

## APPENDIX A – BASIN RETROFIT DATA SHEETS

**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+14+E2

**Address of Basin:** 747 Allenridge Court

**Basin Acreage:** 1.68 acres

**Drainage Acreage:** 15.51 acres

**FEMA Floodplain:** No

**Channel Length:** No Channel Present

**Retrofit Options:**

☐

**Extend Detention**

- ☐ Modify Riser
- ☐ Increase Embankment Height
- ☐ Excavate Bottom
- ☐ Change Geometry

☐

**Channel Condition**

- ☐ Add Meanders/Modify Internal Design
- ☐ Remove Concrete Bottom
- ☐ Add Forebay
- ☐ Add Micropool
- ☐ Repair Bank Erosion

☐

**Infiltration**

- ☐ Tree Planting
- ☐ Rain Garden
- ☐ Bioretention
- ☐ Filtering Practice

☐

**OTHER**

- ☐ Public Education
- ☐ Litter Control
- ☐ Bank Stabilization

☐

**Opportunity to Retrofit Limited Due to Site Issues**

**Property Owner:** Oldcastle Precast, Inc.

**Type of Basin:** Detention Basin

**Drainage Area Land Use:** Industrial

**Adjacent Land Use:** Industrial, Allenridge Court

**Utility Issues:** Sewer

**Additional Comments:** No issues observed during inspection.

**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+14+E3

**Address of Basin:** 1050 Enterprise Drive

**Basin Acreage:** 0.71 acres

**Drainage Acreage:** 91.55 acres

**FEMA Floodplain:** No

**Channel Length:** Approx. 400 feet (Creek)

**Retrofit Options:**

- |  |  |
|--|--|
| <input type="checkbox"/> <b><u>Extend Detention</u></b>      |  |
| <input type="checkbox"/> Modify Riser                        |  |
| <input type="checkbox"/> Increase Embankment Height          |  |
| <input type="checkbox"/> Excavate Bottom                     |  |
| <input type="checkbox"/> Change Geometry                     |  |
| <input type="checkbox"/> <b><u>Channel Condition</u></b>     |  |
| <input type="checkbox"/> Add Meanders/Modify Internal Design |  |
| <input type="checkbox"/> Remove Concrete Bottom              |  |
| <input type="checkbox"/> Add Forebay                         |  |
| <input type="checkbox"/> Add Micropool                       |  |
| <input type="checkbox"/> Repair Bank Erosion                 |  |

- |   |  |
|---|--|
| <input type="checkbox"/> <b><u>Infiltration</u></b>                                       |  |
| <input type="checkbox"/> Tree Planting  |  |
| <input type="checkbox"/> Rain Garden  |  |
| <input type="checkbox"/> Bioretention   |  |
| <input type="checkbox"/> Filtering Practice   |  |
| <input type="checkbox"/> <b><u>OTHER</u></b>  |  |
| <input type="checkbox"/> Public Education   |  |
| <input type="checkbox"/> Litter Control   |  |
| <input type="checkbox"/> Bank Stabilization   |  |
| <input type="checkbox"/> <b><u>Opportunity to Retrofit Limited Due to Site Issues</u></b> |  |

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

**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+15+E1

**Address of Basin:** 2025 Old Frankfort Pike

**Basin Acreage:** 1.75 acres

**Drainage Acreage:** 22.95 acres

**FEMA Floodplain:** No

**Channel Length:** N/A

**Retrofit Options:**

☐

**Extend Detention**

☐

Modify Riser

☐

Increase Embankment Height

☐

Excavate Bottom

☐

Change Geometry

☐

**Channel Condition**

☐

Add Meanders/Modify Internal Design

☐

Remove Concrete Bottom

☐

Add Forebay

☐

Add Micropool

☐

Repair Bank Erosion

☐

**Infiltration**

☐

Tree Planting

☐

Rain Garden

☐

Bioretention

☐

Filtering Practice

☐

**OTHER**

☐

Public Education

☐

Litter Control

☐

Bank Stabilization

☐

**Opportunity to Retrofit Limited Due to Site Issues**

**Additional Comments:** No issues observed during inspection.

**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+22+30.25

**Address of Basin:** 1201 Plymouth Rock

**Basin Acreage:** 1.48 acres

**Drainage Acreage:** 29.96 acres

**FEMA Floodplain:** No

**Channel Length:** N/A

**Retrofit Options:**

- ☐ **Extend Detention**
- ☐ Modify Riser
  - ☐ Increase Embankment Height
  - ☐ Excavate Bottom
  - ☐ Change Geometry

- ☐ **Channel Condition**
- ☐ Add Meanders/Modify Internal Design
  - ☐ Remove Concrete Bottom
  - ☐ Add Forebay
  - ☐ Add Micropool
  - ☐ Repair Bank Erosion

- ☐ **Infiltration**
- ☐ Tree Planting
  - ☐ Rain Garden
  - ☐ Bioretention
  - ☐ Filtering Practice

