

## LETTER OF SUBMITTAL AND ATTACHMENTS

Sycolin Road Overpass of the Route 7/15 Bypass in Leesburg  
 From: 0.096 miles north of Hope Parkway  
 To: 0.016 miles north of Gateway Drive  
 Loudoun County, Virginia

*State Project No.:* 6007-053-S96  
*Federal Project No.:* STP-5A01(229)  
*Contract ID Number:* C00099256DB53

*Submitted to:* Virginia Department of Transportation  
*Date:* October 4, 2012

October 4, 2012

Brenda L. Williams  
Commonwealth of Virginia  
Virginia Department of Transportation (VDOT)  
Central Office Mail Center  
Loading Dock Entrance  
1401 East Broad Street  
Richmond, VA 23219

**RE: Letter of Submittal and Attachments  
A Design-Build Project  
Sycolin Road Overpass of the Route 7/15 Bypass in Leesburg (Loudon County, VA)  
From: 0.096 miles north of Hope Parkway  
To: 0.016 miles north of Gateway Drive  
State Project No.: 6007-053-S96  
Federal Project No.: STP-5A01(229)  
Contract ID No: C00099256DB53**

Dear Ms. Williams:

Corman Construction, Inc. (Corman) is pleased to submit one original copy of our Letter of Submittal and Attachments, one CD-ROM of our Letter of Submittal and Attachments in PDF, one original copy of our Price Proposal, and one CD-ROM of our Price Proposal in PDF to provide design-build services for the **Sycolin Road Overpass of the Route 7/15 Bypass in Leesburg** project. Corman has thoroughly reviewed the Request for Proposal (RFP), including Addendum #1 (9/7/12), attended the Pre-Proposal and Utility Meetings, visited the project site, addressed all potential impacts with utility owners/third parties, become familiar with all federal, state and local laws and regulations that may affect cost, progress, or performance, notified VDOT of any conflicts in the RFP, and determined that the RFP documents are sufficient to indicate and convey the understanding of all terms and conditions for performance of work.

The following is requested information and/or attachments separated by numbered tabs with sections corresponding to the order set forth in Section 4.1:

**Letter of Submittal Checklist and Acknowledgement of Receipt of RFP, Revisions, and/or Addenda (Form C-78-RFP)** - Completed and included as Attachments 4.0.1.1 and 3.4.

**4.1.2 Declaration of Intent** - Corman declares that, if selected, we will enter into a contract with VDOT for the project in accordance with the terms of this RFP.

**4.1.3 Price Proposal Effective Date** – Pursuant to Part 1, Section 8.2, Corman declares that the offer represented by our Price Proposal will remain in full force and effect for one hundred twenty (120) days after the date the Proposal is submitted to VDOT (October 4, 2012).

**4.1.4 Official Representative and Point of Contact** – Louis Robbins, DBIA - Vice President Design-Build - 12001 Guilford Road, Annapolis Junction, MD 20701. He can be reached at: 301-953-0900 (T), 301-953-0384 (F), 703-772-8566 (C), or [lrobbins@cormanconstruction.com](mailto:lrobbins@cormanconstruction.com).

**4.1.5 Principal Officer Information** - William G. Cox, President of Corman Construction, Inc., 12001 Guilford Road, Annapolis Junction, Maryland 20701, is the principal officer of the legal entity (Offeror) with whom a DB contract with VDOT will be written. He can be reached at: Telephone: 410-792-9400 x233, Mobile: 301-343-5401.

**4.1.6 Corporate Structure** - Corman will be the design-build contracting entity for the **Design-Build Sycolin Road Overpass of the Route 7/15 Bypass in Leesburg** project. Corman is a corporation titled in Delaware, a wholly-owned subsidiary of CG Enterprises, Inc. and will be the sole major participant firm and responsible party to the design-build contract with the Virginia Department of Transportation (VDOT). Corman will hold all financial responsibility for the contract (a surety letter is attached). In addition, we are an active participant in the eVA Internet procurement solution program (Registration Number E27577).

**4.1.7 Lead Contractor and Lead Designer** – Corman Construction, Inc. is the Lead Contractor for this Project, meaning the prime/general contractor responsible for overall construction.

Volkert & Associates, Inc. (Volkert) will be our Lead Designer for this Project, meaning the prime design consulting firm responsible for the overall design.

**4.1.8 VDOT Prequalification Evidence** - Corman is pre-qualified with VDOT (Vendor Number C097 – active) to provide Grading, Major Structures, Minor Structures and Underground Utilities. The standard VDOT prequalification certificate is presented in Attachment 4.2.3 of the Attachments to the Letter of Submittal section.

**4.1.9 DBE Requirements** – Corman is committed to achieving a twenty percent (20%) DBE participation goal for the entire value of the contract.

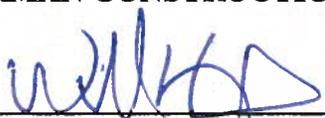
**4.1.10 Interim Milestone (8/15/14), Substantial Completion (10/14/14), and Final Completion Dates (10/14/14).**

Our signature below affirms the information supplied in this proposal is true and accurate to the best of our knowledge. This proposal is signed in ink by an authorized representative of Corman.

The Corman Team (Corman and Volkert) is enthusiastic about the opportunity to participate in the design-build process for the **Sycolin Road Overpass of the Route 7/15 Bypass in Leesburg** project and is confident our team will complete this project on time and within budget. Collectively, Corman and Volkert bring the leadership, skills and shared core values to assist VDOT in delivering projects that set the standards for others to follow.

Sincerely,

**CORMAN CONSTRUCTION, INC.**

  
\_\_\_\_\_  
William G. Cox, President

**ATTACHMENT 4.0.1.1**  
**SYCOLIN ROAD OVERPASS OF THE ROTUE 7-15 BYPASS IN LEESBURG**  
**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<br/>Cross Reference</b> | <b>Page<br/>Reference</b> |
|--|-----------------------------------|---------------------------------------|---------------------------|
| <b>Letter of Submittal Checklist and Contents</b>                                | Attachment 4.0.1.1                | Section 4.0.1.1                       | 3-4                       |
| <b>Acknowledgement of RFP, Revisions, and/or Addenda</b>                         | Attachment 3.4<br>(Form C-78-RFP) | Sections 3.4; 4.0.1.1                 | 5                         |
| <b>Letter of Submittal</b>   | NA                                | Sections 4.1                          | 1-2                       |
| Letter of Submittal on Offeror's letterhead                                      | NA                                | Section 4.1.1                         | 1-2                       |
| Offeror's full legal name and address  | NA                                | Section 4.1.1                         | 1-2                       |
| 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                         | 2                         |
| Principal Officer information  | NA                                | Section 4.1.5                         | 2                         |
| Offeror's Corporate Structure  | NA                                | Section 4.1.6                         | 2                         |
| Full Legal Name of Lead Contractor and Lead Designer                             | NA                                | Section 4.1.7                         | 2                         |
| Offeror's VDOT prequalification information                                      | NA                                | Section 4.1.8                         | 2                         |
| DBE statement confirming Offeror is committed to achieving the required DBE goal | NA                                | Section 4.1.9                         | 2                         |
| Substantial and Final Completion Date(s)   | NA                                | Section 4.1.10                        | 2                         |

**ATTACHMENT 4.0.1.1**  
**SYCOLIN ROAD OVERPASS OF THE ROTUE 7-15 BYPASS IN LEESBURG**  
**LETTER OF SUBMITTAL CHECKLIST AND CONTENTS**

| <b>Letter of Submittal Component</b>                    | <b>Form (if any)</b>                       | <b>RFP Part 1<br/>Cross Reference</b> | <b>Page<br/>Reference</b> |
|---|--|---------------------------------------|---------------------------|
| <b>Attachments to the Letter of Submittal</b>           | NA   | Section 4.2                           | 6-102                     |
| Affiliated and/ or Subsidiary Companies                 | Attachment 4.2.1                           | Section 4.2.1                         | 6                         |
| Certification Regarding Debarment Forms                 | Attachment 4.2.2(a)<br>Attachment 4.2.2(b) | Section 4.2.2                         | 7-13                      |
| Offeror's VDOT prequalification information             | NA   | Section 4.2.3                         | 14                        |
| Evidence of obtaining bonding                           | NA   | Section 4.2.4                         | 15-17                     |
| Full size copies of DPOR licenses and SCC registrations | NA   | Section 4.2.5                         | 19-32                     |
| SCC registration information - businesses               | Attachment 4.2.5                           | Section 4.2.5.1                       | 18                        |
| DPOR registration information - businesses              | Attachment 4.2.5                           | Section 4.2.5.2                       | 18                        |
| Lead Contractor Work History Form                       | Attachment 4.2.6(a)                        | Section 4.2.6                         | 33-35                     |
| Lead Designer Work History Form                         | Attachment 4.2.6(b)                        | Section 4.2.6                         | 36-38                     |
| Conceptual Roadway Plans                                | NA   | Section 4.2.7                         | 39-90                     |
| Conceptual Bridge Plans                                 | NA   | Section 4.2.8                         | 91-102                    |

**ATTACHMENT 3.4**

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

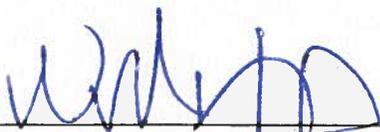
RFP NO. C00099256DB53  
PROJECT NO.: 6007-053-S96

**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 3.4, 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 July 31, 2012 – RFP  
(Date)
2. Cover letter of September 7, 2012 – Addendum #1  
(Date)
3. Cover letter of \_\_\_\_\_  
(Date)

  
\_\_\_\_\_  
SIGNATURE  
William G. Cox, President

October 4, 2012  
DATE



**ATTACHMENT 4.2.1**

**State Project No. 6007-053-S96**

**Affiliated and Subsidiary Companies of the Offeror**

Offerors shall complete the table and include the addresses of affiliates or subsidiary companies as applicable. By completing this table, Offerors certify that all affiliated and subsidiary companies of the Offeror are listed.

|  |
|--|
| <input type="checkbox"/> <b>The Offeror does not have any affiliated or subsidiary companies.</b>                  |
| <input checked="" type="checkbox"/> <b>Affiliated and/or subsidiary companies of the Offeror are listed below.</b> |

| <b>Relationship with Offeror<br/>(Affiliate or Subsidiary)</b> | <b>Full Legal Name</b>                 | <b>Address</b>   |
|--|--|--|
| Affiliate (Parent)   | CG Enterprises, Inc.                   | 12001 Guilford Road, Annapolis Junction, MD 20701      |
| Affiliate (Sister)   | Corman Marine Construction, Inc.       | 711 East Ordnance Road, Suite 715, Baltimore, MD 21226 |
| Affiliate (Joint Venture)                                      | CK Constructors, A Joint Venture       | 12001 Guilford Road, Annapolis Junction, MD 20701      |
| Affiliate (Joint Venture)                                      | Intercounty Constructors Joint Venture | 120 White Plains Road, Suite 310, Tarrytown, NY 10591  |
| Affiliate (Joint Venture)                                      | MD 200 Constructors, A Joint Venture   | 11710 Beltsville Drive, Beltsville, MD 20705           |
| Affiliate (Joint Venture)                                      | Wagman, Corman, McLean Joint Venture   | 3290 North Susquehanna Trail, York, PA 17406           |
|  |  |  |
|  |  |  |
|  |  |  |

**ATTACHMENT 4.2.2(a)**  
**CERTIFICATION REGARDING DEBARMENT**  
**PRIMARY COVERED TRANSACTIONS**

**Project No.: 6007-053-S96**

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.

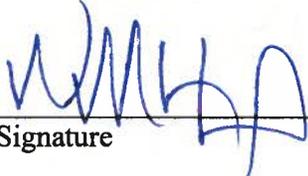
b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under 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.

|   |         |           |
|---|---------|-----------|
|  | 9/14/12 | President |
| Signature   | Date    | Title     |

Corman Construction, Inc.

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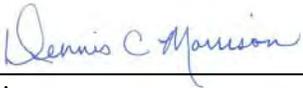
Name of Firm

**ATTACHMENT NO. 4.2.2(b)**  
**CERTIFICATION REGARDING DEBARMENT**  
**LOWER TIER COVERED TRANSACTIONS**

**Project No.: 6077-053-S96**

- 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.

|   |               |                       |
|---|---------------|-----------------------|
|  | Sept. 3, 2012 | Senior Vice President |
| Signature   | Date          | Title                 |

Volkert, Inc.  
Name of Firm

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**ATTACHMENT NO. 4.2.2(b)**  
**CERTIFICATION REGARDING DEBARMENT**  
**LOWER TIER COVERED TRANSACTIONS**

**Project No.: 6007-053-S96**

- 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.

|   |         |           |
|---|---------|-----------|
|  | 8/24/12 | President |
| Signature   | Date    | Title     |

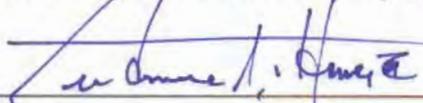
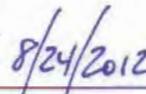
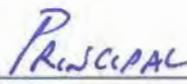
GeoConcepts Engineering, Inc.  
Name of Firm

ATTACHMENT NO. 4.2.2(b)  
CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

Project No.: 6007-053-S96

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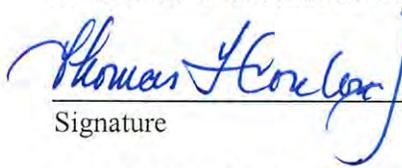
|   |   |  |
|---|---|--|
|  |  |  |
| Signature   | Date  | Title  |
| <hr/>   |   |  |
| UTILITY PROFESSIONAL SERVICES, INC.   |   |  |
| Name of Firm  |   |  |

ATTACHMENT NO. 4.2.2(b)  
CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

**Project No.: 6007-053-S96**

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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.

|   |           |                |
|---|-----------|----------------|
|  | 8/27/2012 | VICE PRESIDENT |
| Signature   | Date      | Title          |
| <hr/>   |           |                |
| CERVANTES & ASSOCIATES, P.C.  |           |                |
| Name of Firm  |           |                |

**ATTACHMENT NO. 4.2.2(b)**  
**CERTIFICATION REGARDING DEBARMENT**  
**LOWER TIER COVERED TRANSACTIONS**

**Project No.: 6007-053-S96**

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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

8/24/2012

Date

Managing Partner

Title

Appraisal Review Specialists, LLC

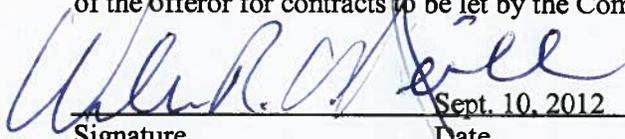
Name of Firm

**ATTACHMENT NO. 4.2.2(b)**  
**CERTIFICATION REGARDING DEBARMENT**  
**LOWER TIER COVERED TRANSACTIONS**

**Project No.: 6077-053-S96**

- 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.

|   |                |                |
|---|----------------|----------------|
|  | Sept. 10, 2012 | Member-Manager |
| Signature   | Date           | Title          |

O'Neill & Associates, L.C.  
Name of Firm



COMMONWEALTH OF VIRGINIA



## CERTIFICATE OF QUALIFICATION

### CORMAN CONSTRUCTION, INC.

Vendor Number: **C097**

In accordance with the Regulations of the Virginia Department of Transportation, you are hereby notified that the following Rating and Classifications have been assigned to you by the Commissioner:

#### PREQUALIFIED

**Work Classes:** GRADING; MAJOR STRUCTURES; MINOR STRUCTURES; UNDERGROUND UTILITIES

**Issue Date:** 03/31/2012

**This Rating and Classification will Expire:** 03/31/2013

Suzanne FR Lucas Prequalification Officer

Don E. Silles, State Contract Officer

# RUTHERFOORD

A Marsh & McLennan Agency LLC Company

October 4, 2012

Virginia Department of Transportation  
1221 East Broad Street  
Main Building, 4<sup>th</sup> Floor  
Richmond, VA 23219

RE: Corman Construction, Inc.

Project: RFP - Design/Build Project-Sycolin Road Overpass of the Route 7/15 Bypass  
In Leesburg

From: 0.096 miles north of Hope Parkway  
To: 0.016 miles north of Gateway Drive  
State Project No. 6007-053-S96  
Federal Project No. STP-5A01(229)  
Contract ID Number: C00099256DB53

It is our understanding that Corman Construction, Inc. is submitting a proposal on the referenced project. As surety for the above named Contractor, Fidelity and Deposit Company of Maryland with an A.M. Best Rating of A and Financial Size Category of XV is capable of obtaining a 100% Performance Bond and 100% Labor and Materials Payment Bond in the amount of the anticipated cost of construction with a current estimate of \$16,000,000. and said bonds will cover the Project and any warranty periods on behalf of the Contractor, in the event that such firm be the successful bidder and enter into a contract for this project.

Our firm in conjunction with Fidelity and Deposit Company of Maryland have handled all of Corman Construction, Inc.'s bonding needs for over ten years. Based on their excellent financial strength and track record of profitability, Fidelity and Deposit Company of Maryland has extended a bond program of \$150,000,000 single/\$400,000,000. total program. These are not the maximum limits they would consider but rather are general parameters to handle the company's day to day bonding needs.

In closing, we highly recommend this contractor and should you desire more specific information feel free to give me a call.

Sincerely,



Patricia L. Lewis  
Attorney-In-Fact

RICHMOND OFFICE

1001 Haxall Point | Suite 800 | Richmond, VA 23219 | 804-780-0611 | Fax: 804-788-8944 | [www.rutherford.com](http://www.rutherford.com)

**ZURICH AMERICAN INSURANCE COMPANY  
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY  
FIDELITY AND DEPOSIT COMPANY OF MARYLAND  
POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Maryland, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Maryland (herein collectively called the "Companies"), by **Geoffrey Delisio, Vice President**, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint Patricia L. Lewis its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: any and all bonds and undertakings, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland, in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 17th day of May, A.D. 2012.

ATTEST:

**ZURICH AMERICAN INSURANCE COMPANY  
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY  
FIDELITY AND DEPOSIT COMPANY OF MARYLAND**



By: Gerald F. Haley  
Assistant Secretary  
Gerald F. Haley

Geoffrey Delisio  
Vice President  
Geoffrey Delisio

State of Maryland  
County of Baltimore

On this 17th day of May, A.D. 2012, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, **Geoffrey Delisio, Vice President and Gerald F. Haley, Assistant Secretary** of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, depose and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.

Constance A. Dunn

Constance A. Dunn, Notary Public  
My Commission Expires: July 14, 2015



**EXTRACT FROM BY-LAWS OF THE COMPANIES**

"Article V, Section 8, Attorneys-in-Fact. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify or revoke any such appointment or authority at any time."

**CERTIFICATE**

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 4th day of October, 2012.



*Thomas O. McClellan*

Thomas O. McClellan, Vice President

## ATTACHMENT 4.2.5

### State Project No. 6007-053-S96

#### SCC and DPOR Information

Offerors shall complete the table and include the required state registration and licensure information. By completing this table, Offerors certify that their team complies with the requirements set forth in Section 4.2.5 and that all businesses listed are active and in good standing.

| <b>SCC &amp; DPOR INFORMATION FOR BUSINESSES (RFP Sections 4.2.5.1 and 4.2.5.2)</b> |                                  |                                |                   |  |  |                                 |                             |
|---|----------------------------------|--------------------------------|-------------------|--|--|---------------------------------|-----------------------------|
| <b>Business Name</b>  | <b>SCC Information (4.2.5.1)</b> |                                |                   | <b>DPOR Information (4.2.5.2)</b>                                |  |                                 |                             |
|   | <b>SCC Number</b>                | <b>SCC Type of Corporation</b> | <b>SCC Status</b> | <b>DPOR Registered Address</b>                                   | <b>DPOR Registration Type</b>              | <b>DPOR Registration Number</b> | <b>DPOR Expiration Date</b> |
| Corman Construction, Inc.   | F046798-7                        | Incorporated                   | Active            | 12001 Guilford Road<br>Annapolis Junction, MD 20701              | Class A<br>Contractors<br>License          | 2701014794A                     | 10/31/2013                  |
| Volkert, Inc.   | F136659-2                        | Incorporated                   | Active            | 5400 Shawnee Road<br>Suite 301<br>Alexandria, VA 22312           | Business Entity<br>- Eng, LA               | 0407002610                      | 12/31/2013                  |
| GeoConcepts Engineering, Inc.   | 0516767-1                        | Incorporated                   | Active            | 19955 Highland Vista Drive<br>Suite 170<br>Ashburn, VA 20147     | Business Entity<br>- Eng                   | 0407004404                      | 12/31/2013                  |
| Utility Professional Services, Inc.   | 0588987-8                        | Incorporated                   | Active            | PO Box 923<br>Colonial Beach, VA 22443                           | Business Entity<br>- Eng                   | 0407005942                      | 12/31/2013                  |
| Cervantes & Associates, P.C.  | 0209123-9                        | Professional Corporation       | Active            | 4229 Lafayette Center Drive<br>Suite 1125<br>Chantilly, VA 20151 | Professional Corporation –<br>Arc, Eng, LS | 0405000317                      | 12/31/2013                  |
| Appraisal Review Specialists, LLC   | T049068-2                        | Limited Liability Corporation  | Active            | 3058 Mount Vernon Road<br>Suite 12<br>Hurricane, WV 25526        | Real Estate Appraiser Board<br>Business    | 4008001735                      | 4/30/2014                   |
| O’Neill & Associates, L.C.  | S009663-8                        | Limited Liability Corporation  | Active            | 8705 Fox Ridge Road<br>Springfield, VA 22152                     | Real Estate Appraiser Board<br>Business    | 4008001606                      | 12/31/2013                  |
|   |                                  |                                |                   |  |  |                                 |                             |



Commonwealth of Virginia  
State Corporation Commission



CISM0180

CORPORATE DATA INQUIRY

09/06/12

15:41:29

CORP ID: F046798 - 7 STATUS: 00 ACTIVE STATUS DATE: 01/06/06  
 CORP NAME: CORMAN CONSTRUCTION, INC.

DATE OF CERTIFICATE: 11/02/1984 PERIOD OF DURATION: INDUSTRY CODE: 00  
 STATE OF INCORPORATION: DE DELAWARE STOCK INDICATOR: S STOCK  
 MERGER IND: CONVERSION/DOMESTICATION IND:  
 GOOD STANDING IND: Y MONITOR INDICATOR:  
 CHARTER FEE: MON NO: MON STATUS: MONITOR DTE:  
 R/A NAME: CT CORPORATION SYSTEM

STREET: 4701 COX RD STE 301 AR RTN MAIL:

CITY: GLEN ALLEN STATE : VA ZIP: 23060 6802

R/A STATUS: 5 B.E. AUTH IN VI EFF. DATE: 01/05/04 LOC : 143

ACCEPTED AR#: 212 12 1045 DATE: 07/17/12 HENRICO COUNTY

CURRENT AR#: 212 12 1045 DATE: 07/17/12 STATUS: A ASSESSMENT INDICATOR: 0

| YEAR | FEE    | PENALTY | INTEREST | TAXES | BALANCE | TOTAL SHARES |
|------|--------|---------|----------|-------|---------|--------------|
| 11   | 100.00 |         |          |       |         | 1,000        |

(Screen Id:/Corp\_Data\_Inquiry)



Commonwealth of Virginia  
State Corporation Commission

Virg

CISM0180

CORPORATE DATA INQUIRY

09/06/12

15:53:31

CORP ID: F136659 - 2 STATUS: 00 ACTIVE STATUS DATE: 01/21/99  
CORP NAME: Volkert, Inc.

DATE OF CERTIFICATE: 01/21/1999 PERIOD OF DURATION: INDUSTRY CODE: 00  
STATE OF INCORPORATION: AL ALABAMA STOCK INDICATOR: S STOCK  
MERGER IND: S SURVIVOR CONVERSION/DOMESTICATION IND:  
GOOD STANDING IND: Y MONITOR INDICATOR:  
CHARTER FEE: 50.00 MON NO: MON STATUS: MONITOR DTE:  
R/A NAME: CORPORATION SERVICE COMPANY

STREET: BANK OF AMERICA CENTER, 16TH FLOOR AR RTN MAIL:  
1111 EAST MAIN ST.

CITY: RICHMOND STATE : VA ZIP: 23219

R/A STATUS: 5 B.E. AUTH IN VI EFF. DATE: 07/13/11 LOC : 216  
ACCEPTED AR#: 212 02 6546 DATE: 01/23/12 RICHMOND CITY  
CURRENT AR#: 212 02 6546 DATE: 01/23/12 STATUS: A ASSESSMENT INDICATOR: 0  
YEAR FEES PENALTY INTEREST TAXES BALANCE TOTAL SHARES  
12 100.00 2,250

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(Screen Id:/Corp\_Data\_Inquiry)



Commonwealth of Virginia  
State Corporation Commission



CISM0180

CORPORATE DATA INQUIRY

09/06/12

15:45:45

CORP ID: 0516767 - 1 STATUS: 00 ACTIVE STATUS DATE: 02/25/99  
 CORP NAME: GEOCONCEPTS ENGINEERING, INC.

DATE OF CERTIFICATE: 02/25/1999 PERIOD OF DURATION: INDUSTRY CODE: 00  
 STATE OF INCORPORATION: VA VIRGINIA STOCK INDICATOR: S STOCK  
 MERGER IND: CONVERSION/DOMESTICATION IND:  
 GOOD STANDING IND: Y MONITOR INDICATOR:  
 CHARTER FEE: 50.00 MON NO: MON STATUS: MONITOR DTE:  
 R/A NAME: VIVIAN LEWIS

STREET: GEOCONCEPTS ENGINEERING INC AR RTN MAIL:  
 19955 HIGHLAND VISTA DR #170  
 CITY: ASHBURN STATE : VA ZIP: 20147  
 R/A STATUS: 2 OFFICER EFF. DATE: 11/24/04 LOC : 153  
 ACCEPTED AR#: 212 01 8189 DATE: 01/05/12 LOUDOUN COUNTY  
 CURRENT AR#: 212 01 8189 DATE: 01/05/12 STATUS: A ASSESSMENT INDICATOR: 0  

| YEAR | FEE    | PENALTY | INTEREST | TAXES | BALANCE | TOTAL SHARES |
|------|--------|---------|----------|-------|---------|--------------|
| 12   | 100.00 |         |          |       |         | 5,000        |

(Screen Id:/Corp\_Data\_Inquiry)



Commonwealth of Virginia  
**State Corporation Commission**



CISM0180

CORPORATE DATA INQUIRY

09/06/12

15:46:54

CORP ID: 0588987 - 8 STATUS: 00 ACTIVE STATUS DATE: 12/31/02  
CORP NAME: Utility Professional Services, Inc.

DATE OF CERTIFICATE: 12/31/2002 PERIOD OF DURATION: INDUSTRY CODE: 00  
STATE OF INCORPORATION: VA VIRGINIA STOCK INDICATOR: S STOCK  
MERGER IND: CONVERSION/DOMESTICATION IND:  
GOOD STANDING IND: Y MONITOR INDICATOR:  
CHARTER FEE: 50.00 MON NO: MON STATUS: MONITOR DTE:  
R/A NAME: FREDERIC N HOWE III

STREET: 311 CANNON CIRCLE AR RTN MAIL:

CITY: FREDERICKSBURG STATE : VA ZIP: 22401 2102  
R/A STATUS: 2 OFFICER EFF. DATE: 12/24/03 LOC : 206  
ACCEPTED AR#: 211 18 6174 DATE: 11/02/11 FREDERICKSBURG  
CURRENT AR#: 211 18 6174 DATE: 11/02/11 STATUS: A ASSESSMENT INDICATOR: 0  
YEAR FEES PENALTY INTEREST TAXES BALANCE TOTAL SHARES  
11 100.00 100

(Screen Id:/Corp\_Data\_Inquiry)



Commonwealth of Virginia  
**State Corporation Commission**

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CISM0180

CORPORATE DATA INQUIRY

09/07/12

14:04:51

CORP ID: 0209123 - 9 STATUS: 00 ACTIVE STATUS DATE: 09/07/12  
 CORP NAME: CERVANTES & ASSOCIATES, P.C.

DATE OF CERTIFICATE: 08/28/1980 PERIOD OF DURATION: INDUSTRY CODE: 70  
 STATE OF INCORPORATION: VA VIRGINIA STOCK INDICATOR: S STOCK  
 MERGER IND: CONVERSION/DOMESTICATION IND:  
 GOOD STANDING IND: N NO A-REPORT MONITOR INDICATOR:  
 CHARTER FEE: MON NO: MON STATUS: MONITOR DTE:  
 R/A NAME: W THOMAS PARROTT III

STREET: 8065 LEESBURG PIKE 4TH FL AR RTN MAIL:  
 CITY: TYSONS CORNER STATE : VA ZIP: 22182 2738  
 R/A STATUS: 4 ATTORNEY EFF. DATE: 03/18/03 LOC : 129  
 ACCEPTED AR#: 211 13 5231 DATE: 07/22/11 FAIRFAX COUNTY  
 CURRENT AR#: 211 13 5231 DATE: 07/22/11 STATUS: A ASSESSMENT INDICATOR: 0

| YEAR | FEES   | PENALTY | INTEREST | TAXES | BALANCE | TOTAL SHARES |
|------|--------|---------|----------|-------|---------|--------------|
| 12   | 220.00 | 22.00   |          |       |         | 25,000       |

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(Screen Id:/Corp\_Data\_Inquiry)



Commonwealth of Virginia  
State Corporation Commission



09/07/12

LLCM3220

LLC DATA INQUIRY

14:02:15

LLC ID: T049068 - 2 STATUS: 00 ACTIVE STATUS DATE: 02/03/12  
LLC NAME: Appraisal Review Specialists, LLC

DATE OF FILING: 02/03/2012 PERIOD OF DURATION: 99/99/9999 INDUSTRY CODE: 00

STATE OF FILING: WV WEST VIRGINIA MERGER INDICATOR:

CONVERSION/DOMESTICATION INDICATOR:

P R I N C I P A L O F F I C E A D D R E S S

STREET: 3058 MOUNT VERNON RD

CITY: HURRICANE STATE: WV ZIP: 25526-0000

R E G I S T E R E D A G E N T I N F O R M A T I O N

R/A NAME: INCORP SERVICES INC

STREET: 7288 HANOVER GREEN DR

RTN MAIL:

CITY: MECHANICSVILLE STATE: VA ZIP: 23111-0000

R/A STATUS: 5 ENTITY AUTHORIZ EFF DATE: 02/03/12 LOC: 142 HANOVER COUNTY

YEAR FEES PENALTY INTEREST BALANCE

00

(Screen Id:/LLC\_Data\_Inquiry)



Commonwealth of Virginia  
State Corporation Commission



09/13/12

15:03:26

LLCM3220

LLC DATA INQUIRY

LLC ID: S009663 - 8 STATUS: 00 ACTIVE STATUS DATE: 07/31/95  
LLC NAME: O'NEILL & ASSOCIATES, L.C.

DATE OF FILING: 07/31/1995 PERIOD OF DURATION: 12/31/2015 INDUSTRY CODE: 00  
STATE OF FILING: VA VIRGINIA MERGER INDICATOR:

CONVERSION/DOMESTICATION INDICATOR:

P R I N C I P A L O F F I C E A D D R E S S

STREET: 8705 FOX RIDGE RD

CITY: SPRINGFIELD STATE: VA ZIP: 22152-0000

R E G I S T E R E D A G E N T I N F O R M A T I O N

R/A NAME: WILLIAM R O'NEILL

STREET: 8705 FOX RIDGE RD

RTN MAIL:

CITY: SPRINGFIELD STATE: VA ZIP: 22152-0000

R/A STATUS: 1 MEMBER/MANAGER EFF DATE: 10/09/97 LOC: 129 FAIRFAX COUNTY

YEAR FEES PENALTY INTEREST BALANCE

12 50.00

(Screen Id:/LLC\_Data\_Inquiry)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
10-31-2013

9860 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

NUMBER  
2701 014794A

BOARD FOR CONTRACTORS  
CLASS A CONTRACTORS LICENSE

CORMAN CONSTRUCTION INC

12001 GUILFORD RD

ANNAPOLIS JUNCTION MD 20701 0160

\*CLASSIFICATIONS\* H/H

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(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)



*Gordon N. Dixon*  
Gordon N. Dixon, Director

(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR CONTRACTORS - CLASS A

CONTRACTOR LICENSE - CLASSIFICATIONS: H/H



NUMBER: 2701 014794A EXPIRES: 10-31-2013

CORMAN CONSTRUCTION INC

12001 GUILFORD RD

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9860 Mayland Dr., Suite 400, Richmond, VA 23233

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COMMONWEALTH OF VIRGINIA

EXPIRES ON  
12-31-2013

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

NUMBER  
0407002610

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
BUSINESS ENTITY REGISTRATION

PROFESSIONS: ENG, LA

VOLKERT INC  
5400 SHAWNEE RD  
STE 301  
ALEXANDRIA, VA 22312



*Gordon N. Dixon*  
Gordon N. Dixon, Director

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
12-31-2013

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

NUMBER  
0407004404

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
BUSINESS ENTITY REGISTRATION

PROFESSIONS: ENG

GEOCONCEPTS ENGINEERING INC  
1995 HIGHLAND VISTA DRIVE  
SUITE 170  
ASHBURN, VA 20147



*Gordon N. Dixon*  
Gordon N. Dixon, Director

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(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR APELSCIDLA  
BUSINESS ENTITY REGISTRATION  
NUMBER: 0407004404 EXPIRES: 12-31-2013  
PROFESSIONS: ENG  
GEOCONCEPTS ENGINEERING INC  
1995 HIGHLAND VISTA DRIVE  
SUITE 170  
ASHBURN, VA 20147



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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
9960 Mayland Dr., Suite 400, Richmond, VA 23233

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
12-31-2013

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

NUMBER  
0407005942

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
BUSINESS ENTITY REGISTRATION

PROFESSIONS: ENG

UTILITY PROFESSIONAL SERVICES INC  
UTILITY PROS  
P O BOX 923  
COLONIAL BEACH, VA 22443



*Gordon N. Dixon*  
Gordon N. Dixon, Director

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(POCKET CARD)

COMMONWEALTH OF VIRGINIA  
BOARD FOR APPEALS  
BUSINESS ENTITY REGISTRATION  
NUMBER: 0407005942 EXPIRES: 12-31-2013  
PROFESSIONS: ENG  
UTILITY PROFESSIONAL SERVICES INC UTILITY PROS  
P O BOX 923  
COLONIAL BEACH, VA 22443



(FOLD)

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
9960 Mayland Dr., Suite 400, Richmond, VA 23233

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
12-31-2013

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

NUMBER  
0405000317

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
PROFESSIONAL CORPORATION REGISTRATION

PROFESSIONS: ARC, ENG, LS

CERVANTES & ASSOCIATES P C  
4229 LAFAYETTE CENTER DRIVE  
SUITE 1125  
CHANTILLY, VA 20151



*Gordon N. Dixon*  
Gordon N. Dixon, Director

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON

04-30-2014

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

NUMBER

4008 001735

REAL ESTATE APPRAISER BOARD  
BUSINESS REGISTRATION

APPRAISAL REVIEW SPECIALISTS LLC  
3058 MOUNT VERNON ROAD SUITE 12  
HURRICANE WV 25523



*Gordon N. Dixon*  
Gordon N. Dixon, Director

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(POCKET CARD)

COMMONWEALTH OF VIRGINIA

REAL ESTATE APPRAISER BOARD  
BUSINESS REGISTRATION  
NUMBER: 4008 001735 EXPIRES: 04-30-2014  
APPRAISAL REVIEW SPECIALISTS LLC  
3058 MOUNT VERNON ROAD SUITE 12  
HURRICANE WV 25523



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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
9960 Mayland Dr., Suite 400, Richmond, VA 23233

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION

COMMONWEALTH OF VIRGINIA

8960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

EXPIRES ON

12-31-2013

NUMBER

4008 001606

REAL ESTATE APPRAISER BOARD  
BUSINESS REGISTRATION

ONEILL & ASSOCIATES L C

8705 FOX RIDGE RD

SPRINGFIELD VA 22152



*Gordon N. Dixon*  
Gordon N. Dixon, Director

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(POCKET CARD)

COMMONWEALTH OF VIRGINIA

REAL ESTATE APPRAISER BOARD  
BUSINESS REGISTRATION

NUMBER: 4008 001606 EXPIRES: 12-31-2013

ONEILL & ASSOCIATES L C

8705 FOX RIDGE RD

SPRINGFIELD VA 22152



(FOUR)

(DETACH HERE)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
8960 Mayland Dr., Suite 400, Richmond, VA 23233

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**ATTACHMENT 4.2.6(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

| a. Project Name & Location   | b. Name of the prime design consulting firm responsible for the overall project design. | c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.   | d. Contract Completion Date (Original)       | e. Contract Completion Date (Actual or Estimated) | f. Contract Value (in thousands)                        |   | g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands) |
|--|---|---|--|---|---|---|---|
|  |   |   |  |   | Original Contract Value                                 | Final or Estimated Contract Value                       |   |
| <b>Design-Build Intercounty Connector Contract B (ICC-B)</b><br><br><b>Montgomery County, MD</b> | <b>Parsons Transportation Group</b>   | <b>Maryland State Highway Administration</b><br><b>Phone: 301-586-9267</b><br><b>Director: Mark Coblentz</b><br><b>Phone: 443-844-9886 (Cell)</b><br><b>Email: MCoblentz@iccproject.com</b> | <b>11/11/11 – Acceptance for Maintenance</b> | <b>11/11/11 – Acceptance for Maintenance</b>      | <b>\$559,000</b><br><br><b>(\$198,090 bridge value)</b> | <b>\$558,000</b><br><br><b>(\$198,090 bridge value)</b> | <b>Joint Venture (JV) - \$558,000</b><br><br><b>Corman - 20% or \$111,600</b><br><b>Other JV Partners – 80%</b>     |

h. Narrative describing the Work Performed by the Firm identified as the Lead Contractor for this procurement. If the Offeror chooses to submit work completed by an affiliated or subsidiary company of the Lead Contractor, identify the full legal name of the affiliate or subsidiary and the role they will have on this Project, so the relevancy of that work can be considered accordingly.



**PROJECT NARRATIVE**

This \$560 million design-build roadway project for the Maryland State Highway Administration (MDSHA) was recently completed by MD200 Constructors, a Joint Venture consisting of Kiewit Infrastructure South, Corman Construction, and G.A. & F.C. Wagman. ICC-B included building seven miles of automated toll road which connects existing and proposed development between the I-270/370 technology corridor and the I-95/US-1 commercial corridor. By removing commuter traffic from the local roads of neighboring residential areas, the new roadway greatly alleviates congestion and improves mobility and safety.

The project featured extensive community outreach, stakeholder and third-party coordination, phased maintenance of traffic (MOT) for all crossings and interchange points, and a stringent environmental compliance program. With the seven mile, six-lane roadway bisecting two special protection areas, ICC-B was an extremely environmentally-sensitive segment of the entire ICC project.

Major scope included:

- 10 mainline bridges with 600,000 SF of deck and 150-ft average spans;
- 98 EA – 72” diameter bridge caissons;
- Design and phased construction of 5 arterial roadways with pedestrian access;
- 2.4 million CY of excavation and 2 million CY of embankment;
- 7 miles of sound barrier walls and 65,000 SF of MSE walls;
- 3 miles of 10-ft. wide pedestrian/bike shared-use path;
- 6 Electronic Toll Collection Gantries and 7 miles of roadway lighting;
- Multiple interstate-grade overhead, cantilever, and ground mounted sign systems;
- Extensive geotechnical investigation, design, and review along a seven mile corridor;
- Coordination with over 10 utility companies.

**KEYS TO PROJECT SUCCESS (PROJECT PRIORITIES)**

Due to the high volume of traffic in the surrounding area, MOT was crucial to the project's success. Multi-modal access was maintained with temporary vehicular roads and walkways/paths for pedestrians and bicyclists. Four temporary elevated detours and one surface detour were installed over the ICC mainline at the major roadway intersections during beam setting and overhead work to eliminate lane closures. In constrained and environmentally-sensitive areas, underground stormwater management structures were utilized.

Design-build scope included a contractor-led \$20 million Quality Control program and an overall Project Quality Manager reporting to the Executive Committee and client. Design, construction, and program management were assessed by the client where contract conformance was scored using a quality oversight database. This design-build project ended with the project team earning an impressive 95% conformance rating and meeting all key project goals. This reflects the team's dedication to following the quality plan for design and construction. The ICC-B project also earned an "A" cumulative rating on over 150 erosion and sediment control inspections validating the Joint Venture's commitment to the environment.

Public involvement and community outreach, along with third-party and stakeholder communication, was a top priority in maintaining positive public relations and remain on schedule. With the project located in between two other mega projects totaling \$1.5 Billion collectively, coordination of the design at the connection points for the roadways interfacing our design and construction were vital. Proactive coordination among all ICC contracts was key to opening on time. Progress/coordination meetings with the adjacent sections' design-build teams discussed scheduling, safety, quality, MOT, access and design. The team also coordinated with over 10 utility companies for major utility relocations.

**SKILLS AND EXPERIENCED GAINED (LESSONS LEARNED)**

- Continuous coordination with the designer via task force meetings, *over the shoulder* reviews, brainstorming sessions, and constructability reviews maintained a complex, multi-year schedule.
- Developed systematic and proactive methods for stakeholder communication on a high profile project.
- High attention to detail, specifically managing robust quality control and environmental programs.

**VERIFIABLE EVIDENCE OF GOOD PERFORMANCE / AWARDS**

- Maintained an over 95% conformance rating for design, construction and program management.
- "A" cumulative rating on over 150 Erosion and Sediment Control inspections.

- 🏆 2012 ARTBA Globe Environmental Award –Major Highway \$100M+
- 🏆 2012 Northern VA Transportation Alliance Award (entire ICC)
- 🏆 2011 AASHTO President's Award for Highways (entire ICC)
- 🏆 2011 AASHTO President's Award for Highways (entire ICC)



**ATTACHMENT 4.2.6(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

| a. Project Name & Location   | b. Name of the prime design consulting firm responsible for the overall project design. | c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.  | d. Contract Completion Date (Original) | e. Contract Completion Date (Actual or Estimated)                            | f. Contract Value (in thousands)                       |   | g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands) |
|--|---|--|--|--|--|---|---|
|  |   |  |  |  | Original Contract Value                                | Final or Estimated Contract Value   |   |
| <b>I-95 Telegraph Road Interchange Improvement<br/><br/>Alexandria, VA</b> | <b>Dewberry</b>   | <b>Virginia Dept. of Transportation<br/>Phone: 703-329-0300<br/>Deputy Project Manager: Jalal Masumi<br/>Phone: 703-960-7721 (Direct)<br/>Phone: 571-237-2696 (Cell)<br/>Email: jalal.masumi@VDOT.virginia.gov</b> | <b>6/30/13</b>                         | <b>Contract Completion: 5/21/13<br/><br/>Substantial Completion: 8/31/12</b> | <b>\$236,393<br/><br/>(+/- \$110,000 bridge value)</b> | <b>\$241,000 +/-<br/>Increase due to owner directed changes<br/><br/>(+/- \$110,000 bridge value)</b> | <b>Joint Venture (JV) - \$241,000<br/><br/>Corman (JV Lead) - 55% or \$132,550<br/>Other JV Partner - 45%</b>       |

h. Narrative describing the Work Performed by the Firm identified as the Lead Contractor for this procurement. If the Offeror chooses to submit work completed by an affiliated or subsidiary company of the Lead Contractor, identify the full legal name of the affiliate or subsidiary and the role they will have on this Project, so the relevancy of that work can be considered accordingly.



*Off Ramp Over Telegraph Road Helped Eliminate Congestion*

**PROJECT NARRATIVE**

This Corman-led Joint Venture, CK Constructors (Corman/Kiewit Southern), is close to completing the largest design-bid-build in Virginia and the final major undertaking of the Woodrow Wilson Bridge project. The project is a fast-track reconstruction of approximately 2.5 miles I-95/I-495 and Telegraph Road and a widening/reconstruction connecting the Woodrow Wilson Bridge project with new HOT Lane projects to the west and north. A new grade-separated interchange provides access through elevated ramps over Telegraph Road to refine traffic flow and provide easier/safer pedestrian access. The project includes design-build MSE and sound wall requirements.

This complex project has an aggressive schedule, as it is linked with existing traffic patterns and other Woodrow Wilson Bridge projects that must be accommodated while working over water, rail systems and on

the Capital Beltway, considered one of the busiest roads in the country.

Major scope includes:

- 11 ramps and bridges totaling 380,000 SF of deck;
- Widening and tie-ins of two existing 40+ year old existing beltway bridges;
- 10 bridges were demolished adjacent to or over traffic;
- 500,000 CY of excavation and 321,000 SF of new pavement (24 lane miles);
- 23 retaining and MSE walls and 4 sound walls;
- ADA compliant handicap ramps and extensive pedestrian MOT management;
- ITS fiber installation, traffic management system upgrades and utility relocations;
- Multiple interstate-grade overhead, cantilever, and ground mounted sign systems;
- Environmental permit and compliance management.

**KEYS TO PROJECT SUCCESS (PROJECT PRIORITIES)**

Management of MOT was the most critical aspect of the project's current success. The JV Team revised MOT plans, greatly reducing the original design of 6 phases and 16 sub-phases to 3 phases and 10 sub-phases. This change helped the team meet all major interim milestones and their corresponding incentives, while improving travelling conditions for the public. Team partnering helped identify and resolve any priority issues early in the planning stages.

The JV Team managed the third-party stakeholder effort, as well as assisting in the overall Woodrow Wilson bridge community outreach program, with VDOT's GEC. They also coordinated work with the City of Alexandria, adjacent properties, local residents, utility companies, hotels, retail stores, police, fire and other emergency responders.

**SKILLS AND EXPERIENCED GAINED (LESSONS LEARNED)**

- Intense planning for MOT and bridge demolition/construction to alleviate public concerns enable the team to meet or exceed key milestones.
- Frequent communication with the GEC, adjacent construction contracts, and key stakeholders proved essential for MOT staging and construction tie-ins.
- Where access and staging areas are limited, constant attention is paid to scheduling work area access and material deliveries to avoid MOT impacts.

**VERIFIABLE EVIDENCE OF GOOD PERFORMANCE**

- Earned an impressive 95.3% CQIP rating
- Excerpt from a letter from Jalal Masumi, Deputy Project Manager dated Nov. 2011: *"Recognizing the professional and responsible discharge of functions by project management members of the joint venture, the role played by Corman as the lead entity deserves due credit. Their outstanding performance to steer and keep the project in check with parameters of budget, schedule and quality is measured by the Department metrics is commendable. The challenges of reconstructing an interstate interchange in a very congested urbanized setting, constrained by construction over a live stream in the south and over railroad lines on the north have thus far been successfully met. The contract is on schedule, has met all six possible incentive interim milestone dates, and is slated to meet the final incentive milestone of substantial completion in December 2012. This manifests the high regard by the joint venture team members to employ best management practices to achieve safety, quality, budget targets."*



**ATTACHMENT 4.2.6(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

| a. Project Name & Location  | b. Name of the prime design consulting firm responsible for the overall project design.                         | c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.  | d. Contract Completion Date (Original) | e. Contract Completion Date (Actual or Estimated) | f. Contract Value (in thousands)                    |   | g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands) |
|---|---|--|--|---|---|---|---|
|   |   |  |  |   | Original Contract Value                             | Final or Estimated Contract Value   |   |
| <b>Route 1 Tie-In to Woodrow Wilson Bridge Urban Deck VA-4</b><br><br><b>Alexandria, VA</b> | <b>JMT for the Design-Build portion</b><br><br><b>Parsons Transportation Group for Design-Bid-Build portion</b> | <b>Virginia Dept. of Transportation</b><br><b>Phone: 703-329-0300</b><br><b>Deputy Project Manager: Jalal Masumi</b><br><b>Phone: 703-960-7721 (Direct)</b><br><b>Phone: 571-237-2696 (Cell)</b><br><b>Email: jalal.masumi@VDOT.Virginia.gov</b> | <b>4/1/08</b>                          | <b>4/1/08</b>                                     | <b>\$54,634</b><br><br><b>(17,800 bridge value)</b> | <b>\$62,737</b><br>Increase due to owner directed plan revisions.<br><br><b>(\$17,800 bridge value)</b> | <b>\$62,737</b>   |

h. Narrative describing the Work Performed by the Firm identified as the Lead Contractor for this procurement. If the Offeror chooses to submit work completed by an affiliated or subsidiary company of the Lead Contractor, identify the full legal name of the affiliate or subsidiary and the role they will have on this Project, so the relevancy of that work can be considered accordingly.



*Washington Street Looking Southwest*

**PROJECT NARRATIVE**

Corman was the Lead Contractor responsible for all phases of construction on this award-winning project where traffic volumes was similar to the I-395 main line. This project consisted of multi-phased, multi-level bridge and roadway demolition / reconstruction. A ½ mile of the I-495 Beltway was also widened from the Route 1 Interchange to the Woodrow Wilson Bridge west abutment, adjacent to the extremely congested I-95/I-495 Beltway. The project included reconstruction of 1 mile of Washington Street and the four quadrant urban deck bridge, with three separate bridges built side-by-side for MOT phasing.

The design-build elements used an augmented geotechnical investigation program to develop an alternative MOT plan. This eliminated a full urban deck phase of construction and replaced it with a temporary low density cementations fill ramp and eliminated a major structure proposed for MOT.

This innovation shortened construction, reduced project cost, and enhanced environmental stewardship.

Major project scope includes:

- Innovative and extensive MOT;
- 28,000 CY cast-in-place architecturally-finished structural concrete;
- 1 mile CIP cantilever retaining walls and 50 precast bridge fascia panels;
- Design-build ground and structure-mounted noise walls;
- ADA compliant sidewalks, signalized intersection and arterial road reconstruction;
- ITS installation, utility relocations, roadway and decorative lighting;
- Multiple interstate-grade overhead, cantilever, and ground mounted sign systems;
- Obtained Environmental permits, coordinated with the City of Alexandria and other environmental agencies.

**KEYS TO PROJECT SUCCESS (PROJECT PRIORITIES)**

The solution to segregate schedule dependence from other Woodrow Wilson Bridge projects was the key to this project's success. The award-winning "Virginia Advance Connector" was constructed by shifting the entire Capital Beltway. This allowed construction to commence on the north half nine months earlier, keeping it independent of the other projects. Corman planned and executed this traffic switch by closing the beltway to one lane in each direction during selected weekends. Close coordination, partnering, and teamwork were paramount in causing minimal impact to the public.

Corman made coordination with VDOT, the GEC, adjacent projects, local residents, and utility companies a top priority. Corman worked closely with the GEC in managing community outreach. One of many successes came when Corman and VDOT partnered to relocate several residents and used vibration-less sheet piles and pre-augered production piles during piling operations. Managing community expectations and concerns allowed innovative and timesaving work to proceed.

**SKILLS AND EXPERIENCED GAINED (LESSONS LEARNED)**

- Looking "outside the box" pays dividends in schedule, public acceptance, and third-party stakeholder opinion. The team utilized an innovative traffic shift to effectively manage the schedule.
- Constant attention to MOT (functionality and appropriateness to current conditions) and communication with adjacent contracts paid off by minimizing delays and improving safety.
- Partnered with the City of Alexandria and apartment building residents adjacent to project to manage their concerns regarding noise and vibration for pile installations. There were minimal concerns during construction.

**VERIFIABLE EVIDENCE OF GOOD PERFORMANCE / AWARDS**

- All eight milestones were met. Project finished with a 0.24 Lost-Time Incident Rating and a 1.96 Recordable Incident Rating, ranked second among the Woodrow Wilson Bridge projects to date. Corman maintained a 99.29% C-36 rating.
- Regarding the Beltway Shift, Nick Nicholson, PE, VDOT's Project Manager for the Woodrow Wilson Bridge project commented, "The outcome was surprisingly better than expected. The shift was completed ahead of schedule and without incident and with no significant traffic delays."

🏆 2008 VDOT Commitment to Excellence Award for Environmental Compliance Distinction

🏆 2006 VDOT Commissioner's Award for Outstanding Achievement for the "Beltway Shift -Innovation & Quality Improvement



**ATTACHMENT 4.2.6(b)**  
**LEAD DESIGNER - WORK HISTORY FORM**  
**LIMIT 1 PAGE PER PROJECT**

| a. Project Name & Location                                | b. Name of the prime/general contractor responsible for overall construction of the project | c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities             | d. Construction Contract Completion Date (Original) | e. Construction Contract Completion Date (Actual or Estimated) | f. Contract Value (in thousands)            |   | g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement. (in thousands) |
|---|---|---|---|--|---|---|---|
|   |   |   |   |  | Construction Contract Value (Original)      | Construction Contract Value (Actual or Estimated) |   |
| <b>Benning Road Bridge Replacement<br/>Washington, DC</b> | <b>Corman Construction, Inc.</b>  | <b>District DOT<br/>(202) 671-2800<br/><br/>Muhammed Khalid, PE<br/>(202) 671-4577<br/>muhammed.khalid@dc.gov</b> | <b>10/2003</b>                                      | <b>7/2003</b>  | <b>\$27,000<br/>(\$17,810 bridge value)</b> | <b>\$27,400<br/>(\$17,810 bridge value)</b>       | <b>\$1,620</b>  |

h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this Procurement. Include office locations(s) where the design work was performed and whether the firm was the prime designer or a subconsultant.

**Prime Design Engineer: Volkert, Inc.**  
**Location of Work: Washington, DC**



The Benning Road Bridge is on a principal arterial roadway in Washington, DC. Originally constructed in 1797, it crosses the Anacostia River in central northeastern Washington, DC. In 1934, the bridge was reconstructed as a concrete-cased steel structure. With Volkert's design, the replacement bridge, completed in 2003, maintains the historic look and feel of the 1934 structure with a buff-colored concrete finish and paneled classical details.

Volkert was initially contracted to conduct a study to assess the soundness and repair portions of the structure. The Volkert team conducted a structural evaluation, scour analysis, geotechnical and environmental analyses. Study results indicated that the bridge was unfit for repair or renovation and that a bridge replacement was needed.

