

# Fact Sheets

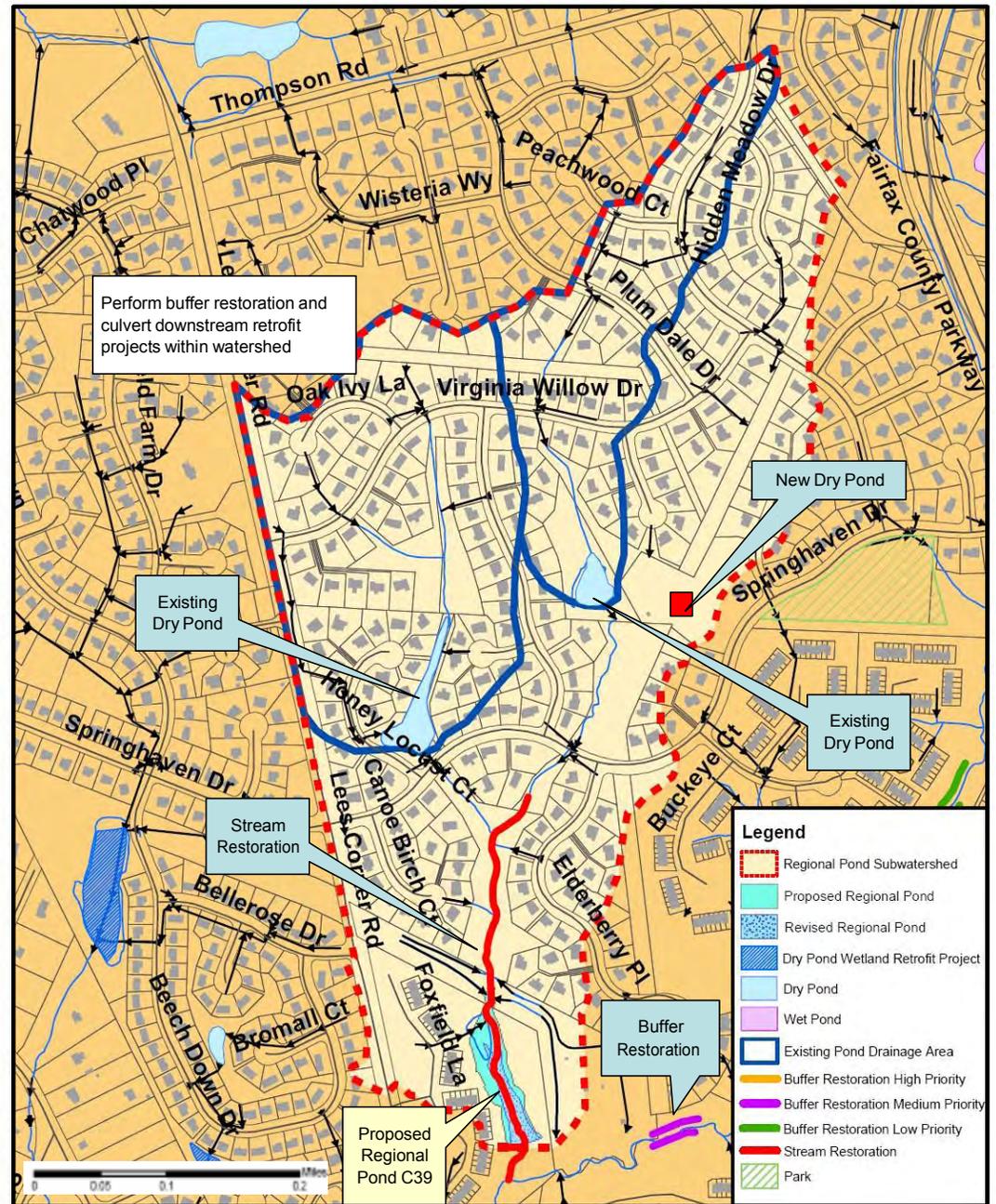
Projects CU9001 and CU9002

## **Cub Run Watershed Regional Pond or Alternative Projects**

Projects CU9001 and CU9002. These are the only two regional ponds included in the watershed plan. As documented in Section 6, several of the previously proposed regional ponds have been deleted and alternative stormwater controls will be implemented. The alternative stormwater control for these deleted regional ponds are documented in Section 6 and included as separate projects.

|             |  |
|-------------|--|
| Project ID  | CU9001 – Regional Pond C39   |
| Location    | Foxfield Lane within the Foxfield Community<br>PIN – 0353 17 J   |
| Description | Implement a reduced-size or modified regional pond at the proposed site of regional pond C39 as a dry pond with an extended detention storage volume equivalent to approximately one-inch of runoff from the impervious area. Also implement identified alternative stormwater projects to address stream erosion within and downstream from the dry pond and to improve health of the streams upstream from the regional pond. If the pond cannot be implemented, then implement alternative projects including upstream smaller dry pond as shown. |

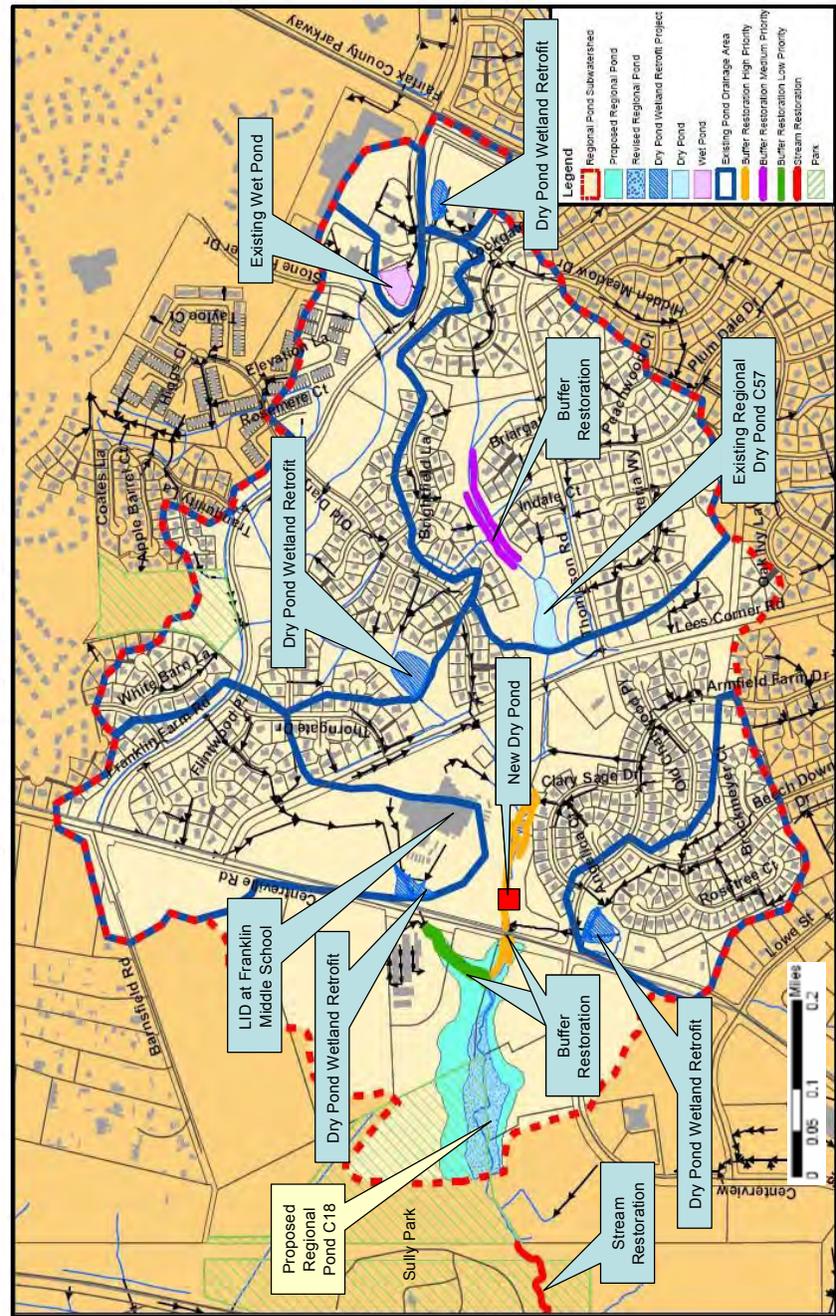
| Project Cost Estimate   |     |          |           |                  |
|---|-----|----------|-----------|------------------|
| Item  | Qty | Units    | Unit Cost | Total Cost       |
| Dry Pond  | 1   | Dry Pond |           | \$335,764        |
| Base Construction Cost  |     |          |           | \$335,764        |
| Mobilization (5%)   |     |          |           | \$16,788         |
| Subtotal 1  |     |          |           | \$352,552        |
| Contingency (25%)   |     |          |           | \$88,138         |
| Subtotal 2  |     |          |           | \$440,690        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |          |           | \$198,310        |
| Total   |     |          |           | \$639,000        |
| <b>Estimated Project Cost</b>   |     |          |           | <b>\$639,000</b> |



Description and costs for alternative projects are included as separate structural project fact sheets

|             |  |  |  |  |
|-------------|--|--|--|--|
| Project ID  | CU9002 - Regional Pond C18   |  |  |  |
| Location    | Cain Branch between Route 28 and Centreville Road<br>Parcels 0342 01 0014, 0342 01 0001D, 0342 01 0017D  |  |  |  |
| Description | Construct extended dry detention regional pond (1-year, 24 hour) with reduced storage volume and footprint at site of proposed wet pond. If construction of a dry pond at the proposed regional pond location is not possible, the next preferred alternative is to build a dry pond at an upstream location without the alternative stormwater controls. If neither pond is implemented, then construct other alternative controls. |  |  |  |

| Project Cost Estimate   |     |       |           |                    |
|---|-----|-------|-----------|--------------------|
| Item  | Qty | Units | Unit Cost | Total Cost         |
| Dry Pond  | 1   | Pond  |           | \$751,921          |
| Base Construction Cost  |     |       |           | \$751,921          |
| Mobilization (5%)   |     |       |           | \$37,596           |
| Subtotal 1  |     |       |           | \$789,517          |
| Contingency (25%)   |     |       |           | \$197,379          |
| Subtotal 2  |     |       |           | \$986,897          |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$444,104          |
| Total   |     |       |           | \$1,431,000        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$1,431,000</b> |



Description and costs for alternative projects are included as separate structural project fact sheets

Proposed Regional Pond C18 or Alternative Projects



# Fact Sheets

Projects CU9101 through CU9199

# **Cub Run Watershed Dry Pond Retrofit Projects (Part 1)**

Projects CU9101 through CU9199. The remaining dry pond retrofit projects are included as projects CU9701 through CU9722. This includes all dry pond retrofit projects including those with a low priority.

|               |   |
|---------------|---|
| Project ID:   | CU9101  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | Bronze Post Road near Compton Road<br>PIN - 0642 0403 B<br>Gate Post Estates Section 2<br>Lower Cub Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$72,852         |
| Base Construction Cost  |     |       |           | \$72,852         |
| Mobilization (5%)   |     |       |           | \$3,643          |
| Subtotal 1  |     |       |           | \$76,495         |
| Contingency (25%)   |     |       |           | \$19,124         |
| Subtotal 2  |     |       |           | \$95,618         |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$43,028         |
| Total   |     |       |           | \$138,646        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$139,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9102– Low Priority  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Hickory Post Court<br>PIN - 0642 0402 A<br>Gate Post Estates Section 2<br>Lower Cub Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |



| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$55,797         |
| Base Construction Cost  |     |       |           | \$55,797         |
| Mobilization (5%)   |     |       |           | \$2,790          |
| Subtotal 1  |     |       |           | \$58,587         |
| Contingency (25%)   |     |       |           | \$14,647         |
| Subtotal 2  |     |       |           | \$73,234         |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$32,955         |
| Total   |     |       |           | \$106,189        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$107,000</b> |

|               |  |
|---------------|--|
| Project ID:   | CU9103   |
| Project Type: | Dry Pond Retrofit  |
| Location:     | Between Outpost Court and Route 66<br>Regional Pond C04<br>PIN - 0651 05 F1<br>Centre Ridge<br>Lower Cub Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$105,990        |
| Base Construction Cost  |     |       |           | \$105,990        |
| Mobilization (5%)   |     |       |           | \$5,300          |
| Subtotal 1  |     |       |           | \$111,290        |
| Contingency (25%)   |     |       |           | \$27,822         |
| Subtotal 2  |     |       |           | \$139,112        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$62,600         |
| Total   |     |       |           | \$201,712        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$202,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9104  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | James Harris Way<br>PIN - 0651 17 B<br>Harris Property<br>Big Rocky Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$43,719        |
| Base Construction Cost  |     |       |           | \$43,719        |
| Mobilization (5%)   |     |       |           | \$2,186         |
| Subtotal 1  |     |       |           | \$45,905        |
| Contingency (25%)   |     |       |           | \$11,476        |
| Subtotal 2  |     |       |           | \$57,381        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$25,822        |
| Total   |     |       |           | \$83,203        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$84,000</b> |



|               |  |
|---------------|--|
| Project ID:   | CU9105   |
| Project Type: | Dry Pond Retrofit  |
| Location:     | Field Encampment Road and Field Flower Trail<br>PIN - 0651 06 E<br>Centre Ridge Section 5B-2<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$36,681        |
| Base Construction Cost  |     |       |           | \$36,681        |
| Mobilization (5%)   |     |       |           | \$1,834         |
| Subtotal 1  |     |       |           | \$38,515        |
| Contingency (25%)   |     |       |           | \$9,629         |
| Subtotal 2  |     |       |           | \$48,144        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$21,665        |
| Total   |     |       |           | \$69,809        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$70,000</b> |



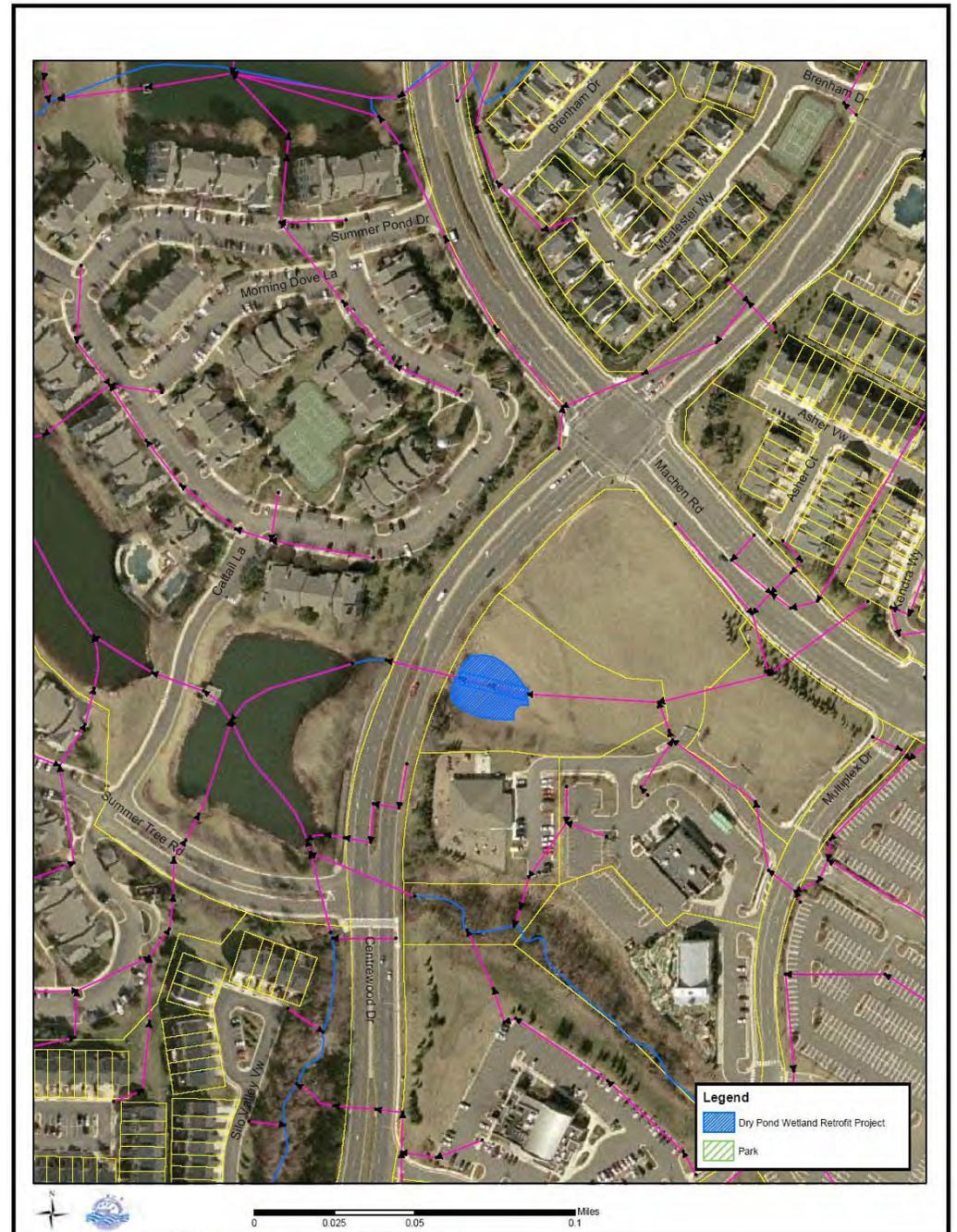
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|---------------|--|
| Project ID:   | CU9106   |
| Project Type: | Dry Pond Retrofit  |
| Location:     | Industrial Park southwest of Route 66 and Route 29 interchange<br>PIN - 0543 01 0010<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Private maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$32,667        |
| Base Construction Cost  |     |       |           | \$32,667        |
| Mobilization (5%)   |     |       |           | \$1,633         |
| Subtotal 1  |     |       |           | \$34,300        |
| Contingency (25%)   |     |       |           | \$8,575         |
| Subtotal 2  |     |       |           | \$42,875        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$19,294        |
| Total   |     |       |           | \$62,169        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$63,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9107  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Centrewood Drive & Machen Road<br>PIN - 0651 10 0008<br>Centre Ridge (Commercial Area)<br>Big Rocky Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Downstream wet pond<br>Private maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$63,510         |
| Base Construction Cost  |     |       |           | \$63,510         |
| Mobilization (5%)   |     |       |           | \$3,176          |
| Subtotal 1  |     |       |           | \$66,686         |
| Contingency (25%)   |     |       |           | \$16,671         |
| Subtotal 2  |     |       |           | \$83,357         |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       | \$37,511  |                  |
| Total   |     |       |           | \$120,867        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$121,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9108  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | Federation Drive and Winding Ridge Lane<br>PIN - 0652 11 B<br>Winding Ridge Phase 2<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$28,905        |
| Base Construction Cost  |     |       |           | \$28,905        |
| Mobilization (5%)   |     |       |           | \$1,445         |
| Subtotal 1  |     |       |           | \$30,350        |
| Contingency (25%)   |     |       |           | \$7,588         |
| Subtotal 2  |     |       |           | \$37,938        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$17,072        |
| Total   |     |       |           | \$55,010        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$56,000</b> |



|               |  |
|---------------|--|
| Project ID:   | CU9109   |
| Project Type: | Dry Pond Retrofit  |
| Location:     | Hoskins Hollow Circle<br>PIN - 0652 01 0015<br>Singleton's Grove<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate. Upstream of large wet pond<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$37,680        |
| Base Construction Cost  |     |       |           | \$37,680        |
| Mobilization (5%)   |     |       |           | \$1,884         |
| Subtotal 1  |     |       |           | \$39,564        |
| Contingency (25%)   |     |       |           | \$9,891         |
| Subtotal 2  |     |       |           | \$49,455        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$22,255        |
| Total   |     |       |           | \$71,710        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$72,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9110  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | Old Centreville Road & Franklin Fox Drive<br>PIN - 0652 05 A3<br>Singleton's Grove<br>Big Rocky Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$34,296        |
| Base Construction Cost  |     |       |           | \$34,296        |
| Mobilization (5%)   |     |       |           | \$1,715         |
| Subtotal 1  |     |       |           | \$36,011        |
| Contingency (25%)   |     |       |           | \$9,003         |
| Subtotal 2  |     |       |           | \$45,014        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$20,256        |
| Total   |     |       |           | \$65,270        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$66,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9111  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Old Centreville Road and Sunset Ridge Road<br>PIN - 0652 04 A<br>Sunset Ridge<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$34,107        |
| Base Construction Cost  |     |       |           | \$34,107        |
| Mobilization (5%)   |     |       |           | \$1,705         |
| Subtotal 1  |     |       |           | \$35,812        |
| Contingency (25%)   |     |       |           | \$8,953         |
| Subtotal 2  |     |       |           | \$44,765        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$20,144        |
| Total   |     |       |           | \$64,910        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$65,000</b> |



|               |  |
|---------------|--|
| Project ID:   | CU9112   |
| Project Type: | Dry Pond Retrofit  |
| Location:     | Stonepath Circle<br>PIN - 0543 15 A<br>Woodgate Village<br>Big Rocky Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate<br>Public maintenance |



| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$33,243        |
| Base Construction Cost  |     |       |           | \$33,243        |
| Mobilization (5%)   |     |       |           | \$1,662         |
| Subtotal 1  |     |       |           | \$34,905        |
| Contingency (25%)   |     |       |           | \$8,726         |
| Subtotal 2  |     |       |           | \$43,631        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$19,634        |
| Total   |     |       |           | \$63,266        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$64,000</b> |

|               |  |
|---------------|--|
| Project ID:   | CU9113   |
| Project Type: | Dry Pond Retrofit  |
| Location:     | Havner House Way near I-66 and Route 29 interchange<br>PIN - 0543 01 0008A<br>Newgate<br>Big Rocky Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Private maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$44,565        |
| Base Construction Cost  |     |       |           | \$44,565        |
| Mobilization (5%)   |     |       |           | \$2,228         |
| Subtotal 1  |     |       |           | \$46,793        |
| Contingency (25%)   |     |       |           | \$11,698        |
| Subtotal 2  |     |       |           | \$58,492        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$26,321        |
| Total   |     |       |           | \$84,813        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$85,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9114  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | Brookmoor Lane and Woodgate Manor Circle<br>PIN - 0543 19 C<br>Woodgate Manor<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$30,759        |
| Base Construction Cost  |     |       |           | \$30,759        |
| Mobilization (5%)   |     |       |           | \$1,538         |
| Subtotal 1  |     |       |           | \$32,297        |
| Contingency (25%)   |     |       |           | \$8,074         |
| Subtotal 2  |     |       |           | \$40,371        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$18,167        |
| Total   |     |       |           | \$58,538        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$59,000</b> |



