

# Volume I – Technical Proposal Letter of Submittal and Attachments

A DESIGN-BUILD PROJECT

## Walney Road Bridge Replacement and Road Widening

From: Westfield Boulevard (Route 6755)

To: Willard Road (Route 6215)

and

From: Dallas Street (Route 745)

To: 250 Feet North of Dallas Street

*Fairfax County, Virginia*

State Project No.: 0657-029-099,  
R201, C501, B641

Federal Project No.: STP-5A01(471)

Contract ID No.: C00104103DB62

Date: December 30, 2013





**ATTACHMENT 4.0.1.1**

**WALNEY ROAD BRIDGE REPLACEMENT AND ROAD WIDENING**

**PROJECT NO. 0657-029-099, R201, C501, B641**

**LETTER OF SUBMITTAL CHECKLIST AND CONTENTS**

Offerors shall furnish a copy of this Letter of Submittal Checklist, with the page references added, with the Letter of Submittal.

<b>Letter of Submittal Component</b>	<b>Form (if any)</b>	<b>RFP Part 1 Cross Reference</b>	<b>Page Reference</b>
<b>Letter of Submittal (LOS) Checklist and Contents</b>	Attachment 4.0.1.1	Section 4.0.1.1	Page i to iii
<b>Acknowledgement of RFP, Revisions, and/or Addenda</b>	Attachment 3.6 (Form C-78-RFP)	Sections 3.6; 4.0.1.1	Page iv
<b>Letter of Submittal</b>			
Letter of Submittal on Offeror's letterhead	NA	Sections 4.1	Page 1
Offeror's full legal name and address	NA	Section 4.1.1	Page 1
Authorized representative's original signature	NA	Section 4.1.1	Page 1
Declaration of intent	NA	Section 4.1.1	Page 1
120 day declaration	NA	Section 4.1.2	Page 1
Point of Contact information	NA	Section 4.1.3	Page 1
Principal Officer information	NA	Section 4.1.4	Page 1
Final Completion Date	NA	Section 4.1.5	Page 1
Executed Proposal Payment Agreement or Waiver of Proposal Payment	Attachment 9.3.1 Attachment 9.3.2	Section 4.1.6	Page 1
Certification Regarding Debarment Forms	Attachment 11.8.6 (a) Attachment 11.8.6 (b)	Section 4.1.7	Appendix 4.1.7
		Section 4.1.8	Appendix 4.1.8



**ATTACHMENT 4.0.1.1**

**WALNEY ROAD BRIDGE REPLACEMENT AND ROAD WIDENING**

**PROJECT NO. 0657-029-099, R201, C501, B641**

**LETTER OF SUBMITTAL CHECKLIST AND CONTENTS**

<b>Letter of Submittal Component</b>	<b>Form (if any)</b>	<b>RFP Part 1 Cross Reference</b>	<b>Page Reference</b>
Written statement that Offeror's proposed concept included in the Attachments to the LOS is fully compliant with the Design Criteria Table and all other requirements of the RFP	NA	Section 4.1.9	Page 2
Certification that the proposed limits of construction are located within the right-of-way limits shown on RFP plans	NA	Section 4.1.9	Page 2
Written statement of percent DBE participation	NA	Section 4.1.10	Page 2
<b>Attachments to the Letter of Submittal</b>			
Confirmation that the information provided in the SOQ submittal remains true and accurate or indicates that any requested changes were previously approved by VDOT	NA	Section 4.2	
Organizational chart with any updates since the SOQ submittal clearly identified	NA	Section 4.2.1	Page 3
Revised narrative when organizational chart includes updates since the SOQ submittal	NA	Section 4.2.1	Page 5
Conceptual Roadway Plans – Plan View	NA	Section 4.2.1	Page 3-4
Conceptual Roadway Plans – Typical Sections	NA	Section 4.2.2	Section 4.2.2
Conceptual Structural Plans – Elevation View	NA	Section 4.2.2	Section 4.2.2
Conceptual Roadway Plans – Transverse Section	NA	Section 4.2.3	Section 4.2.3
Conceptual Roadway Plans – Transverse Section	NA	Section 4.2.3	Section 4.2.3



**ATTACHMENT 4.0.1.1**

**WALNEY ROAD BRIDGE REPLACEMENT AND ROAD WIDENING**

**PROJECT NO. 0657-029-099, R201, C501, B641**

**LETTER OF SUBMITTAL CHECKLIST AND CONTENTS**

<b>Letter of Submittal Component</b>	<b>Form (if any)</b>	<b>RFP Part 1 Cross Reference</b>	<b>Page Reference</b>
Conceptual Roadway Plans – Abutment Configuration	NA	Section 4.2.3	Section 4.2.3
Proposal Schedule	NA	Section 4.2.4.1	Section 4.2.4.1
Proposal Schedule Narrative	NA	Section 4.2.4.2	Page 6 - 17
Proposal Schedule in electronic format (CD- or DVD-ROM)	NA	Section 4.2.4	





**ATTACHMENT 3.6**

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

RFP NO. C00104103DB62  
PROJECT NO.: 0657-029-099, R201, C501, B641

**ACKNOWLEDGEMENT OF RFP, REVISION AND/OR ADDENDA**

Acknowledgement shall be made of receipt of the Request for Proposals (RFP) and/or any and all revisions and/or addenda pertaining to the above designated project which are issued by the Department prior to the Letter of Submittal submission date shown herein. Failure to include this acknowledgement in the Letter of Submittal may result in the rejection of your proposal.

By signing this Attachment 3.6, the Offeror acknowledges receipt of the RFP and/or following revisions and/or addenda to the RFP for the above designated project which were issued under cover letter(s) of the date(s) shown hereon:

1. Cover letter of September 13, 2013 – RFP  
(Date)
2. Cover letter of November 18, 2013 – Addendum #1  
(Date)
3. Cover letter of December 18, 2013 – Addendum #2  
(Date)



<hr/>	<hr/>
SIGNATURE	12/20/13 DATE
<hr/>	<hr/>
Aaron Myers PRINTED NAME	VP/GM TITLE





301 Concourse Boulevard, Suite 300  
Glen Allen, VA 23059  
Phone: 804-290-8500 Fax: 804-418-7935  
[www.americaninfrastructure.com](http://www.americaninfrastructure.com)

December 30, 2013

Kevin Reichert, P.E.  
Virginia Department of Transportation  
1401 East Broad Street  
Richmond, VA 23219

Letter of Submittal/Request for Proposals:  
Walney Road Bridge Replacement and Road Widening  
State Project No.: 0657-029-099, R201, C501, B641  
Contract ID Number: C00104103DB62

Dear Mr. Reichert,

American Infrastructure (AI) and Whitman, Requardt & Associates, LLP (AI/WR&A Team) are pleased to present our Technical Proposal to the Virginia Department of Transportation (VDOT) for the Walney Road Bridge Replacement and Road Widening Design-Build Project (the Project).

**SUBMITTAL REQUIREMENTS**

The AI/WR&A Team submits the information below as detailed in Section 4.1 of the Request for Proposals:

- 4.1.1 The full legal name and address of American Infrastructure – VA, Inc. (AI-VA) is as follows:  
**American Infrastructure – VA, Inc.**, 301 Concourse Boulevard, Suite 300, Glen Allen, VA 23059
- 4.1.2 American Infrastructure – VA, Inc. (AI-VA) intends to enter into a contract with VDOT for the Walney Road Bridge Replacement and Road Widening Project in accordance with the terms of the RFP.
- 4.1.3 The offer in the Price Proposal will remain in full force and effect for one hundred and twenty (120) days after the Letter of Submittal and Attachments is submitted to VDOT on December 30, 2013.
- 4.1.4 The contact information for Kevin Ott (DBPM), responsible for the oversight of the entire AI/WR&A Team and the primary point of contact with VDOT is as follows:  
**Kevin Ott, Design-Build Project Manager**                      804.290.8500 (Telephone)  
301 Concourse Boulevard – Suite 300                      804.418.7935 (Fax)  
Glen Allen, VA 23059    kevin.ott@americaninfrastructure.com
- 4.1.5 The principal officer of AI-VA with whom a design-build contract with VDOT would be written is:  
**Aaron Myers, VP/GM**    804.290.8500 (Telephone)  
301 Concourse Boulevard – Suite 300                      804.418.7935 (Fax)  
Glen Allen, VA 2305    aaron.myers@americaninfrastructure.com
- 4.1.6 The AI/WR&A Team proposes the following Final Completion Date.  
**Final Completion:** December 30, 2015
- 4.1.7 AI-VA has included an executed Proposal Payment Agreement (Attachment 9.3.1) which is included as Appendix 4.1.7.
- 4.1.8 AI-VA has included executed Certification Regarding Debarment Primary Covered Transactions (Attachment 11.8.6(a)) and Certification Regarding Debarment Lower Tier Covered Transactions (Attachment 11.8.6(b)) which are included in Appendix 4.1.8.

- 4.1.9** The proposed project concept included with this Letter of Submittal is fully compliant with the Design Criteria Table included in the RFP Technical Requirements (Part 2) as Attachment 2.2 and all other requirements of this RFP. The proposed limits of construction to include all stormwater management facilities are located within the right-of-way limits shown on the RFP plans with the exception of permanent and temporary easements. The design concept presented does not require Design Exception and/or Design Waivers not identified or included in the RFP or Addendum.
- 4.1.10** AI-VA is committed to achieving the 14% DBE participation goal for the Project, and is working towards achieving the goal by adding certified DBE firms to our management team as well as selecting qualified subcontractors.

We appreciate your consideration of our Letter of Submittal and Attachments and trust your review will find our proposal is in alignment with VDOT's goals for the Walney Road Bridge Replacement and Road Widening Design-Build project.

Respectfully,



---

Aaron T. Myers, VP/GM  
American Infrastructure – VA, Inc.

## 4.2.1 Organizational Chart and Key Personnel

The organizational chart and Key Personnel contained in the SOQ remains true and accurate except for one change to the key personnel. A change was requested for the Quality Assurance Manager identified in our SOQ due to the individual leaving the employment of their respective firm. This change was approved in a letter from VDOT dated November 4, 2013. The following organizational chart has been updated from the SOQ to reflect this change. The change is identified with red underlined text.

**ORGANIZATIONAL CHART AND NARRATIVE**

**FUNCTIONAL RELATIONSHIPS AND COMMUNICATION**

**VDOT** – The Department will coordinate directly with our DBPM as the primary contact for all aspects of design and construction oversight of the Project. Open lines of communication between the QAM and VDOT will assist with monitoring quality assurance oversight. We anticipate VDOT’s oversight and support in our coordination efforts with project stakeholders. The AI/WR&A Team public relations manager will facilitate involvement of stakeholders to minimize additional effort needed by VDOT.

**Design-Build Management** – Our DBPM will serve as VDOT’s primary point of contact for the Project. Reporting to the DBPM are four key managers; the QAM, DM, CM and Public Relations Manager. This structure, combined with our DBPM’s maintenance of an action item log for potential project issues and three-month look-ahead schedule will ensure the design, construction, and environmental compliance efforts remain on schedule and in conformance with VDOT commitments.

**Quality Assurance** – The QAM will report to our DBPM, with independent oversight by VDOT. QA Inspectors and Labs will report through the QAM. Our QAM will also monitor the construction QC program to ensure all work and materials, testing, and sampling is performed in accordance with the contract requirements and the “approved for construction” plans and specifications.

**Design** – Our DM will report to the DBPM and coordinate with both the DBPM and CM during the design phase to develop a cost-effective, efficient, and constructible design. He will also coordinate directly with the CM during the construction phase to confirm field conditions meet design assumptions and reevaluate as necessary. The Design QA/QC Manager and design discipline leads will report to our DM. In addition, the LUCM will report to our DM, streamlining this coordination during the design process.

*Roadway Design Lead Bruce Barnett, P.E. has over 23 years of experience and has completed more than 80 assignments under the NOVA District On-Call Design Contract over the last four years.*

*Structural Design Lead Jeremy Schlusser, P.E. has 15 years of experience and is currently providing design services similar to those required for this project for two design-build projects in Virginia.*

*Hydraulic Design Lead Ipek Aktuglu, P.E. has over 12 years of experience and is currently providing services to the VDOT NOVA District under WR&A's On-Call Design Contract.*

**Construction** – AI’s CM will report to our DBPM and communicate directly with the PRM on construction coordination with project stakeholders. He will also communicate with the DM during both design and construction phases to ensure construction is consistent with the project design. Our CM will be on the project site for the duration of construction operations. He will oversee the entire construction team, including our QC Manager for quality control activities, General Superintendent for construction progress, and DBE coordinator to manage the project goal. AI lead’s for field utility coordination, safety, environmental compliance, MOT, and schedule have been identified and will report to our CM as the comprehensive construction manager. WR&A is currently providing QC service to VDOT on six Construction Engineering and Inspection contracts including two contracts in the VDOT NOVA District.

*AI’s CM, Paul Flatley, has 4 years of experience with roadway projects in NOVA and has completed construction ahead of schedule on projects such as the Bridge Replacement over Tye River Design-Build.*

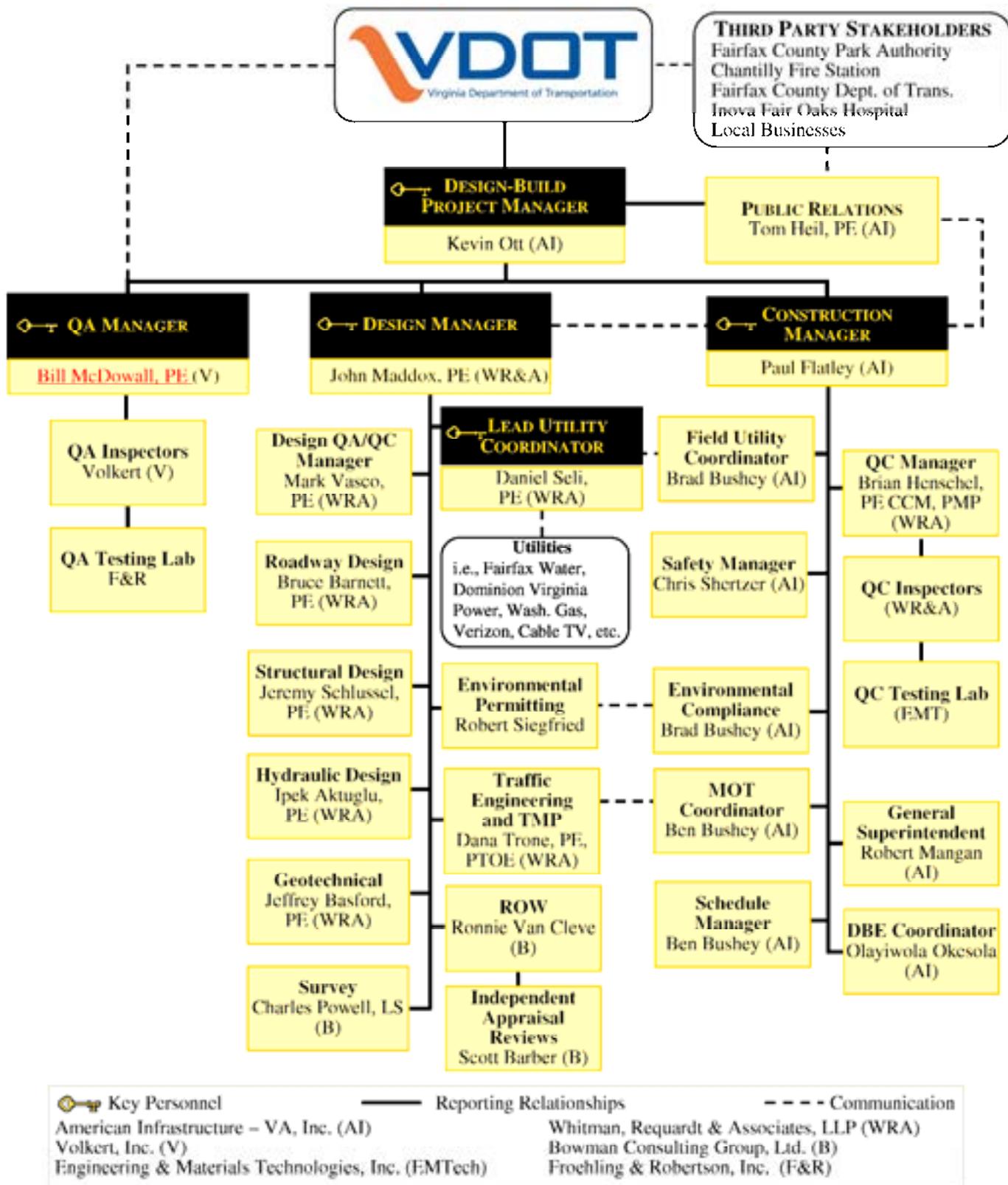


**Public Relations** – *Thomas Heil, P.E.* will serve as the PRM and will assist the DBPM in coordination with third party stakeholders. This team will keep project stakeholders informed about construction activities and their impacts. Our PRM brings over 12 years of recent experience working closely with VDOT in the NOVA District addressing stakeholder issues and concerns on transportation projects. One example of this experience includes the intersection improvements at the Braddock/Union Mill Road and Lucasville Road Widening and Drainage Improvements Project.

**Utility Coordination** – Our LUCM will report to the DM and coordinate early and continuously with the utility companies to establish easements and follow relocations through to completion. He will lead the Utility Coordination Task Team to verify conflicts and develop a coordination plan. This coordination plan will be presented to the DM, DBPM, and VDOT for approval prior to finalizing with the utility companies.

**ORGANIZATIONAL CHART**

The revised organizational chart reflects a change to one key personnel – Quality Assurance Manager.





## PROPOSAL SCHEDULE DEVELOPMENT

The AI Team has thoroughly evaluated the Project RFP documents, performed site visits of the existing roadway, attended pre-proposal meetings, and performed internal brainstorming sessions to fully assess the associated design, right-of-way impacts, utility relocations, construction, and environmental challenges. While performing these activities, we paid special attention to the VDOT stated schedule milestones included in Section 2.3, specifically final completion of the Project on December 11<sup>th</sup>, 2015. This narrative explains how the AI Team plans to maximize the benefits of the Design-Build delivery method to mitigate risks of future uncertainties, manage the environmental requirements, minimize impacts to the travelling public, and deliver of the Project within VDOT's anticipated schedule. The proposal schedule in its entirety can be found in Section 4.2.4.1 of Volume II – Technical Proposal, Design Concept Graphics and Proposal Schedule.

## WORK BREAKDOWN STRUCTURE

The baseline plan integrates all design disciplines into a Work Breakdown Structure (WBS) that addresses the milestones of the Walney Road Bridge Replacement and Road Widening Project. This WBS, found in Exhibit 4.2.4.2A, reflects the AI Team's approach to dividing the Project into manageable groups such as: Work Packages, Area, Sub-Areas, Phasing, and Responsibility. The following Work Element and Area breakdowns have been defined:

### MOT APPROACH & PHASING

Five independent construction areas will allow for better control and management of the Project. Construction of the Project can advance more efficiently by addressing the phasing within each area separately. Additionally, within these five areas, multiple crews will be utilized within each discipline to expedite the work progress. The project has been divided into the five major sections described below. As is typical with the Design-Build delivery method, some of the preconstruction elements will overlap with the construction elements to shorten the overall duration of the Project.

***Entire Project:*** This section of the schedule captures Contract Milestones and Intermediate Milestones and general management activities for the Project. This section is key to the schedule because it provides snapshot indicators of the current status of the Project.

***Preconstruction – Design:*** This section of the schedule captures activities associated with Design, and Enabling Work. These tasks must take place for construction to proceed. The Design activities have been grouped into Work Packages which mirror the expected Design Packages that will be submitted for VDOT's approval. Although the goal of the "over-the-shoulder" review process is to minimize review cycles, for most design packages, AI included two review cycles in the schedule. Thorough coordination with reviewing parties may allow the second cycle to be eliminated or review time to be reduced, which would shorten the duration of the design phase. Also included in the Design Phase is the coordination with Private Utility and Infrastructure companies such as Dominion Power, Washington Gas, Cox Cable, Verizon, and Level 3.

***Preconstruction – Submittals:*** This section of the schedule captures activities associated with Contract Submittals and Construction Working Drawings. Special attention was given to which submittals would need to be approved by VDOT or WR&A as the review times are different for each.

***Preconstruction – Procurement:*** To maximize the efficiency of the Design-Build delivery method, AI will be performing procurement activities in packages that correlate to the design packages. As each plan set is released for construction, AI will procure all vendors (materials and subcontractors) needed to complete that work. This section of the schedule also captures activities associated fabrication and delivery

times for materials that historically have long lead times. AI will work closely with its vendors to manage and minimize these lead times.

**Construction:** This section of the schedule captures the activities required to physically build the Project. The construction section of the Project was broken down into five Areas, and the Areas then broken down into the MOT Phasing. Within the Construction section, there is also an “Entire Project” heading which captures construction activities that we envision as applying project-wide such as the relocation of utilities, clearing and installation of erosion controls.

### AREAS

AI has utilized the Schedule Work Breakdown Structure (WBS) to divide the Project into five work areas, described below. The entire WBS can be found in Exhibit 4.2.4.2A.

**Area A:** This area includes all work south of B641. This area is broken down into two phases. **Phase 1** includes starting work outside of the existing roadway and constructing the proposed roadway to the fullest extent possible prior to the shutdown of Walney Road. **Phase 2** includes the remainder of the work that will need to take place within the area to construct the proposed roadway during the temporary closure of Walney Road and reopen it to traffic.

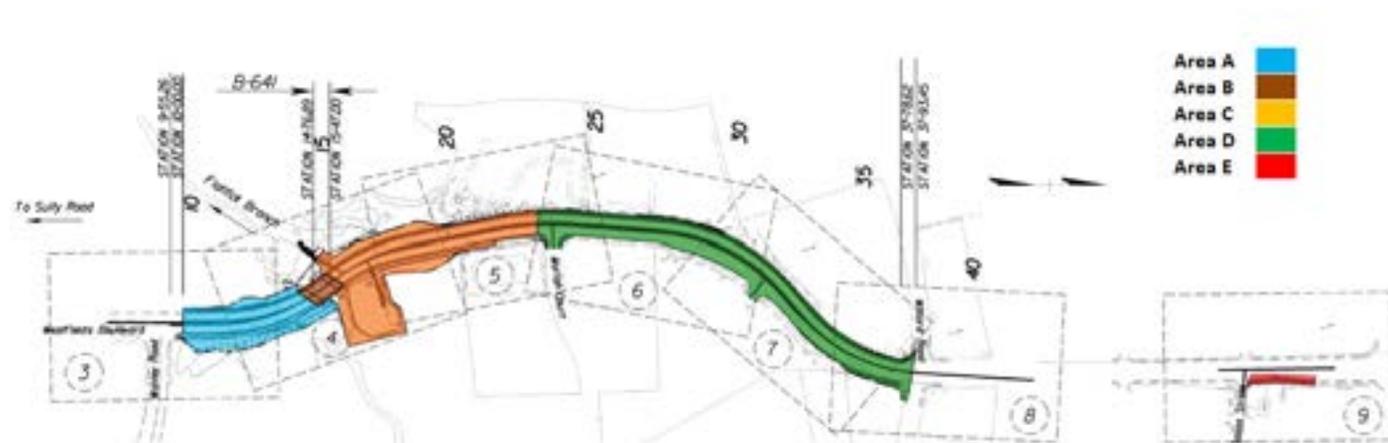
**Area B:** This area includes all work associated with Bridge B641 including demolition, substructure and superstructure operations. The schedule breaks this work down between substructure and superstructure. All of the work associated with B641 is planned to be completed during the allowable closure of Walney Road.