The District wanted to preserve the look of the existing structure, while bringing it up to current standards. Methods implemented to make the new bridge similar in appearance to the existing bridge included using precast concrete fascia panels to mask the steel girders and to give the appearance of a concrete structure, designing the new parapet to closely resemble the existing one, and reusing existing lighting standards.

The 560-linear foot, eight-lane replacement bridge designed by Volkert is a five-span, continuous, multi-girder bridge. The design included roadway approaches, period street lighting, traffic signal design, and sidewalks/bike lanes, for a total project length of 1,300 linear feet. Plans were prepared to maintain uninterrupted utility service throughout construction. Large utility duct banks were designed into the new structure to accommodate a water main, a Washington Gas pipeline, major electrical lines from the close-by PEPCO station and telephone lines.

The bridge reconstruction required detailed construction phasing and accommodations for construction over water. In addition, Volkert worked closely with WMATA to coordinate work adjacent to the metro lines and facilities. Uninterrupted operations of WMATA's elevated Metro structure adjacent to the bridge were maintained throughout all phases.

Volkert's design included storm drainage on approach roadways and grading and erosion control plans to protect areas in the Children's Island and Anacostia Parks on both sides of the Anacostia River connected by the bridge. Volkert redesigned the entrance into Langston Golf Course, a historic facility with a USACE 4(f) designation, located in an environmentally sensitive area next to the river on Children's Island. Design included tennis courts and ball fields on the adjacent parkland.



**ATTACHMENT 4.2.6(b)**  
**LEAD DESIGNER - WORK HISTORY FORM**  
**LIMIT 1 PAGE PER PROJECT**

| a. Project Name & Location                    | b. Name of the prime/general contractor responsible for overall construction of the project | c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities         | d. Construction Contract Completion Date (Original) | e. Construction Contract Completion Date (Actual or Estimated) | f. Contract Value (in thousands)       |   | g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement. (in thousands) |
|---|---|---|---|--|--|---|---|
|   |   |   |   |  | Construction Contract Value (Original) | Construction Contract Value (Actual or Estimated) |   |
| <b>Oxon Run Bay Bridge<br/>Washington, DC</b> | <b>Fort Meyer Construction Corporation</b>  | <b>District DOT<br/>(202) 671-2800<br/><br/>Mr. Mohamed Dahir<br/>(202) 671-4627<br/>mohamed.dahir@dc.gov</b> | <b>7/2004</b>                                       | <b>7/2004</b>  | <b>\$10,600<br/>(bridge value)</b>     | <b>\$10,513<br/>(bridge value)</b>                | <b>\$775</b>  |

h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this Procurement. Include office locations(s) where the design work was performed and whether the firm was the prime designer or a subconsultant.



**Prime Design Engineer: Volkert, Inc.**  
**Location of Work: Washington, DC**

Volkert provided engineering design for the widening and rehabilitation of Anacostia Freeway (I-295) over Oxon Run Bay. The structural engineering work included the replacement/rehabilitation of the bridge superstructure, rehabilitation of substructure and widening of abutments/piers. The work required new continuous steel girders with a span arrangement of 84 ft. - 112 ft. - 84 ft. The field bolted splices on the middle span allowed simplified and speedy erection over the waterway channel. The stone and reinforced concrete piers are supported on a driven pile foundation.

The bridge widening was accomplished by construction of extended piers in Oxon Run Bay and the Potomac River. New welded steel girders with field bolted splices maintain the existing freeboard beneath the structure and were installed by field bolting to the existing superstructure. The new abutment and wingwall work was designed to reduce environmental effects and maintain the work within the existing right-of-way. The new substructure is pile supported concrete compatible with the existing substructure. The Volkert team prepared the new soil boring layout sheets and supervised the subsurface exploration report for substructure recommendation.

The earthen causeways on the widened approaches to the Oxon Run Bay bridge use four retaining walls supported on piles. The retaining walls were constructed parallel to the roadway alignment. The causeway work was designed to minimize disturbance to Oxon Run Bay and the Potomac River.

The rehabilitation and widening of the Oxon Run Bridge required the partial demolition of piers and abutments and the excavation for new foundations in the Oxon Run Bay. An environmental investigation was conducted to determine the nature of the river sediments by sampling and testing soil of the surface and subsurface in the area near the proposed construction. Geo-environmental support included drilling and retrieving samples of the soils within the depth anticipated to be exposed during foundation construction.

Volkert provided associated traffic management, roadway, drainage and SWM design for the bridge reconstruction project Volkert provided shop drawing review to ensure conformance with contract documents for reinforcing steel, structural steel, electrical and miscellaneous installations.



**ATTACHMENT 4.2.6(b)**  
**LEAD DESIGNER - WORK HISTORY FORM**  
**LIMIT 1 PAGE PER PROJECT**

| a. Project Name & Location                                | b. Name of the prime/general contractor responsible for overall construction of the project | c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities                    | d. Construction Contract Completion Date (Original) | e. Construction Contract Completion Date (Actual or Estimated) | f. Contract Value (in thousands)       |   | g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement. (in thousands) |
|---|---|--|---|--|--|---|---|
|   |   |  |   |  | Construction Contract Value (Original) | Construction Contract Value (Actual or Estimated) |   |
| <b>Rt 7 and Rt. 15 Interchange<br/>Leesburg, Virginia</b> | <b>Shirley Contracting Company,<br/>LLC</b>   | <b>Virginia DOT<br/>804-371-6794<br/><br/>Russell Martin, PE<br/>(804) 786-4460<br/>Russell.Martin@VDOT.Virginia.gov</b> | <b>1998</b>   | <b>1998</b>  | <b>\$6,000<br/>(bridge value)</b>      | <b>\$6,000<br/>(bridge value)</b>                 | <b>\$590</b>  |

h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this Procurement. Include office locations(s) where the design work was performed and whether the firm was the prime designer or a subconsultant.



**Prime Design Engineer: Volkert, Inc.**  
**Location of Work: Leesburg, VA**

Expansive growth in Loudoun County placed tremendous strain on the highly traveled Route 7/15 interchange. VDOT contracted with Volkert to design the structural solutions for this fast-track \$12 million interchange, involving the design of four bridges in four months, with a construction schedule of eleven months.

Volkert provided design engineering and shop drawing review services for the widening and re-decking of a pair of twin, two-span (96-foot, continuous, plate girder) bridges carrying Route 7 over Route 15 Bypass; widening and replacing the superstructure of a three-span (50 feet), concrete, T-beam bridge carrying Route 15 Bypass over Tuscarora Creek; and the design of a 13-span, curved-girder flyover bridge carrying Ramp A over Routes 7 and 15 and three ramps with span lengths from 115 to 145 feet. Tall hammer head piers measure to 48-feet high. The three bridge widenings were designed for staged construction to maintain traffic.

The flyover was designed to VDOT standards and constructed of weathering steel, which has low maintenance costs and high strength. The girder depth was kept constant to keep the fabrication economical. Pot bearings were chosen to minimize the potential for secondary stresses creeping into the framing system. In the flyover, two piers are skewed and parallel to roadways underneath. All other units are radial.

The girder depth and span-to-pier height ratios result in the elegant, sweeping curvature of the bridge on the landscape. Hammer head piers were chosen for the aesthetic appeal in this large structure. Existing roads dictated location of piers. These constraints to pier placement dictated the span arrangement.



FOR LOCATION MAP SEE SHEET 1A  
FOR INDEX OF SHEETS SEE SHEET 1B

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING DESIGN PACKAGE (GEOPAK).  
GEOPAK Computer Identification No. 99256

PRELIMINARY EASEMENTS FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGES AS PROJECT DESIGN IS FINALIZED



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED  
STATE HIGHWAY  
LOUDOUN COUNTY  
SYCOLIN ROAD OVERPASS  
OF ROUTE 7/15 BYPASS IN LEESBURG  
FROM: 0.096 Mi NORTH OF HOPE PARKWAY  
TO: 0.016 Mi NORTH OF GATEWAY DRIVE

LIMITED ACCESS HIGHWAY

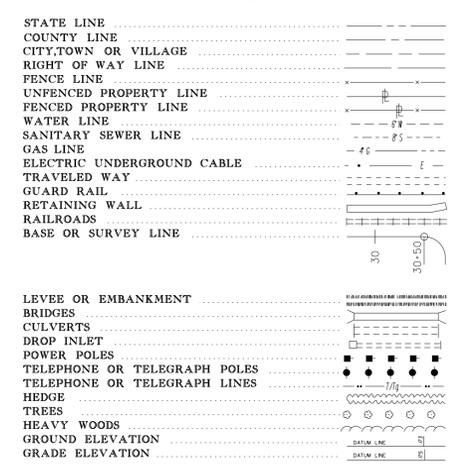
By Resolution of Commonwealth Transportation Board dated 3-21-63.  
FHWA 534 DATA 41003

| STATE | FEDERAL AID PROJECT   | STATE PROJECT |   | SHEET NO. |
|-------|---|---------------|---|-----------|
|       | ROUTE   | PROJECT       |   |           |
| V.A.  | STP- 5A01 (229)<br>(See Tabulation Below For Section Numbers) |               | (FO) 6007-053-S96<br>(See Tabulation Below For Section Numbers) | 1         |

| FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA |                                       |  |
|--|---------------------------------------|--|
|  | SYCOLIN ROAD                          | RTE. 7/15 BYPASS                           |
|  | URBAN COLLECTOR, GS-7                 | URBAN PRINCIPAL ARTERIAL, FREEWAY GS-5     |
|  | Fr: Hope Parkway<br>To: Gateway Drive | Fr: GREENWAY<br>To: MARKET ST. INTERCHANGE |
| ADT (2011)                                 | 9,400                                 | 59,700                                     |
| ADT (2040)                                 | 14,300                                | 136,650                                    |
| DHV  | 1,430                                 | 10,950                                     |
| D (%) (design hour)                        | 10.0%                                 | 8.0%                                       |
| T (%) (design hour)                        | 2.0%                                  | 2.5%                                       |
| V (MPH)                                    | 40 MPH                                | 60 MPH                                     |
| TERRAIN                                    | ROLLING                               | ROLLING                                    |
| MIN. VERTICAL CLEARANCE (FT)               | 16.5 FT                               | 16.5 FT                                    |

PROJECT MANAGER --ARIEUR, RAHMAN, P.E. (703) 259-1940  
SURVEYED BY --RICE, ASSOCIATES, INC. (703) 968-3200  
DESIGN SUPERVISED BY --ROBERT, G. REED, P.E. (703) 352-7188  
DESIGNED BY --PARSONS, TRANSPORTATION GROUP, INC. (703) 934-2300

CONVENTIONAL SIGNS



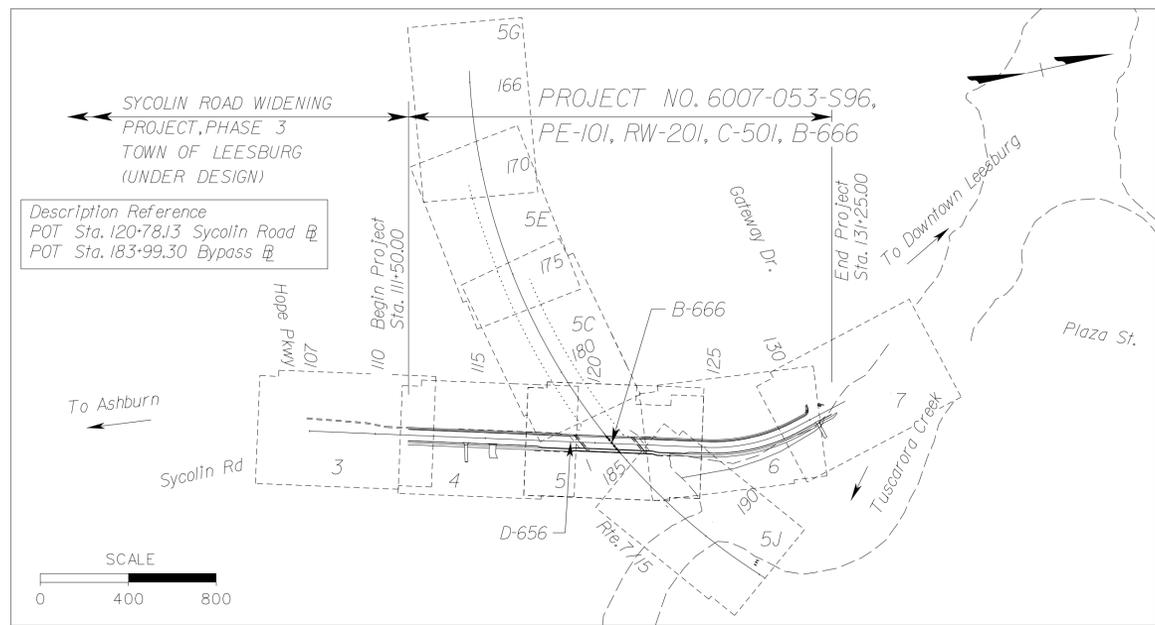
THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY AS AWARDED, HAS BEEN SEALED AND SIGNED USING DIGITAL SIGNATURES AND THE OFFICIAL PLAN ASSEMBLY IN ELECTRONIC FORMAT IS STORED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY. INCLUDING ALL SUBSEQUENT REVISIONS, WILL BE THE OFFICIAL CONSTRUCTION PLANS.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

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

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

ALL CURVES ARE TO BE SUPERELEVATED, TRANSITIONED AND WIDENED IN ACCORDANCE WITH STANDARD TC-5.01U, EXCEPT WHERE OTHERWISE NOTED.

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



Population 312,311 (2010 Census)

| STATE PROJECT NO. | SECTION | FEDERAL AID PROJECT NO. | TYPE CODE | UPC NO. | EQUALITIES | LENGTH INCLUDING BRIDGE(S) |       | LENGTH EXCLUDING BRIDGE(S) |       | BRIDGE PROJECT NO. | TYPE PROJECT | DESCRIPTION   |
|-------------------|---------|-------------------------|-----------|---------|------------|----------------------------|-------|----------------------------|-------|--------------------|--------------|---|
|                   |         |                         |           |         | FEET       | FEET                       | MILES | FEET                       | MILES |                    |              |   |
| 6007-053-S96      | PE-101  | STP-5A01 (229)          | PENG      | 99256   |            | 1975.00                    | 0.374 | 1705.33                    | 0.323 |                    | PREL. ENGR.  | FROM: 0.096 Mi North of Hope Parkway<br>TO: 0.016 Mi North of Gateway Drive |
|                   | RW-201  | STP-5A01 ( )            | ROWA      | 99256   |            | 1975.00                    | 0.374 | 1705.33                    | 0.323 |                    | R/W          |   |
|                   | C-501   | STP-5A01 ( )            | CENG      | 99256   |            | 1975.00                    | 0.374 | 1705.33                    | 0.323 |                    | CONST.       |   |
|                   | B-666   | STP-5A01 ( )            |           | 99256   |            | 269.67                     | 0.051 |                            |       | B-666              | BRIDGE       |   |
|                   | D-656   | STP-5A01 ( )            |           | 99256   |            |                            |       |                            |       |                    | BRIDGE       |   |

Project Lengths are based on Construction Baselines.

RFP PLANS  
JULY 2012

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



| RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION |  |
|---|--|
| DATE  | (DESIGN-BUILD FIRM) DESIGN MANAGER                               |
| DATE  | (DESIGN-BUILD FIRM) PROJECT MANAGER                              |
| DATE  | VDOT PROJECT MANAGER   |
| DATE  | VDOT DISTRICT CONSTRUCTION ENGINEER OR VDOT PPTA PROGRAM MANAGER |

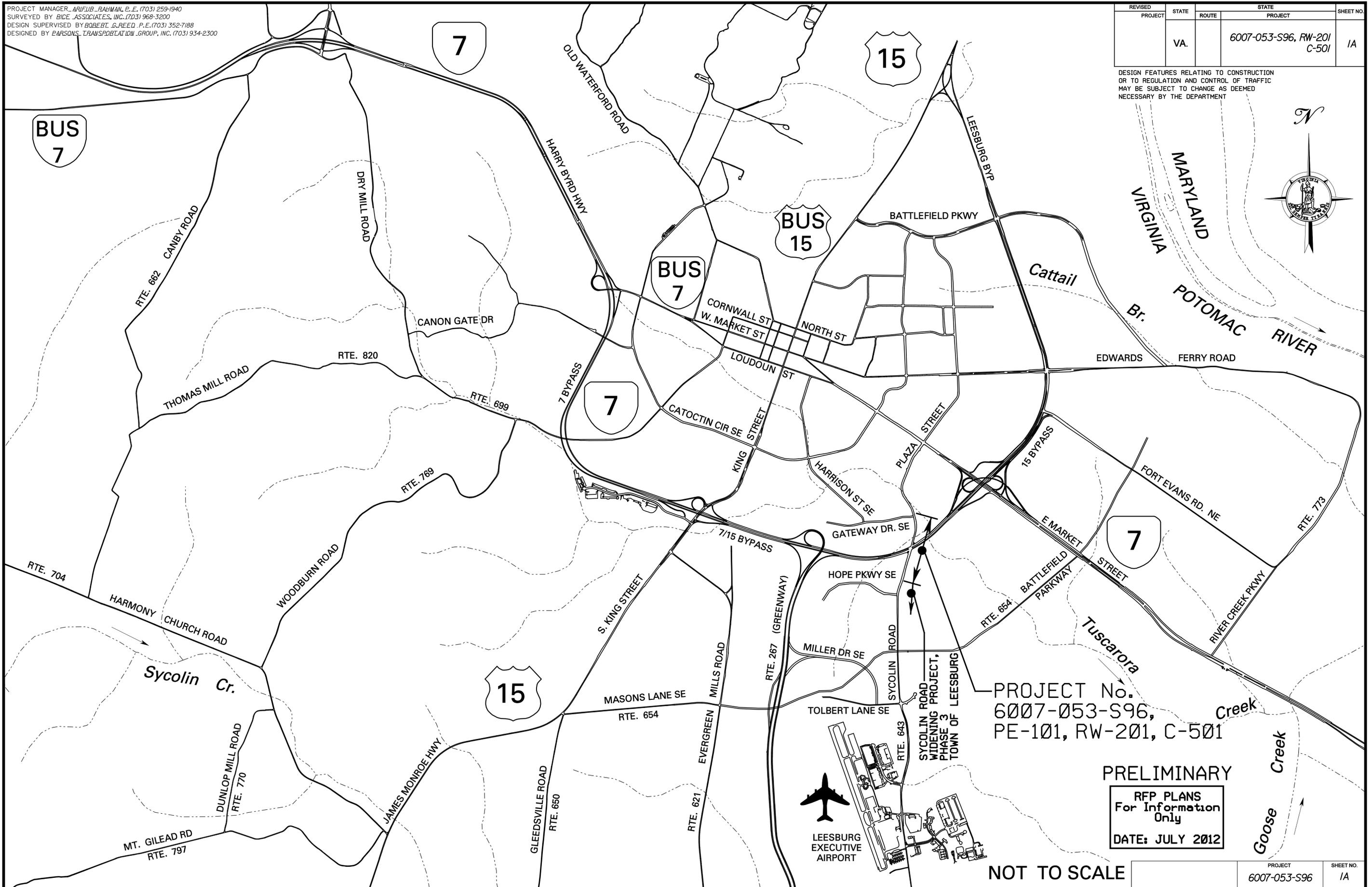
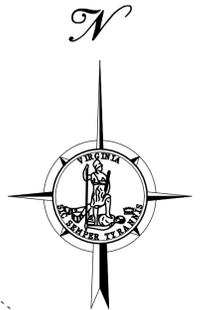
| APPROVED FOR RIGHT OF WAY ACQUISITION |                                 |
|---------------------------------------|---------------------------------|
| DATE                                  | CHIEF OF POLICY AND ENVIRONMENT |

Copyright 2012, Commonwealth of Virginia

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
 SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY: ROBERT G. REED, P.E. (703) 352-7188  
 DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

| REVISED PROJECT | STATE | ROUTE | STATE PROJECT                 | SHEET NO. |
|-----------------|-------|-------|-------------------------------|-----------|
|                 | VA.   |       | 6007-053-S96, RW-201<br>C-501 | 1A        |

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



PROJECT No.  
 6007-053-S96,  
 PE-101, RW-201, C-501

**PRELIMINARY**  
 RFP PLANS  
 For Information  
 Only  
 DATE: JULY 2012

NOT TO SCALE

| PROJECT      | SHEET NO. |
|--------------|-----------|
| 6007-053-S96 | 1A        |

Friday, July 20, 2012 12:27:07 PM

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
 SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY: BOBBE L. FREED, P.E. (703) 352-7188  
 DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

# INDEX OF SHEETS

| REVISED | STATE | ROUTE | STATE PROJECT | SHEET NO. |
|---------|-------|-------|---------------|-----------|
|         |       | VA.   |               |           |

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

|                |                         |  |                |                           |   |
|----------------|-------------------------|--|----------------|---------------------------|---|
|                | SHEET No. 1             | TITLE SHEET  |                | SHEET No. 3               | PLAN SHEET STA. 111+50.00 TO STA. 112+00.00   |
|                | SHEET No. 1A            | PROJECT LOCATION SHEET   |                | SHEET No. 3A              | PROFILE SHEET STA. 111+50.00 TO STA. 112+00.00  |
|                | SHEET No. 1B            | INDEX OF SHEETS  | (Not Included) | SHEET No. 3B              | EROSION AND SEDIMENT CONTROL STA. 111+50.00 TO STA. 112+00.00                             |
|                | SHEET No. 1C            | PRELIMINARY RIGHT OF WAY DATA SHEET  |                | SHEET No. 4               | PLAN SHEET STA. 112+00.00 TO STA. 118+00.00   |
|                | SHEET No. 1D            | REVISION DATA SHEET  |                | SHEET No. 4A              | PROFILE SHEET STA. 112+00.00 TO STA. 118+00.00  |
|                | SHEET No. 1E(1) - E(2)  | UNDERGROUND UTILITIES OWNERS AND TEST HOLE INFORMATION SHEETS  | (Not Included) | SHEET No. 4B              | EROSION AND SEDIMENT CONTROL STA. 112+00.00 TO STA. 118+00.00                             |
|                | SHEET No. 1F(1) - 1F(7) | SURVEY BASELINE DATA SHEETS, EXISTING DRAINAGE DESCRIPTIONS AND EXISTING SANITARY SEWER DESCRIPTIONS |                | SHEET No. 5               | PLAN SHEET STA. 118+00.00 TO STA. 123+50.00   |
|                | SHEET No. 1G(1) - 1G(3) | ALIGNMENT DATA SHEET   |                | SHEET No. 5A              | PROFILE SHEET STA. 118+00.00 TO STA. 123+50.00  |
|                | SHEET No. 1H(1)         | NOT USED   | (Not Included) | SHEET No. 5B              | EROSION AND SEDIMENT CONTROL STA. 118+00.00 TO STA. 123+50.00                             |
|                | SHEET No. 1I            | NOT USED   |                | SHEET No. 5C              | PLAN SHEET STA. 123+50.00 TO STA. 129+00.00   |
| (Not Included) | SHEET No. 1J(1)         | TEMPORARY TRAFFIC CONTROL PLAN - GENERAL NOTES AND SEQUENCE OF CONSTRUCTION                          | (Not Included) | SHEET No. 5D              | EROSION AND SEDIMENT CONTROL STA. 123+50.00 TO STA. 129+00.00                             |
| (Not Included) | SHEET No. 1J(2)         | TEMPORARY TRAFFIC CONTROL PLAN - DETOUR MAP  |                | SHEET No. 5E              | PLAN SHEET STA. 129+00.00 TO STA. 131+25.00   |
| (Not Included) | SHEET No. 1J(3)         | TEMPORARY TRAFFIC CONTROL PLAN - DETOUR SIGNS AND NOTES  | (Not Included) | SHEET No. 5F              | EROSION AND SEDIMENT CONTROL STA. 129+00.00 TO STA. 131+25.00                             |
| (Not Included) | SHEET No. 1J(4)         | NOT USED   |                | SHEET No. 5G              | PROFILE SHEET STA. 129+00.00 TO STA. 131+25.00  |
| (Not Included) | SHEET No. 1J(5)         | TEMPORARY TRAFFIC CONTROL PLAN STAGE 1 STA. 169+00.00 TO STA. 178+00.00                              | (Not Included) | SHEET No. 5H              | EROSION AND SEDIMENT CONTROL STA. 129+00.00 TO STA. 131+25.00                             |
| (Not Included) | SHEET No. 1J(6)         | TEMPORARY TRAFFIC CONTROL PLAN STAGE 1 STA. 178+00.00 TO STA. 191+00.00                              |                | SHEET No. 5I              | NOT USED  |
| (Not Included) | SHEET No. 1J(7)         | TEMPORARY TRAFFIC CONTROL PLAN STAGE 1 STA. 191+00.00 TO STA. 193+00.00                              |                | SHEET No. 5J              | PLAN SHEET STA. 186+25.00 TO STA. 192+00.00   |
| (Not Included) | SHEET No. 1J(8)         | TEMPORARY TRAFFIC CONTROL PLAN STAGE 1 STA. 107+00.00 TO STA. 116+00.00                              | (Not Included) | SHEET No. 5K              | EROSION AND SEDIMENT CONTROL STA. 186+25.00 TO STA. 192+00.00                             |
| (Not Included) | SHEET No. 1J(9)         | TEMPORARY TRAFFIC CONTROL PLAN STAGE 1 STA. 125+00.00 TO STA. 132+00.00                              |                | SHEET No. 6               | PLAN SHEET STA. 123+50.00 TO STA. 129+00.00   |
| (Not Included) | SHEET No. 1J(10)        | TEMPORARY TRAFFIC CONTROL PLAN STAGE 2 STA. 169+00.00 TO STA. 178+00.00                              |                | SHEET No. 6A              | PROFILE SHEET STA. 123+50.00 TO STA. 129+00.00  |
| (Not Included) | SHEET No. 1J(11)        | TEMPORARY TRAFFIC CONTROL PLAN STAGE 2 STA. 178+00.00 TO STA. 191+00.00                              | (Not Included) | SHEET No. 6B              | EROSION AND SEDIMENT CONTROL STA. 123+50.00 TO STA. 129+00.00                             |
| (Not Included) | SHEET No. 1J(12)        | TEMPORARY TRAFFIC CONTROL PLAN STAGE 2 STA. 191+00.00 TO STA. 193+00.00                              |                | SHEET No. 7               | PLAN SHEET STA. 129+00.00 TO STA. 131+25.00   |
| (Not Included) | SHEET No. 1J(13)        | TEMPORARY TRAFFIC CONTROL PLAN STAGE 2 STA. 107+00.00 TO STA. 116+00.00                              |                | SHEET No. 7A              | PROFILE SHEET MAIN STA. 129+00.00 TO STA. 131+25.00                                       |
| (Not Included) | SHEET No. 1J(14)        | TEMPORARY TRAFFIC CONTROL PLAN STAGE 2 STA. 125+00.00 TO STA. 132+00.00                              | (Not Included) | SHEET No. 7B              | EROSION AND SEDIMENT CONTROL STA. 129+00.00 TO STA. 131+25.00                             |
|                | SHEET No. 1K            | CADD LEVELS  |                | SHEET No. 8               | ENTRANCE PROFILES SHEET   |
| (Not Included) | SHEET No. 2 - 2A        | GENERAL NOTES  |                | SHEET No. 9               | NOT USED  |
|                | SHEET No. 2B(1) - 2B(7) | TYPICAL SECTIONS   | (Not Included) | SHEET No. 10              | SIGN PLAN SHEET   |
| (Not Included) | SHEET No. 2C(1)         | DETAIL SHEETS  |                | SHEET No. 11              | LIGHTING AND ELECTRICAL PLAN SHEET  |
|                | SHEET No. 2D(1) - 2D(3) | RETAINING WALL, ELEVATION AND DETAILS  | (Not Included) | SHEET No. 12              | PAVEMENT MARKING AND MARKER PLAN SHEET  |
| (Not Included) | SHEET No. 2E(1)         | DRAINAGE DESCRIPTIONS  |                | SHEET No. 13(1) - 13(6)   | UTILITY RELOCATION PLAN SHEETS  |
|                | SHEET No. 2F(1) - 2F(3) | STORM WATER POLLUTION AND PREVENTION PLAN (SWPPP)  | (Not Included) | SHEET No. 14(1)           | SPECIAL DESIGN BRIDGE PLAN SHEETS, B-666, PLAN NO. 291-99 SYCOLIN ROAD OVERPASS           |
|                |                         |  |                | SHEET No. 14(2)           | BRIDGE PLAN AND ELEVATION   |
|                |                         |  |                | SHEET No. 14(3)           | BRIDGE TRANSVERSE SECTION   |
|                |                         |  |                | SHEET No. 14(4)           | BRIDGE PIER PLAN AND ELEVATION  |
|                |                         |  |                | SHEET No. 14(5)           | BRIDGE ABUTMENT AND WING WALL SECTIONS  |
|                |                         |  |                | SHEET No. 14(6)           | MSE WALL AT ABUTMENT 'A' PLAN   |
|                |                         |  |                | SHEET No. 14(7) - 14(8)   | MSE WALL AT ABUTMENT 'B' PLAN   |
|                |                         |  |                | SHEET No. 14(9) - 14(10)  | MSE WALL AT ABUTMENT 'A' ELEVATION  |
|                |                         |  |                | SHEET No. 14(11) - 14(12) | MSE WALL AT ABUTMENT 'B' ELEVATION  |
|                |                         |  |                |                           | DESIGN REQUIREMENTS FOR MSE WALL  |
|                |                         |  | (Not Included) | SHEET No. X-1 TO X-88     | TOTAL CROSS SECTION SHEET 88<br>(SEE CROSS SECTION SHEET X-1 FOR INDEX OF CROSS SECTIONS) |

PRELIMINARY

RFP PLANS  
 For Information  
 Only  
 DATE: JULY 2012

| PROJECT      | SHEET NO. |
|--------------|-----------|
| 6007-053-S96 | 1B        |





PROJECT MANAGER: **JEFFREY BAHMAN, P.E.** (703) 259-1940  
 SURVEYED BY: **BICE ASSOCIATES, INC.** (703) 968-3200  
 DESIGN SUPERVISED BY: **BOBBEY G. REED, P.E.** (703) 352-7188  
 DESIGNED BY: **PARSONS TRANSPORTATION GROUP, INC.** (703) 934-2300

| REVISED | STATE | STATE |                               | SHEET NO. |
|---------|-------|-------|-------------------------------|-----------|
|         |       | ROUTE | PROJECT                       |           |
|         | VA.   |       | 6007-053-S96, RW-201<br>C-501 | 1E(1)     |

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# UNDERGROUND UTILITIES OWNER INFORMATION

## LEGEND

|     |         |      |   |
|-----|---------|------|---|
| --- | W       | ---  | Water Line                              |
| --- | W       | Duct | Water Line Duct                         |
| ⊙   |         |      | Water Valve                             |
| ⊙   |         |      | Water Meter                             |
| ⊙   |         |      | Water Manhole                           |
| +   |         |      | Fire Hydrant                            |
| --- | CATV    | ---  | Underground Television Cable            |
| --- | CATV    | Duct | Underground Television Cable Duct       |
| ⊙   |         |      | Television Pedestal                     |
| ⊙   |         |      | Satellite Dish                          |
| ⊙   |         |      | TV Manhole                              |
| --- | T/Tg    | ---  | Underground Telephone Cable             |
| --- | T/Tg    | Duct | Underground Telephone Cable Duct        |
| --- | FO      | ---  | Underground Fiber Optic                 |
| ⊙   |         |      | Fiber Optic Marker                      |
| ⊙   |         |      | Telephone Pedestal                      |
| ⊙   |         |      | Telephone Manhole                       |
| ⊙   |         |      | Telephone Pole                          |
| --- | TC      | ---  | Underground Traffic Control             |
| --- | TC      | Duct | Underground Traffic Control Duct        |
| ⊙   |         |      | Traffic Control Hand Hole               |
| ⊙   |         |      | Traffic Control Manhole                 |
| ⊙   |         |      | Traffic Signal Pole                     |
| --- | E       | ---  | Underground Power Cable                 |
| --- | E       | Duct | Underground Power Cable Duct            |
| ⊙   |         |      | Power Pole                              |
| ⊙   |         |      | Electric Box                            |
| ⊙   |         |      | Electric Manhole                        |
| ⊙   |         |      | Combination Pole                        |
| *   |         |      | Light Pole                              |
| --- | G       | ---  | Gas Line                                |
| --- | G       | Duct | Gas Line Duct                           |
| ⊙   |         |      | Gas Manhole                             |
| ⊙   |         |      | Gas Valve                               |
| ⊙   |         |      | Gas Meter                               |
| --- | SFM     | ---  | Sanitary Force Main                     |
| --- | S       | ---  | Gravity Sewer                           |
| ⊙   |         |      | Sanitary Manhole                        |
| ⊙   |         |      | Sewer Clean Out                         |
| ⊙   |         |      | Storm Manhole                           |
| ⊙   |         |      | Rail Road Signal / Gate                 |
| ⊙   |         |      | Rail Road Telephone Pole                |
| ⊙   |         |      | Utility End Point                       |
| --- | Unk     | ---  | Unknown Utility Line                    |
| --- | (DATUR) | ---  | Depicted According To Utility Records   |
| --- | (AATUR) | ---  | Abandoned According To Utility Records  |
| --- | (AATFI) | ---  | Abandoned According To Field Inspection |

## SUBSURFACE UTILITY OWNERS

**DOMINION/VIRGINIA POWER**  
 MR. FRANK KAPPER  
 171 ELDEN STREET  
 HERNDON, VIRGINIA 20170  
 (703) 375-6987

**DOMINION TECHNICAL SOLUTIONS**  
 MS. STEPHANIE BAGBY  
 701 CARY STREET, 12TH FLOOR  
 RICHMOND, VIRGINIA 23219  
 (804) 771-6282

**NOVEC**  
 MR. RAYMOND MARSHALL  
 349 EAST MARKET STREET  
 LEESBURG, VIRGINIA 20176  
 (703) 669-6063

**WASHINGTON GAS**  
 MR. ALAN MELLIZA  
 6801 INDUSTRIAL ROAD  
 SPRINGFIELD, VIRGINIA 22151  
 (703) 750-4256

**TOWN OF LEESBURG**  
 MR. AREF ETEMADI  
 1385 EAST MARKET STREET  
 LEESBURG, VIRGINIA 20176  
 (703) 771-2750

**TOWN OF LEESBURG**  
 MR. THOMAS A. MASON, P.E.  
 25 WEST MARKET STREET  
 LEESBURG, VIRGINIA 20175  
 (703) 771-2790

**VERIZON OF LEESBURG**  
 MR. TONY JONES  
 319 EAST MARKET STREET  
 LEESBURG, VIRGINIA 20175  
 (703) 771-3108

**COMCAST**  
 MR. TERRY SAINES  
 12345-G SUNRISE VALLEY DRIVE  
 RESTON, VIRGINIA 20191

**MISS UTILITY**  
 1-800-552-7001 OR 811

INFORMATION SHOWN ON PLAN SHEETS FOR THE DOMINION TRANSMISSION LINE AND LINE SUPPORT STRUCTURES WAS TAKEN FROM CONSTRUCTION PLANS FOR THE 230 KV TRANSMISSION LINE 2098, PLEASANT VIEW - HAMILTON, DATED AUGUST 2009.

## LEGEND

ALL UTILITY INFORMATION HEREON IS DEPICTED TO QUALITY LEVEL "B" (QL-B) UNLESS OTHERWISE NOTED. QL-B INFORMATION IS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO IDENTIFY THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. QL-B DATA ARE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES AND REDUCED ONTO PLAN DOCUMENTS.

SIZE INFORMATION SHOWN HEREON IS TAKEN FROM AVAILABLE UTILITY RECORDS.

### ABBREVIATIONS:

|         |  |
|---------|--|
| (QL-C)  | DEPICTED ACCORDING TO RECORD INFORMATION AND EXISTING ASSOCIATED UTILITY STRUCTURES. NO ELECTRONIC INFORMATION WAS OBTAINED. |
| (QL-D)  | DEPICTED ACCORDING TO RECORD INFORMATION. NO ELECTRONIC INFORMATION WAS OBTAINED.  |
| (DATFI) | DEPICTED ACCORDING TO FIELD INSPECTION   |
| (FO)    | FIBER OPTIC  |
| (AATUR) | ABANDONED ACCORDING TO UTILITY RECORDS   |
| (AATFI) | ABANDONED ACCORDING TO FIELD INSPECTION  |
| (EATFI) | EMPTY ACCORDING TO FIELD INSPECTION  |
| EOI     | END OF ELECTRONIC DESIGNATING INFORMATION  |
| EORI    | END OF UTILITY RECORD INFORMATION  |
| (NAP)   | NO ASSOCIATED PIPING FOUND FROM UTILITY STRUCTURE  |
| E       | UTILITY ENDPOINT   |

UNLESS OTHERWISE NOTED, UTILITY LINE LIMITS DEPICTED REPRESENT FIELD DESIGNATING LIMITS AND NOT ENDPOINTS OF UTILITIES.

UTILITY INFORMATION LABELED "QL-C" OR "QL-D" IS DERIVED FROM FURNISHED RECORDS. SUCH INFORMATION MAY NOT BE ACCURATE OR RELIABLE. SO-DEEP, INC. EXPRESSLY DISCLAIMS RESPONSIBILITY FOR THE ACCURACY OR RELIABILITY OF UTILITY INFORMATION DEPICTED ACCORDING TO RECORDS.

SANITARY SEWER LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON SURVEY INFORMATION. ALL OTHER UTILITIES SHOWN ON THE CROSS SECTIONS FOR HORIZONTAL LOCATIONS ARE TAKEN FROM UNDERGROUND UTILITY DESIGNATION FILE; HOWEVER, THE VERTICAL LOCATIONS ARE ASSUMED BASED ON STANDARD PRACTICE.

**PRELIMINARY**

**RFP PLANS  
For Information  
Only**

**DATE: JULY 2012**

|              |           |
|--------------|-----------|
| PROJECT      | SHEET NO. |
| 6007-053-S96 | 1E(1)     |

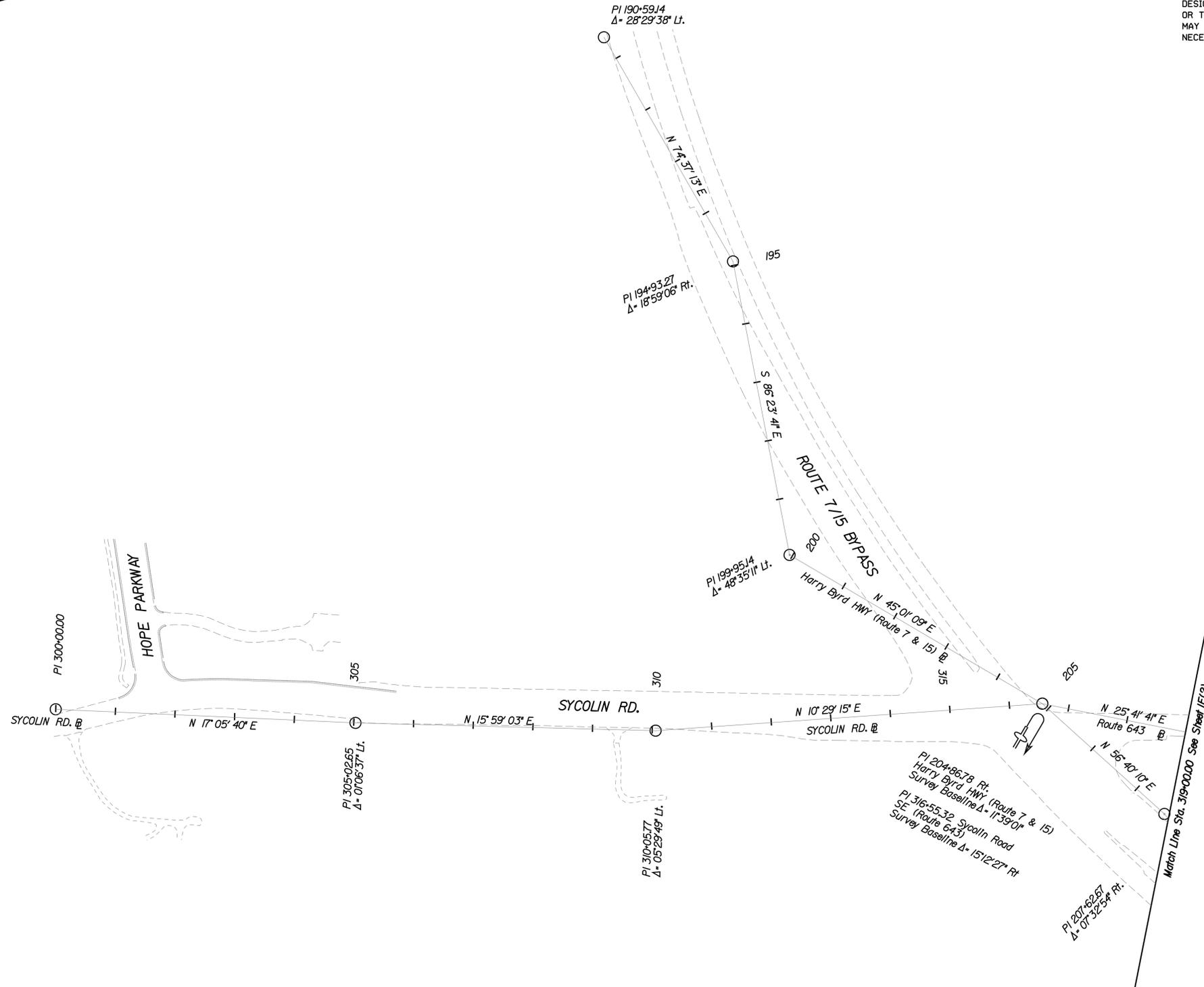


PROJECT MANAGER: BUREAU, BAHMAN, P.E. (703) 259-1940  
SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
DESIGN SUPERVISED BY: ROBERT G. REED, P.E. (703) 352-7188  
DESIGNED BY: BICE ASSOCIATES, INC. (703) 968-3200

# SURVEY BASELINE DATA SHEET

| REVISED | STATE | ROUTE | STATE PROJECT | SHEET NO. |
|---------|-------|-------|---------------|-----------|
|         |       | VA.   |               |           |

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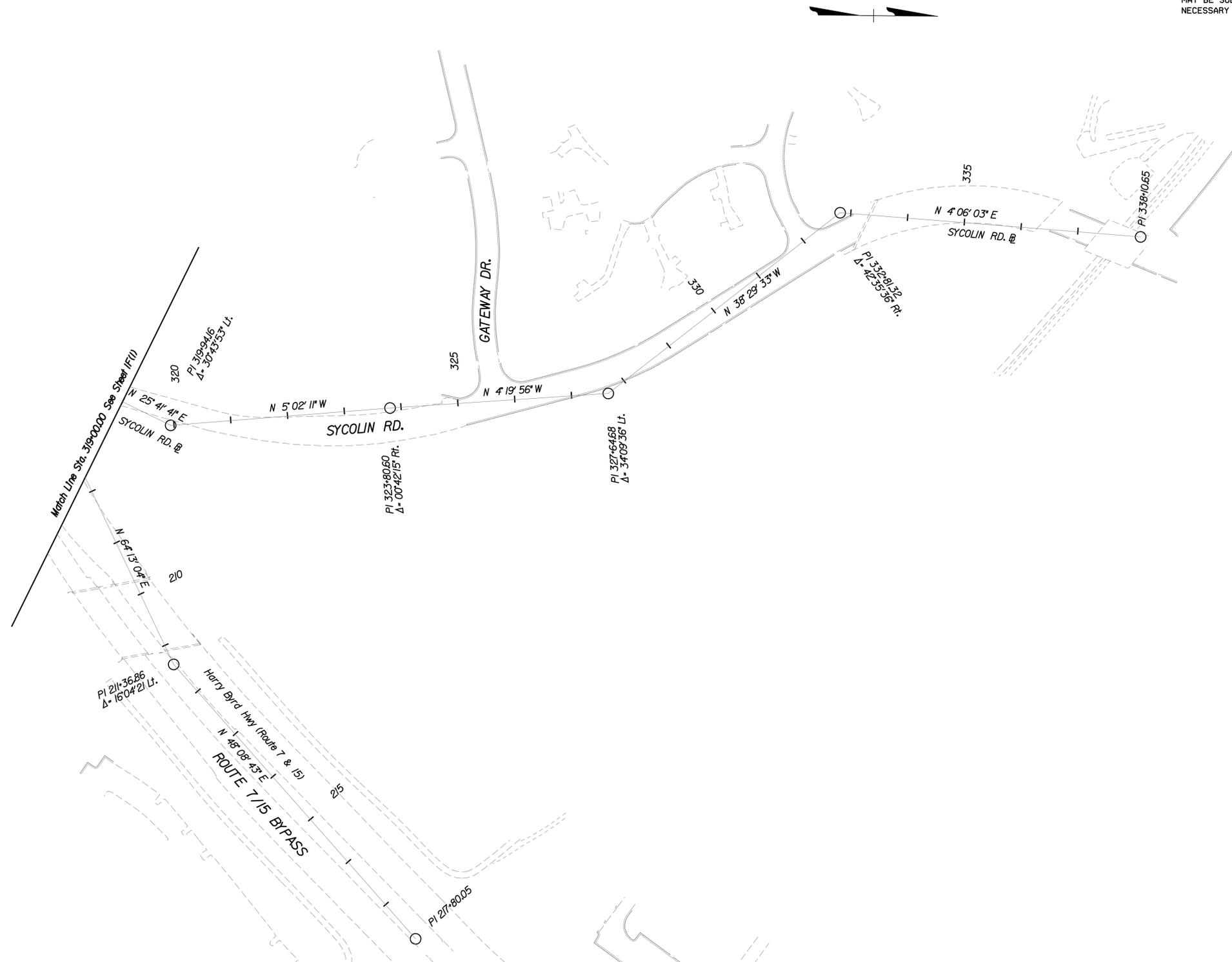
| PROJECT      | SHEET NO. |
|--------------|-----------|
| 6007-053-S96 | 1F(1)     |

PROJECT MANAGER: BUREAU, BAHMAN, P.E. (703) 259-1940  
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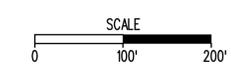
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**RFP PLANS**  
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**DATE: JULY 2012**



| PROJECT      | SHEET NO. |
|--------------|-----------|
| 6007-053-S96 | 1F(2)     |

Friday, July 20, 2012 12:35:56 PM

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
 SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY: ROBERT G. REED P.E. (703) 352-7188  
 DESIGNED BY: BICE ASSOCIATES, INC. (703) 968-3200

# SURVEY BASELINE DATA SHEET

|         |       |       |                               |           |
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| REVISED | STATE | ROUTE | STATE PROJECT                 | SHEET NO. |
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DESIGN FEATURES RELATING TO CONSTRUCTION  
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**SURVEY ALIGNMENTS**

| POINT ID.  | STATION | BEARING         | PROJECT COORDINATES<br>NORTH (Y) | EAST (X)     | ELEVATION |
|--|---------|-----------------|----------------------------------|--------------|-----------|
| <i>Harry Byrd HWY (Route 7 &amp; 15) - Survey Baseline</i> |         |                 |                                  |              |           |
| PI 190   | 59.14   | N 74° 37' 13" E | 522842.9648                      | 3548760.300  | 329.035   |
| PI 194   | 93.27   | S 86° 23' 41" E | 522958.1027                      | 3549178.7113 | 317.835   |
| PI 199   | 95.14   | N 45° 01' 09" E | 522926.5432                      | 3549679.5934 | 305.006   |
| PI 204   | 86.78   | N 56° 40' 10" E | 523274.0686                      | 3550027.3502 | 288.772   |
| PI 207   | 62.67   | N 64° 13' 04" E | 523425.6587                      | 3550257.8563 | 285.934   |
| PI 211   | 36.86   | N 48° 08' 43" E | 523588.4157                      | 3550594.8005 | 292.593   |
| PI 217   | 80.05   |                 | 524017.5828                      | 3551073.8745 | 299.552   |

**SURVEY ALIGNMENTS**

| POINT ID.                            | STATION | BEARING         | PROJECT COORDINATES<br>NORTH (Y) | EAST (X)     | ELEVATION |
|--------------------------------------|---------|-----------------|----------------------------------|--------------|-----------|
| <i>SYCOLIN RD. - Survey Baseline</i> |         |                 |                                  |              |           |
| PI 300                               | 00.00   | N 17° 05' 40" E | 521671.2542                      | 3549622.8216 | 313.601   |
| PI 305                               | 02.65   | N 15° 59' 03" E | 522151.7012                      | 3549770.5745 | 307.963   |
| PI 310                               | 05.77   | N 10° 29' 15" E | 522635.3673                      | 3549909.1192 | 296.897   |
| PI 316                               | 55.32   | N 25° 41' 41" E | 523274.0686                      | 3550027.3502 | 288.772   |
| PI 319                               | 94.16   | N 5° 02' 11" W  | 523579.4005                      | 3550174.2621 | 284.339   |
| PI 323                               | 80.60   | N 4° 19' 56" W  | 523964.3483                      | 3550140.3365 | 282.656   |
| PI 327                               | 64.68   | N 38° 29' 33" W | 524347.3297                      | 3550111.3227 | 283.705   |
| PI 332                               | 81.32   | N 4° 06' 03" E  | 524751.6998                      | 3549789.7591 | 286.334   |
| PI 338                               | 10.65   |                 | 525279.6740                      | 3549827.6115 | 312.894   |

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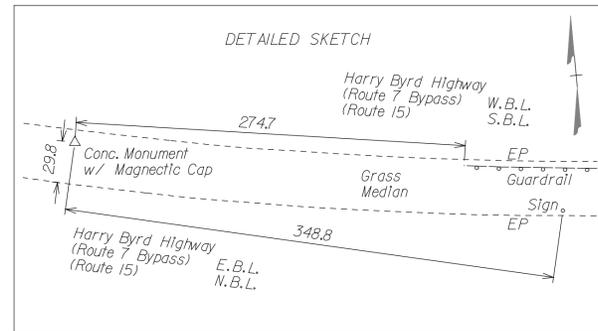
# SURVEY BASELINE DATA SHEET

| REVISED | STATE | STATE   |                               | SHEET NO. |
|---------|-------|---------|-------------------------------|-----------|
|         | ROUTE | PROJECT |                               |           |
|         | VA.   |         | 6007-053-S96, RW-201<br>C-501 | IF(4)     |

DESIGN FEATURES RELATING TO CONSTRUCTION  
OR TO REGULATION AND CONTROL OF TRAFFIC  
MAY BE SUBJECT TO CHANGE AS DEEMED  
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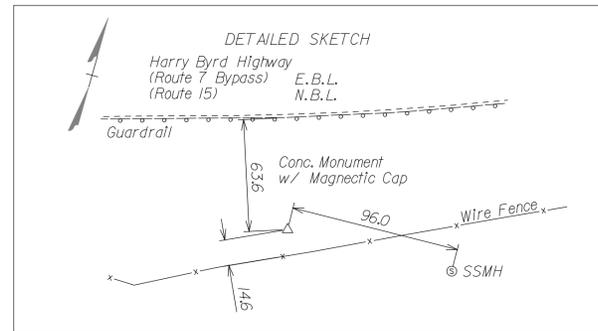
LD-200 (REV. 8/2000)  
Virginia Department of Transportation Horizontal Control  
Control Station I.D. - #13 Project - - V.D.O.T. Project Coordinates

Route 7/15 City/County Loudoun Date - -  
Established By Rice Associates  
Vertical Datum Based On NAVD 88 Geoid 96 or (99) East (X) 3549147.4963 ft.  
North (Y) 522985.6892 ft.  
Horizontal Datum Based On NAD83 (circle one) Elevation 339,2980 ft.  
Azimuth to Station 103°08'51" Zone (North) South (circle one)  
Latitude: 39°05'56.05489" N (5decimal places) Horizontal Closure I: 25.3051  
Longitude: 77°33'31.38589" W (5decimal places) To convert state plane metric units to VDOT project values, use the following formula:  
Geoid Separation (m): -32.364  
Ellipsoid Height (m): 71.0542 (WGS 84)  
Control Based on Station (name or PID) or  
Project (monument no.) Order: 2. Multiply These Values by the U.S. Survey Foot (3.280833333)  
3. Multiply These Values by Combined Scale and Elevation Factor (1.000051) for the County.  
Reverse This Procedure to Transform VDOT Project Coordinates to NAD 83 Metric Plane Coordinates  
Virginia State Plane Coordinates - NAD 83 Metric Values  
East (X) 3581423.4487 m  
North (Y) 2159398.3870 m  
Ortho. Elevation 103.4882 m  
• Sketch and Detailed Description on Other Side •



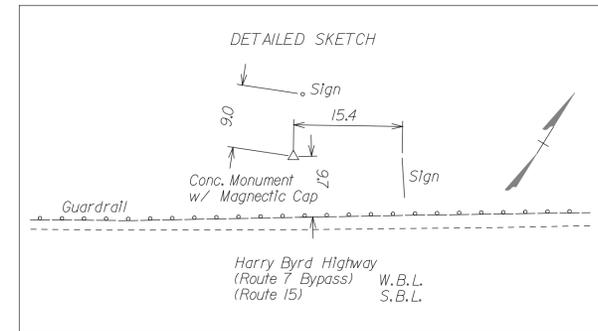
LD-200 (REV. 8/2000)  
Virginia Department of Transportation Horizontal Control  
Control Station I.D. - #16 Project - - V.D.O.T. Project Coordinates

Route 7/15 City/County Loudoun Date - -  
Established By Rice Associates  
Vertical Datum Based On NAVD 88 Geoid 96 or (99) East (X) 3549679.5934 ft.  
North (Y) 522926.5432 ft.  
Horizontal Datum Based On NAD83 (circle one) Elevation 305,0060 ft.  
Azimuth to Station 45°0'00" Zone (North) South (circle one)  
Latitude: 39°05'55.31464" N (5decimal places) Horizontal Closure I: 25.3051  
Longitude: 77°33'11.96137" W (5decimal places) To convert state plane metric units to VDOT project values, use the following formula:  
Geoid Separation (m): -32.355  
Ellipsoid Height (m): 60.6100 (WGS 84)  
Control Based on Station (name or PID) or  
Project (monument no.) Order: 2. Multiply These Values by the U.S. Survey Foot (3.280833333)  
3. Multiply These Values by Combined Scale and Elevation Factor (1.000051) for the County.  
Reverse This Procedure to Transform VDOT Project Coordinates to NAD 83 Metric Plane Coordinates  
Virginia State Plane Coordinates - NAD 83 Metric Values  
East (X) 3581890.4094 m  
North (Y) 2159380.3601 m  
Ortho. Elevation 92.9660 m  
• Sketch and Detailed Description on Other Side •