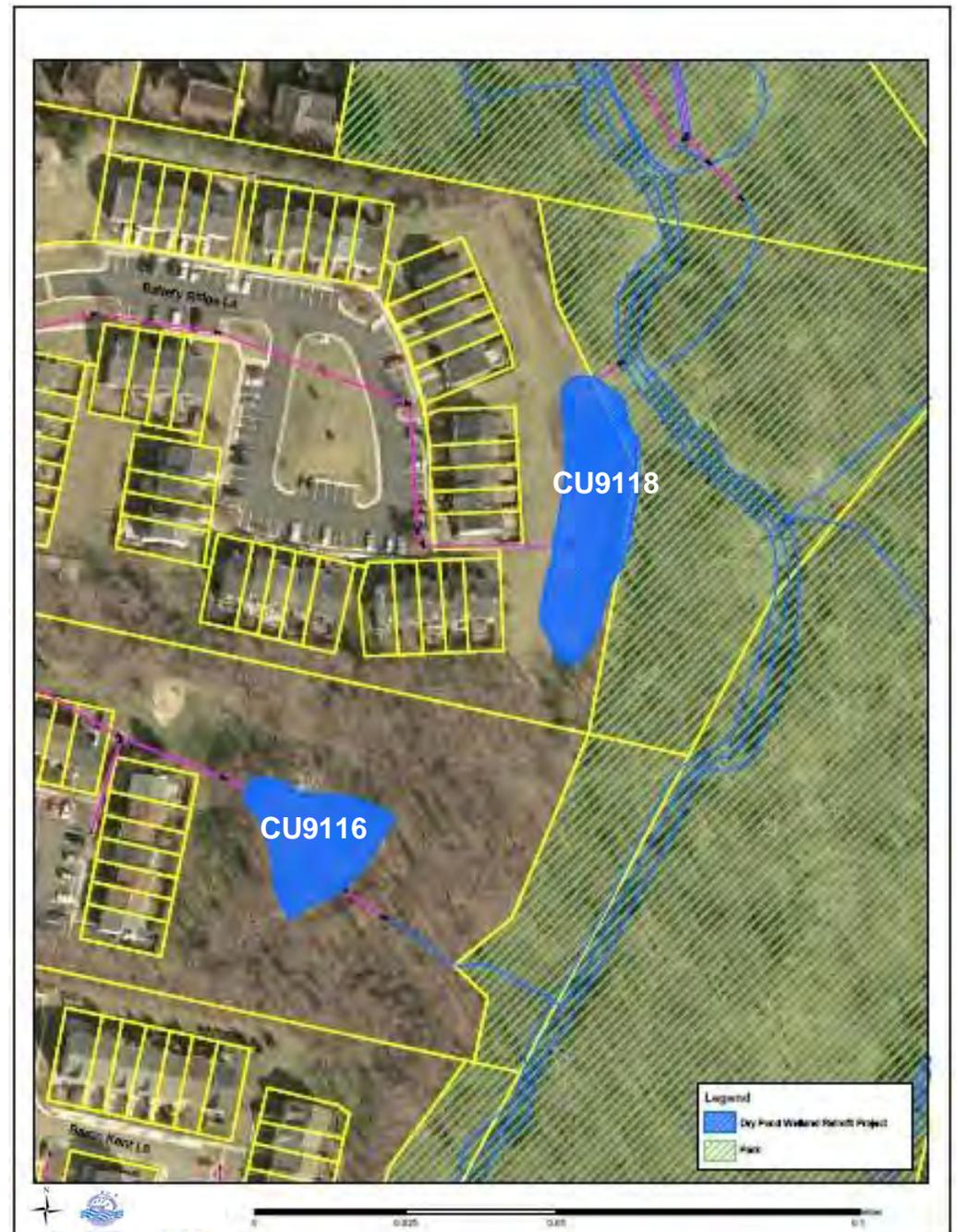
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|---------------|---|
| Project ID:   | CU9115  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Truro Parish Court<br>PIN - 0543 10 L<br>Newgate<br>Big Rocky Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$28,842        |
| Base Construction Cost  |     |       |           | \$28,842        |
| Mobilization (5%)   |     |       |           | \$1,442         |
| Subtotal 1  |     |       |           | \$30,284        |
| Contingency (25%)   |     |       |           | \$7,571         |
| Subtotal 2  |     |       |           | \$37,855        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$17,035        |
| Total   |     |       |           | \$54,890        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$55,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9116  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | Olde Kent Road<br>PIN - 0543 11 A<br>London Commons<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$31,992        |
| Base Construction Cost  |     |       |           | \$31,992        |
| Mobilization (5%)   |     |       |           | \$1,600         |
| Subtotal 1  |     |       |           | \$33,592        |
| Contingency (25%)   |     |       |           | \$8,398         |
| Subtotal 2  |     |       |           | \$41,990        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$18,895        |
| Total   |     |       |           | \$60,885        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$61,000</b> |



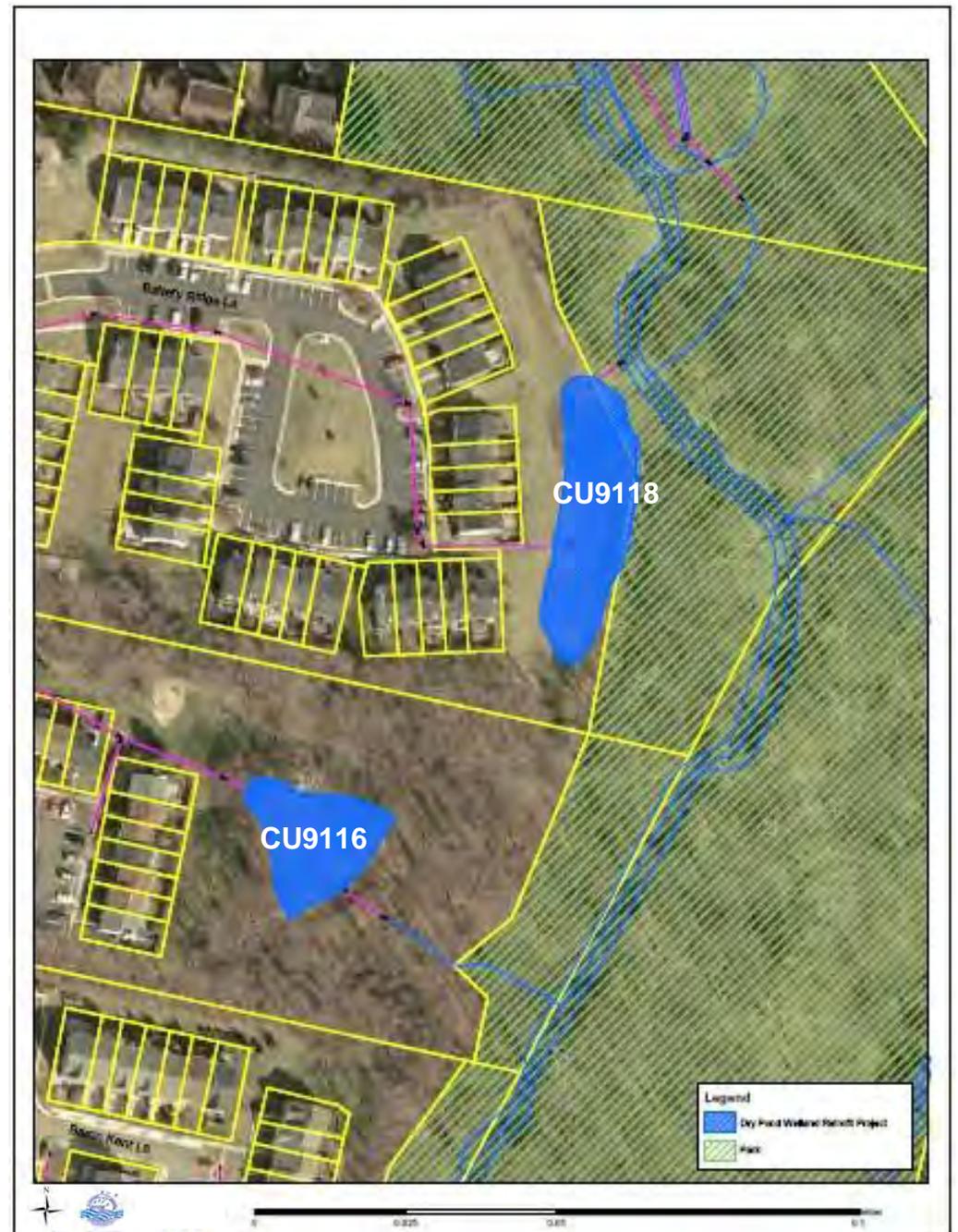
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| Project ID:   | CU9117  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | Between Grisby House Court and Black Horse Court<br>PIN - 0543 10 C<br>Newgate<br>Big Rocky Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$31,335        |
| Base Construction Cost  |     |       |           | \$31,335        |
| Mobilization (5%)   |     |       |           | \$1,567         |
| Subtotal 1  |     |       |           | \$32,902        |
| Contingency (25%)   |     |       |           | \$8,225         |
| Subtotal 2  |     |       |           | \$41,127        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$18,507        |
| Total   |     |       |           | \$59,634        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$60,000</b> |



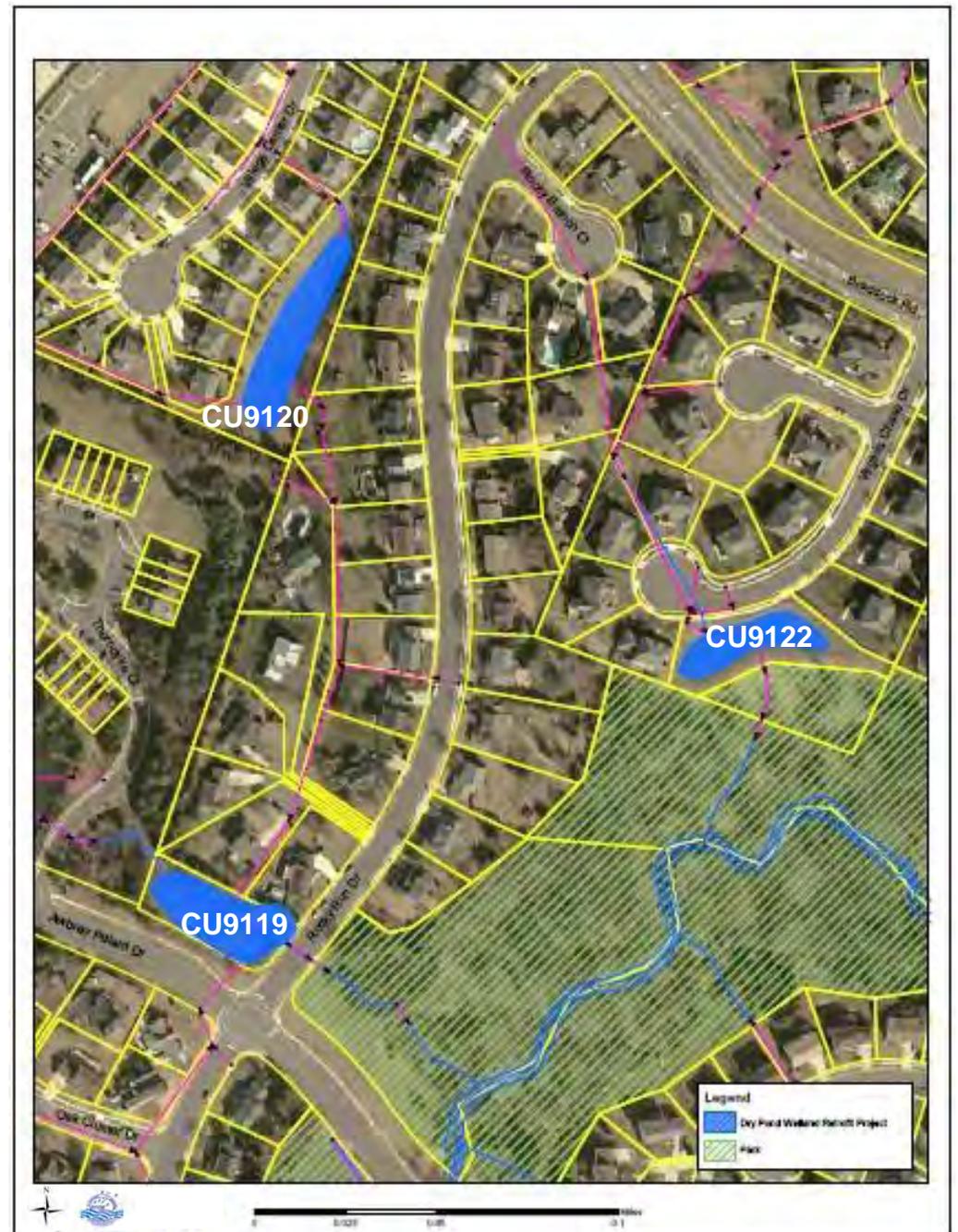
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| Project ID:   | CU9118 – Low Priority  |
| Project Type: | Dry Pond Retrofit  |
| Location:     | Battery Ridge Lane<br>PIN - 0543 18 E<br>Battery Ridge<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$36,735        |
| Base Construction Cost  |     |       |           | \$36,735        |
| Mobilization (5%)   |     |       |           | \$1,837         |
| Subtotal 1  |     |       |           | \$38,572        |
| Contingency (25%)   |     |       |           | \$9,643         |
| Subtotal 2  |     |       |           | \$48,215        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$21,697        |
| Total   |     |       |           | \$69,911        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$70,000</b> |



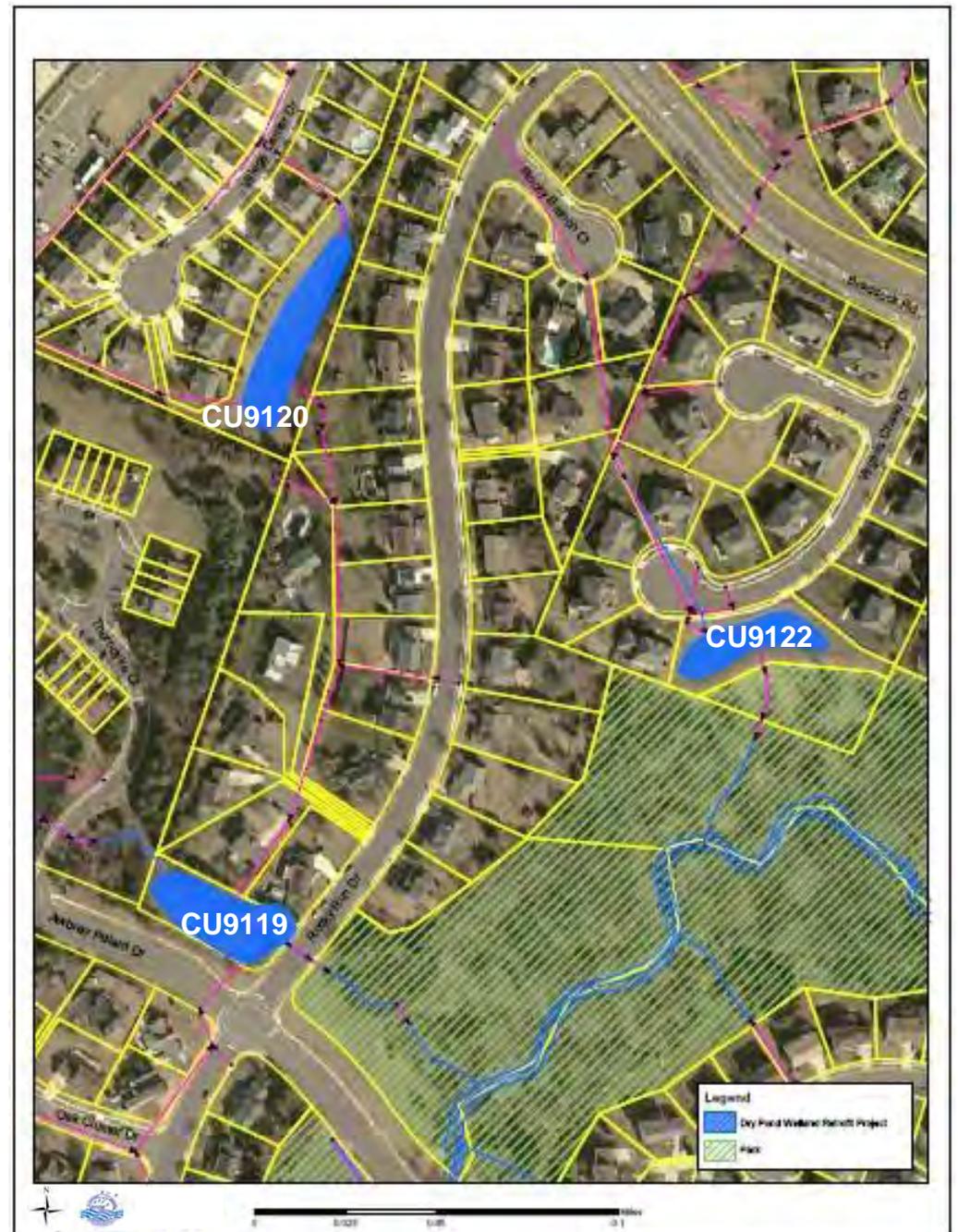
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|---------------|---|
| Project ID:   | CU9119  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Rocky Run Drive & Awbrey Patent Drive<br>PIN - 0541 07 A<br>Rocky Run<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$43,440        |
| Base Construction Cost  |     |       |           | \$43,440        |
| Mobilization (5%)   |     |       |           | \$2,172         |
| Subtotal 1  |     |       |           | \$45,612        |
| Contingency (25%)   |     |       |           | \$11,403        |
| Subtotal 2  |     |       |           | \$57,015        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$25,657        |
| Total   |     |       |           | \$82,672        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$83,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9120  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | Village Center Drive<br>PIN - 0541 1706 H<br>Sully Station<br>Big Rocky Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$39,210        |
| Base Construction Cost  |     |       |           | \$39,210        |
| Mobilization (5%)   |     |       |           | \$1,961         |
| Subtotal 1  |     |       |           | \$41,171        |
| Contingency (25%)   |     |       |           | \$10,293        |
| Subtotal 2  |     |       |           | \$51,463        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$23,158        |
| Total   |     |       |           | \$74,622        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$75,000</b> |