**Area C:** This area includes all work between B641 and Mariah Court. Similarly to Area A, this area is also broken down into two phases. **Phase 1** again focuses on constructing as much of the proposed roadway as possible within the area while traffic is maintained on the existing road. **Phase 2** coincides with the start of the temporary closure of Walney Road, and includes constructing the remainder of the proposed roadway so that it can be reopened to traffic.

**Area D:** This area includes all work between Mariah Court and Willard Road. Area D is also broken down into two phases, however these phases are not dependent upon the temporary Walney Road C closure. **Phase 1** shifts traffic toward the existing north bound side of the roadway while the proposed south bound lanes are constructed. **Phase 2** shifts traffic to the newly constructed south bound lanes while the proposed north bound lanes are completed.

**Area E:** This area includes the work located adjacent to Dallas St. This work is able to be completed in a single phase.

Figure 4.2.4.2.1 Work Areas of the Project



## CALENDARS

Based on past experiences with construction scheduling, the AI Team has utilized two calendars for the purposes of the Proposal Schedule. All calendars take State Holidays and AI Employee Holidays into account. Upon award of the contract, these calendars would be further tailored to the specific restrictions of each traffic area per the contract documents and any operation-specific considerations.

### STANDARD 5-DAY CALENDAR WITH HOLIDAYS

This calendar is a base calendar showing work taking place five days per week every week except where restricted by standard State Holidays and AI Employee Holidays. AI's durations during the construction phases are based on five days of production per week. If weather impacts the schedule Monday through Friday, Saturdays would be utilized to recover the lost weather days.

### 7-DAY REVIEW/CURE

This calendar allows work to take place every day of the year. However, it has only been applied to activities such as submittal reviews and concrete curing periods where the durations are primarily based on calendar days instead of working days.

## PROPOSAL SCHEDULE SOURCE DOCUMENTS

Included in the Letter of Submittal submission is a CD containing a PDF of the Schedule, Schedule Narrative, including all Exhibits and a backup file (.XER) of the Schedule. The schedule was created using Primavera v6.2.1. Also provided are the layout files correlating to the Exhibits which can be imported into Primavera for review purposes. The scheduling settings used in Primavera along with a list of Acronym Definitions used in the schedule are provided in Exhibit 4.2.4.2B.

## PROPOSAL SCHEDULE DEVELOPMENT AND APPROACH

The success of a project is measured by a number of different factors. One very important factor is the efficiency and speed in which the work can be done – our Project Schedule. We schedule our work by taking into account certain possibilities in hopes that they do not become eventualities. Our schedule narrative that follows is a discussion of the design and construction process, the key elements to maintaining our schedule and a breakdown of the schedule components. In preparing for and developing this detailed proposal, a significant amount of work has already been performed. The level of detail that we have analyzed to develop the design is not only necessary to position ourselves to win but also to jump start our schedule once NTP is provided.

The requirements of the Article 6 of the General Conditions of Contract (Part 4) were taken into account when developing the WBS list of activities. Upon award, a cost and resource loaded schedule will be provided by the AI Team within the timeframe required in the RFP and will be maintained by our Schedule Manager.

The AI Team evaluated various contributing factors for each area of the Project. Focused attention was applied in the areas of public impact, environmental protection, and schedule acceleration. By breaking the Project into Areas, as previously described, the schedule of each area could be assessed in terms of traffic management, environmental concerns, and operation flow. Many Areas of the Project have sub-areas and sub-phasing that are a direct result of these assessments. The ultimate goal is to have consistent work flow without delays through the Project.

### DESIGN OVERVIEW

Although the official kickoff to our schedule is NTP, our team understands the importance of hitting the ground running. Therefore, we intend to utilize the time between Notice of Intent to Award and NTP to advance those elements of work that can be advanced and to establish all of our controls in executing the

work according to our schedule. To control schedule during design phase, the AI Team plans to expedite the design of the Project into sub packages: 1) Right-of-Way; 2) Utility Field Inspection Plans; 3) Erosion and Sediment Control Phase 1 Plans; 4) Grading and Drainage Plans; 5) Transportation Management Plan and MOT Plans; 6) Bridge TS&L Plan; 7) Complete Bridge Design Plans.

The design will be developed in a systematic and logical manner. Design-Build projects succeed by designing in a layering approach. Typically, the first layer after supplemental surveys and utility designations/locations will be an approved E&S plan to allow clearing and grubbing operations to begin. Perimeter controls will be designed to function throughout all phases of construction where feasible. In order to realistically accommodate this approach, the SWM design will need to be substantially addressed. In several areas of the Project, E&S operations cannot proceed without appropriate MOT Controls. MOT design will require sufficient detail to establish proper controls. The second layer will be Grading and Drainage (G&D) design. This will be our detailed design up to finished grade including pavement design.

Simultaneously, we will develop our in-plan utility relocations design. These designs will continually integrate updated information from other disciplines/designs but will be developed as a separate package to facilitate review and construction once approved. The AI Team plans to proactively coordinate with the local municipalities during the Design process to prevent delay or impacts.

Also building upon the G&D design will be the Lighting, Signing and Marking (LSM) plan. Although construction of these elements cannot be completed until the final pavement section design is established, having them completed and approved removes any concerns or potential schedule conflicts associated with these elements. In addition, these elements tend to have longer lead times for submittals and fabrication. Early approval of this package will allow other preconstruction tasks to commence such that construction can take place as soon as the final pavement section design is approved.

A parallel and integrated, yet independent set of documents is the bridge design (B641). The bridge will be developed in two packages: TS&L and final design. By developing the plans from the ground up rather than from the top down, construction can begin prior to the final approval of the superstructure plan. Conventional design would develop the plans in reverse thereby forcing construction to wait for final approval of all elements before beginning.

### **COST & SCHEDULE SAVING DESIGN**

The AI Team has completed our analysis and has determined the most economical designs in schedule, construction cost, and long-term maintenance cost. The bridge over Flatlick Branch has been designed with shelf abutments that will be supported by H-pile. This is different than the RFP plans which shows a full depth abutment on sheet pile. This change in design will reduce cost as well as save a significant amount of time constructing the bridge during the constrained shutdown period of Walney Road.

**Right-of-Way:** Given the uncertain nature of right-of-way negotiations, especially relocations, we have allotted time in our schedule to absorb some of this risk. Right-of-Way activities do not currently show on the critical path, however it is on the near critical path. Receiving ROW clearances is a predecessor to the start of site wide construction activities (clearing and erosion control activities), which ties into the start of construction in Area D. Area D construction is independent of the Walney Rd. closure, but the base and intermediate paving of Area D has the same completion date as the reopening of Walney Rd. Should there be a delay in the ROW process, ROW will become the critical path.

**Environmental Compliance:** As design progresses and the final impacts to environmental resources are realized, coordination with external agencies for review, approval and permitting will be finalized. The revised bridge abutment design actually reduces the amount of impact construction will have on Flatlick Branch, but not requiring water tight sheet pile to be driven as coffer dam to construct the abutments.

**Hazardous Materials Services:** The potential exists for encountering hazardous materials during demolition of the existing structure. The structure will be inspected for asbestos as required by the RFP. There may also be lead-based paint on the existing steel girders for which abatement is accounted for in the schedule.

**Utilities:** Private utilities along the Project are a major risk to the Project Schedule. Although the relocation of utilities are not currently shown on the critical path, it is only because of the constraint of not closing Walney Road prior to May 1<sup>st</sup>. The start of excavation for the road widening in Area D is dependent upon the relocation of utilities, most notably Verizon. Should there be a delay in the relocation of utilities, the relocation activities will become part of the project's critical path. This is especially true since the private utilities owners are under no obligation to expedite their schedule. Fortunately, we have excellent relationships with the utility companies affected by this Project and anticipate a cooperative approach.

### **CONSTRUCTION**

The Construction Team will work closely with the Design Team to monitor progress of Right-of-Way Acquisitions and Design Approvals. Regular Coordination meetings will allow the Construction Team to proactively monitor which areas of the Project will become available first.

In general, our team intends to focus on preconstruction activities necessary to access and begin the construction of Area D, and the road widening in Areas A and C that are outside of the existing roadway. The acquisition of ROW and utility relocations are the major factors in determining when these activities can begin.

Another focus for the Construction Team will be preparing an extensive plan to maximize the construction that takes place during the 120 day closure of Walney Road. The Construction Team will ensure a solid plan is in place to not only complete the structure during this time frame, but also plans to complete the proposed roadway with the exception of surface asphalt during this time frame.

### **CRITICAL ACTIVITIES AND POTENTIAL CONSTRAINTS**

A schedule layout showing only near critical activities is provided in Exhibit 4.2.4.2C. Near critical activities were defined as having less than twenty days float. As expected and discussed previously, we expect the greatest schedule risk and constraint to be in the areas of Utility Relocation (Verizon in particular), and Right-of Way.

The Utility Relocations and ROW activities are heavily contingent on outside parties to which the AI Team has no contractual ties. This is why these two processes have been identified as having the greatest risk.

### **SCHEDULE MANAGEMENT**

The Project Schedule will be utilized not only for management of the project sequencing and duration, but also as a key tool in team development and coordination. The visual representation of the Project will provide a method for key stakeholders to initiate "make certain" checklists to identify key tasks to be done by accountable parties. Similarly, the schedule will provide a long-term look ahead to plan for design workshops, over-the-shoulder reviews, and design-build coordination meetings. These meetings will contribute to timely constructability reviews and intermediate feedback from VDOT through over-the-shoulder review meetings. The AI Team will also hold formal partnering meetings on a quarterly basis for issue resolution, follow-up, and look-ahead reviews of upcoming work and potential "rocks-in-the-road", allowing the team ample time to develop a mitigation plan, if needed. Further, AI's Construction Team will be able to streamline the development of operation based work packages from the Project Schedule. These work packages will include short-term scheduling, QA/QC coordination and any methods of addressing all remaining constraints. As our standard schedule management process, the Project Schedule will be the

driving force behind all long-term and short-term planning to provide the opportunity to recognize and mitigate risks as early as possible in the project.

EXHIBIT 4.2.4.2A  
WORK BREAKDOWN STRUCTURE

WBS Code	WBS Name	Start	Finish	Total Activities
C00104103DB62	Walney Road Bridge Replacement and Road Widening DB	18-Feb-14	14-Dec-15	265
C00104103DB62. Entire Project	Entire Project	18-Feb-14	14-Dec-15	194
C00104103DB62. Entire Project.1	Milestones	18-Feb-14	14-Dec-15	61
C00104103DB62. Entire Project.2	Preconstruction Activities	18-Feb-14	30-Jul-14	51
C00104103DB62. Entire Project.3	Project Support	18-Feb-14	11-Dec-15	51
C00104103DB62. Entire Project.4	Project Closeout	09-Sep-15	13-Dec-15	38
C00104103DB62.2	Preconstruction - Design	18-Feb-14	26-Dec-14	75
C00104103DB62.2.1	Design	18-Feb-14	26-Dec-14	58
C00104103DB62.2.1.1	General Conditions	18-Feb-14	18-Feb-14	1
C00104103DB62.2.1.2	Survey	18-Feb-14	29-Apr-14	7
C00104103DB62.2.1.3	Right of Way Acquisition	18-Feb-14	26-Dec-14	144
C00104103DB62.2.1.4	Permitting	02-Apr-14	10-Oct-14	21
C00104103DB62.2.1.5	Geotechnical Engineering	04-Mar-14	17-Jun-14	61
C00104103DB62.2.1.6	E&S and Clearing	30-Apr-14	07-Aug-14	51
C00104103DB62.2.1.8	Maintenance of Traffic	30-Apr-14	07-Aug-14	51
C00104103DB62.2.1.9	B641 - Bridge over Flatlick Branch	30-Apr-14	20-Nov-14	81
C00104103DB62.2.1.10	Grading & Drainage	18-Jun-14	25-Sep-14	51
C00104103DB62.2.1.11	Signing, Lighting, Marking & Signalization	14-Aug-14	20-Nov-14	51
C00104103DB62.2.2	Project Support	21-Apr-14	25-Sep-14	17
C00104103DB62.2.2.1	Private Utility Relocation & Coordination	21-Apr-14	25-Sep-14	17
C00104103DB62.3	Preconstruction - Submittals	18-Feb-14	23-Mar-15	31
C00104103DB62.3.1	Preconstruction Activities	18-Feb-14	23-Mar-15	20
C00104103DB62.3.1.1	General Conditions	18-Feb-14	05-Jun-14	18
C00104103DB62.3.1.2	B641 - Bridge over Flatlick Branch	22-Dec-14	23-Mar-15	61
C00104103DB62.3.1.3	Signing, Lighting, Marking & Signalization	22-Dec-14	09-Feb-15	41
C00104103DB62.3.2	Project Support	20-May-14	08-Jul-14	38
C00104103DB62.3.2.1	Demolition	20-May-14	08-Jul-14	38
C00104103DB62.4	Preconstruction - Procurement	08-Aug-14	21-Jul-15	11
C00104103DB62.4.1	Preconstruction Activities	08-Aug-14	21-Jul-15	11
C00104103DB62.4.1.1	E&S / Clearing	08-Aug-14	05-Sep-14	1
C00104103DB62.4.1.2	Maintenance of Traffic	08-Aug-14	05-Sep-14	1
C00104103DB62.4.1.3	B641 - Bridge over Flatlick Branch	24-Nov-14	21-Jul-15	51
C00104103DB62.4.1.4	Grading & Drainage	26-Sep-14	22-Nov-14	21
C00104103DB62.4.1.5	Signing, Lighting, Marking & Signalization	24-Nov-14	15-Jun-15	21
C00104103DB62.5	Construction	31-Jul-14	22-Oct-15	129
C00104103DB62.5.1	Entire Project	31-Jul-14	22-Oct-15	37
C00104103DB62.5.1.5	Relocation of Utilities	31-Jul-14	24-Feb-15	51
C00104103DB62.5.1.2	E&S/Clearing	16-Jan-15	30-Jan-15	38
C00104103DB62.5.1.1	Maintenance of Traffic	16-Jan-15	28-Aug-15	51
C00104103DB62.5.1.4	Gen. Roadway Construction	25-Aug-15	22-Oct-15	51
C00104103DB62.5.1.3	Quality Assurance/Quality Control	17-Dec-14	31-Aug-15	19
C00104103DB62.5.2	Section A - Station 100+00 to B-641	31-Mar-15	28-Aug-15	13
C00104103DB62.5.2.1	Phase 1	31-Mar-15	20-Apr-15	38
C00104103DB62.5.2.2	Phase 2	27-May-15	28-Aug-15	10
C00104103DB62.5.3	Section B - Bridge B-641 over Flatlick Branch	01-May-15	28-Aug-15	38
C00104103DB62.5.3.1	Substructure	01-May-15	01-Jul-15	17
C00104103DB62.5.3.2	Superstructure	02-Jul-15	28-Aug-15	21
C00104103DB62.5.4	Section C - B-641 to Manah Court	21-Jan-15	02-Sep-15	13
C00104103DB62.5.4.1	Phase 1	21-Jan-15	30-Mar-15	38
C00104103DB62.5.4.2	Phase 2	01-May-15	02-Sep-15	10
C00104103DB62.5.5	Section D - Manah Court to Willard Road	21-Jan-15	28-Aug-15	19
C00104103DB62.5.5.1	Phase 1 - Proposed SB Lanes	21-Jan-15	20-May-15	10
C00104103DB62.5.5.2	Phase 2 - Proposed NB Lanes	21-May-15	28-Aug-15	9
C00104103DB62.5.6	Section E - Widening at Dallas Street	07-Aug-15	24-Aug-15	9

**EXHIBIT 4.2.4.2B**  
**SCHEDULE SETTINGS & ACRONYMS**

Scheduling/Leveling Settings:

General

Scheduling .....	Yes
Leveling .....	No
Ignore relationships to and from other projects .....	No
Make open-ended activities critical .....	No
Use Expected Finish Dates .....	Yes
Schedule automatically when a change affects dates .....	No
Level resources during scheduling .....	No
Recalculate assignment costs after scheduling .....	No
When scheduling progressed activities use .....	Retained Logic
Calculate start-to-start lag from .....	Early Start
Define critical activities as Total Float less than or equal to..	0
Compute Total Float As .....	Finish Float
Calculate float based on finish date of .....	Each project
Calendar for scheduling Relationship Lag .....	Predecessor Activity Calendar

Advanced

Calculate multiple float paths.....	No
-------------------------------------	----

Acronyms:

SFA	Submit for Approval
R/A	Review and Approve
A/C	Additions and Corrections
E&S	Erosion and Sediment Control
WR&A	Designer
MOT	Maintenance of Traffic
F/R/P	Form/Reinforce/Pour

**EXHIBIT 4.2.4.2C**  
**NEAR CRITICAL ACTIVITIES**

Activity ID	Activity Name	Original Duration	Total Float	Start	Finish	Calendar
<b>Walney Road Bridge Replacement and Road Widening DB</b>		463	0	18-Feb-14	11-Dec-15	
<b>Entire Project</b>		463	0	18-Feb-14	11-Dec-15	
<b>Milestones</b>		463	0	18-Feb-14	11-Dec-15	
G00001	Notice To Proceed	0	3	18-Feb-14*		7 Day Review/Cure
G00040	Project Substantial Completion	0	0		12-Oct-15	7 Day Review/Cure
G00050	Project Final Completion	0	0		11-Dec-15	7 Day Review/Cure
<b>Project Support</b>		463	0	18-Feb-14	11-Dec-15	
G02010	General Conditions: Survey through Substantial Completion	602	0	18-Feb-14	12-Oct-15	7 Day Review/Cure
G02020	General Conditions: Project Management through Final Completion	463	0	18-Feb-14	11-Dec-15	*Standard 5 Day Workweek
G02030	General Conditions: QA/QC through Final Completion	463	0	18-Feb-14	11-Dec-15	*Standard 5 Day Workweek
G02050	Mobilization	10	20	02-Jan-15	15-Jan-15	*Standard 5 Day Workweek
<b>Project Closeout</b>		67	0	10-Sep-15	11-Dec-15	
G05010	Punchlist/Cleanup for Substantial Completion	23	0	10-Sep-15	12-Oct-15	Standard 5 Day Workweek
G05020	Final Punchlist/Demobilization	60	0	12-Oct-15	11-Dec-15	7 Day Review/Cure
G05030	Closeout Documentation	60	0	12-Oct-15	11-Dec-15	7 Day Review/Cure
<b>Preconstruction - Design</b>		180	10	18-Feb-14	30-Oct-14	
<b>Design</b>		180	10	18-Feb-14	30-Oct-14	
<b>General Conditions</b>		0	3	18-Feb-14	18-Feb-14	
G03010	Design Start	0	3	18-Feb-14		7 Day Review/Cure
<b>Survey</b>		51	10	18-Feb-14	29-Apr-14	
G03020	Send Survey Notification Letters	10	10	18-Feb-14	03-Mar-14	*Standard 5 Day Workweek
G03030	Recover Survey Control	3	10	04-Mar-14	06-Mar-14	*Standard 5 Day Workweek
G03040	Supplemental Field Survey	3	10	07-Mar-14	11-Mar-14	*Standard 5 Day Workweek
G03050	Supplemental Utility Designation/Location	2	10	12-Mar-14	13-Mar-14	*Standard 5 Day Workweek
G03060	Topo Verification (SWM Basin, Roadway Tie-ins)	3	10	14-Mar-14	18-Mar-14	*Standard 5 Day Workweek
G03070	Computer Work and DTM Prparation	10	10	19-Mar-14	01-Apr-14	*Standard 5 Day Workweek
G03080	Verify/Review RFP Design	20	10	02-Apr-14	29-Apr-14	*Standard 5 Day Workweek
<b>Right of Way Acquisition</b>		65	3	18-Feb-14	19-May-14	
G03090	Property/ROW Research	5	3	18-Feb-14	24-Feb-14	*Standard 5 Day Workweek
G03100	Prepare ROW Acquisition Plan	60	3	25-Feb-14	19-May-14	*Standard 5 Day Workweek
<b>B641 - Bridge over Flatlick Brach</b>		129	10	30-Apr-14	30-Oct-14	
G03420	Prepare B641 TS&L and Demo/Erection Plans	30	10	30-Apr-14	11-Jun-14	*Standard 5 Day Workweek
G03430	SFA B641 TS&L and Demo/Erection Plans	5	10	12-Jun-14	18-Jun-14	*Standard 5 Day Workweek
G03440	R/A B641 TS&L and Demo/Erection Plans	21	14	18-Jun-14	09-Jul-14	7 Day Review/Cure
G03450	Prepare B641 Bridge Plans	45	10	10-Jul-14	11-Sep-14	*Standard 5 Day Workweek
G03460	SFA B641 Bridge Plans	5	10	12-Sep-14	18-Sep-14	*Standard 5 Day Workweek
G03470	R/A B641 Bridge Plans	21	14	18-Sep-14	09-Oct-14	7 Day Review/Cure
G03480	A/C B641 Bridge Plans	15	10	10-Oct-14	30-Oct-14	*Standard 5 Day Workweek
<b>Project Support</b>		90	3	20-May-14	25-Sep-14	
<b>Private Utility Relocation &amp; Coordination</b>		90	3	20-May-14	25-Sep-14	
G03670	Verizon Design Utility Relocation Plan	70	3	20-May-14	27-Aug-14	*Standard 5 Day Workweek
G03680	SFA Verizon Relocation Plan	5	3	28-Aug-14	04-Sep-14	*Standard 5 Day Workweek
G03690	R/A Verizon Relocation Plan	21	5	04-Sep-14	25-Sep-14	7 Day Review/Cure
<b>Preconstruction - Submittals</b>		50	10	02-Dec-14	17-Feb-15	
<b>Preconstruction Activities</b>		50	10	02-Dec-14	17-Feb-15	
<b>B641 - Bridge over Flatlick Branch</b>		50	10	02-Dec-14	17-Feb-15	
G03970	SFA Precast Box Beam Shop Dwg B641 (WR&A)	20	10	02-Dec-14	06-Jan-15	*Standard 5 Day Workweek
G04000	R/A Precast Box Beam Shop Dwg B641 (WR&A)	14	14	06-Jan-15	20-Jan-15	7 Day Review/Cure
G04020	A/C Precast Box Beam Shop Dwg B641 (WR&A)	10	10	21-Jan-15	03-Feb-15	*Standard 5 Day Workweek
G04030	R/A Precast Box Beam Shop Dwg B641 (WR&A)	14	14	03-Feb-15	17-Feb-15	7 Day Review/Cure
<b>Preconstruction - Procurement</b>		156	10	31-Oct-14	17-Jun-15	
<b>Preconstruction Activities</b>		156	10	31-Oct-14	17-Jun-15	
<b>B641 - Bridge over Flatlick Branch</b>		156	10	31-Oct-14	17-Jun-15	
G04320	Procure Bridge B641 Material Vendors	20	10	31-Oct-14	01-Dec-14	*Standard 5 Day Workweek
G04350	Fab/Del Precast Box Beams B641	120	14	17-Feb-15	17-Jun-15	7 Day Review/Cure
<b>Construction</b>		244	20	26-Sep-14	14-Sep-15	
<b>Entire Project</b>		244	20	26-Sep-14	14-Sep-15	
<b>Relocation of Utilities</b>		100	3	26-Sep-14	24-Feb-15	

TASK filter: Near Critical Less than 20day Float.

