35. Roof top mechanical equipment, if any, must be enclosed within a wall or similar screening barrier, designed in harmony with the building.

32. Maintenance of the Storm Drainage or Storm Water Management facilities located therein shall be pursuant to Section 700 of the Prince

31. All walkways outside of the right-of-way limits will be maintained by the homeowners association.

24. The developer will be responsible for any damage to the existing streets and utilities which occurs as a result of his construction project

23. Each developer shall arrange for all public and private sanitary and storm sewers and water mains to be maintained and operated in accordance with the standards and specifications of the service authorities. No developer shall be required to maintain any public street or road or utility line.

22. The developer shall ensure that all streets, sidewalks, and curbs are maintained in good condition and are in accordance with the current specifications of Prince William County.

21. Contractors shall notify operators who maintain underground utility lines in the area of proposed excavating or blasting at least two (2) days before the proposed excavation.

20. The developer shall provide a plan for the location of all electric, gas, and water lines, as well as any other underground utilities.

19. All sanitary sewers and water mains and appurtenances shall be constructed in accordance with the current standards and specifications of the service authorities.

18. Notification shall be given to the appropriate utility company (Service Authority, Virginia-American Water Company, or Dale Service Authority) prior to construction of water and/or sanitary sewer lines. Information should also be obtained from the appropriate authority prior to the issuance of any occupancy permits. (Detached single family subdivision exempt.)

17. Any proposed changes to the existing streets, sidewalks, or curbs shall be reviewed by the appropriate authority and approved in writing.

16. Construction debris shall be containerized in accordance with the Virginia Litter Control Act; no less than one litter receptacle shall be provided at the construction site.

15. All standard street name signs, traffic control devices, and street lights shall be installed by the developer when the first building unit is occupied.

14. Every property owner shall maintain all streets, sidewalks, and curbs in good condition and in compliance with the current specifications of Prince William County.

13. The developer shall ensure that all streets, sidewalks, and curbs are maintained in good condition and are in accordance with the current specifications of Prince William County.

12. The developer shall provide a plan for the location of all electric, gas, and water lines, as well as any other underground utilities.

11. Notification shall be given to the appropriate utility company (Service Authority, Virginia-American Water Company, or Dale Service Authority) prior to construction of water and/or sanitary sewer lines. Information should also be obtained from the appropriate authority prior to the issuance of any occupancy permits. (Detached single family subdivision exempt.)

10. All sanitary sewers and water mains and appurtenances shall be constructed in accordance with the current standards and specifications of the service authorities.

9. An approved set of plans and all applicable permits must be available at the construction site. Also, a representative of the developer must be present at the construction site.

8. The exact location of all guard rails will be determined by VDOT personnel. "A joint inspection will be held with the Developer, County

7. A permit must be obtained from the Office of the Resident Engineer, Virginia Department of Transportation (VDOT) Prince William County,

6. A permit must be obtained from the Office of the Resident Engineer, Virginia Department of Transportation (VDOT) Prince William County,

5. The developer shall ensure that all streets, sidewalks, and curbs are maintained in good condition and are in accordance with the current specifications of Prince William County.

4. The developer shall provide a plan for the location of all electric, gas, and water lines, as well as any other underground utilities.

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1. The developer shall provide a plan for the location of all electric, gas, and water lines, as well as any other underground utilities.

These plans are unfinshed and unapproved and are not to be used for any type of construction or the acquisition of right of way.
Project Location Map

Prince William Pkwy. and Minnieville Rd. Single-Point Urban Interchange - Project Location Map

Prince William County, Virginia Population 484,472 (Est. 2021 Census)

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA

<table>
<thead>
<tr>
<th>NAME TYPE/NO.</th>
<th>VS</th>
<th>CS</th>
<th>ETR</th>
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

PH PLAN AND PROFILE SHEETS FOR DECISIONS AND UTILITY LOCATIONS ARE AVAILABLE.

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.
### Project Index of Sheets

**INDEX OF SHEETS CONTINUED**

- **INDEX OF SHEETS CONTINUED**
  - **Sheet No.**
  - **Description of Sheets**

- **INDEX OF SHEETS CONTINUED**
  - **Sheet No.**
  - **Description of Sheets**

### ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

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### Project Index of Sheets

**INDEX OF SHEETS**

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<td>x100 to x136</td>
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<td>23M</td>
<td>23L</td>
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**INDEX OF SHEETS CONTINUED**

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**AutoTURN General Notes and Legend**

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**VDOT LOCAL PH PLANS**

---

**ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.**

---

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---

**PD PLANS**
### Right of Way Data Sheet

**NOTE:** All data shown here is for information and estimating purposes only. This Project is a locally administered project by PWQDOT and Final Acquisition Plans are required and shall be provided by a professional surveyor.

#### PROJECT INFORMATION
- **SHEET NO.:**
- **SQ. FT.:**
- **SIGNAGE:**
- **WATER:**
- **PROJECT PARCEL TOTAL NO.:**
- **REALTY INCOME PENNSYLVANIA PROPERTIES TRUST 2 UNIT OWNERS LIBERTY COMMON CONDOMINIUM LAKESIDE HOMEOWNERS ASSOCIATION, INC., UNIT OWNERS DOMINION SQUARE CONDO GOLDEN ARCH LIMITED PARTNERSHIP DANICA AND STEPHEN A. COBB ELM FARM PROPERTIES, LLC. ELM FARM PROPERTIES, LLC. SOUTHERN KNOLLS, LLC. GSR INVESTMENTS, LLC. DODY VENTURES INC. PWC HOLDINGS, LLC. ANGELA M. O'NEAL MUHAMMAD NABIL LANDOWNER CEMETARY

#### DESIGN FEATURES RELATING TO CONSTRUCTION
- **ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.**

#### TEMPORARY EASEMENTS
- **PROPRIETORS:**
- **REMARKS PRINCE WILLIAM CO. G.P.I.N. NO.:**

#### PAYEE / SIGNATURE
- **MARK GUNN, RINKER DESIGN ASSOC., P.C., (703) 368-7373**

#### ADJUSTED EASEMENTS
- **NO.:**
- **REAL PROPERTY**:
- **G.P.I.N.:**
- **NO.:**

#### ADDITIONAL INFORMATION
- **ADJUSTED EASEMENTS**: 35x23 (in.)

#### ADDED EASEMENTS
- **WIDTH**:
- **LENGTH**:
- **SIGHT**:
- **DE AND JOINT USE**:
- **ENERGY**:
- **JOIN USE**:
- **REMAINDER**:
- **AREA**:

#### ADDITIONAL INFORMATION
- **VACATED**:
- **HIGHWAY**:
- **REMAINS**:
- **TOTAL**:

#### ADDITIONAL NOTES
- **UPC No.:**
- **City/County:**
- **DESIGN FEATURES RELATING TO CONSTRUCTION**:
- **ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.**

#### PH PLANS
- **PH PLANS**
Revision Data Sheet

<table>
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<th>C-501</th>
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.
Survey Drainage Information

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

PH PLANS

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Survey Drainage Information

<table>
<thead>
<tr>
<th>Structure</th>
<th>In Pl.</th>
<th>Out =</th>
<th>From Str.</th>
<th>To Str.</th>
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Survey Drainage Information

Structural AD07 to AD07

- **AD21**: In Pl. CDI, Inv. In = 305.13' (From Str. A221)
- **AD20**: Top = 301.09'
- **AD19**: Inv. Out = 299.57' (To Str. A235)
- **AD18**: Top = 302.23'
- **AD17**: Inv. In = 287.28' (From Str. A248)
- **AD16**: Inv. Out = 287.28'
- **AD15**: Inv. In = 295.23' (From Str. A252)
- **AD14**: Inv. Out = 298.24'
- **AD13**: Top = 300.92'
- **AD12**: Inv. In = 294.39' (From Str. A244)
- **AD11**: Inv. Out = 294.51' (From Str. A244)
- **AD10**: Top = 300.92'
- **AD9**: Inv. In = 294.51' (From Str. A244)
- **AD8**: Inv. Out = 294.60'
- **AD7**: Top = 301.14'
- **AD6**: Inv. In = 298.32' (From Str. A253)
- **AD5**: Inv. Out = 299.36' (To Str. A253)
- **AD4**: Top = 301.14'
- **AD3**: Inv. In = 294.51' (From Str. A244)
- **AD2**: Inv. Out = 294.60'
- **AD1**: Top = 301.14'

---

**DESIGN FEATURES RELATING TO CONSTRUCTION**

- **AD29**: Top = 301.36'
- **AD28**: Inv. Out = 298.32' (To Str. A233)
- **AD27**: Top = 301.36'
- **AD26**: Inv. In = 295.65' (From Southwest)
- **AD25**: Top = 298.36'
- **AD24**: Inv. Out = 291.55'
- **AD23**: Top = 298.36'
- **AD22**: Inv. Out = 293.02'
- **AD21**: Top = 298.36'
- **AD20**: Inv. Out = 293.02'
- **AD19**: Top = 298.36'
- **AD18**: Inv. Out = 294.73'
- **AD17**: Top = 298.36'
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- **AD11**: Top = 298.36'
- **AD10**: Inv. Out = 294.73'
- **AD9**: Top = 298.36'
- **AD8**: Inv. Out = 294.73'
- **AD7**: Top = 298.36'
- **AD6**: Inv. Out = 294.73'
- **AD5**: Top = 298.36'
- **AD4**: Inv. Out = 294.73'
- **AD3**: Top = 298.36'
- **AD2**: Inv. Out = 294.73'
- **AD1**: Top = 298.36'

---

**ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.**

**THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.**
## Underground Utilities Test Hole Information

<table>
<thead>
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<th>HOLES</th>
<th>TEST SHEETS</th>
<th>PLAN (FEET)</th>
<th>DISTANCE (FEET)</th>
<th>ELEV. (2)</th>
<th>STATION &amp; ROADWAY</th>
<th>OWNER</th>
<th>TYPE OF FACILITY</th>
<th>REMARKS (4)</th>
<th>YES/NO</th>
<th>CONFLICT (3)</th>
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<tbody>
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### NOTES:

1. ALL TEST HOLES ARE REFERENCED FROM THE SURVEY BASELINE UNLESS OTHERWISE NOTED.
2. ELEVATIONS SHOWN HEREON ARE TO THE TOP OF THE FACILITY UNLESS OTHERWISE NOTED.
3. YES OR NO; INFORMATION TO BE PROVIDED BY THE VDOT DISTRICT UTILITY ENGINEER.
4. REMARKS TO INCLUDE CLEARANCE DIMENSIONS REGARDLESS OF DISTANCE.
5. YES OR NO; NO INDICATES NO DIRECT CONFLICT, HOWEVER, CLEARANCE MAY BE LESS THAN ACCEPTABLE TO UTILITY OWNER.

---

**Utility Owners**:  
1. PWCSA  
   - Maureen Knight  
   - (703) 335-8933  
2. Verizon  
   - Maureen Knight  
   - (703) 335-8933  
3. Xfinity Cable  
   - Christopher Hunt  
   - (703) 479-0305  
4. Zayo Communications  
   - Karl Strootman  
   - (410) 979-0384  
5. Summit IG  
   - Kris Kobylski  
   - (571) 220-4813  
6. Metro Duct Systems Of Va  
   - Doug Wright  
   - (703) 443-1956  
7. NOVEC  
   - (703) 392-1519  
8. Washington Gas  
   - (703) 369-9571  
9. Comcast  
   - (703) 479-0305  

---

**Additional Easements for Utility Relocations May Be Required**

**PH Plans**

---

**These Plans Are Unfinished and Unapproved and Are Not to be Used for Any Type of Construction or the Acquisition of Right of Way.**
Temporary Traffic Control General Notes & Sequence of Construction Narrative

**General Notes**

1. Transportation Management Plan Sequence of Construction Type B Project Information:
   - Identify the project's TMD Type.
   - The project's TMD Type shall be designated in a Public Notice to the public.
   - The project's TPMDT shall be designated in a Public Notice to the public.
   - The project's TPMDT shall be designated in a Public Notice to the public.
   - The project's TPMDT shall be designated in a Public Notice to the public.
2. Access to the project area shall be maintained at all times.
3. Roadway and pedestrian access shall be maintained at all times.
4. The Contractor shall maintain a copy of the Prince William County may use various media publications to announce changes in traffic conditions.

