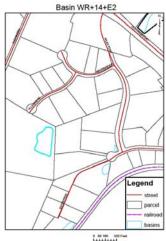


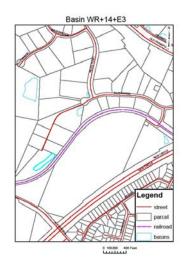


Additional Comments: No issues observed during inspection.



Basin ID #: WR+14+E2 **Property Owner:** Oldcastle Precast, Inc. Address of Basin: 747 Allenridge Court **Type of Basin:** Detention Basin Basin Acreage: 1.68 acres **Drainage Area Land Use:** Industrial **Drainage Acreage:** 15.51 acres Adjacent Land Use: Industrial, Allenridge Court FEMA Floodplain: No **Utility Issues:** Sewer **Channel Length:** No Channel Present **Retrofit Options: Extend Detention Infiltration Modify Riser Tree Planting** Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention Change Geometry **Filtering Practice Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education Remove Concrete Bottom Litter Control** Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site** Repair Bank Erosion <u>Issues</u>





<u>Basin ID #:</u> WR+14+E3 <u>Property Owner:</u> Enterprise Office & Warehouse, LLC

<u>Address of Basin:</u> 1050 Enterprise DRive <u>Type of Basin:</u> Detention Basin

<u>Basin Acreage:</u> 0.71 acres <u>Drainage Area Land Use:</u> Industrial

<u>Drainage Acreage:</u> 91.55 acres <u>Adjacent Land Use:</u> Industrial, Train Tracks

<u>FEMA Floodplain:</u> No <u>Utility Issues:</u> Overhead Wires

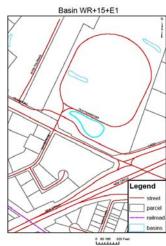
Retrofit Options:

Channel Length: Approx. 400 feet (Creek)

	Extend Detention		<u>Infiltration</u>
	Modify Riser		Tree Planting
	Increase Embankment Height		Rain Garden
	Excavate Bottom		Bioretention
	Change Geometry		Filtering Practice
	Channel Condition		<u>OTHER</u>
	Add Meanders/Modify Internal Design		Public Education
	Remove Concrete Bottom		Litter Control
	Add Forebay		Bank Stabilization
	Add Micropool	Орр	ortunity to Retrofit Limited Due to Site

<u>Additional Comments:</u> No issues observed during inspection. It appears there is a wetland area and pond located in the northeastern portion of the basin.





Basin ID #: WR+15+E1		<u>Pı</u>	Property Owner: LFUCG Detention Center Corporation				
<u>Add</u>	ress of	F Basin: 2025 Old Frankfort Pike	<u>T</u> \	ype of	f Basin: Retention Pond		
<u>Basi</u>	n Acre	age: 1.75 acres		<u>Drainage Area Land Use:</u> Institutional (Detention			
<u>Drai</u>	nage A	Acreage: 22.95 acres		Center)			
FEMA Floodplain: No		<u>A</u>	Adjacent Land Use: Industrial, Old Frankfort Pike				
<u>Cha</u>	nnel Le	ength: N/A	<u>U</u>	<u>Utility Issues:</u> Electric			
Retrofit Options:							
		Extend Detention			<u>Infiltration</u>		
		Modify Riser			Tree Planting		
		Increase Embankment Height			Rain Garden		
		Excavate Bottom			Bioretention		
		Change Geometry			Filtering Practice		
		Channel Condition			<u>OTHER</u>		
		Add Meanders/Modify Internal Design			Public Education		
		Remove Concrete Bottom			Litter Control		
		Add Forebay			Bank Stabilization		
		Add Micropool		Орр	ortunity to Retrofit Limited Due to Site		
		Repair Bank Erosion		Issue	<u>es</u>		
<u>Add</u>	itional	Comments: No issues observed during in	specti	on.			



Additional Comments: No issues observed during inspection.



