### Project Index of Sheets

<table>
<thead>
<tr>
<th>SHEET NO.</th>
<th>DESCRIPTION OF SHEETS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Plan Sheet, Rte. 840 (Sta. 34+50 to 41+44.21)</td>
</tr>
<tr>
<td>2</td>
<td>Plan Sheet, Rte. 840 (Sta. 27+50 to 34+50)</td>
</tr>
<tr>
<td>3</td>
<td>Plan Sheet, Rte. 840 (Sta. 20+50 to 27+50)</td>
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<tr>
<td>4</td>
<td>Plan Sheet, Rte. 840 (Sta. 13+50 to 20+50)</td>
</tr>
<tr>
<td>5</td>
<td>Plan Sheet, Rte. 840 (Sta. 10+00 to 13+50)</td>
</tr>
<tr>
<td>6</td>
<td>Profile Sheet, Rte. 840 (Sta. 34+50 to 41+44.21)</td>
</tr>
<tr>
<td>7</td>
<td>Profile Sheet, Rte. 840 (Sta. 27+50 to 34+50)</td>
</tr>
<tr>
<td>8</td>
<td>Profile Sheet, Rte. 840 (Sta. 20+50 to 27+50)</td>
</tr>
<tr>
<td>9</td>
<td>Profile Sheet, Rte. 840 (Sta. 13+50 to 20+50)</td>
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<tr>
<td>10</td>
<td>Profile Sheet, Rte. 840 (Sta. 10+00 to 13+50)</td>
</tr>
</tbody>
</table>

### Existing Drainage and Sanitary Sewer Descriptions
- Survey Control Traverse Data
- Construction Alignment Data
- Typical Sections
- Environmental Transport Civil Engineering Surveying Land Planning

### Project Index Details

- **Proj. No.**: 17C17002, PE101, RW201, C501
- **SHEET NO.**
- **VA.**
- **REVISED**
- **STATE**
- **ROUTE**
- **PROJECT**

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**Note:**
- Design features relating to construction or to regulation and control of traffic may be subject to change as deemed necessary by the Department.

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**Contact:**
- RDA: Rick DeLong, PE (571) 719-6471
- Accumark (703) 378-0100; April 2019
- Environmental Transport Civil Engineering Surveying Land Planning
- Address:
  - Nova District
  - Suite 200
  - 9385 Discovery Boulevard
  - Manassas, VA 20109

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**Project:**
- **Sheets**
- **Sheet No.**
- **Description**
Existing Permanent Easement Information

- EX. LANDSCAPE AREA
- EX. BUFFER AREA
- EX. SIGHT DISTANCE
- EX. GUARDRAIL/BARRIER
- EX. BUFFER AREA
- EX. GUARD RAIL
- EX. WATER MAIN
- EX. SANITARY SEWER
- EX. SIDEWALK
- EX. MAINTENANCE
- EX. FLOODPLAIN LIMITS

These plans are unfinished and unapproved and may not be used for right of any or construction.
Survey Control Traverse Data

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>BEARING</th>
<th>DISTANCE</th>
<th>NORTHING</th>
<th>EASTING</th>
<th>ELEVATION</th>
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<tbody>
<tr>
<td>1</td>
<td>N 47°00'14.4&quot;</td>
<td>322.29</td>
<td>696234.548</td>
<td>11754679.991</td>
<td>258.11</td>
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<tr>
<td>2</td>
<td>N 46°35'50.5&quot;</td>
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<td>3</td>
<td>N 58°20'06.6&quot;</td>
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<td>696256.307</td>
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<td>258.11</td>
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<tr>
<td>4</td>
<td>N 40°37'59.8&quot;</td>
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<td>696279.776</td>
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<td>5</td>
<td>N 39°59'40.8&quot;</td>
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<td>696292.305</td>
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<td>6</td>
<td>N 60°41'05&quot;</td>
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<td>696303.515</td>
<td>11754679.991</td>
<td>258.11</td>
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<td>7</td>
<td>N 75°35'58.0&quot;</td>
<td>250.82</td>
<td>696310.797</td>
<td>11754679.991</td>
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<td>8</td>
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<td>9</td>
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<td>696326.774</td>
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<td>10</td>
<td>N 54°54'55.7&quot;</td>
<td>156.72</td>
<td>696336.638</td>
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<td>11</td>
<td>S 21°35'50.3&quot;</td>
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<td>696395.032</td>
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</tr>
<tr>
<td>12</td>
<td>S 16°28'55.8&quot;</td>
<td>494.50</td>
<td>696453.032</td>
<td>11754679.991</td>
<td>258.11</td>
</tr>
</tbody>
</table>