Activity ID	Activity Name	Original Duration	Total Float	Start	Finish	Calendar
GC013	Relocate Verizon	100	3	26-Sep-14	24-Feb-15	*Standard 5 Day Workweek
<b>E&amp;S/Clearing</b>		<b>11</b>	<b>20</b>	<b>16-Jan-15</b>	<b>30-Jan-15</b>	
GC010	Clear Entire Site	5	20	16-Jan-15	22-Jan-15	*Standard 5 Day Workweek
GC010	Install Ph. 1 E&S Controls	4	20	23-Jan-15	28-Jan-15	*Standard 5 Day Workweek
GC010	Excavate & Grade SWM Basin	2	20	29-Jan-15	30-Jan-15	*Standard 5 Day Workweek
<b>Maintenance of Traffic</b>		<b>2</b>	<b>4</b>	<b>29-Apr-15</b>	<b>01-May-15</b>	
GC012	Install MOT for Detour	2	4	29-Apr-15*	30-Apr-15	*Standard 5 Day Workweek
GC012	Close Walney Road - Sta 100+50 to Sta 114+50	0	0	01-May-15*		*Standard 5 Day Workweek
<b>Gen. Roadway Construction</b>		<b>8</b>	<b>20</b>	<b>03-Sep-15</b>	<b>14-Sep-15</b>	
GC012	Install Surface Asphalt	5	0	03-Sep-15	09-Sep-15	*Standard 5 Day Workweek
GC012	Install Final Pavement Markings	3	20	10-Sep-15	14-Sep-15	*Standard 5 Day Workweek
<b>Quality Assurance/Quality Control</b>		<b>175</b>	<b>20</b>	<b>17-Dec-14</b>	<b>26-Aug-15</b>	
GC010	Preparatory Meeting - Erosion & Sedimentation Control	1	20	17-Dec-14	17-Dec-14	*Standard 5 Day Workweek
GC010	Preparatory Meeting - Clear & Grub	1	20	17-Dec-14	17-Dec-14	*Standard 5 Day Workweek
GC010	Preparatory Meeting - Stabilization & Embankment	1	20	14-Jan-15	14-Jan-15	*Standard 5 Day Workweek
GC010	Preparatory Meeting - Storm Drainage	1	3	12-Mar-15	12-Mar-15	*Standard 5 Day Workweek
GC010	Preparatory Meeting - Demolition of Existing Structures	1	0	16-Apr-15	16-Apr-15	*Standard 5 Day Workweek
GC011	Preparatory Meeting - Piles	1	0	24-Apr-15	24-Apr-15	*Standard 5 Day Workweek
GC011	Preparatory Meeting - Bridge Substructure	1	0	29-Apr-15	29-Apr-15	*Standard 5 Day Workweek
GC011	Preparatory Meeting - Structure Backfill	1	4	09-Jun-15	09-Jun-15	*Standard 5 Day Workweek
GC011	Preparatory Meeting - Box Beam Placement	1	0	17-Jun-15	17-Jun-15	*Standard 5 Day Workweek
GC011	Preparatory Meeting - Bridge Deck	1	0	23-Jun-15	23-Jun-15	*Standard 5 Day Workweek
GC011	Preparatory Meeting - Subgrade & Aggregate Base	1	3	31-Mar-15	31-Mar-15	*Standard 5 Day Workweek
GC011	Preparatory Meeting - Concrete Curb and Sidewalk	1	3	20-Apr-15	20-Apr-15	*Standard 5 Day Workweek
GC011	Preparatory Meeting - Asphalt Pavement	1	3	14-May-15	14-May-15	*Standard 5 Day Workweek
GC011	Preparatory Meeting - Guardrail	1	3	13-Aug-15	13-Aug-15	*Standard 5 Day Workweek
GC012	Preparatory Meeting - Topsoil & Seeding	1	3	30-Apr-15	30-Apr-15	*Standard 5 Day Workweek
GC012	Preparatory Meeting - Pavement Markings	1	20	26-Aug-15	26-Aug-15	*Standard 5 Day Workweek
<b>Section A - Station 100+00 to B-641</b>		<b>13</b>	<b>3</b>	<b>12-Aug-15</b>	<b>28-Aug-15</b>	
<b>Phase 2</b>		<b>13</b>	<b>3</b>	<b>12-Aug-15</b>	<b>28-Aug-15</b>	
SA20080	Install Base & Intermediate Asphalt	4	0	12-Aug-15	17-Aug-15	*Standard 5 Day Workweek
SA20100	Install Shared Use Path	3	0	25-Aug-15	27-Aug-15	*Standard 5 Day Workweek
SA20110	Install Guard Rail	1	3	28-Aug-15	28-Aug-15	*Standard 5 Day Workweek
<b>Section B - Bridge B-641 over Flatlick Branch</b>		<b>86</b>	<b>3</b>	<b>01-May-15</b>	<b>28-Aug-15</b>	
<b>Substructure</b>		<b>44</b>	<b>0</b>	<b>01-May-15</b>	<b>01-Jul-15</b>	
SB1000	Lead Abatement - Existing Structure	2	0	01-May-15	04-May-15	*Standard 5 Day Workweek
SB1010	Demo Existing Superstructure	2	0	05-May-15	06-May-15	*Standard 5 Day Workweek
SB1020	Demo Existing Substructure	2	0	07-May-15	08-May-15	*Standard 5 Day Workweek
SB1030	Drive Piles - Abutment A	3	0	11-May-15	13-May-15	*Standard 5 Day Workweek
SB1040	Drive Piles - Abutment B	3	7	14-May-15	18-May-15	*Standard 5 Day Workweek
SB1050	F/R/P Pile Cap - Abutment A	10	0	14-May-15	27-May-15	*Standard 5 Day Workweek
SB1060	F/R/P Pile Cap - Abutment B	10	0	28-May-15	10-Jun-15	*Standard 5 Day Workweek
SB1065	Cure Pile Cap - Abutment B	7	12	10-Jun-15	17-Jun-15	7 Day Review/Cure
SB1070	F/R/P Wing Walls - Abutment A	4	0	11-Jun-15	16-Jun-15	*Standard 5 Day Workweek
SB1075	Cure Wing Walls - Abutment A	7	6	16-Jun-15	23-Jun-15	7 Day Review/Cure
SB1080	F/R/P Wing Walls - Abutment B	4	0	17-Jun-15	22-Jun-15	*Standard 5 Day Workweek
SB1085	Cure Wing Walls - Abutment B	7	0	22-Jun-15	29-Jun-15	7 Day Review/Cure
SB1090	Rap Rap Slope Protection - Abutment A	2	9	17-Jun-15	18-Jun-15	*Standard 5 Day Workweek
SB1100	Rip Rap Slope Protection - Abutment B	2	5	23-Jun-15	24-Jun-15	*Standard 5 Day Workweek
SB1110	Select Backfill - Abutment A	2	4	24-Jun-15	25-Jun-15	*Standard 5 Day Workweek
SB1120	Select Backfill - Abutment B	2	0	30-Jun-15	01-Jul-15	*Standard 5 Day Workweek
<b>Superstructure</b>		<b>42</b>	<b>3</b>	<b>02-Jul-15</b>	<b>28-Aug-15</b>	
SB1200	Set and Tension Precast Box Beams	4	0	02-Jul-15	07-Jul-15	*Standard 5 Day Workweek
SB1210	Form Deck	5	0	08-Jul-15	14-Jul-15	*Standard 5 Day Workweek
SB1220	Rebar Deck	2	0	15-Jul-15	16-Jul-15	*Standard 5 Day Workweek
SB1230	Setup Bidwell and Rail	2	0	17-Jul-15	20-Jul-15	*Standard 5 Day Workweek
SB1240	Dry Run	1	0	21-Jul-15	21-Jul-15	*Standard 5 Day Workweek
SB1250	Prepare and Pour Deck	2	0	22-Jul-15	23-Jul-15	*Standard 5 Day Workweek
SB1260	Wet Cure Bridge Deck	7	0	23-Jul-15	30-Jul-15	7 Day Review/Cure

TASK filter: Near Critical Less than 20day Float.

Activity ID	Activity Name	Original Duration	Total Float	Start	Finish	Calendar
SB1265	F/R/P Approach Slabs	6	2	24-Jul-15	31-Jul-15	*Standard 5 Day Workweek
SB1267	Cure Approach Slabs	7	4	31-Jul-15	07-Aug-15	7 Day Review/Cure
SB1270	F/R/P Sidewalk	3	0	31-Jul-15	04-Aug-15	*Standard 5 Day Workweek
SB1275	Cure Sidewalk	7	12	04-Aug-15	11-Aug-15	7 Day Review/Cure
SB1280	F/R/P Shared Use Path	3	0	31-Jul-15	04-Aug-15	*Standard 5 Day Workweek
SB1290	Cure Shared Use Path	3	16	04-Aug-15	07-Aug-15	7 Day Review/Cure
SB1300	F/R/P Bridge Parapets	5	0	05-Aug-15	11-Aug-15	*Standard 5 Day Workweek
SB1310	Cure Bridge Parapets	7	5	11-Aug-15	18-Aug-15	7 Day Review/Cure
SB1320	Install Bridge Railing	1	3	19-Aug-15	19-Aug-15	*Standard 5 Day Workweek
SB1330	Groove Bridge Deck	1	8	12-Aug-15	12-Aug-15	*Standard 5 Day Workweek
SB1340	Safety and Acceptance Inspection	1	3	20-Aug-15	20-Aug-15	*Standard 5 Day Workweek
SB1350	Structure Load Rating Submittal	1	8	20-Aug-15	20-Aug-15	*Standard 5 Day Workweek
SB1355	Complete Bridge Inspection Punchlist	5	3	21-Aug-15	27-Aug-15	*Standard 5 Day Workweek
SB1360	Open Bridge to Traffic	1	5	27-Aug-15	28-Aug-15	7 Day Review/Cure
<b>Section C - B-641 to Mariah Court</b>		<b>89</b>	<b>0</b>	<b>01-May-15</b>	<b>02-Sep-15</b>	
<b>Phase 2</b>		<b>89</b>	<b>0</b>	<b>01-May-15</b>	<b>02-Sep-15</b>	
SC20010	Demo Existing Roadway	3	16	01-May-15	05-May-15	*Standard 5 Day Workweek
SC20020	Offsite Borrow to Fill	15	16	06-May-15	26-May-15	*Standard 5 Day Workweek
SC20030	Install Storm Drainage	12	16	27-May-15	11-Jun-15	*Standard 5 Day Workweek
SC20080	Install Base & Intermediate Asphalt	5	0	18-Aug-15	24-Aug-15	*Standard 5 Day Workweek
SC20100	Install Shared Use Path	3	0	28-Aug-15	01-Sep-15	*Standard 5 Day Workweek
SC20110	Install Guard Rail	1	0	02-Sep-15	02-Sep-15	*Standard 5 Day Workweek
<b>Section D - Mariah Court to Willard Road</b>		<b>133</b>	<b>3</b>	<b>25-Feb-15</b>	<b>28-Aug-15</b>	
<b>Phase 1 - Proposed SB Lanes</b>		<b>72</b>	<b>3</b>	<b>25-Feb-15</b>	<b>04-Jun-15</b>	
SD10020	Excavate for Road Widening	18	3	25-Feb-15	20-Mar-15	*Standard 5 Day Workweek
SD10040	Demo Existing Pavement	4	3	23-Mar-15	26-Mar-15	*Standard 5 Day Workweek
SD10050	Install Drainage	13	3	27-Mar-15	14-Apr-15	*Standard 5 Day Workweek
SD10060	Fine Grade Subgrade	6	3	15-Apr-15	22-Apr-15	*Standard 5 Day Workweek
SD10070	Install Stone & Grade for Curb	8	3	23-Apr-15	04-May-15	*Standard 5 Day Workweek
SD10080	Install Sidewalk and Curb	8	3	05-May-15	14-May-15	*Standard 5 Day Workweek
SD10090	Backfill Curb & Grade Green Areas	10	3	15-May-15	28-May-15	*Standard 5 Day Workweek
SD10100	Install Base & Intermediate Asphalt	4	3	29-May-15	03-Jun-15	*Standard 5 Day Workweek
SD10110	Install Temporary Pavement Markings for Phase 2	1	3	04-Jun-15	04-Jun-15	*Standard 5 Day Workweek
<b>Phase 2 - Proposed NB Lanes</b>		<b>61</b>	<b>3</b>	<b>05-Jun-15</b>	<b>28-Aug-15</b>	
SD20010	Switch Traffic to Newly Constructed SB Lanes	1	3	05-Jun-15	05-Jun-15	*Standard 5 Day Workweek
SD20020	Demo Existing Pavement	5	3	08-Jun-15	12-Jun-15	*Standard 5 Day Workweek
SD20030	Excavate for Road Widening	12	3	15-Jun-15	30-Jun-15	*Standard 5 Day Workweek
SD20040	Install Drainage	6	3	01-Jul-15	08-Jul-15	*Standard 5 Day Workweek
SD20050	Fine Grade Subgrade	6	3	09-Jul-15	16-Jul-15	*Standard 5 Day Workweek
SD20060	Install Stone & Grade for Curb	8	3	17-Jul-15	28-Jul-15	*Standard 5 Day Workweek
SD20070	Install Sidewalk and Curb	9	3	29-Jul-15	10-Aug-15	*Standard 5 Day Workweek
SD20080	Backfill Curb & Grade Green Areas	10	3	11-Aug-15	24-Aug-15	*Standard 5 Day Workweek
SD20090	Install Base & Intermediate Asphalt	4	3	25-Aug-15	28-Aug-15	*Standard 5 Day Workweek
<b>Section E - Widening at Dallas Street</b>		<b>12</b>	<b>5</b>	<b>11-Aug-15</b>	<b>26-Aug-15</b>	
SE10010	Setup MOT	1	5	11-Aug-15	11-Aug-15	*Standard 5 Day Workweek
SE10020	Demo Existing Pavement & Curb and Gutter	1	5	12-Aug-15	12-Aug-15	*Standard 5 Day Workweek
SE10030	Excavate for Road Widening	2	5	13-Aug-15	14-Aug-15	*Standard 5 Day Workweek
SE10040	Fine Grade Subgrade	1	5	17-Aug-15	17-Aug-15	*Standard 5 Day Workweek
SE10050	Install Stone & Grade for Curb	1	5	18-Aug-15	18-Aug-15	*Standard 5 Day Workweek
SE10060	Install Curb	1	5	19-Aug-15	19-Aug-15	*Standard 5 Day Workweek
SE10070	Backfill Curb	2	5	20-Aug-15	21-Aug-15	*Standard 5 Day Workweek
SE10080	Install Base & Intermediate Asphalt	1	5	24-Aug-15	24-Aug-15	*Standard 5 Day Workweek
SE10090	Install Asphalt Sidewalk	2	5	25-Aug-15	26-Aug-15	*Standard 5 Day Workweek

TASK filter: Near Critical Less than 20day Float.



**ATTACHMENT 9.3.1**  
**PROPOSAL PAYMENT AGREEMENT**

**THIS PROPOSAL PAYMENT AGREEMENT** (this “Agreement”) is made and entered into as of this 10 day of December, 2013, by and between the Virginia Department of Transportation (“VDOT”), and American Infrastructure-VA, Inc. (“Offeror”).

**WITNESSETH:**

**WHEREAS**, Offeror is one of the entities who submitted Statements of Qualifications (“SOQs”) pursuant to VDOT’s **April 30, 2013** Request for Qualifications (“RFQ”) and was invited to submit proposals in response to a Request for Proposals (“RFP”) for the **Walney Road Bridge Replacement and Road Widening, Project No. 0657-029-099, R201, C501, B641** (“Project”), under a design-build contract with VDOT (“Design-Build Contract”); and

**WHEREAS**, as part of the procurement process for the Project, Offeror has already provided and/or furnished to VDOT, and may continue to provide and/or furnish to VDOT, certain intellectual property, materials, information and ideas, including, but not limited to, such matters that are: (a) conveyed verbally and in writing during proprietary meetings or interviews; and (b) contained in, related to or associated with Offeror’s proposal, including, but not limited to, written correspondence, designs, drawings, plans, exhibits, photographs, reports, printed material, tapes, electronic disks, or other graphic and visual aids (collectively “Offeror’s Intellectual Property”); and

**WHEREAS**, VDOT is willing to provide a payment to Offeror, subject to the express conditions stated in this Agreement, to obtain certain rights in Offeror’s Intellectual Property, provided that Offeror submits a proposal that VDOT determines to be responsive to the RFP (“Offeror’s Proposal”), and either (a) Offeror is not awarded the Design-Build Contract; or (b) VDOT cancels the procurement or decides not to award the Design-Build Contract to any Offeror; and

**WHEREAS**, Offeror wishes to receive the payment offered by VDOT, in exchange for granting VDOT the rights set forth in this Agreement.

**NOW, THEREFORE**, in consideration of the mutual covenants and agreements set forth in this Agreement and other good and valuable consideration, the receipt and adequacy of which are acknowledged by the parties, the parties agree as follows:

**1. VDOT's Rights in Offeror's Intellectual Property.** Offeror hereby conveys to VDOT all rights, title and interest, free and clear of all liens, claims and encumbrances, in Offeror's Intellectual Property, which includes, without restriction or limitation, the right of VDOT, and anyone contracting with VDOT, to incorporate any ideas or information from Offeror's Intellectual Property into: (a) the Design-Build Contract and the Project; (b) any other contract awarded in reference to the Project; or (c) any subsequent procurement by VDOT. In receiving all rights, title and interest in Offeror's Intellectual Property, VDOT is deemed to own all intellectual property rights, copyrights, patents, trade secrets, trademarks, and service marks in Offeror's Intellectual Property, and Offeror agrees that it shall, at the request of VDOT, execute all papers and perform all other acts that may be necessary to ensure that VDOT's rights, title and interest in Offeror's Intellectual Property are protected. The rights conferred herein to VDOT include, without limitation, VDOT's ability to use Offeror's Intellectual Property without the obligation to notify or seek permission from Offeror.

**2. Exclusions from Offeror's Intellectual Property.** Notwithstanding Section 1 above, it is understood and agreed that Offeror's Intellectual Property is not intended to include, and Offeror does not convey any rights to, the Escrow Proposal Documents submitted by Offeror in accordance with the RFP.

**3. Proposal Payment.** VDOT agrees to pay Offeror the lump sum amount of **Ten Thousand and 00/100 Dollars (\$10,000.00)** ("Proposal Payment"), which payment constitutes payment in full to Offeror for the conveyance of Offeror's Intellectual Property to VDOT in accordance with this Agreement. Payment of the Proposal Payment is conditioned upon: (a) Offeror's Proposal being, in the sole discretion of VDOT, responsive to the RFP; (b) Offeror complying with all other terms and conditions of this Agreement; and (c) either (i) Offeror is not awarded the Design-Build Contract, or (ii) VDOT cancels the procurement or decides not to award the Design-Build Contract to any Offeror.

**4. Payment Due Date.** Subject to the conditions set forth in this Agreement, VDOT will make payment of the Proposal Payment to the Offeror within forty-five (45) days after the later of: (a) notice from VDOT that it has awarded the Design-Build Contract to another Offeror; or (b) notice from VDOT that the procurement for the Project has been cancelled and that there will be no Contract Award.

**5. Effective Date of this Agreement.** The rights and obligations of VDOT and Offeror under this Agreement, including VDOT's ownership rights in Offeror's Intellectual Property, vests upon the date that Offeror's Proposal is submitted to VDOT. Notwithstanding the above, if Offeror's Proposal is determined by VDOT, in its sole discretion, to be nonresponsive to the RFP, then Offeror is deemed to have waived its right to obtain the Proposal Payment, and VDOT shall have no obligations under this Agreement.

**6. Indemnity.** Subject to the limitation contained below, Offeror shall, at its own expense, indemnify, protect and hold harmless VDOT and its agents, directors, officers, employees, representatives and contractors from all claims, costs, expenses, liabilities, demands, or suits at law or equity (“Claims”) of, by or in favor of or awarded to any third party arising in whole or in part from: (a) the negligence or wilful misconduct of Offeror or any of its agents, officers, employees, representatives or subcontractors; or (b) breach of any of Offeror’s obligations under this Agreement, including its representation and warranty under Section 8 hereof. This indemnity shall not apply with respect to any Claims caused by or resulting from the sole negligence or wilful misconduct of VDOT, or its agents, directors, officers, employees, representatives or contractors.

**7. Assignment.** Offeror shall not assign this Agreement, without VDOT's prior written consent, which consent may be given or withheld in VDOT’s sole discretion. Any assignment of this Agreement without such consent shall be null and void.

**8. Authority to Enter into this Agreement.** By executing this Agreement, Offeror specifically represents and warrants that it has the authority to convey to VDOT all rights, title, and interest in Offeror’s Intellectual Property, including, but not limited to, those any rights that might have been vested in team members, subcontractors, consultants or anyone else who may have contributed to the development of Offeror’s Intellectual Property, free and clear of all liens, claims and encumbrances.

**9. Miscellaneous.**

a. Offeror and VDOT agree that Offeror, its team members, and their respective employees are not agents of VDOT as a result of this Agreement.

b. Any capitalized term used herein but not otherwise defined shall have the meanings set forth in the RFP.

c. This Agreement, together with the RFP, embodies the entire agreement of the parties with respect to the subject matter hereof. There are no promises, terms, conditions, or obligations other than those contained herein or in the RFP, and this Agreement shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties hereto.

d. It is understood and agreed by the parties hereto that if any part, term, or provision of this Agreement is by the courts held to be illegal or in conflict with any law of the Commonwealth of Virginia, validity of the remaining portions or provisions shall not be affected, and the rights and obligations of the parties shall be construed and enforced as if the Agreement did not contain the particular part, term, or provisions to be invalid.

e. This Agreement shall be governed by and construed in accordance with the laws of the Commonwealth of Virginia.

**IN WITNESS WHEREOF**, this Agreement has been executed and delivered as of the day and year first above written.

VIRGINIA DEPARTMENT OF TRANSPORTATION

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

AMERICAN INFRASTRUCTURE-VA, INC.