**Construction Activities**

- The Contractor shall ensure that personnel assigned to the project are trained in traffic control to a level commensurate with their responsibilities in accordance with VDOT's work zone traffic control guidance.
- The Contractor shall designate a "Project Safety Officer." This person shall be responsible for the overall traffic control plan and shall receive training on the proper use of traffic control devices.
- The Contractor shall ensure that all personnel involved in traffic control are properly trained in accordance with VDOT's work zone traffic control guidance.
- The Contractor shall maintain a copy of the Prince William County may use various media publications to announce changes in traffic conditions.

**Night-time Closures**

- Night-time closures will be allowed from 10:00 pm to 5:00 am.
- One-lane closures will be restricted to the hours:
  - Phase 1: approximately station 175+50. This intersection shall remain operational once completed as part of the project.
  - Phase 2: approximately station 207+25.
  - Phase 3: as shown in 1K series.
  - Phase 4: as shown in 1K series.

**Advance Work Zone Traffic Control Training**

- The Contractor shall provide the Regional Transportation Operations Center with the training necessary to ensure that all personnel involved in traffic control are properly trained.
- The Contractor shall provide training to all personnel involved in traffic control.
- The Contractor shall ensure that all personnel involved in traffic control are properly trained.
- The Contractor shall ensure that all personnel involved in traffic control are properly trained.

**Supplement to the MUTCD, dated 2011.**

- Traffic control devices shall be used as specified in the MUTCD, dated 2011.
- Traffic control devices shall be used as specified in the MUTCD, dated 2011.
- Traffic control devices shall be used as specified in the MUTCD, dated 2011.
- Traffic control devices shall be used as specified in the MUTCD, dated 2011.

**Project Coordination**

- The Contractor shall coordinate with VDOT, Prince William County, and the Engineer on any work requiring lane shifts.
- The Contractor shall ensure that all personnel involved in traffic control are properly trained.
- The Contractor shall ensure that all personnel involved in traffic control are properly trained.
- The Contractor shall ensure that all personnel involved in traffic control are properly trained.

**Additional Easements for Utility Relocations**

- Additional easements for utility relocations may be required.
- Additional easements for utility relocations may be required.
- Additional easements for utility relocations may be required.
- Additional easements for utility relocations may be required.

**Public Communications Plan**

- The Contractor shall provide public notification of any lane closures or detours.
- The Contractor shall provide public notification of any lane closures or detours.
- The Contractor shall provide public notification of any lane closures or detours.
- The Contractor shall provide public notification of any lane closures or detours.

**Construction Duration**

- The project shall be completed within 48 hours of any fatal incident/crash within the work zone.
- The project shall be completed within 48 hours of any fatal incident/crash within the work zone.
- The project shall be completed within 48 hours of any fatal incident/crash within the work zone.
- The project shall be completed within 48 hours of any fatal incident/crash within the work zone.

**Temporary Traffic Control General Notes**

- The roadway carries diverse types of travelers. In the peak hours however, daily commuters are the predominant type of traveler.
- Pedestrians during construction. In the case of closure, a pedestrian detour route shall be provided.
- The Contractor shall ensure that all temporary traffic control devices are maintained in accordance with the Virginia Roadway Access and Pedestrian Protection (VRAPP) requirements.
- The Contractor shall ensure that all temporary traffic control devices are maintained in accordance with the Virginia Roadway Access and Pedestrian Protection (VRAPP) requirements.
- The Contractor shall ensure that all temporary traffic control devices are maintained in accordance with the Virginia Roadway Access and Pedestrian Protection (VRAPP) requirements.
- The Contractor shall ensure that all temporary traffic control devices are maintained in accordance with the Virginia Roadway Access and Pedestrian Protection (VRAPP) requirements.

**Construction Staging Area**

- The construction staging area shall be located at the beginning of the project.
- The construction staging area shall be located at the beginning of the project.
- The construction staging area shall be located at the beginning of the project.
- The construction staging area shall be located at the beginning of the project.

**Temporary Traffic Control Devices**

- Temporary traffic control devices shall be used as specified in the MUTCD, dated 2011.
- Temporary traffic control devices shall be used as specified in the MUTCD, dated 2011.
- Temporary traffic control devices shall be used as specified in the MUTCD, dated 2011.
- Temporary traffic control devices shall be used as specified in the MUTCD, dated 2011.

**Transportation Management Plan/Sequence of Construction Type B**

- The Transportation Management Plan/Sequence of Construction Type B shall be reviewed by the regional Traffic Engineer.
- The Transportation Management Plan/Sequence of Construction Type B shall be reviewed by the regional Traffic Engineer.
- The Transportation Management Plan/Sequence of Construction Type B shall be reviewed by the regional Traffic Engineer.
- The Transportation Management Plan/Sequence of Construction Type B shall be reviewed by the regional Traffic Engineer.

**Construction Operations**

- The Contractor shall coordinate with Prince William County for location(s) of the construction staging area in accordance with the Prince William County Work Area Plan/Management (WAPM).
- The Contractor shall coordinate with Prince William County for location(s) of the construction staging area in accordance with the Prince William County Work Area Plan/Management (WAPM).
- The Contractor shall coordinate with Prince William County for location(s) of the construction staging area in accordance with the Prince William County Work Area Plan/Management (WAPM).
- The Contractor shall coordinate with Prince William County for location(s) of the construction staging area in accordance with the Prince William County Work Area Plan/Management (WAPM).
Temporary Traffic Control Plan
Detour Plan Map - Phase A

Detour Route

- SB Prince William Pkwy. to WH Minnieville Rd.
- WH Minnieville Rd. to SB Prince William Pkwy.
- WB Minnieville Rd. to EB Prince William Pkwy.
- EB Minnieville Rd. to NB Prince William Pkwy.

