

<b><u>Environmental Responsibility &amp; Parks</u></b>					
<b>#1 GOAL: Address Neighborhood Flooding &amp; Stormwater Issues</b>					
<b>Action</b>	<b>Neighborhood</b>	<b>Partners</b>	<b>City</b>	<b>Timeline</b>	<b>Costs</b>
Encourage the study, repair, maintenance, and improved design of infrastructure in areas that frequently flood	- Work with City Public Services to establish a plan to alleviate existing flooding and proactively prevent future flooding	- City of Kalamazoo - Neighborhood Associations, Residents, Businesses, Houses of Worship, and Schools	- Study the infrastructure to determine best way to address flooding - Implement new design or infrastructure as needed - Monitor areas where flooding has been resolved to ensure issue remains addressed		
Identify, map, and prioritize storm drains whose locations are less than optimal	Work with Public Services staff to prioritize future City budgets to update the storm water system to make it more effective; increase retention and infiltration areas to reduce flow into storm drains	As above	Work with ODWNA to identify and prioritize storm drain issues for future City budget consideration		
Promote the establishment of a regular street and storm drain maintenance schedule	Work with City Public Services staff to establish this schedule, and communicate this information to the neighborhood.	As above	Work with ODWNA to establish a regular street and storm drain maintenance schedule		
Promote the establishment of regular street sweeping schedule in storm water catchment areas	As above	As above			

<p>Make this area of the City (Oakland-Winchell, Parkview Hills, and Oakwood) a Zero Run-off Community, particularly as applied to neighborhood lakes and streams</p>	<ul style="list-style-type: none"> <li>- Work with surrounding neighborhoods to develop a Zero Run-Off strategy</li> <li>- Integrate Portage and Arcadia Creek Watershed Mgt. Plans into neighborhood plan as appropriate</li> <li>- Define and Implement a Zero Runoff Plan educational program</li> <li>- Engage with City Public Services and Partners for plan creation that ensures the goals: <ul style="list-style-type: none"> <li>- can be implemented</li> <li>- there is buy-in to implement</li> </ul> </li> </ul>	<p>As above and</p> <ul style="list-style-type: none"> <li>- Oakwood NA</li> <li>- Parkview Hills NA</li> <li>- Kalamazoo Nature Center</li> <li>- ALPA</li> <li>- ALMC</li> <li>- Stewards of Kleinstuck</li> <li>- State of Michigan</li> <li>- Kalamazoo Watershed Council</li> <li>- Wild Ones</li> </ul>	<ul style="list-style-type: none"> <li>- Participate in strategy development</li> <li>- Assist in acquiring grants to support planning effort and subsequent actions as possible</li> </ul>		
<p>Create an education program for neighborhood residents/workers on:</p> <ul style="list-style-type: none"> <li>- How to report flooding and storm drain backups to the City</li> <li>- The importance of storm drain maintenance</li> <li>- How residents/businesses play a role in the process (Refer to River Management Plan)</li> </ul>	<ul style="list-style-type: none"> <li>- Work with Partners to develop educational materials and resources to support the neighborhood's efforts</li> </ul>	<p>- As above and</p> <ul style="list-style-type: none"> <li>- WMU</li> <li>- MSU Extension – Master Gardener Program</li> </ul>	<p>Provide information and support on:</p> <ul style="list-style-type: none"> <li>- The stormwater system, including catchment areas and anticipated maintenance schedule</li> <li>- Ways property/business owners can assist in keeping it functioning</li> <li>- Develop an event or week of events around stormwater education</li> </ul>		

