



LETTER OF SUBMITTAL VOLUME 1

WALNEY ROAD BRIDGE REPLACEMENT AND ROAD WIDENING

A DESIGN-BUILD PROJECT **B**

FROM: WESTFIELDS BOULEVARD (ROUTE 6755) TO: WILLARD ROAD (ROUTE 6215) AND
FROM: DALLAS STREET (ROUTE 745) TO: 250 FEET NORTH OF DALLAS STREET
FAIRFAX COUNTY, VA



STATE PROJECT NO.: 0657-029-099, R201, C501, B641
FEDERAL PROJECT NO.: STP-5A01(471)
CONTRACT ID NUMBER: C00104103DB62

ATTACHMENT 4.0.1.1
WALNEY ROAD BRIDGE REPLACEMENT AND ROAD WIDENING
PROJECT NO. 0657-029-099, R201, C501, B641
LETTER OF SUBMITTAL CHECKLIST AND CONTENTS

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

Letter of Submittal Component	Form (if any)	RFP Part 1 Cross Reference	Page Reference
Letter of Submittal (LOS) Checklist and Contents	Attachment 4.0.1.1	Section 4.0.1.1	i - ii
Acknowledgement of RFP, Revisions, and/or Addenda	Attachment 3.6 (Form C-78-RFP)	Sections 3.6; 4.0.1.1	iii
Letter of Submittal	NA	Sections 4.1	
Letter of Submittal on Offeror's letterhead	NA	Section 4.1.1	1
Offeror's full legal name and address	NA	Section 4.1.1	1
Authorized representative's original signature	NA	Section 4.1.1	2
Declaration of intent	NA	Section 4.1.2	1
120 day declaration	NA	Section 4.1.3	1
Point of Contact information	NA	Section 4.1.4	1
Principal Officer information	NA	Section 4.1.5	2
Final Completion Date	NA	Section 4.1.6	2
Executed Proposal Payment Agreement or Waiver of Proposal Payment	Attachment 9.3.1 Attachment 9.3.2	Section 4.1.7	Agreement 1- Agreement 4
Certification Regarding Debarment Forms	Attachment 11.8.6 (a) Attachment 11.8.6 (b)	Section 4.1.8	Debarment 1 – Debarment 10
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	2

ATTACHMENT 4.0.1.1

WALNEY ROAD BRIDGE REPLACEMENT AND ROAD WIDENING

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

LETTER OF SUBMITTAL CHECKLIST AND CONTENTS

Letter of Submittal Component	Form (if any)	RFP Part 1 Cross Reference	Page Reference
Certification that the proposed limits of construction are located within the right-of-way limits shown on RFP plans	NA	Section 4.1.9	2
Written statement of percent DBE participation	NA	Section 4.1.10	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	3
Organizational chart with any updates since the SOQ submittal clearly identified	NA	Section 4.2.1	5
Revised narrative when organizational chart includes updates since the SOQ submittal	NA	Section 4.2.1	n/a
Conceptual Roadway Plans – Plan View	NA	Section 4.2.2	Volume 2
Conceptual Roadway Plans – Typical Sections	NA	Section 4.2.2	Volume 2
Conceptual Structural Plans – Elevation View	NA	Section 4.2.3	Volume 2
Conceptual Roadway Plans – Transverse Section	NA	Section 4.2.3	Volume 2
Conceptual Roadway Plans – Abutment Configuration	NA	Section 4.2.3	Volume 2
Proposal Schedule	NA	Section 4.2.4.1	12 – 17
Proposal Schedule Narrative	NA	Section 4.2.4.2	6 – 11
Proposal Schedule in electronic format (CD- or DVD-ROM)	NA	Section 4.2.4	CD-ROM

ATTACHMENT 3.6

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION**

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

ACKNOWLEDGEMENT OF RFP, REVISION AND/OR ADDENDA

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

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

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



SIGNATURE

Richard A. McDonough
The Lane Construction Corporation

PRINTED NAME

December 30, 2013

DATE

District Manager

TITLE





December 30, 2013

Kevin C. Reichert, P.E.
Virginia Department of Transportation
1401 East Broad Street
Annex Building, 8th Floor
Richmond, Virginia 23219

RE: Walney Road Bridge Replacement and Road Widening
State Project No.: 0657-029-099, R201, C501, B641
Federal Project No.: STP-5A01(471)
Contract ID Number: C00104103DB62

Dear Mr. Reichert:

The Lane Construction Corporation (LANE) is pleased to offer our Letter of Submittal for the above referenced project to the Virginia Department of Transportation (VDOT). Our response contains all information requested in the RFP. LANE is teamed with Johnson, Mirmiran and Thompson (JMT), Lead Design Consultant. Our team provides VDOT and the local stakeholders a reputable team with a solid history of on-time and on-budget project completion. Our joint experience and proximity to the project site will enable us to deliver a high-quality, technically-sound project that VDOT expects and deserves.

4.1.1 Identification of Legal Entity Who Will Execute the Contract with VDOT:

The Lane Construction Corporation
90 Fieldstone Court
Cheshire, CT 06410

4.1.2 Offeror's Intent: LANE's intention is to enter into a contract with VDOT for the Project in accordance with the terms of the RFP or any subsequent Addenda.

4.1.3 120 Day Declaration: Pursuant to Part 1, Section 8.2, we declare that the offer represented by this Proposal will remain in full force and effect for one hundred twenty (120) days after the date the Letter of Submittal and Attachments is actually submitted to VDOT.

4.1.4 Identification of the Point of Contact: **Mr. Richard A. McDonough** will serve as the Point of Contact for LANE and has executed this Letter of Submittal by original signature. His contact information is as follows:

Mr. Richard A. McDonough
District Manager
14500 Avion Parkway, Suite 200, Chantilly, VA 20151
Tel: (703) 222-5670 (office) Tel: (703) 898-3811 (cell)
Fax: (703) 222-5960
Email: RAMcdonough@laneconstruct.com

4.1.5 Identification of Principal Officer: Mr. Mark A. Schiller will serve as the Principal Officer for LANE. His contact information is as follows:

Mr. Mark A. Schiller
Regional Vice President, Mid-Atlantic Region
14500 Avion Parkway, Suite 200, Chantilly, VA 20151
Tel: (703) 222-5670
Fax: (703) 222-5960
Email: MASchiller@laneconstruct.com

4.1.6 Final Completion Date:
Final Completion Date: December 30, 2015

4.1.7 Executed Proposal Payment Agreement: An executed Proposal Payment Agreement (Attachment 9.3.1) is included with this Letter of Submittal and may be found in the Attachments to the Letter of Submittal.

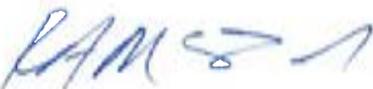
4.1.8 Certification Regarding Debarment Forms: Certifications for Debarment for both Primary and Lower Tier Covered Transactions, as set forth in Part 1, Section 11.8.6, have been completed and executed for the Offeror and all other entities identified as members of the LANE team and are included with this Letter of Submittal and may be found in the Attachments to the Letter of Submittal.

4.1.9 Design Criteria Table Compliance: LANE's enclosed proposed design concept is fully compliant with the Design Criteria Table included in RFP Technical Requirements (Part 2) as Attachment 2.2 and all other requirements of the RFP. We certify that LANE's proposed limits of construction to include all stormwater management facilities are located within the right-of-way limits shown on the RFP plans with the exception of permanent and temporary easements. LANE's design concept does not require Design Exceptions and/or Design Waivers unless identified or included in the RFP or any Addenda.

4.1.10 DBE Participation Goal: The LANE team is committed to achieving the 14% DBE participation goal for the entire value of the contract.

The LANE team appreciates the opportunity to submit our proposal. We look forward to working with VDOT in order to deliver a safe and successful project for the stakeholders and citizens of Northern Virginia.

Respectfully submitted,



Richard A. McDonough
District Manager
The Lane Construction Corporation

RIGHT LANE
MUST
TURN RIGHT


PROPOSED ROADWAY
IMPROVEMENT
FOR FURTHER DETAILS
1-800-367-7623



4.2.1 Organizational Chart and Narrative

The LANE team is comprised of dedicated, professional firms who are familiar with the Design-Build (D-B) methodology and VDOT requirements and specifications. The Lane Construction Corporation (LANE) will serve as the lead contractor of the D-B team for the Walney Road Bridge Replacement and Road Widening Project (Walney Road). LANE's role will include managing the project, supervising construction, and self-performing the major work elements. LANE has selected Johnson, Mirmiran & Thompson (JMT) as the Lead Designer. Together, LANE and JMT will manage the design and construction of those elements required on the Walney Road project. Our combined expertise in roadway and structural design, and our proximity to the project site will be an invaluable asset to VDOT, local stakeholders, and the general public.

The Organizational Chart and the Key Personnel that were contained in the Statement of Qualifications (SOQ) remain true and accurate. No changes have been made to the organizational structure, Lead Contractor, Lead Designer, Key Personnel or other individuals identified in the SOQ. The Organizational Chart depicted in this section contains the same personnel and subconsultant firms that were presented in the SOQ. The LANE team is committed to the integrity of this team and we do not plan to substitute any personnel should we be awarded this Project. Should we have the need under an unforeseen circumstance to substitute any personnel, we understand all changes require prior written approval in accordance with Part 1, Section 11.4.

Functional Relationships of Key Personnel

Design-Build Project Manager – Mr. Jan Sherman (LANE) will be responsible for the overall project, construction quality management, and contract administration. He will facilitate communication among team partners and adjacent projects, monitor design efforts to proactively eliminate potential constructability issues prior to breaking ground, and delegate resources to deliver the project on time. It will be his responsibility to work with the designer to ensure that the design is on time and complies with the owner's specifications. Mr. Sherman's interaction from design through construction will include leading Task Force meetings, design meetings, and construction meetings to discuss all aspects of the project development. Should any issues arise, it is his responsibility to ensure and address project issues with the designer, the construction team, and the owner. Interaction with the Quality Assurance Manager (QAM) will be continuous to ensure that the project is compliant with the specifications. Mr. Sherman will be the VDOT point of contact for all matters related to this project.

Quality Assurance Manager – Mr. John Vicinski, PE, (QCS) will report directly to the D-B Project Manager and will ensure that the construction quality of the Walney Road project meets or exceeds the current *VDOT Minimum Quality Control and Quality Assurance Requirements for Design Build and PPTA Projects, January 2012 (VDOT QA/QC Guidelines)* and will ensure all construction activities are in compliance with contract documents. Although Mr. Vicinski will report directly to the D-B Project Manager, he will maintain independence from the construction Quality Control assets to oversee Quality Assurance matters, including QA

testing. This independence is imperative throughout the entire construction process in order to ensure that each phase of construction progresses with the highest standards of quality. Any concerns Mr. Vicinski may have will immediately be brought to the attention of the D-B Project Manager but will be handled accordingly by Mr. Vicinski himself with full authority to stop work should the necessity arise. He is knowledgeable of the Department's Construction Program, VDOT's Road and Bridge Specification and Standards, and *VDOT QA/QC Guidelines*.

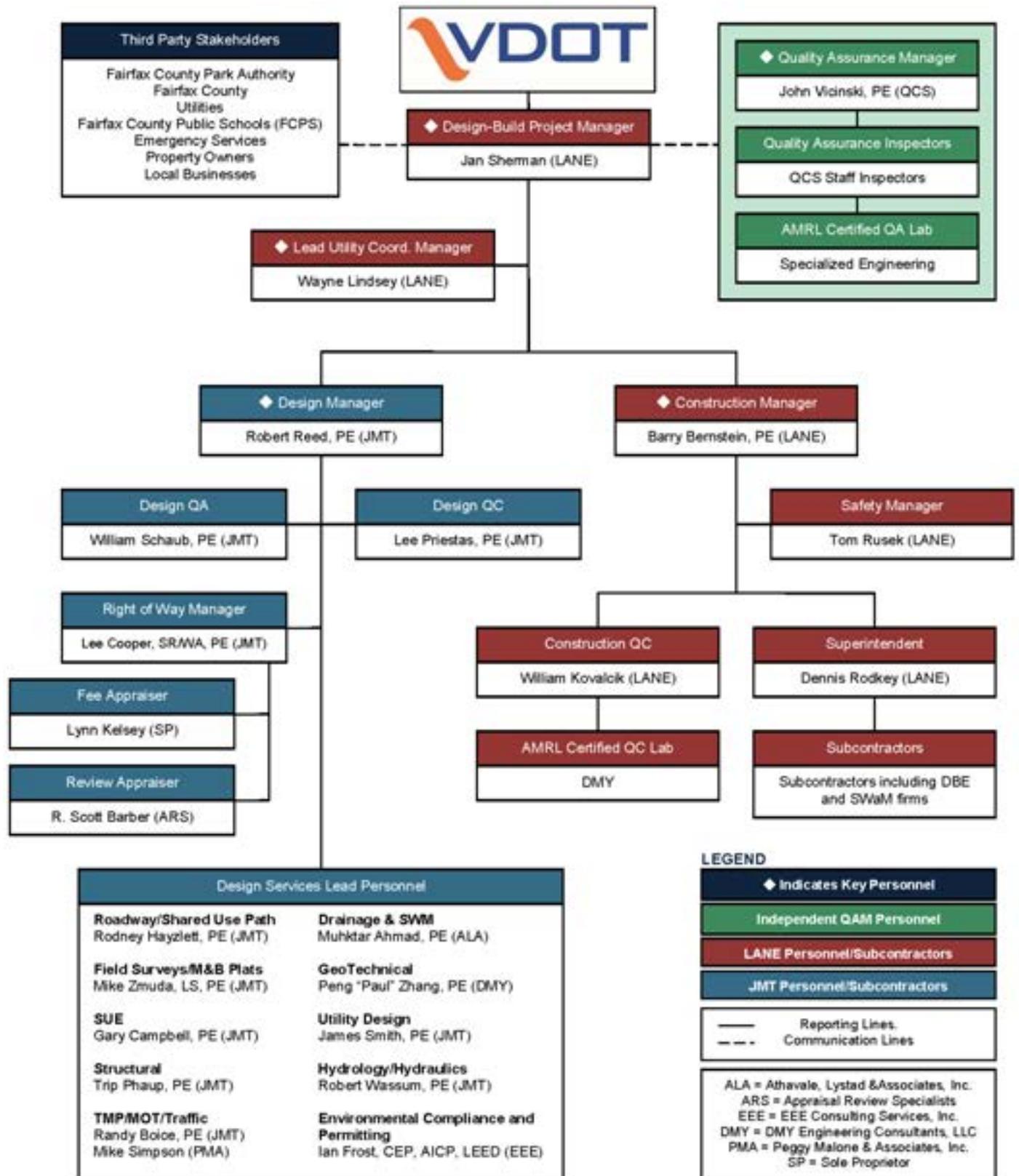
Design Manager – Mr. Robert Reed, PE (JMT) will report directly to the D-B Project Manager and manage the Design Team as well as the Lead Utility Coordinator Manager. He will be responsible for design quality assurance and quality control (QA/QC), coordinating and managing all design disciplines, conforming to standards and procedures, and ensuring contractual requirements are met. In addition, he will lead the design effort, development of plans and specifications and coordinate reviews with the D-B Project Manager to ensure constructability of the project. Mr. Reed will maintain close communication with the D-B Project Manager and will ensure this project is completed in accordance with the requirements of the contract documents. He will provide VDOT with draft design plans for review and approval prior to initiation of construction activities on the Project to confirm that the design work complies with the requirements of the contract documents. Additional emphasis will be placed on providing quality reviews in the development of the construction plans. In the design process, Mr. Reed is responsible for project design management and compilation of plan assembly. He will determine when plans have been developed to the point that Quality Reviews are to be made. He is both responsible and accountable for the quality of all of the plans.

Construction Manager – Mr. Barry Bernstein, PE (LANE) is responsible for the day-to-day construction operations of the project **and reports directly to the D-B Project Manager.** His daily responsibilities will encompass managing the entire construction process, including oversight of all quality control activities to ensure the materials used and work performed meet contract requirements and the “approved for construction” plans and specifications. He additionally will oversee project site safety and coordination of all project personnel, including subcontractors. He holds ultimate responsibility for managing the project schedule with his staff and will be on site for the duration of construction operations. Mr. Bernstein currently holds a Virginia Department of Conservation and Recreation (DCR) Responsible Land Disturber (RLD) Certification (number 34512) and a VDOT Erosion and Sediment Control Contractor Certification (ESCCC number 2157C).

Lead Utility Coordination Manager – Wayne Lindsey (LANE) will report directly to the D-B Project Manager. He will be responsible for all utility coordination and relocations on the Walney Road project. Mr. Lindsey will verify conflicts, complete UT-9's, determine cost responsibilities, conduct utility field inspections, coordinate utility relocation design, review and recommend approval of utility relocation plans and estimates, and ensure inspection of utility relocation construction. He will also review utility relocation designs prepared by a Professional Engineer for the Walney Road project and will verify constructability based on field conditions and construction sequences.

Organizational Chart

The LANE team is structured to provide VDOT with a single point of contact, Mr. Jan Sherman, the D-B Project Manager, who will be responsible for all design and construction activities. The LANE team organization has a straight-forward chain of command, with individual tasks, responsibilities, and functional relationships clearly identified. Furthermore, a distinct separation is shown between QA and QC inspection and Field/Laboratory testing in accordance with *VDOT QA/QC Guidelines*. The following Organizational Chart depicts VDOT, third party stakeholders, key personnel, and their respective relationships and functions. As previously mentioned, the organization chart remains intact and unchanged.





4.2.2 Conceptual Roadway Plans

Conceptual Roadway Plans showing the general Project Layout are provided in Volume 2. Conceptual Roadway Plans include: Title Sheet; Index; location map; detour route (Alternative 1); typical sections showing widths for lanes, medians, sidewalks, Shared Use Path, bicycle lanes, and cross slopes; plans; and profiles. The Conceptual Roadway Plans are fully compliant with the requirements of the Design Criteria Table included in the RFP Technical Requirements (Part 2) as Attachment 2.2 and all other requirements of the RFP and Addenda. We certify that our proposed limits of construction, to include all stormwater management facilities, are located within the right-of-way shown on the RFP plans with the exception of permanent and temporary easements and that the design concept does not require Design Exceptions and/or Design Waivers unless they are identified or included in the RFP Addendum..

4.2.3 Conceptual Bridge Plans

Conceptual Bridge Plans showing the type, size, and location for the proposed new bridge are provided in Volume 2. Conceptual Bridge Plans include elevation view, transverse section, and abutment configurations. The Conceptual Bridge Plans meet all applicable geometric requirements of VDOT's Structure and Bridge Manual, Volume V, Part 2.

4.2.4 Proposal Schedule and Narrative

4.2.4.1 Proposal Schedule

Please find the Proposal Schedule at the end of this section.

4.2.4.2 Proposal Schedule Narrative

The LANE team has developed a Proposal Schedule narrative that describes our plan to execute the work in accordance with the Contract Documents. The narrative also provides a description and explanation of the Critical Path and assumptions relative to productivity and critical activities.

Project Milestones

Key Milestone	Milestone Date
CTB Approval / Notice of Award	February 19, 2014
Design-Build Contract Execution	March 19, 2014
Notice to Proceed	March 25, 2014
Scope Validation Period Complete	July 22, 2014
Detour Begins	May 1, 2015
Detour Ends	August 28, 2015
Final Completion	December 30, 2015

Work Breakdown Structure

The Work Breakdown Structure (WBS) is a multi-level, hierarchical arrangement of the work to be performed on the project. The LANE team has laid out the WBS to enable identification of design, permitting, Right-of-Way acquisitions, utility relocations, and construction phase of the project (Figure 1). Design has been further broken down into various components such as Scope Validation, Survey, Geotechnical, Right-of-Way, Utilities, Environmental and Permits, Final Design and Construction Support. Construction has been subdivided to include major work areas as shown below in a sample WBS Node.