Basin ID #: WR+22+30.25 **Property Owner:** William McAlpin **Address of Basin:** 1201 Plymouth Rock **Type of Basin:** Retention Pond Basin Acreage: 1.48 acres **Drainage Area Land Use:** Residential/Single Family Homes **Drainage Acreage:** 29.96 acres Adjacent Land Use: Residential, Versailles Road to the FEMA Floodplain: No North **Channel Length:** N/A **Utility Issues:** Electric, Overhead Wires **Retrofit Options: Extend Detention Infiltration Modify Riser** Tree Planting Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention **Change Geometry Filtering Practice Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education** Remove Concrete Bottom Litter Control Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site** Repair Bank Erosion Issues





Basin ID #: WR+22+38.47 **Property Owner:** Charles and Suzanne Peal Address of Basin: 4205 John Alden **Type of Basin:** Retention Pond Basin Acreage: 0.44 acres **Drainage Area Land Use:** Residential/Single Family Homes **Drainage Acreage:** 14.95 acres Adjacent Land Use: Residential FEMA Floodplain: No **Utility Issues:** Electric **Channel Length: N/A Retrofit Options: Extend Detention Infiltration Modify Riser** Tree Planting Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention **Change Geometry Filtering Practice Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education Remove Concrete Bottom Litter Control** Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site** Repair Bank Erosion <u>Issues</u>

Additional Comments: No issues observed during inspection.





Property Owner: LFUCG Basin ID #: WR+22+40.89

Address of Basin: 1240 Cross Reys Road		<u>1</u>	Type of Basin: Retention Pond			
Basin Acreage: 4.09 acres		<u>Drainage Area Land Use:</u> Residential/Single Family				
Drainage Acreage: 281.21 acres		Н	Homes			
FEMA Floodplain: Yes		<u>A</u>	Adjacent Land Use: Residential			
Channel Length: N/A		<u>Utility Issues:</u> None observed during inspection				
Retrofit Options:						
		Extend Detention			<u>Infiltration</u>	
		Modify Riser			Tree Planting	
		Increase Embankment Height			Rain Garden	
		Excavate Bottom			Bioretention	
		Change Geometry			Filtering Practice	
		<u>Channel Condition</u>			<u>OTHER</u>	
		Add Meanders/Modify Internal Design			Public Education	
		Remove Concrete Bottom			Litter Control	
		Add Forebay			Bank Stabilization	
		Add Micropool		Орр	ortunity to Retrofit Limited Due to Site	
		Repair Bank Erosion		Issu	<u>es</u>	

Additional Comments: No riser visible during inspection. Base of dam in good condition; although several large diameter trees are present in dam. Sheen patches present on southeastern portion of bank. Unknown if petroleum product is seeping into the pond. It is recommended that this be investigated to determine source of the sheen.



Repair Bank Erosion



Property Owner: Multiple Owners Basin ID #: WR+22+E1 Address of Basin: John Alden Lane & Cape Cod Circle **Type of Basin:** Retention Pond Basin Acreage: 5.31 acres **Drainage Area Land Use:** Residential/Single Family Homes **Drainage Acreage:** 28.95 acres **Adjacent Land Use:** Residential FEMA Floodplain: No **Utility Issues:** Sanitary Sewer, Gas, Overhead Wires **Channel Length:** N/A **Retrofit Options: Extend Detention** Infiltration **Modify Riser** Tree Planting Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention Change Geometry **Filtering Practice Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education Remove Concrete Bottom Litter Control** Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site**

Additional Comments: No issues observed during inspection. Multiple Owners limits opportunity for retrofit.

<u>Issues</u>





Basin ID #: WR+22+X20 **Property Owner:** William Howard Address of Basin: 1436 Saddleclub **Type of Basin:** Detention Basin Basin Acreage: 0.69 acres **Drainage Area Land Use:** Residential/Single Family Homes **Drainage Acreage:** 2.37 acres Adjacent Land Use: Residential FEMA Floodplain: No **Utility Issues:** Sewer **Channel Length:** No Channel Present **Retrofit Options: Extend Detention Infiltration Modify Riser** Tree Planting Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention **Change Geometry Filtering Practice Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education Remove Concrete Bottom Litter Control** Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site** Repair Bank Erosion <u>Issues</u>

Additional Comments: No issues observed during inspection.





