

# Route 3 Widening

Culpeper County, Virginia  
A Design-Build Project

State Project No.: 0003-023-107,P101,R201,C501

Federal Project No.: STP-023-7 (024)

Contract ID Number: C00014657DB56



Submitted to:



Submitted by:

**LANE**

In association with:

**RK&K**

September 10, 2013



## *4.1 Letter of Submittal*

**LANE**

**RK&K**



September 10, 2013

Joseph A. Clarke, P.E.  
Virginia Department of Transportation  
1401 East Broad Street  
Annex Building, 8<sup>th</sup> Floor  
Richmond, Virginia 23219

**RE: Route 3 Widening**  
State Project No.: 0003-023-107, P101, R201, C501  
Federal Project No.: STP-023-7(028)  
Contract ID Number: C00014657DB56

Dear Mr. Clarke:

The Lane Construction Corporation (LANE) is pleased to submit our Letter of Submittal for the above referenced design-build project with the Virginia Department of Transportation (VDOT). Our response contains all information requested in RFP Addendum Number 1 dated August 20, 2013. LANE is teamed with Rummel, Klepper & Kahl, LLP (RK&K), Lead Design Consultant, providing VDOT a reputable team with a solid history of completing complex projects on time, and on schedule. Our experience enables us to deliver the kind of high quality and technically-sound projects that VDOT expects and deserves.

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

**The LANE Construction Corporation  
14500 Avion Parkway, Suite 200  
Chantilly, VA 20151**

**4.1.2 Offeror's Intent:** LANE's intention, if selected, is to enter into a contract with VDOT for this Project in accordance with the terms of RFP Addendum Number 1.

**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**

**The Lane Construction Corporation**

Mid-Atlantic Regional Office  
14500 Avion Parkway, Suite 200, Chantilly, VA 20151 USA    T 703.222.5670    F 703.222.5960  
An Equal Opportunity Employer M/F/D/V

LaneConstruct.com

- 4.1.5 Identification of Principal Officer:** Mr. Mark A. Schiller, a Regional Vice President with LANE, will serve as the Principal Officer. 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**
- 4.1.6 Interim Milestone and Final Completion Dates:** In accordance with RFP Addendum Number 1, Section 2.3.1, LANE proposes an interim milestone date of November 23, 2016 and a final completion date of May 4, 2017 for all purposes, including liquidated damages in accordance with Part 3, Section 5.5.
- 4.1.7 Executed Proposal Payment Agreement:** An executed Proposal Payment Agreement (Attachment 9.3.1) is included with this Letter of Submittal.
- 4.1.8 Certification Regarding Debarment Forms:** Certifications for Debarment for both Primary and Lower Tier Covered Transactions have been completed and executed for the Offeror and all subconsultants, subcontractors and other entities as identified as members of the LANE team and are included with this 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 including the location of all stormwater management facilities are 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 as specified by VDOT in the RFP or Addenda.
- 4.1.10 DBE Participation Goal:** The LANE team is committed to achieving the 20% DBE participation goal for the entire value of this contract.

The LANE team appreciates the opportunity to propose on this important transportation project. We look forward to partnering with the Department to deliver a safe and successful project for the citizens of the Commonwealth.

Respectfully submitted,



Richard A. McDonough  
District Manager  
The Lane Construction Corporation



## *4.2 Attachments to the Letter of Submittal*

4.2 Attachments to the  
Letter of Submittal

**LANE**

**RK&K**

***4.2.1.1. Conceptual Roadway Plans***

For the ease of the evaluator, the Conceptual Roadway Plans are provided in Volume 2. This includes 11 x 17 copies of plan views and typical sections for the proposed improvements to Route 3.

#### ***4.2.1.2. Confirmation that Information in SOQ Remains True and Accurate***

The LANE team confirms that the organization chart and Key Personnel contained in the SOQ remains true and accurate. No changes have been made to the Offeror's organizational structure, Lead Contractor, Lead Designer, Key Personnel or other individuals identified in the Offeror's SOQ.

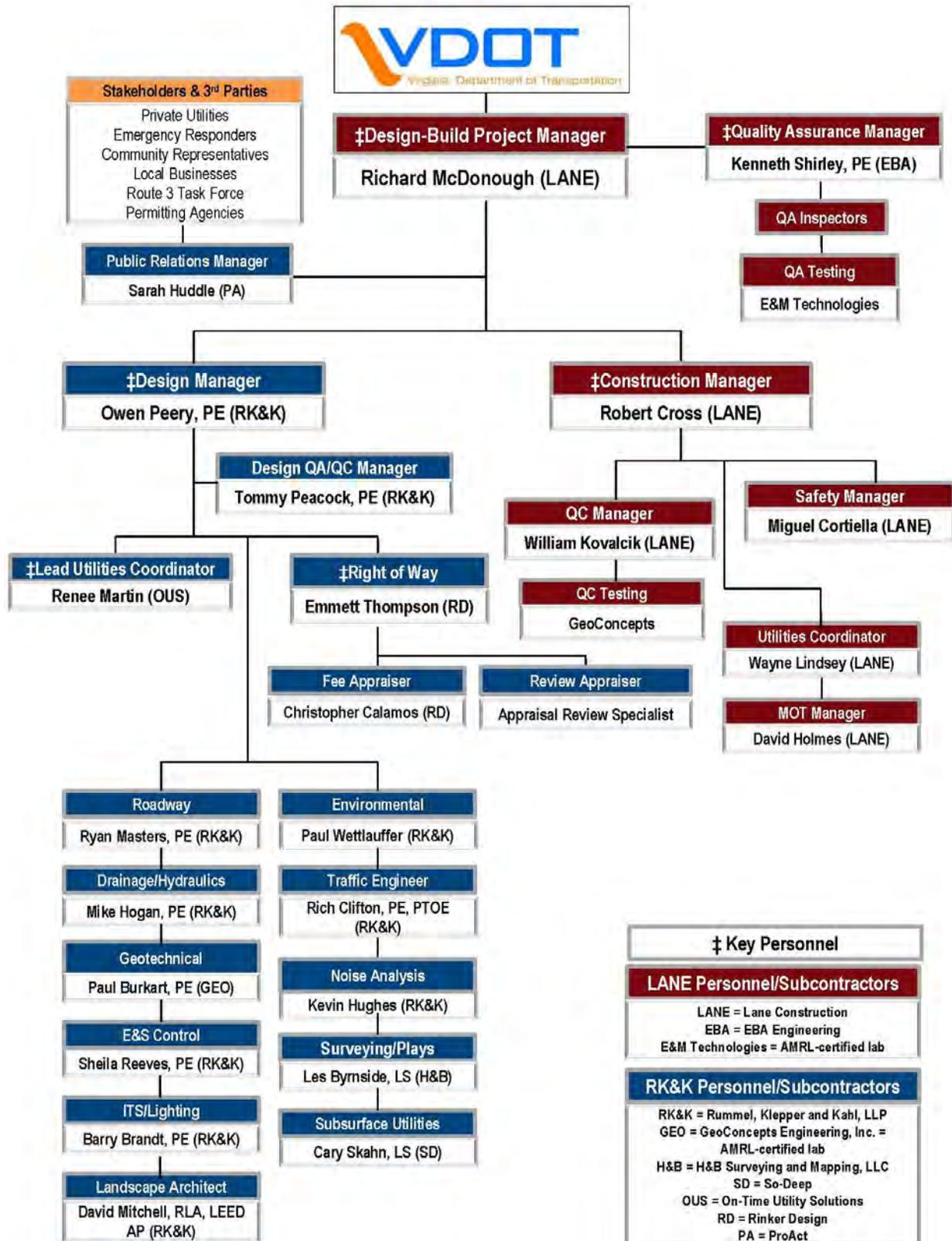
***Organizational Chart.*** The Organizational Chart and Key Personnel contained in the Offeror's SOQ remain true and accurate. This Organizational Chart on the following page depicts VDOT identified key personnel, the major functions they will perform, and the designated reporting structure as submitted in the Offeror's SOQ. The LANE team is structured to provide VDOT with a single point of contact that will be responsible for all design and construction activities. As demonstrated in the Organization Chart, the identified Key Personnel will report directly to the Design-Build Project Manager, leading their respective groups. The chart also shows the clear separation and independence that exists between the respective QC and QA programs for construction activities including the separation between QA and Construction QC Inspection and field/laboratory testing as defined in the VDOT's *Minimum Requirements for Quality Assurance and Quality Control on Design Build and P3 Projects*, dated January 2012.

Functional relationships among the participants stated in the SOQ remain unchanged.

#### ***Functional Relationships with VDOT and Third Parties***

The LANE team understands the critical importance of close, frequent communication, coordination, and collaboration with both VDOT and third parties (notably utilities, homeowners, business owners, and the Route 3 Task Force) involved in this Project. We are familiar with VDOT district policies and local personnel who are likely to be involved in the project process on the owner's behalf. To foster open lines of communication, the LANE team will develop a Project Work-Plan and schedule that includes each third party's availability and schedule requirements. Required federal, Commonwealth of Virginia, Culpeper County, and any other regulatory agency permits will be appropriately acquired; liaisons will be identified to establish availability, scheduling, and jurisdictional coordination. LANE'S Public Involvement Plan will also ensure that emergency services, commuters, homeowners and business owners are kept apprised of the Project progress, schedule, and potential impacts.

The LANE team is prepared to address all the items necessary for environmental permitting. We will fulfill all commitments included in the NEPA Environmental Assessment for this Project (dated May 8, 2012). In order to effectively perform the relocations, adjustments, and coordination of utilities, the LANE team will align with each of the providers for timely planning of these activities. The LANE team is already familiar with many of these providers' policies and processes, which should augment the expeditious accomplishment of these tasks.



**‡ Key Personnel**

**LANE Personnel/Subcontractors**

LANE = Lane Construction  
 EBA = EBA Engineering  
 E&M Technologies = AMRL-certified lab

**RK&K Personnel/Subcontractors**

RK&K = Rummel, Klepper and Kahl, LLP  
 GEO = GeoConcepts Engineering, Inc. = AMRL-certified lab  
 H&B = H&B Surveying and Mapping, LLC  
 SD = So-Deep  
 OUS = On-Time Utility Solutions  
 RD = Rinker Design  
 PA = ProAct

**4.2.1.3.1 Proposal Schedule**

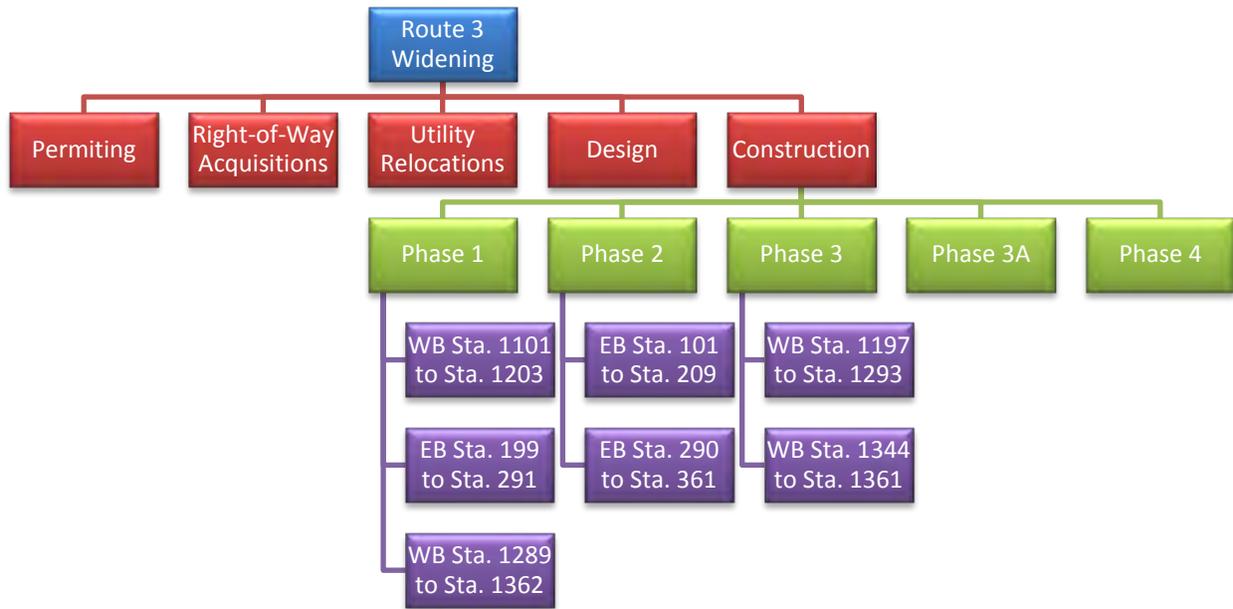
The LANE team has developed a Proposal Schedule, provided at the end of this section, which represents the plan to execute the work in accordance with the Contract Documents. It includes a detailed work plan illustrating the sequence of the comprehensive scope of work on the Project. The detailed work plan furthermore includes a Work Breakdown Structure (WBS), activity durations, Critical Path (based on the longest path calculations), milestones, Scope Validation Period, permitting and Right-of-Way acquisition activities, utility relocations, design and construction, and reviews by VDOT, FHWA and other regulatory agencies.

**4.2.1.3.1 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.

**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, Final Design and Construction Support. Construction has been subdivided to include MOT Phases and 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 for the Charlottesville, VA area. Using daily data for the past nine (9) 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	6	2	0	0	0	0	0	0	0	1	6	25

*Table 1: Typical Weather for Charlottesville, VA based on data from NOAA.*

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Probability	0.7	0.6	0.3	0.1	0.2	0.1	0.0	0.1	0.2	0.2	0.2	0.6	
Lost Days	20	16	9	2	5	3	2	4	6	6	8	18	99

*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	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.5	
Lost Days	20	16	7	1	1	1	0	1	2	2	6	17	74

*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	0.0	0.0	0.0	0.1	0.2	0.6	0.9	
Lost Days	28	26	18	6	2	1	0	1	2	7	19	28	138

*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 team will develop revisions to plans, drainage, and storm water management as required, in accordance with VDOT's design approval process. Additionally, since Right-of-Way acquisition is on the critical path, development of the Right-of-Way plans will also begin at this time. These plans will cover the entire Project with the goal of receiving Right-of-Way approval for the entire project length.

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 acquisitions will be performed in the same manner as construction is planned. Right-of-Way acquisitions will first focus on the area of the project from WB Station 1101 to WB Station 1203. This will facilitate the relocation of utilities in this segment of the project and will allow Phase 1 construction to begin in this area.

Appraisals and acquisitions will transition into the segment of the project from WB Station 1203 to WB Station 1289. This will open this section of the project up to allow utility relocations and Phase 1 construction to begin on the eastbound lanes.

As appraisals are being completed in the above area, work will transition to the easternmost section of the project with appraisals and acquisitions taking place in the segment from WB Station 1289 to WB Station 1373.

### **Utility Relocations**

The relocations of the existing utilities are planned to start at the western end of the project and work easterly towards the east end of the project. Prior to any relocation, the Right-of-Way and easements will need to be acquired on both sides of the roadway, 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 well underway prior to and as construction begins.

### ***Phase 1***

Phase 1 of the Project begins with installation of Maintenance of Traffic (MOT) devices and signage, along with the installation of erosion and sediment control measures. Once these two operations are complete, the LANE team will construct the temporary pavement for the traffic shift at the west end of the project. Subsequently, the construction crew will move to the east end of the project and work back westward with any required temporary pavement sections.

The LANE team will construct the roadway working from both the west and east ends of the project working towards the middle, thus breaking the project down into three major areas of work as shown in the WBS. Construction will follow this general order and include these general operations:

- Clear and Grub
- Excavation / Embankment
- Installation of Drainage
- Grading
- Placement of the 21B Stone for Subbase (and Median Curb where required)
- Placement of the Base and Intermediate Asphalt Course
- Temporary Pavement Markings
- Installation of Guardrail, Signage, and Seeding

Once the temporary pavement markings and guardrail are in place, the LANE team will prepare to shift the traffic into Phase 2 configurations.

### ***Phase 2***

Phase 2 of the project consists mainly of constructing the eastbound travel lanes at both the west and east end of the project. The LANE team plans to utilize two headings (i.e working from eastern & western limits toward the center) again as with Phase 1 construction and the sequence of events will follow that of those described previously.

### ***Phase 3***

The middle section of the westbound travel lanes will be constructed in Phase 3. Additionally, in Phase 3, the eastern tie-in of the westbound travel lanes will be completed in this phase of construction. While Phase 3A is called out as its own WBS, the LANE team plans to perform some of this work concurrently with Phase 3 work, as the work areas open up. The focus of Phase 3A is to remove the temporary pavement crossovers utilized in previous phases and to complete the construction of the roadway and median in those areas. Once the work is completed in both Phases 3 and 3A, the LANE team will shift the traffic into its final configuration, achieving the Interim Milestone.

### ***Phase 4***

Once traffic has been shifted into its final configuration, the LANE team will maintain traffic on the entire length of the project as the final surface course of asphalt is placed, permanent markings applied, and remaining markers, signage, landscaping, and fencing installed.

**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
- Severe winter weather
- Unsuitable Soils

**Key Milestone Dates**

Key Milestone	Milestone Date
CTB Approval / Notice of Award	October 16, 2013
Design-Build Contract Execution	November 13, 2013
Notice to Proceed	November 18, 2013
Interim Milestone	November 23, 2016
Final Completion	May 4, 2017

**Critical Path**

The Critical Path of the Project is shown on the included schedule. It begins with various Right-of-Way design and acquisition tasks and is followed by utility relocation and the subsequent phased construction activities. It concludes with the various close-out activities leading to project completion. A descriptive outline of the critical path activities is as follows:

- Right-of-Way Plans, Negotiations and Relocations
- Utility Relocations
- Phase 1 Construction: MOT; Erosion Controls; Construction of the temporary pavements at the west and east limits of the project; Clearing & Grubbing; Stormwater Basins; Excavation & Embankment; Fine Grading; Subbase; Pavement.
- Phase 2 Construction: MOT; Pavement Milling; Excavation & Embankment; Fine Grading; Subbase; Pavement; Guard Rail.
- Phase 3 Construction: MOT; Pavement Milling; Excavation & Embankment; Fine Grading; Subbase; Pavement; Guard Rail. Once the roadway is completed in that section, the critical path follows with Phase 3A.
  - Phase 3A Construction includes the removal of temporary pavements and crossovers, then the completion of remaining roadway sections and median, and finally, the shifting of traffic into its final configuration.
  - Interim Milestone will be achieved on **November 23, 2016**.
- Phase 4 Construction: Median Completion; Surface Paving; Pavement Markings; Final Landscaping and Fencing.
- Final Completion on **May 4, 2017**.

## 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.













# *Appendices*

**LANE**

**RK&K**

**ATTACHMENT 4.0.1.1**  
**ROUTE 3 WIDENING**  
**PROJECT NO. 003-023-107, P101, R201, C501**  
**LETTER OF SUBMITTAL CHECKLIST AND CONTENTS**

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

<b>Letter of Submittal Component</b>	<b>Form (if any)</b>	<b>RFP Part 1 Cross Reference</b>	<b>Page Reference</b>
<b>Letter of Submittal (LOS) Checklist and Contents</b>	Attachment 4.0.1.1	Section 4.0.1.1	A-1 -A-2
<b>Acknowledgement of RFP, Revisions, and/or Addenda</b>	Attachment 3.6 (Form C-78-RFP)	Sections 3.6; 4.0.1.1	A-3
<b>Letter of Submittal</b>	NA	Sections 4.1	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	1-2
Principal Officer information	NA	Section 4.1.5	2
Interim Milestone, Substantial Completion and Final Completion Date(s)	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	A-4 - A-7
Certification Regarding Debarment Forms	Attachment 11.8.6 (a) Attachment 11.8.6 (b)	Section 4.1.8	A-8 - A-17

**ATTACHMENT 4.0.1.1**  
**ROUTE 3 WIDENING**  
**PROJECT NO. 003-023-107, P101, R201, C501**  
**LETTER OF SUBMITTAL CHECKLIST AND CONTENTS**

<b>Letter of Submittal Component</b>	<b>Form (if any)</b>	<b>RFP Part 1 Cross Reference</b>	<b>Page Reference</b>
Written statement that Offeror's proposed concept included in the Attachments to the LOS is fully compliant with the Design Criteria Table and all other requirements of the RFP	NA	Section 4.1.9	2
Certification that the proposed limits of construction are located within the right-of-way limits shown on RFP plans	NA	Section 4.1.9	2
Offeror committed to achieving a 20% DBE participation goal.	NA	Section 4.1.10	2
<b>Attachments to the Letter of Submittal</b>	NA	Section 4.2	
Conceptual Roadway Plans – Plan View	NA	Section 4.2.1.1	Vol. 2, 3-22D
Conceptual Roadway Plans – Typical Sections	NA	Section 4.2.1.1	Vol. 2, 2A-2H
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 4.2.1.2	4
Organizational chart with any updates since the SOQ submittal clearly identified	NA	Section 4.2.1.2	5
Revised narrative when organizational chart includes updates since the SOQ submittal	NA	Section 4.2.1.2	5
Proposal Schedule	NA	Section 4.2.1.3	13-17
Proposal Schedule Narrative	NA	Section 4.2.1.3	6-12
Proposal Schedule in electronic format (CD- or DVD-ROM)	NA	Section 4.2.1.3	Enclosed CD



## **Attachment 3.6**

# ***Acknowledgement of RFP, Revision and/or Addenda***

**LANE**

**RK&K**

**ATTACHMENT 3.6**

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

RFP NO. C00014657DB56  
PROJECT NO.: 0003-023-107, P101, R201, C501

**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 April 18, 2013 – RFP  
(Date)
2. Cover letter of August 20, 2013 – RFP Addendum No. 1  
(Date)
3. Cover letter of \_\_\_\_\_  
(Date)

  
\_\_\_\_\_  
SIGNATURE  
Mark A. Schiller  
The Lane Construction Corporation  
\_\_\_\_\_  
PRINTED NAME

September 10, 2013  
DATE  
Regional Vice President  
Mid-Atlantic Region  
\_\_\_\_\_  
TITLE



## Attachment 9.3.1

# *Proposal Payment Agreement*

**LANE**

**RK&K**

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

**THIS PROPOSAL PAYMENT AGREEMENT** (this “Agreement”) is made and entered into as of this 10th day of September, 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 **December 4, 2012** Request for Qualifications (“RFQ”) and was invited to submit proposals in response to a Request for Proposals (“RFP”) for the **Route 3 Widening, Project No. 0003-023-107, P101, R201, C501** (“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.

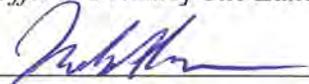
VIRGINIA DEPARTMENT OF TRANSPORTATION

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

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

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

*[Insert Offeror's Name]* The Lane Construction Corporation

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

Name: Mark A. Schiller  
Regional Vice President

Title: Mid-Atlantic Region



## **Attachment 11.8.6(a)**

# ***Certification Regarding Debarment***

**LANE**

**RK&K**

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

**Project No.: 0003-023-107, P101, R201, C501**

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

May 28, 2013  
\_\_\_\_\_  
Date

Mark A. Schiller  
Regional Vice President  
Mid-Atlantic Region  
\_\_\_\_\_  
Title

The Lane Construction Corporation  
\_\_\_\_\_  
Name of Firm

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

**Project No.: 0003-023-107, P101, R201, C501**

- 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.

	05/21/2013	Partner
Signature	Date	Title

Rummel, Klepper & Kahl, LLP  
Name of Firm

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

**Project No.: 0003-023-107, P101, R201, C501**

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

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

<u>Signature</u>	<u>May 1, 2013</u>	<u>First Executive VP</u>
	<u>Date</u>	<u>Title</u>

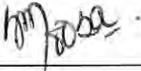
EBA Engineering, Inc.  
Name of Firm

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

**Project No.: 0003-023-107, P101, R201, C501**

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

	<u>May 1, 2013</u>	<u>Principal Engineer</u>
Signature	Date	Title

Engineering & Materials Technologies, Inc. (E.M. Tech)  
Name of Firm

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

**Project No.: 0003-023-107, P101, R201, C501**

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



\_\_\_\_\_  
Signature                      Date

\_\_\_\_\_  
President  
Title

\_\_\_\_\_  
GeoConcepts Engineering, Inc.  
Name of Firm

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

**Project No.: 0003-023-107, P101, R201, C501**

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

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



Signature

May 13, 2013

Date

Director of Business Development/Principal

Title

**RINKER DESIGN ASSOCIATES, P.C.**

Name of Firm

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

**Project No.: 0003-023-107, P101, R201, C501**

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<u>Leslie R. Bynside</u>	<u>5/10/13</u>	<u>Vice President</u>
Signature	Date	Title

H&B Surveying and Mapping, LLC  
Name of Firm

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

**Project No.: 0003-023-107, P101, R201, C501**

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<u>Munk A. Warden</u>	<u>5/13/2013</u>	<u>Vice President</u>
Signature	Date	Title

So-Deep, Inc.  
Name of Firm

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

**Project No.: 0003-023-107, P101, R201, C501**

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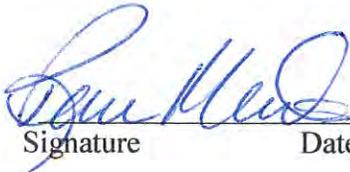
<u>Sarah Hudelle</u>	<u>5/15/13</u>	<u>CEO</u>
Signature	Date	Title
<u>ProAct Public Relations LLC</u>		
Name of Firm		

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

**Project No.: 0003-023-107, P101, R201, C501**

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

<u></u>	<u>5-16-13</u>	<u>President</u>
Signature	Date	Title

On-Time Utility Solutions, LLC  
Name of Firm

# Route 3 Widening

Culpeper County, Virginia  
A Design-Build Project

State Project No.: 0003-023-107,P101,R201,C501 | Federal Project No.: STP-023-7 (024) | Contract ID Number: C00014657DB56



Submitted to:



Submitted by:

**LANE**

In association with:

**RK&K**

September 10, 2013



PROJECT MANAGER: Harold Jones (1540) 829-7320  
SURVEYED BY: Michael Mouco, L.S. (1540) 829-7551  
DESIGN SUPERVISED BY: \_\_\_\_\_  
DESIGNED BY: \_\_\_\_\_

# TYPICAL SECTIONS ROUTE 3

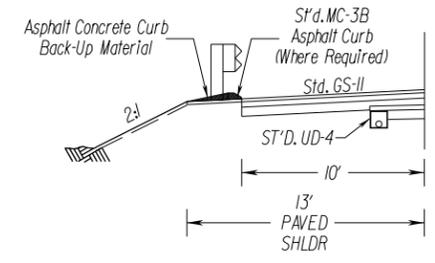
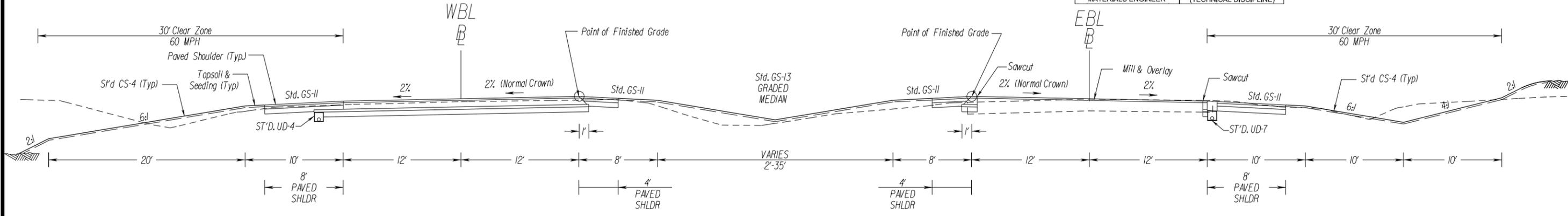
CONCEPTUAL  
ROADWAY PLANS  
SEPT. 10, 2013

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107, PE-101, RW-201, C-501	2A

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

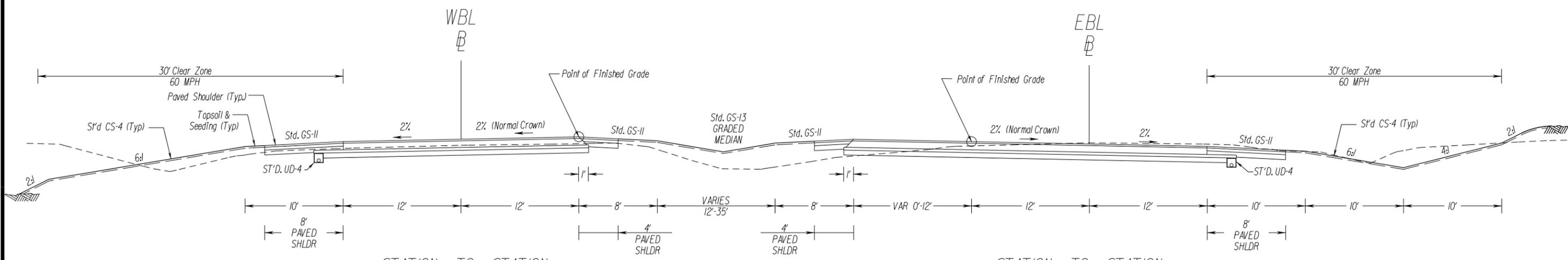
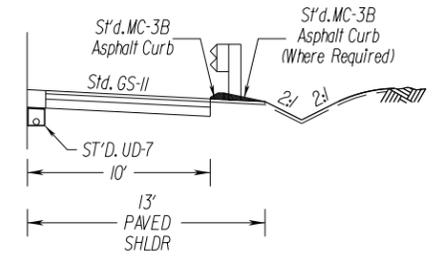
VDOT Materials Division  
Virginia  
MATERIALS ENGINEER

VDOT (Division) or Co. Name  
(Location), Virginia  
(TECHNICAL DISCIPLINE)



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1101+00.00		1125+52.71
1282+65.22		1285+72.88
1295+47.07		1316+57.85
1325+39.13		1338+44.76
1347+41.17		1355+32.28
1364+26.45		1368+80.42

STATION	TO	STATION
101+00.00		125+52.69
282+37.29		285+93.96
295+22.60		316+33.37
325+14.21		338+19.60
347+16.18		355+07.11
364+01.51		368+63.39



STATION	TO	STATION
1255+14.46		1256+65.14
1273+89.90		1277+90.14
1285+72.88		1290+18.68
1316+57.85		1320+58.99
1338+44.76		1342+45.00
1355+32.28		1359+30.90

STATION	TO	STATION
254+86.43		256+37.11
273+61.87		277+62.11
285+93.96		289+94.20
316+33.37		320+34.43
338+19.60		342+19.84
355+07.11		359+05.77



PROJECT MANAGER: Harold Jones (1540) 829-7320  
SURVEYED BY: Michael Mouco, L.S. (1540) 829-7551  
DESIGN SUPERVISED BY: \_\_\_\_\_  
DESIGNED BY: \_\_\_\_\_

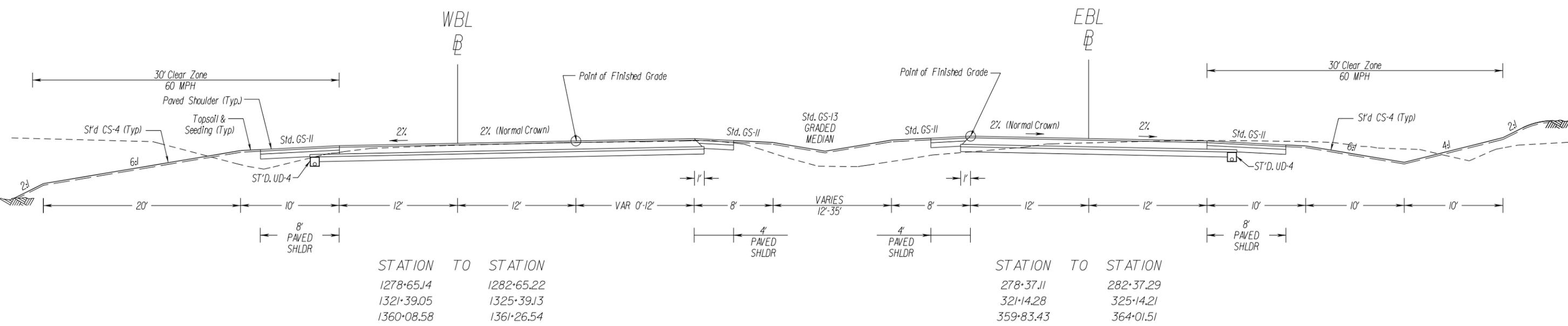
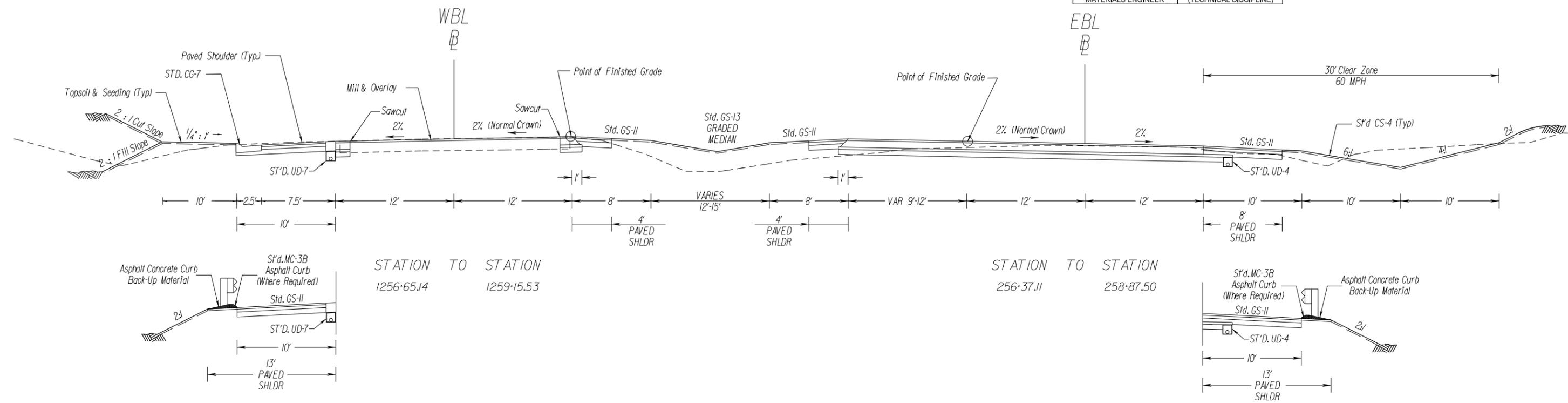
# TYPICAL SECTIONS ROUTE 3

CONCEPTUAL  
ROADWAY PLANS  
SEPT. 10, 2013

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107, PE-101, RW-201, C-501	2B

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

VDOT Materials Division Virginia MATERIALS ENGINEER	VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)
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9:54:48 AM  
 PROJECT MANAGER Harold Jones (LS4D) 829:7320  
 SURVEYED BY Michael Mauer (LS4D) 829:7551  
 DESIGN SUPERVISED BY \_\_\_\_\_  
 DESIGNED BY \_\_\_\_\_

Plotted By: localuser

# TYPICAL SECTIONS ROUTE 3

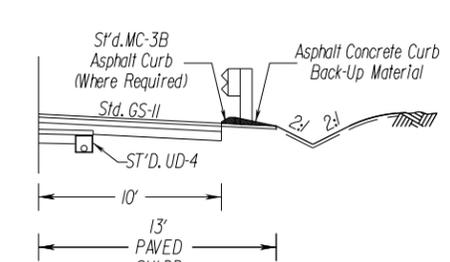
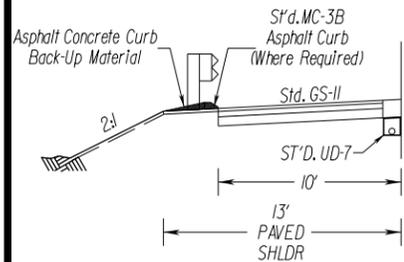
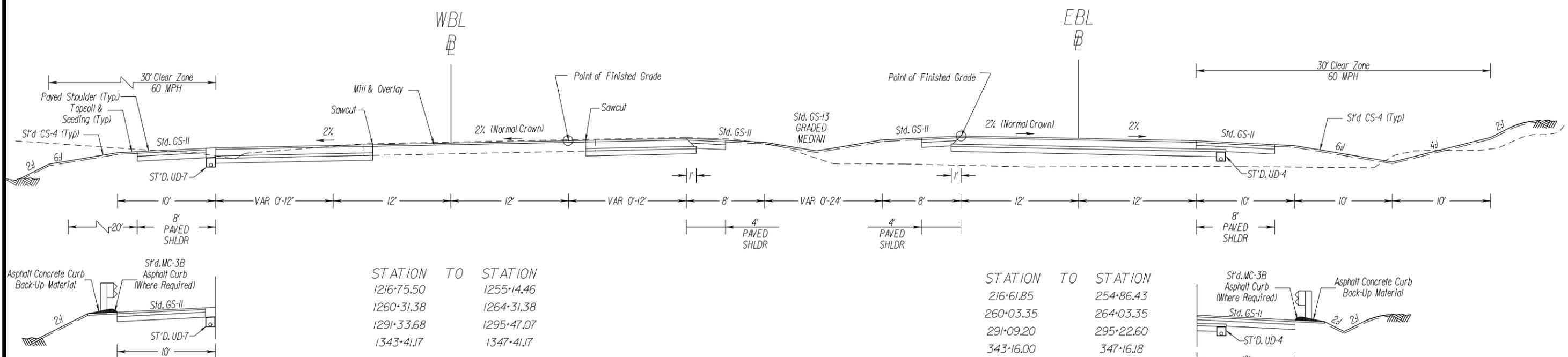
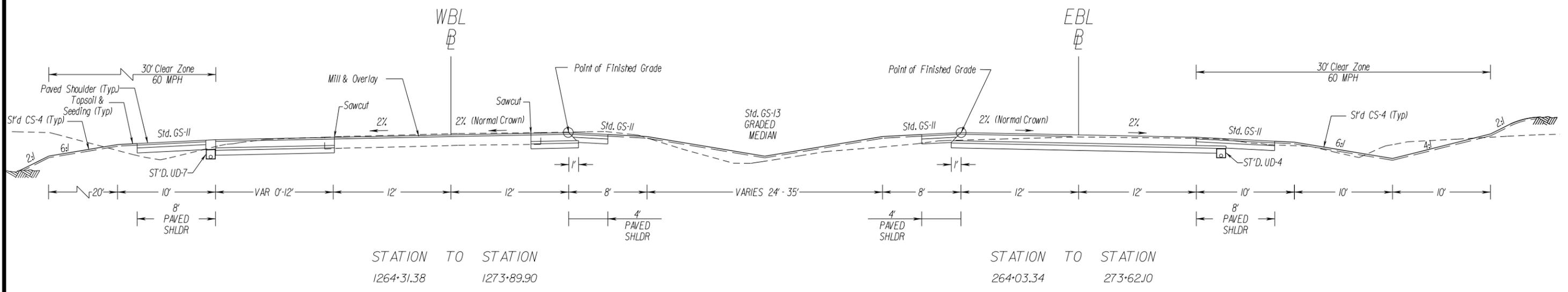
CONCEPTUAL  
 ROADWAY PLANS  
 SEPT. 10, 2013

REVISED	STATE		SHEET NO.
	ROUTE	PROJECT	
	VA.	3	0003-023-107, PE-101, RW-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

VDOT Materials Division  
 Virginia  
 MATERIALS ENGINEER

VDOT (Division) or Co. Name  
 (Location), Virginia  
 (TECHNICAL DISCIPLINE)

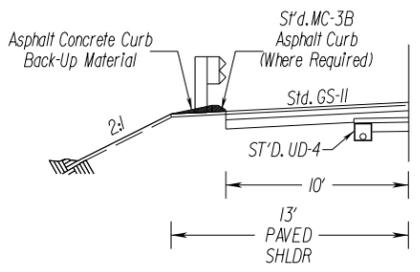
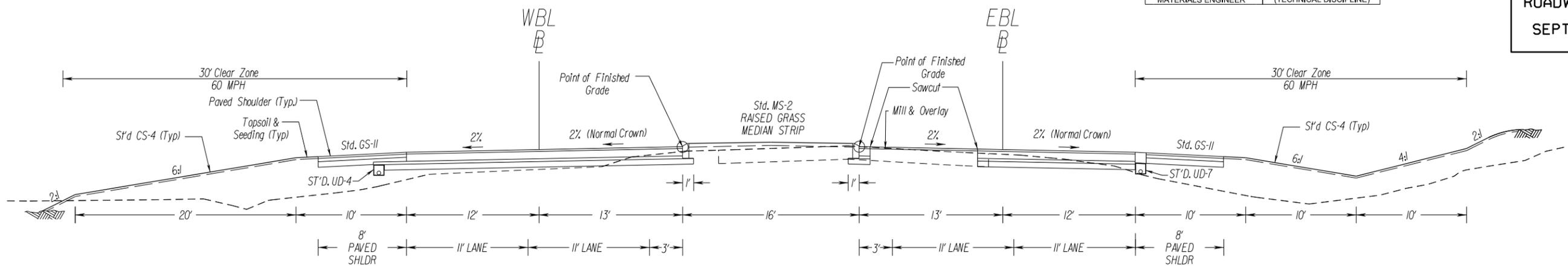


PROJECT MANAGER: Harold Jones (LS40) 829-7320  
SURVEYED BY: Michael Mouco, LS (LS40) 829-7551  
DESIGN SUPERVISED BY: \_\_\_\_\_  
DESIGNED BY: \_\_\_\_\_

# TYPICAL SECTIONS ROUTE 3

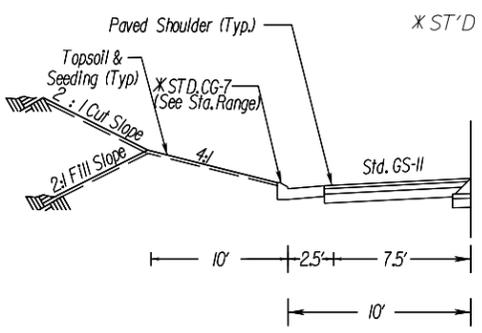
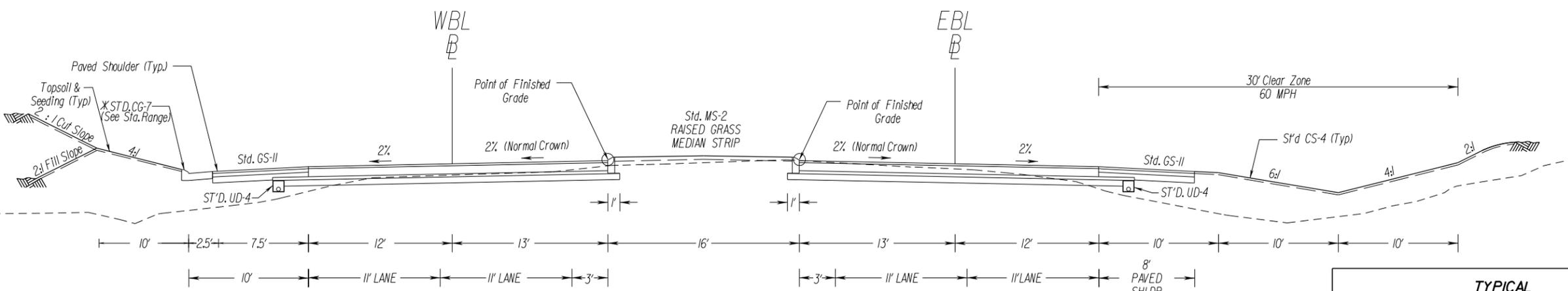
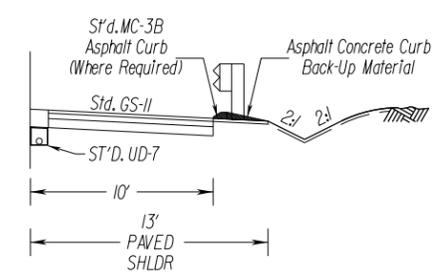
REVISED	STATE	STATE PROJECT		SHEET NO.
	VA.	3	0003-023-107, PE-101, RW-201, C-501	
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
VDOT Materials Division Virginia MATERIALS ENGINEER		VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)		

**CONCEPTUAL  
ROADWAY PLANS  
SEPT. 10, 2013**



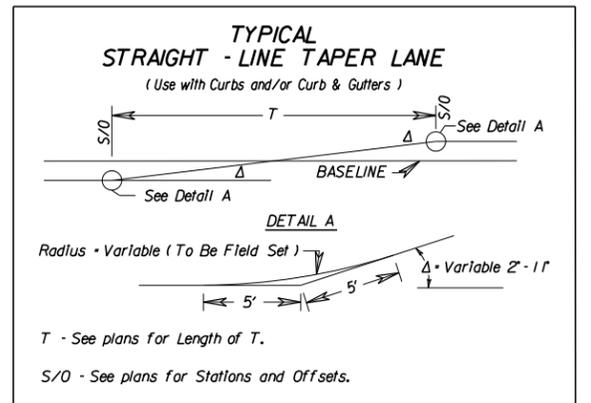
STATION TO	STATION	STATION TO	STATION
1125+52.71	1128+16.54	1137+06.77	1141+80.46
1150+55.46	1153+93.69	1179+57.50	1180+30.03
1189+05.03	1196+81.87		

STATION TO	STATION	STATION TO	STATION
125+52.69	128+15.60	132+95.54	141+79.53
150+54.53	153+92.75	179+73.97	180+46.50
189+21.50	196+96.60		



STATION TO	STATION	STATION TO	STATION
1158+69.43	1171+71.36	1160+79.00 +/-	1161+91.00 +/-

STATION TO	STATION	STATION TO	STATION
158+68.50	170+89.07		

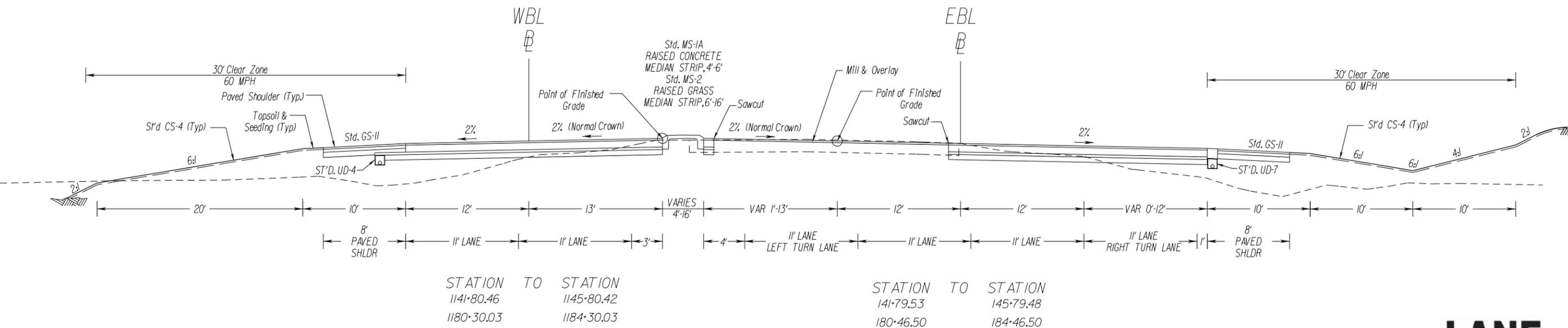
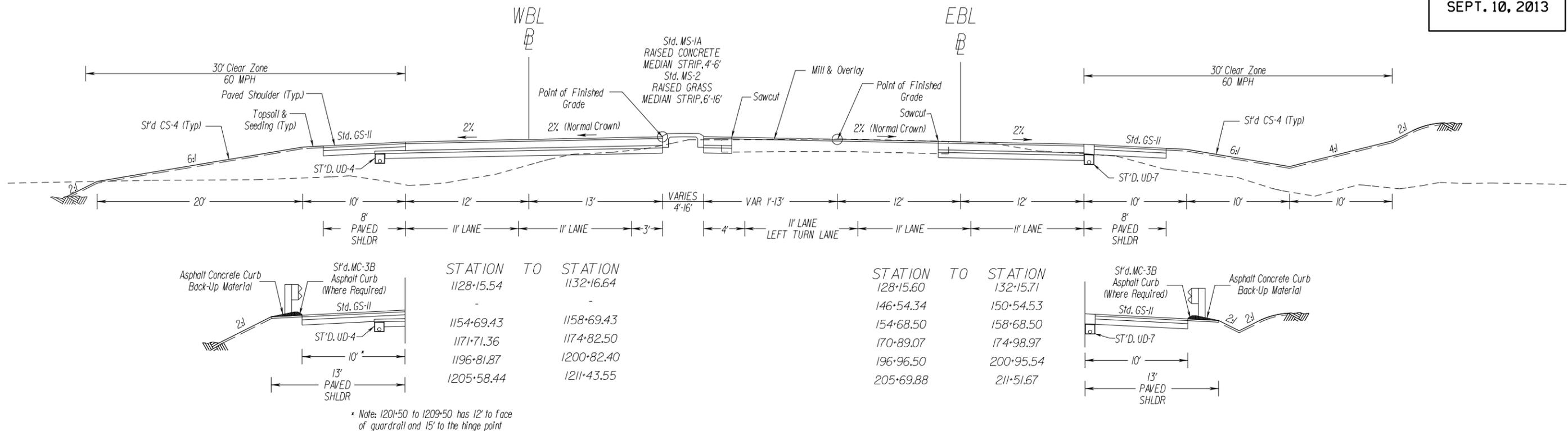


PROJECT MANAGER: Harold Jones (1540) 829-7320  
 SURVEYED BY: Michael Mauco, L.S. (1540) 829-7551  
 DESIGN SUPERVISED BY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_

# TYPICAL SECTIONS ROUTE 3

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107, PE-101, RW-201, C-501	2E
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
VDOT Materials Division Virginia MATERIALS ENGINEER		VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)		

**CONCEPTUAL ROADWAY PLANS**  
SEPT. 10, 2013

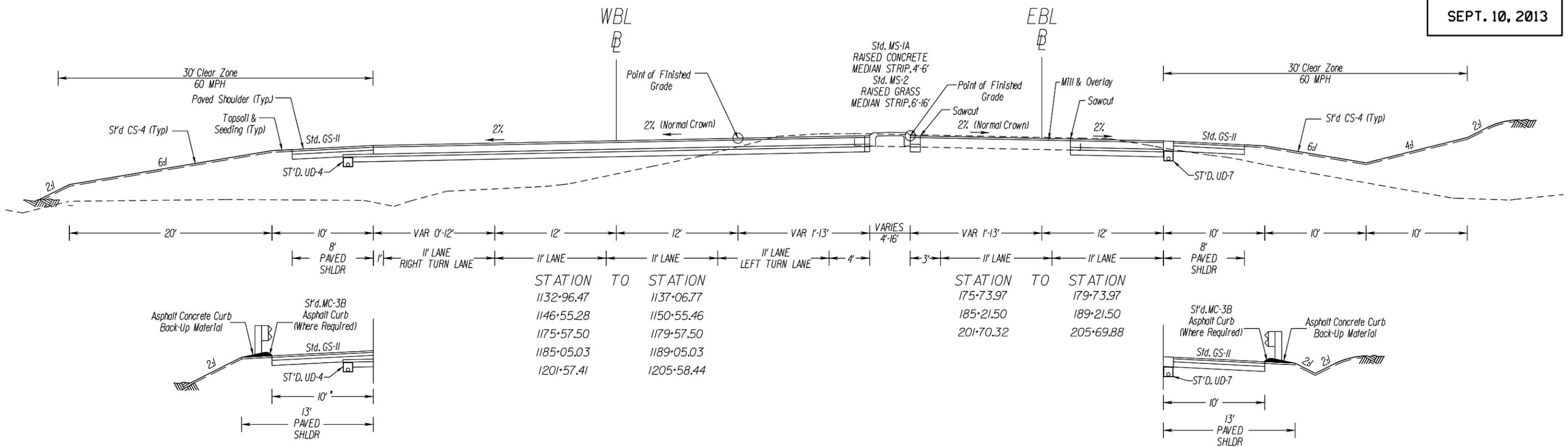


PROJECT MANAGER: Harold Jones (1540) 829-7320  
SURVEYED BY: Michael Mauco, L.S. (1540) 829-7551  
DESIGN SUPERVISED BY: \_\_\_\_\_  
DESIGNED BY: \_\_\_\_\_

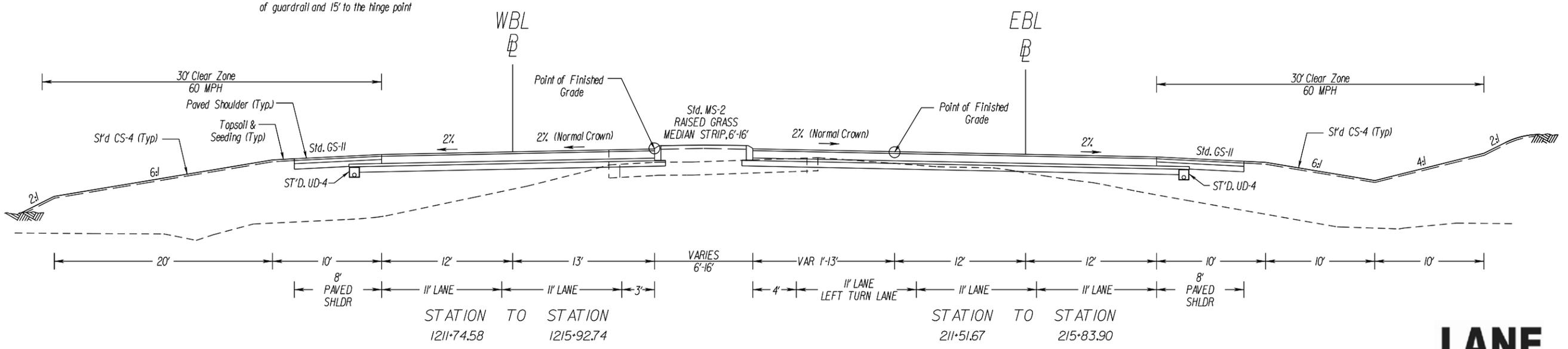
# TYPICAL SECTIONS ROUTE 3

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107, PE-101, RW-201, C-501	2F
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
VDOT Materials Division Virginia MATERIALS ENGINEER		VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)		

**CONCEPTUAL  
ROADWAY PLANS  
SEPT. 10, 2013**



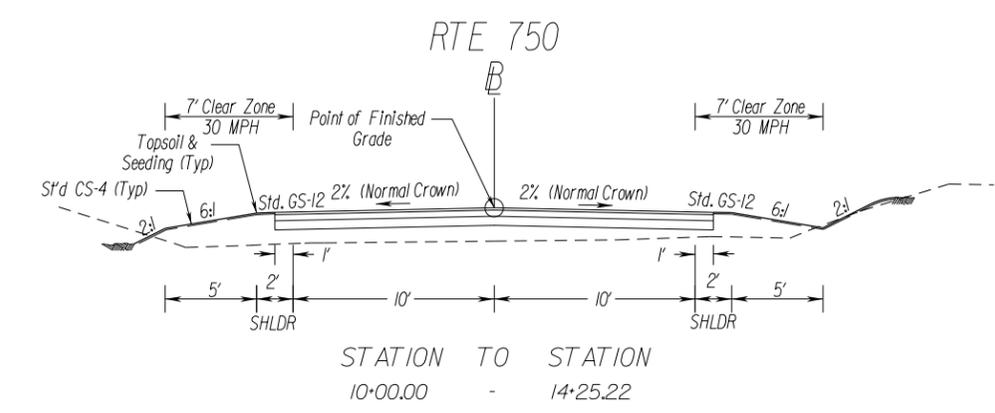
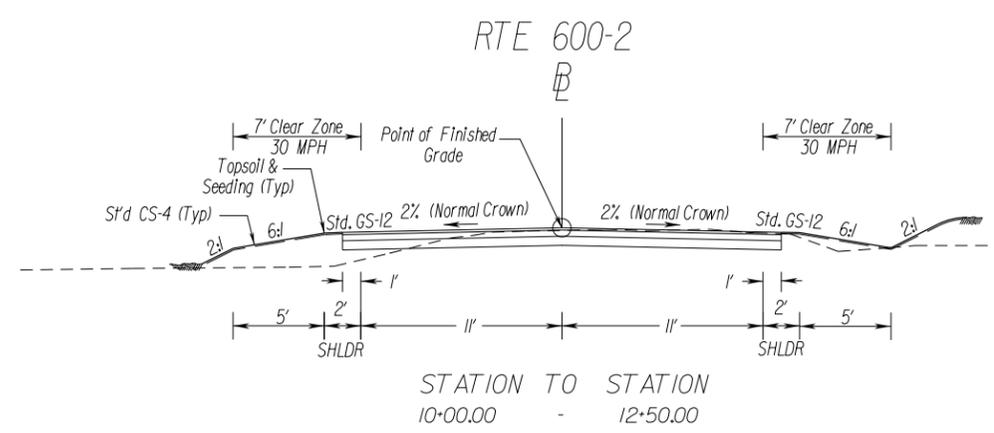
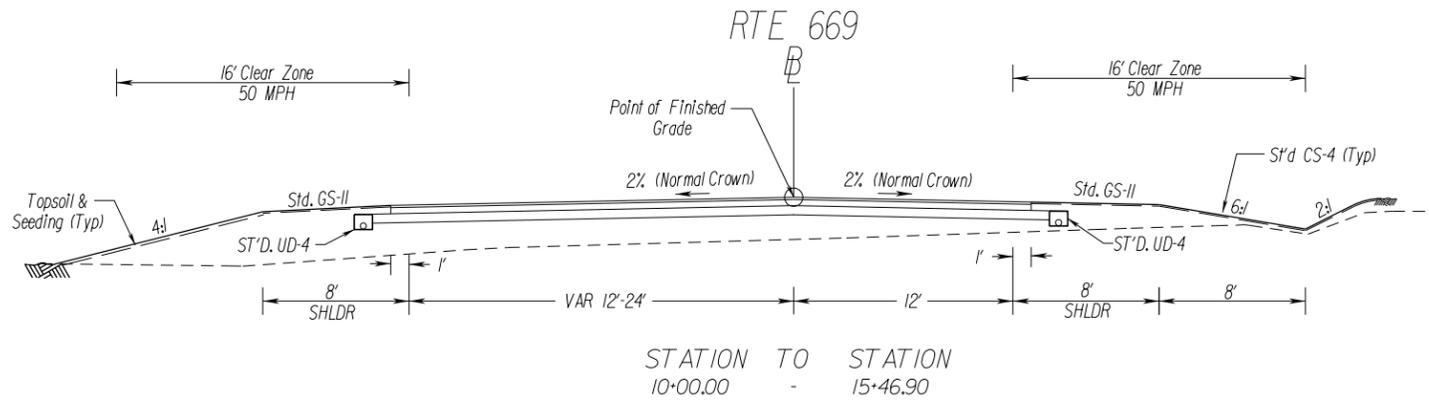
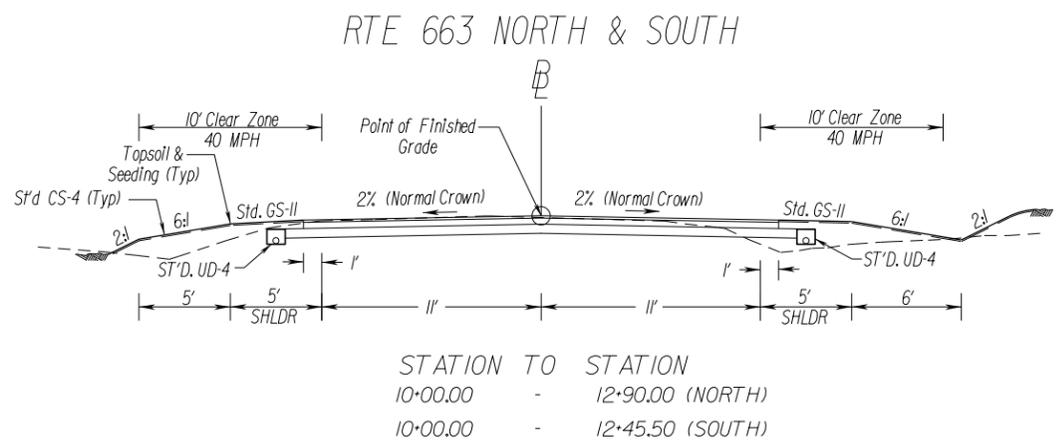
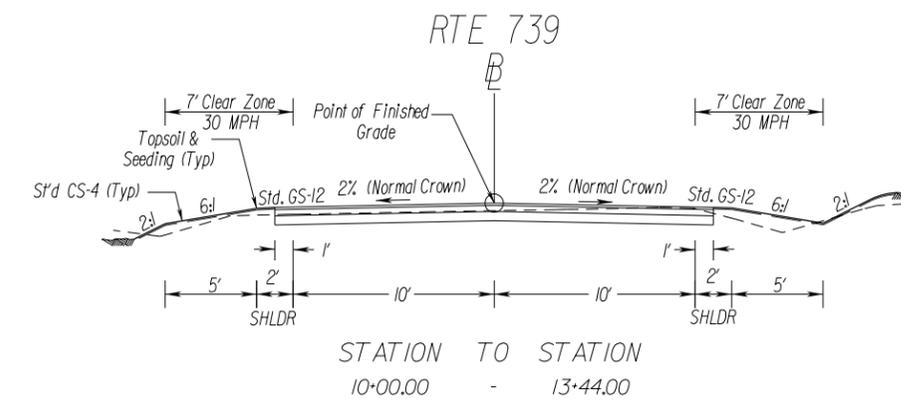
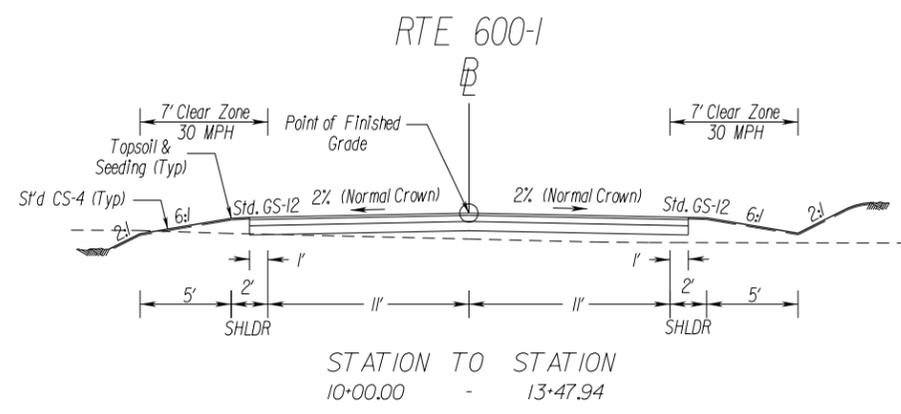
\* Note: 1201+50 to 1209+50 has 12' to face of guardrail and 15' to the hinge point



# TYPICAL SECTIONS ROUTE 3 - SIDE STREETS

REVISED	STATE		SHEET NO.
	ROUTE	PROJECT	
	VA.	3	0003-023-107, PE-101, RW-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			
VDOT Materials Division Virginia MATERIALS ENGINEER		VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)	

**CONCEPTUAL  
 ROADWAY PLANS  
 SEPT. 10, 2013**

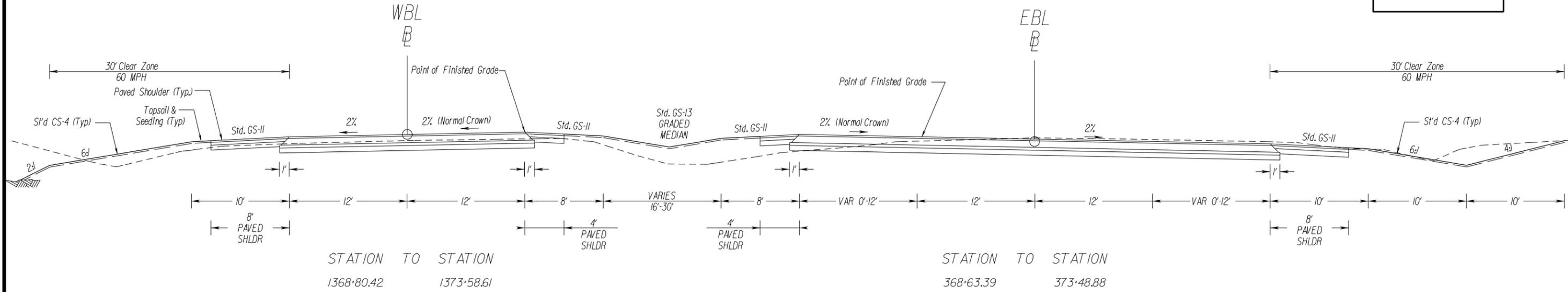


PROJECT MANAGER: Harold Jones (1540) 829-7320  
SURVEYED BY: Michael Mauco, L.S. (1540) 829-7551  
DESIGN SUPERVISED BY: \_\_\_\_\_  
DESIGNED BY: \_\_\_\_\_

# TYPICAL SECTIONS ROUTE 3

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107, PE-101, RW-201, C-501	2H
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
VDOT Materials Division Virginia MATERIALS ENGINEER		VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)		

**CONCEPTUAL  
ROADWAY PLANS  
SEPT. 10, 2013**



PROJECT MANAGER: Harold Jones (540) 829-7320  
SURVEYED BY: Michael Moura, L.S. (540) 829-7551  
DESIGN SUPERVISED BY: \_\_\_\_\_  
DESIGNED BY: \_\_\_\_\_

UTILITY OWNERS

**Dominion Virginia Power, (Distribution)**  
1719 Hydraulic Road  
Charlottesville, Va. 22901  
Contact: Mr. Dan Bateman, Supervisor Customer Solutions  
Office: (434) 972-6734  
Cell: (434) 996-5514  
Email: daniel.bateman@dom.com

**Dominion Virginia Power, (Transmission)**  
Dominion Technical Solutions, Inc.  
701 East Cary Street  
Richmond, Va. 23219

Mailing Address:  
P.O. Box 26666  
Richmond, VA 23261

Contact: Mr. Kyle Keno, P.E.,  
Transmission Line Engineer  
Office: (804) 771-3548  
Email: kyle.a.keno@dom.com

**Verizon Virginia, Inc.**  
901 Prince Edward Street  
Fredericksburg, Va. 22401  
Contact: Mr. Dave Russell, Section Manager  
Office: (540) 368-8176  
Email: david.a.russell@verizon.com

**FiberLight of Virginia, LLC**  
950 Herndon Parkway, Suite 250  
Herndon, Va. 20170  
Contact: Mr. Chris Russell, Project Manager  
Office: (703) 787-7970  
Cell: (703) 650-8465  
Email: chris.russell@fiberlight.com

**AT&T Communications, Local Network Services (LNS)**  
7777 Leesburg Pike, Suite 100N  
Falls Church, VA 22043  
Contact: Ms. Deborah Tullipano, OSP Manager  
Office: (703) 251-9977  
Mobile: (202) 258-1195  
Email: dt2394@att.com

**Level 3 Communications**  
1755 Old Meadow Road  
McLean, Va. 22102  
Contact: Mr. Chris Baker, Culpeper Area Representative  
Cell: (540) 222-6598  
Email: chrisb.baker@level3.com

**Williams Gas Pipeline - TRANSCO**  
345 Greenbrier Drive  
Charlottesville, Va. 22901  
Contact: Mr. Ullises Verde, Division Manager  
Office: (434) 964-2129  
Cell: (434) 906-7582  
Email: ullises.verde@williams.com

**Columbia Gas**  
4176 Blue Dan Dr.  
Warrenton, VA 20187  
(540) 349-2713

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

REVISED	STATE		PROJECT	SHEET NO.
	ROUTE	PROJECT		
	VA.	3	0003-023-107, PE-101, RW-201, C-501	3

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

**CONCEPTUAL  
ROADWAY PLANS**  
SEPT. 10, 2013

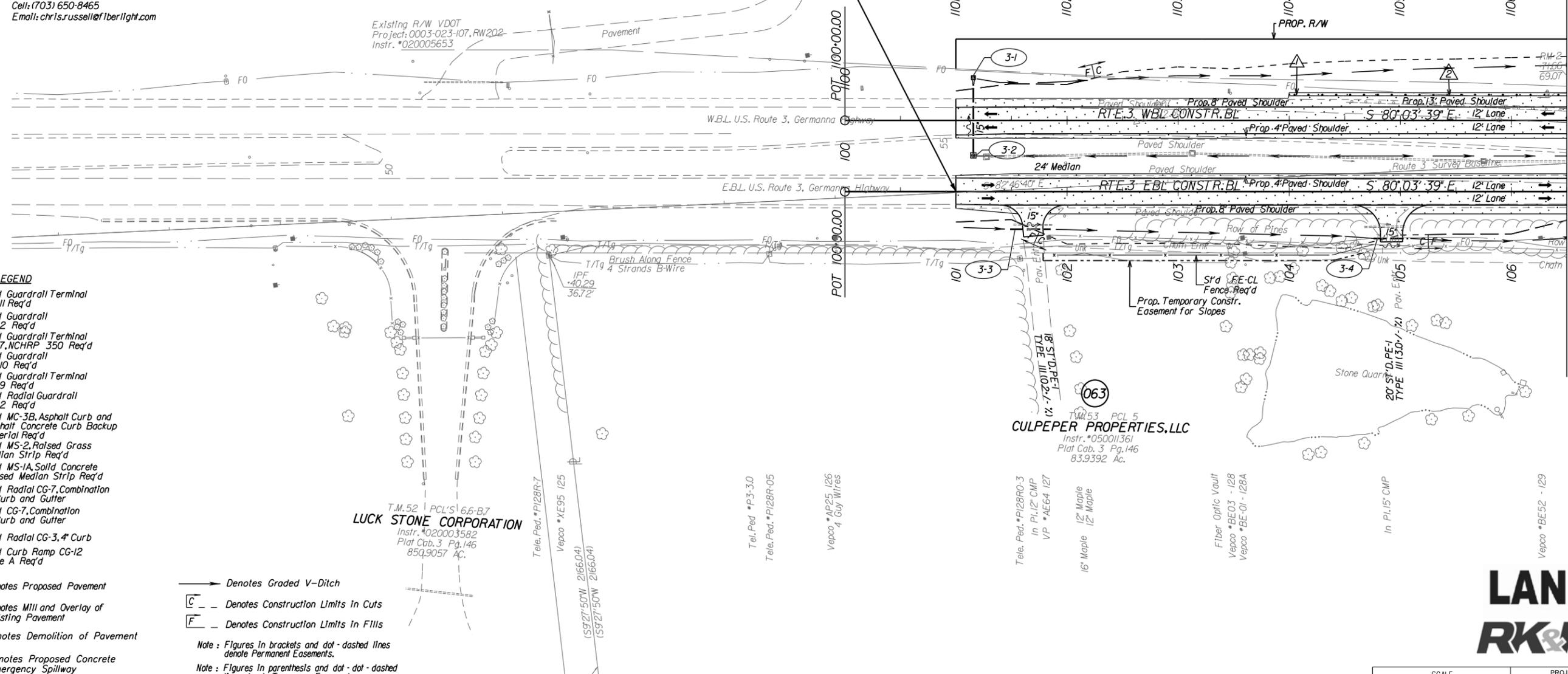
VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)

**RODGERS FAMILY LIMITED PARTNERSHIP**  
T.M. 53 PCL 2  
D.B. 643 PG. 20  
PLAT D.B. 88 PG. 175  
176.25 AC.

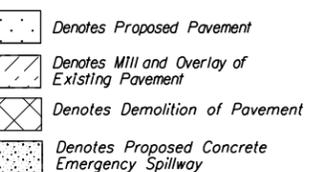
In Pl. Conc. GI  
Top Gate 309.70  
Inm. Out 18" RCP 306.00

In Pl. Conc. GI  
Top Gate 309.92  
Inm. In 18" RCP 305.30  
Inm. Out 15" RCP 305.23

In Pl. Conc. GI  
Top Gate 310.58  
Inm. In 15" RCP 304.24  
Inm. Out 15" RCP 304.56



- LEGEND**
- ▲ S'd Guardrail Terminal GR-II Req'd
  - ▲ S'd Guardrail GR-2 Req'd
  - ▲ S'd Guardrail Terminal GR-7, NCHRP 350 Req'd
  - ▲ S'd Guardrail GR-10 Req'd
  - ▲ S'd Guardrail Terminal GR-9 Req'd
  - ▲ S'd Radial Guardrail GR-2 Req'd
  - ▲ S'd MC-3B, Asphalt Curb and Asphalt Concrete Curb Backup Material Req'd
  - ▲ S'd MS-2, Raised Grass Median Strip Req'd
  - ▲ S'd MS-1A, Solid Concrete Raised Median Strip Req'd
  - ▲ S'd Radial CG-7, Combination # Curb and Gutter
  - ▲ S'd CG-7, Combination # Curb and Gutter
  - ▲ S'd Radial CG-3, #4 Curb
  - ▲ S'd Curb Ramp CG-12 Type A Req'd



- Denotes Graded V-Ditch
  - Denotes Construction Limits in Cuts
  - Denotes Construction Limits in Fills
- Note: Figures in brackets and dot-dashed lines denote Permanent Easements.  
Note: Figures in parenthesis and dot-dot-dashed lines denote Temporary Easements.