LD-200 (REV. 8/2000)  
Virginia Department of Transportation Horizontal Control  
Control Station I.D. - #17 Project - - V.D.O.T. Project Coordinates

Route 7/15 City/County Loudoun Date - -  
Established By Rice Associates  
Vertical Datum Based On NAVD 88 Geoid 96 or (99) East (X) 3550257.8563 ft.  
North (Y) 523425.6587 ft.  
Horizontal Datum Based On NAD83 (circle one) Elevation 285,9340 ft.  
Azimuth to Station 64°13'04" Zone (North) South (circle one)  
Latitude: 39°06'00.18844" N (5decimal places) Horizontal Closure I: 25.3051  
Longitude: 77°33'04.56163" W (5decimal places) To convert state plane metric units to VDOT project values, use the following formula:  
Geoid Separation (m): -32.354  
Ellipsoid Height (m): 60.6100 (WGS 84)  
Control Based on Station (name or PID) or  
Project (monument no.) Order: 2. Multiply These Values by the U.S. Survey Foot (3.280833333)  
3. Multiply These Values by Combined Scale and Elevation Factor (1.000051) for the County.  
Reverse This Procedure to Transform VDOT Project Coordinates to NAD 83 Metric Plane Coordinates  
Virginia State Plane Coordinates - NAD 83 Metric Values  
East (X) 3582066.6555 m  
North (Y) 2159532.4832 m  
Ortho. Elevation 87.1529 m  
• Sketch and Detailed Description on Other Side •



PRELIMINARY

RFP PLANS  
For Information  
Only

DATE: JULY 2012

|              |           |
|--------------|-----------|
| PROJECT      | SHEET NO. |
| 6007-053-S96 | IF(4)     |

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
 SURVEYED BY: RICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY: ROBERT G. REED, P.E. (703) 352-7188  
 DESIGNED BY: RICE ASSOCIATES, INC. (703) 968-3200

# EXISTING DRAINAGE DESCRIPTIONS

| REVISED | STATE |                               | SHEET NO. |
|---------|-------|-------------------------------|-----------|
|         | ROUTE | PROJECT                       |           |
|         | VA.   | 6007-053-S96, RW-201<br>C-501 | IF(5)     |

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

159 In Pl. CDI  
 Top = 360.73  
 In Pl. 15" CMP  
 Inv. In = 356.93  
 In Pl. 37.6' - 15" CMP  
 Inv. Out = 356.83

160 In Pl. GIW/Slot Drain  
 Top = 362.20  
 In Pl. 32.2' - 15" CMP  
 Inv. Out = 357.60

161 In Pl. CDI  
 Top = 363.03  
 In Pl. 48.2' - 15" CMP  
 Inv. Out = 360.33

162 In Pl. FES  
 In Pl. 15" CMP  
 Inv. = 342.04

163 In Pl. Headwall  
 In Pl. 193.2' - 36" RCP  
 Inv. Out = 334.45

164 In Pl. GI  
 Top = 338.98  
 In Pl. 69.1' - 15" RCP  
 Inv. Out = 334.98

165 In Pl. Endwall  
 In Pl. 36" RCP  
 Inv. In = 332.66

166 In Pl. CDI  
 Top = 336.17  
 In Pl. 138.7' - 18" RCP  
 Inv. Out = 331.51

167 In Pl. SDMH  
 Top = 341.17  
 (a) In Pl. 18" RCP  
 Inv. In = 330.76  
 (b) In Pl. 18" RCP  
 Inv. In = 330.71  
 In Pl. 18" RCP  
 Inv. Out = 330.49

168 In Pl. Concrete Riser  
 Top = 318.07  
 In Pl. 42" Round Opening  
 Inv. In = 307.09  
 (a) In Pl. 66.8' - 8" X 8" Box Culvert  
 Inv. Out = 306.57  
 (b) In Pl. 66.8' - 8" X 8" Box Culvert  
 Inv. Out = 306.60

169 In Pl. Endwall  
 (a) In Pl. 8" X 8" Box Culvert  
 Inv. = 306.05  
 (b) In Pl. 8" X 8" Box Culvert  
 Inv. = 306.05

170 In Pl. FES  
 In Pl. 15" RCP  
 Inv. Out = 311.46

171 In Pl. SDMH  
 Top = 327.17  
 In Pl. 15" RCP  
 Inv. In = 318.96  
 In Pl. 71.7' - 15" RCP  
 Inv. Out = 316.45

172 In Pl. CDI  
 Top = 334.95  
 In Pl. 92.0' - 15" RCP  
 Inv. Out = 328.76

173 In Pl. FES  
 In Pl. 52.6' - 36" RCP  
 Inv. Out = 305.75

174 In Pl. CDI  
 Top = 315.99  
 In Pl. 36" RCP  
 Inv. In = 305.45  
 In Pl. 52.2' - 36" RCP  
 Inv. Out = 305.20

175 In Pl. CDI  
 Top = 316.05  
 (a) In Pl. 18" RCP  
 Inv. In = 306.31  
 (b) In Pl. 36" RCP  
 Inv. In = 304.86  
 In Pl. 86.6' - 42" RCP  
 Inv. Out = 304.56

176 In Pl. CDI  
 Top = 322.21  
 In Pl. 18" RCP  
 Inv. In = 314.07  
 In Pl. 88.1' - 18" RCP  
 Inv. Out = 312.20

177 In Pl. SDMH  
 Top = 328.13  
 In Pl. 18" RCP  
 Inv. In = 319.75  
 In Pl. 64.7' - 18" RCP  
 Inv. Out = 317.91

178 In Pl. 42" RCP  
 Inv. = 303.75

179 In Pl. Endwall  
 (a) In Pl. 54" CMP  
 Inv. In = 302.77  
 (b) In Pl. 54" CMP  
 Inv. In = 303.39

180 In Pl. Headwall  
 (a) In Pl. 107.8' - 54" CMP  
 Inv. Out = 304.28  
 (b) In Pl. 110.0' - 54" CMP  
 Inv. Out = 304.42

181 In Pl. 18" RCP  
 In Pl. 31.9' - 18" RCP  
 Inv. = 309.80

182 In Pl. 18" RCP  
 Inv. = 308.75

183 In Pl. CDI  
 Top = 328.86  
 In Pl. 24" RCP  
 Inv. In = 320.86  
 In Pl. 158.8' - 24" RCP  
 Inv. Out = 320.76

184 In Pl. SDMH  
 Top = 317.49  
 In Pl. 24" RCP  
 Inv. In = 309.37  
 In Pl. 90.3' - 30" RCP  
 Inv. Out = 307.84

185 In Pl. FES  
 In Pl. 30" RCP  
 Inv. Out = 302.02

186 In Pl. SDMH  
 Top = 322.16  
 In Pl. 15" RCP  
 Inv. In = 316.55  
 In Pl. 165.4' - 15" RCP  
 Inv. Out = 316.42

187 In Pl. CDI  
 Top = 317.02  
 In Pl. 15" RCP  
 Inv. In = 307.02  
 In Pl. 100.0' - 15" RCP  
 Inv. Out = 306.26

188 In Pl. Endwall  
 In Pl. 15" RCP  
 Inv. Out = 299.84

189 In Pl. 2" RCP  
 In Pl. 30.7' - 2" RCP  
 Inv. = 295.06

190 In Pl. 2" RCP  
 Inv. = 293.83

191 In Pl. 24" RCP  
 In Pl. 49.5' - 24" RCP  
 Inv. = 292.75

192 In Pl. 24" RCP  
 Inv. = 292.03

193 In Pl. 24" RCP  
 In Pl. 49.3' - 24" RCP  
 Inv. = 292.59

194 In Pl. 24" RCP  
 Inv. = 292.05

195 In Pl. Endwall  
 In Pl. 48" CMP  
 Inv. In = 285.58

196 In Pl. FES  
 In Pl. 152.8' - 48" CMP  
 Inv. = 289.64

197 In Pl. FES  
 In Pl. 33" RCP  
 Inv. = 296.60

198 In Pl. YDI  
 Top = 307.10  
 In Pl. 18" CMP  
 Inv. In = 299.00  
 In Pl. 41.0' - 33" RCP  
 Inv. Out = 298.65

199 In Pl. 27" RCP  
 Inv. = 315.90

200 In Pl. GI  
 Top = 321.36  
 In Pl. 24.9' - 27" RCP  
 Inv. Out = 316.37

201 In Pl. GI  
 Top = 323.10  
 In Pl. 132.5' - 15" RCP  
 Inv. Out = 319.81

202 In Pl. GI  
 Top = 322.03  
 (a) In Pl. 15" RCP  
 Inv. In = 318.35  
 (b) In Pl. 15" RCP  
 Inv. In = 318.41  
 In Pl. 30.2' - 18" RCP  
 Inv. Out = 318.31

203 In Pl. 18" RCP  
 Inv. = 317.97

204 In Pl. GI  
 Top = 289.90  
 In Pl. 70.9' - 18" RCP  
 Inv. Out = 284.05

205 In Pl. SDMH  
 Top = 290.36  
 In Pl. 18" RCP  
 Inv. In = 282.11  
 In Pl. 103.3' - 18" CMP  
 Inv. Out = 282.01

206 In Pl. 18" CMP  
 Inv. = 278.56

207 In Pl. Headwall  
 (a) In Pl. 134.2' 6' X 6' Box Culvert  
 Inv. Out = 277.47  
 (b) In Pl. 133.1' 6' X 6' Box Culvert  
 Inv. Out = 277.44  
 (c) In Pl. 133.2' 8' X 6' Box Culvert  
 Inv. Out = 277.41

208 In Pl. Endwall  
 (a) In Pl. 6' X 6' Box Culvert  
 Inv. Out = 280.06  
 (b) In Pl. 6' X 6' Box Culvert  
 Inv. Out = 279.99  
 (c) In Pl. 8' X 6' Box Culvert  
 Inv. Out = 279.95

209 In Pl. FES  
 In Pl. 18" RCP  
 Inv. = 276.09

210 In Pl. GI  
 Top = 287.92  
 In Pl. 80.1' - 18" RCP  
 Inv. Out = 281.46

211 In Pl. 36" CMP  
 Inv. = 271.85

212 In Pl. 36" CMP  
 In Pl. 83.4' - 36" CMP  
 Inv. = 277.05

213 In Pl. GI  
 Top = 318.99  
 In Pl. 62.6' - 15" RCP  
 Inv. Out = 315.15

214 In Pl. GI  
 Top = 317.50  
 In Pl. 15" RCP  
 Inv. In = 314.18  
 In Pl. 95.7' - 15" RCP  
 Inv. Out = 318.88

215 In Pl. GI  
 Top = 314.93  
 In Pl. 15" RCP  
 Inv. In = 311.53  
 In Pl. 142.8' - 15" RCP  
 Inv. Out = 311.48

216 In Pl. GI  
 Top = 310.74  
 In Pl. 15" RCP  
 Inv. In = 306.23  
 In Pl. 14.8' - 18" RCP  
 Inv. Out = 305.80

217 In Pl. SDMH  
 Top = 311.17  
 (a) In Pl. 18" RCP  
 Inv. In = 303.68  
 (b) In Pl. 18" RCP  
 Inv. In = 303.62  
 In Pl. 63.2' - 18" RCP  
 Inv. Out = 298.45

218 In Pl. GI  
 Top = 310.07  
 In Pl. 15" RCP  
 Inv. In = 306.53  
 In Pl. 58.3' - 18" RCP  
 Inv. Out = 306.53

219 In Pl. GI  
 Top = 313.39  
 In Pl. 15" RCP  
 Inv. In = 310.44  
 In Pl. 87.3' - 15" RCP  
 Inv. Out = 310.10

220 In Pl. GI  
 Top = 314.97  
 In Pl. 85.7' - 15" RCP  
 Inv. Out = 312.08

221 In Pl. SDMH  
 Top = 286.10  
 In Pl. 18" RCP  
 Inv. In = 280.77  
 In Pl. 8.8' - 27" RCP  
 Inv. Out = 278.27

222 In Pl. GI  
 Top = 281.04  
 (a) In Pl. 27" RCP  
 Inv. In = 277.60  
 (b) In Pl. 36" RCP  
 Inv. In = 277.40  
 In Pl. 83.9' - 42" RCP  
 Inv. Out = 277.37

223 In Pl. FES  
 In Pl. 42" RCP  
 Inv. In = 276.15

224 In Pl. CDI  
 Top = 283.50  
 (a) In Pl. 24" RCP  
 Inv. In = 278.65  
 (b) In Pl. 15" RCP  
 Inv. In = 279.77  
 In Pl. 194.5' - 36" RCP  
 Inv. Out = 277.98

225 In Pl. CDI  
 Top = 283.67  
 In Pl. 40.6' - 15" RCP  
 Inv. Out = 280.52

226 In Pl. CDI  
 Top = 308.25  
 (a) In Pl. 18" RCP  
 Inv. In = 302.92  
 (b) In Pl. 18" RCP  
 Inv. In = 302.67  
 (c) In Pl. 15" RCP  
 Inv. In = 303.01  
 In Pl. 320.6' - 24" RCP  
 Inv. Out = 302.48

227 In Pl. CDI  
 Top = 308.58  
 In Pl. 40.4' - 15" RCP  
 Inv. Out = 303.84

228 In Pl. CDI  
 Top = 314.51  
 In Pl. 18" RCP  
 Inv. In = 308.56  
 In Pl. 52.2' - 18" RCP  
 Inv. Out = 308.24

229 In Pl. CDI  
 Top = 314.47  
 (a) In Pl. 15" RCP  
 Inv. In = 309.37  
 (b) In Pl. 15" RCP  
 Inv. In = 309.32  
 In Pl. 30.8' - 18" RCP  
 Inv. Out = 309.23

230 In Pl. CDI  
 Top = 340.68  
 (a) In Pl. 18" RCP  
 Inv. In = 335.32  
 (b) In Pl. 15" RCP  
 Inv. In = 335.33  
 In Pl. 388.8' - 18" RCP  
 Inv. Out = 335.03

231 In Pl. GI  
 Top = 279.77  
 In Pl. 14.5' - 18" RCP  
 Inv. Out = 275.91

**PRELIMINARY**

**RFP PLANS  
 For Information  
 Only**

**DATE: JULY 2012**

| PROJECT      | SHEET NO. |
|--------------|-----------|
| 6007-053-S96 | IF(5)     |

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
 SURVEYED BY: RICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY: ROBERT G. REED, P.E. (703) 352-7188  
 DESIGNED BY: RICE ASSOCIATES, INC. (703) 968-3200

# EXISTING DRAINAGE DESCRIPTIONS

| REVISED | STATE | ROUTE | STATE                         | SHEET NO. |
|---------|-------|-------|-------------------------------|-----------|
|         |       |       | PROJECT                       |           |
|         | VA.   |       | 6007-053-S96, RW-201<br>C-501 | IF(6)     |

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

232 In Pl. CDI  
 Top = 280.87  
 In Pl. 18" RCP  
 Inv. In = 275.33  
 In Pl. 112.8' - 24" RCP  
 Inv. Out = 275.22

233 In Pl. CDI  
 Top = 279.79  
 (a) In Pl. 24" RCP  
 Inv. In = 274.99  
 (b) In Pl. 24" RCP  
 Inv. In = 274.89  
 In Pl. 48.5' - 30" RCP  
 Inv. Out = 274.68

234 In Pl. CDI  
 Top = 280.32  
 (a) In Pl. 30" RCP  
 Inv. In = 274.66  
 (b) In Pl. 15" RCP  
 Inv. In = 274.46  
 In Pl. 21.2' - 30" RCP  
 Inv. Out = 274.39

235 In Pl. Endwall  
 In Pl. 30" RCP  
 Inv. = 273.67

236 In Pl. CDI  
 Top = 280.06  
 In Pl. 15" RCP  
 Inv. In = 275.24  
 In Pl. 24.2' - 15" RCP  
 Inv. Out = 274.71

237 In Pl. CDI  
 Top = 279.98  
 In Pl. 45.1' - 15" RCP  
 Inv. Out = 275.46

238 In Pl. CDI  
 Top = 279.74  
 (a) In Pl. 24" RCP  
 Inv. In = 275.47  
 (b) In Pl. 15" RCP  
 Inv. In = 275.42  
 In Pl. 25.1' - 24" RCP  
 Inv. Out = 275.25

239 In Pl. GI  
 Top = 278.78  
 In Pl. 10.0' - 24" RCP  
 Inv. Out = 275.96

240 In Pl. CDI  
 Top = 280.07  
 In Pl. 44.5' - 15" RCP  
 Inv. Out = 275.68

241 In Pl. CDI  
 Top = 292.42  
 In Pl. 27" CMP  
 Inv. In = 282.03  
 In Pl. 33.4' - 27" CMP  
 Inv. Out = 281.77

242 In Pl. CDI  
 Top = 292.22  
 In Pl. 27" CMP  
 Inv. In = 280.80  
 In Pl. 132.7' - 27" CMP  
 Inv. Out = 280.63

243 In Pl. CDI  
 Top = 283.11  
 (a) In Pl. 27" CMP  
 Inv. In = 275.75  
 (b) In Pl. 15" RCP  
 Inv. In = 276.33  
 In Pl. 87.8' - 36" RCP  
 Inv. Out = 275.53

244 In Pl. CDI  
 Top = 283.24  
 In Pl. 36.6' - 15" RCP  
 Inv. Out = 277.52

245 In Pl. CDI  
 Top = 283.23  
 In Pl. 36" RCP  
 Inv. In = 275.07  
 In Pl. 13.9' - 42" RCP  
 Inv. Out = 274.86

246 In Pl. Endwall  
 In Pl. 42" RCP  
 Inv. = 274.47

247 In Pl. 15" RCP  
 Inv. = 283.21

248 In Pl. CDI  
 Top = 305.41  
 In Pl. 63.6' - 15" RCP  
 Inv. Out = 286.91

249 In Pl. 24" RCP  
 Inv. = 283.49

250 In Pl. GI  
 Top = 290.37  
 (a) In Pl. 18" RCP  
 Inv. In = 285.88  
 (b) In Pl. 15" RCP  
 Inv. In = 286.22  
 In Pl. 103.8' - 24" RCP  
 Inv. Out = 285.77

251 In Pl. GI  
 Top = 292.07  
 In Pl. 94.6' - 15" RCP  
 Inv. Out = 287.89

252 In Pl. GI  
 Top = 290.25  
 (a) In Pl. 15" RCP  
 Inv. In = 286.30  
 (b) In Pl. 15" RCP  
 Inv. In = 286.62  
 In Pl. 31.4' - 18" RCP  
 Inv. Out = 286.19

253 In Pl. GI  
 Top = 292.26  
 In Pl. 105.0' - 15" RCP  
 Inv. Out = 288.34

254 In Pl. SDMH  
 Top = 302.03  
 In Pl. 15" RCP  
 Inv. In = 295.71  
 In Pl. 19.8' - 15" RCP  
 Inv. Out = 288.61

255 In Pl. SDMH  
 Top = 309.89  
 In Pl. 15" RCP  
 Inv. In = 298.97  
 In Pl. 13.1' - 15" RCP  
 Inv. Out = 298.83

256 In Pl. GI  
 Top = 311.59  
 In Pl. 15" RCP  
 Inv. In = 304.72  
 In Pl. 22.9' - 15" RCP  
 Inv. Out = 302.49

257 In Pl. CDI  
 Top = 312.68  
 (a) In Pl. 15" RCP  
 Inv. In = 308.73  
 (b) In Pl. 15" RCP  
 Inv. In = 308.89  
 In Pl. 23.3' - 15" RCP  
 Inv. Out = 308.69

258 In Pl. CDI  
 Top = 316.10  
 In Pl. 15" RCP  
 Inv. In = 310.87  
 In Pl. 83.9' - 15" RCP  
 Inv. Out = 310.79

259 In Pl. CDI  
 Top = 318.73  
 In Pl. 237.8' - 15" RCP  
 Inv. Out = 314.54

260 In Pl. 15" CMP  
 Inv. In = 271.53

261 In Pl. Slot Drain  
 Top = 288.80  
 In Pl. 35.5' - 15" CMP  
 Inv. Out = 286.88

262 In Pl. 15" RCP  
 Inv. In = 270.04

263 In Pl. GI  
 Top = 279.33  
 In Pl. 20.7' - 15" RCP  
 Inv. Out = 272.12

264 In Pl. GI  
 Top = 278.23  
 In Pl. 112.4' - 18" RCP  
 Inv. Out = 273.87

265 In Pl. 18" RCP  
 Inv. In = 270.88

266 In Pl. Slot Drain  
 Top = 291.28  
 In Pl. 24.3' - 15" RCP  
 Inv. Out = 289.28

267 In Pl. GI  
 Top = 274.21  
 (a) In Pl. 15" RCP  
 Inv. In = 270.01  
 (b) In Pl. 15" RCP  
 Inv. In = 299.74  
 In Pl. 17.3' - 18" RCP  
 Inv. Out = 269.96

268 In Pl. FES  
 In Pl. 15" RCP  
 Inv. = 269.21

269 In Pl. 18" CMP  
 In Pl. 36.5' 18" CMP  
 Inv. = 284.69

270 In Pl. 18" CMP  
 Inv. = 281.23

271 In Pl. GI  
 Top = 287.45  
 In Pl. 47.4' - 27" RCP  
 Inv. Out = 279.85

272 In Pl. FES  
 In Pl. 27" RCP  
 Inv. = 277.46

273 In Pl. 18" RCP  
 Inv. = 297.73

274 In Pl. 18" RCP  
 In Pl. 47.7' 18" CMP  
 Inv. = 298.59

275 In Pl. 18" CMP  
 In Pl. 32.8' 18" CMP  
 Inv. = 298.42

276 In Pl. 18" CMP  
 Inv. = 297.97

277 In Pl. FES  
 In Pl. 30" RCP  
 Inv. = 296.74

278 In Pl. GI  
 Top = 302.74  
 In Pl. 30" RCP  
 Inv. In = 298.06  
 In Pl. 99.6' - 30" RCP  
 Inv. Out = 298.02

279 In Pl. GI  
 Top = 305.09  
 In Pl. 30" RCP  
 Inv. In = 299.11  
 In Pl. 212.9' - 30" RCP  
 Inv. Out = 299.07

280 In Pl. GI  
 Top = 305.46  
 In Pl. 81.8' - 30" RCP  
 Inv. Out = 302.47

281 In Pl. GI  
 Top = 306.83  
 In Pl. 163.5' - 15" RCP  
 Inv. Out = 301.20

282 In Pl. CDI  
 Top = 306.89  
 In Pl. 15" RCP  
 Inv. In = 299.66  
 (b) In Pl. 15" RCP  
 Inv. In = 299.74  
 In Pl. 17.3' - 18" RCP  
 Inv. Out = 299.56

283 In Pl. GI  
 Top = 305.83  
 In Pl. 58.6' - 15" RCP  
 Inv. Out = 300.65

284 In Pl. GI  
 Top = 300.10  
 In Pl. 18" RCP  
 Inv. In = 289.28  
 In Pl. 18" RCP  
 Inv. Out = 289.07

285 In Pl. FES  
 In Pl. 18" RCP  
 Inv. = 302.44

286 In Pl. Headwall  
 In Pl. 107.3' - 18" RCP  
 Inv. Out = 304.65

287 In Pl. Headwall  
 In Pl. 97.2' - 18" RCP  
 Inv. Out = 317.33

288 In Pl. GI  
 Top = 324.88  
 In Pl. 127.7' - 15" RCP  
 Inv. Out = 320.99

289 In Pl. 6" PVC  
 Inv. In = 314.57  
 In Pl. 7.2' - 6" PVC  
 Inv. Out = 314.01

290 In Pl. GI  
 Top = 311.72  
 Inv. In = 306.07  
 In Pl. 277.92 - 30" RCP  
 Inv. Out = 305.97

291 In Pl. FES  
 In Pl. 277.92 - 30" RCP  
 Inv. Out = 305.23

292 In Pl. CDI  
 Top = 342.97  
 Inv. In = 329.81  
 In Pl. 178.8' - 15" RCP  
 Inv. Out = 329.50

293 In Pl. CDI  
 Top = 335.47  
 Inv. In = 318.08  
 In Pl. 64.0' - 18" RCP  
 Inv. Out = 317.83

294 In Pl. SDMH  
 Top = 321.64  
 Inv. In = 315.55  
 In Pl. 147.6' - 24" RCP  
 Inv. Out = 313.51

295 In Pl. FES  
 In Pl. 147.6' - 24" RCP  
 Inv. Out = 308.54

296 In Pl. Headwall  
 (a) Inv. In = 306.15  
 (b) Inv. In = 306.34  
 (c) Inv. In = 306.14  
 (d) Inv. In = 306.15

297 In Pl. End Section  
 (a) In Pl. 32.9' - 48" CMP  
 Inv. Out = 305.79  
 (b) In Pl. 32.8' - 48" CMP  
 Inv. Out = 306.29  
 (c) In Pl. 32.5' - 48" CMP  
 Inv. Out = 305.96  
 (d) In Pl. 32.6' - 48" CMP  
 Inv. Out = 305.83

**PRELIMINARY**  
**RFP PLANS**  
**For Information**  
**Only**  
**DATE: JULY 2012**

| PROJECT      | SHEET NO. |
|--------------|-----------|
| 6007-053-S96 | IF(6)     |

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
 SURVEYED BY: RICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY: ROBERT B. REED, P.E. (703) 352-7188  
 DESIGNED BY: RICE ASSOCIATES, INC. (703) 968-3200

# EXISTING SANITARY SEWER DESCRIPTIONS

| REVISED | STATE | ROUTE | STATE                         | SHEET NO. |
|---------|-------|-------|-------------------------------|-----------|
|         |       |       | PROJECT                       |           |
|         | VA.   |       | 6007-053-S96, RW-201<br>C-501 | IF(7)     |

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

**AM** In Pl. SMH  
 Rlm = 340.01  
 (a) In Pl. 8" PVC  
 Inv. In = 326.22  
 (b) In Pl. 4" PVC  
 Inv. In = 326.59  
 In Pl. 8" PVC  
 Inv. Out = 326.12

**AV** In Pl. SMH  
 Rlm = 296.31  
 In Pl. 12" PVC  
 Inv. In = 285.17  
 Inv. In (Drop) = 281.45 (Field Verified)  
 In Pl. 128.6' - 12" DIP  
 Inv. Out = 281.50 (Field Verified)

**BD** In Pl. SMH  
 Rlm = 318.35  
 In Pl. 8" PVC  
 Inv. In = 309.19  
 In Pl. 52.0' - 8" PVC  
 Inv. In = 259.57  
 In Pl. 387.0' - 33" CONC  
 CL Structure = 257.97 (Inv. Inaccessible)

**BQ** In Pl. SMH  
 Rlm = 274.20  
 (a) In Pl. 33" CONC  
 CL Structure = 257.97 (Inv. Inaccessible)  
 (b) In Pl. 15" CONC  
 Inv. In = 259.57  
 In Pl. 387.0' - 33" CONC  
 CL Structure = 257.97 (Inv. Inaccessible)

**BY** In Pl. SMH  
 Rlm = 281.72  
 In Pl. 8" PVC  
 Inv. In = 272.69  
 In Pl. 28.5' - 8" PVC  
 Inv. Out = 271.88

**CH** In Pl. SMH  
 Rlm = 282.26  
 In Pl. 33" PVC  
 Inv. In = 269.08  
 In Pl. 399.3' - 33" CONC  
 Inv. Out = 268.54

**AW** In Pl. SMH  
 Rlm = 338.50  
 In Pl. 15" PVC  
 Inv. In = 318.59  
 In Pl. 402.5' - 15" PVC  
 Inv. Out = 318.41

**AX** In Pl. SMH  
 Rlm = 286.81  
 (a) In Pl. 12" DIP  
 Inv. In = 278.12  
 (b) In Pl. 12" DIP  
 Inv. In = 278.42  
 In Pl. 82.4' - 15" DIP  
 Inv. Out = 278.05

**BE** In Pl. SMH  
 Rlm = 331.23  
 (a) In Pl. 8" PVC  
 Inv. In = 313.17  
 Inv. In (Drop) = 316.89  
 (b) In Pl. 8" PVC  
 Inv. In = 313.27  
 In Pl. 233.0' - 8" PVC  
 Inv. In = 258.54  
 In Pl. 33" CONC  
 Inv. Out = 313.04

**BR** In Pl. SMH  
 Rlm = 271.06  
 (a) In Pl. 33" CONC  
 Inv. In = 256.52  
 (b) In Pl. 8" PVC  
 Inv. In = 258.54  
 In Pl. 33" CONC  
 Inv. Out = 256.50

**BZ** In Pl. SMH  
 Rlm = 283.69  
 In Pl. 8" PVC  
 Inv. In = 275.58  
 In Pl. 216.6' - 8" PVC  
 Inv. Out = 275.07

**CI** In Pl. SMH  
 Rlm = 283.19  
 (a) In Pl. 8" PVC  
 Inv. In = 271.60  
 (b) In Pl. 33" PVC  
 Inv. In = 269.42  
 In Pl. 57.5' - 33" PVC  
 Inv. Out = 269.36

**AO** In Pl. SMH  
 Rlm = 324.91  
 In Pl. 15" PVC  
 Inv. In = 313.80  
 In Pl. 104.2' - 15" PVC  
 Inv. Out = 313.72

**AY** In Pl. SMH  
 Rlm = 290.41  
 In Pl. 12" DIP  
 Inv. In = 280.88  
 In Pl. 81.8' - 12" DIP  
 Inv. Out = 280.72

**BJ** In Pl. SMH  
 Rlm = 315.24  
 In Pl. 12" DIP  
 Inv. In = 305.30  
 In Pl. 353.0' - 12" DIP  
 Inv. Out = 305.11

**BS** In Pl. SMH  
 Rlm = 273.83  
 In Pl. 33" CONC  
 Inv. In = 258.19  
 In Pl. 50.6' - 33" CONC  
 Inv. Out = 258.07

**CA** In Pl. SMH  
 Rlm = 289.72  
 In Pl. 8" PVC  
 Inv. In = 280.38  
 In Pl. 153.2' - 8" PVC  
 Inv. Out = 279.89

**CJ** In Pl. SMH  
 Rlm = 281.79  
 In Pl. 33" CONC  
 Inv. In = 270.31  
 In Pl. 419.7' - 33" PVC  
 Inv. Out = 270.26

**AP** In Pl. SMH  
 Rlm = 330.74  
 In Pl. 15" PVC  
 Inv. In = 312.55  
 In Pl. 246.9' - 15" DIP  
 Inv. Out = 312.45

**AZ** In Pl. SMH  
 Rlm = 294.81  
 In Pl. 12" DIP  
 Inv. In = 285.59  
 In Pl. 125.4' - 12" DIP  
 Inv. Out = 285.15

**BK** In Pl. SMH  
 Rlm = 308.89  
 (a) In Pl. 12" DIP  
 Inv. In = 300.07  
 (b) In Pl. 8" PVC  
 Inv. In = 300.03  
 In Pl. 168.9' - 12" DIP  
 Inv. Out = 299.87

**BT** In Pl. SMH  
 Rlm = 274.98  
 In Pl. 33" CONC  
 Inv. In = 260.24  
 In Pl. 361.9' - 33" CONC  
 Inv. Out = 260.14

**CB** In Pl. SMH  
 Rlm = 313.77  
 In Pl. 8" PVC  
 Inv. In = 301.99  
 Inv. In (Drop) = 292.26  
 In Pl. 99.9' - 8" PVC  
 Inv. Out = 291.98

**CK** In Pl. SMH  
 Rlm = 284.98  
 In Pl. 33" CONC  
 Inv. In = 271.66  
 In Pl. 273.5' - 33" CONC  
 Inv. Out = 271.62

**AQ** In Pl. SMH  
 Rlm = 315.11  
 In Pl. 15" DIP  
 Inv. In = 305.06  
 In Pl. 167.5' - 15" DIP  
 Inv. Out = 304.90

**AA** In Pl. SMH  
 Rlm = 298.42  
 In Pl. 12" DIP  
 Inv. In = 288.39  
 In Pl. 194.7' - 12" DIP  
 Inv. Out = 288.43  
 Reverse Flow Field Verified  
 (Strong Flow Exist)

**BL** In Pl. SMH  
 Rlm = 292.30  
 In Pl. 15" DIP  
 Inv. In = 277.08  
 In Pl. 34.5' - 15" DIP  
 Inv. Out = 276.88

**BU** In Pl. SMH  
 Rlm = 277.00  
 (a) In Pl. 33" CONC  
 Inv. In = 263.47  
 (b) In Pl. 12" PVC  
 Inv. In = 265.12  
 In Pl. 230.2' - 33" CONC  
 Inv. Out = 263.38

**CC** In Pl. SMH  
 Rlm = 310.89  
 (a) In Pl. 8" PVC  
 Inv. In = 304.80  
 (b) In Pl. 8" PVC  
 Inv. In = 305.26  
 (c) In Pl. 8" PVC  
 Inv. In = 272.17  
 In Pl. 108.6' - 8" PVC  
 Inv. Out = 304.35

**CL** In Pl. SMH  
 Rlm = 284.92  
 (a) In Pl. 8" PVC  
 Inv. In = 272.10  
 (b) In Pl. 8" PVC  
 Inv. In = 272.25  
 (c) In Pl. 8" PVC  
 Inv. In = 272.17  
 In Pl. 75.3' - 8" PVC  
 Inv. Out = 272.06

**AR** In Pl. SMH  
 Rlm = 308.49  
 In Pl. 15" DIP  
 Inv. In = 299.75  
 In Pl. 190.2' - 15" PVC  
 Inv. Out = 299.66

**BA** In Pl. SMH  
 Rlm = 306.29  
 In Pl. 12" DIP  
 Inv. In = 292.97  
 In Pl. 301.1' - 12" DIP  
 Inv. Out = 293.03  
 Reverse Flow Field Verified  
 (Strong Flow Exists)

**BM** In Pl. SMH  
 Rlm = 292.20  
 In Pl. 15" DIP  
 Inv. In = 276.89  
 In Pl. 167.5' - 15" CONC  
 Inv. Out = 276.71

**BV** In Pl. SMH  
 Rlm = 278.17  
 In Pl. 12" PVC  
 Inv. In (Drop) = 272.55  
 Inv. In = 267.23  
 In Pl. 327.7' - 12" PVC  
 Inv. Out = 266.63

**CD** In Pl. SMH  
 Rlm = 317.34  
 (a) In Pl. 6" PVC  
 Inv. In = 309.85  
 (b) In Pl. 6" PVC  
 Inv. In = 309.85  
 In Pl. 218.6' - 8" PVC  
 Inv. Out = 308.25

**CM** In Pl. SMH  
 Rlm = 282.87  
 In Pl. 6" PVC  
 Inv. In = 277.00  
 In Pl. 335.5' - 8" PVC  
 Inv. Out = 276.89

**AS** In Pl. SMH  
 Rlm = 308.84  
 In Pl. 15" PVC  
 Inv. In = 298.85  
 In Pl. 212.8' - 12" PVC  
 Inv. Out = 298.40

**BB** In Pl. SMH  
 Rlm = 305.98  
 (a) In Pl. 12" DIP  
 Inv. In = 297.37  
 (b) In Pl. 8" PVC  
 Inv. In = 298.25  
 In Pl. 319.2' - 12" DIP  
 Inv. Out = 297.30

**BN** In Pl. SMH  
 Rlm = 283.01  
 In Pl. 15" CONC  
 Inv. In = 274.79  
 In Pl. 164.6' - 15" CONC  
 Inv. Out = 274.59

**BW** In Pl. SMH  
 Rlm = 279.48  
 In Pl. 33" CONC  
 Inv. In = 265.74  
 In Pl. 297.8' - 33" CONC  
 Inv. Out = 265.69

**CE** In Pl. SMH  
 Rlm = 316.91  
 In Pl. 8" PVC  
 Inv. In = 311.53  
 In Pl. 203.7' - 8" PVC  
 Inv. Out = 311.48

**CN** In Pl. SMH  
 Rlm = 290.51  
 (a) In Pl. 8" PVC  
 Inv. In = 282.38  
 (b) In Pl. 8" PVC  
 Inv. In = 282.79  
 In Pl. 68.5' - 8" PVC  
 Inv. Out = 282.33

**AT** In Pl. SMH  
 Rlm = 315.71  
 (a) In Pl. 12" PVC  
 Inv. In = 295.80  
 (b) In Pl. 8" PVC  
 Inv. In = 296.45  
 In Pl. 194.4' - 12" PVC  
 Inv. Out = 295.43

**BC** In Pl. SMH  
 Rlm = 318.02  
 In Pl. 8" PVC  
 Inv. In = 306.74  
 In Pl. 180.4' - 8" PVC  
 Inv. Out = 306.51

**BO** In Pl. SMH  
 Rlm = 279.10  
 In Pl. 15" CONC  
 Inv. In = 270.57  
 In Pl. 245.4' - 15" CONC  
 Inv. Out = 270.31

**BX** In Pl. SMH  
 Rlm = 282.53  
 (a) In Pl. 33" CONC  
 Inv. In = 267.12  
 (b) In Pl. 8" PVC  
 Inv. In = 269.79  
 In Pl. 327.7' - 33" CONC  
 Inv. Out = 266.98

**CF** In Pl. SMH  
 Rlm = 323.53  
 In Pl. 8" PVC  
 Inv. In = 313.72  
 In Pl. 345.2' - 8" PVC  
 Inv. Out = 313.49

**CO** In Pl. SMH  
 Rlm = 293.81  
 In Pl. 8" PVC  
 Inv. In = 287.67  
 In Pl. 75.8' - 8" PVC  
 Inv. Out = 287.48

**AU** In Pl. SMH  
 Rlm = 322.37  
 In Pl. 8" PVC  
 Inv. In = 305.68  
 In Pl. 112.8' - 8" PVC  
 Inv. Out = 305.42

**BP** In Pl. SMH  
 Rlm = 273.37  
 In Pl. 15" CONC  
 Inv. In = 262.88  
 In Pl. 164.4' - 15" CONC  
 Inv. Out = 262.84

**CG** In Pl. SMH  
 Rlm = 324.07  
 Inv. In = Inaccessible  
 In Pl. 205.7'  
 Inv. Out = Inaccessible

**PRELIMINARY**

**RFP PLANS  
 For Information  
 Only**

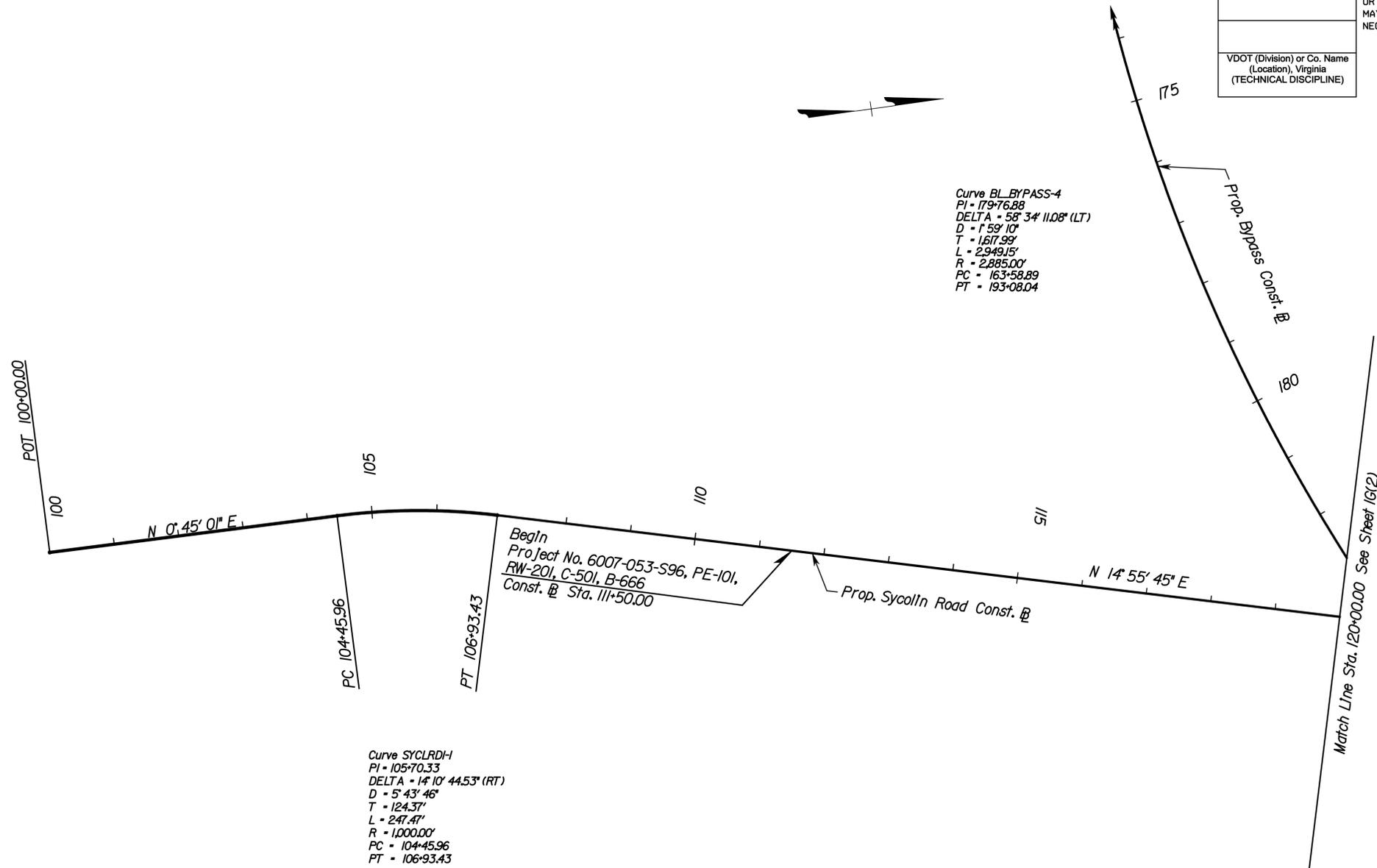
**DATE: JULY 2012**

| PROJECT      | SHEET NO. |
|--------------|-----------|
| 6007-053-S96 | IF(7)     |

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
 SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY: ROBERT G. REED P.E. (703) 352-7188  
 DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

# ALIGNMENT DATA SHEET

|   |       |       |                               |           |
|---|-------|-------|-------------------------------|-----------|
| REVISED   | STATE | ROUTE | STATE PROJECT                 | SHEET NO. |
|   | VA.   |       | 6007-053-S96, RW-201<br>C-501 | 1G(1)     |
| 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)   |       |       |                               |           |



PRELIMINARY

RFP PLANS  
 For Information  
 Only  
 DATE: JULY 2012



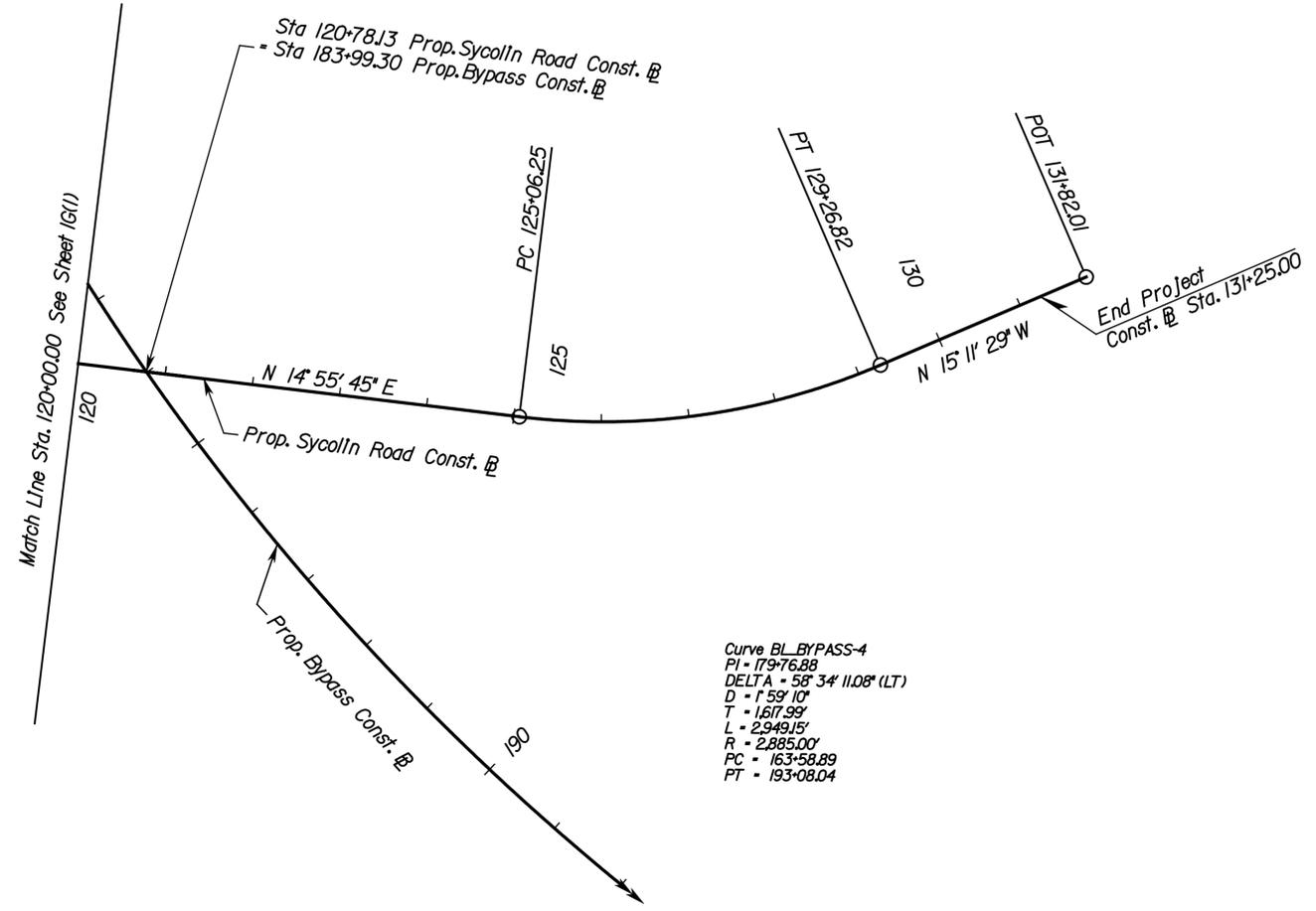
|              |           |
|--------------|-----------|
| PROJECT      | SHEET NO. |
| 6007-053-S96 | 1G(1)     |

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
 SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY: ROBERT G. REED, P.E. (703) 352-7188  
 DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

# ALIGNMENT DATA SHEET

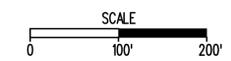
|   |       |       |                               |           |
|---|-------|-------|-------------------------------|-----------|
| REVISED   | STATE | ROUTE | STATE PROJECT                 | SHEET NO. |
|   | VA.   |       | 6007-053-S96, RW-201<br>C-501 |           |
| DESIGN FEATURES RELATING TO 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)   |       |       |                               |           |

Curve SYCLRDI-2  
 PI = 127+21.51  
 DELTA = 30° 07' 14.80" (LT)  
 D = 7° 09' 43"  
 T = 215.26'  
 L = 420.57'  
 R = 800.00'  
 PC = 125+06.25  
 PT = 129+26.82  
 V = 40 MPH  
 e = 3.8%  
 Lr = 119'



Curve BL\_BYPASS-4  
 PI = 179+76.88  
 DELTA = 58° 34' 11.08" (LT)  
 D = 1° 59' 10"  
 T = 1617.99'  
 L = 2949.15'  
 R = 2885.00'  
 PC = 163+58.89  
 PT = 193+08.04

**PRELIMINARY**  
**RFP PLANS**  
**For Information**  
**Only**  
**DATE: JULY 2012**



|              |           |
|--------------|-----------|
| PROJECT      | SHEET NO. |
| 6007-053-S96 | 1G(2)     |

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
 SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY: ROBERT G. REED P.E. (703) 352-7188  
 DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

# ALIGNMENT DATA SHEET

|   |       |       |                               |           |
|---|-------|-------|-------------------------------|-----------|
| REVISED   | STATE | ROUTE | STATE PROJECT                 | SHEET NO. |
|   | VA.   |       | 6007-053-S96, RW-201<br>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)   |       |       |                               |           |

## Prop. Sycolln Road Construction Baseline

Chain SYCLRDI contains:  
 SRI CUR SYCLRDI-1 CUR SYCLRDI-2 SR2

Beginning chain SYCLRDI description

Point SRI N 521,897.4 E 3,549,652.66 Sta 100+00.00

Course from SRI to PC SYCLRDI-1 N 0° 45' 00.83" E Dist 445.96

### Curve Data

Curve SYCLRDI-1

P.J. Station 105+70.33 N 521,760.02 E 3,549,660.13

Delta = 14° 10' 44.53" (RT)

Degree = 5° 43' 46.48"

Tangent = 124.37

Length = 247.47

Radius = 1,000.00

External = 7.70

Long Chord = 246.84

Mid. Ord. = 7.65

P.C. Station 104+45.96 N 521,635.66 E 3,549,658.50

P.T. Station 106+93.43 N 521,880.19 E 3,549,692.17

C.C. N 521,622.57 E 3,550,658.42

Back = N 0° 45' 00.83" E

Ahead = N 14° 55' 45.36" E

Chord Bear = N 7° 50' 23.10" E

Course from PT SYCLRDI-1 to PC SYCLRDI-2 N 14° 55' 45.36" E Dist 1,812.82

### Curve Data

Curve SYCLRDI-2

P.J. Station 127+21.51 N 523,839.82 E 3,550,214.66

Delta = 30° 07' 14.80" (LT)

Degree = 7° 09' 43.10"

Tangent = 215.26

Length = 420.57

Radius = 800.00

External = 28.46

Long Chord = 415.74

Mid. Ord. = 27.48

P.C. Station 125+06.25 N 523,631.82 E 3,550,159.20

P.T. Station 129+26.82 N 524,047.56 E 3,550,158.25

C.C. N 523,837.92 E 3,549,386.21

Back = N 14° 55' 45.36" E

Ahead = N 15° 11' 29.44" W

Chord Bear = N 0° 07' 52.04" W

Course from PT SYCLRDI-2 to SR2 N 15° 11' 29.44" W Dist 255.20

Point SR2 N 524,293.84 E 3,550,091.38 Sta 131+82.01

Ending chain SYCLRDI description

## Prop. Bypass Construction Baseline

### Curve Data

Curve BL BYPASS-4

P.J. Station 179+76.88 N 522,607.31 E 3,549,634.80

Delta = 58° 34' 11.08" (LT)

Degree = 1° 59' 09.56"

Tangent = 1,617.99

Length = 2,949.15

Radius = 2,885.00

External = 422.73

Long Chord = 2,822.41

Mid. Ord. = 368.71

P.C. Station 163+58.89 N 522,993.05 E 3,548,063.48

P.T. Station 193+08.04 N 523,746.93 E 3,550,783.34

C.C. N 525,794.86 E 3,548,751.29

Back = S 76° 12' 25.93" E

Ahead = N 45° 13' 22.99" E

Chord Bear = N 74° 30' 28.53" E

Course from PT BL BYPASS-4 to BL2 N 45° 13' 22.99" E Dist 693.61

Point BL2 N 524,235.47 E 3,551,275.70 Sta 200+01.64

Ending chain BL BYPASS description

PRELIMINARY

RFP PLANS  
 For Information  
 Only

DATE: JULY 2012

PROJECT SHEET NO.  
 6007-053-S96 1G(3)

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
 SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY: ROBERT G. REED P.E. (703) 352-7188  
 DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

# '95 CADD LEVEL STRUCTURE

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

| REVISED | STATE |                            | SHEET NO. |
|---------|-------|----------------------------|-----------|
|         | ROUTE | PROJECT                    |           |
|         | VA.   | 6007-053-S96, RW-201-C-501 | 1K        |

## SURVEY

- LEVEL 1 CENTERLINE, TRAVERSE, CONTROL STATION
- LEVEL 2 BRIDGES
- LEVEL 3 EDGE OF PAVEMENT GRAVEL CONCRETE, ASPHALT PARKING LOT
- LEVEL 4 CURB AND GUTTER
- LEVEL 5 CURB & CONCRETE ISLANDS
- LEVEL 6 PAVED & GRAVEL SHOULDER
- LEVEL 7 SIDEWALK (ALONG ROADS), WHEELCHAIR RAMPS
- LEVEL 8 BUILDINGS, PORCHES, DECKS, PATIOS & SWIMMING POOLS
- LEVEL 9 WALKS (AROUND HOUSES & BUILDINGS)
- LEVEL 10 STEPS
- LEVEL 11 FENCES & GATES
- LEVEL 12 WOOD LINE, TREES, SHRUBS, HEDGEROWS
- LEVEL 13 RETAINING WALLS
- LEVEL 14 CONCRETE SLABS, BALLARDS, COLUMNS, SIGNS, POSTS, GAS ISLANDS & PLAYSETS
- LEVEL 15 ABOVE GROUND TANKS, DUMPSTERS, PROPANE TANKS
- LEVEL 16 GUARDRAIL & JERSEY BARRIER
- LEVEL 17 BODIES OF WATER, STREAMS, LAKES, ETC.
- LEVEL 18 PAVED DITCHES, RIPRAP
- LEVEL 19 DRAINAGE ITEMS DAMS, ENDWALLS & ENDSECTIONS CATCH BASINS, DROP INLETS & DI MANHOLES CULVERT PIPES
- LEVEL 20 ALL RAILROAD ITEMS, RAILROAD TIES
- LEVEL 21 SEPTIC TANKS, DRAIN FIELDS, WELLS
- LEVEL 22 CEMETERY LOCATION & GRAVES
- LEVEL 23 RIGHT OF WAY AND RIGHT OF WAY MONUMENTS
- LEVEL 24 PROPERTY LINES, TEMPORARY EASEMENT, PERMANENT EASEMENT, PROPERTY PINS
- LEVEL 25 STATE, COUNTY AND CITY BOUNDARY LINES
- LEVEL 26 UTILITY EASEMENTS
- LEVEL 27 WELANDS
- LEVEL 28 GAS PUMPS, GAS TANKS, FILLER CAPS, MONITORING WELLS, VENT PIPES, ETC.
- LEVEL 29 MINE INFORMATION
- LEVEL 30 EXISTING NOISE BARRIER WALLS
- LEVEL 31-60 ANNOTATION FOR LEVELS 1-30
- LEVEL 61 TRAFFIC SIGNS IN R/W, BASE PLAN SHEET, NORTH ARROW, SCALE BAR, ETC.
- LEVEL 62 GRID AND LABELS; ELEVATION TICKS, PROJECT NOTES
- LEVEL 63 NOT ASSIGNED