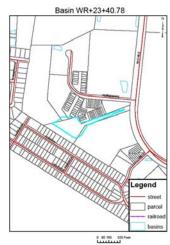
Basin ID #: WR+22+X21			<u>P</u>	Property Owner: Multiple Owners				
<u>Addı</u>	ress of	Basin: 2504 Bridle Court	<u>T</u>	ype o	F Basin: Retention Pond			
<u>Basiı</u>	n Acre	age: 3.28 acres	<u>Drainage Area Land Use:</u> Residential/Single Family					
<u>Draiı</u>	nage A	Acreage: 15.48 acres	Н	Homes				
FEM.	A Floo	odplain: No	Adjacent Land Use: Residential					
Channel Length: N/A		<u>U</u>	<u>Utility Issues:</u> Cable, Electric, Sewer					
Retro	ofit O	otions:						
		Extend Detention			Infiltration			
		Modify Riser			Tree Planting			
		Increase Embankment Height			Rain Garden			
		Excavate Bottom			Bioretention			
		Change Geometry			Filtering Practice			
		<u>Channel Condition</u>			OTHER			
		Add Meanders/Modify Internal Design			Public Education			
		Remove Concrete Bottom			Litter Control			
		Add Forebay			Bank Stabilization			
		Add Micropool	\boxtimes	<u>Opp</u>	ortunity to Retrofit Limited Due to Site			
		Repair Bank Erosion		Issu	<u>es</u>			

<u>Additional Comments:</u> Only issues observed during inspection are that the 24-inch inlet located in north corner of the retention pond may need to be cleared of sediment build-up and that a small diameter tree growing in channel may need to be removed. Multiple owners limits opportunity for retrofit.



Add Micropool

Repair Bank Erosion



Opportunity to Retrofit Limited Due to Site

Basin ID #: WR+23+40.78 Property Owner: LFUCG Address of Basin: 901 Red Mile Road **Type of Basin:** Detention Basin Basin Acreage: 2.45 acres **Drainage Area Land Use:** Residential/Single Family Homes, Townhomes **Drainage Acreage:** 33.78 acres Adjacent Land Use: Residential/Single Family Homes, FEMA Floodplain: No **Townhomes Channel Length:** Drainage Ditch Approx. 760 feet **Utility Issues:** Sewer, Cable, Overhead Wires **Retrofit Options: Infiltration Extend Detention Modify Riser** Tree Planting Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention **Change Geometry Filtering Practice Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education** Remove Concrete Bottom Litter Control Add Forebay **Bank Stabilization**

<u>Additional Comments:</u> No issues observed during inspection. Scattered litter was present throughout the basin at the time of the inspection.

Issues





Basin ID #: WR+23+B1 **Property Owner:** Serenity PLC LLC Address of Basin: 1586 Hill View Place **Type of Basin:** Detention Basin Basin Acreage: 0.41 acres **Drainage Area Land Use:** Residential/Single Family Homes, Townhomes **Drainage Acreage:** 5.63 acres Adjacent Land Use: Residential FEMA Floodplain: No **<u>Utility Issues:</u>** None observed during inspection **Channel Length:** No channel **Retrofit Options:** <u>Infiltration</u> **Extend Detention Modify Riser** Tree Planting Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention **Change Geometry Filtering Practice Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education Remove Concrete Bottom Litter Control** Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site** Repair Bank Erosion <u>Issues</u>

<u>Additional Comments:</u> No issues observed during inspection.





Basin ID #: WR+23+E2 **Property Owner:** LFUCG Housing Authority Address of Basin: 1592 Hill View Place **Type of Basin:** Detention Basin Basin Acreage: 0.49 acres Drainage Area Land Use: Residential/Single Family Homes Drainage Acreage: 4.48 acres Adjacent Land Use: Residential FEMA Floodplain: No **Utility Issues:** Sewer Channel Length: Main Channel Approx. 180 feet **Retrofit Options: Extend Detention Infiltration Modify Riser** Tree Planting Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention Change Geometry **Filtering Practice** \boxtimes \boxtimes **Channel Condition OTHER** Public Education Add Meanders/Modify Internal Design **Remove Concrete Bottom Litter Control** Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site** Repair Bank Erosion <u>Issues</u>

<u>Additional Comments:</u> Extremely heavy sediment, debris, and trash build-up at base of riser and clogging the outlet. Clearing this material could be beneficial to allow water to exit the outlet. Due to lengthy concrete channel, a micropool could be constructed to create an area where sediment could settle prior to exiting the detention basin.