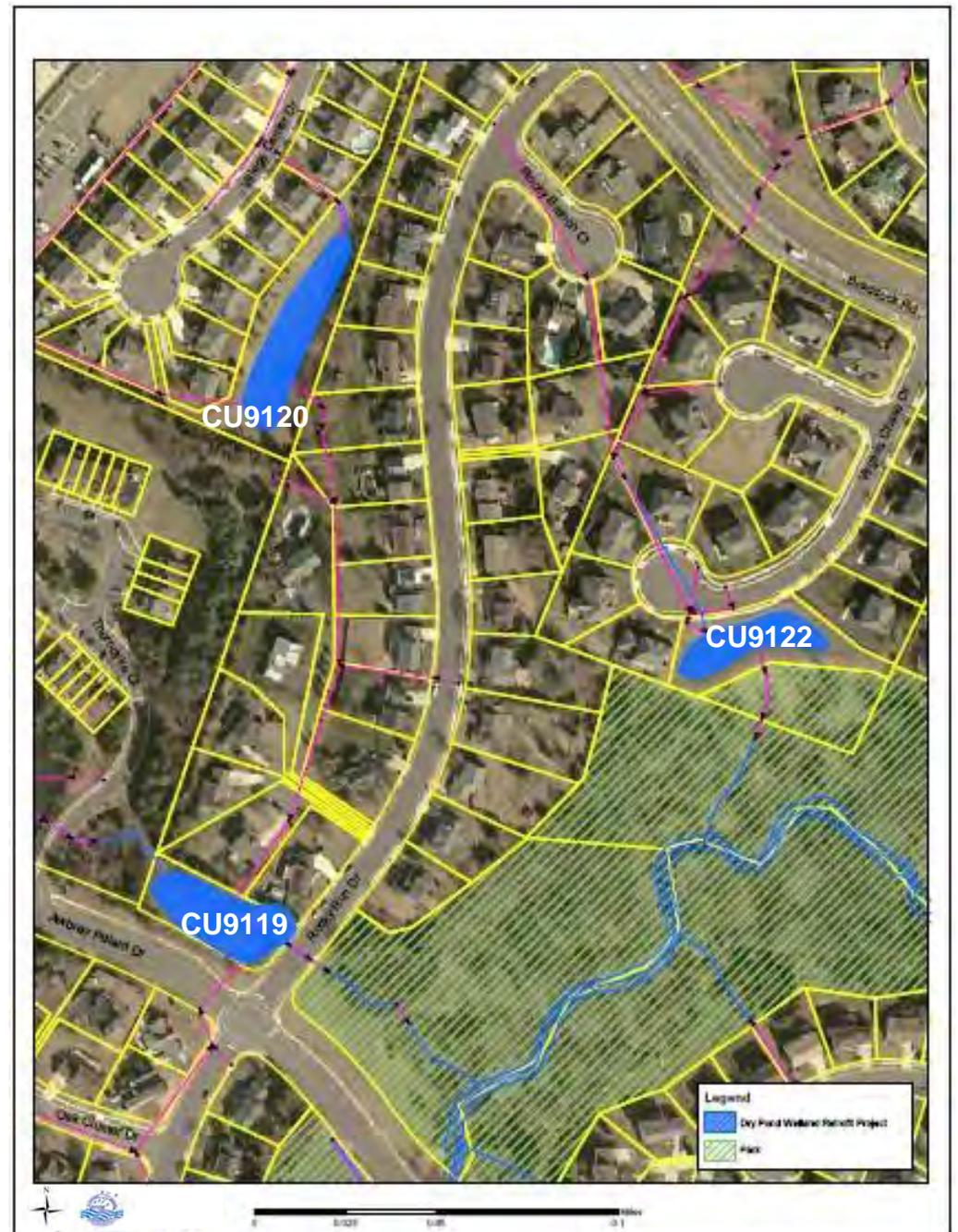
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|---------------|---|
| Project ID:   | CU9121  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Braddock Road & Village Center Drive<br>PIN - 0541 1706 I<br>Sully Station<br>Big Rocky Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$29,220        |
| Base Construction Cost  |     |       |           | \$29,220        |
| Mobilization (5%)   |     |       |           | \$1,461         |
| Subtotal 1  |     |       |           | \$30,681        |
| Contingency (25%)   |     |       |           | \$7,670         |
| Subtotal 2  |     |       |           | \$38,351        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$17,258        |
| Total   |     |       |           | \$55,609        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$56,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9122  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Virginia Chase Drive<br>PIN - 0541 19 A<br>Virginia Chase<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$45,771        |
| Base Construction Cost  |     |       |           | \$45,771        |
| Mobilization (5%)   |     |       |           | \$2,289         |
| Subtotal 1  |     |       |           | \$48,060        |
| Contingency (25%)   |     |       |           | \$12,015        |
| Subtotal 2  |     |       |           | \$60,074        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$27,033        |
| Total   |     |       |           | \$87,108        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$88,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9123  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Filly Court<br>PIN - 0541 15 A<br>Belle Pond Farm<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate<br>Private maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$39,624        |
| Base Construction Cost  |     |       |           | \$39,624        |
| Mobilization (5%)   |     |       |           | \$1,981         |
| Subtotal 1  |     |       |           | \$41,605        |
| Contingency (25%)   |     |       |           | \$10,401        |
| Subtotal 2  |     |       |           | \$52,007        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$23,403        |
| Total   |     |       |           | \$75,409        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$76,000</b> |



|               |   |
|---------------|---|
| Project ID    | CU9124  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Route 28 Off ramp to I-66, Pickwick Road<br>PIN – N/A Highway Right of Way<br>Willoughbys Ridge<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$46,770        |
| Base Construction Cost  |     |       |           | \$46,770        |
| Mobilization (5%)   |     |       |           | \$2,339         |
| Subtotal 1  |     |       |           | \$49,109        |
| Contingency (25%)   |     |       |           | \$12,277        |
| Subtotal 2  |     |       |           | \$61,386        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$27,624        |
| Total   |     |       |           | \$89,009        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$90,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9125  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Melton Place and Pickwick Road<br>PIN - 0544 16 A<br>Englewood Mews<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$78,081         |
| Base Construction Cost  |     |       |           | \$78,081         |
| Mobilization (5%)   |     |       |           | \$3,904          |
| Subtotal 1  |     |       |           | \$81,985         |
| Contingency (25%)   |     |       |           | \$20,496         |
| Subtotal 2  |     |       |           | \$102,481        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$46,117         |
| Total   |     |       |           | \$148,598        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$149,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9126  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | Pickwick Road near Wharton Lane and Newhall Court<br>PIN - 0544 14 A1<br>Walney Glen<br>Big Rocky Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$31,902        |
| Base Construction Cost  |     |       |           | \$31,902        |
| Mobilization (5%)   |     |       |           | \$1,595         |
| Subtotal 1  |     |       |           | \$33,497        |
| Contingency (25%)   |     |       |           | \$8,374         |
| Subtotal 2  |     |       |           | \$41,871        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$18,842        |
| Total   |     |       |           | \$60,713        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$61,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9127  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Cabells Mill Drive and Ashcomb Court<br>PIN - 0542 04 B<br>Cabell's Mill<br>Big Rocky Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$48,039        |
| Base Construction Cost  |     |       |           | \$48,039        |
| Mobilization (5%)   |     |       |           | \$2,402         |
| Subtotal 1  |     |       |           | \$50,441        |
| Contingency (25%)   |     |       |           | \$12,610        |
| Subtotal 2  |     |       |           | \$63,051        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$28,373        |
| Total   |     |       |           | \$91,424        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$92,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9128  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Rushbrook Drive & Nanticoke Drive<br>PIN - 0542 04 C<br>Cabell's Mill<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$47,193        |
| Base Construction Cost  |     |       |           | \$47,193        |
| Mobilization (5%)   |     |       |           | \$2,360         |
| Subtotal 1  |     |       |           | \$49,553        |
| Contingency (25%)   |     |       |           | \$12,388        |
| Subtotal 2  |     |       |           | \$61,941        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$27,873        |
| Total   |     |       |           | \$89,814        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$90,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9129  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | High Grove Hills Lane<br>PIN - 0542 06 B<br>Hawthorne Forest<br>Big Rocky Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$31,272        |
| Base Construction Cost  |     |       |           | \$31,272        |
| Mobilization (5%)   |     |       |           | \$1,564         |
| Subtotal 1  |     |       |           | \$32,836        |
| Contingency (25%)   |     |       |           | \$8,209         |
| Subtotal 2  |     |       |           | \$41,045        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$18,470        |
| Total   |     |       |           | \$59,515        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$60,000</b> |



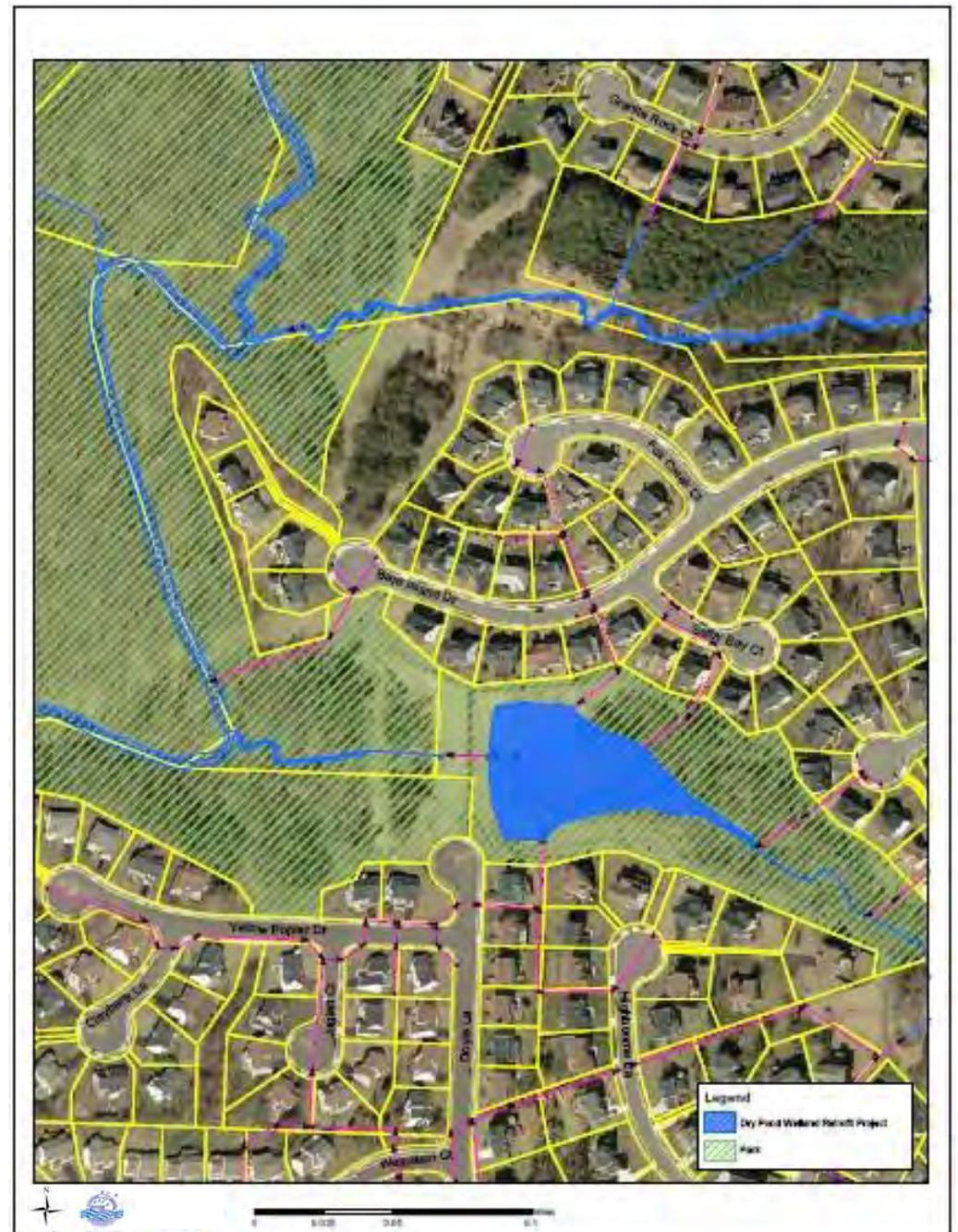
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| Project ID:   | CU9130  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | Fernbrook Court<br>PIN - 0542 10 B<br>Fox Meadow<br>Big Rocky Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$72,600         |
| Base Construction Cost  |     |       |           | \$72,600         |
| Mobilization (5%)   |     |       |           | \$3,630          |
| Subtotal 1  |     |       |           | \$76,230         |
| Contingency (25%)   |     |       |           | \$19,058         |
| Subtotal 2  |     |       |           | \$95,288         |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$42,879         |
| Total   |     |       |           | \$138,167        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$139,000</b> |



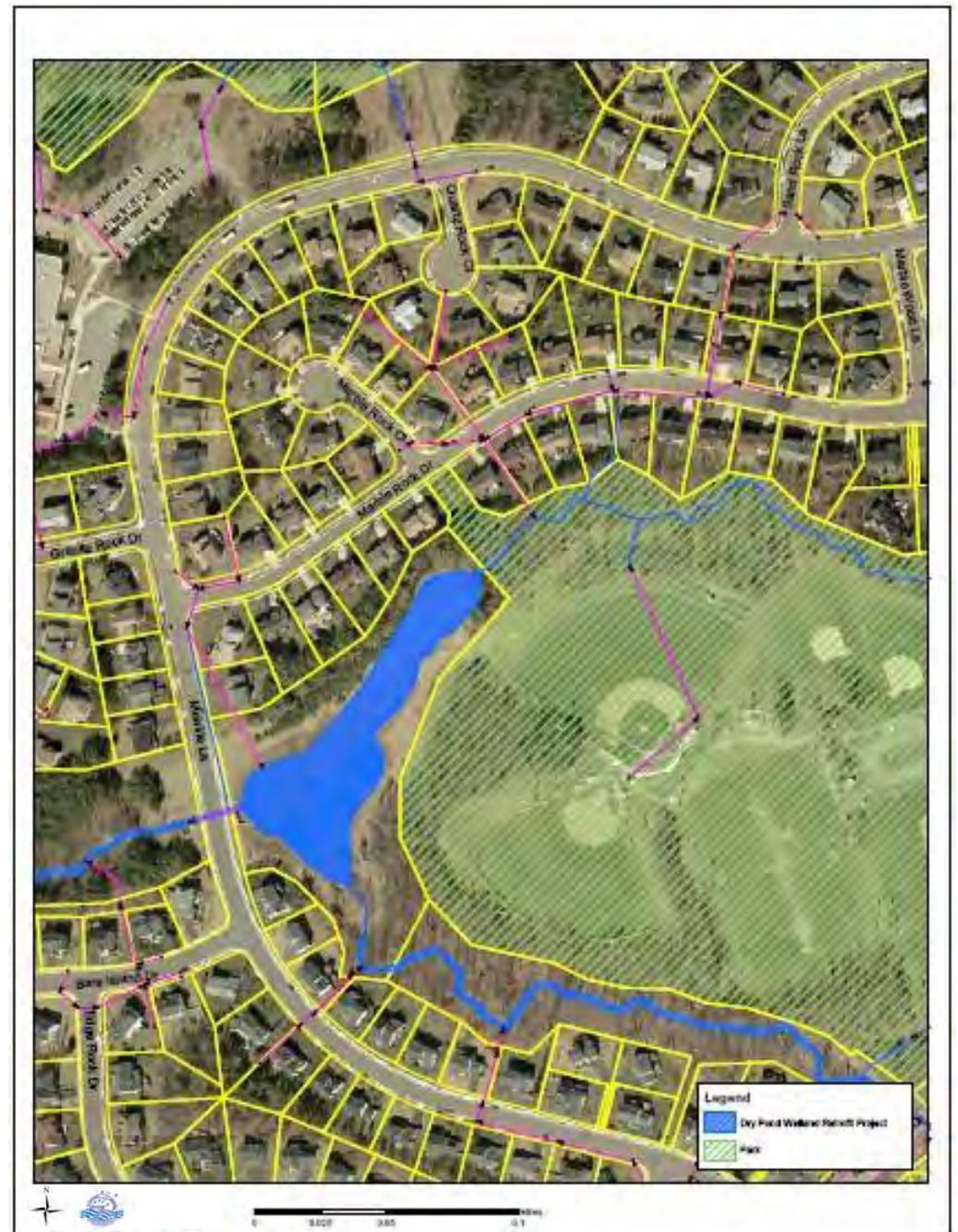
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|---------------|---|
| Project ID:   | CU9131  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | Doyle Lane & Selby Bay Court. Regional Pond C30<br>PIN – 0551 15 A<br>Big Rocky Forest  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$186,531        |
| Base Construction Cost  |     |       |           | \$186,531        |
| Mobilization (5%)   |     |       |           | \$9,327          |
| Subtotal 1  |     |       |           | \$195,858        |
| Contingency (25%)   |     |       |           | \$48,964         |
| Subtotal 2  |     |       |           | \$244,822        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$110,170        |
| Total   |     |       |           | \$354,992        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$355,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9132  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Poplar Tree Park, Melville Land and Marble Rock Drive <br>PIN - 0551 09 U<br>Poplar Tree Estates<br>Big Rocky Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$309,327        |
| Base Construction Cost  |     |       |           | \$309,327        |
| Mobilization (5%)   |     |       |           | \$15,466         |
| Subtotal 1  |     |       |           | \$324,793        |
| Contingency (25%)   |     |       |           | \$81,198         |
| Subtotal 2  |     |       |           | \$405,992        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$182,696        |
| Total   |     |       |           | \$588,688        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$589,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9133  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | Sutton Oaks Drive near Sutton Woods Court<br>PIN - 0444 04 C<br>Sutton Oaks Section 1<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$32,487        |
| Base Construction Cost  |     |       |           | \$32,487        |
| Mobilization (5%)   |     |       |           | \$1,624         |
| Subtotal 1  |     |       |           | \$34,111        |
| Contingency (25%)   |     |       |           | \$8,528         |
| Subtotal 2  |     |       |           | \$42,639        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$19,188        |
| Total   |     |       |           | \$61,827        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$62,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9134  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Point Pleasant Drive and Hazelnut Court<br>PIN - 0453 03 D<br>Poplar Tree Estates<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$94,956         |
| Base Construction Cost  |     |       |           | \$94,956         |
| Mobilization (5%)   |     |       |           | \$4,748          |
| Subtotal 1  |     |       |           | \$99,704         |
| Contingency (25%)   |     |       |           | \$24,926         |
| Subtotal 2  |     |       |           | \$124,630        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$56,083         |
| Total   |     |       |           | \$180,713        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$181,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9135  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | Rocky Run Middle School South<br>PIN - 0453 03 E<br>Poplar Tree Estates<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$30,318        |
| Base Construction Cost  |     |       |           | \$30,318        |
| Mobilization (5%)   |     |       |           | \$1,516         |
| Subtotal 1  |     |       |           | \$31,834        |
| Contingency (25%)   |     |       |           | \$7,958         |
| Subtotal 2  |     |       |           | \$39,792        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$17,907        |
| Total   |     |       |           | \$57,699        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$58,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9136  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Britwell Place and Maureen Lane<br>PIN - 0452 09 A<br>Gene P. Mitchell<br>Big Rocky Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$32,613        |
| Base Construction Cost  |     |       |           | \$32,613        |
| Mobilization (5%)   |     |       |           | \$1,631         |
| Subtotal 1  |     |       |           | \$34,244        |
| Contingency (25%)   |     |       |           | \$8,561         |
| Subtotal 2  |     |       |           | \$42,805        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$19,262        |
| Total   |     |       |           | \$62,067        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$63,000</b> |



|               |  |
|---------------|--|
| Project ID:   | CU9137   |
| Project Type: | Dry Pond Retrofit – Low Priority   |
| Location:     | Near King of Kings Lutheran Church,<br>Kings Way<br>PIN - 0454 09 A2<br>Birch Pond<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Private maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$62,349         |
| Base Construction Cost  |     |       |           | \$62,349         |
| Mobilization (5%)   |     |       |           | \$3,117          |
| Subtotal 1  |     |       |           | \$65,466         |
| Contingency (25%)   |     |       |           | \$16,367         |
| Subtotal 2  |     |       |           | \$81,833         |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$36,825         |
| Total   |     |       |           | \$118,658        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$119,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9138  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Tallow Tree Place<br>PIN - 0452 07 C<br>Fair Wood<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$44,727        |
| Base Construction Cost  |     |       |           | \$44,727        |
| Mobilization (5%)   |     |       |           | \$2,236         |
| Subtotal 1  |     |       |           | \$46,963        |
| Contingency (25%)   |     |       |           | \$11,741        |
| Subtotal 2  |     |       |           | \$58,704        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$26,417        |
| Total   |     |       |           | \$85,121        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$86,000</b> |



