



Volume I Letter of Submittal and Attachments

A DESIGN-BUILD PROJECT

Gloucester Parkway Extension

From: Loudoun County Parkway

To: Pacific Boulevard

Loudoun County, Virginia

State Project No.: 2150-053-052

Contract ID No.: C00104418DB68

Date: January 16, 2014



Identification of Existing and Proposed Utilities in Construction Area

- A 24" Loudoun Water Pipe
- B 10" Loudoun Water Pipe
- C 2" Existing Gas Pipe
- D 8" Sewer Pipe
- E Verizon Cable Line
- F Proposed 72" Sanitary Sewer
- G Dulles Interceptor 54"
- H Reclaimed Water
- I Existing Gas Lines
- J Existing Sewer



4.0.1.1

LOS Checklist

ATTACHMENT 4.0.1.1
GLOUCESTER PARKWAY EXTENSION
PROJECT NO. 2150-053-052
LETTER OF SUBMITTAL AND ATTACHMENTS CHECKLIST

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

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

ATTACHMENT 4.0.1.1
GLOUCESTER PARKWAY EXTENSION
PROJECT NO. 2150-053-052
LETTER OF SUBMITTAL AND ATTACHMENTS CHECKLIST

Letter of Submittal Component	Form (if any)	RFP Part 1 Cross Reference	Page Reference
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
Attachments to the Letter of Submittal	NA	Section 4.2	
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 4.2.1	Page 3
Organizational chart with any updates since the SOQ submittal clearly identified	NA	Section 4.2.1	Page 5
Revised narrative when organizational chart includes updates since the SOQ submittal	NA	Section 4.2.1	Page 3-4
Conceptual Roadway Plans – Plan View	NA	Section 4.2.2	Section 4.2.2
Conceptual Roadway Plans – Typical Sections	NA	Section 4.2.2	Section 4.2.2
Conceptual Structural Plans – Elevation View	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
GLOUCESTER PARKWAY EXTENSION
PROJECT NO. 2150-053-052
LETTER OF SUBMITTAL AND ATTACHMENTS CHECKLIST

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 - 18
Proposal Schedule in electronic format (CD- or DVD-ROM)	NA	Section 4.2.4	

Attachment 3.6

Form C-78-RFP

ATTACHMENT 3.6

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION**

RFP NO. C00104418DB68
PROJECT NO.: 2150-053-052

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 August 29, 2013 – RFP
(Date)

2. Cover letter of December 19, 2013 – Addendum #1
(Date)

3. Cover letter of _____
(Date)



SIGNATURE

11/7/14
DATE

Aaron T. Myers
PRINTED NAME

VP/GM
TITLE

4.1

Letter of Submittal

301 Concourse Boulevard, Suite 300
Glen Allen, VA 23059
Phone: 804-290-8500 Fax: 804-418-7935
www.americaninfrastructure.com

January 16, 2014

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

Letter of Submittal/Request for Proposals:
Gloucester Parkway Extension
State Project No.: 2150-053-052
Contract ID Number: C00104418DB68

Dear Mr. Reichert,

American Infrastructure (AI) and Whitman, Requardt & Associates, LLP (AI/WR&A Team) are pleased to present our Letter of Submittal and Attachments to the Virginia Department of Transportation (VDOT) for the Gloucester Parkway Extension 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 Gloucester Parkway Extension 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 are submitted to VDOT on January 16, 2014.
- 4.1.4** The contact information for Aaron Myers (DBPM), responsible for the oversight of the entire AI/WR&A Team and the primary point of contact with VDOT is as follows:

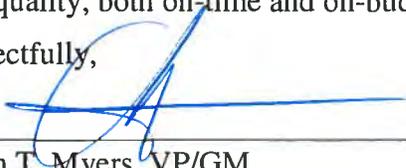
Aaron Myers, VP/GM	804.290.8500 (Telephone)
301 Concourse Boulevard – Suite 300	804.418.7935 (Fax)
Glen Allen, VA 23059	aaron.myers@americaninfrastructure.com
- 4.1.5** The principal officer of AI-VA with whom a design-build contract with VDOT would be written is:

Aaron Myers, VP/GM	804.290.8500 (Telephone)
301 Concourse Boulevard – Suite 300	804.418.7935 (Fax)
Glen Allen, VA 23059	aaron.myers@americaninfrastructure.com
- 4.1.6** The AI/WR&A Team proposes the following Final Completion Date.
Final Completion: August 5, 2016
- 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 is fully compliant with the Design Criteria Table included in the RFP Technical Requirements (Part 2, Section 2.3) and all other requirements of this RFP. The proposed limits of construction are located within the right-of-way limits shown on the RFP plans with the exception of temporary construction, permanent drainage, and utility easements (other than permanent drainage easements for stormwater management facilities). 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 6% 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.

The AI/WR&A Team is committed to delivering the Gloucester Parkway Extension Project to VDOT with high quality, both on-time and on-budget.

Respectfully,



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

4.2.1

Organizational Chart and Narrative

The organizational chart and Key Personnel contained in the SOQ remains true and accurate except for one change to the key personnel. A change in personnel was requested for the Quality Assurance Manager identified in our SOQ due to that individual leaving the employment of their respective firm. This change was approved in a letter from VDOT dated October 18, 2013. The following organizational chart and narrative have 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 NARRATIVE

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 PR Manager will facilitate involvement of stakeholders to minimize additional effort needed by VDOT.

Design-Build Management – Our DBPM will serve as VDOT’s single point of contact for the Project. Reporting to the DBPM are four primary reports; the QAM, DM, CM and PR 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.

Volkert & Associates, Inc. (Volkert) will subcontract with AI to provide QA services for the Project. Volkert has 35 professionals dedicated to QA/QC and experienced with VDOT’s road and bridge standards and specifications. In addition, Vokert’s QAM for the Project has recent QA experience on experience as QAM on two of AI’s design-build projects for VDOT, specifically *Middle Ground Boulevard and Route 29 NBL Bridge over the Tye River*. **Froehling & Robertson, Inc (F & R)** will provide QA testing and will subcontract with Volkert.

Design – Our DM will report to the DBPM and coordinate with both the DBPM and CM to develop a cost-effective, efficient, and constructible design. He will also coordinate with the CM during construction to confirm field conditions meet design assumptions and reevaluate these assumptions if necessary.

The Design QA/QC Manager and design discipline leads will report to our DMPM. Design QA/QC Manager, **Gary Shelor, P.E.**, will provide overall quality assurance and quality control for the Project. Mr. Shelor is a former VDOT District Bridge Engineer with over 39 years of experience. In addition to the design task leads, we have identified a Lead Utility Coordinator for the Project. The Lead Utility Coordinator, Daniel Seli, P.E. will coordinate with the utilities and work with design task leads to minimize utility impacts and incorporate utility requirements into the design.

WR&A will complete all design efforts, except surveying and ROW acquisition for the Project. **Bowman Consulting Group, LTD. (Bowman)** will be subcontracted to WR&A to provide surveying and ROW acquisition services. Their staff has expertise with land rights issues and managing ROW agents, appraiser, title companies and survey crews. Bowman’s experience in Northern Virginia includes working with WR&A on VDOT’s *Route 1/123 Interchange at Route 1 project* in Prince William County, performing the ROW acquisition of over 90 parcels.

Relevant Design Team Experience		
<p><i>Roadway Design Lead, Bruce Barnett, P.E. has over 23 years of experience and has completed more than 90 assignments under the NOVA District On-Call Design Contract over the last five years.</i></p>	<p><i>Lead Utility Coordinator, Daniel Seli, P.E. has over 25 years of experience and has served as the Project Manager for the VDOT Statewide and NOVA Utility Relocation contracts since 1994.</i></p>	<p><i>Hydraulic Design Lead, David Gertz, P.E. has 34 years of experience and has completed over 50 floodplain analyses for bridge projects. He is currently completing analysis for this segment of Broad Run for the Horsepen Dam project.</i></p>

Figure 3.3.2: Design Team Experience. *WR&A design leads for roadway, utilities, and hydraulics bring experience in their areas of expertise and previous work history with VDOT’s NOVA District.*

Construction – The CM will report to the DBPM and communicate directly with the PR Manager 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 the Bridge Superintendent and Roadway Superintendent, who will oversee construction crews in the field. Construction leads have been identified for environmental compliance, MOT coordination, field utility coordination, safety, and schedule management and will all report to the CM.

Construction Quality Control will be managed by WR&A to ensure construction is compliant with the final design and VDOT specifications. WR&A is currently providing QC services to VDOT on six Construction Engineering and Inspection contracts including two contracts in the VDOT NOVA District. QCM, **Brian Henschel, P.E., CCM, PMP** has over 17 years of experience and is currently working on two design-build projects, *GMU Campus Drive Connector Route 123 Bridge and Improvements* and the *Route 636 over BBRR PPTA* projects. Mr. Henschel also has 6 years of experience at VDOT as a Design-Build Project Manager, where he worked directly with AI on the *Route 29 over Tye River Bridge* project.

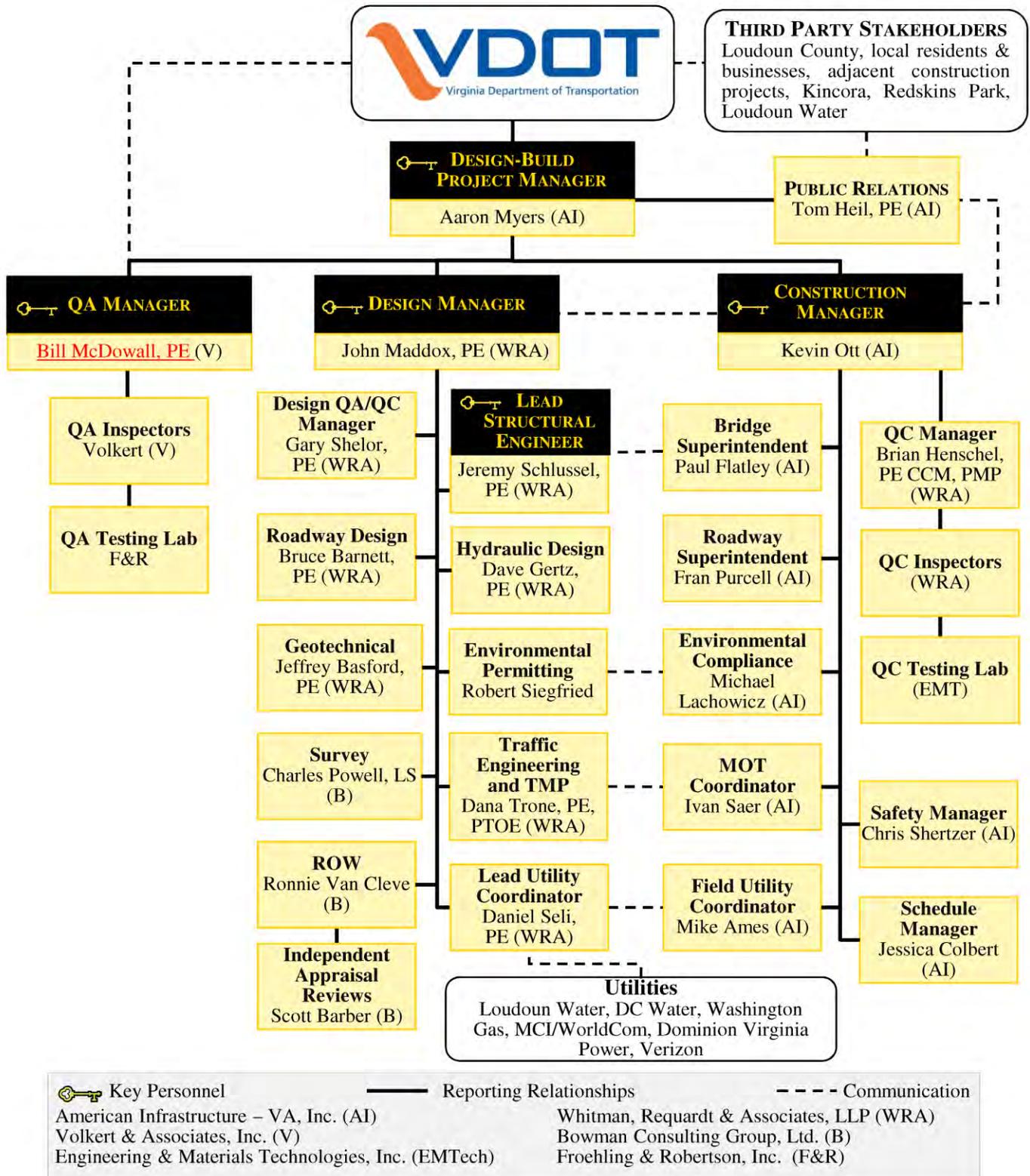
Engineering & Materials Technologies, Inc. (EM Tech) will provide QC testing for this Project. EM Tech is experienced in QC testing and has previously provided QA testing services with *WR&A for the GMU Campus Drive Connector Route 123 Bridge and Improvements* project.

Relevant Construction Team Experience		
<p><i>Bridge Superintendent, Paul Flatley has over 12 years of experience and oversaw construction of VDOT’s Route 29 NBL Bridge over Tye River Design-Build project. The Tye River project was opened to traffic nine months ahead of schedule.</i></p>	<p><i>Environmental Compliance Construction Lead, Michael Lachowicz will manage erosion and sediment controls during construction through weekly SWPPP inspections and daily site observations. His experience includes Potomac Yards Jefferson David Highway Improvements.</i></p>	<p><i>Field Utility Coordinator, Mike Ames has been responsible for several large utility installation and relocations projects. His experience includes coordination of over 2 miles of 60" sanitary trunk line to upgrade the Lorton (Pohick) waste water treatment plant.</i></p>

Figure 3.3.3: Construction Team Experience. *AI’s bridge superintendent, environmental compliance lead, and field utility coordinator will manage the Project’s construction risks through previous experience in their project assignments.*

ORGANIZATIONAL CHART

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



4.2.4.2

Proposal Schedule Narrative

PROPOSAL SCHEDULE NARRATIVE

The AI Team has thoroughly evaluated the Project RFP documents, performed site visits of the existing roads and area, attended pre-proposal meetings, and performed internal brainstorming sessions to fully assess the associated design, right-of-way impacts, construction, geotechnical constraints 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 August 5, 2016. 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 the Project on schedule. The Proposal Schedule in its entirety can be found in Section 4.2.4.1 of Volume II.

OVERALL SEQUENCING

The baseline plan integrates all design disciplines into a Work Breakdown Structure (WBS) that addresses the milestones of the Gloucester Parkway Extension 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 Package, Area, Sub-Areas and Phasing. The AI Team has defined the following Phase and Area breakdowns:

AREA & MOT PHASING

The AI Team has broken the work down into five major areas of work as described below and has included a section for activities that affect the entire project. As is typical with the Design-Build delivery method, some of the preconstruction phases will overlap with the construction phases to shorten the overall duration of the Project.

Entire Project: This section includes all of the non-construction activities, as well as activities that encompass the entire project. These have been broken up into the following 7 categories:

1. **Project Milestones:** This section encompasses the key milestones on the Project.
2. **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. This section also includes permitting activities as well as activities associated with the planning, approval and acquisition of any affected properties.
3. **Pre-Construction:** This section includes general submittals that are required as well as those associated with Contract Submittals and Construction Working Drawings. It also includes the activities to procure vendors and materials and activities that make up Scope Validation.
4. **Project Support:** This section contains activities that involve coordination with public and private utilities such as Dominion Virginia Power, Washington Gas, Verizon and Loudoun Water. It also includes activities for preparatory meetings and project start-up.
5. **Project Finishes:** This section includes activities to finalize the Project.
6. **MOT / Traffic Switches:** This section contains all activities for traffic control.
7. **Project-Wide:** This section encompasses activities that extend across the entire Project.

Roadway Area 1: Roadway Area 1 consists of the new section of Gloucester Parkway from stations 103+00 to 135+00. This portion of the work will be constructed exclusive from any other areas of roadway on the Project.

Bridges over Broad Run: This work includes the twin bridges over Broad Run and will be constructed in conjunction with the Roadway Area 1 work.

Roadway Area 2: This is all of the work related to the widening and reconstruction of the northbound lanes of the Loudoun County Parkway. This work will commence at the start of construction.

Roadway Area 3: This area includes all of the work related to the widening and reconstruction of the southbound lanes of the Loudoun County Parkway and Gloucester Parkway West. This will start following completion of Roadway Area 1.

Roadway Area 4: This area is the intersection of Gloucester Parkway and Pacific Boulevard. This work will follow the completion of Roadway Area 3.

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 anticipated, the greatest schedule risk and constraint to be in the area of twin bridges over Broad Run.

PROPOSED MEANS AND METHODS

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 proposal, a significant amount of work has already been performed to progress the project schedule once NTP is provided.

Various contributing factors were evaluated 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. The ultimate goal is to have consistent work flow throughout the Project.

The AI Team has taken into account the requirements of Article 6 of the General Conditions of Contract (Part 4) when developing the WBS list of activities. Upon award, a cost and resource loaded Project Schedule will be provided by the AI Team within the timeframe required in the RFP and will be maintained by our Scheduling Manager. The following narrative is a discussion of the design and construction process, the key elements to maintaining our schedule, and a breakdown of the schedule components.

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 elements of work where possible and establish all of our controls in executing the work according to our schedule. To control the schedule during design phase, the AI Team plans to expedite the design of the Project into sub packages: 1) Right-of-Way; 2) Erosion and Sediment Control Plans; 3) Grading, Drainage; 4) Transportation Management Plan and MOT Plans; and 5) 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 MOT and demolition 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, the E&S operations cannot proceed without appropriate MOT Controls. MOT design will require sufficient detail to establish proper controls. Since the Project overlays existing roadways, MOT will need to be approved prior to implementation of the E&S or G&D plan at those locations. 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 Design-Build team plans to proactively coordinate with the local municipalities during the Design process to prevent delay or impacts.

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 commence as soon as the final pavement section design is approved.

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.

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 near the critical path with the *Receiving Right-of-Way Clearances* activity only having 11 days of float and the *Prepare Right-of-Way Acquisition Plan*, *SFA Right-of-Way Acquisition Plan*, and *Prepare ROW Acquisition Plans* activities only having 13 days of float. Because these activities are near critical, a major focus will be placed on the right-of-way process from the time of Notice of Intent to Award.

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. We believe there are opportunities in our design to minimize the impacts that have been identified, thereby, making the approval/permitting process easier and more palatable.

Utilities: Private utilities along the Project are a significant risk to the Project Schedule. The start of excavation for the road widening along Loudoun County Parkway is dependent upon the relocation of multiple utilities, most notably, Washington Gas. Should there be a delay in the relocation of utilities, the relocation activities will become a part of the Project's critical path. Private utilities owners are under no obligation to expedite their schedule, however we anticipate a cooperative approach based on our established and excellent relationships with the utility companies affected by this Project.

CONSTRUCTION

The construction team will work closely with the design team to monitor progress of Design Approvals. Regular coordination meetings will allow the construction team to proactively monitor which project areas will become available first.

Specifically, the team intends to focus on preconstruction activities necessary to begin the construction of the twin bridges over Broad Run. Another focus for the construction team will be utility relocation and

traffic control. These operations present risks such as worker safety and public safety. AI will maximize its planning and quality control efforts to optimize these operations in all phases.

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 stakeholders 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 identification of potential “rocks-in-the-road”, allowing 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 schedule challenges as early as possible in the Project.

CALENDARS

Based on past experiences with construction scheduling, the AI Team has utilized three 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.

Base 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 getting five days of production per week. If weather impacts the schedule Monday through Friday, Saturdays would be utilized to recover the lost weather days.

Paving Calendar

This calendar shows work taking place five days per week every week except where restricted by standard State Holidays and AI Employee Holidays. Additionally, no work is performed between the 15th of November and the 15th of March. This calendar is used for any activity that includes asphalt paving.

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 Volume I Letter of Submittal and Attachment submission is a CD containing a PDF of the Proposal 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.

EXHIBIT 4.2.4.2A
WORK BREAKDOWN STRUCTURE

WBS Code	WBS Name	Start	Finish	Total Activities
☰ C00104418DB68	Gloucester Parkway Extension Design/Build Project - Loudoun County	19-Mar-14	05-Aug-16	519
☰ C00104418DB68.GO	Entire Project	19-Mar-14	05-Aug-16	187
☰ C00104418DB68.GO.0	Project Milestones	19-Mar-14	05-Aug-16	6
☰ C00104418DB68.GO.1	Design	19-Mar-14	07-Apr-15	57
☰ C00104418DB68.GO.2	Preconstruction Activities	19-Mar-14	11-Sep-15	57
☰ C00104418DB68.GO.3	Project Support	19-Mar-14	20-Jul-16	60
☰ C00104418DB68.GO.4	Project Finishes	11-Jul-16	05-Aug-16	2
☰ C00104418DB68.GO.5	MOT/Traffic Switches	08-Apr-15	12-Apr-16	4
☰ C00104418DB68.GO.6	Project Wide Activities	13-Apr-15	17-Apr-15	1
☰ C00104418DB68.R1	Roadway Area 1 - Gloucester Parkway 103+00 to 135+00	20-Apr-15	05-Aug-16	21
☰ C00104418DB68.R1.1	Gloucester Parkway 103+00 to 120+20	20-Apr-15	05-Aug-16	10
☰ C00104418DB68.R1.2	Gloucester Parkway 130+39 to 135+00	28-Apr-15	25-Jul-16	10
☰ C00104418DB68.B1	Bridges over Broad Run	20-Apr-15	20-Jul-16	282
☰ C00104418DB68.B1.1	General Bridge Activities	20-Apr-15	20-Jul-16	4
☰ C00104418DB68.B1.2	EB Bridge over Broad Run	14-May-15	06-Jul-16	139
☰ C00104418DB68.B1.2.1	Substructure	14-May-15	10-Nov-15	65
☰ C00104418DB68.B1.2.2	Superstructure	11-Nov-15	06-Jul-16	74
☰ C00104418DB68.B1.3	WB Bridge over Broad Run	14-May-15	13-Jul-16	139
☰ C00104418DB68.B1.3.1	Substructure	14-May-15	10-Nov-15	65
☰ C00104418DB68.B1.3.2	Superstructure	17-Nov-15	13-Jul-16	74
☰ C00104418DB68.R2	Roadway Area 2 - Loudoun County Parkway NB	28-Apr-15	11-Aug-15	10
☰ C00104418DB68.R3	Roadway Area 3 - Loudoun County Parkway SB & Gloucester Parkway 100+00 to 10...	19-Aug-15	05-Apr-16	9
☰ C00104418DB68.R4	Roadway Area 4 - Intersection of Gloucester Parkway & Pacific Boulevard	13-Apr-16	08-Jul-16	10

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
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Acronyms:

SFA	Submit for Approval
R/A	Review and Approve
A/C	Additions and Corrections
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
G000NTP	Notice to Proceed	0	0	19-Mar-14	
G000999	Project Final Completion (RFP = 05-AUGUST-2016)	0	0		05-Aug-16
G010020	Send Survey Notification Letters	10	0	19-Mar-14	01-Apr-14
G010150	Prepare Soil Boring Plan	10	0	02-Apr-14	15-Apr-14
G010160	Perform Soil Borings	15	0	16-Apr-14	07-May-14
G010170	Lab Work	20	0	08-May-14	05-Jun-14
G010180	Prepare Geotechnical Report & Recommendations	20	0	06-Jun-14	03-Jul-14
G010190	SFA Geotechnical Report & Recommendations	5	0	07-Jul-14	11-Jul-14
G010390	Prepare Bridge Plans - to VDOT	30	0	04-Aug-14	15-Sep-14
G010400	R/A Bridge Plans - VDOT	21	0	23-Sep-14	13-Oct-14
G010410	A/C Bridge Plans - to VDOT	10	0	14-Oct-14	27-Oct-14
G010420	R/A Bridge Plans - VDOT Final	21	0	28-Oct-14	17-Nov-14
G020400	SFA Foundation Plan for Bridge - Stage 1	10	0	18-Dec-14	08-Jan-15
G020410	R/A Foundation Plan for Bridge - Stage 1	21	0	09-Jan-15	29-Jan-15
G020420	A/C Foundation Plan for Bridge - Stage 2 (Final)	15	0	30-Jan-15	19-Feb-15
G020430	R/A Foundation Plan for Bridge - Stage 2 (Final)	21	0	20-Feb-15	12-Mar-15
G020720	Procure Bridge Material Vendors	20	0	18-Nov-14	17-Dec-14
G020770	Fab/Deliver Bridge Foundation Materials	30	0	13-Mar-15	24-Apr-15
G030130	Preparatory Meeting - Drilled Shafts	1	0	24-Apr-15	24-Apr-15
G030160	Preparatory Meeting - Beam Erection	1	0	05-Nov-15	05-Nov-15
G030190	Preparatory Meeting - Pavement Markings	1	0	08-Jul-16	08-Jul-16
G030200	Preparatory Meeting - Topsoil & Seeding	1	0	21-Jul-16	21-Jul-16
G030210	Preparatory Meeting - Signage	1	0	08-Jul-16	08-Jul-16
B110040	Remove Temporary Access Road - Bridges over Broad Run	5	0	15-Jul-16	21-Jul-16
B121010	Drill Shafts - Abutment A - EB Bridge over Broad Run	12	0	27-Apr-15	12-May-15
B121100	Drill Shafts - Abutment B - EB Bridge over Broad Run	12	0	03-Sep-15	21-Sep-15
B121110	F/R/P Footing - Abutment B - EB Bridge over Broad Run	5	0	22-Sep-15	28-Sep-15
B121120	Cure Footing - Abutment B - EB Bridge over Broad Run	7	0	29-Sep-15	05-Oct-15
B121130	F/R/P Stem - Abutment B - EB Bridge over Broad Run	5	0	06-Oct-15	12-Oct-15
B121140	Cure Stem - Abutment B - EB Bridge over Broad Run	7	0	13-Oct-15	19-Oct-15
B121150	F/R/P Backwall - Abutment B - EB Bridge over Broad Run	3	0	20-Oct-15	22-Oct-15
B121160	Cure Backwall - Abutment B - EB Bridge over Broad Run	7	0	23-Oct-15	29-Oct-15
B121170	Backfill - Abutment B - EB Bridge over Broad Run	5	0	30-Oct-15	05-Nov-15
B121200	Drill Shafts - Pier 1 - EB Bridge over Broad Run	10	0	13-May-15	27-May-15
B121300	Drill Shafts - Pier 2 - EB Bridge over Broad Run	10	0	28-May-15	10-Jun-15
B121400	Drill Shafts - Pier 3 - EB Bridge over Broad Run	10	0	11-Jun-15	24-Jun-15
B121500	Drill Shafts - Pier 4 - EB Bridge over Broad Run	10	0	25-Jun-15	08-Jul-15
B121600	Drill Shafts - Pier 5 - EB Bridge over Broad Run	10	0	09-Jul-15	22-Jul-15
B121700	Drill Shafts - Pier 6 - EB Bridge over Broad Run	10	0	23-Jul-15	05-Aug-15
B121800	Drill Shafts - Pier 7 - EB Bridge over Broad Run	10	0	06-Aug-15	19-Aug-15
B122010	Erect Beams - Span a - EB Bridge over Broad Run	4	0	06-Nov-15	11-Nov-15
B122020	Erect Beams - Span b - EB Bridge over Broad Run	4	0	18-Nov-15	23-Nov-15
B122030	Erect Beams - Span c - EB Bridge over Broad Run	4	0	02-Dec-15	07-Dec-15
B122040	Erect Beams - Span d - EB Bridge over Broad Run	4	0	14-Dec-15	17-Dec-15
B122050	Erect Beams - Span e - EB Bridge over Broad Run	4	0	24-Dec-15	06-Jan-16
B122060	Erect Beams - Span f - EB Bridge over Broad Run	4	0	13-Jan-16	18-Jan-16
B122070	Erect Beams - Span g - EB Bridge over Broad Run	4	0	25-Jan-16	28-Jan-16
B122080	Erect Beams - Span h - EB Bridge over Broad Run	4	0	04-Feb-16	09-Feb-16
B132010	Erect Beams - Span a - WB Bridge over Broad Run	4	0	12-Nov-15	17-Nov-15
B132020	Erect Beams - Span b - WB Bridge over Broad Run	4	0	24-Nov-15	01-Dec-15
B132030	Erect Beams - Span c - WB Bridge over Broad Run	4	0	08-Dec-15	11-Dec-15
B132040	Erect Beams - Span d - WB Bridge over Broad Run	4	0	18-Dec-15	23-Dec-15
B132050	Erect Beams - Span e - WB Bridge over Broad Run	4	0	07-Jan-16	12-Jan-16
B132060	Erect Beams - Span f - WB Bridge over Broad Run	4	0	19-Jan-16	22-Jan-16
B132070	Erect Beams - Span g - WB Bridge over Broad Run	4	0	29-Jan-16	03-Feb-16
B132080	Erect Beams - Span h - WB Bridge over Broad Run	4	0	10-Feb-16	15-Feb-16
B132090	F/R/P End Closure - East - WB Bridge over Broad Run	5	0	26-Feb-16	03-Mar-16
B132100	Cure End Closure - East - WB Bridge over Broad Run	7	0	04-Mar-16	10-Mar-16
B132150	F/R Deck - Span a - WB Bridge over Broad Run	6	0	17-Mar-16	24-Mar-16
B132160	F/R Deck - Span b - WB Bridge over Broad Run	6	0	25-Mar-16	01-Apr-16
B132170	F/R Deck - Span c - WB Bridge over Broad Run	6	0	04-Apr-16	11-Apr-16

TASK filter: Near critical.

Activity ID	Activity Name	Original Duration	Total Float	Start	Finish
B132180	F/R Deck - Span d - WB Bridge over Broad Run	6	0	12-Apr-16	19-Apr-16
B132190	F/R Deck - Span e - WB Bridge over Broad Run	6	0	20-Apr-16	27-Apr-16
B132200	F/R Deck - Span f - WB Bridge over Broad Run	6	0	28-Apr-16	05-May-16
B132210	F/R Deck - Span g - WB Bridge over Broad Run	6	0	06-May-16	13-May-16
B132220	F/R Deck - Span h - WB Bridge over Broad Run	6	0	16-May-16	23-May-16
B132370	Pour Deck - Span h - WB Bridge over Broad Run	1	0	07-Jun-16	07-Jun-16
B132130	Install Tooth Expansion Dam - East - WB Bridge over Broad Run	4	0	11-Mar-16	16-Mar-16
B132530	F/R/P Approach Slab - East - WB Bridge over Broad Run	4	0	16-Jun-16	21-Jun-16
B132540	Cure Approach Slab - East - WB Bridge over Broad Run	7	0	22-Jun-16	28-Jun-16
B132550	F/R/P Approach Slab - West - WB Bridge over Broad Run	4	0	16-Jun-16	21-Jun-16
B132560	Cure Approach Slab - West - WB Bridge over Broad Run	7	0	22-Jun-16	28-Jun-16
B132730	Slipform Parapet - WB Bridge over Broad Run	6	0	29-Jun-16	07-Jul-16
B132740	Groove Deck - WB Bridge over Broad Run	5	0	08-Jul-16	14-Jul-16
G060040	Install Phase 4 MOT Controls	5	0	06-Apr-16	12-Apr-16
R110100	Finish Grade & Stabilize - 103+00 to 120+20 - Gloucester Parkway	11	0	22-Jul-16	05-Aug-16
G010395	SFA Bridge Plans	5	0	16-Sep-14	22-Sep-14
R100000	Complete - Roadway Area 1	0	0		05-Aug-16
R300000	Complete - Roadway Area 3	0	0		05-Apr-16
R400000	Complete - Roadway Area 4	0	0		08-Jul-16
R300070	Place Base & Intermediate Asphalt - Loudoun County Parkway SB & Gloucester ...	10	0	16-Mar-16	29-Mar-16
R400010	Demo / Excavate for Widening - Intersection of Gloucester Parkway & Pacific Bo...	15	0	13-Apr-16	03-May-16
R400020	Install Storm Drainage - Intersection of Gloucester Parkway & Pacific Boulevard	15	0	25-Apr-16	13-May-16
R400030	Finergrade Subgrade - Intersection of Gloucester Parkway & Pacific Boulevard	15	0	04-May-16	24-May-16
R400040	Place Stone Base & Underdrain - Intersection of Gloucester Parkway & Pacific B...	15	0	12-May-16	02-Jun-16
R400050	Install Curb / Median & Backfill - Intersection of Gloucester Parkway & Pacific Bo...	15	0	19-May-16	09-Jun-16
R400060	Install Permanent Signal - Intersection of Gloucester Parkway & Pacific Boulevard	20	0	10-Jun-16	08-Jul-16
R400070	Construct Sidewalk & Multi-use Path - Intersection of Gloucester Parkway & Pacif...	15	0	03-Jun-16	23-Jun-16
R400080	Place Base & Intermediate Asphalt - Intersection of Gloucester Parkway & Pacifi...	5	0	24-Jun-16	30-Jun-16
G040010	Final Paving	20	0	11-Jul-16	05-Aug-16
G040020	Site Finishes	20	0	11-Jul-16	05-Aug-16
R300080	Finish Grade & Stabilize - Loudoun County Parkway SB & Gloucester Parkway W...	5	0	30-Mar-16	05-Apr-16
R400090	Finish Grade & Stabilize - Intersection of Gloucester Parkway & Pacific Boulevard	5	0	01-Jul-16	08-Jul-16
B121900	Drill Shafts - Pier 8 - EB Bridge over Broad Run	10	0	20-Aug-15	02-Sep-15
B122085	Erect Beams - Span i - EB Bridge over Broad Run	4	0	16-Feb-16	19-Feb-16
B132085	Erect Beams - Span i - WB Bridge over Broad Run	4	0	22-Feb-16	25-Feb-16
B132225	F/R Deck - Span i - WB Bridge over Broad Run	6	0	24-May-16	01-Jun-16
B132295	F/R Closure Diaphragms - Spans h - i - WB Bridge over Broad Run	3	0	02-Jun-16	06-Jun-16
B132375	Pour Deck - Span i - WB Bridge over Broad Run	1	0	08-Jun-16	08-Jun-16
B132455	Cure Deck - Span i - WB Bridge over Broad Run	7	0	09-Jun-16	15-Jun-16
B132450	Cure Deck - Span h - WB Bridge over Broad Run	7	1	08-Jun-16	14-Jun-16
G010030	Recover Survey Control	3	2	02-Apr-14	04-Apr-14
G010040	Supplemental Field Survey	10	2	07-Apr-14	18-Apr-14
G010050	Supplemental Utility Designation/Location	10	2	22-Apr-14	05-May-14
G010060	Topo Verification (SWM Basin, Roadway Tie-ins)	10	2	06-May-14	19-May-14
G010070	Computer Work and DTM Preparation	10	2	20-May-14	03-Jun-14
G010200	R/A Geotechnical Report & Recommendations	21	2	12-Jul-14	01-Aug-14
G010360	Prepare Bridge TS&L	20	2	04-Jun-14	01-Jul-14
G010370	SFA Bridge TS&L	5	2	02-Jul-14	09-Jul-14
G010380	R/A Bridge TS&L	21	4	10-Jul-14	30-Jul-14
G030150	Preparatory Meeting - Bridge Deck	1	4	10-Mar-16	10-Mar-16
B131010	Drill Shafts - Abutment A - WB Bridge over Broad Run	12	4	27-Apr-15	12-May-15
B131100	Drill Shafts - Abutment B - WB Bridge over Broad Run	12	4	03-Sep-15	21-Sep-15
B131110	F/R/P Footing - Abutment B - WB Bridge over Broad Run	5	4	22-Sep-15	28-Sep-15
B131130	F/R/P Stem - Abutment B - WB Bridge over Broad Run	5	4	06-Oct-15	12-Oct-15
B131150	F/R/P Backwall - Abutment B - WB Bridge over Broad Run	3	4	20-Oct-15	22-Oct-15
B131170	Backfill - Abutment B - WB Bridge over Broad Run	5	4	30-Oct-15	05-Nov-15
B131200	Drill Shafts - Pier 1 - WB Bridge over Broad Run	10	4	13-May-15	27-May-15
B131300	Drill Shafts - Pier 2 - WB Bridge over Broad Run	10	4	28-May-15	10-Jun-15
B131400	Drill Shafts - Pier 3 - WB Bridge over Broad Run	10	4	11-Jun-15	24-Jun-15
B131500	Drill Shafts - Pier 4 - WB Bridge over Broad Run	10	4	25-Jun-15	08-Jul-15
B131600	Drill Shafts - Pier 5 - WB Bridge over Broad Run	10	4	09-Jul-15	22-Jul-15

TASK filter: Near critical.

Activity ID	Activity Name	Original Duration	Total Float	Start	Finish
B131700	Drill Shafts - Pier 6 - WB Bridge over Broad Run	10	4	23-Jul-15	05-Aug-15
B131800	Drill Shafts - Pier 7 - WB Bridge over Broad Run	10	4	06-Aug-15	19-Aug-15
B121910	F/R/P Footing - Pier 8 - EB Bridge over Broad Run	5	4	03-Sep-15	10-Sep-15
B121930	F/R/P Column - Pier 8 - EB Bridge over Broad Run	8	4	18-Sep-15	29-Sep-15
B121950	F/R/P Cap - Pier 8 - EB Bridge over Broad Run	5	4	07-Oct-15	13-Oct-15
B131900	Drill Shafts - Pier 8 - WB Bridge over Broad Run	10	4	20-Aug-15	02-Sep-15
B132290	F/R Closure Diaphragms - Spans g - h - WB Bridge over Broad Run	3	5	24-May-16	26-May-16
B132360	Pour Deck - Span g - WB Bridge over Broad Run	1	5	27-May-16	27-May-16
B132520	Pour Closure Diaphragms - Spans g - h - WB Bridge over Broad Run	1	5	08-Jun-16	08-Jun-16
B132630	Construct BR27 Railing Complete - Span g - WB Bridge over Broad Run	5	5	09-Jun-16	15-Jun-16
B132640	Construct BR27 Railing Complete - Span h - WB Bridge over Broad Run	5	5	16-Jun-16	22-Jun-16
B132645	Construct BR27 Railing Complete - Span i - WB Bridge over Broad Run	5	5	23-Jun-16	29-Jun-16
B131120	Cure Footing - Abutment B - WB Bridge over Broad Run	7	6	29-Sep-15	05-Oct-15
B131140	Cure Stem - Abutment B - WB Bridge over Broad Run	7	6	13-Oct-15	19-Oct-15
B131160	Cure Backwall - Abutment B - WB Bridge over Broad Run	7	6	23-Oct-15	29-Oct-15
B121830	F/R/P Column - Pier 7 - EB Bridge over Broad Run	8	6	03-Sep-15	15-Sep-15
B132510	Pour Closure Diaphragms - Spans f - g - WB Bridge over Broad Run	1	6	31-May-16	31-May-16
B132620	Construct BR27 Railing Complete - Span f - WB Bridge over Broad Run	5	6	01-Jun-16	07-Jun-16
B121920	Cure Footing - Pier 8 - EB Bridge over Broad Run	7	6	11-Sep-15	17-Sep-15
B121940	Cure Column - Pier 8 - EB Bridge over Broad Run	7	6	30-Sep-15	06-Oct-15
B121810	F/R/P Footing - Pier 7 - EB Bridge over Broad Run	5	7	20-Aug-15	26-Aug-15
B132280	F/R Closure Diaphragms - Spans f - g - WB Bridge over Broad Run	3	7	16-May-16	18-May-16
B132350	Pour Deck - Span f - WB Bridge over Broad Run	1	7	19-May-16	19-May-16
B132500	Pour Closure Diaphragms - Spans e - f - WB Bridge over Broad Run	1	7	20-May-16	20-May-16
B132610	Construct BR27 Railing Complete - Span e - WB Bridge over Broad Run	5	7	23-May-16	27-May-16
B121710	F/R/P Footing - Pier 6 - EB Bridge over Broad Run	5	8	06-Aug-15	12-Aug-15
B121730	F/R/P Column - Pier 6 - EB Bridge over Broad Run	8	8	20-Aug-15	31-Aug-15
B132270	F/R Closure Diaphragms - Spans e - f - WB Bridge over Broad Run	3	8	06-May-16	10-May-16
B132340	Pour Deck - Span e - WB Bridge over Broad Run	1	8	11-May-16	11-May-16
B132490	Pour Closure Diaphragms - Spans d - e - WB Bridge over Broad Run	1	8	12-May-16	12-May-16
B132600	Construct BR27 Railing Complete - Span d - WB Bridge over Broad Run	5	8	13-May-16	19-May-16
R120100	Finish Grade & Stabilize - 130+39 to 135+00 - Gloucester Parkway	3	8	22-Jul-16	26-Jul-16
B131910	F/R/P Footing - Pier 8 - WB Bridge over Broad Run	5	8	03-Sep-15	10-Sep-15
B131930	F/R/P Column - Pier 8 - WB Bridge over Broad Run	8	8	18-Sep-15	29-Sep-15
B131950	F/R/P Cap - Pier 8 - WB Bridge over Broad Run	5	8	07-Oct-15	13-Oct-15
B121850	F/R/P Cap - Pier 7 - EB Bridge over Broad Run	5	9	23-Sep-15	29-Sep-15
B122090	F/R/P End Closure - East - EB Bridge over Broad Run	5	9	22-Feb-16	26-Feb-16
B122150	F/R Deck - Span a - EB Bridge over Broad Run	6	9	11-Mar-16	18-Mar-16
B122160	F/R Deck - Span b - EB Bridge over Broad Run	6	9	21-Mar-16	28-Mar-16
B122170	F/R Deck - Span c - EB Bridge over Broad Run	6	9	29-Mar-16	05-Apr-16
B122180	F/R Deck - Span d - EB Bridge over Broad Run	6	9	06-Apr-16	13-Apr-16
B122190	F/R Deck - Span e - EB Bridge over Broad Run	6	9	14-Apr-16	21-Apr-16
B122200	F/R Deck - Span f - EB Bridge over Broad Run	6	9	22-Apr-16	29-Apr-16
B122210	F/R Deck - Span g - EB Bridge over Broad Run	6	9	02-May-16	09-May-16
B122220	F/R Deck - Span h - EB Bridge over Broad Run	6	9	10-May-16	17-May-16
B122290	F/R Closure Diaphragms - Spans g - h - EB Bridge over Broad Run	3	9	18-May-16	20-May-16
B122360	Pour Deck - Span g - EB Bridge over Broad Run	1	9	23-May-16	23-May-16
B122370	Pour Deck - Span h - EB Bridge over Broad Run	1	9	24-May-16	24-May-16
B122130	Install Tooth Expansion Dam - East - EB Bridge over Broad Run	4	9	07-Mar-16	10-Mar-16
B132260	F/R Closure Diaphragms - Spans d - e - WB Bridge over Broad Run	3	9	28-Apr-16	02-May-16
B132330	Pour Deck - Span d - WB Bridge over Broad Run	1	9	03-May-16	03-May-16
B132480	Pour Closure Diaphragms - Spans c - d - WB Bridge over Broad Run	1	9	04-May-16	04-May-16
B132590	Construct BR27 Railing Complete - Span c - WB Bridge over Broad Run	5	9	05-May-16	11-May-16
B122375	Pour Deck - Span i - EB Bridge over Broad Run	1	9	25-May-16	25-May-16
G010010	Design Start	0	10	19-Mar-14	
B121610	F/R/P Footing - Pier 5 - EB Bridge over Broad Run	5	10	23-Jul-15	29-Jul-15
B121630	F/R/P Column - Pier 5 - EB Bridge over Broad Run	8	10	06-Aug-15	17-Aug-15
B131810	F/R/P Footing - Pier 7 - WB Bridge over Broad Run	5	10	20-Aug-15	26-Aug-15
B131830	F/R/P Column - Pier 7 - WB Bridge over Broad Run	8	10	03-Sep-15	15-Sep-15
B122510	Pour Closure Diaphragms - Spans f - g - EB Bridge over Broad Run	1	10	24-May-16	24-May-16
B122530	F/R/P Approach Slab - East - EB Bridge over Broad Run	4	10	02-Jun-16	07-Jun-16

TASK filter: Near critical.

Activity ID	Activity Name	Original Duration	Total Float	Start	Finish
B122550	F/R/P Approach Slab - West - EB Bridge over Broad Run	4	10	02-Jun-16	07-Jun-16
B122620	Construct BR27 Railing Complete - Span f - EB Bridge over Broad Run	5	10	25-May-16	01-Jun-16
B122630	Construct BR27 Railing Complete - Span g - EB Bridge over Broad Run	5	10	02-Jun-16	08-Jun-16
B122640	Construct BR27 Railing Complete - Span h - EB Bridge over Broad Run	5	10	09-Jun-16	15-Jun-16
B122730	Slipform Parapet - EB Bridge over Broad Run	6	10	15-Jun-16	22-Jun-16
B122740	Groove Deck - EB Bridge over Broad Run	5	10	23-Jun-16	29-Jun-16
B132250	F/R Closure Diaphragms - Spans c - d - WB Bridge over Broad Run	3	10	20-Apr-16	22-Apr-16
B132320	Pour Deck - Span c - WB Bridge over Broad Run	1	10	25-Apr-16	25-Apr-16
B132470	Pour Closure Diaphragms - Spans b - c - WB Bridge over Broad Run	1	10	26-Apr-16	26-Apr-16
B132580	Construct BR27 Railing Complete - Span b - WB Bridge over Broad Run	5	10	27-Apr-16	03-May-16
B132720	Construct Concrete Curb with Fence - Span h - WB Bridge over Broad Run	3	10	15-Jun-16	17-Jun-16
B122645	Construct BR27 Railing Complete - Span i - EB Bridge over Broad Run	5	10	16-Jun-16	22-Jun-16
B132725	Construct Concrete Curb with Fence - Span i - WB Bridge over Broad Run	3	10	20-Jun-16	22-Jun-16
G000010	Construction Start	0	11	18-Mar-15	
G030040	Preparatory Meeting - Erosion & Sedimentation Control	1	11	20-Mar-15	20-Mar-15
G030060	Preparatory Meeting - MOT	1	11	17-Mar-15	17-Mar-15
B110010	Construct Temporary Access Road - Bridges over Broad Run	8	11	30-Mar-15	09-Apr-15
B121820	Cure Footing - Pier 7 - EB Bridge over Broad Run	7	11	27-Aug-15	02-Sep-15
B122280	F/R Closure Diaphragms - Spans f - g - EB Bridge over Broad Run	3	11	10-May-16	12-May-16
B122350	Pour Deck - Span f - EB Bridge over Broad Run	1	11	13-May-16	13-May-16
B122500	Pour Closure Diaphragms - Spans e - f - EB Bridge over Broad Run	1	11	16-May-16	16-May-16
B122610	Construct BR27 Railing Complete - Span e - EB Bridge over Broad Run	5	11	17-May-16	23-May-16
B132240	F/R Closure Diaphragms - Spans b - c - WB Bridge over Broad Run	3	11	12-Apr-16	14-Apr-16
B132310	Pour Deck - Span b - WB Bridge over Broad Run	1	11	15-Apr-16	15-Apr-16
B132460	Pour Closure Diaphragms - Spans a - b - WB Bridge over Broad Run	1	11	18-Apr-16	18-Apr-16
B132570	Construct BR27 Railing Complete - Span a - WB Bridge over Broad Run	5	11	19-Apr-16	25-Apr-16
B132710	Construct Concrete Curb with Fence - Span g - WB Bridge over Broad Run	3	11	09-Jun-16	13-Jun-16
G010740	Complete Initial Negotiation Contact with all Property Owners	15	11	14-Nov-14	08-Dec-14
G010750	Obtain Refusal/Acceptance on Parcels	30	11	09-Dec-14	27-Jan-15
G010760	Submit RW-24 Reports on Refusals	10	11	28-Jan-15	10-Feb-15
G010770	Submit RW-24 Reports on all Parcels	10	11	11-Feb-15	24-Feb-15
G010780	Receive Right-of-Way Clearances	15	11	25-Feb-15	17-Mar-15
G060010	Install Phase 1 MOT Controls	3	11	18-Mar-15	20-Mar-15
G070010	Install Perimeter Erosion Control Measures	5	11	23-Mar-15	27-Mar-15
G000050	Bridge Final Acceptance - VDOT	0	11		21-Jul-16
B122295	F/R Closure Diaphragms - Spans h - i - EB Bridge over Broad Run	3	11	18-May-16	20-May-16
B121510	F/R/P Footing - Pier 4 - EB Bridge over Broad Run	5	12	09-Jul-15	15-Jul-15
B121530	F/R/P Column - Pier 4 - EB Bridge over Broad Run	8	12	23-Jul-15	03-Aug-15
B121720	Cure Footing - Pier 6 - EB Bridge over Broad Run	7	12	13-Aug-15	19-Aug-15
B131730	F/R/P Column - Pier 6 - WB Bridge over Broad Run	8	12	20-Aug-15	31-Aug-15
B122270	F/R Closure Diaphragms - Spans e - f - EB Bridge over Broad Run	3	12	02-May-16	04-May-16
B122340	Pour Deck - Span e - EB Bridge over Broad Run	1	12	05-May-16	05-May-16
B122490	Pour Closure Diaphragms - Spans d - e - EB Bridge over Broad Run	1	12	06-May-16	06-May-16
B122600	Construct BR27 Railing Complete - Span d - EB Bridge over Broad Run	5	12	09-May-16	13-May-16
B132440	Cure Deck - Span g - WB Bridge over Broad Run	7	12	28-May-16	03-Jun-16
B131920	Cure Footing - Pier 8 - WB Bridge over Broad Run	7	12	11-Sep-15	17-Sep-15
B131940	Cure Column - Pier 8 - WB Bridge over Broad Run	7	12	30-Sep-15	06-Oct-15
G010090	Prepare Right-of-Way Acquisition Plan	20	13	04-Jun-14	01-Jul-14
G010100	SFA Right-of-Way Acquisition Plan	5	13	02-Jul-14	09-Jul-14
G010120	Prepare ROW Acquisition Plats	20	13	31-Jul-14	27-Aug-14
B121840	Cure Column - Pier 7 - EB Bridge over Broad Run	7	13	16-Sep-15	22-Sep-15
B131710	F/R/P Footing - Pier 6 - WB Bridge over Broad Run	5	13	06-Aug-15	12-Aug-15
B131850	F/R/P Cap - Pier 7 - WB Bridge over Broad Run	5	13	23-Sep-15	29-Sep-15
B122100	Cure End Closure - East - EB Bridge over Broad Run	7	13	27-Feb-16	04-Mar-16
B122260	F/R Closure Diaphragms - Spans d - e - EB Bridge over Broad Run	3	13	22-Apr-16	26-Apr-16
B122330	Pour Deck - Span d - EB Bridge over Broad Run	1	13	27-Apr-16	27-Apr-16
B122480	Pour Closure Diaphragms - Spans c - d - EB Bridge over Broad Run	1	13	28-Apr-16	28-Apr-16
B122590	Construct BR27 Railing Complete - Span c - EB Bridge over Broad Run	5	13	29-Apr-16	05-May-16
B132230	F/R Closure Diaphragms - Spans a - b - WB Bridge over Broad Run	3	13	04-Apr-16	06-Apr-16
B132300	Pour Deck - Span a - WB Bridge over Broad Run	1	13	07-Apr-16	07-Apr-16
B132430	Cure Deck - Span f - WB Bridge over Broad Run	7	13	20-May-16	26-May-16

TASK filter: Near critical.

Activity ID	Activity Name	Original Duration	Total Float	Start	Finish
G010710	Complete Title Research	20	13	28-Aug-14	25-Sep-14
G010720	Prepare Appraisals & Submit Packages to VDOT	20	13	26-Sep-14	23-Oct-14
B121410	F/R/P Footing - Pier 3 - EB Bridge over Broad Run	5	14	25-Jun-15	01-Jul-15
B121430	F/R/P Column - Pier 3 - EB Bridge over Broad Run	8	14	09-Jul-15	20-Jul-15
B121620	Cure Footing - Pier 5 - EB Bridge over Broad Run	7	14	30-Jul-15	05-Aug-15
B131610	F/R/P Footing - Pier 5 - WB Bridge over Broad Run	5	14	23-Jul-15	29-Jul-15
B131630	F/R/P Column - Pier 5 - WB Bridge over Broad Run	8	14	06-Aug-15	17-Aug-15
B122250	F/R Closure Diaphragms - Spans c - d - EB Bridge over Broad Run	3	14	14-Apr-16	18-Apr-16
B122320	Pour Deck - Span c - EB Bridge over Broad Run	1	14	19-Apr-16	19-Apr-16
B122470	Pour Closure Diaphragms - Spans b - c - EB Bridge over Broad Run	1	14	20-Apr-16	20-Apr-16
B122520	Pour Closure Diaphragms - Spans g - h - EB Bridge over Broad Run	1	14	25-May-16	25-May-16
B122540	Cure Approach Slab - East - EB Bridge over Broad Run	7	14	08-Jun-16	14-Jun-16
B122560	Cure Approach Slab - West - EB Bridge over Broad Run	7	14	08-Jun-16	14-Jun-16
B122580	Construct BR27 Railing Complete - Span b - EB Bridge over Broad Run	5	14	21-Apr-16	27-Apr-16
B132410	Cure Deck - Span d - WB Bridge over Broad Run	7	14	04-May-16	10-May-16
B132420	Cure Deck - Span e - WB Bridge over Broad Run	7	14	12-May-16	18-May-16
B132700	Construct Concrete Curb with Fence - Span f - WB Bridge over Broad Run	3	14	01-Jun-16	03-Jun-16
B122455	Cure Deck - Span i - EB Bridge over Broad Run	7	14	26-May-16	01-Jun-16
B132525	Pour Closure Diaphragms - Spans h - i - WB Bridge over Broad Run	1	14	09-Jun-16	09-Jun-16
B121750	F/R/P Cap - Pier 6 - EB Bridge over Broad Run	5	15	08-Sep-15	14-Sep-15
B131820	Cure Footing - Pier 7 - WB Bridge over Broad Run	7	15	27-Aug-15	02-Sep-15
B122240	F/R Closure Diaphragms - Spans b - c - EB Bridge over Broad Run	3	15	06-Apr-16	08-Apr-16
B122310	Pour Deck - Span b - EB Bridge over Broad Run	1	15	11-Apr-16	11-Apr-16
B122460	Pour Closure Diaphragms - Spans a - b - EB Bridge over Broad Run	1	15	12-Apr-16	12-Apr-16
B122450	Cure Deck - Span h - EB Bridge over Broad Run	7	15	25-May-16	31-May-16
B122570	Construct BR27 Railing Complete - Span a - EB Bridge over Broad Run	5	15	13-Apr-16	19-Apr-16
B132400	Cure Deck - Span c - WB Bridge over Broad Run	7	15	26-Apr-16	02-May-16
B121310	F/R/P Footing - Pier 2 - EB Bridge over Broad Run	5	16	11-Jun-15	17-Jun-15
B121330	F/R/P Column - Pier 2 - EB Bridge over Broad Run	8	16	25-Jun-15	06-Jul-15
B131510	F/R/P Footing - Pier 4 - WB Bridge over Broad Run	5	16	09-Jul-15	15-Jul-15
B131530	F/R/P Column - Pier 4 - WB Bridge over Broad Run	8	16	23-Jul-15	03-Aug-15
B122440	Cure Deck - Span g - EB Bridge over Broad Run	7	16	24-May-16	30-May-16
G000020	Begin Bridge Construction	0	16	23-Mar-15	
B121960	Cure Cap - Pier 8 - EB Bridge over Broad Run	7	16	14-Oct-15	20-Oct-15
G030310	Schedule and Hold Kickoff Meeting with Private Utilities	10	17	04-Jun-14	17-Jun-14
G031700	Washington Gas Design Utility Relocation Plan	40	17	18-Jun-14	13-Aug-14
G031710	SFA Washington Gas Utility Relocation Plan	10	17	14-Aug-14	27-Aug-14
B122230	F/R Closure Diaphragms - Spans a - b - EB Bridge over Broad Run	3	17	29-Mar-16	31-Mar-16
B122300	Pour Deck - Span a - EB Bridge over Broad Run	1	17	01-Apr-16	01-Apr-16
B132690	Construct Concrete Curb with Fence - Span e - WB Bridge over Broad Run	3	17	23-May-16	25-May-16
G030080	Preparatory Meeting - Storm Drainage	1	18	11-May-15	11-May-15
G030100	Preparatory Meeting - Subgrade & Aggregate Base	1	18	26-May-15	26-May-15
G030110	Preparatory Meeting - Signalization	1	18	14-Jul-15	14-Jul-15
G030170	Preparatory Meeting - Underdrain	1	18	09-Jun-15	09-Jun-15
B121210	F/R/P Footing - Pier 1 - EB Bridge over Broad Run	5	18	28-May-15	03-Jun-15
B121230	F/R/P Column - Pier 1 - EB Bridge over Broad Run	8	18	11-Jun-15	22-Jun-15
B121520	Cure Footing - Pier 4 - EB Bridge over Broad Run	7	18	16-Jul-15	22-Jul-15
B131410	F/R/P Footing - Pier 3 - WB Bridge over Broad Run	5	18	25-Jun-15	01-Jul-15
B131430	F/R/P Column - Pier 3 - WB Bridge over Broad Run	8	18	09-Jul-15	20-Jul-15
B122700	Construct Concrete Curb with Fence - Span f - EB Bridge over Broad Run	3	18	25-May-16	27-May-16
B122710	Construct Concrete Curb with Fence - Span g - EB Bridge over Broad Run	3	18	31-May-16	02-Jun-16
B122720	Construct Concrete Curb with Fence - Span h - EB Bridge over Broad Run	3	18	03-Jun-16	07-Jun-16
B132390	Cure Deck - Span b - WB Bridge over Broad Run	7	18	16-Apr-16	22-Apr-16
G060020	Install Phase 2 MOT Controls	5	18	21-Apr-15	27-Apr-15
G060030	Install Phase 3 MOT Controls	5	18	12-Aug-15	18-Aug-15
R200000	Complete - Roadway Area 2	0	18		11-Aug-15
R200010	Demo / Excavate for Widening - Loudoun County Parkway NB	20	18	28-Apr-15	26-May-15
R200020	Install Storm Drainage - Loudoun County Parkway NB	20	18	12-May-15	09-Jun-15
R200030	Finegrade Subgrade - Loudoun County Parkway NB	20	18	27-May-15	23-Jun-15
R200040	Place Stone Base & Underdrain - Loudoun County Parkway NB	20	18	10-Jun-15	07-Jul-15
R200050	Install Curb / Median & Backfill - Loudoun County Parkway NB	15	18	24-Jun-15	14-Jul-15

TASK filter: Near critical.

Activity ID	Activity Name	Original Duration	Total Float	Start	Finish
R200060	Install Permanent Signal - Loudoun County Parkway NB	20	18	15-Jul-15	11-Aug-15
R200070	Construct Sidewalk & Multi-use Path - Loudoun County Parkway NB	15	18	06-Jul-15	24-Jul-15
R200080	Place Base & Intermediate Asphalt - Loudoun County Parkway NB	7	18	27-Jul-15	04-Aug-15
R300010	Demo / Excavate for Widening - Loudoun County Parkway SB & Gloucester Park...	40	18	19-Aug-15	14-Oct-15
R300020	Install Storm Drainage - Loudoun County Parkway SB & Gloucester Parkway West	40	18	21-Sep-15	13-Nov-15
R300030	Finegrade Subgrade - Loudoun County Parkway SB & Gloucester Parkway West	40	18	21-Oct-15	17-Dec-15
R300040	Place Stone Base & Underdrain - Loudoun County Parkway SB & Gloucester Par...	40	18	20-Nov-15	26-Jan-16
R300050	Install Curb / Median & Backfill - Loudoun County Parkway SB & Gloucester Park...	30	18	24-Dec-15	11-Feb-16
R300060	Construct Sidewalk & Multi-use Path - Loudoun County Parkway SB & Gloucester...	20	18	22-Jan-16	18-Feb-16
G031730	Relocate Washington Gas Lines - Gloucester Parkway @ New Bridge	22	18	20-Oct-14	18-Nov-14
G031740	Relocate Washington Gas Lines - Gloucester Parkway	22	18	18-Sep-14	17-Oct-14
G031750	Relocate Washington Gas Lines - Loudoun County Parkway	100	18	19-Nov-14	20-Apr-15
R200090	Finish Grade & Stabilize - Loudoun County Parkway NB	5	18	05-Aug-15	11-Aug-15
B122725	Construct Concrete Curb with Fence - Span i - EB Bridge over Broad Run	3	18	08-Jun-16	10-Jun-16
G010110	R/A Right-of-Way Acquisition Plan	21	19	10-Jul-14	30-Jul-14
B121650	F/R/P Cap - Pier 5 - EB Bridge over Broad Run	5	19	25-Aug-15	31-Aug-15
B131720	Cure Footing - Pier 6 - WB Bridge over Broad Run	7	19	13-Aug-15	19-Aug-15
B131750	F/R/P Cap - Pier 6 - WB Bridge over Broad Run	5	19	08-Sep-15	14-Sep-15
B131840	Cure Column - Pier 7 - WB Bridge over Broad Run	7	19	16-Sep-15	22-Sep-15
B122430	Cure Deck - Span f - EB Bridge over Broad Run	7	19	14-May-16	20-May-16
B132380	Cure Deck - Span a - WB Bridge over Broad Run	7	19	08-Apr-16	14-Apr-16
G010730	VDOT Approval of Appraisals	21	19	24-Oct-14	13-Nov-14
B121420	Cure Footing - Pier 3 - EB Bridge over Broad Run	7	20	02-Jul-15	08-Jul-15
B131310	F/R/P Footing - Pier 2 - WB Bridge over Broad Run	5	20	11-Jun-15	17-Jun-15
B131330	F/R/P Column - Pier 2 - WB Bridge over Broad Run	8	20	25-Jun-15	06-Jul-15
B131620	Cure Footing - Pier 5 - WB Bridge over Broad Run	7	20	30-Jul-15	05-Aug-15
B122410	Cure Deck - Span d - EB Bridge over Broad Run	7	20	28-Apr-16	04-May-16
B122420	Cure Deck - Span e - EB Bridge over Broad Run	7	20	06-May-16	12-May-16
B132680	Construct Concrete Curb with Fence - Span d - WB Bridge over Broad Run	3	20	13-May-16	17-May-16

TASK filter: Near critical.

Appendix 4.1.7
Proposal Payment Agreement

ATTACHMENT 9.3.1
PROPOSAL PAYMENT AGREEMENT

THIS PROPOSAL PAYMENT AGREEMENT (this “Agreement”) is made and entered into as of this 16 day of January, 2014, 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 **June 6, 2013** Request for Qualifications (“RFQ”) and was invited to submit proposals in response to a Request for Proposals (“RFP”) for the **Gloucester Parkway Extension, Project No. 2150-053-052** (“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

Appendix 4.1.8
Debarment Certification

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

Project No.: 2150-053-052

- 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.: 2150-053-052

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- 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.

Demi C. Mann 10-7-13
Signature Date

Senior Vice President
Title

Volkert, Inc.
Name of Firm

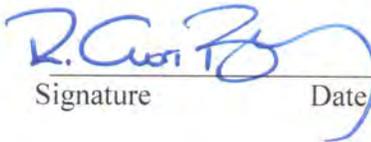
ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 2150-053-052

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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.

	10/16/2013	Managing Partner
Signature	Date	Title

Appraisal Review Specialists
Name of Firm

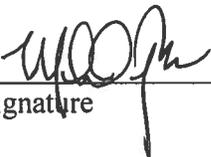
ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 2150-053-052

- 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>10/7/2013</u>	<u>CHIEF OPERATING OFFICER</u>
Signature	Date	Title

Bowman Consulting Group
Name of Firm

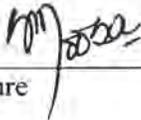
ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 2150-053-052

- 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>10/10/2013</u>	<u>Principal Engineer</u>
Signature	Date	Title

Engineering & Materials Technologies, Inc.
Name of Firm

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

Project No.: 2150-053-052

- 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

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

Project No.: 2150-053-052

- 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.

By: *Craig Thompson*
Signature Date

President
Title

Metro Title Services, LLC
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 Design Concept Plans and Proposal Schedule

A DESIGN-BUILD PROJECT

Gloucester Parkway Extension

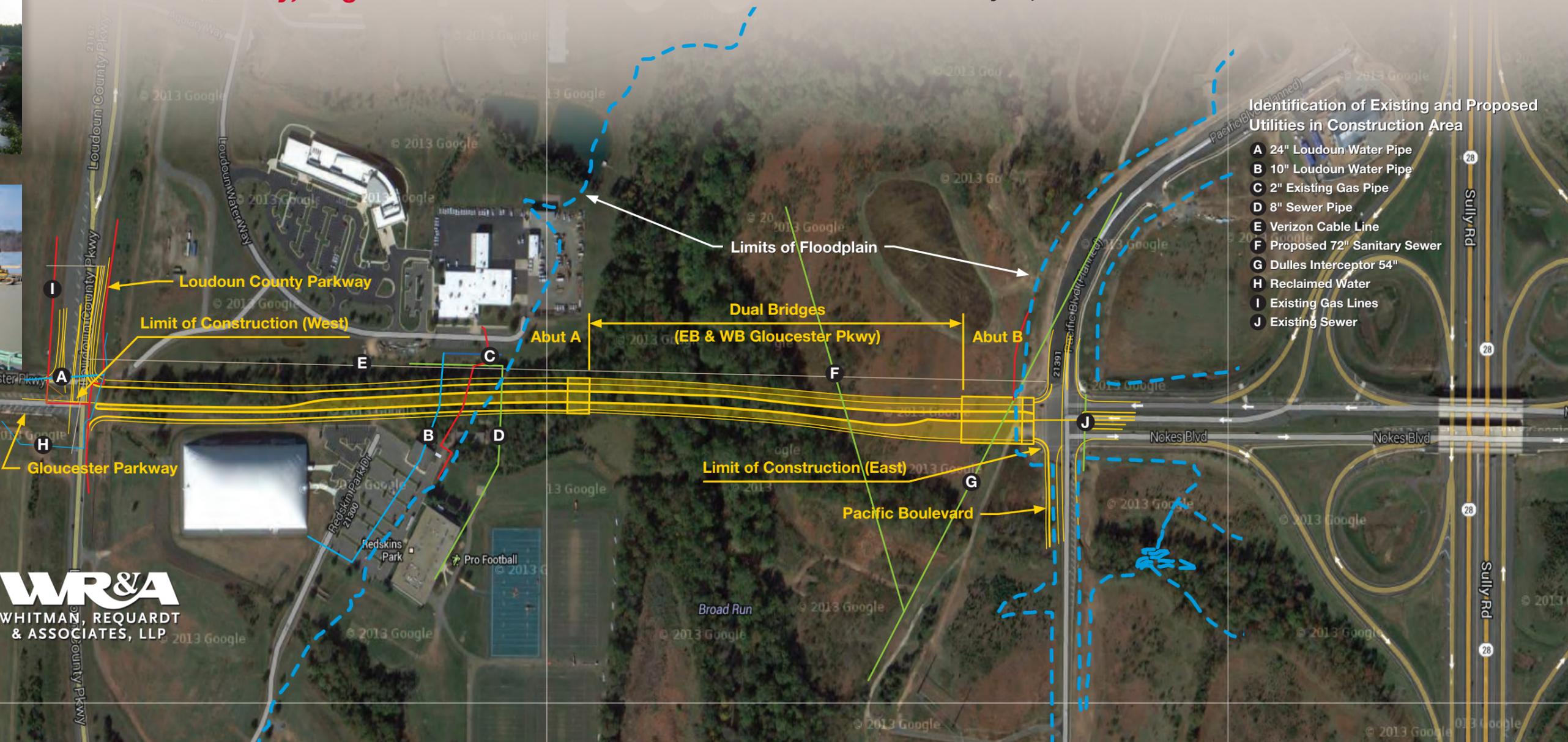
From: Loudoun County Parkway
To: Pacific Boulevard

Loudoun County, Virginia

State Project No.: 2150-053-052

Contract ID No.: C00104418DB68

Date: January 16, 2014



4.2.2

Conceptual Roadway Plans

FOR INDEX OF SHEETS SEE SHEET 1B



STATE	FEDERAL AID		STATE		SHEET NO.
	PROJECT	ROUTE	PROJECT		
VA.		2150	2150-053-052	1	

(SEE TABULATION BELOW FOR SECTION NUMBERS)

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING DESIGN PACKAGE (GEOPAK).
GEOPAK Computer Identification No. 104418

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

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

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

	GLOUCESTER PARKWAY	LOUDOUN COUNTY PARKWAY	PACIFIC BOULEVARD
From:			
To:			
FUNCTIONAL CLASSIFICATION	URBAN COLLECTOR	URBAN COLLECTOR	URBAN COLLECTOR
ADT (2013)	N/A	11,000	N/A
ADT (2035)	33,000	N/A	N/A
DHV	3,140		
D (%) (design hour)	65% AM/35% PM		
T (%) (design hour)	3%		
V (MPH)	50	50	40
TC STD.	TC-5.11U	TC-5.11U	TC-5.11U
GEOMETRIC STD.	GS-7	GS-7	GS-7

DESIGN-BUILD - LOUDOUN COUNTY
GLOUCESTER PARKWAY EXTENSION

FROM: 0.20 MILES W. INTERSECTION RTE 607 LOUDOUN CO PKWY
TO: INTERSECTION RTE 1036 PACIFIC BLVD

PROJECT MANAGER - Timothy J. Hartzell, P.E. (703) 259-2749 (Nova)
SURVEYED BY, DATE Brian P. Fletcher, L.S. (703) 259-2355 (Nova), June 18, 2013
DESIGN BY WHITMAN, REQUARDT, & ASSOCIATES, LLP. (703) 293-9717
SUBSURFACE UTILITY BY, DATE Jobson, Mitran, & Thompson, Inc. (703) 464-7369, June 24, 2013

CONVENTIONAL SIGNS

STATE LINE	-----
COUNTY LINE	-----
CITY, TOWN OR VILLAGE	-----
RIGHT OF WAY LINE	-----
FENCE LINE	-----
UNFENCED PROPERTY LINE	-----
FENCED PROPERTY LINE	-----
WATER LINE	-----
SANITARY SEWER LINE	-----
GAS LINE	-----
ELECTRIC UNDERGROUND CABLE	-----
TRAVELED WAY	-----
GUARD RAIL	-----
RETAINING WALL	-----
RAILROADS	-----
BASE OR SURVEY LINE	-----
LEVEE OR EMBANKMENT	-----
BRIDGES	-----
CULVERTS	-----
DROP INLET	-----
POWER POLES	-----
TELEPHONE OR TELEGRAPH POLES	-----
TELEPHONE OR TELEGRAPH LINES	-----
HEDGE	-----
TREES	-----
HEAVY WOODS	-----
GROUND ELEVATION	-----
GRADE ELEVATION	-----

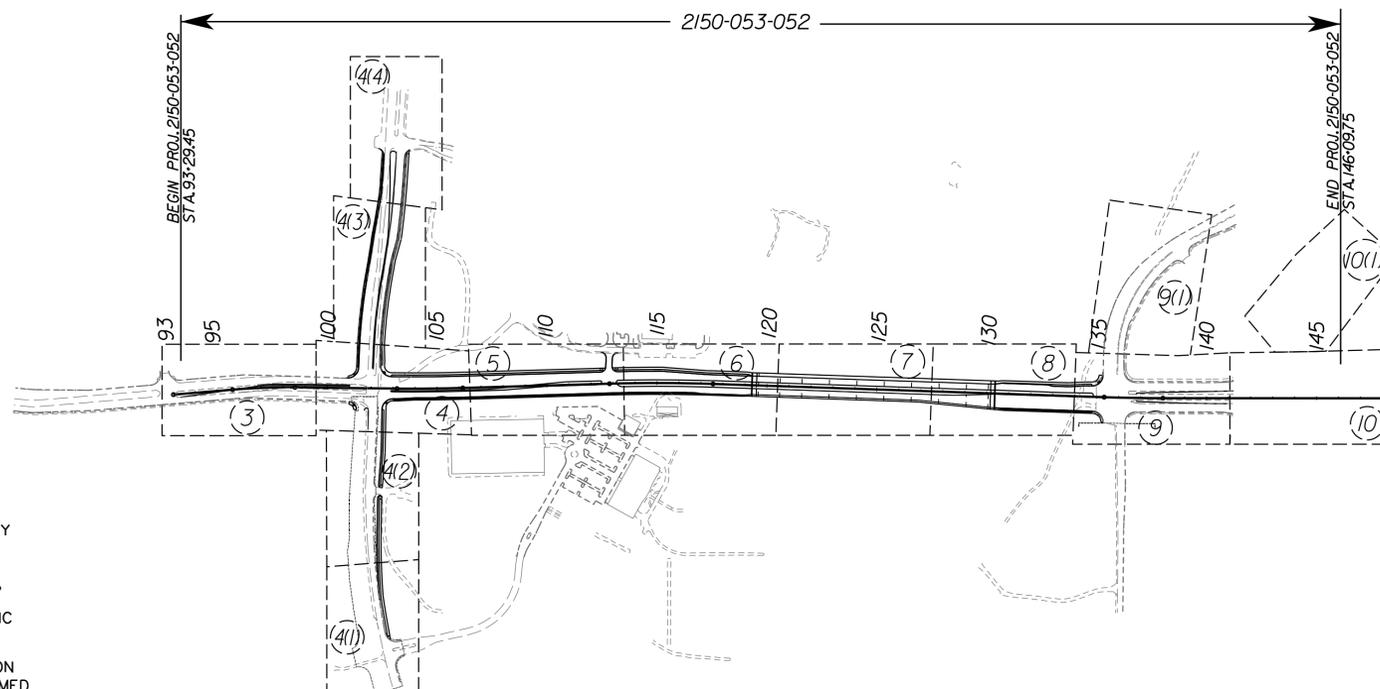
THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY AS AWARDED, HAS BEEN SEALED AND SIGNED USING DIGITAL SIGNATURES AND THE OFFICIAL PLAN ASSEMBLY IN ELECTRONIC FORMAT IS STORED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY. INCLUDING ALL SUBSEQUENT REVISIONS, WILL BE THE OFFICIAL CONSTRUCTION PLANS. FOR INFORMATION RELATIVE TO ELECTRONIC FILES AND LAYERED PLANS, SEE THE GENERAL NOTES.

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

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT'S 2007 ROAD AND BRIDGE SPECIFICATIONS, 2008 ROAD AND BRIDGE STANDARDS, 2009 MUTCD, 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY.

ALL CURVES ARE TO BE SUPERELEVATED, TRANSITIONED AND WIDENED IN ACCORDANCE WITH STANDARD TC-5.11 U, EXCEPT WHERE OTHERWISE NOTED.

THE ORIGINAL APPROVED TITLE SHEET(S), INCLUDING ORIGINAL SIGNATURES, ARE FILED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY. ANY MISUSE OF ELECTRONIC FILES, INCLUDING SCAINED SIGNATURES, IS ILLEGAL AND ENFORCED TO THE FULL EXTENT OF THE LAW.



Population ----- (----- Census)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	EQUALITIES		LENGTH INCLUDING BRIDGE(S)		LENGTH EXCLUDING BRIDGE(S)		BRIDGE PROJECT NO.	TYPE PROJECT	DESCRIPTION
					FEET		FEET	MILES	FEET	MILES			

Project Lengths are based on -----

DATE	PROGRAMMING DIVISION DIRECTOR
DATE	STATE LOCATION AND DESIGN ENGINEER
DATE	CHIEF OF PROGRAMMING AND PLANNING
DATE	CHIEF ENGINEER

DATE	CHIEF OF POLICY
------	-----------------

DATE	PROGRAMMING DIVISION DIRECTOR
DATE	STATE LOCATION AND DESIGN ENGINEER
DATE	STATE STRUCTURE AND BRIDGE ENGINEER
DATE	CHIEF OF PROGRAMMING AND PLANNING

DATE	CHIEF ENGINEER
------	----------------

DATE	DIVISION ADMINISTRATOR FEDERAL HIGHWAY ADMINISTRATION U.S. DEPARTMENT OF TRANSPORTATION
------	---

Copyright 2013, Commonwealth of Virginia

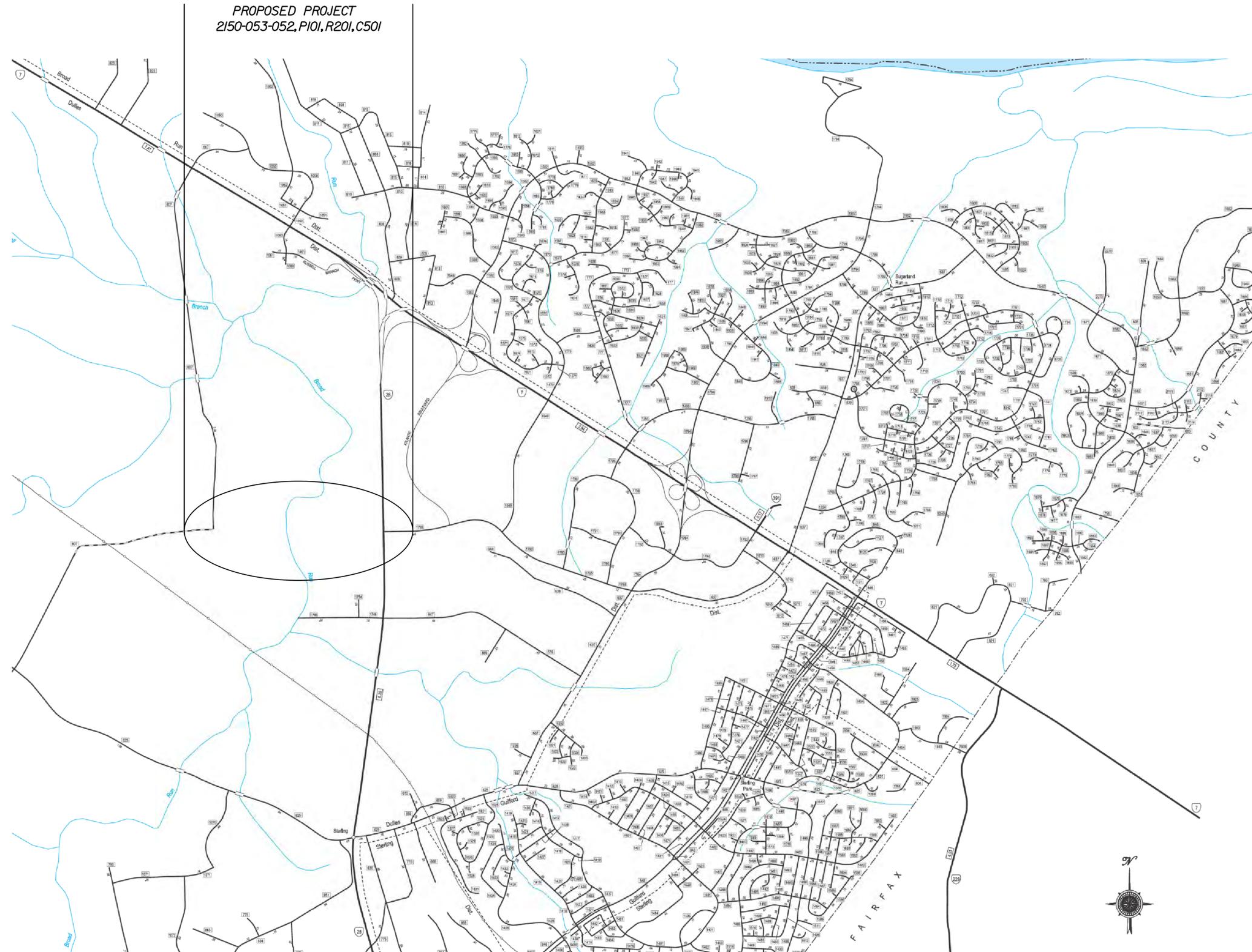
PROJECT MANAGER: Timothy J. Hartzell, P.E. (703) 259-2749 (Nova) -----
SURVEYED BY, DATE: Brian P. Fletcher, L.S. (703) 259-2355 (Nova), June 18, 2013
DESIGN BY: WHITMAN, REQUARDT & ASSOCIATES, LLP (703) 293-9717 -----
SUBSURFACE UTILITY BY, DATE: Johnson, Mirman & Thompson, Inc. (703) 464-7369, June 24, 2013

LOCATION MAP



LOUDOUN COUNTY

PROPOSED PROJECT
2150-053-052, P101, R201, C501



REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	2150	2150-053-052 P101, R201, C501	1A

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



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PROJECT	SHEET NO.
2150-053-052	1A

PROJECT MANAGER: *Timothy J. Hartzell, P.E. (703) 259-2749 (Nova)*
 SURVEYED BY, DATE: *Brian P. Fletcher, L.S. (703) 259-2355 (Nova), June 18, 2013*
 DESIGN BY: *WHITMAN, BEQUARDT & ASSOCIATES, LLP (703) 293-9717*
 SUBSURFACE UTILITY BY, DATE: *Jahson Miraliran & J. Thompson, Inc. (703) 464-7369, June 24, 2013*



REVISED	STATE		STATE		SHEET NO.
	STATE	ROUTE	PROJECT	PROJECT	
	VA.	2150	2150-053-052 PI01, R201, C501		1B

INDEX OF SHEETS

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

SHEET NO.	DESCRIPTION	STATIONS
1	TITLE SHEET	
1A	LOCATION MAP	
1B	INDEX OF SHEETS	
2A(1) - 2A(3)	TYPICAL SECTIONS	
3	PLAN SHEET	93+00 to 99+50
3A	GLOUCESTER PARKWAY (ROUTE 2150) PROFILE SHEET	93+00 to 99+50
4	PLAN SHEET	99+50 to 106+50
4A(1)	GLOUCESTER PARKWAY (ROUTE 2150) PROFILE SHEET	99+50 to 106+50
4(1)	PLAN SHEET	200+00 to 204+00
4(2)	PLAN SHEET	204+00 to 210+00
4(3)	PLAN SHEET	302+00 to 308+50
4(4)	PLAN SHEET	308+50 to 312+00
5	PLAN SHEET	106+50 to 113+50
5A	GLOUCESTER PARKWAY (ROUTE 2150) PROFILE SHEET	106+50 to 113+50
6	PLAN SHEET	113+50 to 120+50
6A	GLOUCESTER PARKWAY (ROUTE 2150) PROFILE SHEET	113+50 to 120+50
7	PLAN SHEET	120+50 to 127+50
7A	GLOUCESTER PARKWAY (ROUTE 2150) PROFILE SHEET	120+50 to 127+50
8	PLAN SHEET	127+50 to 134+50
8A	GLOUCESTER PARKWAY (ROUTE 2150) PROFILE SHEET	127+50 to 134+50
9	PLAN SHEET	134+00 to 141+00
9A	GLOUCESTER PARKWAY (ROUTE 2150) PROFILE SHEET	134+00 to 141+00
9(1)	PLAN SHEET	502+00 to 509+00
10	PLAN SHEET	141+00 to 148+05.76
10(1)	PLAN SHEET	

BRIDGE PLANS, B-6XX, PLAN NO. 295-81 (4 SHEETS)
 [GLOUCESTER PARKWAY OVER BROAD RUN]

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.
2150-053-052	1B

PROJECT MANAGER: Timothy J. Hartzell, P.E. (703) 259-2749 (Nova) -----
 SURVEYED BY, DATE: Brian P. Fletcher, L.S. (703) 259-2355 (Nova), June 18, 2013
 DESIGN BY: WHITMAN, BEQUARDT & ASSOCIATES, LLP (703) 293-9717 -----
 SUBSURFACE UTILITY BY, DATE: Johnson, Miraliran & Thompson, Inc. (703) 464-7369, June 24, 2013

TYPICAL SECTIONS

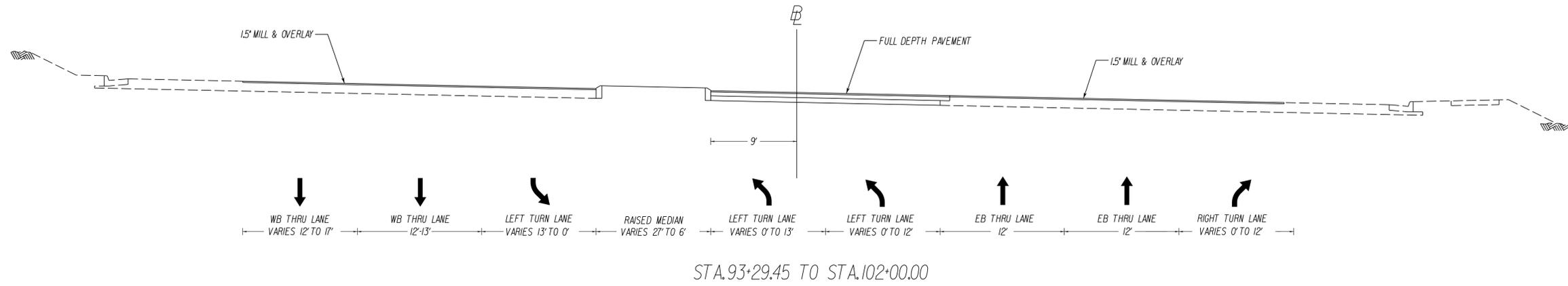
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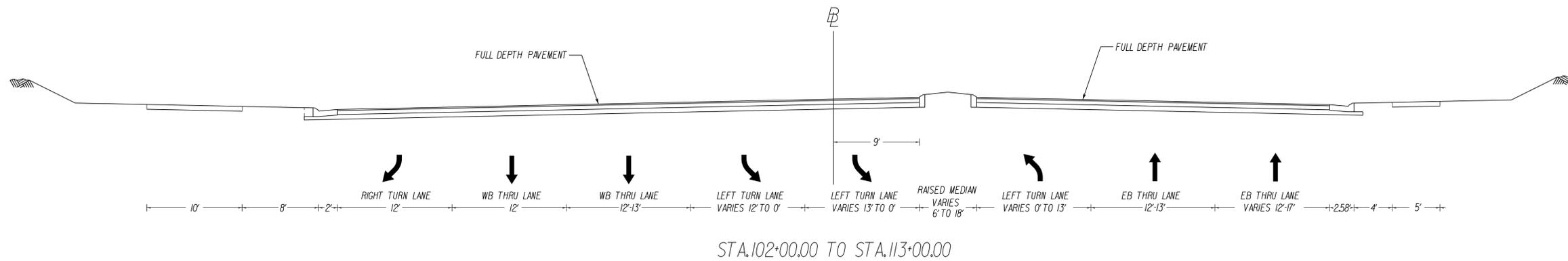
REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	2150	2150-053-052 PI01, R201, C501	2A(1)

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

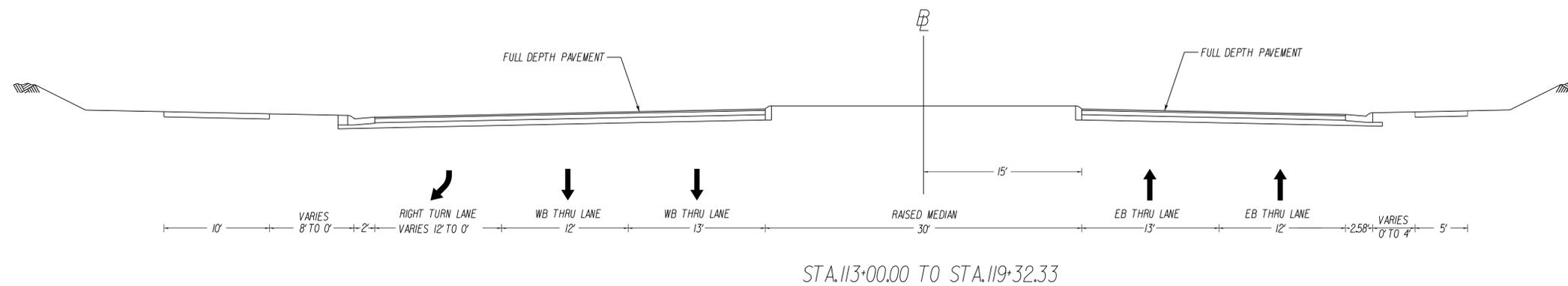
GLOUCESTER PARKWAY (ROUTE 2150)



GLOUCESTER PARKWAY (ROUTE 2150)



GLOUCESTER PARKWAY (ROUTE 2150)



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PROJECT	SHEET NO.
2150-053-052	2A(1)

PROJECT MANAGER: Timothy J. Hartzell, P.E. (703) 259-2749 (Nova) -----
 SURVEYED BY, DATE: Brian P. Fletcher, L.S. (703) 259-2355 (Nova), June 18, 2013
 DESIGN BY: WHITMAN, BEQUARDT & ASSOCIATES, LLP (703) 293-9717 -----
 SUBSURFACE UTILITY BY, DATE: Johnson, Miraliran & Trompson, Inc. (703) 464-7369, June 24, 2013

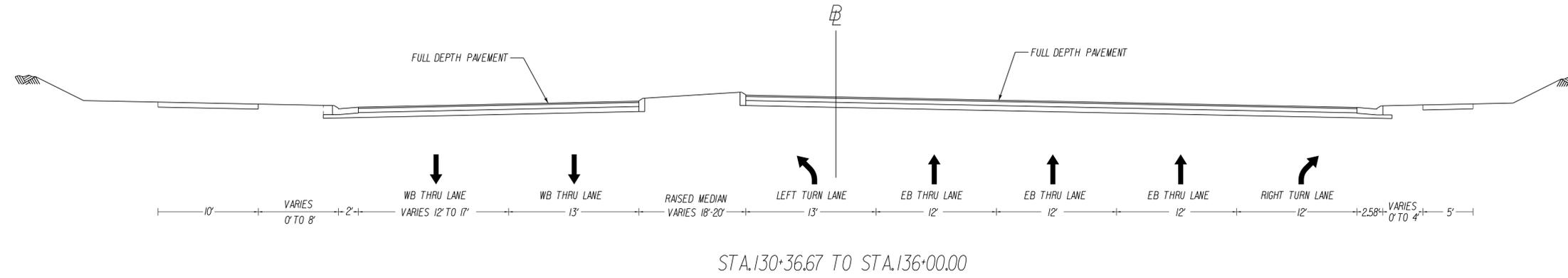


REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
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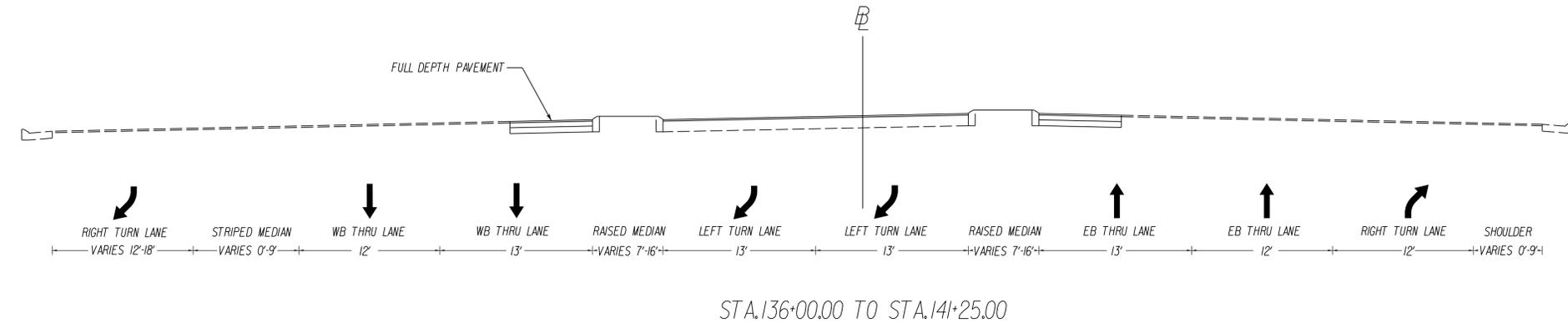
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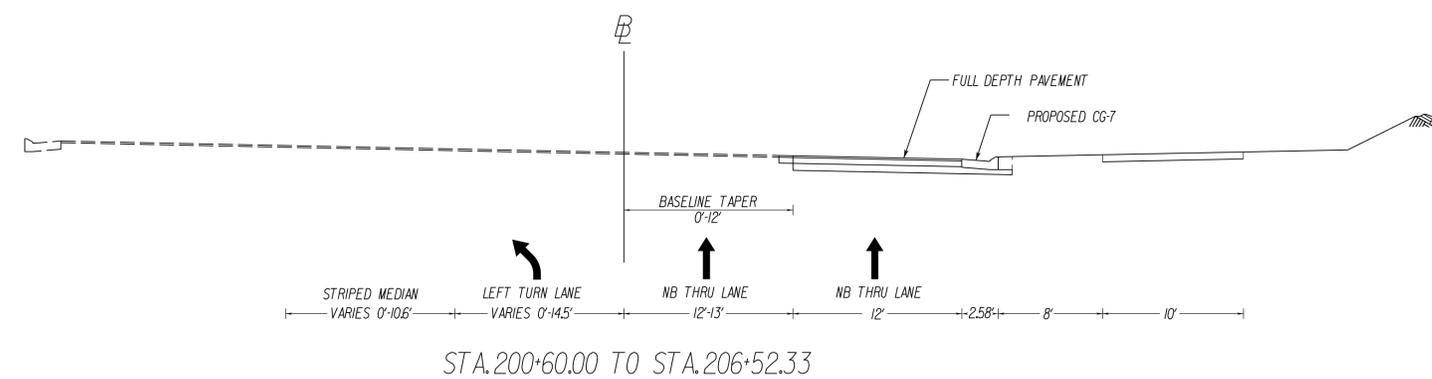
GLOUCESTER PARKWAY (ROUTE 2150)