## DESIGN

- LEVEL 1 BASELINE & SUB-TANGENTS
- LEVEL 2 BRIDGES
- LEVEL 3 EDGE OF PAVEMENT & PRIVATE ENTRANCES
- LEVEL 4 CURB AND GUTTER
- LEVEL 5 CURB
- LEVEL 6 PAVED SHOULDER
- LEVEL 7 SIDEWALK AND/OR BICYCLE TRAIL
- LEVEL 8 NOT ASSIGNED
- LEVEL 9 NOT ASSIGNED
- LEVEL 10 STEPS
- LEVEL 11 FENCES
- LEVEL 12 DIRECTIONAL ARROWS, PAVEMENT STRIPING & FLUSH MEDIAN DELINEATION
- LEVEL 13 RETAINING WALLS
- LEVEL 14 CONCRETE SLABS, COLUMNS, SIGNS, POSTS
- LEVEL 15 NOT ASSIGNED
- LEVEL 16 GUARDRAIL & JERSEY BARRIER
- LEVEL 17 NOT ASSIGNED
- LEVEL 18 PAVED DITCHES
- LEVEL 19 RESERVED FOR MISC. DRAIN. ITEMS TO BE PLACED BY ROAD DESIGNERS
- LEVEL 20 RAILROADS, ETC.
- LEVEL 21 NOT ASSIGNED
- LEVEL 22 LIMITS OF CONSTRUCTION
- LEVEL 23 RIGHT-OF-WAY, TEMP. & PERM. EASEMENTS
- LEVEL 24 NOT ASSIGNED
- LEVEL 25-29 NOT ASSIGNED
- LEVEL 30 PROPOSED NOISE BARRIER WALLS & ANNOTATION
- LEVEL 31-54 ANNOTATION FOR LEVELS 1-24
- LEVEL 55-60 NOT ASSIGNED
- LEVEL 61 BASE PLAN SHEET, SCALE BAR, NORTH ARROW, MATCH LINES, SEALING & SIGNING BLOCKS
- LEVEL 62 NOT ASSIGNED
- LEVEL 63 NOT ASSIGNED

## HYDRAULICS - DRAINAGE

- LEVEL 1 PIPES FROM #1 TO 42 (CUSTOM LINE STYLES)
- LEVEL 2 PIPES 48" AND LARGER (CUSTOM LINE STYLE)
- LEVEL 3 STANDARD BOX CULVERTS LC-0, WT-5
- LEVEL 4 ENDWALLS (CELLS)
- LEVEL 5 END SECTIONS (CELLS)
- LEVEL 6 DITCHES AND FLUMES WT-4, LC-0 (CUSTOM LINE STYLE)
- LEVEL 7 ENERGY DISSIPATORS, PIPE SPILLOUT AND SPRING BOXES (CELLS)
- LEVEL 8 MANHOLES AND JUNCTION BOXES (CELLS)
- LEVEL 9 DROP INLETS D#1, D#5 AND D#9 SERIES (CELLS)
- LEVEL 10 DROP INLETS D#2 SERIES (CELLS)
- LEVEL 11 DROP INLETS D#3 SERIES (CELLS)
- LEVEL 12 DROP INLETS D#4 SERIES (CELLS)
- LEVEL 13 DROP INLETS D#7 SERIES (CELLS)
- LEVEL 14 DROP INLETS D#0 SERIES (CELLS)
- LEVEL 15 DROP INLETS D#11 AND D#13 SERIES (CELLS)
- LEVEL 16 DROP INLETS D#12 SERIES (CELLS)
- LEVEL 17 DROP INLETS D#14 SERIES (CELLS)
- LEVEL 18 SPECIAL DESIGN ITEMS (ENDWALLS, INLETS, ETC.)
- LEVEL 19 UNDERDRAINS (CD-1 & 2, UD-1, UD-2, ETC.) (CUSTOM LINE STYLE)
- LEVEL 20 UNDERDRAIN OUTLET PIPE AND EW#2 ENDSECTIONS (CUSTOM LINE STYLE & CELLS)
- LEVEL 21 STONE & OUTLET PROTECTION (EC-1, RIPRAP CHANNEL, ETC.) (CELLS)
- LEVEL 22 SWM BASIN ITEMS (BASIN, RISERS, WEIRS, ETC.)
- LEVEL 23 SWM BASIN (BASELINE/ALIGNMENT)
- LEVEL 24 SWM BASIN (PLAN VIEW/CONTOURS)
- LEVEL 25 SWM BASIN (MISCELLANEOUS/ITEMS)
- LEVEL 26 SWM BASIN (DESCRIPTIONS/NOTES)
- LEVEL 27 TYPICAL DITCH DETAILS
- LEVEL 28-30 NOT ASSIGNED
- LEVEL 31-60 ANNOTATION FOR LEVELS 1-30 NOTE: ALL DRAINAGE STRUCTURE LABELS ON LEVEL 31
- LEVEL 61 BASE PLAN SHEET, SCALE BAR, NORTH ARROW, MATCH LINES, ETC. WT-5, LC-0
- LEVEL 62 NOT ASSIGNED
- LEVEL 63 PROJECT NOTES

## EROSION & SEDIMENT CONTROL

- LEVEL 1 PHASE I - EROSION CONTROL ITEMS (TFB, TSF, TURB. CURTAIN) (CUSTOM LINE STYLE)
- LEVEL 2 PHASE I - EROSION CONTROL DITCH ITEMS (EC-2, EC-3, ETC.) (CUSTOM LINE STYLE)
- LEVEL 3 PHASE I - EROSION CONTROL STONE (EC-1, RIPRAP, CHECK DAMS) (CELLS)
- LEVEL 4 PHASE I - EROSION CONTROL ITEMS (SEDIMENT TRAPS & BASINS)
- LEVEL 5 PHASE I - EROSION CONTROL ITEMS (DIVERSION DIKES & DITCHES) (CUSTOM LINE STYLE)
- LEVEL 6 PHASE I - EROSION CONTROL ITEMS (TEMPORARY DIVERSION CHANNELS) (CUSTOM LINE STYLE)
- LEVEL 7 PHASE I - EROSION CONTROL ITEMS (MISCELLANEOUS DIVERSION ITEMS)
- LEVEL 8 PHASE I - EROSION CONTROL ITEMS (BRUSH BARRIERS, LEVEL SPREADERS, ETC.)
- LEVEL 9 PHASE I - MISCELLANEOUS EROSION CONTROL ITEMS
- LEVEL 10 PHASE I - TEMPORARY DRAINAGE (PIPES) (CUSTOM LINE STYLE)
- LEVEL 11 PHASE I - PROPOSED DRAINAGE (PIPES) (CUSTOM LINE STYLE)
- LEVEL 12 PHASE I - PROPOSED DRAINAGE (SWM)
- LEVEL 13 PHASE I - EXISTING CONTOURS (LC-1, WT-1)
- LEVEL 14 PHASE I - PROPOSED CONTOURS
- LEVEL 15 PHASE I - SYMBOLS, LEGEND AND NOTES
- LEVEL 16 PHASE II - EROSION CONTROL ITEMS (TFB, TSF, TURB. CURTAIN) (CUSTOM LINE STYLE)
- LEVEL 17 PHASE II - EROSION CONTROL DITCH ITEMS (EC-2, EC-3, ETC.) (CUSTOM LINE STYLE)
- LEVEL 18 PHASE II - EROSION CONTROL STONE (EC-1, RIPRAP, CHECK DAMS) (CELLS)
- LEVEL 19 PHASE II - EROSION CONTROL ITEMS (SEDIMENT TRAPS & BASINS)
- LEVEL 20 PHASE II - EROSION CONTROL ITEMS (DIVERSION DIKES & DITCHES) (CUSTOM LINE STYLE)
- LEVEL 21 PHASE II - EROSION CONTROL ITEMS (TEMPORARY DIVERSION CHANNELS) (CUSTOM LINE STYLE)
- LEVEL 22 PHASE II - EROSION CONTROL ITEMS (MISCELLANEOUS DIVERSION ITEMS)
- LEVEL 23 PHASE II - EROSION CONTROL ITEMS (BRUSH BARRIERS, LEVEL SPREADERS, ETC.)
- LEVEL 24 PHASE II - MISCELLANEOUS EROSION CONTROL ITEMS
- LEVEL 25 PHASE II - TEMPORARY DRAINAGE (PIPES) (CUSTOM LINE STYLE)
- LEVEL 26 PHASE II - PROPOSED DRAINAGE (PIPES) (CUSTOM LINE STYLE)
- LEVEL 27 PHASE II - PROPOSED DRAINAGE (SWM)
- LEVEL 28 PHASE II - EXISTING CONTOURS (LC-1, WT-1)
- LEVEL 29 PHASE II - PROPOSED CONTOURS
- LEVEL 30 PHASE II - SYMBOLS, LEGEND AND NOTES
- LEVEL 31-60 ANNOTATION FOR LEVELS 1-30
- LEVEL 61 BASE PLAN SHEET, SCALE BAR, NORTH ARROW, ETC. WT-5, LC-0
- LEVEL 62 NOT ASSIGNED
- LEVEL 63 PROJECT NOTES

## TRAFFIC ENGINEERING

- LEVEL 1 PROPOSED AND EXISTING SIGNAL FACES & NUMBERS SIGN FACES & NUMBERS (Legend)
- LEVEL 2 PROPOSED UNDERGROUND SIGNAL EQUIPMENT CONDUIT, JUNCTION BOXES, MANHOLES
- LEVEL 3 UNDERGROUND EQUIPMENT LABELS CONDUIT, WIRE, JUNCTION BOXES
- LEVEL 4 PROPOSED ABOVE GROUND MINOR SIGNAL EQUIPMENT SIGNS ON SPANWIRE, MAST ARMS, POLES, SIGNAL HEADS, PEDESTRIAN PUSHBUTTONS, ETC.
- LEVEL 5 ABOVE GROUND EQUIPMENT LABELS SIGNAL POLE LABELS SIGNAL HEAD LABELS, SIGN LABELS, PHASE INFO, SIGNAL POLE DETAIL
- LEVEL 6 PROPOSED LOOPS/VIDEO DETECTION ZONES LOOPS, VIDEO DETECTION ZONES, MICROLOOP PROBE
- LEVEL 7 SIGNAL CHARTS COLOR SEQUENCE CHART, PHASING DIAGRAM, PREEMPTION DIAGRAM, TIMING CHART
- LEVEL 8 OVERHEAD UTILITY HEIGHT INFORMATION
- LEVEL 9 EXISTING UNDERGROUND SIGNAL EQUIPMENT CONDUIT, JUNCTION BOXES, MANHOLES
- LEVEL 10 EXISTING ABOVE GROUND MINOR SIGNAL EQUIPMENT POLE, MAST ARM, SPAN WIRE, SIGNAL HEADS, PEDESTRIAN PUSHBUTTONS, CONTROLLER/CABINET & FOUNDATION, ETC.
- LEVEL 11 EXISTING LOOPS/VIDEO DETECTION ZONES LOOPS, VIDEO DETECTION ZONES, MICROLOOP PROBES
- LEVEL 12 EXISTING PAVEMENT MARKINGS (LONGITUDINAL)
- LEVEL 13 EXISTING TRANSVERSE MARKINGS (STOP BARS & CROSSWALKS)
- LEVEL 14 EXISTING HATCHING
- LEVEL 15 EXISTING LETTERS/ARROWS/SYMBOLS
- LEVEL 16 GUARDRAIL AND JERSEY BARRIER
- LEVEL 17 PROPOSED PAVEMENT MARKINGS (LONGITUDINAL)
- LEVEL 18 PROPOSED TRANSVERSE MARKINGS (STOP BARS & CROSSWALKS)
- LEVEL 19 PROPOSED HATCHING
- LEVEL 20 PROPOSED LETTERS/ARROWS/SYMBOLS
- LEVEL 21 PAVEMENT MARKINGS LABELS
- LEVEL 22 DIRECTIONAL ARROWS (LANE ARRANGEMENTS ARROWS)
- LEVEL 23 EXISTING AND PROPOSED ROW PROPOSED R/W FOR TCD'S, LABELS AND LEADERS
- LEVEL 24 EXISTING SIGN LOCATIONS INCLUDING STRUCTURES (SYMBOLS)
- LEVEL 25 EXISTING SIGN FACES & LEADERS EXISTING SIGN FACES, EXISTING SIGN LEADERS, 'X' FOR EXISTING SIGNS TO BE REMOVED
- LEVEL 26 PROPOSED SIGN LOCATIONS, INCLUDING STRUCTURES (SYMBOLS)
- LEVEL 27 PROPOSED SIGN FACES & LEADERS, PROPOSED SIGN FACES, PROPOSED SIGN LEADERS
- LEVEL 28 SIGN NUMBER/CALL-OUTS PROPOSED SIGN CALL-OUT, EXISTING SIGN CALL-OUT
- LEVEL 29 SIGN DETAIL SHEET
- LEVEL 30 SIGN SCHEDULE SHEET
- LEVEL 31 OVERHEAD SIGN SUPPORT DATA SUMMARY & NOTES
- LEVEL 32 VA AND VIA STRUCTURE SHEET

- LEVEL 33 PROPOSED ABOVE GROUND EQUIPMENT POLES, LUMINAIRES, ARMS, ELECTRICAL SERVICE, CONTROL CENTER
- LEVEL 34 PROPOSED UNDERGROUND EQUIPMENT CONDUIT, JUNCTION BOXES, FOUNDATIONS, DUCT CABLE
- LEVEL 35 PROPOSED UNDER BRIDGE LIGHTING
- LEVEL 36 LIGHTING LABELS POLE LOCATION LABEL, LUMINAIRE LABEL, CONDUIT/CABLE IDENTIFIER LABEL, EXIST. CONDUIT/CABLE IDENTIFIER LABEL
- LEVEL 37 EXISTING ABOVE GROUND EQUIPMENT - LIGHTING LUMINAIRES (INCLUDING UNDER BRIDGE), POLES, CONTROL CENTER, ELECTRICAL SERVICE, ARMS
- LEVEL 38 EXISTING UNDERGROUND EQUIPMENT - LIGHTING CONDUIT, JUNCTION BOXES, DUCT CABLE
- LEVEL 39 SIGNAL LEGEND
- LEVEL 40 SIGNAL POLE LEGEND
- LEVEL 41 SIGNING LEGEND
- LEVEL 42 PAVEMENT MARKING LEGEND
- LEVEL 43 LIGHTING LEGEND
- LEVEL 44 SUMMARY OF QUANTITIES
- LEVEL 45 GENERAL NOTES & PLAN NOTES
- LEVEL 46 LOCATION INFORMATION ROADWAY NAMES, BASELINE NAME, DIRECTIONAL ARROWS, DIRECTIONAL ARROW TEXT
- LEVEL 47 DIMENSIONS, TERMINATORS
- LEVEL 48 PROP. ABOVE GROUND MAJOR SIGNAL EQUIPMENT POLE - MAST ARM, COMBO MAST ARM, STRAIN, COMBO STRAIN, PF-2, PF-3 MAST ARM, SPAN WIRE, CONTROLLER/ CABINET & FOUNDATION, UTILITY POLES
- LEVEL 49 EXIST. ABOVE GROUND MAJOR SIGNAL EQUIPMENT POLE - MAST ARM, COMBO MAST ARM, STRAIN, COMBO STRAIN, PF-2, PF-3 MAST ARM, SPAN WIRE, CONTROLLER/ CABINET & FOUNDATION, UTILITY POLES
- LEVEL 50 'CLIP MASK' BOUNDARIES
- LEVEL 51 'CLIP BOUNDARY' BOUNDARIES
- LEVEL 52 PROPOSED SIGNAL POLES FOUNDATIONS
- LEVEL 53 CLEARZONE TEMPLATES FOR SIGNAL/LIGHT POLES
- LEVEL 54 SIGNAL HEAD SIGHT LINES - NB
- LEVEL 55 SIGNAL HEAD SIGHT LINES - SB
- LEVEL 56 SIGNAL HEAD SIGHT LINES - EB
- LEVEL 57 SIGNAL HEAD SIGHT LINES - WB
- LEVEL 58 SIGNAL DESIGNER WORKING LEVEL PAVEMENT MARKING LAYOUTS, SIGNAL WORKING LEVEL, LIGHTING WORKING LEVEL, SIGNING WORKING LEVEL
- LEVEL 59 STAGING AREAS DIRECTIONAL BORE STAGING AREA, JACKING PIT - 20' PIPE SLEEVE JACKING PIT - 10' PIPE SLEEVE
- LEVEL 60 BORDER TEXT - FILL-IN PRELIMINARY PLANS TITLE
- LEVEL 61 SHEET INFORMATION NORTH ARROW, SCALE BAR, MATCHLINES, BORDER, STANDARD BORDER TEXT, VDOT LOGO, CONSULTANT LOGO
- LEVEL 62 BORDER SNAP LOCATIONS
- LEVEL 63 PRINT BOUNDARY

**PRELIMINARY**  
**RFP PLANS**  
**For Information**  
**Only**  
**DATE: JULY 2012**

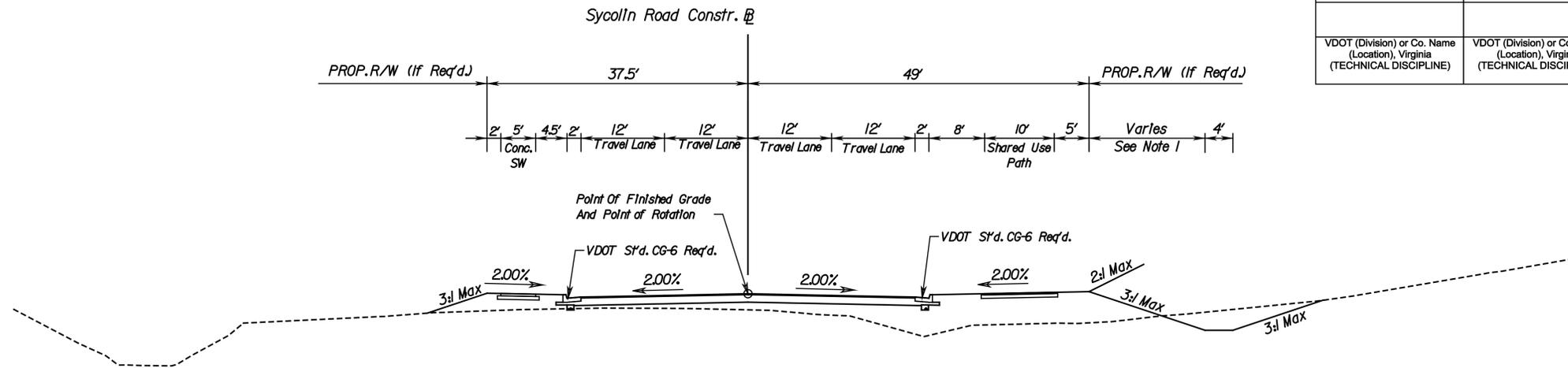
NOTE: Survey Utility Information will be in a separate file. Digital Terrain Model Information will be in separate files.

| PROJECT      | SHEET NO. |
|--------------|-----------|
| 6007-053-S96 | 1K        |

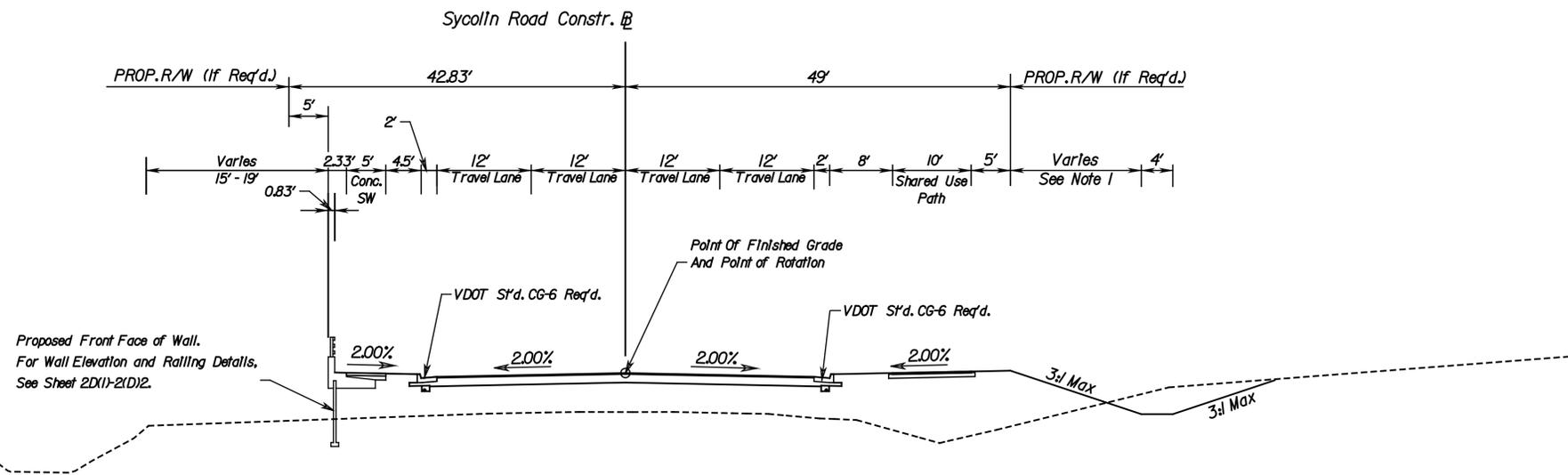
PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
 SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY: ROBERT G. REED, P.E. (703) 352-7188  
 DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

# TYPICAL SECTIONS

|   |       |   |                               |   |
|---|-------|---|-------------------------------|---|
| REVISED   | STATE | ROUTE   | STATE PROJECT                 | SHEET NO.   |
|   | VA.   |   | 6007-053-S96, RW-201<br>C-501 | 2B(1)   |
| 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) |                               | VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE) |



Sycollin Road  
 Sta 111+50.00 to Sta 114+00.00  
 N. T. S.



Sycollin Road  
 Sta 114+00.00 to Sta 117+00.00  
 N. T. S.

**PRELIMINARY**

RFP PLANS  
 For Information  
 Only  
 DATE: JULY 2012

**Notes:**

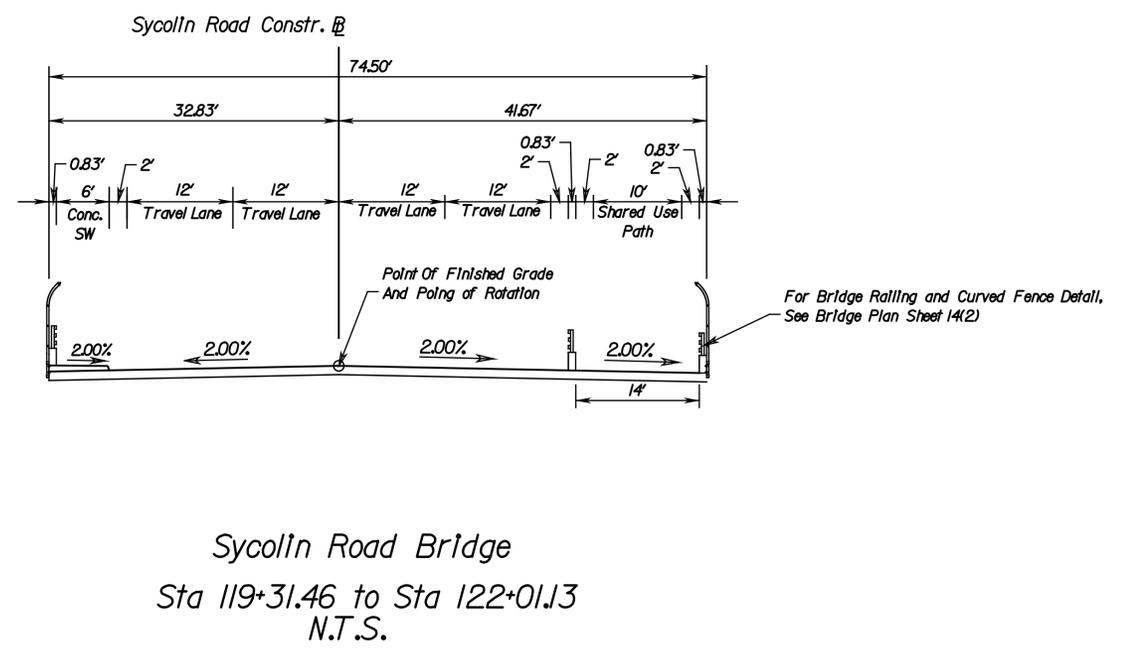
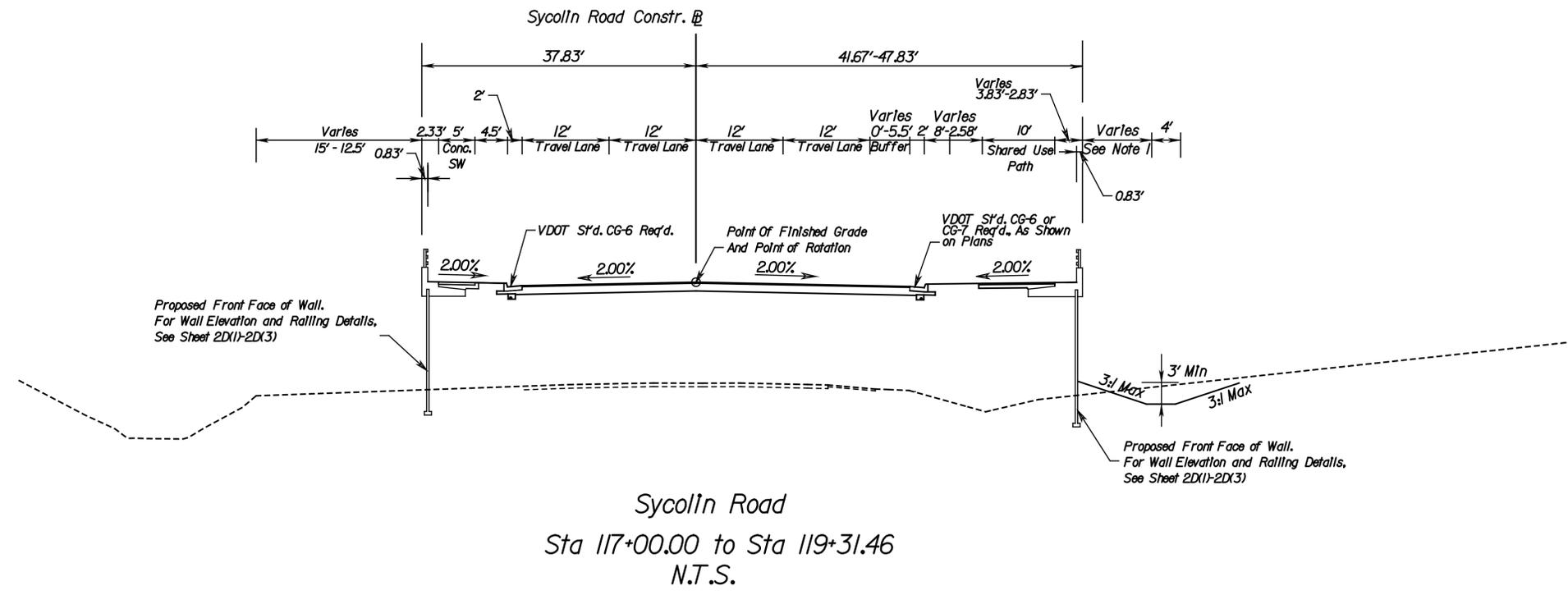
1. See Cross Sections For Dimensions.

|              |           |
|--------------|-----------|
| PROJECT      | SHEET NO. |
| 6007-053-S96 | 2B(1)     |

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
 SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY: ROBERT G. REED, P.E. (703) 352-7188  
 DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

# TYPICAL SECTIONS

| REVISED   | STATE   |   | SHEET NO. |
|---|---|---|-----------|
|   | STATE   | PROJECT   |           |
|   | VA.   | 6007-053-S96, RW-201<br>C-501   | 2B(2)     |
| 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) | VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE) |           |



**PRELIMINARY**

RFP PLANS  
For Information  
Only  
DATE: JULY 2012

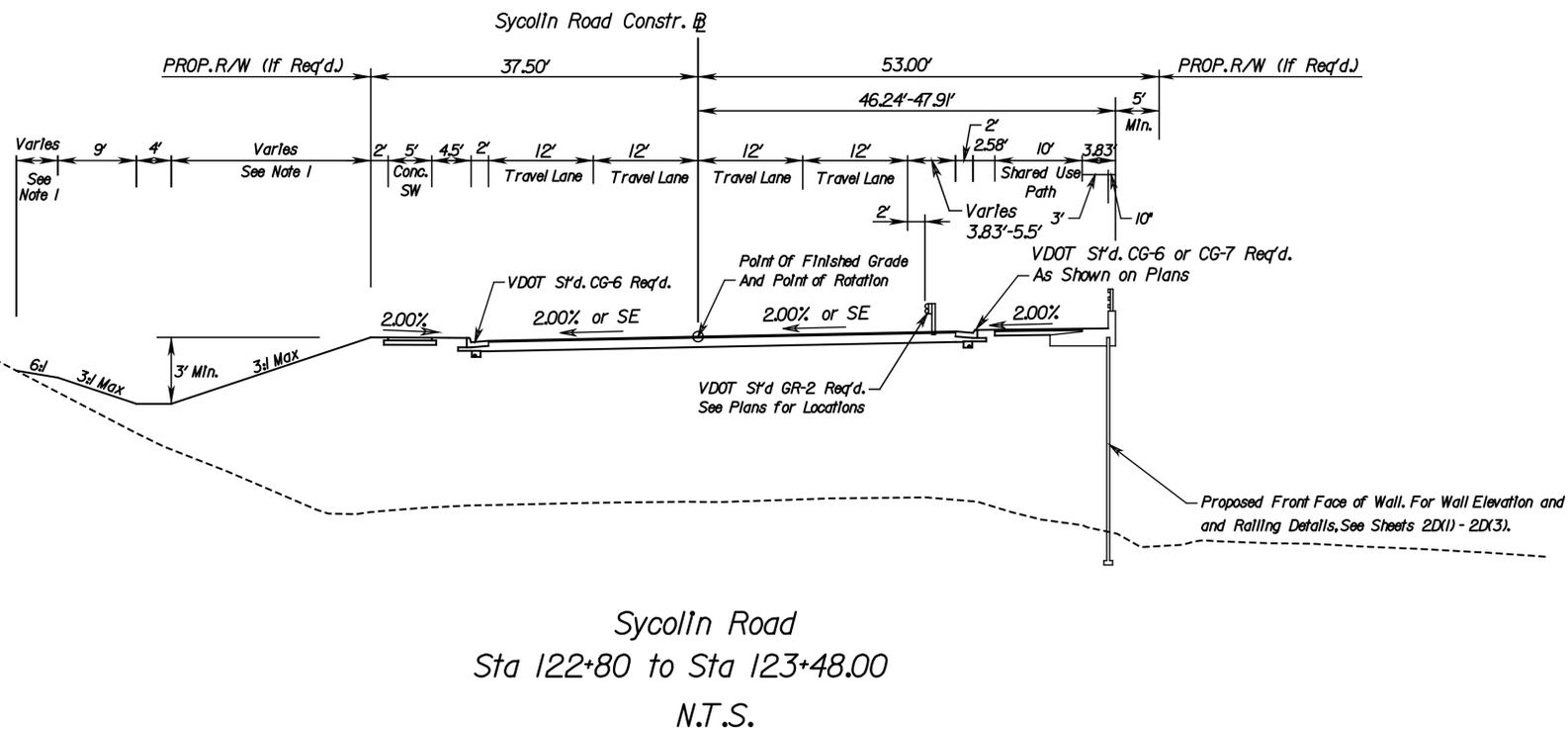
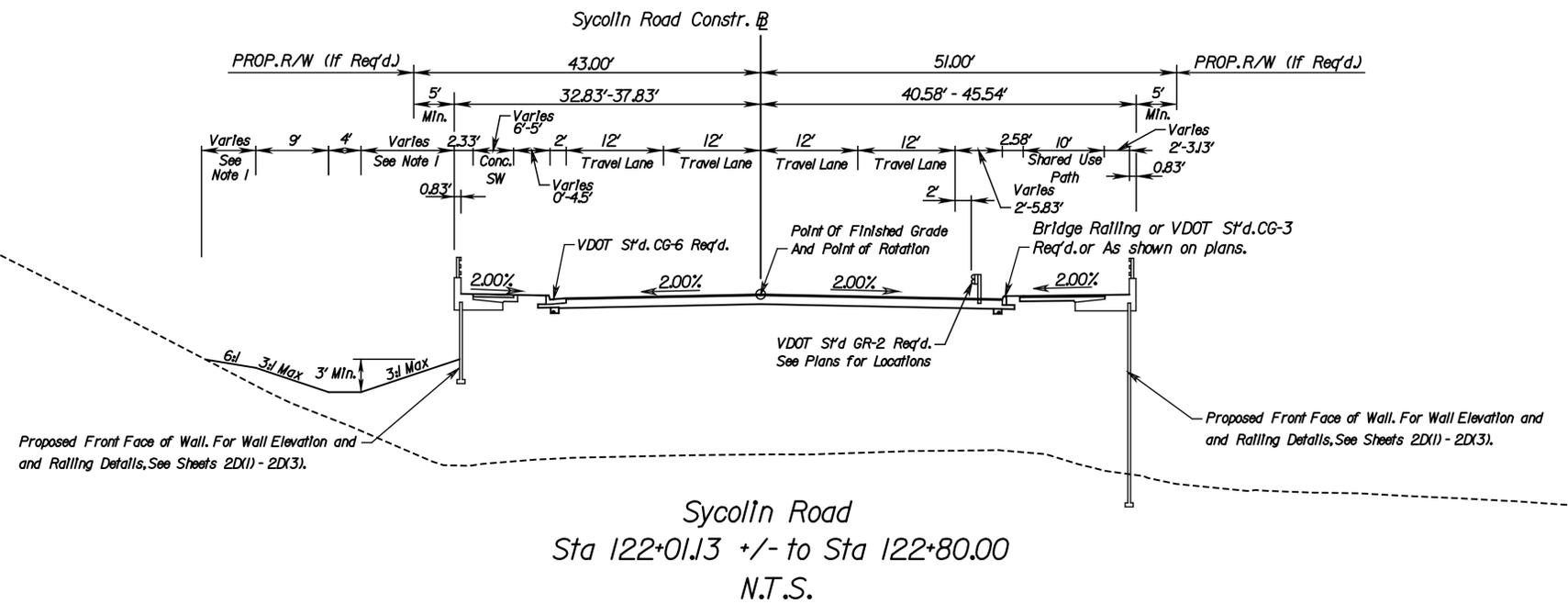
Notes:  
1. See Cross Sections For Dimensions.

|              |           |
|--------------|-----------|
| PROJECT      | SHEET NO. |
| 6007-053-S96 | 2B(2)     |

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
 SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY: ROBERT G. REED, P.E. (703) 352-7188  
 DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

# TYPICAL SECTIONS

| REVISED   | STATE | ROUTE | STATE PROJECT   |  | SHEET NO. |
|---|-------|-------|---|--|-----------|
|   |       |       | PROJECT   |  |           |
|   | VA.   |       | 6007-053-S96, RW-201<br>C-501   |  | 2B(3)     |
| 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) |  |           |



**Notes:**  
 1. See Cross Sections For Dimensions.

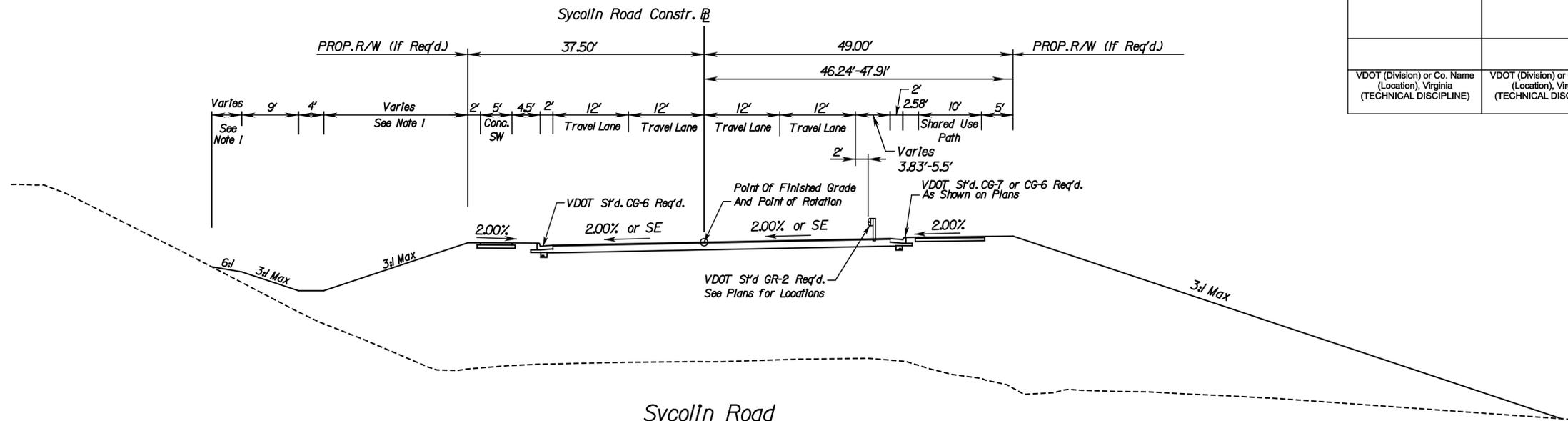
**PRELIMINARY**  
 RFP PLANS  
 For Information  
 Only  
 DATE: JULY 2012

|              |           |
|--------------|-----------|
| PROJECT      | SHEET NO. |
| 6007-053-S96 | 2B(3)     |

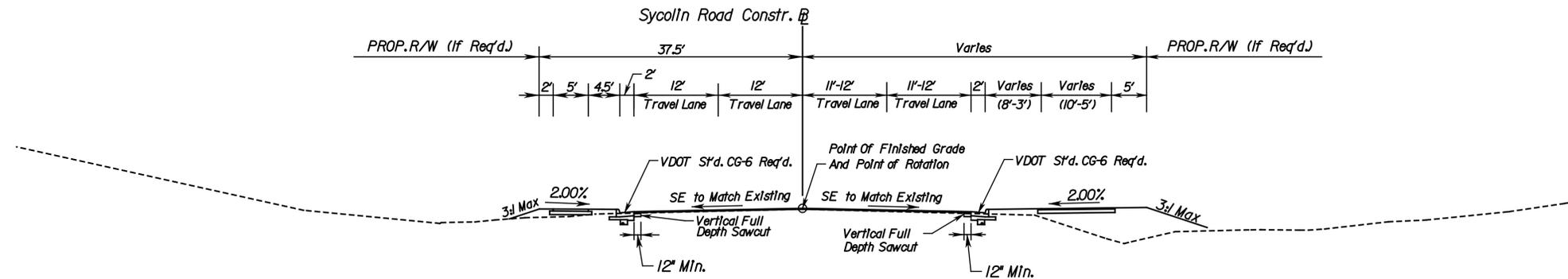
PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
 SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY: ROBERT G. REED, P.E. (703) 352-7188  
 DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

# TYPICAL SECTIONS

|   |       |   |                               |           |
|---|-------|---|-------------------------------|-----------|
| REVISED   | STATE | ROUTE   | STATE PROJECT                 | SHEET NO. |
|   | VA.   |   | 6007-053-S96, RW-201<br>C-501 | 2B(4)     |
| 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) |                               |           |



Sycolln Road  
 Sta 123+48.00 to Sta 129+00.00  
 N.T.S.



NOTE : Full Depth Pavement From Sta 129+00.00 To Sta 130+00.00  
 1/2" Pavement Planing and 1/2" Overlay From Sta. 130+00.00 To Sta. 131+25.00

Sycolln Road  
 Sta 129+00.00 to Sta 131+25.00  
 N.T.S.

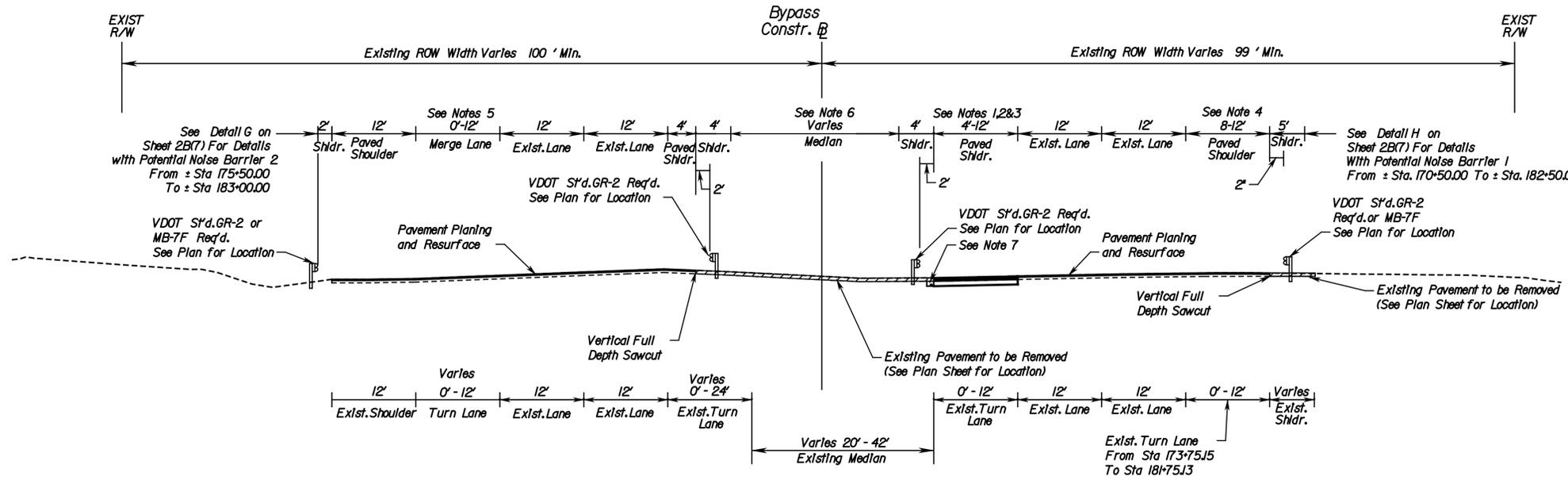
PRELIMINARY

RFP PLANS  
 For Information  
 Only  
 DATE: JULY 2012

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
 SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY: BOBBE L. REED, P.E. (703) 352-7188  
 DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

# TYPICAL SECTIONS

|   |       |   |                               |           |
|---|-------|---|-------------------------------|-----------|
| REVISED   | STATE | ROUTE   | STATE PROJECT                 | SHEET NO. |
|   | VA.   |   | 6007-053-S96, RW-201<br>C-501 | 2B(5)     |
| 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) |                               |           |



- Notes :
1. Paved Shoulder width varies from 4 Ft at Sta 181+50.06 to 12 Ft at Sta 183+00.00.
  2. Paved shoulder varies from 12 ft at Sta.185+00.00 to 4 ft at Sta 185+57.86
  3. Remove and replace existing pavement from Sta 182+95.39 to Sta 188+45.49 and provide 5% cross slope.
  4. Paved Shoulder width varies from 12 Ft at Sta 182+92.94 to 11 Ft at Sta 183+10.19
  5. Merge lane varies From Sta 185+53.26 to Sta 188+58.44
  6. For median grading, Remove existing pavement and replace with topsoil, seed/mulch as shown on the cross sections.
  7. Modified UD-1 shall be provided in lieu of standard UD-4 edgedrain for pavement sub-drainage in areas of high groundwater, springs or deep (>15') cuts; the modification consist of wrapping the aggregate with geotextile drainage fabric.

TYPICAL SECTION ALONG RTE 7/15 BYPASS  
 Sta 169+75.00 to Sta 183+00.00  
 Sta 185+69.38 to Sta 188+85.90  
 N.T.S.

PRELIMINARY  
 RFP PLANS  
 For Information  
 Only  
 DATE: JULY 2012

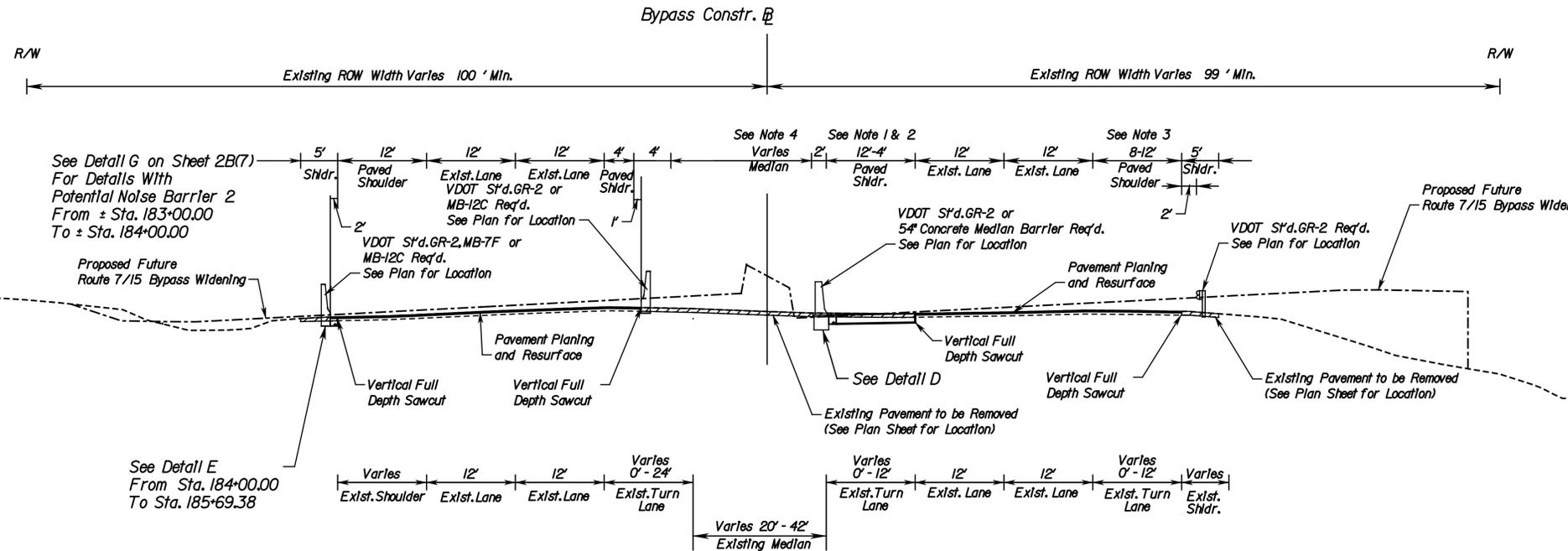
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|--------------|-----------|
| PROJECT      | SHEET NO. |
| 6007-053-S96 | 2B(5)     |

Friday, July 20, 2012 1:33:45 PM

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
 SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY: ROBERT G. REED, P.E. (703) 352-7188  
 DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

# TYPICAL SECTIONS

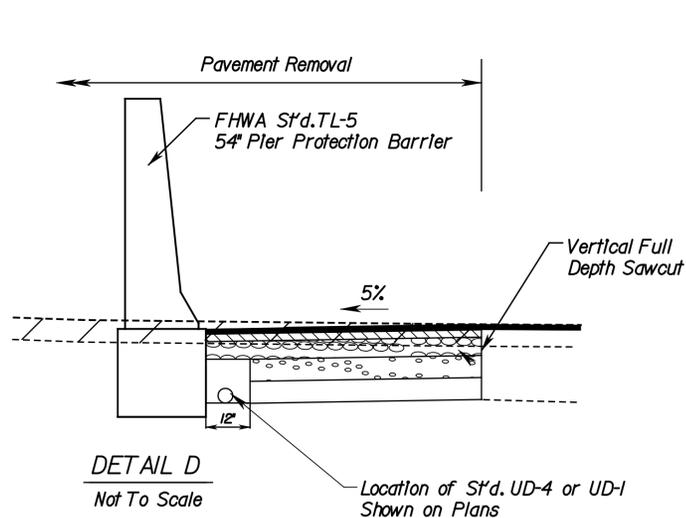
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| REVISED   | STATE | ROUTE   | STATE PROJECT                 | SHEET NO. |
|   | VA.   |   | 6007-053-S96, RW-201<br>C-501 |           |
| DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT |       |   |                               |           |
| VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)   |       | VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE) |                               |           |



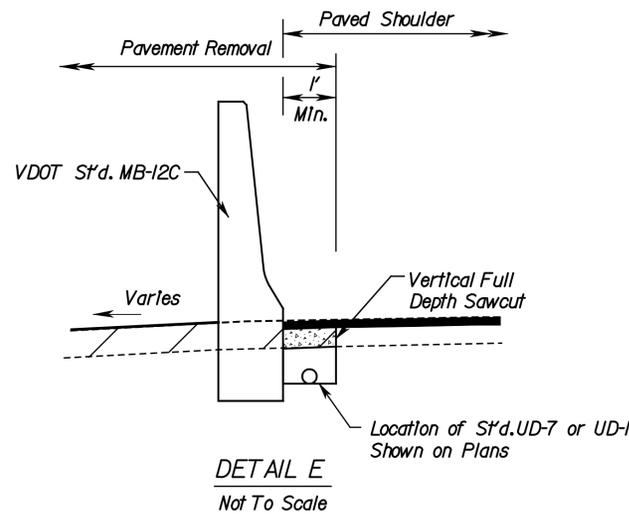
- Notes :
1. Paved Shoulder width varies from 12 Ft to 4 Ft at Sta 184+79.28 to Sta 185+64.35
  2. Remove and replace existing pavement from Sta 182+95.39 to Sta 188+45.49, provide 5% cross slope.
  3. Paved shoulder varies from Sta 183+00.00 to Sta 185+69.38
  4. For median grading remove existing pavement and regrade as shown on the cross sections.