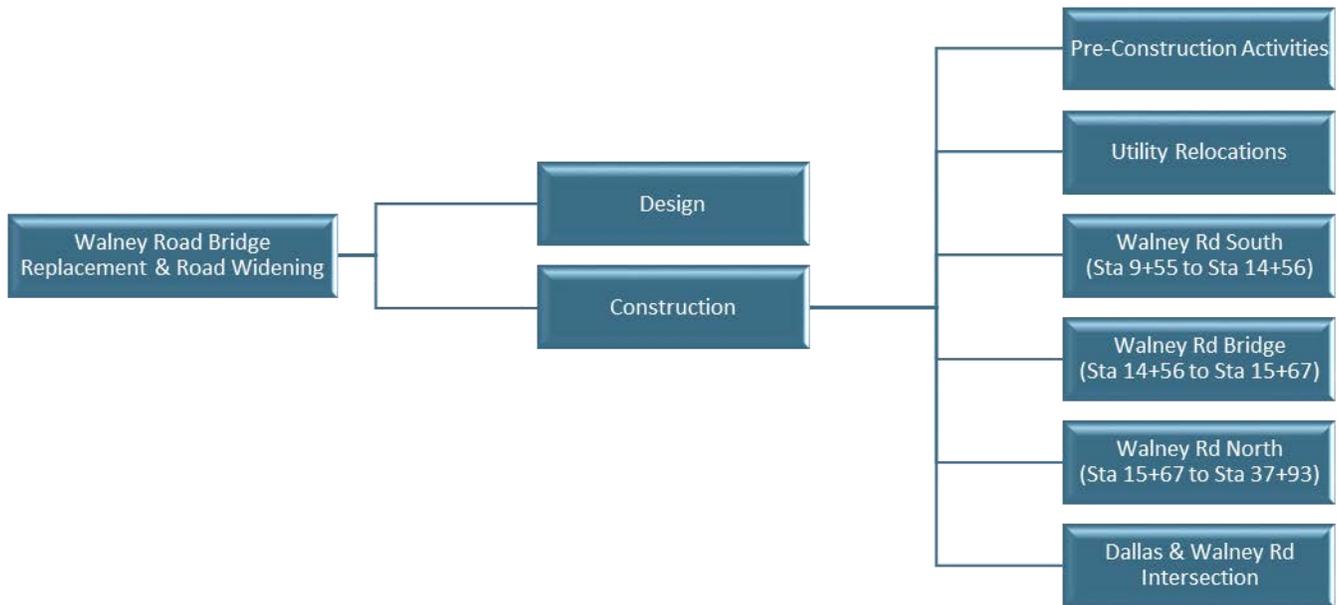


Figure 1: WBS Structure

Additionally, an activity coding structure will be utilized in the project schedule to facilitate the organization of the CPM schedule data output in respective disciplines.

Calendars

The LANE team uses six (6) different calendars to represent a variety of work scenarios.

Calendar	Non-Work Period
7-Day	
5-Day Admin (no weather)	
5-Day Typical	
5-Day Subbase & Grading	December – February
5-Day Asphalt Paving – Base/Interim Courses	December – February
5-Day Asphalt Paving – Surface Course	November - March

The LANE team’s approach to adverse weather differs depending on the type of work being performed. Any schedule acceleration attempts to remediate adverse weather impacts will occur first on Saturdays and then during the winter months.

The amount of adverse weather days to be expected has been calculated utilizing data from the National Oceanic and Atmospheric Administration’s (NOAA) National Climatic Data Center Washington Reagan Airport. Using daily data for the past ten (10) years, adverse weather days were determined by using the following scenarios in Tables 1 thru 4.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Probability < 32°F	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	
Lost Days	10	7	2	0	0	0	0	0	0	0	1	5	25

Table 1: Typical Weather for Washington Reagan Airport based on data from NOAA.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Probability	0.6	0.6	0.2	0.1	0.2	0.3	0.1	0.1	0.2	0.2	0.2	0.5	
Lost Days	20	17	8	3	6	8	5	2	6	7	5	17	104

Table 2: Subbase & Grading (Average Temp Below 40°F and/or Precip Greater than 0.50")

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Probability	0.6	0.6	0.2	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.5	
Lost Days	20	17	7	1	2	4	2	1	3	3	3	16	79

Table 3: Asphalt Paving - Base & Interm. Courses (Average Temp Below 40°F and/or Precip Greater than 0.75")

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Probability	0.9	0.9	0.6	0.2	0.1	0.1	0.0	0.0	0.1	0.2	0.5	0.9	
Lost Days	29	26	20	6	2	4	2	1	3	6	14	28	141

Table 4: Asphalt Paving - Surface Course (Average Temp Below 50°F and/or Precip Greater than 0.75")

Plan and Strategy

Design

Design will begin immediately upon notice of intent to award. The design phase includes; investigative activities such as supplemental field surveys, geotechnical borings and laboratory analysis, and scope validation; preparation of roadway and bridge plans including preliminary engineering, final plan development, hydrological and hydraulic analysis, drainage and stormwater management design, development of the

Transportation Management Plan, traffic signal and modification design; and VDOT review and approval of plans and reports, and the release for construction plans. Other activities performed during the design phase include: carrying out environmental commitments such as environmental surveying, inventorying, delineation, verification and permitting services; development of a right-of-way (ROW) acquisition and relocation plan and ROW services to secure the properties needed to build the project; and utility delineation and services for relocation of existing services.

Upon receipt of notice to proceed, the design and construction teams will work on scope validation in conjunction with VDOT. During this time frame, additional scope validation and additional soil borings will be performed immediately upon receipt of Notice to Proceed. Also during this time frame, field work and initial coordination of construction permits will begin. These permits include Threatened and Endangered Species, VSMP Permit, VWP Permit and Individual Wetland Permit.

Once Right-of-Way review and approval by VDOT has been obtained, Right-of-Way acquisition will begin in conjunction with the development of final construction documents. At this time, final details will be included in the documentation for each permit, and construction permits will be obtained. We anticipate one comprehensive plan submitted for the entire project. The traffic management plan and maintenance of traffic plans will correspond to the flow of work in three distinct segments allowing work in areas as Right-of-Way is acquired.

Right-of-Way Acquisitions

Right-of-way and Easement acquisition activities will be completed prior to construction. This includes the plan approvals, negotiations and all settlements necessary to clear the Right-of-Way for construction activities. These activities, some of which fall on the critical path, will be carefully managed so that the construction start date will not be impeded.

Utility Relocations

Prior to any relocation, the Right-of-Way and easements will need to be acquired with the project limit, allowing utility crews to get out in front of the planned construction and work within the MOT Phasing described in the next section.

The LANE team has identified the following activities to accomplish the utility relocation process:

- UFI Meeting
- Easement Requests
- Plan and Estimate
- Authorize
- Utility Relocations

Upon award of the contract, the LANE team will provide a more detailed schedule for each facility owner.

Construction

Construction operations will commence once we have received approximately 60% of the Issued for Construction plans. The LANE team will have the Right-of-Way acquisitions and utility relocations completed prior to construction begins.

Walney Road Widening

Lane will excavate and construct a storm water management pond to the northeast of the new bridge. Various size storm drainage pipe, including structures will be installed along Walney Road. In addition a new run of encased sanitary sewer line with a new manhole just south of the bridge, along with adjustments to several existing sanitary manhole tops north of the bridge. The existing waterline will be lowered at Mariah Court to accommodate new roadway grades. Fill will be placed leading up to and departing from the new bridge. A

fabric lined ditch will be constructed along the eastern side of the roadway from the start of the project up to the bridge. Following the completion of roadway subgrade construction, an aggregate base as well as base mix, intermediate mix, and surface mix asphalts will be placed between curb and gutter for the entire length of the job site. A concrete sidewalk will be constructed parallel to the roadway on the western side and an asphalt shared use path will border the eastern side of the roadway. CG12 handicap ramps will be constructed at Mariah Court as well as Willard Rd. New pavement markings will finish up the construction as well as seeding and mulching of disturbed areas. New signage and signalization of the intersections will take place to accommodate the new traffic patterns.

Walney Road Bridge Widening

Under the protection of a traffic detour, Lane will construct abutment A and abutment B on pile foundations. Each abutment will have wingwalls on either side. The abutment faces will be constructed with an architectural treatment. The slopes along the abutments and wingwalls on either side will have class 2 rip rap placed on them for slope protection. The bridge superstructure will consist of precast box beams with a concrete deck. There will be a concrete shared use path on the eastern side and a concrete sidewalk on the western side. BR27C bridge rail will be constructed on either outside edge to protect pedestrians. Conduit will be placed in the sidewalk and shared use path for future use.

Dallas and Walney Rd Intersection Improvements

Lane will excavate for and install storm drainage along the eastern side of the work zone. Excavation to subgrade will be followed by the placement of aggregate base along with base mix, intermediate mix, and surface mix asphalts and curb and gutter. A shared use path with CG12 ramp will be constructed parallel to the street. Pavement markings will be installed to finish this location.

Potential Impacts

The following risk issues have been identified as having a potential to cause impacts:

- Utility relocations issues
- Delay in the acquisition of required Right-of-Way
- Unseasonably Wet Summer and Fall
- Unsuitable Soils

Critical Path

The Critical Path of the Project is shown on the included schedule. It includes various pre-construction activities, Right-of-Way design and acquisition tasks, utility relocation and the subsequent phased construction activities. It concludes with the various close-out activities leading to project completion.

Schedule Management

Effective management and control of a construction project of this scope requires the use of field proven software packages for scheduling, documentation control, cost control, and design functions of the integrated team concept to the design-build approach. The LANE team uses P6 scheduling software to plan, schedule, and monitor its construction projects. This industry standard of practice for scheduling projects allows us to plan, organize, and control the project with the Precedence Diagram Method (PDM) of scheduling. As a management tool, P6 is powerful and flexible enough to handle all the project scheduling needs, including the following capabilities:

- CPM scheduling
- Resource management
- Reporting capabilities
- Cost management
- Data exchange
- Networking

P6 also has tools to assist the project management team in tracking and forecasting the project performance from the milestone level to the smallest work activity.

The LANE team will coordinate the scope of all project-related activities to establish a timely Critical Path Method (CPM) job schedule that will help ensure an on-time completion and identify potential risks. Project Controls will be centralized in the local project office. The Project Engineer is responsible for scheduling, cost engineering, and cost forecasting. The Design-Build Project Manager, supported by the Construction Manager, is ultimately responsible for the implementation of the project controls system.

Upon award of the contract, the LANE team will plan and schedule the entire project based on the conceptual design drawings. To control time spent on activities, we will develop a detailed, time-phased CPM project schedule, prepared with timelines outlined within the scope of work, with the assistance of our Corporate Scheduling Department. After an internal analysis and review of the general schedule logic and critical path, the schedule is completed. The P6 software program is used to generate a time-scaled logic diagram reflecting the interdependencies of all the activities incorporated into the schedule. In addition, various other tabular reports are produced, as required, for submission to the owner.

This schedule will indicate the necessary procurement and construction activities for each section or phase of the project. Various calendars will be incorporated into the project schedule to reflect holidays, seasonal work, temperature and precipitation restrictions, owner requirements, etc. The activities within the CPM schedule will be organized according to a WBS that has been developed for the project. An Activity Coding Structure will be utilized in the project schedule to organize data output. The project schedule will be the tool used for coordination by both on-site and off-site LANE team management. Schedule updates are used by managers to review progress and coordinate the efforts of all entities involved. An on-site engineer is tasked with the responsibility to track schedule progress on a daily basis and provide monthly updates.

Detailed schedules are used to plan and monitor specific items of work and will be prepared as necessary to deal with individual work packages or smaller work activities as the need arises. As the work progresses, start dates, finish dates, percent complete, and remaining durations will be updated to report the progress of each work activity. The Construction Manager will incorporate updated data into the CPM schedule on a monthly basis, review the results internally and with the owner, and prepare the required reports for submittal. Monthly updates of the CPM schedule provide the foundation of progress reports utilized by the project team.

When changes or unforeseen circumstances arise that impact the project schedule, the LANE team will immediately notify VDOT (and other appropriate stakeholders) and begin incorporating changes into the “live” CPM schedule. If changes to any task or phase in the schedule results in schedule impacts, the Design-Build Project Manager will divide the task into its components to identify its cause.

The LANE team will develop and implement a recovery plan to put the project back on track. Progress can then be tracked daily via the schedule compared to the previously accepted schedule. LANE’s management team will evaluate mitigation measures such as, additional manpower, equipment, multiple shifts, and subcontractor management and coordination, if required, to minimize schedule impacts. Schedule assurance will be clearly communicated to all parties including subcontractors.

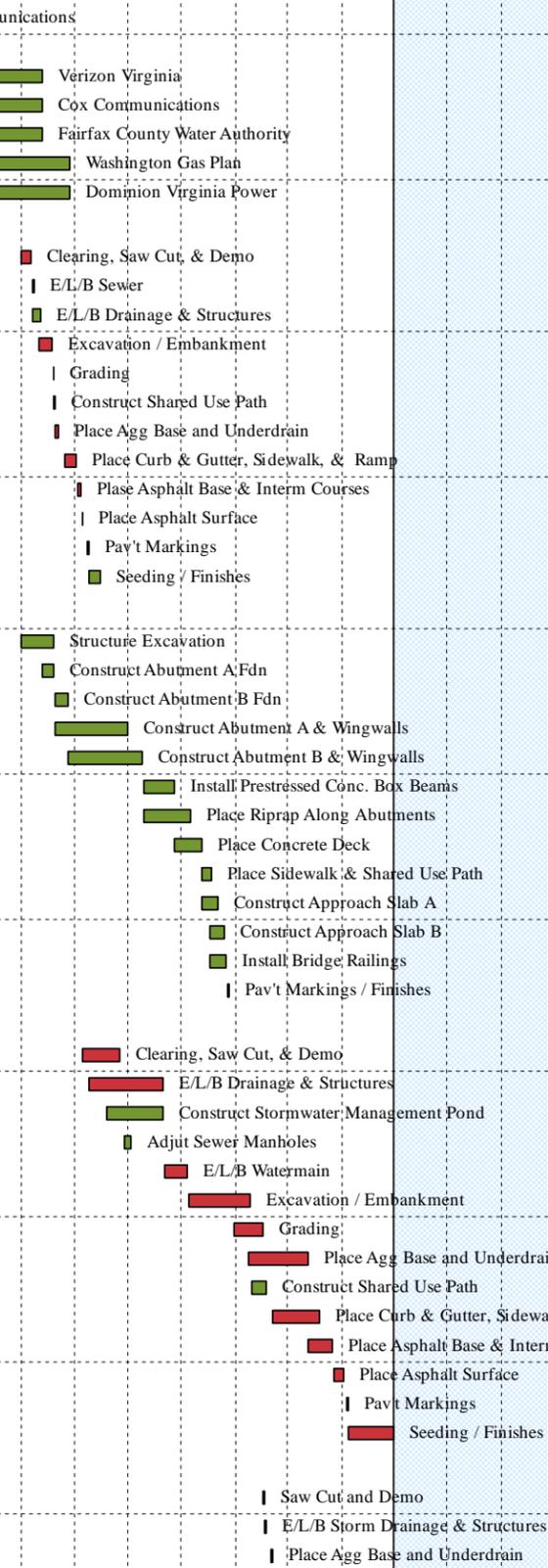
The LANE team is committed to meeting or improving upon our proposed schedule to better serve VDOT, all associated stakeholders, and the traveling public.

Summary

The LANE team has developed a Proposal Schedule and Proposal Schedule Narrative that demonstrates our understanding of the complexities and interrelationships of all elements of the Project and takes into account: internal plan reviews, VDOT plan reviews and approvals, environmental permitting, Right-of-Way acquisitions, utility relocations, and construction activities in accordance with the requirements of the RFP.

Activity ID	Activity Name	Original Duration	Start	Finish	2014												2015												2016																							
					Qtr 1			Qtr 2			Qtr 3			Qtr 4			Qtr 1			Qtr 2			Qtr 3			Qtr 4			Qtr 1			Qtr 2			Qtr 3																	
					Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug															
Walney Road Bridge Replacement and Road Widening																																																				
0010	Submission of Letter of Submittal & Attachments	0	30-Dec-13		◆ Submission of Letter of Submittal & Attachments																																															
0020	Submission of Price Proposal	0	07-Jan-14		◆ Submission of Price Proposal																																															
0030	Opening of Price Proposal	0	09-Jan-14		◆ Opening of Price Proposal																																															
0040	Notice of Intent to Award	0	14-Jan-14		◆ Notice of Intent to Award																																															
0050	CTB Approval / Notice of Award	0	19-Feb-14		◆ CTB Approval / Notice of Award																																															
0060	Design-Build Contract Execution	0	19-Mar-14		◆ Design-Build Contract Execution																																															
0070	Notice to Proceed	0	25-Mar-14		◆ Notice to Proceed																																															
0080	Substantial Completion	0		30-Nov-15	◆ Substantial Completion																																															
0085	Punch List	21	01-Dec-15	30-Dec-15	◆ Punch List																																															
0090	Final Completion - December 30, 2015	0		30-Dec-15*	◆ Final Completion - December 30, 2015																																															
Design, Right-of-Way & Permitting																																																				
QA/QC Plan for Design																																																				
D1010	Prepare Quality Assurance and Quality Control (QA/QC) Plan	10	25-Mar-14	07-Apr-14	■ Prepare Quality Assurance and Quality Control (QA/QC) Plan																																															
D1020	Submit QA/QC Plan - Present to VDOT	1	15-Apr-14	15-Apr-14	■ Submit QA/QC Plan - Present to VDOT																																															
D1030	VDOT Review of QA/QC	21	16-Apr-14	06-May-14	■ VDOT Review of QA/QC																																															
D1040	Revise and Resubmit QA/QC Plan	5	05-May-14	09-May-14	■ Revise and Resubmit QA/QC Plan																																															
D1050	QA/QC Plan Approval	21	10-May-14	30-May-14	■ QA/QC Plan Approval																																															
Scope Validation Period																																																				
D2010	Scope Validation Investigations and Findings Report Submittal 120 days from NTP	120	25-Mar-14	22-Jul-14	■ Scope Validation Investigations and Findings Report Submittal 120 days from NTP																																															
Develop & Submit Field Inspection/Right-of-Way, Line & Grade, LOD																																																				
D3010	Develop FI/RW Plans-30% Plans	40	12-May-14	08-Jul-14	■ Develop FI/RW Plans-30% Plans																																															
D3020	VDOT Review and Approved FI/RW	21	09-Jul-14	29-Jul-14	■ VDOT Review and Approved FI/RW																																															
D3030	FI/RW Plans Approved	0		29-Jul-14	◆ FI/RW Plans Approved																																															
Design Exception and Waivers																																																				
D4010	Complete Exception/Waiver Application & Submit	15	03-Jun-14	23-Jun-14	■ Complete Exception/Waiver Application & Submit																																															
D4020	Agency Review and Meeting if Required	21	24-Jun-14	14-Jul-14	■ Agency Review and Meeting if Required																																															
D4030	Update and Resubmit Exception/Waiver	10	15-Jul-14	28-Jul-14	■ Update and Resubmit Exception/Waiver																																															
D4040	Agency Review and Approval of Exception/Waiver	21	29-Jul-14	18-Aug-14	■ Agency Review and Approval of Exception/Waiver																																															
Supplemental Field Surveys																																																				
D5010	Prepare Property Owner Notification Letters for Survey	1	31-Mar-14	31-Mar-14	■ Prepare Property Owner Notification Letters for Survey																																															
D5030	Stake Geotechnical Boring Locations	10	22-Apr-14	05-May-14	■ Stake Geotechnical Boring Locations																																															
D5020	Supplemental Field Surveys	30	22-Apr-14	03-Jun-14	■ Supplemental Field Surveys																																															
D5040	Prepare Updated Survey File	20	29-Apr-14	27-May-14	■ Prepare Updated Survey File																																															
D5050	Set ROW Monumentation Before Prior to Contract Completion	30	19-Oct-15	30-Nov-15	■ Set ROW Monumentation Before Prior to Contract Completion																																															
Utilities-Delineation, SUE																																																				
D6010	Prepare Property Owner Notification Letters for Subsurface Utility Engineering (SUE)	1	04-Apr-14	04-Apr-14	■ Prepare Property Owner Notification Letters for Subsurface Utility Engineering (SUE)																																															
D6020	Perform SUE Designations and Test Holes	30	28-Apr-14	09-Jun-14	■ Perform SUE Designations and Test Holes																																															
D6030	Prepare Test Hole Data Sheets, UT9's	20	05-May-14	02-Jun-14	■ Prepare Test Hole Data Sheets, UT9's																																															
D6040	Meet with VDOT Regional Utility Manager 45 days after NTP	1	09-May-14	09-May-14	■ Meet with VDOT Regional Utility Manager 45 days after NTP																																															
D6060	Determine Prior Rights, update UT9's	15	19-May-14	09-Jun-14	■ Determine Prior Rights, update UT9's																																															
D6050	Meet with Utility Owners	5	03-Jun-14	09-Jun-14	■ Meet with Utility Owners																																															
D6070	Prepare Preliminary Utility Status Report due 120 days after NTP (120 calendar days - 6/18/14)	11	09-Jul-14	23-Jul-14	■ Prepare Preliminary Utility Status Report due 120 days after NTP (120 calendar days - 6/18/14)																																															
D6080	Prepare and Submit Updated Subsurface Utility Information	15	24-Jul-14	13-Aug-14	■ Prepare and Submit Updated Subsurface Utility Information																																															
Utility Design (By Others)																																																				
D7010	Utility Design Starts	0	10-Jun-14		◆ Utility Design Starts																																															
D7020	Washington Gas Plan and Estimate	60	10-Jun-14	03-Sep-14	■ Washington Gas Plan and Estimate																																															
D7040	Verizon Virginia Plan and Estimate	60	10-Jun-14	03-Sep-14	■ Verizon Virginia Plan and Estimate																																															
D7050	Cox Communications Plan and Estimate	60	10-Jun-14	03-Sep-14	■ Cox Communications Plan and Estimate																																															
D7060	Level (3) Communications Plan and Estimate	60	10-Jun-14	03-Sep-14	■ Level (3) Communications Plan and Estimate																																															