GLOUCESTER PARKWAY (ROUTE 2150)



LOUDOUN COUNTY PARKWAY (ROUTE 607)



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.
2150-053-052	2A(2)

PROJECT MANAGER: Timothy J. Hartzell, P.E. (703) 259-2749 (Nova) -----
 SURVEYED BY, DATE: Brian P. Fletcher, L.S. (703) 259-2355 (Nova), June 18, 2013
 DESIGN BY: WHITMAN, BEQUARDT & ASSOCIATES, LLP (703) 293-9717 -----
 SUBSURFACE UTILITY BY, DATE: Johnson, Miraliran & Trompson, Inc. (703) 464-7369, June 24, 2013

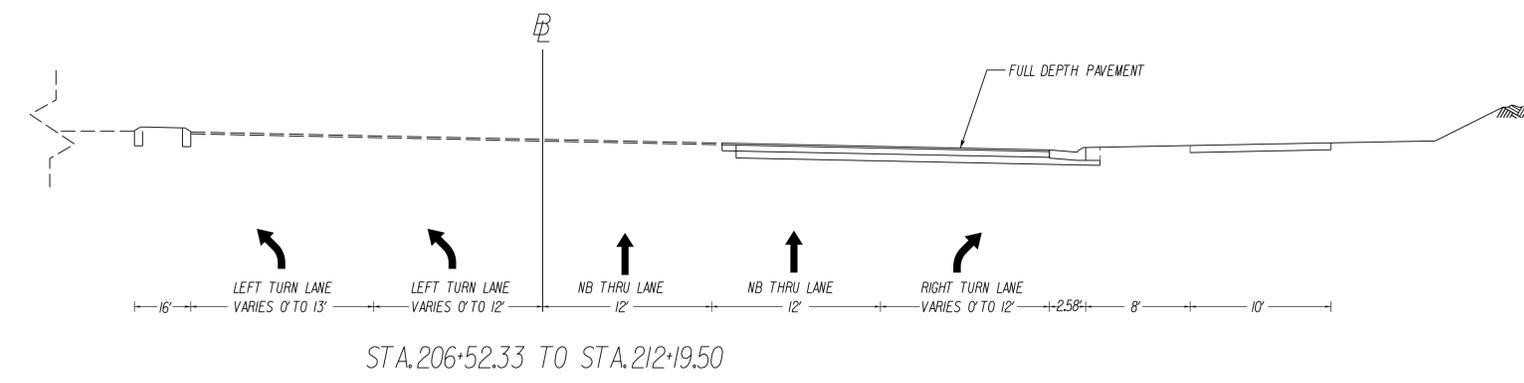


REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
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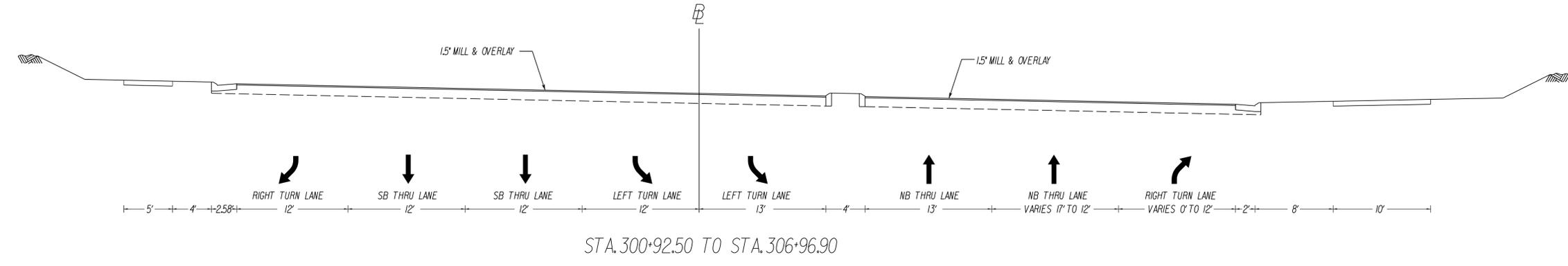
TYPICAL SECTIONS

NOT TO SCALE

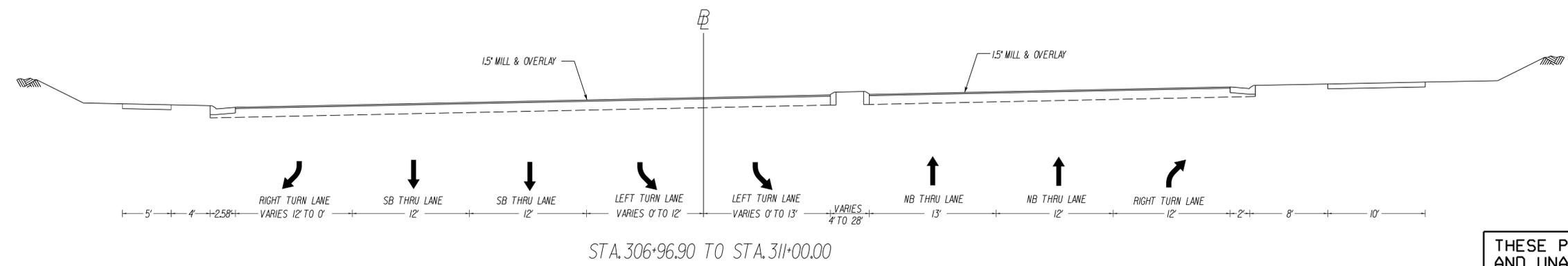
LOUDOUN COUNTY PARKWAY (ROUTE 607)



LOUDOUN COUNTY PARKWAY (ROUTE 607)



LOUDOUN COUNTY PARKWAY (ROUTE 607)



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	2150-053-052	SHEET NO.	2A(3)
---------	--------------	-----------	-------

PROJECT MANAGER: Timothy J. Hartzell, P.E. (703) 259-2749 (Nova)
SURVEYED BY, DATE: Brian P. Fletcher, L.S. (703) 259-2355 (Nova), June 18, 2013
DESIGN BY: WHITMAN, BEQUARDT & ASSOCIATES, LLP (703) 293-9277
SUBSURFACE UTILITY BY, DATE: Johnson, Miraliran & J. Thompson, Inc. (703) 464-7369, June 24, 2013

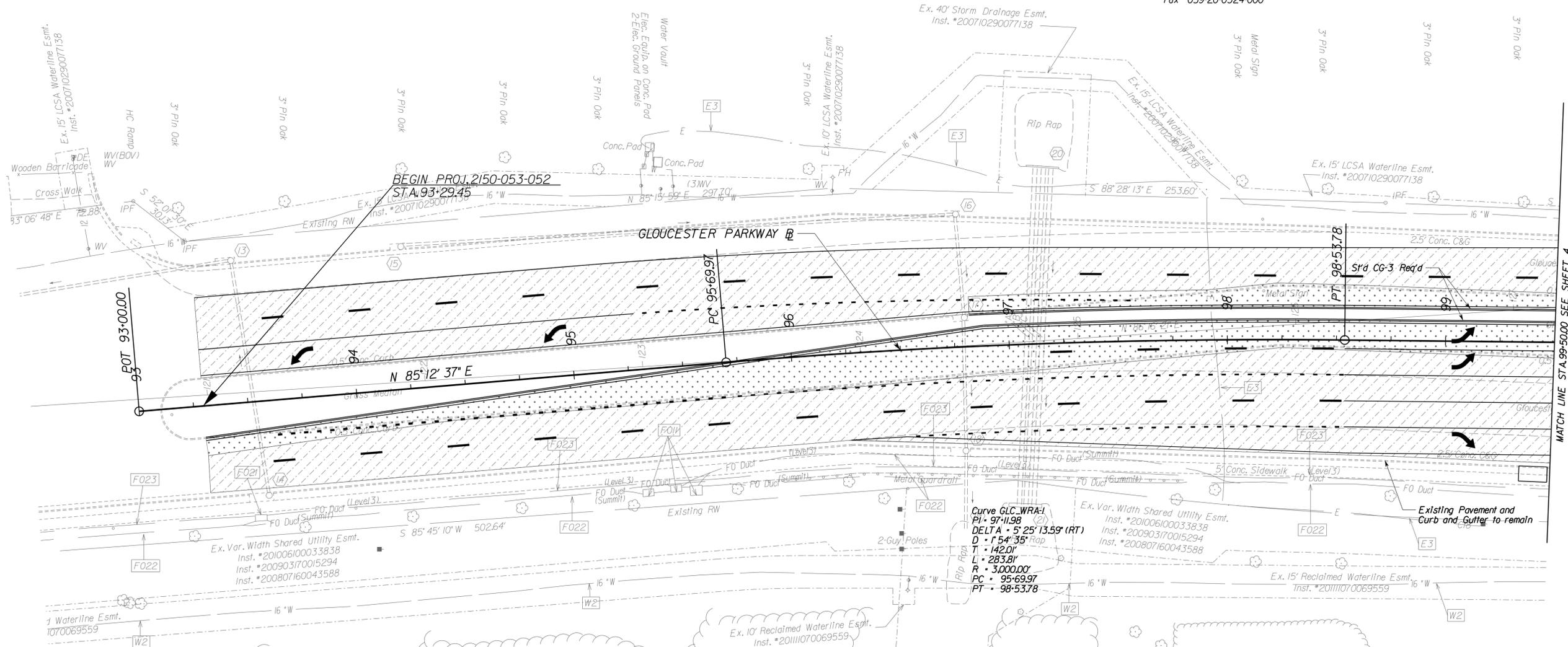


REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	2150		2150-053-052 PI01, R201, C501	3

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

EDWARD ST. JOHN, LLC & BEAUMEADE INVESTORS, LLC

Inst. # 200402120013061
98.3201 AC.
Tax# 059-20-0324-000



MATCH LINE STA. 99+50.00 SEE SHEET 4

LEGEND

- Proposed Pavement Milling, Buildup, and/or Overlay
- Proposed Full Depth Pavement
- Proposed Demolition of Pavement
- Proposed Concrete Sidewalk or Shared Use Path

Denotes Construction Limits In Cuts
 Denotes Construction Limits In Fills

BEAUMEADE ASSOCIATES, L.L.P.
DB1119, PG1077
Inst. # 200904020019900
42.2518 AC.
Tax# 060-30-7119-000

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
2150-053-052

SHEET NO.
3

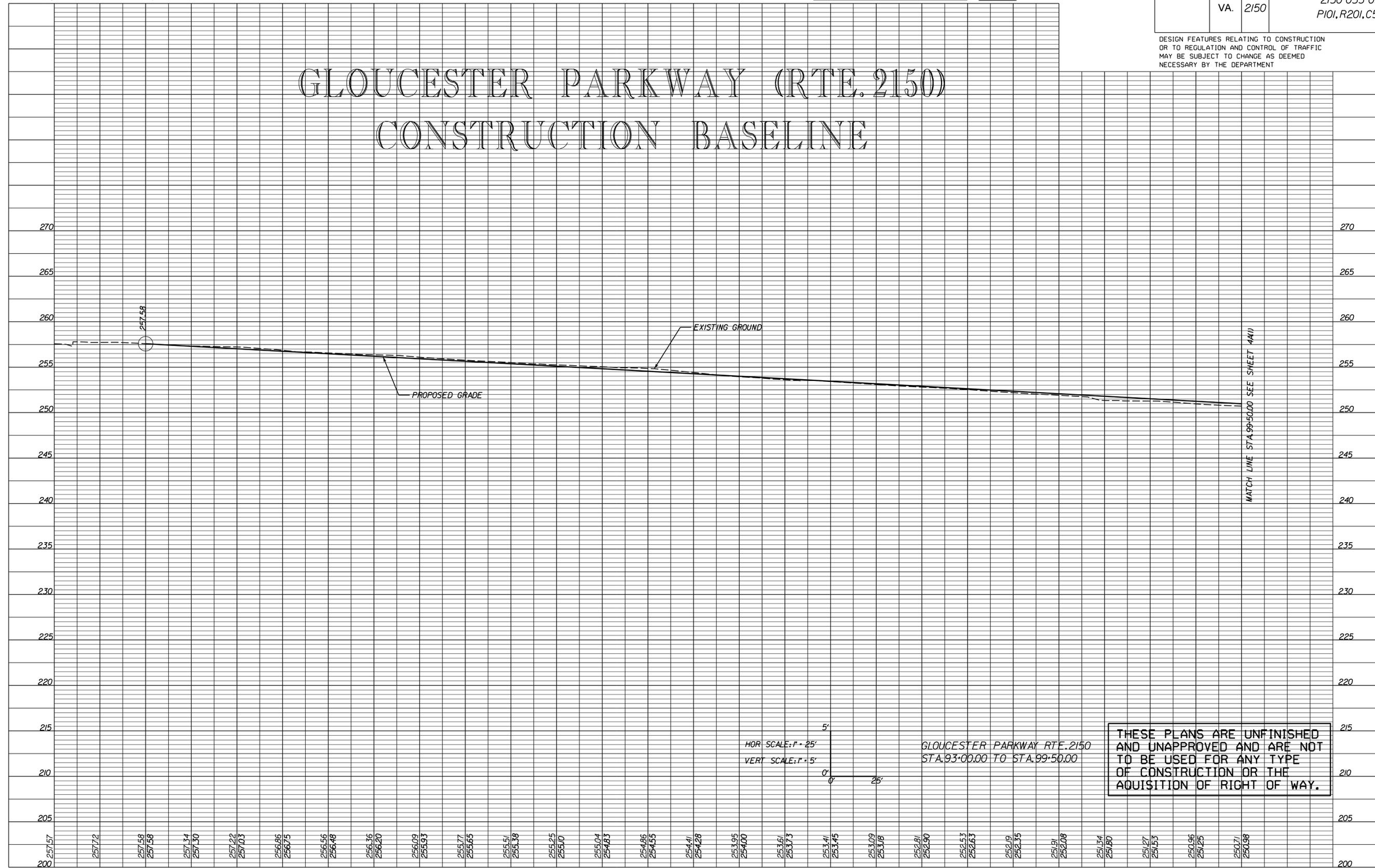
PROJECT MANAGER: *Timothy J. Hartzell, P.E. (703) 259-2749 (Novel)*
 SURVEYED BY, DATE: *Brian P. Fletcher, L.S. (703) 259-2355 (Novel) June 18, 2013*
 DESIGN BY: *WHITMAN, BEQUARDT & ASSOCIATES, LLP. (703) 293-9717*
 SUBSURFACE UTILITY BY, DATE: *Jahoon Mirman & Thompson, Inc. (703) 464-7369, June 24, 2013*



REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	2150		2150-053-052 P101, R201, C501	3A

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

GLOUCESTER PARKWAY (RTE. 2150) CONSTRUCTION BASELINE



HOR SCALE: 1" = 25'
 VERT SCALE: 1" = 5'

GLOUCESTER PARKWAY RTE. 2150
 STA. 93+00.00 TO STA. 99+50.00

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

MATCH LINE STA. 99+50.00 SEE SHEET 4A(1)

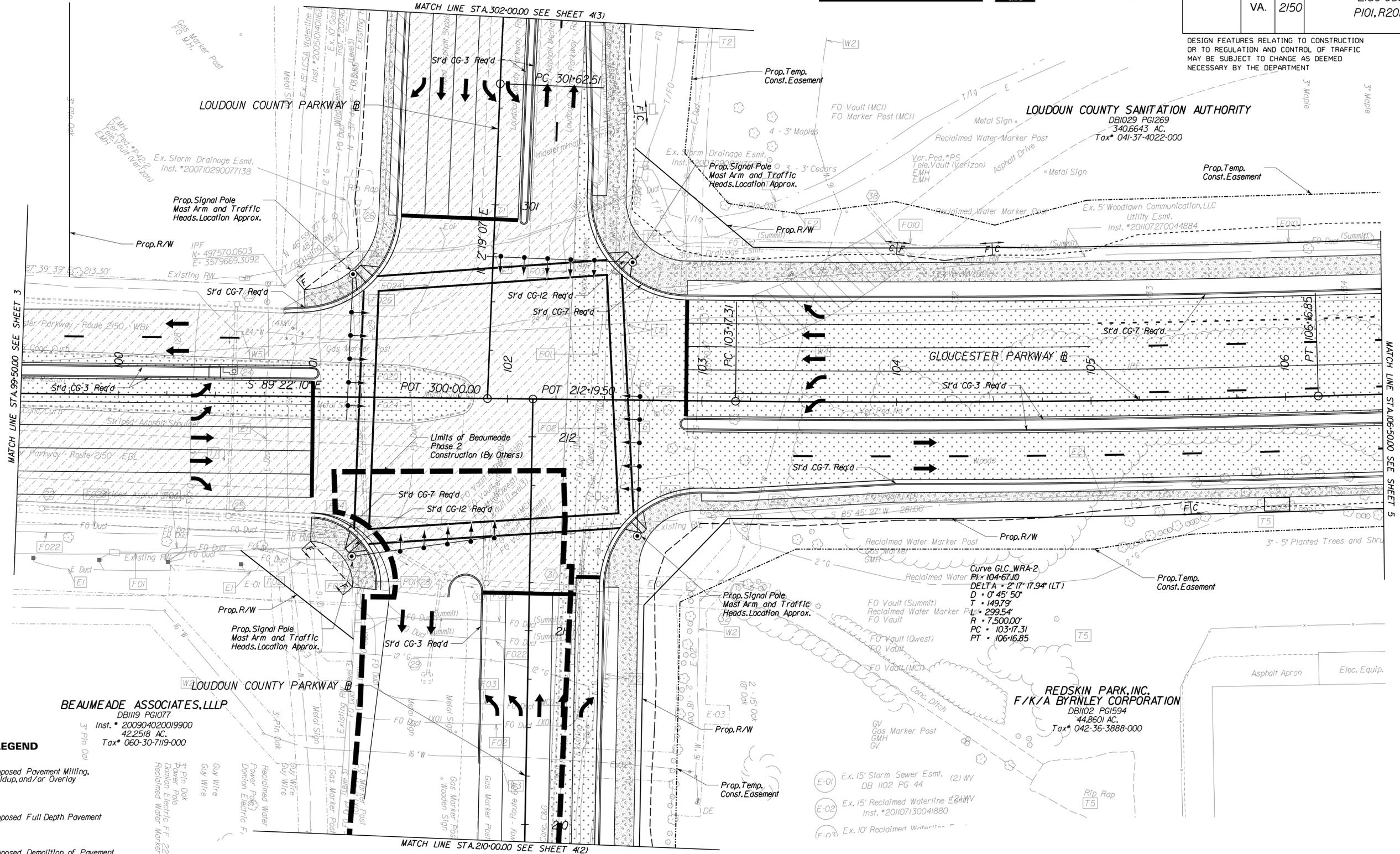
257.57 257.72 257.58 257.58 257.34 257.30 257.22 257.03 256.86 256.75 256.56 256.48 256.36 256.20 256.09 255.93 255.77 255.65 255.57 255.38 255.25 255.10 255.04 254.83 254.86 254.55 254.41 254.28 253.95 254.00 253.67 253.73 253.41 253.45 253.09 253.16 252.81 252.90 252.53 252.63 252.19 252.35 251.91 252.08 251.54 251.80 251.27 251.53 250.96 251.25 250.71 250.98

PROJECT MANAGER: Timothy J. Hartzell, P.E. (703) 259-2749 (Nova)
SURVEYED BY, DATE: Brian P. Fletcher, L.S. (703) 259-2355 (Nova), June 18, 2013
DESIGN BY: WHITMAN, BEQUARDT & ASSOCIATES, LLP (703) 293-9277
SUBSURFACE UTILITY BY: DATE: Johnson, Miralman & Thompson, Inc. (703) 464-7369, June 24, 2013



REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	2150		2150-053-052 P101, R201, C501	4

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



LEGEND

- Proposed Pavement Milling, Buildup, and/or Overlay
- Proposed Full Depth Pavement
- Proposed Demolition of Pavement
- Proposed Concrete Sidewalk or Shared Use Path

- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

Curve GLC-WRA-2
 PI = 104+67.10
 DELTA = 2° 17' 17.94" (LT)
 D = 0' 45' 50"
 T = 149.79'
 R = 299.54'
 PC = 7+500.00'
 PT = 103+17.31'
 PT = 106+16.85'

- (E-01) Ex. 15' Storm Sewer Esmt. (2) WV DB 1102 PG 44
- (E-02) Ex. 15' Reclaimed Waterline (2) WV Inst. #201107130041880
- (E-03) Ex. 10' Reclaimed Waterline

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

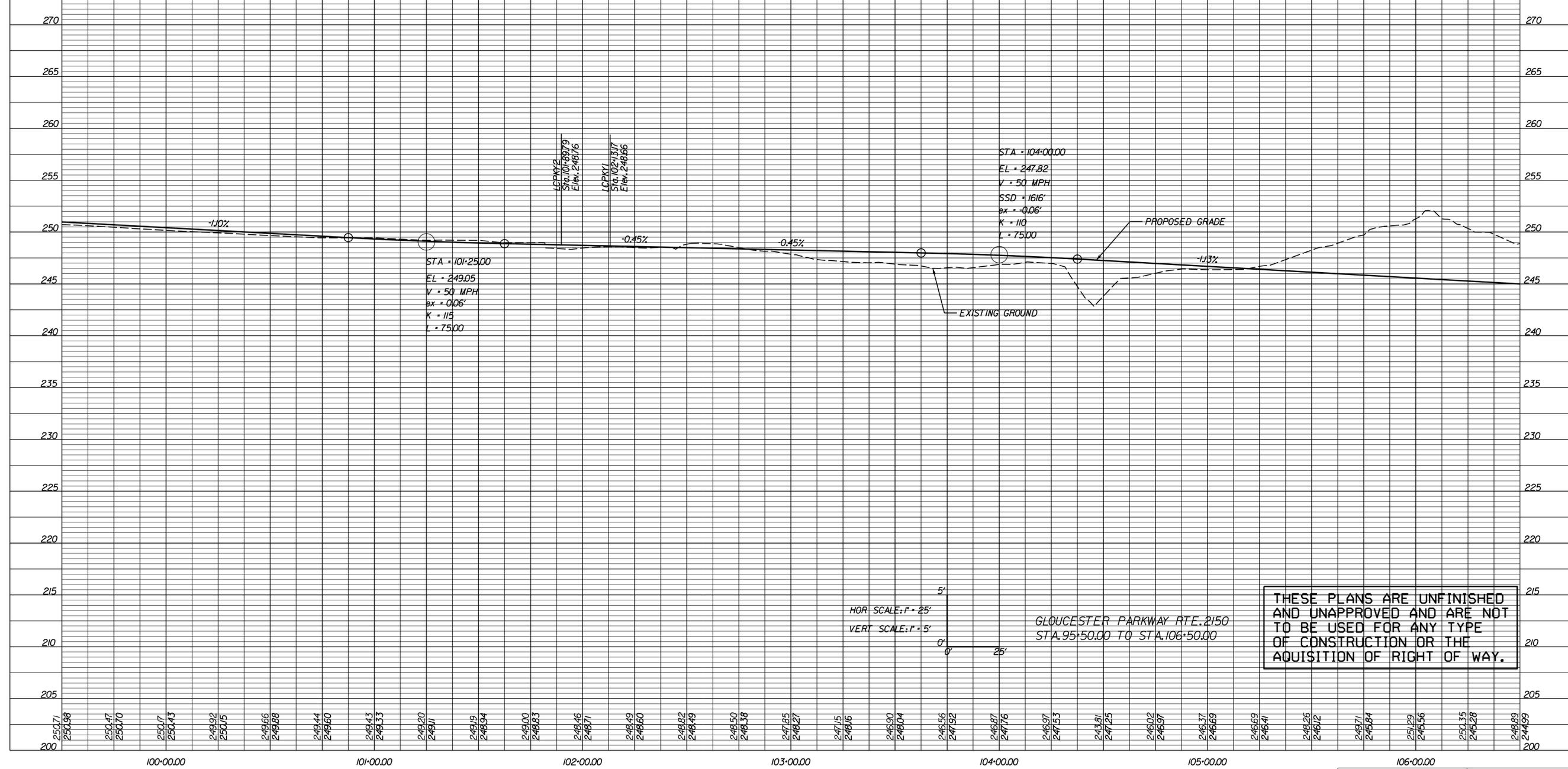
PROJECT MANAGER: Timothy J. Hartzell, P.E. (703) 259-2749 (Novel) -----
 SURVEYED BY, DATE: Brian P. Fletcher, L.S. (703) 259-2355 (Novel) June 18, 2013
 DESIGN BY: WHITMAN, BEQUARDT & ASSOCIATES, LLP. (703) 293-9717 -----
 SUBSURFACE UTILITY BY, DATE: Johnson, Mirman & Thompson, Inc. (703) 464-7369, June 24, 2013



REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	2150		2150-053-052 PIOI, R201, C501	4A(1)

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

GLOUCESTER PARKWAY (RTE. 2150) CONSTRUCTION BASELINE



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.
2150-053-052	4A(1)

PROJECT MANAGER: Timothy J. Hartzell, P.E. (703) 259-2749 (Nova)
 SURVEYED BY, DATE: Brian P. Fletcher, L.S. (703) 259-2355 (Nova), June 18, 2013
 DESIGN BY: WHITMAN, BEQUARDT & ASSOCIATES, LLP (703) 293-9717
 SUBSURFACE UTILITY BY, DATE: Johnson, Miraliran & J. Thompson, Inc. (703) 464-7369, June 24, 2013



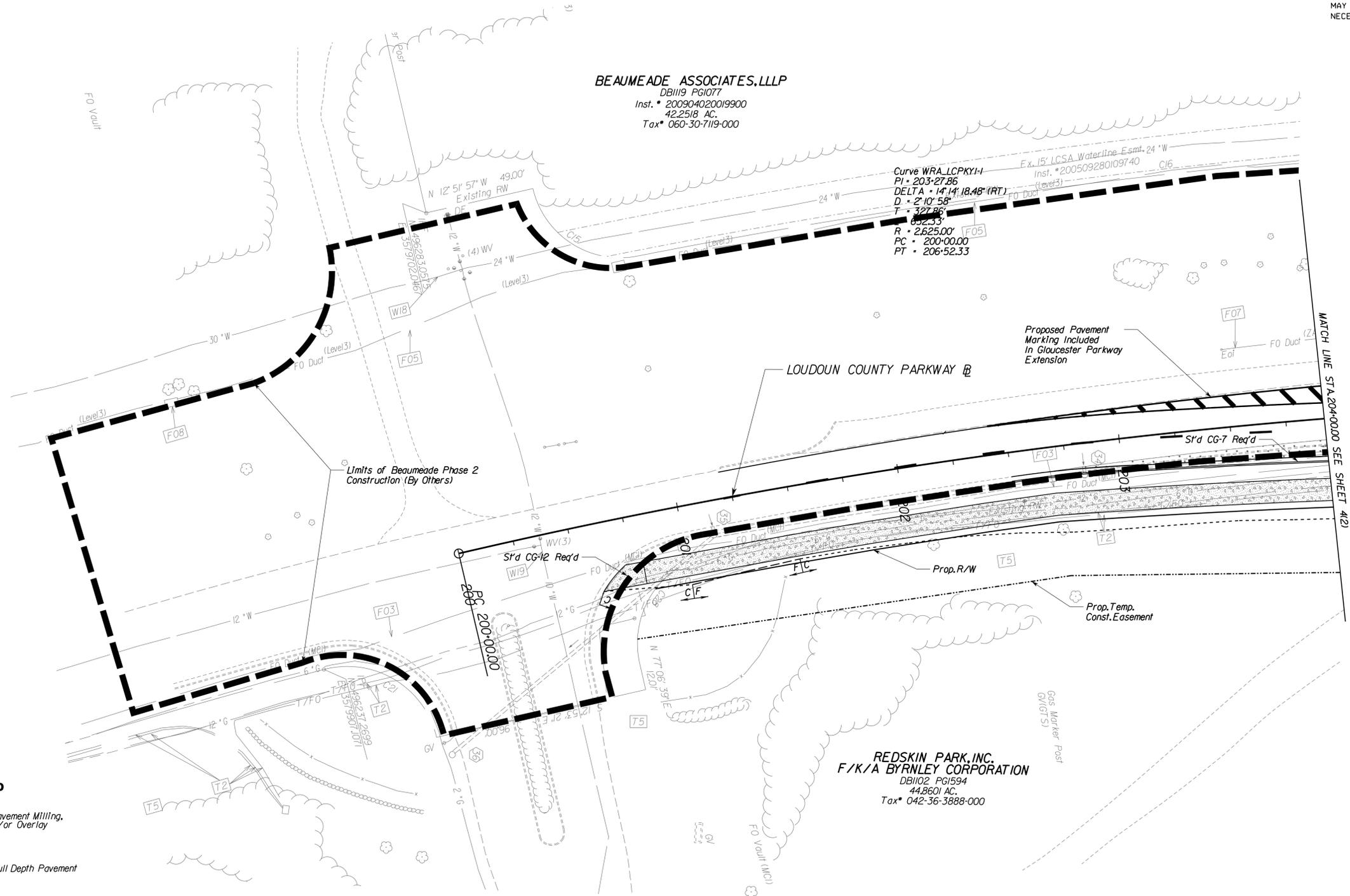
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	2150		2150-053-052 PI01, R201, C501	4(1)

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

BEAUMEADE ASSOCIATES, LLLP
 DB1119 PG1077
 Inst. * 200904020019900
 42.2518 AC.
 Tax* 060-30-7119-000

Curve WRA_LCPKYI-I
 PI = 203+27.86
 DELTA = 14°14'18.48" (RT)
 D = 210' 58"
 T = 327.86'
 E = 852.33'
 R = 2,625.00'
 PC = 200+00.00
 PT = 206+52.33

Ex. 15" LCSA Waterline E-smt. 24" W
 Inst. * 200509280109740
 (Level 3)
 F0 Duct (Z4)



REDSKIN PARK, INC.
 F/K/A BYRNLEY CORPORATION
 DB1102 PG1594
 44.8601 AC.
 Tax* 042-36-3888-000

LEGEND

- Proposed Pavement Milling, Buildup, and/or Overlay
- Proposed Full Depth Pavement
- Proposed Demolition of Pavement
- Proposed Concrete Sidewalk or Shared Use Path