Match Line E.B.L. Sta. 106+50 See Sheet No. 4

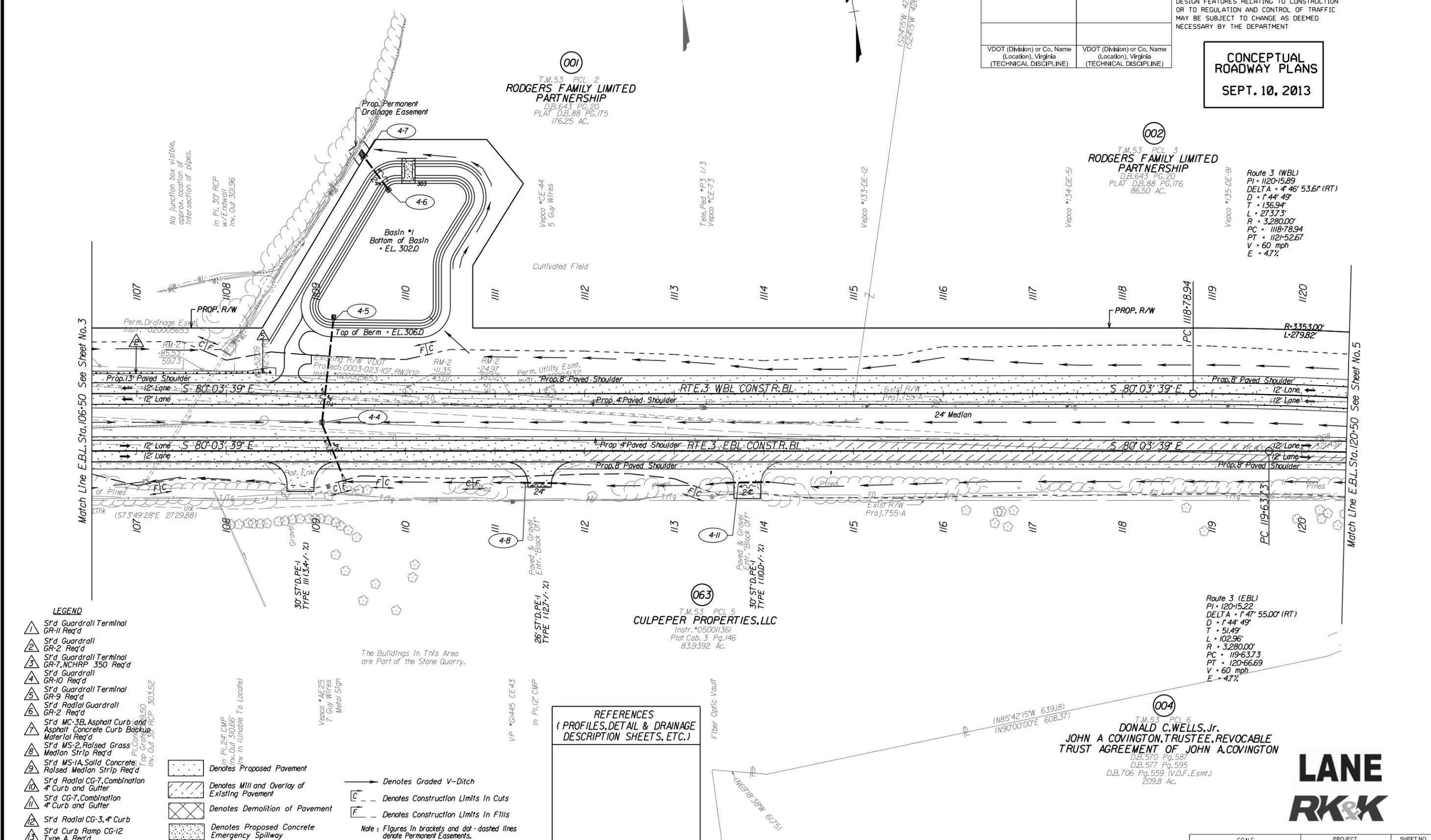
PROJECT MANAGER: Harold Jones (1540) 829-7320  
SURVEYED BY: Michael Mouco, L.S. (1540) 829-7551  
DESIGN SUPERVISED BY: \_\_\_\_\_  
DESIGNED BY: \_\_\_\_\_

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	3	0003-023-107, PE-101, RW-201, C-501	4

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

### CONCEPTUAL ROADWAY PLANS SEPT. 10, 2013

VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)	VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)
---	---



001  
T.M. 53 PCL 2  
**RODGERS FAMILY LIMITED PARTNERSHIP**  
D.B. 643 Pg. 20  
PLAT D.B. 88 Pg. 175  
176.25 AC.

002  
T.M. 53 PCL 3  
**RODGERS FAMILY LIMITED PARTNERSHIP**  
D.B. 643 Pg. 20  
PLAT D.B. 88 Pg. 176  
86.50 AC.

Route 3 (WBL)  
PI - 1120+15.89  
DELTA - 4' 46" 53.6" (RT)  
D - 1' 44" 49"  
T - 136.94'  
L - 273.73'  
R - 3,280.00'  
PC - 1118+78.94  
PT - 1120+52.67  
V - 60 mph  
E - 4.7%

063  
T.M. 53 PCL 5  
**CULPEPER PROPERTIES, LLC**  
Instr. #05001361  
Plat Cab. 3 Pg. 146  
83.9392 Ac.

004  
T.M. 53 PCL 6  
**DONALD C. WELLS, Jr.**  
JOHN A COVINGTON, TRUSTEE, REVOCABLE TRUST AGREEMENT OF JOHN A. COVINGTON  
D.B. 570 Pg. 587  
D.B. 577 Pg. 595  
D.B. 706 Pg. 559 (V.O.F. Esmt.)  
209.8 Ac.

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

- LEGEND**
- 1 S'd Guardrail Terminal GR-11 Req'd
  - 2 S'd Guardrail GR-2 Req'd
  - 3 S'd Guardrail Terminal GR-7, NCHRP 350 Req'd
  - 4 S'd Guardrail GR-10 Req'd
  - 5 S'd Guardrail Terminal GR-9 Req'd
  - 6 S'd Radial Guardrail GR-2 Req'd
  - 7 S'd MC-3B, Asphalt Curb and Asphalt Concrete Curb Backup Material Req'd
  - 8 S'd MS-2, Raised Grass Median Strip Req'd
  - 9 S'd MS-1A, Solid Concrete Raised Median Strip Req'd
  - 10 S'd Radial CG-7, Combination 4' Curb and Gutter
  - 11 S'd CG-7, Combination 4' Curb and Gutter
  - 12 S'd Radial CG-3, 4' Curb
  - 13 S'd Curb Ramp CG-12 Type A Req'd

- Denotes Proposed Pavement
  - Denotes Mill and Overlay of Existing Pavement
  - Denotes Demolition of Pavement
  - Denotes Proposed Concrete Emergency Spillway
  - Denotes Graded V-Ditch
  - Denotes Construction Limits in Cuts
  - Denotes Construction Limits in Fills
- Note: Figures in brackets and dot-dashed lines denote Permanent Easements.  
Note: Figures in parenthesis and dot-dot-dashed lines denote Temporary Easements.



PROJECT MANAGER: Harold Jones (540) 829-7320  
SURVEYED BY: Michael Mouco, L.S. (540) 829-7551  
DESIGN SUPERVISED BY: \_\_\_\_\_  
DESIGNED BY: \_\_\_\_\_

FUNCTIONAL CLASSIFICATION	
RTE 600	
Rural Local Road - Rolling	
V (MPH)	30 MPH (+)

• See plan and profile sheets for horizontal and vertical curve design speeds.

• See Sheet 2G for sideroad lane and shoulder widths

T.M. 53 PCL 16A  
**TRUSTEES OF ST. STEPHENS BAPTIST CHURCH**  
D.B. 308 PG. 595  
PLAT D.B. 308 PG. 597  
0.500 AC.

T.M. 53 PCL 15  
**TRUSTEES OF ST. STEPHENS BAPTIST CHURCH**  
D.B. 22 PG. 181  
0.25 AC.

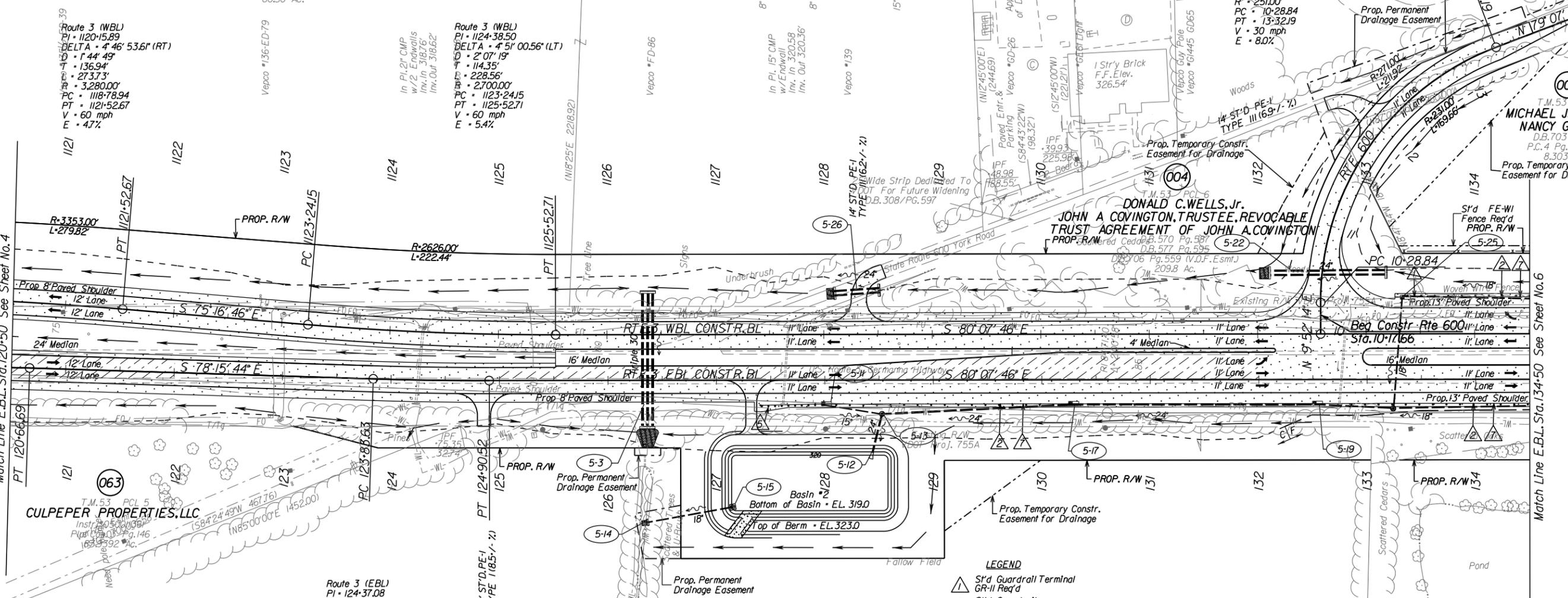
002  
T.M. 53 PCL 3  
**RODGERS FAMILY LIMITED PARTNERSHIP**  
D.B. 643 PG. 20 Cultivated Field  
PLAT D.B. 88 PG. 176  
86.50 AC.

003  
T.M. 53 PCL 16  
**RODGERS FAMILY LIMITED PARTNERSHIP**  
D.B. 643 PG. 20  
24.50 AC.

062  
T.M. 53 PCL 14-A  
**GERARD MICHAEL STEGMAIER** - End Constr. Rte 600  
Sta. 14+32.00  
D.B. 402 PG. 253  
5.0 AC.

005  
T.M. 53 PCL 8  
**MICHAEL J. BROOKS & NANCY G. BROOKS**  
D.B. 703 PG. 140  
P.C. 4 PG. 89 PLAT  
8.3036 AC.

004  
T.M. 53 PCL 6  
**DONALD C. WELLS, JR. JOHN A. COVINGTON, TRUSTEE, REVOCABLE TRUST AGREEMENT OF JOHN A. COVINGTON**  
D.B. 570 PG. 587  
D.B. 577 PG. 595  
209.8 AC.



Route 3 (WBL)  
PI - 1120+15.89  
DELTA - 4° 46' 53.61" (RT)  
D - 1' 44' 49"  
T - 136.94'  
R - 3,280.00'  
PC - 1118+78.94  
PT - 1121+52.67  
V - 60 mph  
E - 4.7%

Route 3 (WBL)  
PI - 1124+38.50  
DELTA - 4° 51' 00.56" (LT)  
D - 2' 07' 19"  
T - 114.35'  
R - 2,285.56'  
PC - 1123+24.15  
PT - 1125+52.71  
V - 60 mph  
E - 5.4%

Route 600 (W)  
PI - 12-02.14  
DELTA - 69° 14' 47.35" (RT)  
D - 22' 49' 37"  
T - 173.30'  
L - 303.35'  
R - 251.00'  
PC - 10+28.84  
PT - 13+32.19  
V - 30 mph  
E - 8.0%

Route 3 (EBL)  
PI - 120+15.22  
DELTA - 1° 47' 55.00" (RT)  
D - 1' 44' 49"  
T - 51.49'  
R - 3,280.00'  
PC - 119+63.73  
PT - 120+66.69  
V - 60 mph  
E - 4.7%

Route 3 (EBL)  
PI - 124+37.08  
DELTA - 1° 52' 01.95" (LT)  
D - 1' 44' 49"  
T - 53.45'  
L - 106.89'  
R - 3,280.00'  
PC - 123+83.63  
PT - 124+90.52  
V - 60 mph  
E - 4.7%

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

LEGEND

- ▲ S'd Guardrail Terminal GR-II Req'd
  - ▲ S'd Guardrail GR-2 Req'd
  - ▲ S'd Guardrail Terminal GR-7, NCHRP 350 Req'd
  - ▲ S'd Guardrail GR-10 Req'd
  - ▲ S'd Guardrail Terminal GR-9 Req'd
  - ▲ S'd Radial Guardrail GR-2 Req'd
  - ▲ S'd MC-3B, Asphalt Curb and Concrete Curb Backup Material Req'd
  - ▲ S'd MS-2, Raised Grass Median Strip Req'd
  - ▲ S'd MS-1A, Solid Concrete Raised Median Strip Req'd
  - ▲ S'd Radial CG-7, Combination 4' Curb and Gutter
  - ▲ S'd CG-7, Combination 4' Curb and Gutter
  - ▲ S'd Radial CG-3, 4' Curb
  - ▲ S'd Curb Ramp CG-12 Type A Req'd
- ◻ Denotes Proposed Pavement
  - ◻ Denotes Mill and Overlay of Existing Pavement
  - ◻ Denotes Demolition of Pavement
  - ◻ Denotes Proposed Concrete Emergency Spillway
  - Denotes Graded V-Ditch
  - C - - - Denotes Construction Limits in Cuts
  - F - - - Denotes Construction Limits in Fills

CONCEPTUAL ROADWAY PLANS  
SEPT. 10, 2013

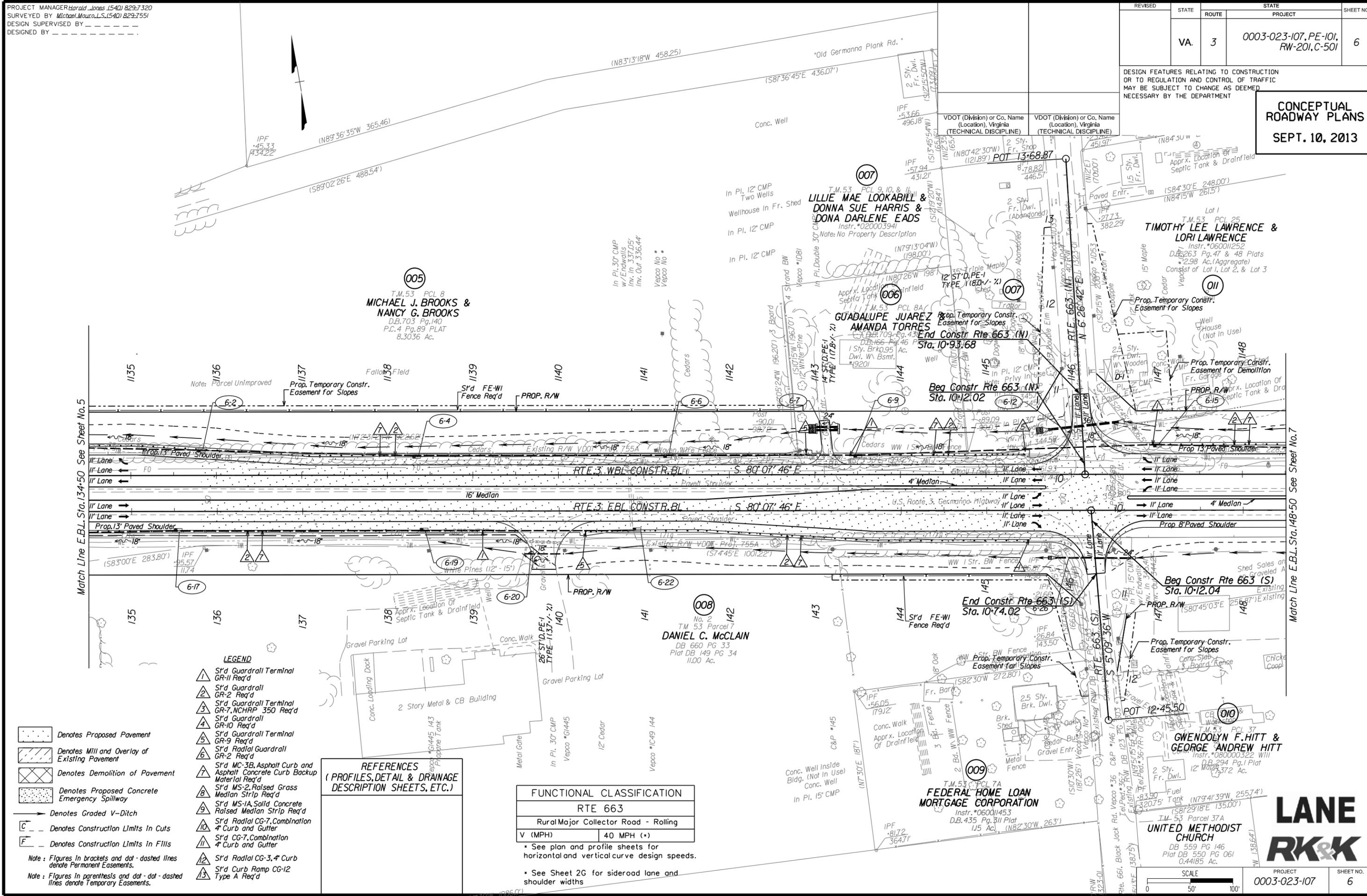
008  
No. 2  
T.M. 53 Parcel 7  
**DANIEL C. McCLAIN**  
D.B. 660 PG. 33  
Plat DB 149 PG. 34  
11.00 AC.

**LANE**  
**RK&K**

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	3	0003-023-107, PE-101, RW-201, C-501	6

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

**CONCEPTUAL ROADWAY PLANS**  
 SEPT. 10, 2013



Match Line E.B.L. Sta. 134+50 See Sheet No. 5

Match Line E.B.L. Sta. 148+50 See Sheet No. 7

- LEGEND**
- 1 Standard Guardrail Terminal GR-II Req'd
  - 2 Standard Guardrail GR-2 Req'd
  - 3 Standard Guardrail Terminal GR-7, NCHRP 350 Req'd
  - 4 Standard Guardrail GR-10 Req'd
  - 5 Standard Guardrail Terminal GR-9 Req'd
  - 6 Standard Radial Guardrail GR-2 Req'd
  - 7 Standard MC-3B, Asphalt Curb and Asphalt Concrete Curb Backup Material Req'd
  - 8 Standard MS-2, Raised Grass Median Strip Req'd
  - 9 Standard MS-1A, Solid Concrete Raised Median Strip Req'd
  - 10 Standard Radial CG-7, Combination 4 Curb and Gutter
  - 11 Standard CG-7, Combination 4 Curb and Gutter
  - 12 Standard Radial CG-3, 4 Curb and Gutter
  - 13 Standard Curb Ramp CG-12 Type A Req'd
- Denotes Proposed Pavement  
 Denotes Mill and Overlay of Existing Pavement  
 Denotes Demolition of Pavement  
 Denotes Proposed Concrete Emergency Spillway  
 Denotes Graded V-Ditch  
 C Denotes Construction Limits In Cuts  
 F Denotes Construction Limits In Fills
- Note: Figures in brackets and dot-dashed lines denote Permanent Easements.  
 Note: Figures in parenthesis and dot-dashed lines denote Temporary Easements.

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

FUNCTIONAL CLASSIFICATION	
RTE 663	
Rural Major Collector Road - Rolling	
V (MPH)	40 MPH (*)

- \* See plan and profile sheets for horizontal and vertical curve design speeds.
- \* See Sheet 2G for sideroad lane and shoulder widths

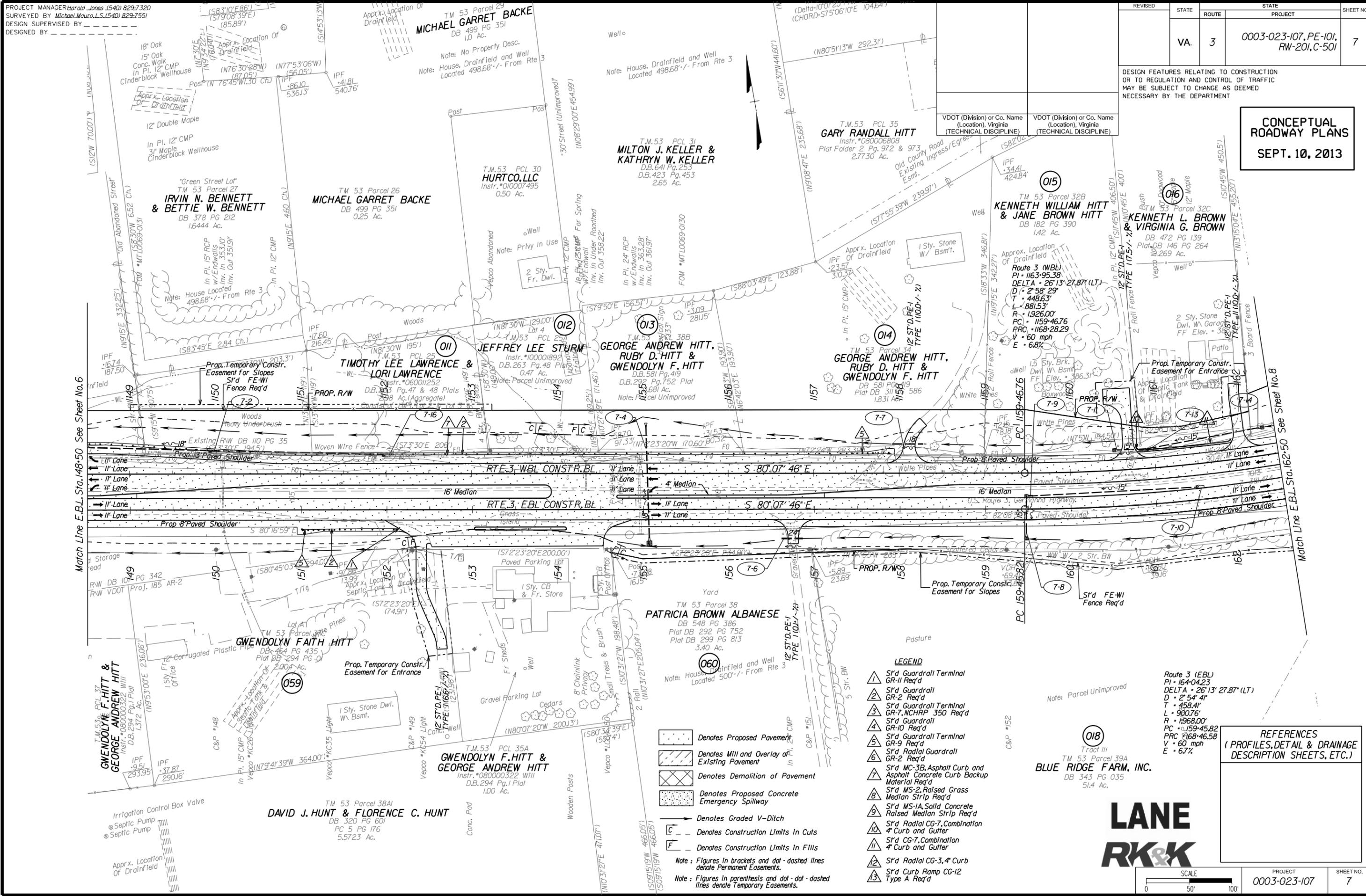


PROJECT MANAGER: Harold Jones (1540) 829-7320  
SURVEYED BY: Michael Mouco, L.S. (1540) 829-7551  
DESIGN SUPERVISED BY: [Blank]  
DESIGNED BY: [Blank]

REVISION	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	3	0003-023-107, PE-101, RW-201, C-501	7

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

**CONCEPTUAL ROADWAY PLANS**  
SEPT. 10, 2013



VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)	VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)

- LEGEND**
- 1 S'd Guardrail Terminal GR-11 Req'd
  - 2 S'd Guardrail GR-2 Req'd
  - 3 S'd Guardrail Terminal GR-7, NCHRP 350 Req'd
  - 4 S'd Guardrail GR-10 Req'd
  - 5 S'd Guardrail Terminal GR-9 Req'd
  - 6 S'd Radial Guardrail GR-2 Req'd
  - 7 S'd MC-3B, Asphalt Curb and Asphalt Concrete Curb Backup Material Req'd
  - 8 S'd MS-2, Raised Grass Median Strip Req'd
  - 9 S'd MS-1A, Solid Concrete Raised Median Strip Req'd
  - 10 S'd Radial CG-7, Combination 4' Curb and Gutter
  - 11 S'd CG-7, Combination 4' Curb and Gutter
  - 12 S'd Radial CG-3, 4' Curb
  - 13 S'd Curb Ramp CG-12 Type A Req'd

Route 3 (EBL)  
PI = 164-0423  
DELTA = 26'13" 27.87' (LT)  
D = 2'54" 4"  
T = 458.41'  
L = 900.76'  
R = 1968.00'  
PC = 159-45.82  
PRC = 168-46.58  
V = 60 mph  
E = 6.7%

**018**  
Tract III  
TM 53 Parcel 39A  
**BLUE RIDGE FARM, INC.**  
DB 343 PG 035  
51.4 Ac.

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

SCALE	PROJECT	SHEET NO.
0 50' 100'	0003-023-107	7

Match Line E.B.L. Sta. 148+50 See Sheet No. 6

Match Line E.B.L. Sta. 162+50 See Sheet No. 8

Note: Figures in brackets and dot-dashed lines denote Permanent Easements.  
Note: Figures in parenthesis and dot-dot-dashed lines denote Temporary Easements.