Activity ID	Activity Name	Original Duration	Start	Finish	2014												2015												2016											
					Qtr 1			Qtr 2			Qtr 3			Qtr 4			Qtr 1			Qtr 2			Qtr 3			Qtr 4			Qtr 1			Qtr 2			Qtr 3					
					Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug			
Utility Relocations																																								
U0050	Level (3) Communications	1	27-Jan-15	27-Jan-15																																				
U0060	Fiberlight	1	27-Jan-15	27-Jan-15																																				
U0030	Verizon Virginia	70	27-Jan-15	13-May-15																																				
U0040	Cox Communications	70	27-Jan-15	13-May-15																																				
U0070	Fairfax County Water Authority	70	27-Jan-15	13-May-15																																				
U0010	Washington Gas Plan	80	27-Jan-15	28-May-15																																				
U0020	Dominion Virginia Power	80	27-Jan-15	28-May-15																																				
Walney Rd South (Sta 9+55 to Sta 14+56)																																								
C1010	Clearing, Saw Cut, & Demo	4	01-May-15	06-May-15																																				
C1030	E/L/B Sewer	2	07-May-15	08-May-15																																				
C1020	E/L/B Drainage & Structures	4	07-May-15	12-May-15																																				
C1040	Excavation / Embankment	6	11-May-15	18-May-15																																				
C1050	Grading	1	19-May-15	19-May-15																																				
C1060	Construct Shared Use Path	2	19-May-15	20-May-15																																				
C1070	Place Agg Base and Underdrain	3	20-May-15	22-May-15																																				
C1080	Place Curb & Gutter, Sidewalk, & Ramp	5	26-May-15	01-Jun-15																																				
C1090	Place Asphalt Base & Interm Courses	3	02-Jun-15	04-Jun-15																																				
C1110	Place Asphalt Surface	1	05-Jun-15	05-Jun-15																																				
C1120	Pav't Markings	1	08-Jun-15	08-Jun-15																																				
C1130	Seeding / Finishes	5	09-Jun-15	15-Jun-15																																				
Walney Rd Bridge (Sta 14+56 to Sta 15+67)																																								
C2010	Structure Excavation	13	01-May-15	19-May-15																																				
C2020	Construct Abutment A Fdn	5	13-May-15	19-May-15																																				
C2030	Construct Abutment B Fdn	5	20-May-15	27-May-15																																				
C2040	Construct Abutment A & Wingwalls	30	20-May-15	01-Jul-15																																				
C2050	Construct Abutment B & Wingwalls	30	28-May-15	09-Jul-15																																				
C2070	Install Prestressed Conc. Box Beams	12	10-Jul-15	27-Jul-15																																				
C2060	Place Riprap Along Abutments	20	10-Jul-15	06-Aug-15																																				
C2080	Place Concrete Deck	12	28-Jul-15	12-Aug-15																																				
C2110	Place Sidewalk & Shared Use Path	4	13-Aug-15	18-Aug-15																																				
C2090	Construct Approach Slab A	7	13-Aug-15	21-Aug-15																																				
C2100	Construct Approach Slab B	7	17-Aug-15	25-Aug-15																																				
C2120	Install Bridge Railings	8	17-Aug-15	26-Aug-15																																				
C2130	Pav't Markings / Finishes	2	27-Aug-15	28-Aug-15																																				
Walney Rd North (Sta 15+67 to Sta 37+93)																																								
C3010	Clearing, Saw Cut, & Demo	16	05-Jun-15	26-Jun-15																																				
C3020	E/L/B Drainage & Structures	30	09-Jun-15	21-Jul-15																																				
C3040	Construct Stormwater Management Pond	22	19-Jun-15	21-Jul-15																																				
C3030	Adjut Sewer Manholes	4	29-Jun-15	02-Jul-15																																				
C3031	E/L/B Watermain	10	22-Jul-15	04-Aug-15																																				
C3050	Excavation / Embankment	25	05-Aug-15	09-Sep-15																																				
C3060	Grading	12	31-Aug-15	16-Sep-15																																				
C3080	Place Agg Base and Underdrain	25	08-Sep-15	12-Oct-15																																				
C3070	Construct Shared Use Path	7	10-Sep-15	18-Sep-15																																				
C3090	Place Curb & Gutter, Sidewalk, & Ramp	20	22-Sep-15	19-Oct-15																																				
C3100	Place Asphalt Base & Interm. Courses	10	13-Oct-15	26-Oct-15																																				
C3120	Place Asphalt Surface	5	27-Oct-15	02-Nov-15																																				
C3130	Pav't Markings	1	04-Nov-15	04-Nov-15																																				
C3140	Seeding / Finishes	17	05-Nov-15	30-Nov-15																																				
Dallas & Walney Rd Intersection (Sta 200+95 to Sta 203+44)																																								
C4010	Saw Cut and Demo	1	17-Sep-15	17-Sep-15																																				
C4020	E/L/B Storm Drainage & Structures	1	18-Sep-15	18-Sep-15																																				
C4040	Place Agg Base and Underdrain	2	21-Sep-15	22-Sep-15																																				





ATTACHMENT 9.3.1

PROPOSAL PAYMENT AGREEMENT

ATTACHMENT 9.3.1
PROPOSAL PAYMENT AGREEMENT

THIS PROPOSAL PAYMENT AGREEMENT (this "Agreement") is made and entered into as of this 30th day of December, 2013, by and between the Virginia Department of Transportation ("VDOT"), and The Lane Construction Corporation ("Offeror").

WITNESSETH:

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

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

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

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

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

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

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

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

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

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

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

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

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

9. **Miscellaneous.**

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

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

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

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

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

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

VIRGINIA DEPARTMENT OF TRANSPORTATION

By: _____

Name: _____

Title: _____

[Insert Offeror's Name] The Lane Construction Corporation

By:  _____

Name: Richard A. McDonough

Title: District Manager



ATTACHMENT 11.8.6(A)

CERTIFICATION REGARDING DEBARMENT PRIMARY COVERED TRANSACTIONS

ATTACHMENT 11.8.6(a)
CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS

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

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

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

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

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

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

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

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


Signature

December 10, 2013
Date

Richard A. McDonough
District Manager
Title

The Lane Construction Corporation
Name of Firm



ATTACHMENT 11.8.6(B)

CERTIFICATION REGARDING DEBARMENT LOWER TIER COVERED TRANSACTIONS

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

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

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

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

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

 Signature	<u>9/30/13</u> Date	<u>Senior Vice President</u> Title
---	------------------------	---------------------------------------

Johnson Mirmiran and Thompson
Name of Firm

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

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

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

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

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

	September 26, 2013	Managing Partner
Signature	Date	Title

Appraisal Review Specialists, LLC
Name of Firm

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

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

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

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

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

	9/30/13	President
Signature	Date	Title

Athavale, Lystad & Associates, Inc.
Name of Firm

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

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

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

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

 9/26/2013 Vice President
Signature Date Title

DMY Engineering Consultants
Name of Firm

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

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

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

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

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



Signature

September 26, 2013

Date

President

Title

EEE Consulting, Inc.

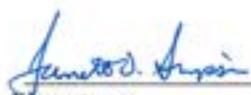
Name of Firm

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

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

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

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

	September 26, 2013	Vice President
Signature	Date	Title

Peggy Malone & Associates, Inc.
Name of Firm

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

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

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

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

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

	September 30, 2013	President
Signature	Date	Title

Quinn Consulting Services, Inc.
Name of Firm

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

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

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

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

 _____ Signature	10-1-13 _____ Date	President _____ Title
Specialized Engineering _____ Name of Firm		

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

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

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

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

 Signature	9-26-2013 Date	Appraiser Title
V. Lynn Kelsey Name of Firm		



WALNEY ROAD BRIDGE REPLACEMENT AND ROAD WIDENING

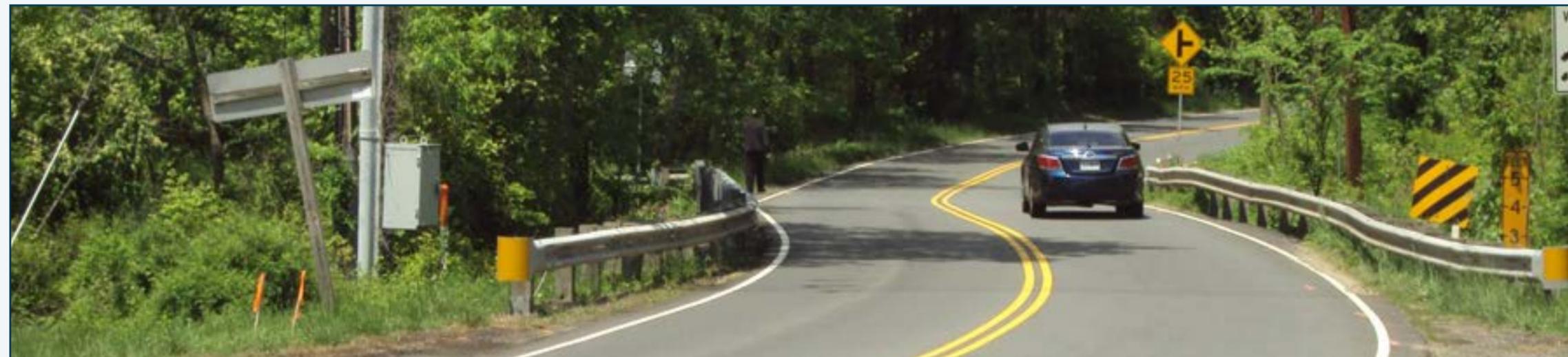
A DESIGN-BUILD PROJECT **B**





WALNEY ROAD BRIDGE REPLACEMENT AND ROAD WIDENING A DESIGN-BUILD PROJECT **B**

FROM: WESTFIELDS BOULEVARD (ROUTE 6755) TO: WILLARD ROAD (ROUTE 6215) AND
FROM: DALLAS STREET (ROUTE 745) TO: 250 FEET NORTH OF DALLAS STREET
FAIRFAX COUNTY, VA



STATE PROJECT NO.: 0657-029-099, R201, C501, B641
FEDERAL PROJECT NO.: STP-5A01(471)
CONTRACT ID NUMBER: C00104103DB62

FOR INDEX OF SHEETS SEE SHEET 1B



FHWA 534 DATA 4H010

STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
VA.		657	(NFO) 0657-029-099 (SEE TABULATION BELOW FOR SECTION NUMBERS)	1

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING DESIGN PACKAGE (GEOPAK).
GEOPAK Computer Identification No. 104103

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
FAIRFAX COUNTY
ROUTE 657 (WALNEY ROAD)
CONCEPTUAL ROAD AND BRIDGE PLANS
FROM: 0.083 MI. SOUTH OF FLATLICK BRANCH
TO: 0.033 MI. NORTH OF DALLAS STREET

URBAN MINOR ARTERIAL - ROLLING - 40 MPH DESIGN SPEED			
FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA			
MAINLINE		CONNECTION	
From: 0.083 MI. South of Flatlick Branch		To: 0.033 MI. North of Dallas Street	
FUNCTIONAL CLASSIFICATION	Urban Minor Arterial (Rolling)		
MIN. DESIGN SPEED	40 MPH		
ADT (Current Year)	20,000 (2013)		
ADT (Design Year)	32,000 (2035)		
DHV	3024 (2036)		
D (%) (design hour)	65		
T (%) (design hour)	2		
V (MPH)	⊕		
TC STD.	TC-5.11ULS		
GEOMETRIC STD.	GS-6		

⊕ See Plan and Profile Sheets for horizontal and vertical curve data.

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	---

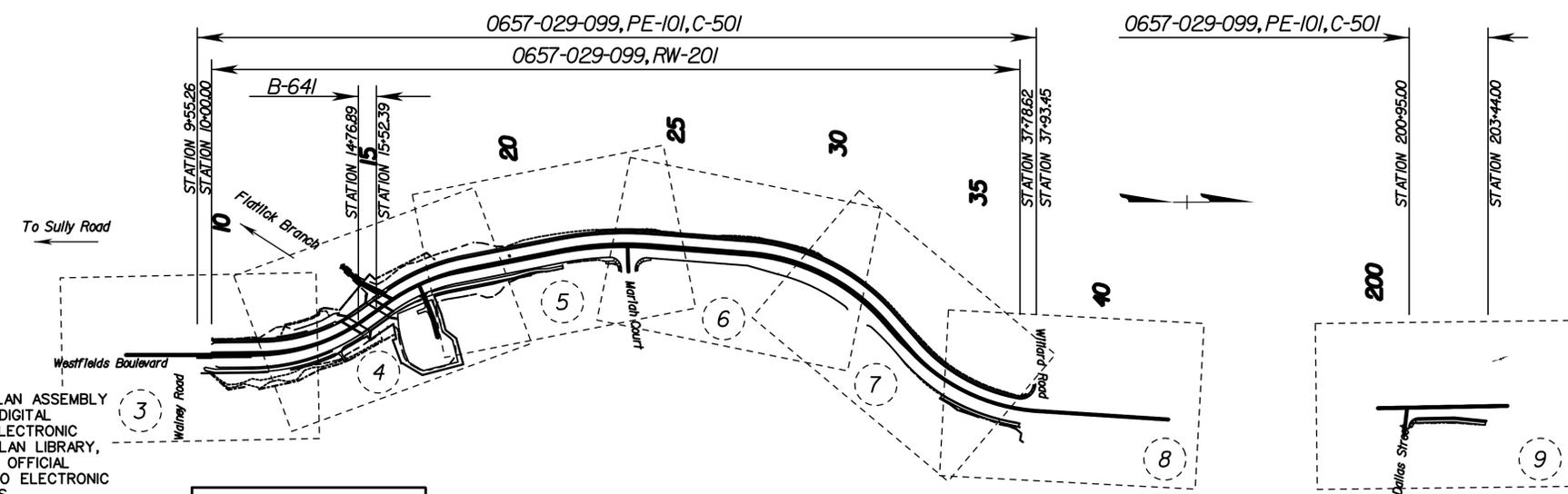
THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY AS AWARDED, HAS BEEN SEALED AND SIGNED USING DIGITAL SIGNATURES AND THE OFFICIAL PLAN ASSEMBLY IN ELECTRONIC FORMAT IS STORED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY, INCLUDING ALL SUBSEQUENT REVISIONS, WILL BE THE OFFICIAL CONSTRUCTION PLANS. 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 ULS, EXCEPT WHERE OTHERWISE NOTED. SEE PROFILE SHEETS FOR DETAILS.

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



DESCRIPTION REFERENCE
P.O.T. 15+16 PROP. RTE 657
CL OF FLATLICK BRANCH

Population Fairfax County: 1,081,726 (2010 Census)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	EQUALITIES		LENGTH INCLUDING BRIDGE(S)		LENGTH EXCLUDING BRIDGE(S)		BRIDGE PLAN NO.	TYPE PROJECT	DESCRIPTION
					FEET	MILES	FEET	MILES	FEET	MILES			
0657-029-099	PE-101		1000	104103			3087.19	0.585	3011.69	0.570		PRE. ENGR.	FROM: 0.083 MI. SOUTH OF FLATLICK BRANCH TO: 0.033 MI. NORTH OF DALLAS STREET
	RW-201		1000	104103			2778.62	0.526	2703.12	0.512		RIGHT-OF-WAY	FROM: 0.083 MI. SOUTH OF FLATLICK BRANCH TO: 0.007 MI. SOUTH OF WILLARD ROAD
	C-501		1000	104103			3087.19	0.585	3011.69	0.572		CONSTR.	FROM: 0.083 MI. SOUTH OF FLATLICK BRANCH TO: 0.033 MI. NORTH OF DALLAS STREET
	B-641			X081	104103			75.50	0.014			BRIDGE	BRIDGE OVER FLATLICK BRANCH

Project Lengths are based on Construction Baseline.

DESCRIPTION REFERENCE
P.O.T. 200+91.24 PROP. RTE 657
CL OF DALLAS STREET

TIER 2 PROJECT

RIGHT OF WAY HAS BEEN ACQUIRED AND CONSTRUCTION COMPLETED IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS

DATE	(DESIGN-BUILD FIRM) DESIGN MANAGER
DATE	(DESIGN-BUILD FIRM) PROJECT MANAGER
DATE	VDOT PROJECT MANAGER
DATE	VDOT DISTRICT CONSTRUCTION ENGINEER OR VDOT PPTA PROGRAM MANAGER
DATE	CHIEF OF POLICY AND ENVIRONMENT
DATE	CHIEF ENGINEER



Copyright , Commonwealth of Virginia

PROJECT NO.	0657-029-099
SHEET NO.	1

PROJECT MANAGER
SURVEYED BY
UNDERGROUND SURVEY BY
DESIGN SUPERVISED BY
DESIGNED BY

LANE

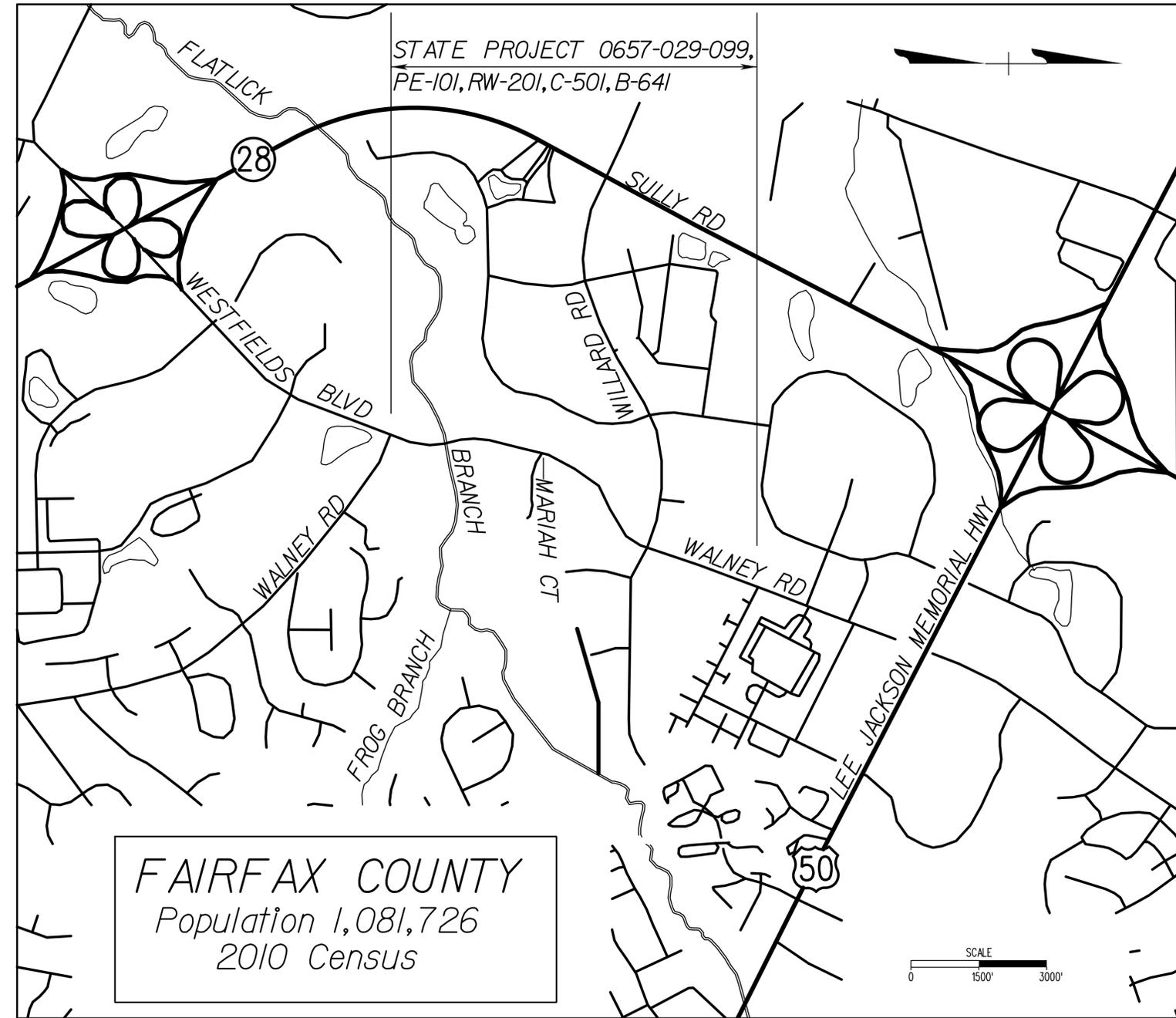
JOHNSON, MIRMIRAN & THOMPSON
Engineering A Brighter Future
13821 Park Center Road, Suite 140, Herndon, Virginia 20171

PROJECT MANAGER
 SURVEYED BY
 SUPERVISED BY
 DESIGNED BY

DESIGN FEATURES RELATING TO CONSTRUCTION
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 MAY BE SUBJECT TO CHANGE AS DEEMED
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REVISED	STATE	FEDERAL AID	STATE		SHEET NO.
	PROJECT	PROJECT	ROUTE	PROJECT	
	VA.		657	0657-029-099, PE-101, RW-201, C-501	1A

PROJECT LOCATION MAP



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

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
	0657-029-099		1A

LANE

JMT
 JOHNSON, MIRMIRAN & THOMPSON
 Engineering A Brighter Future
 13821 Park Center Road, Suite 140, Herndon, Virginia 20171

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 SURVEYED BY
 SUPERVISED BY
 DESIGNED BY

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REVISED	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
	VA.		657	0657-029-099, PE-101, RW-201, C-501	1B

INDEX OF SHEETS

SHEET	DESCRIPTION	STATION TO STATION
1	TITLE SHEET	
1A	PROJECT LOCATION MAP	
1B	INDEX OF SHEETS	
1H	DETOUR PLAN AND NOTES	
2A(1)	TYPICAL SECTION SHEET	
2A(2)	TYPICAL SECTION SHEET	
2A(3)	TYPICAL SECTION SHEET	
2A(4)	TYPICAL SECTION SHEET	
3	ROADWAY PLAN SHEET	STA 9+55.26 to STA 12+50
3A	ROADWAY PROFILE SHEET	STA 9+55.26 to STA 12+50
4	ROADWAY PLAN SHEET	STA 12+50 to STA 18+50
4A	ROADWAY PROFILE SHEET	STA 12+50 to STA 18+50
5	ROADWAY PLAN SHEET	STA 18+50 to STA 24+50
5A	ROADWAY PROFILE SHEET	STA 18+50 to STA 24+50
6	ROADWAY PLAN SHEET	STA 24+50 to STA 30+50
6A	ROADWAY PROFILE SHEET	STA 24+50 to STA 30+50
7	ROADWAY PLAN SHEET	STA 30+50 to STA 36+00
7A	ROADWAY PROFILE SHEET	STA 30+50 to STA 36+00
8	ROADWAY PLAN SHEET	STA 36+00 to STA 37+93.45
8A	ROADWAY PROFILE SHEET	STA 36+00 to STA 37+93.45
9	ROADWAY PLAN SHEET	STA 200+95 to STA 203+44
9A	ROADWAY PROFILE SHEET	STA 200+95 to STA 203+44
10A(1)	BRIDGE B641 - PLAN AND ELEVATION	
10A(2)	ABUTMENT A PLAN, ELEVATION AND SECTION	
10A(3)	ABUTMENT B PLAN, ELEVATION AND SECTION	
10A(4)	TRANSVERSE SECTION	

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PLAN NO.	PROJECT	FILE NO.	SHEET NO.
	0657-029-099		1B

LANE

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 Engineering & Surveying
 13921 Park Center Road, Suite 140, Herndon, Virginia 20171

PROJECT MANAGER
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 DESIGNED BY

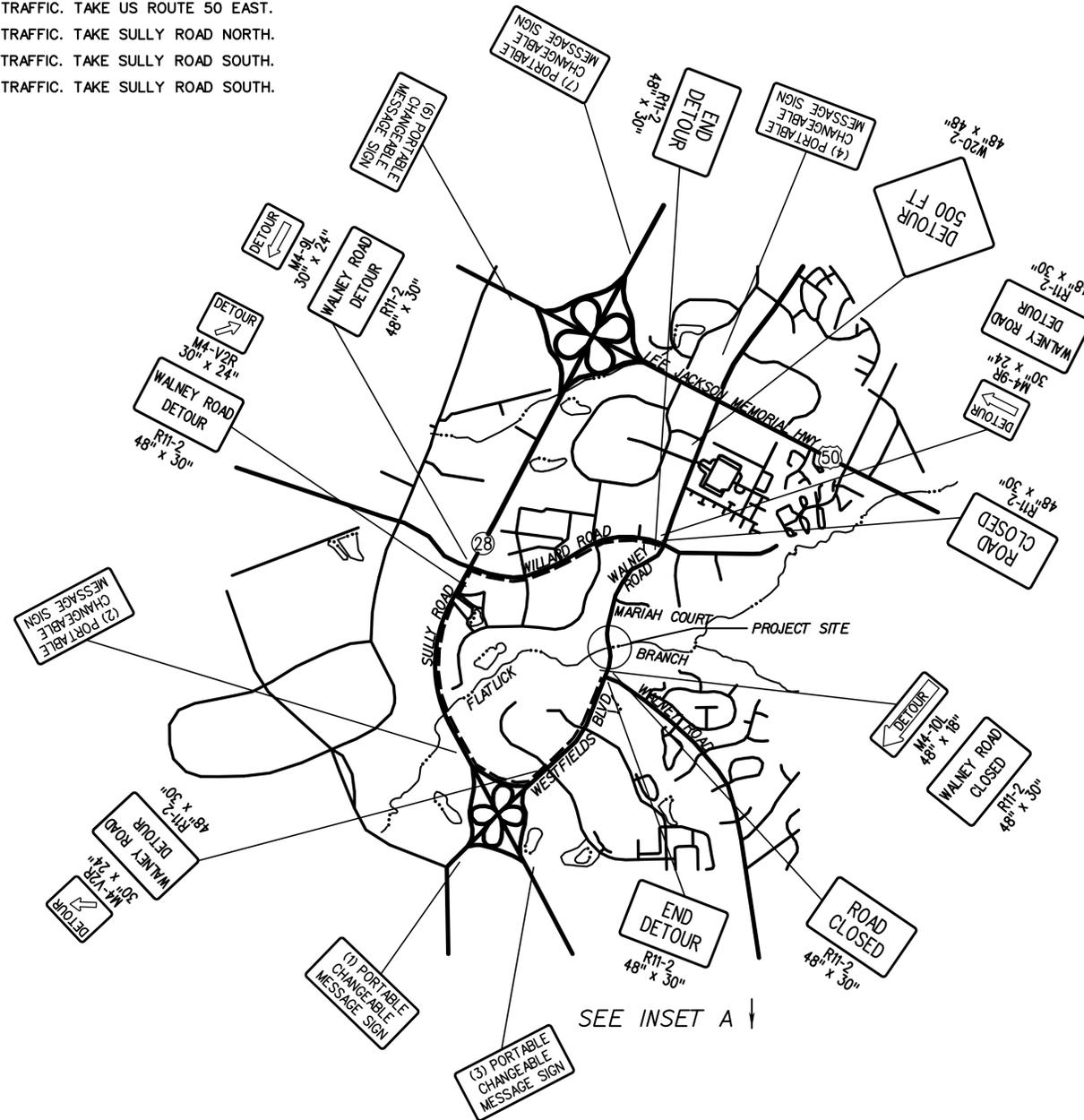
DETOUR PLAN AND NOTES

REVISED	STATE	FEDERAL AID	ROUTE	STATE	SHEET NO.
		PROJECT		PROJECT	
	VA.		657	0657-029-099, PE-101, RW-201, C-501	IH

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

Portable Changeable Message Sign Text:

- (1) WALNEY ROAD CLOSED TO THRU TRAFFIC. TAKE SULLY ROAD NORTH.
- (2) WALNEY ROAD DETOUR. TAKE WESTFIELDS BLVD EAST.
- (3) WALNEY ROAD CLOSED TO THRU TRAFFIC. TAKE SULLY ROAD NORTH.
- (4) WALNEY ROAD CLOSED TO THRU TRAFFIC. TAKE US ROUTE 50 EAST.
- (5) WALNEY ROAD CLOSED TO THRU TRAFFIC. TAKE SULLY ROAD NORTH.
- (6) WALNEY ROAD CLOSED TO THRU TRAFFIC. TAKE SULLY ROAD SOUTH.
- (7) WALNEY ROAD CLOSED TO THRU TRAFFIC. TAKE SULLY ROAD SOUTH.

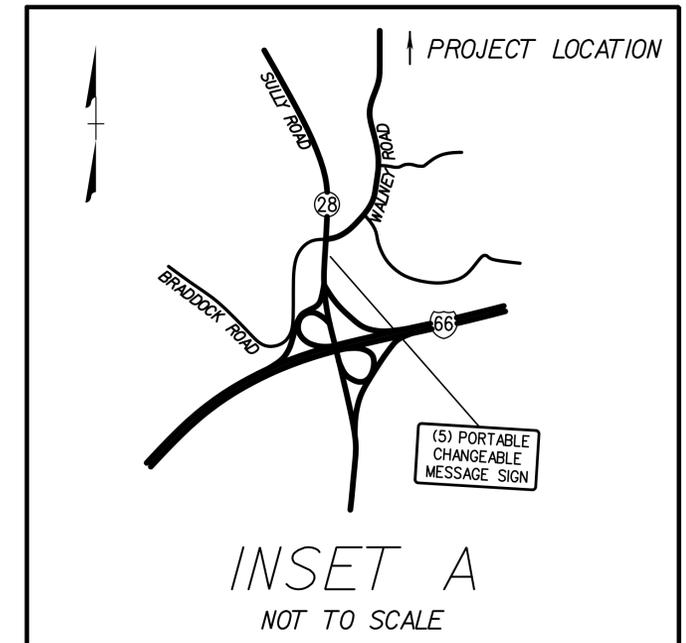


WALNEY ROAD DETOUR
 NOT TO SCALE

Note: Denotes detour route.

Walney Road Detour Narrative:

1. During construction Walney Road between Westfields Boulevard and Willard Road will be closed to through traffic. Two Type III barricades with 'ROAD CLOSED' signage will be installed at the begin and end of the project to alert drivers to the road closure.
2. It is estimated that seven portable, changeable message signs will be required for the detour.
3. The detour route is depicted in the diagram labeled 'WALNEY ROAD DETOUR' on this sheet. The proposed detour utilizes Westfields Boulevard, Sully Road, and Willard Road to route traffic to Walney Road north and south of the project.
4. Utilities shown on the plans are not guaranteed to be complete and accurate. The Contractor shall be responsible for insuring that all utilities within the project limits are identified and located before beginning work.
5. Resident, business, and emergency access within the project limits shall be maintained at all times during construction.
6. The Contractor shall notify the Engineer at least 72 hours prior to the commencement of work.
7. Nighttime and weekend work will only be permitted with prior approval from the Engineer.



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 NO.	PROJECT	FILE NO.	SHEET NO.
	0657-029-099		IH

LANE

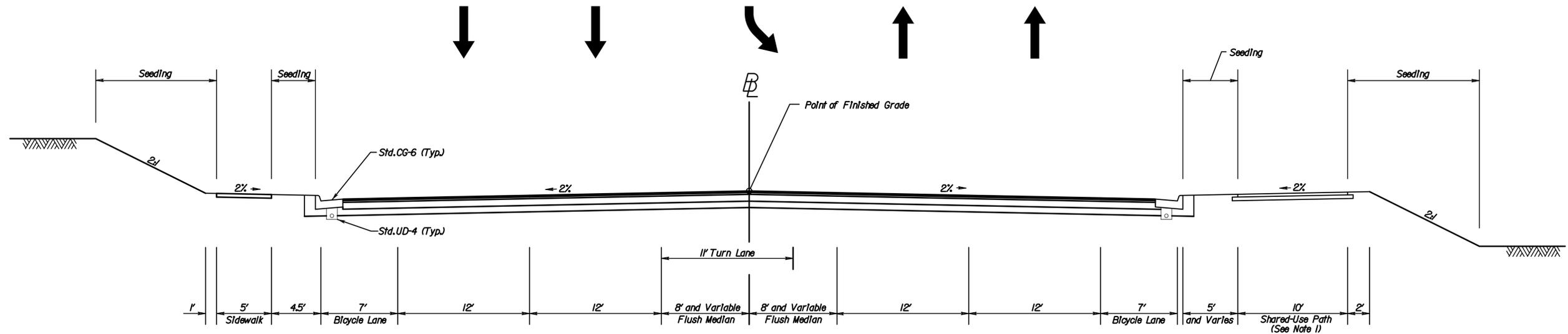
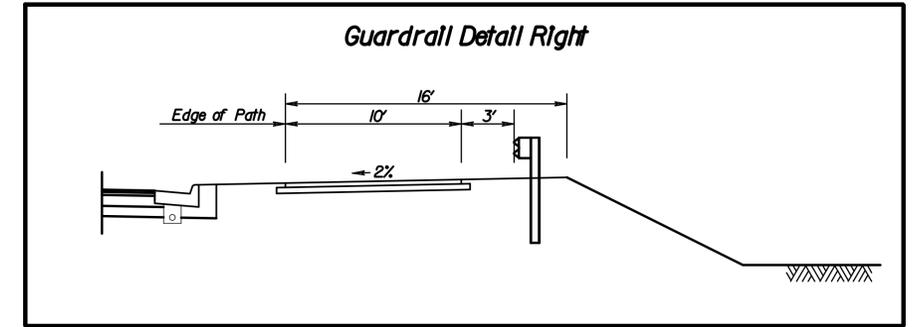
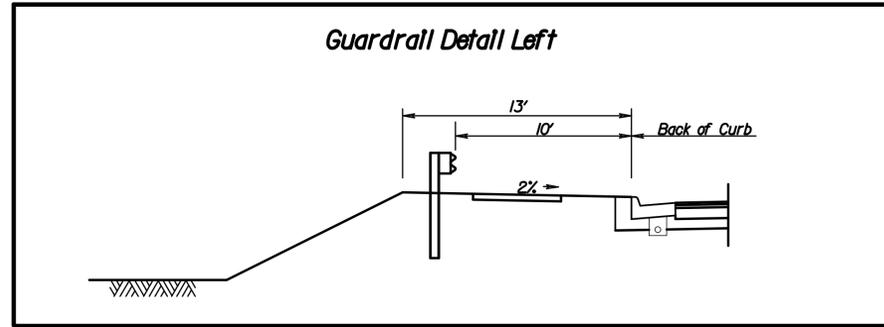
JOHNSON, MIRMIRAN & THOMPSON
 Engineering A Brighter Future
 13821 Park Center Road, Suite 140, Herndon, Virginia 20171

PROJECT MANAGER
 SURVEYED BY
 SUPERVISED BY
 DESIGNED BY

REVISED	STATE	FEDERAL AID	ROUTE	STATE	SHEET NO.
		PROJECT		PROJECT	
	VA.		657	0657-029-099, P-101, R-201, C-501	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

TYPICAL SECTIONS



Route 657

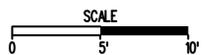
Urban Minor Arterial - 40 MPH Design Speed - VDOT Standard GS-6 (Urban Low Speed)

Station 9+55.26 to Station 14+76.89

NOTES:

1. The Shared-Use Path transitions from 10' adjacent to the roadway to 8' on the bridge.

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

LANE

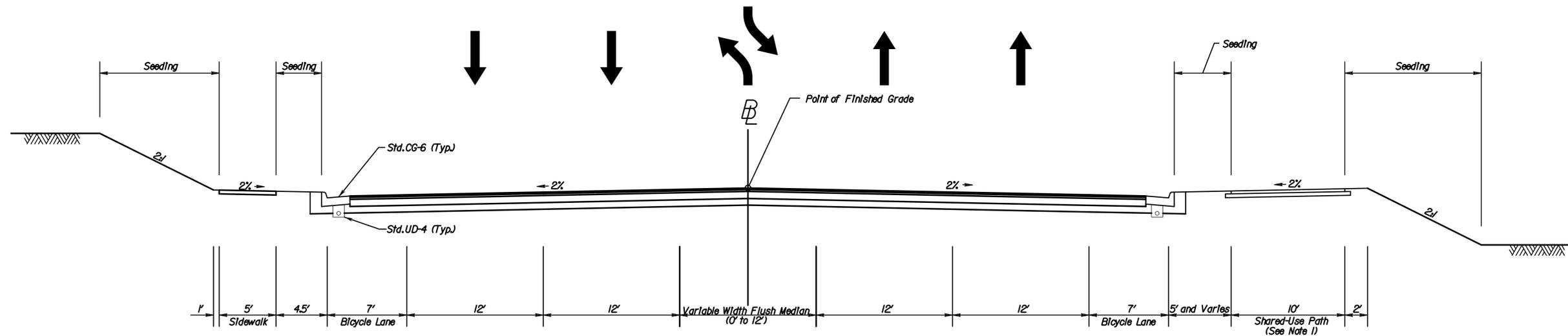
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PROJECT MANAGER
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REVISED	STATE	FEDERAL AID	ROUTE	STATE	SHEET NO.
	VA.	PROJECT	657	PROJECT	2A(2)
				0657-029-099, P-101, R-201, C-501	

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

TYPICAL SECTIONS



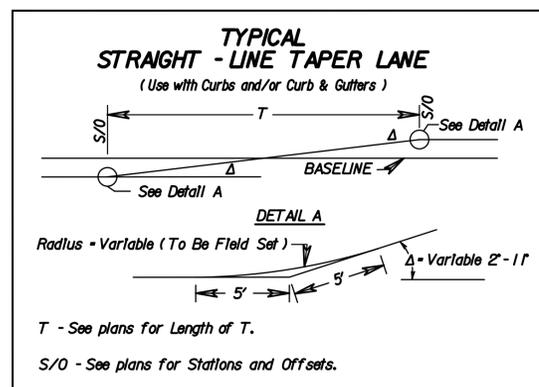
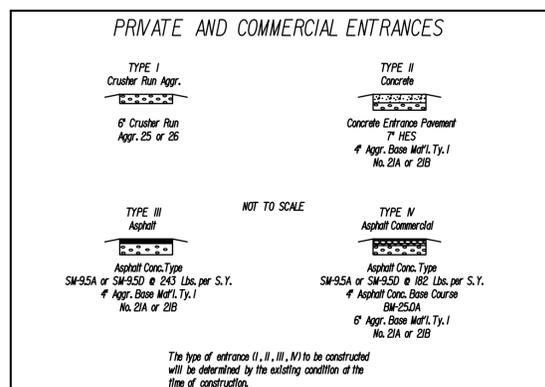
Route 657

Urban Minor Arterial - 40 MPH Design Speed - VDOT Standard GS-6 (Urban Low Speed)

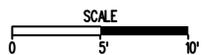
Station 15+52.39 to Station 24+44.56

NOTES:

1. The Shared-Use Path transitions from 10' adjacent to the roadway to 8' on the bridge.



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

LANE

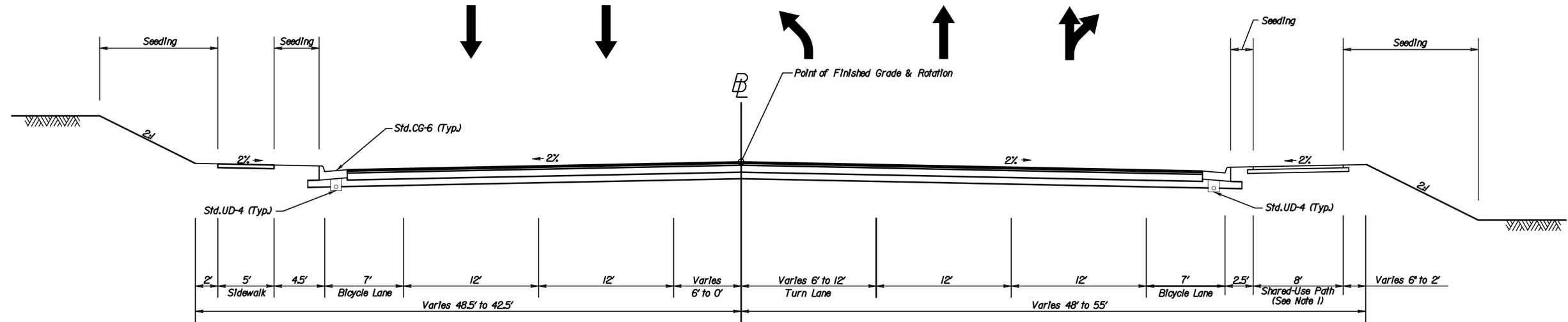
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 Engineering & Architecture
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PROJECT MANAGER
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REVISED	STATE	FEDERAL AID	ROUTE	STATE	SHEET NO.
		PROJECT		PROJECT	
	VA.		657	0657-029-099, P-101, R-201, C-501	2A(3)