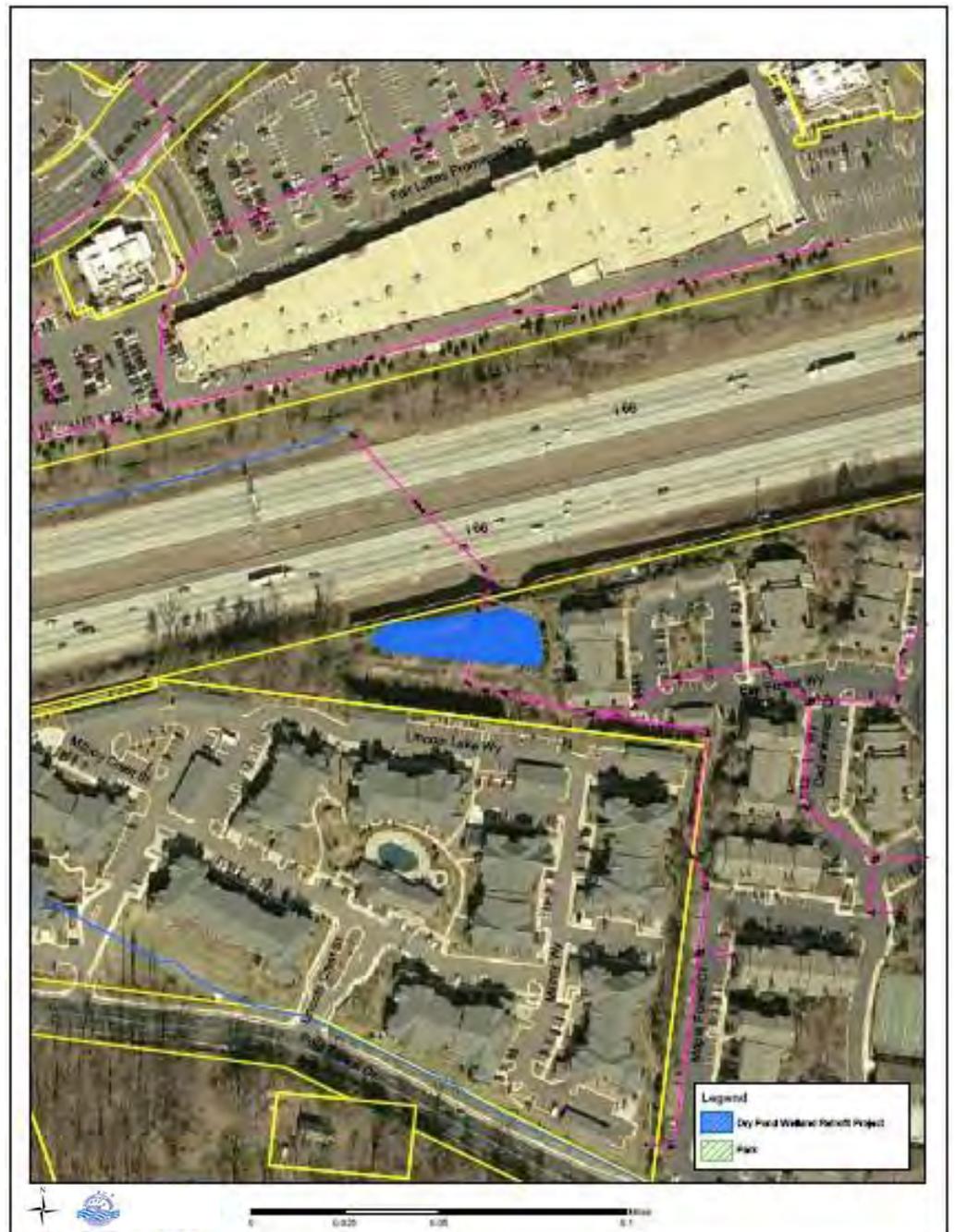
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| Project ID:   | CU9139  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Trumbo Court and Monument Drive<br>PIN - 0454 14 A<br>Fair Lakes Woods<br>Big Rocky Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$30,093        |
| Base Construction Cost  |     |       |           | \$30,093        |
| Mobilization (5%)   |     |       |           | \$1,505         |
| Subtotal 1  |     |       |           | \$31,598        |
| Contingency (25%)   |     |       |           | \$7,899         |
| Subtotal 2  |     |       |           | \$39,497        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$17,774        |
| Total   |     |       |           | \$57,271        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$58,000</b> |



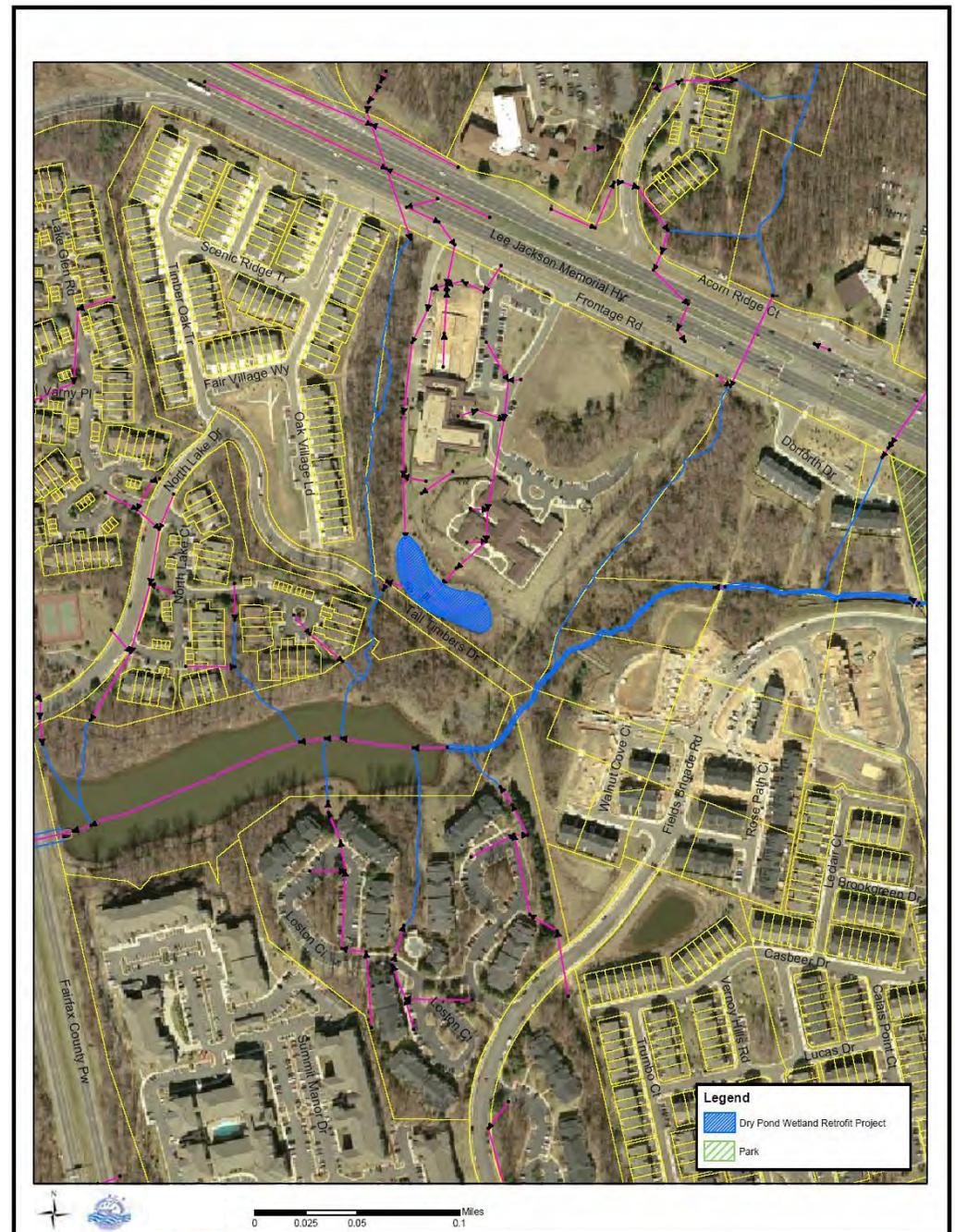
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| Project ID:   | CU9140   |
| Project Type: | Dry Pond Retrofit – Low Priority   |
| Location:     | Elm Forest Way and Lincoln Lake Way<br>PIN - 0561 01 0024A<br><br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Private maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$42,432        |
| Base Construction Cost  |     |       |           | \$42,432        |
| Mobilization (5%)   |     |       |           | \$2,122         |
| Subtotal 1  |     |       |           | \$44,554        |
| Contingency (25%)   |     |       |           | \$11,138        |
| Subtotal 2  |     |       |           | \$55,692        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$25,061        |
| Total   |     |       |           | \$80,753        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$81,000</b> |



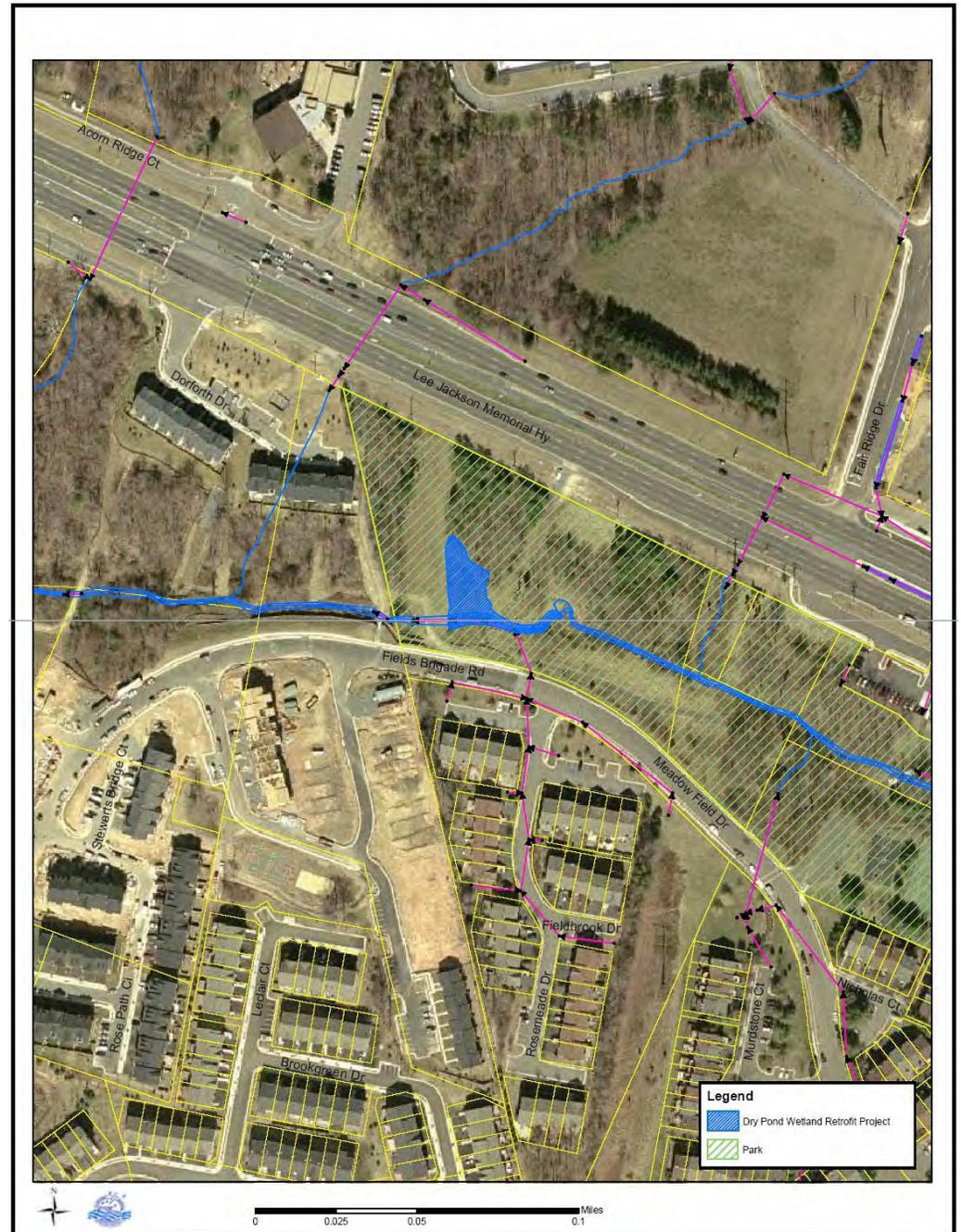
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| Project ID:   | CU9141   |
| Project Type: | Dry Pond Retrofit – Low Priority   |
| Location:     | Timber Oak Trail and Hidden Glade Drive<br>PIN - 0454 01 0006A<br><br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate. Upstream from regional wet pond. Private maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$32,145        |
| Base Construction Cost  |     |       |           | \$32,145        |
| Mobilization (5%)   |     |       |           | \$1,607         |
| Subtotal 1  |     |       |           | \$33,752        |
| Contingency (25%)   |     |       |           | \$8,438         |
| Subtotal 2  |     |       |           | \$42,190        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       | \$18,986  |                 |
| Total   |     |       |           | \$61,176        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$62,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9142  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Fair Ridge Park, Meadow Field Drive<br>PIN - 0463 20 A<br>RA Addition to Fair Ridge<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$64,104         |
| Base Construction Cost  |     |       |           | \$64,104         |
| Mobilization (5%)   |     |       |           | \$3,205          |
| Subtotal 1  |     |       |           | \$67,309         |
| Contingency (25%)   |     |       |           | \$16,827         |
| Subtotal 2  |     |       |           | \$84,137         |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$37,861         |
| Total   |     |       |           | \$121,998        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$122,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9143  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Fair Ridge Park<br>Rt. 50 and Fair Ridge Drive<br>PIN - 0463 10 0001R<br>Fair Ridge<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$84,363         |
| Base Construction Cost  |     |       |           | \$84,363         |
| Mobilization (5%)   |     |       |           | \$4,218          |
| Subtotal 1  |     |       |           | \$88,581         |
| Contingency (25%)   |     |       |           | \$22,145         |
| Subtotal 2  |     |       |           | \$110,726        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$49,827         |
| Total   |     |       |           | \$160,553        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$161,000</b> |



|               |  |
|---------------|--|
| Project ID:   | CU9144   |
| Project Type: | Dry Pond Retrofit  |
| Location:     | Route 50 and Fair Ridge Drive<br>Fifty West Corporate Center<br>PIN - 0463 17 0005<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Private maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$36,330        |
| Base Construction Cost  |     |       |           | \$36,330        |
| Mobilization (5%)   |     |       |           | \$1,817         |
| Subtotal 1  |     |       |           | \$38,147        |
| Contingency (25%)   |     |       |           | \$9,537         |
| Subtotal 2  |     |       |           | \$47,683        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$21,457        |
| Total   |     |       |           | \$69,141        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$70,000</b> |