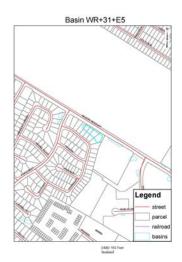




Basin ID #: WR+30+E4 **Property Owner:** LFUCG Address of Basin: 2000 Parkers Mill Road **Type of Basin:** Retention Pond Basin Acreage: 1.10 acres **Drainage Area Land Use:** Park, Parking Lot **Drainage Acreage:** 15.32 acres Adjacent Land Use: Park, Parkers Mill Road, New Circle Road FEMA Floodplain: No **Utility Issues:** Water, Overhead Wires **Channel Length: N/A Retrofit Options:** <u>Infiltration</u> **Extend Detention Modify Riser** Tree Planting Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention **Change Geometry Filtering Practice Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education Remove Concrete Bottom Litter Control** Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site** Repair Bank Erosion <u>Issues</u>

Additional Comments: No issues observed during inspection.





Basin ID #: WR+31+E5

Address of Basin: 750 Mason Headley Road

Basin Acreage: 0.64 acres

Drainage Acreage: 26.97 acres

FEMA Floodplain: No

Channel Length: Approx. 125 feet (Main Channel)

<u>Property Owner:</u> Mason Headley Development

Company

Type of Basin: Detention Basin

Drainage Area Land Use: Residential/Single Family

Homes

Adjacent Land Use: Residential, Mason Headley Road,

Chandler Lane

<u>Utility Issues:</u> Overhead Wires, Sanitary Sewer

Retrofit Options:

	Extend Detention		<u>Infiltration</u>
	Modify Riser		Tree Planting
	Increase Embankment Height		Rain Garden
	Excavate Bottom		Bioretention
	Change Geometry		Filtering Practice
	Channel Condition		<u>OTHER</u>
	Add Meanders/Modify Internal Design		Public Education
	Remove Concrete Bottom		Litter Control
	Add Forebay		Bank Stabilization
	Add Micropool	Орр	ortunity to Retrofit Limited Due to Site
	Repair Bank Erosion	Issu	<u>es</u>

<u>Additional Comments:</u> At the time of the inspection, there was a moderate amount of sediment that has accumulated within the concrete channel leading up to the riser/outlet. Thick grass is currently growing in the concrete channel near the riser/outlet, which could be beneficial because it can act as a filter. However, the bare sediment upstream could be removed during maintenance.



Additional Comments: No issues observed during inspection.



Basin ID #: WR+32+37.77 **Property Owner:** University of Kentucky Address of Basin: 1100 Nicholasville Road **Type of Basin:** Retention Pond Basin Acreage: 1.37 acres **Drainage Area Land Use:** Institutional (College Campus), Nicholasville Road **Drainage Acreage:** 21.77 acres Adjacent Land Use: Institutional (College Campus), FEMA Floodplain: No Nicholasville Road **Channel Length:** N/A **<u>Utility Issues:</u>** Sewer, Water, Electric **Retrofit Options: Extend Detention** <u>Infiltration</u> **Modify Riser** Tree Planting Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention **Change Geometry Filtering Practice Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education** Remove Concrete Bottom Litter Control Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site** Repair Bank Erosion Issues



Additional Comments: No issues observed during inspection.



