream Kolmar and Kilbourn Avenues. | 1.9 | MWRD  
  Village  
  Grants and partnerships | Storm sewer televising and cleaning  
  Topographic survey  
  Storm sewer modeling | + | - | + | - | $1,100,000 |
| 29              | SD   | 6.05-1        | Natalie Creek   | Natalie Creek | Trail System        | Recreational Trail System   |                             | • Opportunities for partnerships between Village, Oak Forest, Crestwood, Robbins  
  • Water quality  
  • Could increase flood protection  
  • Opportunity to enhance aesthetics  
  • Connects to other trails and surrounding communities | Pros:  
  • Requires coordination with surrounding municipalities, Cook County Forest Preserve, among others  
  • Limited storage volume from green infrastructure improvements  
  • Requires maintenance of green features  
  Cons:  
  • MWRD  
  • Village  
  • Grants and partnerships  
  | Green infrastructure features will provide additional storage for overbank flooding from Natalie Creek. | N/A | MWRD  
  Village  
  Grants and partnerships | Topographic survey | N/A | - | N/A | N/A | N/A |
| 30              | SE   | 6.05-1        | Natalie Creek   | Property Buy-Outs Along Natalie Creek | Property Buy-Outs | Property Buy-Outs | Properties within the Natalie Creek floodplain that are susceptible to flooding above the 25-year event can be acquired and rehabilitated to store and retain stormwater. | Pros:  
  • Potential partnership with MWRD's flood-prone property acquisition program and South Suburban Land Bank  
  • Increase storage and protection along Natalie Creek  
  • Requires coordination and approval from private property owners  
  Cons:  
  • MWRD's Buyout Program  
  • Village  
  • Property owners  
  | Will alleviate in-street and private property flooding at various locations along Natalie Creek. | N/A | N/A | N/A | - | N/A | N/A | N/A | N/A |
| 31              | 6A   | N/A           | Village-wide    | Green Infrastructure Across Village | Program | Install green infrastructure on private and public properties including rain barrels, pervious driveways, rain gardens, and bioretention basins | Pros:  
  • Opportunities on public land  
  • Partnership with property owners  
  • Water quality treatment  
  • Opportunity for habitat restoration  
  • Opportunity to enhance aesthetics  
  • Opportunities for engagement  
  • Requires coordination and approval from Midlothian Park District (on park sites) and private property owners  
  • Green infrastructure will not provide the required storage volume to solve the Village's flooding issues  
  • Requires maintenance for green infrastructure  
  Cons:  
  • MWRD's GI Grant Program  
  • Village  
  • Grants and partnerships  
  • Individual property owners  
  | Will help alleviate both flooding on private properties and in-street flooding. | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |