

# Letter of Submittal

A DESIGN BUILD PROJECT

## Greenview Drive Widening

**From: Hermitage Road (Route 1541)**

**To: 0.2 Miles South of Leesville Road (Route 682)**

**City of Lynchburg and Campbell County, Virginia**

State Project No.: U000-118-259, R201, C501

Federal Project No.: STP-5118(235)

Contract ID Number: C00106320DB79

Submitted To:



Submitted by:



In Association With:

CLARK♦NEXSEN

**ATTACHMENT 4.0.1.1**

**GREENVIEW DRIVE WIDENING**

**TECHNICAL PROPOSAL CHECKLIST AND CONTENTS**

Offerors shall furnish a copy of this Technical Proposal Checklist, with the page references added, with the Technical Proposal.

<b>Technical Proposal Component</b>	<b>Form (if any)</b>	<b>RFP Part 1 Cross Reference</b>	<b>Page Reference</b>
<b>Technical Proposal Checklist and Contents</b>	Attachment 4.0.1.1	Section 4.0.1.1	<i>iv-ii</i>
<b>Acknowledgement of RFP, Revisions, and/or Addenda</b>	Attachment 3.6 (Form C-78-RFP)	Sections 3.6, 4.0.1.1	<i>iii</i>
<b>Letter of Submittal</b>			
Letter of Submittal on Offeror's letterhead	NA	Sections 4.1	
Offeror's official representative information	NA	Section 4.1.1	<i>1-2</i>
Authorized representative's original signature	NA	Section 4.1.1	<i>1</i>
Declaration of intent	NA	Section 4.1.1	<i>2</i>
120 day declaration	NA	Section 4.1.2	<i>1</i>
Point of Contact information	NA	Section 4.1.3	<i>1</i>
Principal Officer information	NA	Section 4.1.4	<i>1</i>
Final Completion Date	NA	Section 4.1.5	<i>1</i>
Proposal Payment Agreement or Waiver of Proposal Payment	NA	Section 4.1.6	<i>2</i>
Certification Regarding Debarment Forms	Attachment 9.3.1 or 9.3.2	Section 4.1.7	<i>3-6</i>
Written statement of percent DBE participation	Attachment 11.8.6(a) Attachment 11.8.6(b)	Section 4.1.8	<i>7-14</i>
	NA	Section 4.1.9	<i>2</i>
<b>Attachments to the Letter of Submittal</b>			
	NA	Section 4.2	

ATTACHMENT 4.0.1.1

GREENVIEW DRIVE WIDENING

TECHNICAL PROPOSAL CHECKLIST AND CONTENTS

Technical Proposal Component	Form (if any)	RFP Part 1 Cross Reference	Page Reference
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	15
Organizational chart with any updates since the SOQ submittal clearly identified	NA	Section 4.2.1	16
Revised narrative when organizational chart includes updates since the SOQ submittal	NA	Section 4.2.1	17
Conceptual Roadway Plans – Plan View	NA	Section 4.2.2	18-33
Conceptual Roadway Plans – Typical Sections	NA	Section 4.2.2	34-35
Proposal Schedule	NA	Section 4.2.3	36-40
Proposal Schedule Narrative	NA	Section 4.2.3	41-48
Proposal Schedule in electronic format (CD or DVD-Rom)	NA	Section 4.2.3	49

**ATTACHMENT 3.6****COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

RFP NO. C0016320DB79  
 PROJECT NO.: U000-118-259, 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 September 11, 2014 – RFP  
(Date)
2. Cover letter of October 28, 2014 – Addendum #1  
(Date)
3. Cover letter of \_\_\_\_\_  
(Date)

 _____ SIGNATURE	<u>11/10/2014</u> _____ DATE
<u>Nate Orders</u> _____ PRINTED NAME	<u>President</u> _____ TITLE



CONSTRUCTION COMPANY

**Main Office**  
Post Office Box 1448  
Saint Albans, WV 25177  
Tel 304 722-4237  
Fax 304 722-4230

**Virginia Office**  
605 Lethia Road  
Wytheville, VA 24382  
Tel 276 227-0378  
Fax 276 223-0134

[www.ordersconstruction.com](http://www.ordersconstruction.com)

November 10, 2014

Kevin Reichert, P.E.  
Virginia Department of Transportation  
1401 East Broad Street  
Annex Building, 8<sup>th</sup> Floor  
Richmond, VA 23219

RE: Greenview Drive Widening, Project No. C00106320DB79

Mr. Reichert:

Orders Construction Company, Inc. offers:

1. 4.1.2 Orders will if selected enter into a contract with VDOT for the project in accordance with terms in the RFP.
2. 4.1.3 Pursuant to Part I Section 8.2 Orders Construction Co., Inc. declares that the offer represented by the proposal will remain in full force and effect for one hundred twenty days after the date the letter of submittal and attachments are actually submitted to VDOT.
3. 4.1.4 Nathaniel Orders  
President  
501 Sixth Ave.  
St. Albans, WV 25177  
Phone – 304-722-4237  
Fax – 304-722-4230  
Email – [nateo@ordersconstruction.com](mailto:nateo@ordersconstruction.com)

Mr. Orders will serve as Point of Contact for Orders Construction Co., Inc.

4. 4.1.5 Nathaniel Orders  
President  
501 Sixth Ave.  
St. Albans, WV 25177  
Phone – 304-722-4237

Will as President serve as Principal Office for Orders Construction Co. Inc.



5. 4.1.6 Orders Construction Co., Inc. proposes July 25, 2017 as the Final Completion Date.
6. 4.1.9 This statement serves that Orders Construction Co., Inc. is committed to achieving or exceeding a 7% DBE Participation goal for the entire value of the contract.

Sincerely,

  
Nathaniel Orders  
President

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

**THIS PROPOSAL PAYMENT AGREEMENT** (this "Agreement") is made and entered into as of this 10 day of November, 2014, by and between the Virginia Department of Transportation ("VDOT"), and Oders Construction Co. ("Offeror").

**WITNESSETH:**

**WHEREAS**, Offeror is one of the entities who submitted Statements of Qualifications ("SOQs") pursuant to VDOT's **June 30, 2014** Request for Qualifications ("RFQ") and was invited to submit proposals in response to a Request for Proposals ("RFP") for the **Greenview Drive Widening, Project No. U000-118-259** ("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]*

By: Nathaniel R. Orders

Name: Nathaniel R. Orders

Title: President



ATTACHMENT NO. 11.8.6(b)

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project: U000-118-259  
Contract ID: C00106320DB79

- 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 form.

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

11/09/2014

Date

Principal

Title

Clark Nexsen, Inc.

Name of Firm



ATTACHMENT NO. 11.8.6(b)

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project: U000-118-259  
Contract ID: C00106320DB79

- 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.
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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 Title

11/10/14  
VICE PRESIDENT

ECS MID. ATLANTIC, LLC  
Name of Firm

ATTACHMENT NO. 11.8.6(b)

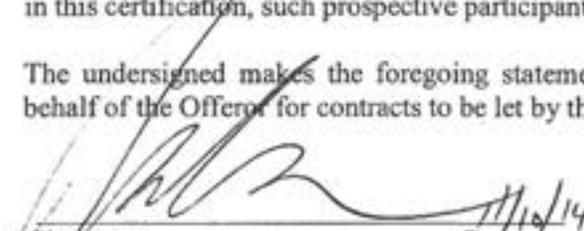
**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

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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

  
Brian L. Cassman, PE

Date

11/10/14

Title

DIRECTOR OF ENGINEERING

Name of Firm

HURT + PROFIT, INC.

ATTACHMENT NO. 11.8.6(b)

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project: U000-118-259  
Contract ID: C00106320DB79

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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.

	11/9/2014	President
Signature	Date	Title

Hassan Water Resources, PLC

\_\_\_\_\_  
Name of Firm



ATTACHMENT NO. 11.8.6(b)

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project: U000-118-259  
Contract ID: C00106320DB79

- 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 form.

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.

*Donald J. Taylor*                      11/12/14                      *President*  
Signature                                      Date                                      Title

*Froehling & Robertson, Inc.*  
Name of Firm



**Main Office**  
Post Office Box 1448  
Saint Albans, WV 25177  
Tel 304 722-4237  
Fax 304 722-4230

**Virginia Office**  
605 Luthia Road  
Wytheville, VA 24382  
Tel 276 227-0378  
Fax 276 223-0134

**CONSTRUCTION COMPANY**

[www.ordersconstruction.com](http://www.ordersconstruction.com)

November 10, 2014

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

RE: Greenview Drive Widening, Project No. C00106320DB79

Mr. Reichert:

Please accept this letter stating that there have been no changes in the Organizational Chart nor Functional Relationship. Attached are the pages that were included in our Statement of Qualifications Submittal.

If you need any further information, please let me know.

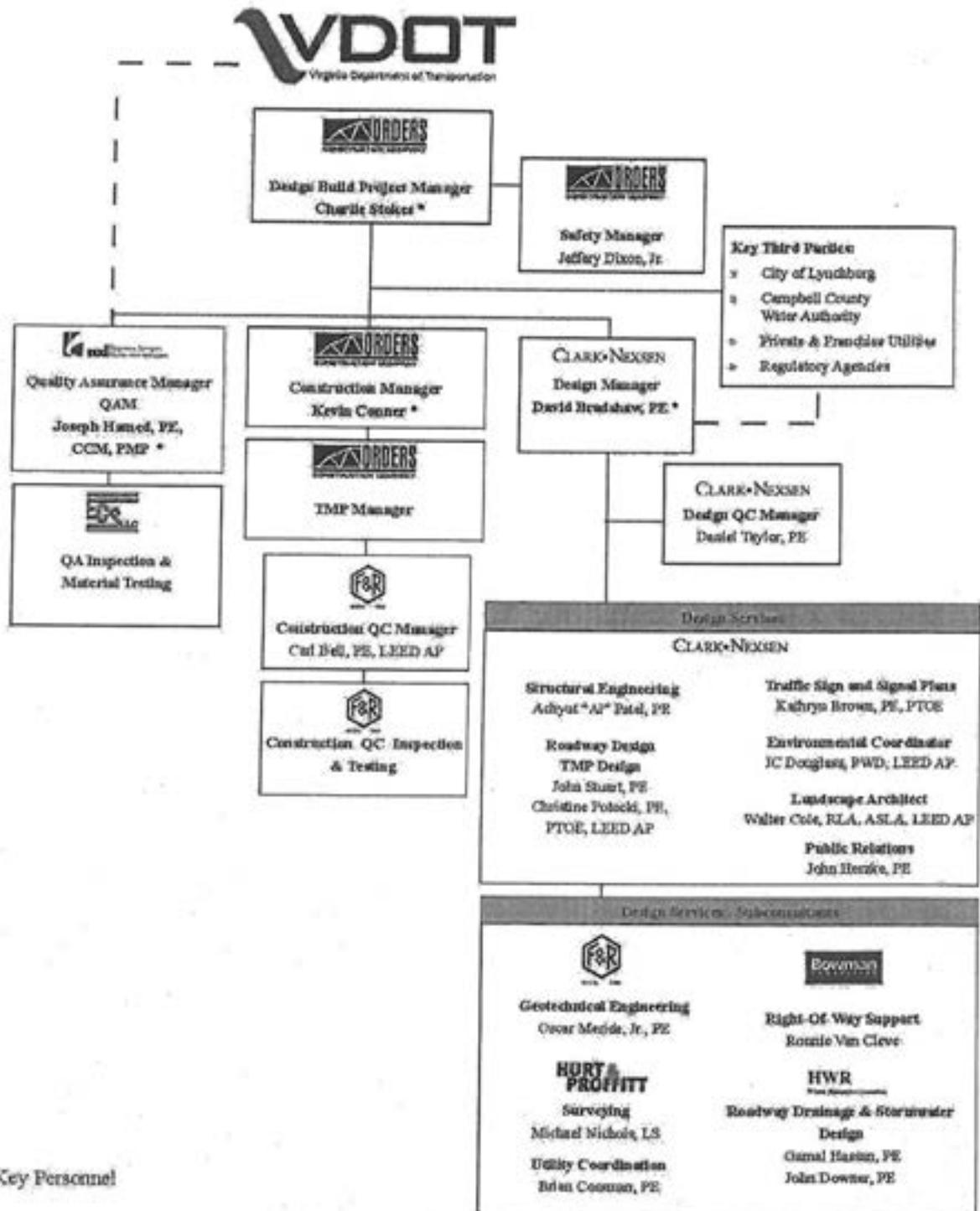
Sincerely,

A handwritten signature in blue ink that reads "Charlie Stokes".

Charlie Stokes



3.3.2 Organizational Chart



\* Key Personnel

Functional relationships between VDOT key personnel, project leaders and third parties are described on the following page.

**Functional Relationship**

Orders and Clark Nexsen are both experienced in developing and maintaining effective lines of communication within the project team. Both firms are very hands on and will facilitate the necessary input and guidance to optimize the project and see it to a successful completion. In order to prevent unnecessary project delays, it may sometimes be required that other members within the D-B Team communicate directly with their counterparts at VDOT, as directed and authorized in advance by both the D-B Project Manager and the VDOT Project Manager.

VDOT's Project Manager will coordinate directly with the Design-Build Project Manager (PM). He will also interact with the Quality Assurance manager (QAM) through VDOT's independent assurance and verification process.

The Design Build Project Manager (PM), Mr. Charlie Stokes will be VDOT's primary contact and will be in-charge of all phases of the project and is directly responsible to VDOT for the successful performance and delivery of this project. He will communicate between the D-B Team and VDOT, in order to maintain schedule, budget, and quality. The Design Manager (DM), Construction Manager (CM) and Quality Assurance Manager (QAM) will report directly to Mr. Stokes through the entire project. The Safety Manager Mr. Jeff Dixon will also report to the Design-Build Project Manager.

Design Manager (DM), Mr. Dave Bradshaw, PE will be responsible for the successful completion of quality design and construction documents as well as managing all of the sub-consultant services for this project. Communication protocols within the team will be set to allow Mr. Bradshaw to communicate with VDOT technical staff when required, and assure follow-up communication with the Design-Build Project Manager. He will also interact with CM and QAM. Design Quality Control Manager, Danny Taylor, P.E. will perform independent QC of all design work prior to all the submittals. He will communicate directly with the Design Manager Dave Bradshaw.

Construction Manager (CM), Mr. Kevin Conner will report directly to the PM and will be responsible for managing the construction process and all construction quality control activities. He will supervise the construction superintendents as well as coordinate all subcontractor work and construction quality control activities with the construction Quality Control Manager.

Quality Assurance Manager (QAM), Mr. Joe Hamed, PE will be responsible for the Quality Assurance program (QA) and will coordinate with VDOT, supervise project QA inspection staff and coordinate with QA testing agency. He will maintain conformance with the Contract Documents and will have the overall responsibility of the D-B QA/QC Plan. He will also interact with project DM and the QCM.

Construction Quality Control Manager (QCM), Carl P. Bell, PE will perform all construction QC work for the contractors and report directly to the CM.

Project Leaders (design services) will report directly to the DM and are responsible for their assigned disciplines. They will also interact with the construction team and the QAM through the DM as necessary.

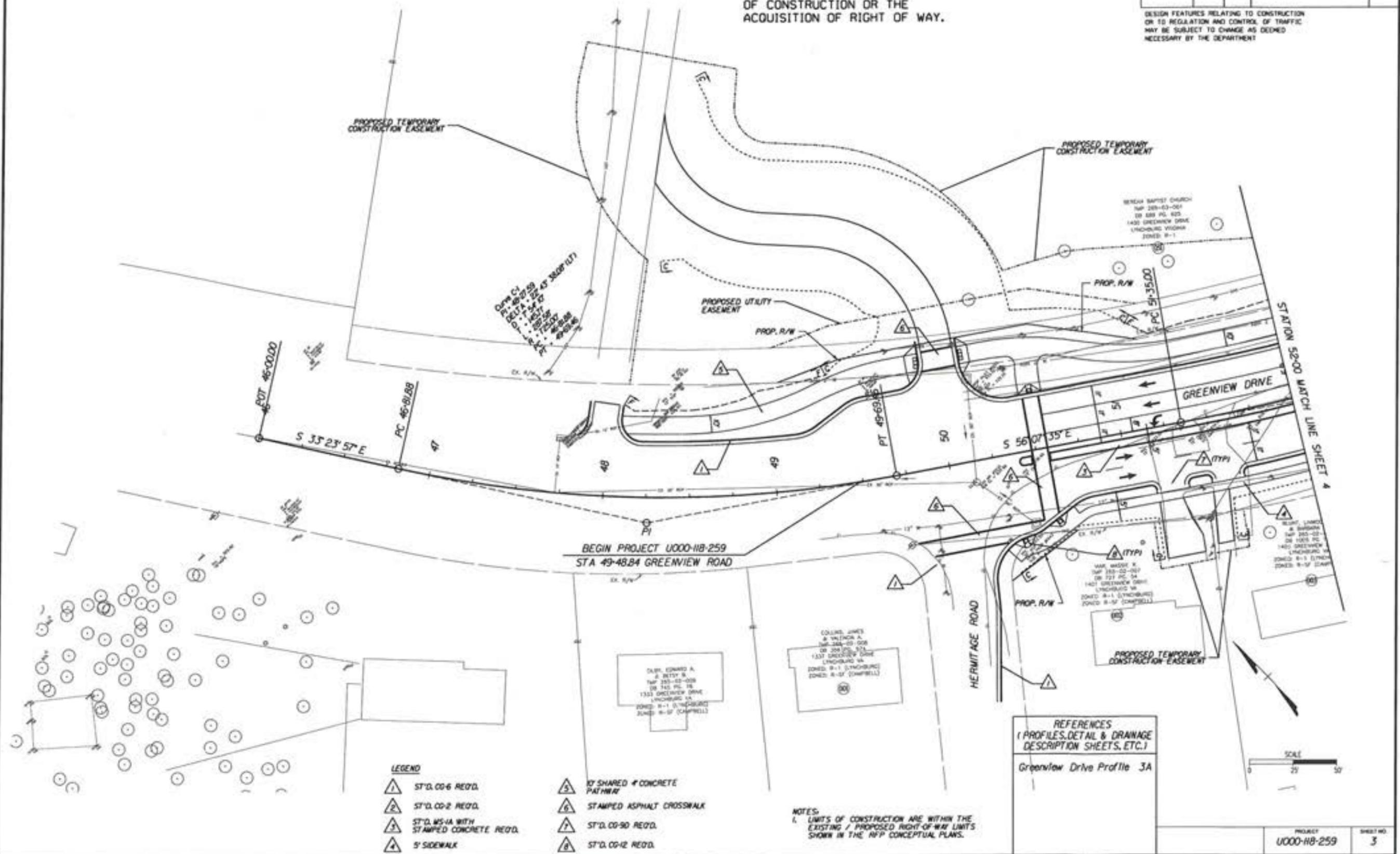
Key Third Parties will coordinate with the PM and VDOT, as required. They may also interact with other team members through the PM as necessary.

PROJECT MANAGER (Civil) [Name] (000) (00) (000) (00) (00) (00)  
 SURVEYED BY, DATE (Survey) [Name] (000) (00) (000) (00) (00) (00)  
 DESIGN BY (Design) [Name] (000) (00) (000) (00) (00) (00)  
 SUBSURFACE UTILITY BY, DATE (Survey) [Name] (000) (00) (000) (00) (00) (00)

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

REVISED	DATE	BY	PROJECT	SHEET NO.
	VA	6056	U000-118-259	3

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



- LEGEND**
- ▲ ST'D. CO-6 RECD.
  - ▲ ST'D. CO-2 RECD.
  - ▲ ST'D. WS-1A WITH STAMPED CONCRETE RECD.
  - ▲ 5' SIDEWALK
  - ▲ SHARED 4' CONCRETE PATHWAY
  - ▲ STAMPED ASPHALT CROSSWALK
  - ▲ ST'D. CO-90 RECD.
  - ▲ ST'D. CO-12 RECD.

**NOTES**  
 1. LIMITS OF CONSTRUCTION ARE WITHIN THE EXISTING / PROPOSED RIGHT-OF-WAY LIMITS SHOWN IN THE RFP CONCEPTUAL PLANS.

**REFERENCES**  
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)  
 Greenview Drive Profile 3A



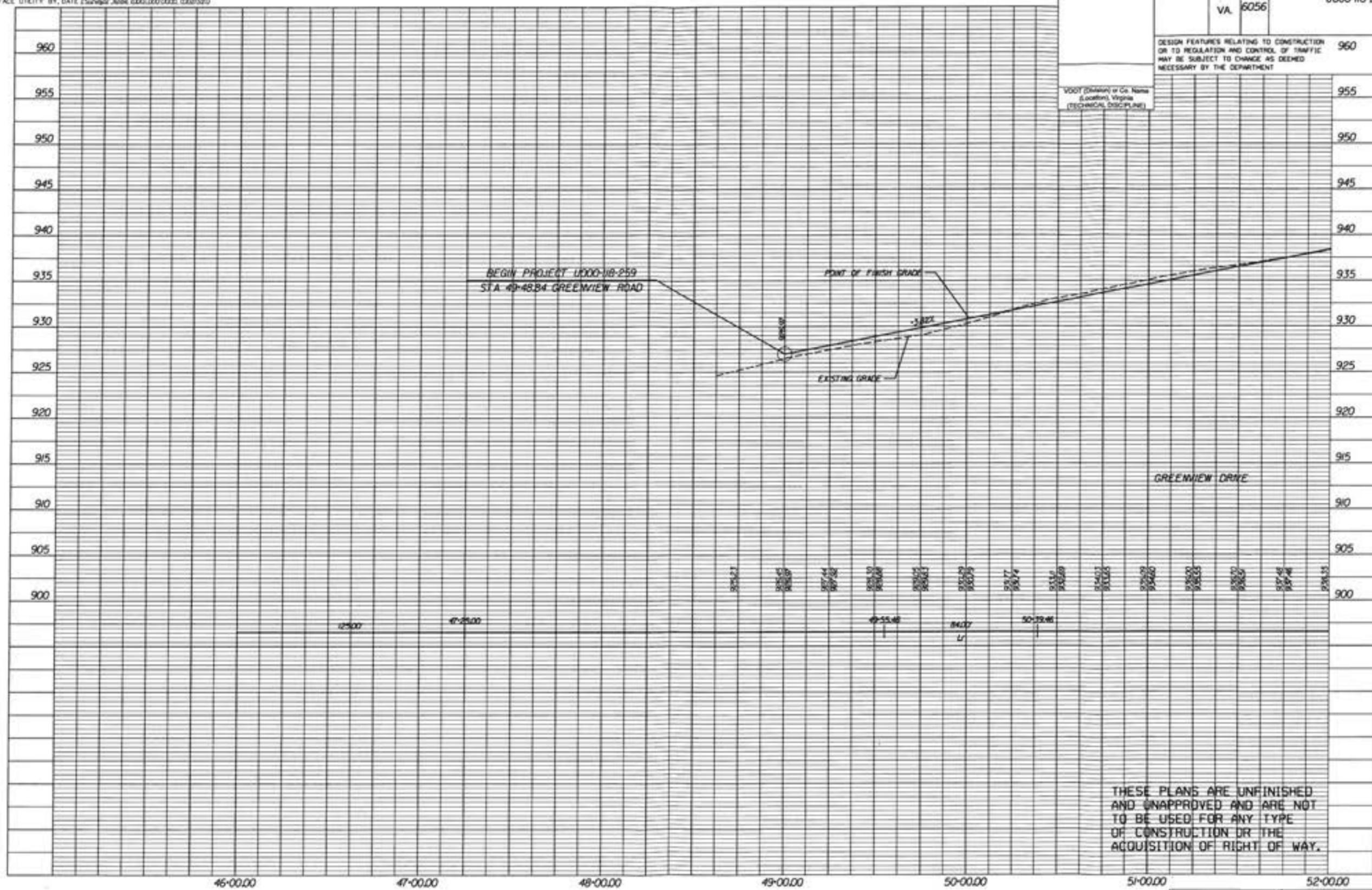
PROJECT	U000-118-259	SHEET NO.	3
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PROJECT MANAGER (Project Area 0001.000.0000) (02/28/2012) .....  
 SURVEYED BY, DATE (Survey Area 0001.000.0000) (02/28/2012) .....  
 DESIGN BY (Design Area 0001.010.0000) (02/28/2012) .....  
 SUBSURFACE UTILITY BY, DATE (Survey Area 0001.000.0000) (02/28/2012)

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA	6056		U000-118-259	3A

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)



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

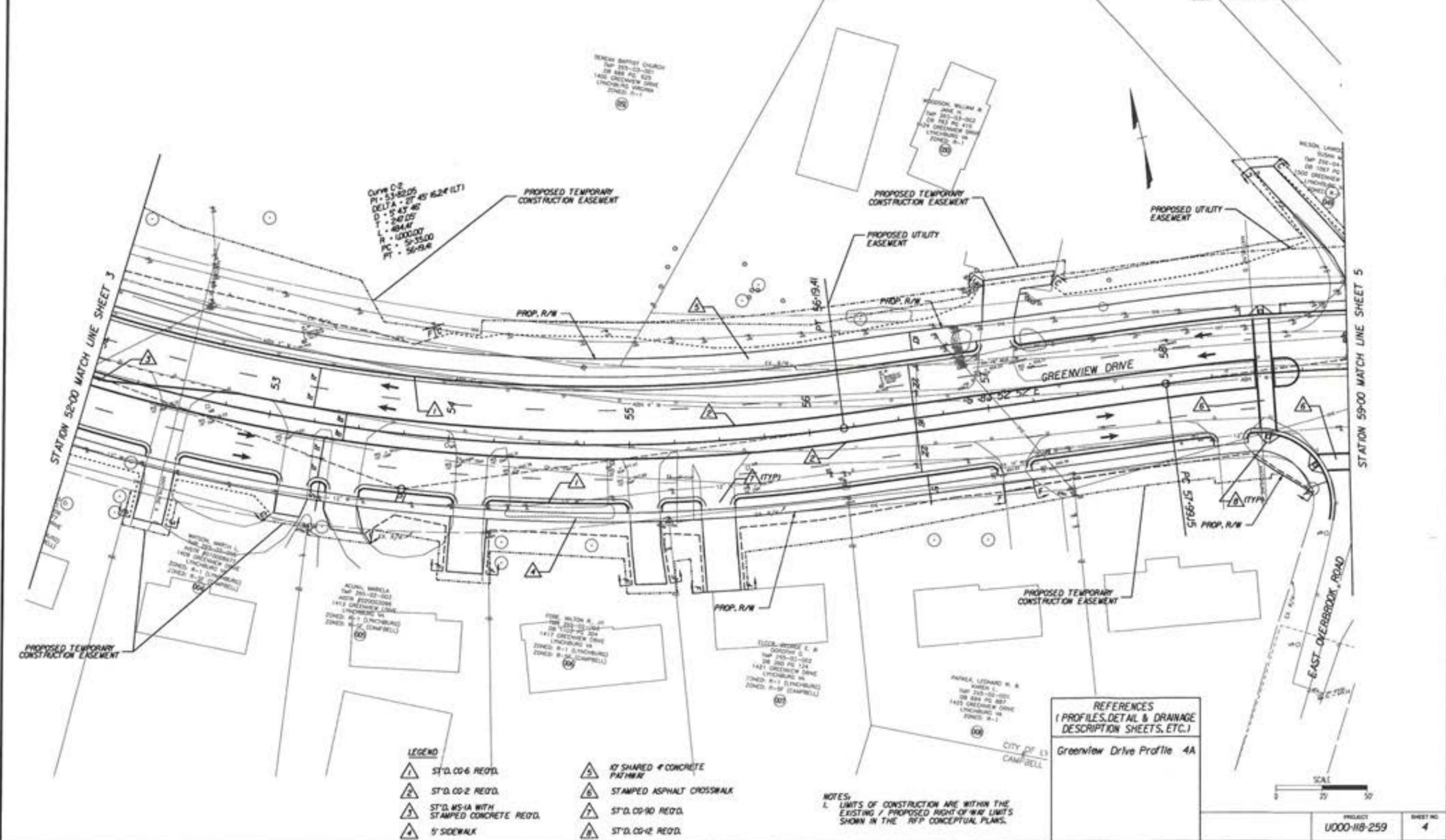
PROJECT	SHEET NO.
U000-118-259	3A

PROJECT MANAGER (Project Mgr. Name: 0001.000.0000.02661811)  
SURVEYED BY, DATE (Surveyor Name: 0001.000.0000.02661811)  
DESIGN BY (Designer Name: 0001.000.0000.02661811)  
SURFACE UTILITY BY, DATE (Surveyor Name: 0001.000.0000.02661811)

SHEET NO.	STATE		PROJECT	SHEET NO.
	VA	6056		
			U000-118-259	4

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

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



- LEGEND**
- ▲ ST'D. CO-6 REOD.
  - ▲ ST'D. CO-2 REOD.
  - ▲ ST'D. MS-1A WITH STAMPED CONCRETE REOD.
  - ▲ 5' SIDEWALK
  - ▲ 17 SHARED # CONCRETE PATHWAY
  - ▲ STAMPED ASPHALT CROSSWALK
  - ▲ ST'D. CO-90 REOD.
  - ▲ ST'D. CO-12 REOD.

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE  
DESCRIPTION SHEETS, ETC.)  
Greenview Drive Profile 4A

**NOTES:**  
1. LIMITS OF CONSTRUCTION ARE WITHIN THE  
EXISTING / PROPOSED RIGHT-OF-WAY LIMITS  
SHOWN IN THE RFP CONCEPTUAL PLANS.

PROJECT	SHEET NO.
U000-118-259	4

PROJECT MANAGER (Project Manager) (000,000,000) (000000)  
 SURVEYED BY, DATE (Surveyor Name) (000,000,000) (000000)  
 DESIGN BY (Designer Name) (000,000,000) (000000)  
 SUBSURFACE UTILITY BY, DATE (Surveyor Name) (000,000,000) (000000)

REVISION	DATE	BY	DESCRIPTION

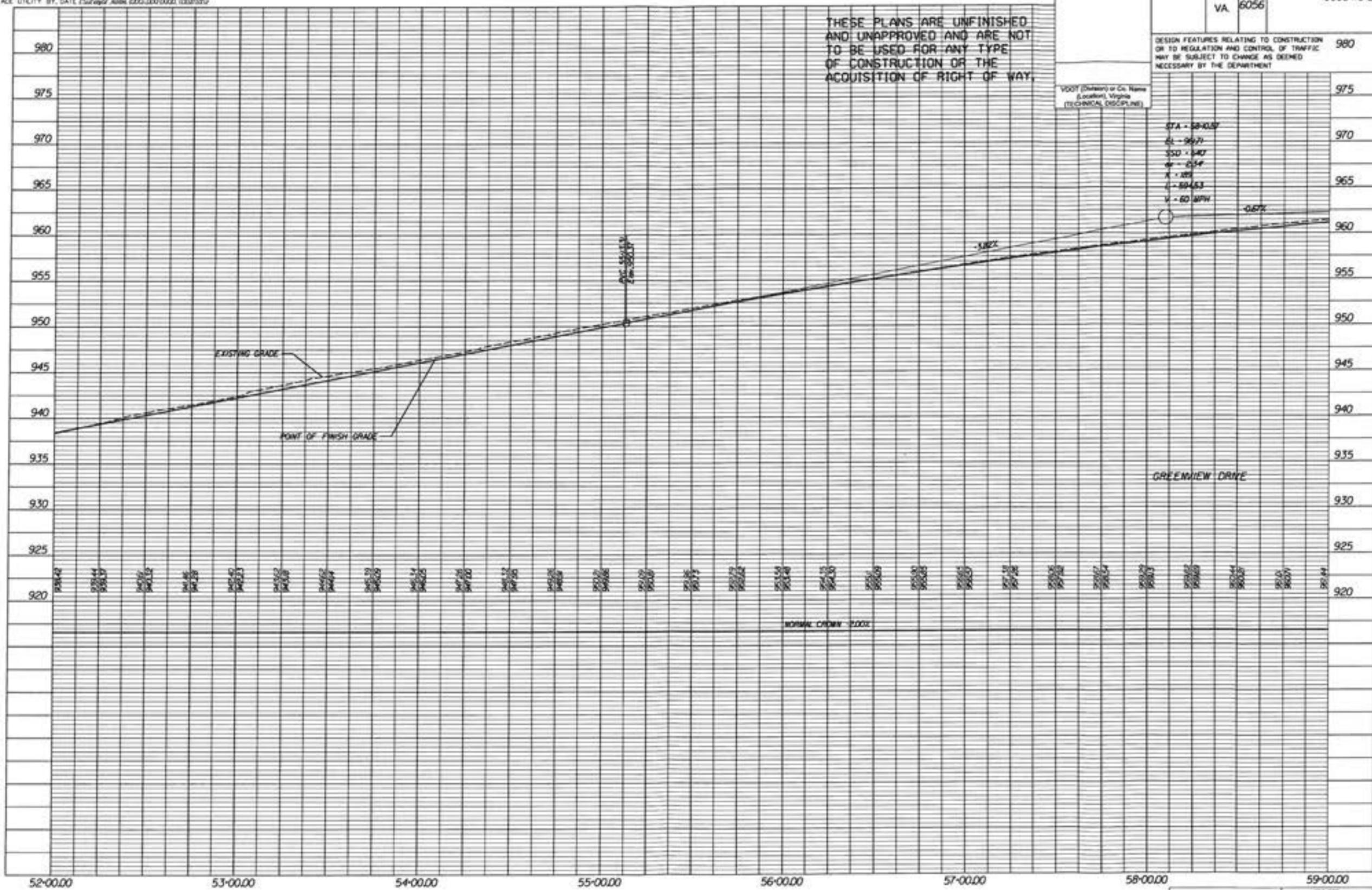
STATE	ROUTE	PROJECT	SHEET NO.
VA	6056	U000-118-259	4A

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

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

STA - 58+00.00  
 EL - 96.71  
 SSD - 540'  
 W - 0.34'  
 K - 100  
 L - 50+53  
 V - 60 MPH



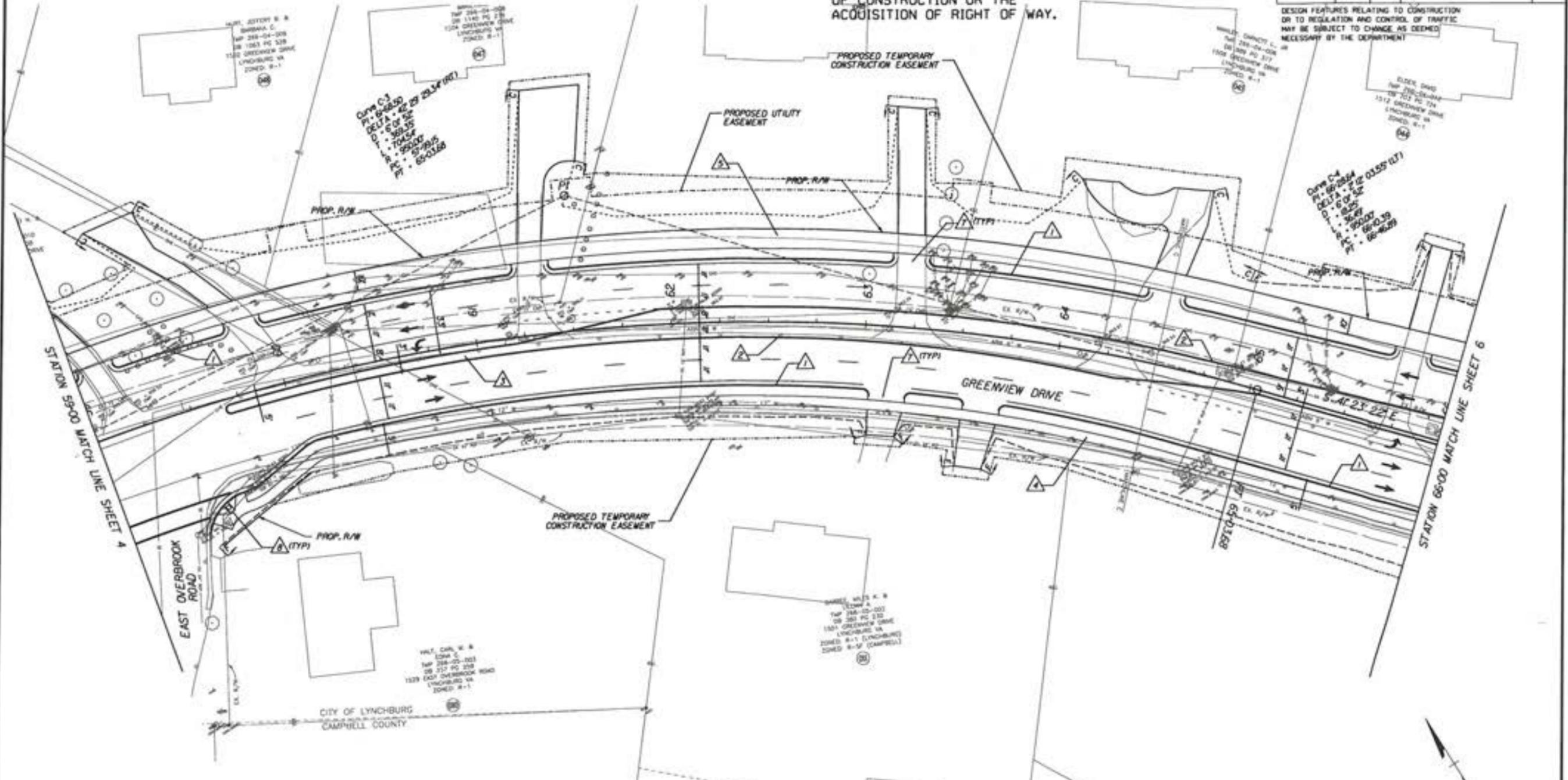
PROJECT	SHEET NO.
U000-118-259	4A

PROJECT MANAGER: [Redacted]  
 SURVEYED BY, DATE: [Redacted]  
 DESIGN BY: [Redacted]  
 SURFACE UTILITY BY, DATE: [Redacted]

STATE	ROUTE	PROJECT	SHEET NO.
VA	6056	U000-118-259	5

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

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



- LEGEND**
- ▲ ST'D. CO-6 REQ'D.
  - ▲ ST'D. CO-2 REQ'D.
  - ▲ ST'D. WS-1A WITH STAMPED CONCRETE REQ'D.
  - ▲ 5' SIDEWALK
  - ▲ SHARED # CONCRETE PATHWAY
  - ▲ STAMPED ASPHALT CROSSWALK
  - ▲ ST'D. CO-90 REQ'D.
  - ▲ ST'D. CO-12 REQ'D.

REFERENCES  
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)  
 Greenview Drive Profile 5A

NOTES:  
 L LIMITS OF CONSTRUCTION ARE WITHIN THE EXISTING / PROPOSED RIGHT-OF-WAY LIMITS SHOWN IN THE RFP CONCEPTUAL PLANS.



PROJECT	SHEET NO.
U000-118-259	5

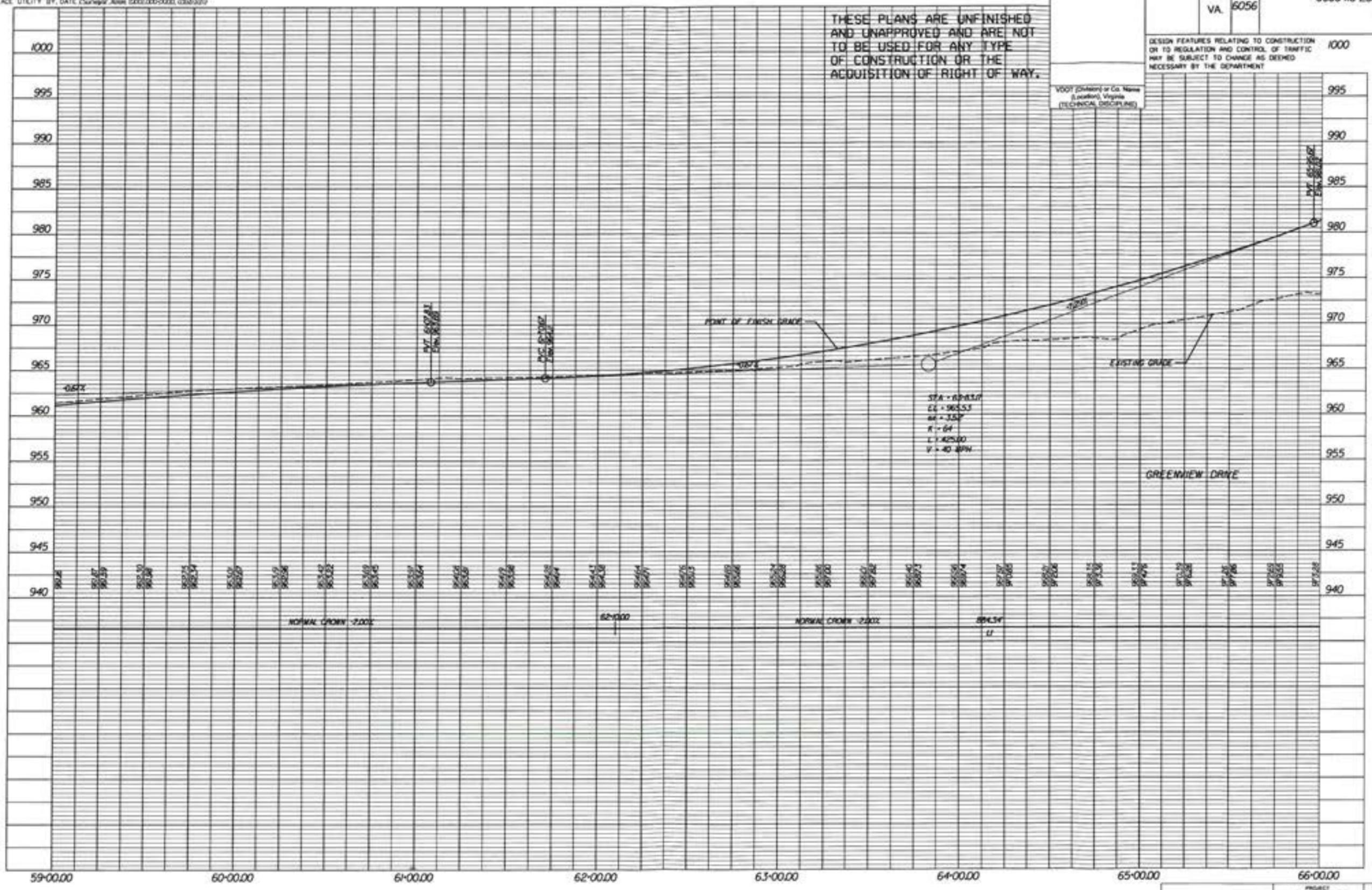
PROJECT MANAGER (Project Manager Name) (0000.000-0000) (00/00/00)  
 SURVEYED BY, DATE (Surveyor Name) (0000.000-0000) (00/00/00)  
 DESIGN BY (Designer Name) (0000.000-0000) (00/00/00)  
 SUBSURFACE UTILITY BY, DATE (Surveyor Name) (0000.000-0000) (00/00/00)

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA	6056		U000-118-259	5A

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

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

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



PROJECT	SHEET NO.
U000-118-259	5A

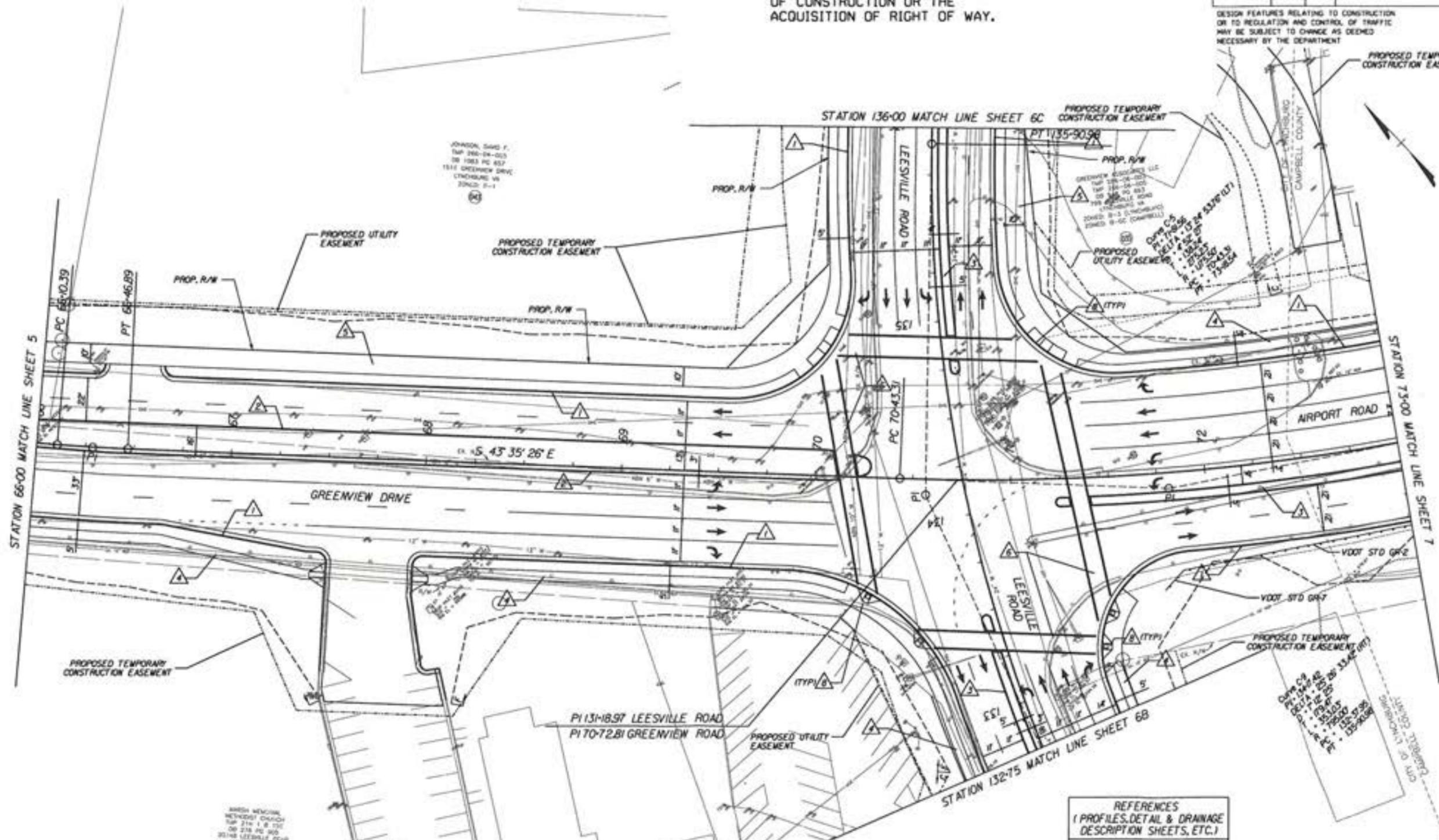
PROJECT: MARPOON (Proj. No. 0000-000-0000-0000)  
 SURVEYED BY, DATE: (Surveyor Name 0000-000-0000-0000)  
 DESIGN BY (Designer Name 0000-000-0000-0000)  
 SURFACE UTILITY BY, DATE: (Surveyor Name 0000-000-0000-0000)

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

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA	6056	U000-118-259	6

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

PROPOSED TEMPORARY CONSTRUCTION EASEMENT



STATION 66+00 MATCH LINE SHEET 5

STATION 136+00 MATCH LINE SHEET 6C

STATION 75+00 MATCH LINE SHEET 7

STATION 132+75 MATCH LINE SHEET 6B

- LEGEND**
- ▲ ST'D. CO-6 REOD.
  - ▲ ST'D. CO-2 REOD.
  - ▲ ST'D. WS-1A WITH STAMPED CONCRETE REOD.
  - ▲ 5' SIDEWALK
  - ▲ 4' SHARED 4' CONCRETE PATHWAY
  - ▲ STAMPED ASPHALT CROSSWALK
  - ▲ ST'D. CO-9D REOD.
  - ▲ ST'D. CO-12 REOD.