Property Owner: University of Kentucky Basin ID #: WR+32+40.70 Address of Basin: 1100 Nicholasville Road **Type of Basin:** Detention Basin Basin Acreage: 0.64 acres Drainage Area Land Use: Institutional (College Campus), Cooper Drive **Drainage Acreage:** 42.50 acres Adjacent Land Use: Institutional (College Campus), FEMA Floodplain: No Cooper Drive **Channel Length:** No Channel Present **Utility Issues:** None observed during inspection **Retrofit Options: Extend Detention Infiltration Modify Riser** Tree Planting Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention **Change Geometry Filtering Practice Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education** Remove Concrete Bottom Litter Control Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site** Repair Bank Erosion Issues



Add Micropool

Repair Bank Erosion



Opportunity to Retrofit Limited Due to Site

Property Owner: University of Kentucky Basin ID #: WR+32+48.36 Address of Basin: 1100 Nicholasville Road **Type of Basin:** Detention Basin Basin Acreage: 0.83 acres Drainage Area Land Use: Institutional (College Campus) **Drainage Acreage:** 19.06 acres Adjacent Land Use: Institutional (College Campus) FEMA Floodplain: No **Utility Issues:** Sewer, Water, Gas **Channel Length:** Approx. 160 feet (all rip-rap) **Retrofit Options: Infiltration Extend Detention Modify Riser Tree Planting** Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention **Change Geometry Filtering Practice Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education Remove Concrete Bottom Litter Control** Add Forebay **Bank Stabilization**

<u>Additional Comments:</u> No issues observed during inspection. It appears a wetland area is present in the northwestern portion of the basin.

<u>Issues</u>





Basin ID #: WR+32+C4 **Property Owner:** Campus Rental Properties LLC Address of Basin: 201 Simpson Avenue **Type of Basin:** Detention Basin Basin Acreage: 0.52 acres **Drainage Area Land Use:** Residential/Single Family Homes, Apartments **Drainage Acreage:** 13.56 acres Adjacent Land Use: Residential FEMA Floodplain: No **<u>Utility Issues:</u>** Water (hydrants), Electric, Overhead Channel Length: Deep Ditch-line Approx. 170 feet Wires **Retrofit Options: Extend Detention Infiltration** Tree Planting **Modify Riser** Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention **Change Geometry Filtering Practice Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education** Remove Concrete Bottom Litter Control Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site** Repair Bank Erosion Issues Additional Comments: No issues observed during inspection.





Basin ID #: WR+32+E25 **Property Owner:** University of Kentucky Address of Basin: 1100 Nicholasville Road **Type of Basin:** Detention Basin **<u>Drainage Area Land Use:</u>** Institutional (College Campus) Basin Acreage: 1.06 acres **Drainage Acreage:** 10.89 acres Adjacent Land Use: Institutional (College Campus), **Cooper Drive** FEMA Floodplain: No **Utility Issues:** Sewer, Water, Electric Channel Length: Approx. 30 feet **Retrofit Options: Extend Detention Infiltration Modify Riser** Tree Planting Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention **Change Geometry Filtering Practice Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education Remove Concrete Bottom Litter Control** Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site** Repair Bank Erosion <u>Issues</u>

Additional Comments: No issues observed during inspection.





Property Owner: University of Kentucky Basin ID #: WR+32+E26 Address of Basin: 1100 Nicholasville Road **Type of Basin:** Detention Basin Basin Acreage: 0.50 acres Drainage Area Land Use: Institutional (College Campus), Roads (Nicholasville, Alumni & service road) **Drainage Acreage:** 7.41 acres Adjacent Land Use: Institutional (College Campus), FEMA Floodplain: No Residential, Roads **Channel Length:** No Channel Present **<u>Utility Issues:</u>** Sewer, Water, Gas, Electric, Overhead Wires **Retrofit Options: Extend Detention Infiltration Modify Riser** Tree Planting Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention Change Geometry **Filtering Practice Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education** Remove Concrete Bottom **Litter Control** Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site** Repair Bank Erosion <u>Issues</u>

Additional Comments: No issues observed during inspection.

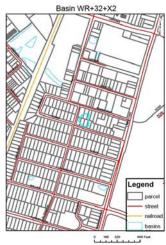




Property Owner: University of Kentucky Basin ID #: WR+32+E28 Address of Basin: 1100 Nicholasville Road **Type of Basin:** Detention Basin Basin Acreage: 0.99 acres Drainage Area Land Use: Institutional (College Campus) **Drainage Acreage:** 23.25 acres Adjacent Land Use: Institutional (College Campus), Residential, Alumni Drive FEMA Floodplain: No **Utility Issues:** Overhead Wires **Channel Length:** No Channel Present **Retrofit Options: Extend Detention Infiltration Modify Riser** Tree Planting Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention **Change Geometry Filtering Practice Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education Remove Concrete Bottom Litter Control** Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site** Repair Bank Erosion <u>Issues</u>

<u>Additional Comments:</u> No issues observed during inspection. Possible sinkhole forming in central portion of the basin. May need to be further inspected to determine if sinkhole is forming.