TYPICAL SECTION ALONG RTE 7/15 BYPASS  
 Sta 183+00.00 to Sta 185+69.38

Not To Scale



DETAIL D  
 Not To Scale



DETAIL E  
 Not To Scale

PRELIMINARY

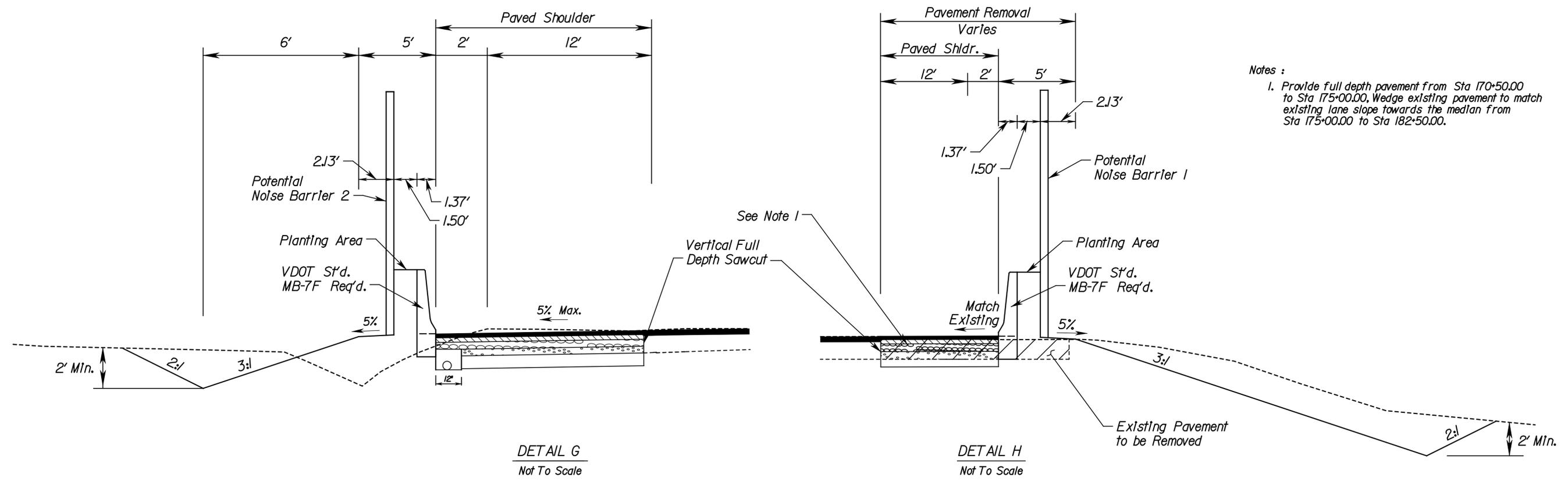
RFP PLANS  
 For Information  
 Only

DATE: JULY 2012

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
 SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY: ROBERT G. REED, P.E. (703) 352-7188  
 DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

# TYPICAL SECTIONS

| REVISED   | STATE | ROUTE   | STATE                         | SHEET NO. |
|---|-------|---|-------------------------------|-----------|
|   |       |   | PROJECT                       |           |
|   | VA.   |   | 6007-053-S96, RW-201<br>C-501 | 2B(7)     |
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| VDOT (Division) or Co. Name<br>(Location), Virginia<br>(TECHNICAL DISCIPLINE)   |       | VDOT (Division) or Co. Name<br>(Location), Virginia<br>(TECHNICAL DISCIPLINE) |                               |           |

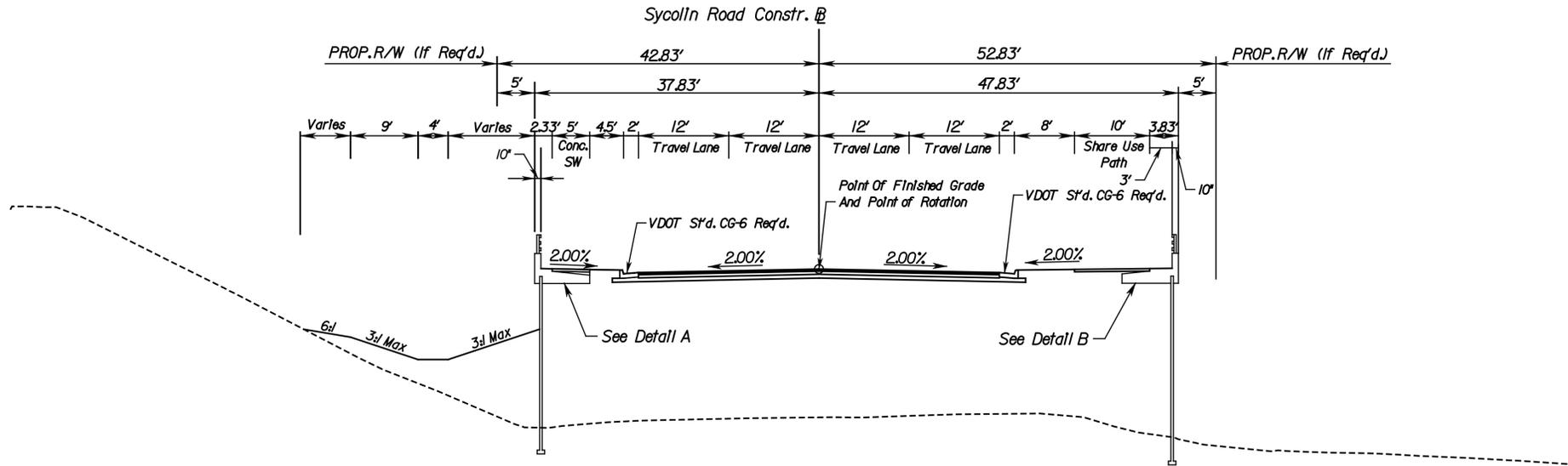


**PRELIMINARY**  
**RFP PLANS**  
**For Information**  
**Only**  
**DATE: JULY 2012**

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# RETAINING WALL DETAILS

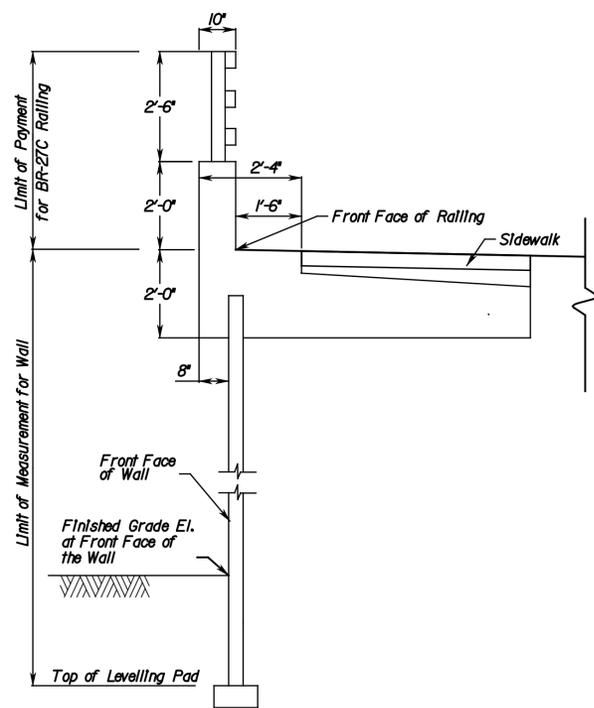
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| REVISED   | STATE | ROUTE   | STATE PROJECT                 | SHEET NO. |
|   | VA.   |   | 6007-053-S96, RW-201<br>C-501 | 2D(1)     |
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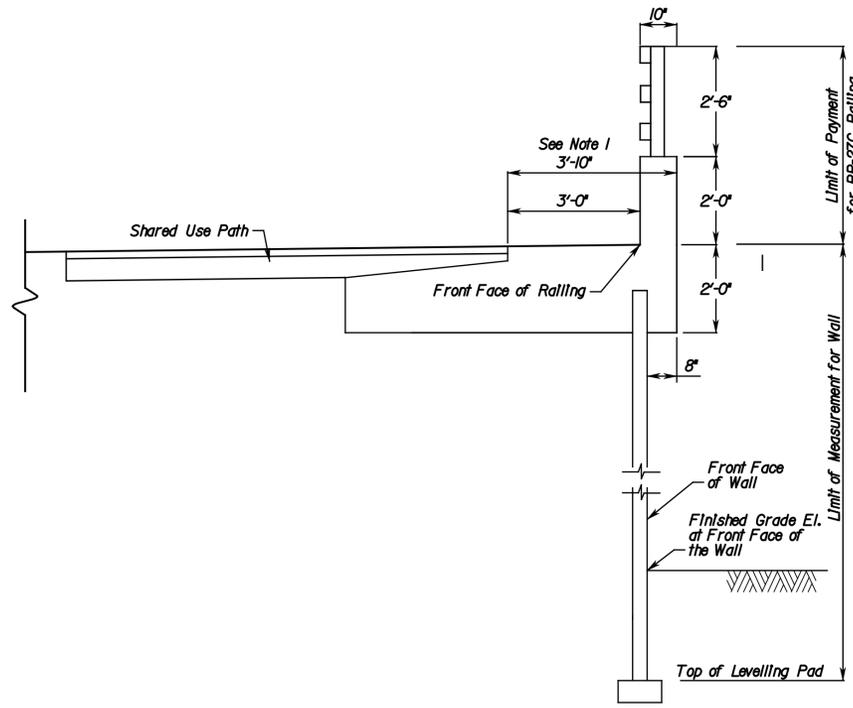
SYCOLIN ROAD TYPICAL SECTION WITH WALL

**NOTES :**

- The width of the moment slab transition from 3'-0" to 1'-6".



DETAIL A FOR SIDEWALK



DETAIL B FOR SHARED USE PATH

TYPICAL CONCRETE COPING WITH BR-27C RAILING SCHEMATIC DETAIL

PRELIMINARY

RFP PLANS  
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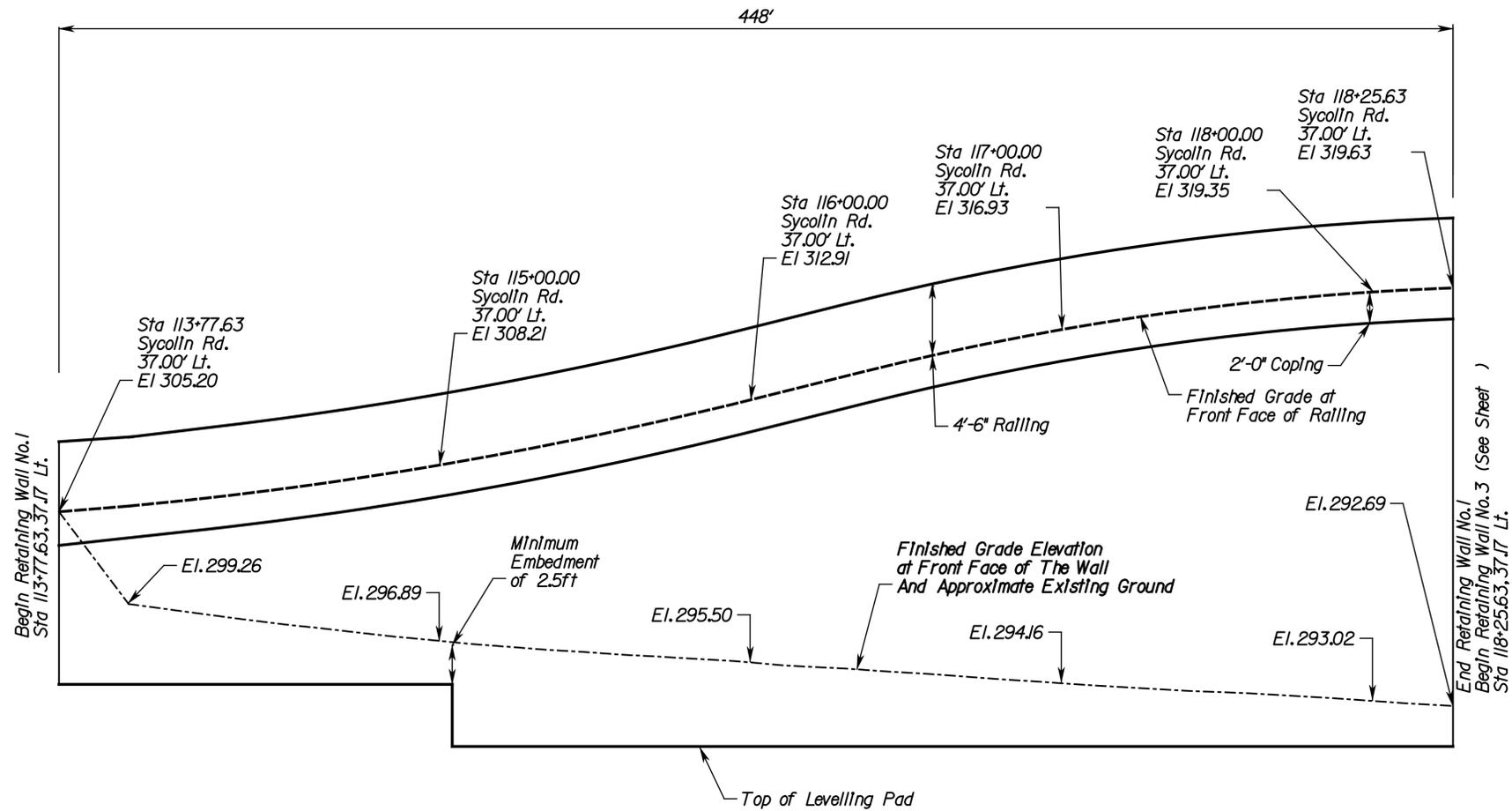
DATE: JULY 2012

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| PROJECT      | SHEET NO. |
| 6007-053-S96 | 2D(1)     |

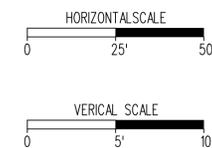
PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
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# RETAINING WALL

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



PROPOSED RETAINING WALL NO.1 ELEVATION



PRELIMINARY

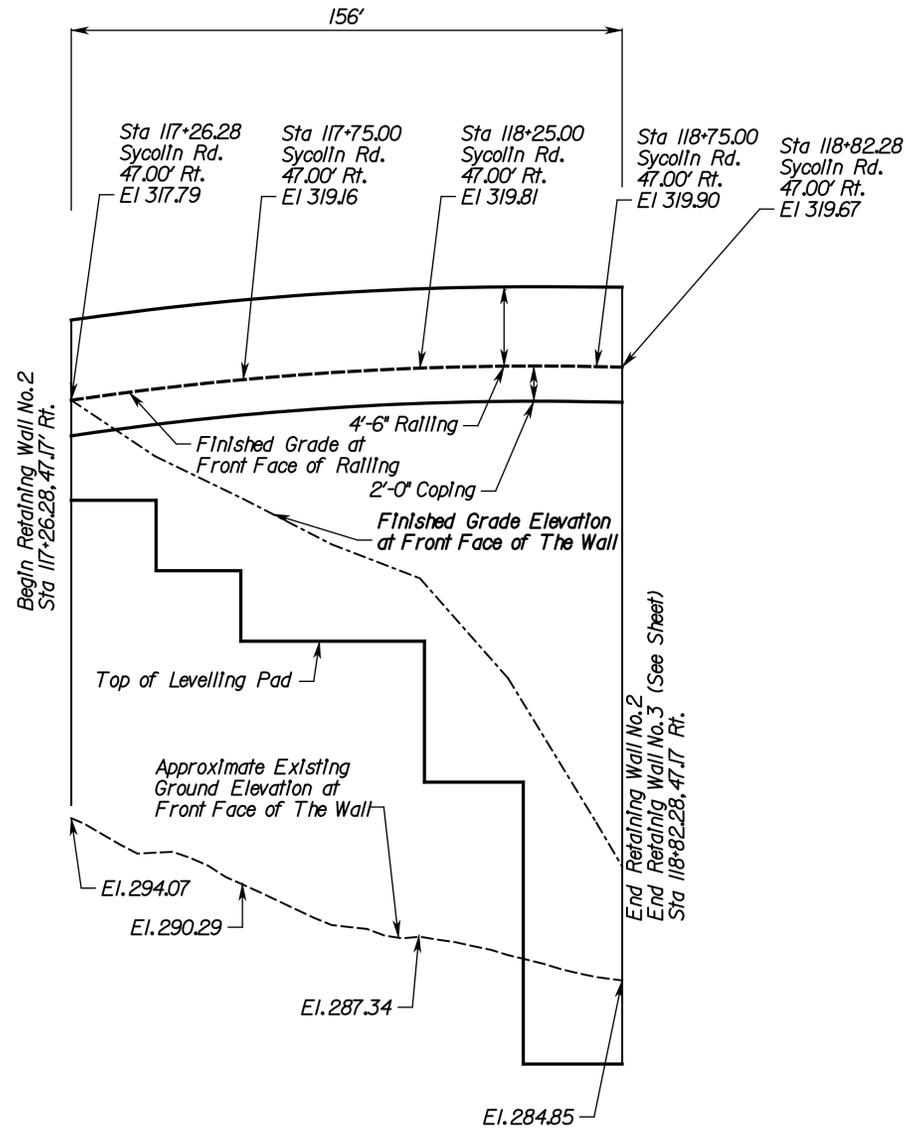
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DATE: JULY 2012

PROJECT: 6007-053-S96 SHEET NO.: 2D(2)

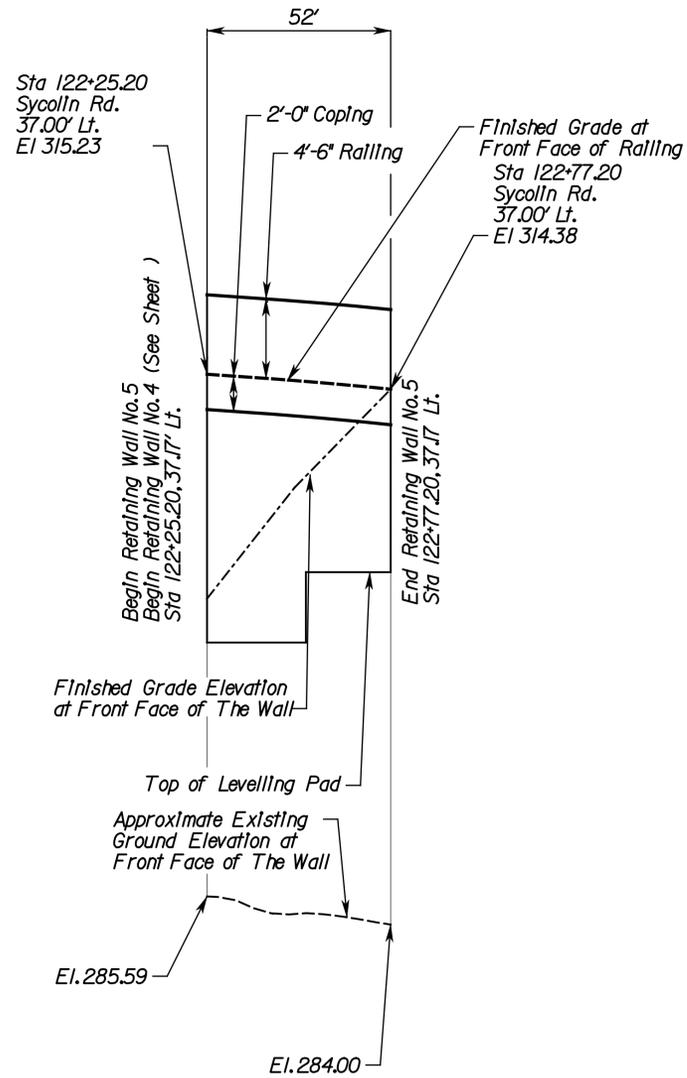
PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
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# RETAINING WALL

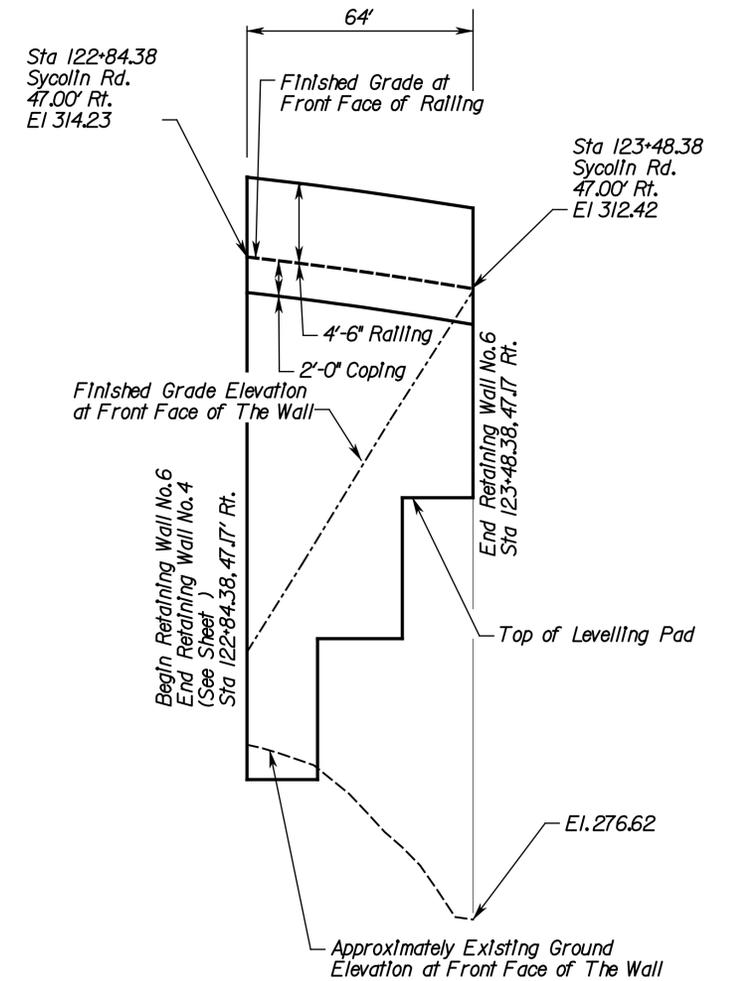
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|---|-------|-------|-------------------------------|-----------|
| REVISED   | STATE | ROUTE | STATE PROJECT                 | SHEET NO. |
|   | VA.   |       | 6007-053-S96, RW-201<br>C-501 |           |
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| VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)   |       |       |                               |           |



PROPOSED RETAINING WALL NO.2  
ELEVATION



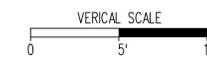
PROPOSED RETAINING WALL NO.5  
ELEVATION



PROPOSED RETAINING WALL NO.6  
ELEVATION

PRELIMINARY

RFP PLANS  
For Information  
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DATE: JULY 2012



PROJECT  
6007-053-S96

SHEET NO.  
2D(3)

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
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| REVISED | STATE |       | PROJECT                       | SHEET NO. |
|---------|-------|-------|-------------------------------|-----------|
|         | STATE | ROUTE |                               |           |
|         | VA.   |       | 6007-053-S96, RW-201<br>C-501 | 2F(1)     |

## STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET

The SWPPP General Information sheets are to be completed and included in the construction plan set (or other such documents) for land disturbance activities that disturb an area equal to or greater than 10,000 square feet, or equal to or greater than 2,500 square feet in the area defined as Tidewater, Virginia in the Virginia Chesapeake Bay Preservation Act.

✱ Denotes information that is to be provided/completed by the contractor or the VDOT RLD, as appropriate.

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

### SECTION I GENERAL INFORMATION

- Activity Description - (The project consists bridge over the 7-15 Bypass, road, concrete sidewalk, shared use path and curb and gutter construction from Hope Parkway to Gateway Drive)
- This land disturbance activity site is located in (Prince William County) and approximately (6.6) acres will be disturbed by excavation, grading or other construction activities. (Note: The disturbed area includes an estimate for any anticipated offsite support facilities, i.e., borrow sites, disposal areas, storage areas, etc.)
- This land disturbance activity requires coverage under the VSMP General Permit For Discharges Of Stormwater From Construction Activities as issued by the DCR.
- The erosion and sediment control (ESC) and stormwater management (SWM) plans for this land disturbance activity have been developed in accordance with VDOT's Erosion and Sediment Control and Stormwater Management Standards and Specifications as approved annually by the Department of Conservation and Recreation.
- Mr. XXX XXX is designated as the RLD for this land disturbance activity.
- Critical areas (e.g., wetlands, surface water bodies, etc) adjacent to this land disturbance activity site and not otherwise identified in the construction plan set (or other such documents) are as follows: None
- Stormwater run-off from the disturbed areas of this land disturbance activity will flow into Tuscarora creek a watershed of Potomac River.

- Locations where stabilization practices are expected to occur are identified in the construction plan set (or other such documents) for this land disturbance activity.
- A description of interim and permanent stabilization practices for the site are identified in the applicable sections of the documents identified in the Note 1 of Section III.
- ✱ 8. A record of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated will be maintained in the SWPPP documents for this land disturbance activity.
- A description of structural practices to divert flows from exposed soils, retain/detain flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the construction site are identified in the applicable sections of the documents identified in Note 1 of Section III.
- A description and schedule of procedures to maintain vegetation, erosion and sediment control measures and other protective measures in good and effective operating conditions during construction are identified in Sections 107.16 and 303.03 of the VDOT R&B Specifications.
- All engineering calculations supporting the design of erosion and sediment control measures are contained in the project drainage file located in the VDOT NOVA District Hydraulics Section or the VDOT Manassas Residency Office and will be made available for review upon request during normal working business hours.

8. Locations where stormwater discharges from this land disturbance activity site to a surface water are identified in the construction plan set (or other such documents).

12. The temporary erosion and siltation control items shown on the Erosion and Sediment Control (ESC) Plan for this project are intended to provide a general plan for controlling erosion and sediment within the project limits. The ESC Plan is based on field conditions at the time of plan development and an assumed sequence of construction for the project. The contractor, in conjunction with the VDOT Project Engineer and/or ESC Inspector, shall adjust the location, quantity and type of erosion and sediment control items required based on the actual field conditions encountered at the time of construction and the actual scheduling and sequencing of the construction activities. Significant changes to the proposed ESC Plan (e.g., those that require an engineering analysis) shall be submitted to the applicable District Hydraulics Engineer for review and approval. Any changes to the proposed ESC Plan must be noted on a designated plan set (Record Set) which shall be retained on the project site and made available upon request during normal working business hours.

### SECTION II EROSION AND SEDIMENT CONTROL

- The following variances to the Virginia ESC Regulations have been approved by DCR for this land disturbance activity: (list all approved variances; include a brief description of the variance, the date approved and the approving DCR Office)
- ✱ 2. The intended sequence and timing of activities that disturb soils at the site (e.g., grubbing, excavation, grading, utilities and infrastructure installation, etc.) shall be provided by the contractor in accordance with Section 108.03 of the VDOT R&B Specifications and will be included with the other SWPPP documents for this land disturbance activity.
- Directions of stormwater flow and approximate slopes anticipated after major grading activities are identified in the construction plan set (or other such documents) for this land disturbance activity.
- Areas of soil disturbance and areas of the site which will not be disturbed are identified in the construction plan set (or other such documents) for this land disturbance activity.
- Locations of major structural and nonstructural ESC measures identified in the SWPPP, including those that will be permanent controls that will remain after construction activities have been completed, are identified in the construction plan set (or other such documents) for this land disturbance activity.

- The areas beyond the project's construction area are to be protected from siltation. Perimeter controls such as filter barrier, silt fence, diversion dikes, turbidity curtains, etc. shall be installed prior to any grubbing operations or other earth moving activities.
- Temporary earthen structures such as dikes and berms are to be stabilized immediately upon installation. Stabilization may include temporary or permanent seeding, riprap, aggregate, sod, mulching, and/or soil stabilization blankets and matting in conjunction with seeding.
- All channel relocations are to be constructed during the earliest stage of construction and shall be constructed in accordance with all applicable permit requirements and shall be constructed in the dry wherever possible. Stabilization or vegetation shall be established before flow is redirected through the constructed area as directed by the Engineer.

#### ACRONYMS

DCR - Department of Conservation and Recreation  
 ESC - Erosion and Sediment Control  
 R&B - Road and Bridge  
 RLD - Responsible Land Disturber  
 SWM - Stormwater Management  
 SWPPP - Stormwater Pollution Prevention Plan  
 VSMP - Virginia Stormwater Management Program

**PRELIMINARY**

**RFP PLANS  
 For Information  
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| PROJECT      | SHEET NO. |
| 6007-053-S96 | 2F(1)     |

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## STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET

The SWPPP General Information sheets are to be completed and included in the construction plan set (or other such documents) for land disturbance activities that disturb an area equal to or greater than 10,000 square feet, or equal to or greater than 2,500 square feet in the area defined as Tidewater, Virginia in the Virginia Chesapeake Bay Preservation Act.

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| REVISED | STATE |  | ROUTE | STATE PROJECT                 | SHEET NO. |
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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

### SECTION III SWPPP

1. All documents related to the SWPPP for this land disturbance activity shall be maintained at the activity site and shall be readily available for review upon request during normal working business hours. Such documents include, but are not limited to, the construction plans (or other such documents), the ESC Plan, the post construction SWM Plan (if applicable), the VDOT R&B Standards and Specifications, Supplemental Specifications, Special Provisions and Special Provision Copied Notes. Documents related to stormwater pollution prevention which are not a part of those documents referenced above, such as a copies of the VSMP Construction Permit coverage letter (when applicable), the DCR General Permit For Discharges Of Stormwater From Construction Activities (when applicable) and those required to be developed by the contractor for stormwater pollution prevention associated with any support facilities for this land disturbance activity are to be maintained at the activity site with the other SWPPP documents. Where no facilities are available at the activity site to maintain the SWPPP documents, they are to be kept by or with the designated RLD at a location convenient to the activity site where they would be made available for review upon request during normal business working hours.
2. Other than construction at the activity site, there are no discharges associated with industrial activity (e.g., from dedicated asphalt plants or dedicated concrete plants) produced by this land disturbance activity or (where applicable) covered by the VSMP General Permit For Discharges Of Stormwater From Construction Activities for this land disturbance activity.
- \* 3. Documents identifying the locations of off-site waste or borrow areas or material or equipment storage areas associated with or (where applicable) covered by the VSMP General Permit For Discharges Of Stormwater From Construction Activities for this land disturbance activity shall be provided by the contractor in accordance with Section 107.16, of the VDOT R&B Specifications and will be maintained with the other SWPPP documents for this land disturbance activity.
- \* 4. A description of all pollution control measures that will be implemented as a part of this construction activity to control pollutants in stormwater discharges are identified and described in the contractor supplied documents, the construction plan set (or other such documents) and applicable sections of the VDOT R&B Specifications and Standards, including but not limited to, Specifications 107.16, 303.03, 603, 604 and 606 and Standards 113.01 through 114.08. The name of the individual(s) or contractor(s) responsible for the installation and maintenance of the pollution control measures is included in the contractor supplied documents.
5. Requirements for the prevention of the discharge of solid materials, including building materials, garbage, and debris, to surface waters of the state, except as authorized by a Clean Water Act 404 permit, are contained in Sections 106.04, 107.02 and 107.16 of the VDOT R&B Specifications.
6. Requirements for compliance with applicable state or local waste disposal, sanitary sewer or septic system regulations are contained in Sections 106.04 and 107.18 of the VDOT R&B Specifications.
- \* 7. A description of construction and waste materials expected to be stored on-site or at off-site support facilities and a description of controls to reduce pollutants from these materials, including storage practices to minimize exposure of the materials to stormwater and practices for spill prevention and response, will be contained in documents supplied by the contractor and maintained with the other SWPPP documents for this land disturbance activity.
- \* 8. A description of potential pollutant sources from off site support areas and a description of controls and measures that will be implemented at those sites to minimize pollutant discharges will be contained in documents supplied by the contractor and maintained with the other SWPPP documents for this land disturbance activity.
- \* 9. By completing and submitting the SWPPP Certification form LD-445E, the RLD, or his authorized representative, certifies that all contractor supplied documents, identified herein, will be reviewed, approved and included with the other SWPPP documents for this land disturbance activity prior to implementation of work in those areas identified by such information.
- \* 10. The name of the VDOT individual responsible for the inspection of the erosion and sediment control measures is identified on the LD-445E form which will be maintained with the other SWPPP documents for this land disturbance activity (Note: Individual shall be certified through the DCR ESC Inspector Certification Program).

11. For those land disturbing activities requiring coverage under the VSMP General Permit For The Discharge Of Stormwater From Construction Activities, the SWPPP shall be made available for review upon the request of the DCR, the EPA, local government officials or the operator of a municipal separate storm sewer system (MS4) receiving discharge from the construction site.
- \* 12. For those land disturbing activities requiring coverage under the VSMP General Permit For The Discharge Of Stormwater From Construction Activities, the VDOT RLD shall post, or have posted, a copy of the General Permit coverage letter and a copy of a completed LD-445A form, noting the name and contact information for the VDOT person responsible for the land disturbing activity and its SWPPP, outside the project's construction office along with other Federal and State mandated information. Where there is no construction office (e.g., a maintenance activity), the permit coverage letter and the LD-445A form are to be maintained with the other SWPPP documents for the land disturbing activity.

### SECTION IV POST CONSTRUCTION STORMWATER MANAGEMENT

1. This land disturbance activity is not exempt from the Stormwater Management Regulations because it disturbs more than 1 acre or more than 2500 square feet in an area designated as a Chesapeake Bay Preservation Area.
2. This activity is linear in nature and the following stormwater outfall locations are not exempt from the requirements of the Virginia Stormwater Management Law because all of the following conditions are not met. (Tuscarora Creek a watershed of Potomac River.)
  - a. the land disturbance created by this activity at Outfall "6" is (0.5 AC), Outfall "7" (3.8 AC), Outfall "8" (2.3 AC) more than one acre and,
  - b. there are insignificant increases in peak flow rates (XXX cfs) at outfall and ,
  - c. there is some existing or anticipated flooding or erosion problems downstream of the discharge point of any outfalls.
3. The following outfalls (Outfall "6" and "7") do not require a permanent SWM facility because, as a result of this land disturbance activity, the amount of additional impervious area draining to the outfall is less than 16% of the total right of way and permanent easement area draining to the outfall. (Tuscarora Creek a watershed of Potomac River).
4. For stormwater outfall locations not covered by Notes 2 and 3 of this Section, list the permanent SWM facilities proposed to meet the water quality/quantity requirements for this land disturbance activity. (None)
5. All engineering calculations supporting the design of the post-construction stormwater management measures, including an explanation of the technical basis used to select the practices, are contained in the project drainage file located in the VDOT NOVA District Hydraulic Section and will be made available for review upon the request during normal working business hour.

ACRONYMS

- DCR - Department of Conservation and Recreation
- ESC - Erosion and Sediment Control
- R&B - Road and Bridge
- RLD - Responsible Land Disturber
- SWM - Stormwater Management
- SWPPP - Stormwater Pollution Prevention Plan
- VSM - Virginia Stormwater Management Program

PRELIMINARY

**RFP PLANS  
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**DATE: JULY 2012**

|  |              |                               |       |                               |           |
|--|--------------|-------------------------------|-------|-------------------------------|-----------|
|  | PROJECT      | STATE PROJECT                 | ROUTE | STATE PROJECT                 | SHEET NO. |
|  | 6007-053-S96 | 6007-053-S96, RW-201<br>C-501 |       | 6007-053-S96, RW-201<br>C-501 | 2F(2)     |

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### STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET

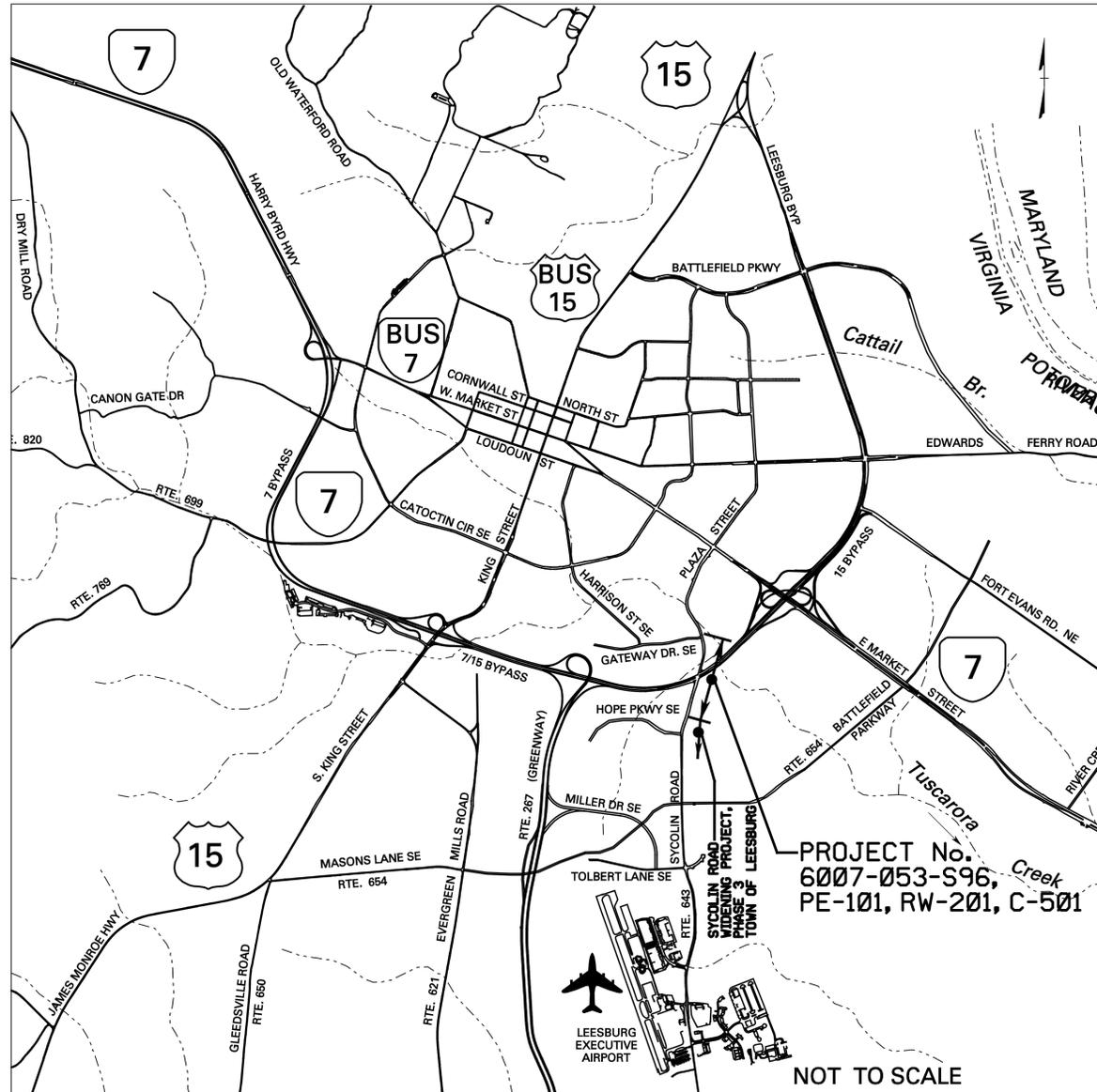
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#### SECTION V - LOCATION MAP



#### SECTION VI - PERMANENT BMP INFORMATION <sup>△</sup>

| Permanent BMP Type<br>(See Table 1)<br>(1) | Regional BMP<br>Y(Yes) or N (No) | County/City<br>(1) | State Hydrologic<br>Unit Code<br>(1) | BMP Receiving Stream Name<br>(1) (2) | Acres Treated<br>per<br>BMP<br>(3) | *<br>In Service<br>Date<br>(4) |
|--|----------------------------------|--------------------|--------------------------------------|--------------------------------------|------------------------------------|--------------------------------|
| LID Inlet                                  |                                  | Loudoun County     | 02070010                             | Tuscarora Creek                      | *TBD                               | *TBD                           |
|  |                                  |                    |                                      |                                      |                                    |                                |
|  |                                  |                    |                                      |                                      |                                    |                                |
|  |                                  |                    |                                      |                                      |                                    |                                |
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|  |                                  |                    |                                      |                                      |                                    |                                |
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|  |                                  |                    |                                      |                                      |                                    |                                |
|  |                                  |                    |                                      |                                      |                                    |                                |

\*TBD- To Be Determined

Table 1: Permanent BMP Types

- Bio-retention Basin
- Bio-retention Filter
- Constructed Stormwater Wetlands
- Extended Detention Basin
- Extended Detention Basin-Enhanced
- Grassed Swale
- Infiltration Basin
- Infiltration Trench
- Manufactured BMP's
- Retention Basin I
- Retention Basin II
- Retention Basin III
- Sand Filter
- Vegetated Filter Strip
- Other (List type) (5)

Notes:

- (1) Where stormwater management requirements are being met by a Regional BMP, information listed is to be for the Regional BMP.
- (2) For streams with no names, list "Unnamed Tributary to (closest stream name)".
- (3) Show acres to the nearest one tenth.
- (4) Date placed into service as a permanent BMP.
- (5) Includes agreements with off-site BMP owners or payments into a DCR approved County/City Watershed Stormwater Management Plan (fund).

△ The information shown in the BMP table is based on the proposed pre-construction SWM Plan. Any changes to the proposed SWM Plan required during the construction phase of the project shall be coordinated by the VDOT RLD with the appropriate VDOT District Hydraulics Engineer. The RLD is to have the information shown in the BMP table revised to reflect any authorized changes to the proposed SWM Plan, add the \*In Service Date\* and include a copy of the BMP table with the LD-445D form when submitting for termination of coverage under the VSMP General Permit For The Discharge Of Stormwater From Construction Activities.

ACRONYMS

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- SWM - Stormwater Management
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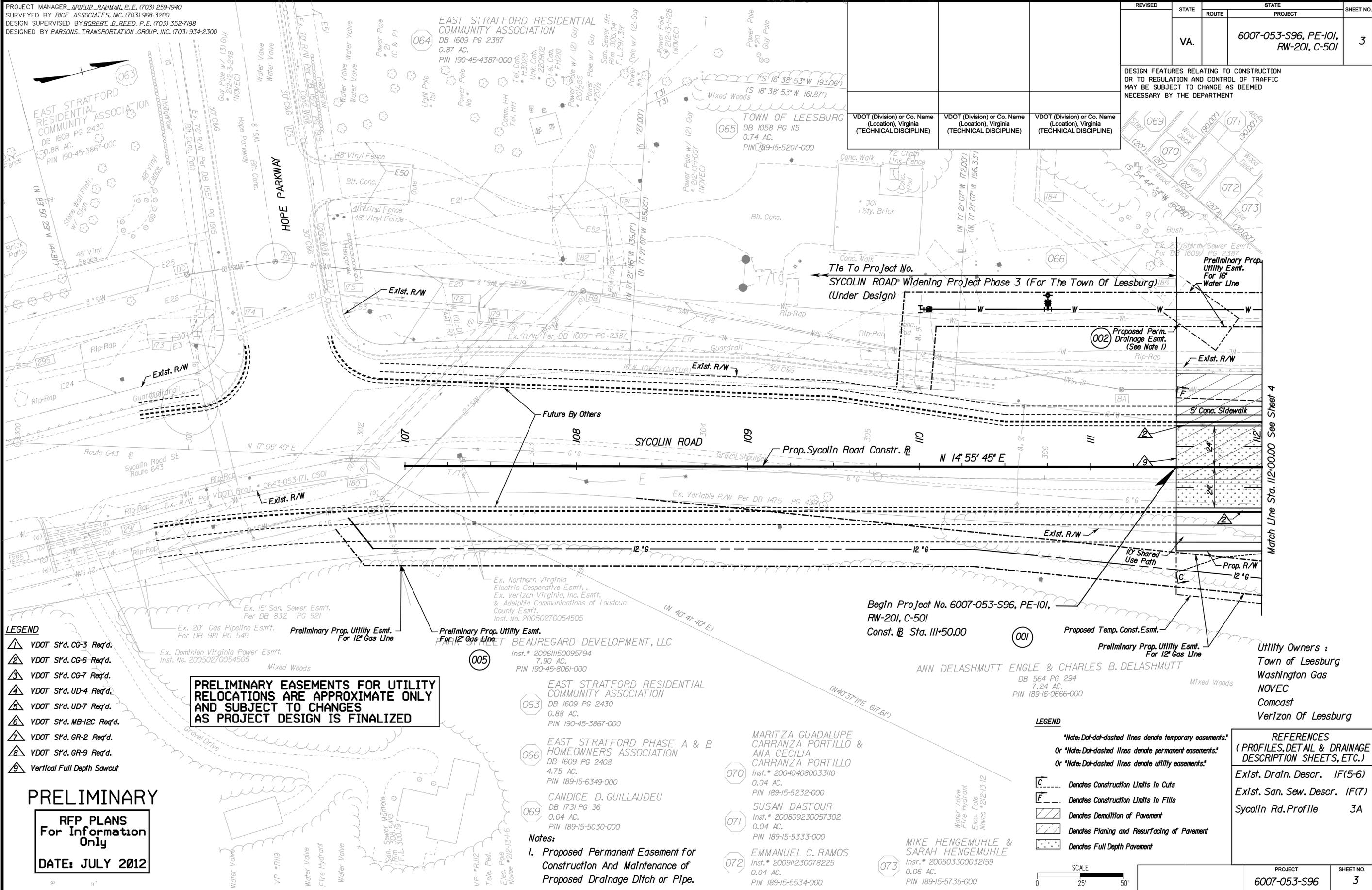
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| REVISED | STATE | ROUTE | PROJECT                                | SHEET NO. |
|---------|-------|-------|--|-----------|
|         | VA.   |       | 6007-053-S96, PE-101,<br>RW-201, C-501 | 3         |

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

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



- LEGEND**
- ▲ VDOT Sp'd. CG-3 Req'd.
  - ▲ VDOT Sp'd. CG-6 Req'd.
  - ▲ VDOT Sp'd. CG-7 Req'd.
  - ▲ VDOT Sp'd. UD-4 Req'd.
  - ▲ VDOT Sp'd. UD-7 Req'd.
  - ▲ VDOT Sp'd. MB-12C Req'd.
  - ▲ VDOT Sp'd. GR-2 Req'd.
  - ▲ VDOT Sp'd. GR-9 Req'd.
  - ▲ Vertical Full Depth Sawcut

**PRELIMINARY EASEMENTS FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGES AS PROJECT DESIGN IS FINALIZED**

**PRELIMINARY**  
**RFP PLANS**  
**For Information**  
**Only**  
**DATE: JULY 2012**

**LEGEND**

- ▬ Denotes Construction Limits In Cuts
- ▬ Denotes Construction Limits In Fills
- ▬ Denotes Demolition of Pavement
- ▬ Denotes Planing and Resurfacing of Pavement
- ▬ Denotes Full Depth Pavement

**BEAUREGARD DEVELOPMENT, LLC**  
Inst. # 200611150095794  
7.90 AC.  
PIN 190-45-8061-000

**EAST STRATFORD RESIDENTIAL COMMUNITY ASSOCIATION**  
DB 1609 PG 2430  
0.88 AC.  
PIN 190-45-3867-000

**EAST STRATFORD PHASE A & B HOMEOWNERS ASSOCIATION**  
DB 1609 PG 2408  
4.75 AC.  
PIN 189-15-6349-000

**CANDICE D. GUILLAUDEU**  
DB 1731 PG 36  
0.04 AC.  
PIN 189-15-5030-000

**Notes:**  
1. Proposed Permanent Easement for Construction And Maintenance of Proposed Drainage Ditch or Pipe.

**MARITZA GUADALUPE CARRANZA PORTILLO & ANA CECILIA CARRANZA PORTILLO**  
Inst. # 200404080033110  
0.04 AC.  
PIN 189-15-5232-000

**SUSAN DASTOUR**  
Inst. # 200809230057302  
0.04 AC.  
PIN 189-15-5333-000

**EMMANUEL C. RAMOS**  
Inst. # 200911230078225  
0.04 AC.  
PIN 189-15-5534-000

**MIKE HENGEMUHLE & SARAH HENGEMUHLE**  
Inst. # 200503300032159  
0.06 AC.  
PIN 189-15-5735-000

**LEGEND**

- \*Note: Dot-dot-dashed lines denote temporary easements.\*
- Or \*Note: Dot-dashed lines denote permanent easements.\*
- Or \*Note: Dot-dashed lines denote utility easements.\*

**LEGEND**

- ▬ Denotes Construction Limits In Cuts
- ▬ Denotes Construction Limits In Fills
- ▬ Denotes Demolition of Pavement
- ▬ Denotes Planing and Resurfacing of Pavement
- ▬ Denotes Full Depth Pavement



**UTILITY OWNERS :**  
Town of Leesburg  
Washington Gas  
NOVEC  
Comcast  
Verizon Of Leesburg

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

Ex'ist. Drain. Descr. IF(5-6)  
Ex'ist. San. Sew. Descr. IF(7)  
Sycolin Rd. Profile 3A

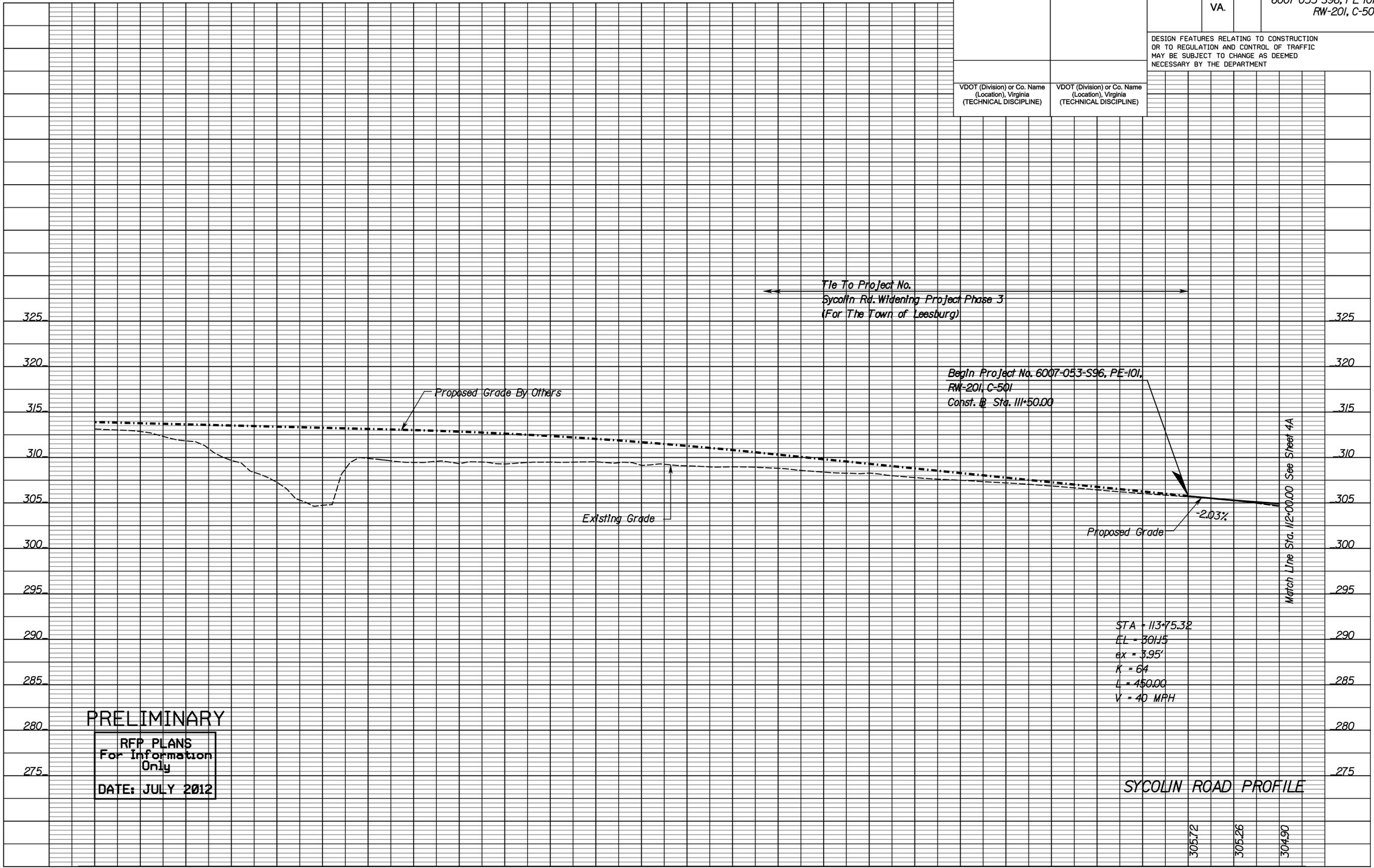
| PROJECT      | SHEET NO. |
|--------------|-----------|
| 6007-053-S96 | 3         |

Friday, July 20, 2012 14:00:00 PM

Match Line Sta. 112+00.00 See Sheet 4

PROJECT MANAGER: **RIEUN, BAHMAN, P.E.** (703) 259-1940  
 SURVEYED BY: **RICE ASSOCIATES, INC.** (703) 968-3200  
 DESIGN SUPERVISED BY: **ROBERT G. REED, P.E.** (703) 352-7188  
 DESIGNED BY: **PARSONS TRANSPORTATION GROUP, INC.** (703) 934-2300

|   |       |   |           |
|---|-------|---|-----------|
| REVISED   | STATE | STATE   | SHEET NO. |
|   | ROUTE | PROJECT   |           |
|   | VA.   | 6007-053-S96, PE-101,<br>RW-201, C-501                                  | 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)   |       | VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE) |           |



**PRELIMINARY**  
 RFP PLANS  
 For Information  
 Only  
 DATE: JULY 2012

STA = 113+75.32  
 EL = 301.15  
 ex = 3.95'  
 K = 64  
 L = 450.00  
 V = 40 MPH

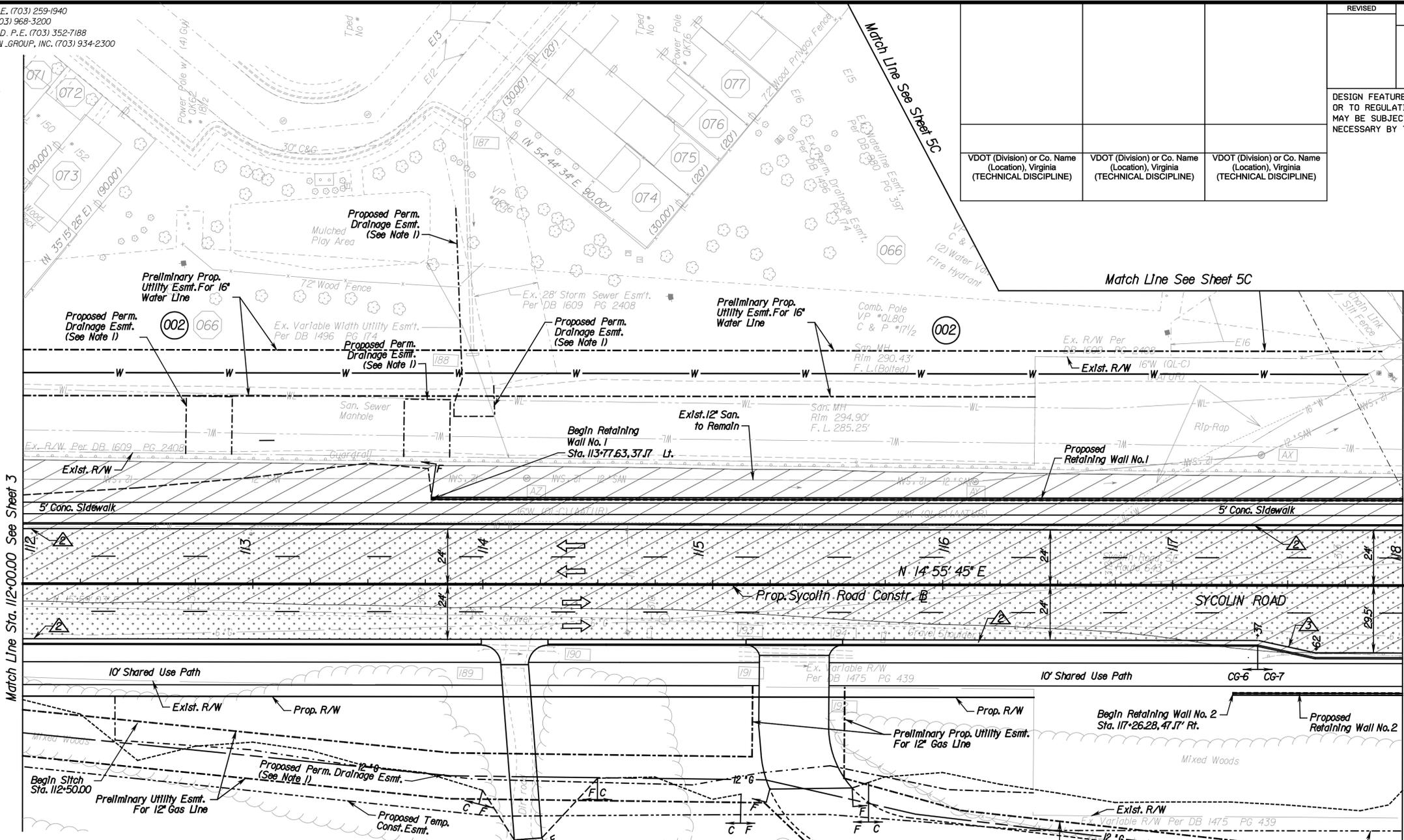
**SYCOLIN ROAD PROFILE**

305.72  
 305.26  
 304.90

|              |           |
|--------------|-----------|
| PROJECT      | SHEET NO. |
| 6007-053-S96 | 3A        |

Friday, July 20, 2012 1:40:54 PM

PROJECT MANAGER: ARIFUJ RAHMAN, P.E. (703) 259-1940  
SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
DESIGN SUPERVISED BY: ROBERT G. REED, P.E. (703) 352-7188  
DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300



- LEGEND**
- ▲ VDOT S'd. CG-3 Req'd.
  - ▲ VDOT S'd. CG-6 Req'd.
  - ▲ VDOT S'd. CG-7 Req'd.
  - ▲ VDOT S'd. UD-4 Req'd.
  - ▲ VDOT S'd. UD-7 Req'd.
  - ▲ VDOT S'd. MB-12C Req'd.
  - ▲ VDOT S'd. GR-2 Req'd.
  - ▲ VDOT S'd. GR-9 Req'd.
  - ▲ Vertical Full Depth Sawcut

- LEGEND**
- \*Note: Dot-dot-dashed lines denote temporary easements.\*
  - \*Note: Dot-dashed lines denote permanent easements.\*
  - \*Note: Dashed lines denote utility easements.\*
  - C --- Denotes Construction Limits In Cuts
  - F --- Denotes Construction Limits In Fills
  - ▨ Denotes Demolition of Pavement
  - ▨ Denotes Planning and Resurfacing of Pavement
  - ▨ Denotes Full Depth Pavement

- Notes:**
- Proposed Permanent Easement For Construction And Maintenance Of Proposed Drainage Structure And Proposed Drainage Ditch or Pipe.
  - Unless Otherwise Stated In The Drainage Description, All Inlets Shall Be Water Quality Inlets To Be Maintained By The Town of Leesburg.