By:  \_\_\_\_\_

Name: Aaron T. Myers

Title: VP/GM



**ATTACHMENT 11.8.6(a)**  
**CERTIFICATION REGARDING DEBARMENT**  
**PRIMARY COVERED TRANSACTIONS**

**Project No.: 0657-029-099, R201, C501, B641**

1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:

a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency.

b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; and have not been convicted of any violations of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false statements, or receiving stolen property;

c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph 1) b) of this certification; and

d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

  
Signature \_\_\_\_\_ Date 12/10/13 Title VP/GM

American Infrastructure-VA, Inc.  
Name of Firm

**ATTACHMENT 11.8.6(b)**  
**CERTIFICATION REGARDING DEBARMENT**  
**LOWER TIER COVERED TRANSACTIONS**

**Project No.: 0657-029-099, R201, C501, B641**

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
  
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

	<u>10/17/13</u>	<u>Senior Vice President</u>
Signature	Date	Title

Whitman, Requardt & Associates, LLP  
Name of Firm

**ATTACHMENT 11.8.6(b)**  
**CERTIFICATION REGARDING DEBARMENT**  
**LOWER TIER COVERED TRANSACTIONS**

**Project No.: 0657-029-099, R201, C501, B641**

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
  
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

 Signature	10-7-13 Date	Senior Vice President Title
--	-----------------	--------------------------------

Volkert, Inc.  
Name of Firm

---



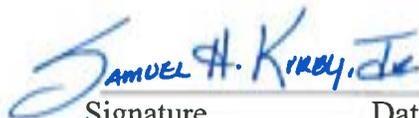


**ATTACHMENT 11.8.6(b)**  
**CERTIFICATION REGARDING DEBARMENT**  
**LOWER TIER COVERED TRANSACTIONS**

**Project No.: 0657-029-099, R201, C501, B641**

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
  
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

	10/7/2013	President
Signature	Date	Title

Froehling & Robertson, Inc.  
Name of Firm



**American Infrastructure**  
301 Concourse Blvd.  
Suite 300  
Glen Allen, VA 23059  
804-290-8500



**Whitman, Requardt & Associates, LLP**  
3701 Pender Drive  
Suite 450  
Fairfax, VA 22030  
703-293-9717





## Volume II – Technical Proposal, Design Concept Graphics and Proposal Schedule

A DESIGN-BUILD PROJECT

### Walney Road Bridge Replacement and Road Widening

From: Westfield Boulevard (Route 6755)

To: Willard Road (Route 6215)

and

From: Dallas Street (Route 745)

To: 250 Feet North of Dallas Street

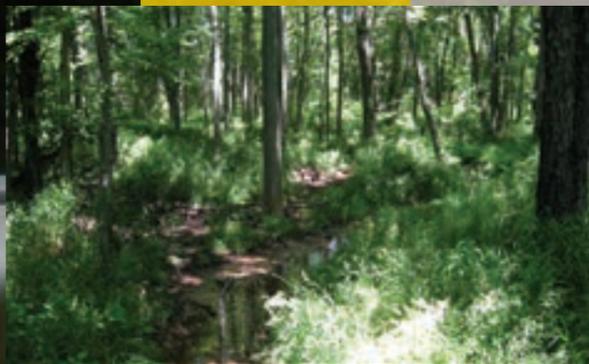
*Fairfax County, Virginia*

State Project No.: 0657-029-099,  
R201, C501, B641

Federal Project No.: STP-5A01(471)

Contract ID No.: C00104103DB62

Date: December 30, 2013

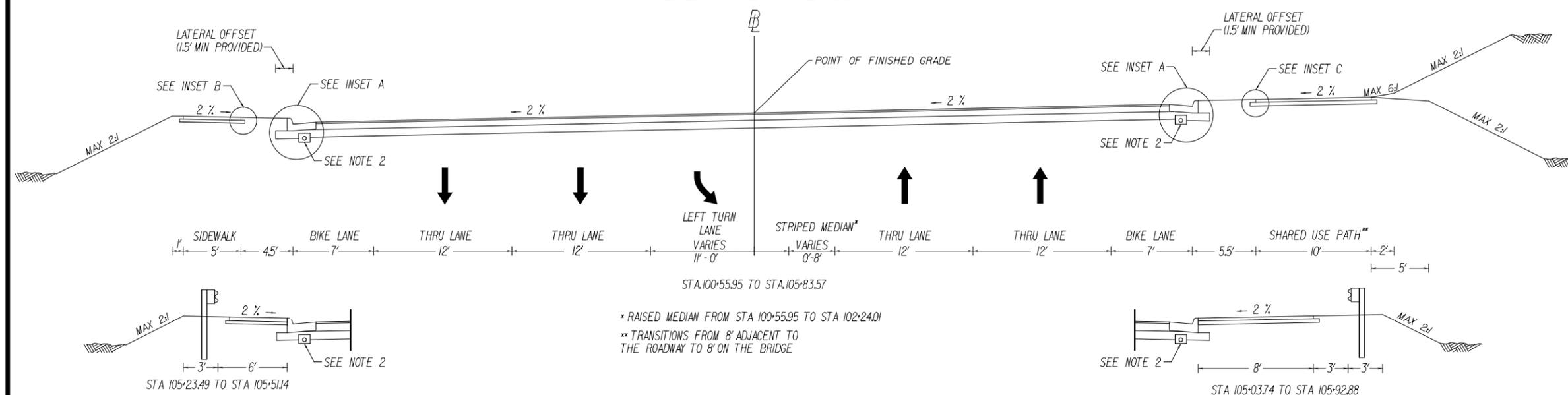




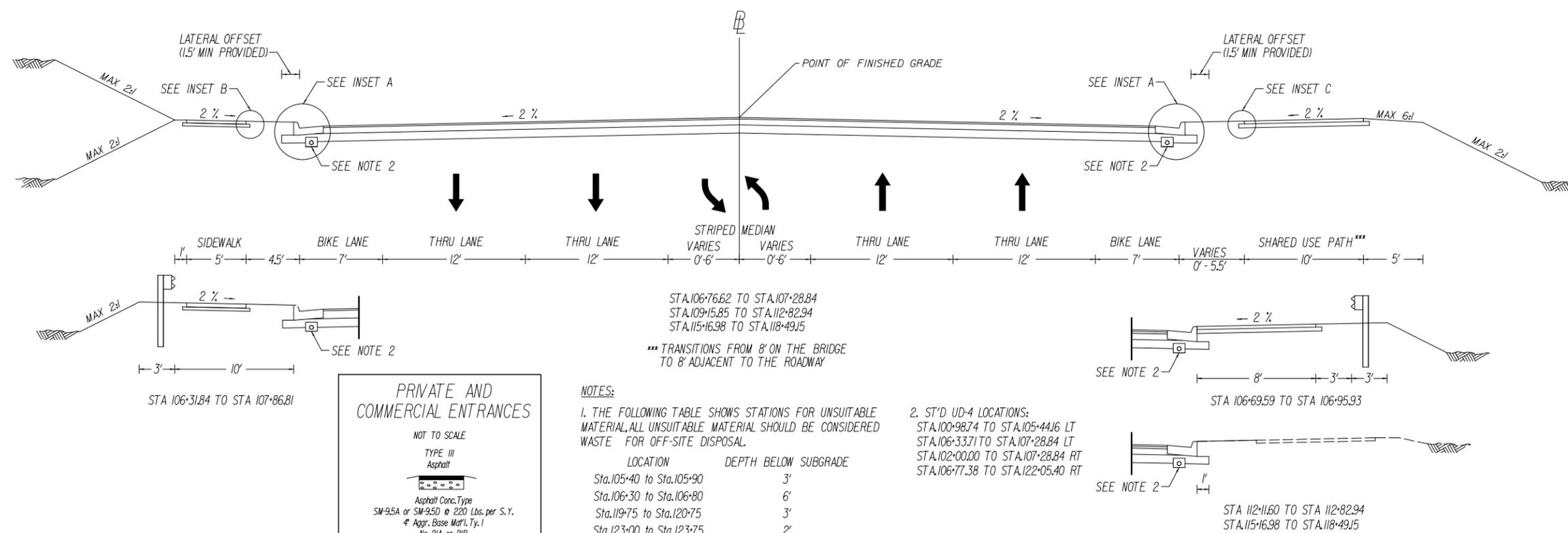
# TYPICAL SECTIONS

N.T.S.

## WALNEY ROAD (RTE 657)



## WALNEY ROAD (RTE 657)



**PRIVATE AND COMMERCIAL ENTRANCES**

NOT TO SCALE

TYPE III  
Asphalt

Asphalt Conc. Type  
SM-95A or SM-95D @ 220 Lbs. per S.Y.  
4" Aggr. Base Mat'l. Ty. I  
No. 21A or 21B

The type of entrance (1) to be constructed will be determined by the existing condition at the time of construction.

**NOTES:**

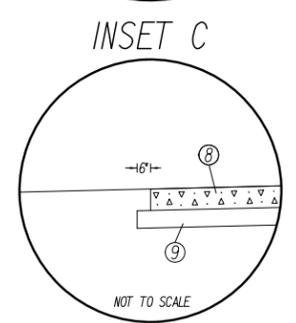
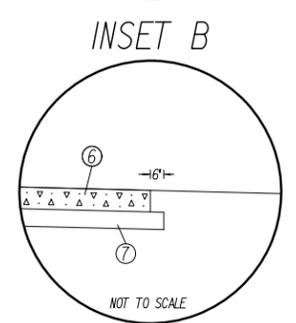
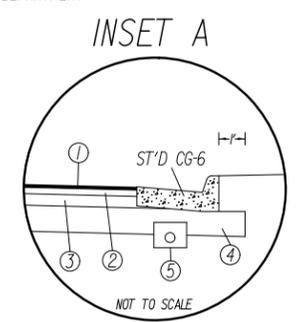
1. THE FOLLOWING TABLE SHOWS STATIONS FOR UNSUITABLE MATERIAL. ALL UNSUITABLE MATERIAL SHOULD BE CONSIDERED WASTE FOR OFF-SITE DISPOSAL.

LOCATION	DEPTH BELOW SUBGRADE
Sta.105+40 to Sta.105+90	3'
Sta.106+30 to Sta.106+80	6'
Sta.119+75 to Sta.120+75	3'
Sta.123+00 to Sta.123+75	2'
Sta.123+75 to Sta.124+75	3'
Sta.127+75 to Sta.129+12	2.5'
Sta.201+00 to Sta.203+40	2.5'

2. ST'D UD-4 LOCATIONS:  
 STA.100+98.74 TO STA.105+44.16 LT  
 STA.106+33.71 TO STA.107+28.84 LT  
 STA.102+00.00 TO STA.107+28.84 RT  
 STA.106+77.38 TO STA.122+05.40 RT

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	657		0657-029-099, PE-101 RW-201, C-501, B-641	2A(1)

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



- ① SURFACE - 1.5" ASPHALT CONCRETE, TYPE SM-9.5D @ 182 LBS/SQ YD
- ② INTERMEDIATE - 2" ASPHALT CONCRETE TYPE IM-19.0A @ 242 LBS/SQ YD
- ③ BASE - 7" ASPHALT CONCRETE, TYPE BM-25.0A
- ④ SUBBASE - 8" AGGREGATE BASE MATERIAL, TYPE 1, SIZE NO.21B
- ⑤ ST'D UD-4
- ⑥ SURFACE - 4" HYDRUALIC CEMENT CONCRETE, CLASS A3
- ⑦ BASE - 4" AGGREGATE BASE MATERIAL TYPE 1, SIZE NO.21A OR NO.21B
- ⑧ SURFACE - 2" ASPHALT CONCRETE, TYPE SM-9.5A @ 242 LBS/SQ YD
- ⑨ BASE - 6" PLAIN AGGREGATE, TYPE 1, SIZE NO.21B

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

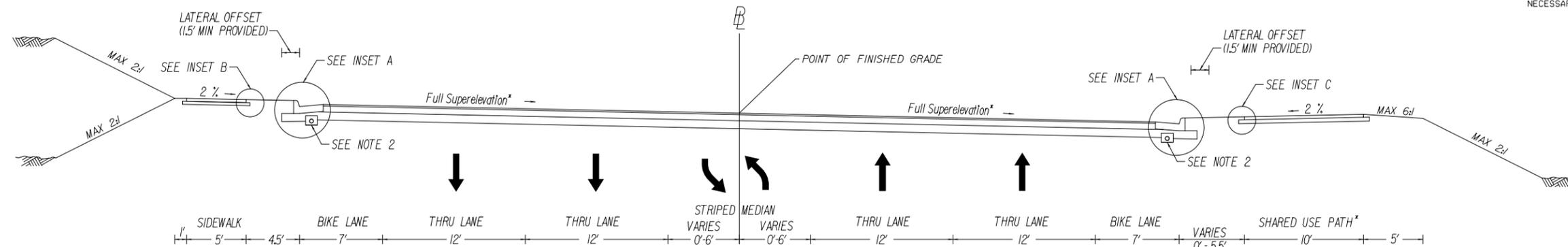
PROJECT	SHEET NO.
0657-029-099	2A(1)

# TYPICAL SECTIONS

N.T.S.

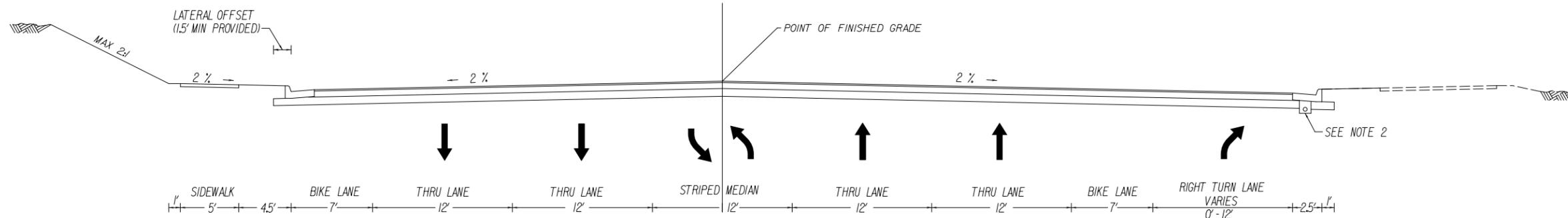
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	657		0657-029-099, PE-101 RW-201, C-501, B-641	2A(2)

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



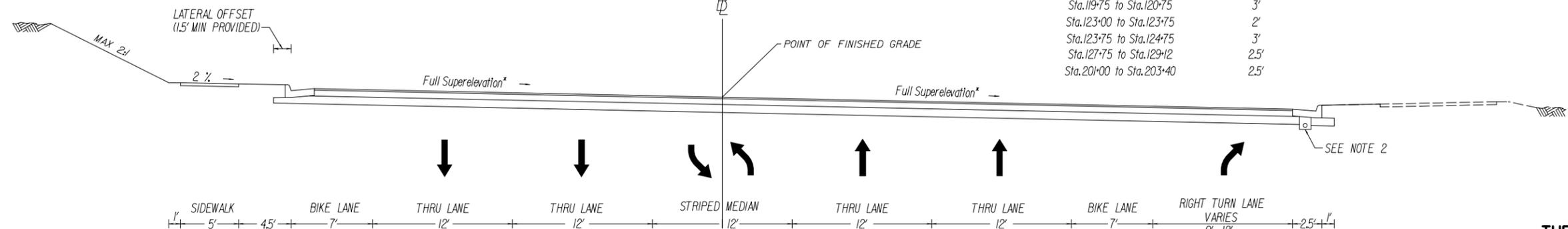
\* FOR SUPERELEVATION INFORMATION, REFER TO PROFILE SHEETS

## WALNEY ROAD (RTE 657)



STA.118+49.15 TO STA.118+76.74  
STA.123+05.83 TO STA.123+11.37

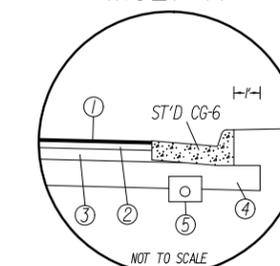
## WALNEY ROAD (RTE 657)



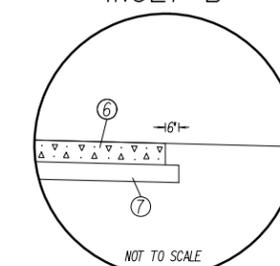
\* FOR SUPERELEVATION INFORMATION, REFER TO PROFILE SHEETS

STA.118+76.74 TO STA.123+05.83

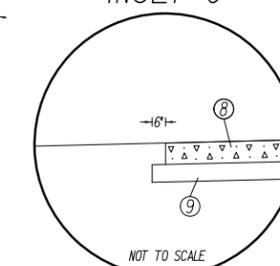
### INSET A



### INSET B



### INSET C



#### NOTES:

1. THE FOLLOWING TABLE SHOWS STATIONS FOR UNSUITABLE MATERIAL. ALL UNSUITABLE MATERIAL SHOULD BE CONSIDERED WASTE FOR OFF-SITE DISPOSAL.

LOCATION	DEPTH BELOW SUBGRADE
Sta.105+40 to Sta.105+90	3'
Sta.106+30 to Sta.106+80	6'
Sta.119+75 to Sta.120+75	3'
Sta.123+00 to Sta.123+75	2'
Sta.123+75 to Sta.124+75	3'
Sta.127+75 to Sta.129+12	2.5'
Sta.201+00 to Sta.203+40	2.5'

2. ST'D UD-4 LOCATIONS:  
STA.107+28.84 TO STA.112+00.27 LT  
STA.116+03.27 TO STA.118+00.80 LT  
STA.107+28.84 TO STA.114+11.64 RT  
STA.116+03.56 TO STA.122+05.40 RT

- ① SURFACE - 1.5" ASPHALT CONCRETE, TYPE SM-9.5D @ 182 LBS/SQ YD
- ② INTERMEDIATE - 2" ASPHALT CONCRETE TYPE IM-19.0A @ 242 LBS/SQ YD
- ③ BASE - 7" ASPHALT CONCRETE, TYPE BM-25.0A
- ④ SUBBASE - 8" AGGREGATE BASE MATERIAL, TYPE 1, SIZE NO.21B
- ⑤ ST'D UD-4
- ⑥ SURFACE - 4" HYDRUALIC CEMENT CONCRETE, CLASS A3
- ⑦ BASE - 4" AGGREGATE BASE MATERIAL, TYPE 1, SIZE NO.21A OR NO.21B
- ⑧ SURFACE - 2" ASPHALT CONCRETE, TYPE SM-9.5A @ 242 LBS/SQ YD
- ⑨ BASE - 6" PLAIN AGGREGATE, TYPE 1, SIZE NO.21B

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

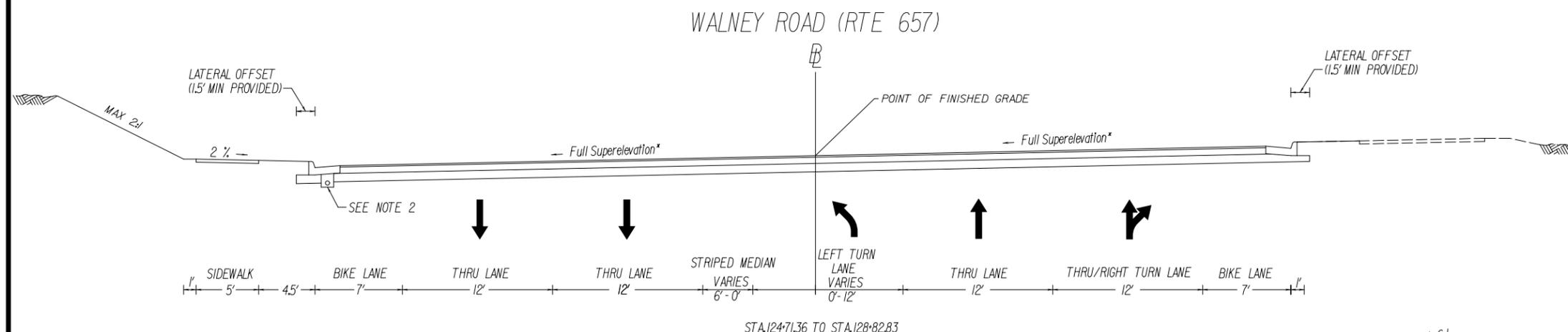
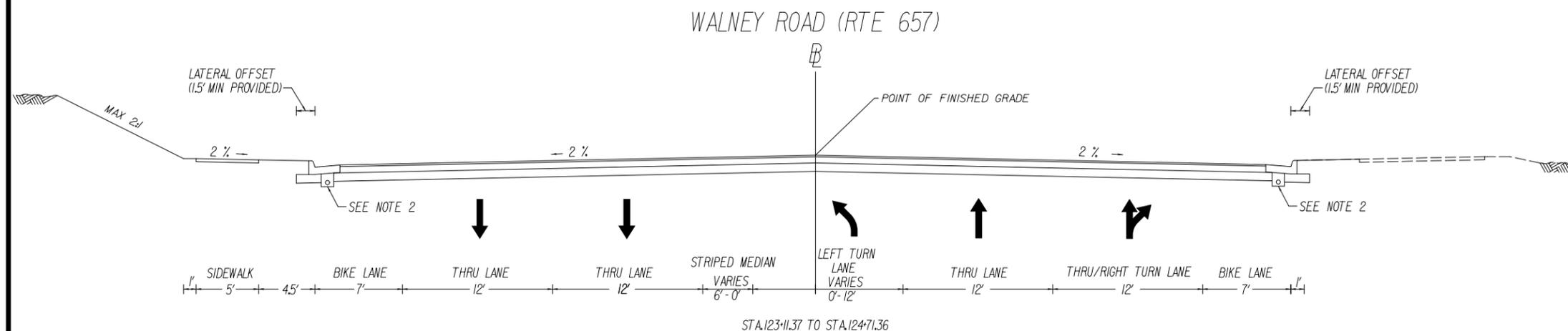
PROJECT	SHEET NO.
0657-029-099	2A(2)

# TYPICAL SECTIONS

N.T.S.

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	657	0657-029-099, PE-101 RW-201, C-501, B-641	2A(3)

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



\* FOR SUPERELEVATION INFORMATION, REFER TO PROFILE SHEETS  
\*\* THE EXISTING SHARED-USE PATH SHALL REMAIN IN-PLACE BETWEEN MARIAH COURT AND STA 126+49.81

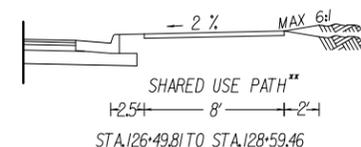
**NOTES:**

1. THE FOLLOWING TABLE SHOWS STATIONS FOR UNSUITABLE MATERIAL, ALL UNSUITABLE MATERIAL SHOULD BE CONSIDERED WASTE FOR OFF-SITE DISPOSAL.