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

TYPICAL SECTIONS



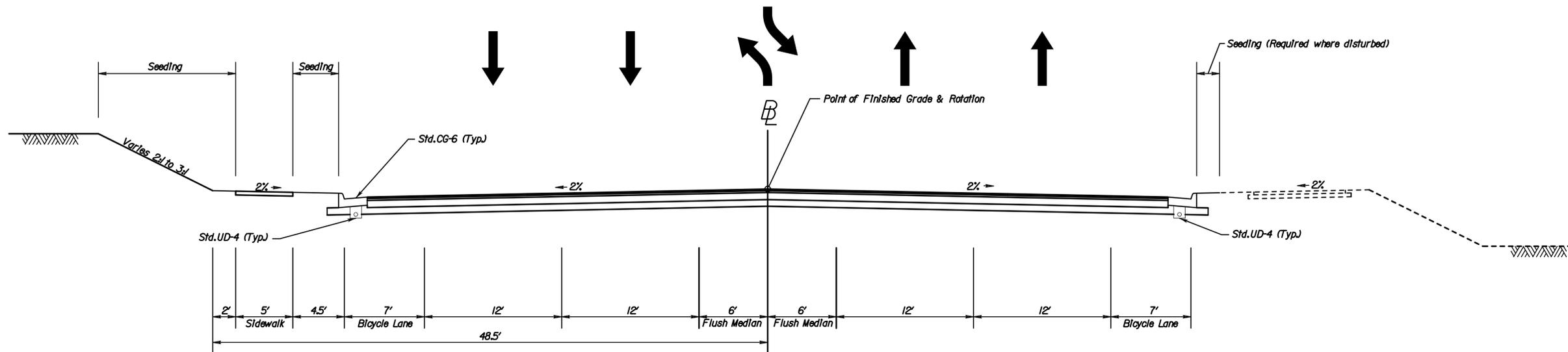
Route 657

Urban Minor Arterial - 40 MPH Design Speed - VDOT Standard GS-6 (Urban Low Speed)

Station 33+06.00 to Station 37+93.45

NOTES:

1. The existing shared-use path shall remain in-place between Marlah Court and Station 35+12.

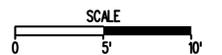


Route 657

Urban Minor Arterial - 40 MPH Design Speed - VDOT Standard GS-6 (Urban Low Speed)

Station 24+44.56 to Station 33+06.00

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

LANE

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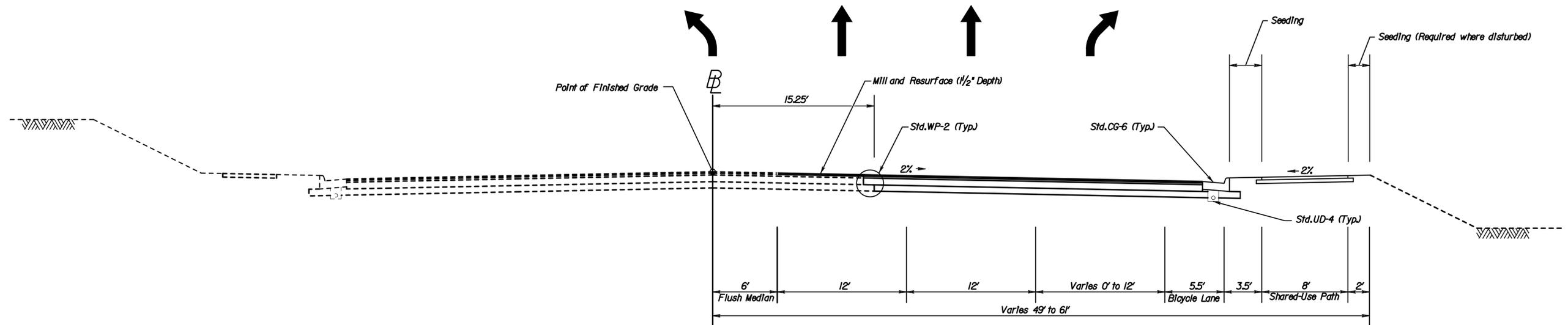
PROJECT MANAGER
 SURVEYED BY
 SUPERVISED BY
 DESIGNED BY

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

TYPICAL SECTIONS

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

NOTES:
 1. Tie In curb and gutter Station 203+44.

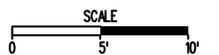


Route 657 (near Dallas Street)

Urban Minor Arterial - 40 MPH Design Speed - VDOT Standard GS-6 (Urban Low Speed)

Station 200+95.00 to Station 203+44.00

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

LANE

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 Engineering & Architecture
 13821 Park Center Road, Suite 140, Herndon, Virginia 20171

PROJECT MANAGER
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 DESIGNED BY

UTILITY OWNERS

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

Wastewater Management Government Center
 12000 Government Center Parkway
 Fairfax, VA 22035
 Ned Langdon (703) 324-5002

Dominion Virginia Power
 701 East Cary Street
 Jenny Cormier, Kingsley
 Underground Damage Prevention Manager
 Dominion Emergency Preparedness Center
 (804) 771-3655
 Jennifer.Kingsley@dom.com

Verizon
 2980 Fairview Park Drive, 6th Floor
 Falls Church, VA 22042
 Steven H. Puryear/Myra D. Miller
 (703) 204-5072 / (703) 240-5151

Cox Communications
 7741 Southern Drive
 Springfield, VA 22150
 Ginger Starling

MCI
 Department 42864, Location 107
 2400 North Glenville
 Richardson, TX 75082
 (800) 624-9675

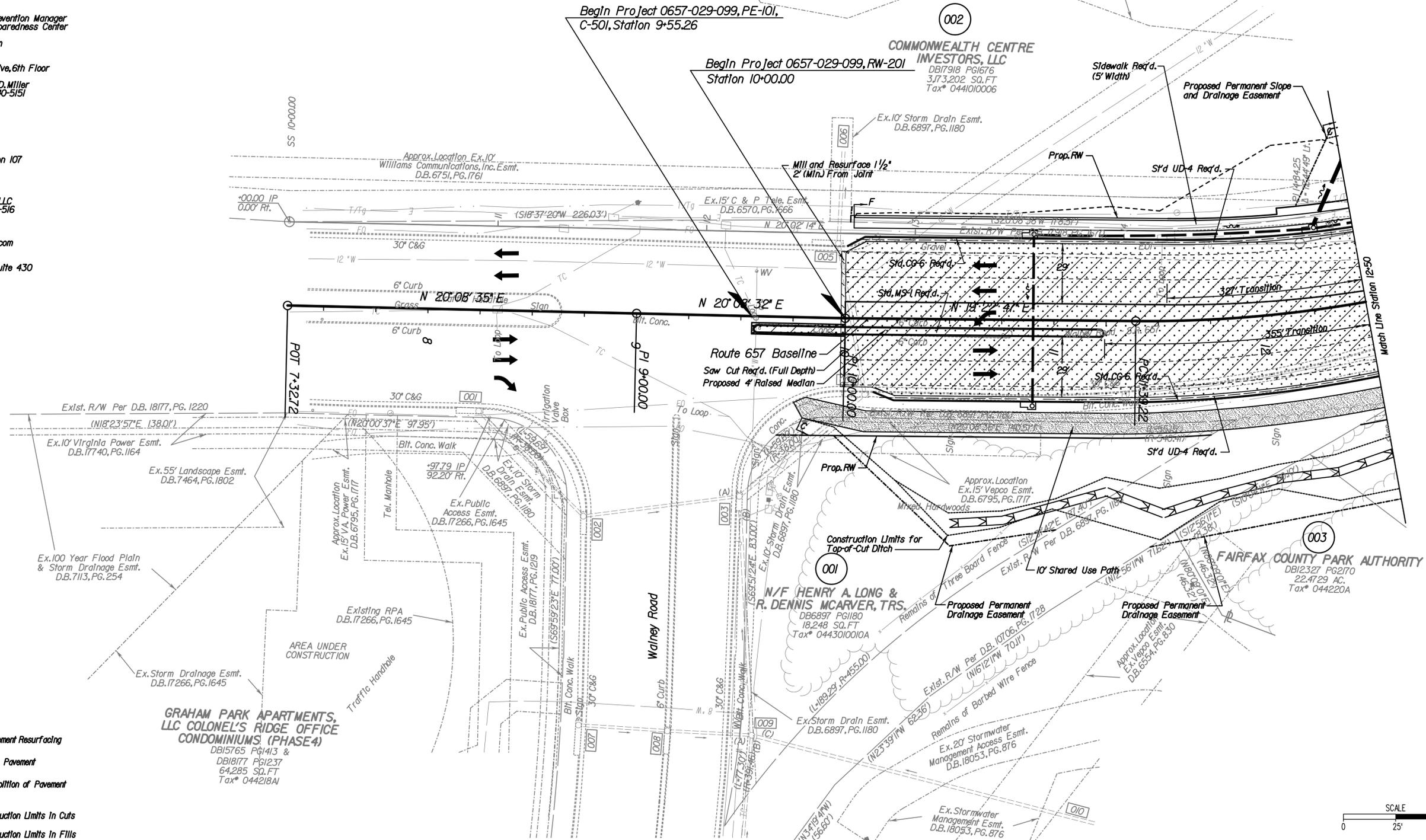
Level (3) Communications, LLC
 1025 Eldorado Blvd, 33A-516
 Broomfield, CO 80002
 Megan Sturdevant
 (720) 888-3860
 Megan.Sturdevant@level3.com

Washington Gas
 6800 VERSAR Center, Suite 430
 Springfield, VA 22151
 Mike Edwards
 (703) 402-1513

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

DESIGN FEATURES RELATING TO CONSTRUCTION
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- Denotes Pavement Resurfacing
- Denotes New Pavement
- Denotes Demolition of Pavement
- Denotes Construction Limits In Cuts
- Denotes Construction Limits In Fills

**GRAHAM PARK APARTMENTS,
 LLC COLONEL'S RIDGE OFFICE
 CONDOMINIUMS (PHASE 4)**
 DB15765 PG1413 &
 DB18177 PG1237
 64,285 SQ. FT
 Tax* 044218A1



PLAN NO.	PROJECT	FILE NO.	SHEET NO.
	0657-029-099		3

LANE

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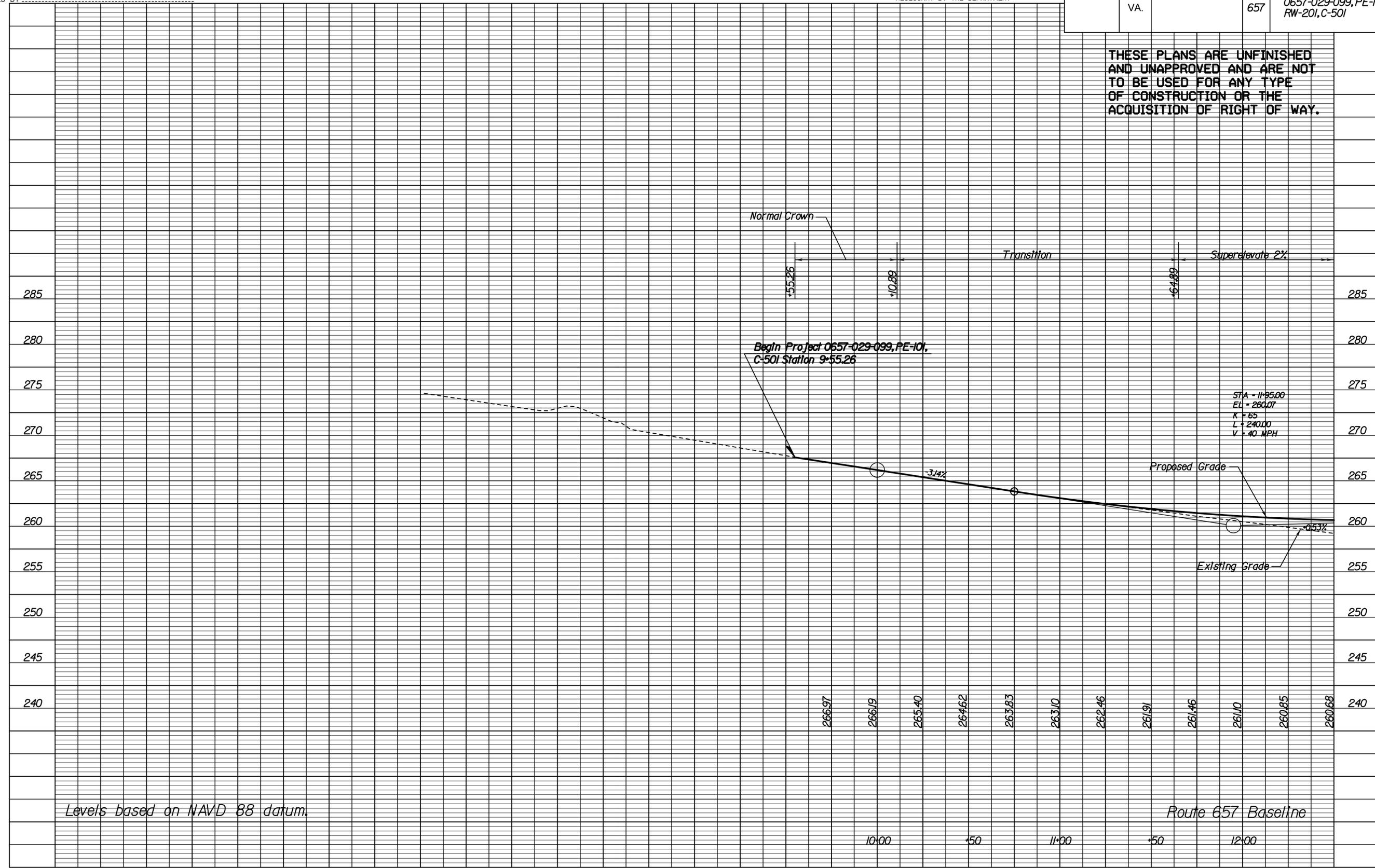


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DESIGN FEATURES RELATING TO CONSTRUCTION
 OR TO REGULATION AND CONTROL OF TRAFFIC
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 NECESSARY BY THE DEPARTMENT

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

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Levels based on NAVD 88 datum.

Route 657 Baseline

10+00 11+00 12+00

LANE

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 Engineering A Brighter Future
 13821 Park Center Road, Suite 140, Herndon, Virginia 20171

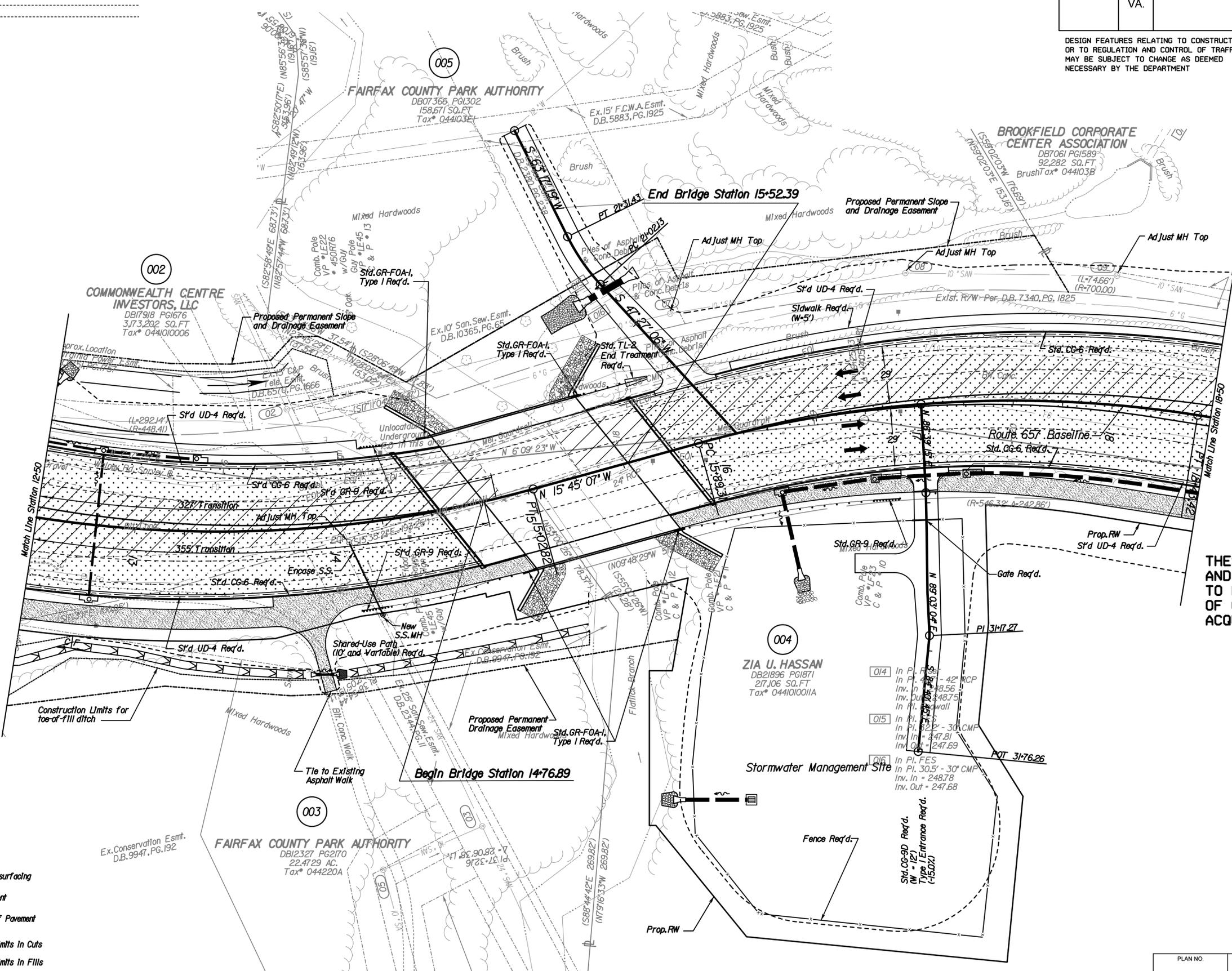
PLAN NO.	PROJECT	FILE NO.	SHEET NO.
	0657-029-099		3A

PROJECT MANAGER
 SURVEYED BY
 SUPERVISED BY
 DESIGNED BY

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

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

- UTILITY OWNERS**
- Fairfax Water Authority
 Tech Service Department
 8570 Executive Park Ave
 Fairfax, VA 22031
 Michael Jenkins (703) 698-5600 Ex.6358
 mjenkins@fairfaxwater.org
 - Wastewater Management Government Center
 12000 Government Center Parkway
 Fairfax, VA 22035
 Ned Langdon (703) 324-5002
 - Dominion Virginia Power
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 Jenny Cormier Kingsley
 Underground Damage Prevention Manager
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 (804) 771-3655
 jenniferc.kingsley@dom.com
 - Verizon
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 (703) 204-5072 / (703) 240-5151
 - Cox Communications
 774 Southern Drive
 Springfield, VA 22150
 Ginger Starling
 - MCI
 Department 42864, Location 107
 2400 North Glenville
 Richardson, TX 75082
 (800) 624-9675
 - Level (3) Communications, LLC
 1025 Eldorado Blvd, 33A-516
 Broomfield, CO 80021
 Megan Sturdevant
 (720) 888-3860
 Megan.Sturdevant@level3.com
 - Washington Gas
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- Denotes Pavement Resurfacing
- Denotes New Pavement
- Denotes Demolition of Pavement
- Denotes Construction Limits In Cuts
- Denotes Construction Limits In Fills