Property Owner: Commonwealth of Kentucky, FBO U.K. Basin ID #: WR+32+X2 Address of Basin: Conn Terrace & Transcript Ave. **Type of Basin:** Detention Basin Basin Acreage: 0.46 acres Drainage Area Land Use: Institutional, Residential, Roads **Drainage Acreage:** 66.41 acres Adjacent Land Use: Institutional, Residential, Roads FEMA Floodplain: No **<u>Utility Issues:</u>** Sewer, Electric, Overhead Wires, Vault Channel Length: Approx. 170 feet **Retrofit Options: Extend Detention Infiltration Modify Riser** Tree Planting Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention **Change Geometry Filtering Practice** \boxtimes **Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education Remove Concrete Bottom Litter Control** Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site** Repair Bank Erosion <u>Issues</u>

<u>Additional Comments:</u> Due to long concrete channel, constructing a micropool in front of outlet could be considered to allow pollutants to settle prior to exiting the detention basin.





Basin ID #: WR+39+E6

Address of Basin: 601 Hill N Dale

Basin Acreage: 0.71 acres

Drainage Acreage: 17.71 acres

FEMA Floodplain: No

Channel Length: Grassy Ditchline Approx. 150 feet

<u>Property Owner:</u> Roman Catholic Diocese of Lexington

Type of Basin: Detention Basin

<u>Drainage Area Land Use:</u> Institutional (School/Church)

Adjacent Land Use: Residential, Park, School (Clays Mill)

<u>Utility Issues:</u> Sewer, Electric, Overhead Wires, Vault

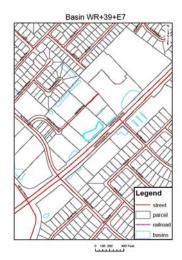
Retrofit Options:

	Extend Detention		<u>Infiltration</u>
	Modify Riser		Tree Planting
	Increase Embankment Height		Rain Garden
	Excavate Bottom		Bioretention
	Change Geometry		Filtering Practice
	Channel Condition		<u>OTHER</u>
	Add Meanders/Modify Internal Design		Public Education
	Remove Concrete Bottom		Litter Control
	Add Forebay		Bank Stabilization
	Add Micropool	Орр	ortunity to Retrofit Limited Due to Site
	Repair Bank Erosion	Issue	<u>es</u>

<u>Additional Comments:</u> No issues observed during inspection.



Repair Bank Erosion



Property Owner: Members Heritage Fed. Credit Union Basin ID #: WR+39+E7 Address of Basin: 2420 Members Way **Type of Basin:** Detention Basin Basin Acreage: 0.66 acres Drainage Area Land Use: Institutional (U.K. Clinic South), Bank **Drainage Acreage:** 9.94 acres Adjacent Land Use: Institutional (U.K. Clinic South), FEMA Floodplain: No Bank Channel Length: Approx. 185 feet **Utility Issues:** Cable, Electric **Retrofit Options: Extend Detention Infiltration** Tree Planting **Modify Riser** Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention **Filtering Practice Change Geometry** \boxtimes **Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education** Remove Concrete Bottom Litter Control Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site**

<u>Additional Comments:</u> Due to long concrete channel, constructing a micropool in front of outlet could be considered to allow pollutants to settle prior to exiting the detention basin.

<u>Issues</u>



Additional Comments: No issues observed during inspection.