Temporary Pavement Widening

- Proposed Pavement Widening to 4 Lane Roadway

80% Left Turn
20% Right Turn

Underpass Construction / Roadway Closure

See Inset / TBD Sheet

LEGEND

- Underpass Construction / Roadway Closure
- Detour Route
- Temporary Signal

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.
Detour Plan Map - Phase B

Temporary Traffic Control Plan

Detour Route

See Inset - This Sheet

Minnieville Rd. Detour at Prince William Pkwy. - Detour Route Map

Additional easements for utility relocations may be required beyond the proposed right-of-way shown on these plans. These plans are unfinished and unapproved and are not to be used for any type of construction or the acquisition of right-of-way.
### Erosion and Sediment Control Notes

1. **Permanent or Temporary Soil Stabilization shall be applied to disturbed areas within the limits of the project site, including temporary excavations adjacent to existing structures.**

2. **Flow rates and velocities for natural or man-made channels shall be computed as follows:**
   - The peak flow rate of stormwater runoff for the stated frequency storm of 24-hour duration and the disturbed soil areas resulting from the construction of temporary structures shall be computed using the following formula:
     \[ Q = C_A \times R \times V \times 48 \]
   - Where:
     - \( Q \) is the peak flow rate in cubic feet per second (cfs)
     - \( C_A \) is the constant for the drainage area of the project
     - \( R \) is the runoff volume from the site in its proposed condition, in acre-feet
     - \( V \) is the peak flow rate from the site when it was in a good forested condition, in cfs
     - 48 is the number of hours in a day

3. **Uniform permanently stabilizable hard surfacing shall be applied to areas where sediment may be generated.**

4. **Immediate post-construction measures shall be implemented to control erosion and sedimentation.**

5. **Temporary erosion control measures shall be applied to construction sites where soils are exposed.**

6. **Sediment basins and waterways downstream of development shall be designed and constructed in a manner that will minimize erosion.**

7. **Where construction vehicle access is limited, steep slopes adjacent to the project site shall be stabilized.**

8. **Permeable paving shall be installed on areas designated for parking.**

9. **Drainage systems shall be designed to control surface water runoff.**

10. **Sediment control measures shall be applied to construction sites.**

11. **Vegetative seeding shall be applied to disturbed areas to stabilize the soil.**

12. **Temporary fencing shall be installed around all sediment basins and where deemed necessary.**

13. **Temporary stone construction entrances shall be provided at points of vehicle ingress and egress on a construction site.**

14. **Sediment and water control systems shall be installed to prevent the transport of sediment.**

15. **Sediment shall be removed from the roads by shoveling or sweeping and transported to the paved surface.**

16. **Where sediment is transported onto a paved or public road, it shall be immediately corrected.**

17. **All previous construction practices shall be reviewed and updated as necessary.**

18. **The project site shall be inspected daily to ensure compliance with sediment control measures.**

19. **Any plan approved prior to July 1, 2014, that provides for stormwater management practices shall be reviewed and updated as necessary.**

20. **All plans approved on or after July 1, 2014, shall comply with the state and federal regulations.**

21. **Sediment control measures shall be applied to construction sites where soils are exposed.**

22. **Sediment basins and waterways downstream of development shall be designed and constructed in a manner that will minimize erosion.**

23. **Vegetative seeding shall be applied to disturbed areas to stabilize the soil.**

24. **Temporary fencing shall be installed around all sediment basins and where deemed necessary.**

25. **Temporary stone construction entrances shall be provided at points of vehicle ingress and egress on a construction site.**

26. **Sediment and water control systems shall be installed to prevent the transport of sediment.**

27. **Sediment shall be removed from the roads by shoveling or sweeping and transported to the paved surface.**

28. **Where sediment is transported onto a paved or public road, it shall be immediately corrected.**

29. **All previous construction practices shall be reviewed and updated as necessary.**

30. **The project site shall be inspected daily to ensure compliance with sediment control measures.**

Additional easements for utility relocations may be required beyond the proposed right-of-way shown on these plans. These plans are unfinished and unapproved and are not to be used for any type of construction or the acquisition of right of way.
Erosion and Sediment Control

VESCH Narrative and Checklist

The project is for the design and construction of a grade separated intersection (GSI) at the intersection of Prince William Parkway (Route 294) and Minnieville Road (Route 640). The project is expected to begin in March 2021 and be completed by August 2022. The project is located within the limits of two watersheds: VAHU6-PL47, Neabsco Creek and VAHU6-PL49, Occoquan River/Occoquan Reservoir.

**PROCEDURES FOR EROSION AND SEDIMENT CONTROL PLANS**

**MISMATCHED DRAINS**

- Rainfall runoff shall be prevented from entering the subgrade areas.
- Storm drainage structures shall be designed to accommodate the maximum expected rainfall. The proposed pond shall be designed to accommodate the maximum expected rainfall.

**ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.**

**THSE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.**
ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT-OF-WAY.
Erosion & Sediment Control Phase I

Additional easements for utility relocations may be required beyond the proposed right-of-way shown on these plans.

These plans are unfinished and unapproved and are not to be used for any type of construction or the acquisition of right of way.
Erosion & Sediment Control Phase 1

Additional easements for utility relocations may be required beyond the proposed right-of-way shown on these plans. These plans are unfinished and unapproved and are not to be used for any type of construction or the acquisition of right-of-way.

PH Plans
Erosion & Sediment Control Phase 1

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

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THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT-OF-WAY.
Erosion & Sediment Control Phase I

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Erosion & Sediment Control Phase I

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE Used FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.
Erosion & Sediment Control Phase 1

Additional easements for utility relocations may be required beyond the proposed right-of-way shown on these plans.

These plans are unfinished and unapproved and are not to be used for any type of construction or the acquisition of right of way.

PH PLANS
Erosion & Sediment Control Phase 2

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

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THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.
**Erosion & Sediment Control Phase 2**

**Addition: Additions for Utility Relocations may be required beyond the Proposed Right-Of-Way shown on these Plans.**

**Additional Easements for Utility Relocations may be required beyond the Proposed Right-Of-Way shown on these Plans.**

**These Plans are unfinished and unapproved and are not to be used for any type of construction or the acquisition of Right of Way.**
ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

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**PH PLANS**
Erosion & Sediment Control Phase 2

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.
Erosion & Sediment Control Phase 2

Additional easements for utility relocations may be required beyond the proposed right-of-way shown on these plans.