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

- Greenview Drive Profile 6A
- Airport Road Profile 6A
- Leesville Road Profile 6D, 6E

**NOTES:**  
 1. LIMITS OF CONSTRUCTION ARE WITHIN THE EXISTING / PROPOSED RIGHT-OF-WAY LIMITS SHOWN IN THE RFP CONCEPTUAL PLANS.



PROJECT	SHEET NO.
U000-118-259	6

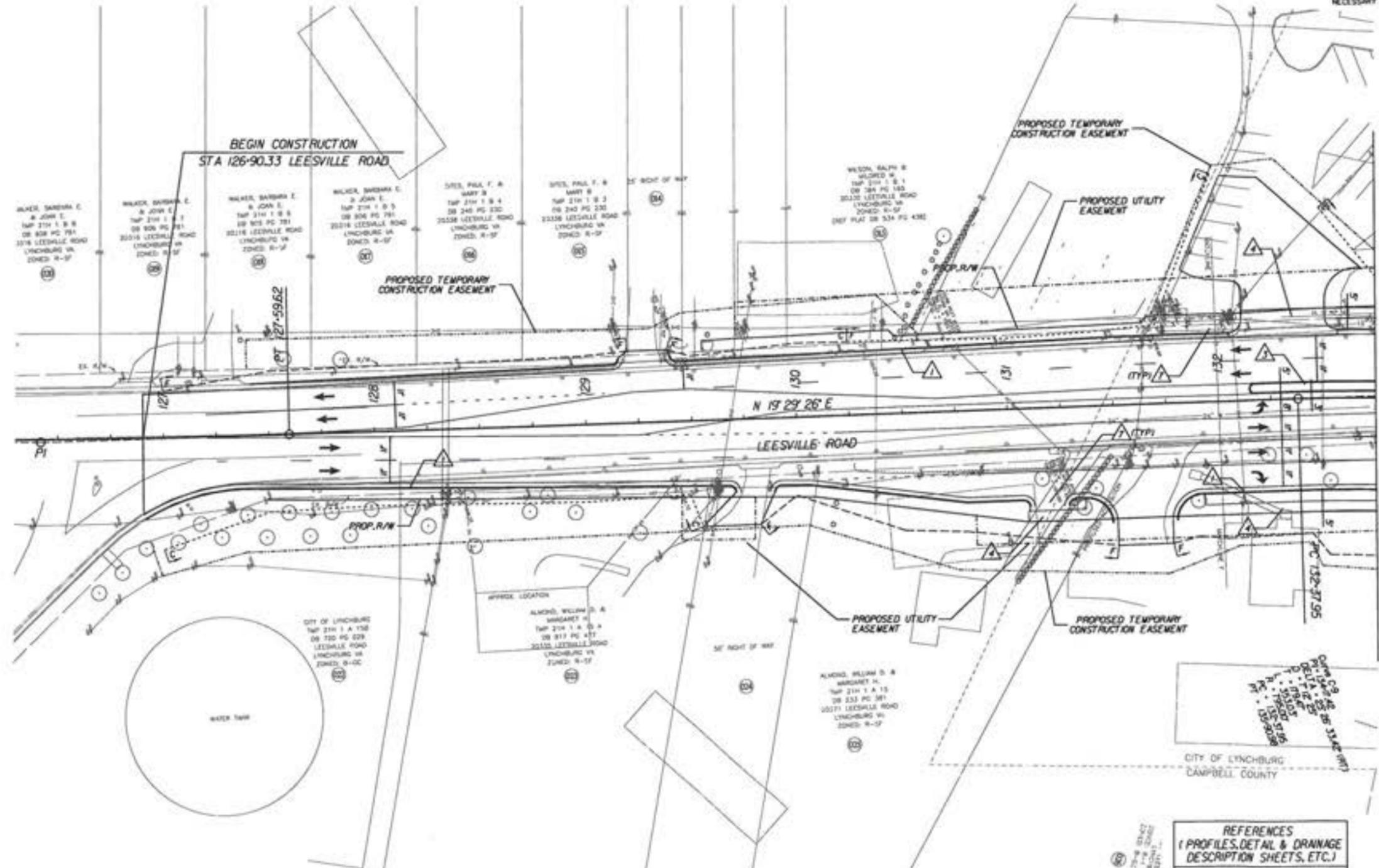


PROJECT MANAGER: Chris J. [unclear]  
SURVEYED BY, DATE: [unclear]  
DESIGN BY: [unclear]  
SUBSURFACE UTILITY BY, DATE: [unclear]

STATE	ROUTE	PROJECT	SHEET NO.
VA	6066	U000-118-259	68

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

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



- LEGEND**
- ▲ ST'D. CO-6 RECD.
  - ▲ ST'D. CO-2 RECD.
  - ▲ ST'D. MS-1A WITH STAMPED CONCRETE RECD.
  - ▲ S' SIDEWALK
  - ▲ 8' SHARED # CONCRETE PATHWAY
  - ▲ STAMPED ASPHALT CROSSWALK
  - ▲ ST'D. CO-90 RECD.
  - ▲ ST'D. CO-12 RECD.

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)  
Leesville Road Profile 60.6E

**NOTES:**  
LIMITS OF CONSTRUCTION ARE WITHIN THE EXISTING / PROPOSED RIGHT-OF-WAY LIMITS SHOWN IN THE RFP CONCEPTUAL PLANS.



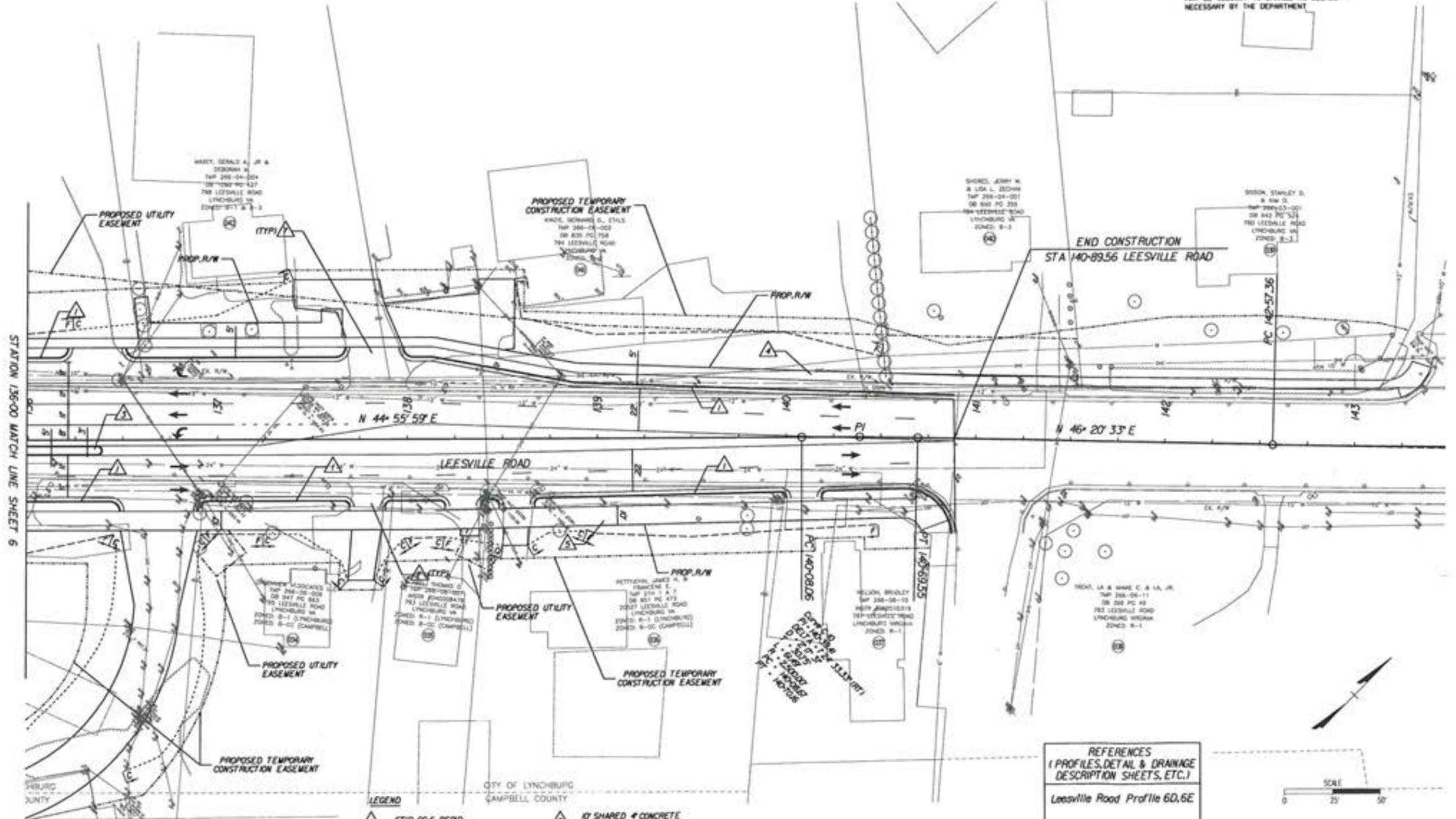
PROJECT	SHEET NO.
U000-118-259	68

PROJECT MANAGER: [Name], [Address], [City], [State], [Zip]  
 SURVEYED BY, DATE: [Name], [Address], [City], [State], [Zip]  
 DESIGN BY, DATE: [Name], [Address], [City], [State], [Zip]  
 SURFACE UTILITY BY, DATE: [Name], [Address], [City], [State], [Zip]

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

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA	6066	U000-118-259	6C

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



STATION 135+00 MATCH LINE SHEET 6

LEGEND

▲ 1	ST'D. CO-6 REOD.	▲ 5	8" SHARED 4" CONCRETE PAVEMENT
▲ 2	ST'D. CO-2 REOD.	▲ 6	STAMPED ASPHALT CROSSWALK
▲ 3	ST'D. MS-1A WITH STAMPED CONCRETE REOD.	▲ 7	ST'D. CO-90 REOD.
▲ 4	5' SIDEWALK	▲ 8	ST'D. CO-12 REOD.

NOTES:  
 1. LIMITS OF CONSTRUCTION ARE WITHIN THE EXISTING / PROPOSED RIGHT-OF-WAY LIMITS SHOWN IN THE RFP CONCEPTUAL PLANS.

REFERENCES  
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)  
 Leesville Road Profile 60,6E



PROJECT	SHEET NO.
U000-118-259	6C

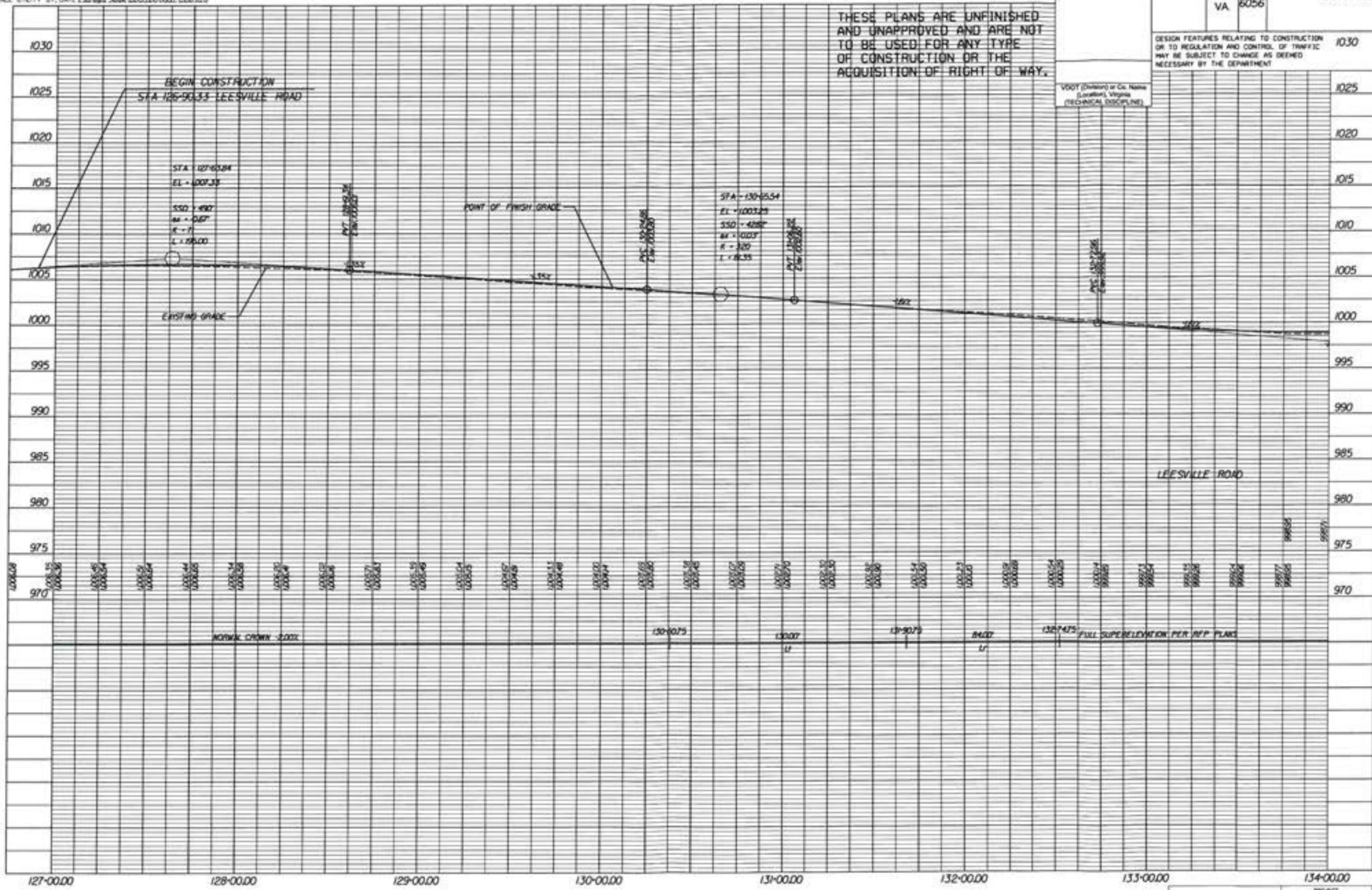
PROJECT MANAGER (Project No. 0001.000-0001.026010)  
 SURVEYED BY, DATE (Survey No. 0001.000-0001.026010)  
 DESIGN BY (Design No. 0001.000-0001.026010)  
 SUBSURFACE UTILITY BY, DATE (Survey No. 0001.000-0001.026010)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA	6056	U000-118-259	60