PLAN NO.	PROJECT	FILE NO.	SHEET NO.
	0657-029-099		4

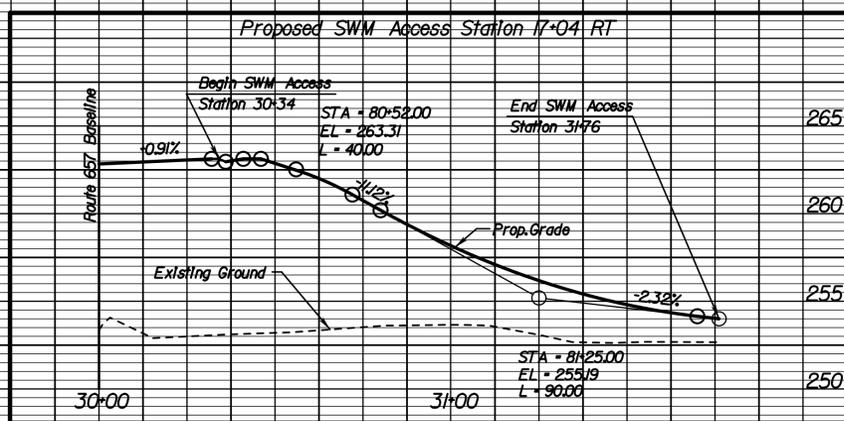
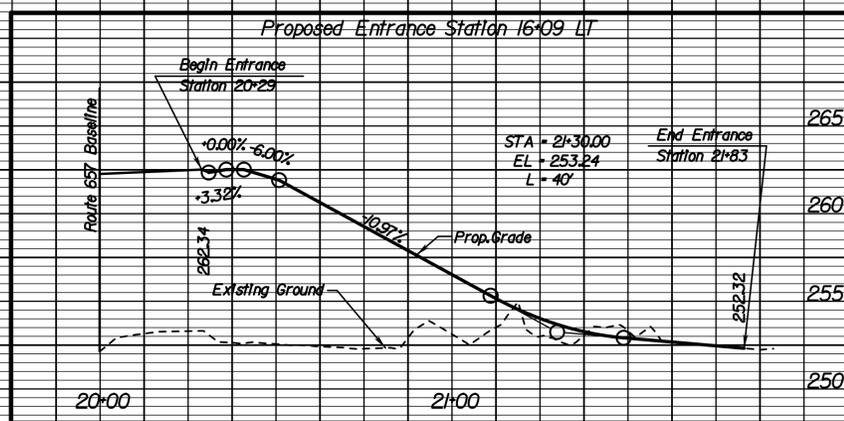
LANE

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 Engineering A Brighter Future
 13821 Park Center Road, Suite 140, Herndon, Virginia 20171

PROJECT MANAGER _____
 SURVEYED BY _____
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REVISED	STATE	FEDERAL AID	ROUTE	STATE	SHEET NO.
	VA.	PROJECT	657	PROJECT	
				0657-029-099, PE-101, RW-201, C-501	4A



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Superelevate 2%

Transition

Superelevate 2%

+62.07'

+23.07'

+17.76'

285
280
275
270
265
260
255
250
245
240

285
280
275
270
265
260
255
250
245
240

Begin Bridge Station 14+76.89

End Bridge Station 15+52.39

Private Entrance LT
Station 16+09

SWM Access Road RT
Station 17+90

Proposed Grade

100-Year Flood
Elevation 257.32'

Existing Grade

260.61 260.64 260.76 260.89 261.02 261.15 261.29 261.42 261.55 261.68 261.82 261.95 262.08 262.21 262.34 262.48 262.62 262.83 263.14 263.53 264.02 264.60 265.27 266.03

Route 657 Baseline

12:00 +50 13:00 +50 14:00 +50 15:00 +50 16:00 +50 17:00 +50 18:00

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
	0657-029-099		4A

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

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Notes:
1. Sanitary Sewer Manhole at Station 20+39 Right to be adjusted as part of this project.

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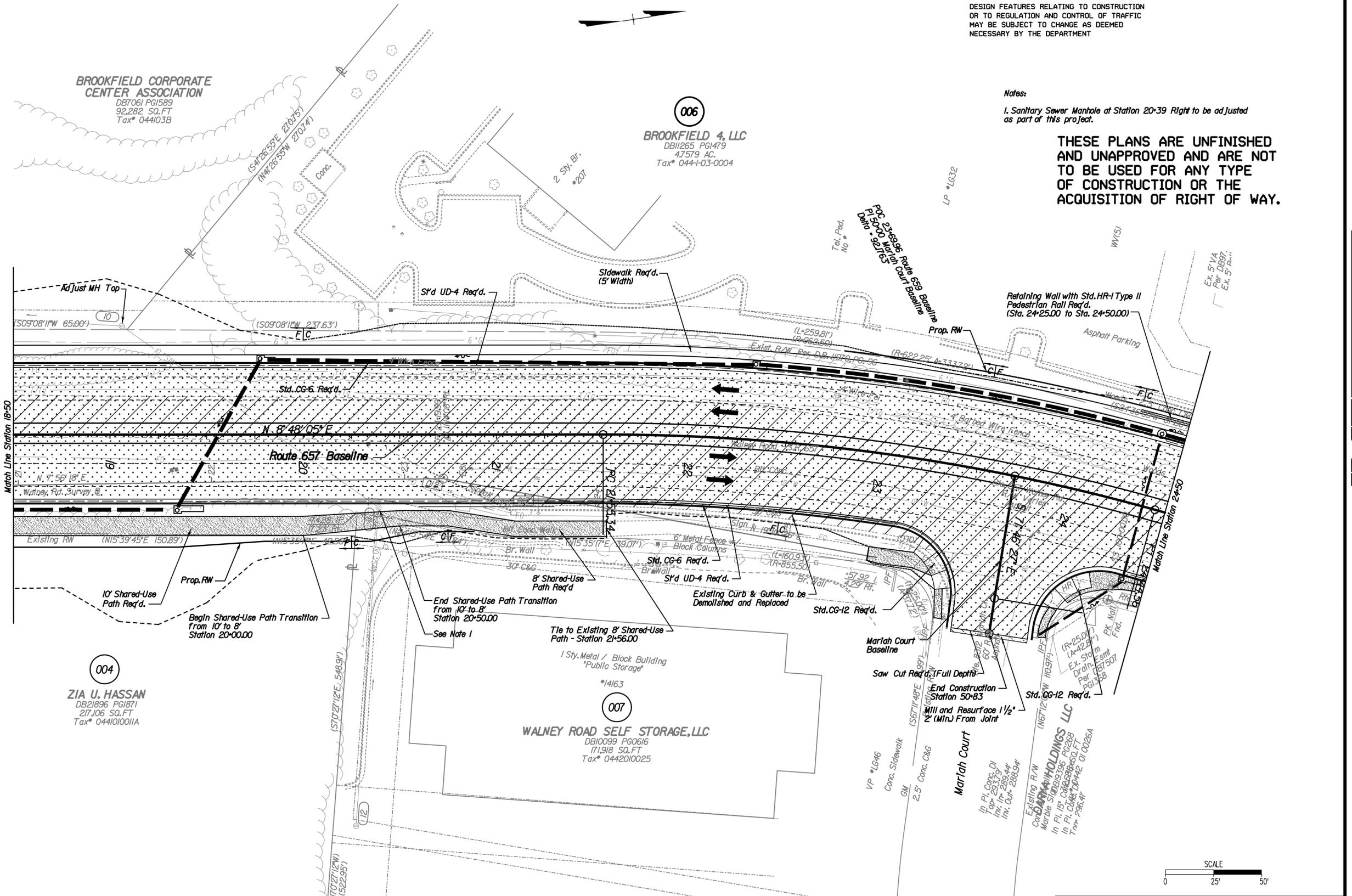
Verizon
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Cox Communications
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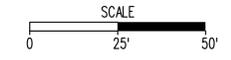
MCI
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PLAN NO.	PROJECT	FILE NO.	SHEET NO.
	0657-029-099		5

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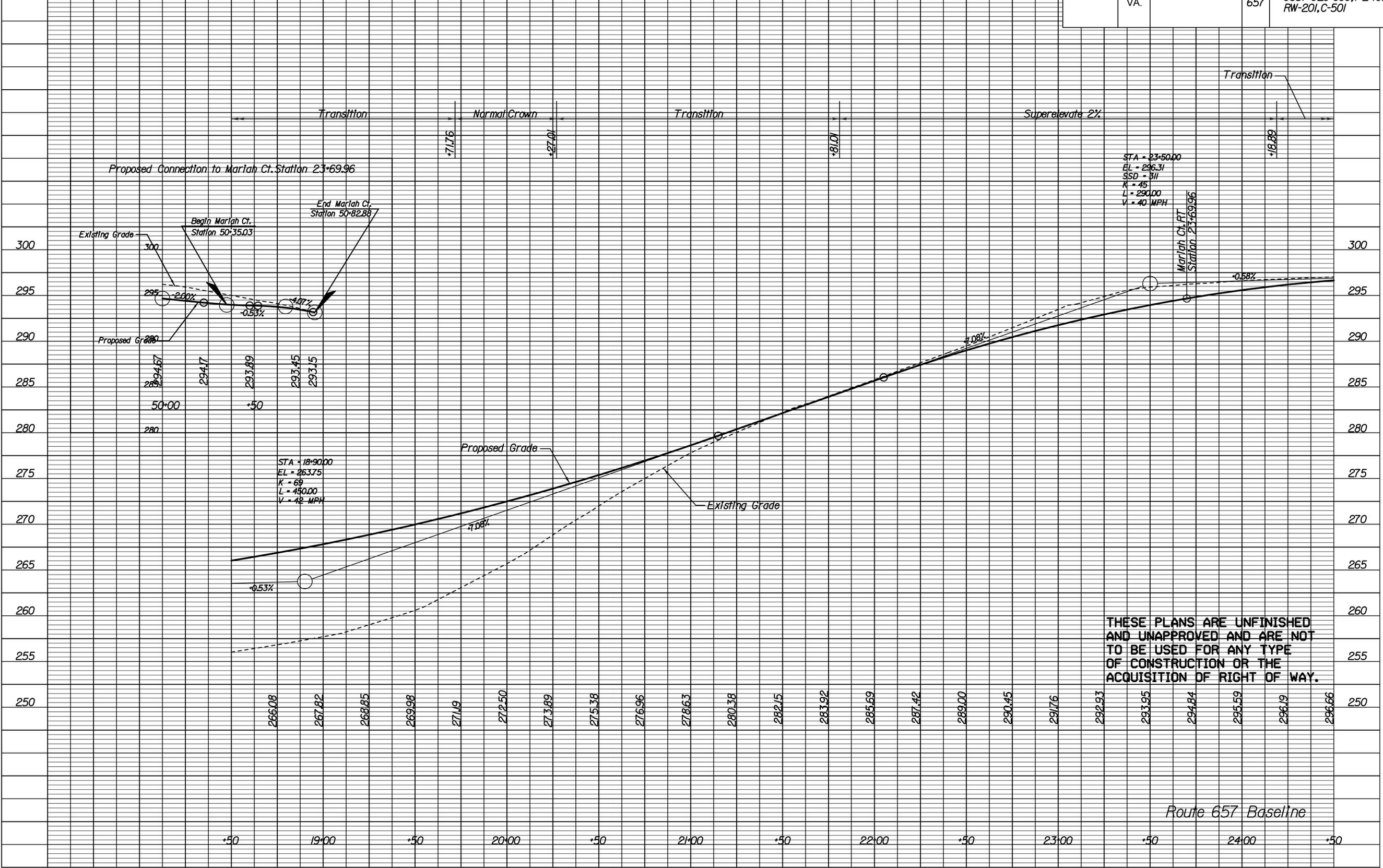
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REVISED	STATE	FEDERAL AID	ROUTE	STATE	SHEET NO.
	VA.	PROJECT	657	PROJECT	5A
				0657-029-099, PE-101, RW-201, C-501	



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Route 657 Baseline

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
	0657-029-099		5A

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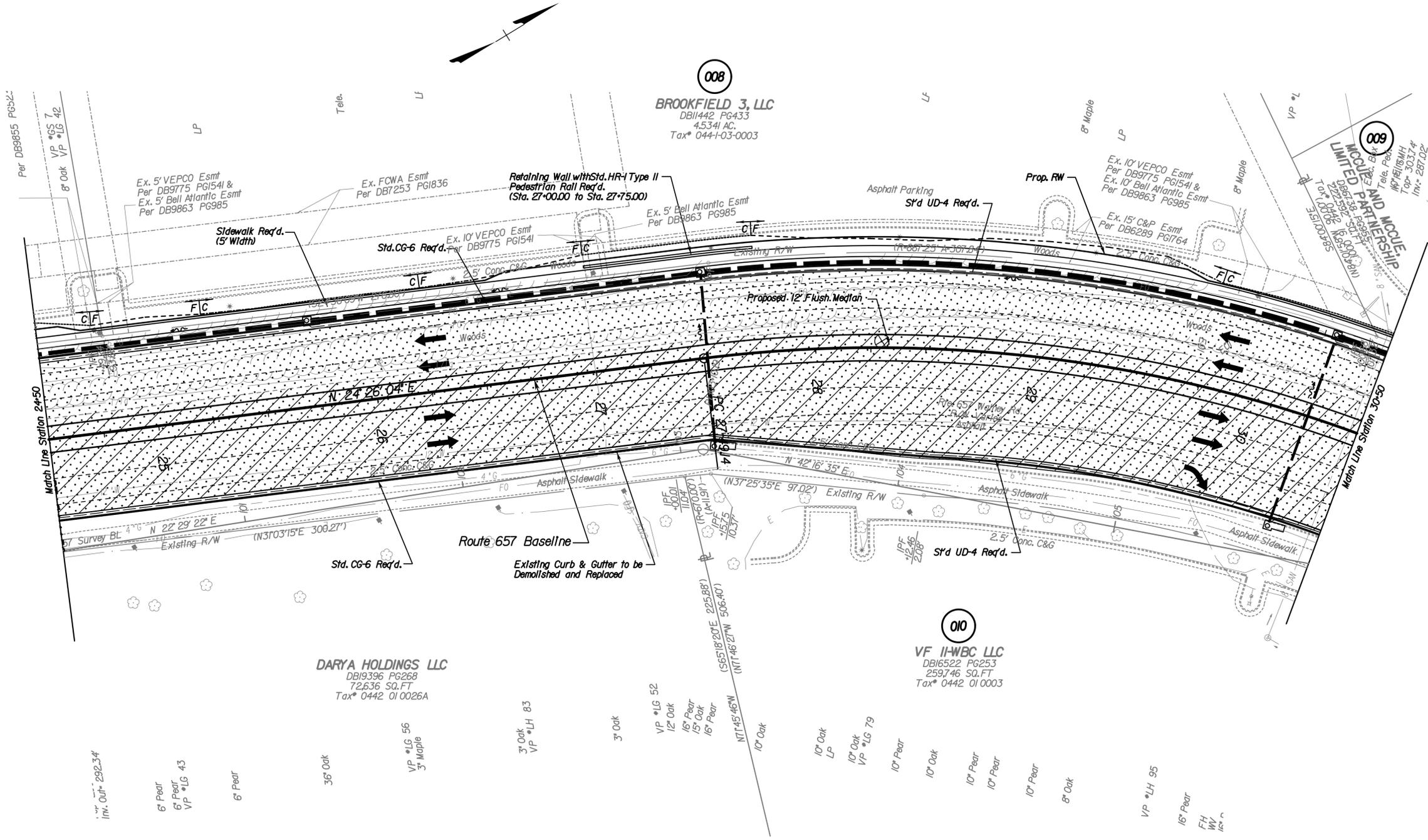
Level (3) Communications, LLC
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REVISED	STATE	FEDERAL AID	ROUTE	STATE	SHEET NO.
	VA.		657	0657-029-099, PE-101, RW-201, C-501, B-641	6

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PLAN NO.	PROJECT	FILE NO.	SHEET NO.
	0657-029-099		6

LANE

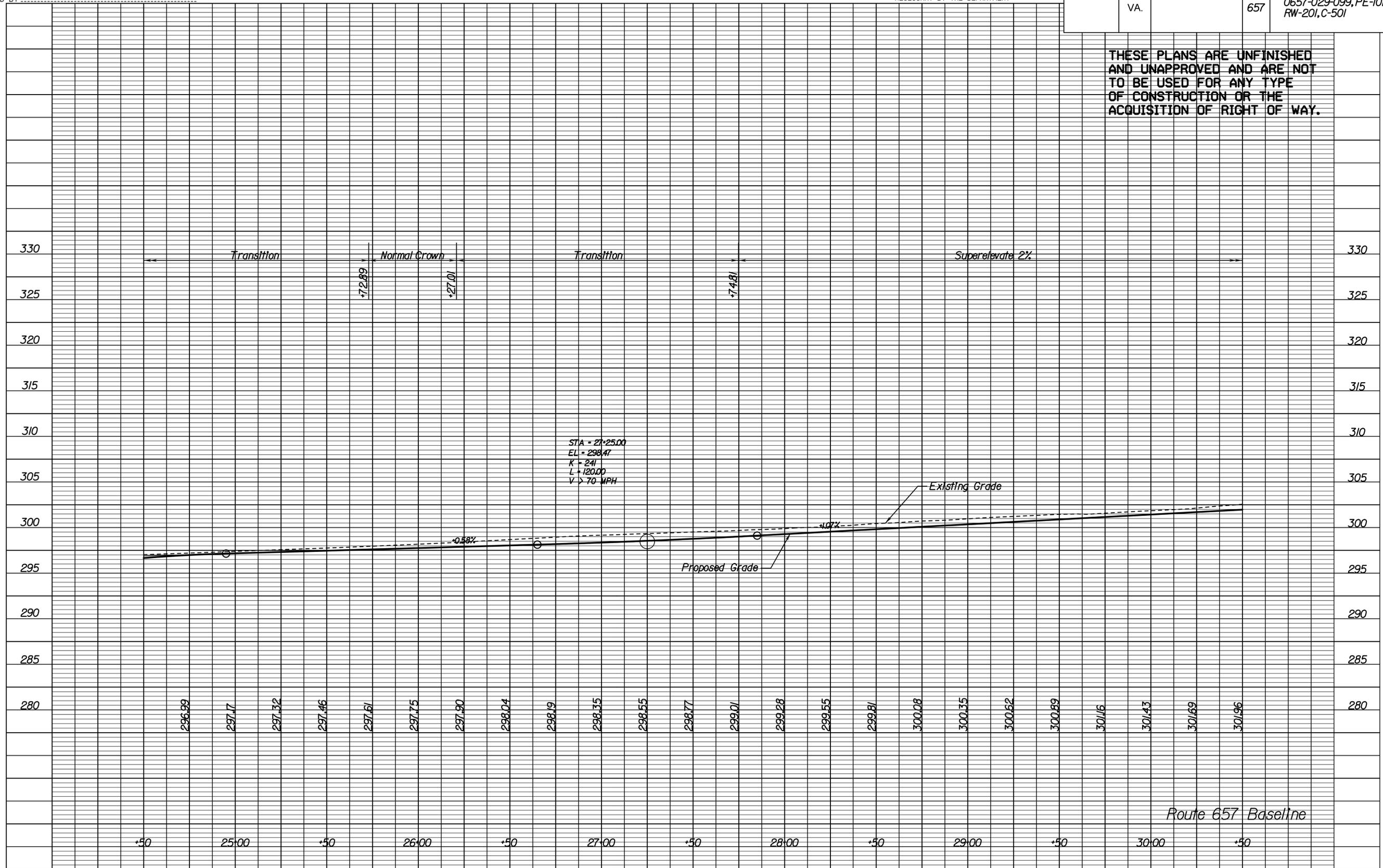
JOHNSON, MIRMIRAN & THOMPSON
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	VA.		657	0657-029-099, PE-101, RW-201, C-501	6A