Denotes Construction Limits In Cuts
 Denotes Construction Limits In Fills

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SCALE 0 25' 50'	PROJECT 2150-053-052	SHEET NO. 4(1)
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PROJECT MANAGER: Timothy J. Hartzell, P.E. (703) 259-2749 (Nova)
SURVEYED BY, DATE: Brian P. Fletcher, L.S. (703) 259-2355 (Nova), June 18, 2013
DESIGN BY: WHITMAN, BEQUARDT & ASSOCIATES, LLP (703) 293-9277
SUBSURFACE UTILITY BY, DATE: Johnson, Miraliran & Thompson, Inc. (703) 464-7369, June 24, 2013

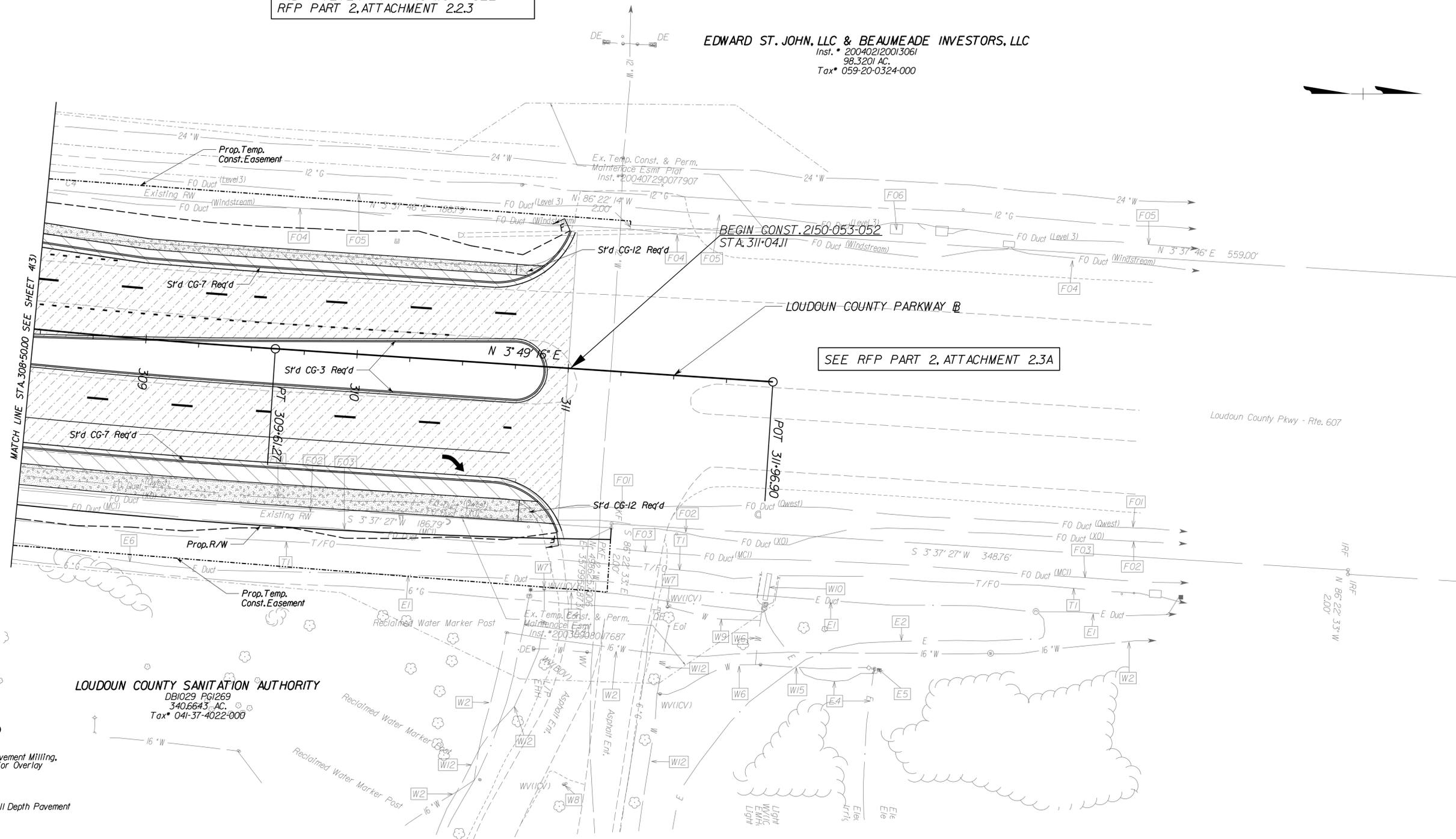


REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	2150	2150-053-052 P101, R201, C501	4(4)

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

NOTE:
FOR ADDITIONAL AREA REQUIRING SIGNING AND PAVEMENT MARKING WORK SEE RFP PART 2, ATTACHMENT 2.2.3

EDWARD ST. JOHN, LLC & BEAUMEADE INVESTORS, LLC
Inst. # 200402120013061
98.3201 AC.
Tax # 059-20-0324-000



SEE RFP PART 2, ATTACHMENT 2.3A

LEGEND

- Proposed Pavement Milling, Buildup, and/or Overlay
- Proposed Full Depth Pavement
- Proposed Demolition of Pavement
- Proposed Concrete Sidewalk or Shared Use Path

C --- Denotes Construction Limits in Cuts
F --- Denotes Construction Limits in Fills

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

SCALE: 0 25' 50'

PROJECT: 2150-053-052

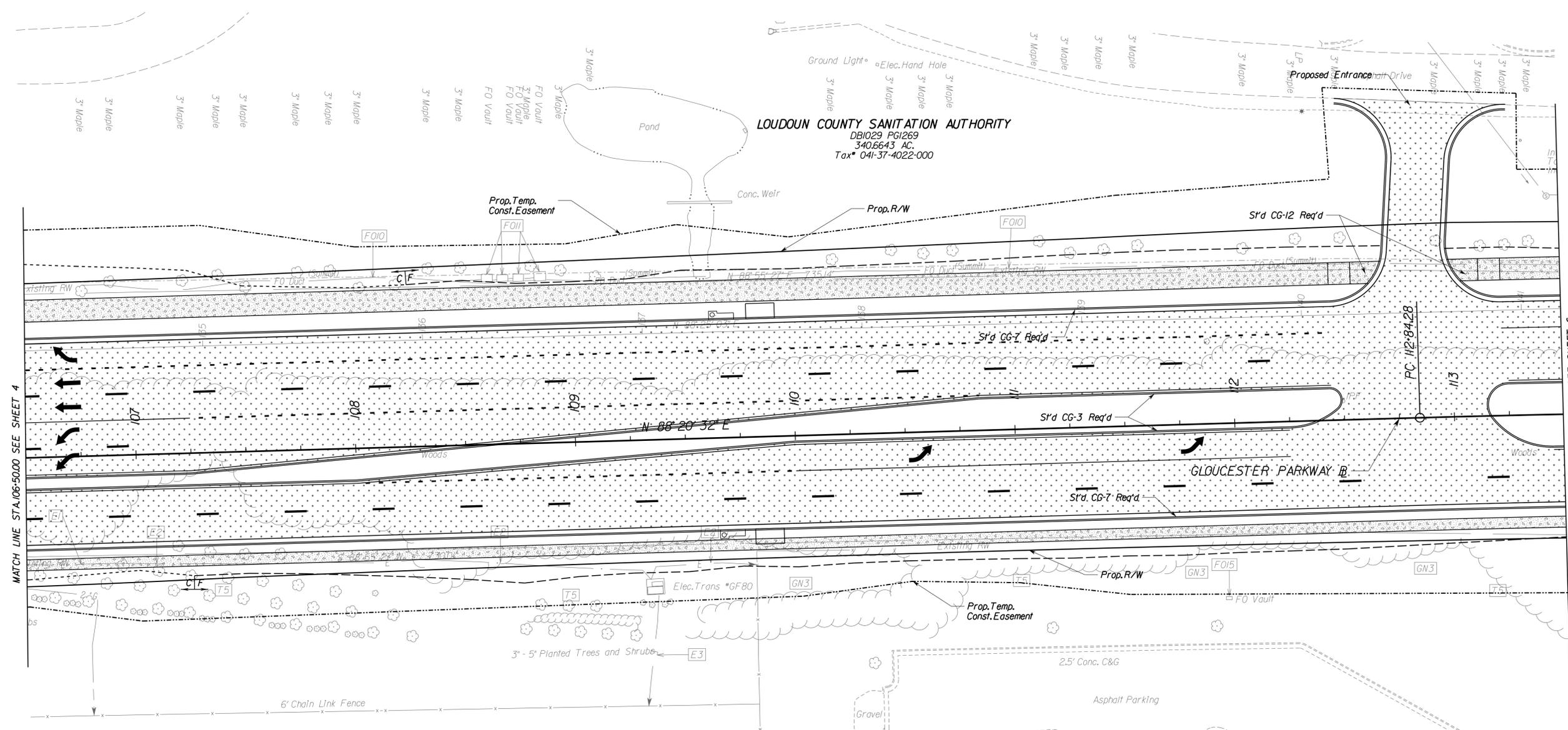
SHEET NO.: 4(4)

PROJECT MANAGER: Timothy J. Hartzell, P.E. (703) 259-2749 (Nova)
SURVEYED BY, DATE: Brian P. Fletcher, L.S. (703) 259-2355 (Nova), June 18, 2013
DESIGN BY: WHITMAN, BEQUARDT & ASSOCIATES, LLP (703) 293-9717
SUBSURFACE UTILITY BY, DATE: Johnson, Miraliran & Thompson, Inc. (703) 464-7369, June 24, 2013



REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	2150		2150-053-052 P101, R201, C501	5

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



LEGEND

	Proposed Pavement Milling, Buildup, and/or Overlay
	Proposed Full Depth Pavement
	Proposed Demolition of Pavement
	Proposed Concrete Sidewalk or Shared Use Path
	Conc. Pad
	Asphalt Apron
	Elec. Equip. on Conc. Pad
	Asphalt Apron

REDSKIN PARK, INC.
F/K/A BYRNLEY CORPORATION
DB1102 PGI594
44.8601 AC.
Tax# 042-36-3888-000

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

SCALE	PROJECT	SHEET NO.
0 25' 50'	2150-053-052	5

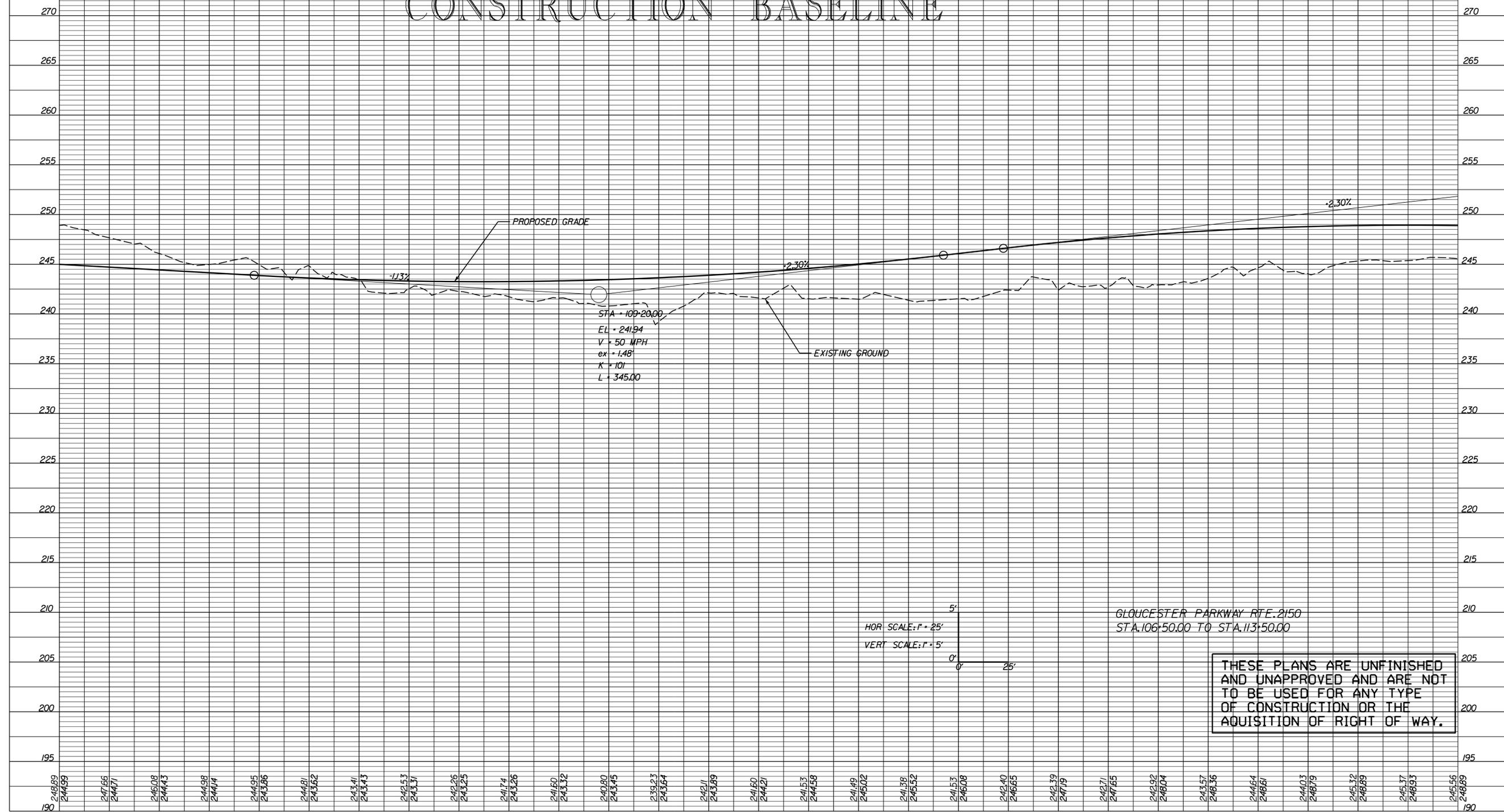
PROJECT MANAGER: *Timothy J. Hartzell, P.E. (703) 259-2749 (Novel)*
 SURVEYED BY, DATE: *Brian P. Fletcher, L.S. (703) 259-2355 (Novel) June 18, 2013*
 DESIGN BY: *WHITMAN, BEQUARDT & ASSOCIATES, LLP. (703) 293-9717*
 SUBSURFACE UTILITY BY, DATE: *Jahson, Mirman & Thompson, Inc. (703) 464-7369, June 24, 2013*



REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	2150		2150-053-052 PIOI, R201, C501	5A

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

GLOUCESTER PARKWAY (RTE. 2150) CONSTRUCTION BASELINE



GLOUCESTER PARKWAY RTE. 2150
STA. 106+50.00 TO STA. 113+50.00

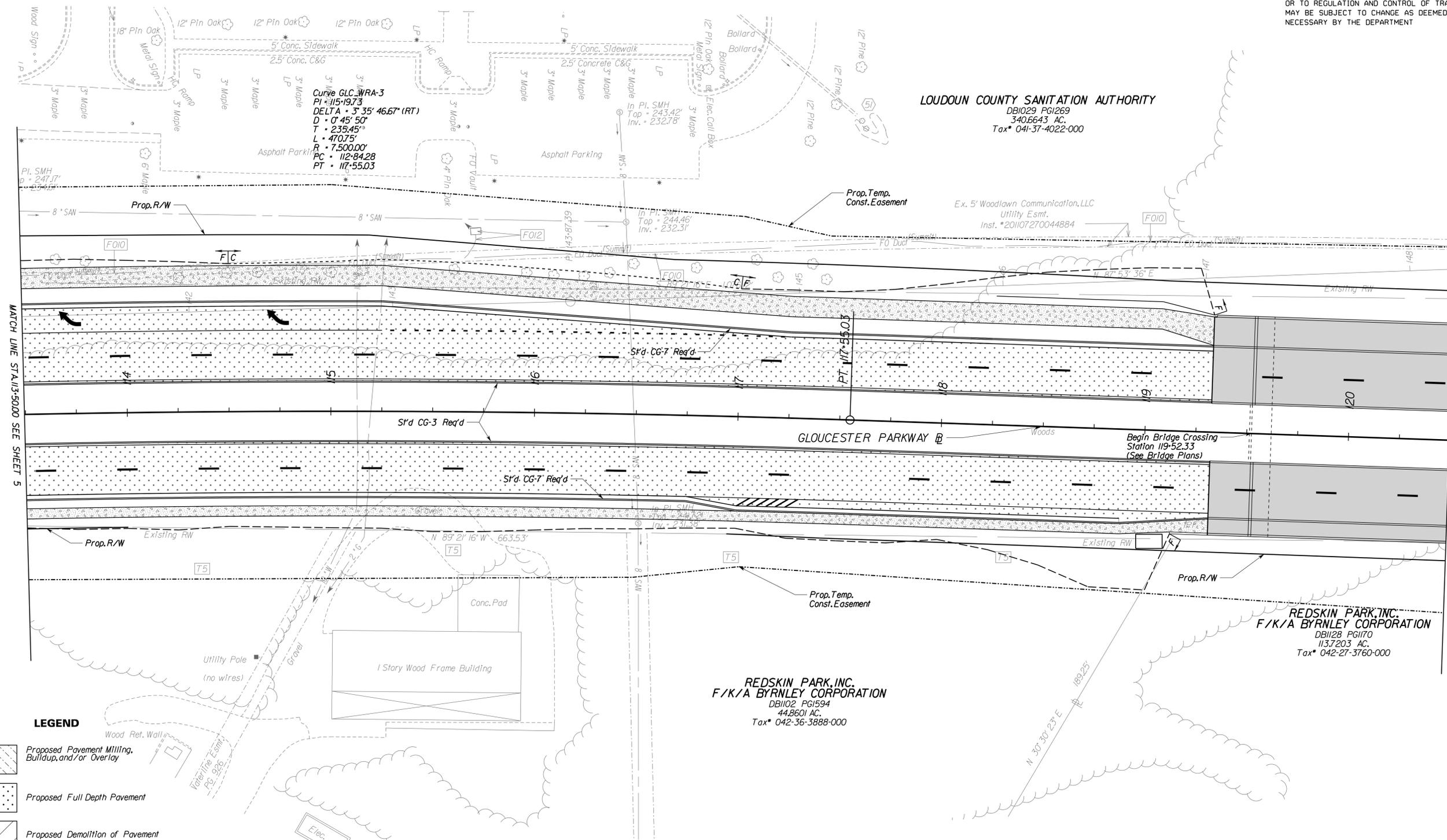
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PROJECT MANAGER: Timothy J. Hartzell, P.E. (703) 259-2749 (Nova)
 SURVEYED BY, DATE: Brian P. Fletcher, L.S. (703) 259-2355 (Nova), June 18, 2013
 DESIGN BY: WHITMAN, BEQUARDT & ASSOCIATES, LLP (703) 293-9717
 SUBSURFACE UTILITY BY, DATE: Johnson, Miraliran & J. Thompson, Inc. (703) 464-7369, June 24, 2013



REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	2150	2150-053-052 P101, R201, C501	6

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



LOUDOUN COUNTY SANITATION AUTHORITY
 DB1029 PG1269
 340.6643 AC.
 Tax* 041-37-4022-000

Ex. 5' Woodlawn Communication, LLC
 Utility Esmt.
 Inst. *201107270044884

REDSKIN PARK, INC.
 F/K/A BYRNLEY CORPORATION
 DB1128 PG1170
 113.7203 AC.
 Tax* 042-27-3760-000

REDSKIN PARK, INC.
 F/K/A BYRNLEY CORPORATION
 DB1102 PG1594
 44.8601 AC.
 Tax* 042-36-3888-000

- LEGEND**
- Proposed Pavement Milling, Buildup, and/or Overlay
 - Proposed Full Depth Pavement
 - Proposed Demolition of Pavement
 - Proposed Concrete Sidewalk or Shared Use Path

C --- Denotes Construction Limits in Cuts
E --- Denotes Construction Limits in Fills

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SCALE	PROJECT	SHEET NO.
0 25' 50'	2150-053-052	6

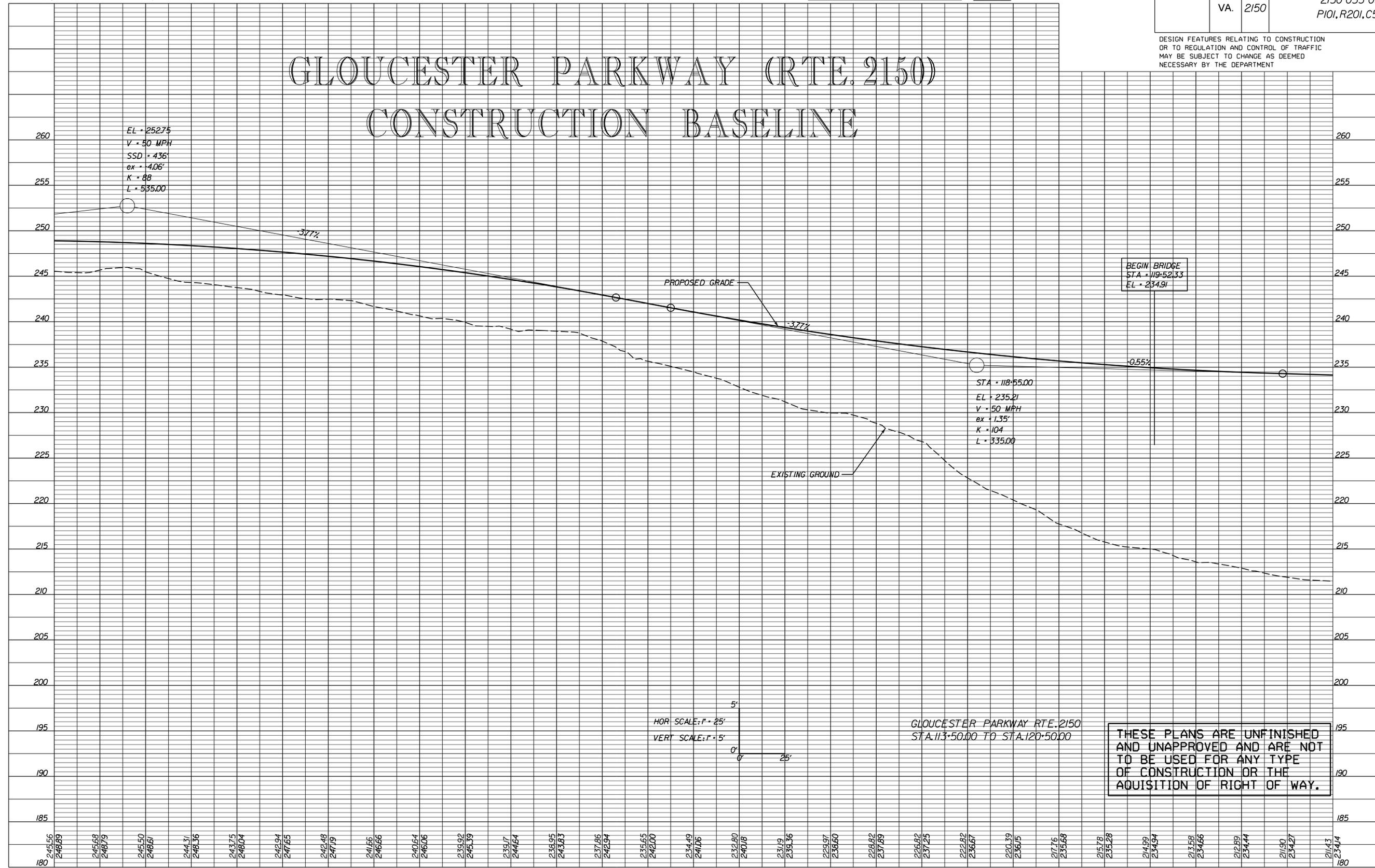
PROJECT MANAGER: Timothy J. Hartzell, P.E. (703) 259-2749 (Novel) -----
 SURVEYED BY, DATE: Brian P. Fletcher, L.S. (703) 259-2355 (Novel) June 18, 2013
 DESIGN BY: WHITMAN, BEQUARDT & ASSOCIATES, LLP (703) 293-9717 -----
 SUBSURFACE UTILITY BY, DATE: Johnson, Mirrean & Thompson, Inc. (703) 464-7369, June 24, 2013



REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	2150	2150-053-052 PIOI, R201, C501	6A

GLOUCESTER PARKWAY (RTE. 2150) CONSTRUCTION BASELINE

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



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PROJECT MANAGER: Timothy J. Hartzell, P.E. (703) 259-2749 (Nova)
 SURVEYED BY, DATE: Edan P. Fletcher, L.S. (703) 259-2355 (Nova), June 18, 2013
 DESIGN BY: WHITMAN, BEQUARDT & ASSOCIATES, LLP (703) 293-9717
 SUBSURFACE UTILITY BY, DATE: Jahson Miraliran & J. Thompson, Inc. (703) 464-7369, June 24, 2013



REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	2150	2150-053-052 PI01, R201, C501	7

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



LOUDOUN COUNTY SANITATION AUTHORITY
 DB1029 PG1269
 340.6643 AC.
 Tax* 041-37-4022-000

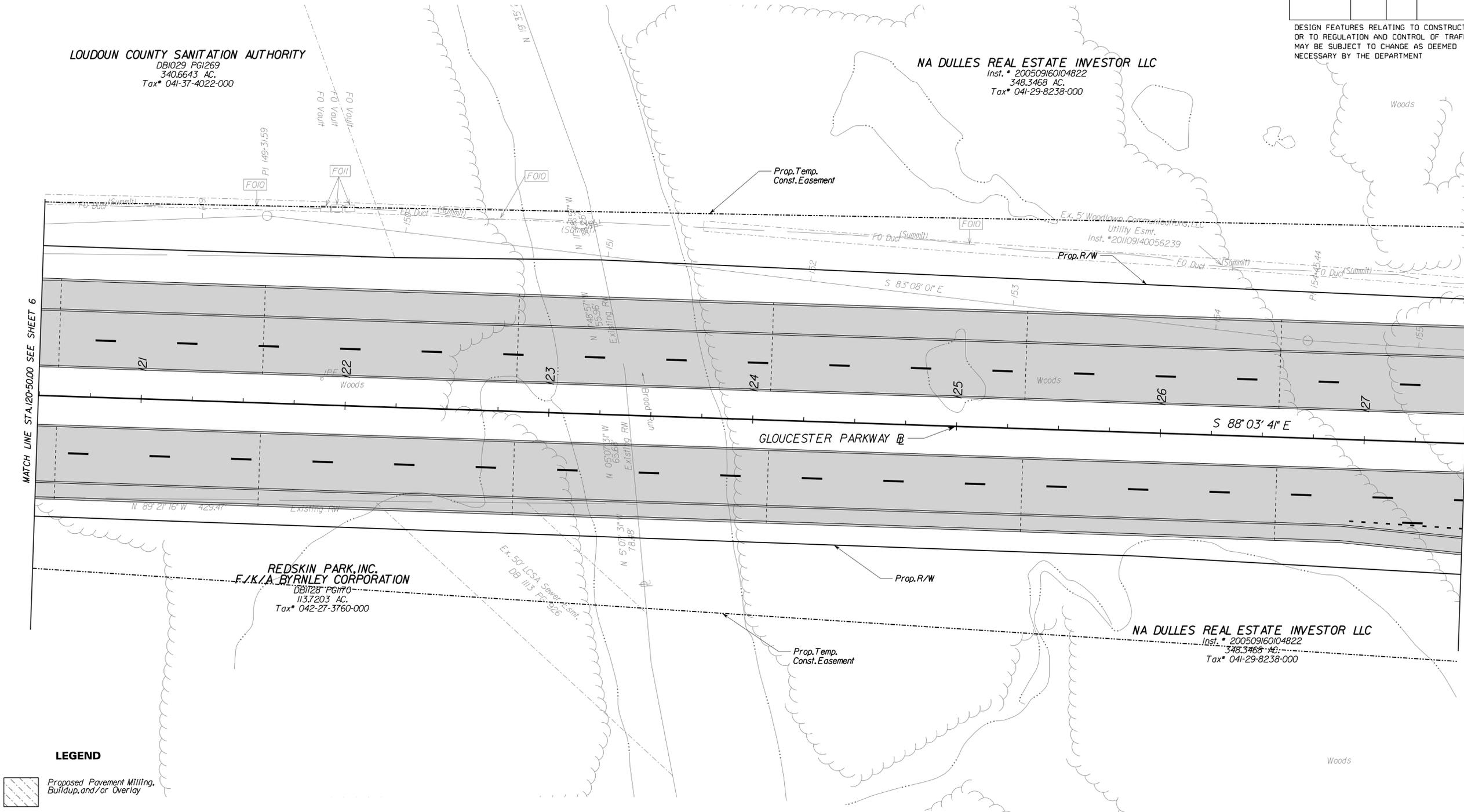
NA DULLES REAL ESTATE INVESTOR LLC
 Inst. # 200509160104822
 348.3468 AC.
 Tax* 041-29-8238-000

**REDSKIN PARK, INC.
 F./K/A BYRNLEY CORPORATION**
 DB1128 PG1170
 113.7203 AC.
 Tax* 042-27-3760-000

NA DULLES REAL ESTATE INVESTOR LLC
 Inst. # 200509160104822
 348.3468 AC.
 Tax* 041-29-8238-000

MATCH LINE STA. 120+50.00 SEE SHEET 6

MATCH LINE STA. 127+50.00 SEE SHEET 8



LEGEND

-  Proposed Pavement Milling, Buildup, and/or Overlay
-  Proposed Full Depth Pavement
-  Proposed Demolition of Pavement
-  Proposed Concrete Sidewalk or Shared Use Path

 Denotes Construction Limits in Cuts
 Denotes Construction Limits in Fills

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PROJECT	SHEET NO.
2150-053-052	7