These plans are unfinished and unapproved and are not to be used for any type of construction or the acquisition of right of way.

Plot by: mbeales
Typical Sections

**Design Features Relating to Construction or to Regulation and Control of Traffic**
May be subject to change as deemed necessary by the Department.

Surveyed by, Date
Design by
Subsurface Utility by, Date
Project Manager

VDOT Project No.
0294-076-xxx
(Roadway)
Fredericksburg, Virginia

Rinker Design Assoc., P.C.
Nicholas Kougoulis, Rinker Design Associates, P.C. (703) 368-7373; March 2021
Brad Markovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

Additional easements for utility relocations may be required beyond the proposed right-of-way shown on these plans.

These plans are unfinished and unapproved and are not to be used for any type of construction or the acquisition of right of way.

PH Plans
Typical Sections

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.
Typical Sections

Additional easements for utility relocations may be required beyond the proposed right-of-way shown on these plans.

These plans are unfinished and unapproved and are not to be used for any type of construction or the acquisition of right of way.

PH PLANS
Typical Sections
Typical Sections

**Match Existing**

Station to Station
- 32+75.00 to 34+10.74

- Mill & Overlay (Width Varies)

**Westbound**
- RTE 640 Const.
- Left Turn Lane
- Median
- Existing Thru Lanes

**Eastbound**
- RTE 640 Const.
- Left Turn Lane
- Median
- Existing Thru Lanes

**ADDITIONAL EASEMENTS FOR UTILITY RELocations MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.**

**THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.**

**PH PLANS**
Typical Sections

Additional easements for utility relocations may be required beyond the proposed right-of-way shown on these plans.

These plans are unfinshed and unapproved and are not to be used for any type of construction or the acquisition of right of way.

PH Plans
STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET

**SECTION I. GENERAL INFORMATION**

1. Activity Description - The project is for the design and construction of a green space aggregate intersection interchange (I-95) at the intersection of Prince William Parkway (Route 284) and Minnieville Road (Route 236/238). This project is included in the Prince William County 1,500 Stormwater Improvement Project to provide adequate design features relating to construction, such as a rain garden, to control stormwater runoff from the project site. This project will also provide improved street connectivity and pedestrian access within the project area. The project site is located within the Prince William County PD-052 Planning District.

2. This land disturbance (construction) activity site is located in Prince William County and approximately 230 acres were disturbed. The project site is located within the Prince William County PD-052 Planning District.

3. The project activities disturbed are greater than 0.2 acres and the project site is located within the Prince William County PD-052 Planning District. The project activities will be performed in accordance with the requirements of the VDOD General Permit for Discharges of Stormwater From Construction Activities (the VPDES Construction Permit) as issued by the DEQ. A copy of the VPDES Construction Permit (VAR10), the registration information, and the VPDES General Permit for Discharges of Stormwater from Construction Activities (VAR10) are available at the project site.

4. The location of on-site support facilities that are to be covered under the VPDES Construction Permit for this land disturbance (construction) activity shall be provided by the contractor and identified on the record set of plans or in other appropriate contract documents. The location of the on-site support facilities that will be covered under the VPDES Construction Permit for this land disturbance (construction) activity shall be provided by the contractor and identified on the record set of plans or in other appropriate contract documents. The location of the on-site support facilities that will be covered under the VPDES Construction Permit for this land disturbance (construction) activity shall be provided by the contractor and identified on the record set of plans or in other appropriate contract documents.

**ACRONYMS**

- BMP - Best Management Practice
- C-107 - Sign (C-107) Inspection Form Part 1
- CWP - Construction Water Pollution
- DEQ - Department of Environmental Quality
- ESC - Environmental Stewardship Center
- IIM - Instructional and Informational Memorandum
- LD - Line Drawing
- LP - Line Printer
- M - Master Print
- N - Number
- P - Project
- Q - Quantity
- R - Road
- RBD - Road and Bridge
- RLD - Road and Land Development
- SW - Stormwater
- VDOT - Virginia Department of Transportation
- VSMP Authority - Virginia Stormwater Management Program Authority
- VSMP - Virginia Stormwater Management Program
- VPDES - Virginia Pollutant Discharge Elimination System
- VAR - Virginia Pollutant Discharge Elimination System Permit

**PERIODIC MONITORING**

The information contained in the SWPPP General Information Sheets is intended to comply with the requirements of the VDOD General Permit for Discharges of Stormwater From Construction Activities (the VPDES Construction Permit) as issued by the DEQ. The project activities that are to be covered under the VPDES Construction Permit for this land disturbance (construction) activity shall be provided by the contractor and identified on the record set of plans or in other appropriate contract documents. The project activities that are to be covered under the VPDES Construction Permit for this land disturbance (construction) activity shall be provided by the contractor and identified on the record set of plans or in other appropriate contract documents. The project activities that are to be covered under the VPDES Construction Permit for this land disturbance (construction) activity shall be provided by the contractor and identified on the record set of plans or in other appropriate contract documents.
SECTION I
EROSION AND SEDIMENT CONTROL

1. The intended sequence and timing of activities that disturb soils at the site (e.g., grading excavation, grading, utilities and infrastructure installation, etc.) shall be identified in the construction plan set in accordance with the current edition of Section 107.6 of the VDOT ESC Specifications and shall include the table listed in the VDOT ESC documents for this land disturbance (construction) activity.

2. A description and schedule of procedures to maintain vegetation, erosion and sediment controls and other protective measures in good and effective operating conditions are identified in the current edition of Sections 107.6 and 303.4 of the VDOT ESC Specifications.

3. Locations of areas where compaction is required to minimize erosion at outlets and in downstream channels.

4. Locations where compaction practices are expected to occur are identified in the construction plan set for such other documents for this land disturbance (construction) activity.

5. Locations where compaction practices are expected to occur are identified in the construction plan set for such other documents for this land disturbance (construction) activity.