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

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

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



PROJECT	SHEET NO.
U000-118-259	60

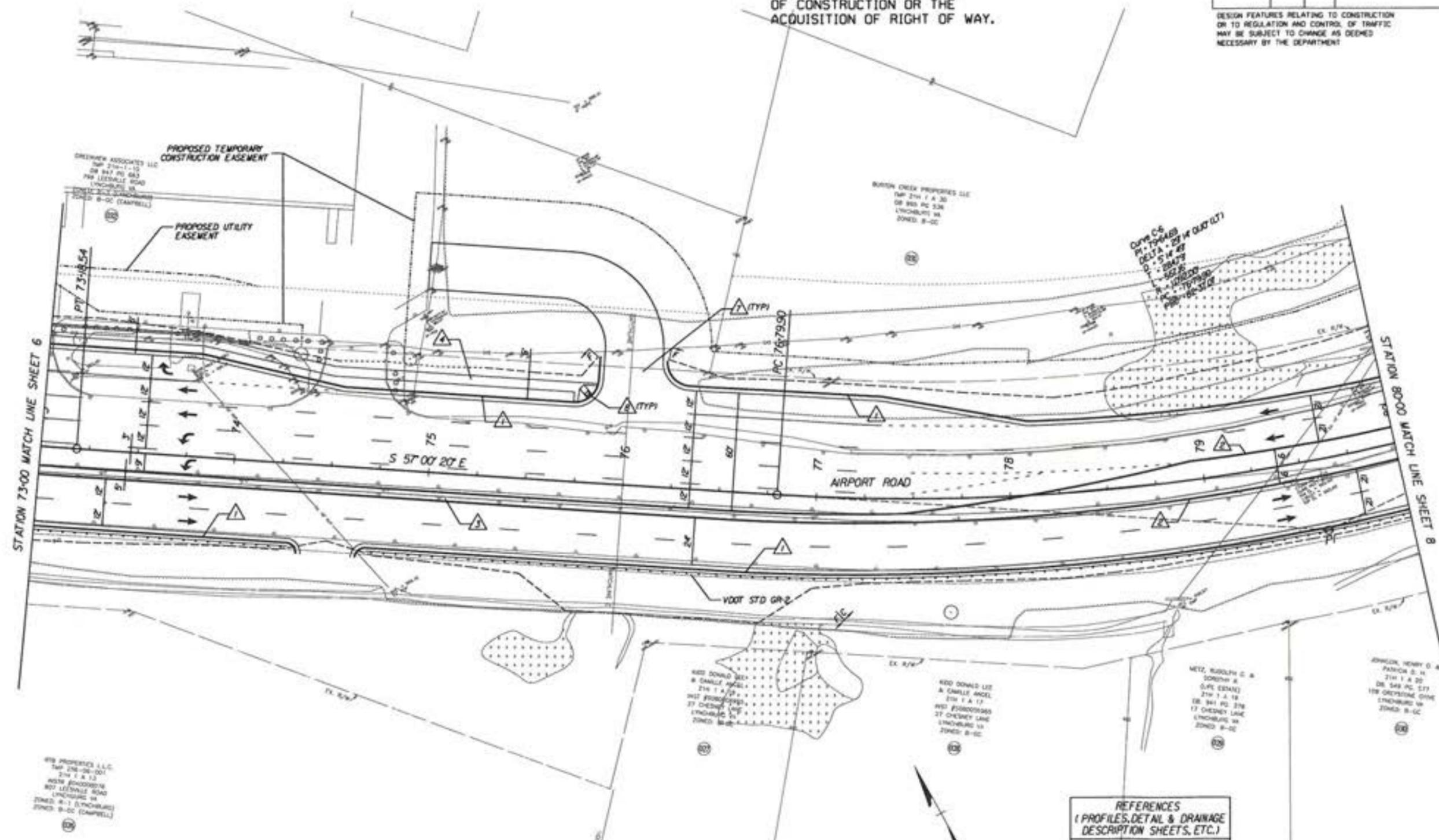


PROJECT MANAGER: [Redacted]  
 SURVEYED BY, DATE: [Redacted]  
 DESIGN BY: [Redacted]  
 SURFACE UTILITY BY, DATE: [Redacted]

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

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA	6056	U000-118-259	7

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



STATION 73+00 MATCH LINE SHEET 6

STATION 80+00 MATCH LINE SHEET 8

WIS PROPERTIES LLC  
 TWP 21N 1 E S 10  
 802N [Redacted]  
 807 LEEVILLE ROAD  
 LYNCHBURG VA  
 ZONED R-1 (LYNCHBURG)  
 ZONED B-OC (DAMPWELL)

BURTON CREEK PROPERTIES LLC  
 TWP 21N 1 E S 20  
 08 800 AC S 2N  
 LYNCHBURG VA  
 ZONED B-OC

Curve C-6  
 PI: 76+48.8  
 DELTA: 29° 14' 00\"/>

KEO DONALD LLC  
 & DANIEL ANGEL  
 TWP 1 A S 18  
 217 CHESTNEY LANE  
 LYNCHBURG VA  
 ZONED B-OC

KEO DONALD LLC  
 & DANIEL ANGEL  
 TWP 1 A S 17  
 217 CHESTNEY LANE  
 LYNCHBURG VA  
 ZONED B-OC

NETZ, RUDOLPH C &  
 JOSEPH A  
 SURE ESTATE  
 TWP 1 A S 18  
 18 841 PO 218  
 17 CHESTNEY LANE  
 LYNCHBURG VA  
 ZONED B-OC

ADRIAN, HENRY O &  
 PATRICIA E. H  
 TWP 1 A S 20  
 08 849 PO 277  
 108 CHESTNEY DRIVE  
 LYNCHBURG VA  
 ZONED B-OC

- LEGEND**
- 1 ST'D. CO-6 RECD.
  - 2 ST'D. CO-2 RECD.
  - 3 ST'D. MS-1A WITH STAMPED CONCRETE RECD.
  - 4 5' SIDEWALK
  - 5 12" SHARED # CONCRETE PATHWAY
  - 6 STAMPED ASPHALT CROSSWALK
  - 7 ST'D. CO-90 RECD.
  - 8 ST'D. CO-12 RECD.

**REFERENCES**  
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)  
 Airport Road Profile 7A

**NOTES:**  
 1. LIMITS OF CONSTRUCTION ARE WITHIN THE EXISTING / PROPOSED RIGHT-OF-WAY LIMITS SHOWN IN THE RFP CONCEPTUAL PLANS.



PROJECT	U000-118-259	SHEET NO.	7
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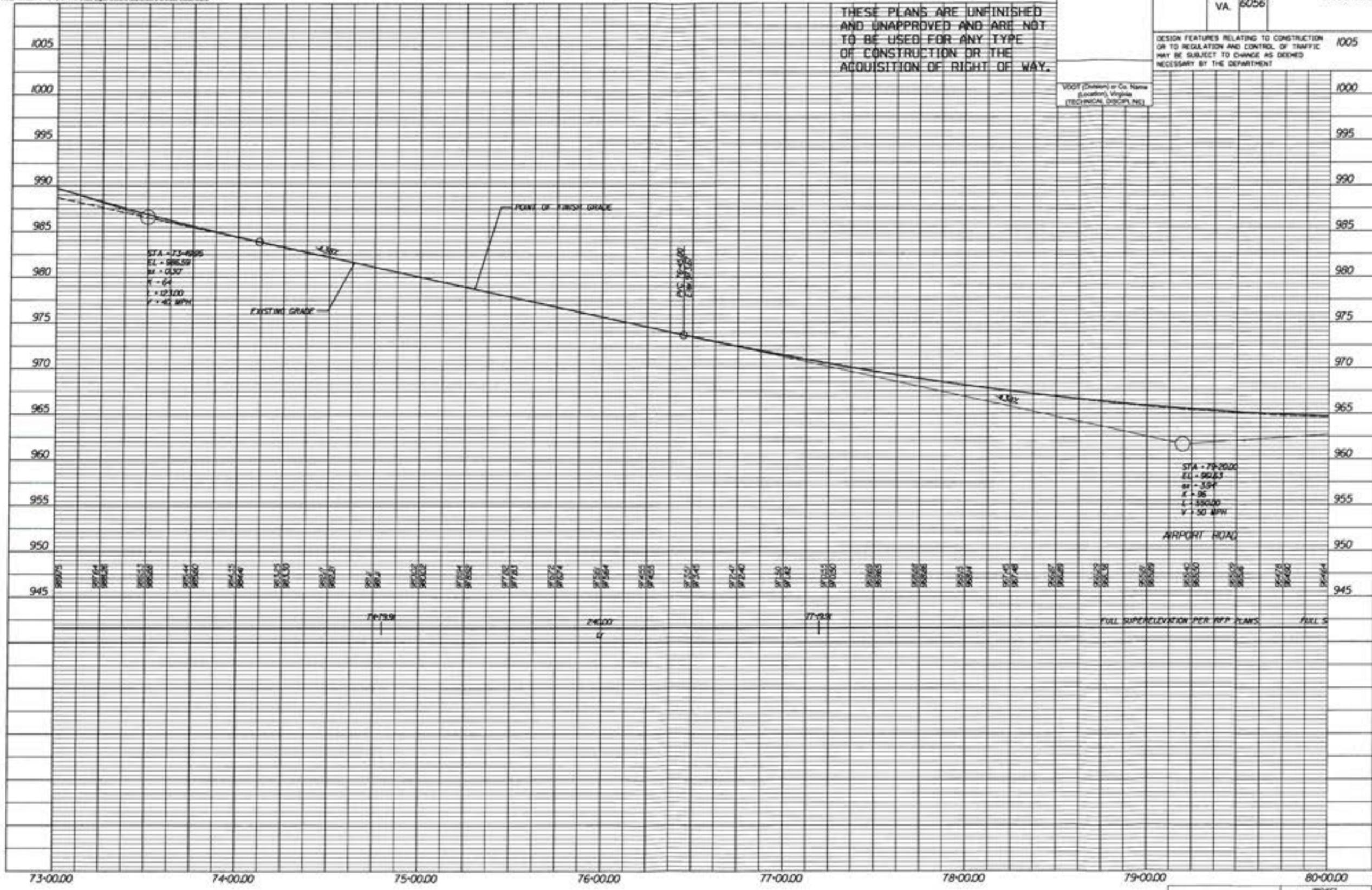
PROJECT MANAGER (c:\p\projmgr\projmgr.dwg) (0001.000-0000) (02/01/2014)  
 SURVEYED BY, DATE (c:\p\projmgr\projmgr.dwg) (0001.000-0000) (02/01/2014)  
 DESIGN BY (c:\p\projmgr\projmgr.dwg) (0001.000-0000) (02/01/2014)  
 SUBSURFACE UTILITY BY, DATE (c:\p\projmgr\projmgr.dwg) (0001.000-0000) (02/01/2014)

REVISION	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA	6056		U000-118-259	7A

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

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

VOOT (Designer) or Co. Name  
 Location, Virginia  
 (TECHNICAL DISCIPLINE)



1005	1000	995	990	985	980	975	970	965	960	955	950	945
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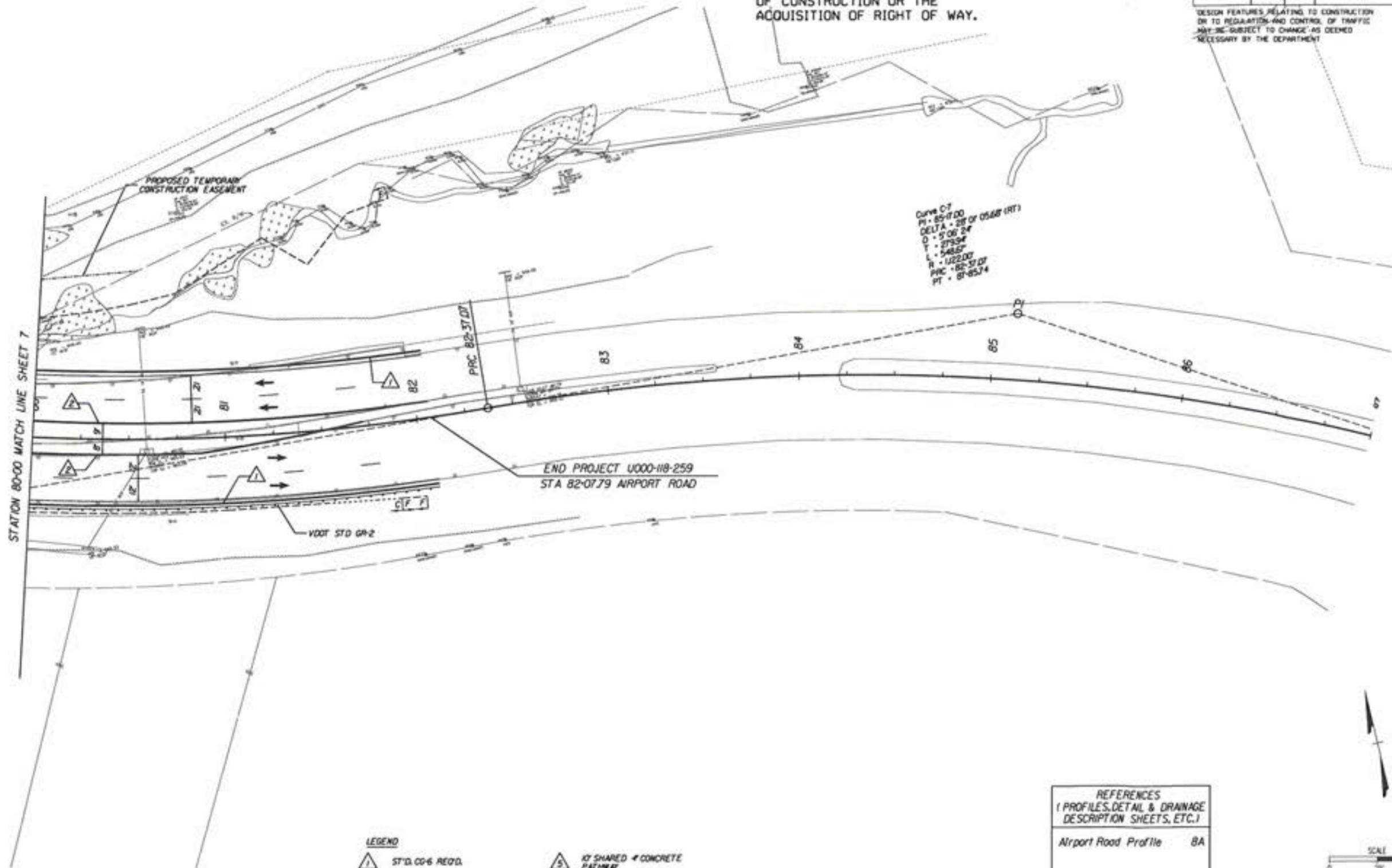
PROJECT	SHEET NO.
U000-118-259	7A

PROJECT MANAGER (Project Name: 0000000000) (02/01/2014)  
 SURVEYED BY, DATE (Surveyor Name: 0000000000) (02/01/2014)  
 DESIGN BY (Designer Name: 0000000000) (02/01/2014)  
 SUBSURFACE UTILITY BY, DATE (Surveyor Name: 0000000000) (02/01/2014)

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA	6056	U000-118-259	8

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

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



STATION 80+00 MATCH LINE SHEET 7

END PROJECT U000-118-259  
 STA 82+07.79 AIRPORT ROAD

- LEGEND**
- 1 ST'D. CG-6 REOD.
  - 2 ST'D. CG-2 REOD.
  - 3 ST'D. MS-1A WITH STAMPED CONCRETE REOD.
  - 4 5' SIDEWALK
  - 5 10' SHARED # CONCRETE PATHWAY
  - 6 STAMPED ASPHALT CROSSWALK
  - 7 ST'D. CG-90 REOD.
  - 8 ST'D. CG-12 REOD.

**REFERENCES**  
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)  
 Airport Road Profile 8A

**NOTES:**  
 1 LIMITS OF CONSTRUCTION ARE WITHIN THE EXISTING / PROPOSED RIGHT-OF-WAY LIMITS SHOWN IN THE RFP CONCEPTUAL PLANS.