- ☐ **OTHER**
- ☐ Public Education
  - ☐ Litter Control
  - ☐ Bank Stabilization

☐ **Opportunity to Retrofit Limited Due to Site Issues**

**Property Owner:** William McAlpin

**Type of Basin:** Retention Pond

**Drainage Area Land Use:** Residential/Single Family Homes

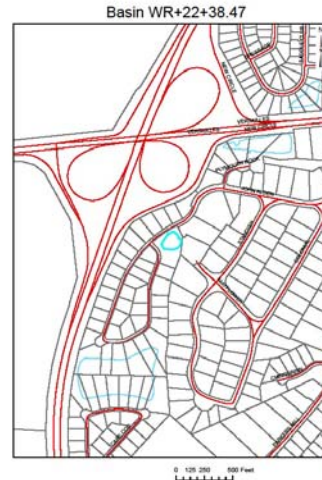
**Adjacent Land Use:** Residential, Versailles Road to the North

**Utility Issues:** Electric, Overhead Wires

**Additional Comments:** No issues observed during inspection.



**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+22+38.47

**Address of Basin:** 4205 John Alden

**Basin Acreage:** 0.44 acres

**Drainage Acreage:** 14.95 acres

**FEMA Floodplain:** No

**Channel Length:** N/A

**Retrofit Options:**

☐

**Extend Detention**

☐

Modify Riser

☐

Increase Embankment Height

☐

Excavate Bottom

☐

Change Geometry

☐

**Channel Condition**

☐

Add Meanders/Modify Internal Design

☐

Remove Concrete Bottom

☐

Add Forebay

☐

Add Micropool

☐

Repair Bank Erosion

☐

**Infiltration**

☐

Tree Planting

☐

Rain Garden

☐

Bioretention

☐

Filtering Practice

☐

**OTHER**

☐

Public Education

☐

Litter Control

☐

Bank Stabilization

☐

**Opportunity to Retrofit Limited Due to Site Issues**

**Additional Comments:** No issues observed during inspection.

**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+22+40.89

**Address of Basin:** 1240 Cross Keys Road

**Basin Acreage:** 4.09 acres

**Drainage Acreage:** 281.21 acres

**FEMA Floodplain:** Yes

**Channel Length:** N/A

**Retrofit Options:**

- ☐ **Extend Detention**
- ☐ Modify Riser
  - ☐ Increase Embankment Height
  - ☐ Excavate Bottom
  - ☐ Change Geometry

- ☐ **Channel Condition**
- ☐ Add Meanders/Modify Internal Design
  - ☐ Remove Concrete Bottom
  - ☐ Add Forebay
  - ☐ Add Micropool
  - ☐ Repair Bank Erosion

- ☐ **Infiltration**
- ☐ Tree Planting
  - ☐ Rain Garden
  - ☐ Bioretention
  - ☐ Filtering Practice

- ☐ **OTHER**
- ☐ Public Education
  - ☐ Litter Control
  - ☐ Bank Stabilization

☐ **Opportunity to Retrofit Limited Due to Site Issues**

**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.

**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+22+E1

**Address of Basin:** John Alden Lane & Cape Cod Circle

**Basin Acreage:** 5.31 acres

**Drainage Acreage:** 28.95 acres

**FEMA Floodplain:** No

**Channel Length:** N/A

**Retrofit Options:**

☐

**Extend Detention**

☐

Modify Riser

☐

Increase Embankment Height

☐

Excavate Bottom

☐

Change Geometry

☐

**Channel Condition**

☐

Add Meanders/Modify Internal Design

☐

Remove Concrete Bottom

☐

Add Forebay

☐

Add Micropool

☐

Repair Bank Erosion

☐

**Infiltration**

☐

Tree Planting

☐

Rain Garden

☐

Bioretention

☐

Filtering Practice

☐

**OTHER**

☐

Public Education

☐

Litter Control

☐

Bank Stabilization

☒

**Opportunity to Retrofit Limited Due to Site Issues**

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



**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+22+X20

**Address of Basin:** 1436 Saddleclub

**Basin Acreage:** 0.69 acres

**Drainage Acreage:** 2.37 acres

**FEMA Floodplain:** No

**Channel Length:** No Channel Present

**Retrofit Options:**

☐

**Extend Detention**

☐

Modify Riser

☐

Increase Embankment Height

☐

Excavate Bottom

☐

Change Geometry

☐

**Channel Condition**

☐

Add Meanders/Modify Internal Design

☐

Remove Concrete Bottom

☐

Add Forebay

☐

Add Micropool

☐

Repair Bank Erosion

☐

**Infiltration**

☐

Tree Planting

☐

Rain Garden

☐

Bioretention

☐

Filtering Practice

☐

**OTHER**

☐

Public Education

☐

Litter Control

☐

Bank Stabilization

☐

**Opportunity to Retrofit Limited Due to Site Issues**

**Additional Comments:** No issues observed during inspection.

**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+22+X21

**Address of Basin:** 2504 Bridle Court

**Basin Acreage:** 3.28 acres

**Drainage Acreage:** 15.48 acres

**FEMA Floodplain:** No

**Channel Length:** N/A

**Retrofit Options:**

☐

**Extend Detention**

- ☐ Modify Riser
- ☐ Increase Embankment Height
- ☐ Excavate Bottom
- ☐ Change Geometry

☐

**Channel Condition**

- ☐ Add Meanders/Modify Internal Design
- ☐ Remove Concrete Bottom
- ☐ Add Forebay
- ☐ Add Micropool
- ☐ Repair Bank Erosion