6. A description of temporary and permanent sediment control practices for the site are identified in the applicable sections of the documents identified in the note 1 of Section II.

7. A record of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when sediment controls are established and maintained with the record set shall indicate whether such activities are a land disturbance (construction) activity.

8. A description of practitioners to maintain vegetation, erosion and sediment controls and other protective measures in good and effective operating conditions are identified in the current edition of Sections 107.6 and 303.4 of the VDOT ESC Specifications.

9. A description of practitioners to maintain vegetation, erosion and sediment controls and other protective measures in good and effective operating conditions are identified in the current edition of Sections 107.6 and 303.4 of the VDOT ESC Specifications.

10. The areas identified in the construction plan set for such other documents for this land disturbance activity by the DEQ in its letter dated (date).

11. Any variance, exception or deviation approved by DEQ must be listed below and supporting documentation (exception/variance/deviation request and DEQ approval) must be maintained with the SWPPP.

12. An exception for (number) pounds of phosphorus removal has been granted for this land disturbance (construction) activity.

13. Temporary earthen structures such as dikes and berms are to be constructed in the dry wherever possible. Stabilization or vegetation shall be established and shall be constructed in accordance with all applicable permit requirements and shall be constructed in accordance with Section 106.3 of the VDOT ESC Specifications.

14. Any variance, exception or deviation approved by DEQ must be listed below and supporting documentation (exception/variance/deviation request and DEQ approval) must be maintained with the SWPPP.

15. Any variance, exception or deviation approved by DEQ must be listed below and supporting documentation (exception/variance/deviation request and DEQ approval) must be maintained with the SWPPP.

16. A description of permanent and/or temporary sediment control measures intended to filter, settle or similarly remove sediment are identified in the construction plan set for such other documents for this land disturbance (construction) activity.

17. No sediment shall be placed within the project area or in any SWMP right of way or easement areas identified, stabilized, and protected by sediment trapping measures.

18. No sediment shall be placed within the project area or in any SWMP right of way or easement areas identified, stabilized, and protected by sediment trapping measures.

19. Any variance, exception or deviation approved by DEQ must be listed below and supporting documentation (exception/variance/deviation request and DEQ approval) must be maintained with the SWPPP.

20. The areas identified in the construction plan set for such other documents for this land disturbance activity by the DEQ in its letter dated (date).
STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET

The information contained in the SWPPP General Information sheets is intended to comply with the requirements of the VDOT's General Permit for Discharges of Stormwater from Construction Activities (the VPDES Construction Permit) issued July 1, 2009 and as amended.

The SWPPP General Information sheets are to be completed and included in the construction plan set for such other documents for land disturbance/Construction activities that discharge to surface water or to wetlands or that discharge to nearby wetlands or storm sewers or discharges that have not been used and will never been used and the wash water has been filtered, settled or otherwise treated prior to discharge.

For those land disturbing (construction) activities where no VPDES Construction Permit coverage is required.

The information contained in the SWPPP General Information sheets is intended to comply with the requirements of the VDOT's General Permit For Discharges Of Stormwater From Construction Activities (the VPDES Construction Permit) issued July 1, 2009 and as amended.

The SWPPP General Information sheets are to be completed and included in the construction plan set for such other documents for land disturbance/Construction activities that discharge to surface water or to wetlands or that discharge to nearby wetlands or storm sewers or discharges that have not been used and the wash water has been filtered, settled or otherwise treated prior to discharge.

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### Table B: Alternative BMP Types

<table>
<thead>
<tr>
<th>Alternative BMP Type</th>
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</thead>
<tbody>
<tr>
<td>Vegetated Filter Strip</td>
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<tr>
<td>Retention Basin III</td>
</tr>
<tr>
<td>Retention Basin II</td>
</tr>
<tr>
<td>Manufactured Treatment Device</td>
</tr>
<tr>
<td>Infiltration Basin</td>
</tr>
<tr>
<td>Grassed Swale</td>
</tr>
<tr>
<td>Extended Detention Basin</td>
</tr>
<tr>
<td>Bio-retention Basin</td>
</tr>
<tr>
<td>Infiltration Practice</td>
</tr>
<tr>
<td>Filtering Practice (Level 1)</td>
</tr>
<tr>
<td>Filtering Practice (Level 2)</td>
</tr>
<tr>
<td>Wet Swale (Level 2)</td>
</tr>
<tr>
<td>Dry Swale (Level 2)</td>
</tr>
<tr>
<td>Bioretention (Level 2)</td>
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</tbody>
</table>

### Table C: Permanent BMP Types (BMP Clearing House)

<table>
<thead>
<tr>
<th>Name of Impaired Water (9)</th>
<th>Receiving Water</th>
<th>Type of BMP Installed</th>
<th>VA 6th Order HUC</th>
<th>VA 4th Order HUC</th>
<th>VA 3rd Order HUC</th>
<th>VA 2nd Order HUC</th>
<th>VA 1st Order HUC</th>
<th>Latitude/Longitude (1)</th>
<th>Longitude/Longitude (2)</th>
<th>Receiving Water</th>
<th>Name of Required Water (9)</th>
<th>VDOT BMP Maintenance ID Number (3)</th>
<th>BMP Maintenance ID Number (4)</th>
<th>BMP Inspection Manual (5)</th>
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</thead>
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<td>LAT (5)</td>
<td>LONG (5)</td>
<td></td>
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</tr>
</tbody>
</table>