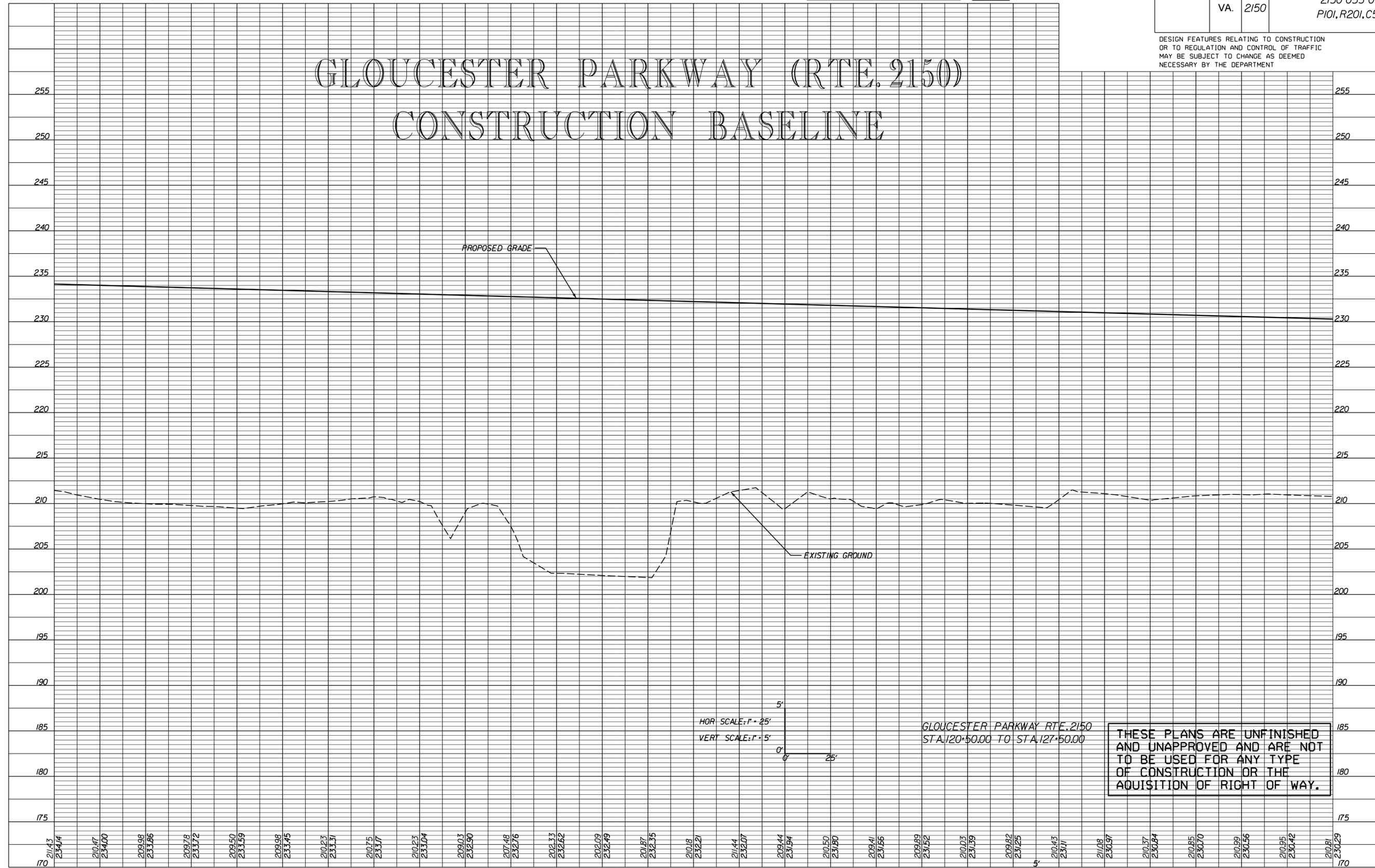
PROJECT MANAGER: Timothy J. Hartzell, P.E. (703) 259-2749 (Novel) -----
 SURVEYED BY, DATE: Brian P. Fletcher, L.S. (703) 259-2355 (Novel) June 18, 2013
 DESIGN BY: WHITMAN, BEQUARDT & ASSOCIATES, LLP. (703) 293-9717 -----
 SUBSURFACE UTILITY BY, DATE: Johnson, Mirman & Thompson, Inc. (703) 464-7369, June 24, 2013



REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	2150		2150-053-052 PIOI, R201, C501	7A

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

GLOUCESTER PARKWAY (RTE. 2150) CONSTRUCTION BASELINE



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

HOR SCALE: 1" = 25'
VERT SCALE: 1" = 5'

GLOUCESTER PARKWAY RTE. 2150
STA 120+50.00 TO STA 127+50.00

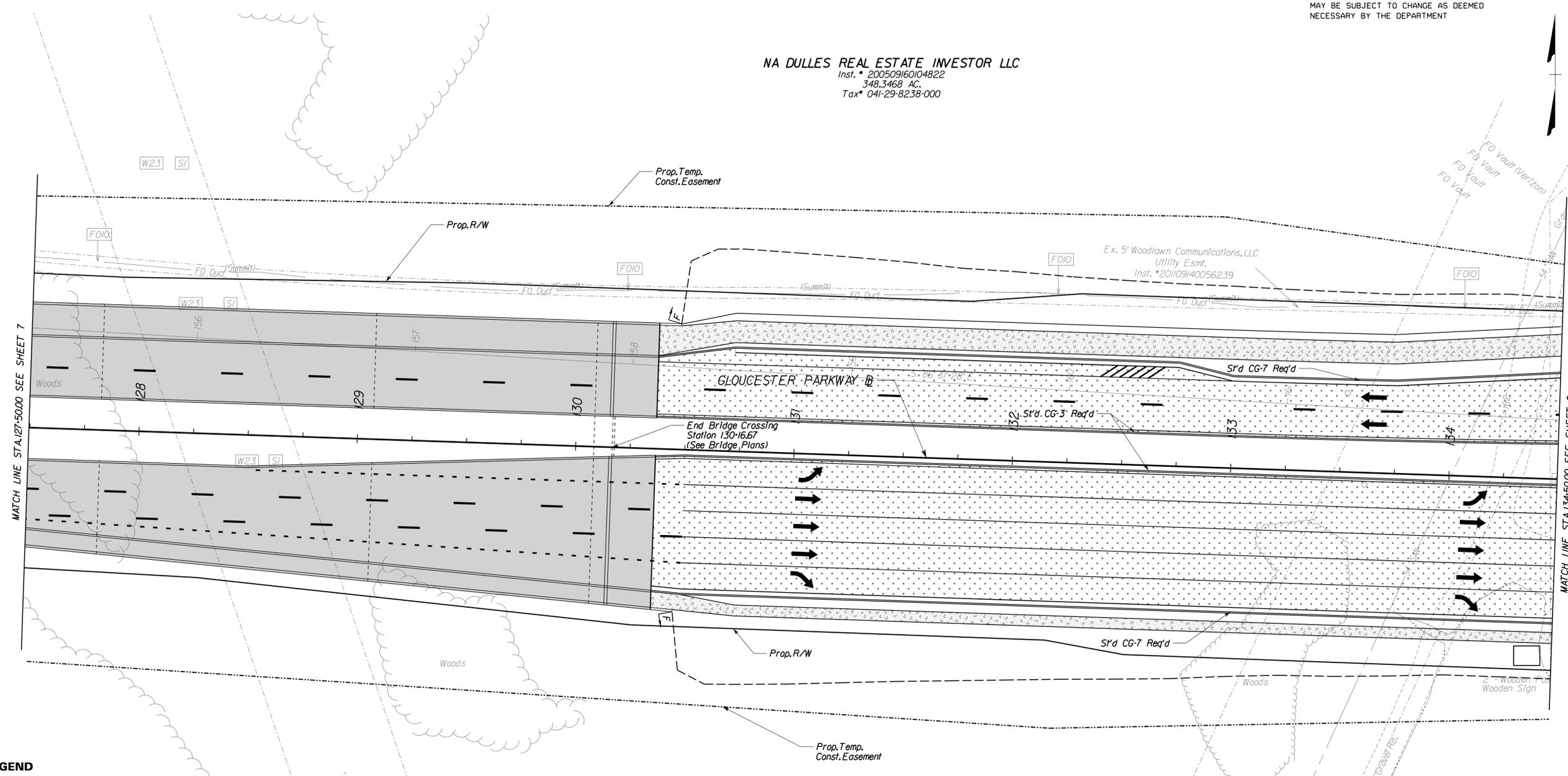
PROJECT MANAGER: Timothy J. Hartzell, P.E. (703) 259-2749 (Nova)
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 SUBSURFACE UTILITY BY, DATE: Johnson, Miraliran & Trompson, Inc. (703) 464-7369, June 24, 2013



REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	2150	2150-053-052 P101, R201, C501	8

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

NA DULLES REAL ESTATE INVESTOR LLC
 Inst. # 200509160104822
 348,3468 AC.
 Tax# 041-29-8238-000



LEGEND

- Proposed Pavement Milling, Buildup, and/or Overlay
- Proposed Full Depth Pavement
- Proposed Demolition of Pavement
- Proposed Concrete Sidewalk or Shared Use Path

Denotes Construction Limits in Cuts
 Denotes Construction Limits in Fills

NA DULLES REAL ESTATE INVESTOR LLC
 Inst. # 200509160104822
 348,3468 AC.
 Tax# 041-29-8238-000

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SCALE 0 25' 50'	PROJECT 2150-053-052	SHEET NO. 8
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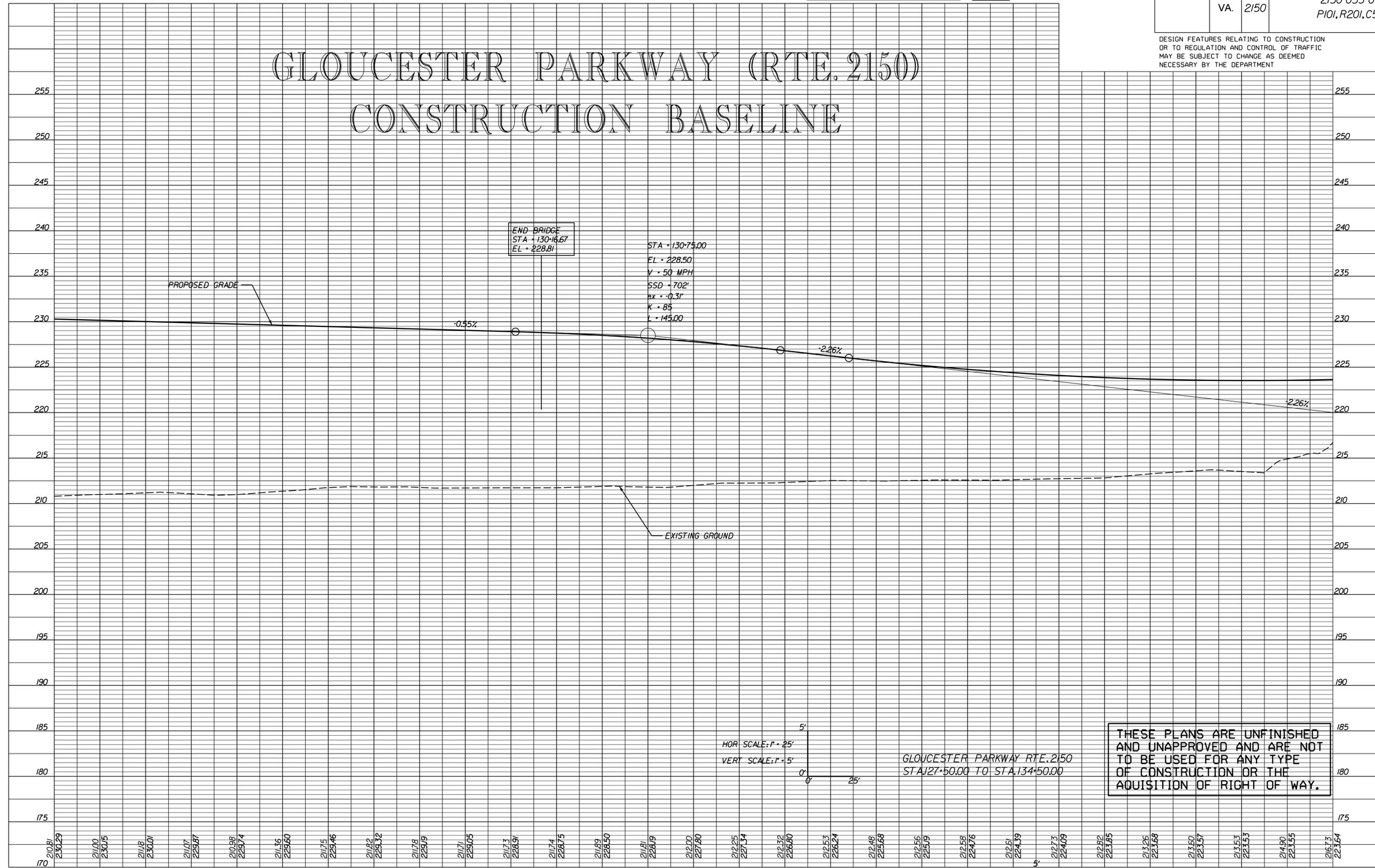
PROJECT MANAGER: Timothy J. Hartzell, P.E. (703) 259-2749 (Novel) -----
 SURVEYED BY, DATE: Brian P. Fletcher, L.S. (703) 259-2355 (Novel) June 18, 2013
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 SUBSURFACE UTILITY BY, DATE: Johnson, Mirman & Thompson, Inc. (703) 464-7369, June 24, 2013



REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	2150		2150-053-052 PIOI, R201, C501	8A

GLOUCESTER PARKWAY (RTE. 2150) CONSTRUCTION BASELINE

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



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GLOUCESTER PARKWAY RTE. 2150
STA 127+50.00 TO STA 134+50.00

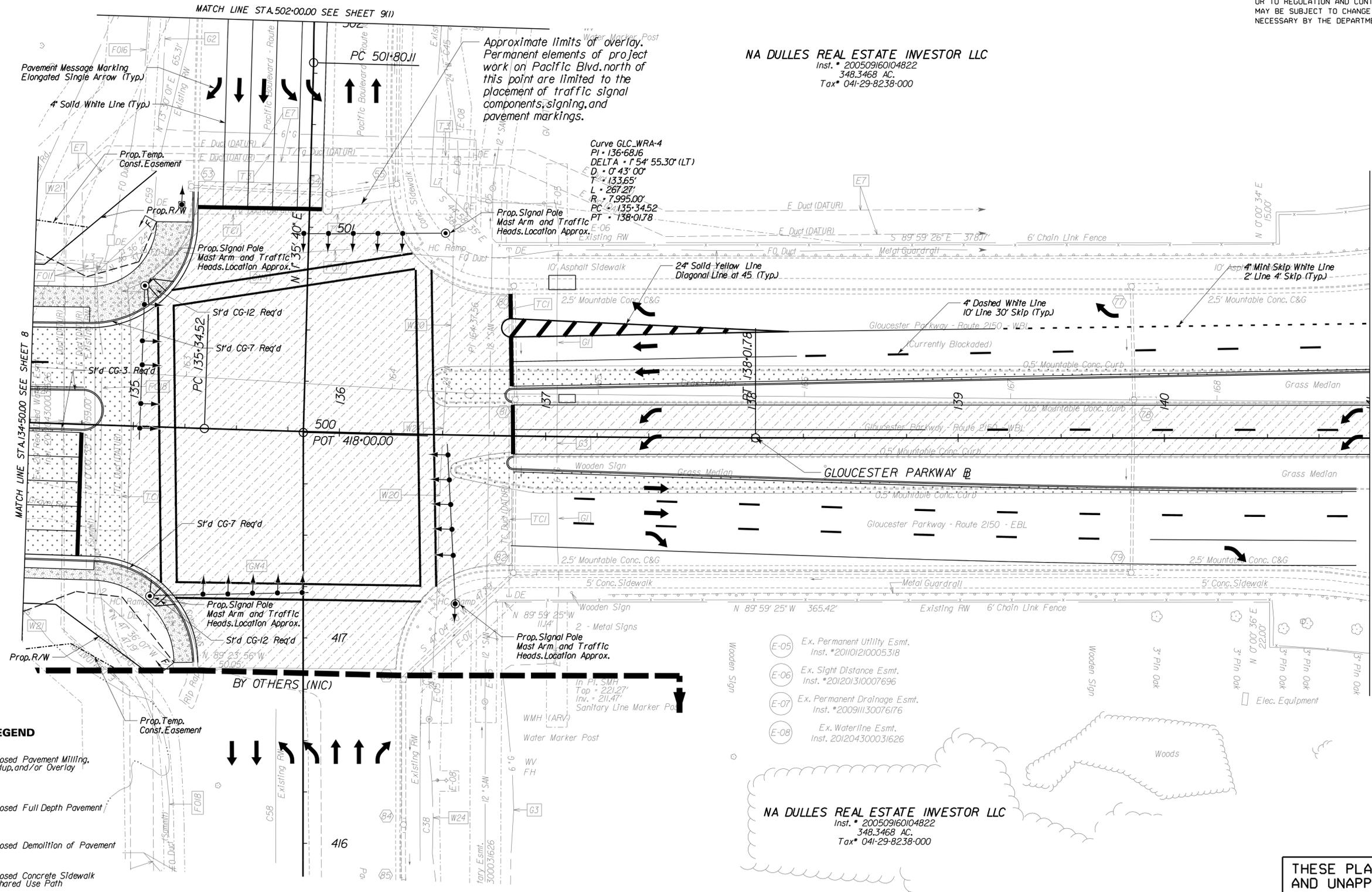
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 DESIGN BY WHITMAN, BEQUARDT & ASSOCIATES, LLP (703) 293-9217
 SUBSURFACE UTILITY BY: DATE Johnson, Miralman & Thompson, Inc. (703) 464-7369, June 24, 2013

* EXISTING PAVEMENT MARKINGS
 ON NORTH BOUND PACIFIC BLVD.
 ARE TO REMAIN.



REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	2150	2150-053-052 P101, R201, C501	9

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



NA DULLES REAL ESTATE INVESTOR LLC
 Inst. # 200509160104822
 348.3468 AC.
 Tax# 041-29-8238-000

- (E-05) Ex. Permanent Utility Esmt.
Inst. #201101210005318
- (E-06) Ex. Sight Distance Esmt.
Inst. #201201310007696
- (E-07) Ex. Permanent Drainage Esmt.
Inst. #200911130076176
- (E-08) Ex. Water Line Esmt.
Inst. 201204300031626

NA DULLES REAL ESTATE INVESTOR LLC
 Inst. # 200509160104822
 348.3468 AC.
 Tax# 041-29-8238-000

LEGEND

- Proposed Pavement Milling, Buildup, and/or Overlay
- Proposed Full Depth Pavement
- Proposed Demolition of Pavement
- Proposed Concrete Sidewalk or Shared Use Path

Denotes Construction Limits in Cuts
 Denotes Construction Limits in Fills

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

SCALE	PROJECT	SHEET NO.
0 25' 50'	2150-053-052	9

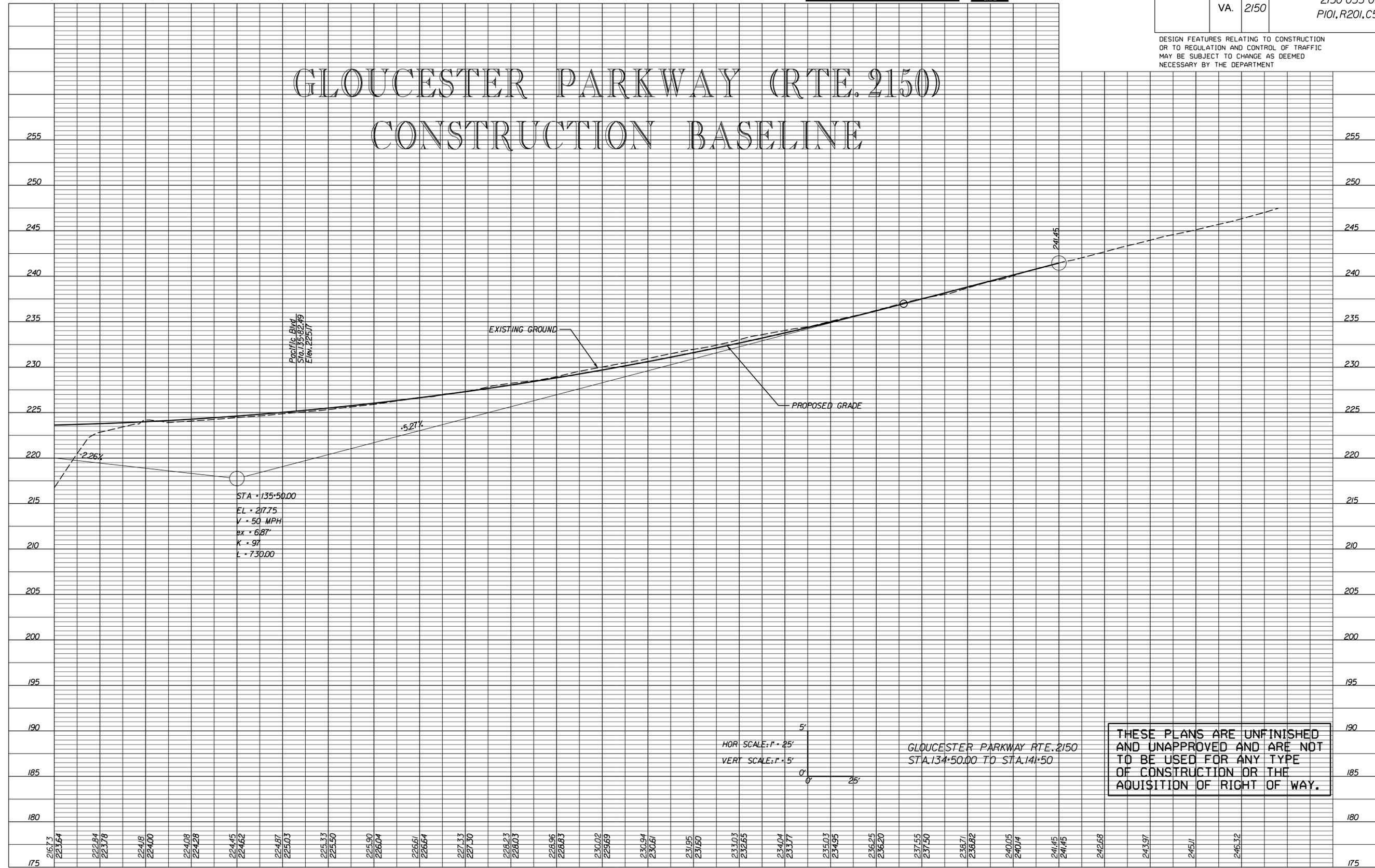
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 SURVEYED BY: DATE Brian P. Fletcher, L.S. (703) 259-2355 (Novel) June 18, 2013
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 SUBSURFACE UTILITY BY: DATE Johnson, Mirman & Thompson, Inc. (703) 464-7369, June 24, 2013



REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	2150		2150-053-052 P101, R201, C501	9A

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

GLOUCESTER PARKWAY (RTE. 2150) CONSTRUCTION BASELINE



135+00.00 136+00.00 137+00.00 138+00.00 139+00.00 140+00.00 141+00.00

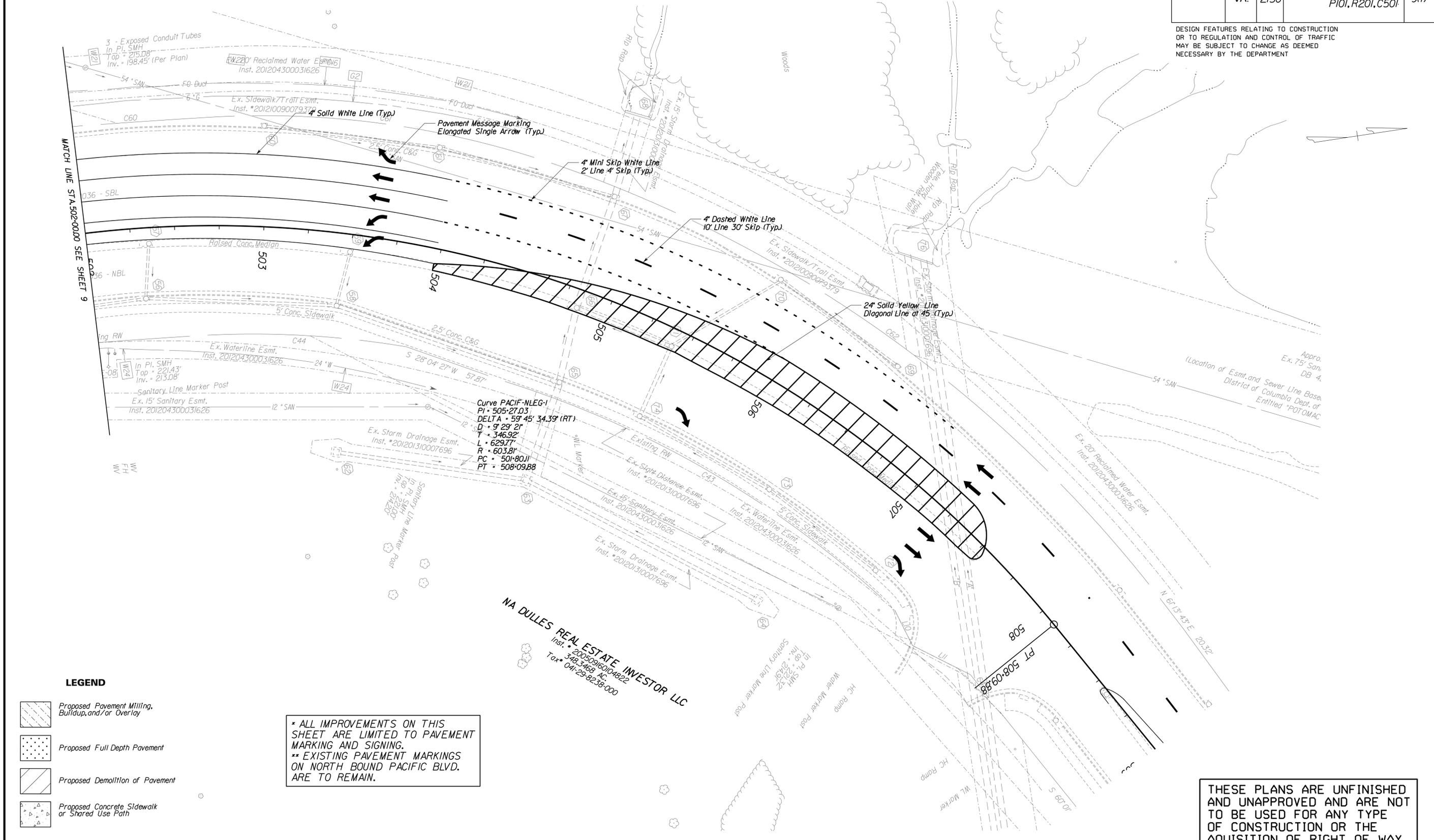
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PROJECT MANAGER: Timothy J. Hartzell, P.E. (703) 259-2749 (Nova)
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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	2150	2150-053-052 P101, R201, C501	9(1)

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



NA DULLES REAL ESTATE INVESTOR LLC
 Inst. # 20050916010-4822
 Tax # 041-29-8-238-000

LEGEND

- Proposed Pavement Milling, Buildup, and/or Overlay
- Proposed Full Depth Pavement
- Proposed Demolition of Pavement
- Proposed Concrete Sidewalk or Shared Use Path

* ALL IMPROVEMENTS ON THIS SHEET ARE LIMITED TO PAVEMENT MARKING AND SIGNING.
 ** EXISTING PAVEMENT MARKINGS ON NORTH BOUND PACIFIC BLVD. ARE TO REMAIN.

Denotes Construction Limits in Cuts
 Denotes Construction Limits in Fills

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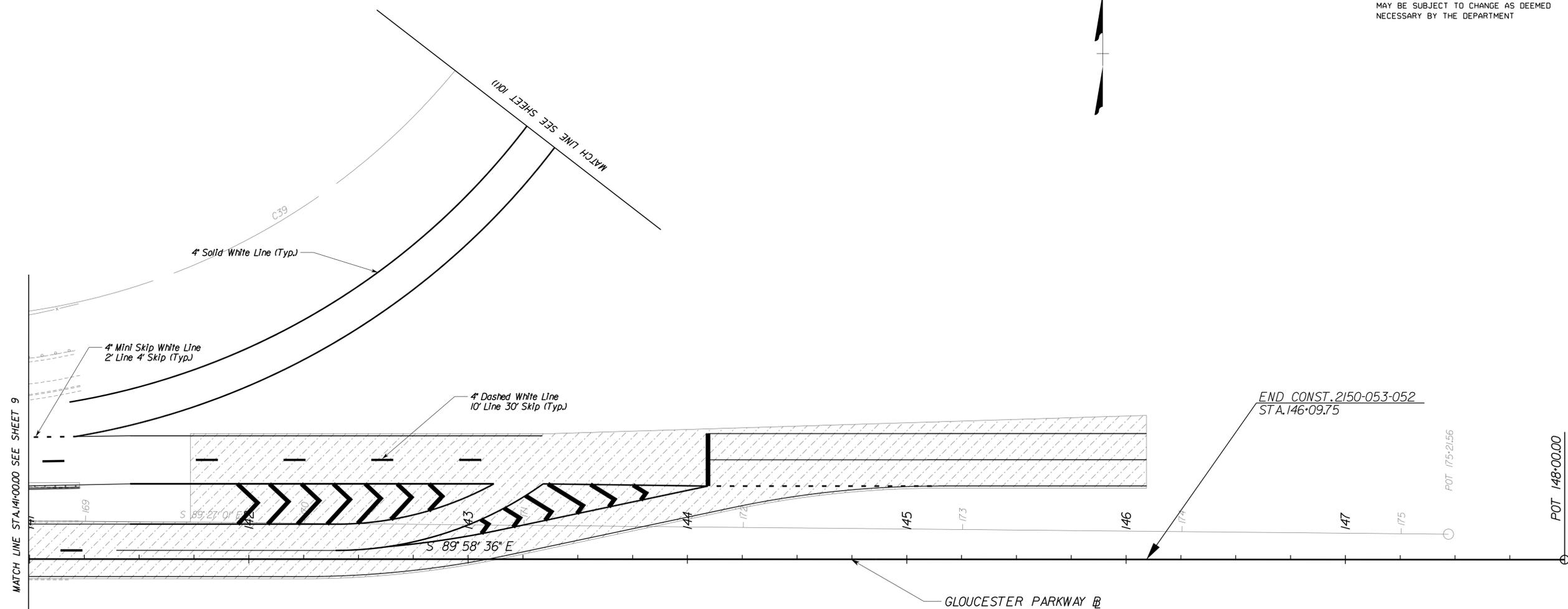
SCALE 0 25' 50'	PROJECT 2150-053-052	SHEET NO. 9(1)
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PROJECT MANAGER: Timothy J. Hartzell, P.E. (703) 259-2749 (Nova)
 SURVEYED BY, DATE: Brian P. Fletcher, L.S. (703) 259-2355 (Nova), June 18, 2013
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 SUBSURFACE UTILITY BY, DATE: Johnson, Miraliran & Thompson, Inc. (703) 464-7369, June 24, 2013



REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	2150	2150-053-052 P101, R201, C501	10

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



LEGEND

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SCALE: 0 25' 50'