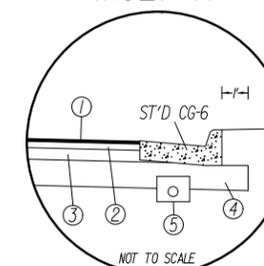
LOCATION	DEPTH BELOW SUBGRADE
Sta.105+40 to Sta.105+90	3'
Sta.106+30 to Sta.106+80	6'
Sta.119+75 to Sta.120+75	3'
Sta.123+00 to Sta.123+75	2'
Sta.123+75 to Sta.124+75	3'
Sta.127+75 to Sta.129+12	2.5'
Sta.201+00 to Sta.203+40	2.5'

2. ST'D UD-4 LOCATIONS:

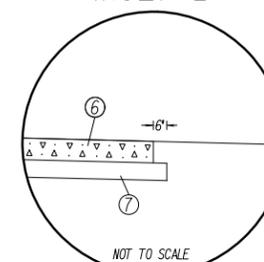
STA.123+67.79 TO STA.128+03.25 LT  
STA.123+50.00 TO STA.123+75.80 RT



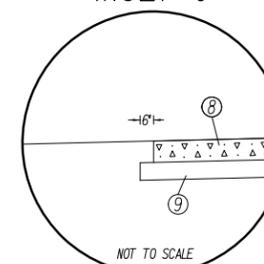
INSET A



INSET B



INSET C



- ① SURFACE - 1.5" ASPHALT CONCRETE, TYPE SM-9.5D @ 182 LBS/SQ YD
- ② INTERMEDIATE - 2" ASPHALT CONCRETE TYPE IM-19.0A @ 242 LBS/SQ YD
- ③ BASE - 7" ASPHALT CONCRETE, TYPE BM-25.0A
- ④ SUBBASE - 8" AGGREGATE BASE MATERIAL, TYPE 1, SIZE NO.21B
- ⑤ ST'D UD-4
- ⑥ SURFACE - 4" HYDRUALIC CEMENT CONCRETE, CLASS A3
- ⑦ BASE - 4" AGGREGATE BASE MATERIAL TYPE 1, SIZE NO.21A OR NO.21B
- ⑧ SURFACE - 2" ASPHALT CONCRETE, TYPE SM-9.5A @ 242 LBS/SQ YD
- ⑨ BASE - 6" PLAIN AGGREGATE, TYPE 1, SIZE NO.21B

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

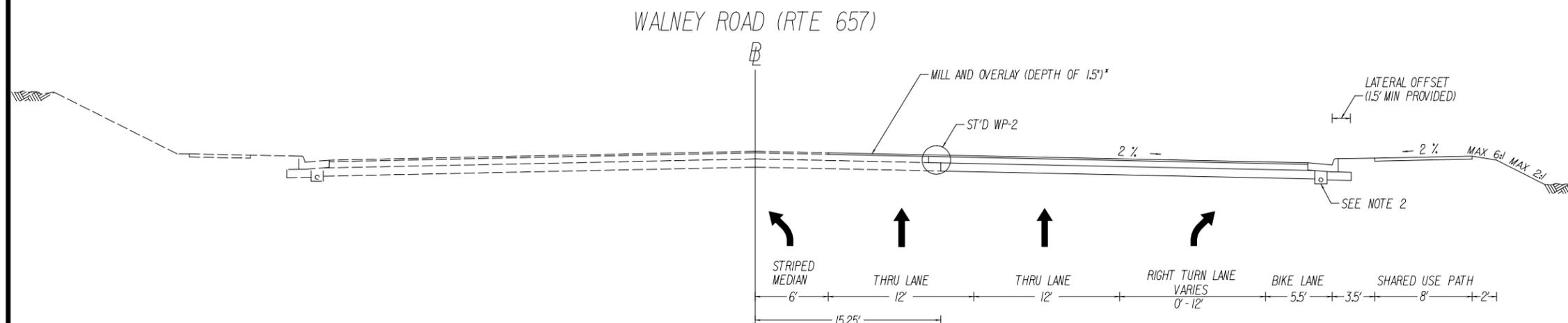
PROJECT	SHEET NO.
0657-029-099	2A(3)

# TYPICAL SECTIONS

N.T.S.

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	657	0657-029-099, PE-101 RW-201, C-501, B-641	2A(4)

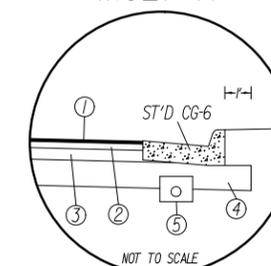
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



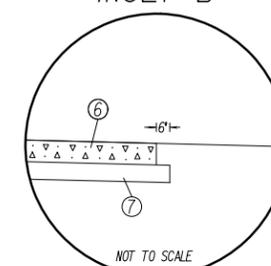
STA.201+8.58 TO STA.203+38.18

\* FOR APPROXIMATE LIMITS OF MILL AND OVERLAY AS WELL AS FULL DEPTH PAVEMENT, REFER TO THE PLAN SHEET.

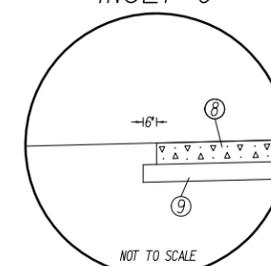
INSET A



INSET B

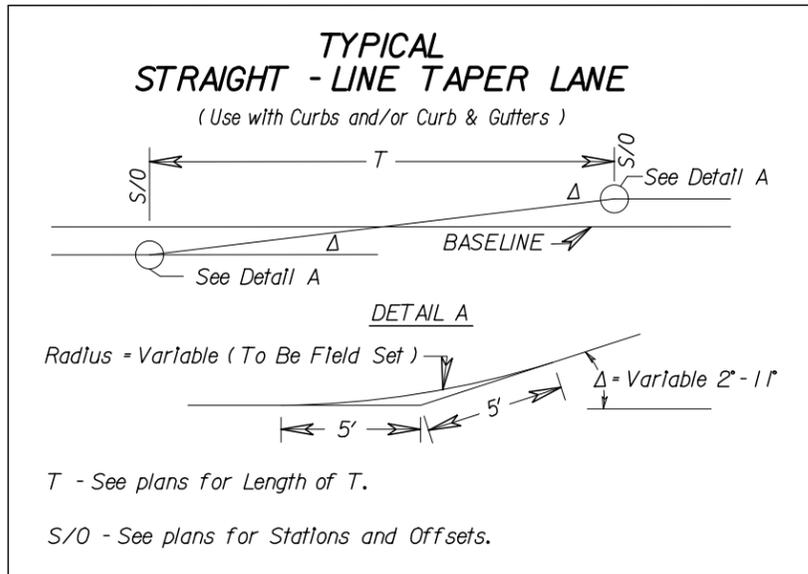


INSET C



- ① SURFACE - 1.5" ASPHALT CONCRETE, TYPE SM-9.5D @ 182 LBS/SQ YD
- ② INTERMEDIATE - 2" ASPHALT CONCRETE TYPE IM-19.0A @ 242 LBS/SQ YD
- ③ BASE - 7" ASPHALT CONCRETE, TYPE BM-25.0A
- ④ SUBBASE - 8" AGGREGATE BASE MATERIAL, TYPE 1, SIZE NO.21B
- ⑤ ST'D UD-4
- ⑥ SURFACE - 4" HYDRUALIC CEMENT CONCRETE, CLASS A3
- ⑦ BASE - 4" AGGREGATE BASE MATERIAL TYPE 1, SIZE NO.21A OR NO.21B
- ⑧ SURFACE - 2" ASPHALT CONCRETE, TYPE SM-9.5A @ 242 LBS/SQ YD
- ⑨ BASE - 6" PLAIN AGGREGATE, TYPE 1, SIZE NO.21B

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



NOTES:

1. THE FOLLOWING TABLE SHOWS STATIONS FOR UNSUITABLE MATERIAL. ALL UNSUITABLE MATERIAL SHOULD BE CONSIDERED WASTE FOR OFF-SITE DISPOSAL.

LOCATION	DEPTH BELOW SUBGRADE
Sta.105+40 to Sta.105+90	3'
Sta.106+30 to Sta.106+80	6'
Sta.119+75 to Sta.120+75	3'
Sta.123+00 to Sta.123+75	2'
Sta.123+75 to Sta.124+75	3'
Sta.127+75 to Sta.129+12	2.5'
Sta.201+00 to Sta.203+40	2.5'

2. ST'D UD-4 LOCATION: STA.202+43.00 TO STA.203+38.18

PROJECT	SHEET NO.
0657-029-099	2A(4)

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	657	0657-029-099, PE-101 RW-201, C-501, B-641	3

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



**Utility Owners**  
Walney Road - South  
Fairfax County, VA

**Water & Sewer:**  
County of Fairfax - Sewer  
Wastewater Management  
12000 Government Center Pkwy.  
Fairfax, VA 22035  
Ned Langdon, GIS  
703-324-5002

**Fiber Optic:**  
AT&T Corp.  
4800 Winchester Blvd  
Frederick, MD 21703  
Gary Wigfield  
301-874-1180  
gwigfield@att.com

**Power:**  
Dominion Virginia Power  
701 E. Cary St.  
Richmond, VA 23219  
Andrew Brooks  
Underground Damage Prevention Manager  
Dominion Emergency Preparedness Center  
804-771-3655  
Andrew.Brooks@dom.com

**MCI**  
Verizon Business  
2400 N. Glenville Dr.  
Richardson, TX 75082  
Attn: Investigations  
800-624-9675  
972-729-6240 Fax  
Investigations@verizon.com

**Gas:**  
Washington Gas  
6801 Industrial Road  
Springfield, VA 22151  
703-750-1000

**Level (3) Communications, LLC**  
1755 Old Meadow Rd  
McLean, VA 22102  
Chris Baker  
540-222-6598

**TW Telecom**  
12343 Sunrise Valley Drive  
Reston, VA 22191  
Judy Howard-Pascale  
248-390-8240  
Judy.Howard-Pascale@twtelecom.com

**FiberLight, LLC**  
3655 Brookside Parkway, Suite 550  
Alpharetta, GA 30022  
Chris Russell  
703-650-8465

**Verizon**  
Field Contact: Dean Rasmussen  
434-942-8192

**Cox Communications**  
3080 Centreville Road  
Herndon, VA 20171  
Bill Henry  
703-480-7823  
Bill.Henry@cox.com

**COMMONWEALTH CENTRE INVESTORS, LLC**  
DB17918 PG1676  
3773.202 SQ.FT  
Tax# 0441010006

**WESTFIELDS BOULEVARD**

**WALNEY ROAD (RTE 657) CONSTRUCTION B**

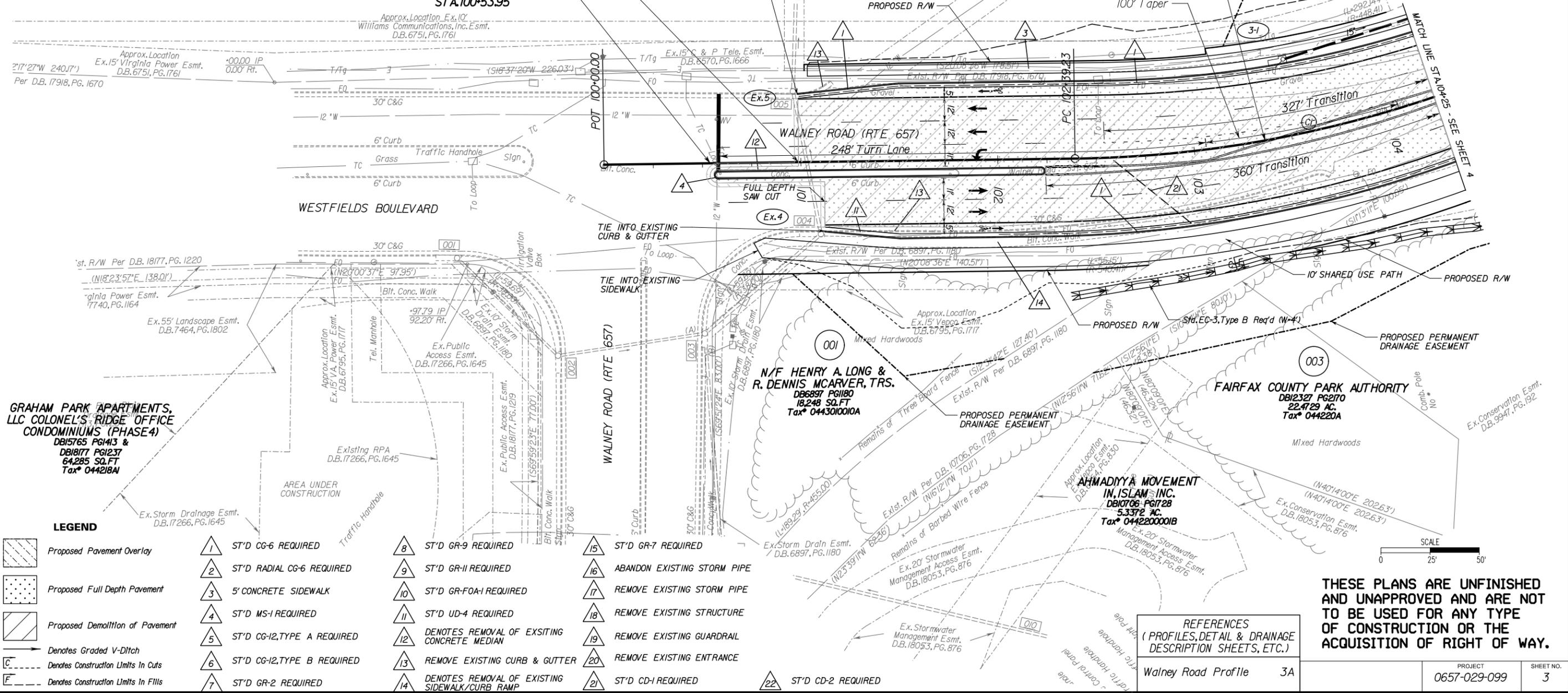
**WALNEY ROAD (RTE 657) 248' TURN LANE**

**N/F HENRY A. LONG & R. DENNIS MCARVER, TRS.**  
DB6897 PG1180  
18,248 SQ.FT  
Tax# 0443010010A

**FAIRFAX COUNTY PARK AUTHORITY**  
DB12327 PG2170  
22,4723 AC.  
Tax# 044220A

**AHMADIYYA MOVEMENT IN ISLAM, INC.**  
DB10706 PG1728  
5,3372 AC.  
Tax# 0442200001B

**GRAHAM PARK APARTMENTS, LLC COLONEL'S RIDGE OFFICE CONDOMINIUMS (PHASE 4)**  
DB15765 PG1413 &  
DB18177 PG1237  
64,285 SQ.FT  
Tax# 044218A



**LEGEND**

	Proposed Pavement Overlay		ST'D CG-6 REQUIRED		ST'D GR-9 REQUIRED		ST'D GR-7 REQUIRED
	Proposed Full Depth Pavement		ST'D RADIAL CG-6 REQUIRED		ST'D GR-11 REQUIRED		ABANDON EXISTING STORM PIPE
	Proposed Demolition of Pavement		5' CONCRETE SIDEWALK		ST'D GR-FOA-1 REQUIRED		REMOVE EXISTING STORM PIPE
	Denotes Graded V-Ditch		ST'D MS-1 REQUIRED		ST'D UD-4 REQUIRED		REMOVE EXISTING STRUCTURE
	Denotes Construction Limits In Cuts		ST'D CG-12, TYPE A REQUIRED		DENOTES REMOVAL OF EXISTING CONCRETE MEDIAN		REMOVE EXISTING GUARDRAIL
	Denotes Construction Limits In Fills		ST'D CG-12, TYPE B REQUIRED		REMOVE EXISTING CURB & GUTTER		REMOVE EXISTING ENTRANCE
			ST'D GR-2 REQUIRED		DENOTES REMOVAL OF EXISTING SIDEWALK/CURB RAMP		ST'D CD-1 REQUIRED
							ST'D CD-2 REQUIRED

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

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

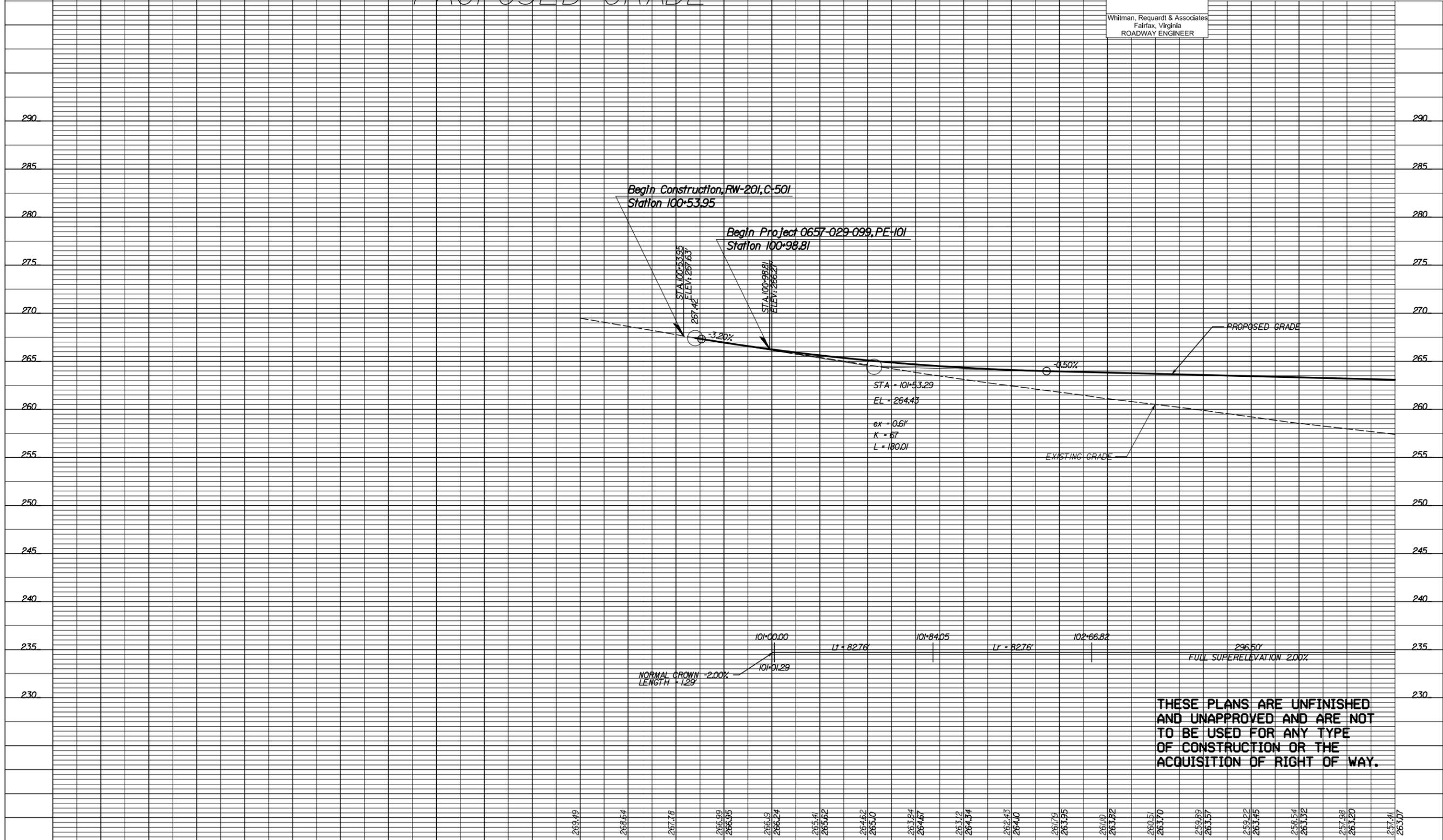
Walney Road Profile	3A	PROJECT	0657-029-099	SHEET NO.	3
---------------------	----	---------	--------------	-----------	---

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	657	0657-029-099, PE-101 RW-201, C-501, B-641	3A

# WALNEY ROAD (RTE 657) PROPOSED GRADE

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

Whitman, Reardon & Associates  
Fairfax, Virginia  
ROADWAY ENGINEER

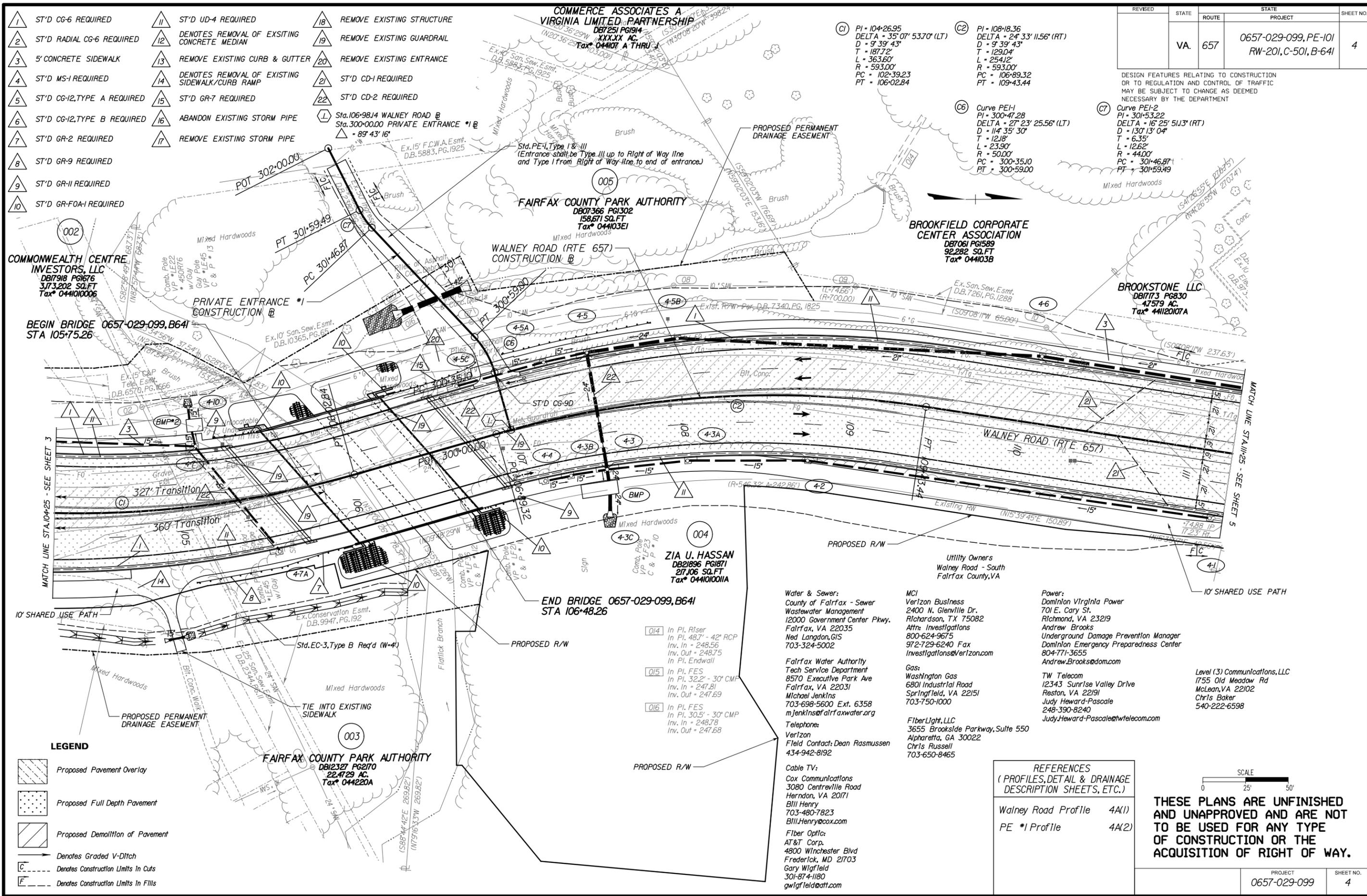


263.49	268.64	267.78	266.99	266.95	266.19	266.24	265.41	265.62	264.62	265.10	263.84	264.67	263.12	264.34	262.43	264.10	261.76	263.95	261.10	263.82	260.51	261.70	259.89	263.57	259.22	263.45	258.54	263.32	257.98	263.20	257.41	263.07
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