10/4/21 AM  
 PROJECT MANAGER Harold Jones (540) 829-7320  
 SURVEYED BY Michael Mourco, L.S. (540) 829-7551  
 DESIGN SUPERVISED BY \_\_\_\_\_  
 DESIGNED BY \_\_\_\_\_

Plotted By: localuser

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107, PE-101, RW-201, C-501	8

FUNCTIONAL CLASSIFICATION	
RTE 600	
Rural Local Road - Rolling	
V (MPH)	20 MPH (+)

\* See plan and profile sheets for horizontal and vertical curve design speeds.  
 \* See Sheet 2G for sideroad lane and shoulder widths

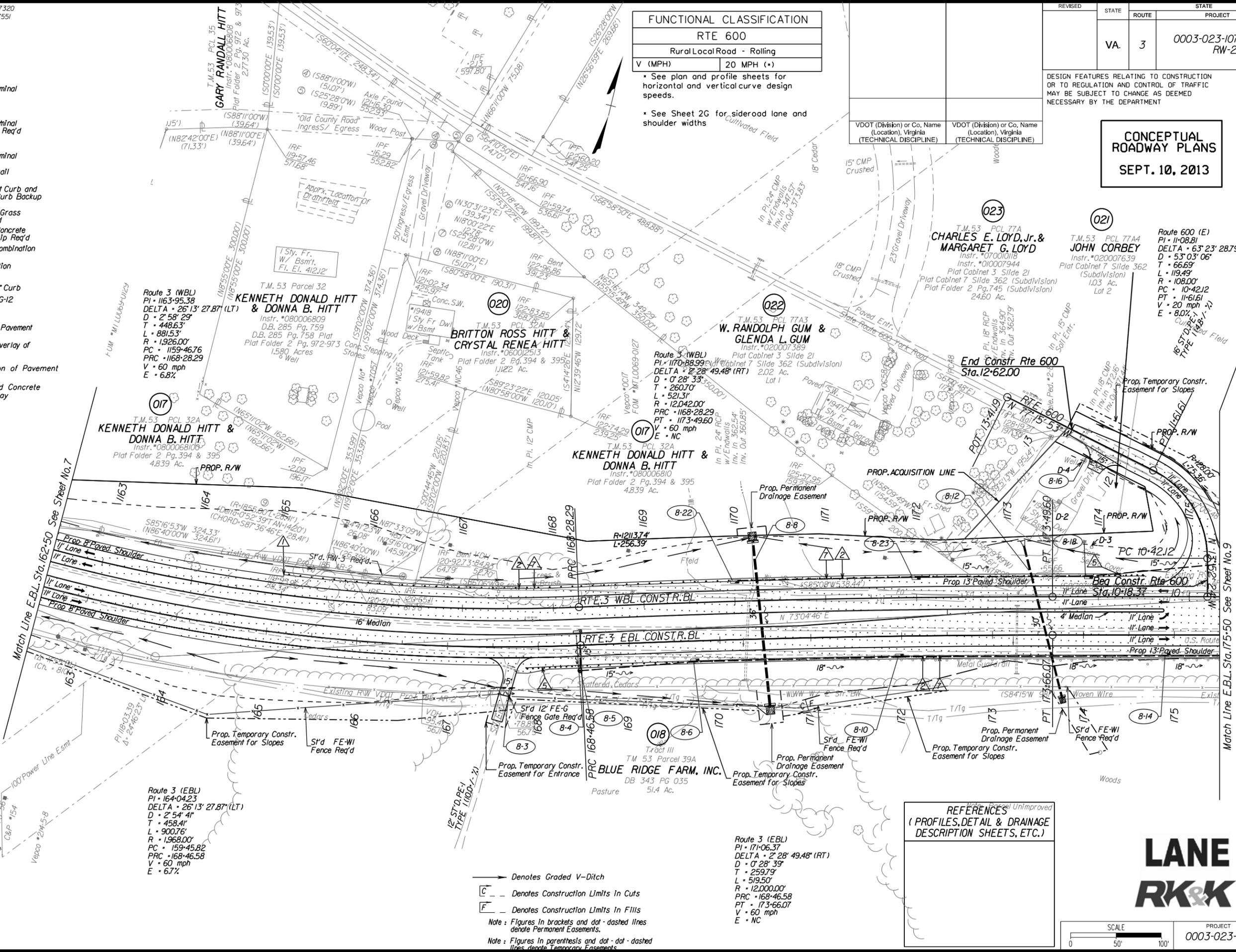
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

**CONCEPTUAL ROADWAY PLANS**  
 SEPT. 10, 2013

VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)	VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)

- LEGEND**
- ▲ S'd Guardrail Terminal GR-II Req'd
  - ▲ S'd Guardrail GR-2 Req'd
  - ▲ S'd Guardrail Terminal GR-7, NCHRP 350 Req'd
  - ▲ S'd Guardrail GR-10 Req'd
  - ▲ S'd Guardrail GR-9 Req'd
  - ▲ S'd Radial Guardrail GR-2 Req'd
  - ▲ S'd MC-3B, Asphalt Curb and Asphalt Concrete Curb Backup Material Req'd
  - ▲ S'd MS-2, Raised Grass Median Strip Req'd
  - ▲ S'd MS-1A, Solid Concrete Raised Median Strip Req'd
  - ▲ S'd Radial CG-7, Combination 4" Curb and Gutter
  - ▲ S'd CG-7, Combination 4" Curb and Gutter
  - ▲ S'd Radial CG-3, 4" Curb
  - ▲ S'd Curb Ramp CG-12 Type A Req'd

- Denotes Proposed Pavement
- ▨ Denotes Mill and Overlay of Existing Pavement
- ▩ Denotes Demolition of Pavement
- ▧ Denotes Proposed Concrete Emergency Spillway



Route 3 (WBL)  
 PI • 1163-95.38  
 DELTA • 26° 13' 27.87" (LT)  
 D • 2' 58' 29"  
 T • 448.63'  
 L • 881.53'  
 R • 1,926.00'  
 PC • 1159-46.76  
 PRC • 1168-28.29  
 V • 60 mph  
 E • 6.8%

Route 3 (WBL)  
 PI • 1170-88.99  
 DELTA • 2° 28' 49.48" (RT)  
 D • 0' 28' 33"  
 T • 260.70'  
 L • 521.31'  
 R • 12,042.00'  
 PRC • 1168-28.29  
 PT • 1173-49.60  
 V • 60 mph  
 E • NC

Route 3 (EBL)  
 PI • 164-04.23  
 DELTA • 26° 13' 27.87" (LT)  
 D • 2' 54' 41"  
 T • 458.41'  
 L • 900.76'  
 R • 1,968.00'  
 PC • 159-45.82  
 PRC • 168-46.58  
 V • 60 mph  
 E • 6.7%

Route 3 (EBL)  
 PI • 171-06.37  
 DELTA • 2° 28' 49.48" (RT)  
 D • 0' 28' 39"  
 T • 259.79'  
 L • 519.50'  
 R • 12,000.00'  
 PRC • 168-46.58  
 PT • 173-66.07  
 V • 60 mph  
 E • NC

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

- Denotes Graded V-Ditch
- C — Denotes Construction Limits in Cuts
- F — Denotes Construction Limits in Fills
- Note: Figures in brackets and dot-dashed lines denote Permanent Easements.
- Note: Figures in parentheses and dot-dashed lines denote Temporary Easements.

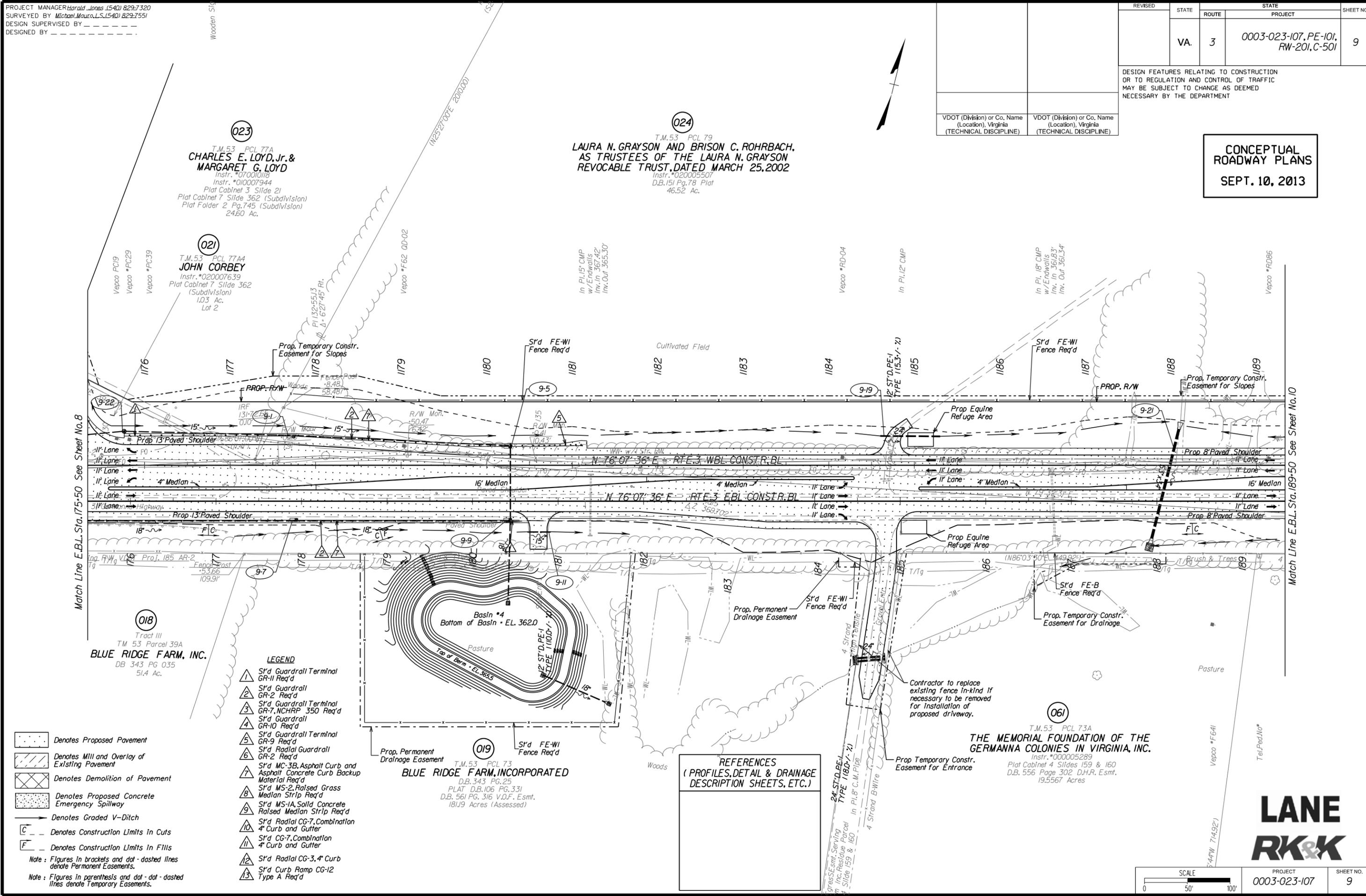


REVISED	STATE		SHEET NO.
	ROUTE	PROJECT	
	VA.	0003-023-107, PE-101, RW-201, C-501	9

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

VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)	VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)
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**CONCEPTUAL ROADWAY PLANS**  
 SEPT. 10, 2013



023  
 T.M. 53 PCL 77A  
**CHARLES E. LOYD, JR. & MARGARET G. LOYD**  
 Instr. \*07001018  
 Instr. \*010007944  
 Plat Cabinet 3 Slide 21  
 Plat Cabinet 7 Slide 362 (Subdivision)  
 Plat Folder 2 Pg. 745 (Subdivision)  
 24.60 Ac.

024  
 T.M. 53 PCL 79  
**LAURA N. GRAYSON AND BRISON C. ROHRBACH, AS TRUSTEES OF THE LAURA N. GRAYSON REVOCABLE TRUST, DATED MARCH 25, 2002**  
 Instr. \*020005507  
 D.B. 151 Pg. 78 Plat  
 46.52 Ac.

021  
 T.M. 53 PCL 77A4  
**JOHN CORBEY**  
 Instr. \*020007639  
 Plat Cabinet 7 Slide 362 (Subdivision)  
 10.3 Ac.  
 Lot 2

018  
 Tract III  
 T.M. 53 Parcel 39A  
**BLUE RIDGE FARM, INC.**  
 DB 343 PG. 035  
 51.4 Ac.

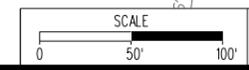
019  
 T.M. 53 PCL 73  
**BLUE RIDGE FARM, INCORPORATED**  
 D.B. 343 PG. 25  
 PLAT D.B. 106 PG. 331  
 D.B. 561 PG. 316 V.D.F. Esmt.  
 181.9 Acres (Assessed)

061  
 T.M. 53 PCL 73A  
**THE MEMORIAL FOUNDATION OF THE GERMANIA COLONIES IN VIRGINIA, INC.**  
 Instr. \*000005289  
 Plat Cabinet 4 Slides 159 & 160  
 D.B. 556 Page 302 D.H.R. Esmt.  
 19,556.7 Acres

- LEGEND**
- 1 St'd Guardrail Terminal GR-11 Req'd
  - 2 St'd Guardrail GR-2 Req'd
  - 3 St'd Guardrail Terminal GR-7, NCHRP 350 Req'd
  - 4 St'd Guardrail GR-10 Req'd
  - 5 St'd Guardrail Terminal GR-9 Req'd
  - 6 St'd Radial Guardrail GR-2 Req'd
  - 7 St'd MC-3B, Asphalt Curb and Asphalt Concrete Curb Backup Material Req'd
  - 8 St'd MS-2, Raised Grass Median Strip Req'd
  - 9 St'd MS-1A, Solid Concrete Raised Median Strip Req'd
  - 10 St'd Radial CG-7, Combination 4' Curb and Gutter
  - 11 St'd CG-7, Combination 4' Curb and Gutter
  - 12 St'd Radial CG-3, 4' Curb
  - 13 St'd Curb Ramp CG-12 Type A Req'd

- Denotes Proposed Pavement
  - Denotes Mill and Overlay of Existing Pavement
  - Denotes Demolition of Pavement
  - Denotes Proposed Concrete Emergency Spillway
  - Denotes Graded V-Ditch
  - C - Denotes Construction Limits in Cuts
  - F - Denotes Construction Limits in Fills
- Note: Figures in brackets and dot-dashed lines denote Permanent Easements.  
 Note: Figures in parenthesis and dot-dot-dashed lines denote Temporary Easements.

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



Match Line E.B.L. Sta. 175+50 See Sheet No. 8

Match Line E.B.L. Sta. 189+50 See Sheet No. 10

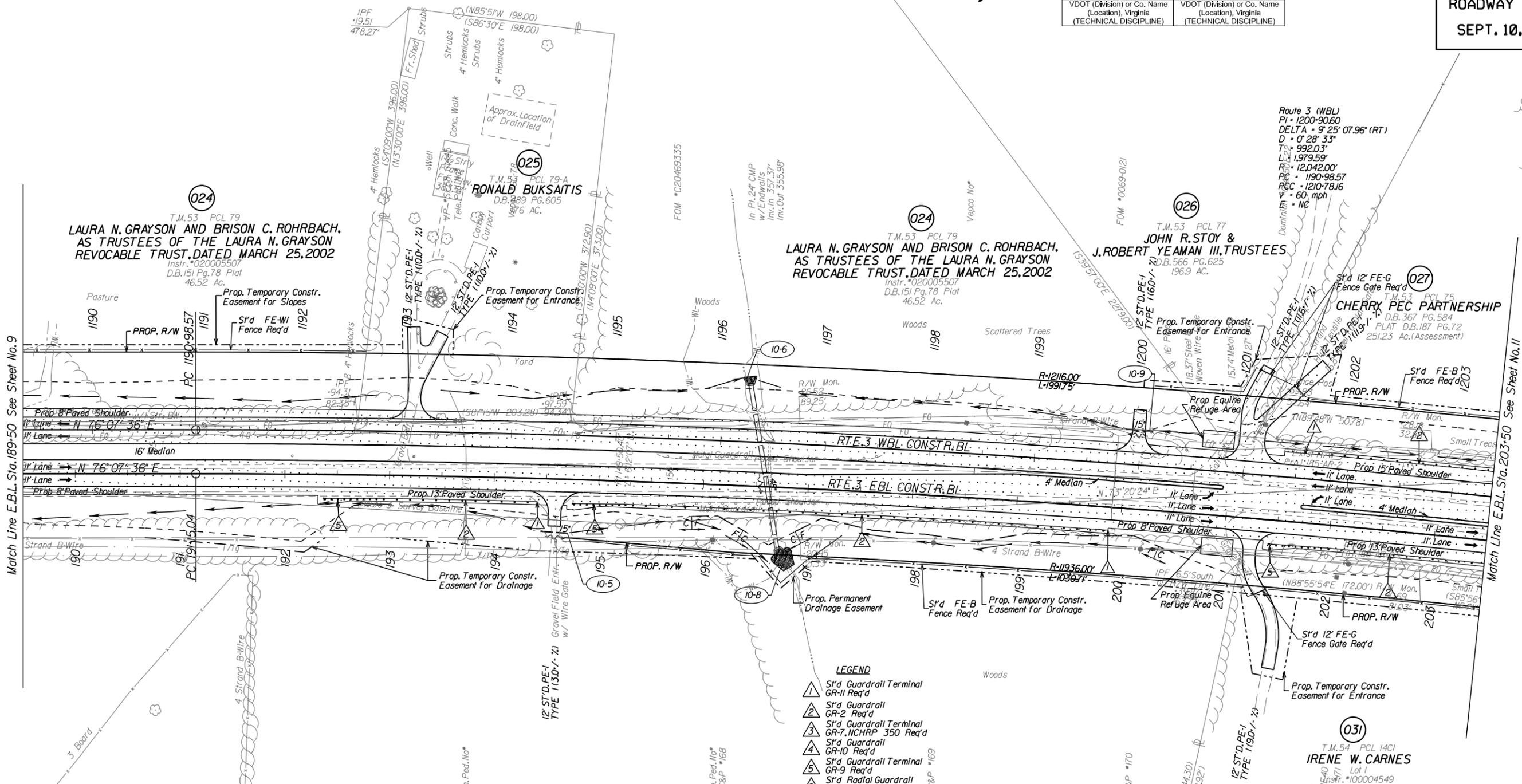
PROJECT MANAGER: Harold Jones (1540) 829-7320  
SURVEYED BY: Michael Mouco, L.S. (1540) 829-7551  
DESIGN SUPERVISED BY: \_\_\_\_\_  
DESIGNED BY: \_\_\_\_\_

REVISED	STATE		PROJECT	SHEET NO.
	ROUTE	PROJECT		
	VA.	3	0003-023-107, PE-101, RW-201, C-501	10

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

**CONCEPTUAL ROADWAY PLANS**  
 SEPT. 10, 2013

VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)	VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)
---	---



Match Line E.B.L. Sta. 189+50 See Sheet No. 9

Match Line E.B.L. Sta. 203+50 See Sheet No. 11

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

	Denotes Proposed Pavement
	Denotes Mill and Overlay of Existing Pavement
	Denotes Demolition of Pavement
	Denotes Proposed Concrete Emergency Spillway
	Denotes Graded V-Ditch
	Denotes Construction Limits In Cuts
	Denotes Construction Limits In Fills

Note: Figures in brackets and dot - dashed lines denote Permanent Easements.  
Note: Figures in parenthesis and dot - dot - dashed lines denote Temporary Easements.

**019**  
T.M. 53 PCL 73  
**BLUE RIDGE FARM, INCORPORATED**  
D.B. 343 PG. 25  
PLAT D.B. 106 PG. 331  
D.B. 561 PG. 316 V.O.F. Esmt.  
181/19 Acres (Assessed)

- LEGEND**
- 1. S'd Guardrail Terminal GR-11 Req'd
  - 2. S'd Guardrail GR-2 Req'd
  - 3. S'd Guardrail Terminal GR-7, NCHRP 350 Req'd
  - 4. S'd Guardrail GR-10 Req'd
  - 5. S'd Guardrail Terminal GR-9 Req'd
  - 6. S'd Radial Guardrail GR-2 Req'd
  - 7. S'd MC-3B, Asphalt Curb and Asphalt Concrete Curb Backup Material Req'd
  - 8. S'd MS-2, Raised Grass Median Strip Req'd
  - 9. S'd MS-1A, Solid Concrete Raised Median Strip Req'd
  - 10. S'd Radial CG-7, Combination 4' Curb and Gutter
  - 11. S'd CG-7, Combination 4' Curb and Gutter
  - 12. S'd Radial CG-3, 4' Curb
  - 13. S'd Curb Ramp CG-12 Type A Req'd

- Denotes Proposed Pavement
- Denotes Mill and Overlay of Existing Pavement
- Denotes Demolition of Pavement
- Denotes Proposed Concrete Emergency Spillway



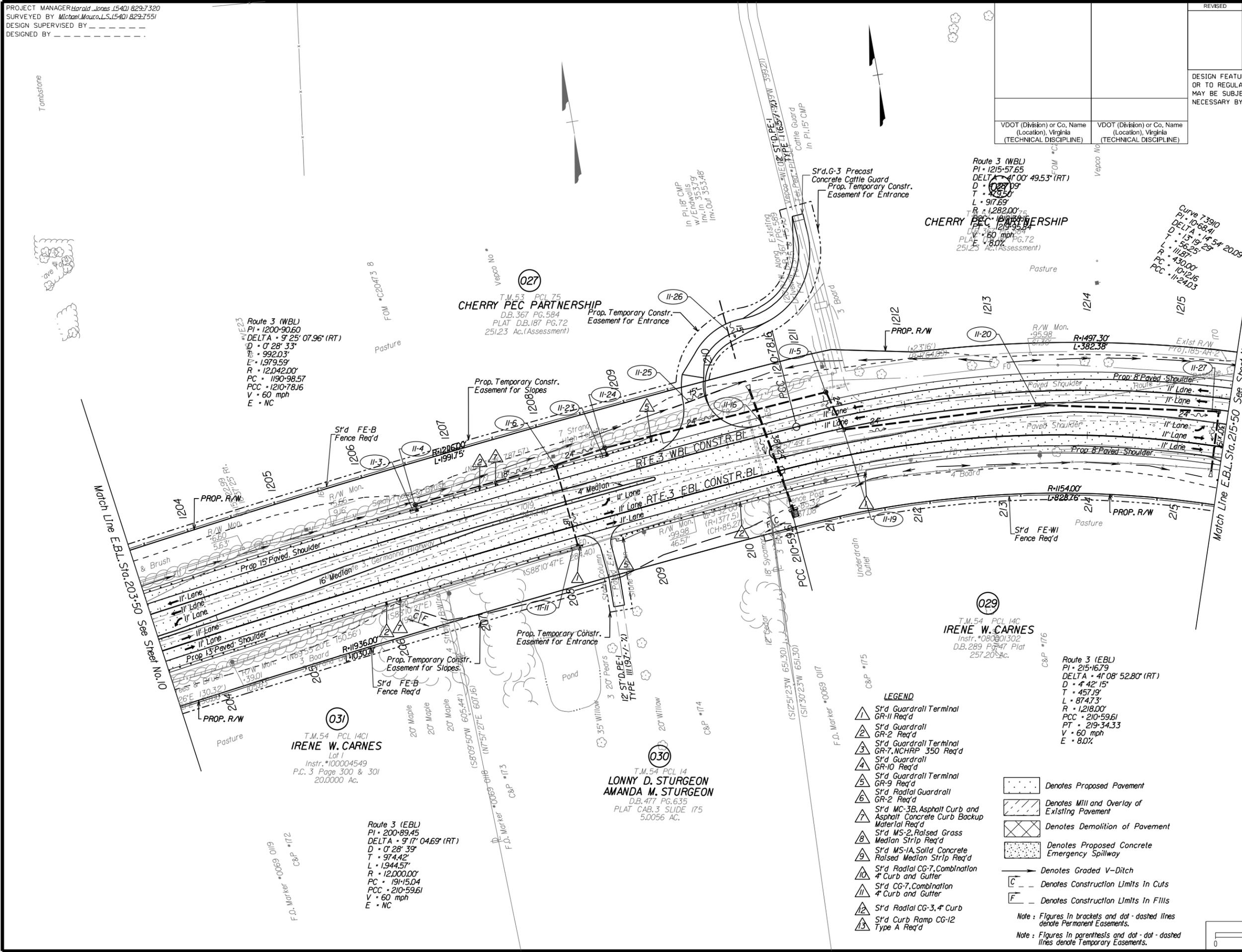
PROJECT MANAGER: Harold Jones (1540) 829-7320  
SURVEYED BY: Michael Mouco, L.S. (1540) 829-7551  
DESIGN SUPERVISED BY: \_\_\_\_\_  
DESIGNED BY: \_\_\_\_\_

REVISED	STATE		SHEET NO.
	ROUTE	PROJECT	
	VA.	0003-023-107, PE-101, RW-201, C-501	11

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

VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)	VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)
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### CONCEPTUAL ROADWAY PLANS SEPT. 10, 2013



#### LEGEND

- ▲ S'd Guardrail Terminal GR-II Req'd
  - ▲ S'd Guardrail GR-2 Req'd
  - ▲ S'd Guardrail Terminal GR-7, NCHRP 350 Req'd
  - ▲ S'd Guardrail GR-10 Req'd
  - ▲ S'd Guardrail Terminal GR-9 Req'd
  - ▲ S'd Radial Guardrail GR-2 Req'd
  - ▲ S'd MC-3B, Asphalt Curb and Asphalt Concrete Curb Backup Material Req'd
  - ▲ S'd MS-2, Raised Grass Median Strip Req'd
  - ▲ S'd MS-1A, Solid Concrete Raised Median Strip Req'd
  - ▲ S'd Radial CG-7, Combination 4' Curb and Gutter
  - ▲ S'd CG-7, Combination 4' Curb and Gutter
  - ▲ S'd Radial CG-3, 4' Curb
  - ▲ S'd Curb Ramp CG-12 Type A Req'd
- [Pattern] Denotes Proposed Pavement
  - [Pattern] Denotes Mill and Overlay of Existing Pavement
  - [Pattern] Denotes Demolition of Pavement
  - [Pattern] Denotes Proposed Concrete Emergency Spillway
  - Denotes Graded V-Ditch
  - [C] Denotes Construction Limits In Cuts
  - [F] Denotes Construction Limits In Fills
- Note: Figures in brackets and dot-dashed lines denote Permanent Easements.  
Note: Figures in parenthesis and dot-dot-dashed lines denote Temporary Easements.