PROJECT: 2150-053-052

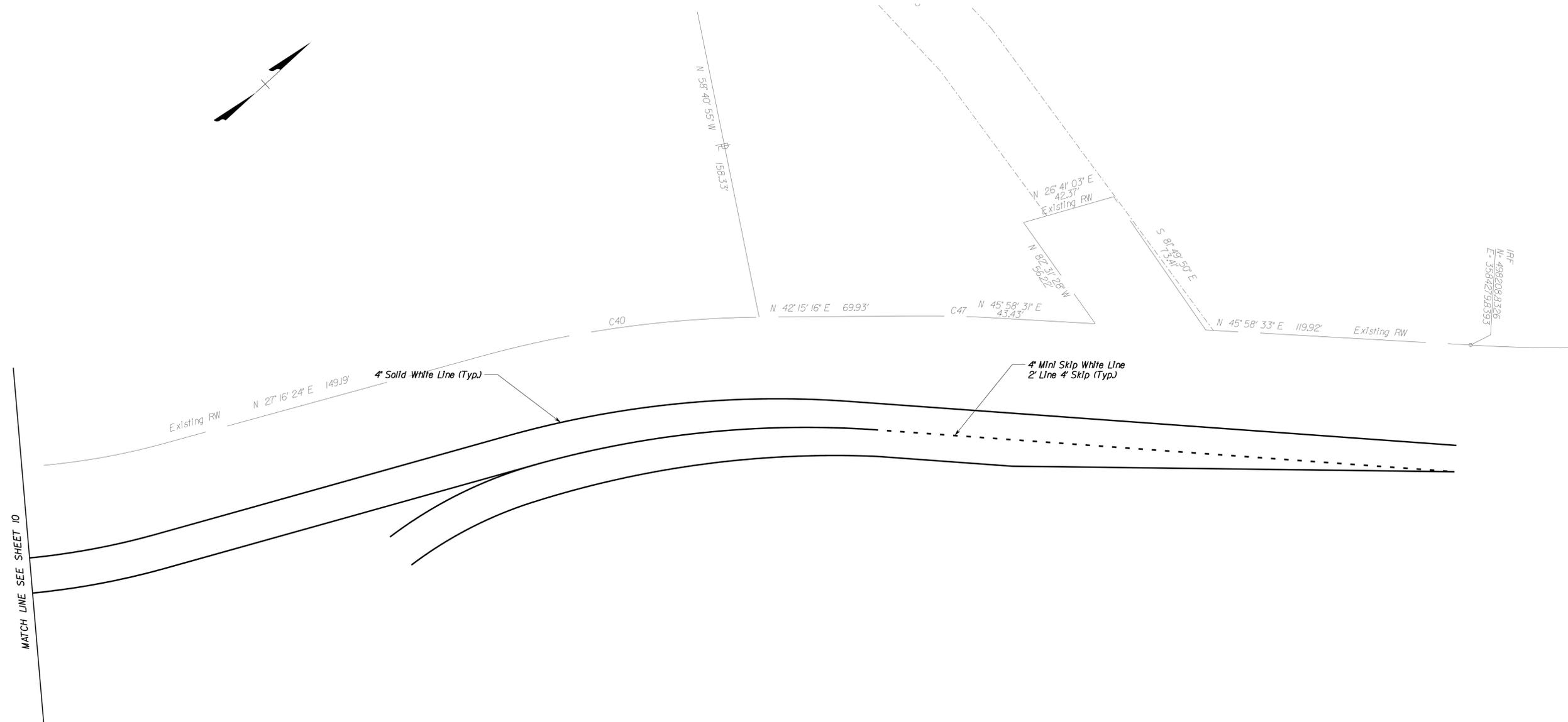
SHEET NO.: 10

PROJECT MANAGER: Timothy J. Hartzell, P.E. (703) 259-2749 (Nova) -----
 SURVEYED BY, DATE: Brian P. Fletcher, L.S. (703) 259-2355 (Nova), June 18, 2013
 DESIGN BY: WHITMAN, BEQUARDT & ASSOCIATES, LLP (703) 293-9717 -----
 SUBSURFACE UTILITY BY, DATE: Johnson, Miraliran & Trompson, Inc. (703) 464-7369, June 24, 2013



REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	2150	2150-053-052 P101, R201, C501	10(1)

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



LEGEND

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SCALE: 0 25 50'

PROJECT: 2150-053-052

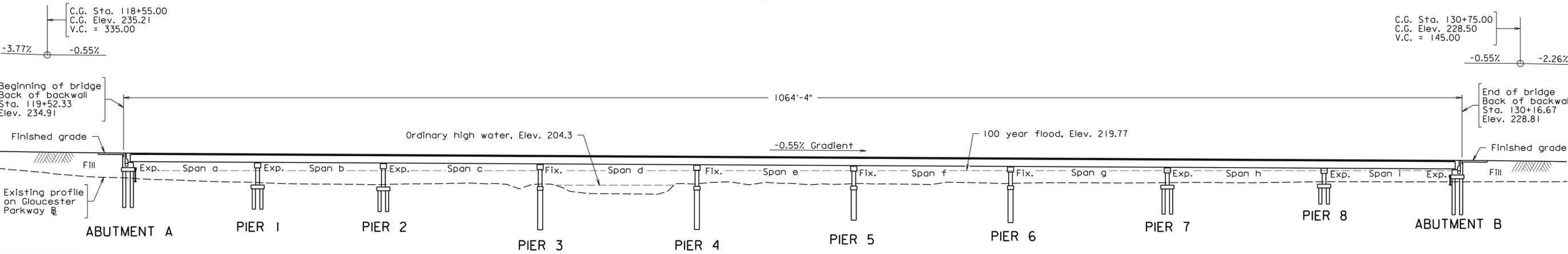
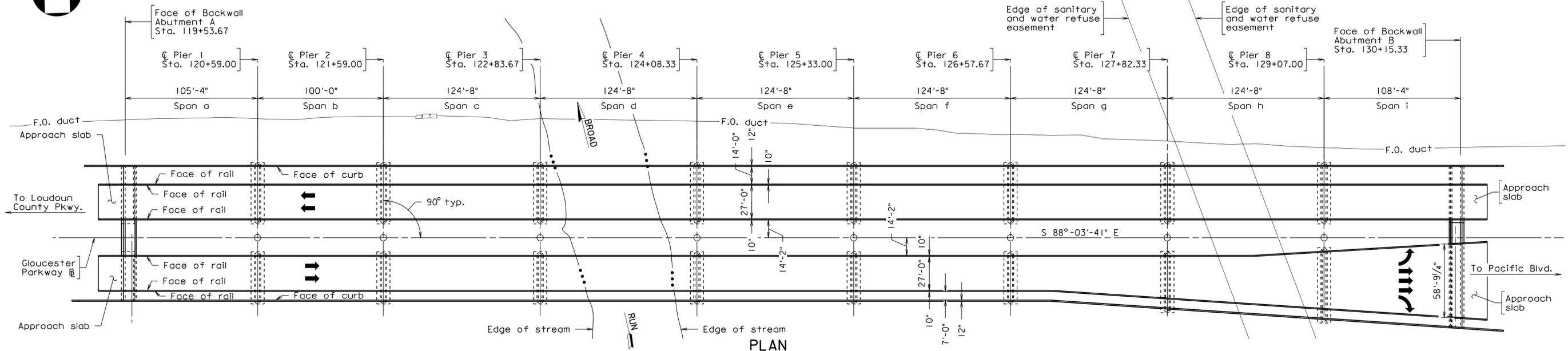
SHEET NO.: 10(1)

4.2.3

Conceptual Bridge Plans



STATE	ROUTE	FEDERAL AID PROJECT	STATE	ROUTE	PROJECT	SHEET NO.
VA.	2150		2150	2150-053-052		I
NBIS Number:			UPC No. 104418			
Federal Oversight Code: N/A			FHWA Construction and Scour Code: X081-S5			



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:

DESIGN EXCEPTION(S):
None

GENERAL NOTES:
The original approved sheet, including original signatures, is filed in the VDOT Central Office. Any misuse of electronic files, including scanned signatures is illegal. Violators will be prosecuted to the full extent of the applicable laws.

Width: WBL - 14'-0" multiuse trail, 27'-0" face-to-face of rail. Overall width 41'-10" face-to-face of rails/curbs.

EBL - Varies 27'-0" face-to-face of rail - 58'-9" face-to-face of rail, 7'-0" sidewalk. Overall width varies 34'-10" to 66'-7" face-to-face of rails/curbs.

Span layout: 105'-4" - 100'-0" - 6-124'-8" - 108'-4" prestressed concrete 69" bulb-T beam spans continuous for live load.

Capacity: HL-93 loading.

Drainage area: Approx. 59 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.

WBL ELEVATION

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

Design loading includes 20 psf allowance for construction tolerances and construction methods. Design loading includes 15 psf allowance for 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 8000 psi and a minimum compressive cylinder strength at time of release of strands equal to 6400 psi.

Low permeability concrete shall be used in this project.

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

PRELIMINARY PLANS
THESE PLANS NOT TO BE USED FOR CONSTRUCTION

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

VDOT

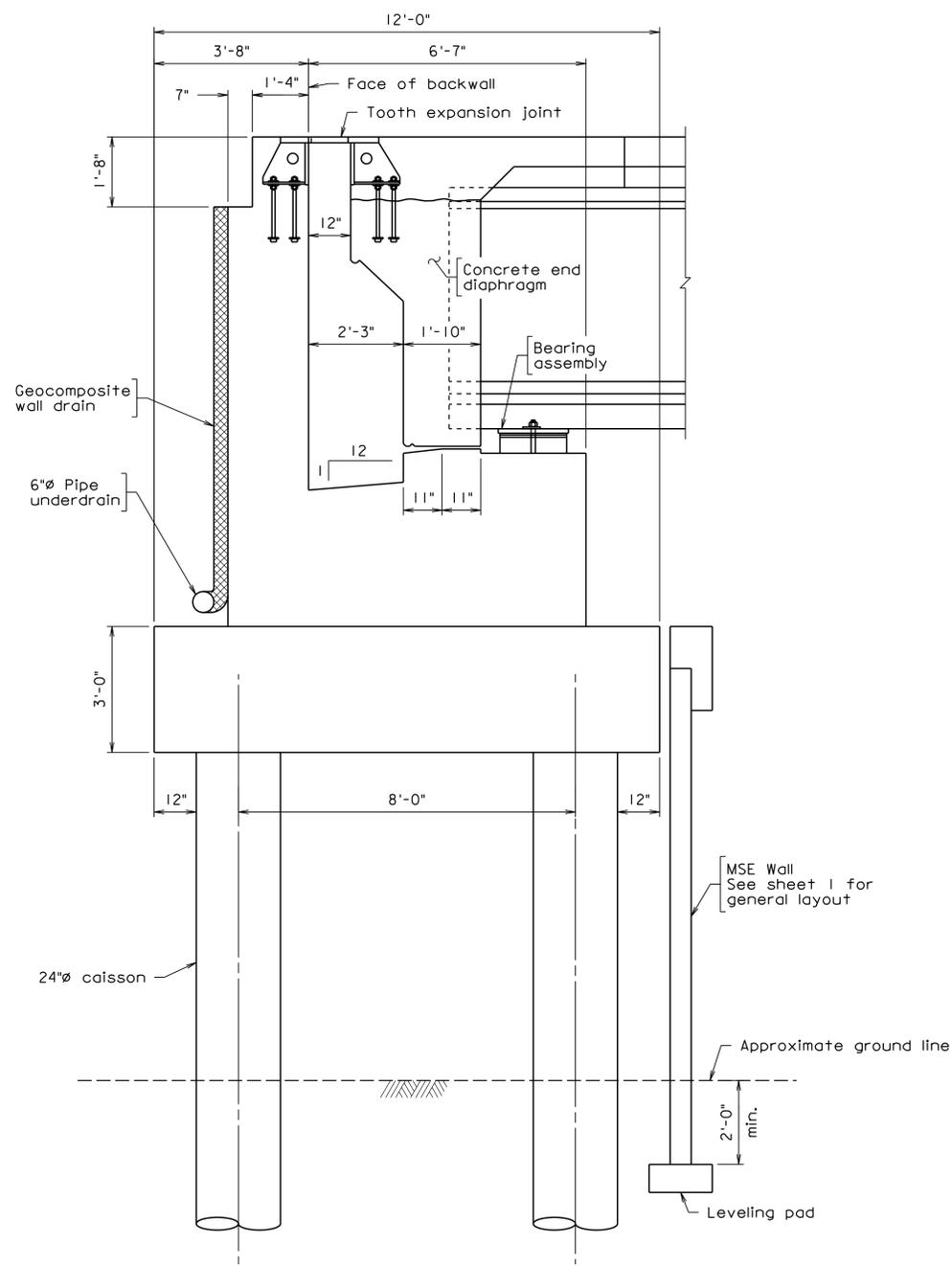
COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
PROPOSED BRIDGE ON
ROUTE 2150 (GLOUCESTER PARKWAY)
OVER BROAD RUN
LOUDOUN COUNTY, 0.2 MI. W. RTE. 607
PROJ. 2150-053-052

Recommended for Approval: _____ Date _____
State Structure and Bridge Engineer

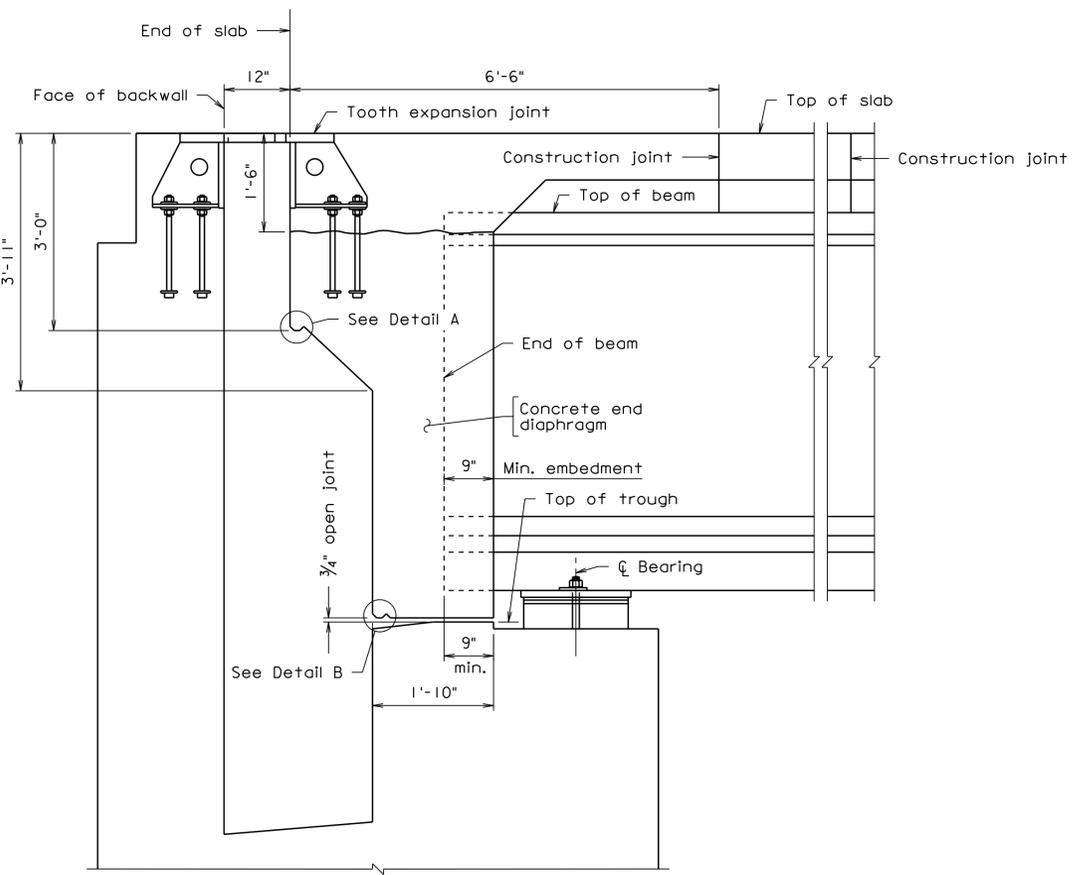
Approved: _____ Date _____
Chief Engineer

Date: January 2014 © 2014, Commonwealth of Virginia Sheet 1 of 4

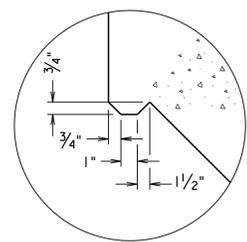
295-81



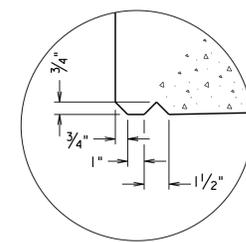
TYPICAL ABUTMENT SECTION
 (Abutment A shown, Abutment B similar)



TYPICAL END DIAPHRAGM
 Scale: 3/4" = 1'-0"



DETAIL A
 Not to scale



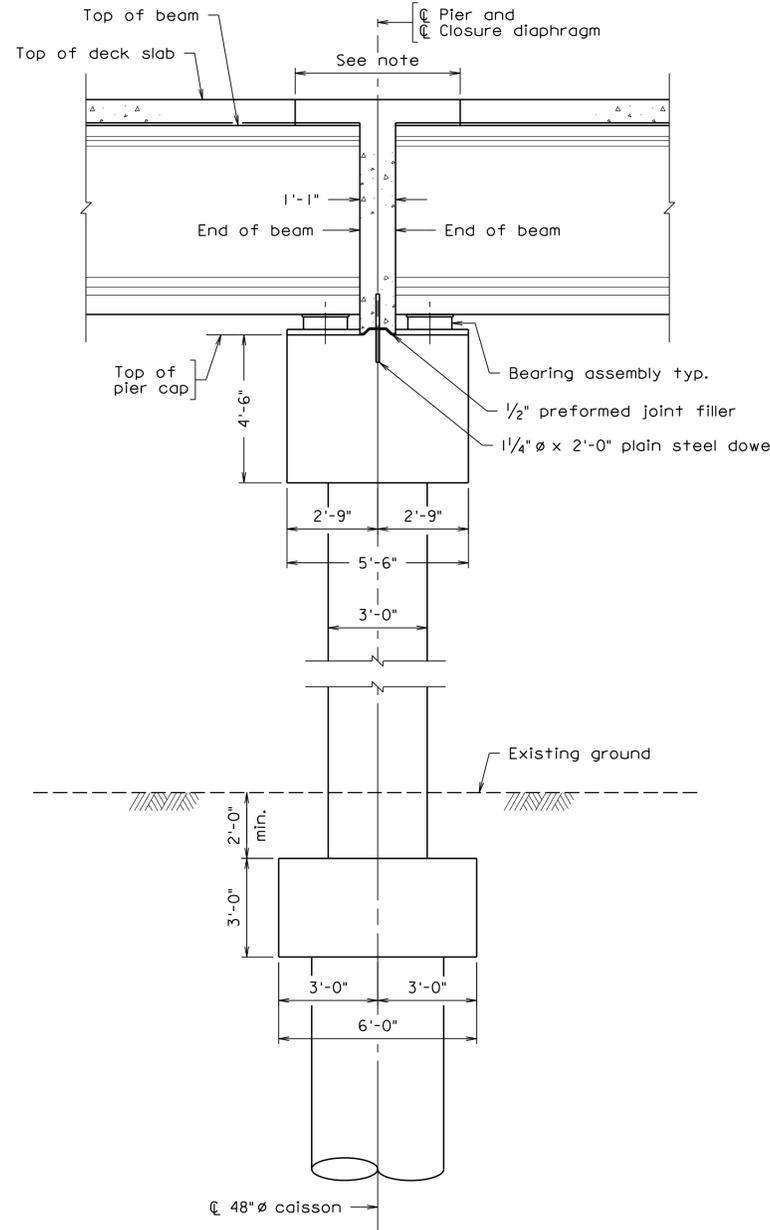
DETAIL B
 Not to scale

Scale: 1/2" = 1'-0" unless otherwise noted.

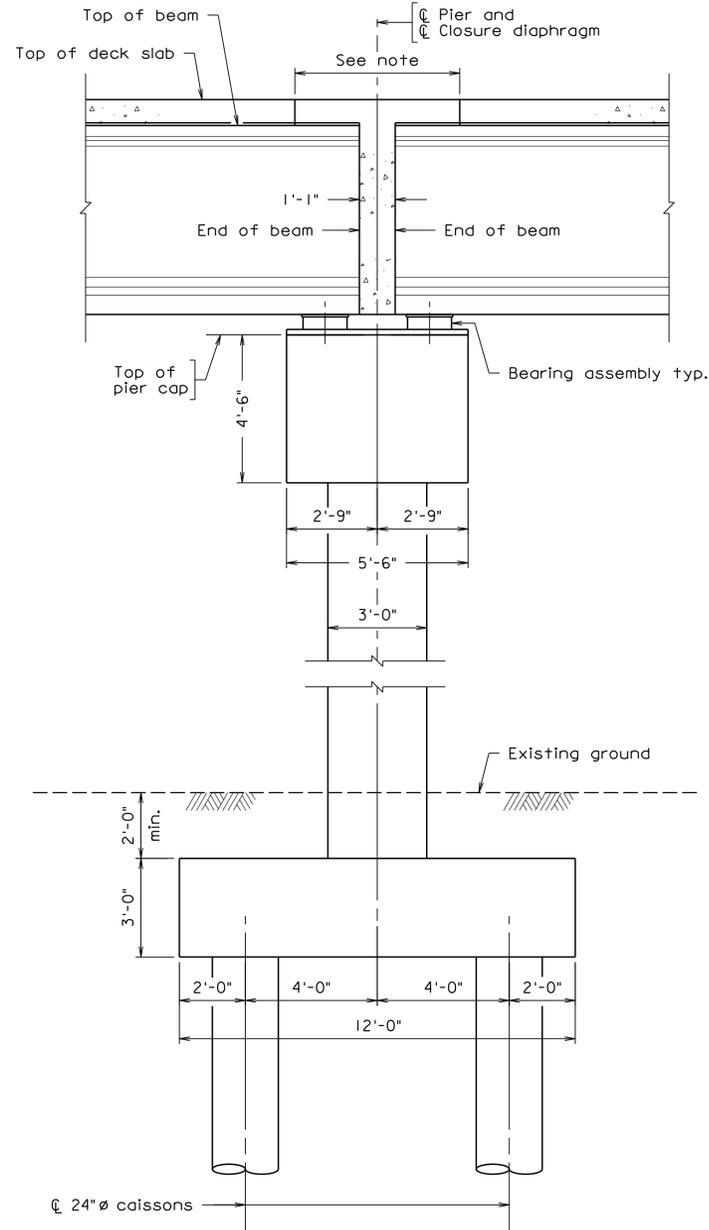
PRELIMINARY PLANS
 THESE PLANS NOT TO BE USED
 FOR CONSTRUCTION

WHITMAN REQUARDT & ASSOCIATES
 RICHMOND, VA
 STRUCTURAL ENGINEER

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION			
STRUCTURE AND BRIDGE DIVISION			
ABUTMENT			
No.	Description	Date	Designed: WRA..... Drawn: WRA..... Checked: WRA.....
		Jan. 2014	Date
		295-81	Plan No.
		2 of 4	Sheet No.
Revisions			



PIER AT FIXED BEARING
(Section shown between beams)



PIER AT EXPANSION BEARINGS
(Section shown between beams)

Note:
This portion of the deck slab shall be cast with the closure diaphragm. Dimensions and placement schedule to be determined.
Pier type to be wall pier with rounded ends.

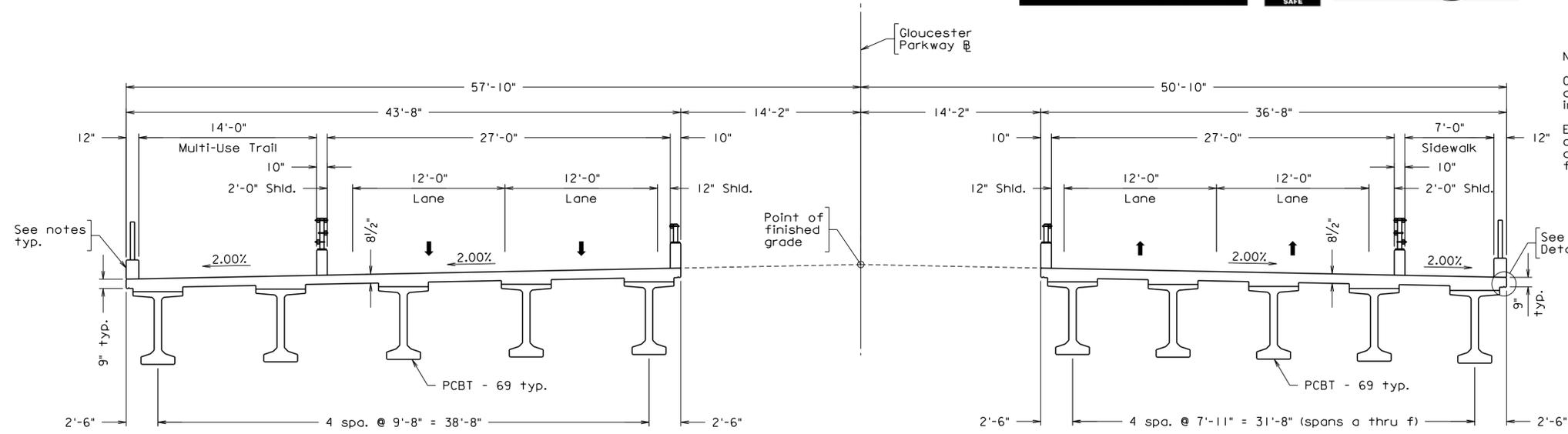
WHITMAN REQUARDT & ASSOCIATES
RICHMOND, VA
STRUCTURAL ENGINEER

PRELIMINARY PLANS
THESE PLANS NOT TO BE USED
FOR CONSTRUCTION

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

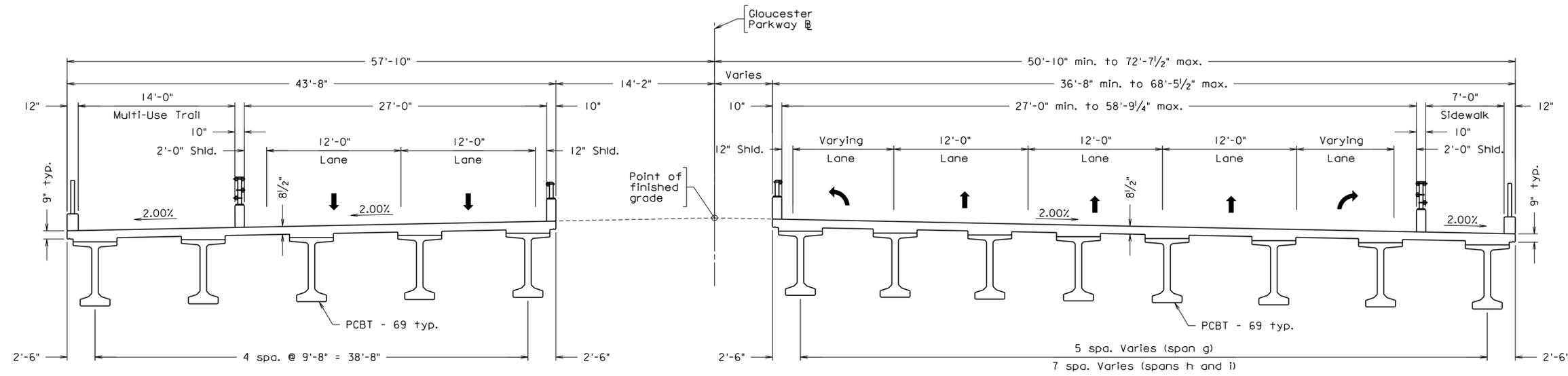
© 2014, Commonwealth of Virginia

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION			
STRUCTURE AND BRIDGE DIVISION			
PIERS			
No.	Description	Date	Revisions
Designed: WRA	Drawn: WRA	Checked: WRA	Date: Jan. 2014
Plan No.	Sheet No.		
295-81	3 of 4		

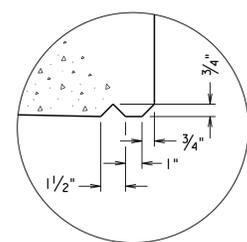


Notes:
 Conduit for future lighting and traffic signal interconnection, and deck drainage system not shown. These items to be incorporated into the final design plans.
 Exterior railing on sidewalk and shared use path to be a combination of a concrete parapet wall and a pedestrian and/or bicycle rated metal fence totaling 4'-6" in height from top of deck slab.