066 EAST STRATFORD PHASE A & B HOMEOWNERS ASSOCIATION  
DB 1609 PG 2408  
4.75 AC.  
PIN 189-15-6349-000

ANN DELASHMUTT ENGLE & CHARLES B. DELASHMUTT  
DB 564 PG 294  
7.24 AC.  
PIN 189-16-0666-000

**PRELIMINARY EASEMENTS FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGES AS PROJECT DESIGN IS FINALIZED**

071 SUSAN DASTOUR  
Inst.\* 200809230057302  
0.04 AC.  
PIN 189-15-5333-000

072 EMMANUEL C. RAMOS  
Inst.\* 200911230078225  
0.04 AC.  
PIN 189-15-5534-000

073 MIKE HENGEMUHLE & SARAH HENGEMUHLE  
Inst.\* 200503300032159  
0.06 AC.  
PIN 189-15-5735-000

074 KEVIN R. WATKINS & BAMBI L. WATKINS  
DB 2252 PG 887  
0.06 AC.  
PIN 189-15-6258-000

075 JOSH KEMP & KATHRYN KEMP  
Inst.\* 200508100089571  
0.04 AC.  
PIN 189-15-6160-000

076 ABDOU MOUCHKELLY & FARAH MO  
Inst.\* 200601200006163  
0.04 AC.  
PIN 189-15-5961-000

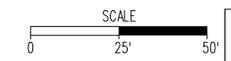
077 SAIF KHAN & TEHREEM SAIF  
DB 1891 PG 2235  
0.04 AC.  
PIN 189-15-5863-000

Utility Owners :  
Town of Leesburg  
Washington Gas  
NOVEC  
Comcast  
Verizon Of Leesburg

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

|                         |           |
|-------------------------|-----------|
| Exlst. Drain. Descr.    | IF(5-6)   |
| Exlst. San. Sew. Descr. | IF(7)     |
| Sycolin Rd. Profile     | 4A        |
| Entrance Profiles       | 8         |
| Ret. Wall Detail        | 2DX1-2DX5 |

|   |       |   |                            |   |
|---|-------|---|----------------------------|---|
| REVISED   | STATE | ROUTE   | PROJECT                    | SHEET NO.   |
|   | VA.   |   | 6007-053-S96, 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 |       |   |                            |   |
| VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)   |       | VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE) |                            | VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE) |



|              |           |
|--------------|-----------|
| PROJECT      | SHEET NO. |
| 6007-053-S96 | 4         |

Friday, July 20, 2012 14:15:39 PM

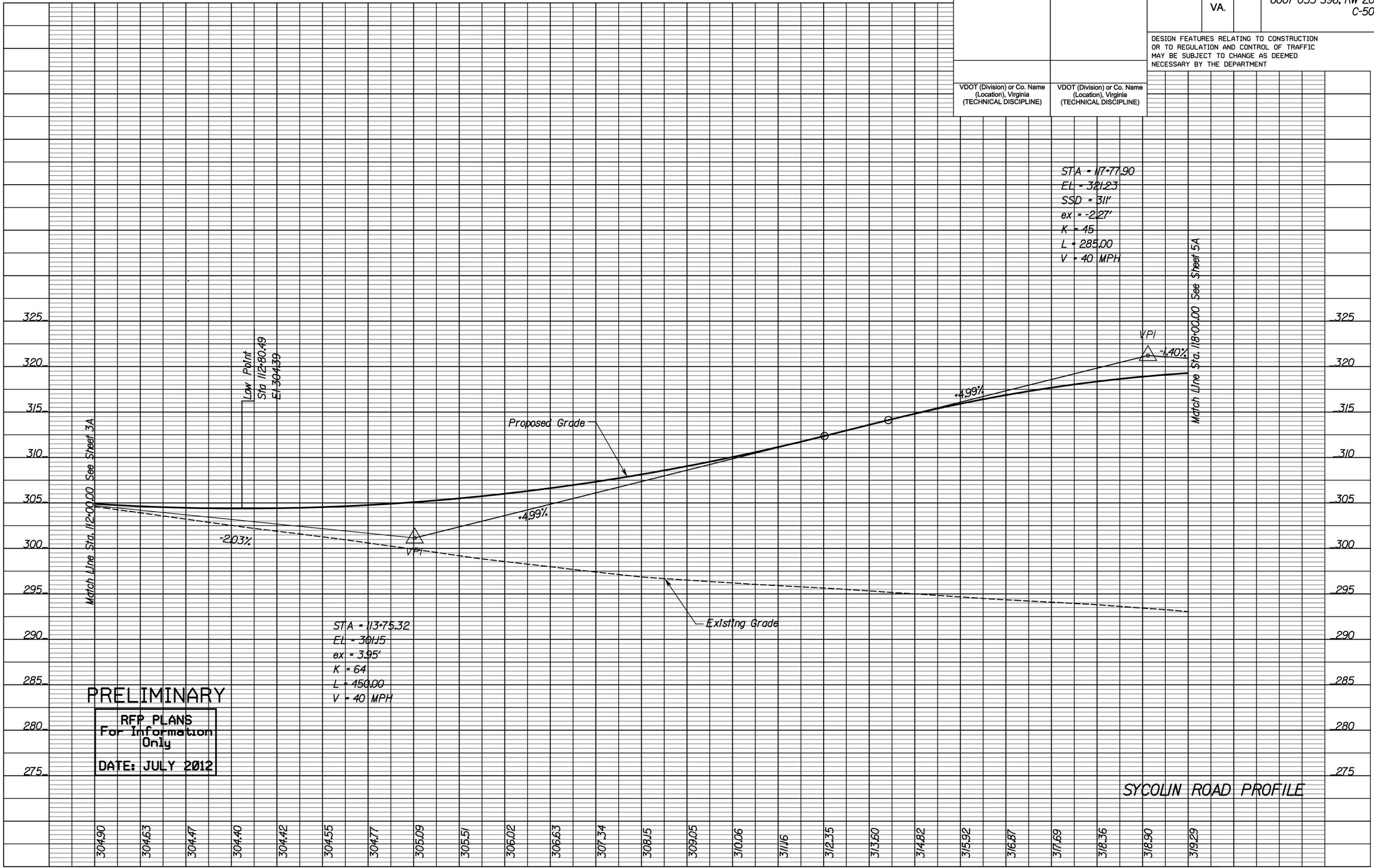
PROJECT MANAGER: **RIEUR, BAHMAN, P.E.** (703) 259-1940  
 SURVEYED BY: **RICE ASSOCIATES, INC.** (703) 968-3200  
 DESIGN SUPERVISED BY: **ROBERT G. REED, P.E.** (703) 352-7188  
 DESIGNED BY: **PARSONS TRANSPORTATION GROUP, INC.** (703) 934-2300

| REVISED | STATE | ROUTE | STATE PROJECT                 | SHEET NO. |
|---------|-------|-------|-------------------------------|-----------|
|         | VA.   |       | 6007-053-S96, RW-201<br>C-501 | 4A        |

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<br>(Location), Virginia<br>(TECHNICAL DISCIPLINE) | VDOT (Division) or Co. Name<br>(Location), Virginia<br>(TECHNICAL DISCIPLINE) |
|---|---|

STA = 117+77.90  
 EL = 321.23  
 SSD = 311'  
 ex = -2.27'  
 K = 45  
 L = 285.00  
 V = 40 MPH



**PRELIMINARY**  
**RFP PLANS**  
**For Information**  
**Only**  
**DATE: JULY 2012**

STA = 113+75.32  
 EL = 301.15  
 ex = 3.95'  
 K = 64  
 L = 450.00  
 V = 40 MPH

**SYCOLIN ROAD PROFILE**

112+00.00      113+00.00      114+00.00      115+00.00      116+00.00      117+00.00      118+00.00

|                         |                 |
|-------------------------|-----------------|
| PROJECT<br>6007-053-S96 | SHEET NO.<br>4A |
|-------------------------|-----------------|

Friday, July 20, 2012 1:48:27 PM

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
DESIGN SUPERVISED BY: ROBERT G. REED, P.E. (703) 352-7188  
DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

| REVISED | STATE | ROUTE | STATE PROJECT              | SHEET NO. |
|---------|-------|-------|----------------------------|-----------|
|         | VA.   |       | 6007-053-S96, RW-201 C-501 | 5         |

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

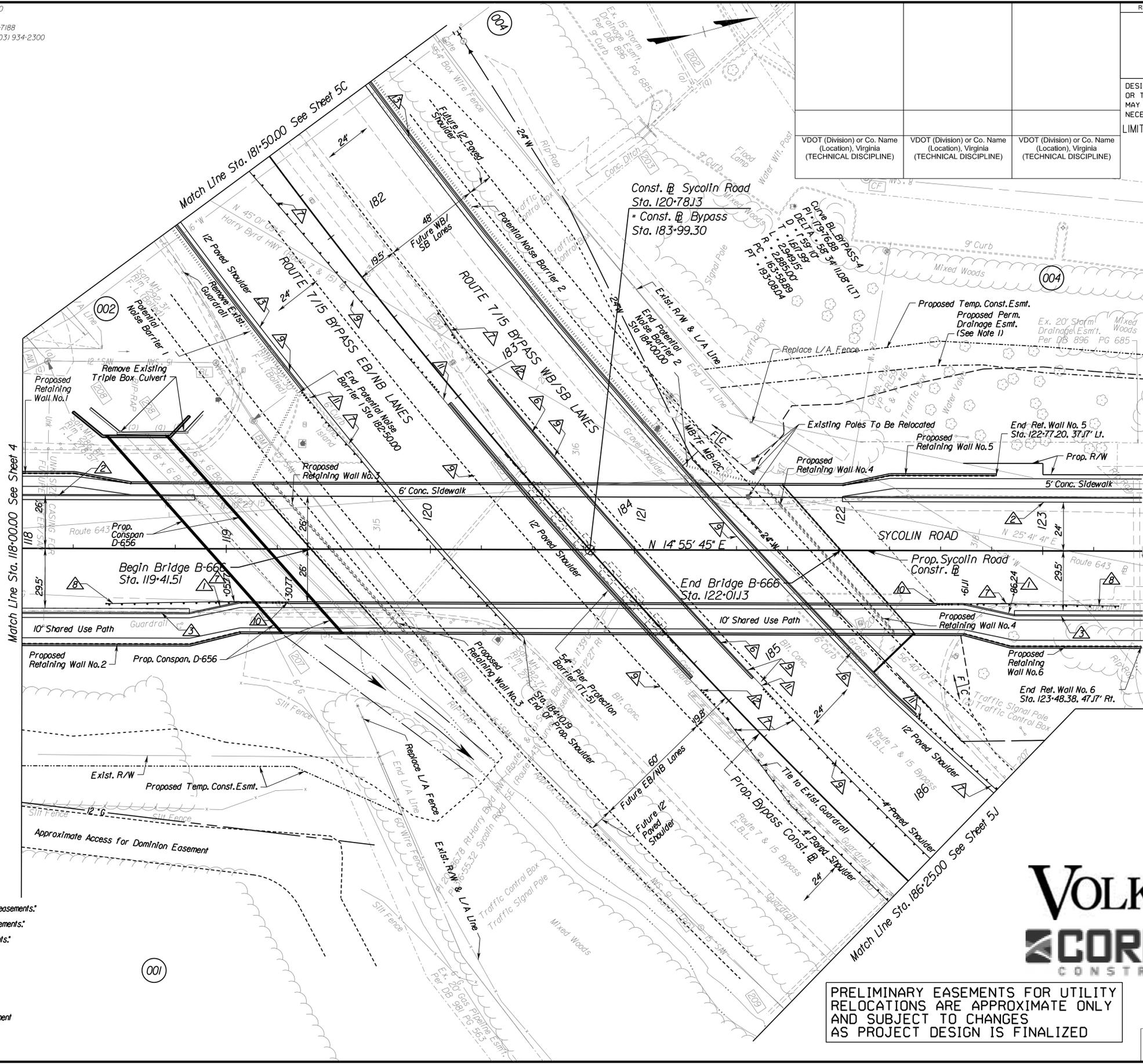
LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated 3-21-63.

## RFP PLANS JULY 2012

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

- LEGEND**
- VDOT S'd. CG-3 Req'd.
  - VDOT S'd. CG-6 Req'd.
  - VDOT S'd. CG-7 Req'd.
  - VDOT S'd. UD-4 Req'd.
  - VDOT S'd. UD-7 Req'd.
  - VDOT S'd. MB-12C Req'd.
  - VDOT S'd. GR-2 Req'd.
  - VDOT S'd. GR-9 Req'd.
  - Vertical Full Depth Sawcut
  - VDOT S'd. GR-FOA-1 Type I
  - VDOT S'd. GR-FOA-2 Type I
  - VDOT S'd. GR-FOA-2 Type II
  - VDOT S'd. MB-7F Req'd.

- LEGEND**
- \*Note: Dot-dot-dashed lines denote temporary easements.  
Or \*Note: Dot-dashed lines denote permanent easements.  
Or \*Note: Dotted lines denote utility easements.
- Denotes Construction Limits in Cuts
  - Denotes Construction Limits in Fills
  - Denotes Demolition of Pavement
  - Denotes Planing and Resurfacing of Pavement
  - Denotes Full Depth Pavement



Match Line Sta. 118+00.00 See Sheet 4

Match Line Sta. 123+50.00 See Sheet 6

- Notes:**
- Proposed Permanent Easement For Construction And Maintenance of Proposed Drainage Structure And Proposed Drainage Ditch or Pipe.

**Utility Owners :**  
Town of Leesburg  
Washington Gas  
NOVEC  
Dominion/Virginia Power



PRELIMINARY EASEMENTS FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGES AS PROJECT DESIGN IS FINALIZED

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

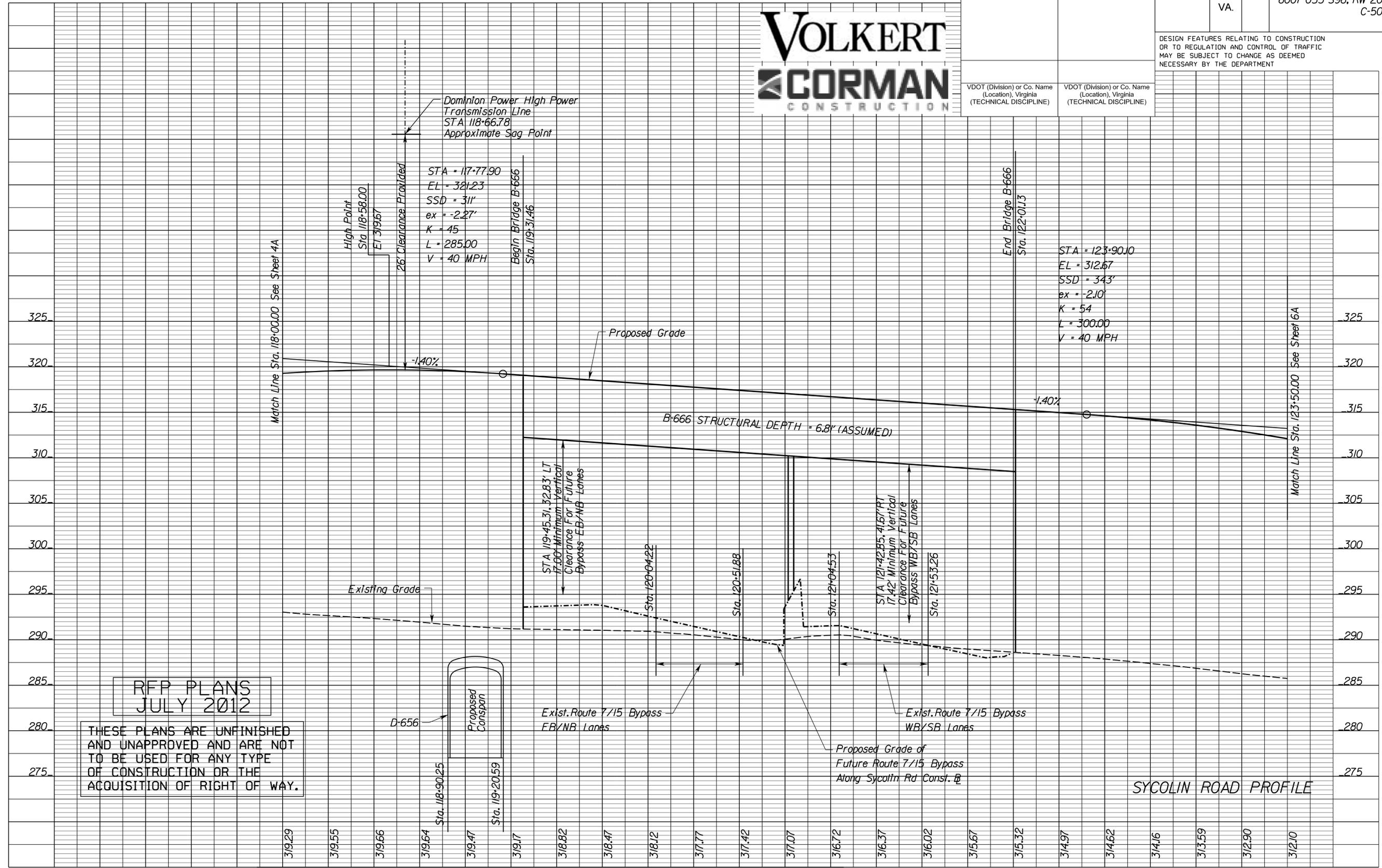
|                         |         |
|-------------------------|---------|
| Exist. Drain. Descr.    | IF(5-6) |
| Exist. San. Sew. Descr. | IF(7)   |
| Sycalin Rd. Profile     | 5A      |
| Ret. Wall Details       |         |

| PROJECT      | SHEET NO. |
|--------------|-----------|
| 6007-053-S96 | 5         |

PROJECT MANAGER ABIEUR, RAHMAN, P. E. (703) 259-1940  
 SURVEYED BY BICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY ROBERT G. REED, P. E. (703) 352-7188  
 DESIGNED BY PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300



|   |       |       |   |                               |           |
|---|-------|-------|---|-------------------------------|-----------|
| REVISED   | STATE | ROUTE | STATE   | PROJECT                       | SHEET NO. |
|   | VA.   |       |   | 6007-053-S96, RW-201<br>C-501 | 5A        |
| 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<br>(Location), Virginia<br>(TECHNICAL DISCIPLINE)   |       |       | VDOT (Division) or Co. Name<br>(Location), Virginia<br>(TECHNICAL DISCIPLINE) |                               |           |



**RFP PLANS  
 JULY 2012**

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

**SYCOLIN ROAD PROFILE**

118+00.00      119+00.00      120+00.00      121+00.00      122+00.00      123+00.00

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
DESIGN SUPERVISED BY: ROBERT G. REED, P.E. (703) 352-7188  
DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

# PRELIMINARY

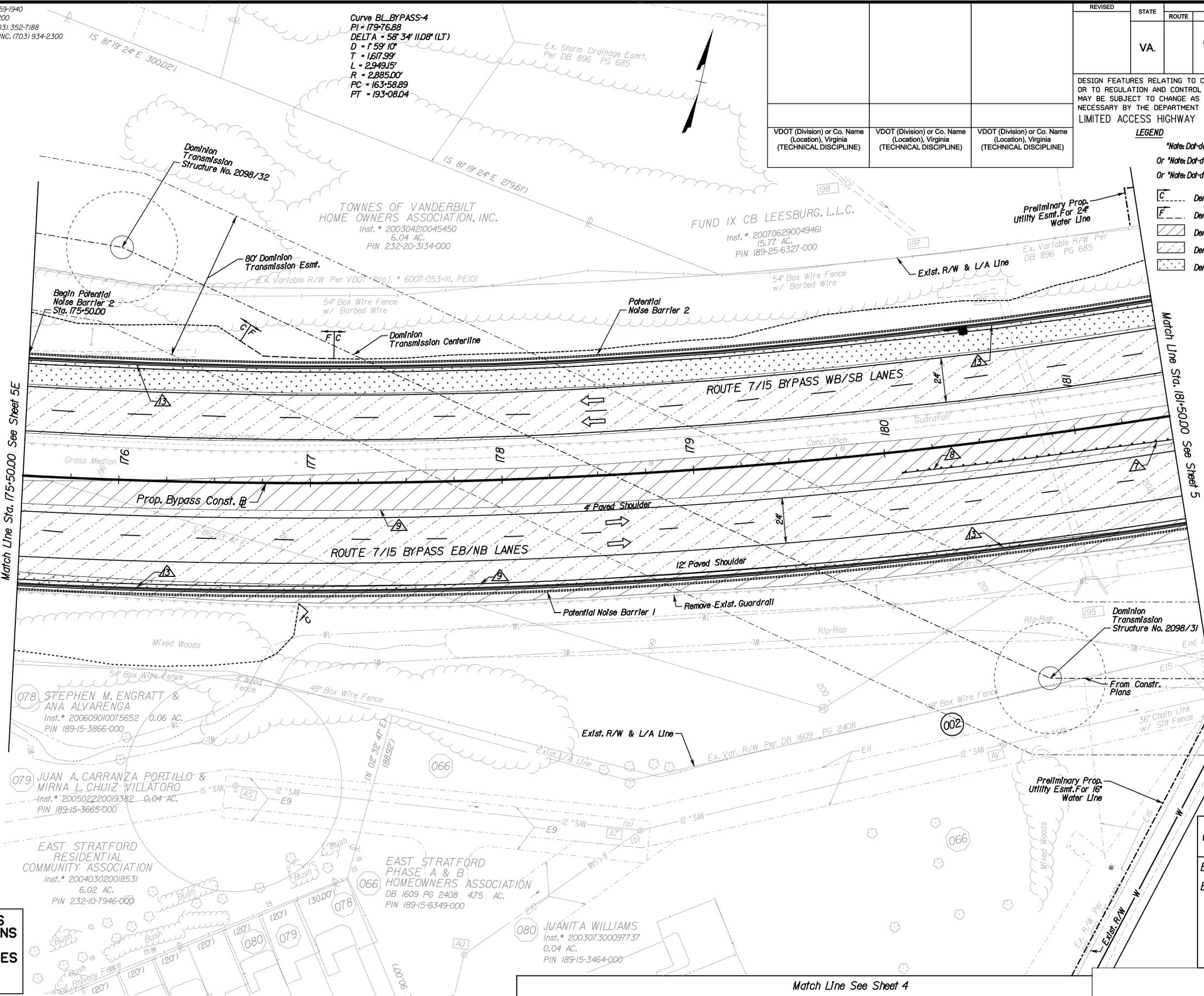
RFP PLANS  
For Information  
Only

DATE: JULY 2012

- LEGEND**
- ▲ VDOT S'd. CG-3 Req'd.
  - ▲ VDOT S'd. CG-6 Req'd.
  - ▲ VDOT S'd. CG-7 Req'd.
  - ▲ VDOT S'd. UD-4 Req'd.
  - ▲ VDOT S'd. UD-7 Req'd.
  - ▲ VDOT S'd. MB-12C Req'd.
  - ▲ VDOT S'd. GR-2 Req'd.
  - ▲ VDOT S'd. GR-9 Req'd.
  - ▲ Vertical Full Depth Sawcut
  - ▲ VDOT S'd. MB-7F Req'd.

Match Line Sta. 175+50.00 See Sheet 5E

Match Line Sta. 181+50.00 See Sheet 5



| REVISED | STATE | ROUTE | PROJECT                       | SHEET NO. |
|---------|-------|-------|-------------------------------|-----------|
|         | VA.   |       | 6007-053-S96, RW-201<br>C-501 | 5C        |

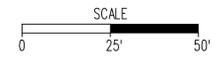
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated 3-21-63.

- LEGEND**
- Denotes Construction Limits In Cuts
  - Denotes Construction Limits In Fills
  - Denotes Demolition of Pavement
  - Denotes Planing and Resurfacing of Pavement
  - Denotes Full Depth Pavement
- \*Note: Dot-dot-dashed lines denote temporary easements.  
Or \*Note: Dot-dashed lines denote permanent easements.  
Or \*Note: Dashed lines denote utility easements.

Utility Owners :  
Dominion / Virginia Power  
Town of Leesburg

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

Exlst. Drain. Descr. IF(5-6)  
Exlst. San. Sew. Descr. IF(7)



PRELIMINARY EASEMENTS  
FOR UTILITY RELOCATIONS  
ARE APPROXIMATE ONLY  
AND SUBJECT TO CHANGES  
AS PROJECT DESIGN IS  
FINALIZED

Match Line See Sheet 4

| PROJECT      | SHEET NO. |
|--------------|-----------|
| 6007-053-S96 | 5C        |

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
DESIGN SUPERVISED BY: ROBERT G. REED, P.E. (703) 352-7188  
DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

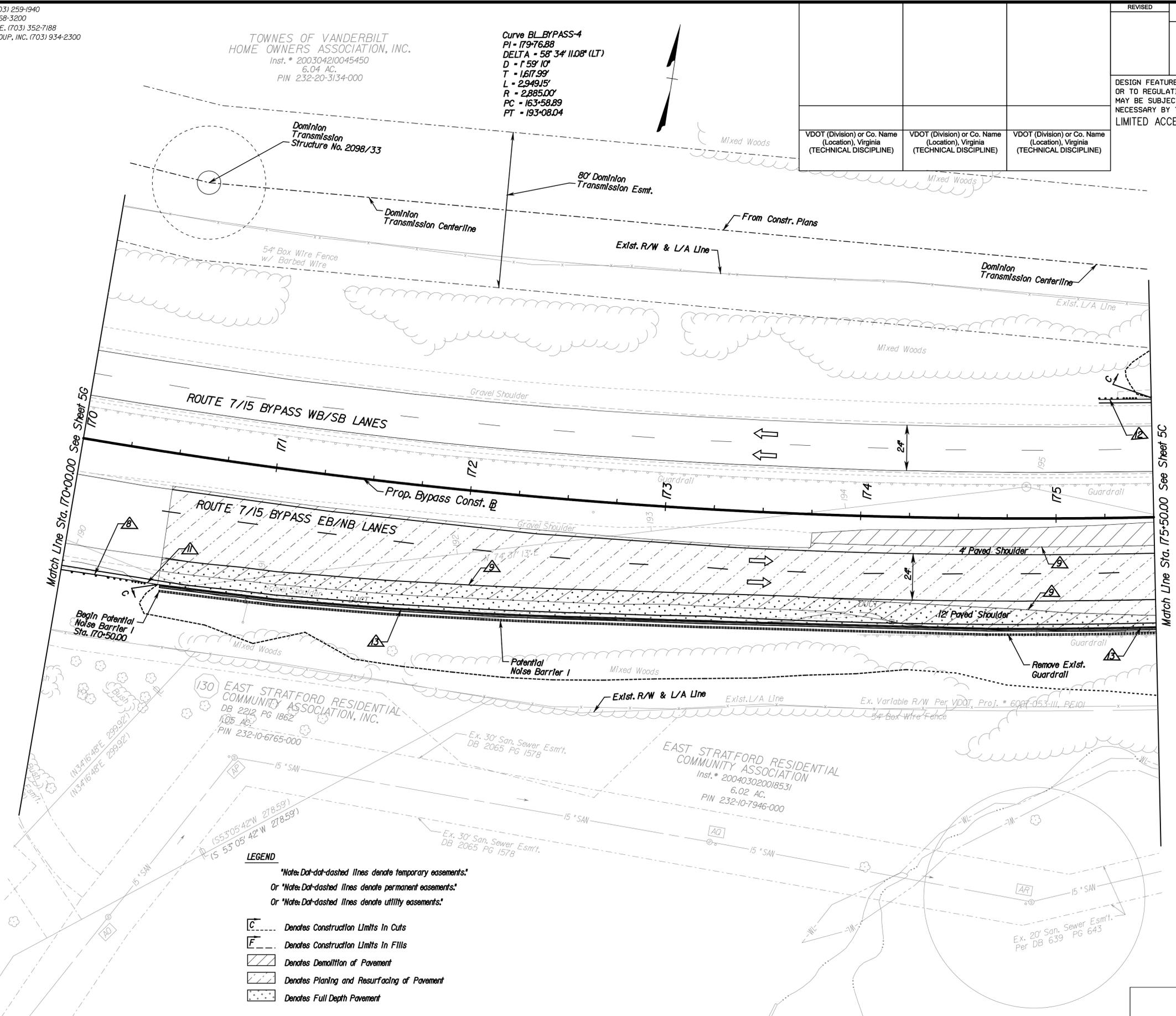
TOWNES OF VANDERBILT  
HOME OWNERS ASSOCIATION, INC.  
Inst. # 200304210045450  
6.04 AC.  
PIN 232-20-3134-000

Curve BL BYPASS-4  
PI = 179+76.88  
DELTA = 58° 34' 11.08" (LT)  
D = 159' 10"  
T = 1617.99'  
L = 2949.15'  
R = 2885.00'  
PC = 163+58.89  
PT = 193+08.04

| REVISED | STATE | ROUTE | PROJECT                       | SHEET NO. |
|---------|-------|-------|-------------------------------|-----------|
|         | VA.   |       | 6007-053-S96, RW-201<br>C-501 | 5E        |

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT  
LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated 3-21-63.

**PRELIMINARY**  
**RFP PLANS**  
**For Information Only**  
**DATE: JULY 2012**



- LEGEND**
- ▲ VDOT S'd. CG-3 Req'd.
  - ▲ VDOT S'd. CG-6 Req'd.
  - ▲ VDOT S'd. CG-7 Req'd.
  - ▲ VDOT S'd. UD-4 Req'd.
  - ▲ VDOT S'd. UD-7 Req'd.
  - ▲ VDOT S'd. MB-12C Req'd.
  - ▲ VDOT S'd. GR-2 Req'd.
  - ▲ VDOT S'd. GR-9 Req'd.
  - ▲ Vertical Full Depth Sawcut
  - ▲ VDOT S'd. GR-F0A-1 Type 1
  - ▲ VDOT S'd. GR-F0A-2 Type 1
  - ▲ VDOT S'd. GR-F0A-2 Type II
  - ▲ VDOT S'd. MB-7F Req'd.

Utility Owners :  
Dominion / Virginia Power  
Town of Leesburg



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

Ex'ist. Drain. Descr. IF(5-6)  
Ex'ist. San. Sew. Descr. IF(7)

**LEGEND**

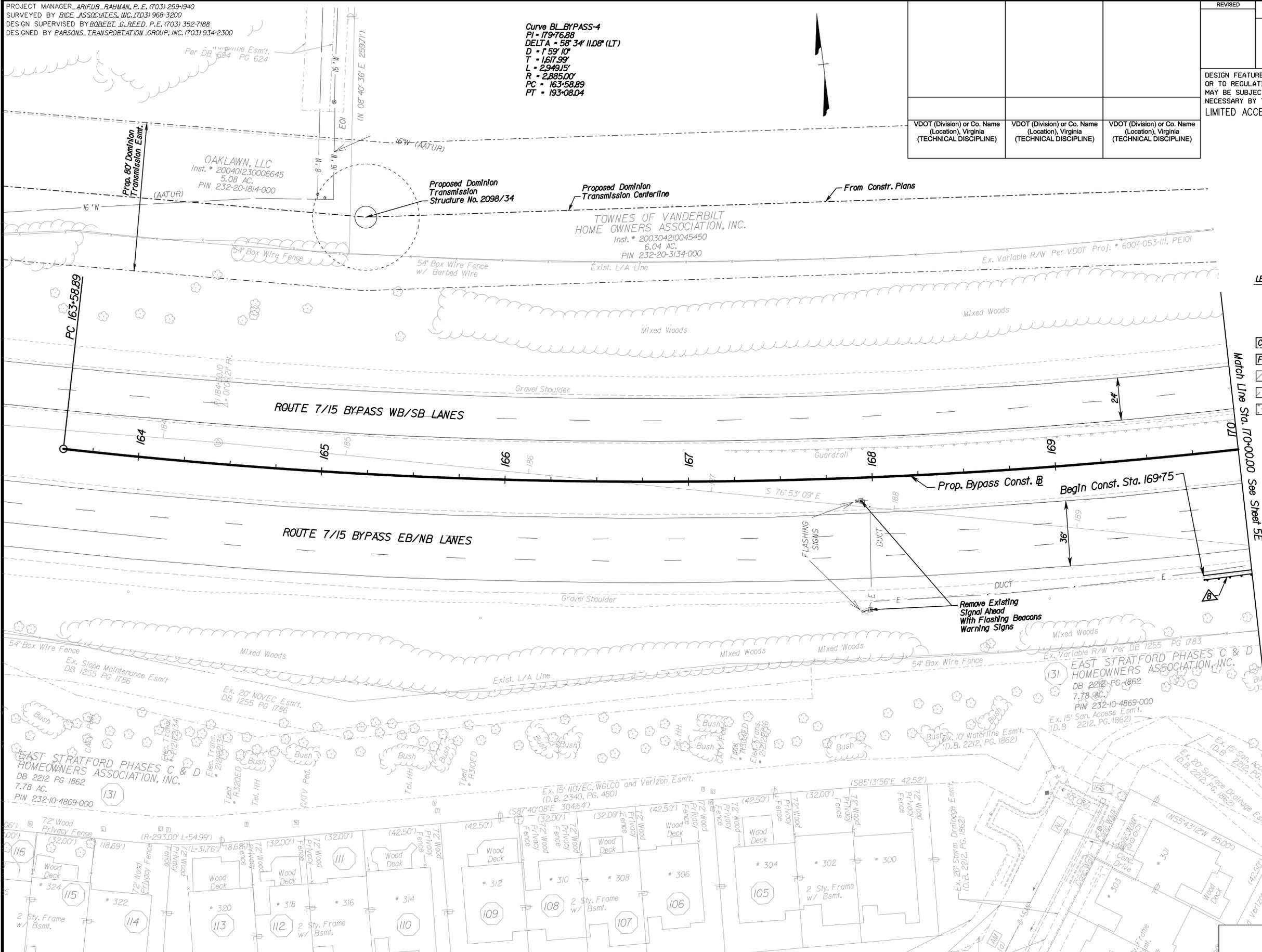
\*Note: Dot-dot-dashed lines denote temporary easements.  
Or \*Note: Dot-dashed lines denote permanent easements.  
Or \*Note: Dot-dashed lines denote utility easements.

- C --- Denotes Construction Limits in Cuts
- F --- Denotes Construction Limits in Fills
- ▨ Denotes Demolition of Pavement
- ▨ Denotes Planing and Resurfacing of Pavement
- ▨ Denotes Full Depth Pavement

Friday, July 20, 2012 1:45:30 PM

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
DESIGN SUPERVISED BY: ROBERT G. REED, P.E. (703) 352-7188  
DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

Curve BL BYPASS-4  
PI = 179+76.88  
DELTA = 58° 34' 11.08" (LT)  
D = 159' 10"  
T = 167.99'  
L = 2949.15'  
R = 2885.00'  
PC = 163+58.89  
PT = 193+08.04



| REVISED | STATE | ROUTE | PROJECT                    | SHEET NO. |
|---------|-------|-------|----------------------------|-----------|
|         | VA.   |       | 6007-053-S96, RW-201 C-501 | 5G        |

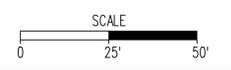
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT  
LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated 3-21-63.

**PRELIMINARY**  
**RFP PLANS**  
**For Information Only**  
**DATE: JULY 2012**

- LEGEND**
- \*Note: Dot-dot-dashed lines denote temporary easements.\*
  - Or \*Note: Dot-dashed lines denote permanent easements.\*
  - Or \*Note: Dashed lines denote utility easements.\*
  - Denotes Construction Limits In Cuts
  - Denotes Construction Limits In Fills
  - Denotes Demolition of Pavement
  - Denotes Planning and Resurfacing of Pavement
  - Denotes Full Depth Pavement

- LEGEND**
- ▲ VDOT S'd. CG-3 Req'd.
  - ▲ VDOT S'd. CG-6 Req'd.
  - ▲ VDOT S'd. CG-7 Req'd.
  - ▲ VDOT S'd. UD-4 Req'd.
  - ▲ VDOT S'd. UD-7 Req'd.
  - ▲ VDOT S'd. MB-12C Req'd.
  - ▲ VDOT S'd. GR-2 Req'd.
  - ▲ VDOT S'd. GR-9 Req'd.
  - ▲ Vertical Full Depth Sawcut

Utility Owners :  
Dominion / Virginia Power  
Town of Leesburg



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

Ex'ist. Drain. Descr. IF(5-6)  
Ex'ist. San. Sew. Descr. IF(7)

| PROJECT      | SHEET NO. |
|--------------|-----------|
| 6007-053-S96 | 5G        |

Friday, July 20, 2012 1:46:14 PM

PROJECT MANAGER: ARIFUB RAHMAN, P.E. (703) 259-1940  
 SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY: ROBERT G. REED, P.E. (703) 352-7188  
 DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

# PRELIMINARY

**RFP PLANS**  
**For Information**  
**Only**

**DATE: JULY 2012**

Utility Owners:  
 Dominion / Virginia Power  
 Town of Leesburg  
 NOVEC

- LEGEND**
- ▲ VDOT Std. CG-3 Req'd.
  - ▲ VDOT Std. CG-6 Req'd.
  - ▲ VDOT Std. CG-7 Req'd.
  - ▲ VDOT Std. UD-4 Req'd.
  - ▲ VDOT Std. UD-7 Req'd.
  - ▲ VDOT Std. MB-12C Req'd.
  - ▲ VDOT Std. GR-2 Req'd.
  - ▲ VDOT Std. GR-9 Req'd.
  - ▲ Vertical Full Depth Sawcut
  - ▲ VDOT Std. GR-FOA-1 Type 1

**LEGEND**

- \*Note: Dot-dot-dashed lines denote temporary easements.
- Or \*Note: Dot-dashed lines denote permanent easements.
- Or \*Note: Dashed lines denote utility easements.
- C --- Denotes Construction Limits In Cuts
- F --- Denotes Construction Limits In Fills
- ▨ Denotes Demolition of Pavement
- ▨ Denotes Planing and Resurfacing of Pavement
- ▨ Denotes Full Depth Pavement

Curve BL BYPASS-4  
 PI = 17976.88  
 DELTA = 58° 34' 11.08" (LT)  
 D = 159.10'  
 T = 1617.99'  
 L = 2949.15'  
 R = 2885.00'  
 PC = 16358.89  
 PT = 19308.04

003

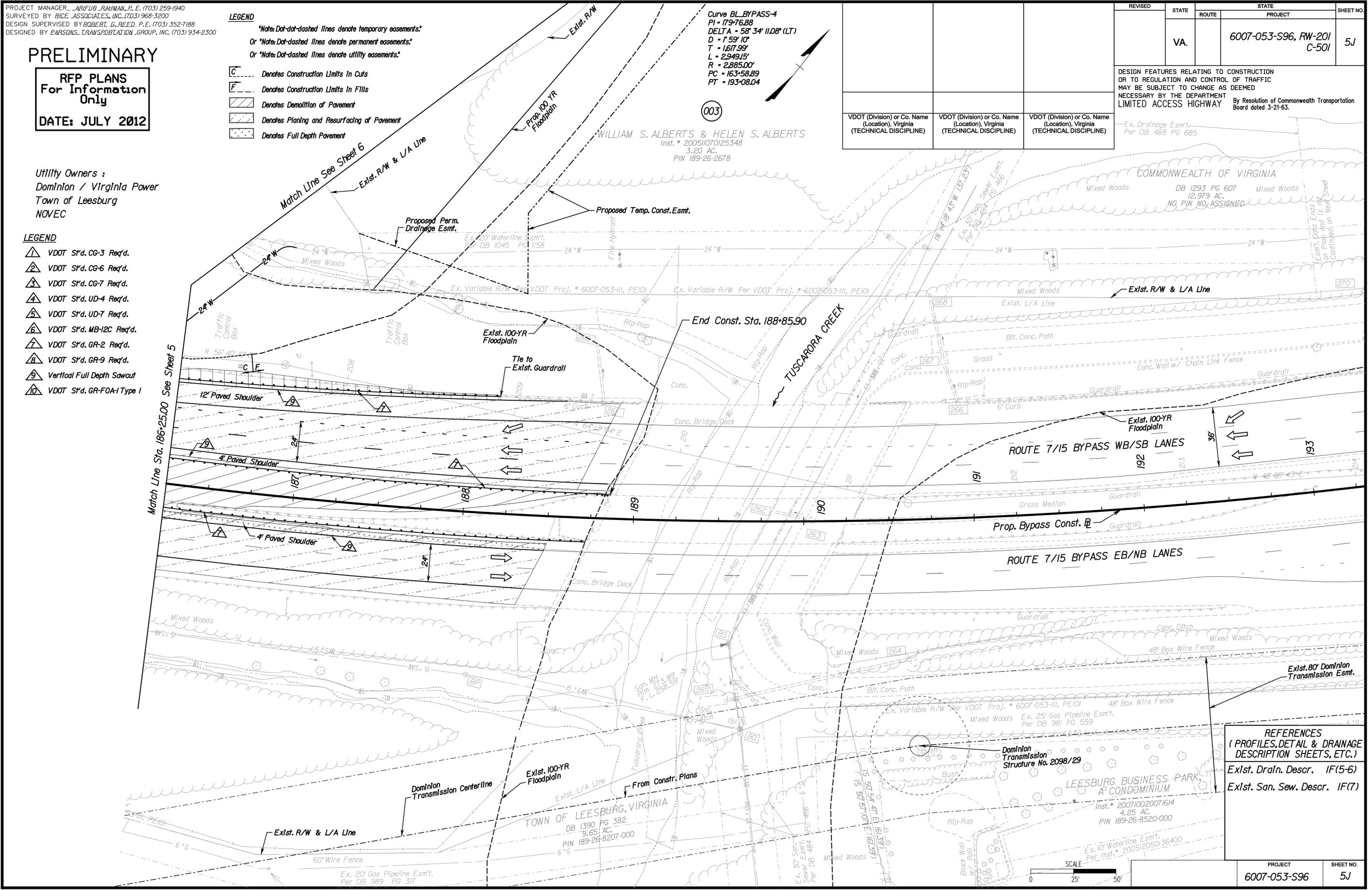
WILLIAM S. ALBERTS & HELEN S. ALBERTS  
 Inst. # 200511070125348  
 3.20 AC.  
 PIN 189-26-2678

| REVISED | STATE | ROUTE | PROJECT                    | SHEET NO. |
|---------|-------|-------|----------------------------|-----------|
|         | VA.   |       | 6007-053-S96, RW-201-C-501 | 5J        |

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated 3-21-63.

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

Ex. Drainage Esm't. Per DB 488 PG 685



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

- Ex. Drain. Descr. IF(5-6)
- Ex. San. Sew. Descr. IF(7)

DomInon Transmission Structure No. 2098/29  
 LEESBURG BUSINESS PARK A CONDOMINIUM  
 Inst. # 200710020071614  
 4.25 AC.  
 PIN 189-26-8520-000



|              |           |
|--------------|-----------|
| PROJECT      | SHEET NO. |
| 6007-053-S96 | 5J        |

Friday, July 20, 2012 14:46:57 PM

PROJECT MANAGER: ABIFUR RAHMAN, P.E. (703) 259-1940  
SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
DESIGN SUPERVISED BY: ROBERT G. REED, P.E. (703) 352-7189  
DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

FUND IX CB LEESBURG, L.L.C.

Inst. \* 200706290049461  
15.77 AC.  
PIN 189-25-6327-000

Curve SYCLRDI-2  
PI = 127+21.51  
DELTA = 30° 07' 14.80" (LT)  
D = 7° 09' 43"  
T = 215.26' \* 301-330  
L = 420.57' \* 3 Sty. Brick  
R = 800.00'  
PC = 125+06.25  
PT = 129+26.82  
V = 40 mph  
e = 3.80 %  
Lr = 110'

| REVISED | STATE |                               | SHEET NO. |
|---------|-------|-------------------------------|-----------|
|         | ROUTE | PROJECT                       |           |
|         | VA.   | 6007-053-S96, RW-201<br>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  
LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated 3-21-63.

**PRELIMINARY**  
**RFP PLANS**  
**For Information Only**  
**DATE: JULY 2012**

**LEGEND**

\*Note: Dot-dot-dashed lines denote temporary easements.  
Or \*Note: Dot-dashed lines denote permanent easements.  
Or \*Note: Dashed lines denote utility easements.

- C --- Denotes Construction Limits In Cuts
- F --- Denotes Construction Limits In Fills
- ▨ Denotes Demolition of Pavement
- ▧ Denotes Planing and Resurfacing of Pavement
- Denotes Full Depth Pavement

**LEGEND**

- △ VDOT Std. CG-3 Req'd.
- △ VDOT Std. CG-6 Req'd.
- △ VDOT Std. CG-7 Req'd.
- △ VDOT Std. UD-4 Req'd.
- △ VDOT Std. UD-7 Req'd.
- △ VDOT Std. MB-12C Req'd.
- △ VDOT Std. GR-2 Req'd.
- △ VDOT Std. GR-9 Req'd.
- △ Vertical Full Depth Sawcut

**Notes:**

1. Proposed Permanent Easement For The Construction And Maintenance of Proposed Drainage Ditch or Pipe.
2. Unless Otherwise Stated In The Drainage Description, All Inlets Shall Be Water Quality Inlets To Be Maintained By The Town of Leesburg.

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

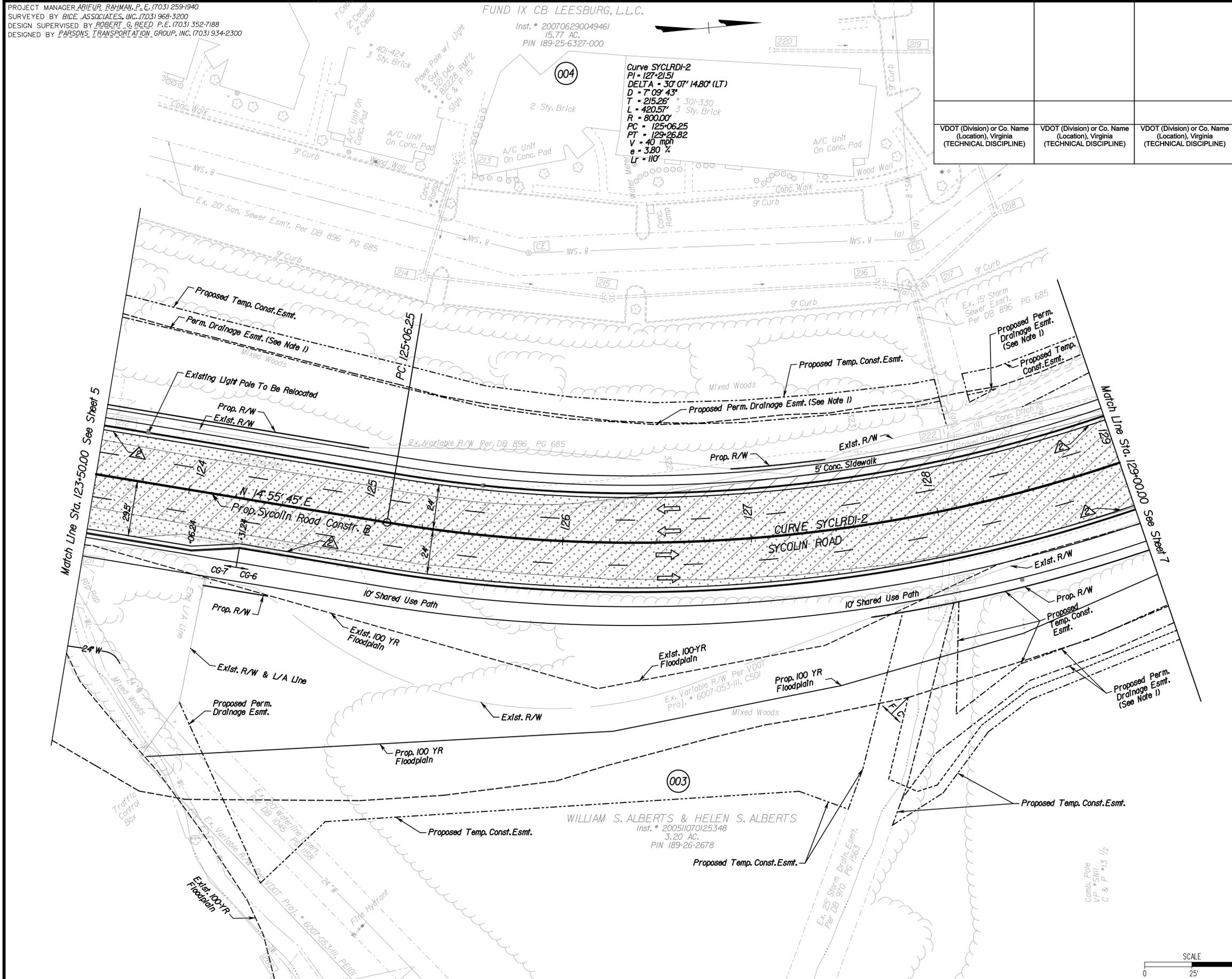
Exlst. Drain. Descr. IF(5-6)  
Exlst. San. Sew. Descr. IF(7)  
Sycolln Rd. Profiles 6A

Utility Owners :  
Town of Leesburg  
NOVEC  
Verizon of Leesburg  
Comcast

| PROJECT      | SHEET NO. |
|--------------|-----------|
| 6007-053-S96 | 6         |



Friday, July 20, 2012 1:47:43 PM

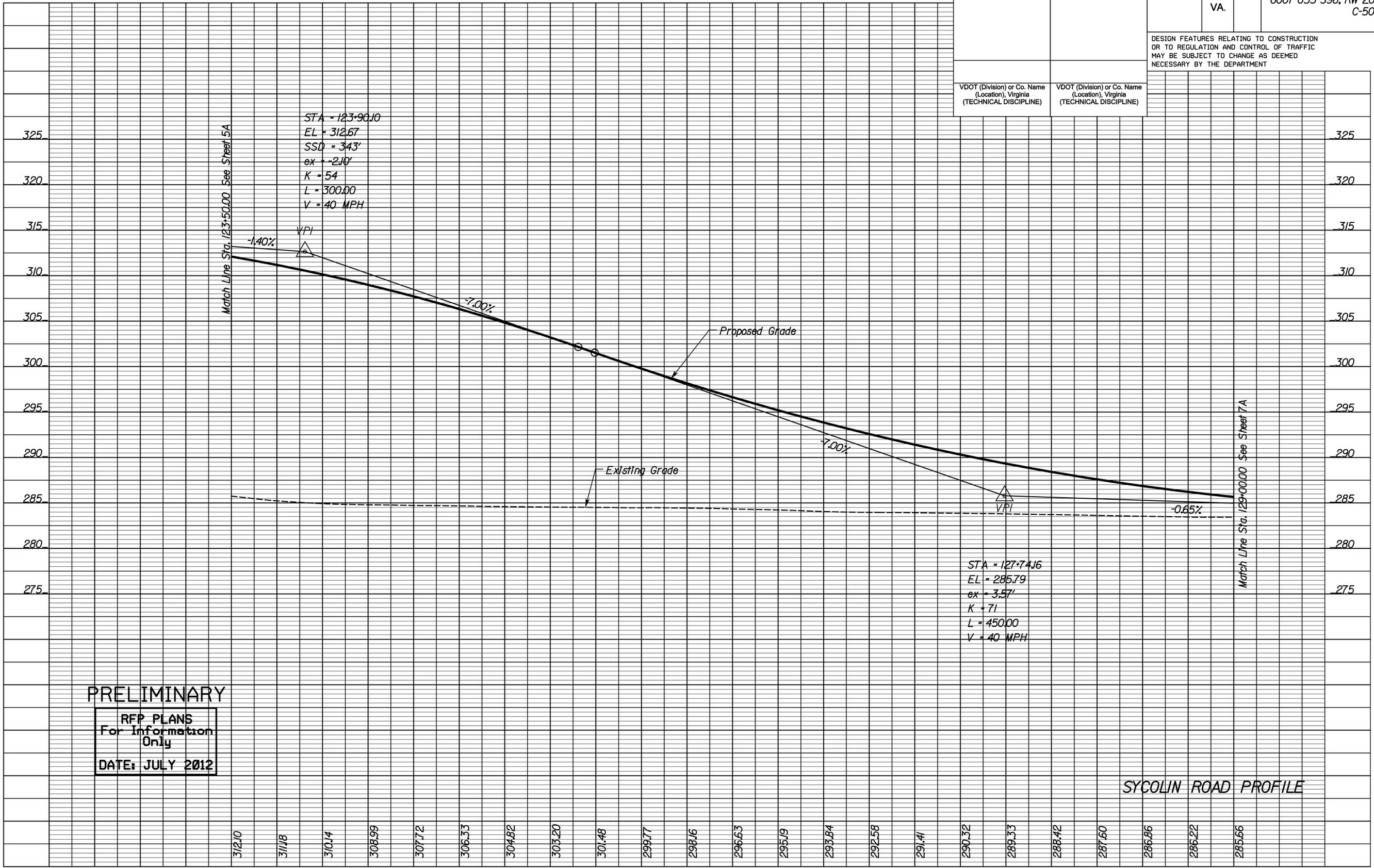


PROJECT MANAGER: **RIEUR, BAHMAN, P.E.** (703) 259-1940  
 SURVEYED BY: **RICE ASSOCIATES, INC.** (703) 968-3200  
 DESIGN SUPERVISED BY: **ROBERT G. REED, P.E.** (703) 352-7188  
 DESIGNED BY: **PARSONS TRANSPORTATION GROUP, INC.** (703) 934-2300

|         |       |       |                               |           |
|---------|-------|-------|-------------------------------|-----------|
| REVISED | STATE | ROUTE | STATE PROJECT                 | SHEET NO. |
|         | VA.   |       | 6007-053-S96, RW-201<br>C-501 | 6A        |

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)



**PRELIMINARY**  
 RFP PLANS  
 For Information  
 Only  
 DATE: JULY 2012

**SYCOLIN ROAD PROFILE**

123+00.00      124+00.00      125+00.00      126+00.00      127+00.00      128+00.00      129+00.00

|              |           |
|--------------|-----------|
| PROJECT      | SHEET NO. |
| 6007-053-S96 | 6A        |

Friday, July 20, 2012 1:48:28 PM

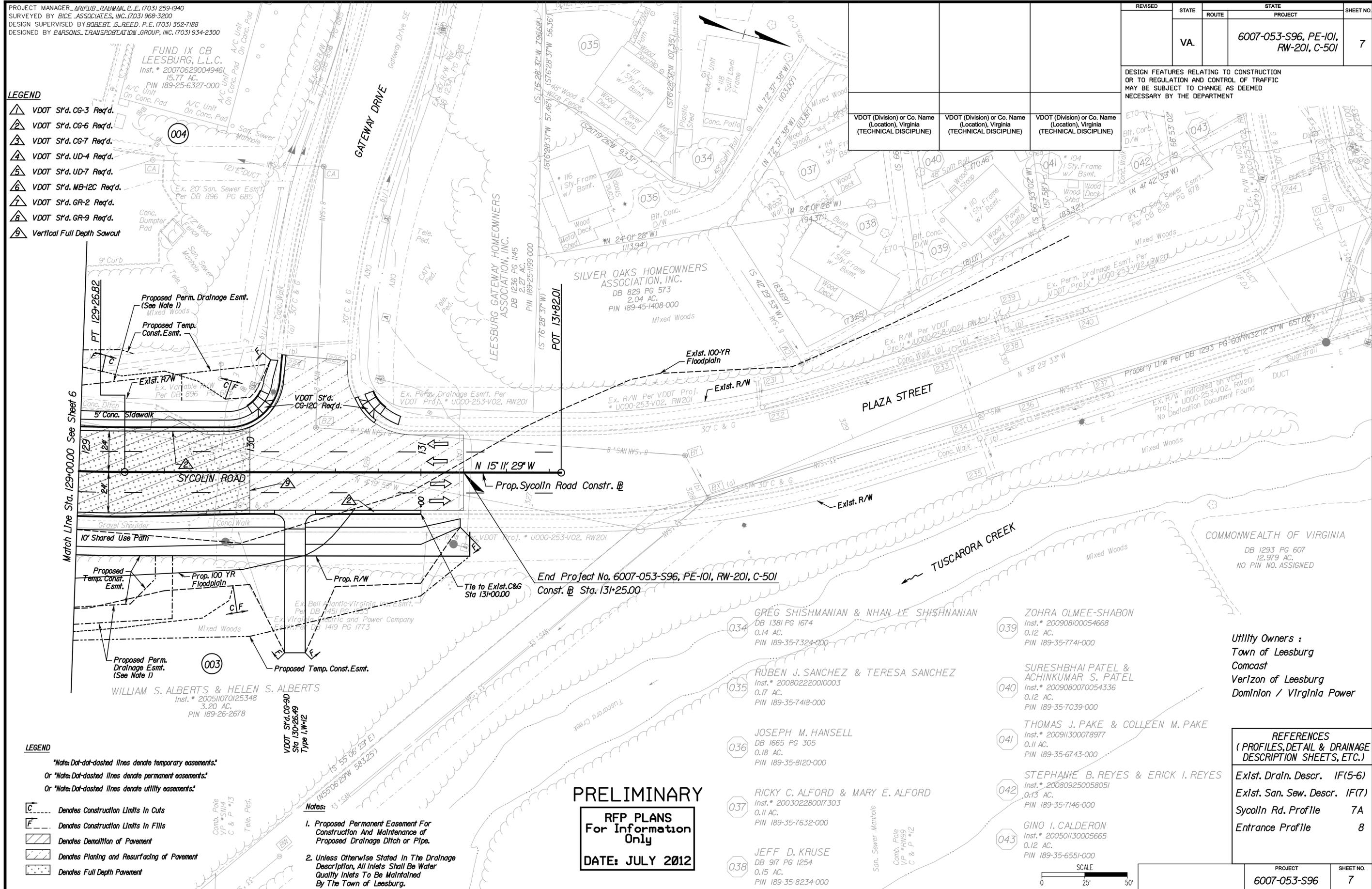
PROJECT MANAGER: ARIFUJIB RAHMAN, P.E. (703) 259-1940  
 SURVEYED BY: BICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY: ROBERT G. REED, P.E. (703) 352-7188  
 DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

- LEGEND**
- ▲ VDOT S'd. CG-3 Req'd.
  - ▲ VDOT S'd. CG-6 Req'd.
  - ▲ VDOT S'd. CG-7 Req'd.
  - ▲ VDOT S'd. UD-4 Req'd.
  - ▲ VDOT S'd. UD-7 Req'd.
  - ▲ VDOT S'd. MB-12C Req'd.
  - ▲ VDOT S'd. GR-2 Req'd.
  - ▲ VDOT S'd. GR-9 Req'd.
  - ▲ Vertical Full Depth Sawcut

| REVISED | STATE | ROUTE | PROJECT                             | SHEET NO. |
|---------|-------|-------|-------------------------------------|-----------|
|         | VA.   |       | 6007-053-S96, 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

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



- LEGEND**
- - - - - Denotes Construction Limits In Cuts
  - - - - - Denotes Construction Limits In Fills
  - ▨ Denotes Demolition of Pavement
  - ▩ Denotes Planting and Resurfacing of Pavement
  - ▧ Denotes Full Depth Pavement
- Notes:**
- Proposed Permanent Easement For Construction And Maintenance of Proposed Drainage Ditch or Pipe.
  - Unless Otherwise Stated In The Drainage Description, All Inlets Shall Be Water Quality Inlets To Be Maintained By The Town of Leesburg.