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



SCALE 0 50' 100'	PROJECT 0003-023-107	SHEET NO. 11
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PROJECT MANAGER: Harold Jones (LS40) 829-7320  
SURVEYED BY: Michael Mouco, LS (LS40) 829-7551  
DESIGN SUPERVISED BY: \_\_\_\_\_  
DESIGNED BY: \_\_\_\_\_

REVISED	STATE			SHEET NO.
	ROUTE	PROJECT		
	VA.	3	0003-023-107, PE-101, RW-201, C-501	13

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

**CONCEPTUAL ROADWAY PLANS**  
SEPT. 10, 2013

VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)	VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)
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VEPCO \*ALP1-C

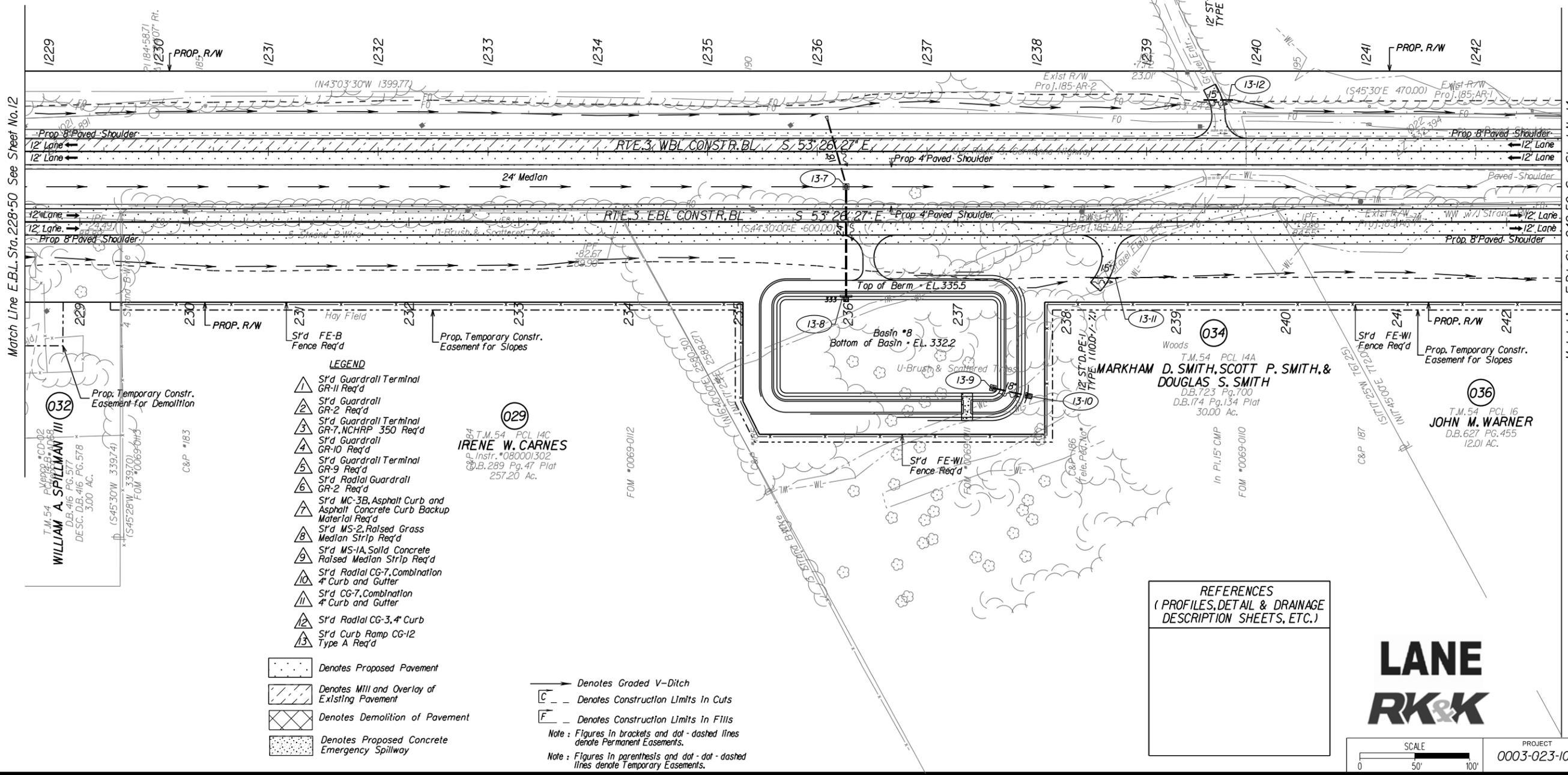
Veppo \*BC-38

FOM \*C20475370  
Veppo \*BC34

Veppo F-77  
Veppo F-77  
In Pl. 12' CMP  
FOM \*0069-0109

**033**  
T.M. 54 PCL 13  
**EVANGELOS P. CARAFIDES**  
**MARIA CARAFIDES**  
D.B. 286 PG. 627  
PLAT B. 286 PG. 629  
20.8697 AC.

**035**  
T.M. 54 PCL 15  
**JOHANNES C. VAN WINGERDEN**  
D.B. 480 PG. 695  
PLAT D.B. 147 PG. 254  
15.35 AC.



- LEGEND**
- 1) S'd Guardrail Terminal GR-11 Req'd
  - 2) S'd Guardrail GR-2 Req'd
  - 3) S'd Guardrail Terminal GR-7, NCHRP 350 Req'd
  - 4) S'd Guardrail GR-10 Req'd
  - 5) S'd Guardrail Terminal GR-9 Req'd
  - 6) S'd Radial Guardrail GR-2 Req'd
  - 7) S'd MC-3B, Asphalt Curb and Asphalt Concrete Curb Backup Material Req'd
  - 8) S'd MS-2, Raised Grass Median Strip Req'd
  - 9) S'd MS-1A, Solid Concrete Raised Median Strip Req'd
  - 10) S'd Radial CG-7, Combination 4' Curb and Gutter
  - 11) S'd CG-7, Combination 4' Curb and Gutter
  - 12) S'd Radial CG-3, 4' Curb
  - 13) S'd Curb Ramp CG-12 Type A Req'd

- Denotes Proposed Pavement
  - Denotes Mill and Overlay of Existing Pavement
  - Denotes Demolition of Pavement
  - Denotes Proposed Concrete Emergency Spillway
  - Denotes Graded V-Ditch
  - Denotes Construction Limits In Cuts
  - Denotes Construction Limits In Fills
- Note: Figures in brackets and dot-dashed lines denote Permanent Easements.  
Note: Figures in parenthesis and dot-dot-dashed lines denote Temporary Easements.

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



Match Line E.B.L. Sta. 228+50 See Sheet No. 12

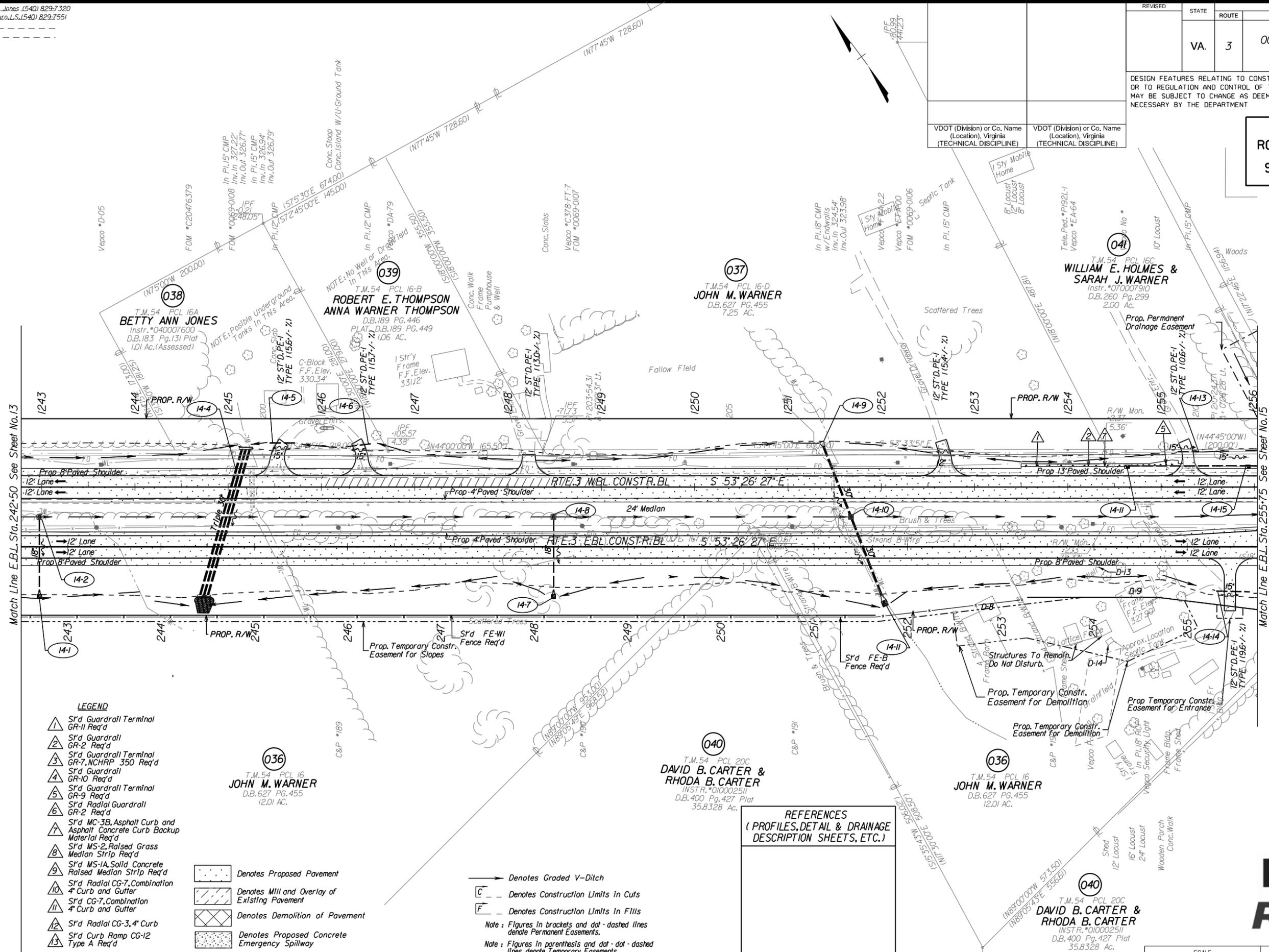
Match Line E.B.L. Sta. 242+50 See Sheet No. 14

REVISED	STATE		PROJECT	SHEET NO.
	ROUTE	PROJECT		
	VA.	3	0003-023-107, PE-101, RW-201, C-501	14

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

**CONCEPTUAL ROADWAY PLANS**  
 SEPT. 10, 2013

VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)  
 VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)



Match Line E.B.L. Sta. 242+50 See Sheet No. 13

Match Line E.B.L. Sta. 255+75 See Sheet No. 15

- LEGEND**
- ▲ S'd Guardrail Terminal GR-II Req'd
  - ▲ S'd Guardrail GR-2 Req'd
  - ▲ S'd Guardrail Terminal GR-7, NCHRP 350 Req'd
  - ▲ S'd Guardrail GR-10 Req'd
  - ▲ S'd Guardrail Terminal GR-9 Req'd
  - ▲ S'd Radial Guardrail GR-2 Req'd
  - ▲ S'd MC-3B, Asphalt Curb and Asphalt Concrete Curb Backup Material Req'd
  - ▲ S'd MS-2, Raised Grass Median Strip Req'd
  - ▲ S'd MS-1A, Solid Concrete Raised Median Strip Req'd
  - ▲ S'd Radial CG-7, Combination 4" Curb and Gutter
  - ▲ S'd CG-7, Combination 4" Curb and Gutter
  - ▲ S'd Radial CG-3, 4" Curb
  - ▲ S'd Curb Ramp CG-12 Type A Req'd

- Denotes Proposed Pavement
- Denotes Mill and Overlay of Existing Pavement
- Denotes Demolition of Pavement
- Denotes Proposed Concrete Emergency Spillway

- Denotes Graded V-Ditch
  - Denotes Construction Limits In Cuts
  - Denotes Construction Limits In Fills
- Note: Figures in brackets and dot-dashed lines denote Permanent Easements.  
 Note: Figures in parenthesis and dot-dot-dashed lines denote Temporary Easements.

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

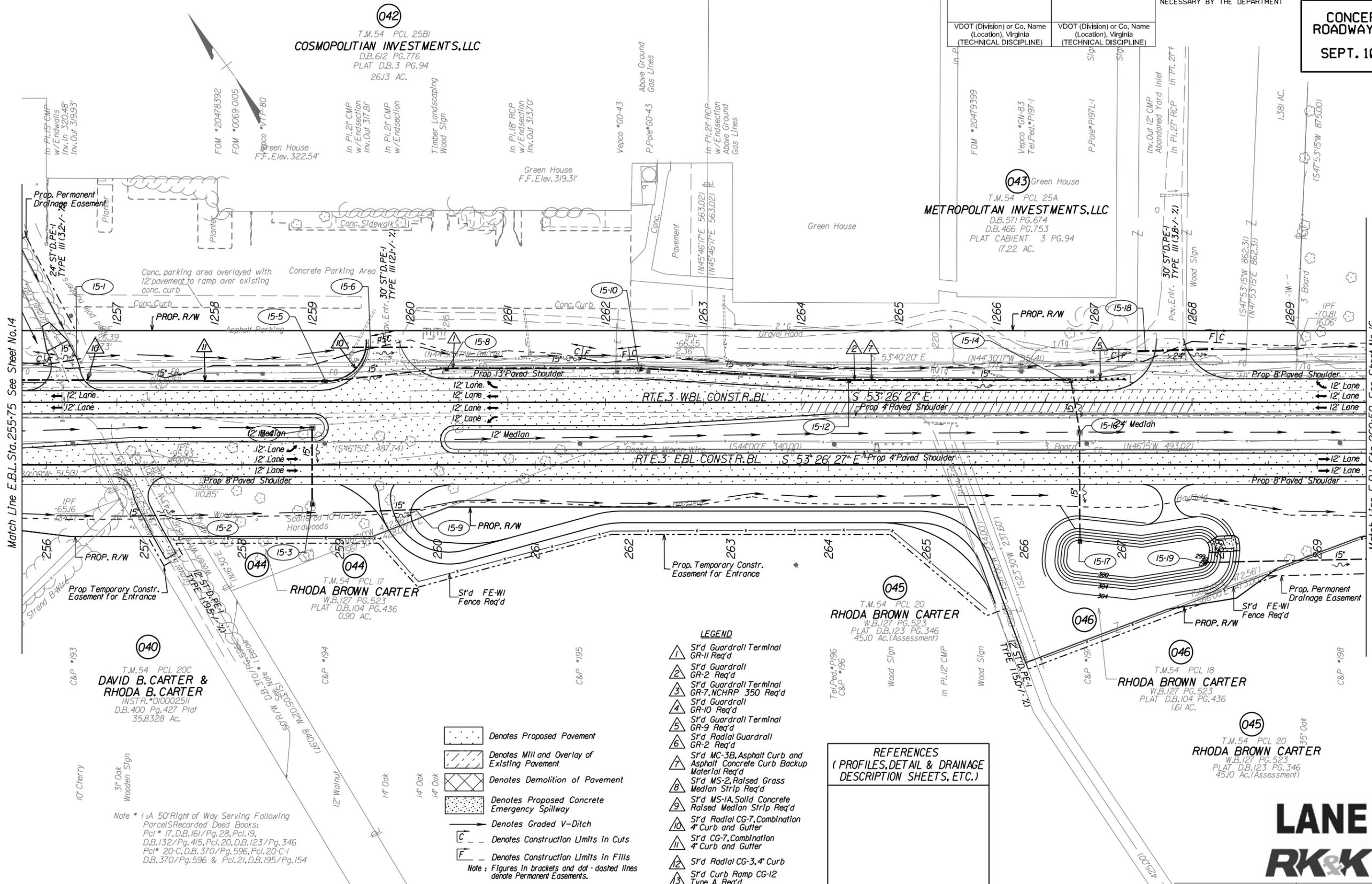


REVISED	STATE		PROJECT	SHEET NO.
	VA.	ROUTE		
		3	0003-023-107, PE-101, RW-201, C-501	15

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

**CONCEPTUAL ROADWAY PLANS**  
 SEPT. 10, 2013

VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)	VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)
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Match Line E.B.L. Sta. 255+75 See Sheet No. 14

Match Line E.B.L. Sta. 269+50 See Sheet No. 16

**040**  
 T.M. 54 PCL 20C  
**DAVID B. CARTER & RHODA B. CARTER**  
 INSTR. 010002511  
 D.B. 400 Pg. 427 Plat 35.8328 Ac.

**044**  
 T.M. 54 PCL 17  
**RHODA BROWN CARTER**  
 W.B. 127 PG. 523  
 PLAT D.B. 104 PG. 436  
 0.90 AC.

**045**  
 T.M. 54 PCL 20  
**RHODA BROWN CARTER**  
 W.B. 127 PG. 523  
 PLAT D.B. 123 PG. 346  
 45.10 Ac. (Assessment)

**046**  
 T.M. 54 PCL 18  
**RHODA BROWN CARTER**  
 W.B. 127 PG. 523  
 PLAT D.B. 104 PG. 436  
 1.61 AC.

**045**  
 T.M. 54 PCL 20  
**RHODA BROWN CARTER**  
 W.B. 127 PG. 523  
 PLAT D.B. 123 PG. 346  
 45.10 Ac. (Assessment)

Note \* 1-A 50' Right of Way Serving Following Parcel/Recorded Deed Books:  
 Pcl \* 17, D.B. 161/Pg. 28, Pcl. 19, D.B. 132/Pg. 415, Pcl. 20, D.B. 123/Pg. 346  
 Pcl \* 20-C, D.B. 370/Pg. 596, Pcl. 20-C-1 D.B. 370/Pg. 596 & Pcl. 21, D.B. 195/Pg. 154

- LEGEND**
- Denotes Proposed Pavement
  - Denotes Mill and Overlay of Existing Pavement
  - Denotes Demolition of Pavement
  - Denotes Proposed Concrete Emergency Spillway
  - Denotes Graded V-Ditch
  - Denotes Construction Limits In Cuts
  - Denotes Construction Limits In Fills
- Note : Figures in brackets and dot - dashed lines denote Permanent Easements.  
 Note : Figures in parenthesis and dot - dot - dashed lines denote Temporary Easements.

- LEGEND**
- S'd Guardrail Terminal GR-II Req'd
  - S'd Guardrail GR-2 Req'd
  - S'd Guardrail Terminal GR-7, NCHRP 350 Req'd
  - S'd Guardrail GR-10 Req'd
  - S'd Guardrail Terminal GR-9 Req'd
  - S'd Radial Guardrail GR-2 Req'd
  - S'd MC-3B, Asphalt Curb and Asphalt Concrete Curb Backup Material Req'd
  - S'd MS-2, Raised Grass Median Strip Req'd
  - S'd MS-1A, Solid Concrete Raised Median Strip Req'd
  - S'd Radial CG-7, Combination 4' Curb and Gutter
  - S'd CG-7, Combination 4' Curb and Gutter
  - S'd Radial CG-3, 4' Curb
  - S'd Curb Ramp CG-12 Type A Req'd

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



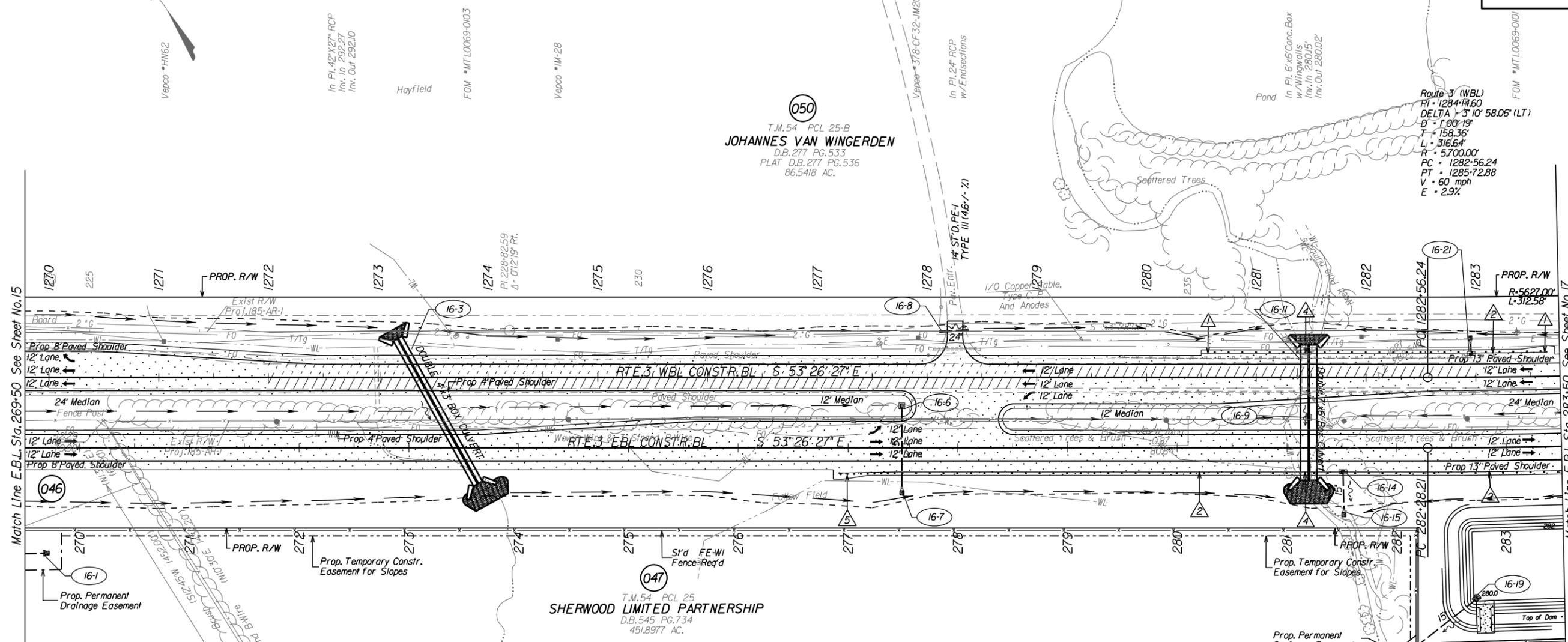
PROJECT MANAGER: Harold Jones (1540) 829-7320  
SURVEYED BY: Michael Mouco, L.S. (1540) 829-7551  
DESIGN SUPERVISED BY: \_\_\_\_\_  
DESIGNED BY: \_\_\_\_\_

REVISED	STATE		PROJECT	SHEET NO.
	VA.	ROUTE 3		
			0003-023-107, PE-101, RW-201, C-501	16

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

**CONCEPTUAL ROADWAY PLANS**  
SEPT. 10, 2013

VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)	VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)
---	---



Match Line E.B.L. Sta. 269+50 See Sheet No. 15

Match Line E.B.L. Sta. 283+50 See Sheet No. 17

046  
T.M. 54 PCL 08  
**RHODA BROWN CARTER**  
W.B. 127 PG. 523  
PLAT D.B. 104 PG. 436  
1.61 AC.

045  
T.M. 54 PCL 20  
**RHODA BROWN CARTER**  
W.B. 127 PG. 523  
PLAT D.B. 123 PG. 346  
45.10 AC. (Assessment)

047  
T.M. 54 PCL 25  
**SHERWOOD LIMITED PARTNERSHIP**  
D.B. 545 PG. 734  
451.8977 AC.

- LEGEND**
- 1 St'd Guardrail Terminal GR-11 Req'd
  - 2 St'd Guardrail GR-2 Req'd
  - 3 St'd Guardrail Terminal GR-7, NCHRP 350 Req'd
  - 4 St'd Guardrail GR-10 Req'd
  - 5 St'd Guardrail Terminal GR-9 Req'd
  - 6 St'd Radial Guardrail GR-2 Req'd
  - 7 St'd MC-3B, Asphalt Curb and Asphalt Concrete Curb Backup Material Req'd
  - 8 St'd MS-2, Raised Grass Median Strip Req'd
  - 9 St'd MS-1A, Solid Concrete Raised Median Strip Req'd
  - 10 St'd Radial CG-7, Combination 4' Curb and Gutter
  - 11 St'd CG-7, Combination 4' Curb and Gutter
  - 12 St'd Radial CG-3, 4' Curb
  - 13 St'd Curb Ramp CG-12 Type A Req'd

- Denotes Proposed Pavement
- Denotes Mill and Overlay of Existing Pavement
- Denotes Demolition of Pavement
- Denotes Proposed Concrete Emergency Spillway
- Denotes Graded V-Ditch
- Denotes Construction Limits In Cuts
- Denotes Construction Limits In Fills

Note: Figures in brackets and dot-dashed lines denote Permanent Easements.  
Note: Figures in parenthesis and dot-dot-dashed lines denote Temporary Easements.