Basin ID #: WR+39+X98 **Property Owner:** Southcreek Properties Partnership Address of Basin: 2365 Harrodsburd Road **Type of Basin:** Retention Pond Basin Acreage: 0.79 acres **Drainage Area Land Use:** Business (Mass Mutual), Harrodsburg Road **Drainage Acreage:** 6.53 acres Adjacent Land Use: Businesses, Harrodsburg Road FEMA Floodplain: No **Utility Issues:** Lights, Electric **Channel Length: N/A Retrofit Options: Extend Detention Infiltration Modify Riser** Tree Planting Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention **Change Geometry Filtering Practice Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education Remove Concrete Bottom Litter Control** Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site** Repair Bank Erosion <u>Issues</u>



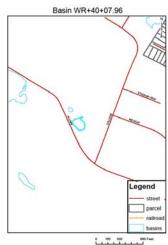


Basin ID #: WR+40+01.43 **Property Owner:** LFUCG Address of Basin: 84 Southport Drive **Type of Basin:** Detention Basin Basin Acreage: 1.62 acres **<u>Drainage Area Land Use:</u>** Commercial, Residential **Drainage Acreage:** 39.70 acres Adjacent Land Use: Commercial, Residential, Southland Drive FEMA Floodplain: No **Utility Issues:** Overhead Wires Channel Length: Approx. 325 feet **Retrofit Options:** <u>Infiltration</u> **Extend Detention Modify Riser** Tree Planting Rain Garden Increase Embankment Height **Excavate Bottom** Bioretention **Change Geometry Filtering Practice Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education Remove Concrete Bottom Litter Control** Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site** Repair Bank Erosion <u>Issues</u>

Additional Comments: No issues observed during inspection.



Additional Comments: No issues observed during inspection.



Basin ID #: WR+40+07.96 **Property Owner:** University of Kentucky Address of Basin: 1100 Nicholasville Road **Type of Basin:** Detention Basin Basin Acreage: 0.48 acres Drainage Area Land Use: Institutional (College Campus), Parking lots **Drainage Acreage:** 9.35 acres Adjacent Land Use: Institutional (College Campus), FEMA Floodplain: No Parking Lots, Alumni Road Channel Length: Approx. 130 feet **Utility Issues:** Electric **Retrofit Options: Extend Detention Infiltration Modify Riser** Tree Planting Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention **Change Geometry Filtering Practice Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education** Remove Concrete Bottom Litter Control Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site** Repair Bank Erosion Issues

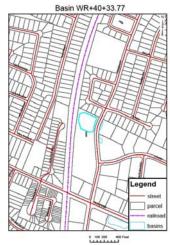




Property Owner: University of Kentucky Basin ID #: WR+40+14.78 Address of Basin: 1100 Nicholasville Road **Type of Basin:** Detention Basin Basin Acreage: 0.43 acres Drainage Area Land Use: Institutional (College Campus), Residential (apartments) **Drainage Acreage:** 26.89 acres Adjacent Land Use: Institutional (College Campus), FEMA Floodplain: No Residential (apartments) **Channel Length:** No Channel Present **Utility Issues:** None visible during inspection **Retrofit Options: Extend Detention Infiltration** Tree Planting **Modify Riser** Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention **Change Geometry Filtering Practice Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education** Remove Concrete Bottom Litter Control Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site** <u>Issues</u> Repair Bank Erosion

<u>Additional Comments:</u> No issues observed during inspection. It appears there is a wetland area present in western portion of the basin.

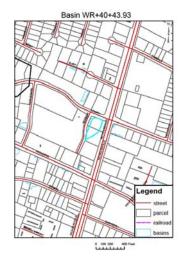




Basin ID #: WR+40+33.77 **Property Owner:** BBPH Properties LLC Address of Basin: 2201 Regency Road **Type of Basin:** Detention Basin Basin Acreage: 1.15 acres Drainage Area Land Use: Residential/Single Family Homes **Drainage Acreage:** 16.37 acres **Adjacent Land Use:** Residential, Businesses, Train Tacks FEMA Floodplain: No **Utility Issues:** Overhead Wires Channel Length: (Main) Approx. 300 feet **Retrofit Options: Extend Detention Infiltration Modify Riser** Tree Planting Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention **Change Geometry Filtering Practice** \boxtimes **Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education Remove Concrete Bottom Litter Control** Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site** Repair Bank Erosion <u>Issues</u>

<u>Additional Comments:</u> In lieu of removing lengthy concrete channel, a micropool could be constructed to create an area where pollutants could settle prior to the water exiting the detention basin.