### Additional Notes

1. Provide the section of each Maintenance manual that pertains to the type of BMP. Both manuals can be found at http://www.dot.virginia.gov/ businessmanuals in the Maintenance section.
2. Include agreements with off-site BMP owners.
3. Information pertains to the alternative BMP option location, where applicable. Exception - not required for nutrient credit purchase option.
4. Applies to the purchase of nutrient credits only.
6. (4) Exception - not required for nutrient credit purchase option.
7. (5) BMP Maintenance ID Number is to be assigned by the District Maintenance Division of permit termination of the BMP and/or the BMP owner’s business/manuals in the Maintenance selections.
8. (6) BMP Maintenance ID Number is to be assigned by the designated report set of plans for each BMP that affects the proposed construction details or accurately affects the information in the BMP Table A. This number is assigned by the District Maintenance Division of permit termination of the BMP and/or the BMP owner’s business/manuals in the Maintenance selections.
9. (7) BMP Maintenance ID Number is to be assigned by the District Maintenance Division of permit termination of the BMP and/or the BMP owner’s business/manuals in the Maintenance selections.
10. (8) Footnotes (footnotes will be included in the BMP information associated with the VA 445 form).
11. (9) BMP Maintenance ID Number is to be assigned by the District Maintenance Division of permit termination of the BMP and/or the BMP owner’s business/manuals in the Maintenance selections.
12. (10) BMP Maintenance ID Number is to be assigned by the District Maintenance Division of permit termination of the BMP and/or the BMP owner’s business/manuals in the Maintenance selections.
Retaining Wall 7-1 Plan & Profile Sheet

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PH PLANS
Retaining Wall 7-1 Plan & Profile Sheet
Ramp B and Ramp D Gore Details

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

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Prince William Pkwy (Rte. 294)
Sta. 161+00 to 165+00

**ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.**

**THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.**

**PH PLANS**
Prince William Pkwy. (Rte. 294)
Sta. 165+00 to 172+00

ADDITIONAL EASEMENTS FOR UTILITY RELocations MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

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Prince William Pkwy (Rte. 294)
Sta. 179+00 to 186+00
Ramp A

Sta. 10+00.00 to 13+25.00

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

PH PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.
Entrance Profiles

Future Commercial CG-II Entrance (Quartz Development)

Addition easements for utility relocations may be required beyond the proposed right-of-way shown on these plans.

These plans are unfinished and unapproved and are not to be used for any type of construction or the acquisition of right of way.
Prince William Pkwy (Rte. 294)
Sta. 186+00 to 193+00

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

PH PLANS

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Future Commercial CG-II Entr. (Quartz Development)

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PH Plans
ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

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Prince William Pkwy (Rte. 294)
Sta. 193+00 to 200+00

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Adjustments to plans are subject to change as deemed necessary by the Department.
ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

**Ramp C**

Sta. 21+75 to 26+23.51

**Ph Plans**
Ramp D
Sta. 10+00 to 12+25

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PH PLANS
Minnieville Rd. (Rte. 640)
S1g. 23.50 to 26.75

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

**VA.**
**STATE**
**ROUTE**
**PROJECT**
**REVISED**
**SHEET NO.**

**DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT.**

**SHEET NO.**
**SURVEYED BY, DATE**
**DESIGN BY**
**SUBSURFACE UTILITY BY, DATE**
**PROJECT MANAGER**

**CELL REVISED 12/11/12**

**RW201**
**C501**
**0294-076-xxx**
**0621-076-310**

**NOVA DISTRICT**

**Manassas, Virginia**

**Nicholas Kougoulis, Rinker Design Associates, P.C. (703) 368-7373; March 2021**

**Brad Markovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021**

**Mark Gunn, Rinker Design Assoc., P.C. (703) 368-7373**

**USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.**

**THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE ADDED.**

**ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.**

**V = 45 mph**

**HLSD > 369'**

**Match Line, Sta. 23+50 See Sheet 8 H**

**Match Line, Sta. 26+75 See Sheet 8 K**

**Sta. 23+50 to 26+75 Minnieville Rd. (Rte. 640)**
ADDITIONAL EASEMENTS FOR UTILITY RELocations MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

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**STATE ROUTE PROJECT**

**REVISED STATE SHEET NO.**

**DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT.**

**PROJECT MANAGER**

Nicholas Kougoulis, Rinker Design Associates, P.C. (703) 368-7373; March 2021

Brad Markovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

Mark Gunn, Rinker Design Assoc., P.C. (703) 368-7373

**Minnieville Rd. (Rte. 640)**

Sta. 26+75 to 33+50

**ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.**

**PH PLANS**

**THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.**
Entrance Profiles

Private CG-9D Entr. (Cemetery)

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PH PLANS
Minneststile Rd. (Rte. 640)
Sta. 33+50 to 40+50

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PH PLANS
Prince William Pkwy (Rte. 291)

Std. 200.00 to 206.00

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

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Ramp B

Sta. 12+25 to 18+25

(ROADWAY)
ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

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PRINCE WILLIAM PKWY (Rt. 291)

Sta. 206+00 to 212+50

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

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**Prince William Pkwy (Rte. 294)**

**Sta. 212+50 to 219+50**

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**PLH PLANS**
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BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

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PH PLANS
ADDITIONAL EASEMENTS FOR UTILITY RELocations MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

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Prince William Pkwy. (Rte. 291)
Sta. 219+50 to 225+00

Additional easements for utility relocations may be required beyond the proposed right-of-way shown on these plans.

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Elm Farm Road (Rte. 892)

Sta. 400+00 to 407+00

Additional easements for utility relocations may be required beyond the proposed right-of-way shown on these plans. These plans are unfinished and unapproved and are not to be used for any type of construction or the acquisition of right-of-way.
### STANDARD TRAFFIC SIGNAL LEGEND

<table>
<thead>
<tr>
<th>PLAN ITEM</th>
<th>PLAN SYMBOL</th>
<th>PLAN SYMBOL</th>
<th>PROPOSED</th>
<th>EXISTING</th>
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<td>Water Signal Panel &amp; Foundation and Mast Arm</td>
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<td>Traffic Signal Head w/ Backplate</td>
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<td>Emergency Vehicle Preemption (EV) Sensor</td>
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<td>Poles</td>
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<td>Junction Box (135 degrees)</td>
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### LABELS

- **Signal Pole or Controller**
- **Existing Signal Head**
- **Existing Pedestrian Signal Head**
- **Proposed Pedestrian Signal Head**
- **Proposed Signal Head**
- **Existing Signal Panel**
- **Existing Pedestrian Panel**
- **Proposed Pedestrian Panel**
- **Proposed Signal Panel**