☐

**Infiltration**

- ☐ Tree Planting
- ☐ Rain Garden
- ☐ Bioretention
- ☐ Filtering Practice

☐

**OTHER**

- ☐ Public Education
- ☐ Litter Control
- ☐ Bank Stabilization

☒

**Opportunity to Retrofit Limited Due to Site Issues**

**Additional Comments:** 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.

**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+23+40.78

**Address of Basin:** 901 Red Mile Road

**Basin Acreage:** 2.45 acres

**Drainage Acreage:** 33.78 acres

**FEMA Floodplain:** No

**Channel Length:** Drainage Ditch Approx. 760 feet

**Retrofit Options:**

- |  |  |
|--|--|
| <input type="checkbox"/> <b><u>Extend Detention</u></b>      |  |
| <input type="checkbox"/> Modify Riser                        |  |
| <input type="checkbox"/> Increase Embankment Height          |  |
| <input type="checkbox"/> Excavate Bottom                     |  |
| <input type="checkbox"/> Change Geometry                     |  |
| <input type="checkbox"/> <b><u>Channel Condition</u></b>     |  |
| <input type="checkbox"/> Add Meanders/Modify Internal Design |  |
| <input type="checkbox"/> Remove Concrete Bottom              |  |
| <input type="checkbox"/> Add Forebay                         |  |
| <input type="checkbox"/> Add Micropool                       |  |
| <input type="checkbox"/> Repair Bank Erosion                 |  |

**Property Owner:** LFUCG

**Type of Basin:** Detention Basin

**Drainage Area Land Use:** Residential/Single Family Homes, Townhomes

**Adjacent Land Use:** Residential/Single Family Homes, Townhomes

**Utility Issues:** Sewer, Cable, Overhead Wires

- |   |  |
|---|--|
| <input type="checkbox"/> <b><u>Infiltration</u></b>                                       |  |
| <input type="checkbox"/> Tree Planting  |  |
| <input type="checkbox"/> Rain Garden  |  |
| <input type="checkbox"/> Bioretention   |  |
| <input type="checkbox"/> Filtering Practice   |  |
| <input type="checkbox"/> <b><u>OTHER</u></b>  |  |
| <input type="checkbox"/> Public Education   |  |
| <input type="checkbox"/> Litter Control   |  |
| <input type="checkbox"/> Bank Stabilization   |  |
| <input type="checkbox"/> <b><u>Opportunity to Retrofit Limited Due to Site Issues</u></b> |  |

**Additional Comments:** No issues observed during inspection. Scattered litter was present throughout the basin at the time of the inspection.