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

Route 3 (EBL)  
PI - 283+88.35  
DELTA - 3' 10" 58.06' (LT)  
D - 0' 59' 39"  
T - 160J4'  
L - 320J9'  
R - 5764.00'  
PC - 282+28.21  
PT - 285+48.40  
V - 60 mph  
E - 2.9%



PROJECT MANAGER: Harold Jones (1540) 829:7320  
SURVEYED BY: Michael Mouco, L.S. (1540) 829:7551  
DESIGN SUPERVISED BY: \_\_\_\_\_  
DESIGNED BY: \_\_\_\_\_

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	3	0003-023-107, PE-101, RW-201, C-501	17

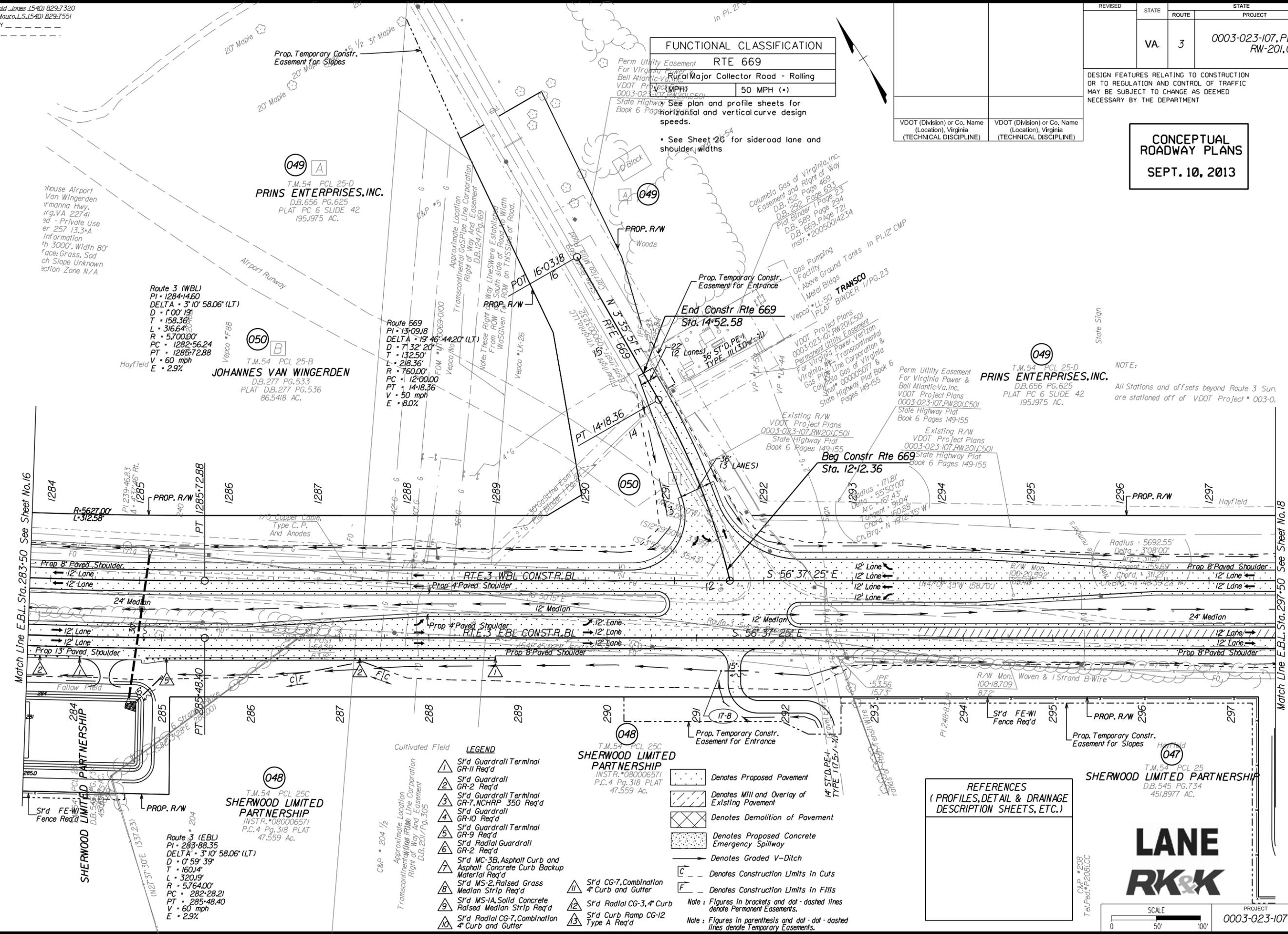
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

**CONCEPTUAL ROADWAY PLANS**  
SEPT. 10, 2013

VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)	VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)
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FUNCTIONAL CLASSIFICATION	
RTE 669	
Rural Major Collector Road - Rolling	
VDOT Project Plans 0003-023-107, RW-201, C-501	50 MPH (+)

See plan and profile sheets for horizontal and vertical curve design speeds.  
• See Sheet 26 for sideroad lane and shoulder widths



House Airport Van Wingerden yrmanna Hwy. Virginia, VA 22741 - Private Use - Information - 257 133-A - 3000'. Width 80' - Grass, Sod - Slope Unknown - Action Zone N/A

Route 3 (WBL)  
PI = 1284+14.60  
DELTA = 3° 10' 58.06" (LT)  
D = 100' 19"  
T = 158.36'  
L = 316.64'  
R = 57000'  
PC = 1282+56.24  
PT = 1285+72.88  
V = 60 mph  
E = 2.9%

T.M. 54 PCL 25-B  
JOHANNES VAN WINGERDEN  
D.B. 277 PG. 533  
PLAT PC 6 SLIDE 42  
86.5418 AC.

Route 669  
PI = 13+09.18  
DELTA = 19° 46' 44.20" (LT)  
D = 732' 20"  
T = 132.50'  
L = 218.36'  
R = 760.00'  
PC = 12+00.00  
PT = 14+18.36  
V = 50 mph  
E = 8.0%

T.M. 54 PCL 25-D  
PRINS ENTERPRISES, INC.  
D.B. 656 PG. 625  
PLAT PC 6 SLIDE 42  
195.1975 AC.

T.M. 54 PCL 25C  
SHERWOOD LIMITED PARTNERSHIP  
INSTR. \*080006571  
P.C. 4 Pg. 318 PLAT 47.559 AC.

T.M. 54 PCL 25C  
SHERWOOD LIMITED PARTNERSHIP  
INSTR. \*080006571  
P.C. 4 Pg. 318 PLAT 47.559 AC.

T.M. 54 PCL 25  
SHERWOOD LIMITED PARTNERSHIP  
D.B. 545 PG. 734  
451.8977 AC.

- LEGEND**
- ▲ S'd Guardrail Terminal GR-II Req'd
  - ▲ S'd Guardrail GR-2 Req'd
  - ▲ S'd Guardrail Terminal GR-7, NCHRP 350 Req'd
  - ▲ S'd Guardrail GR-10 Req'd
  - ▲ S'd Guardrail Terminal GR-9 Req'd
  - ▲ S'd Radial Guardrail GR-2 Req'd
  - ▲ S'd MC-3B, Asphalt Curb and Asphalt Concrete Curb Backup Material Req'd
  - ▲ S'd MS-2, Raised Grass Median Strip Req'd
  - ▲ S'd MS-1A, Solid Concrete Raised Median Strip Req'd
  - ▲ S'd Radial CG-7, Combination 4' Curb and Gutter
  - ▲ S'd CG-7, Combination 4' Curb and Gutter
  - ▲ S'd Radial CG-3, 4' Curb
  - ▲ S'd Curb Ramp CG-12 Type A Req'd

- ▨ Denotes Proposed Pavement
  - ▨ Denotes Mill and Overlay of Existing Pavement
  - ▨ Denotes Demolition of Pavement
  - ▨ Denotes Proposed Concrete Emergency Spillway
  - Denotes Graded V-Ditch
  - ┌┐ Denotes Construction Limits In Cuts
  - └└ Denotes Construction Limits In Fills
- Note: Figures in brackets and dot - dashed lines denote Permanent Easements.  
Note: Figures in parenthesis and dot - dot - dashed lines denote Temporary Easements.

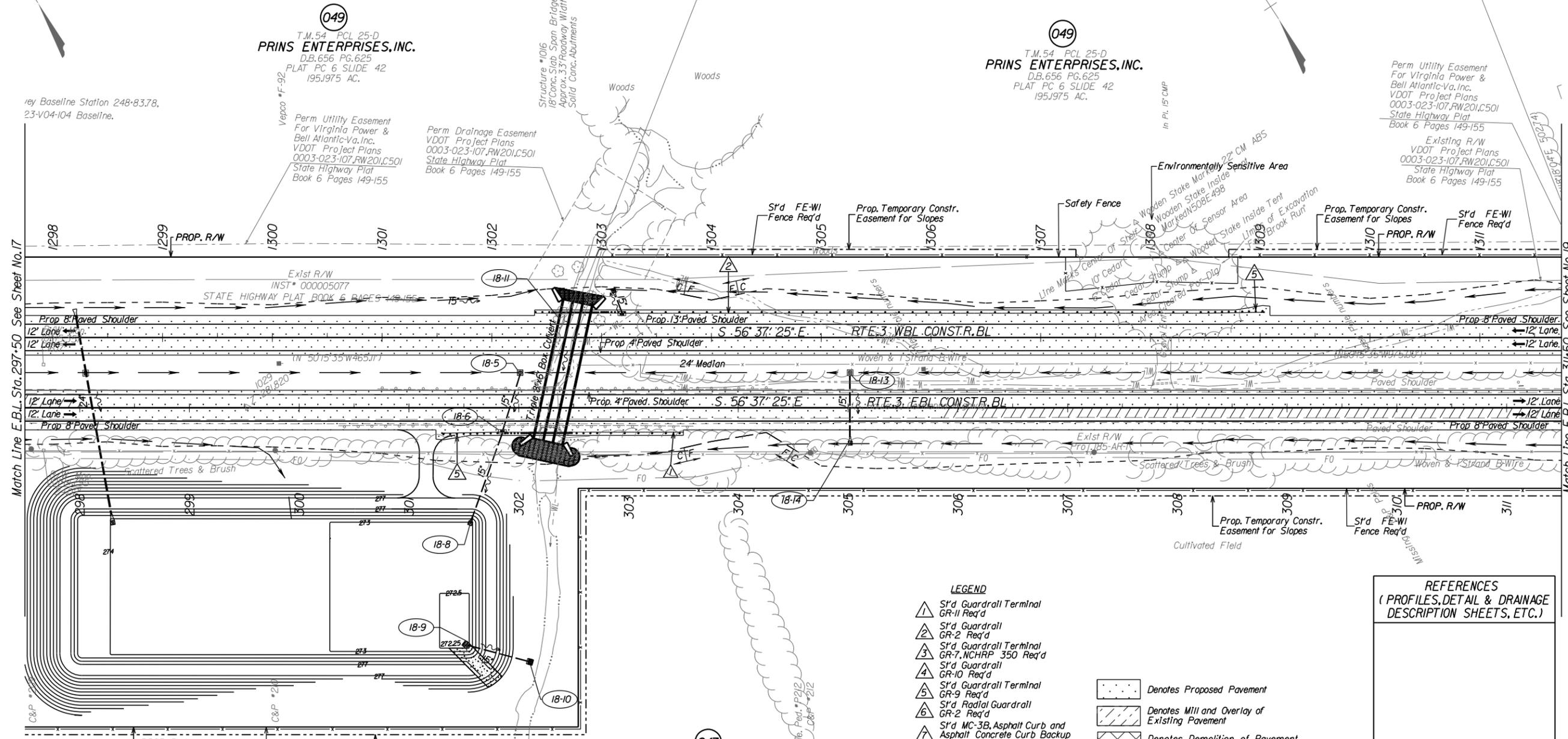
**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)



PROJECT MANAGER: Harold Jones (1540) 829-7320  
SURVEYED BY: Michael Mouco, L.S. (1540) 829-7551  
DESIGN SUPERVISED BY: \_\_\_\_\_  
DESIGNED BY: \_\_\_\_\_

REVISED	STATE		SHEET NO.
	ROUTE	PROJECT	
	VA.	3	0003-023-107, PE-101, RW-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			
VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)		VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)	

**CONCEPTUAL ROADWAY PLANS**  
SEPT. 10, 2013



Match Line E.B.L. Sta. 297+50 See Sheet No. 17

Match Line E.B.L. Sta. 311+50 See Sheet No. 19

**LEGEND**

- 1) S'd Guardrail Terminal GR-11 Req'd
- 2) S'd Guardrail GR-2 Req'd
- 3) S'd Guardrail Terminal GR-7, NCHRP 350 Req'd
- 4) S'd Guardrail GR-10 Req'd
- 5) S'd Guardrail Terminal GR-9 Req'd
- 6) S'd Radial Guardrail GR-2 Req'd
- 7) S'd MC-3B, Asphalt Curb and Asphalt Concrete Curb Backup Material Req'd
- 8) S'd MS-2, Raised Grass Median Strip Req'd
- 9) S'd MS-1A, Solid Concrete Raised Median Strip Req'd
- 10) S'd Radial CG-7, Combination 4' Curb and Gutter
- 11) S'd CG-7, Combination 4' Curb and Gutter
- 12) S'd Radial CG-3, 4' Curb
- 13) S'd Curb Ramp CG-12 Type A Req'd

- [Pattern] Denotes Proposed Pavement
- [Pattern] Denotes Mill and Overlay of Existing Pavement
- [Pattern] Denotes Demolition of Pavement
- [Pattern] Denotes Proposed Concrete Emergency Spillway
- [Symbol] Denotes Graded V-Ditch
- [Symbol] Denotes Construction Limits In Cuts
- [Symbol] Denotes Construction Limits In Fills

Note: Figures in brackets and dot-dashed lines denote Permanent Easements.  
Note: Figures in parenthesis and dot-dot-dashed lines denote Temporary Easements.

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

**047**  
T.M. 54 PCL 25  
**SHERWOOD LIMITED PARTNERSHIP**  
D.B. 545 PG. 734  
451.8977 AC.

**049**  
T.M. 54 PCL 25-D  
**PRINS ENTERPRISES, INC.**  
D.B. 656 PG. 625  
PLAT PC 6 SLIDE 42  
195.1975 AC.

**049**  
T.M. 54 PCL 25-D  
**PRINS ENTERPRISES, INC.**  
D.B. 656 PG. 625  
PLAT PC 6 SLIDE 42  
195.1975 AC.

Perm Utility Easement For Virginia Power & Bell Atlantic-Va. Inc. VDOT Project Plans 0003-023-107, RW201, C501 State Highway Plat Book 6 Pages 149-155

Existing R/W VDOT Project Plans 0003-023-107, RW201, C501 State Highway Plat Book 6 Pages 149-155



9:16:45 AM  
 PROJECT MANAGER: Harold Jones (1540) 829:7320  
 SURVEYED BY: Michael Mouco, L.S. (1540) 829:7551  
 DESIGN SUPERVISED BY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_

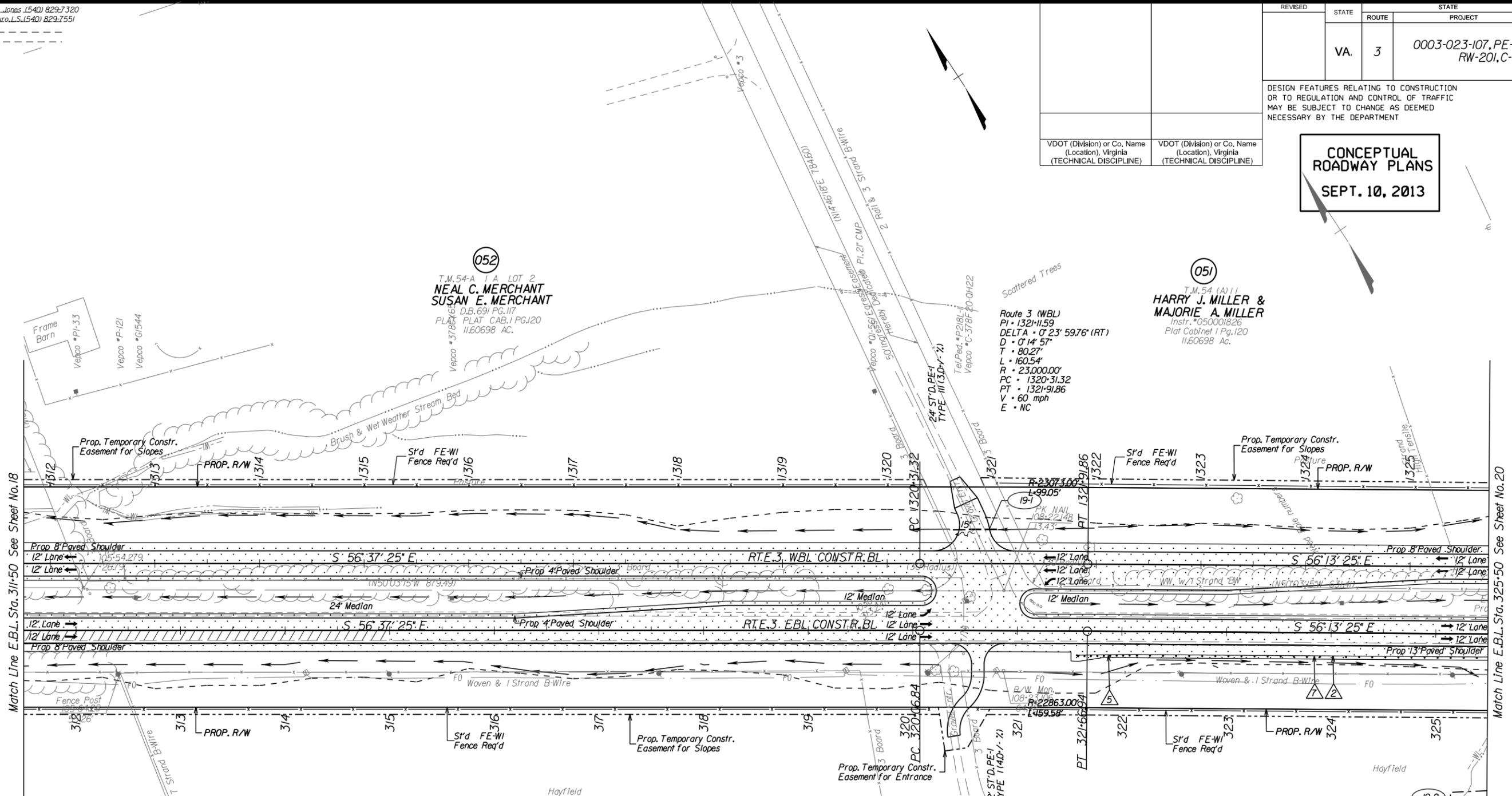
Plotted By: localuser

REVISED	STATE		PROJECT	SHEET NO.
	VA.	ROUTE		
	VA.	3	0003-023-107, PE-101, RW-201, C-501	19

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

**CONCEPTUAL ROADWAY PLANS**  
 SEPT. 10, 2013

VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)	VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)
---	---



052  
 T.M. 54-A 1A LOT 2  
**NEAL C. MERCHANT**  
**SUSAN E. MERCHANT**  
 D.B. 691 PG. 117  
 PLAT. CAB. 1 PG. 120  
 11,606.98 AC.

051  
 T.M. 54 (A) 11  
**HARRY J. MILLER & MAJORIE A. MILLER**  
 Instr. #050001826  
 Plat Cabinet 1 Pg. 120  
 11,606.98 AC.

053  
 T.M. 54 PCL 27  
**WALTER E. JOHNSTON, Jr.**  
 INSTR. #10000218 Will  
 69,722.8 AC.

047  
 T.M. 54 PCL 25  
**SHERWOOD LIMITED PARTNERSHIP**  
 D.B. 545 PG. 734  
 451,897.7 AC.

- LEGEND**
- 1) S'd Guardrail Terminal GR-11 Req'd
  - 2) S'd Guardrail GR-2 Req'd
  - 3) S'd Guardrail Terminal GR-7, NCHRP 350 Req'd
  - 4) S'd Guardrail GR-10 Req'd
  - 5) S'd Guardrail Terminal GR-9 Req'd
  - 6) S'd Radial Guardrail GR-2 Req'd
  - 7) S'd MC-3B, Asphalt Curb and Asphalt Concrete Curb Backup Material Req'd
  - 8) S'd MS-2, Raised Grass Median Strip Req'd
  - 9) S'd MS-1A, Solid Concrete Raised Median Strip Req'd
  - 10) S'd Radial CG-7, Combination 4' Curb and Gutter
  - 11) S'd CG-7, Combination 4' Curb and Gutter
  - 12) S'd Radial CG-3, 4' Curb
  - 13) S'd Curb Ramp CG-12 Type A Req'd

- [Pattern] Denotes Proposed Pavement
  - [Pattern] Denotes Mill and Overlay of Existing Pavement
  - [Pattern] Denotes Demolition of Pavement
  - [Pattern] Denotes Proposed Concrete Emergency Spillway
  - [Symbol] Denotes Graded V-Ditch
  - [Symbol] Denotes Construction Limits In Cuts
  - [Symbol] Denotes Construction Limits In Fills
- Note: Figures in brackets and dot - dashed lines denote Permanent Easements.  
 Note: Figures in parenthesis and dot - dot - dashed lines denote Temporary Easements.

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

SCALE 0 50' 100'	PROJECT 0003-023-107	SHEET NO. 19
---------------------	-------------------------	-----------------

**LANE**  
**RK&K**

PROJECT MANAGER: Harold Jones (1540) 829-7320  
SURVEYED BY: Michael Mouco, L.S. (1540) 829-7551  
DESIGN SUPERVISED BY: \_\_\_\_\_  
DESIGNED BY: \_\_\_\_\_

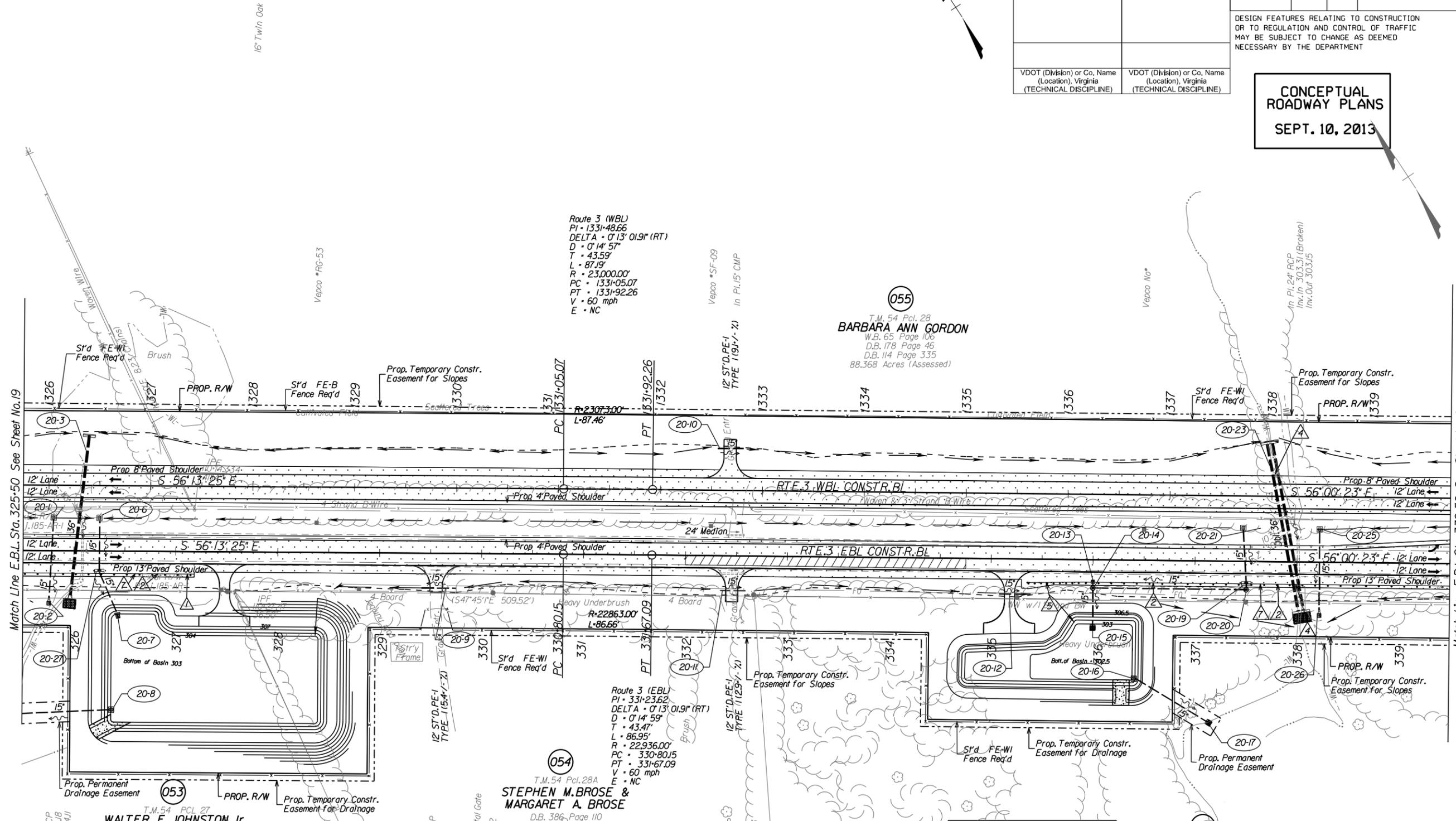
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107, PE-101, RW-201, C-501	20

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

**CONCEPTUAL ROADWAY PLANS**  
SEPT. 10, 2013

VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)

VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)



Route 3 (WBL)  
 PI = 1331+48.66  
 DELTA = 0°13'01.9" (RT)  
 D = 0°14'57"  
 T = 43.59'  
 L = 87.19'  
 R = 23,000.00'  
 PC = 1331+05.07  
 PT = 1331+92.26  
 V = 60 mph  
 E = NC

055  
 T.M. 54 Pcl. 28  
**BARBARA ANN GORDON**  
 W.B. 65 Page 106  
 D.B. 178 Page 46  
 D.B. 114 Page 335  
 88.368 Acres (Assessed)

054  
 T.M. 54 Pcl. 28A  
**STEPHEN M. BROSE & MARGARET A. BROSE**  
 D.B. 386 Page 110  
 D.B. 547 Page 246  
 Plat Binder 2 Page 74  
 Plat Cabinet 4 Page 157  
 25.3392 Acres

T.M. 54 PCL 27  
**WALTER E. JOHNSTON, Jr.**  
 INSTR. 100000218 WITH  
 69.7228 Ac.