**PRELIMINARY**  
**RFP PLANS**  
**For Information Only**  
**DATE: JULY 2012**

**Utility Owners :**  
 Town of Leesburg  
 Comcast  
 Verizon of Leesburg  
 Dominion / Virginia Power

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

|                          |         |
|--------------------------|---------|
| Ex'lst. Drain. Descr.    | IF(5-6) |
| Ex'lst. San. Sew. Descr. | IF(7)   |
| Sycollin Rd. Profile     | 7A      |
| Entrance Profile         | 8       |



| PROJECT      | SHEET NO. |
|--------------|-----------|
| 6007-053-S96 | 7         |

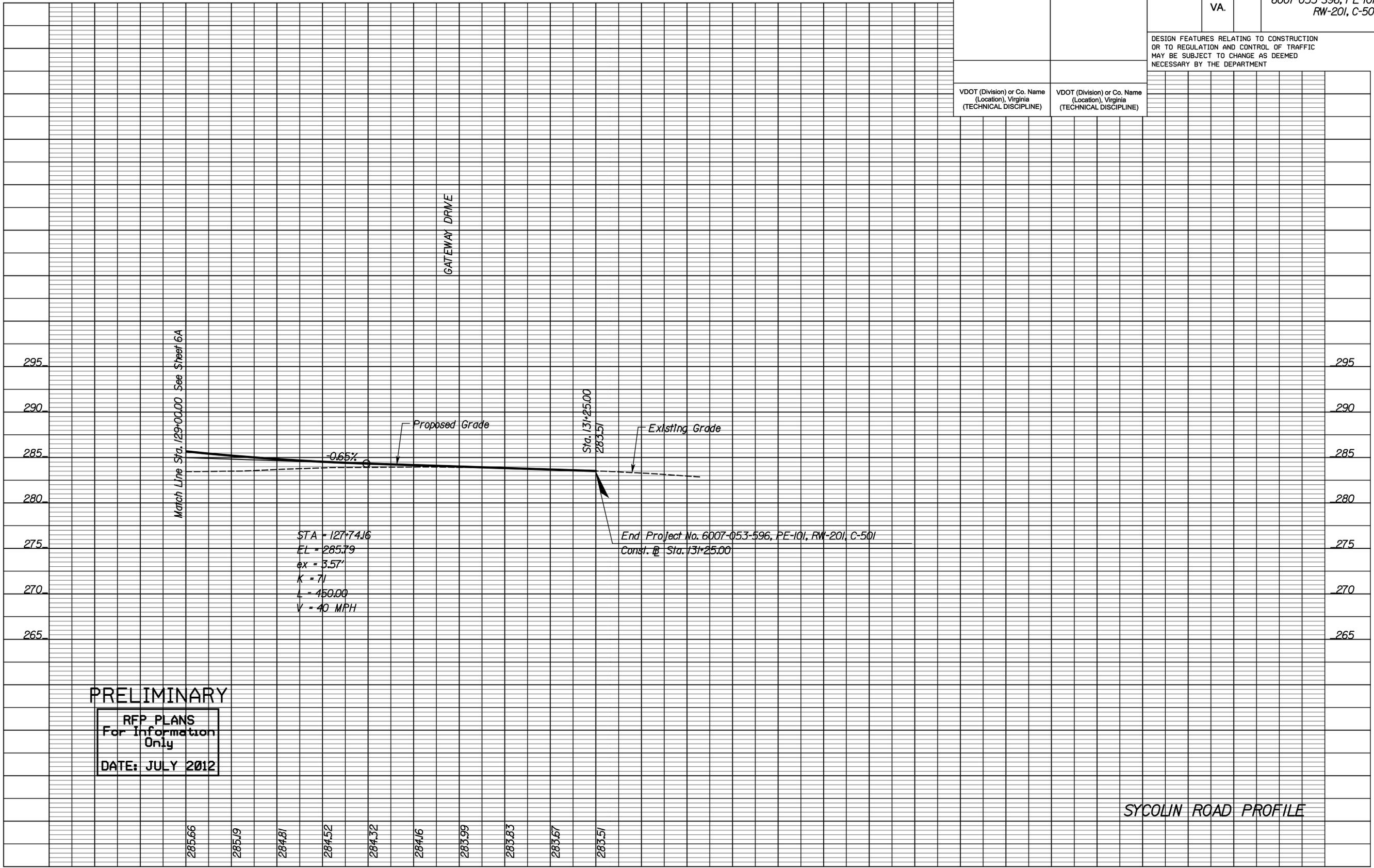
PROJECT MANAGER: **RIEUN, BAHMAN, P.E.** (703) 259-1940  
 SURVEYED BY: **RICE ASSOCIATES, INC.** (703) 968-3200  
 DESIGN SUPERVISED BY: **ROBERT G. REED, P.E.** (703) 352-7188  
 DESIGNED BY: **PARSONS TRANSPORTATION GROUP, INC.** (703) 934-2300

| REVISED | STATE | ROUTE | STATE PROJECT                       | SHEET NO. |
|---------|-------|-------|-------------------------------------|-----------|
|         | VA.   |       | 6007-053-S96, PE-101, RW-201, C-501 | 7A        |

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)



**PRELIMINARY**  
**RFP PLANS**  
**For Information**  
**Only**  
**DATE: JULY 2012**

**SYCOLIN ROAD PROFILE**

Friday, July 20, 2012 1:49:59 PM

# ENTRANCE PROFILES

PROJECT MANAGER: R. BAHMAN, P.E. (703) 259-1940  
SURVEYED BY: RICE ASSOCIATES, INC. (703) 968-3200  
DESIGN SUPERVISED BY: ROBERT G. REED, P.E. (703) 352-7188  
DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

|         |       |       |                               |           |
|---------|-------|-------|-------------------------------|-----------|
| REVISED | STATE | ROUTE | PROJECT                       | SHEET NO. |
|         | VA.   |       | 6007-053-S96, RW-201<br>C-501 | 8         |

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

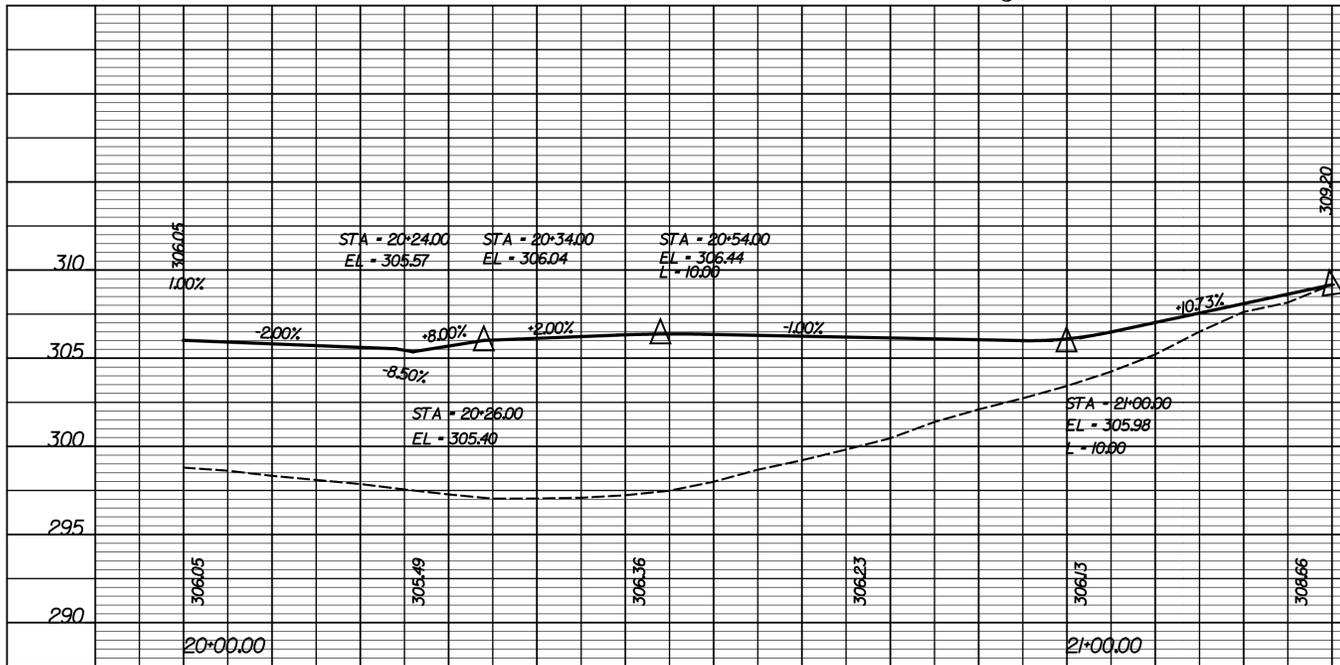
VDOT (Division) or Co. Name  
(Location), Virginia  
(TECHNICAL DISCIPLINE)

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

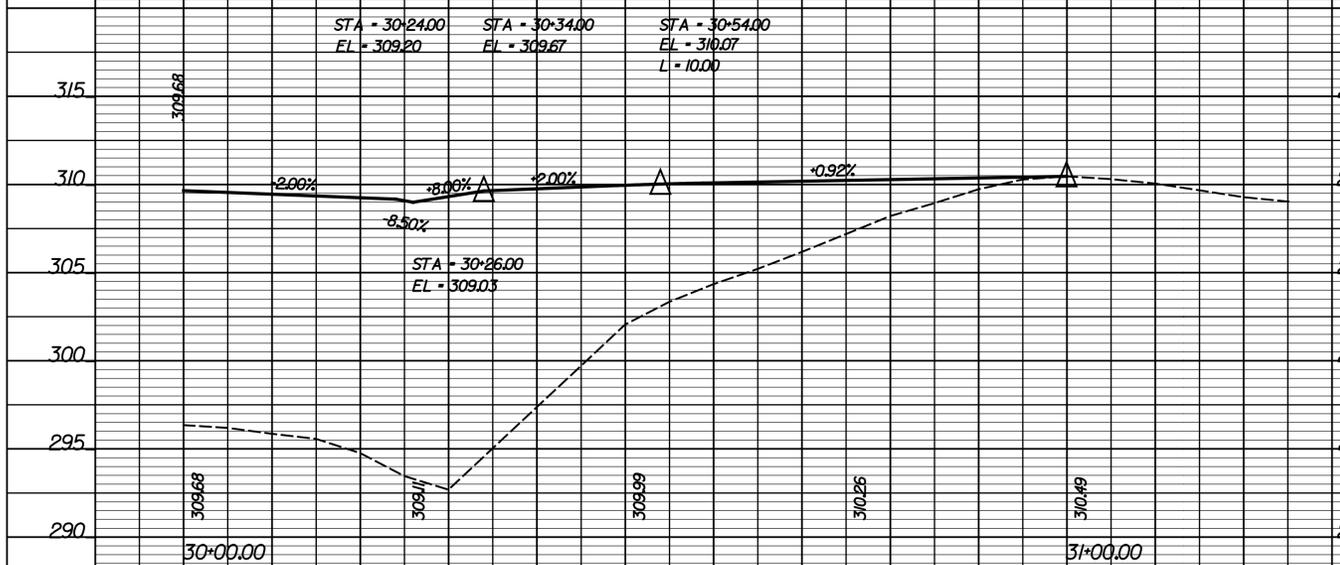
**PRELIMINARY**

**RFP PLANS  
For Information  
Only**

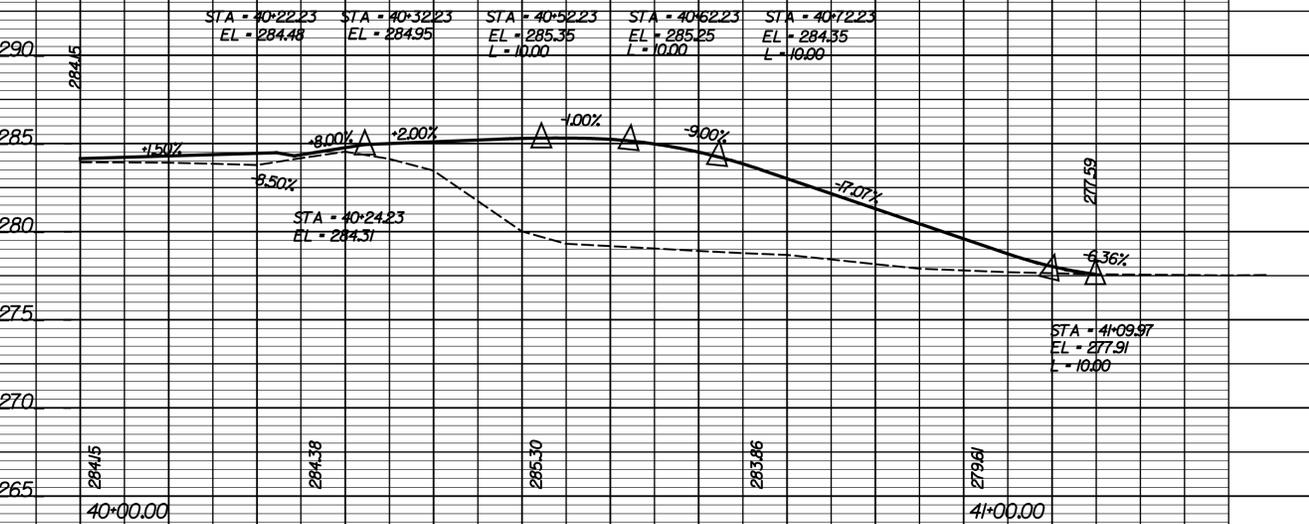
**DATE: JULY 2012**



CG-9D ENTRANCE PROFILE  
AT STA 114+13.04 CONST. B SYCOLIN RD.



CG-9D ENTRANCE PROFILE  
AT STA 115+35.52 CONST. B SYCOLIN RD.



CG-9D ENTRANCE PROFILE  
AT STA 130+26.49 CONST. B SYCOLIN RD.

Friday, July 20, 2012 1:50:41 PM

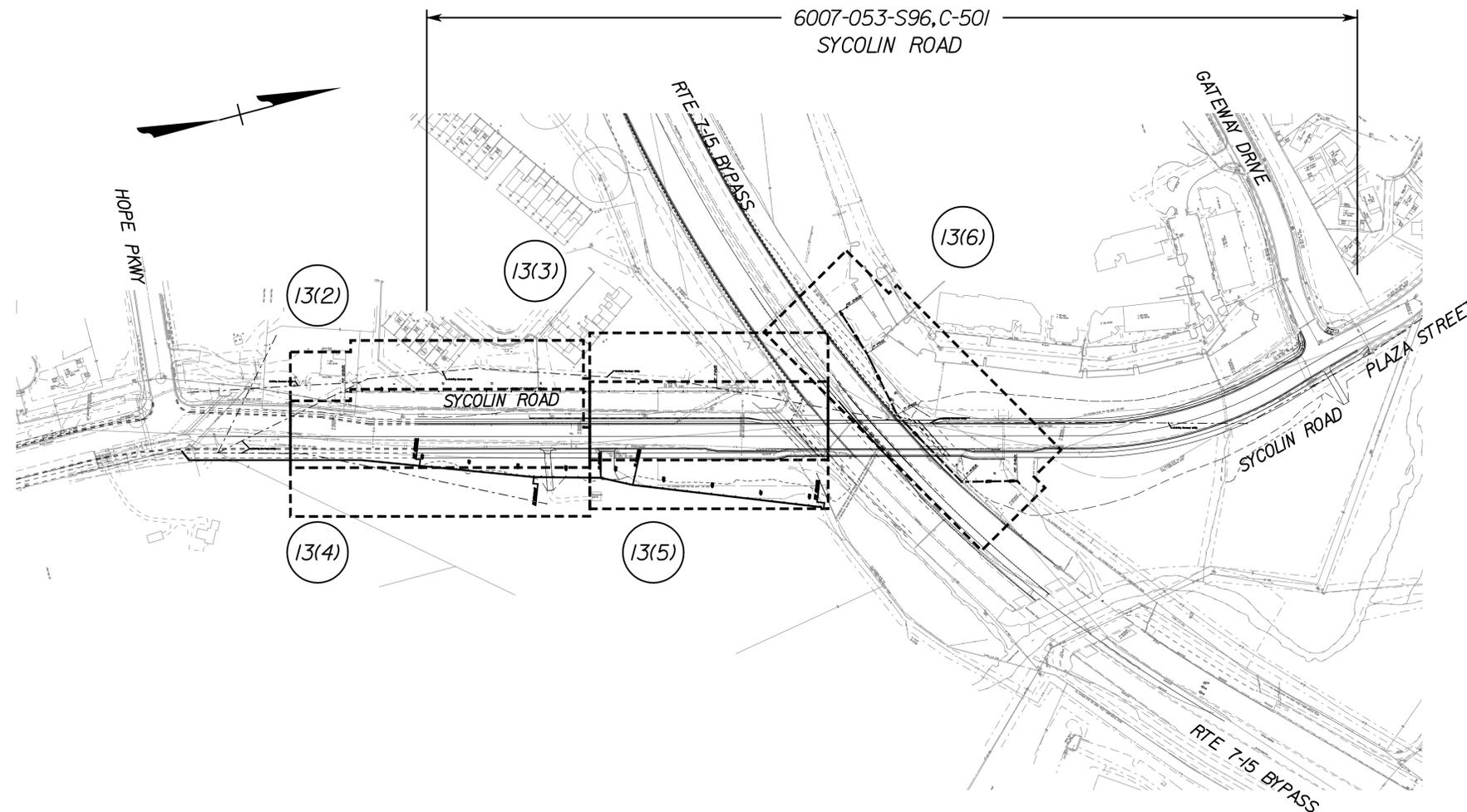
PROJECT MANAGER: **EUR. BAHMAN, P.E.** (703) 259-1940  
 SURVEYED BY: **BICE ASSOCIATES, INC.** (703) 968-3200  
 DESIGN SUPERVISED BY: **ROBERT G. REED, P.E.** (703) 352-7188  
 DESIGNED BY: **PARSONS TRANSPORTATION GROUP, INC.** (703) 934-2300

# PRELIMINARY UTILITY RELOCATIONS

## SHEET INDEX

| Sheet No. | Description               |
|-----------|---------------------------|
| 13(2)     | 16" Water Line Relocation |
| 13(3)     | 16" Water Line Relocation |
| 13(4)     | 6" Gas Line Relocation    |
| 13(5)     | 6" Gas Line Relocation    |
| 13(6)     | 24" Water Line Relocation |

| REVISED   | STATE | STATE   |                               | SHEET NO. |
|---|-------|---|-------------------------------|-----------|
|   | ROUTE | PROJECT   |                               |           |
|   | VA.   |   | 6007-053-S96, RW-501<br>C-501 | 13(1)     |
| 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<br>(Location), Virginia<br>(TECHNICAL DISCIPLINE)   |       | VDOT (Division) or Co. Name<br>(Location), Virginia<br>(TECHNICAL DISCIPLINE) |                               |           |



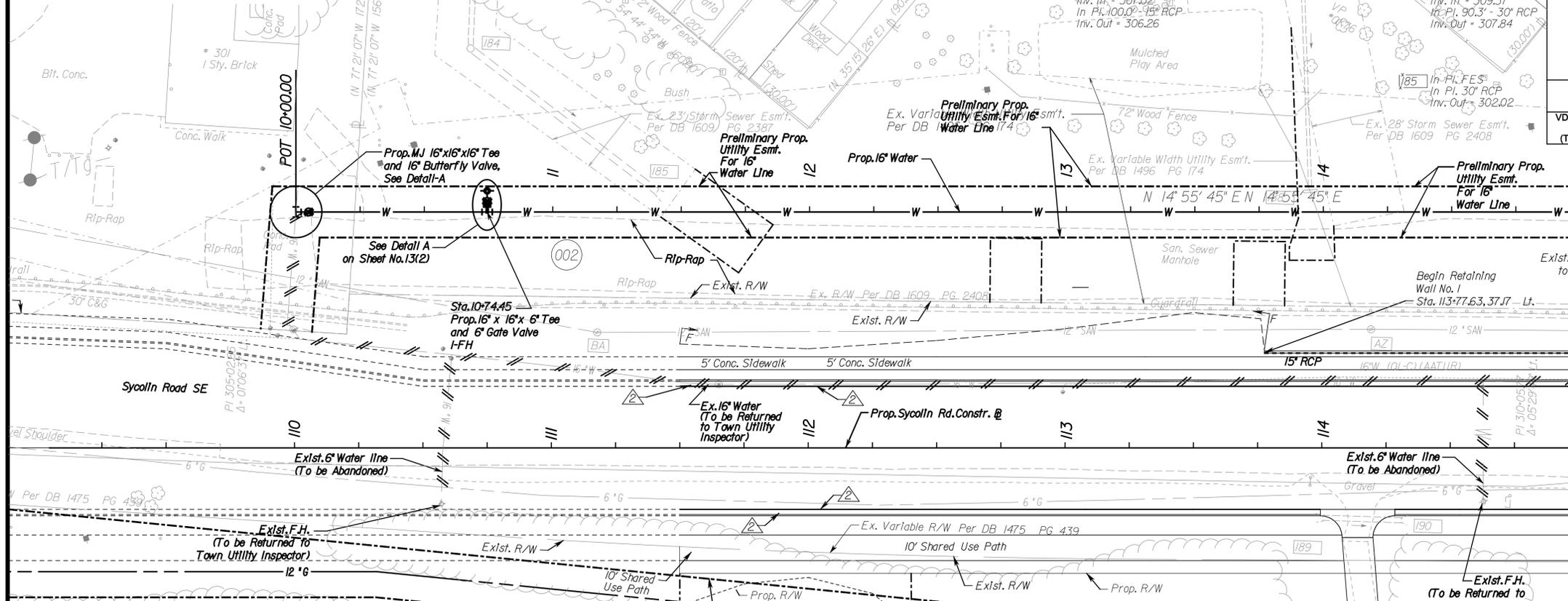
**PRELIMINARY**

**RFP PLANS  
For Information  
Only**

**DATE: JULY 2012**

|                         |                    |
|-------------------------|--------------------|
| PROJECT<br>6007-053-S96 | SHEET NO.<br>13(1) |
|-------------------------|--------------------|

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
 SURVEYED BY: RICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY: JDOT  
 DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

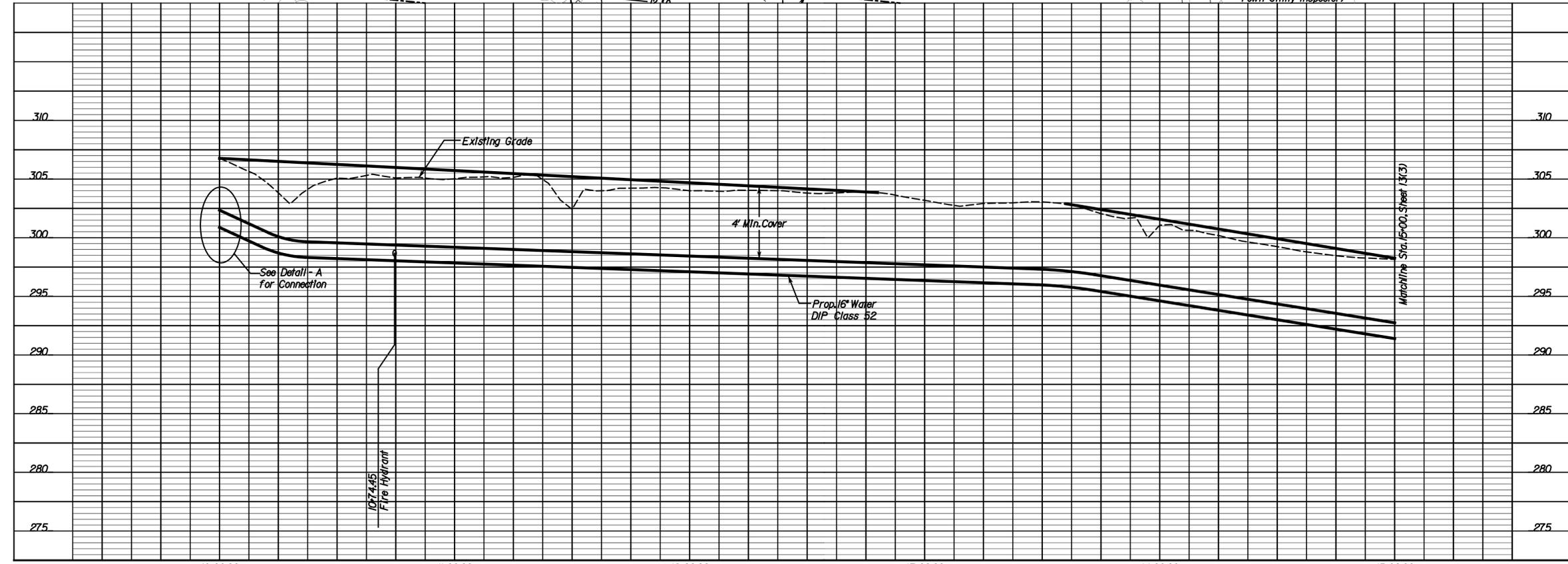
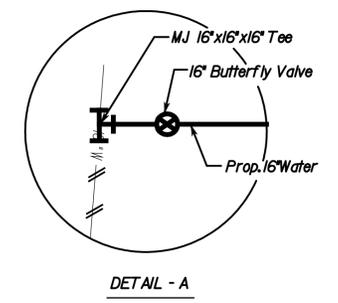


| REVISED | STATE | ROUTE | PROJECT                    | SHEET NO. |
|---------|-------|-------|----------------------------|-----------|
|         | VA.   |       | 6007-053-S96, RW-201 C-501 | 13(2)     |

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

**PRELIMINARY EASEMENTS FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGES AS PROJECT DESIGN IS FINALIZED**

- LEGEND:**
- Ex. Water (To be Removed or Abandoned at The Discretion of The Town's Utility Inspector) And Approval by VDOT.
  - Prop. Water
  - Prop. Fire Hydrant
  - Prop. Gate Valve



**PRELIMINARY**  
**RFP PLANS**  
 For Information Only  
**DATE: JULY 2012**

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

|                  |        |
|------------------|--------|
| Mainline Plan    | 3, 4   |
| Mainline Profile | 3A, 4A |

**WATER LINE RELOCATION**

|         |              |           |       |
|---------|--------------|-----------|-------|
| PROJECT | 6007-053-S96 | SHEET NO. | 13(2) |
|---------|--------------|-----------|-------|

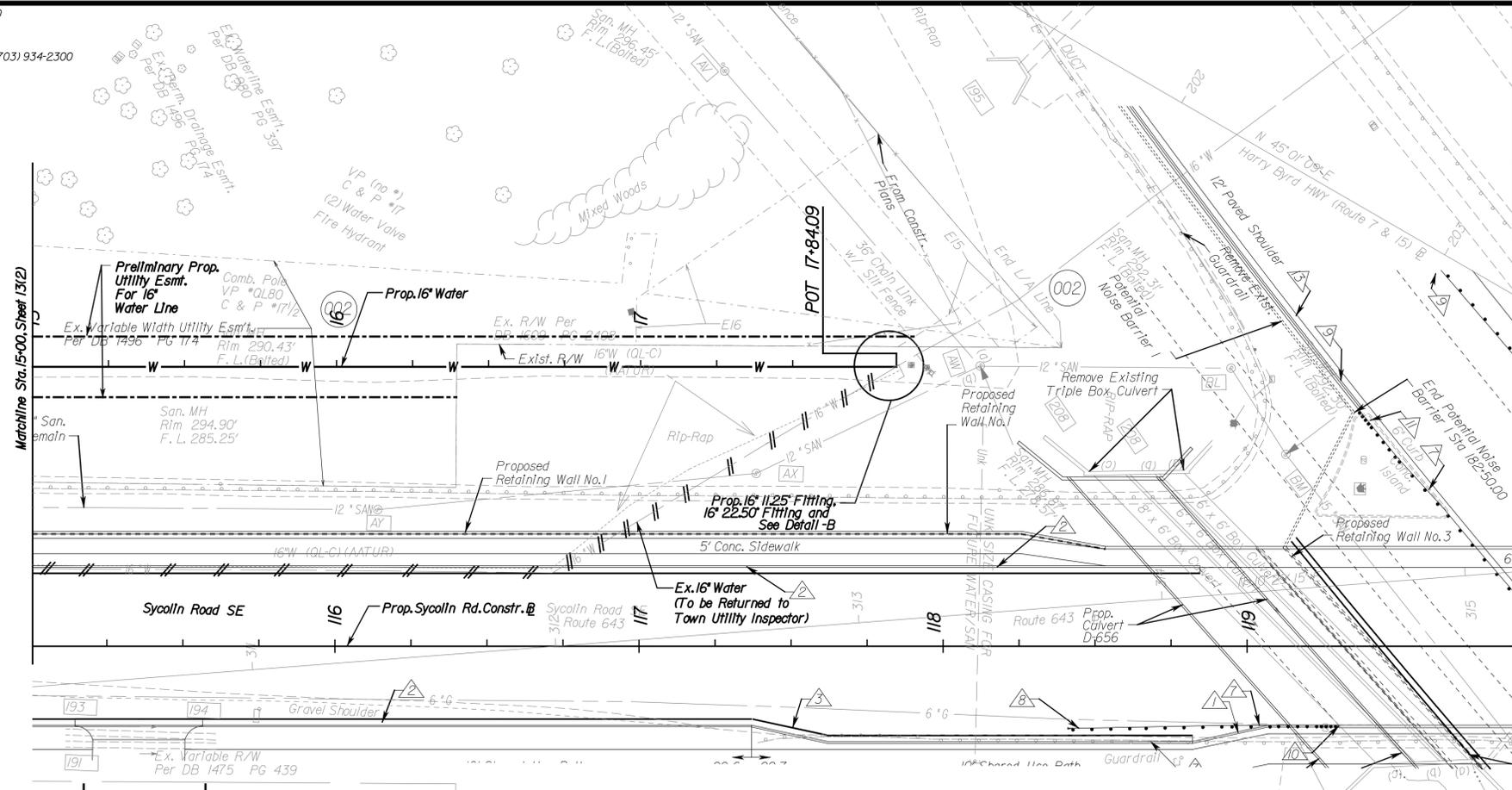
Friday, July 20, 2012 10:02:31 PM

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
SURVEYED BY: JICE ASSOCIATES, INC. (703) 968-3200  
DESIGN SUPERVISED BY: JDOT  
DESIGNED BY: JAGSON'S TRANSPORTATION GROUP, INC. (703) 934-2300

| REVISED | STATE | ROUTE | STATE | PROJECT                       | SHEET NO. |
|---------|-------|-------|-------|-------------------------------|-----------|
|         | VA.   |       |       | 6007-053-S96, RW-201<br>C-501 | 13(3)     |

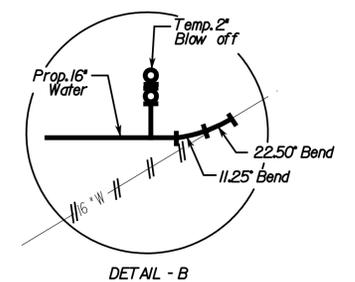
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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



LEGEND:

- 16" W --- Ex. Water (To be Removed or Abandoned at The Discretion of The Town's Utility Inspector) And Approval by VDOT.
- W --- Prop. Water

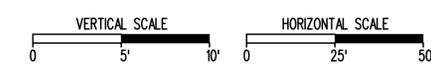
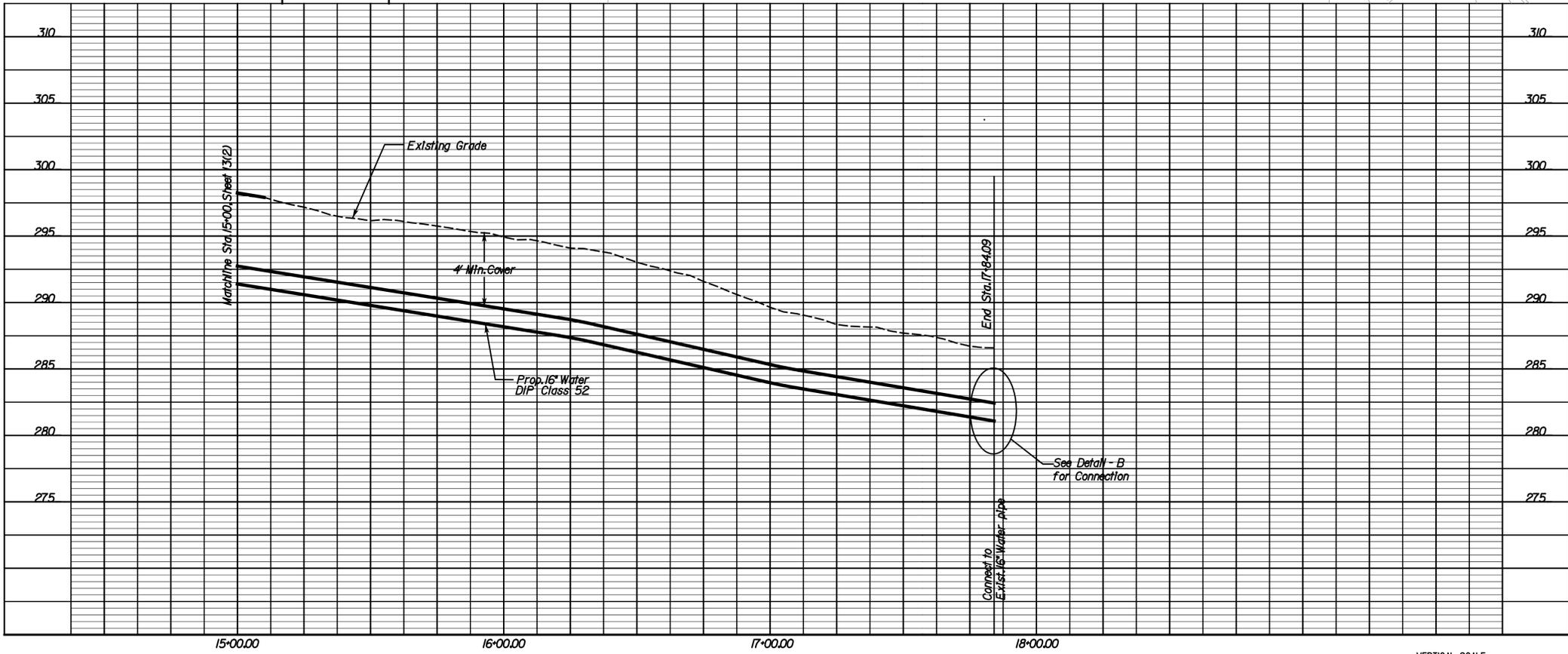


**PRELIMINARY EASEMENTS FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGES AS PROJECT DESIGN IS FINALIZED**

**PRELIMINARY**  
RFP PLANS  
For Information  
Only  
DATE: JULY 2012

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

|                  |        |
|------------------|--------|
| Mainline Plan    | 4, 5   |
| Mainline Profile | 4A, 5A |

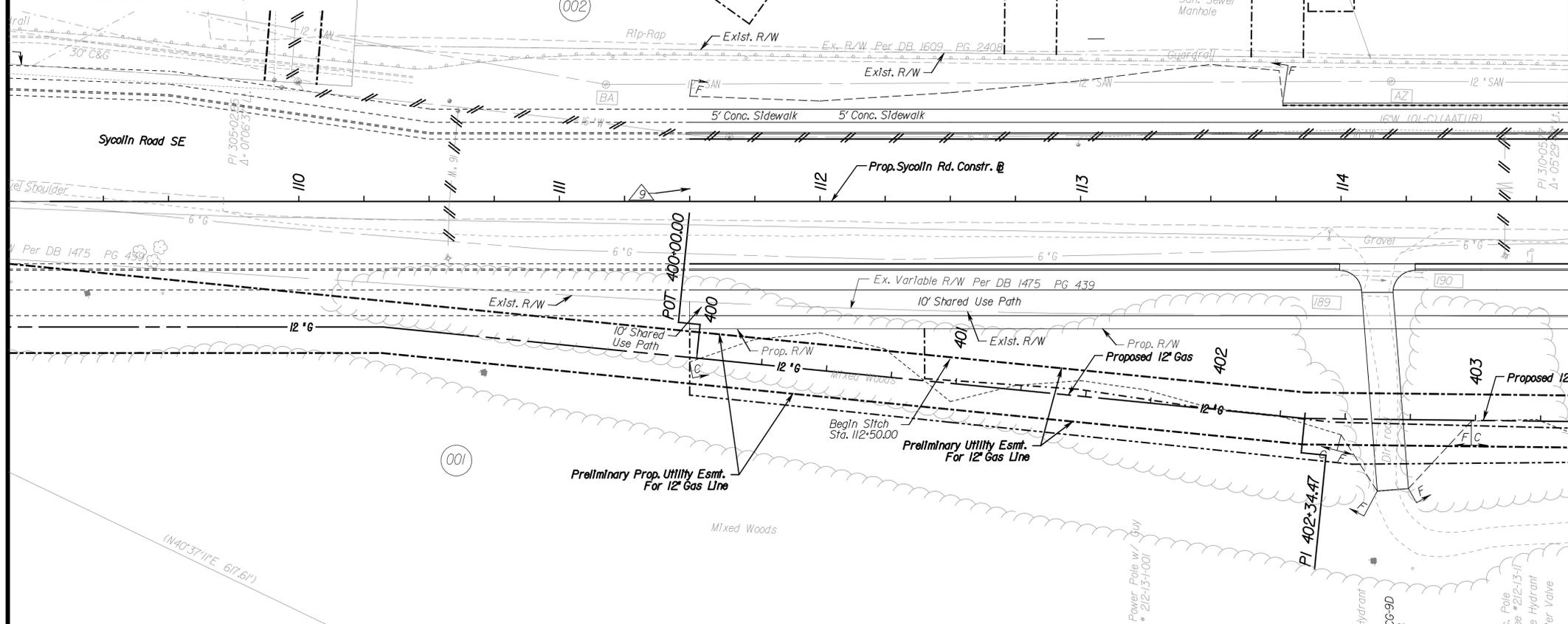


**WATER LINE RELOCATION**

|              |           |
|--------------|-----------|
| PROJECT      | SHEET NO. |
| 6007-053-S96 | 13(3)     |

Friday, July 20, 2012 10:40 PM

PROJECT MANAGER: ARIFUR RAHMAN, P.E. (703) 259-1940  
SURVEYED BY: RICE ASSOCIATES, INC. (703) 968-3200  
DESIGN SUPERVISED BY: VDOT  
DESIGNED BY: PAGOONS TRANSPORTATION GROUP, INC. (703) 934-2300



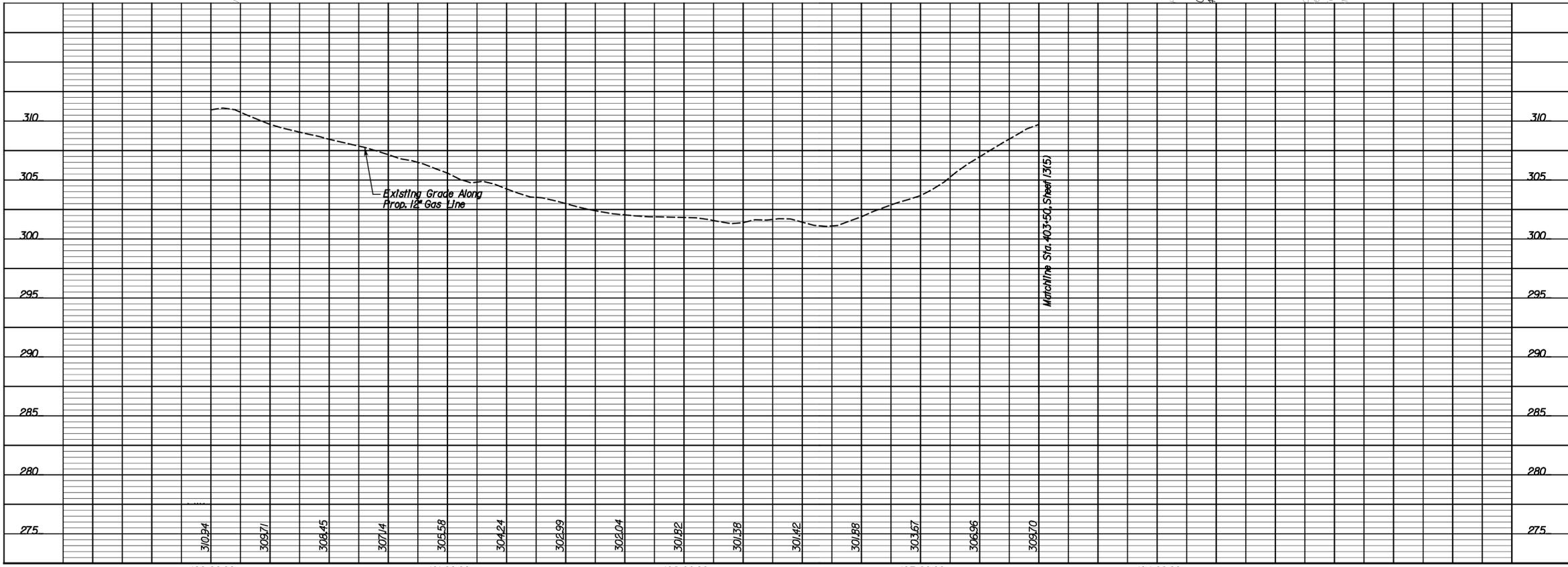
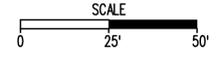
|         |       |       |       |                            |           |
|---------|-------|-------|-------|----------------------------|-----------|
| REVISED | STATE | ROUTE | STATE | PROJECT                    | SHEET NO. |
|         | VA.   |       |       | 6007-053-S96, RW-201 C-501 | 13(4)     |

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)

LEGEND:  
— 12'6" — 12'6" — Prop. Gas

PRELIMINARY EASEMENTS FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGES AS PROJECT DESIGN IS FINALIZED

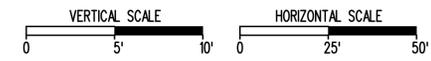


**PRELIMINARY**  
RFP PLANS  
For Information Only  
DATE: JULY 2012

| REFERENCES<br>(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.) |        |
|--|--------|
| Mainline Plan  | 3, 4   |
| Mainline Profile   | 3A, 4A |

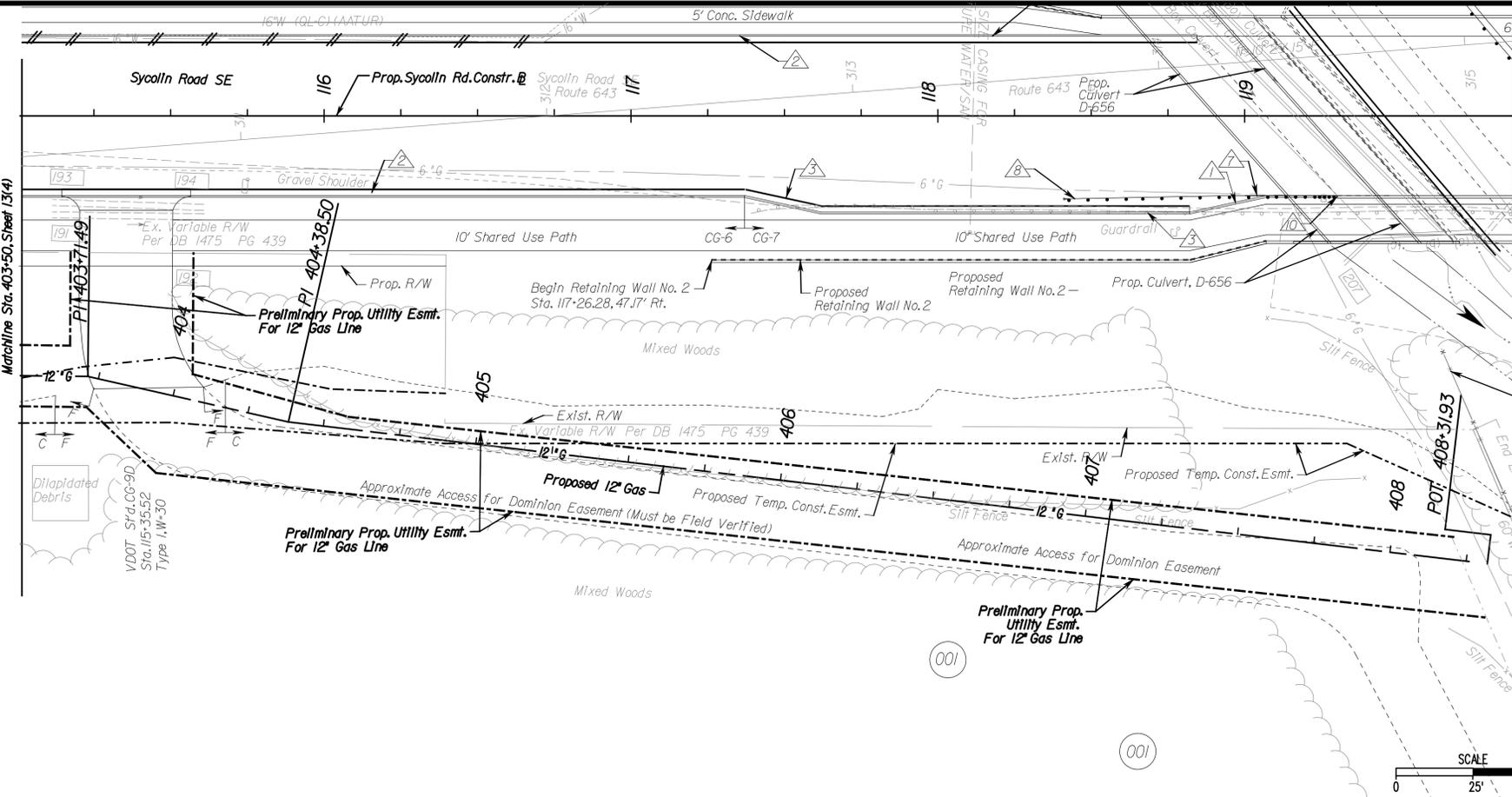
**GAS LINE RELOCATION**

|              |           |
|--------------|-----------|
| PROJECT      | SHEET NO. |
| 6007-053-S96 | 13(4)     |



Friday, July 20, 2012 10:53 PM

PROJECT MANAGER: ABIFUR, RAHMAN, P. E. (703) 259-1940  
SURVEYED BY: RICE, ASSOCIATES, INC. (703) 968-3200  
DESIGN SUPERVISED BY: VDOT  
DESIGNED BY: PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300



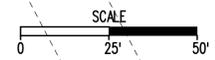
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| REVISED | STATE | ROUTE | STATE PROJECT              | SHEET NO. |
|         | VA.   |       | 6007-053-S96, RW-201 C-501 | 13(5)     |

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)

LEGEND:  