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Route 657 Baseline

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
	0657-029-099		6A

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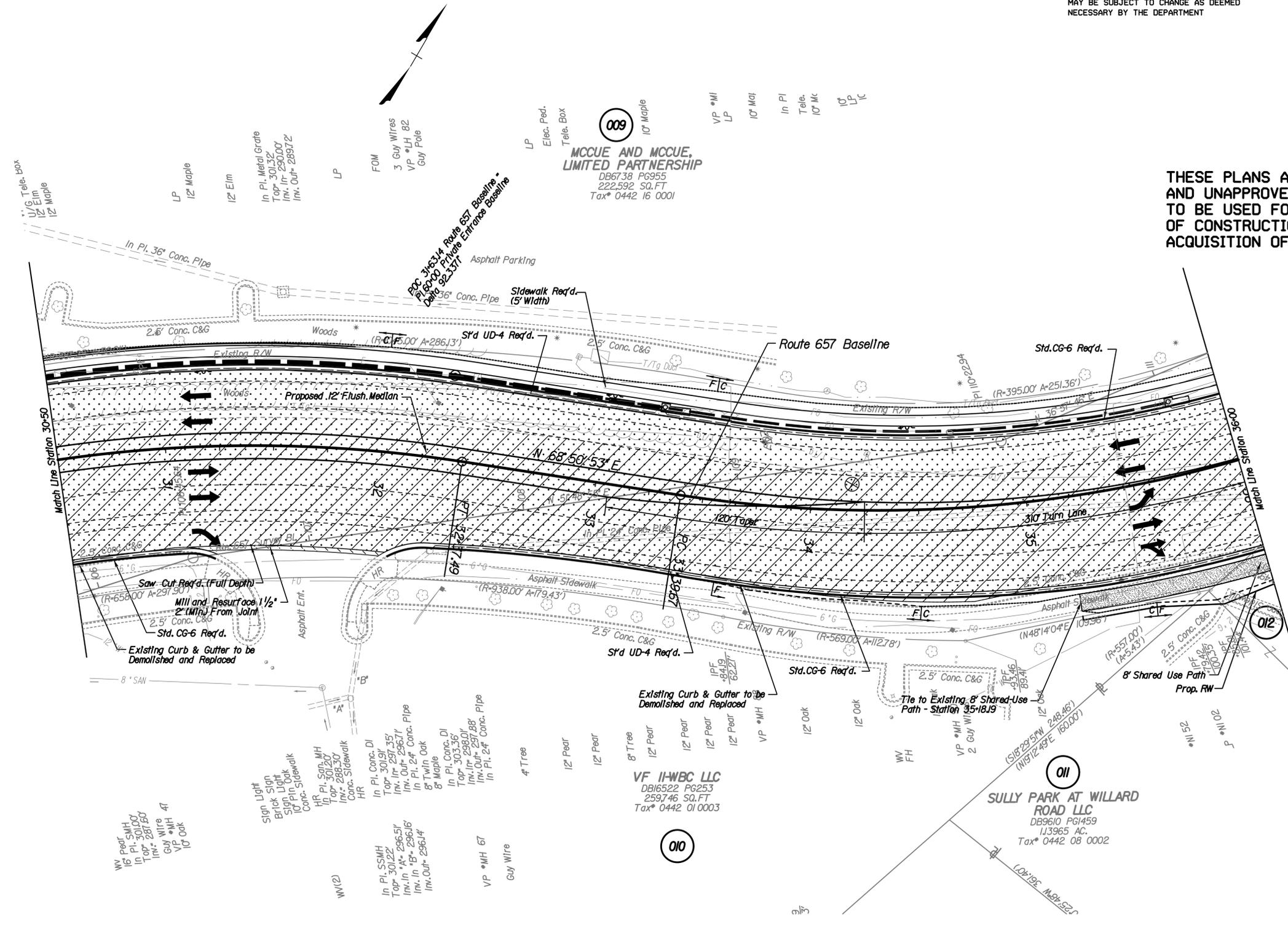
REVISED	STATE	FEDERAL AID	ROUTE	STATE	SHEET NO.
	VA.	PROJECT	657	PROJECT	7
					0657-029-099, PE-101, RW-201, C-501, B-641

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PLAN NO.	PROJECT	FILE NO.	SHEET NO.
	0657-029-099		7

LANE

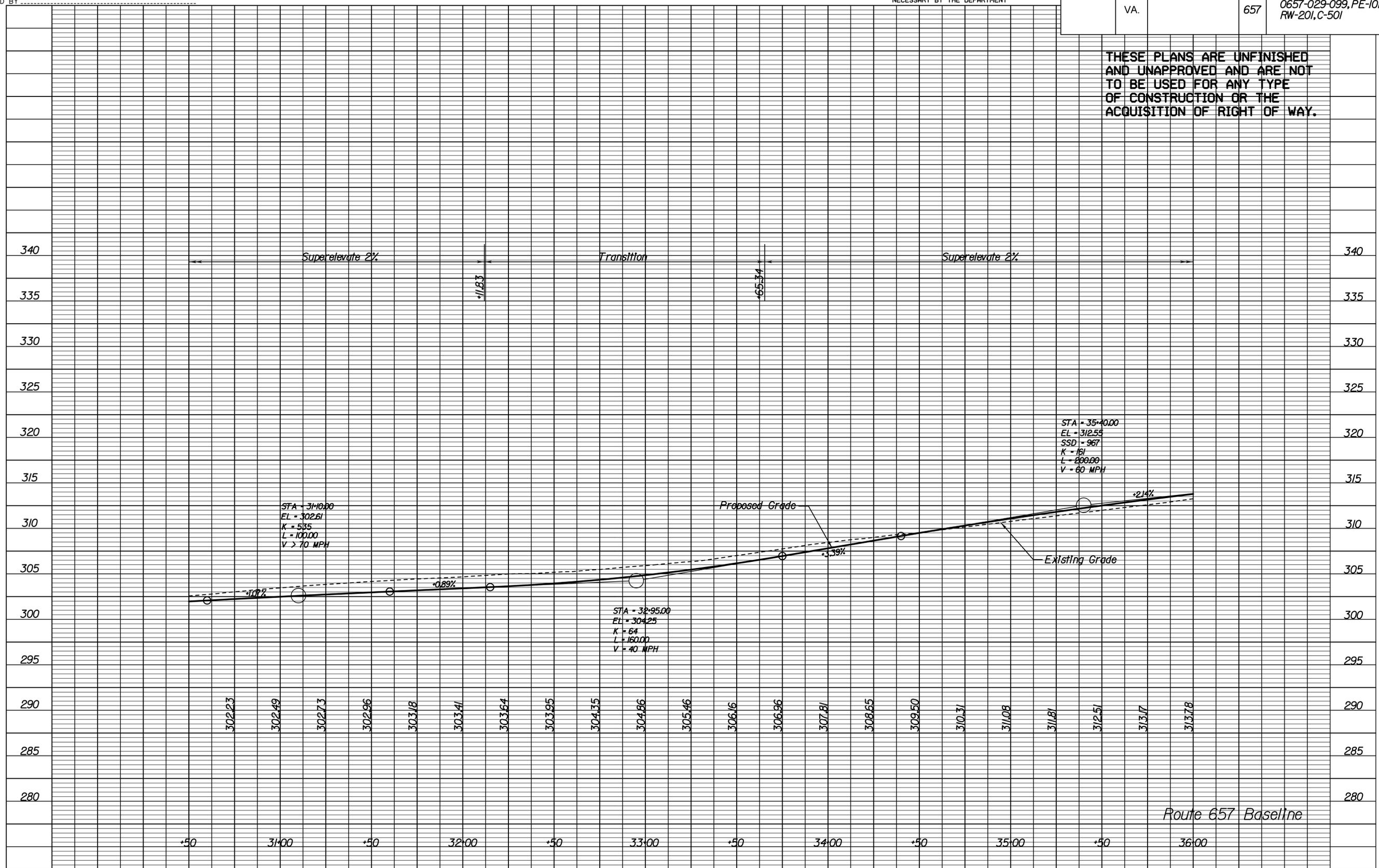
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	0657-029-099		7A

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

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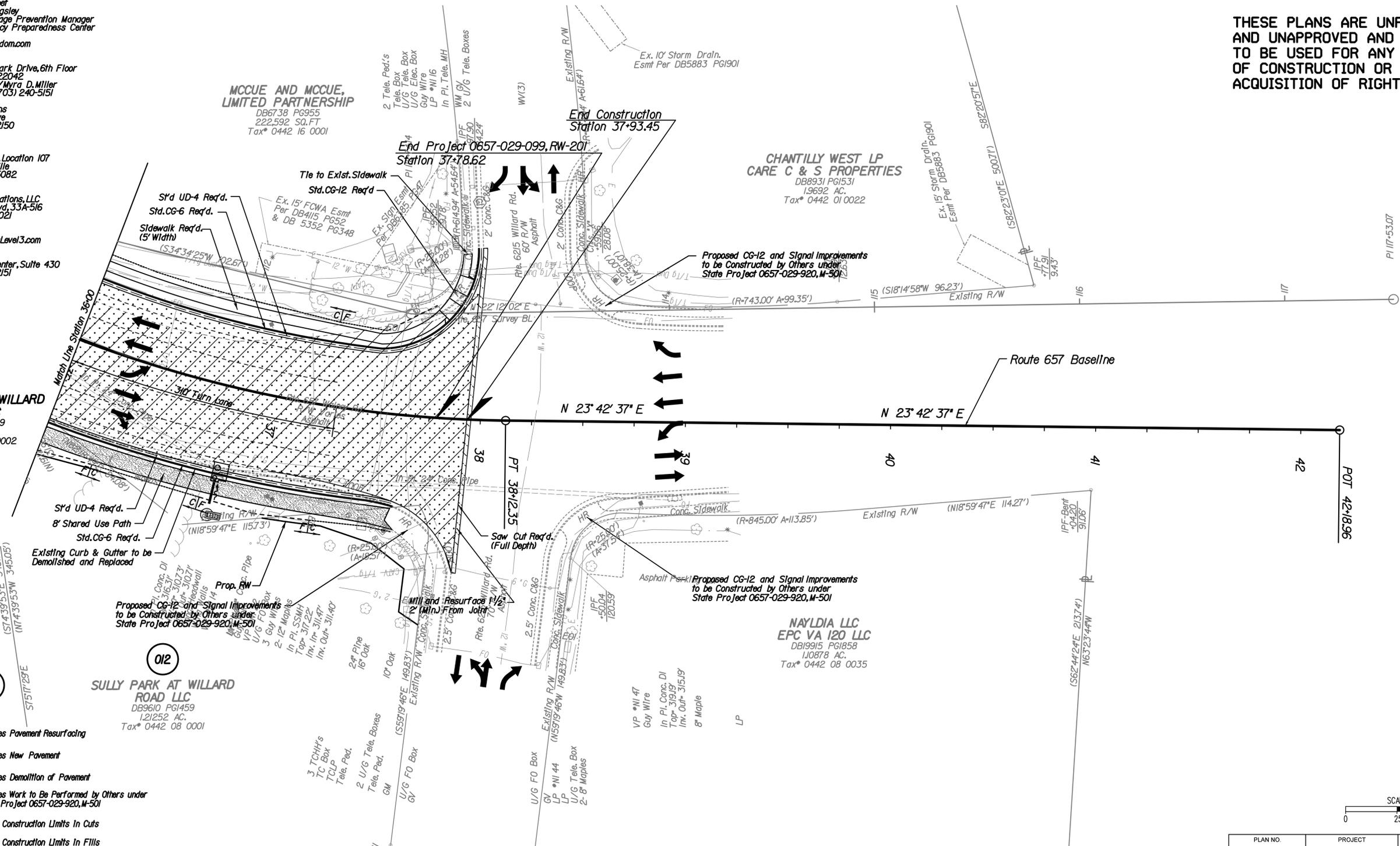
MCCUE AND MCCUE, LIMITED PARTNERSHIP
 DB8738 PG955
 222,592 SQ. FT
 Tax# 0442 16 0001

CHANTILLY WEST LP CARE C & S PROPERTIES
 DB8931 PG1531
 1,9692 AC.
 Tax# 0442 01 0022

SULLY PARK AT WILLARD ROAD LLC
 DB9610 PG1459
 1,3965 AC.
 Tax# 0442 08 0002

SULLY PARK AT WILLARD ROAD LLC
 DB9610 PG1459
 1,21252 AC.
 Tax# 0442 08 0001

NAYLDIA LLC EPC VA 120 LLC
 DB19915 PG1858
 1,10878 AC.
 Tax# 0442 08 0035



- Denotes Pavement Resurfacing
- Denotes New Pavement
- Denotes Demolition of Pavement
- Denotes Work to Be Performed by Others under State Project 0657-029-920, M-501
- Denotes Construction Limits In Cuts
- Denotes Construction Limits In Fills

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
	0657-029-099		8

LANE

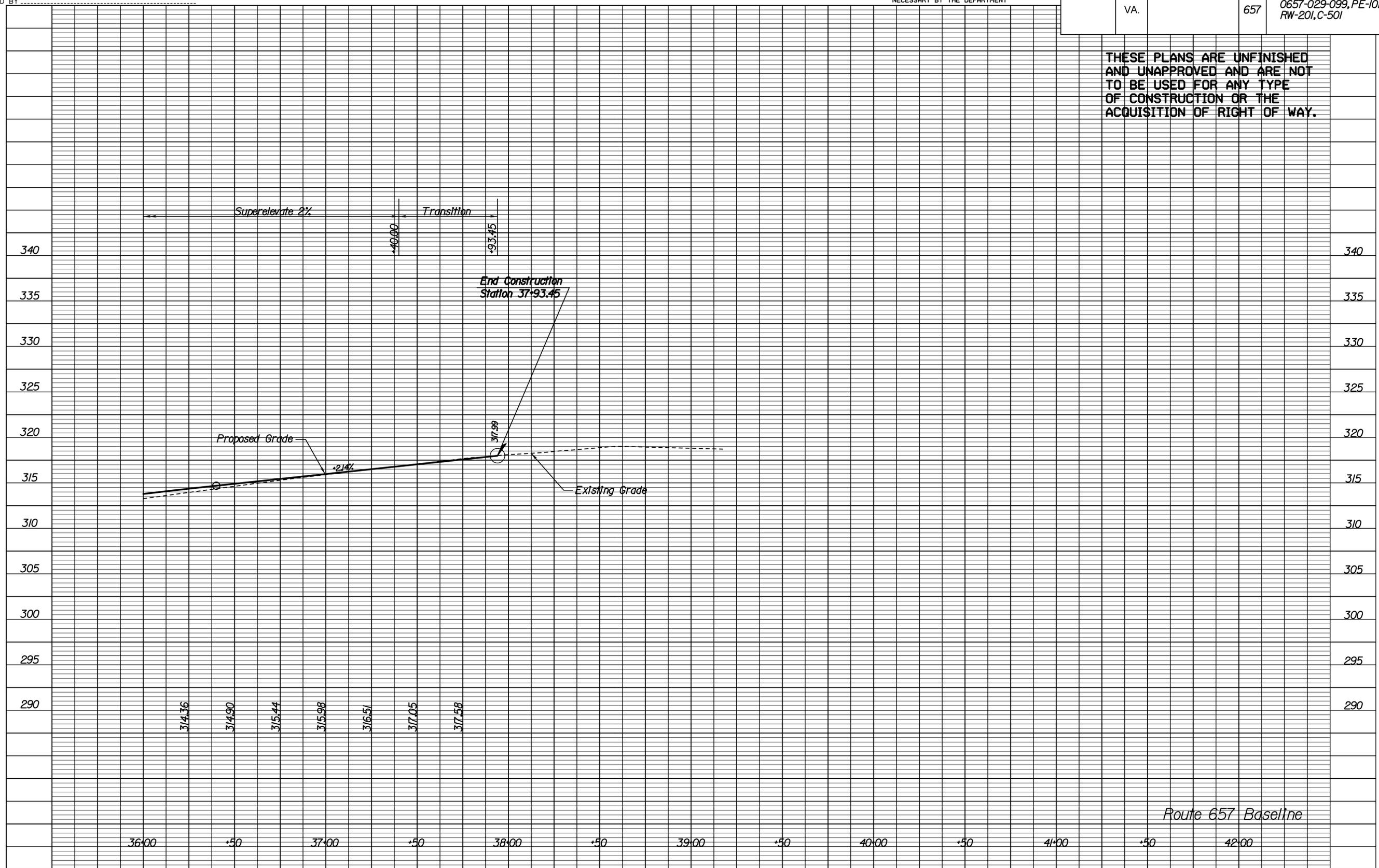
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PLAN NO.	PROJECT	FILE NO.	SHEET NO.
	0657-029-099		8A

REVISED	STATE	FEDERAL AID	ROUTE	STATE	SHEET NO
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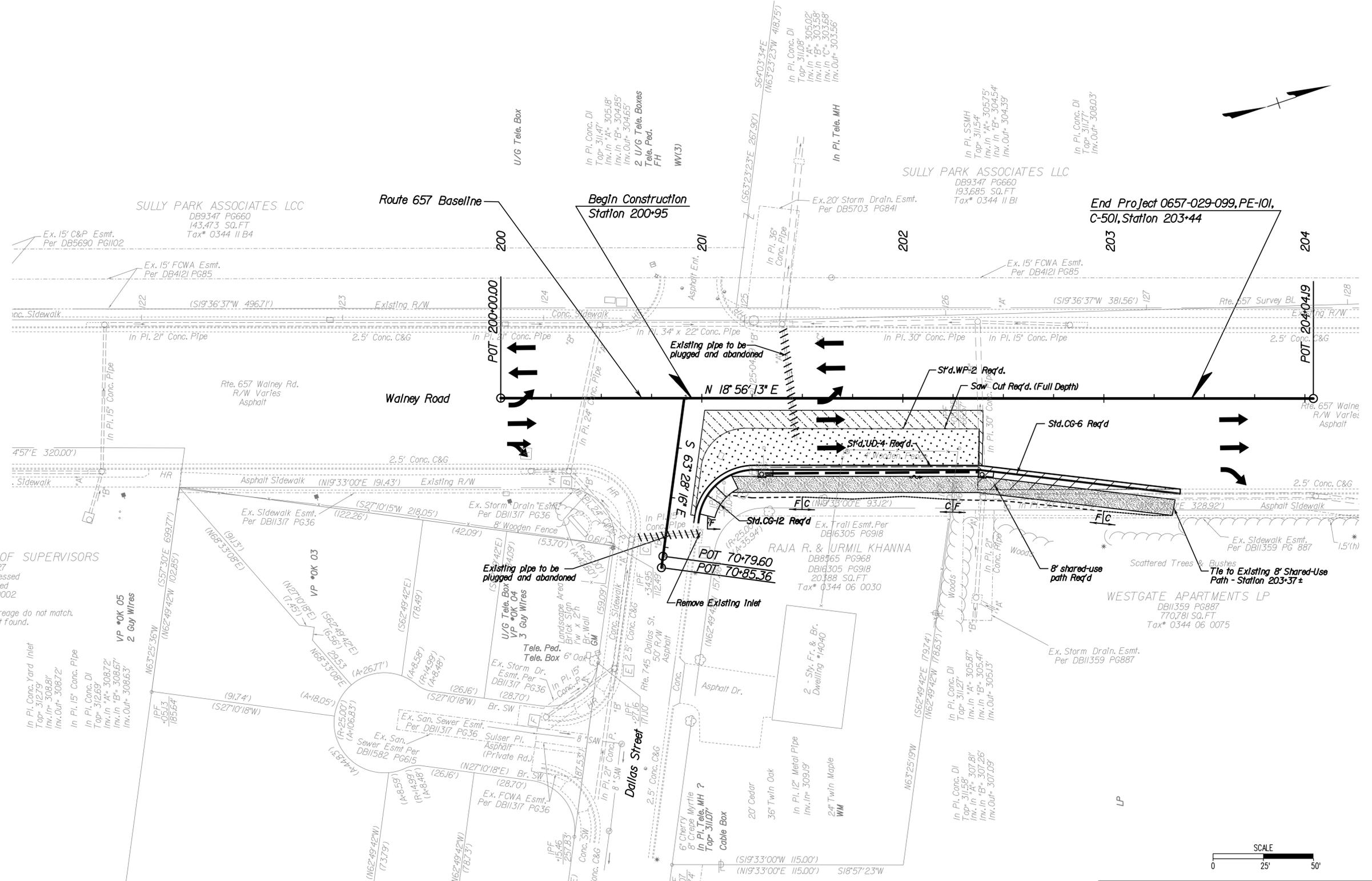
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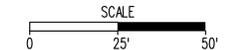


FAIRFAX COUNTY BOARD OF SUPERVISORS

DB4140 PG727
 4.9455 AC. - Assessed
 5.0961 AC. - Deed
 Tax* 0442 01 0002

NOTE: Deed and assessed acreage do not match. Dedication was not found.