T.M. 54 Pcl. 28  
**BARBARA ANN GORDON**  
 W.B. 65 Page 106  
 D.B. 178 Page 46  
 D.B. 114 Page 335  
 88.368 Acres (Assessed)

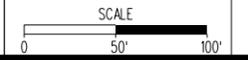
- LEGEND**
- 1 S'd Guardrail Terminal GR-II Req'd
  - 2 S'd Guardrail GR-2 Req'd
  - 3 S'd Guardrail Terminal GR-7, NCHRP 350 Req'd
  - 4 S'd Guardrail GR-10 Req'd
  - 5 S'd Guardrail Terminal GR-9 Req'd
  - 6 S'd Radial Guardrail GR-2 Req'd
  - 7 S'd MC-3B, Asphalt Curb and Asphalt Concrete Curb Backup Material Req'd
  - 8 S'd MS-2, Raised Grass Median Strip Req'd
  - 9 S'd MS-1A, Solid Concrete Raised Median Strip Req'd
  - 10 S'd Radial CG-7, Combination 4" Curb and Gutter
  - 11 S'd CG-7, Combination 4" Curb and Gutter
  - 12 S'd Radial CG-3, 4" Curb
  - 13 S'd Curb Ramp CG-12 Type A Req'd

- 14 S'd MC-3B, Asphalt Curb and Asphalt Concrete Curb Backup Material Req'd
- 15 S'd MS-2, Raised Grass Median Strip Req'd
- 16 S'd MS-1A, Solid Concrete Raised Median Strip Req'd
- 17 S'd Radial CG-7, Combination 4" Curb and Gutter
- 18 S'd CG-7, Combination 4" Curb and Gutter
- 19 S'd Radial CG-3, 4" Curb
- 20 S'd Curb Ramp CG-12 Type A Req'd

- Denotes Proposed Pavement
- Denotes Mill and Overlay of Existing Pavement
- Denotes Demolition of Pavement
- Denotes Proposed Concrete Emergency Spillway
- Denotes Graded V-Ditch
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

Note: Figures in brackets and dot - dashed lines denote Permanent Easements.  
 Note: Figures in parenthesis and dot - dot - dashed lines denote Temporary Easements.

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



PROJECT	0003-023-107	SHEET NO.	20
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Match Line E.B.L. Sta. 325+50 See Sheet No. 19

Match Line E.B.L. Sta. 339+50 See Sheet No. 21

PROJECT MANAGER: Harold Jones (1540) 829-7320  
SURVEYED BY: Michael Mouco, L.S. (1540) 829-7551  
DESIGN SUPERVISED BY: \_\_\_\_\_  
DESIGNED BY: \_\_\_\_\_

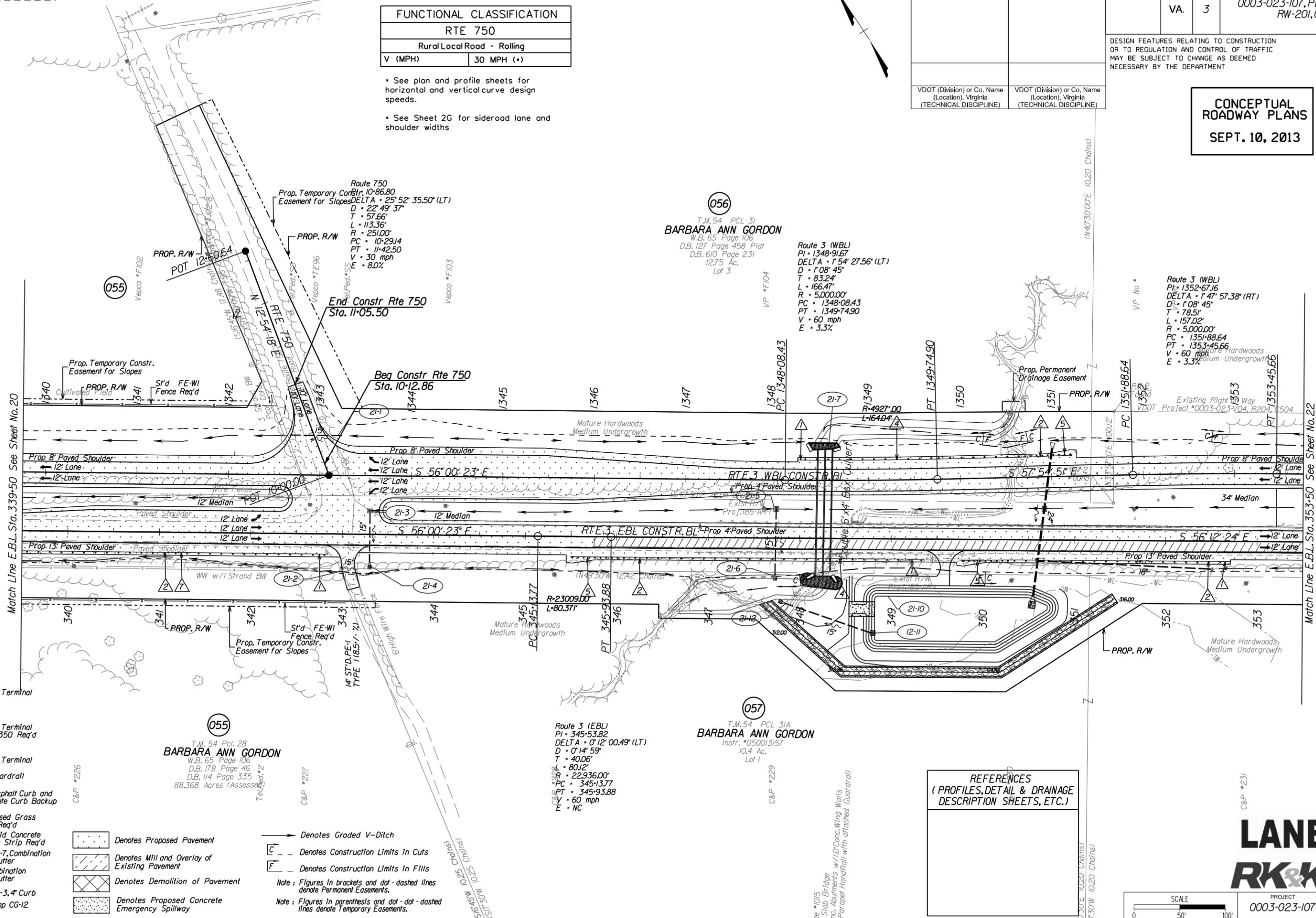
FUNCTIONAL CLASSIFICATION	
RTE 750	
Rural Local Road - Rolling	
V (MPH)	30 MPH (+)

- See plan and profile sheets for horizontal and vertical curve design speeds.
- See Sheet 2G for sideroad lane and shoulder widths

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107, PE-101, RW-201, C-501	21

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

**CONCEPTUAL ROADWAY PLANS**  
SEPT. 10, 2013



- LEGEND**
- ▲ S'd Guardrail Terminal GR-11 Req'd
  - ▲ S'd Guardrail GR-2 Req'd
  - ▲ S'd Guardrail Terminal GR-7, NCHRP 350 Req'd
  - ▲ S'd Guardrail GR-10 Req'd
  - ▲ S'd Guardrail Terminal GR-9 Req'd
  - ▲ S'd Radial Guardrail GR-2 Req'd
  - ▲ S'd MC-3B, Asphalt Curb and Asphalt Concrete Curb Backup Material Req'd
  - ▲ S'd MS-2, Raised Grass Median Strip Req'd
  - ▲ S'd MS-1A, Solid Concrete Raised Median Strip Req'd
  - ▲ S'd Radial CG-7, Combination 4' Curb and Gutter
  - ▲ S'd CG-7, Combination 4' Curb and Gutter
  - ▲ S'd Radial CG-3, 4' Curb
  - ▲ S'd Curb Ramp CG-12 Type A Req'd

- ▨ Denotes Proposed Pavement
- ▨ Denotes Mill and Overlay of Existing Pavement
- ▨ Denotes Demolition of Pavement
- ▨ Denotes Proposed Concrete Emergency Spillway

- Denotes Graded V-Ditch
  - ┌┐ Denotes Construction Limits In Cuts
  - └└ Denotes Construction Limits In Fills
- Note: Figures in brackets and dot-dashed lines denote Permanent Easements.  
Note: Figures in parenthesis and dot-dot-dashed lines denote Temporary Easements.

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



**055**  
T.M. 54 Pcl. 28  
**BARBARA ANN GORDON**  
W.B. 65 Page 106  
D.B. 178 Page 46  
D.B. 114 Page 335  
88.368 Acres (Assessed)

**056**  
T.M. 54 PCL 31  
**BARBARA ANN GORDON**  
W.B. 65 Page 106  
D.B. 127 Page 458 Plat  
D.B. 610 Page 231  
12.75 Ac.  
Lot 3

**057**  
T.M. 54 PCL 31A  
**BARBARA ANN GORDON**  
Instr. \*050013157  
10.4 Ac.  
Lot 1

**Route 3 (EBL)**  
PI = 345-53.82  
DELTA = 0° 12' 00.49" (LT)  
D = 0' 14' 59"  
T = 40.06'  
L = 80.12'  
R = 22,936.00'  
PC = 345-13.77  
PT = 345-93.88  
V = 60 mph  
E = NC

**Route 3 (WBL)**  
PI = 1348-91.67  
DELTA = 1° 54' 27.56" (LT)  
D = 1° 08' 45"  
T = 83.24'  
L = 166.47'  
R = 5,000.00'  
PC = 1348-08.43  
PT = 1349-74.90  
V = 60 mph  
E = 3.3%

**Route 3 (WBL)**  
PI = 1352-67.16  
DELTA = 1° 47' 57.38" (RT)  
D = 1° 08' 45"  
T = 78.51'  
L = 157.02'  
R = 5,000.00'  
PC = 1351-88.64  
PT = 1353-45.66  
V = 60 mph  
E = 3.3%

PROJECT MANAGER: Harold Jones (LS40) 829-7320  
SURVEYED BY: Michael Mouco, L.S. (LS40) 829-7551  
DESIGN SUPERVISED BY: \_\_\_\_\_  
DESIGNED BY: \_\_\_\_\_

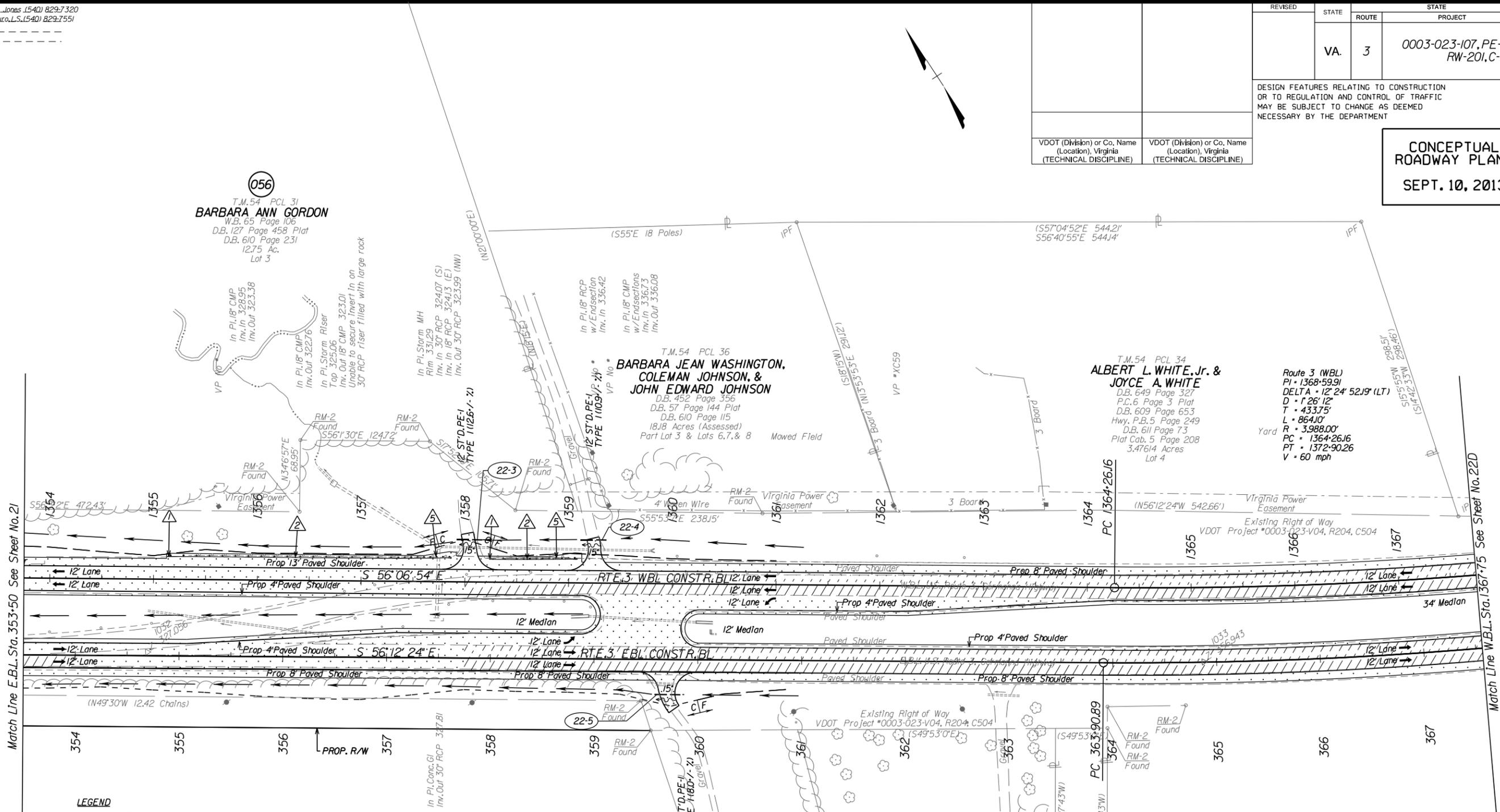
REVISED	STATE		SHEET NO.
	ROUTE	PROJECT	
	VA.	3	0003-023-107, PE-101, RW-201, C-501

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

### CONCEPTUAL ROADWAY PLANS

SEPT. 10, 2013

VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)	VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)
---	---



Match Line E.B.L. Sta. 353+50 See Sheet No. 21

Match Line W.B.L. Sta. 1367+75 See Sheet No. 22D

- LEGEND**
- ▲ S'd Guardrail Terminal GR-II Req'd
  - ▲ S'd Guardrail GR-2 Req'd
  - ▲ S'd Guardrail Terminal GR-7, NCHRP 350 Req'd
  - ▲ S'd Guardrail GR-10 Req'd
  - ▲ S'd Guardrail Terminal GR-9 Req'd
  - ▲ S'd Radial Guardrail GR-2 Req'd
  - ▲ S'd MC-3B, Asphalt Curb and Asphalt Concrete Curb Backup Material Req'd
  - ▲ S'd MS-2, Raised Grass Median Strip Req'd
  - ▲ S'd MS-1A, Solid Concrete Raised Median Strip Req'd
  - ▲ S'd Radial CG-7, Combination 4' Curb and Gutter
  - ▲ S'd CG-7, Combination 4' Curb and Gutter
  - ▲ S'd Radial CG-3, 4' Curb
  - ▲ S'd Curb Ramp CG-12 Type A Req'd

- ◻ Denotes Proposed Pavement
- ◻ Denotes Mill and Overlay of Existing Pavement
- ◻ Denotes Demolition of Pavement
- ◻ Denotes Proposed Concrete Emergency Spillway

- Denotes Graded V-Ditch
  - C — Denotes Construction Limits in Cuts
  - F — Denotes Construction Limits in Fills
- Note: Figures in brackets and dot-dashed lines denote Permanent Easements.  
Note: Figures in parenthesis and dot-dot-dashed lines denote Temporary Easements.

(058)  
T.M. 54 PCL 31A  
**BARBARA ANN GORDON**  
Instr. #050013157  
14.3 Ac.  
Lot 2

(056)  
T.M. 54 PCL 31  
**BARBARA ANN GORDON**  
W.B. 65 Page 106  
D.B. 127 Page 458 Plat  
D.B. 610 Page 231  
12.75 Ac.  
Lot 3

T.M. 54 PCL 36  
**BARBARA JEAN WASHINGTON, COLEMAN JOHNSON, & JOHN EDWARD JOHNSON**  
D.B. 452 Page 356  
D.B. 57 Page 144 Plat  
D.B. 610 Page 115  
18.18 Acres (Assessed)  
Part Lot 3 & Lots 6, 7, & 8  
Mowed Field

T.M. 54 PCL 34  
**ALBERT L. WHITE, Jr. & JOYCE A. WHITE**  
D.B. 649 Page 327  
P.C. 6 Page 3 Plat  
D.B. 609 Page 653  
Hwy. P.B. 5 Page 249  
D.B. 611 Page 73  
Plat Cab. 5 Page 208  
3.47614 Acres  
Lot 4

Route 3 (WBL)  
P1 = 1368+59.91  
DELTA = 12' 24' 52.19" (LT)  
D = 1' 26' 12"  
T = 433.75'  
L = 864.10'  
R = 3,988.00'  
PC = 1364+26.16  
PT = 1372+90.26  
V = 60 mph

T.M. 54 PCL 32  
**RAY M. BENNETT**  
D.B. 297 Page 289  
Plat Binder 6 Page 80  
D.B. 617 Page 751  
Hwy. P.B. 6 Page 39 & 40  
3.9140 Acres

T.M. 54 PCL 36A  
**BARBARA JEAN WASHINGTON, COLEMAN JOHNSON, & JOHN EDWARD JOHNSON**  
D.B. 452 Page 356  
D.B. 57 Page 144 Plat  
D.B. 610 Page 115  
18.18 Acres (Assessed)  
Part Lot 3 & Lots 6, 7, & 8

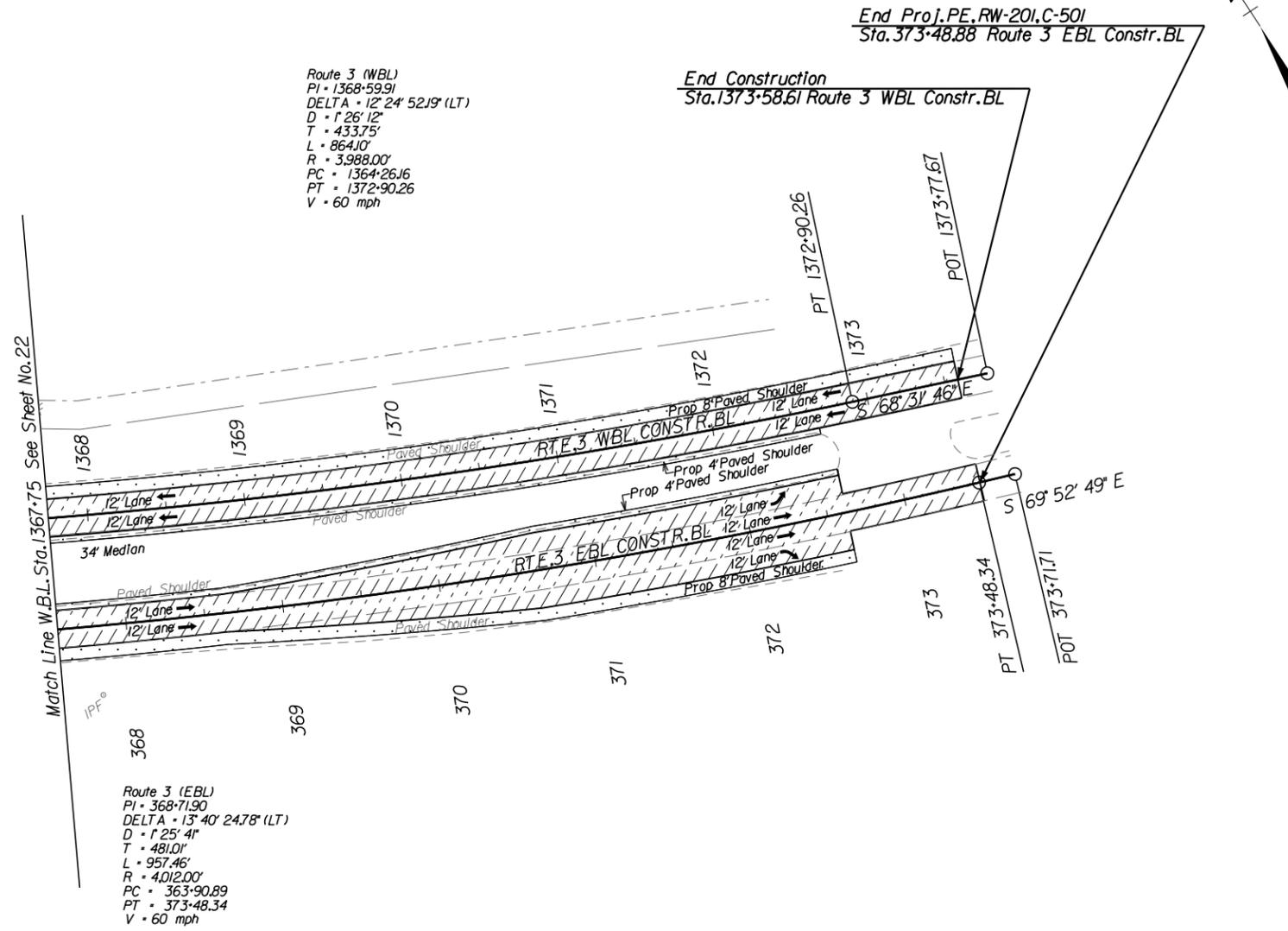
**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)



PROJECT MANAGER: Harold Jones (1540) 829-7320  
SURVEYED BY: Michael Mouco, L.S. (1540) 829-7551  
DESIGN SUPERVISED BY: \_\_\_\_\_  
DESIGNED BY: \_\_\_\_\_

REVISED	STATE		SHEET NO.
	ROUTE	PROJECT	
	VA.	3	0003-023-107, PE-101, RW-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			
VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)		VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)	

**CONCEPTUAL ROADWAY PLANS**  
SEPT. 10, 2013



- LEGEND**
- ▲ S'd Guardrail Terminal GR-II Req'd
  - ▲ S'd Guardrail GR-2 Req'd
  - ▲ S'd Guardrail Terminal GR-7, NCHRP 350 Req'd
  - ▲ S'd Guardrail GR-10 Req'd
  - ▲ S'd Guardrail Terminal GR-9 Req'd
  - ▲ S'd Radial Guardrail GR-2 Req'd
  - ▲ S'd MC-3B, Asphalt Curb and Asphalt Concrete Curb Backup Material Req'd
  - ▲ S'd MS-2, Raised Grass Median Strip Req'd
  - ▲ S'd MS-1A, Solid Concrete Raised Median Strip Req'd
  - ▲ S'd Radial CG-7, Combination 4' Curb and Gutter
  - ▲ S'd CG-7, Combination 4' Curb and Gutter
  - ▲ S'd Radial CG-3, 4' Curb
  - ▲ S'd Curb Ramp CG-12 Type A Req'd

- ▨ Denotes Proposed Pavement
  - ▨ Denotes Mill and Overlay of Existing Pavement
  - ▨ Denotes Demolition of Pavement
  - ▨ Denotes Proposed Concrete Emergency Spillway
  - Denotes Graded V-Ditch
  - C — Denotes Construction Limits in Cuts
  - F — Denotes Construction Limits in Fills
- Note: Figures in brackets and dot-dashed lines denote Permanent Easements.  
Note: Figures in parenthesis and dot-dot-dashed lines denote Temporary Easements.

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