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

100+00.00	101+00.00	102+00.00	103+00.00	104+00.00
-----------	-----------	-----------	-----------	-----------

PROJECT	SHEET NO.
0657-029-099	3A



- 1 ST'D CG-6 REQUIRED
- 2 ST'D RADIAL CG-6 REQUIRED
- 3 5' CONCRETE SIDEWALK
- 4 ST'D MS-1 REQUIRED
- 5 ST'D CG-12, TYPE A REQUIRED
- 6 ST'D CG-12, TYPE B REQUIRED
- 7 ST'D GR-2 REQUIRED
- 8 ST'D GR-9 REQUIRED
- 9 ST'D GR-II REQUIRED
- 10 ST'D GR-FOA-I REQUIRED
- 11 ST'D UD-4 REQUIRED
- 12 DENOTES REMOVAL OF EXISTING CONCRETE MEDIAN
- 13 REMOVE EXISTING CURB & GUTTER
- 14 DENOTES REMOVAL OF EXISTING SIDEWALK/CURB RAMP
- 15 ST'D GR-7 REQUIRED
- 16 ABANDON EXISTING STORM PIPE
- 17 REMOVE EXISTING STORM PIPE
- 18 REMOVE EXISTING STRUCTURE
- 19 REMOVE EXISTING GUARDRAIL
- 20 REMOVE EXISTING ENTRANCE
- 21 ST'D CD-1 REQUIRED
- 22 ST'D CD-2 REQUIRED
- L Sta. 106+98.14 WALNEY ROAD @ Sta. 300+00.00 PRIVATE ENTRANCE #1 @ - 89' 43' 16"

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	657	0657-029-099, PE-101 RW-201, C-501, B-641	4

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

**COMMONWEALTH CENTRE INVESTORS, LLC**  
DB17918 PG1676  
317,320 SQ.FT  
Tax# 04410006

**FAIRFAX COUNTY PARK AUTHORITY**  
DB07366 PG1302  
158,671 SQ.FT  
Tax# 044103E1

**WALNEY ROAD (RTE 657) CONSTRUCTION**

**BROOKFIELD CORPORATE CENTER ASSOCIATION**  
DB7081 PG1589  
92,282 SQ.FT  
Tax# 044103B

**BROOKSTONE LLC**  
DB17173 PG830  
47,579 AC.  
Tax# 44120107A

**ZIA U. HASSAN**  
DB21896 PG1871  
217,106 SQ.FT  
Tax# 044101011A

**FAIRFAX COUNTY PARK AUTHORITY**  
DB12327 PG2170  
22,479 AC.  
Tax# 044220A

**LEGEND**

- Proposed Pavement Overlay
- Proposed Full Depth Pavement
- Proposed Demolition of Pavement
- Denotes Graded V-Ditch
- Denotes Construction Limits In Cuts
- Denotes Construction Limits In Fills

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Walney Road Profile 4A(1)  
PE #1 Profile 4A(2)

**UTILITIES**

**Water & Sewer:**  
County of Fairfax - Sewer Wastewater Management  
12000 Government Center Pkwy.  
Fairfax, VA 22035  
Ned Langdon, GIS  
703-324-5002

**Fairfax Water Authority**  
Tech Service Department  
8570 Executive Park Ave  
Fairfax, VA 22031  
Michael Jenkins  
703-698-5600 Ext. 6358  
mjenkins@fairfaxwater.org

**Telephone:**  
Verizon  
Field Contact: Dean Rasmussen  
434-942-8192

**Cable TV:**  
Cox Communications  
3080 Centreville Road  
Herndon, VA 20171  
Bill Henry  
703-480-7823  
Bill.Henry@cox.com

**Fiber Optic:**  
AT&T Corp.  
4800 Winchester Blvd  
Frederick, MD 21703  
Gary Wigfield  
301-874-1180  
gwigfield@att.com

**MCI**  
Verizon Business  
2400 N. Glenville Dr.  
Richardson, TX 75082  
Attn: Investigations  
800-624-9675  
972-729-6240 Fax  
Investigations@verizon.com

**Gas:**  
Washington Gas  
6801 Industrial Road  
Springfield, VA 22151  
703-750-1000

**FiberLight, LLC**  
3655 Brookside Parkway, Suite 550  
Alpharetta, GA 30022  
Chris Russell  
703-650-8465

**Power:**  
Dominion Virginia Power  
701 E. Cary St.  
Richmond, VA 23219  
Andrew Brooks  
Underground Damage Prevention Manager  
Dominion Emergency Preparedness Center  
804-771-3655  
Andrew.Brooks@dom.com

**TW Telecom**  
12343 Sunrise Valley Drive  
Reston, VA 22191  
Judy Howard-Pascale  
248-390-8240  
Judy.Howard-Pascale@twtelecom.com

**Level (3) Communications, LLC**  
1755 Old Meadow Rd  
McLean, VA 22102  
Chris Baker  
540-222-6598

**Utility Owners**  
Walney Road - South  
Fairfax County, VA

**10' SHARED USE PATH**

**SCALE**  
0 25' 50'

**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**  
0657-029-099

**SHEET NO.**  
4

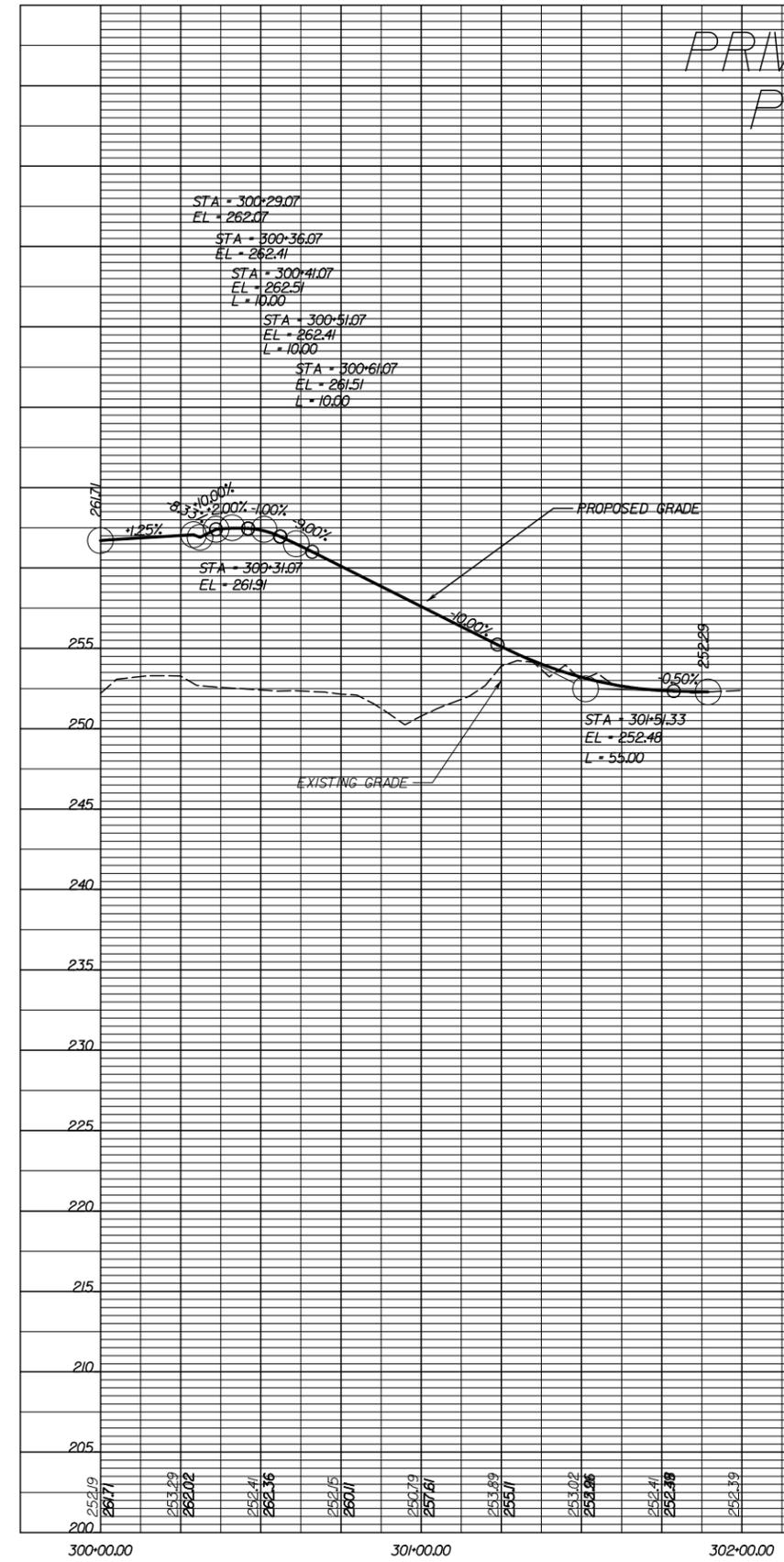


REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	657		0657-029-099, PE-101 RW-201, C-501, B-641	4A(2)

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

Whitman, Reardon & Associates  
Fairfax, Virginia  
ROADWAY ENGINEER

# PRIVATE ENTRANCE #1 PROPOSED GRADE



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

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	657	0657-029-099, PE-101 RW-201, C-501, B-641	5

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

**Utility Owners**  
Walney Road - South  
Fairfax County, VA

**Water & Sewer:**  
County of Fairfax - Sewer  
Wastewater Management  
12000 Government Center Pkwy.  
Fairfax, VA 22035  
Ned Langdon, GIS  
703-324-5002

**Fiber Optic:**  
AT&T Corp.  
4800 Winchester Blvd  
Frederick, MD 21703  
Gary Wigfeld  
301-874-1180  
gwigfeld@att.com

**Power:**  
Dominion Virginia Power  
701 E. Cary St.  
Richmond, VA 23219  
Andrew Brooks  
Underground Damage Prevention Manager  
Dominion Emergency Preparedness Center  
804-771-3655  
Andrew.Brooks@dom.com

**MCI**  
Verizon Business  
2400 N. Glenville Dr.  
Richardson, TX 75082  
Attn: Investigations  
800-624-9675  
972-729-6240 Fax  
Investigation@verizon.com

**Verizon**  
Field Contact: Dean Rasmussen  
434-942-8192

**Cable TV:**  
Cox Communications  
3080 Centreville Road  
Herndon, VA 20171  
Bill Henry  
703-480-7823  
Bill.Henry@cox.com

**FiberLight, LLC**  
3655 Brookside Parkway, Suite 550  
Alpharetta, GA 30022  
Chris Russell  
703-650-8465

**Gas:**  
Washington Gas  
6801 Industrial Road  
Springfield, VA 22151  
703-750-1000

**Level (3) Communications, LLC**  
1755 Old Meadow Rd  
McLean, VA 22102  
Chris Baker  
540-222-6598

② Sta. 114+69.97 WALNEY ROAD @  
Sta. 400+00.00 MARIAH COURT @  
△ = 87° 36' 10"

③ PI = 114+00.87  
DELTA = 15° 37' 59.06" (RT)  
D = 5' 24' 19"  
T = 145.51'  
L = 289.22'  
R = 1060.00'  
PC = 112+55.35  
PT = 115+44.57

**BROOKSTONE LLC**  
DB1773 PG830  
47579 AC.  
Tax# 44120107A

**BROOKFIELD 3, LLC**  
DB1442 PG433  
45341 AC.  
Tax# 044+03-0003

**DARYA HOLDINGS LLC**  
DB19396 PG268  
72636 SQ. FT.  
Tax# 0442 01 0026A

**WALNEY ROAD SELF STORAGE, LLC**  
DB10099 PG0616  
17198 SQ. FT.  
Tax# 0442010025

**ZIA U. HASSAN**  
DB21896 PG1871  
21706 SQ. FT.  
Tax# 044101001A

- LEGEND**
- Proposed Pavement Overlay
  - Proposed Full Depth Pavement
  - Proposed Demolition of Pavement
  - Denotes Graded V-Ditch
  - Denotes Construction Limits In Cuts
  - Denotes Construction Limits In Fills

- ① ST'D CG-6 REQUIRED
- ② ST'D RADIAL CG-6 REQUIRED
- ③ 5' CONCRETE SIDEWALK
- ④ ST'D MS-1 REQUIRED
- ⑤ ST'D CG-12, TYPE A REQUIRED
- ⑥ ST'D CG-12, TYPE B REQUIRED
- ⑦ ST'D GR-2 REQUIRED
- ⑧ ST'D GR-9 REQUIRED
- ⑨ ST'D GR-11 REQUIRED
- ⑩ ST'D GR-FOA-1 REQUIRED
- ⑪ ST'D UD-4 REQUIRED
- ⑫ DENOTES REMOVAL OF EXISTING CONCRETE MEDIAN
- ⑬ REMOVE EXISTING CURB & GUTTER
- ⑭ DENOTES REMOVAL OF EXISTING SIDEWALK/CURB RAMP
- ⑮ ST'D GR-7 REQUIRED
- ⑯ ABANDON EXISTING STORM PIPE
- ⑰ REMOVE EXISTING STORM PIPE
- ⑱ REMOVE EXISTING STRUCTURE
- ⑲ REMOVE EXISTING GUARDRAIL
- ⑳ REMOVE EXISTING ENTRANCE
- ㉑ ST'D CD-1 REQUIRED
- ㉒ ST'D CD-2 REQUIRED

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Walney Road Profile 5A



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

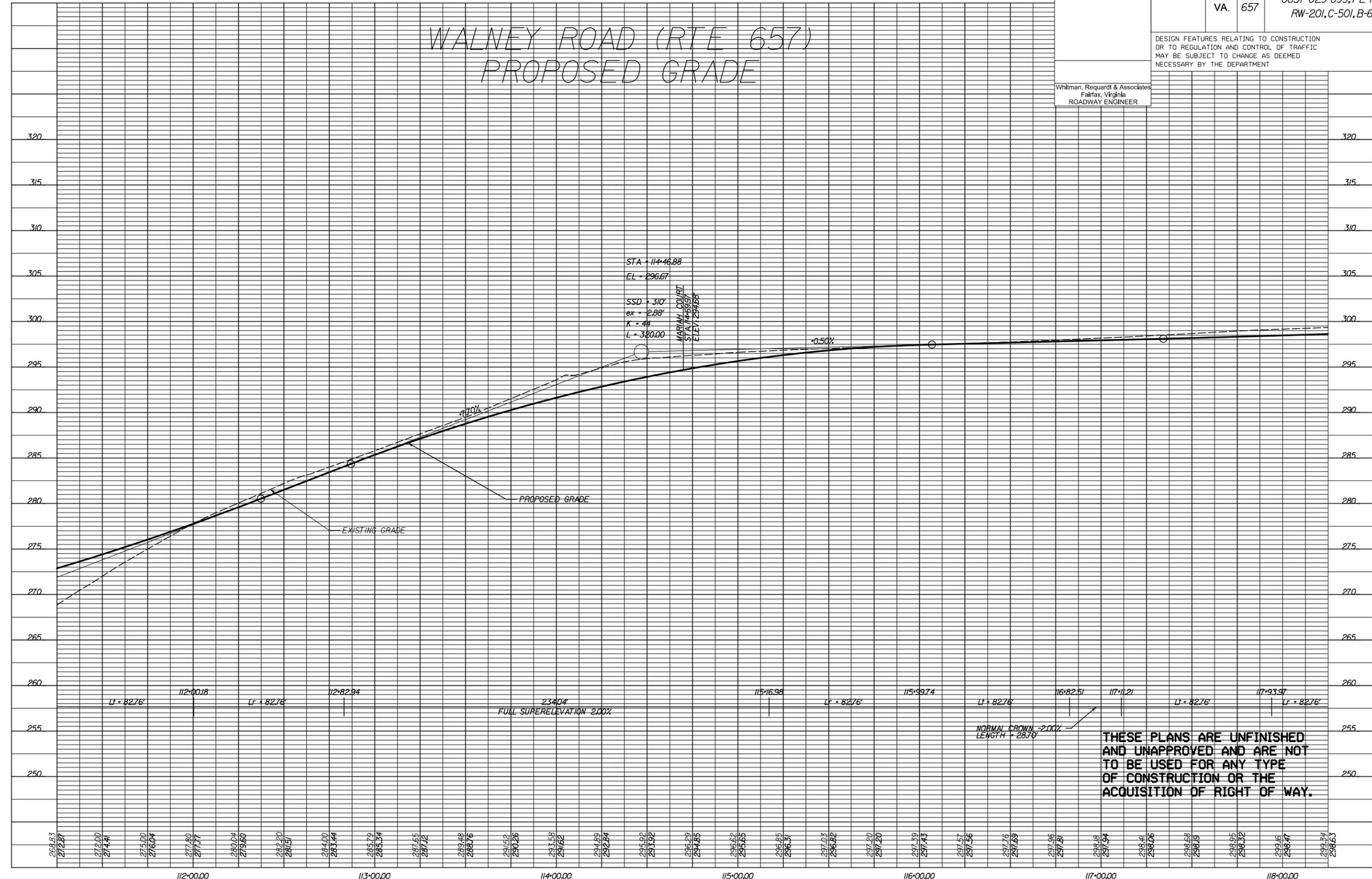
PROJECT	SHEET NO.
0657-029-099	5

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	657		0657-029-099, PE-101 RW-201, C-501, B-641	5A

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

Whitman, Reardon & Associates  
Fairfax, Virginia  
ROADWAY ENGINEER

# WALNEY ROAD (RTE 657) PROPOSED GRADE



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

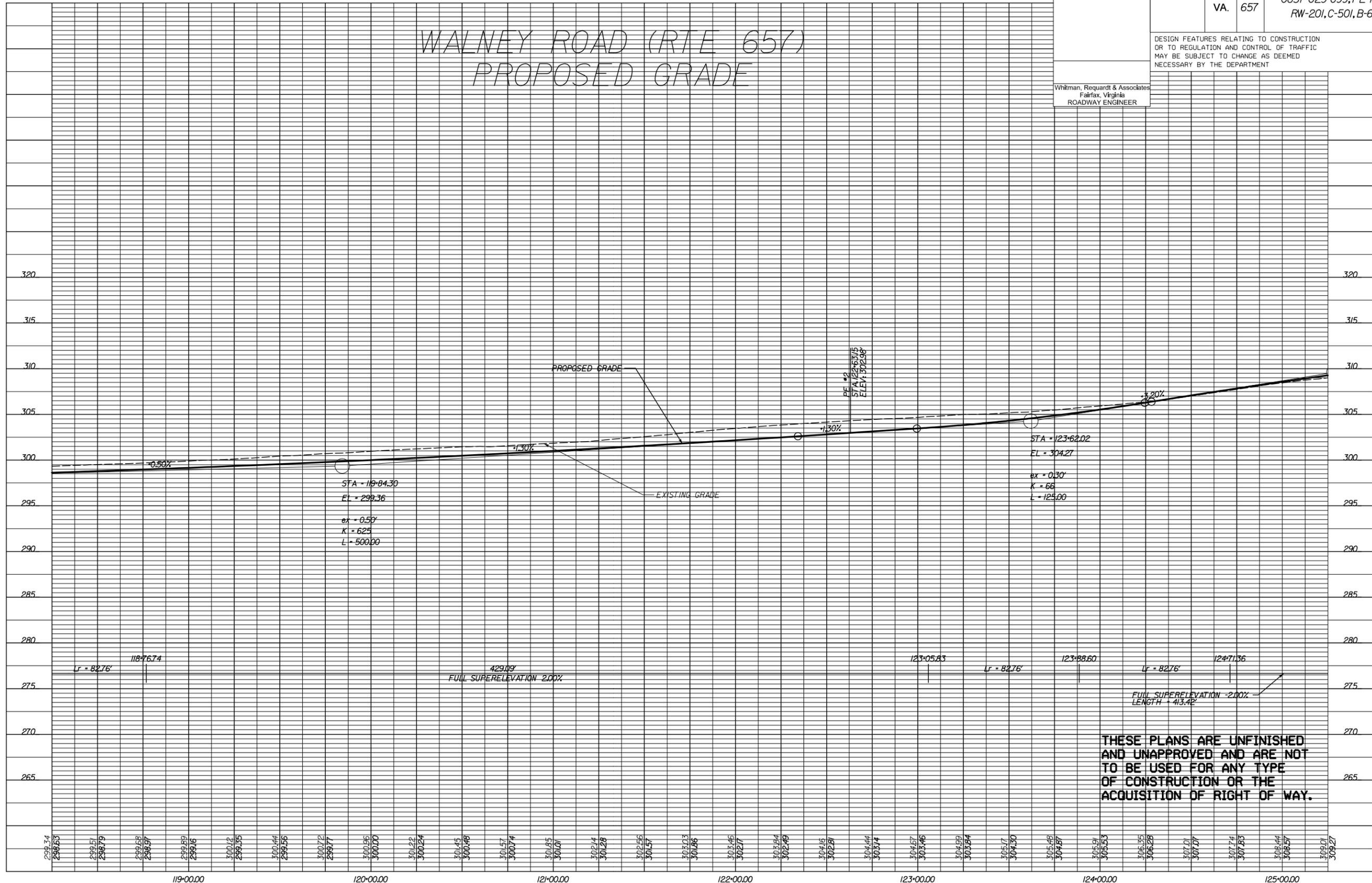


REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	657	0657-029-099, PE-101 RW-201, C-501, B-641	6A

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

Whitman, Reardon & Associates  
Fairfax, Virginia  
ROADWAY ENGINEER

# WALNEY ROAD (RTE 657) PROPOSED GRADE



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

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	657	0657-029-099, PE-101 RW-201, C-501, B-641	7

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

EVE LLC  
DB9320 PG784  
268,303 SQ.FT  
Tax\* 0442 010020

CHANTILLY WEST LP  
CARE C & S PROPERTIES  
DB8931 PG1531  
1,9692 AC.  
Tax\* 0442 010022

MCCUE AND MCCUE, LIMITED PARTNERSHIP  
DB6738 PG955  
222,592 SQ.FT  
Tax\* 0442 16 0001

PROP. PERM. SIGNALIZATION EASE UNDER STATE PROJECT 0657-029-920, M-501

END PROJECT 0657-029-099, PE-101  
STA. 128+98.78

MASSIS INVESTMENTS LLC  
DB19710 PG2109  
124,438 SQ.FT  
Tax\* 0442 010002C

Utility Owners  
Walney Road - South  
Fairfax County, VA

Water & Sewer:  
County of Fairfax - Sewer  
Wastewater Management  
12000 Government Center Pkwy.  
Fairfax, VA 22035  
Ned Langdon, GIS  
703-324-5002

Fairfax Water Authority  
Tech Service Department  
8570 Executive Park Ave  
Fairfax, VA 22031  
Michael Jenkins  
703-698-5600 Ext. 6358  
mjenkins@fairfaxwater.org

Telephone:  
Verizon  
Field Contact: Dean Rasmussen  
434-942-8192

Cable TV:  
Cox Communications  
3080 Centerville Road  
Herndon, VA 20171  
Bill Henry  
703-480-7823  
Bill.Henry@cox.com

Fiber Optic:  
AT&T Corp.  
4800 Winchester Blvd  
Frederick, MD 21703  
Gary Wiggfield  
301-874-1180  
gwiggfield@att.com