**NOT PROVIDED WITH THIS SUBMISSION**

- General Items for Signs
- Cable and Conduit
- Junction Box
- Emergency Vehicle Preemption
- Emergency Vehicle Preemption Sensor
- Pedestrian Pushbutton
- Additional Easements for Utility Relocations
- Additional Easements for Utility Relocations
- Additional Easements for Utility Relocations
- Additional Easements for Utility Relocations

**PH PLANS**

**TRAFFIC SIGNAL INDEX OF SHEETS, GENERAL NOTES, AND LEGENDS**

**PRIME WRITER**

**PRIME WRITER**

**NOT PROVIDED WITH THIS SUBMISSION**

- General Items for Signs
- Cable and Conduit
- Junction Box
- Emergency Vehicle Preemption
- Emergency Vehicle Preemption Sensor
- Pedestrian Pushbutton
- Additional Easements for Utility Relocations

**ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.**

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**EXISTING SIGNAL HEADS**

- PEDESTAL POLE (PF-2) 60' Arm 183° Angle to Rte 294 Constr. BL
- EXISTING MAST ARM POLE 70' Arm 270° Angle to Rte 294 Constr. BL

**PROPOSED SIGNAL HEADS**

- PEDESTAL POLE (PF-2) 40' Arm 120° Angle to Rte 294 Constr. BL
- PEDESTAL POLE (PF-2) 40' Arm 120° Angle to Rte 294 Constr. BL

**PROPOSED PHASE DIAGRAM**

**REFERENCES (PLAN AND DETAIL SHEETS)**

- Prince William Parkway 45 MPH
- Sonora Street 30 MPH
- Golansky Boulevard 25 MPH

**TRAFFIC SIGNAL PLAN**

- Prince William Parkway
- Sonora Street
- Golansky Boulevard

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EXIST. R/W

BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.
ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED
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EXIST. R/W

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PH PLANS
Preliminary Pavement Marking Plan

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REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)
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LEGEND FOR SIGNAGE PLANS

- Remove Exist. Sign(s) and Post(s).
- Proposed Sign Panel (and/or Relocated)
- Existing Sign Panel
  - Denotes Prop. Ground Mounted Sign Single Post
  - Denotes Prop. Ground Mounted Sign Single Post Street Name
  - Denotes Prop. Ground Mounted Sign Double Post
  - Denotes Exis. Ground Mounted Sign Single Post
  - Denotes Exis. Ground Mounted Sign Single Post Street Name
  - Denotes Exis. Ground Mounted Sign Double Post

References

- Signage Plan (Aerial)
- Pavement Marking Plan
- Roadway Plan
- Match Line, Sta. 165 +00
- See Sheet 16(4)
- Signage Plan (16(3A)) for location with aerial reference.
- In advance of the "1/4 MILE" OHS on Sheet 16(4).
- OHS to be placed in the median, approx. 1/2 mile.
- Prince William Pkwy. Northbound (Rte. 294)
- Prince William Pkwy. Southbound (Rte. 294)
- Prince William Pkwy. Southbound (Rte. 294)
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**Signage Plan**

**REFERENCES**
- PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.
- Signage Plan (Aerial)
- Pavement Marking Plan
- Roadway Plan
- 16(12A) & 16(12B)

**Surveys:**
- Rinker Design Assoc., P.C., (703) 368-7373, March 2021
- Nicholas Kougoulis, Rinker Design Associates, P.C. (703) 368-7373, August 2021

**VDOT Project No.:** 0294-076-xxx

** prince williams pwkwy. northbound (rte 294)**
- prince williams pwkwy. southbound (rte 294)

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**SCALE:** 25' 50'
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REFERENCES:

PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.
AutoTURN General Notes and Legend

**AutoTURN Notes and Program Information**

AutoTURN is not intended to be a source for design information. The software should be used in conjunction with the most currently available design guidelines for the local jurisdiction.

**Program Results**

AutoTURN is primarily a kinematic model, meaning that it does not account for the forces resulting from vehicle weight or road surface conditions. Therefore, AutoTURN should not be used as the sole basis for determining the turn radius or path of a vehicle. AutoTURN is primarily a kinematic model, meaning that it does not account for the forces resulting from vehicle weight or road surface conditions. Therefore, AutoTURN should not be used as the sole basis for determining the turn radius or path of a vehicle. For the above reasons, AutoTURN results should be used conservatively, with ample allowances added for other conditions.

**Tracks and Road Edges**

The track of a vehicle is defined as the distance between the outside edges of the outermost tires on the left and right sides. The swept path of a vehicle is the area swept by the vehicle while turning. For the above reasons, AutoTURN results should be used conservatively, with ample allowances added for other conditions.

**Surface Conditions**

Surface conditions have been determined using the rolling resistance of the vehicle. AutoTURN may produce inaccurate results if actual field conditions differ.

**Right-Of-Way Conformance**

The vector design vehicle used with AutoTURN may be different from the design vehicle specified in the corresponding jurisdiction. The primary purpose of these design manuals is to provide guidance for typical design conditions. AutoTURN results are not considered vehicular analysis results. Results are generated from a stopped position or a stopped position plus a vehicle to assume to turn from a stop in a short enough distance that it can be ignored when determining the turn radius.

**Additional Easements for Utility Relocations May Be**

BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

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**PH Plans**
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AT at PW Pkwy./East Rd.

Left Turns

Right Turns
AT at PW Pkwy./Minnieville Rd.

Left Turns

Right Turns

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AT at PW Pkwy./Noblewood Plz.

Left Turns

Right Turns

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AT at PW Pkwy./Golansky Blvd.

Left Turns

Right Turns

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Brad Markovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021
AT at Minnieville Rd./Entr. 7+50 Lt.

Left Turns

Right Turns

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PH Plans

Minnieville Road Rt. 640

Exist. R/W

Exist. R/W

Prop. R/W

Prop. R/W

Prop. Perm.

Prop. Perm.
AT at Minnieville Rd./Entr. 10+32 Lt.

Left Turns

Right Turns

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AT at Minnieville Rd./Noblewood Plz.

Left Turns

Right Turns

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PH PLANS
AT at Minnieville Rd./Elm Farm Rd.

Left Turns

Right Turns

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Prince William Parkway