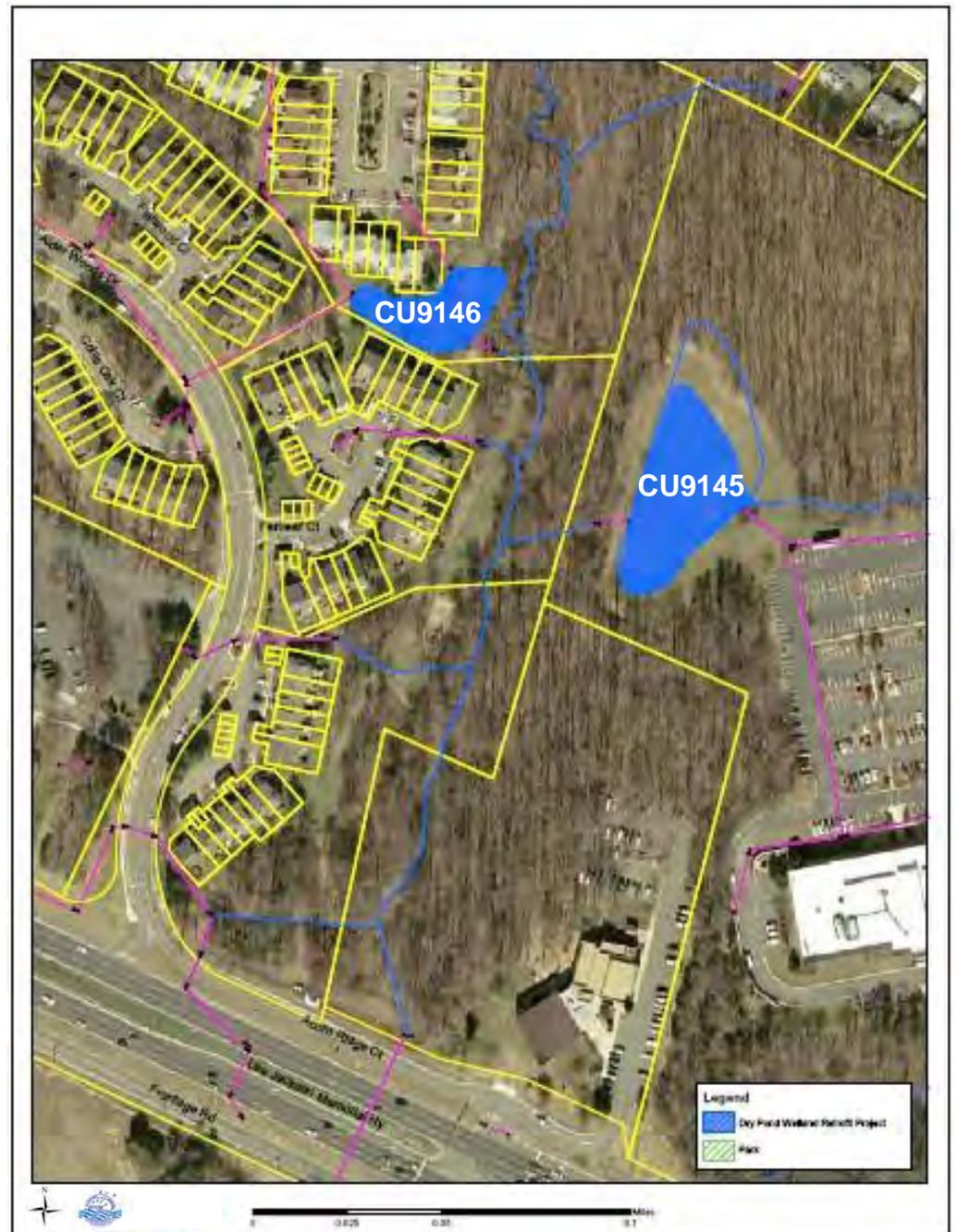
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| Project ID:   | CU9145   |
| Project Type: | Dry Pond Retrofit  |
| Location:     | Fair Ridge Drive and Fairleaf Court<br>PIN - 0463 01 0015<br>Penderbrook<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate. Evaluate options to increase storage to reduce peak flows and erosion in downstream segments.<br>Private maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$56,292         |
| Base Construction Cost  |     |       |           | \$56,292         |
| Mobilization (5%)   |     |       |           | \$2,815          |
| Subtotal 1  |     |       |           | \$59,107         |
| Contingency (25%)   |     |       |           | \$14,777         |
| Subtotal 2  |     |       |           | \$73,883         |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$33,247         |
| Total   |     |       |           | \$107,131        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$108,000</b> |



|               |  |
|---------------|--|
| Project ID:   | CU9146   |
| Project Type: | Dry Pond Retrofit  |
| Location:     | Sweet Leaf Terrace and Fairleaf Court<br>PIN - 0452 07 H<br>Fair Woods<br>Big Rocky Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate. Evaluate options to increase storage to reduce peak flows and erosion in downstream segments. Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$39,273        |
| Base Construction Cost  |     |       |           | \$39,273        |
| Mobilization (5%)   |     |       |           | \$1,964         |
| Subtotal 1  |     |       |           | \$41,237        |
| Contingency (25%)   |     |       |           | \$10,309        |
| Subtotal 2  |     |       |           | \$51,546        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       | \$23,196  |                 |
| Total   |     |       |           | \$74,741        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$75,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9147  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Rydell Road<br>PIN - 0642 01 0038A<br><br>Lower Cub Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$38,400        |
| Base Construction Cost  |     |       |           | \$38,400        |
| Mobilization (5%)   |     |       |           | \$1,920         |
| Subtotal 1  |     |       |           | \$40,320        |
| Contingency (25%)   |     |       |           | \$10,080        |
| Subtotal 2  |     |       |           | \$50,400        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$22,680        |
| Total   |     |       |           | \$73,080        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$74,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9148  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Prince Way<br>PIN - 0534 06 C<br>London Towne West<br>Middle Cub Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$39,066        |
| Base Construction Cost  |     |       |           | \$39,066        |
| Mobilization (5%)   |     |       |           | \$1,953         |
| Subtotal 1  |     |       |           | \$41,019        |
| Contingency (25%)   |     |       |           | \$10,255        |
| Subtotal 2  |     |       |           | \$51,274        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$23,073        |
| Total   |     |       |           | \$74,347        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$75,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9149  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | Stratton Major Court, Wetherburn Drive<br>PIN - 0534 08 J<br>Westport<br>Middle Cub Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$32,613        |
| Base Construction Cost  |     |       |           | \$32,613        |
| Mobilization (5%)   |     |       |           | \$1,631         |
| Subtotal 1  |     |       |           | \$34,244        |
| Contingency (25%)   |     |       |           | \$8,561         |
| Subtotal 2  |     |       |           | \$42,805        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$19,262        |
| Total   |     |       |           | \$62,067        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$63,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9150  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Lee Forest Path & Stillfield<br>PIN - 0534 08 P<br>Westport<br>Middle Cub Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$61,116         |
| Base Construction Cost  |     |       |           | \$61,116         |
| Mobilization (5%)   |     |       |           | \$3,056          |
| Subtotal 1  |     |       |           | \$64,172         |
| Contingency (25%)   |     |       |           | \$16,043         |
| Subtotal 2  |     |       |           | \$80,215         |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$36,097         |
| Total   |     |       |           | \$116,311        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$117,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9151  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Green Park Way, Basingstoke Loop<br>Regional pond C22<br>PIN - 0543 13 F<br>London Towne<br>Middle Cub Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$59,604         |
| Base Construction Cost  |     |       |           | \$59,604         |
| Mobilization (5%)   |     |       |           | \$2,980          |
| Subtotal 1  |     |       |           | \$62,584         |
| Contingency (25%)   |     |       |           | \$15,646         |
| Subtotal 2  |     |       |           | \$78,230         |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$35,204         |
| Total   |     |       |           | \$113,434        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$114,000</b> |



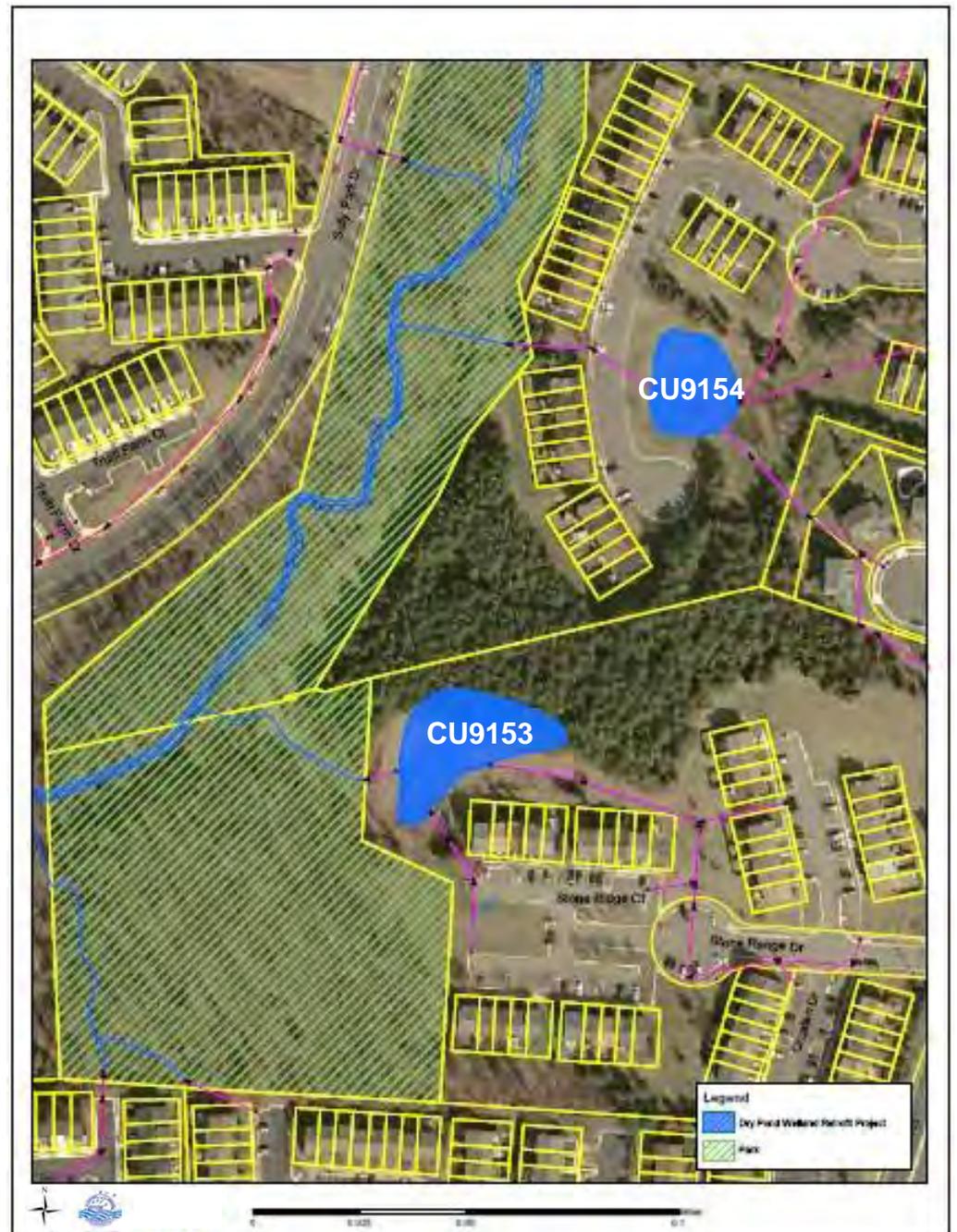
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| Project ID:   | CU9152  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Grobie Pond Lane and Watermark Circle<br>Regional pond C22<br>PIN - 0532 0614 A<br>Sully Station<br>Middle Cub Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$79,755         |
| Base Construction Cost  |     |       |           | \$79,755         |
| Mobilization (5%)   |     |       |           | \$3,988          |
| Subtotal 1  |     |       |           | \$83,743         |
| Contingency (25%)   |     |       |           | \$20,936         |
| Subtotal 2  |     |       |           | \$104,678        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$47,105         |
| Total   |     |       |           | \$151,784        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$152,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9153  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | Stone Range Drive<br>PIN - 0541 16 A<br>Stonehenge<br>Round Lick Branch   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$31,830        |
| Base Construction Cost  |     |       |           | \$31,830        |
| Mobilization (5%)   |     |       |           | \$1,592         |
| Subtotal 1  |     |       |           | \$33,422        |
| Contingency (25%)   |     |       |           | \$8,355         |
| Subtotal 2  |     |       |           | \$41,777        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$18,800        |
| Total   |     |       |           | \$60,576        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$61,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9154  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Stone Crossing Court<br>PIN - 0541 12 B<br>Stone Crossing<br>Round Lick Branch  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$37,500        |
| Base Construction Cost  |     |       |           | \$37,500        |
| Mobilization (5%)   |     |       |           | \$1,875         |
| Subtotal 1  |     |       |           | \$39,375        |
| Contingency (25%)   |     |       |           | \$9,844         |
| Subtotal 2  |     |       |           | \$49,219        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$22,148        |
| Total   |     |       |           | \$71,367        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$72,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9155  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Poplar Tree Road and Sully Park Dive<br>PIN - 0541 101B B<br>Xanadu Estates<br>Round Lick Branch  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$36,663        |
| Base Construction Cost  |     |       |           | \$36,663        |
| Mobilization (5%)   |     |       |           | \$1,833         |
| Subtotal 1  |     |       |           | \$38,496        |
| Contingency (25%)   |     |       |           | \$9,624         |
| Subtotal 2  |     |       |           | \$48,120        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$21,654        |
| Total   |     |       |           | \$69,774        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$70,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9156  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Lock Drive @ Crenshaw Drive, Poplar Tree Road<br>PIN - 0443 05 A<br>Sully Station<br>Round Lick Branch  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$37,005        |
| Base Construction Cost  |     |       |           | \$37,005        |
| Mobilization (5%)   |     |       |           | \$1,850         |
| Subtotal 1  |     |       |           | \$38,855        |
| Contingency (25%)   |     |       |           | \$9,714         |
| Subtotal 2  |     |       |           | \$48,569        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       | \$21,856  |                 |
| Total   |     |       |           | \$70,425        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$71,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9157  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Braywood Drive, Poplar Tree Road<br>PIN - 0443 05 G<br>Sully Station<br>Round Lick Branch   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$55,419         |
| Base Construction Cost  |     |       |           | \$55,419         |
| Mobilization (5%)   |     |       |           | \$2,771          |
| Subtotal 1  |     |       |           | \$58,190         |
| Contingency (25%)   |     |       |           | \$14,547         |
| Subtotal 2  |     |       |           | \$72,737         |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$32,732         |
| Total   |     |       |           | \$105,469        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$106,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9158  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Belle Plains Drive & Sequoia Farms Drive<br>PIN - 0443 07 H<br>Sully Station<br>Round Lick Branch   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$38,382        |
| Base Construction Cost  |     |       |           | \$38,382        |
| Mobilization (5%)   |     |       |           | \$1,919         |
| Subtotal 1  |     |       |           | \$40,301        |
| Contingency (25%)   |     |       |           | \$10,075        |
| Subtotal 2  |     |       |           | \$50,376        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$22,669        |
| Total   |     |       |           | \$73,046        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$74,000</b> |



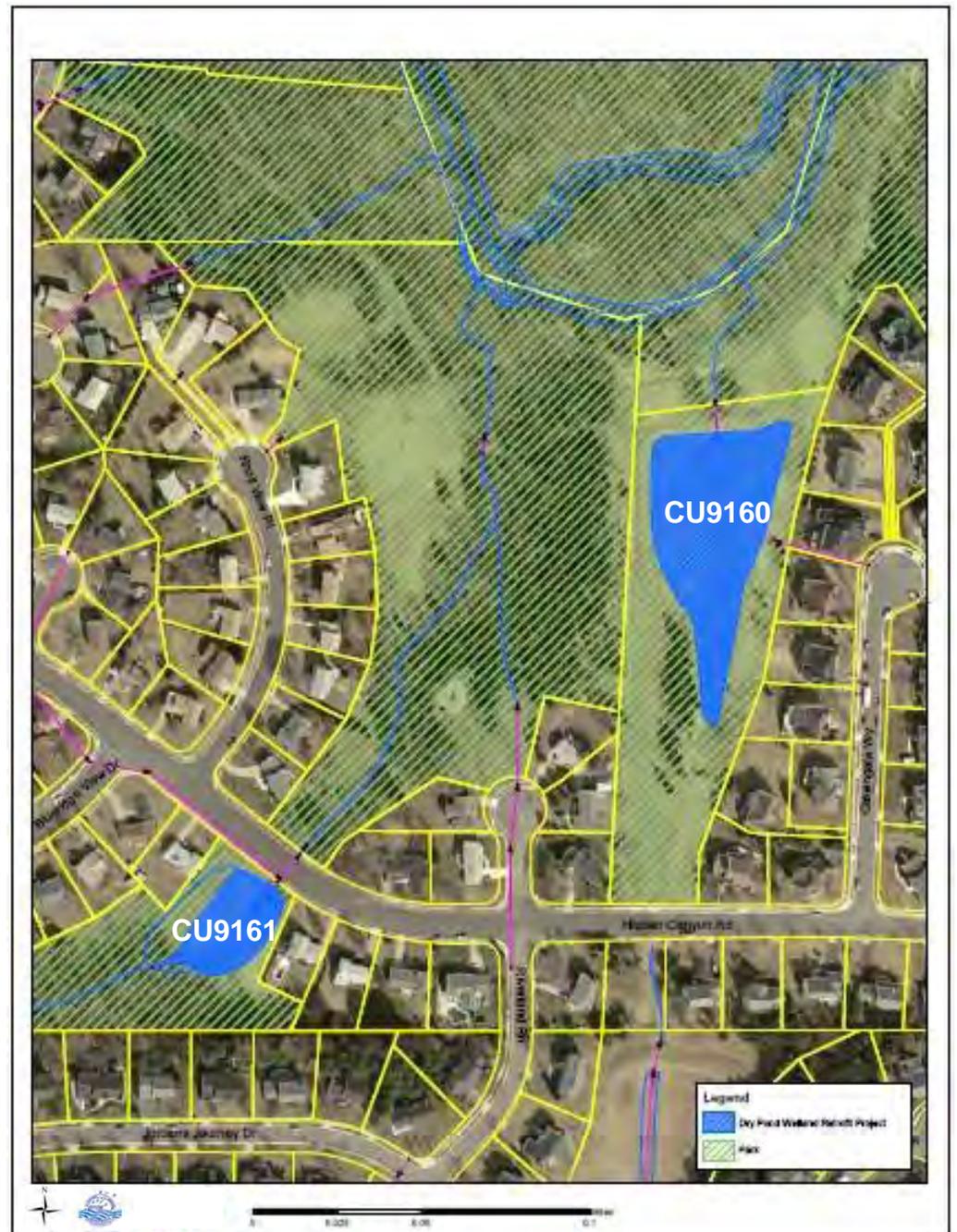
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| Project ID:   | CU9159  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Walney Road & Walney Park Drive<br>PIN - 0444 08 0038<br>Poplar Park Section 1  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$86,829         |
| Base Construction Cost  |     |       |           | \$86,829         |
| Mobilization (5%)   |     |       |           | \$4,341          |
| Subtotal 1  |     |       |           | \$91,170         |
| Contingency (25%)   |     |       |           | \$22,793         |
| Subtotal 2  |     |       |           | \$113,963        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$51,283         |
| Total   |     |       |           | \$165,246        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$166,000</b> |



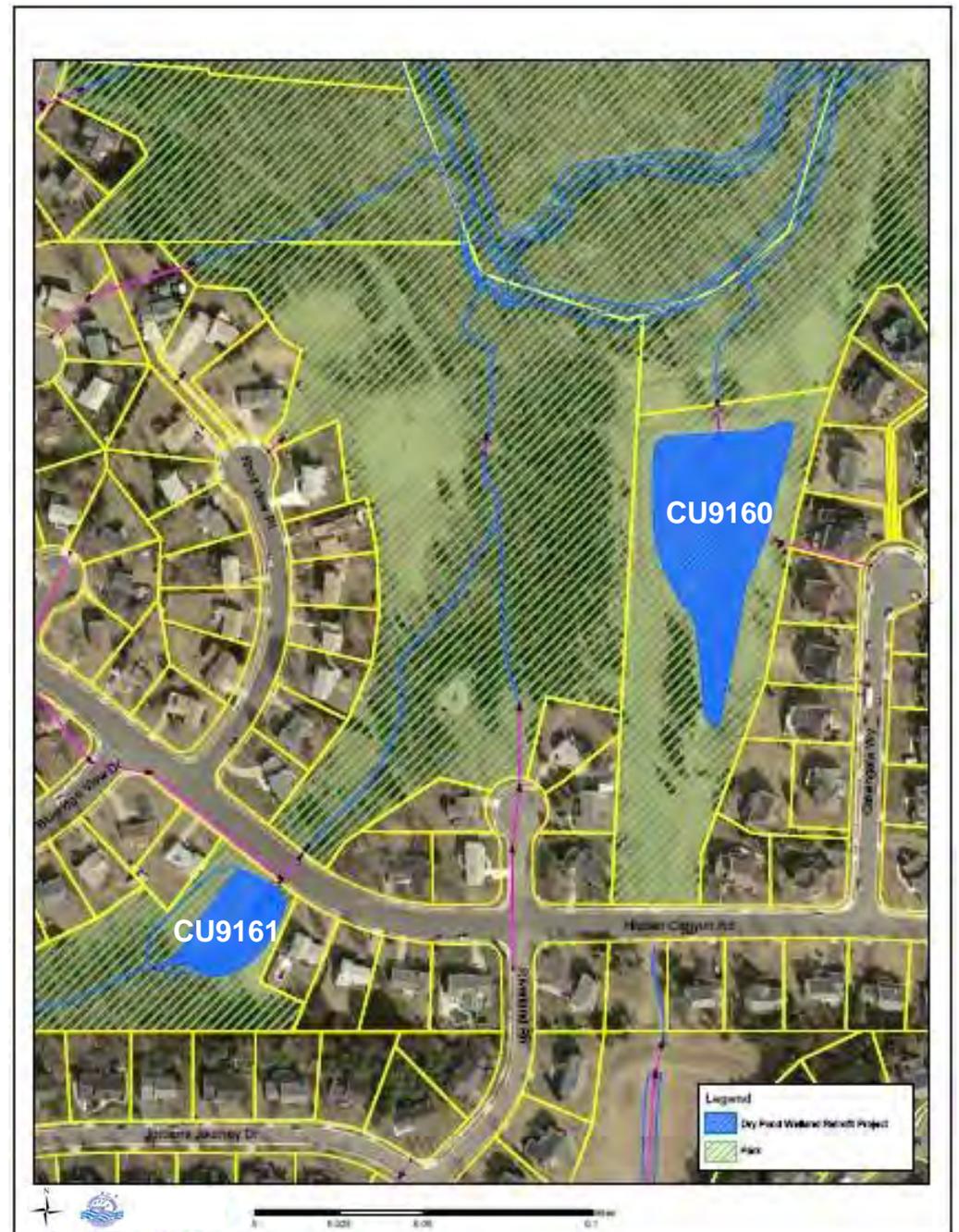
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|---------------|---|
| Project ID:   | CU9160  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Oakengate Way<br>PIN - 0534 0502 C<br>Pleasant Hill<br>Middle Cub Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$32,820        |
| Base Construction Cost  |     |       |           | \$32,820        |
| Mobilization (5%)   |     |       |           | \$1,641         |
| Subtotal 1  |     |       |           | \$34,461        |
| Contingency (25%)   |     |       |           | \$8,615         |
| Subtotal 2  |     |       |           | \$43,076        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$19,384        |
| Total   |     |       |           | \$62,461        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$63,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9161  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Hidden Canyon Road & Knoll View Place<br>PIN - 0534 05 A<br>Pleasant Hill<br>Middle Cub Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$34,764        |
| Base Construction Cost  |     |       |           | \$34,764        |
| Mobilization (5%)   |     |       |           | \$1,738         |
| Subtotal 1  |     |       |           | \$36,502        |
| Contingency (25%)   |     |       |           | \$9,126         |
| Subtotal 2  |     |       |           | \$45,628        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$20,532        |
| Total   |     |       |           | \$66,160        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$67,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9162  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Jordans Journey Drive, Blueridge View Drive<br>PIN - 0533 05 A<br>Westport<br>Middle Cub Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$91,239         |
| Base Construction Cost  |     |       |           | \$91,239         |
| Mobilization (5%)   |     |       |           | \$4,562          |
| Subtotal 1  |     |       |           | \$95,801         |
| Contingency (25%)   |     |       |           | \$23,950         |
| Subtotal 2  |     |       |           | \$119,751        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$53,888         |
| Total   |     |       |           | \$173,639        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$174,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9163  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Eagle Tavern Lane<br>PIN - 0533 0401 A<br>Weltman Estates<br>Middle Cub Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$66,210         |
| Base Construction Cost  |     |       |           | \$66,210         |
| Mobilization (5%)   |     |       |           | \$3,311          |
| Subtotal 1  |     |       |           | \$69,521         |
| Contingency (25%)   |     |       |           | \$17,380         |
| Subtotal 2  |     |       |           | \$86,901         |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$39,105         |
| Total   |     |       |           | \$126,006        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$127,000</b> |



