MEMORANDUM

TO: Rebecca S. Park, P.E.
DATE: January 30, 2019
Updated December 8, 2019
FROM: Amanda D. Shiflett, P.E.
PROJECT: Good Hope Road Sidewalk
JMT JOB NO.: 13-0605-007
RE: Removal of Impervious Areas within Special Protection Area (SPA)

This memorandum documents the potential areas for existing impervious area within the Upper Paint Branch Special Protection Area (SPA) to be removed to offset the impervious area that will be added to construct the Good Hope Road Sidewalk project. Approximately 0.75 acres of impervious area will be installed and need to be mitigated at a one-to-one ratio. This area includes both pervious and impervious trail pavement proposed to be installed.

The following chart summarizes the locations within the SPA that have been identified as potential areas for impervious area removal. Detailed information about each location is included in this memo.

<table>
<thead>
<tr>
<th>Location</th>
<th>Approx. Area</th>
<th>Owner</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Good Hope Road at Briggs Chaney Road</td>
<td>0.13 acre</td>
<td>County</td>
<td>Shoulder Removal</td>
</tr>
<tr>
<td>Briggs Chaney Road west of Good Hope Road</td>
<td>0.88 acre</td>
<td>County</td>
<td>Shoulder Removal</td>
</tr>
<tr>
<td>Foster Road</td>
<td>0.02 acre</td>
<td>County</td>
<td>Remove turnaround</td>
</tr>
<tr>
<td><strong>County Subtotal: 1.03 acres</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spencerville Park</td>
<td>0.06 acre</td>
<td>M-NCPPC</td>
<td>Reconfigure existing parking lot</td>
</tr>
<tr>
<td><strong>M-NCPPC Subtotal: 0.06 acres</strong></td>
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</tr>
</tbody>
</table>
PROPERTIES UNDER CONSIDERATION

Good Hope Road at Briggs Chaney Road (County)

Wide shoulders in Northeast, Northwest, and Southeast quadrants:
0.13 acres acres of impervious removal opportunity
Briggs Chaney Road; West of Good Hope Road (County)

Wide shoulders on North and South side of roadway:
0.88 acres of impervious removal opportunity
Foster Road (County)

Turnaround area at end of road:
0.02 acres of impervious removal opportunity
Spencerville Park (M-NCPPC)

Lot could be restriped and pavement surface reduced: 0.06 acres of impervious removal opportunity.