**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+23+B1

**Address of Basin:** 1586 Hill View Place

**Basin Acreage:** 0.41 acres

**Drainage Acreage:** 5.63 acres

**FEMA Floodplain:** No

**Channel Length:** No channel

**Retrofit Options:**

☐

**Extend Detention**

☐

Modify Riser

☐

Increase Embankment Height

☐

Excavate Bottom

☐

Change Geometry

☐

**Channel Condition**

☐

Add Meanders/Modify Internal Design

☐

Remove Concrete Bottom

☐

Add Forebay

☐

Add Micropool

☐

Repair Bank Erosion

☐

**Infiltration**

☐

Tree Planting

☐

Rain Garden

☐

Bioretention

☐

Filtering Practice

☐

**OTHER**

☐

Public Education

☐

Litter Control

☐

Bank Stabilization

☐

**Opportunity to Retrofit Limited Due to Site Issues**

**Property Owner:** Serenity PLC LLC

**Type of Basin:** Detention Basin

**Drainage Area Land Use:** Residential/Single Family Homes, Townhomes

**Adjacent Land Use:** Residential

**Utility Issues:** None observed during inspection

**Additional Comments:** No issues observed during inspection.



**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+23+E2

**Address of Basin:** 1592 Hill View Place

**Basin Acreage:** 0.49 acres

**Drainage Acreage:** 4.48 acres

**FEMA Floodplain:** No

**Channel Length:** Main Channel Approx. 180 feet

**Retrofit Options:**

☐

**Extend Detention**

☐

Modify Riser

☐

Increase Embankment Height

☐

Excavate Bottom

☐

Change Geometry

☒

**Channel Condition**

☐

Add Meanders/Modify Internal Design

☐

Remove Concrete Bottom

☐

Add Forebay

☒

Add Micropool

☐

Repair Bank Erosion

☐

**Infiltration**

☐

Tree Planting

☐

Rain Garden

☐

Bioretention

☐

Filtering Practice

☒

**OTHER**

☒

Public Education

☒

Litter Control

☐

Bank Stabilization

☐

**Opportunity to Retrofit Limited Due to Site Issues**

**Additional Comments:** 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.



**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+30+E4

**Address of Basin:** 2000 Parkers Mill Road

**Basin Acreage:** 1.10 acres

**Drainage Acreage:** 15.32 acres

**FEMA Floodplain:** No

**Channel Length:** N/A

**Retrofit Options:**

☐

**Extend Detention**

☐

Modify Riser

☐

Increase Embankment Height

☐

Excavate Bottom

☐

Change Geometry

☐

**Channel Condition**

☐

Add Meanders/Modify Internal Design

☐

Remove Concrete Bottom

☐

Add Forebay

☐

Add Micropool

☐

Repair Bank Erosion

☐

**Infiltration**

☐

Tree Planting

☐

Rain Garden

☐

Bioretention

☐

Filtering Practice

☐

**OTHER**

☐

Public Education

☐

Litter Control

☐

Bank Stabilization

☐

**Opportunity to Retrofit Limited Due to Site Issues**

**Additional Comments:** No issues observed during inspection.

**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**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)

**Retrofit Options:**

- |   |   |
|---|---|
| <input type="checkbox"/> <b><u>Extend Detention</u></b><br><input type="checkbox"/> Modify Riser<br><input type="checkbox"/> Increase Embankment Height<br><input type="checkbox"/> Excavate Bottom<br><input type="checkbox"/> Change Geometry | <input type="checkbox"/> <b><u>Channel Condition</u></b><br><input type="checkbox"/> Add Meanders/Modify Internal Design<br><input type="checkbox"/> Remove Concrete Bottom<br><input type="checkbox"/> Add Forebay<br><input type="checkbox"/> Add Micropool<br><input type="checkbox"/> Repair Bank Erosion |
|---|---|

- |   |   |
|---|---|
| <input type="checkbox"/> <b><u>Infiltration</u></b><br><input type="checkbox"/> Tree Planting<br><input type="checkbox"/> Rain Garden<br><input type="checkbox"/> Bioretention<br><input type="checkbox"/> Filtering Practice | <input type="checkbox"/> <b><u>OTHER</u></b><br><input type="checkbox"/> Public Education<br><input type="checkbox"/> Litter Control<br><input type="checkbox"/> Bank Stabilization |
|---|---|
- ☐ **Opportunity to Retrofit Limited Due to Site Issues**

**Property Owner:** 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

**Utility Issues:** Overhead Wires, Sanitary Sewer

**Additional Comments:** 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.

Lexington-Fayette Urban County Government  
Basin Retrofit Data Sheet



**Basin ID #:** WR+32+37.77

**Address of Basin:** 1100 Nicholasville Road

**Basin Acreage:** 1.37 acres

**Drainage Acreage:** 21.77 acres

**FEMA Floodplain:** No

**Channel Length:** N/A

**Retrofit Options:**

- ☐ **Extend Detention**
- ☐ Modify Riser
  - ☐ Increase Embankment Height
  - ☐ Excavate Bottom
  - ☐ Change Geometry

- ☐ **Channel Condition**
- ☐ Add Meanders/Modify Internal Design
  - ☐ Remove Concrete Bottom
  - ☐ Add Forebay
  - ☐ Add Micropool
  - ☐ Repair Bank Erosion

- ☐ **Infiltration**
- ☐ Tree Planting
  - ☐ Rain Garden
  - ☐ Bioretention
  - ☐ Filtering Practice

- ☐ **OTHER**
- ☐ Public Education
  - ☐ Litter Control
  - ☐ Bank Stabilization
- ☐ **Opportunity to Retrofit Limited Due to Site Issues**

**Additional Comments:** No issues observed during inspection.

**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+32+40.70

**Address of Basin:** 1100 Nicholasville Road

**Basin Acreage:** 0.64 acres

**Drainage Acreage:** 42.50 acres

**FEMA Floodplain:** No

**Channel Length:** No Channel Present

**Retrofit Options:**

- |  |   |
|--|---|
| <input type="checkbox"/> <b><u>Extend Detention</u></b><br><input type="checkbox"/> Modify Riser<br><input type="checkbox"/> Increase Embankment Height<br><input type="checkbox"/> Excavate Bottom<br><input type="checkbox"/> Change Geometry<br><input type="checkbox"/> <b><u>Channel Condition</u></b><br><input type="checkbox"/> Add Meanders/Modify Internal Design<br><input type="checkbox"/> Remove Concrete Bottom<br><input type="checkbox"/> Add Forebay<br><input type="checkbox"/> Add Micropool<br><input type="checkbox"/> Repair Bank Erosion | <input type="checkbox"/> <b><u>Infiltration</u></b><br><input type="checkbox"/> Tree Planting<br><input type="checkbox"/> Rain Garden<br><input type="checkbox"/> Bioretention<br><input type="checkbox"/> Filtering Practice<br><input type="checkbox"/> <b><u>OTHER</u></b><br><input type="checkbox"/> Public Education<br><input type="checkbox"/> Litter Control<br><input type="checkbox"/> Bank Stabilization<br><input type="checkbox"/> <b><u>Opportunity to Retrofit Limited Due to Site Issues</u></b> |
|--|---|

**Property Owner:** University of Kentucky

**Type of Basin:** Detention Basin

**Drainage Area Land Use:** Institutional (College Campus),  
Cooper Drive

**Adjacent Land Use:** Institutional (College Campus),  
Cooper Drive

**Utility Issues:** None observed during inspection

**Additional Comments:** No issues observed during inspection.



**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+32+48.36

**Address of Basin:** 1100 Nicholasville Road

**Basin Acreage:** 0.83 acres

**Drainage Acreage:** 19.06 acres

**FEMA Floodplain:** No

**Channel Length:** Approx. 160 feet (all rip-rap)

**Retrofit Options:**

- |   |   |
|---|---|
| <input type="checkbox"/> <b><u>Extend Detention</u></b><br><input type="checkbox"/> Modify Riser<br><input type="checkbox"/> Increase Embankment Height<br><input type="checkbox"/> Excavate Bottom<br><input type="checkbox"/> Change Geometry | <input type="checkbox"/> <b><u>Channel Condition</u></b><br><input type="checkbox"/> Add Meanders/Modify Internal Design<br><input type="checkbox"/> Remove Concrete Bottom<br><input type="checkbox"/> Add Forebay<br><input type="checkbox"/> Add Micropool<br><input type="checkbox"/> Repair Bank Erosion |
|---|---|