TRANSVERSE SECTION (SPAN a THROUGH SPAN f)



TRANSVERSE SECTION (SPAN g THROUGH SPAN i)



DRIP DETAIL
Not to scale

PRELIMINARY PLANS
 THESE PLANS NOT TO BE USED FOR CONSTRUCTION

WHITMAN REQUARDT & ASSOCIATES
 RICHMOND, VA
 STRUCTURAL ENGINEER

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

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COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION			
STRUCTURE AND BRIDGE DIVISION			
TRANSVERSE SECTION			
No.	Description	Date	Revisions
Designed: WRA	Drawn: WRA	Checked: WRA	Date: Jan. 2014
Plan No.	Sheet No.		
295-81	4 of 4		

4.2.4.1

Proposal Schedule

Gloucester Parkway Extension Design/Build Project - Loudoun County

13-Jan-14 08:53

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2014												2015			2016											
						Qtr 2, 2014			Qtr 3, 2014			Qtr 4, 2014			Qtr 1, 2015			Qtr 2, 2015			Qtr 3, 2015			Qtr 4, 2015			Qtr 1, 2016			Qtr 2, 2016		
						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
C00104418DB68 Gloucester Parkway Extension Desig...		612	19-Mar-14	05-Aug-16	0																											
C00104418DB68.GO Entire Project		612	19-Mar-14	05-Aug-16	0																											
C00104418DB68.GO.0 Project Milestones		612	19-Mar-14	05-Aug-16	0																											
G000NTP	Notice to Proceed	0	19-Mar-14		0	Notice to Proceed																										
G000030	VDOT Approval of Design	0		24-Dec-14	54	VDOT Approval of Design																										
G000010	Construction Start	0	18-Mar-15		11	Construction Start																										
G000020	Begin Bridge Construction	0	23-Mar-15		16	Begin Bridge Construction																										
G000050	Bridge Final Acceptance - VDOT	0		21-Jul-16	11	Bridge Final Acceptance - VDOT																										
G000999	Project Final Completion (RFP = 05-AUGUST-2016)	0		05-Aug-16	0	Project Final Completion (RFP = 05-AUGUST-2016)																										
C00104418DB68.GO.1 Design		249	19-Mar-14	17-Mar-15	15	17-Mar-15, C00104418DB68.GO.1 Design																										
G010010	Design Start	0	19-Mar-14		10	Design Start																										
G010020	Send Survey Notification Letters	10	19-Mar-14	01-Apr-14	0	Send Survey Notification Letters																										
G010080	Property/ROW Research	20	19-Mar-14	15-Apr-14	46	Property/ROW Research																										
G010030	Recover Survey Control	3	02-Apr-14	04-Apr-14	2	Recover Survey Control																										
G010150	Prepare Soil Boring Plan	10	02-Apr-14	15-Apr-14	0	Prepare Soil Boring Plan																										
G010040	Supplemental Field Survey	10	07-Apr-14	18-Apr-14	2	Supplemental Field Survey																										
G010160	Perform Soil Borings	15	16-Apr-14	07-May-14	0	Perform Soil Borings																										
G010050	Supplemental Utility Designation/Location	10	22-Apr-14	05-May-14	2	Supplemental Utility Designation/Location																										
G010060	Topo Verification (SWM Basin, Roadway Tie-ins)	10	06-May-14	19-May-14	2	Topo Verification (SWM Basin, Roadway Tie-ins)																										
G010170	Lab Work	20	08-May-14	05-Jun-14	0	Lab Work																										
G010070	Computer Work and DTM Preparation	10	20-May-14	03-Jun-14	2	Computer Work and DTM Preparation																										
G010090	Prepare Right-of-Way Acquisition Plan	20	04-Jun-14	01-Jul-14	13	Prepare Right-of-Way Acquisition Plan																										
G010140	VSMP Permit Registration	90	04-Jun-14	01-Sep-14	34	VSMP Permit Registration																										
G010310	Prepare TMP & Design Maintenance of Traffic Plans	20	04-Jun-14	01-Jul-14	66	Prepare TMP & Design Maintenance of Traffic Plans																										
G010360	Prepare Bridge TS&L	20	04-Jun-14	01-Jul-14	2	Prepare Bridge TS&L																										
G010480	Prepare Signing/Lighting/Marking/Signalization Plans	30	04-Jun-14	16-Jul-14	41	Prepare Signing/Lighting/Marking/Signalization Plans																										
G010180	Prepare Geotechnical Report & Recommendations	20	06-Jun-14	03-Jul-14	0	Prepare Geotechnical Report & Recommendations																										
G010100	SFA Right-of-Way Acquisition Plan	5	02-Jul-14	09-Jul-14	13	SFA Right-of-Way Acquisition Plan																										
G010320	SFA TMP & Maintenance of Traffic Plans	5	02-Jul-14	09-Jul-14	117	SFA TMP & Maintenance of Traffic Plans																										
G010370	SFA Bridge TS&L	5	02-Jul-14	09-Jul-14	2	SFA Bridge TS&L																										
G010190	SFA Geotechnical Report & Recommendations	5	07-Jul-14	11-Jul-14	0	SFA Geotechnical Report & Recommendations																										
G010110	R/A Right-of-Way Acquisition Plan	21	10-Jul-14	30-Jul-14	19	R/A Right-of-Way Acquisition Plan																										
G010330	R/A TMP & Maintenance of Traffic Plans	21	10-Jul-14	30-Jul-14	175	R/A TMP & Maintenance of Traffic Plans																										
G010380	R/A Bridge TS&L	21	10-Jul-14	30-Jul-14	4	R/A Bridge TS&L																										
G010200	R/A Geotechnical Report & Recommendations	21	12-Jul-14	01-Aug-14	2	R/A Geotechnical Report & Recommendations																										
G010490	SFA Signing/Lighting/Marking/Signalization Plans	5	17-Jul-14	23-Jul-14	41	SFA Signing/Lighting/Marking/Signalization Plans																										
G010500	R/A Signing/Lighting/Marking/Signalization Plans	21	24-Jul-14	13-Aug-14	60	R/A Signing/Lighting/Marking/Signalization Plans																										
G010120	Prepare ROW Acquisition Plats	20	31-Jul-14	27-Aug-14	13	Prepare ROW Acquisition Plats																										
G010340	A/C TMP & Maintenance of Traffic Plans	15	31-Jul-14	20-Aug-14	116	A/C TMP & Maintenance of Traffic Plans																										
G010390	Prepare Bridge Plans - to VDOT	30	04-Aug-14	15-Sep-14	0	Prepare Bridge Plans - to VDOT																										
G010430	Prepare Grading & Drainage Plans	40	04-Aug-14	29-Sep-14	64	Prepare Grading & Drainage Plans																										
G010510	A/C Signing/Lighting/Marking/Signalization Plans	15	14-Aug-14	04-Sep-14	41	A/C Signing/Lighting/Marking/Signalization Plans																										
G010350	R/A TMP & Maintenance of Traffic Plans Final	21	21-Aug-14	10-Sep-14	175	R/A TMP & Maintenance of Traffic Plans Final																										

■ Actual Work ■ Critical Remaining Work Summary
■ Remaining Work ◆ Milestone

Gloucester Parkway Extension Design/Build Project - Loudoun County

13-Jan-14 08:53

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Qtr 2, 2014		Qtr 3, 2014		Qtr 4, 2014			Qtr 1, 2015			Qtr 2, 2015			Qtr 3, 2015			Qtr 4, 2015			Qtr 1, 2016			Qtr 2, 2016			2016		
						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
						r																											
G010700	Mail ROW Acquisition Notification to Property Owners	20	28-Aug-14	25-Sep-14	46																												
G010710	Complete Title Research	20	28-Aug-14	25-Sep-14	13																												
G010210	Prepare SWPPP & Design Clear & Grub / E&S Plans	30	02-Sep-14	13-Oct-14	24																												
G010520	R/A Signing/Lighting/Marking/Signalization Plans Final	21	05-Sep-14	25-Sep-14	59																												
G010395	SFA Bridge Plans	5	16-Sep-14	22-Sep-14	0																												
G010400	R/A Bridge Plans - VDOT	21	23-Sep-14	13-Oct-14	0																												
G010720	Prepare Appraisals & Submit Packages to VDOT	20	26-Sep-14	23-Oct-14	13																												
G010440	SFA Grading & Drainage Plans	5	30-Sep-14	06-Oct-14	64																												
G010450	R/A Grading & Drainage Plans	21	07-Oct-14	27-Oct-14	100																												
G010220	SFA SWPPP and Clear & Grub / E&S Plans	5	14-Oct-14	20-Oct-14	24																												
G010410	A/C Bridge Plans - to VDOT	10	14-Oct-14	27-Oct-14	0																												
G010230	R/A SWPPP and Clear & Grub / E&S Plans	21	21-Oct-14	10-Nov-14	34																												
G010730	VDOT Approval of Appraisals	21	24-Oct-14	13-Nov-14	19																												
G010420	R/A Bridge Plans - VDOT Final	21	28-Oct-14	17-Nov-14	0																												
G010460	A/C Grading & Drainage Plans	15	28-Oct-14	17-Nov-14	64																												
G010240	A/C SWPPP and Clear & Grub / E&S Plans	15	11-Nov-14	03-Dec-14	22																												
G010740	Complete Initial Negotiation Contact with all Property Owners	15	14-Nov-14	08-Dec-14	11																												
G010470	R/A Grading & Drainage Plans Final	21	18-Nov-14	08-Dec-14	100																												
G010250	R/A SWPPP and Clear & Grub / E&S Plans Final	21	04-Dec-14	24-Dec-14	40																												
G010750	Obtain Refusal/Acceptance on Parcels	30	09-Dec-14	27-Jan-15	11																												
G010130	Review & Verify: US Corp/VA Water/FAA Permits	45	02-Jan-15	05-Mar-15	22																												
G010760	Submit RW-24 Reports on Refusals	10	28-Jan-15	10-Feb-15	11																												
G010770	Submit RW-24 Reports on all Parcels	10	11-Feb-15	24-Feb-15	11																												
G010780	Receive Right-of-Way Clearances	15	25-Feb-15	17-Mar-15	11																												
C00104418DB68.GO.2 Preconstruction Activities		357	19-Mar-14	14-Aug-15	235	14-Aug-15, C00104418DB68.GO.2 Preconstruction Activities																											
G020030	Scope Validation Period	120	19-Mar-14	08-Sep-14	109																												
G020060	SFA Site Specific Safety Plan	20	19-Mar-14	15-Apr-14	194																												
G020100	SFA QA/QC Plan	5	19-Mar-14	25-Mar-14	209																												
G020140	SFA Hazardous Material Management Plan	20	19-Mar-14	15-Apr-14	194																												
G020180	SFA Emergency Management Plan	20	19-Mar-14	15-Apr-14	194																												
G020110	R/A QA/QC Plan	21	26-Mar-14	15-Apr-14	309																												
G020070	R/A Site Specific Safety Plan	21	16-Apr-14	06-May-14	288																												
G020120	A/C QA/QC Plan	15	16-Apr-14	07-May-14	209																												
G020150	R/A Hazardous Material Management Plan	21	16-Apr-14	06-May-14	288																												
G020190	R/A Emergency Management Plan	21	16-Apr-14	06-May-14	288																												
G020080	A/C Site Specific Safety Plan	15	07-May-14	28-May-14	195																												
G020160	A/C Hazardous Material Management Plan	15	07-May-14	28-May-14	195																												
G020200	A/C Emergency Management Plan	15	07-May-14	28-May-14	195																												
G020130	R/A Revised QA/QC Plan, Final	21	08-May-14	28-May-14	308																												
G020090	R/A Revised Site Specific Safety Plan, final	21	29-May-14	18-Jun-14	287																												
G020170	R/A Revised Hazardous Material Management Plan, Final	21	29-May-14	18-Jun-14	287																												
G020210	R/A Revised Emergency Management Plan, Final	21	29-May-14	18-Jun-14	287																												
G020040	Scope Validation Negotiations	30	09-Sep-14	20-Oct-14	109																												

■ Actual Work ■ Critical Remaining Work ▶ Summary
■ Remaining Work ◆ Milestone

Gloucester Parkway Extension Design/Build Project - Loudoun County

13-Jan-14 08:53

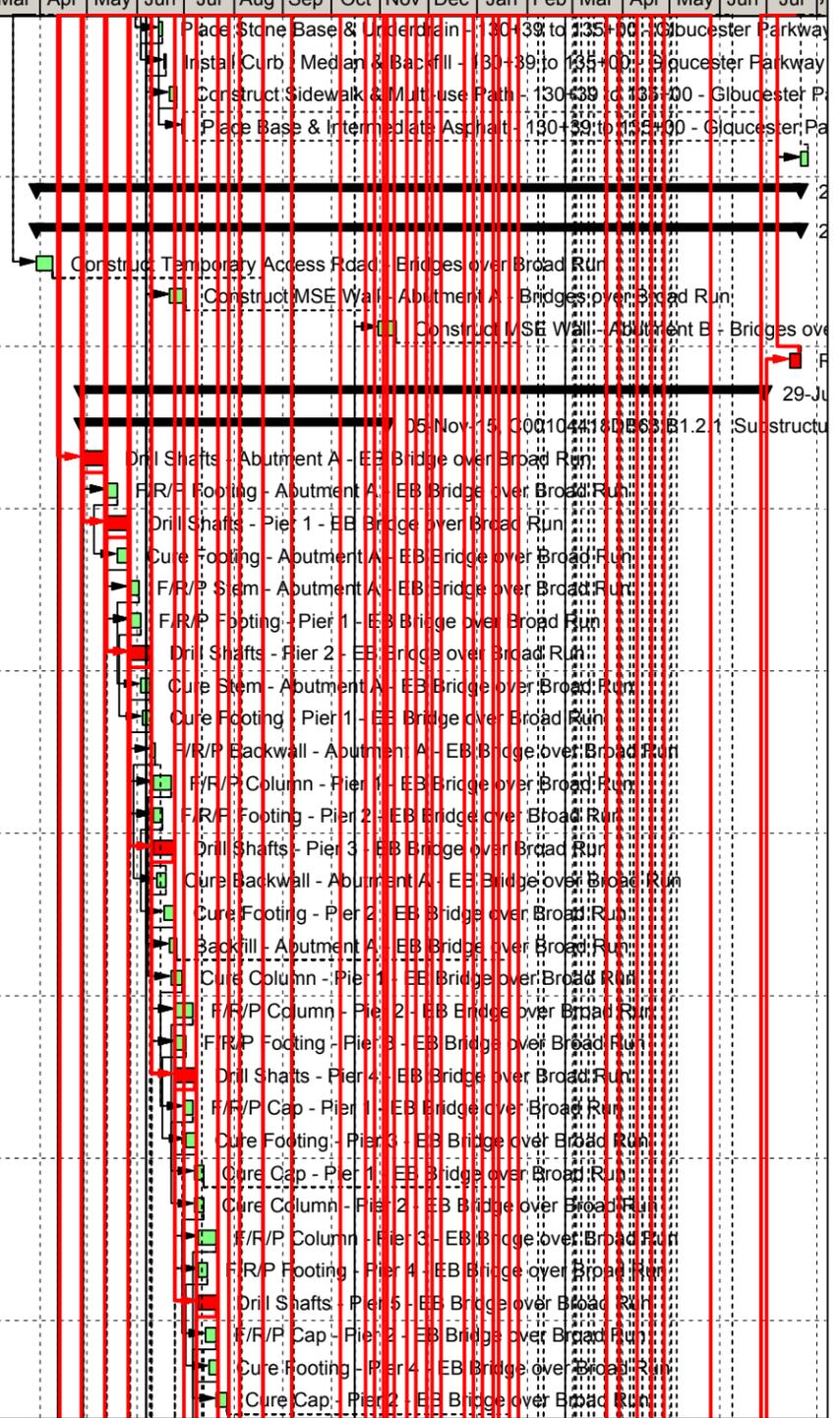
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Qtr 2, 2014		Qtr 3, 2014		Qtr 4, 2014			Qtr 1, 2015			Qtr 2, 2015			Qtr 3, 2015			Qtr 4, 2015			Qtr 1, 2016			Qtr 2, 2016					
						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
						er																											
G020710	Procure MOT Package Vendors	20	11-Sep-14	08-Oct-14	117																												
G020740	Procure Signing/Signal Package Vendors	20	26-Sep-14	23-Oct-14	41																												
G020050	Scope Validation Agreement Reached	0		20-Oct-14	109																												
G020220	SFA Sign Structure Shop Drawings	20	24-Oct-14	20-Nov-14	300																												
G020240	SFA Sign Shop Drawings	20	24-Oct-14	20-Nov-14	300																												
G020260	SFA Signalization Shop Drawings	20	24-Oct-14	20-Nov-14	41																												
G020720	Procure Bridge Material Vendors	20	18-Nov-14	17-Dec-14	0																												
G020230	R/A Sign Structure Shop Drawings	21	21-Nov-14	11-Dec-14	447																												
G020250	R/A Sign Shop Drawings	21	21-Nov-14	11-Dec-14	447																												
G020270	R/A Signalization Shop Drawings	21	21-Nov-14	11-Dec-14	69																												
G020730	Procure Grading/Drainage Package Vendors	20	09-Dec-14	13-Jan-15	179																												
G020750	Fab/Deliver Signalization Materials	120	12-Dec-14	09-Jun-15	43																												
G020760	Fab/Deliver Signs & Sign Structures	90	12-Dec-14	27-Apr-15	302																												
G020400	SFA Foundation Plan for Bridge - Stage 1	10	18-Dec-14	08-Jan-15	0																												
G020440	SFA MSE Wall Shop Drawings for Bridge - Stage 1	20	18-Dec-14	22-Jan-15	120																												
G020480	SFA Beam Shop Drawings for Bridge - Stage 1	5	18-Dec-14	24-Dec-14	53																												
G020520	SFA Bridge Overhang Supports for Bridge - Stage 1	20	18-Dec-14	22-Jan-15	243																												
G020800	Fab/Deliver Bridge Superstructure Rebar	90	18-Dec-14	01-May-15	204																												
G020490	R/A Beam Shop Drawings for Bridge - Stage 1	21	25-Dec-14	14-Jan-15	83																												
G020700	Procure E & S Package Vendors	20	02-Jan-15	29-Jan-15	47																												
G020410	R/A Foundation Plan for Bridge - Stage 1	21	09-Jan-15	29-Jan-15	0																												
G020500	A/C Beam Shop Drawings for Bridge - Stage 2 (Final)	15	15-Jan-15	04-Feb-15	58																												
G020450	R/A MSE Wall Shop Drawings for Bridge - Stage 1	21	23-Jan-15	12-Feb-15	172																												
G020530	R/A Bridge Overhang Supports for Bridge - Stage 1	21	23-Jan-15	12-Feb-15	356																												
G020420	A/C Foundation Plan for Bridge - Stage 2 (Final)	15	30-Jan-15	19-Feb-15	0																												
G020510	R/A Beam Shop Drawings for Bridge - Stage 2 (Final)	21	05-Feb-15	25-Feb-15	83																												
G020460	A/C MSE Wall Shop Drawings for Bridge - Stage 2 (Final)	15	13-Feb-15	05-Mar-15	120																												
G020540	A/C Bridge Overhang Supports for Bridge - Stage 2 (Final)	15	13-Feb-15	05-Mar-15	243																												
G020430	R/A Foundation Plan for Bridge - Stage 2 (Final)	21	20-Feb-15	12-Mar-15	0																												
G020560	SFA Erection Plan & Procedure for Bridge - Stage 1	10	26-Feb-15	11-Mar-15	124																												
G020790	Fab/Deliver Bridge Beams	120	26-Feb-15	14-Aug-15	58																												
G020470	R/A MSE Wall Shop Drawings for Bridge - Stage 2 (Final)	21	06-Mar-15	26-Mar-15	172																												
G020550	R/A Bridge Overhang Supports for Bridge - Stage 2 (Final)	21	06-Mar-15	26-Mar-15	356																												
G020570	R/A Erection Plan & Procedure for Bridge - Stage 1	21	12-Mar-15	01-Apr-15	176																												
G020770	Fab/Deliver Bridge Foundation Materials	30	13-Mar-15	24-Apr-15	0																												
G020780	Fab/Deliver Bridge Substructure Rebar	30	13-Mar-15	24-Apr-15	35																												
G020810	Fab/Deliver MSE Wall Materials	30	27-Mar-15	08-May-15	119																												
G020580	A/C Erection Plan & Procedure for Bridge - Stage 2 (Final)	15	02-Apr-15	23-Apr-15	123																												
G020590	R/A Erection Plan & Procedure for Bridge - Stage 2 (Final)	21	24-Apr-15	14-May-15	175																												
C00104418DB68.GO.3 Project Support		601	19-Mar-14	21-Jul-16	0																												
G039980	Setup Project Offices	20	19-Mar-14	15-Apr-14	239																												
G030300	Schedule and Hold Kickoff Meeting with Public Utilities	10	04-Jun-14	17-Jun-14	111																												
G030310	Schedule and Hold Kickoff Meeting with Private Utilities	10	04-Jun-14	17-Jun-14	17																												

■ Actual Work ■ Critical Remaining Work Summary
■ Remaining Work ◆ Milestone

Gloucester Parkway Extension Design/Build Project - Loudoun County

13-Jan-14 08:53

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Qtr 2, 2014		Qtr 3, 2014			Qtr 4, 2014			Qtr 1, 2015			Qtr 2, 2015			Qtr 3, 2015			Qtr 4, 2015			Qtr 1, 2016			Qtr 2, 2016				
						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
R120060	Place Stone Base & Underdrain - 130+39 to 135+00 - Gloucester Parkway	3	15-Jun-15	17-Jun-15	257																												
R120070	Install Curb / Median & Backfill - 130+39 to 135+00 - Gloucester Parkway	2	18-Jun-15	19-Jun-15	257																												
R120080	Construct Sidewalk & Multi-use Path - 130+39 to 135+00 - Gloucester Parkway	5	22-Jun-15	26-Jun-15	257																												
R120090	Place Base & Intermediate Asphalt - 130+39 to 135+00 - Gloucester Parkway	2	29-Jun-15	30-Jun-15	177																												
R120100	Finish Grade & Stabilize - 130+39 to 135+00 - Gloucester Parkway	3	22-Jul-16	26-Jul-16	8																												
C00104418DB68.B1	Bridges over Broad Run	344	30-Mar-15	21-Jul-16	0																												
C00104418DB68.B1.1	General Bridge Activities	344	30-Mar-15	21-Jul-16	0																												
B110010	Construct Temporary Access Road - Bridges over Broad Run	8	30-Mar-15	09-Apr-15	11																												
B110020	Construct MSE Wall - Abutment A - Bridges over Broad Run	8	22-Jun-15	01-Jul-15	90																												
B110030	Construct MSE Wall - Abutment B - Bridges over Broad Run	8	30-Oct-15	10-Nov-15	53																												
B110040	Remove Temporary Access Road - Bridges over Broad Run	5	15-Jul-16	21-Jul-16	0																												
C00104418DB68.B1.2	EB Bridge over Broad Run	308	27-Apr-15	29-Jun-16	11																												
C00104418DB68.B1.2.1	Substructure	139	27-Apr-15	05-Nov-15	0																												
B121010	Drill Shafts - Abutment A - EB Bridge over Broad Run	12	27-Apr-15	12-May-15	0																												
B121020	F/R/P Footing - Abutment A - EB Bridge over Broad Run	5	13-May-15	19-May-15	23																												
B121200	Drill Shafts - Pier 1 - EB Bridge over Broad Run	10	13-May-15	27-May-15	0																												
B121030	Cure Footing - Abutment A - EB Bridge over Broad Run	7	20-May-15	26-May-15	34																												
B121040	F/R/P Stem - Abutment A - EB Bridge over Broad Run	5	27-May-15	02-Jun-15	24																												
B121210	F/R/P Footing - Pier 1 - EB Bridge over Broad Run	5	28-May-15	03-Jun-15	18																												
B121300	Drill Shafts - Pier 2 - EB Bridge over Broad Run	10	28-May-15	10-Jun-15	0																												
B121050	Cure Stem - Abutment A - EB Bridge over Broad Run	7	03-Jun-15	09-Jun-15	70																												
B121220	Cure Footing - Pier 1 - EB Bridge over Broad Run	7	04-Jun-15	10-Jun-15	26																												
B121060	F/R/P Backwall - Abutment A - EB Bridge over Broad Run	3	10-Jun-15	12-Jun-15	50																												
B121230	F/R/P Column - Pier 1 - EB Bridge over Broad Run	8	11-Jun-15	22-Jun-15	18																												
B121310	F/R/P Footing - Pier 2 - EB Bridge over Broad Run	5	11-Jun-15	17-Jun-15	16																												
B121400	Drill Shafts - Pier 3 - EB Bridge over Broad Run	10	11-Jun-15	24-Jun-15	0																												
B121070	Cure Backwall - Abutment A - EB Bridge over Broad Run	7	13-Jun-15	19-Jun-15	129																												
B121320	Cure Footing - Pier 2 - EB Bridge over Broad Run	7	18-Jun-15	24-Jun-15	22																												
B121080	Backfill - Abutment A - EB Bridge over Broad Run	5	22-Jun-15	26-Jun-15	93																												
B121240	Cure Column - Pier 1 - EB Bridge over Broad Run	7	23-Jun-15	29-Jun-15	55																												
B121330	F/R/P Column - Pier 2 - EB Bridge over Broad Run	8	25-Jun-15	06-Jul-15	16																												
B121410	F/R/P Footing - Pier 3 - EB Bridge over Broad Run	5	25-Jun-15	01-Jul-15	14																												
B121500	Drill Shafts - Pier 4 - EB Bridge over Broad Run	10	25-Jun-15	08-Jul-15	0																												
B121250	F/R/P Cap - Pier 1 - EB Bridge over Broad Run	5	30-Jun-15	06-Jul-15	39																												
B121420	Cure Footing - Pier 3 - EB Bridge over Broad Run	7	02-Jul-15	08-Jul-15	20																												
B121260	Cure Cap - Pier 1 - EB Bridge over Broad Run	7	07-Jul-15	13-Jul-15	115																												
B121340	Cure Column - Pier 2 - EB Bridge over Broad Run	7	07-Jul-15	13-Jul-15	48																												
B121430	F/R/P Column - Pier 3 - EB Bridge over Broad Run	8	09-Jul-15	20-Jul-15	14																												
B121510	F/R/P Footing - Pier 4 - EB Bridge over Broad Run	5	09-Jul-15	15-Jul-15	12																												
B121600	Drill Shafts - Pier 5 - EB Bridge over Broad Run	10	09-Jul-15	22-Jul-15	0																												
B121350	F/R/P Cap - Pier 2 - EB Bridge over Broad Run	5	14-Jul-15	20-Jul-15	34																												
B121520	Cure Footing - Pier 4 - EB Bridge over Broad Run	7	16-Jul-15	22-Jul-15	18																												
B121360	Cure Cap - Pier 2 - EB Bridge over Broad Run	7	21-Jul-15	27-Jul-15	101																												



█ Actual Work █ Critical Remaining Work █ Summary
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Gloucester Parkway Extension Design/Build Project - Loudoun County

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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Qtr 2, 2014		Qtr 3, 2014			Qtr 4, 2014			Qtr 1, 2015			Qtr 2, 2015			Qtr 3, 2015			Qtr 4, 2015			Qtr 1, 2016			Qtr 2, 2016			2016	
						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
B131730	F/R/P Column - Pier 6 - WB Bridge over Broad Run	8	20-Aug-15	31-Aug-15	12																												
B131810	F/R/P Footing - Pier 7 - WB Bridge over Broad Run	5	20-Aug-15	26-Aug-15	10																												
B131900	Drill Shafts - Pier 8 - WB Bridge over Broad Run	10	20-Aug-15	02-Sep-15	4																												
B131650	F/R/P Cap - Pier 5 - WB Bridge over Broad Run	5	25-Aug-15	31-Aug-15	23																												
B131820	Cure Footing - Pier 7 - WB Bridge over Broad Run	7	27-Aug-15	02-Sep-15	15																												
B131660	Cure Cap - Pier 5 - WB Bridge over Broad Run	7	01-Sep-15	07-Sep-15	65																												
B131740	Cure Column - Pier 6 - WB Bridge over Broad Run	7	01-Sep-15	07-Sep-15	27																												
B131100	Drill Shafts - Abutment B - WB Bridge over Broad Run	12	03-Sep-15	21-Sep-15	4																												
B131830	F/R/P Column - Pier 7 - WB Bridge over Broad Run	8	03-Sep-15	15-Sep-15	10																												
B131910	F/R/P Footing - Pier 8 - WB Bridge over Broad Run	5	03-Sep-15	10-Sep-15	8																												
B131750	F/R/P Cap - Pier 6 - WB Bridge over Broad Run	5	08-Sep-15	14-Sep-15	19																												
B131920	Cure Footing - Pier 8 - WB Bridge over Broad Run	7	11-Sep-15	17-Sep-15	12																												
B131760	Cure Cap - Pier 6 - WB Bridge over Broad Run	7	15-Sep-15	21-Sep-15	51																												
B131840	Cure Column - Pier 7 - WB Bridge over Broad Run	7	16-Sep-15	22-Sep-15	19																												
B131930	F/R/P Column - Pier 8 - WB Bridge over Broad Run	8	18-Sep-15	29-Sep-15	8																												
B131110	F/R/P Footing - Abutment B - WB Bridge over Broad Run	5	22-Sep-15	28-Sep-15	4																												
B131850	F/R/P Cap - Pier 7 - WB Bridge over Broad Run	5	23-Sep-15	29-Sep-15	13																												
B131120	Cure Footing - Abutment B - WB Bridge over Broad Run	7	29-Sep-15	05-Oct-15	6																												
B131860	Cure Cap - Pier 7 - WB Bridge over Broad Run	7	30-Sep-15	06-Oct-15	36																												
B131940	Cure Column - Pier 8 - WB Bridge over Broad Run	7	30-Sep-15	06-Oct-15	12																												
B131130	F/R/P Stem - Abutment B - WB Bridge over Broad Run	5	06-Oct-15	12-Oct-15	4																												
B131950	F/R/P Cap - Pier 8 - WB Bridge over Broad Run	5	07-Oct-15	13-Oct-15	8																												
B131140	Cure Stem - Abutment B - WB Bridge over Broad Run	7	13-Oct-15	19-Oct-15	6																												
B131960	Cure Cap - Pier 8 - WB Bridge over Broad Run	7	14-Oct-15	20-Oct-15	22																												
B131150	F/R/P Backwall - Abutment B - WB Bridge over Broad Run	3	20-Oct-15	22-Oct-15	4																												
B131160	Cure Backwall - Abutment B - WB Bridge over Broad Run	7	23-Oct-15	29-Oct-15	6																												
B131170	Backfill - Abutment B - WB Bridge over Broad Run	5	30-Oct-15	05-Nov-15	4																												
C00104418DB68.B1.3.2 Superstructure		176	12-Nov-15	14-Jul-16	0																												
B132010	Erect Beams - Span a - WB Bridge over Broad Run	4	12-Nov-15	17-Nov-15	0																												
B132020	Erect Beams - Span b - WB Bridge over Broad Run	4	24-Nov-15	01-Dec-15	0																												
B132030	Erect Beams - Span c - WB Bridge over Broad Run	4	08-Dec-15	11-Dec-15	0																												
B132040	Erect Beams - Span d - WB Bridge over Broad Run	4	18-Dec-15	23-Dec-15	0																												
B132050	Erect Beams - Span e - WB Bridge over Broad Run	4	07-Jan-16	12-Jan-16	0																												
B132060	Erect Beams - Span f - WB Bridge over Broad Run	4	19-Jan-16	22-Jan-16	0																												
B132070	Erect Beams - Span g - WB Bridge over Broad Run	4	29-Jan-16	03-Feb-16	0																												
B132080	Erect Beams - Span h - WB Bridge over Broad Run	4	10-Feb-16	15-Feb-16	0																												
B132085	Erect Beams - Span i - WB Bridge over Broad Run	4	22-Feb-16	25-Feb-16	0																												
B132090	F/R/P End Closure - East - WB Bridge over Broad Run	5	26-Feb-16	03-Mar-16	0																												
B132110	F/R/P End Closure - West - WB Bridge over Broad Run	5	26-Feb-16	03-Mar-16	42																												
B132100	Cure End Closure - East - WB Bridge over Broad Run	7	04-Mar-16	10-Mar-16	0																												
B132120	Cure End Closure - West - WB Bridge over Broad Run	7	04-Mar-16	10-Mar-16	60																												
B132130	Install Tooth Expansion Dam - East - WB Bridge over Broad Run	4	11-Mar-16	16-Mar-16	0																												
B132140	Install Tooth Expansion Dam - West - WB Bridge over Broad Run	4	11-Mar-16	16-Mar-16	42																												

■ Actual Work ■ Critical Remaining Work ▶ Summary
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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Qtr 2, 2014		Qtr 3, 2014			Qtr 4, 2014			Qtr 1, 2015			Qtr 2, 2015			Qtr 3, 2015			Qtr 4, 2015			Qtr 1, 2016			Qtr 2, 2016			2016	
						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
R300080	Finish Grade & Stabilize - Loudoun County Parkway SB & Gl...	5	30-Mar-16	05-Apr-16	0																												
R300000	Complete - Roadway Area 3	0		05-Apr-16	0																												
C00104418DB68.R4	Roadway Area 4 - Intersection of Gl...	63	13-Apr-16	08-Jul-16	0																												
R400010	Demo / Excavate for Widening - Intersection of Gloucester P...	15	13-Apr-16	03-May-16	0																												
R400020	Install Storm Drainage - Intersection of Gloucester Parkway ...	15	25-Apr-16	13-May-16	0																												
R400030	Finegrade Subgrade - Intersection of Gloucester Parkway & ...	15	04-May-16	24-May-16	0																												
R400040	Place Stone Base & Underdrain - Intersection of Gloucester ...	15	12-May-16	02-Jun-16	0																												
R400050	Install Curb / Median & Backfill - Intersection of Gloucester P...	15	19-May-16	09-Jun-16	0																												
R400070	Construct Sidewalk & Multi-use Path - Intersection of Glouces...	15	03-Jun-16	23-Jun-16	0																												
R400060	Install Permanent Signal - Intersection of Gloucester Parkwa...	20	10-Jun-16	08-Jul-16	0																												
R400080	Place Base & Intermediate Asphalt - Intersection of Glouces...	5	24-Jun-16	30-Jun-16	0																												
R400090	Finish Grade & Stabilize - Intersection of Gloucester Parkwa...	5	01-Jul-16	08-Jul-16	0																												
R400000	Complete - Roadway Area 4	0		08-Jul-16	0																												

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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