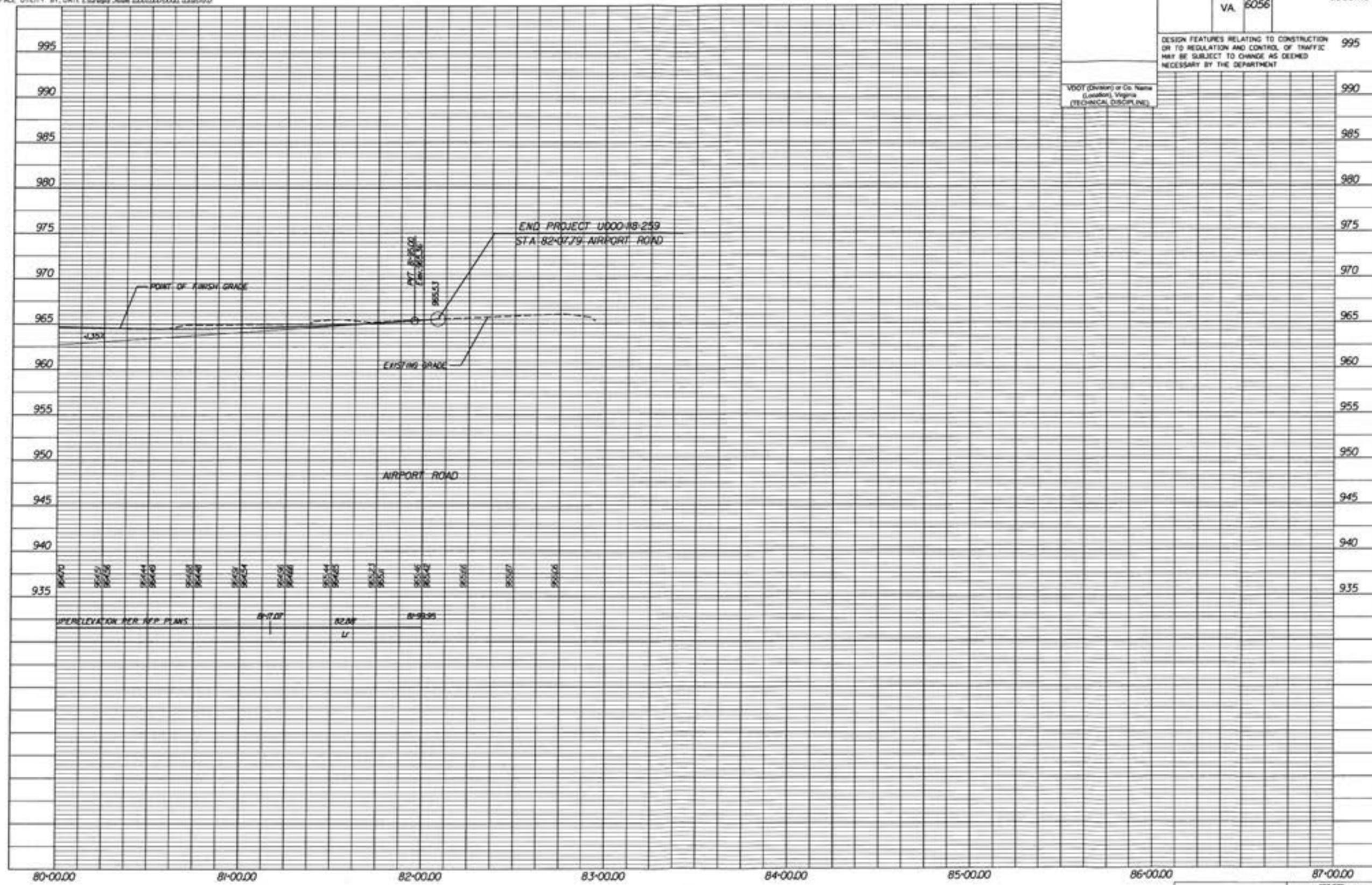
PROJECT	SHEET NO.
U000-118-259	8

PROJECT MANAGER (Project Mgr. Name) 0000000000 (02/01/00) .....  
 SURVEYED BY, DATE (Surveyor Name) 0000000000 (02/01/00) .....  
 DESIGN BY (Designer Name) 0000000000 (02/01/00) .....  
 SUBSURFACE UTILITY BY, DATE (Surveyor Name) 0000000000 (02/01/00) .....

REVISION	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA	6056	U000-118-259	8A

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)



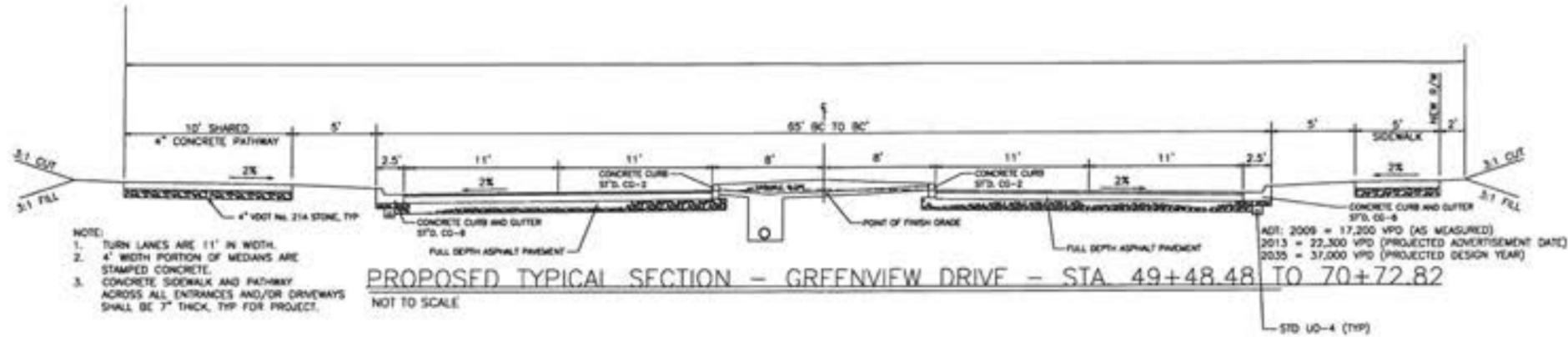
PROJECT	SHEET NO.
U000-118-259	8A

PROJECT MANAGER (Project Mgr. Name) 0000 000 0000 (00000000)  
 SURVEYED BY, DATE (Surveyor Name) 0000 000 0000 (00/00/00)  
 DESIGN BY (Designer Name) 0000 000 0000 (00/00/00)  
 SUBSURFACE UTILITY BY, DATE (Surveyor Name) 0000 000 0000 (00/00/00)

REVISED	STATE		PROJECT	SHEET NO
	ROUTE	PROJECT		
	VA	6056	U000-118-259	2A

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

VOOT (Division or Co. Name) (Location), Virginia (TECHNICAL DISCIPLINE)	VOOT (Division or Co. Name) (Location), Virginia (TECHNICAL DISCIPLINE)
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NOTE:  
CONSTRUCTION IS WITHIN THE EXISTING/  
PROPOSED RIGHT-OF-WAY AND EASEMENT  
LIMITS SHOWN IN THE RTP CONCEPTUAL  
PLANS.

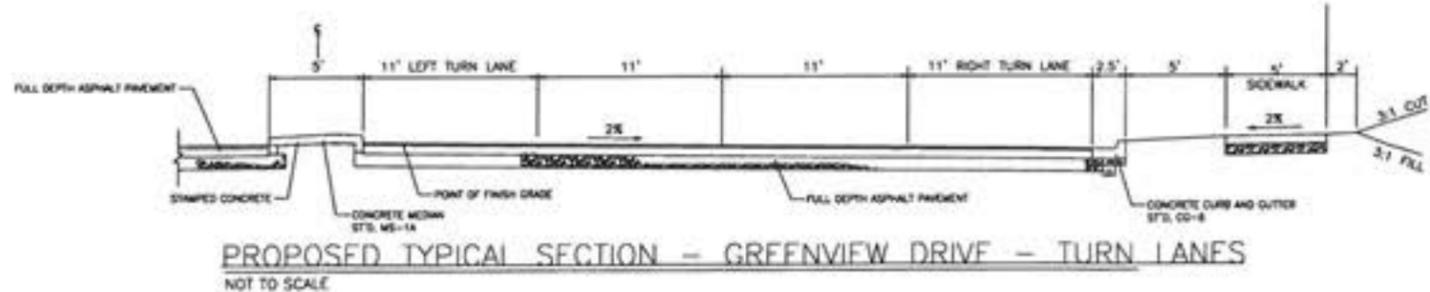
**PAVEMENT DESIGN**

**GREENVIEW ROAD, AIRPORT ROAD, AND LEESVILLE ROAD FULL DEPTH ASPHALT PAVEMENT**  
 SURFACE - 2" ASPHALT CONCRETE, TYPE SM-12.5 D (ESTIMATE AT 220 LBS/YO)  
 BASE - 8" ASPHALT CONCRETE BASE COURSE, TYPE SM-25.0A  
 SUBBASE - 9" AGGREGATE BASE MATERIAL, NO. 21B

**SIDEWALK**  
 SURFACE - 4" HYDRAULIC CEMENT CONCRETE, CLASS A3  
 BASE - 6" AGGREGATE BASE MATERIAL, NO. 21B

**SHARED USE PATH**  
 SURFACE - 4" HYDRAULIC CEMENT CONCRETE, CLASS A3  
 BASE - 6" AGGREGATE BASE MATERIAL, NO. 21B

**MILL AND OVERLAY**  
 FOR SALVAGE/BUILD-UP AREAS, THE EXISTING PAVEMENT SHALL BE MILLED 2 INCHES AND REPLACED WITH THE FOLLOWING:  
**HERMITAGE ROAD/EAST OVERBROOK ROAD**  
 SURFACE - 2" ASPHALT CONCRETE, TYPE SM-12.5D (ESTIMATE AT 220 LBS/YO)  
 INTERMEDIATE - 2.5" ASPHALT CONCRETE, TYPE SM-18.00 (ESTIMATE AT 220 LBS/YO)  
**MOUNT STERLING ROAD**  
 SURFACE - 2" ASPHALT CONCRETE, TYPE SM-12.5D (ESTIMATE AT 220 LBS/YO)  
 NOTE: UNSATURABLE SOIL REMOVAL AND REPLACEMENT PER GEOTECHNICAL ENGINEER RECOMMENDATIONS.



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

PROJECT	SHEET NO
U000-118-259	2A

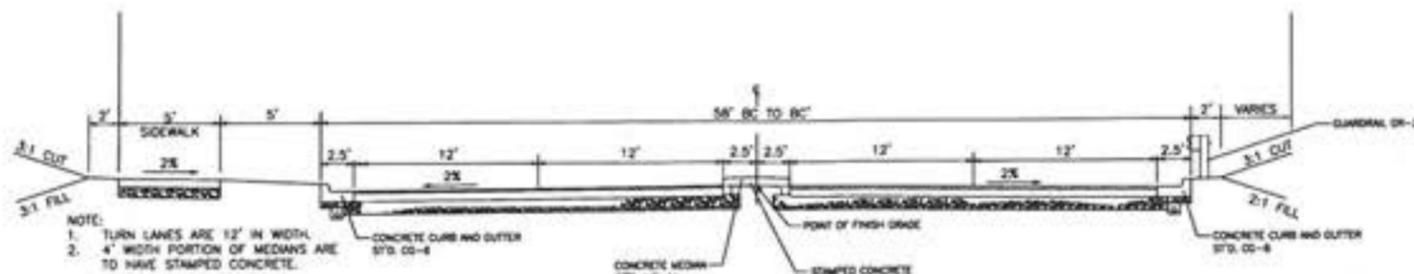
PROJECT MANAGER: Chris [unclear] (000-000-0000) (000-000-0000)  
 SURVEYED BY, DATE: [unclear] (000-000-0000) (000-000-0000)  
 DESIGN BY: [unclear] (000-000-0000) (000-000-0000)  
 SURFACE UTILITY BY, DATE: [unclear] (000-000-0000) (000-000-0000)

REVISED	DATE	BY	PROJECT	SHEET NO.
		VA	6056	U000-118-259
				2B

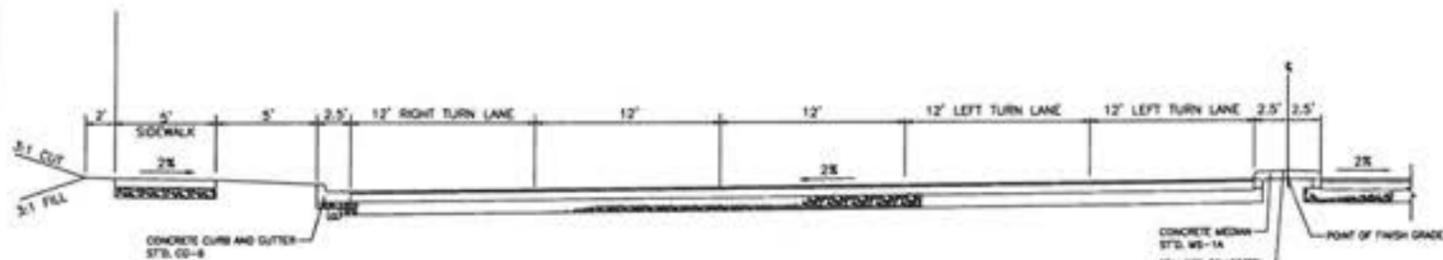
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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

NOTE:  
CONSTRUCTION IS WITHIN THE EXISTING/PROPOSED RIGHT-OF-WAY AND EASEMENT LIMITS SHOWN IN THE RFP CONCEPTUAL PLANS



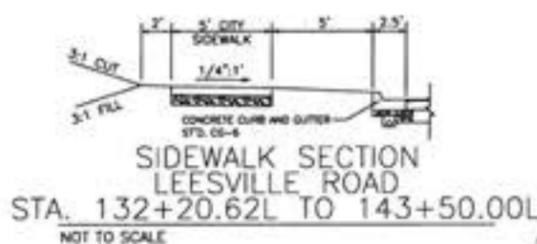
PROPOSED TYPICAL SECTION - AIRPORT ROAD - STA. 70+72.82 TO 82+07.79  
NOT TO SCALE



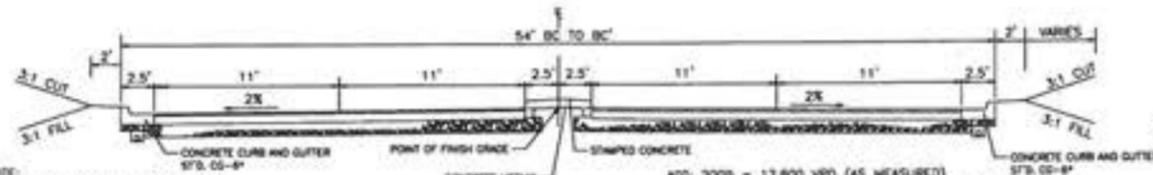
PROPOSED TYPICAL SECTION - AIRPORT ROAD - TURN LANES  
NOT TO SCALE



SIDEWALK SECTION  
LEESVILLE ROAD  
STA. 131+08.92R TO 134+18.97R  
NOT TO SCALE

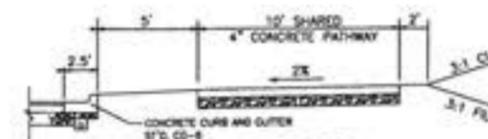


SIDEWALK SECTION  
LEESVILLE ROAD  
STA. 132+20.62L TO 143+50.00L  
NOT TO SCALE



PROPOSED TYPICAL SECTION - LEESVILLE ROAD  
NOT TO SCALE

ADT: 2009 = 12,800 VPD (AS MEASURED)  
 2013 = 15,200 VPD (PROJECTED ADVERTISEMENT DATE)  
 2035 = 18,400 VPD (PROJECTED DESIGN YEAR)  
 \*USE CC-7 STA 126+80.33 TO STA 132+00



SIDEWALK SECTION  
LEESVILLE ROAD  
STA. 134+18.97R TO 140+89.56R  
NOT TO SCALE

PAVEMENT DESIGN

GREENVIEW ROAD, AIRPORT ROAD, AND LEESVILLE ROAD FULL DEPTH ASPHALT PAVEMENT

SURFACE - 2" ASPHALT CONCRETE, TYPE SM-12.5.0 (ESTIMATE AT 220 LBS/YD)  
 BASE - 8" ASPHALT CONCRETE BASE COURSE, TYPE BM-25.0A  
 SUBBASE - 9" AGGREGATE BASE MATERIAL, NO. 21B

SIDEWALK

SURFACE - 4" HYDRAULIC CEMENT CONCRETE, CLASS A3  
 BASE - 6" AGGREGATE BASE MATERIAL, NO. 21B

SHARED USE PATH

SURFACE - 4" HYDRAULIC CEMENT CONCRETE, CLASS A3  
 BASE - 6" AGGREGATE BASE MATERIAL, NO. 21B

MILL AND OVERLAY

FOR SALVAGE/BUILD-UP AREAS, THE EXISTING PAVEMENT SHALL BE MILLED 2 INCHES AND REPLACED WITH THE FOLLOWING:

HERITAGE ROAD/EAST OVERLOOK ROAD

SURFACE - 2" ASPHALT CONCRETE, TYPE SM-12.5.0 (ESTIMATE AT 220 LBS/YD)  
 INTERMEDIATE - 2.5" ASPHALT CONCRETE, TYPE IM-19.00 (ESTIMATE AT 220 LBS/YD)

MOUNT STERLING ROAD

SURFACE - 2" ASPHALT CONCRETE, TYPE SM-12.5.0 (ESTIMATE AT 220 LBS/YD)

NOTE: UNSUITABLE SOIL REMOVAL AND REPLACEMENT PER GEOTECHNICAL ENGINEER RECOMMENDATIONS.