- |   |   |
|---|---|
| <input type="checkbox"/> <b><u>Infiltration</u></b><br><input type="checkbox"/> Tree Planting<br><input type="checkbox"/> Rain Garden<br><input type="checkbox"/> Bioretention<br><input type="checkbox"/> Filtering Practice | <input type="checkbox"/> <b><u>OTHER</u></b><br><input type="checkbox"/> Public Education<br><input type="checkbox"/> Litter Control<br><input type="checkbox"/> Bank Stabilization |
|---|---|
- ☐ **Opportunity to Retrofit Limited Due to Site Issues**

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



Lexington-Fayette Urban County Government  
Basin Retrofit Data Sheet



**Basin ID #:** WR+32+C4

**Address of Basin:** 201 Simpson Avenue

**Basin Acreage:** 0.52 acres

**Drainage Acreage:** 13.56 acres

**FEMA Floodplain:** No

**Channel Length:** Deep Ditch-line Approx. 170 feet

**Retrofit Options:**

- |  |  |
|--|--|
| <input type="checkbox"/> <b><u>Extend Detention</u></b>      |  |
| <input type="checkbox"/> Modify Riser                        |  |
| <input type="checkbox"/> Increase Embankment Height          |  |
| <input type="checkbox"/> Excavate Bottom                     |  |
| <input type="checkbox"/> Change Geometry                     |  |
| <input type="checkbox"/> <b><u>Channel Condition</u></b>     |  |
| <input type="checkbox"/> Add Meanders/Modify Internal Design |  |
| <input type="checkbox"/> Remove Concrete Bottom              |  |
| <input type="checkbox"/> Add Forebay                         |  |
| <input type="checkbox"/> Add Micropool                       |  |
| <input type="checkbox"/> Repair Bank Erosion                 |  |

**Property Owner:** Campus Rental Properties LLC

**Type of Basin:** Detention Basin

**Drainage Area Land Use:** Residential/Single Family  
Homes, Apartments

**Adjacent Land Use:** Residential

**Utility Issues:** Water (hydrants), Electric, Overhead  
Wires

- |   |  |
|---|--|
| <input type="checkbox"/> <b><u>Infiltration</u></b>   |  |
| <input type="checkbox"/> Tree Planting  |  |
| <input type="checkbox"/> Rain Garden  |  |
| <input type="checkbox"/> Bioretention   |  |
| <input type="checkbox"/> Filtering Practice   |  |
| <input type="checkbox"/> <b><u>OTHER</u></b>  |  |
| <input type="checkbox"/> Public Education   |  |
| <input type="checkbox"/> Litter Control   |  |
| <input type="checkbox"/> Bank Stabilization   |  |
| <input type="checkbox"/> <b><u>Opportunity to Retrofit Limited Due to Site<br/>Issues</u></b> |  |

**Additional Comments:** No issues observed during inspection.

**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+32+E25

**Address of Basin:** 1100 Nicholasville Road

**Basin Acreage:** 1.06 acres

**Drainage Acreage:** 10.89 acres

**FEMA Floodplain:** No

**Channel Length:** Approx. 30 feet

**Retrofit Options:**

☐

**Extend Detention**

☐

Modify Riser

☐

Increase Embankment Height

☐

Excavate Bottom

☐

Change Geometry

☐

**Channel Condition**

☐

Add Meanders/Modify Internal Design

☐

Remove Concrete Bottom

☐

Add Forebay

☐

Add Micropool

☐

Repair Bank Erosion

☐

**Infiltration**

☐

Tree Planting

☐

Rain Garden

☐

Bioretention

☐

Filtering Practice

☐

**OTHER**

☐

Public Education

☐

Litter Control

☐

Bank Stabilization

☐

**Opportunity to Retrofit Limited Due to Site Issues**

**Additional Comments:** No issues observed during inspection.

**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+32+E26

**Address of Basin:** 1100 Nicholasville Road

**Basin Acreage:** 0.50 acres

**Drainage Acreage:** 7.41 acres

**FEMA Floodplain:** No

**Channel Length:** No Channel Present

**Property Owner:** University of Kentucky

**Type of Basin:** Detention Basin

**Drainage Area Land Use:** Institutional (College Campus),  
Roads (Nicholasville, Alumni & service road)

**Adjacent Land Use:** Institutional (College Campus),  
Residential, Roads

**Utility Issues:** Sewer, Water, Gas, Electric, Overhead  
Wires

**Retrofit Options:**

- |                          |                                     |
|--------------------------|-------------------------------------|
| <input type="checkbox"/> | <b><u>Extend Detention</u></b>      |
| <input type="checkbox"/> | Modify Riser                        |
| <input type="checkbox"/> | Increase Embankment Height          |
| <input type="checkbox"/> | Excavate Bottom                     |
| <input type="checkbox"/> | Change Geometry                     |
| <input type="checkbox"/> | <b><u>Channel Condition</u></b>     |
| <input type="checkbox"/> | Add Meanders/Modify Internal Design |
| <input type="checkbox"/> | Remove Concrete Bottom              |
| <input type="checkbox"/> | Add Forebay                         |
| <input type="checkbox"/> | Add Micropool                       |
| <input type="checkbox"/> | Repair Bank Erosion                 |