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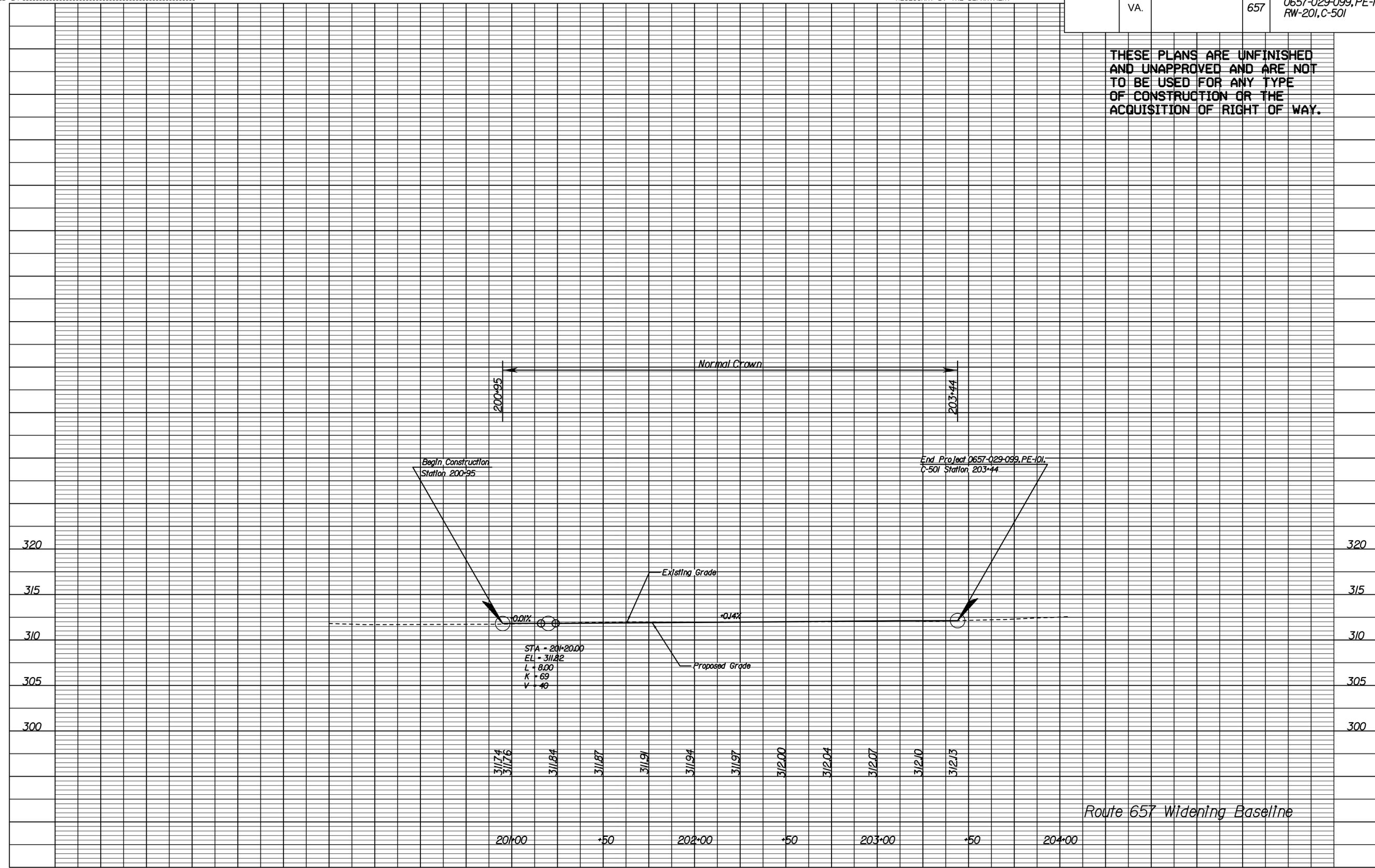
JOHNSON, MIRMIRAN & THOMPSON
 Engineering & Architecture
 13821 Park Center Road, Suite 140, Herndon, Virginia 20171

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Route 657 Widening Baseline

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
	0657-029-099		9A

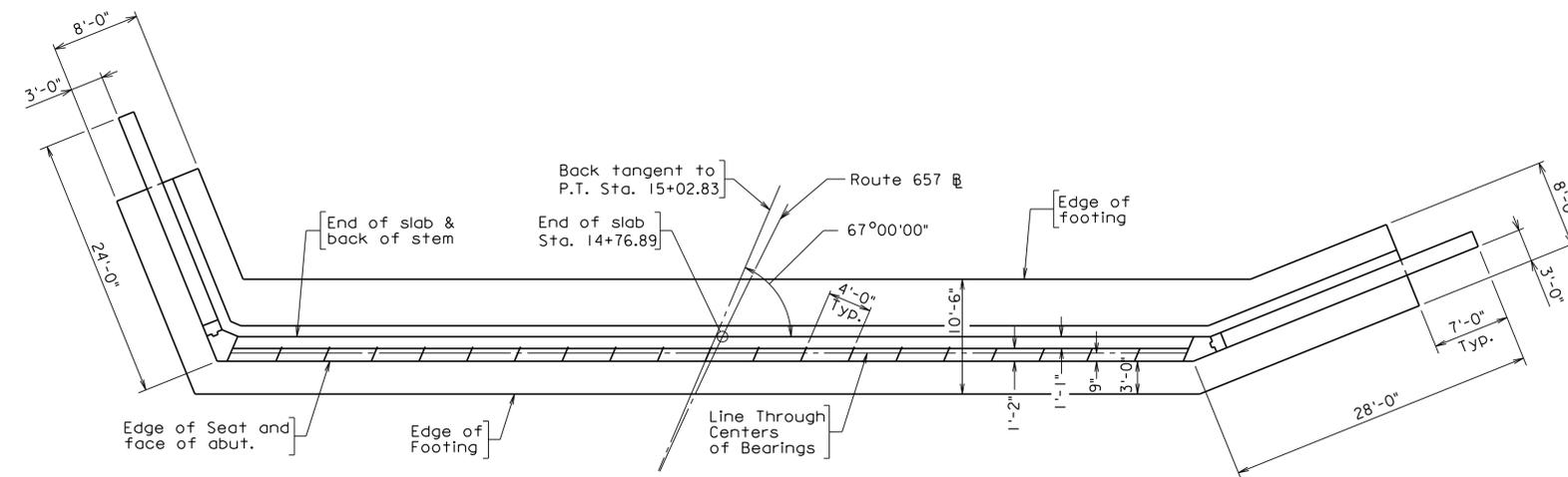
LANE

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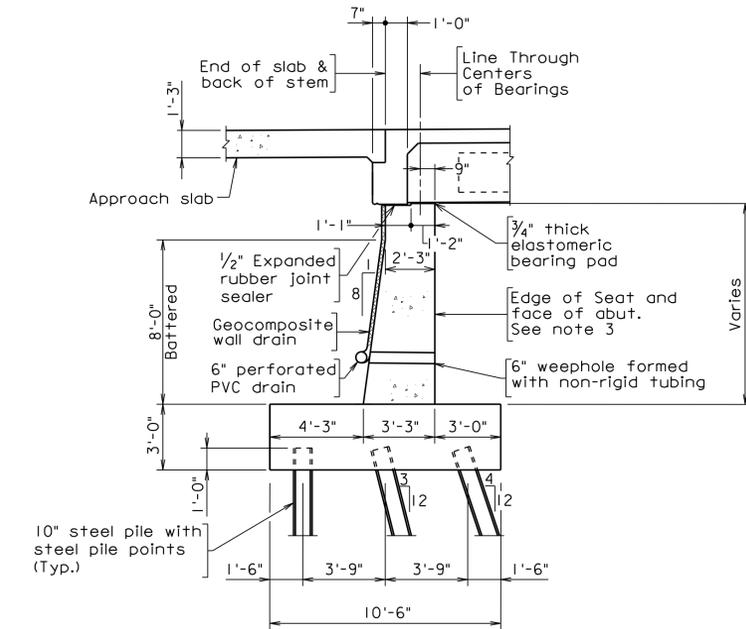
STATE	FEDERAL AID	STATE	SHEET
ROUTE	PROJECT	ROUTE	PROJECT
VA.		657	0657-029-099, B641
			10A(2)

Notes:

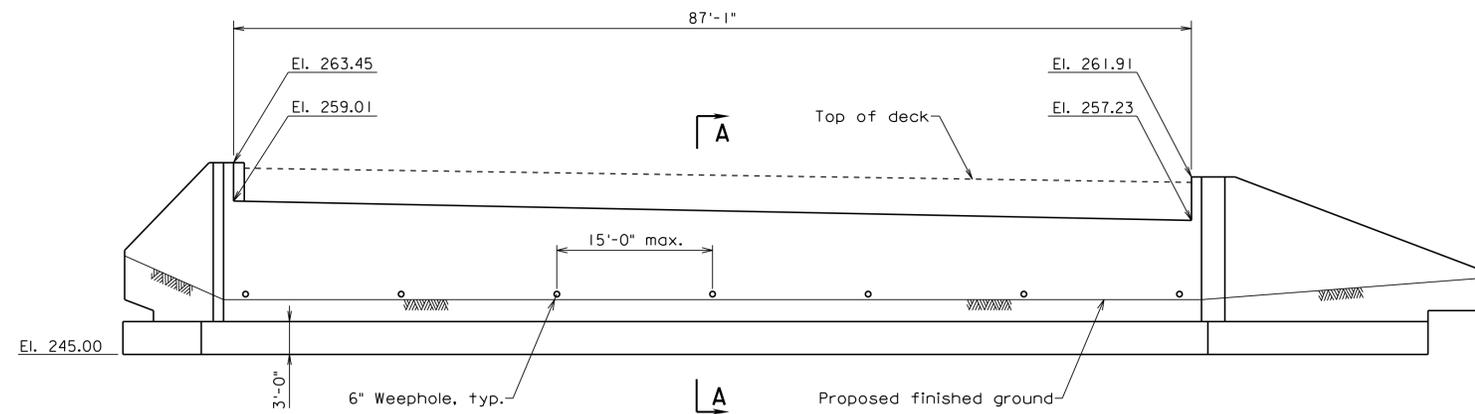
1. Piles HP10x42 not shown in Plan or Elevation.
2. Rip rap for scour countermeasure not shown.
3. Architectural treatment shall match appearance of natural stone (random dry stack stone). Color stain system designed to duplicate the appearance of natural stone.



PLAN
(Piles not shown)



SECTION A-A
Scale: 1/4" = 1'-0"



ELEVATION
(Piles not shown)

PRELIMINARY PLANS
THESE PLANS NOT TO BE USED FOR CONSTRUCTION OF BRIDGE

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION			
STRUCTURE AND BRIDGE DIVISION			
ABUTMENT A PLAN AND ELEVATION			
No.	Description	Date	Designed: ...WRA. Drawn: ...SRS. Checked:
	Revisions		Date: Nov. 2013 Plan No.: 287-32 Sheet No.: 2 of 4

Scale: 1/8" = 1'-0", Unless otherwise shown.

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LANE

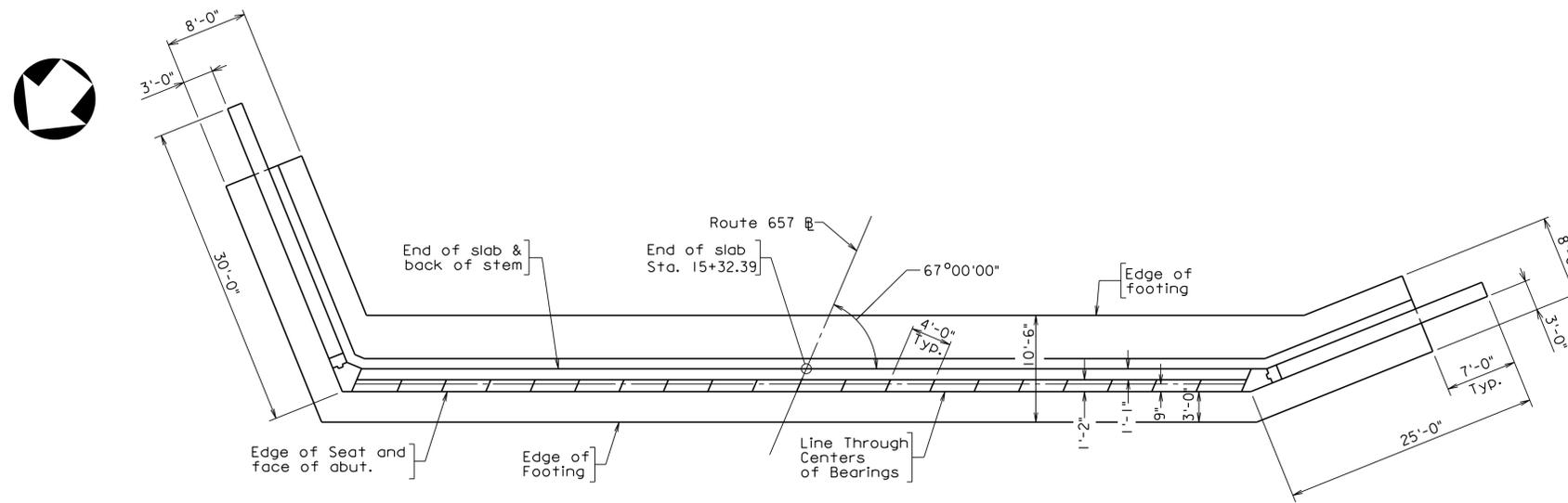
JOHNSON, MIRIRAN & THOMPSON
Engineering A Brighter Future
13921 Park Center Road, Suite 140, Herndon, Virginia, 20171

b28732002.dgn

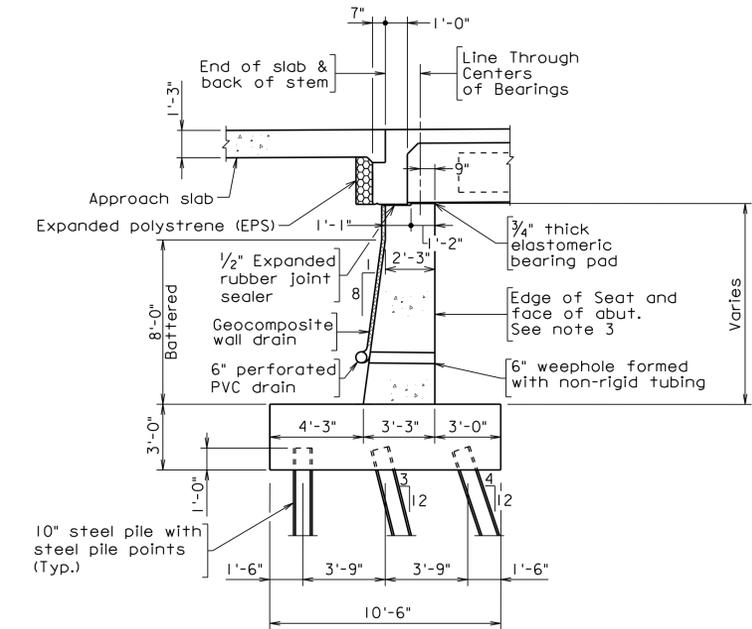
STATE	FEDERAL AID		STATE	SHEET
ROUTE	PROJECT		ROUTE	PROJECT
VA.			657	0657-029-099, B641
				10A(3)

Notes:

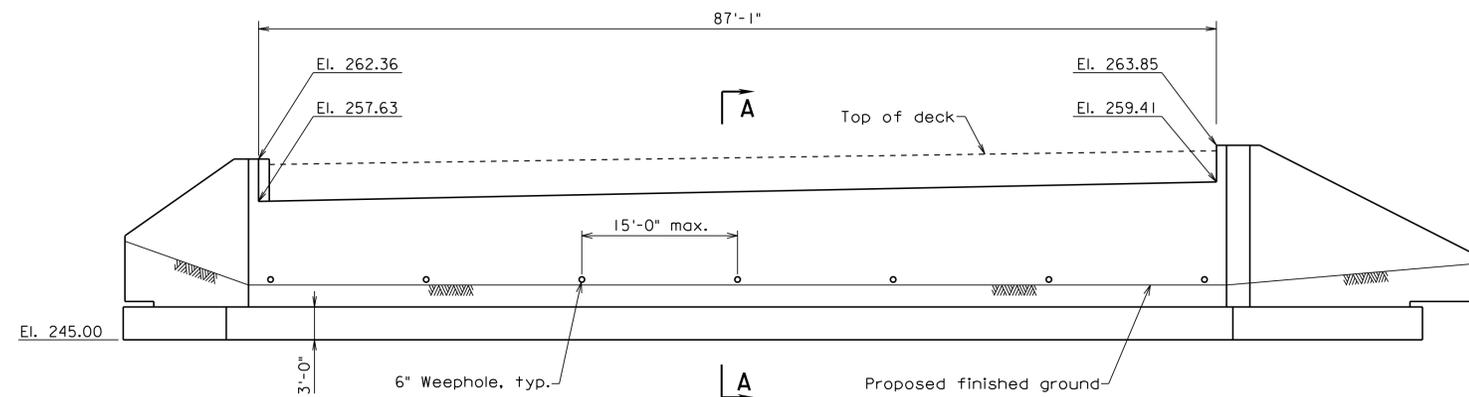
1. Piles HP10x42 not shown in Plan or Elevation.
2. Rip rap for scour countermeasure not shown.
3. Architectural treatment shall match appearance of natural stone (random dry stack stone). Color stain system designed to duplicate the appearance of natural stone.



PLAN
(Piles not shown)



SECTION A-A
Scale: 1/4" = 1'-0"



ELEVATION

PRELIMINARY PLANS
THESE PLANS NOT TO BE USED
FOR CONSTRUCTION OF BRIDGE

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION			
STRUCTURE AND BRIDGE DIVISION			
ABUTMENT B PLAN AND ELEVATION			
No.	Description	Date	Designed: WRA Date Drawn: SRS Checked: Nov. 2013
Revisions			Plan No. 287-32 Sheet No. 3 of 4

Scale: 1/8" = 1'-0", Unless otherwise shown.

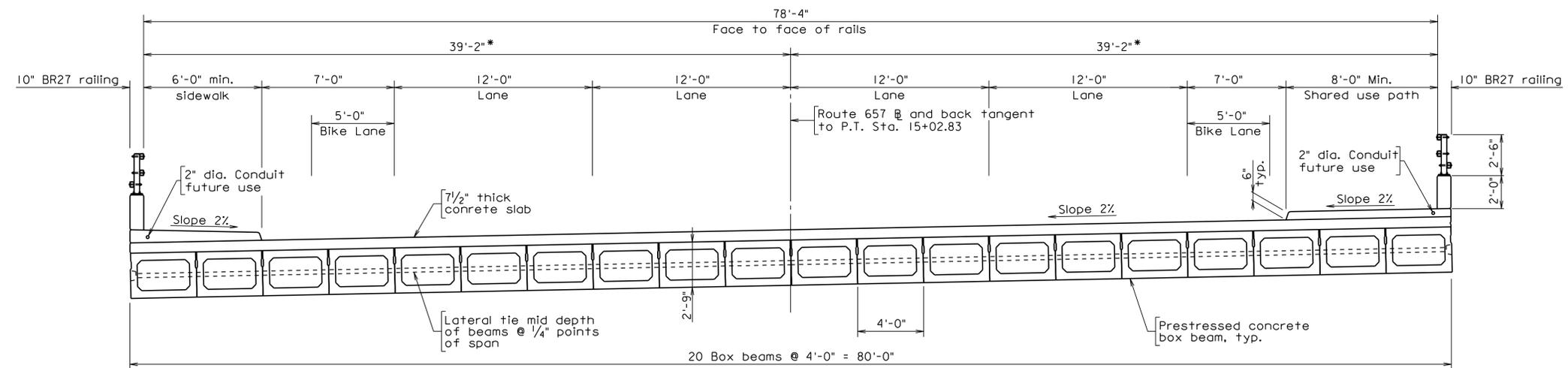
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STATE	FEDERAL AID		STATE	SHEET
ROUTE	PROJECT		ROUTE	NO.
VA.			657	10A(4)
			0657-029-099, B641	



*Outside fascia and 10" BR27 railing to be constructed parallel to and back tangent to P.T. Sta. 15+02.83. Face of curbs to be constructed to follow curve.

TRANSVERSE SECTION

PRELIMINARY PLANS
 THESE PLANS NOT TO BE USED
 FOR CONSTRUCTION OF BRIDGE

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Scale: 1/4" = 1'-0"

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COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION			
STRUCTURE AND BRIDGE DIVISION			
TRANSVERSE SECTION			
No.	Description	Date	Designed: ...WRA... Date Drawn:SRS... Checked:
	Revisions		Nov. 2013 287-32 4 of 4

LANE

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LETTER OF SUBMITTAL
VOLUME 2 - PLANS

WALNEY ROAD BRIDGE REPLACEMENT AND ROAD WIDENING
A DESIGN-BUILD PROJECT **B**