<p>Create informational signage at stormwater drains:</p> <ul style="list-style-type: none"> <li>- show where storm-drain water is discharged (e.g., Woods Lake, Arcadia Creek, Asylum Lake etc.)</li> <li>- encourage residents to be environmental stewards</li> </ul>	<p>Work with Partners to: gather information, create educational materials, and coordinate volunteers</p>	<ul style="list-style-type: none"> <li>- As above and</li> <li>- KPS/PTO: involve youth to promote stewardship</li> </ul>	<p>Work with neighborhood to provide: system information(which drains go where), any design requirements, and assist in any required permitting</p>		
<b>#2 GOAL: Protect and Sustainably Manage Neighborhood Natural Assets</b>					
<b>Action</b>	<b>Neighborhood</b>	<b>Partners</b>	<b>City</b>	<b>Timeline</b>	<b>Costs</b>
<p>Support the creation of the Natural Feature Protection (NFP) ordinance and the inclusion of all parcels in the neighborhood with NFP Natural Features into the NFP Overlay District - <b>NOTE: Map of proposed additional NFP parcels to be included at a later date</b></p>	<ul style="list-style-type: none"> <li>- Identify and provide City with information on areas in the neighborhood containing natural features that need to be protected and enhanced</li> <li>- Engage in city policy creation</li> </ul>	<ul style="list-style-type: none"> <li>- City of Kalamazoo</li> <li>- Neighborhood Associations, Residents, Businesses, Houses of Worship, and Schools</li> <li>- Kalamazoo Nature Center</li> <li>- ALPA</li> <li>- ALMC</li> <li>- Stewards of Kleinstuck</li> <li>- State of Michigan</li> <li>- Kalamazoo Watershed Council</li> <li>- Wild Ones</li> </ul>	<ul style="list-style-type: none"> <li>- Create the Natural Feature Protection ordinance</li> <li>- Engage with community to ensure all eligible natural features are identified and protected</li> <li>- Engage specifically with neighborhood association and property owners</li> </ul>		
<p>Ensure long term preservation of the Asylum Lake and Kleinstuck Preserves</p>	<p>Partner with WMU and other preserve Associations to keep the Preserves as passive recreation areas should WMU decide to divest themselves of the properties</p>	<p>As above and</p> <ul style="list-style-type: none"> <li>- Oakwood NA</li> <li>- Parkview Hills NA</li> <li>- WMU</li> <li>- Southwest Michigan Land Conservancy</li> </ul>	<ul style="list-style-type: none"> <li>- Reverse prior resolution to allow for future acquisition and/or management of the Preserves</li> </ul>		

Preserve and enhance the existing tree canopy and plant for the next generation of tree canopy	<ul style="list-style-type: none"> <li>- Publicize the issue</li> <li>- Create an inventory of trees viable over next 30 years</li> <li>- Educate the neighborhood on: <ul style="list-style-type: none"> <li>- Proper tree maintenance</li> <li>- How to report damage to trees in public right-of-ways</li> <li>- Sustainable tree planting</li> </ul> </li> </ul>	<p>As above and</p> <ul style="list-style-type: none"> <li>- Michigan State Extension Service</li> </ul>	<ul style="list-style-type: none"> <li>- Monitor the tree canopies with aerial images</li> <li>- Annually update tree inventory in neighborhood, including information provided by neighborhood on trees on private property</li> </ul>		
<b>#3 GOAL: Develop a Network of Parks, Urban Nature Routes, and Green-Space Buffer Zones</b>					
<b>Action</b>	<b>Neighborhood</b>	<b>Partners</b>	<b>City</b>	<b>Timeline</b>	<b>Costs</b>
Connect existing parks and natural spaces via an interconnected system of trails, sidewalks, and combination bike and pedestrian paths. <b>NOTE - See attached map below</b>	<ul style="list-style-type: none"> <li>- Seek input to delineate best routes; first priority route is Kleinstuck to Asylum Lake via Woods Lake and other neighborhood parks</li> <li>- Design "branded" wayfinding signage</li> </ul>	<ul style="list-style-type: none"> <li>- City of Kalamazoo</li> <li>- Neighborhood Associations, Residents, Businesses, Houses of Worship, and Schools</li> <li>- Kalamazoo Nature Center</li> <li>- ALPA</li> <li>- ALMC</li> <li>- Stewards of Kleinstuck</li> <li>- Wild Ones</li> </ul>	<ul style="list-style-type: none"> <li>- Work with neighborhood to create various routes, starting with a route that begins at Kleinstuck Preserve, ends at Asylum Lake Preserve, and connects through to: Woods Lake Park; Kensington Park, Glen Park; Canyon Park; and Hillside Park</li> <li>- Install branded wayfinding signage that creates complete route, including areas in the right-of-ways</li> </ul>		

Link Neighborhood nature routes with those in adjacent neighborhoods as feasible	Seek input from, and coordinate efforts to design these routes with Partners	As above and - Oakwood NA - Parkview Hills NA - Lakeside School			
Work to create additional neighborhood parks in under-served areas	- Engage in long term planning for creation of parks - Advocate with property owners (residential and commercial) to allow for natural areas to be used as green-space wildlife corridors or passive-recreation park-like spaces	As above	- Study area, evaluate financing options, and monitor neighborhood for property sales in underserved areas - Look for additional ways to connect existing green-spaces, and neighborhood and City parks		
Work with the City to develop a management plan to insure that City-owned property in the neighborhood is regularly maintained	- Seek neighborhood input to identify: - maintenance issues at parks - areas needing vegetative enhancement to act as buffers to traffic and noise	As above			
Support the creation of a comprehensive, City-wide map of all parks, trails, nature routes, and natural areas in the City; including privately-owned spaces that are open to the public	- Work with Partners to identify eligible areas in the neighborhood and around the City - Publicize map information via ODWNA communication plan	As above	Partner to: - Develop map - Post online - Print/distribute hard copies		