- |                          |  |
|--------------------------|--|
| <input type="checkbox"/> | <b><u>Infiltration</u></b>                                       |
| <input type="checkbox"/> | Tree Planting  |
| <input type="checkbox"/> | Rain Garden  |
| <input type="checkbox"/> | Bioretention   |
| <input type="checkbox"/> | Filtering Practice   |
| <input type="checkbox"/> | <b><u>OTHER</u></b>  |
| <input type="checkbox"/> | Public Education   |
| <input type="checkbox"/> | Litter Control   |
| <input type="checkbox"/> | Bank Stabilization   |
| <input type="checkbox"/> | <b><u>Opportunity to Retrofit Limited Due to Site Issues</u></b> |

**Additional Comments:** No issues observed during inspection.

**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+32+E28

**Address of Basin:** 1100 Nicholasville Road

**Basin Acreage:** 0.99 acres

**Drainage Acreage:** 23.25 acres

**FEMA Floodplain:** No

**Channel Length:** No Channel Present

**Retrofit Options:**

☐

**Extend Detention**

☐

Modify Riser

☐

Increase Embankment Height

☐

Excavate Bottom

☐

Change Geometry

☐

**Channel Condition**

☐

Add Meanders/Modify Internal Design

☐

Remove Concrete Bottom

☐

Add Forebay

☐

Add Micropool

☐

Repair Bank Erosion

☐

**Infiltration**

☐

Tree Planting

☐

Rain Garden

☐

Bioretention

☐

Filtering Practice

☐

**OTHER**

☐

Public Education

☐

Litter Control

☐

Bank Stabilization

☐

**Opportunity to Retrofit Limited Due to Site Issues**

**Property Owner:** University of Kentucky

**Type of Basin:** Detention Basin

**Drainage Area Land Use:** Institutional (College Campus)

**Adjacent Land Use:** Institutional (College Campus),  
Residential, Alumni Drive

**Utility Issues:** Overhead Wires

**Additional Comments:** 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.



**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+32+X2

**Address of Basin:** Conn Terrace & Transcript Ave.

**Basin Acreage:** 0.46 acres

**Drainage Acreage:** 66.41 acres

**FEMA Floodplain:** No

**Channel Length:** Approx. 170 feet

**Retrofit Options:**

☐

**Extend Detention**

- ☐ Modify Riser
- ☐ Increase Embankment Height
- ☐ Excavate Bottom
- ☐ Change Geometry

☒

**Channel Condition**

- ☐ Add Meanders/Modify Internal Design
- ☐ Remove Concrete Bottom
- ☐ Add Forebay
- ☒ Add Micropool
- ☐ Repair Bank Erosion

☐

**Infiltration**

- ☐ Tree Planting
- ☐ Rain Garden
- ☐ Bioretention
- ☐ Filtering Practice

☐

**OTHER**

- ☐ Public Education
- ☐ Litter Control
- ☐ Bank Stabilization

☐

**Opportunity to Retrofit Limited Due to Site Issues**

**Additional Comments:** 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.



**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**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

**Retrofit Options:**

- |  |  |
|--|--|
| <input type="checkbox"/> <b><u>Extend Detention</u></b>      |  |
| <input type="checkbox"/> Modify Riser                        |  |
| <input type="checkbox"/> Increase Embankment Height          |  |
| <input type="checkbox"/> Excavate Bottom                     |  |
| <input type="checkbox"/> Change Geometry                     |  |
| <input type="checkbox"/> <b><u>Channel Condition</u></b>     |  |
| <input type="checkbox"/> Add Meanders/Modify Internal Design |  |
| <input type="checkbox"/> Remove Concrete Bottom              |  |
| <input type="checkbox"/> Add Forebay                         |  |
| <input type="checkbox"/> Add Micropool                       |  |
| <input type="checkbox"/> Repair Bank Erosion                 |  |

- |   |  |
|---|--|
| <input type="checkbox"/> <b><u>Infiltration</u></b>                                       |  |
| <input type="checkbox"/> Tree Planting  |  |
| <input type="checkbox"/> Rain Garden  |  |
| <input type="checkbox"/> Bioretention   |  |
| <input type="checkbox"/> Filtering Practice   |  |
| <input type="checkbox"/> <b><u>OTHER</u></b>  |  |
| <input type="checkbox"/> Public Education   |  |
| <input type="checkbox"/> Litter Control   |  |
| <input type="checkbox"/> Bank Stabilization   |  |
| <input type="checkbox"/> <b><u>Opportunity to Retrofit Limited Due to Site Issues</u></b> |  |