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

PROJECT	SHEET NO.
U000-118-259	2B

**Proposal Schedule**

**For**

**U000-118-259,C501  
Contract ID No.: C00106320DB79  
Federal Project No.: STP-5118(235)  
Greenview Drive Widening  
City of Lynchburg and Campbell County, VA**

**November 10, 2014**

Submitted by:



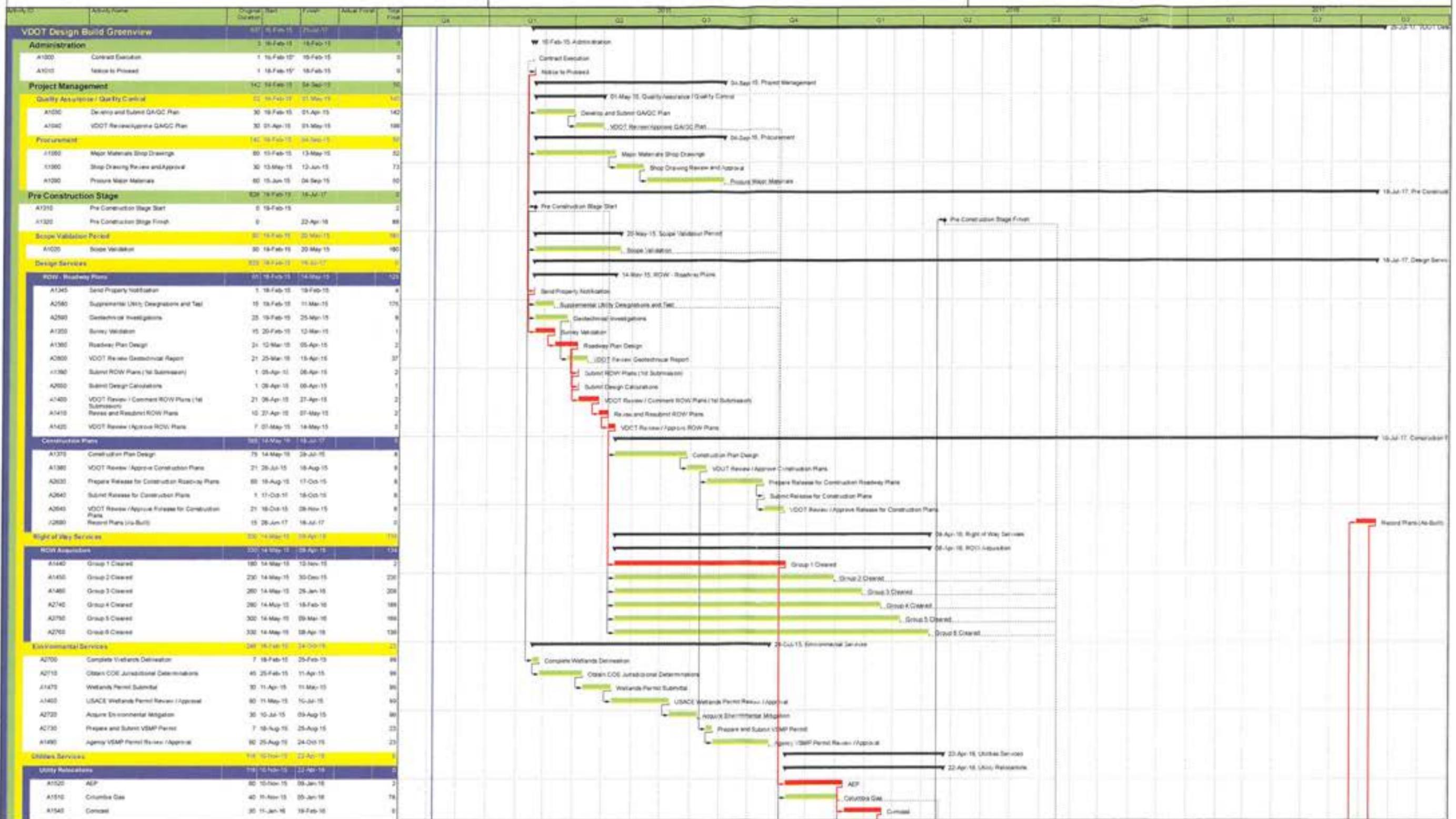
**Main Office:**  
501 6<sup>th</sup> Avenue  
P.O. Box 1448  
Saint Albans, WV 25177  
304-722-4237 (phone)  
304-722-4230 (fax)

**Virginia Office:**  
605 Lithia Road  
Wytheville, VA 24382  
276-227-0378 (phone)  
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Submitted to:

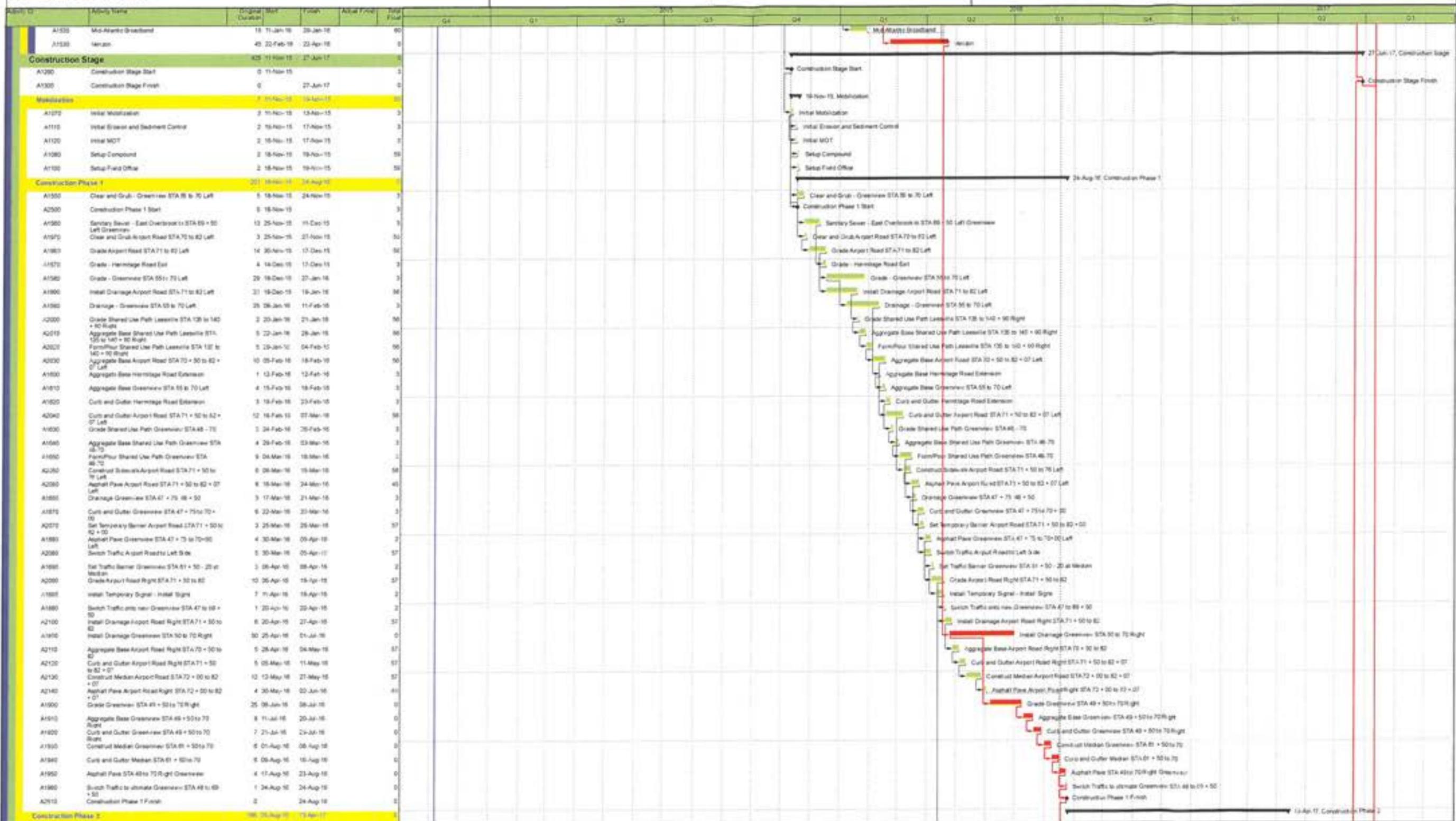


**Attn: Kevin Reichert, P.E.  
1401 East Broad Street  
Richmond, VA 23219**



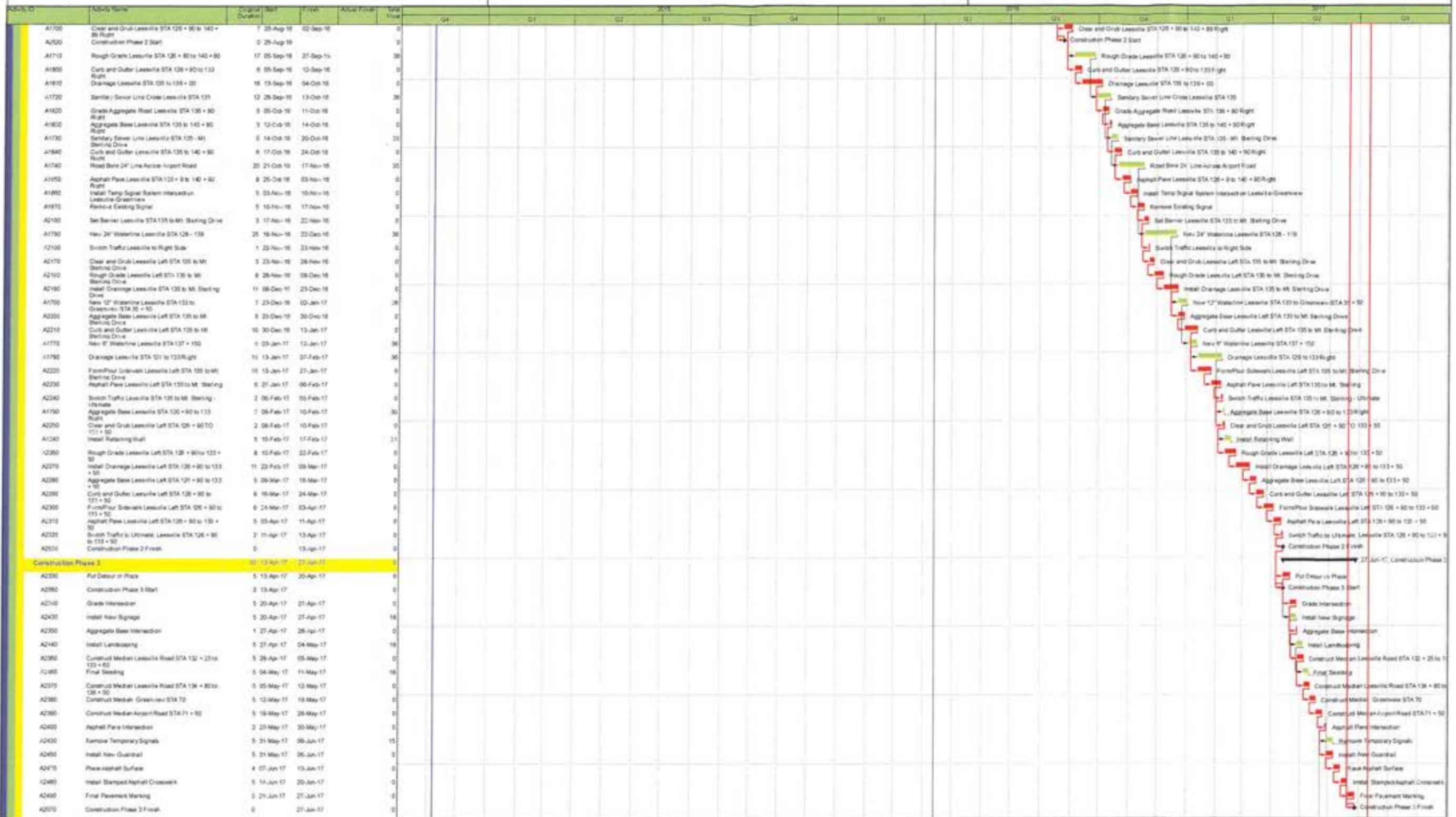
Primary Baseline  
 Actual Work  
 Remaining Work  
 Critical Remaining Work  
 Summary  
 Milestone

Orders Construction Company  
 Greenview Drive Design Build  
 RFP Proposal Schedule



Primary Baseline  
 Actual Work  
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Orders Construction Company  
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— Primary Baseline  
▨ Actual Work  
▨ Remaining Work  
▨ Critical Remaining Work  
◆ Milestone

Orders Construction Company  
 Greenview Drive Design Build  
 RFP Proposal Schedule

Activity ID	Activity Name	Original Duration	Start	Finish	Actual Start	Actual Finish	Total Float
<b>Permitted Signal</b>							
A240	Install New Traffic Signal	90	20-Apr-16	23-Aug-16			210
<b>Closeout</b>							
A110	Project Work Substantial Completion	0	19-Jul-17				0
A130	Close Out Paperwork	0	19-Jul-17	25-Jul-17			0
A120	Project Completion	0	25-Jul-17				0

- 25-Jul-17, Closed
- Project Work Substantial
- Close Out Paperwork
- Project Completion

Primary Baseline      ▼ Summary  
 Actual Work  
 Remaining Work  
 Critical Remaining Work  
◆ Milestone

Orders Construction Company  
 Greenview Drive Design Build  
 RFP Proposal Schedule

## Plan of Operations

The anticipated project Notice to Proceed date is February 18, 2015.

Our intended sequence of construction for this project will be as outlined below. The project is broken down into two major stages (pre-construction and construction) with the construction stage broken down into three phases.

### Sequence & General Procedures:

Upon contract execution Orders Construction and Clark Nexson will begin work on the pre-construction stage activities. The initial items of work to be performed will be the utility designations, geotechnical investigation, environmental permit applications, and survey validation. Once these items are complete the initial Roadway Right of Way Plans (ROW) will be developed and submitted for approval. Once the ROW plans are approved the design group will proceed to develop the full construction plan set and right of way acquisition will begin. Right of way acquisition is to be broken down and prosecuted in six groups.