MCI  
Verizon Business  
2400 N. Glenville Dr.  
Richardson, TX 75082  
Attn: Investigations  
800-624-9675  
972-729-6240 Fax  
Investigations@verizon.com

Gas:  
Washington Gas  
6801 Industrial Road  
Springfield, VA 22151  
703-750-1000

FiberLight, LLC  
3655 Brookside Parkway, Suite 550  
Alpharetta, GA 30022  
Chris Russell  
703-650-8465

Power:  
Dominion Virginia Power  
701 E. Cary St.  
Richmond, VA 23219  
Andrew Brooks  
Underground Damage Prevention Manager  
Dominion Emergency Preparedness Center  
804-771-3655  
Andrew.Brooks@dom.com  
TW Telecom  
2400 N. Glenville Dr.  
Reston, VA 22191  
Judy Heaward-Pascale  
248-390-8240  
Judy.Heaward-Pascale@twtelecom.com  
Level (3) Communications, LLC  
1755 Old Meadow Rd  
McLean, VA 22102  
Chris Baker  
540-222-6598

LEGEND

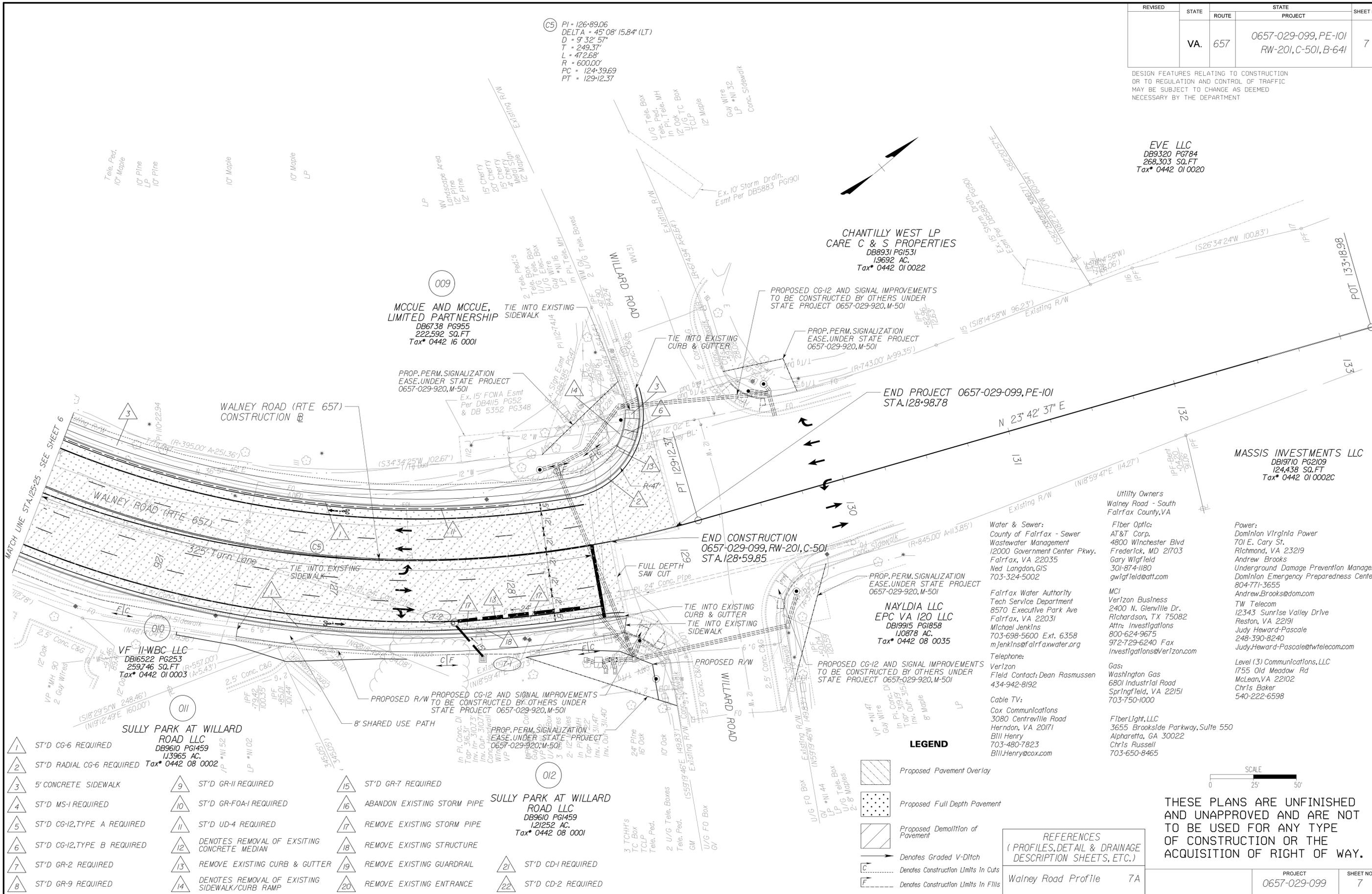
- Proposed Pavement Overlay
- Proposed Full Depth Pavement
- Proposed Demolition of Pavement
- Denotes Graded V-Ditch
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

REFERENCES  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Walney Road Profile	7A
---------------------	----



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



- |                               |   |                                |
|-------------------------------|---|--------------------------------|
| 1 ST'D CG-6 REQUIRED          | 9 ST'D GR-II REQUIRED                             | 15 ST'D GR-7 REQUIRED          |
| 2 ST'D RADIAL CG-6 REQUIRED   | 10 ST'D GR-FOA-I REQUIRED                         | 16 ABANDON EXISTING STORM PIPE |
| 3 5' CONCRETE SIDEWALK        | 11 ST'D UD-4 REQUIRED                             | 17 REMOVE EXISTING STORM PIPE  |
| 4 ST'D MS-I REQUIRED          | 12 DENOTES REMOVAL OF EXISTING CONCRETE MEDIAN    | 18 REMOVE EXISTING STRUCTURE   |
| 5 ST'D CG-12, TYPE A REQUIRED | 13 REMOVE EXISTING CURB & GUTTER                  | 19 REMOVE EXISTING GUARDRAIL   |
| 6 ST'D CG-12, TYPE B REQUIRED | 14 DENOTES REMOVAL OF EXISTING SIDEWALK/CURB RAMP | 20 REMOVE EXISTING ENTRANCE    |
| 7 ST'D GR-2 REQUIRED          |   | 21 ST'D CD-1 REQUIRED          |
| 8 ST'D GR-9 REQUIRED          |   | 22 ST'D CD-2 REQUIRED          |

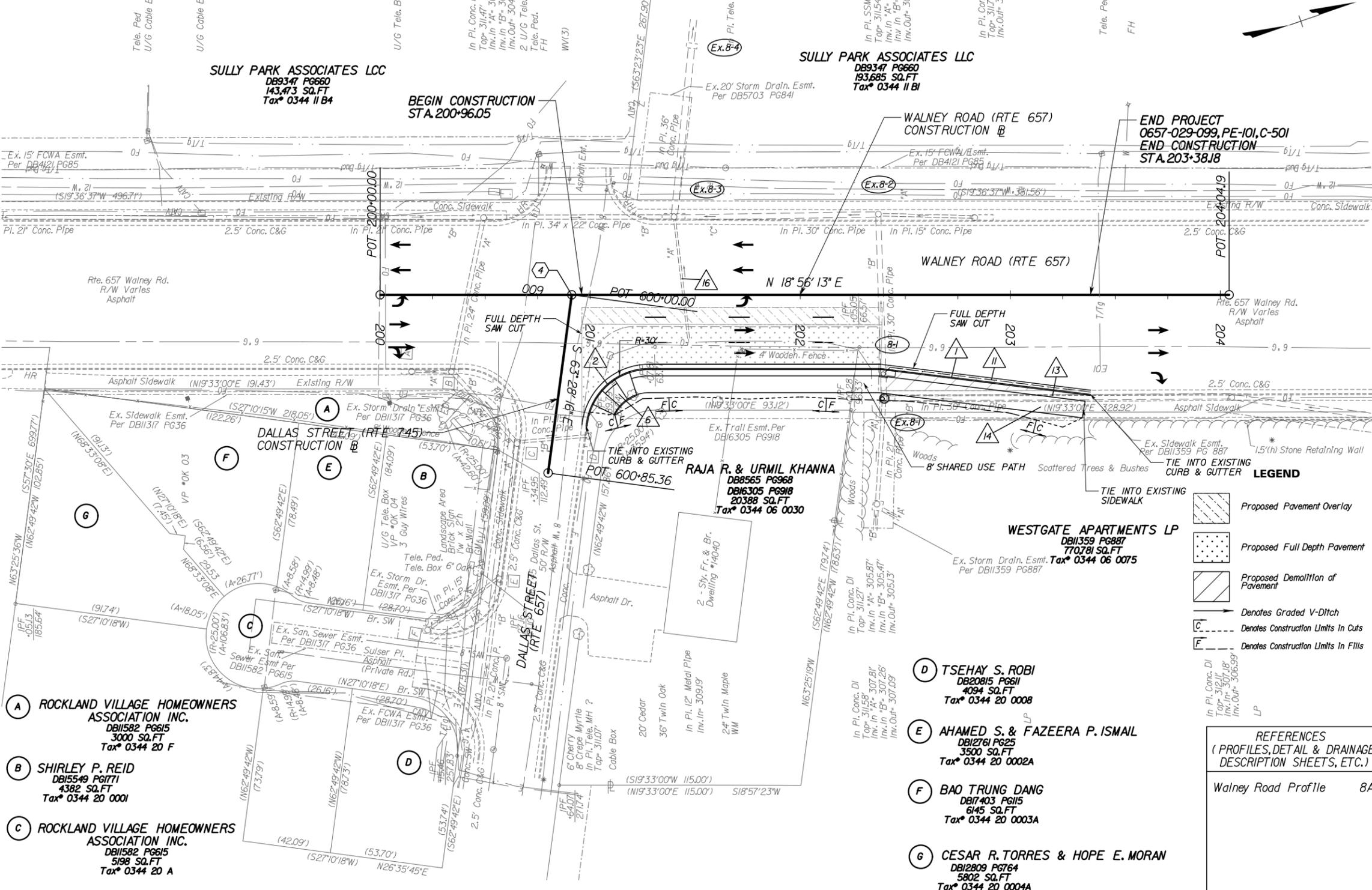
SULLY PARK AT WILLARD ROAD LLC  
DB9610 PG459  
1,21252 AC.  
Tax\* 0442 08 0001



REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	657	0657-029-099, PE-101 RW-201, C-501, B-641	8

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

- 1 ST'D CG-6 REQUIRED
- 2 ST'D RADIAL CG-6 REQUIRED
- 3 5' CONCRETE SIDEWALK
- 4 ST'D MS-I REQUIRED
- 5 ST'D CG-I2, TYPE A REQUIRED
- 6 ST'D CG-I2, TYPE B REQUIRED
- 7 ST'D GR-2 REQUIRED
- 8 ST'D GR-9 REQUIRED
- 9 ST'D GR-II REQUIRED
- 10 ST'D GR-FOA-I REQUIRED
- 11 ST'D UD-4 REQUIRED
- 12 DENOTES REMOVAL OF EXISTING CONCRETE MEDIAN
- 13 REMOVE EXISTING CURB & GUTTER
- 14 DENOTES REMOVAL OF EXISTING SIDEWALK/CURB RAMP
- 15 ST'D GR-7 REQUIRED
- 16 ABANDON EXISTING STORM PIPE
- 17 REMOVE EXISTING STORM PIPE
- 18 REMOVE EXISTING STRUCTURE
- 19 REMOVE EXISTING GUARDRAIL
- 20 REMOVE EXISTING ENTRANCE
- 21 ST'D CD-I REQUIRED
- 22 ST'D CD-2 REQUIRED



**SULLY PARK ASSOCIATES LLC**  
DB9347 PG660  
143,473 SQ.FT  
Tax# 0344 11 B4

**SULLY PARK ASSOCIATES LLC**  
DB9347 PG660  
193,685 SQ.FT  
Tax# 0344 11 B1

**RAJA R. & URMIL KHANNA**  
DB8565 PG968  
DB16305 PG918  
20388 SQ.FT  
Tax# 0344 06 0030

**WESTGATE APARTMENTS LP**  
DB1359 PG887  
770781 SQ.FT  
Tax# 0344 06 0075

**A ROCKLAND VILLAGE HOMEOWNERS ASSOCIATION INC.**  
DB1582 PG615  
3000 SQ.FT  
Tax# 0344 20 F

**B SHIRLEY P. REID**  
DB15549 PG171  
4382 SQ.FT  
Tax# 0344 20 0001

**C ROCKLAND VILLAGE HOMEOWNERS ASSOCIATION INC.**  
DB1582 PG615  
5198 SQ.FT  
Tax# 0344 20 A

**D TSEHAY S. ROBI**  
DB20815 PG611  
4094 SQ.FT  
Tax# 0344 20 0008

**E AHAMED S. & FAZEERA P. ISMAIL**  
DB12761 PG25  
3500 SQ.FT  
Tax# 0344 20 0002A

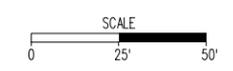
**F BAO TRUNG DANG**  
DB17403 PG115  
6145 SQ.FT  
Tax# 0344 20 0003A

**G CESAR R. TORRES & HOPE E. MORAN**  
DB12809 PG764  
5802 SQ.FT  
Tax# 0344 20 0004A

- LEGEND**
- Proposed Pavement Overlay
  - Proposed Full Depth Pavement
  - Proposed Demolition of Pavement
  - Denotes Graded V-Ditch
  - Denotes Construction Limits In Cuts
  - Denotes Construction Limits In Fills

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Walney Road Profile 8A



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

- Utility Owners**
- Walney Road - North  
Fairfax County, VA
- Water & Sewer:**
- County of Fairfax - Sewer Wastewater Management  
12000 Government Center Pkwy.  
Fairfax, VA 22035  
Ned Langdon, GIS  
703-324-5002
- Fiber Optic:**
- AT&T Corp.  
4800 Winchester Blvd  
Frederick, MD 21703  
Gary Wigfield  
301-874-1180  
gwigfield@att.com
- Fairfax Water Authority  
Tech Service Department  
8570 Executive Park Ave  
Fairfax, VA 22031  
Michael Jenkins  
703-698-5600 Ext. 6358  
mjenkinse@fairfaxwater.org
- Telephone:  
Verizon  
Field Contact: Dean Rasmussen  
434-942-8192
- Cable TV:  
Cox Communications  
3080 Centreville Road  
Herndon, VA 20171  
Bill Henry  
703-480-7823  
Bill.Henry@cox.com
- TW Telecom  
12343 Sunrise Valley Drive  
Reston, VA 22019  
Judy Howard-Pascale  
248-390-8240  
Judy.Howard-Pascale@twtelecom.com
- FiberLight, LLC  
3655 Brookside Parkway, Suite 550  
Alpharetta, GA 30022  
Chris Russell  
703-650-8465
- Power:**
- Dominion Virginia Power  
701 E. Cary St.  
Richmond, VA 23219  
Andrew Brooks  
Underground Damage Prevention Manager  
Dominion Emergency Preparedness Center  
804-771-3655  
Andrew.Brooks@dom.com
- Level (3) Communications, LLC  
1755 Old Meadow Rd  
McLean, VA 22102  
Chris Baker  
540-222-6598
- Gas:  
Washington Gas  
6801 Industrial Road  
Springfield, VA 22151  
703-750-1000

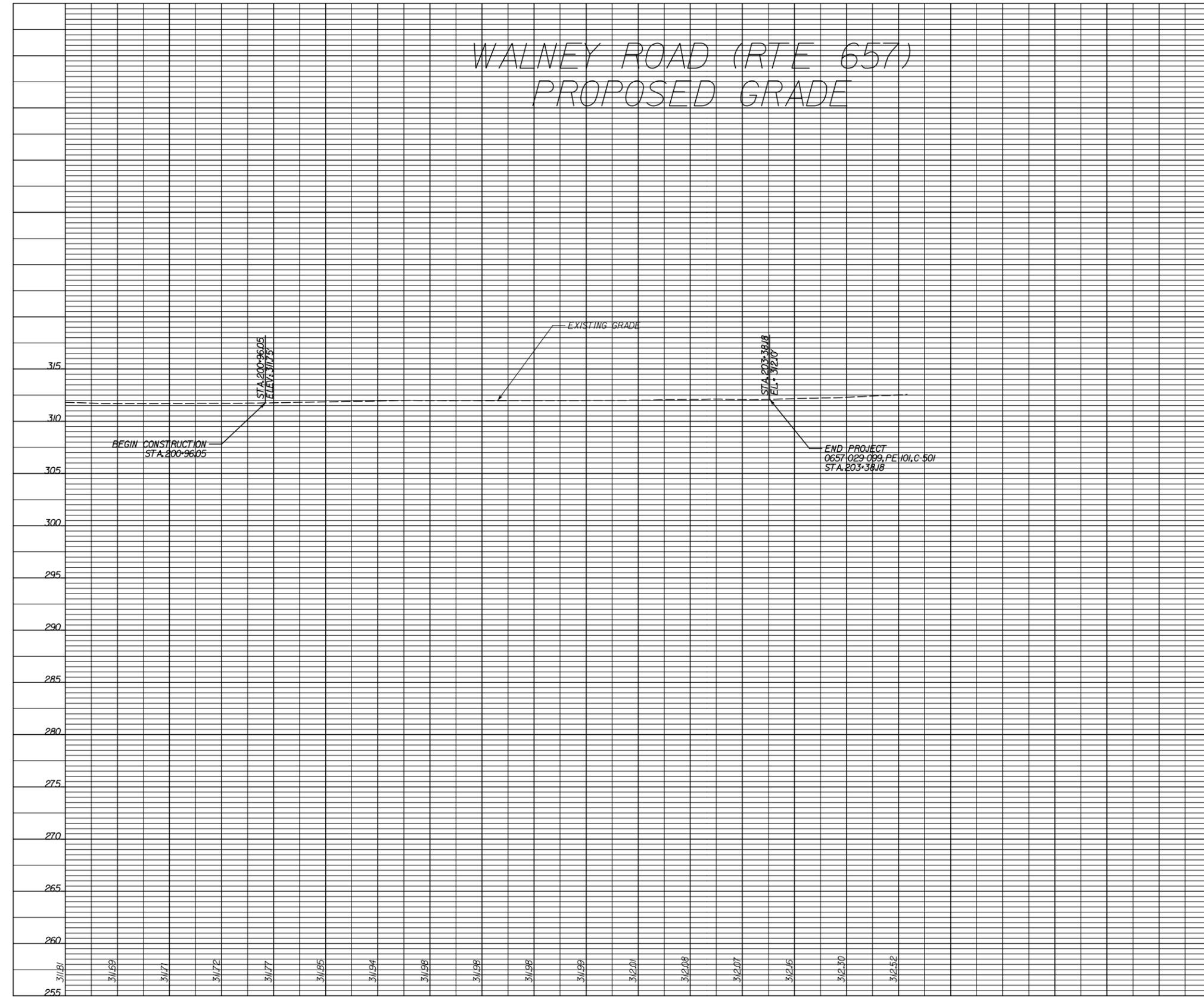
PROJECT	SHEET NO.
0657-029-099	8

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	657		0657-029-099, PE-101 RW-201, C-501, B-641	8A

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

Whitman, Reardon & Associates  
Fairfax, Virginia  
ROADWAY ENGINEER

# WALNEY ROAD (RTE 657) PROPOSED GRADE



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

200+00.00      201+00.00      202+00.00      203+00.00      204+00.00

PROJECT	SHEET NO.
0657-029-099	8A

4.2.3 Conceptual Bridge Plans

STATE	FEDERAL AID	STATE	SHEET NO.
VA.	BR-5401(795)	657	0657-029-099, B641
NBIS Number:	00000000029031	UPC No.	104103
Federal Oversight Code:	NFO	FHWA Construction and Scour Code:	X080-S7

**DESIGN EXCEPTION(S):**

**GENERAL NOTES:**

Width: 78'-0" face-to-face of rails.  
Span layout: 73'-2 1/4" prestressed concrete box beam span  
Capacity: HL-93 loading.  
Drainage area: 5.60 sq. mi.  
Specifications:  
Construction: Virginia Department of Transportation Road and Bridge Specifications, 2007.  
Design: AASHTO LRFD Bridge Design Specifications, 6th Edition, 2012 and VDOT Modifications.  
Standards: Virginia Department of Transportation Road and Bridge Standards, 2008.

These plans are incomplete unless accompanied by the Supplemental Specifications and Special Provisions included in the contract document.

Design loading includes 10 psf allowance for construction tolerances and construction methods. Design loading includes 15 psf allowance for the future wearing surface.

Concrete in superstructure shall be Class A4; in sidewalks, rails, terminal walls, and integral backwall in superstructure, Class A4; in substructure, Class A3.

Prestressed concrete in beams shall be Class A5 having a minimum compressive cylinder strength at 28 days equal to 7000 psi and a minimum compressive cylinder strength at time of release of strands equal to 5600 psi.

Low permeability concrete shall be used in this project.

All reinforcing steel shall be deformed and shall conform to ASTM A615, Grade 60 except for reinforcing steels noted as CRR (corrosion resistant reinforcing) which shall conform to applicable specifications noted in the special provisions. All reinforcing bar dimensions on the detailed drawings are to centers of bars except where otherwise noted and are subject to fabrication and construction tolerances.