**Additional Comments:** No issues observed during inspection.

**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+39+E7

**Address of Basin:** 2420 Members Way

**Basin Acreage:** 0.66 acres

**Drainage Acreage:** 9.94 acres

**FEMA Floodplain:** No

**Channel Length:** Approx. 185 feet

**Retrofit Options:**

- |  |   |
|--|---|
| <input type="checkbox"/> <b><u>Extend Detention</u></b><br><input type="checkbox"/> Modify Riser<br><input type="checkbox"/> Increase Embankment Height<br><input type="checkbox"/> Excavate Bottom<br><input type="checkbox"/> Change Geometry<br><input checked="" type="checkbox"/> <b><u>Channel Condition</u></b><br><input type="checkbox"/> Add Meanders/Modify Internal Design<br><input type="checkbox"/> Remove Concrete Bottom<br><input type="checkbox"/> Add Forebay<br><input checked="" type="checkbox"/> Add Micropool<br><input type="checkbox"/> Repair Bank Erosion | <input type="checkbox"/> <b><u>Infiltration</u></b><br><input type="checkbox"/> Tree Planting<br><input type="checkbox"/> Rain Garden<br><input type="checkbox"/> Bioretention<br><input type="checkbox"/> Filtering Practice<br><input type="checkbox"/> <b><u>OTHER</u></b><br><input type="checkbox"/> Public Education<br><input type="checkbox"/> Litter Control<br><input type="checkbox"/> Bank Stabilization<br><input type="checkbox"/> <b><u>Opportunity to Retrofit Limited Due to Site Issues</u></b> |
|--|---|

**Property Owner:** Members Heritage Fed. Credit Union

**Type of Basin:** Detention Basin

**Drainage Area Land Use:** Institutional (U.K. Clinic South), Bank

**Adjacent Land Use:** Institutional (U.K. Clinic South), Bank

**Utility Issues:** Cable, Electric

**Additional Comments:** 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.

**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+39+X98

**Address of Basin:** 2365 Harrodsburg Road

**Basin Acreage:** 0.79 acres

**Drainage Acreage:** 6.53 acres

**FEMA Floodplain:** No

**Channel Length:** N/A

**Retrofit Options:**

☐

**Extend Detention**

☐

Modify Riser

☐

Increase Embankment Height

☐

Excavate Bottom

☐

Change Geometry

☐

**Channel Condition**

☐

Add Meanders/Modify Internal Design

☐

Remove Concrete Bottom

☐

Add Forebay

☐

Add Micropool

☐

Repair Bank Erosion

☐

**Infiltration**

☐

Tree Planting

☐

Rain Garden

☐

Bioretention

☐

Filtering Practice

☐

**OTHER**

☐

Public Education

☐

Litter Control

☐

Bank Stabilization

☐

**Opportunity to Retrofit Limited Due to Site Issues**

**Additional Comments:** No issues observed during inspection.

**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+40+01.43

**Address of Basin:** 84 Southport Drive

**Basin Acreage:** 1.62 acres

**Drainage Acreage:** 39.70 acres

**FEMA Floodplain:** No

**Channel Length:** Approx. 325 feet

**Retrofit Options:**

☐

**Extend Detention**

☐

Modify Riser

☐

Increase Embankment Height

☐

Excavate Bottom

☐

Change Geometry

☐

**Channel Condition**

☐

Add Meanders/Modify Internal Design

☐

Remove Concrete Bottom

☐

Add Forebay

☐

Add Micropool

☐

Repair Bank Erosion

☐

**Infiltration**

☐

Tree Planting

☐

Rain Garden

☐

Bioretention

☐

Filtering Practice

☐

**OTHER**

☐

Public Education

☐

Litter Control

☐

Bank Stabilization

☐

**Opportunity to Retrofit Limited Due to Site Issues**

**Additional Comments:** No issues observed during inspection.



**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+40+07.96

**Address of Basin:** 1100 Nicholasville Road

**Basin Acreage:** 0.48 acres

**Drainage Acreage:** 9.35 acres

**FEMA Floodplain:** No

**Channel Length:** Approx. 130 feet

**Retrofit Options:**

- ☐ **Extend Detention**
- ☐ Modify Riser
  - ☐ Increase Embankment Height
  - ☐ Excavate Bottom
  - ☐ Change Geometry

- ☐ **Channel Condition**
- ☐ Add Meanders/Modify Internal Design
  - ☐ Remove Concrete Bottom
  - ☐ Add Forebay
  - ☐ Add Micropool
  - ☐ Repair Bank Erosion

- ☐ **Infiltration**
- ☐ Tree Planting
  - ☐ Rain Garden
  - ☐ Bioretention
  - ☐ Filtering Practice

- ☐ **OTHER**
- ☐ Public Education
  - ☐ Litter Control
  - ☐ Bank Stabilization

☐ **Opportunity to Retrofit Limited Due to Site Issues**

**Property Owner:** University of Kentucky

**Type of Basin:** Detention Basin

**Drainage Area Land Use:** Institutional (College Campus),  
Parking lots

**Adjacent Land Use:** Institutional (College Campus),  
Parking Lots, Alumni Road

**Utility Issues:** Electric

**Additional Comments:** No issues observed during inspection.



**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+40+14.78

**Address of Basin:** 1100 Nicholasville Road

**Basin Acreage:** 0.43 acres

**Drainage Acreage:** 26.89 acres

**FEMA Floodplain:** No

**Channel Length:** No Channel Present

**Retrofit Options:**

- |  |   |
|--|---|
| <input type="checkbox"/> <b><u>Extend Detention</u></b><br><input type="checkbox"/> Modify Riser<br><input type="checkbox"/> Increase Embankment Height<br><input type="checkbox"/> Excavate Bottom<br><input type="checkbox"/> Change Geometry<br><input type="checkbox"/> <b><u>Channel Condition</u></b><br><input type="checkbox"/> Add Meanders/Modify Internal Design<br><input type="checkbox"/> Remove Concrete Bottom<br><input type="checkbox"/> Add Forebay<br><input type="checkbox"/> Add Micropool<br><input type="checkbox"/> Repair Bank Erosion | <input type="checkbox"/> <b><u>Infiltration</u></b><br><input type="checkbox"/> Tree Planting<br><input type="checkbox"/> Rain Garden<br><input type="checkbox"/> Bioretention<br><input type="checkbox"/> Filtering Practice<br><input type="checkbox"/> <b><u>OTHER</u></b><br><input type="checkbox"/> Public Education<br><input type="checkbox"/> Litter Control<br><input type="checkbox"/> Bank Stabilization<br><input type="checkbox"/> <b><u>Opportunity to Retrofit Limited Due to Site Issues</u></b> |
|--|---|