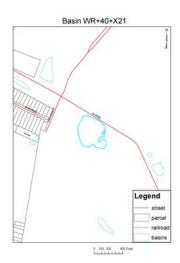




Basin ID #: WR+40+43.93 **Property Owner:** Weingarten Realty Investors Address of Basin: 2350 Norman Lane **Type of Basin:** Detention Basin Basin Acreage: 0.91 acres **Drainage Area Land Use:** Commercial (Regency Center) **Drainage Acreage:** 16.25 acres Adjacent Land Use: Commercial, Lowry Lane, Nicholasville Road FEMA Floodplain: No **Utility Issues:** Sewer Channel Length: (Concrete) Approx. 175 feet **Retrofit Options:** \boxtimes **Extend Detention** Infiltration **Modify Riser** Tree Planting Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention Change Geometry **Filtering Practice Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education Remove Concrete Bottom** Litter Control Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site** Repair Bank Erosion <u>Issues</u>

<u>Additional Comments:</u> Heavy sediment build-up at intersection of the concrete channel and dirt channel, which is preventing flow. Also, large areas of very soft, saturated soil are present in basin. Removing the sediment from the channels to maintain flow and planting trees within the basin could be considered. Please note that the shape of this basin has changed; what used to be the southwestern tip is now the parking lot for a portion of the strip mall.





Basin ID #: WR+40+X21

Address of Basin: 1100 Nicholasville Road

Basin Acreage: 3.12 acres

Drainage Acreage: 56.04 acres

FEMA Floodplain: No

Channel Length: No Primary Channel Observed

Property Owner: Commonwealth of Kentucky

Type of Basin: Detention Basin

Drainage Area Land Use: Institutional (College Campus),

Parking Lots

Adjacent Land Use: Institutional (College Campus),

Alumni Drive, Parking Lots

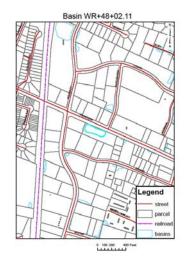
Utility Issues: Storm Sewer and Electric

Retrofit Options:

	Extend Detention		<u>Infiltration</u>
	Modify Riser		Tree Planting
	Increase Embankment Height		Rain Garden
	Excavate Bottom		Bioretention
	Change Geometry		Filtering Practice
\boxtimes	Channel Condition		OTHER
	Add Meanders/Modify Internal Design		Public Education
	Remove Concrete Bottom		Litter Control
	Add Forebay		Bank Stabilization
	Add Micropool	Орр	ortunity to Retrofit Limited Due to Site
	Renair Bank Frosion	Issu	25

Additional Comments: Channel condition may need to be improved; in area between inlet I-2 and the outlet, water is flowing too rapidly to allow settling of pollutants. Adding a micropool in front of outlet could be considered. Also, in southeastern lobe and southern half of basin, there is a lot of ponding and water stagnation because no channel is present to allow water movement. Constructing a channel in this area could be considered to improve water flow through the basin.





Property Owner: BBPH Properties LLC Basin ID #: WR+48+02.11 Address of Basin: 190 Pasadena Drive **Type of Basin:** Retention Pond Basin Acreage: 0.61 acres Drainage Area Land Use: Various businesses and Pasadena Drive **Drainage Acreage:** 6.19 acres **Adjacent Land Use:** Various Businesses and Pasadena FEMA Floodplain: No Drive **Channel Length: N/A Utility Issues:** None observed during inspection **Retrofit Options: Extend Detention Infiltration** Tree Planting **Modify Riser** Increase Embankment Height Rain Garden **Excavate Bottom** Bioretention **Change Geometry Filtering Practice Channel Condition OTHER** Add Meanders/Modify Internal Design **Public Education** Remove Concrete Bottom Litter Control Add Forebay **Bank Stabilization** Add Micropool **Opportunity to Retrofit Limited Due to Site** <u>Issues</u> Repair Bank Erosion

<u>Additional Comments:</u> Moderate-to-high levels of algal blooms present on top of water during inspection. Some type of aeration unit (fountain) could be beneficial to improve water. No other issues observed during inspection.