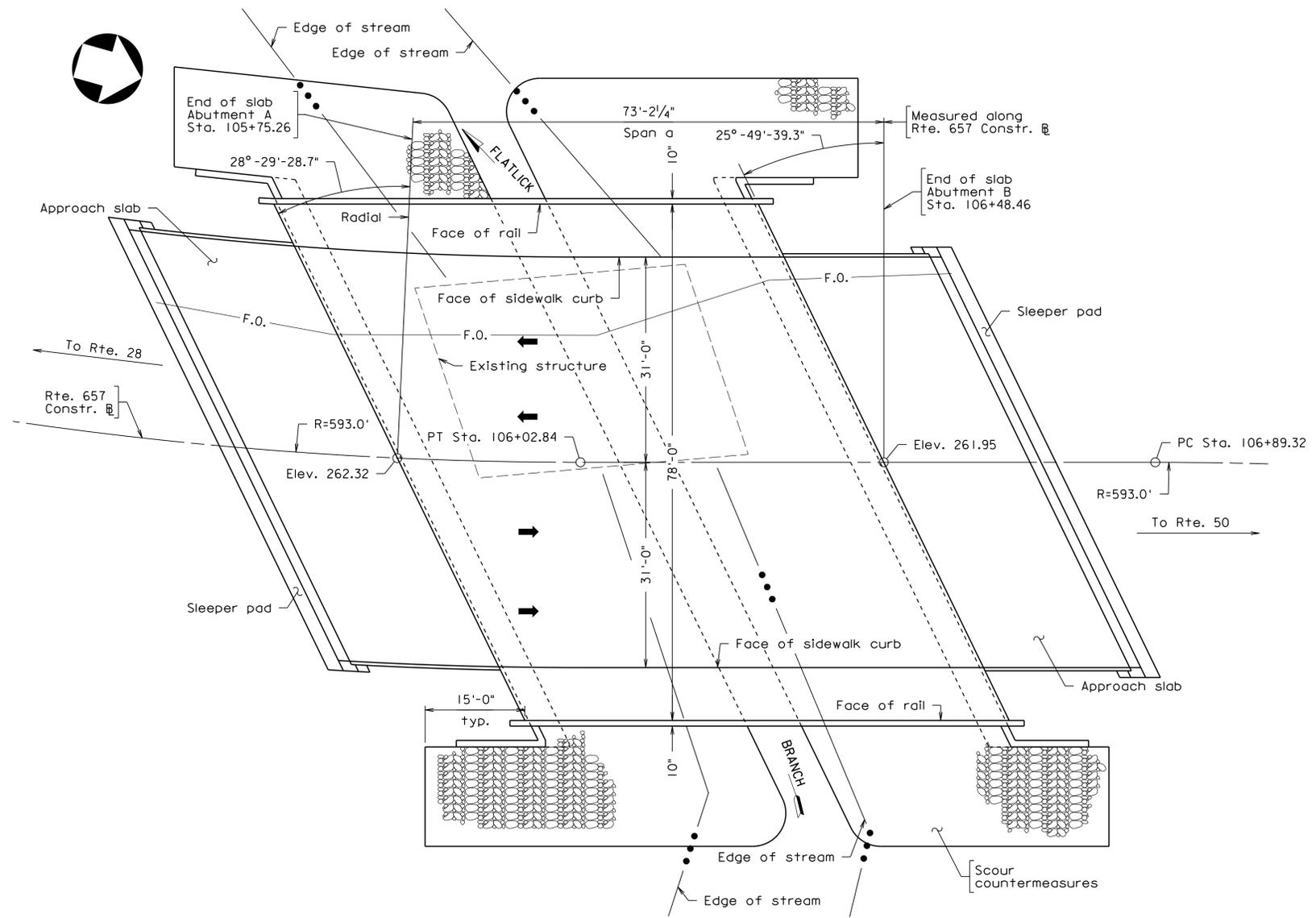
Corrosion resistant reinforcing (CRR) steels shall conform to one or more of the three Classes listed in the special provision. The minimum yield strength shall be: 100 ksi for low carbon/chromium and 60 ksi for stainless clad steel or solid stainless steel. The Classes of CRR steels required on this project are noted on the plan sheets and in the reinforcing steel schedule. Corrosion Resistant Reinforcing Steel, Class II or Class III may be substituted for Class I. Corrosion Resistant Reinforcing Steel, Class III, may be substituted for Class II.

Prestressing strands shall be uncoated, seven-wire, low-relaxation steel strands conforming to ASTM A416 Grade 270.

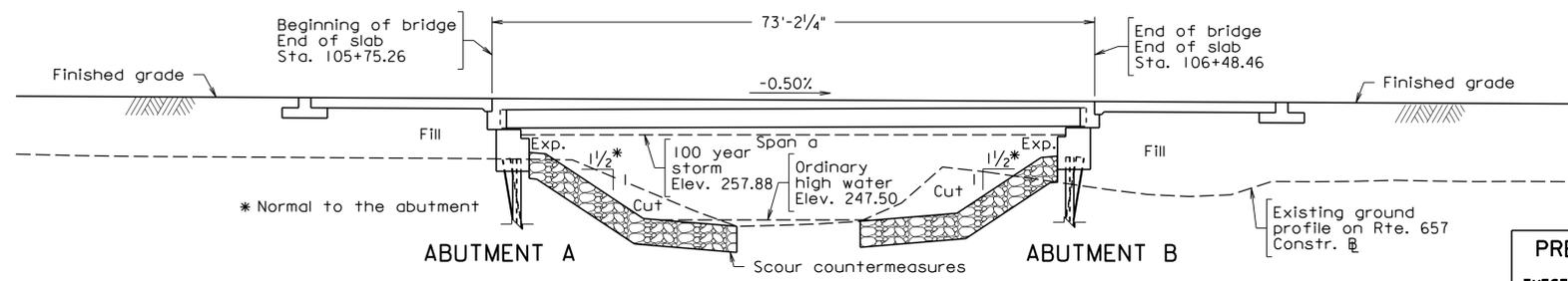
H-Piles 12x53 have a design capacity of 70 tons per pile and shall be driven to refusal.

Bridge No. of existing bridge is 6066.

The existing structure is designated a Type B structure in accordance with Sec. 411.



**PLAN**



**DEVELOPED SECTION ALONG RTE. 657 CONSTR. B**

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION
VDOT PROJECT MANAGER
DISTRICT CONSTRUCTION MANAGER
WHITMAN REQUARDT & ASSOCIATES RICHMOND, VA STRUCTURAL ENGINEER
PLANS BY:
COORDINATED:
SUPERVISED:
DESIGNED:
DRAWN:
CHECKED:

**PRELIMINARY PLANS**  
**THESE PLANS NOT TO BE USED FOR CONSTRUCTION**

No.	Description	Date
REVISIONS		
For Table of Revisions, see Sheet 2.		

Recommended for Approval: \_\_\_\_\_ Date \_\_\_\_\_  
State Structure and Bridge Engineer

Approved: \_\_\_\_\_ Date \_\_\_\_\_  
Chief Engineer

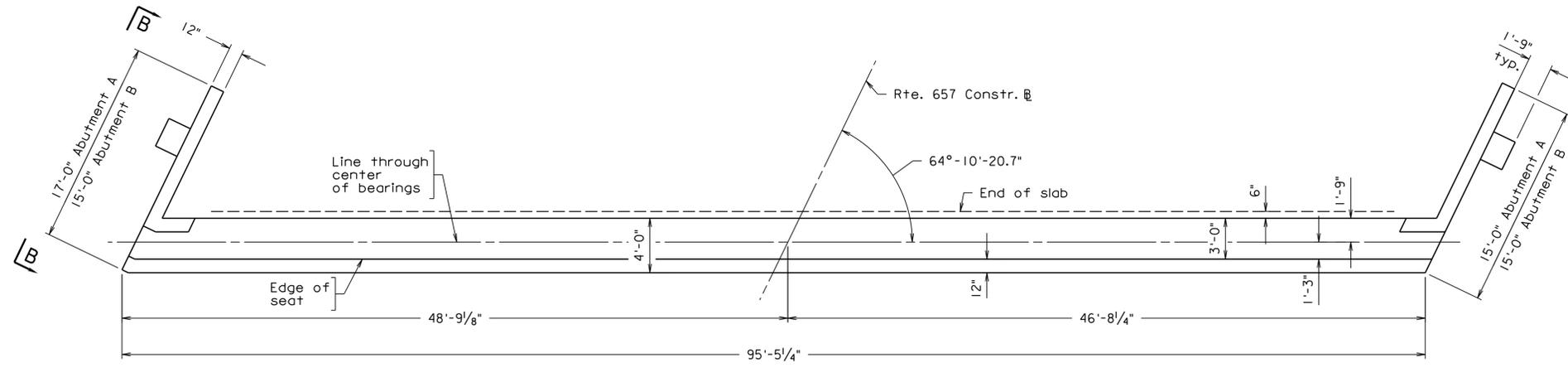
Date: \_\_\_\_\_ © 2013, Commonwealth of Virginia Sheet 1 of 3

Scale: 3/32" = 1'-0" unless otherwise noted.

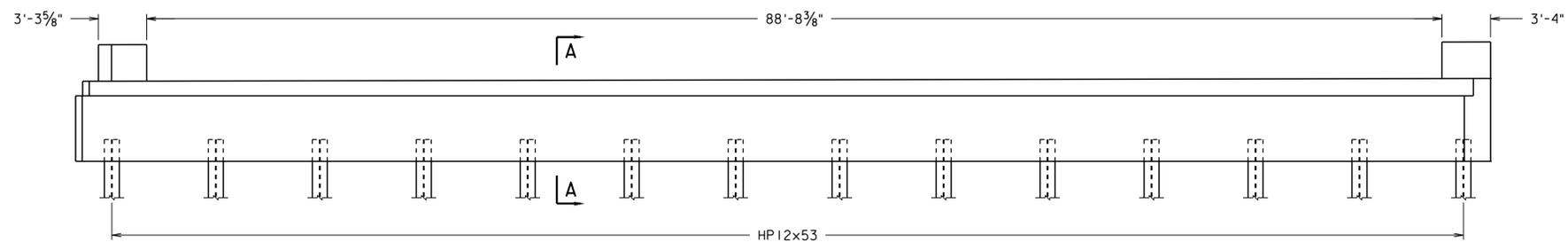
**COMMONWEALTH OF VIRGINIA**  
**DEPARTMENT OF TRANSPORTATION**  
**PROPOSED BRIDGE REPLACEMENT ON**  
**RTE. 657 (WALNEY ROAD) OVER FLATLICK BRANCH**  
**FAIRFAX CO. - 1.0 MI. S. OF RTE. 50**  
**PROJ. 0657-029-099, B641**



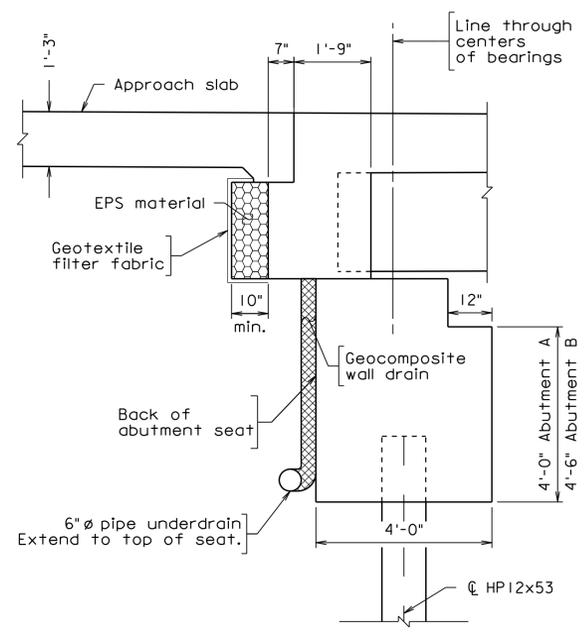
STATE	FEDERAL AID	STATE	SHEET
ROUTE	PROJECT	ROUTE	NO.
VA.		657	2
		0657-029-099, B641	



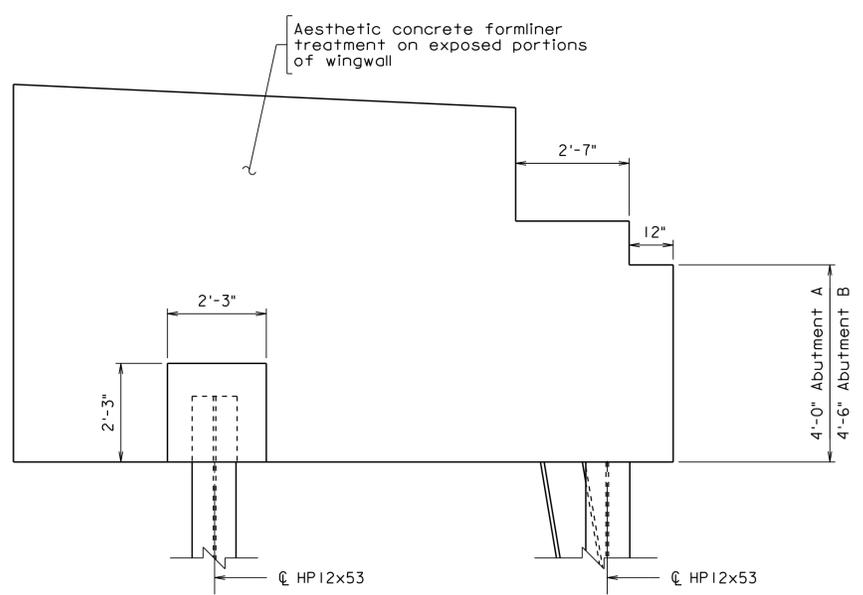
**PLAN**  
(Abutment B shown, Abutment A similar.)



**ELEVATION**  
(Abutment B shown, Abutment A similar.)



**SECTION A-A**  
Scale: 1/2" = 1'-0"



**VIEW B-B**  
Typical Wingwall  
Scale: 1/2" = 1'-0"

Scale: 3/16" = 1'-0" unless otherwise noted.

**PRELIMINARY PLANS**  
**THESE PLANS NOT TO BE USED FOR CONSTRUCTION**

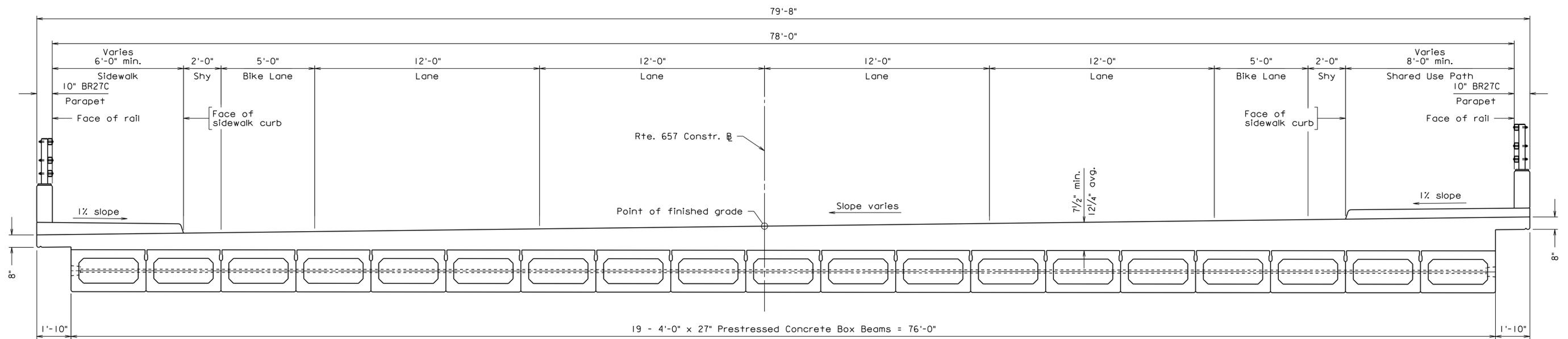
Note:

Piles adjacent to existing fiber optic duct to be installed through prebored holes and/or other approved measures coordinated with the utility owner.

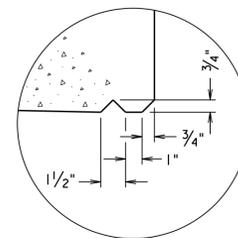
WHITMAN REQUARDT & ASSOCIATES  
RICHMOND, VA  
STRUCTURAL ENGINEER

			COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION			
			STRUCTURE AND BRIDGE DIVISION			
			<b>ABUTMENT</b>			
No.	Description	Date	Designed: WR&A...	Date	Plan No.	Sheet No.
			Drawn: WR&A...	Dec. 2013	287-32	2 of 3
			Checked: WR&A...			
Revisions						

STATE	FEDERAL AID		STATE		SHEET NO.
ROUTE	PROJECT		ROUTE	PROJECT	
VA.	—	—	657	0657-029-099, B641	3



TRANSVERSE SECTION



DRIP DETAIL

**PRELIMINARY PLANS**  
**THESE PLANS NOT TO BE USED FOR CONSTRUCTION**

Scale: 3/8" = 1'-0" unless otherwise noted.

© 2013, Commonwealth of Virginia

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION			
STRUCTURE AND BRIDGE DIVISION			
<b>TRANSVERSE SECTION</b>			
No.	Description	Date	Revisions
Designed: WR&A...	Drawn: WR&A...	Checked: WR&A...	Date: Dec. 2013
Plan No.	Sheet No.		
287-32	3 of 3		

WHITMAN REQUARDT & ASSOCIATES  
 RICHMOND, VA  
 STRUCTURAL ENGINEER



Activity ID	Activity Name	Original Duration	Total Float	Start	Finish	Calendar	2014												2015												2016	
							Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
<b>Walney Road Bridge Replacement and Road Widening DB</b>		463	0	18-Feb-14	11-Dec-15		▼ 11-Dec-15, Summary																									
<b>Entire Project</b>		463	0	18-Feb-14	11-Dec-15		▼ 11-Dec-15, Summary																									
<b>Milestones</b>		463	0	18-Feb-14	11-Dec-15		▼ 11-Dec-15, Summary																									
G00001	Notice To Proceed	0	3	18-Feb-14*		7 Day Review/Cure	◆ Notice To Proceed																									
G00010	Construction Start	0	34	26-Dec-14		7 Day Review/Cure	◆ Construction Start																									
G00020	Begin Walney Road Closure	0	165	01-May-15		7 Day Review/Cure	◆ Begin Walney Road Closure																									
G00030	End Walney Road Closure	0	45		28-Aug-15	7 Day Review/Cure	◆ End Walney Road Closure																									
G00040	Project Substantial Completion	0	0		12-Oct-15	7 Day Review/Cure	◆ Project Substantial Co																									
G00050	Project Final Completion	0	0		11-Dec-15	7 Day Review/Cure	◆ Project Fina																									
<b>Preconstruction Activities</b>		115	348	18-Feb-14	30-Jul-14		▼ 30-Jul-14, Preconstruction Activities																									
G01010	Mobilization Payment 1	30	403	18-Feb-14	31-Mar-14	*Standard 5 Day Workweek	■ Mobilization Payment 1																									
G01020	Scope Validation Period	120	176	18-Feb-14	17-Jun-14	7 Day Review/Cure	■ Scope Validation Period																									
G01030	Mobilization Payment 2	30	403	01-Apr-14	12-May-14	*Standard 5 Day Workweek	■ Mobilization Payment 2																									
G01040	Scope Validation Negotiations	30	122	18-Jun-14	30-Jul-14	*Standard 5 Day Workweek	■ Scope Validation Negotiations																									
G01050	Scope Validation Agreement Reached	0	122		30-Jul-14	*Standard 5 Day Workweek	◆ Scope Validation Agreement Reached																									
<b>Project Support</b>		463	0	18-Feb-14	11-Dec-15		▼ 11-Dec-15, Summary																									
G02010	General Conditions: Survey through Substantial Completion	602	0	18-Feb-14	12-Oct-15	7 Day Review/Cure	■ General Conditions: Survey through Substantial Completion																									
G02020	General Conditions: Project Management through Final Completion	463	0	18-Feb-14	11-Dec-15	*Standard 5 Day Workweek	■ General Conditions: Project Management through Final Completion																									
G02030	General Conditions: QA/QC through Final Completion	463	0	18-Feb-14	11-Dec-15	*Standard 5 Day Workweek	■ General Conditions: QA/QC through Final Completion																									
G02040	Set Up Project Offices	20	217	18-Feb-14	17-Mar-14	*Standard 5 Day Workweek	■ Set Up Project Offices																									
G02050	Mobilization	10	20	02-Jan-15	15-Jan-15	*Standard 5 Day Workweek	■ Mobilization																									
<b>Project Closeout</b>		67	0	10-Sep-15	11-Dec-15		▼ 11-Dec-15, Summary																									
G05010	Punchlist/Cleanup for Substantial Completion	23	0	10-Sep-15	12-Oct-15	Standard 5 Day Workweek	■ Punchlist/Cleanup for																									
G05020	Final Punchlist/Demobilization	60	0	12-Oct-15	11-Dec-15	7 Day Review/Cure	■ Final Punch																									
G05030	Closeout Documentation	60	0	12-Oct-15	11-Dec-15	7 Day Review/Cure	■ Closeout Doc																									
<b>Preconstruction - Design</b>		217	78	18-Feb-14	26-Dec-14		▼ 26-Dec-14, Preconstruction - Design																									
<b>Design</b>		217	78	18-Feb-14	26-Dec-14		▼ 26-Dec-14, Design																									
<b>General Conditions</b>		0	3	18-Feb-14	18-Feb-14		▼ 18-Feb-14, General Conditions																									
G03010	Design Start	0	3	18-Feb-14		7 Day Review/Cure	◆ Design Start																									
<b>Survey</b>		51	10	18-Feb-14	29-Apr-14		▼ 29-Apr-14, Survey																									
G03020	Send Survey Notification Letters	10	10	18-Feb-14	03-Mar-14	*Standard 5 Day Workweek	■ Send Survey Notification Letters																									
G03030	Recover Survey Control	3	10	04-Mar-14	06-Mar-14	*Standard 5 Day Workweek	■ Recover Survey Control																									
G03040	Supplemental Field Survey	3	10	07-Mar-14	11-Mar-14	*Standard 5 Day Workweek	■ Supplemental Field Survey																									
G03050	Supplemental Utility Designation/Location	2	10	12-Mar-14	13-Mar-14	*Standard 5 Day Workweek	■ Supplemental Utility Designation/Location																									
G03060	Topo Verification (SWM Basin, Roadway Tie-ins)	3	10	14-Mar-14	18-Mar-14	*Standard 5 Day Workweek	■ Topo Verification (SWM Basin, Roadway Tie-ins)																									
G03070	Computer Work and DTM Prparation	10	10	19-Mar-14	01-Apr-14	*Standard 5 Day Workweek	■ Computer Work and DTM Prparation																									
G03080	Verify/Review RFP Design	20	10	02-Apr-14	29-Apr-14	*Standard 5 Day Workweek	■ Verify/Review RFP Design																									
<b>Right of Way Acquisition</b>		217	20	18-Feb-14	26-Dec-14		▼ 26-Dec-14, Right of Way Acquisition																									
G03090	Property/ROW Research	5	3	18-Feb-14	24-Feb-14	*Standard 5 Day Workweek	■ Property/ROW Research																									
G03100	Prepare ROW Acquisition Plan	60	3	25-Feb-14	19-May-14	*Standard 5 Day Workweek	■ Prepare ROW Acquisition Plan																									
G03110	SFA Right of Way Acquisition Plan	5	25	20-May-14	27-May-14	*Standard 5 Day Workweek	■ SFA Right of Way Acquisition Plan																									
G03120	R/A Right of Way Acquisition Plan	21	35	27-May-14	17-Jun-14	7 Day Review/Cure	■ R/A Right of Way Acquisition Plan																									
G03130	Prepare ROW Acquisition Plats	10	24	18-Jun-14	01-Jul-14	*Standard 5 Day Workweek	■ Prepare ROW Acquisition Plats																									
G03140	Complete Title Research	10	24	18-Jun-14	01-Jul-14	*Standard 5 Day Workweek	■ Complete Title Research																									
G03150	Mail Notification to Property Owners	7	58	01-Jul-14	08-Jul-14	7 Day Review/Cure	■ Mail Notification to Property Owners																									
G03160	Submit Appraisals to VDOT	30	35	01-Jul-14	31-Jul-14	7 Day Review/Cure	■ Submit Appraisals to VDOT																									

■ Remaining Level of Effort   
 ■ Actual Work   
 ■ Critical Remaining Work   
 ▼ Summary  
■ Actual Level of Effort   
 ■ Remaining Work   
 ◆ Milestone















**American Infrastructure-VA, Inc.**  
301 Concourse Blvd.  
Suite 300  
Glen Allen, VA 23059  
804-290-8500



**Whitman, Requardt & Associates, LLP**  
3701 Pender Drive  
Suite 450  
Fairfax, VA 22030  
703-293-9717