Distance Converted to VDOT
Virginia State Plane Coordinates: NAD 83 - U.S. Survey Feet

Established By: Rinker Design Associates, P.C.
Project Specific Combined Scale

Right of Way Services

DESIGN BY

RDA: Rick DeLong, PE (571) 719-6471
PWCDOT: Gladis Arboleda (703) 792-5276
Accumark (703) 378-0100; April 2019
RDA: Ryan Dreelin LS (703) 334-9302; March 2019

City/County: Prince William
Longitude: 77°32'57.06422"
Latitude: 38°45'40.49319"
Ellipsoid Height (h): 160.08
Factor: 1.000055070 (9 Decimal Places)

Horizontal Datum: NAD 83
Vertical Datum: NAVD 1988

VA ORD 500225, 2003

Survey Control Traverse Data

Survey Control Traverse Data

Survey Control Traverse Data
Existing Drainage and Sanitary Sewer Descriptions

- Ex. Inv. Out=227.17
- Ex. Inv. In=227.95 (From North)
- In Pl. Storm Inlet
- Ex. Inv.=241.81
- Ex. Inv. Out=237.13
- Ex. Inv. In=234.79 (From South)
- Ex. Rim=243.22
- In Pl. Storm Inlet
- Ex. Inv. Out=233.71
- Ex. Inv. Out=232.79
- Ex. Inv. In=233.10 (From 11)
- Ex. Inv. Out=226.16
- Ex. Inv. In=226.94 (From 15)
- Ex. Inv. Out=224.80
- Ex. Inv. Out=226.20
- Ex. Inv. In=225.25
- Ex. Rim=234.19
- Ex. Top=229.50
- Ex. Rim=253.48
- Ex. Inv. Out=259.93
- Ex. Inv. Out=259.54
- Ex. Inv. In=259.60
- Ex. Rim=265.06
- Ex. Rim=261.31
- In Pl. Storm Inlet
- Ex. Top=261.17
- In Pl. Storm Grate
- Ex. Inv. Out=259.54
- Ex. Inv. In=259.60
- Ex. Rim=265.06
- Ex. Rim=261.31
- In Pl. Storm Inlet
- Ex. Inv. Out=223.52
- Ex. Inv. In=223.95 (From West)
- Ex. Inv. In=223.70 (From 23)
- Ex. Top=227.55
- Ex. Inv. In=223.49
- Ex. Rim=227.34
- Ex. Inv. Out=222.23
- In Pl. Storm Inlet
- Ex. Inv.=222.57
- In Pl. End Section
- Ex. Inv. Out=242.35
- In Pl. Storm Inlet
- In Pl. Storm Grate
Profile, Rte. 840 (Sta. 20+50 to Sta. 27+50)

Profile, Tappen Mill Way (Sta. 150+00 to Sta. 154+37.50)
**Pavement Marking Legend**

- **Type B, Class I, White, 4" Width**
- **Denotes Tie to Existing Pavement Marking**

**Signage and Pavement Marking Plan**

- **Line Indicating Proposed/Relocated Sign Location**
- **Line Indicating Existing Sign Location**
- **Proposed Sign Panel**
- **Existing Sign to be Reset or Relocated**
- **Existing Sign to Remain**

**Note:**

- **Double Post Sign Support**
- **Type B, Class I, Yellow, 4" Width**
- **Type B, Class I, White, 4" Width, 3' Long, 9' Space**
- **Type B, Class I, White, Turn Lane Use Arrow**
- **Type B, Class I, White, 6" Width**
- **Type B, Class I, White, 4" Width, 2' Long, 4' Space**
- **Type B, Class I, White, 4" Width, 10' Long, 30' Space**
Signage and Pavement Marking Plan

Standard Sign Legend

<table>
<thead>
<tr>
<th>Plan Item</th>
<th>Existing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Post Sign Support</td>
<td>Existing</td>
</tr>
<tr>
<td>Double Post Sign Support</td>
<td>Existing</td>
</tr>
</tbody>
</table>

Existing Sign to be Maintained
Existing Sign to be Reset or Relocated
Existing Sign to be Removed
Proposed Sign Panel
Line indicating Existing Sign Location
Line indicating Proposed/Relocated Sign Location

**Pavement Marking Legend**

- Type B, Class I, Yellow, 4" Width
- Type B, Class I, Yellow, 4" Width
- Type B, Class I, White, 4" Width
- Type B, Class I, White, 4" Width
- Type B, Class I, White, 4" Width
- Type B, Class I, White, 4" Width
- Type B, Class I, White, 4" Width
- Type B, Class I, White, 4" Width

**Note:** Any existing condition that does not reflect the proposed markings shall be corrected prior to project mobilization. All plans shall be considered the project and all plans to be a separate file.