<p>Identify areas for future City acquisition for use as public parks, undeveloped green space, buffer zones along Neighborhood edges, or areas that would help “unify Neighborhood green way plans across the City for connectivity”.</p>	<ul style="list-style-type: none"> <li>- Educate and encourage property owners to manage property so that wildlife corridors and sustainable ecosystems are maintained</li> <li>- Integrated neighborhood wildlife and ecosystem preservation/enhancement work with similar programs in adjoining neighborhoods</li> <li>- Encourage and support ordinance changes that promote "green" buffer zones</li> </ul>	<p>As above</p>	<ul style="list-style-type: none"> <li>- Increase the number and width of buffer zones between single-family residential property and other property types/uses through sustainable management of vegetation, particularly trees</li> <li>- Seek to preserve woodlands and slopes that abut established residential areas, particularly along the edges of the neighborhood</li> </ul>		
<p><b>#4 GOAL: Become an Environmentally Friendly Neighborhood; Educate Residents/Businesses to be Stewards of the Neighborhood Natural Systems</b></p>					
<p>Action</p>	<p>Neighborhood</p>	<p>Partners</p>	<p>City</p>	<p>Timeline</p>	<p>Costs</p>

<p>Educate residents on:</p> <ul style="list-style-type: none"> <li>- ways to be good stewards of the environment</li> <li>- resources available to support good stewardship</li> </ul>	<p>Work with City and Partners to:</p> <ul style="list-style-type: none"> <li>- Create and publicize educational materials</li> <li>- Hold ODWNA meeting(s) dedicated to environmental stewardship, education, and resources</li> </ul>	<ul style="list-style-type: none"> <li>- City of Kalamazoo</li> <li>- Neighborhood Associations, Residents, Businesses, Houses of Worship, and Schools</li> <li>- Kalamazoo Nature Center</li> <li>- ALPA</li> <li>- ALMC</li> <li>- Stewards of Kleinstuck</li> <li>- State of Michigan</li> <li>- Kalamazoo Watershed Council</li> <li>- Wild Ones</li> <li>- Oakwood NA</li> <li>- Parkview Hills Assn.</li> <li>'- KPS/PTO: involve youth to promote stewardship (do you want this listed separately from neighborhood schools?)</li> </ul>	<p>Provide information on existing tools in place to protect environment, educational resources, and upcoming efforts to better protect the environment in Kalamazoo</p>		
---	---	---	--	--	--

<p>Champion a City-wide Climate Action Plan which includes neighborhood-oriented actions/goals that residents can help accomplish</p>	<p>-Help promote integrated site design (ASLA) and biophilic design concepts into all new projects in the neighborhood</p>	<p>As above</p>	<p>- Create the Climate Action Plan with city-wide/governmental actions          - Engage community in priorities and ideas          - Work with neighborhoods to create neighborhood- oriented actions</p>		
<p>Seek to prevent the spread of, and reduce and eliminate, invasive plants and diseases</p>	<p>Educate residents on:          - How to identify undesirable/desirable plants          - The signs and symptoms to neighborhood to stop spread          - What not to plant</p>	<p>As above</p>	<p>- Eliminate invasive plants and diseases from City-controlled property</p>		
<p>Promote biosustainability and biodiversity landscaping strategies</p>	<p>Work with Partners to:          - Create and publicize educational materials that encourage maintaining and planting of:              - bio-diverse plant species              - animal-friendly plant species              - native perennials that promote water retention and carbon sequestration in the soil              - plant species that will be more tolerant of predicted climate change</p>	<p>As above</p>	<p>Ensure wide distribution and availability of appropriate educational materials</p>		

<p>Study road salt alternatives and determine cost effective ways to implement these alternatives</p>	<ul style="list-style-type: none"> <li>- Participate in a pilot program trying salt alternatives</li> <li>- determine ways to promote alternatives to property owners</li> <li>- encourage non-salt use salt in winter</li> <li>- develop planted areas using salt tolerant trees and vegetation</li> </ul>	<ul style="list-style-type: none"> <li>- City of Kalamazoo</li> <li>- Neighborhood Associations, Residents, Businesses, Houses of Worship, and Schools</li> <li>- WMU</li> <li>- Kalamazoo College</li> <li>- KVCC</li> <li>- State of Michigan</li> <li>- Private sector businesses and organizations</li> </ul>	<p>Study alternatives to traditional road salt and initiate a pilot program(s) using ideal alternative(s) that are cost effective and environmentally friendly</p>		

# Oakland Winchell Parks and Open Space

## LEGEND

-  Park/ Open Space Proposed to be a part of new Urban Trail
-  Existing Park or Open Space