|               |  |
|---------------|--|
| Project ID:   | CU9164   |
| Project Type: | Dry Pond Retrofit  |
| Location:     | Snowhill Lane<br>PIN - 0532 0505 A2<br>Pleasant Hill<br>Middle Cub Run   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate. Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$126,366        |
| Base Construction Cost  |     |       |           | \$126,366        |
| Mobilization (5%)   |     |       |           | \$6,318          |
| Subtotal 1  |     |       |           | \$132,684        |
| Contingency (25%)   |     |       |           | \$33,171         |
| Subtotal 2  |     |       |           | \$165,855        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$74,635         |
| Total   |     |       |           | \$240,490        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$241,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9165  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Martins Hundred Drive<br>PIN - 0531 04 0010A<br>Virginia Run The Estates<br>Middle Cub Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$80,097         |
| Base Construction Cost  |     |       |           | \$80,097         |
| Mobilization (5%)   |     |       |           | \$4,005          |
| Subtotal 1  |     |       |           | \$84,102         |
| Contingency (25%)   |     |       |           | \$21,025         |
| Subtotal 2  |     |       |           | \$105,127        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$47,307         |
| Total   |     |       |           | \$152,435        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$153,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9166  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | Ridings Manor Place<br>PIN - 0531 01 0014<br>Virginia Run, The Estates<br>Middle Cub Run  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public/Private maintenance Unknown |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$54,222         |
| Base Construction Cost  |     |       |           | \$54,222         |
| Mobilization (5%)   |     |       |           | \$2,711          |
| Subtotal 1  |     |       |           | \$56,933         |
| Contingency (25%)   |     |       |           | \$14,233         |
| Subtotal 2  |     |       |           | \$71,166         |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$32,025         |
| Total   |     |       |           | \$103,191        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$104,000</b> |



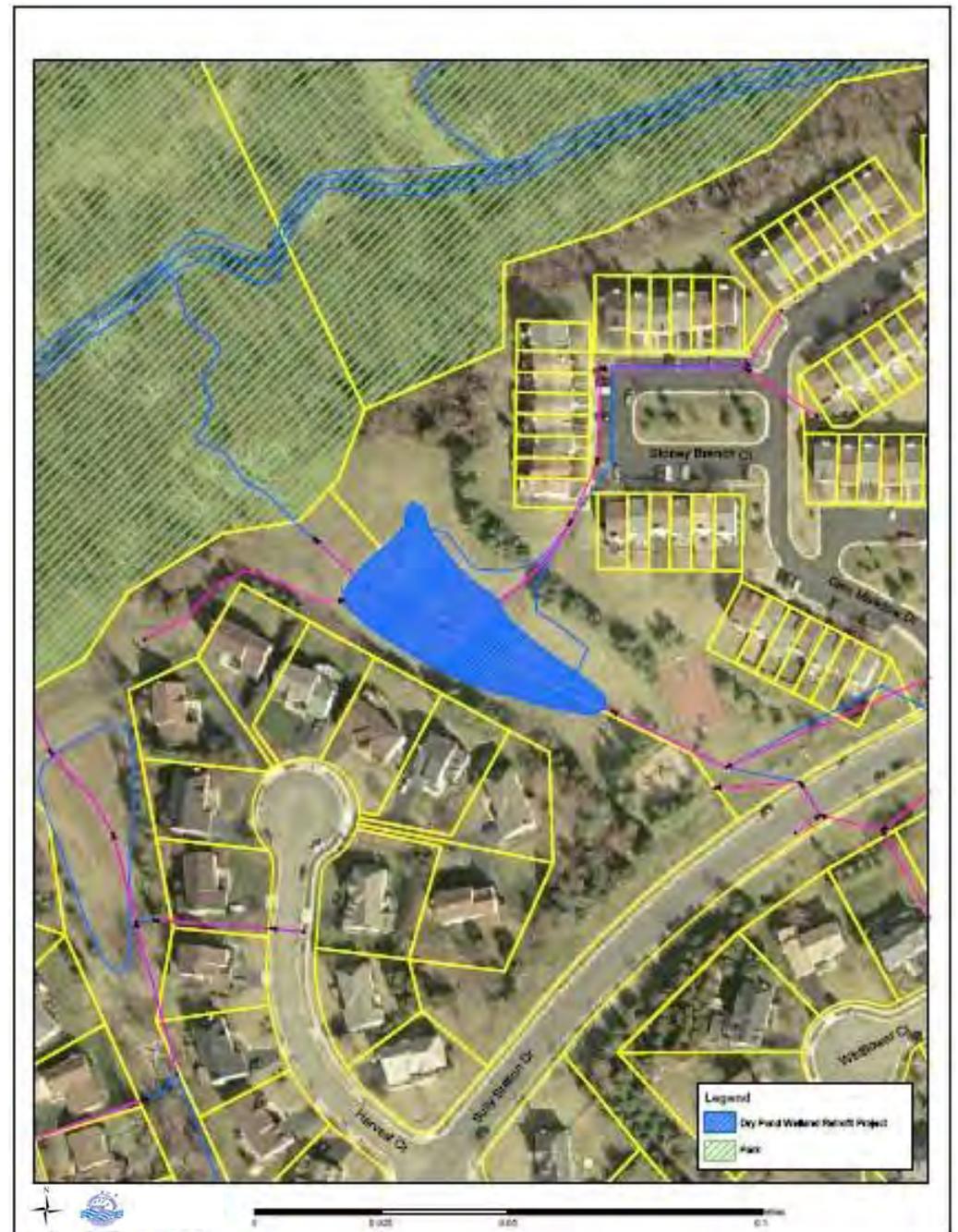
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| Project ID:   | CU9167   |
| Project Type: | Dry Pond Retrofit  |
| Location:     | Parkstone Drive, Virginia DMV<br>PIN - 0434 06 A<br>Westfields International Center at Dulles<br>Flatlick Branch   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Private maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$43,134        |
| Base Construction Cost  |     |       |           | \$43,134        |
| Mobilization (5%)   |     |       |           | \$2,157         |
| Subtotal 1  |     |       |           | \$45,291        |
| Contingency (25%)   |     |       |           | \$11,323        |
| Subtotal 2  |     |       |           | \$56,613        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$25,476        |
| Total   |     |       |           | \$82,089        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$83,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9168  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | Harvest Court & Stoney Branch Court<br>PIN - 0434 05 F<br>Sully Station<br>Flatlick Branch  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$50,685        |
| Base Construction Cost  |     |       |           | \$50,685        |
| Mobilization (5%)   |     |       |           | \$2,534         |
| Subtotal 1  |     |       |           | \$53,219        |
| Contingency (25%)   |     |       |           | \$13,305        |
| Subtotal 2  |     |       |           | \$66,524        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$29,936        |
| Total   |     |       |           | \$96,460        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$97,000</b> |



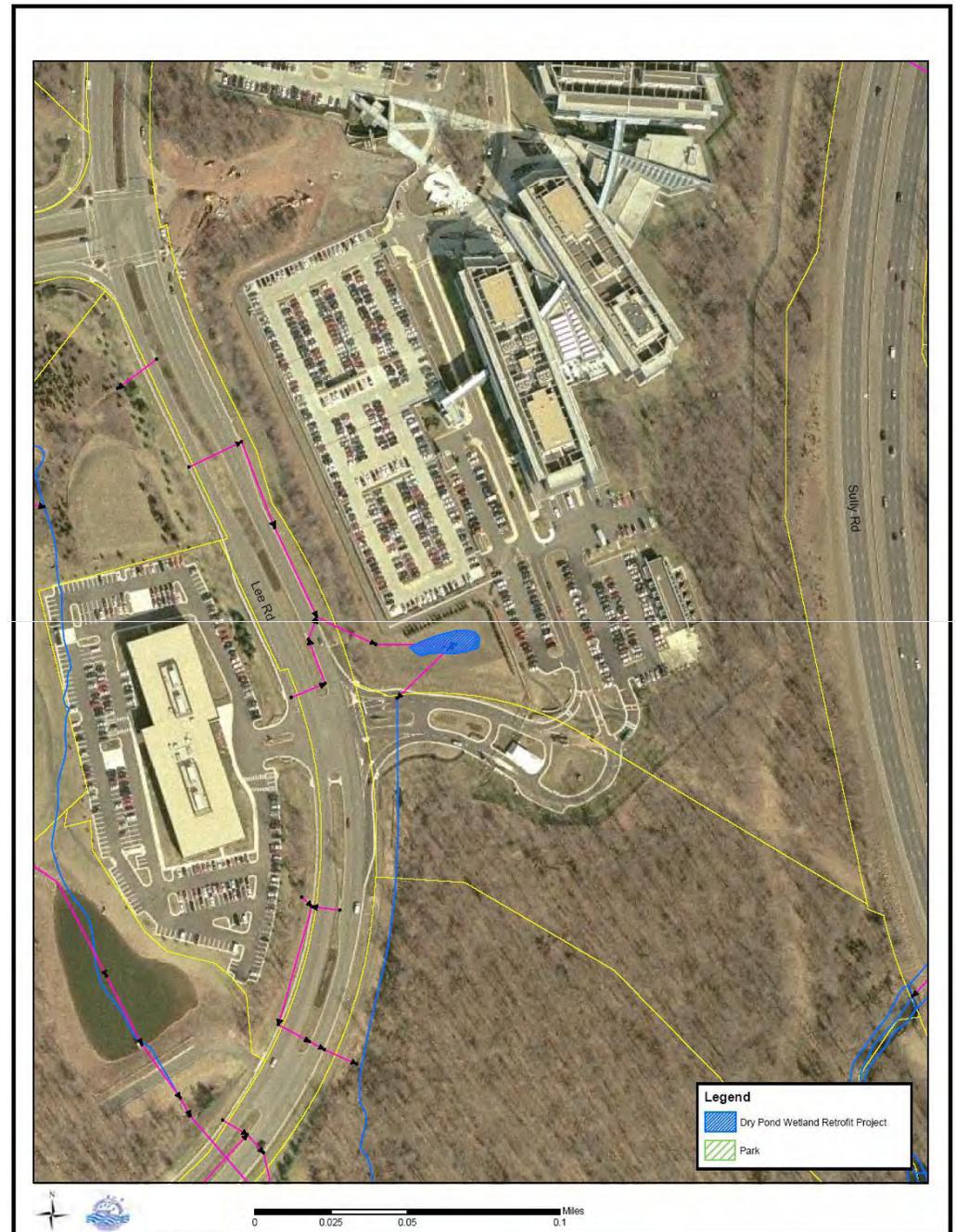
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| Project ID:   | CU9169  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Westfields Boulevard & Stonecroft Boulevard<br>PIN - 0443 04 Z<br>Sully Station<br>Flatlick Branch  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$96,621         |
| Base Construction Cost  |     |       |           | \$96,621         |
| Mobilization (5%)   |     |       |           | \$4,831          |
| Subtotal 1  |     |       |           | \$101,452        |
| Contingency (25%)   |     |       |           | \$25,363         |
| Subtotal 2  |     |       |           | \$126,815        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$57,067         |
| Total   |     |       |           | \$183,882        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$184,000</b> |



|               |  |
|---------------|--|
| Project ID:   | CU9170   |
| Project Type: | Dry Pond Retrofit  |
| Location:     | Lee Road<br>PIN - 0441 04 0041<br>Westfields International Center at Dulles<br>Flatlick Branch   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Private maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$33,135        |
| Base Construction Cost  |     |       |           | \$33,135        |
| Mobilization (5%)   |     |       |           | \$1,657         |
| Subtotal 1  |     |       |           | \$34,792        |
| Contingency (25%)   |     |       |           | \$8,698         |
| Subtotal 2  |     |       |           | \$43,490        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$19,570        |
| Total   |     |       |           | \$63,060        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$64,000</b> |



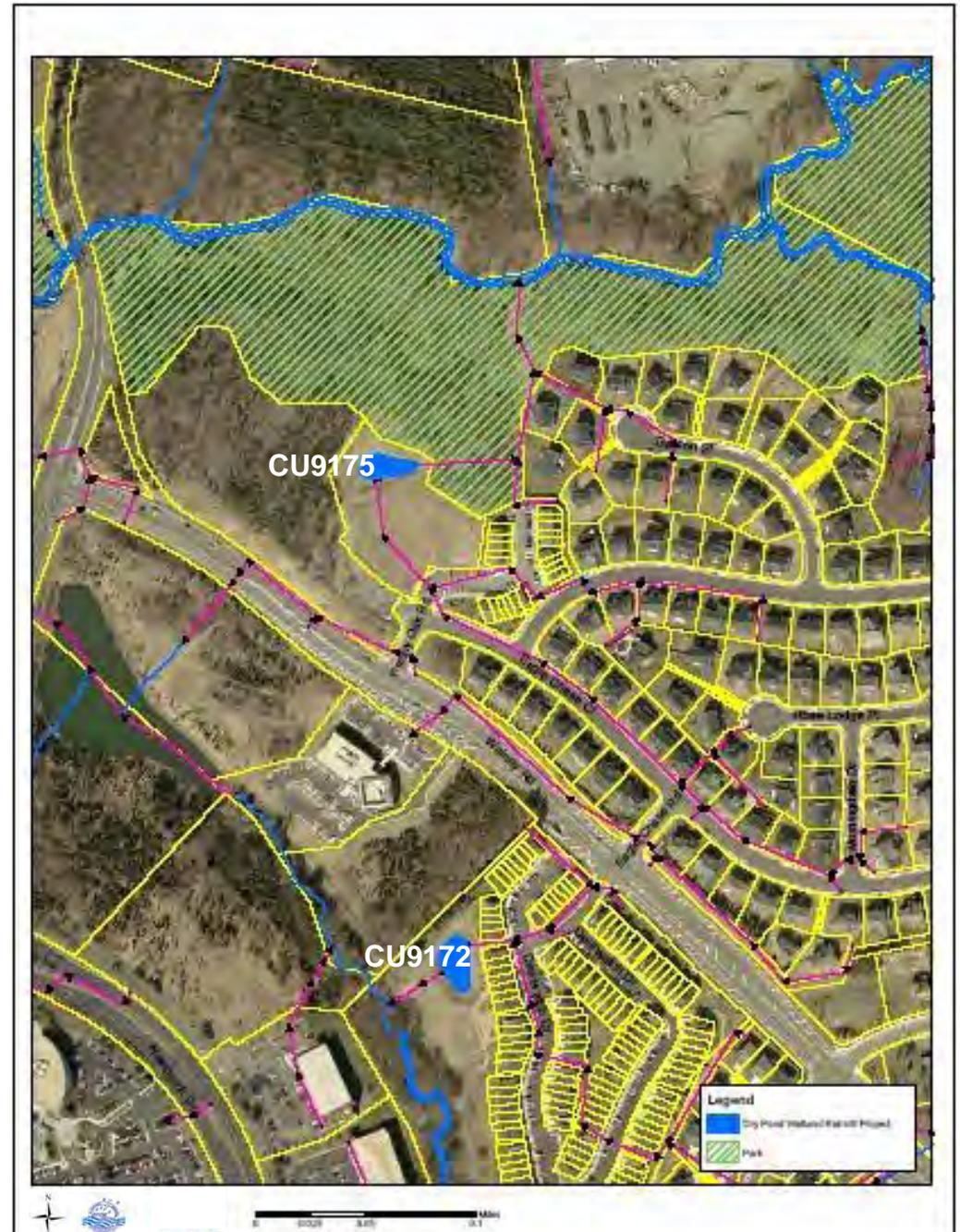
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| Project ID:   | CU9171   |
| Project Type: | Dry Pond Retrofit  |
| Location:     | Brookfield Corporate Center<br>PIN - 0441 03 E2<br>Brookfield Corporate Center<br>Flatlick Branch  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Private maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$38,832        |
| Base Construction Cost  |     |       |           | \$38,832        |
| Mobilization (5%)   |     |       |           | \$1,942         |
| Subtotal 1  |     |       |           | \$40,774        |
| Contingency (25%)   |     |       |           | \$10,193        |
| Subtotal 2  |     |       |           | \$50,967        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$22,935        |
| Total   |     |       |           | \$73,902        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$74,000</b> |



|               |  |
|---------------|--|
| Project ID:   | CU9172   |
| Project Type: | Dry Pond Retrofit  |
| Location:     | Flatlick Branch Drive<br>PIN - 0442 22 A<br>Walney Village<br>Flatlick Branch  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Private maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$36,672        |
| Base Construction Cost  |     |       |           | \$36,672        |
| Mobilization (5%)   |     |       |           | \$1,834         |
| Subtotal 1  |     |       |           | \$38,506        |
| Contingency (25%)   |     |       |           | \$9,626         |
| Subtotal 2  |     |       |           | \$48,132        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$21,659        |
| Total   |     |       |           | \$69,791        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$70,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9173  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | Lewis Leigh Court and Walney Road<br>PIN - 0444 09 A<br>The Estates at Leeton Manor<br>Flatlick Branch  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$29,697        |
| Base Construction Cost  |     |       |           | \$29,697        |
| Mobilization (5%)   |     |       |           | \$1,485         |
| Subtotal 1  |     |       |           | \$31,182        |
| Contingency (25%)   |     |       |           | \$7,795         |
| Subtotal 2  |     |       |           | \$38,977        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$17,540        |
| Total   |     |       |           | \$56,517        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$57,000</b> |