Once all the environmental permits are acquired, final construction plans developed and approved, and the first right of way group is cleared the construction phase will begin with initial mobilization, compound setup and utility relocation work starting. The remaining right of way group acquisition will continue, with all groups cleared prior to Phase II Construction commencing.

Phase I Construction will consist of Orders Construction and W-L Construction performing all work along Greenview Drive and Airport Road from Stations 55+00 to 83+00. Phase I work will commence with all work being done on the left sides of Greenview Drive and Airport Road, working simultaneously. Once the left sides are complete, a temporary traffic signal will be installed and the traffic will be switched to the completed roadway sections and work will continue on the right sides of Greenview Drive and Airport Road. Phase I Construction will conclude with the full completion of Greenview Drive and Airport Road.

Phase II Construction will consist of Orders Construction and W-L Construction performing all work along Leesville Road from Stations 128+00 to 140+00. Phase II work will commence with all work being done on the right side of Leesville Road. Once complete traffic will be switched and the left side of Leesville Road will be constructed. Installation of the retaining wall along Leesville Road will also be constructed during this phase.

Phase III Construction will consist of Orders Construction and W-L Construction performing all work within the Greenview Drive / Airport Road and Leesville Road intersection. A temporary detour will be implemented to allow for construction of the intersection. Final asphalt paving, guardrail, pavement markings, signage, and the permanent signal installation and implementation will also be performed under this phase.

Once the Construction Stage is complete Orders Construction and Clark Nexson will work to close the project out, compiling and submitting all the final project documentation and as-built plans.

Planned Resources:

The following is a list of initial planned resources for this project.

Two Roadway Crews:

- Supervisor
- Minimum of three operators
- Minimum of two truck drivers
- Minimum of two laborers

Roadway Equipment:

- 2 Hydraulic Excavators
- 2 Rollers
- 2 Dozers
- 4 Trucks
- 1 Motor Grader

Concrete Crew:

- Superintendent
- Minimum of two carpenters
- Minimum of two laborers

Concrete Equipment:

- Backhoe
- Dump Truck
- Slip Form Paver

Major Operation Planned Production Rates:

The following is a list of planned production rates for major operations on this project:

- Excavation - 320 CY/Shift
- Aggregate Placement - 235 TON/Shift
- Fine Grading - 1050 SY/Shift
- Hand Form Curb - 200 LF/Shift
- Slip Form Curb - 500 LF/Shift
- Hand Form Walk - 150 LF/Shift
- Slip Form Walk - 375 LF/Shift

Assumptions:

The project schedule was developed based on the information contained in the contract documents and it is assumed that all information is correct, accurate, and representative of the conditions to be encountered in the field. No other extemporaneous assumptions were utilized in the development of this schedule.

### Critical Activities

The project critical path starts with the notice to proceed and runs through the design stage survey validation, Roadway Right of Way Plan development and approval, Group 1 Right of Way Acquisition and Utility Relocations. The critical path then goes to the Construction Stage running through the Phase I drainage and grade work and the remaining subsequent activities along the right side of Greenview Drive. The critical path then follows the Phase II construction of the right and left sides of Leesville Road. Next the critical path follows the Phase III detour implementation, and full construction of the Greenview Drive / Airport Road and Leesville Road intersection. The critical path concludes with development of the final as-built plans and submission of the final project documentation.

A list of the full critical (longest path) activities for the project is included in the submission in the schedule log file.

### Tabular Milestone Schedule

The following is a tabular breakdown of the Milestones included in the project schedule.

Milestone ID	Description	Start	Finish
A1310	Pre Construction Stage Start	2/19/2015	-
A1320	Pre Construction Stage Finish	-	4/22/2016
A1290	Construction Stage Start	11/11/2015	-
A1300	Construction Stage Finish	-	6/27/2017
A2500	Construction Phase 1 Start	11/18/2015	-
A2510	Construction Phase 1 Finish	-	8/24/2016
A2520	Construction Phase 2 Start	8/25/2016	-
A2530	Construction Phase 2 Finish	-	4/13/2017
A2560	Construction Phase 3 Start	4/13/2017	-
A2570	Construction Phase 3 Finish	-	6/27/2017
A1330	Project Substantial Completion	7/18/2017	-
A1280	Project Completion	-	7/25/2017

### Schedule Constraints

The following schedule constraints were utilized in the development of the schedule.

Activity ID	Description	Constraint	Reason
A1000	Contract Execution	Start on	Required by SP
A1010	Notice to Proceed	Start on	Required by SP
A1280	Project Completion	Finish on or Before	Required by SP

### Working Calendars

The normal project work week will be 7:00 am to 5:00 pm Monday through Friday. Work hours and work days are subject to adjustment depending on ongoing operations and work progression.

The following project specific calendars were utilized to build the schedule.

- VDOT - 5 Days/Week 8 Hrs/Day with Holidays - Standard Calendar for Project
- VDOT - Global 7 Days/Week 24 Hrs/Day
- VDOT - Winter Calendar - Paving Restriction - uses 4 Days/Week 10 Hrs/Day with Holidays plus blocks from December 25 through March 15

The Schedule was built primarily utilizing the 5 Day - 8 Hr/Day Week with all Holiday restrictions observed. Weather will be accounted for by utilizing 10-Hr Days and/or working longer shifts or on the weekend when necessary.

### Potential Issues

Current issues that have already been brought to the Department's attention.

1. Utility Relocation - relocation of existing utilities could become an issue if not completed in a timely manner.

At this time we do not see any other potential issues which will negatively impact the schedule.

Default  
Project.....C00106320DB79\_RFP\_PS

Projects:

C00106320DB79\_RFP\_PS.....VDOT Design Build  
Greenview

Scheduling/Leveling Settings:

-----  
General  
-----

Scheduling .....Yes  
Leveling .....NO  
Ignore relationships to and from other projects .....NO  
Make open-ended activities critical .....NO  
Use Expected Finish Dates .....Yes  
Schedule automatically when a change affects dates .....No  
Level resources during scheduling .....NO  
Recalculate assignment costs after scheduling .....NO  
when scheduling progressed activities use .....Retained

Logic

Calculate start-to-start lag from .....Early Start  
Define critical activities as .....Longest

Path

Compute Total Float As .....Finish

Float

Calculate float based on finish date of .....Each

project

Calendar for scheduling Relationship Lag .....Predecessor

Activity Calendar

Advanced  
-----

Calculate multiple float paths.....No

Statistics:

-----  
# Projects.....1  
# Activities.....158  
# Not Started.....158  
# In Progress.....0  
# Completed.....0  
# Relationships.....188  
# Activities with Constraint.....3

Contract Execution Project: C00106320DB79\_RFP\_PS Activity: A1000  
Notice to Proceed Project: C00106320DB79\_RFP\_PS Activity: A1010  
Project Completion Project: C00106320DB79\_RFP\_PS Activity: A1280

Errors:

Warnings:

-----  
Activities without predecessors.....1  
Contract Execution Project: C00106320DB79\_RFP\_PS Activity: A1000

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Activities without successors.....1  
 Project: C00106320DB79\_RFP\_PS Activity: A1280  
 Project Completion  
 Out-of-sequence activities.....0  
 Activities with Actual Dates > Data Date.....0  
 Milestone Activities with invalid relationships.....0

Scheduling/Leveling Results:

-----  
 # Projects Scheduled/Leveled.....1  
 # Activities Scheduled/Leveled.....158  
 # Relationships with other projects.....0  
 Data Date.....07-Nov-14  
 Earliest Early Start Date.....16-Feb-15  
 Latest Early Finish Date.....25-Jul-17

Exceptions:

-----  
 Critical Activities.....70  
 Project: C00106320DB79\_RFP\_PS Activity: A1010  
 Notice to Proceed  
 Project: C00106320DB79\_RFP\_PS Activity: A1280  
 Project Completion  
 Project: C00106320DB79\_RFP\_PS Activity: A1300  
 Construction Stage Finish  
 Project: C00106320DB79\_RFP\_PS Activity: A1330  
 Project Work Substantial Completion  
 Project: C00106320DB79\_RFP\_PS Activity: A1340  
 Close Out Paperwork  
 Project: C00106320DB79\_RFP\_PS Activity: A1345 Send  
 Property Notification  
 Project: C00106320DB79\_RFP\_PS Activity: A1350  
 Survey Validation  
 Project: C00106320DB79\_RFP\_PS Activity: A1360  
 Roadway Plan Design  
 Project: C00106320DB79\_RFP\_PS Activity: A1390  
 Submit ROW Plans (1st Submission)  
 Project: C00106320DB79\_RFP\_PS Activity: A1400 VDOT  
 Review / Comment ROW Plans (1st Submission)  
 Project: C00106320DB79\_RFP\_PS Activity: A1410  
 Revise and Resubmit ROW Plans  
 Project: C00106320DB79\_RFP\_PS Activity: A1420 VDOT  
 Review / Approve ROW Plans  
 Project: C00106320DB79\_RFP\_PS Activity: A1440  
 Group 1 Cleared  
 Project: C00106320DB79\_RFP\_PS Activity: A1520 AEP  
 Project: C00106320DB79\_RFP\_PS Activity: A1530  
 Verizon  
 Project: C00106320DB79\_RFP\_PS Activity: A1540  
 Comcast  
 Project: C00106320DB79\_RFP\_PS Activity: A1700  
 Clear and Grub Leesville STA 126 + 90 to 140 + 89 Right  
 Project: C00106320DB79\_RFP\_PS Activity: A1800 Curb  
 and Gutter Leesville STA 126 + 90 to 133 Right  
 Project: C00106320DB79\_RFP\_PS Activity: A1810  
 Drainage Leesville STA 135 to 139 + 00  
 Project: C00106320DB79\_RFP\_PS Activity: A1820  
 Grade Aggregate Road Leesville STA 136 + 80 Right  
 Project: C00106320DB79\_RFP\_PS Activity: A1830  
 Aggregate Base Leesville STA 135 to 140 + 90 Right  
 Project: C00106320DB79\_RFP\_PS Activity: A1840 Curb

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and Gutter Leesville STA 135 to 140 + 90 Right	Project: C00106320DB79_RFP_PS	Activity: A1850	
Asphalt Pave Leesville STA 126 + 9 to 140 + 90 Right	Project: C00106320DB79_RFP_PS	Activity: A1860	
Install Temp Signal System Intersection Leesville-Greenville	Project: C00106320DB79_RFP_PS	Activity: A1870	
Remove Existing Signal	Project: C00106320DB79_RFP_PS	Activity: A1890	
Install Drainage Greenvew STA 50 to 70 Right	Project: C00106320DB79_RFP_PS	Activity: A1900	
Grade Greenvew STA 49 + 50 to 70 Right	Project: C00106320DB79_RFP_PS	Activity: A1910	
Aggregate Base Greenvew STA 49 + 50 to 70 Right	Project: C00106320DB79_RFP_PS	Activity: A1920	Curb
and Gutter Greenvew STA 49 + 50 to 70 Right	Project: C00106320DB79_RFP_PS	Activity: A1930	
Construct Median Greenvew STA 61 + 50 to 70	Project: C00106320DB79_RFP_PS	Activity: A1940	Curb
and Gutter Median STA 61 + 50 to 70	Project: C00106320DB79_RFP_PS	Activity: A1950	
Asphalt Pave STA 49 to 70 Right Greenvew	Project: C00106320DB79_RFP_PS	Activity: A1960	
Switch Traffic to ultimate Greenvew STA 48 to 69 + 50	Project: C00106320DB79_RFP_PS	Activity: A2150	Set
Barrier Leesville STA 135 to Mt. Sterling Drive	Project: C00106320DB79_RFP_PS	Activity: A2160	
Switch Traffic Leesville to Right Side	Project: C00106320DB79_RFP_PS	Activity: A2170	
Clear and Grub Leesville Left STA 135 to Mt. Sterling Drive	Project: C00106320DB79_RFP_PS	Activity: A2180	
Rough Grade Leesville Left STA 135 to Mt. Sterling Drive	Project: C00106320DB79_RFP_PS	Activity: A2190	
Install Drainage Leesville STA 135 to Mt. Sterling Drive	Project: C00106320DB79_RFP_PS	Activity: A2200	
Aggregate Base Leesville Left STA 135 to Mt. Sterling Drive	Project: C00106320DB79_RFP_PS	Activity: A2210	Curb
and Gutter Leesville Left STA 135 to Mt. Sterling Drive	Project: C00106320DB79_RFP_PS	Activity: A2220	
Form/Pour Sidewalk Leesville Left STA 135 to Mt. Sterling Drive	Project: C00106320DB79_RFP_PS	Activity: A2230	
Asphalt Pave Leesville Left STA 135 to Mt. Sterling	Project: C00106320DB79_RFP_PS	Activity: A2240	
Switch Traffic Leesville STA 135 to Mt. Sterling - Ultimate	Project: C00106320DB79_RFP_PS	Activity: A2250	
Clear and Grub Leesville Left STA 126 + 90 to 133 + 50	Project: C00106320DB79_RFP_PS	Activity: A2260	
Rough Grade Leesville Left STA 126 + 90 to 133 + 50	Project: C00106320DB79_RFP_PS	Activity: A2270	
Install Drainage Leesville Left STA 126 + 90 to 133 + 50	Project: C00106320DB79_RFP_PS	Activity: A2280	
Aggregate Base Leesville Left STA 126 + 90 to 133 + 50	Project: C00106320DB79_RFP_PS	Activity: A2290	Curb
and Gutter Leesville Left STA 126 + 90 to 133 + 50	Project: C00106320DB79_RFP_PS	Activity: A2300	
Form/Pour Sidewalk Leesville Left STA 126 + 90 to 133 + 50	Project: C00106320DB79_RFP_PS	Activity: A2310	
Asphalt Pave Leesville Left STA 126 + 90 to 133 + 50	Project: C00106320DB79_RFP_PS	Activity: A2320	
Switch Traffic to Ultimate, Leesville STA 126 + 90 to 133 + 50	Project: C00106320DB79_RFP_PS	Activity: A2330	Put
Detour in Place	Project: C00106320DB79_RFP_PS	Activity: A2340	
Grade Intersection			

SCHEDLOG.TXT			
Aggregate Base Intersection	Project: C00106320DB79_RFP_PS	Activity:	A2350
Construct Median Leesville Road	Project: C00106320DB79_RFP_PS	Activity:	A2360
Construct Median Leesville Road	Project: C00106320DB79_RFP_PS	Activity:	A2370
Construct Median Greenview	Project: C00106320DB79_RFP_PS	Activity:	A2380
Construct Median Airport Road	Project: C00106320DB79_RFP_PS	Activity:	A2390
Asphalt Pave Intersection	Project: C00106320DB79_RFP_PS	Activity:	A2400
Install New Guardrail	Project: C00106320DB79_RFP_PS	Activity:	A2450
Place Asphalt Surface	Project: C00106320DB79_RFP_PS	Activity:	A2470
Install Stamped Asphalt Crosswalk	Project: C00106320DB79_RFP_PS	Activity:	A2480
Final Pavement Marking	Project: C00106320DB79_RFP_PS	Activity:	A2490
Construction Phase 1 Finish	Project: C00106320DB79_RFP_PS	Activity:	A2510
Construction Phase 2 Start	Project: C00106320DB79_RFP_PS	Activity:	A2520
Construction Phase 2 Finish	Project: C00106320DB79_RFP_PS	Activity:	A2530
Construction Phase 3 Start	Project: C00106320DB79_RFP_PS	Activity:	A2560
Construction Phase 3 Finish	Project: C00106320DB79_RFP_PS	Activity:	A2570
Submit Design Calculations	Project: C00106320DB79_RFP_PS	Activity:	A2650
Record Plans (As-Built)	Project: C00106320DB79_RFP_PS	Activity:	A2690

Activities with unsatisfied constraints.....0  
 Activities with unsatisfied relationships.....0  
 Activities with external dates.....0