**Property Owner:** University of Kentucky

**Type of Basin:** Detention Basin

**Drainage Area Land Use:** Institutional (College Campus), Residential (apartments)

**Adjacent Land Use:** Institutional (College Campus), Residential (apartments)

**Utility Issues:** None visible during inspection

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

**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+40+33.77

**Address of Basin:** 2201 Regency Road

**Basin Acreage:** 1.15 acres

**Drainage Acreage:** 16.37 acres

**FEMA Floodplain:** No

**Channel Length:** (Main) Approx. 300 feet

**Retrofit Options:**

☐

**Extend Detention**

☐

Modify Riser

☐

Increase Embankment Height

☐

Excavate Bottom

☐

Change Geometry

☒

**Channel Condition**

☐

Add Meanders/Modify Internal Design

☐

Remove Concrete Bottom

☐

Add Forebay

☒

Add Micropool

☐

Repair Bank Erosion

☐

**Infiltration**

☐

Tree Planting

☐

Rain Garden

☐

Bioretention

☐

Filtering Practice

☐

**OTHER**

☐

Public Education

☐

Litter Control

☐

Bank Stabilization

☐

**Opportunity to Retrofit Limited Due to Site Issues**

**Additional Comments:** 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.

**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+40+43.93

**Address of Basin:** 2350 Norman Lane

**Basin Acreage:** 0.91 acres

**Drainage Acreage:** 16.25 acres

**FEMA Floodplain:** No

**Channel Length:** (Concrete) Approx. 175 feet

**Retrofit Options:**

☐

**Extend Detention**

☐

Modify Riser

☐

Increase Embankment Height

☐

Excavate Bottom

☐

Change Geometry

☐

**Channel Condition**

☐

Add Meanders/Modify Internal Design

☐

Remove Concrete Bottom

☐

Add Forebay

☐

Add Micropool

☐

Repair Bank Erosion

☒

**Infiltration**

☒

Tree Planting

☐

Rain Garden

☐

Bioretention

☐

Filtering Practice

☐

**OTHER**

☐

Public Education

☐

Litter Control

☐

Bank Stabilization

☐

**Opportunity to Retrofit Limited Due to Site Issues**

**Additional Comments:** 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.

**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**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

**Retrofit Options:**

- |   |   |
|---|---|
| <input type="checkbox"/> <b><u>Extend Detention</u></b><br><input type="checkbox"/> Modify Riser<br><input type="checkbox"/> Increase Embankment Height<br><input type="checkbox"/> Excavate Bottom<br><input type="checkbox"/> Change Geometry<br><input checked="" type="checkbox"/> <b><u>Channel Condition</u></b><br><input checked="" type="checkbox"/> Add Meanders/Modify Internal Design<br><input type="checkbox"/> Remove Concrete Bottom<br><input type="checkbox"/> Add Forebay<br><input checked="" type="checkbox"/> Add Micropool<br><input type="checkbox"/> Repair Bank Erosion | <input type="checkbox"/> <b><u>Infiltration</u></b><br><input type="checkbox"/> Tree Planting<br><input type="checkbox"/> Rain Garden<br><input type="checkbox"/> Bioretention<br><input type="checkbox"/> Filtering Practice<br><input type="checkbox"/> <b><u>OTHER</u></b><br><input type="checkbox"/> Public Education<br><input type="checkbox"/> Litter Control<br><input type="checkbox"/> Bank Stabilization<br><input type="checkbox"/> <b><u>Opportunity to Retrofit Limited Due to Site Issues</u></b> |
|---|---|

**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

**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.



**Lexington-Fayette Urban County Government**  
**Basin Retrofit Data Sheet**



**Basin ID #:** WR+48+02.11

**Address of Basin:** 190 Pasadena Drive

**Basin Acreage:** 0.61 acres

**Drainage Acreage:** 6.19 acres

**FEMA Floodplain:** No

**Channel Length:** N/A

**Retrofit Options:**

☐

**Extend Detention**

☐

Modify Riser

☐

Increase Embankment Height

☐

Excavate Bottom

☐

Change Geometry

☐

**Channel Condition**

☐

Add Meanders/Modify Internal Design

☐

Remove Concrete Bottom

☐

Add Forebay

☐

Add Micropool

☐

Repair Bank Erosion

☐

**Infiltration**

☐

Tree Planting

☐

Rain Garden

☐

Bioretention

☐

Filtering Practice

☐

**OTHER**

☐

Public Education

☐

Litter Control

☐

Bank Stabilization

☐

**Opportunity to Retrofit Limited Due to Site Issues**

**Additional Comments:** 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.