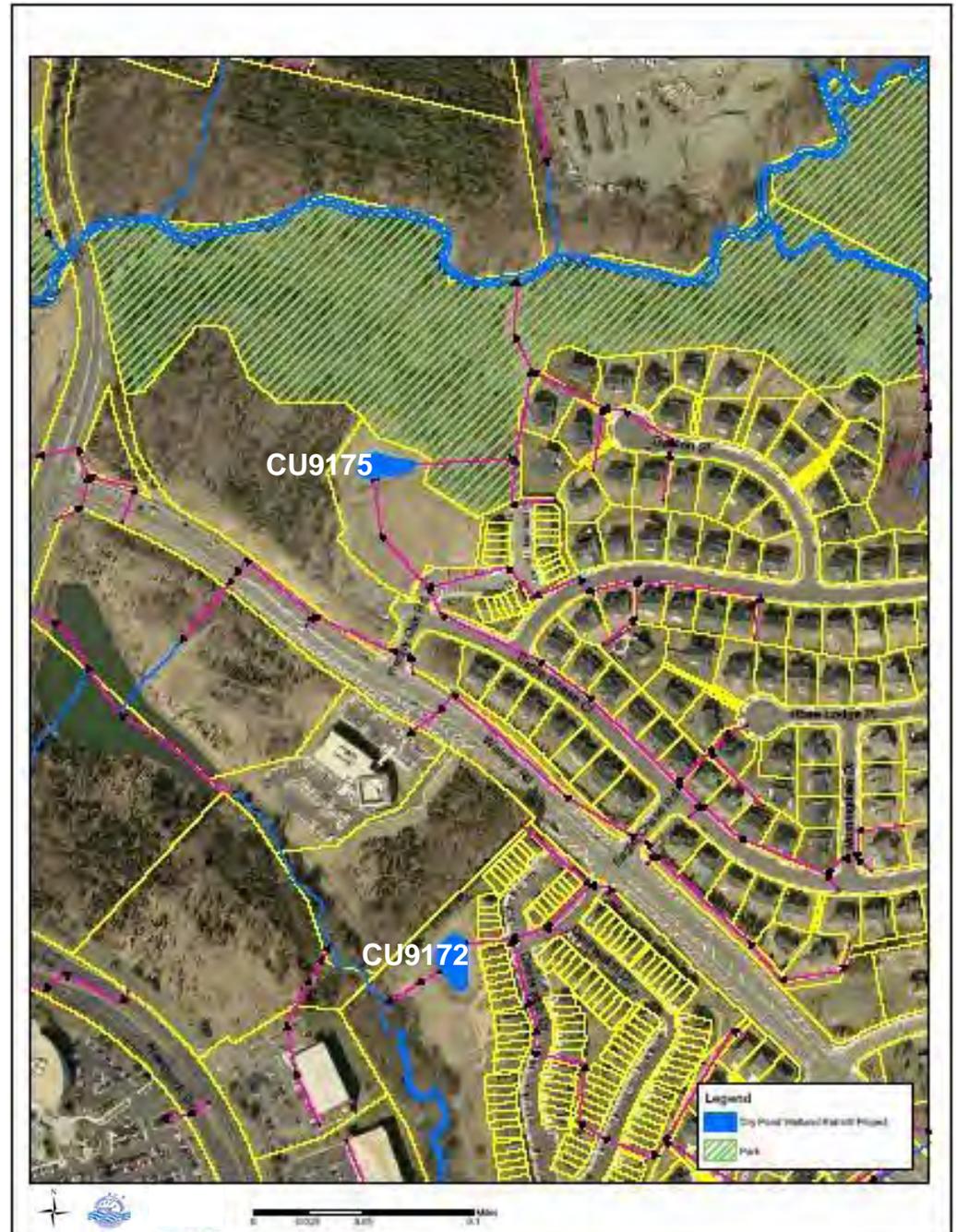
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| Project ID:   | CU9174   |
| Project Type: | Dry Pond Retrofit  |
| Location:     | Walney Road & Mariah Court<br>PIN - 0441 03 B<br>Brookfield Corporate Center<br>Flatlick Branch  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Private maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$73,302         |
| Base Construction Cost  |     |       |           | \$73,302         |
| Mobilization (5%)   |     |       |           | \$3,665          |
| Subtotal 1  |     |       |           | \$76,967         |
| Contingency (25%)   |     |       |           | \$19,242         |
| Subtotal 2  |     |       |           | \$96,209         |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$43,294         |
| Total   |     |       |           | \$139,503        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$140,000</b> |



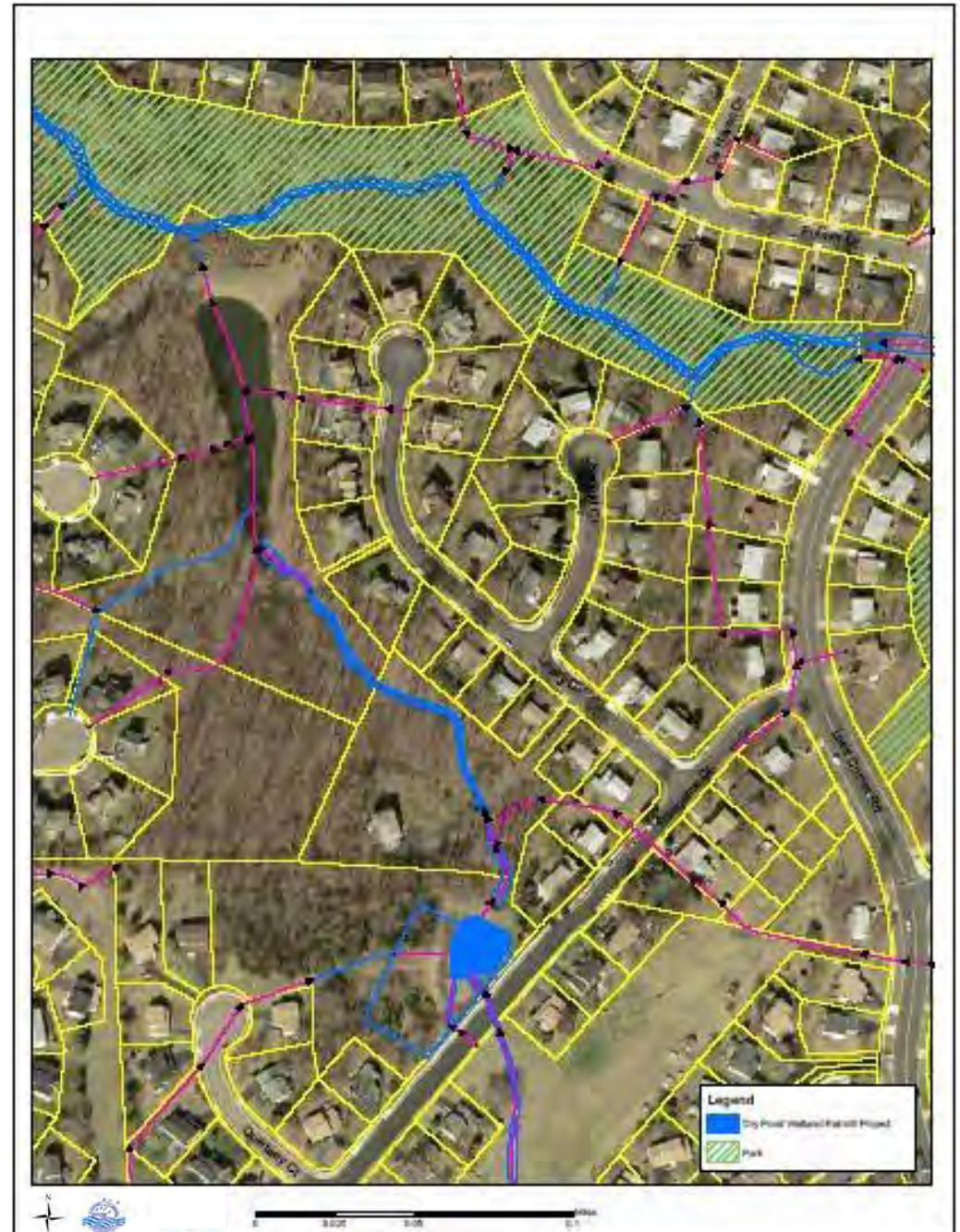
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| Project ID:   | CU9175   |
| Project Type: | Dry Pond Retrofit  |
| Location:     | Penny Tree Place<br>PIN - 0442 20 B<br>Walney Road<br>Flatlick Branch  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Private maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$42,747        |
| Base Construction Cost  |     |       |           | \$42,747        |
| Mobilization (5%)   |     |       |           | \$2,137         |
| Subtotal 1  |     |       |           | \$44,884        |
| Contingency (25%)   |     |       |           | \$11,221        |
| Subtotal 2  |     |       |           | \$56,105        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$25,247        |
| Total   |     |       |           | \$81,353        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$82,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9176  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Fillingame Drive Between Quitway Court and Lowry Drive<br>PIN - 0442 09 A<br>Brookfield<br>Flatlick Branch  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$57,813         |
| Base Construction Cost  |     |       |           | \$57,813         |
| Mobilization (5%)   |     |       |           | \$2,891          |
| Subtotal 1  |     |       |           | \$60,704         |
| Contingency (25%)   |     |       |           | \$15,176         |
| Subtotal 2  |     |       |           | \$75,880         |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$34,146         |
| Total   |     |       |           | \$110,025        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$111,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9177  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Smallwood Court<br>PIN - 0442 21 B<br>Baileys Property<br>Frog Branch   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$32,307        |
| Base Construction Cost  |     |       |           | \$32,307        |
| Mobilization (5%)   |     |       |           | \$1,615         |
| Subtotal 1  |     |       |           | \$33,922        |
| Contingency (25%)   |     |       |           | \$8,481         |
| Subtotal 2  |     |       |           | \$42,403        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$19,081        |
| Total   |     |       |           | \$61,484        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$62,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9178  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Fallen Oak Court<br>PIN - 0453 03 0129<br>Poplar Tree Estates<br>Frog Branch  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$41,901        |
| Base Construction Cost  |     |       |           | \$41,901        |
| Mobilization (5%)   |     |       |           | \$2,095         |
| Subtotal 1  |     |       |           | \$43,996        |
| Contingency (25%)   |     |       |           | \$10,999        |
| Subtotal 2  |     |       |           | \$54,995        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$24,748        |
| Total   |     |       |           | \$79,743        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$80,000</b> |



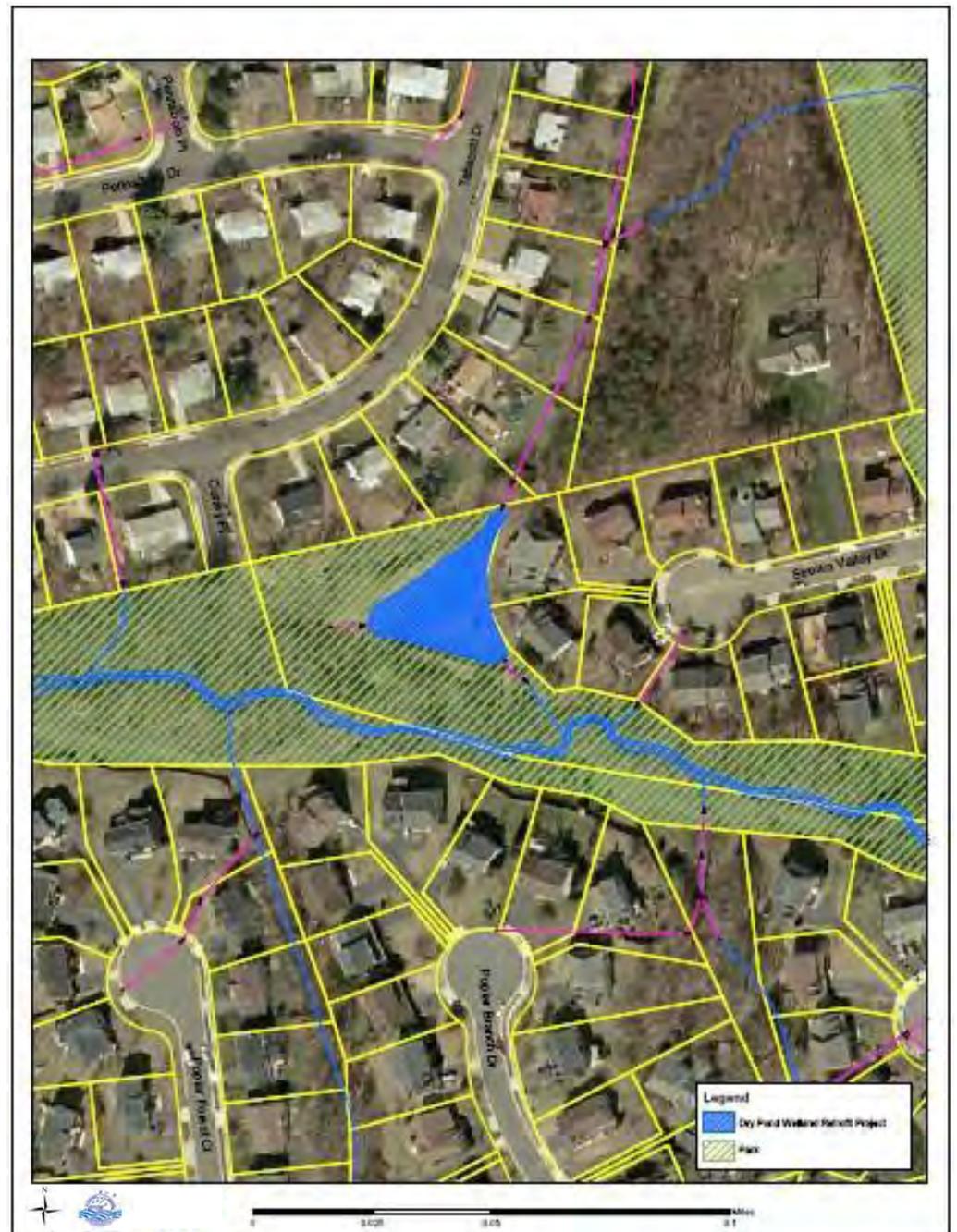
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|---------------|---|
| Project ID:   | CU9179  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | Hollowstone Court<br>PIN - 0451 12 B<br>Marian Woods<br>Frog Branch   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$33,027        |
| Base Construction Cost  |     |       |           | \$33,027        |
| Mobilization (5%)   |     |       |           | \$1,651         |
| Subtotal 1  |     |       |           | \$34,678        |
| Contingency (25%)   |     |       |           | \$8,670         |
| Subtotal 2  |     |       |           | \$43,348        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$19,507        |
| Total   |     |       |           | \$62,855        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$63,000</b> |



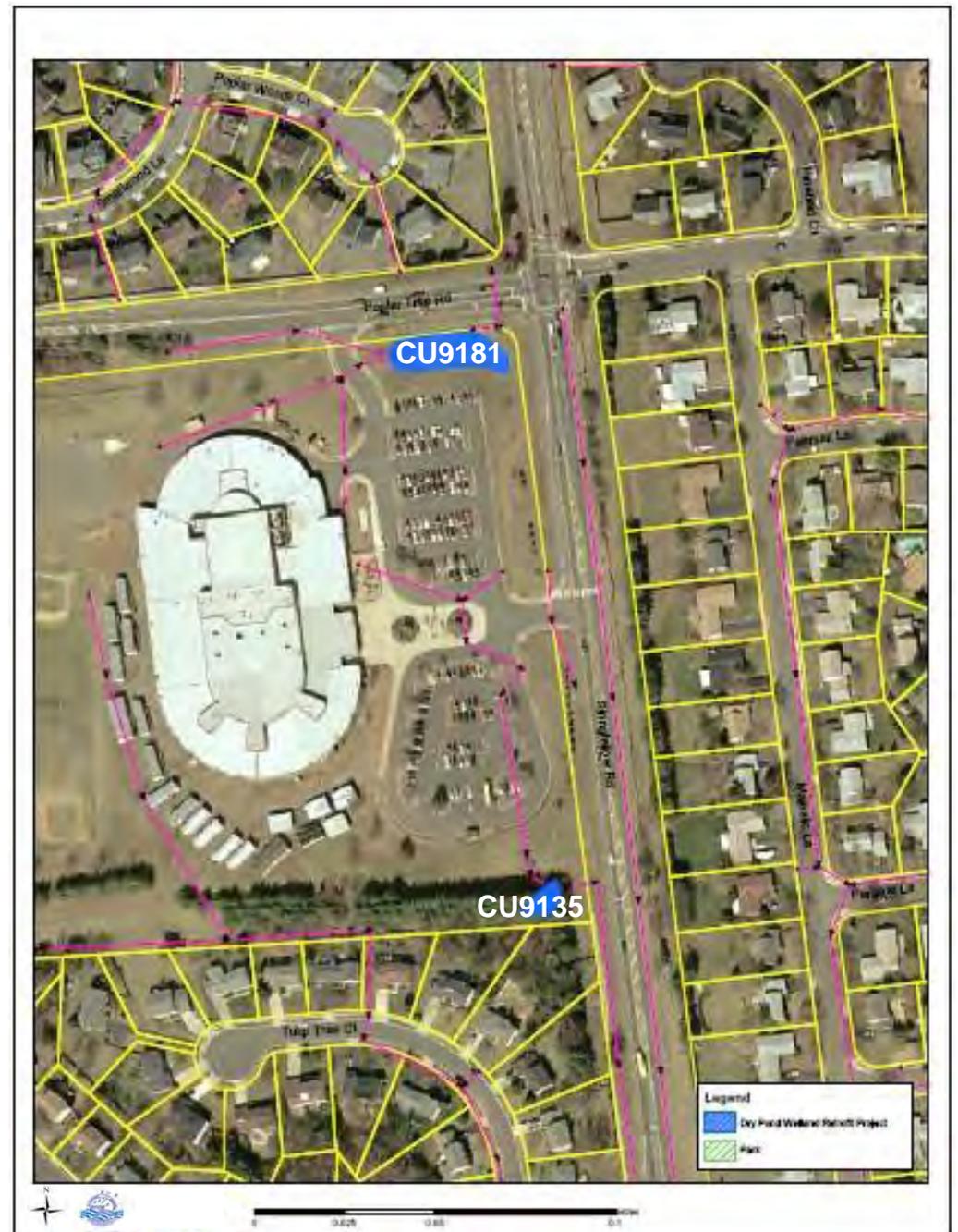
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|---------------|---|
| Project ID:   | CU9180  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Stream Valley Drive<br>PIN - 0451 09 A<br>Poplar Tree Woods<br>Frog Branch  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$66,723         |
| Base Construction Cost  |     |       |           | \$66,723         |
| Mobilization (5%)   |     |       |           | \$3,336          |
| Subtotal 1  |     |       |           | \$70,059         |
| Contingency (25%)   |     |       |           | \$17,515         |
| Subtotal 2  |     |       |           | \$87,574         |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$39,408         |
| Total   |     |       |           | \$126,982        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$127,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9181  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | Rocky Run Middle School North<br>PIN - 0453 03 E<br>Poplar Tree Estates<br>Frog Branch  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$43,044        |
| Base Construction Cost  |     |       |           | \$29,130        |
| Mobilization (5%)   |     |       |           | \$1,457         |
| Subtotal 1  |     |       |           | \$30,587        |
| Contingency (25%)   |     |       |           | \$7,647         |
| Subtotal 2  |     |       |           | \$38,233        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$17,205        |
| Total   |     |       |           | \$55,438        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$56,000</b> |



|               |   |
|---------------|---|
| Project ID    | CU9182  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Currey Lane, Chantilly Library<br>PIN - 0451 01 0007<br>Frog Branch   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$43,044        |
| Base Construction Cost  |     |       |           | \$43,044        |
| Mobilization (5%)   |     |       |           | \$2,152         |
| Subtotal 1  |     |       |           | \$45,196        |
| Contingency (25%)   |     |       |           | \$11,299        |
| Subtotal 2  |     |       |           | \$56,495        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$25,423        |
| Total   |     |       |           | \$81,918        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$82,000</b> |

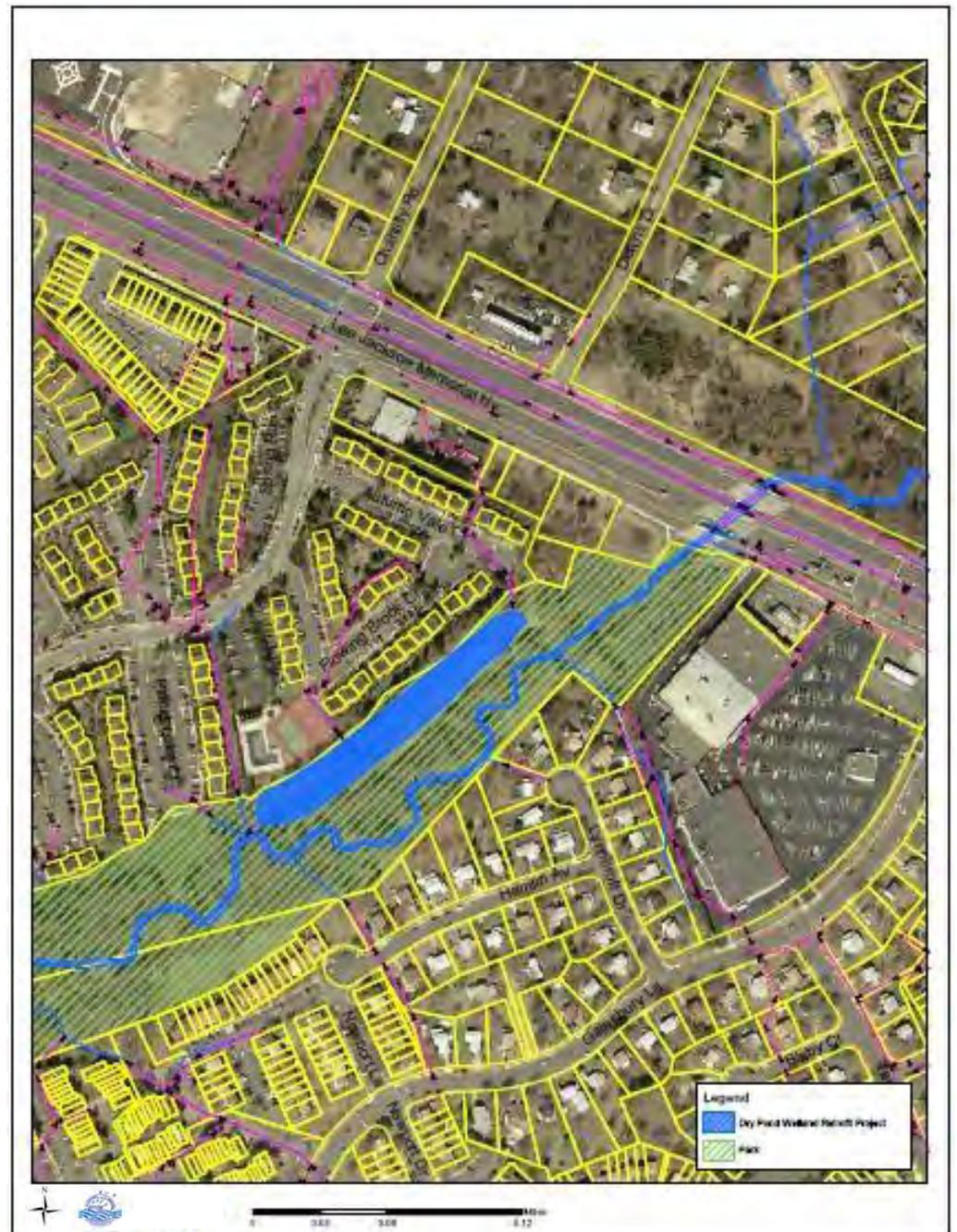


|               |  |
|---------------|--|
| Project ID:   | CU9183   |
| Project Type: | Dry Pond Retrofit – Low Priority   |
| Location:     | Leafcrest Lane<br>PIN - 0451 01 0014<br>Frog Branch  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Private maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$30,246        |
| Base Construction Cost  |     |       |           | \$30,246        |
| Mobilization (5%)   |     |       |           | \$1,512         |
| Subtotal 1  |     |       |           | \$31,758        |
| Contingency (25%)   |     |       |           | \$7,940         |
| Subtotal 2  |     |       |           | \$39,698        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$17,864        |
| Total   |     |       |           | \$57,562        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$58,000</b> |



|   |  |       |           |                 |
|---|--|-------|-----------|-----------------|
| Project ID:   | CU9184   |       |           |                 |
| Project Type:   | Dry Pond Retrofit  |       |           |                 |
| Location:   | Flatlick Branch South of Route 50<br>PIN - 0442 01 0009<br>Flatlick Branch Stream Valley Park<br>Near Winding Brook Condo Association<br>Flatlick Branch                                 |       |           |                 |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate. Located in Parkland. Maintenance status is unknown |       |           |                 |
| Project Cost Estimate   |  |       |           |                 |
| Item  | Qty  | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1  | Pond  |           | \$31,164        |
| Base Construction Cost  |  |       |           | \$31,164        |
| Mobilization (5%)   |  |       |           | \$1,558         |
| Subtotal 1  |  |       |           | \$32,722        |
| Contingency (25%)   |  |       |           | \$8,181         |
| Subtotal 2  |  |       |           | \$40,903        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |  |       |           | \$18,406        |
| Total   |  |       |           | \$59,309        |
| <b>Estimated Project Cost</b>   |  |       |           | <b>\$60,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9185  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Beach Down Drive<br>PIN - 0344 10 X<br>Armfield Farms<br>Flatlick Branch  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$29,535        |
| Base Construction Cost  |     |       |           | \$29,535        |
| Mobilization (5%)   |     |       |           | \$1,477         |
| Subtotal 1  |     |       |           | \$31,012        |
| Contingency (25%)   |     |       |           | \$7,753         |
| Subtotal 2  |     |       |           | \$38,765        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$17,444        |
| Total   |     |       |           | \$56,209        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$57,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9186  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Beech Down Drive & Bellerose Drive<br>PIN - 0344 10 V<br>Armfield Farms<br>Flatlick Branch  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$93,444         |
| Base Construction Cost  |     |       |           | \$93,444         |
| Mobilization (5%)   |     |       |           | \$4,672          |
| Subtotal 1  |     |       |           | \$98,116         |
| Contingency (25%)   |     |       |           | \$24,529         |
| Subtotal 2  |     |       |           | \$122,645        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$55,190         |
| Total   |     |       |           | \$177,836        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$178,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9187  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Hollinger Avenue & Lees Corner Road<br>PIN - 0451 08 A<br>Foxfield<br>Flatick Branch  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$43,656        |
| Base Construction Cost  |     |       |           | \$43,656        |
| Mobilization (5%)   |     |       |           | \$2,183         |
| Subtotal 1  |     |       |           | \$45,839        |
| Contingency (25%)   |     |       |           | \$11,460        |
| Subtotal 2  |     |       |           | \$57,299        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$25,784        |
| Total   |     |       |           | \$83,083        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$84,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9188  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Kernstown Court (C43)<br>PIN - 0451 0816 A<br>Foxfield<br>Flatlick Branch   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$59,577         |
| Base Construction Cost  |     |       |           | \$59,577         |
| Mobilization (5%)   |     |       |           | \$2,979          |
| Subtotal 1  |     |       |           | \$62,556         |
| Contingency (25%)   |     |       |           | \$15,639         |
| Subtotal 2  |     |       |           | \$78,195         |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$35,188         |
| Total   |     |       |           | \$113,382        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$114,000</b> |



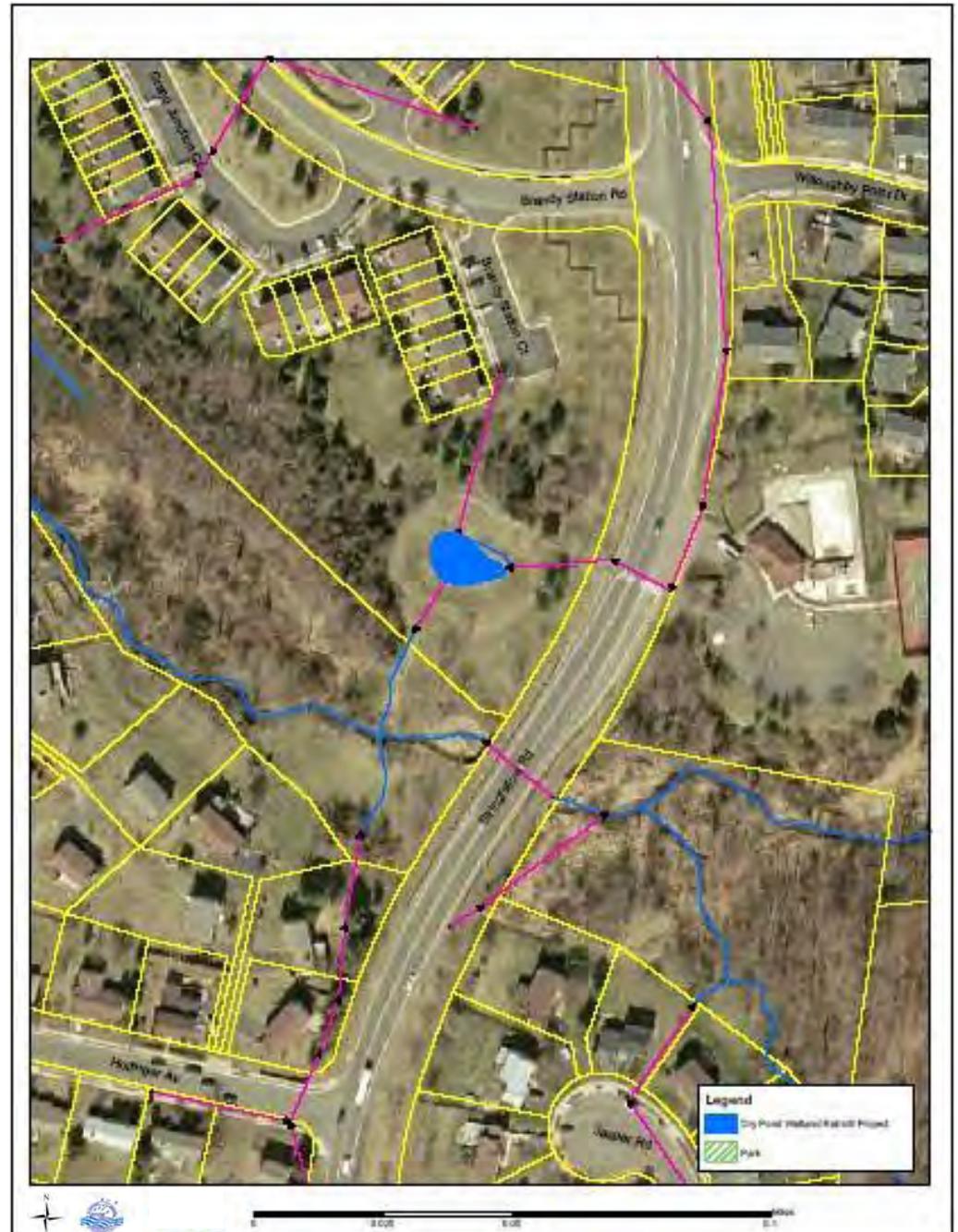
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|---------------|---|
| Project ID:   | CU9189  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | Lees Corner Road & King Charles Drive<br>PIN - 0353 11 A1<br>Fair Oaks Farms<br>Flatlick Branch   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$36,816        |
| Base Construction Cost  |     |       |           | \$36,816        |
| Mobilization (5%)   |     |       |           | \$1,841         |
| Subtotal 1  |     |       |           | \$38,657        |
| Contingency (25%)   |     |       |           | \$9,664         |
| Subtotal 2  |     |       |           | \$48,321        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$21,744        |
| Total   |     |       |           | \$70,065        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$71,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9190  |
| Project Type: | Dry Pond Retrofit – Low Priority  |
| Location:     | Stringfellow Road Near Brandy Station Road<br>PIN - 0353 2303 P<br>Foxfield<br>Oxlick Branch  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$31,398        |
| Base Construction Cost  |     |       |           | \$31,398        |
| Mobilization (5%)   |     |       |           | \$1,570         |
| Subtotal 1  |     |       |           | \$32,968        |
| Contingency (25%)   |     |       |           | \$8,242         |
| Subtotal 2  |     |       |           | \$41,210        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$18,544        |
| Total   |     |       |           | \$59,754        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$60,000</b> |



|               |  |
|---------------|--|
| Project ID:   | CU9191   |
| Project Type: | Dry Pond Retrofit – Low Priority   |
| Location:     | Spring Pond Place and Kalmia Lane<br>PIN - 0451 01 0014<br>Oxlick Branch   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Private maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$31,245        |
| Base Construction Cost  |     |       |           | \$31,245        |
| Mobilization (5%)   |     |       |           | \$1,562         |
| Subtotal 1  |     |       |           | \$32,807        |
| Contingency (25%)   |     |       |           | \$8,202         |
| Subtotal 2  |     |       |           | \$41,009        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$18,454        |
| Total   |     |       |           | \$59,463        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$60,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9192  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Alder Woods Drive<br>PIN - 0452 13 A<br>Fair Oaks Hunt<br>Oxlick Branch   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$36,699        |
| Base Construction Cost  |     |       |           | \$36,699        |
| Mobilization (5%)   |     |       |           | \$1,835         |
| Subtotal 1  |     |       |           | \$38,534        |
| Contingency (25%)   |     |       |           | \$9,633         |
| Subtotal 2  |     |       |           | \$48,167        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$21,675        |
| Total   |     |       |           | \$69,843        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$70,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9193  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Mazewood Lane<br>PIN - 0353 2310 R<br>Foxfield<br>Flatlick Branch   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$115,476        |
| Base Construction Cost  |     |       |           | \$115,476        |
| Mobilization (5%)   |     |       |           | \$5,774          |
| Subtotal 1  |     |       |           | \$121,250        |
| Contingency (25%)   |     |       |           | \$30,312         |
| Subtotal 2  |     |       |           | \$151,562        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$68,203         |
| Total   |     |       |           | \$219,765        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$220,000</b> |



|               |   |
|---------------|---|
| Project ID:   | CU9194  |
| Project Type: | Dry Pond Retrofit   |
| Location:     | Thompson Road & Oxon Road<br>PIN - 0354 17 B<br>Camberley East<br>Flatlick Branch   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$70,323         |
| Base Construction Cost  |     |       |           | \$70,323         |
| Mobilization (5%)   |     |       |           | \$3,516          |
| Subtotal 1  |     |       |           | \$73,839         |
| Contingency (25%)   |     |       |           | \$18,460         |
| Subtotal 2  |     |       |           | \$92,299         |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$41,535         |
| Total   |     |       |           | \$133,833        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$134,000</b> |



|               |  |
|---------------|--|
| Project ID:   | CU9195   |
| Project Type: | Dry Pond Retrofit  |
| Location:     | Fairfax County Parkway & Tuckaway Drive<br>PIN - 0353 01 0012I<br>Flatlick Branch  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate. Evaluate and implement options to provide enhanced peak flow control. Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$64,824         |
| Base Construction Cost  |     |       |           | \$64,824         |
| Mobilization (5%)   |     |       |           | \$3,241          |
| Subtotal 1  |     |       |           | \$68,065         |
| Contingency (25%)   |     |       |           | \$17,016         |
| Subtotal 2  |     |       |           | \$85,082         |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$38,287         |
| Total   |     |       |           | \$123,368        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$124,000</b> |



|   |  |       |           |                 |
|---|--|-------|-----------|-----------------|
| Project ID:   | CU9196   |       |           |                 |
| Project Type:   | Dry Pond Retrofit – Low Priority   |       |           |                 |
| Location:   | Fern Hollow Place<br>PIN - 0353 0915 C<br>Franklin Farm<br>Flatlick Branch   |       |           |                 |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate.<br>Evaluate and implement options to provide enhanced peak flow control.<br>Public maintenance |       |           |                 |
| Project Cost Estimate   |  |       |           |                 |
| Item  | Qty  | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1  | Pond  |           | \$33,333        |
| Base Construction Cost  |  |       |           | \$33,333        |
| Mobilization (5%)   |  |       |           | \$1,667         |
| Subtotal 1  |  |       |           | \$35,000        |
| Contingency (25%)   |  |       |           | \$8,750         |
| Subtotal 2  |  |       |           | \$43,750        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |  |       |           | \$19,687        |
| Total   |  |       |           | \$63,437        |
| <b>Estimated Project Cost</b>   |  |       |           | <b>\$64,000</b> |



|               |  |
|---------------|--|
| Project ID:   | CU9197   |
| Project Type: | Dry Pond Retrofit – Low Priority   |
| Location:     | Ashvale Drive & Franklin Manor Court<br>PIN - 0353 24 D<br>Franklin Manor<br>Flatlick Branch   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate. Evaluate and implement options to provide enhanced peak flow control. Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$30,390        |
| Base Construction Cost  |     |       |           | \$30,390        |
| Mobilization (5%)   |     |       |           | \$1,520         |
| Subtotal 1  |     |       |           | \$31,910        |
| Contingency (25%)   |     |       |           | \$7,977         |
| Subtotal 2  |     |       |           | \$39,887        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$17,949        |
| Total   |     |       |           | \$57,836        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$58,000</b> |



|               |  |
|---------------|--|
| Project ID:   | CU9198   |
| Project Type: | Dry Pond Retrofit  |
| Location:     | Applegrove Lane and Fern Hollow Place<br>PIN - 0353 0915 L<br>Franklin Farm<br>Flatlick Branch   |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate. Evaluate and implement options to provide enhanced peak flow control. Public maintenance |

| Project Cost Estimate   |     |       |           |                  |
|---|-----|-------|-----------|------------------|
| Item  | Qty | Units | Unit Cost | Total Cost       |
| Dry Pond Retrofit   | 1   | Pond  |           | \$52,422         |
| Base Construction Cost  |     |       |           | \$52,422         |
| Mobilization (5%)   |     |       |           | \$2,621          |
| Subtotal 1  |     |       |           | \$55,043         |
| Contingency (25%)   |     |       |           | \$13,761         |
| Subtotal 2  |     |       |           | \$68,804         |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       |           | \$30,962         |
| Total   |     |       |           | \$99,766         |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$100,000</b> |



|               |  |
|---------------|--|
| Project ID:   | CU9199   |
| Project Type: | Dry Pond Retrofit – Low Priority   |
| Location:     | Willow Glen Court<br>PIN - 0354 10 P<br>Franklin Farm Section 5D<br>Flatlick Branch  |
| Description:  | Modify existing dry pond to improve nutrient removal by adding wetland features. Evaluate and modify outlet structure if appropriate. Evaluate and implement options to provide enhanced peak flow control. Public maintenance |

| Project Cost Estimate   |     |       |           |                 |
|---|-----|-------|-----------|-----------------|
| Item  | Qty | Units | Unit Cost | Total Cost      |
| Dry Pond Retrofit   | 1   | Pond  |           | \$31,938        |
| Base Construction Cost  |     |       |           | \$31,938        |
| Mobilization (5%)   |     |       |           | \$1,597         |
| Subtotal 1  |     |       |           | \$33,535        |
| Contingency (25%)   |     |       |           | \$8,384         |
| Subtotal 2  |     |       |           | \$41,919        |
| Engineering design, surveys, land acquisition, utility locations, and permits (45%) |     |       | \$18,863  |                 |
| Total   |     |       |           | \$60,782        |
| <b>Estimated Project Cost</b>   |     |       |           | <b>\$61,000</b> |