 12" G — 12" G — Prop. Gas

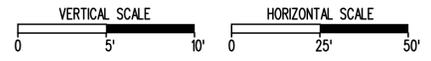
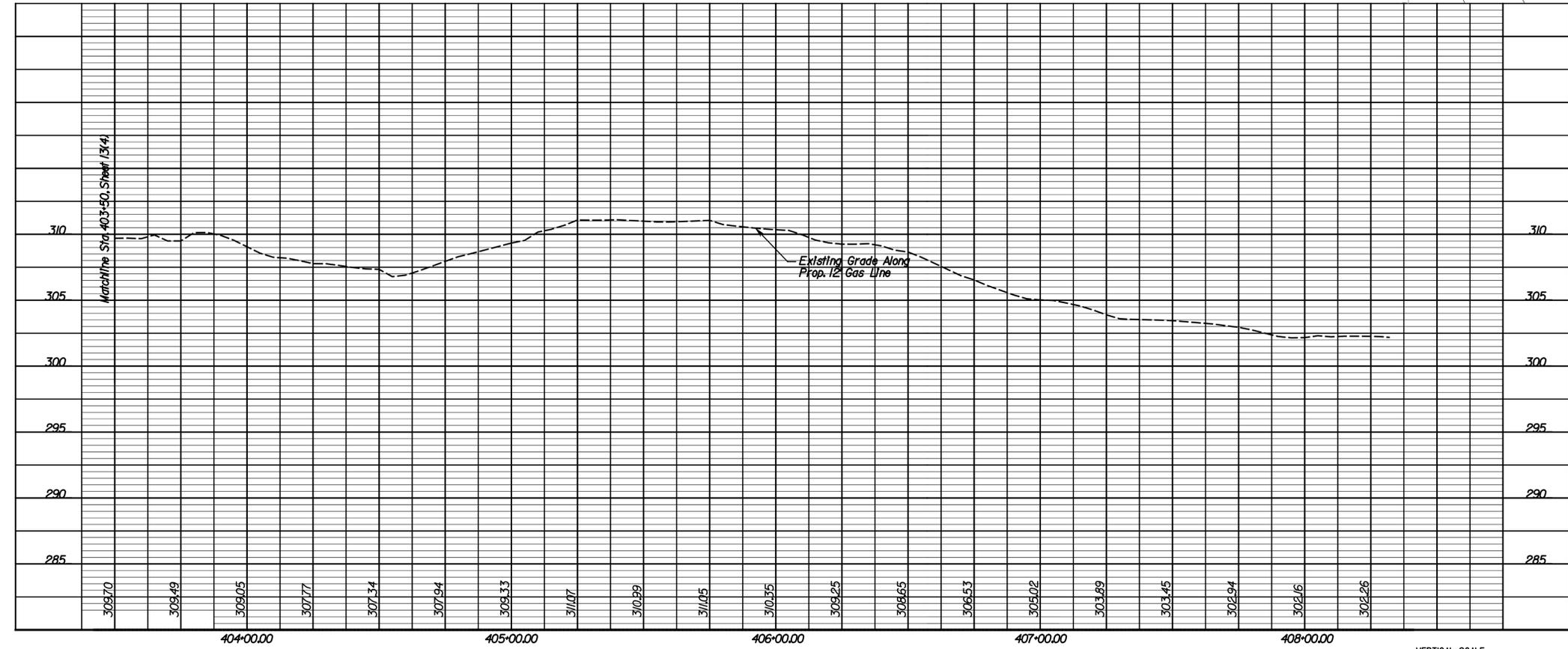


PRELIMINARY EASEMENTS FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE AS PROJECT DESIGN IS FINALIZED

PRELIMINARY  
 RFP PLANS  
 For Information Only  
 DATE: JULY 2012

| REFERENCES<br>(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.) |        |
|--|--------|
| Mainline Plan  | 4, 5   |
| Mainline Profile   | 4A, 5A |

GAS LINE RELOCATION



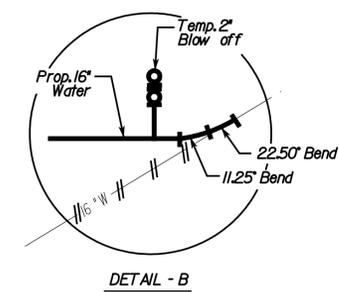
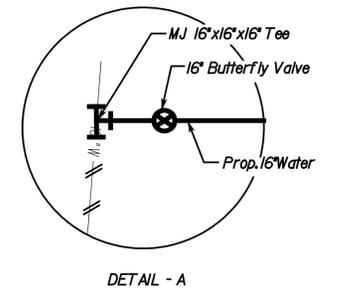
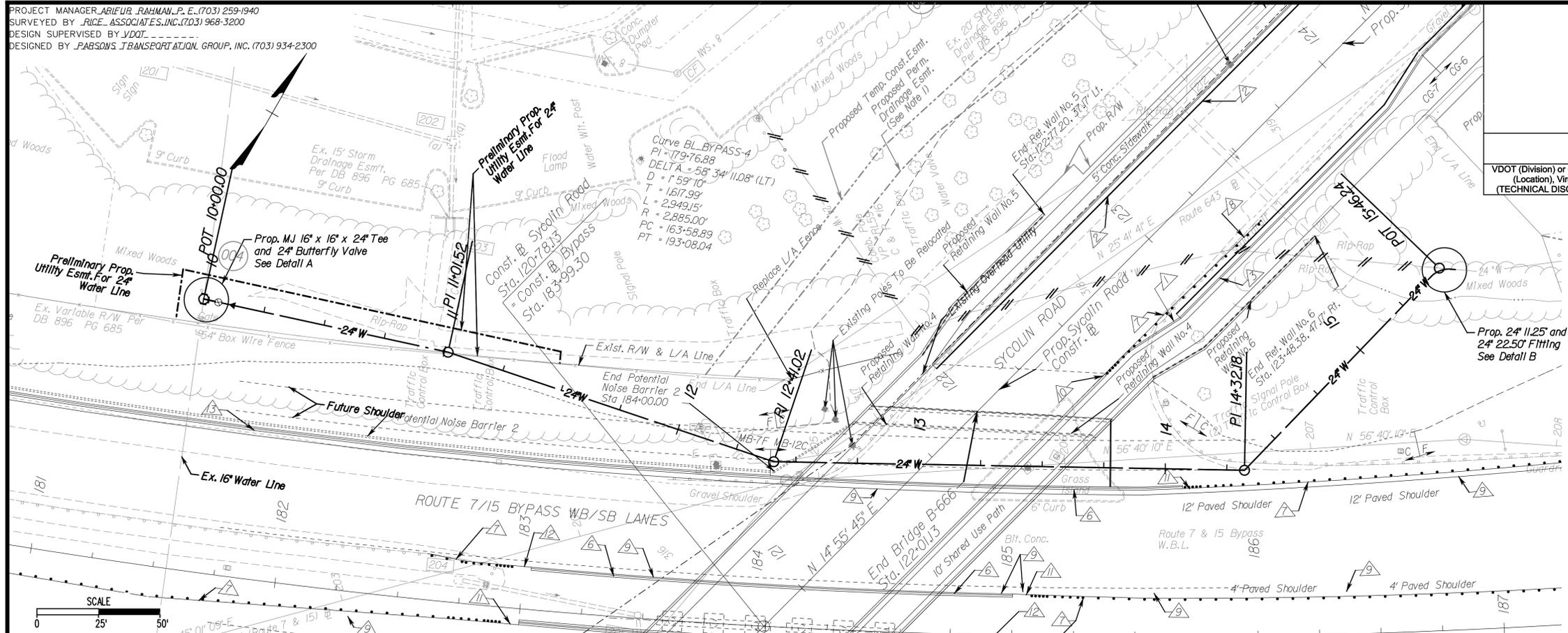
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|--------------|-----------|
| PROJECT      | SHEET NO. |
| 6007-053-S96 | 13(5)     |

PROJECT MANAGER ABIFUR RAHMAN, P.E. (703) 259-1940  
 SURVEYED BY JICE ASSOCIATES, INC. (703) 968-3200  
 DESIGN SUPERVISED BY JDOT  
 DESIGNED BY PARSONS TRANSPORTATION GROUP, INC. (703) 934-2300

| REVISED | STATE | ROUTE | STATE PROJECT                 | SHEET NO. |
|---------|-------|-------|-------------------------------|-----------|
|         | VA.   |       | 6007-053-S96, RW-201<br>C-501 | 13(6)     |

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



**LEGEND:**

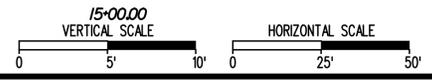
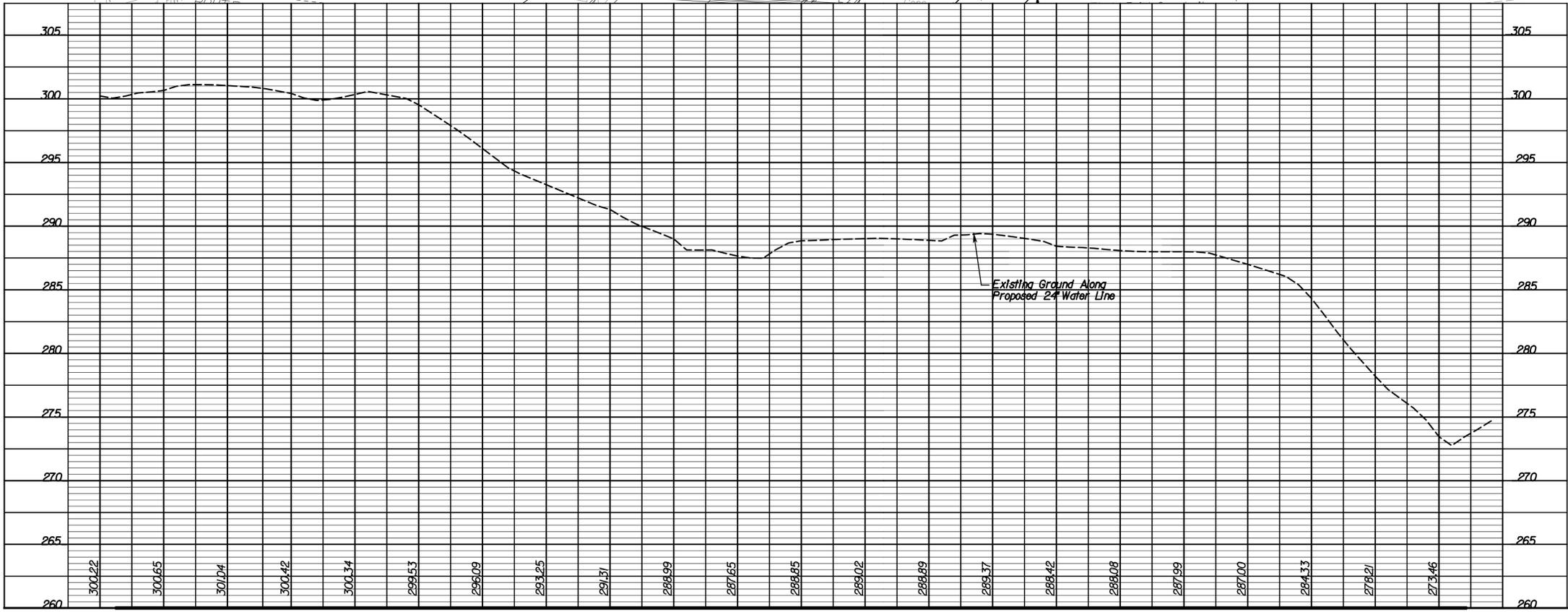
- 24" W --- Ex. Water (To be Removed or Abandoned at the Discretion of the Town's Utility Inspector) And Approval by VDOT.
- W — Prop. Water
- ⊙ Prop. Gate Valve

**PRELIMINARY EASEMENTS FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGES AS PROJECT DESIGN IS FINALIZED**

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

|                  |        |
|------------------|--------|
| Mainline Plan    | 5, 6   |
| Mainline Profile | 5A, 6A |



**WATE LINE RELOCATION**

|              |           |
|--------------|-----------|
| PROJECT      | SHEET NO. |
| 6007-053-S96 | 13(6)     |

|                                     |               |   |           |
|-------------------------------------|---------------|---|-----------|
| STATE                               | FEDERAL AID   | STATE                                     | SHEET NO. |
| VA.                                 | PROJECT       | ROUTE                                     | PROJECT   |
|                                     | STP-5A01(229) | 6007-053-S96, B666                        | 14(1)     |
| NBIS Number: 2538023-00000000029947 |               | UPC No. 99256                             |           |
| Federal Oversight Code: NFO         |               | FHWA Construction and Scour Code: X271-SN |           |

**DESIGN EXCEPTION(S):**

None.

**GENERAL NOTES:**

Width: 6'-0" sidewalk, 52'-0" roadway, 14'-0" shared use path. Overall width 52'-0" face of sidewalk curb to face of rail.

Span layout: 144'-2"-120'-6" continuous steel plate girder spans.

Capacity: HL-93 loading.

**Specifications:**

Construction: Virginia Department of Transportation Road and Bridge Specifications, 2007.

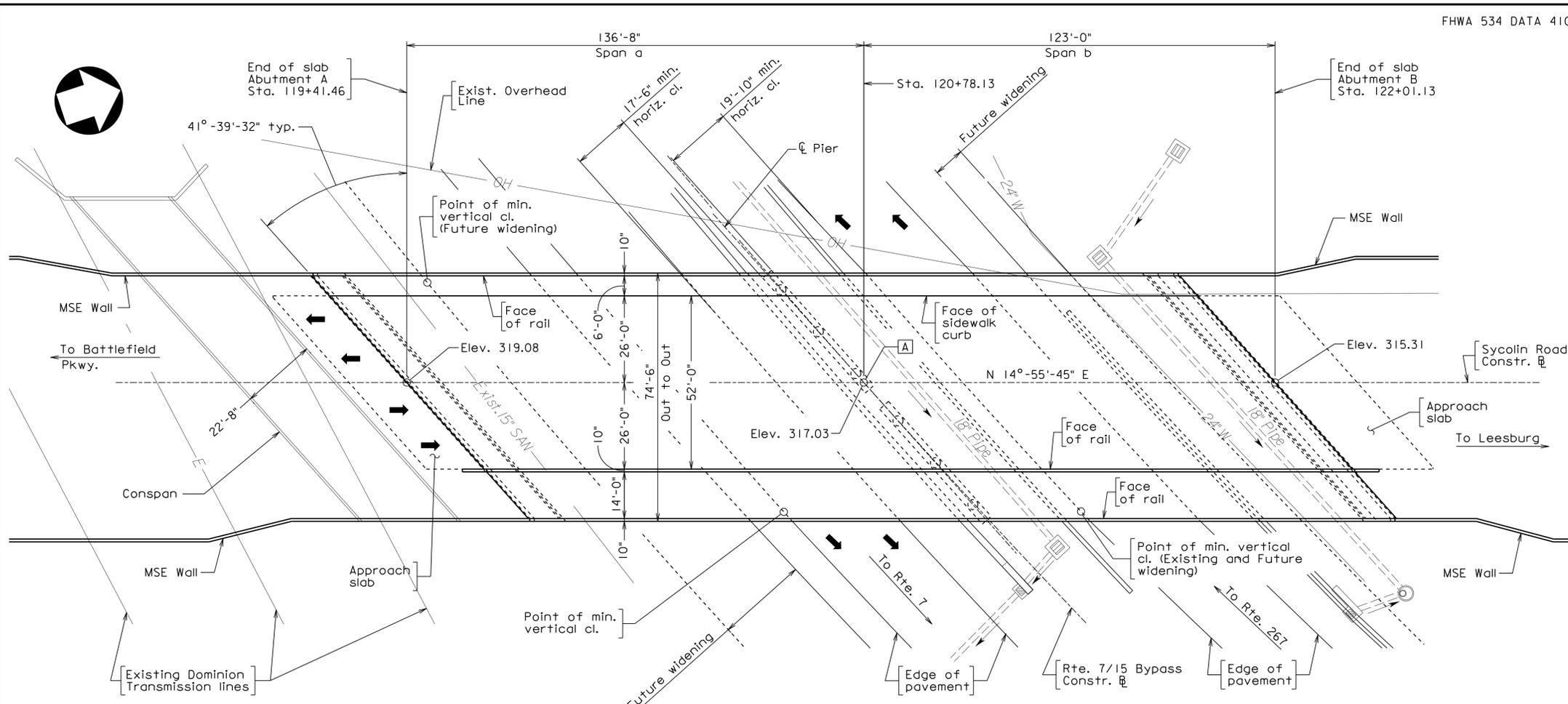
Design: AASHTO LRFD Bridge Design Specifications, 5th Edition, 2010; 2010 Interim Specifications; and VDOT Modifications.

Standard: Virginia Department of Transportation Road and Bridge Standards, 2008.

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

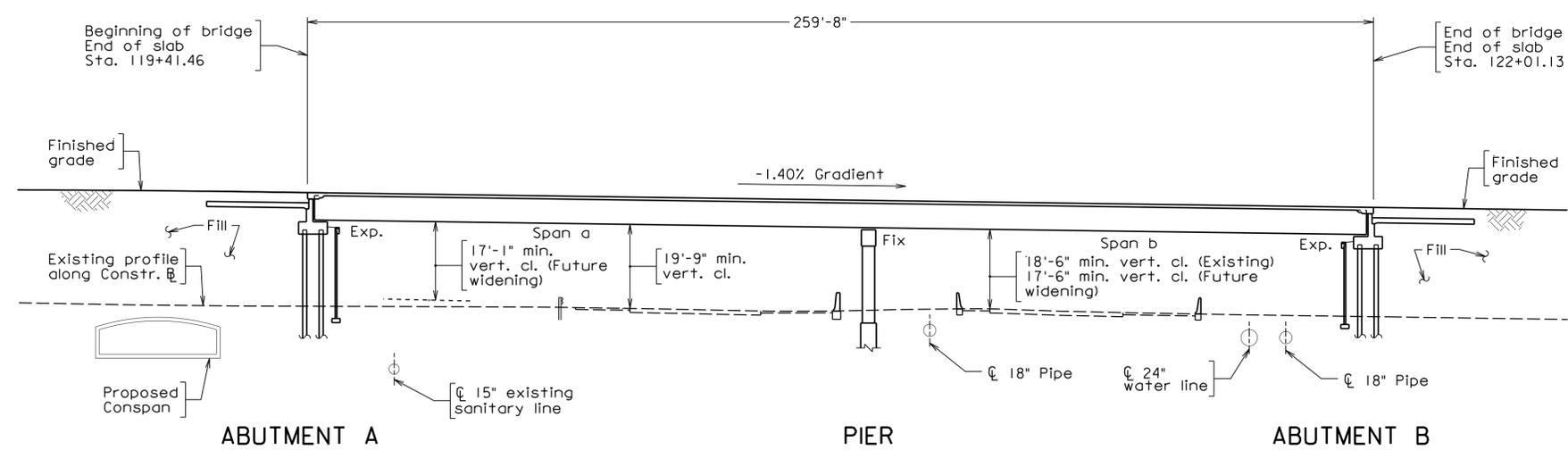
**Note to Offerors:**  
 These plans depict the approximate location and a concept of the proposed structure. The bridge geometrics, span lengths, type and size of superstructure members and substructure elements and maintenance of traffic are to be developed by the Offeror.

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



**PLAN**

**Tie stations:**  
 A POT Sta. 120+78.13 Sycolin Road Constr.  $\square$   
 POC Sta. 183+99.30 Rte. 7/15 Bypass Constr.  $\square$   
 $\Delta = 41^\circ-39'-32"$  Rt.



**DEVELOPED SECTION ALONG CONSTR.  $\square$**

**VDOT**  
 COMMONWEALTH OF VIRGINIA  
 DEPARTMENT OF TRANSPORTATION  
 PROPOSED BRIDGE ON  
 SYCOLIN ROAD OVER RTE. 7/15 BYPASS  
 TOWN OF LEESBURG - 0.6 MI. N. OF RTE. 654  
 PROJ. 6007-053-S96, B666

|              |            |
|--------------|------------|
| PLANS BY:    | Consultant |
| COORDINATED: |            |
| SUPERVISED:  |            |
| DESIGNED:    |            |
| DRAWN:       |            |
| CHECKED:     |            |



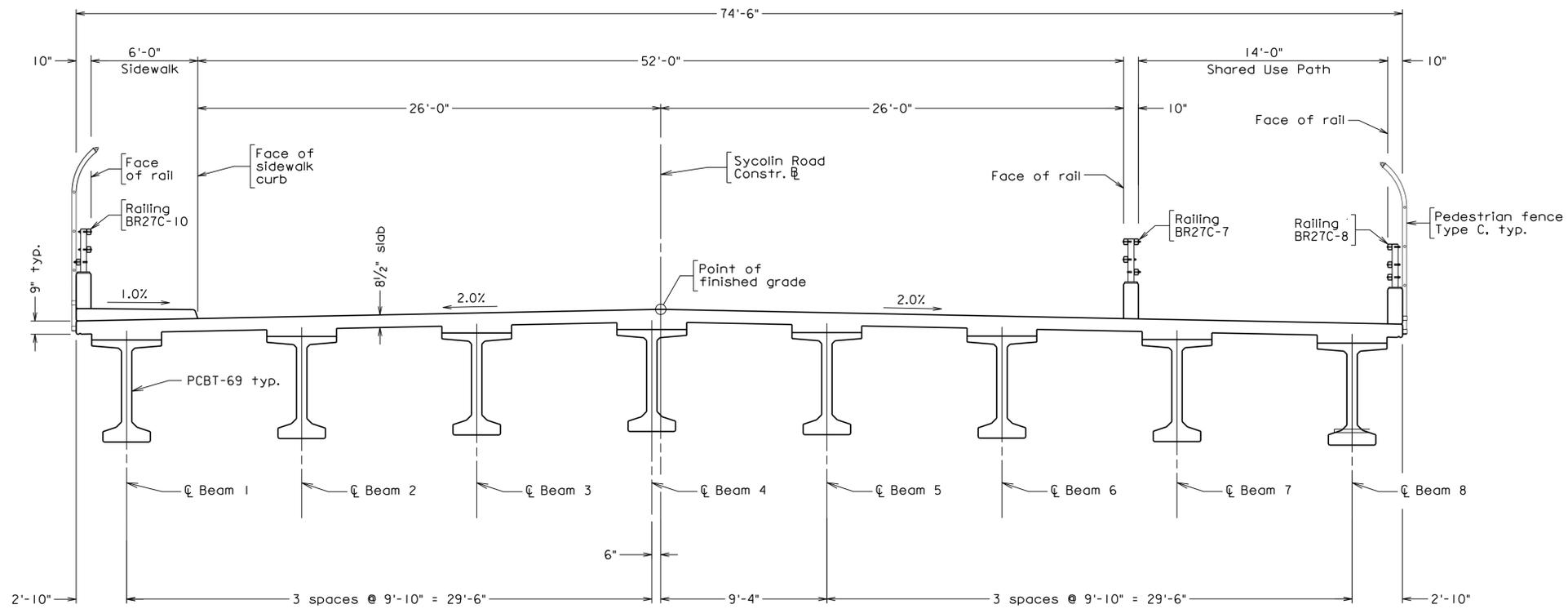
Scale: 1" = 20'-0"

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

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

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

|       |               |       |                    |
|-------|---------------|-------|--------------------|
| STATE | FEDERAL AID   | STATE | SHEET NO.          |
| ROUTE | PROJECT       | ROUTE | PROJECT            |
| VA.   | STP-5A01(229) | 643   | 6007-053-S96, B666 |
|       |               |       | 14(2)              |



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

TRANSVERSE SECTION

b29199002R1.dgn

ATHAVALE, LYSTAD & ASSOC. Inc.  
 McLean, Virginia  
 STRUCTURAL ENGINEER

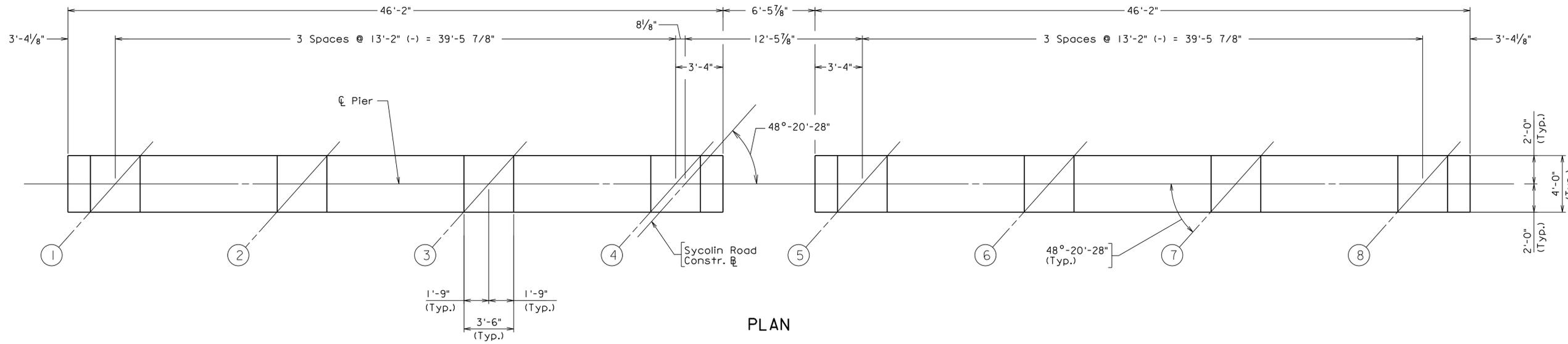


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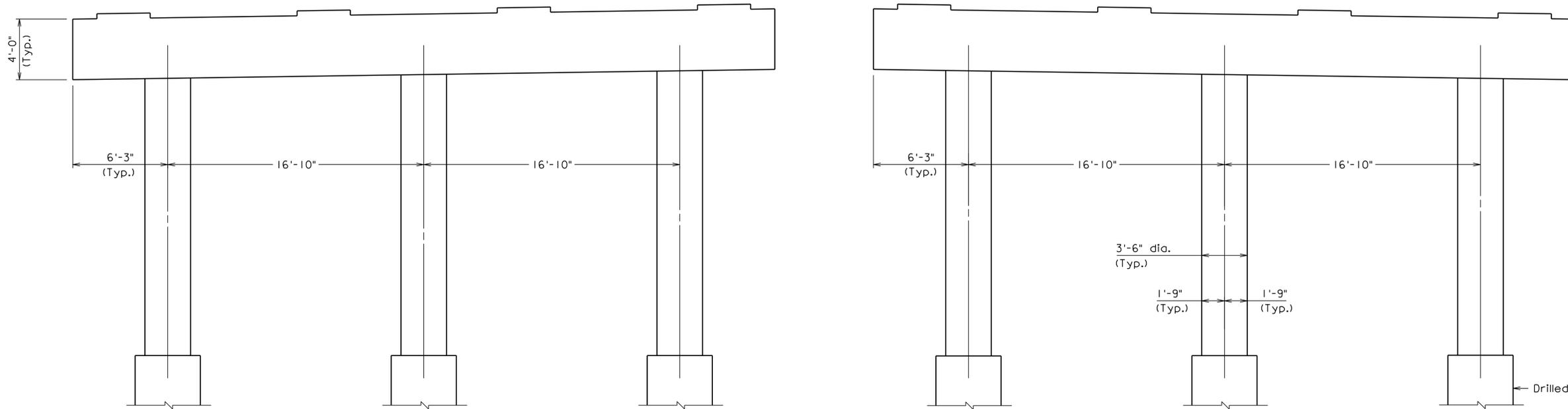
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|  |               |               |                  |
|--|---------------|---------------|------------------|
| COMMONWEALTH OF VIRGINIA<br>DEPARTMENT OF TRANSPORTATION |               |               |                  |
| STRUCTURE AND BRIDGE DIVISION                            |               |               |                  |
| TRANSVERSE SECTION                                       |               |               |                  |
| No.  | Description   | Date          | Revisions        |
| Designed: D.P.W.   | Drawn: D.P.W. | Checked: M.A. | Date: April 2012 |
| Plan No.   | 291-99        | Sheet No.     | 14(2)            |

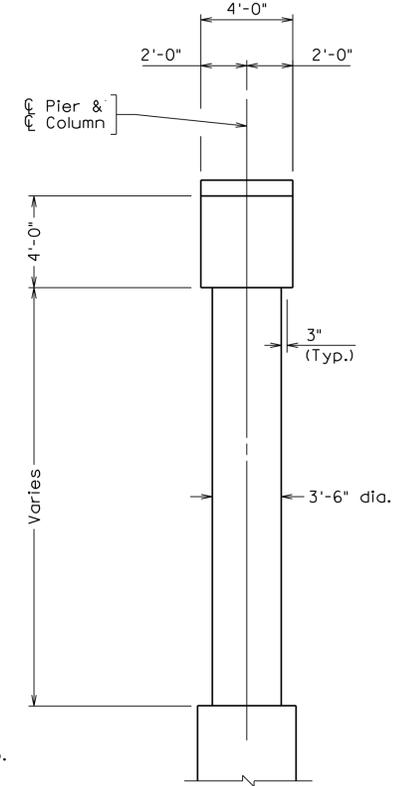
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| STATE | FEDERAL AID   | STATE | SHEET NO.          |
| VA.   | PROJECT       | ROUTE | PROJECT            |
|       | STP-5A01(229) | 643   | 6007-053-S96, B666 |



PLAN



ELEVATION



END VIEW

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



|   |             |          |           |
|---|-------------|----------|-----------|
| COMMONWEALTH OF VIRGINIA<br>DEPARTMENT OF TRANSPORTATION<br>STRUCTURE AND BRIDGE DIVISION |             |          |           |
| PIER PLAN AND ELEVATION   |             |          |           |
| No.   | Description | Date     | Revisions |
| Designed: D.P.W.  | Date        | Plan No. | Sheet No. |
| Drawn: M.A.   | April 2012  | 291-99   | 14(3)     |
| Checked: M.A.   |             |          |           |

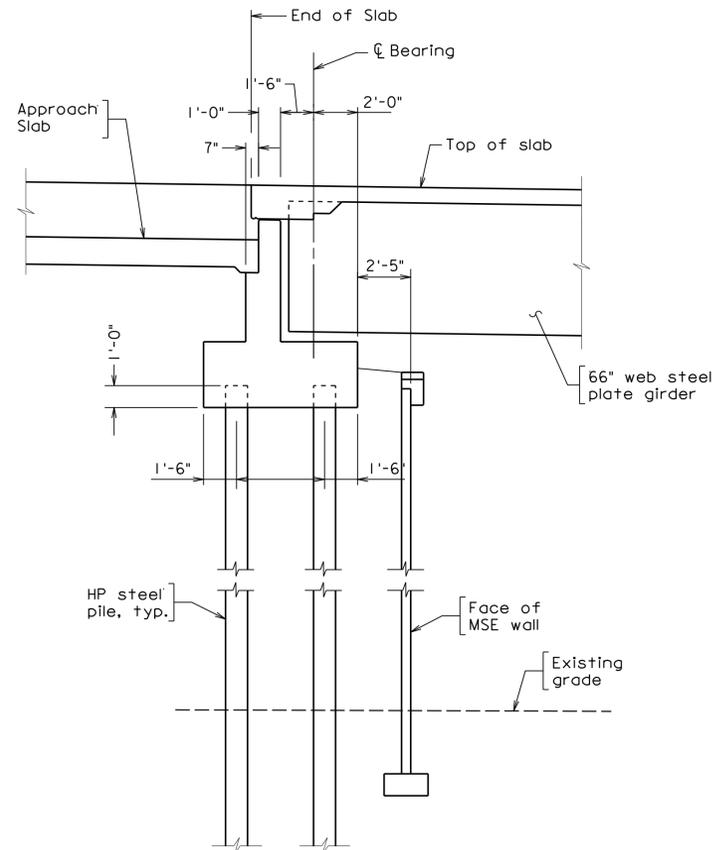
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McLean, Virginia  
STRUCTURAL ENGINEER

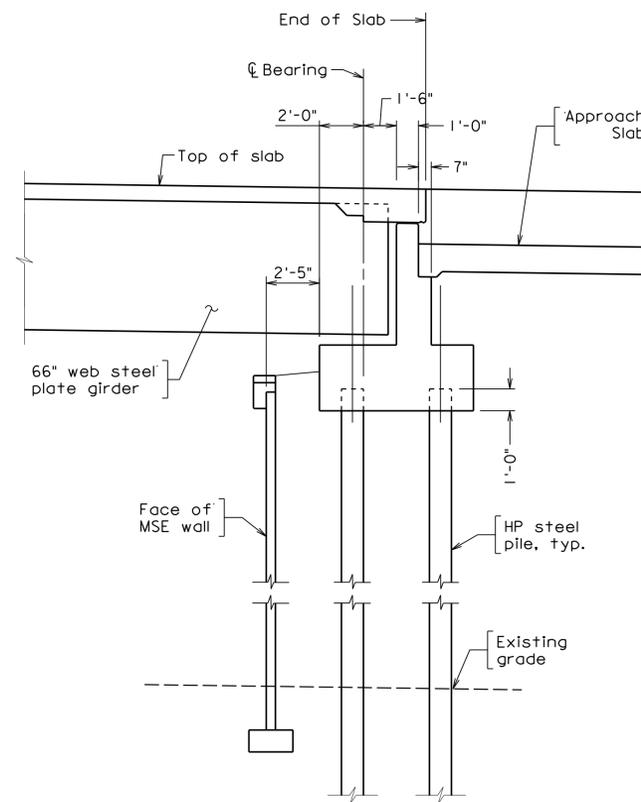
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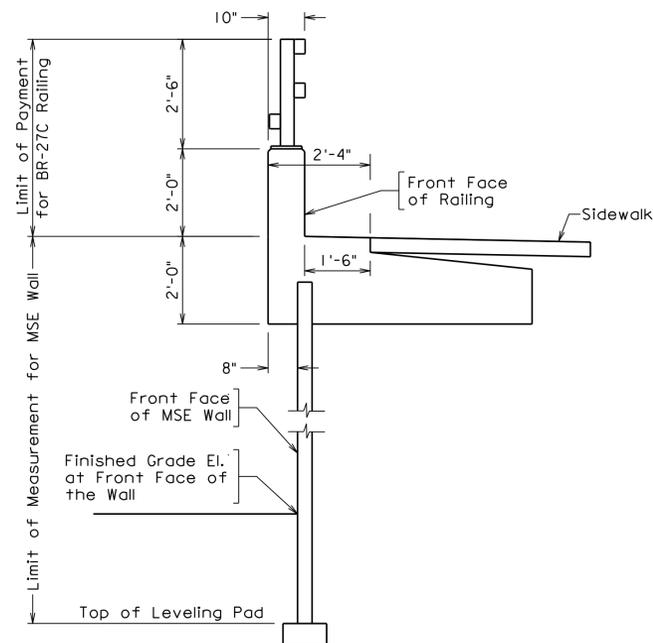
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| STATE | FEDERAL AID   |  | STATE |                    | SHEET |
| ROUTE | PROJECT       |  | ROUTE | PROJECT            | NO.   |
| VA.   | STP-5A01(229) |  | 643   | 6007-053-S96, B666 | 14(4) |



ABUTMENT A SECTION

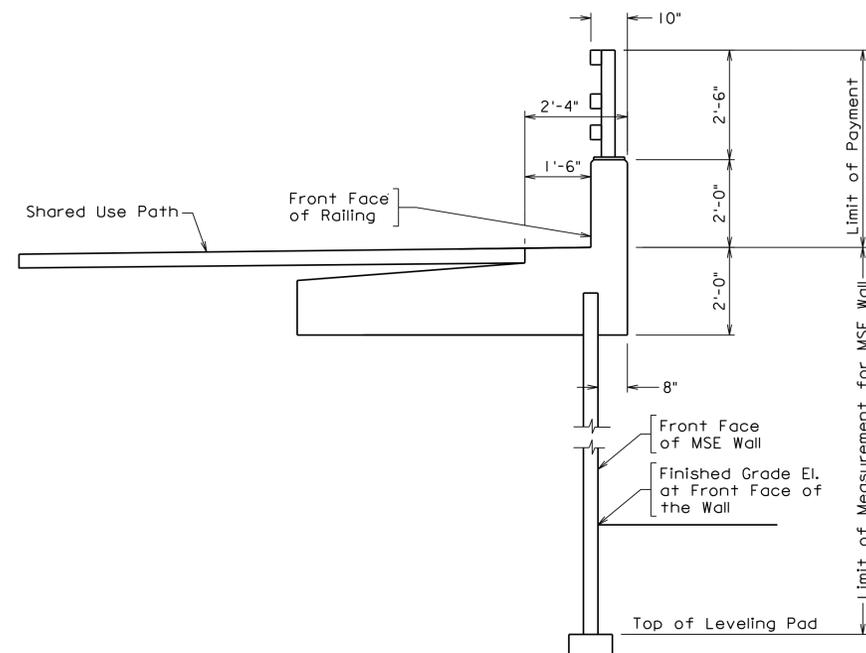


ABUTMENT B SECTION



TYPICAL WINGWALL SECTION FOR SIDEWALK

Scale: 1/2" = 1'-0"



TYPICAL WINGWALL SECTION FOR SHARED USE PATH

Scale: 1/2" = 1'-0"

Scale: 3/4" = 1'-0" Unless otherwise noted

PRELIMINARY

RFP PLANS  
For Information  
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DATE: JULY 2012

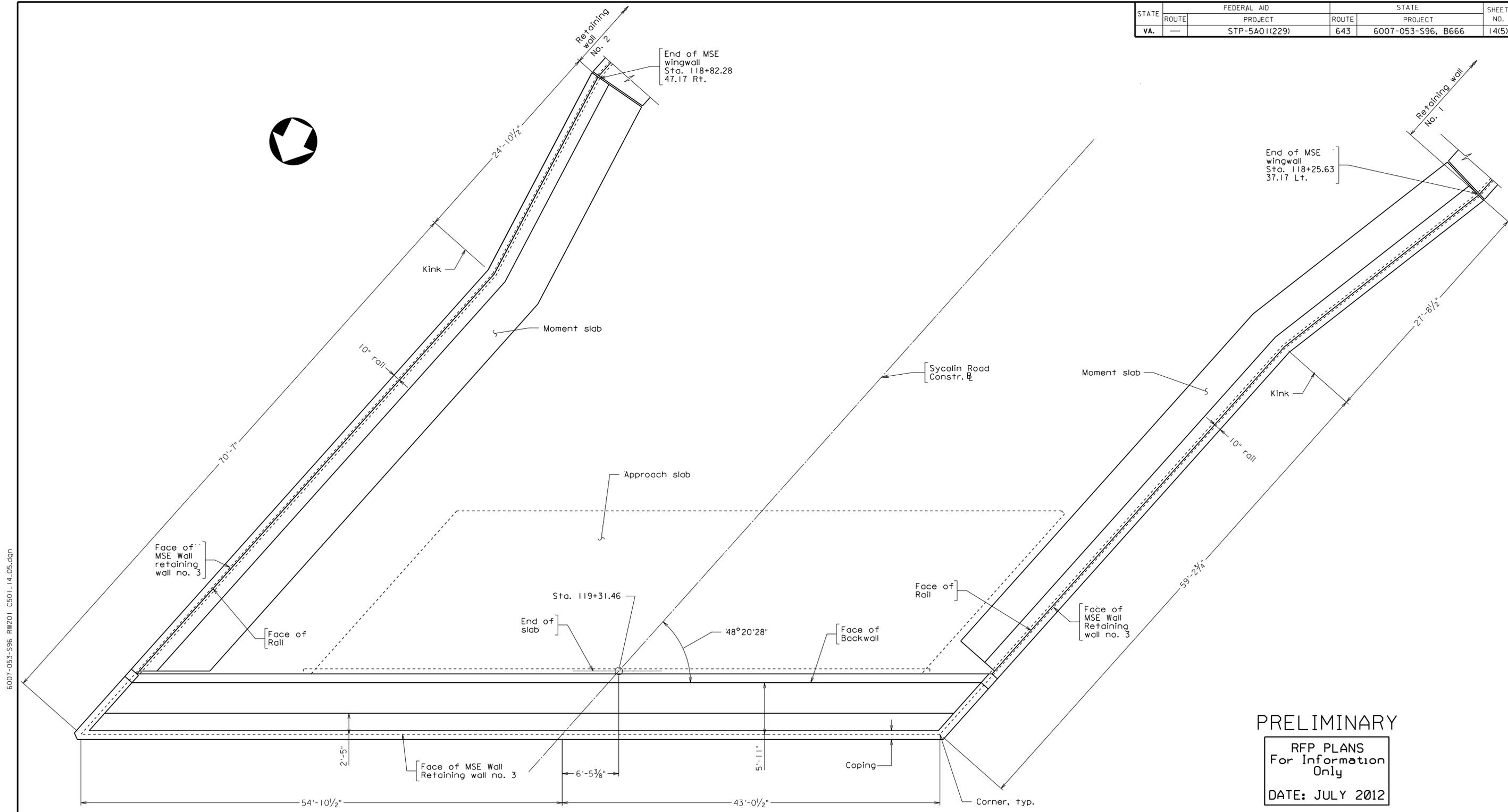
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|     |             |      | COMMONWEALTH OF VIRGINIA<br>DEPARTMENT OF TRANSPORTATION |            |          |           |
|     |             |      | STRUCTURE AND BRIDGE DIVISION                            |            |          |           |
|     |             |      | ABUTMENT AND<br>WINGWALL SECTIONS                        |            |          |           |
| No. | Description | Date | Designed: D.P.W...                                       | Date       | Plan No. | Sheet No. |
|     | Revisions   |      | Drawn: .....   | April 2012 | 291-99   | 14(4)     |
|     |             |      | Checked: .....   |            |          |           |

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| STATE | FEDERAL AID   |       | STATE              | SHEET |
| ROUTE | PROJECT       | ROUTE | PROJECT            | NO.   |
| VA.   | STP-5A01(229) | 643   | 6007-053-S96, B666 | 14(5) |



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 RFP PLANS  
 For Information  
 Only  
 DATE: JULY 2012

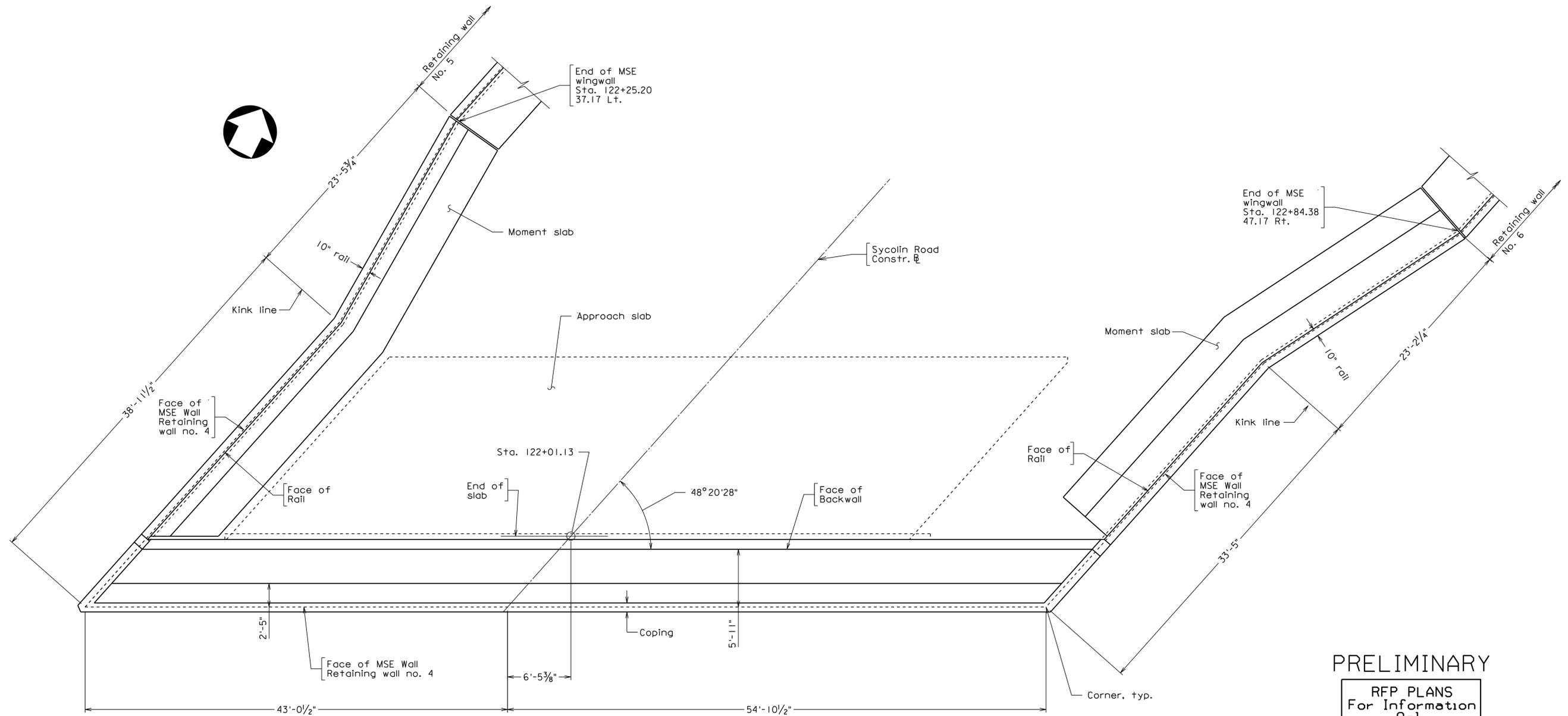
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 McLean, Virginia  
 STRUCTURAL ENGINEER

Scale: 3/16" = 1'-0"

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|           |             |      |  |            |          |           |
|-----------|-------------|------|--|------------|----------|-----------|
|           |             |      | COMMONWEALTH OF VIRGINIA<br>DEPARTMENT OF TRANSPORTATION |            |          |           |
|           |             |      | STRUCTURE AND BRIDGE DIVISION                            |            |          |           |
|           |             |      | <b>MSE WALL AT ABUTMENT A</b>                            |            |          |           |
| No.       | Description | Date | Designed: D.P.W...                                       | Date       | Plan No. | Sheet No. |
|           |             |      | Drawn: D.P.W...  | April 2012 | 291-99   | 14(5)     |
|           |             |      | Checked: D.A.....  |            |          |           |
| Revisions |             |      |  |            |          |           |

| STATE | FEDERAL AID |               | STATE |                    | SHEET |
|-------|-------------|---------------|-------|--------------------|-------|
| VA.   | ROUTE       | PROJECT       | ROUTE | PROJECT            | NO.   |
|       |             | STP-5A01(229) | 643   | 6007-053-S96, B666 | 14(6) |



PLAN

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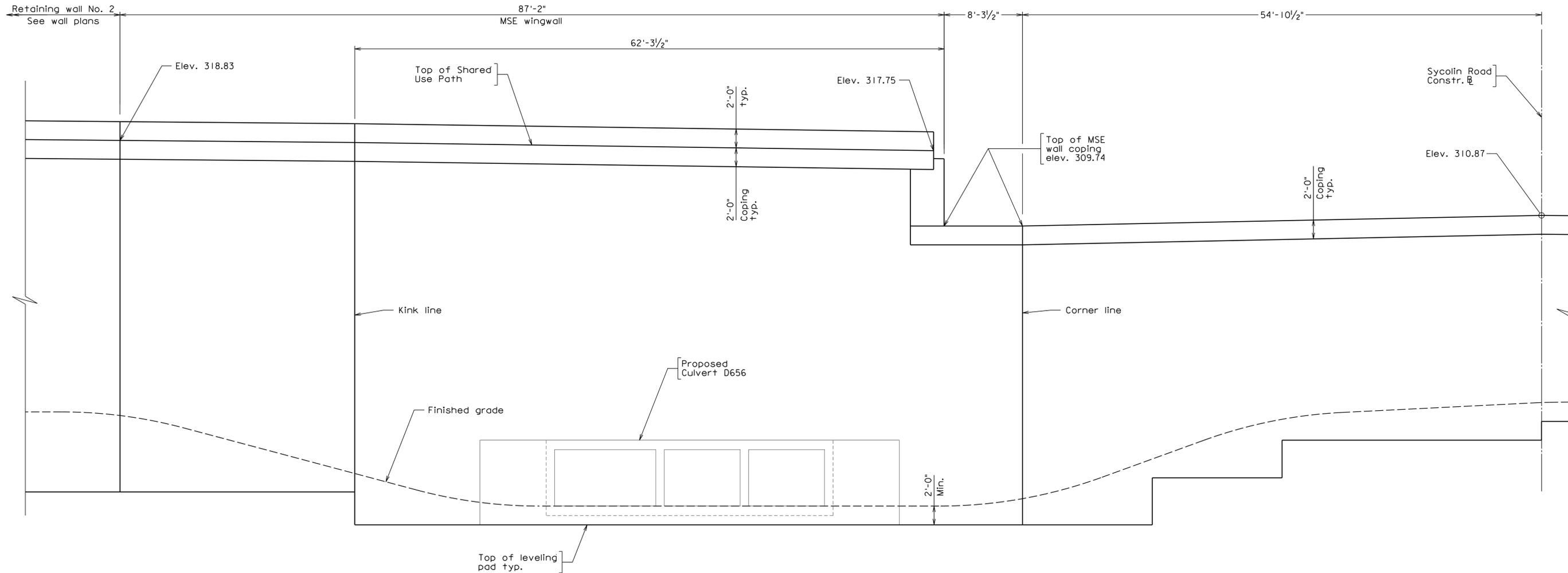
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|     |             |      | STRUCTURE AND BRIDGE DIVISION                            |            |          |           |
|     |             |      | MSE WALL AT ABUTMENT B                                   |            |          |           |
| No. | Description | Date | Designed: D.P.W...                                       | Date       | Plan No. | Sheet No. |
|     | Revisions   |      | Drawn: D.P.W...  | April 2012 | 291-99   | 14(6)     |
|     |             |      | Checked: D.A.A...  |            |          |           |

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|-------|---------------|-------|--------------------|-------|
| STATE | FEDERAL AID   |       | STATE              | SHEET |
| ROUTE | PROJECT       | ROUTE | PROJECT            | NO.   |
| VA.   | STP-5A01(229) | 643   | 6007-053-S96, B666 | 14(7) |

PRELIMINARY

RFP PLANS  
For Information  
Only  
DATE: JULY 2012

6007-053-S96 RW201 C501\_14\_07.dgn



**DEVELOPED MSE WALL ELEVATION  
AT ABUTMENT A**

(Retaining wall no. 3)

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McLean, Virginia  
STRUCTURAL ENGINEER

Scale: 3/16" = 1'-0"

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| STRUCTURE AND BRIDGE DIVISION                            |             |          |           |
| <b>ABUTMENT A MSE WALL<br/>ELEVATION</b>                 |             |          |           |
| No.  | Description | Date     | Revisions |
|  |             |          |           |
| Designed: D.P.W...                                       | Date        | Plan No. | Sheet No. |
| Drawn: D.P.W...  | April 2012  | 291-99   | 14(7)     |
| Checked: D.A.A...  |             |          |           |

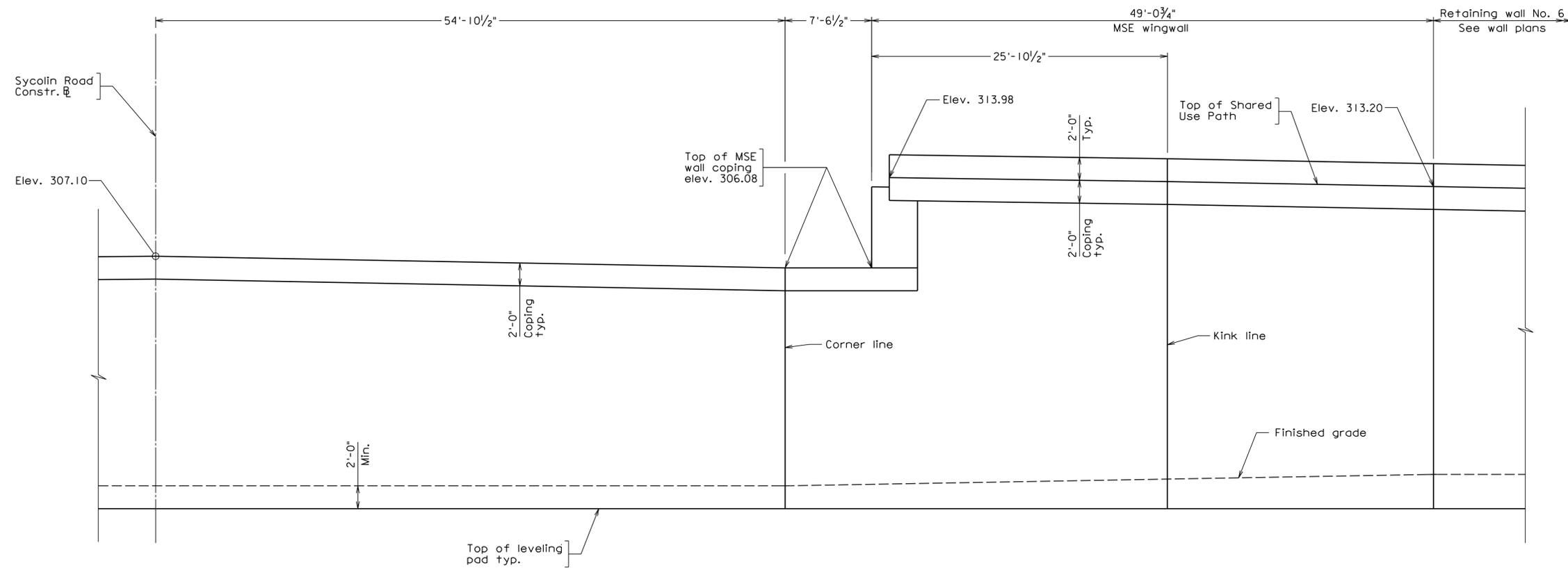




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| STATE | FEDERAL AID   |  | STATE |                    | SHEET  |
| ROUTE | PROJECT       |  | ROUTE | PROJECT            | NO.    |
| VA.   | STP-5A01(229) |  | 643   | 6007-053-S96, B666 | 14(10) |

PRELIMINARY

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DATE: JULY 2012



DEVELOPED MSE WALL ELEVATION  
AT ABUTMENT B

(Retaining wall no. 4)

6007-053-S96 RW201 C501\_14\_10.dgn

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|--|-------------|------------|-----------|
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| STRUCTURE AND BRIDGE DIVISION                            |             |            |           |
| <b>ABUTMENT B MSE WALL<br/>ELEVATION</b>                 |             |            |           |
| No.  | Description | Date       | Revisions |
|  |             |            |           |
| Designed: D.P.W...                                       |             | Date       | Plan No.  |
| Drawn: D.P.W...  |             | April 2012 | 291-99    |
| Checked: D.A.A...  |             |            | 14(10)    |

# MECHANICALLY STABILIZED EARTH WALLS

| STATE | FEDERAL AID |               | STATE |                    | SHEET NO. |
|-------|-------------|---------------|-------|--------------------|-----------|
|       | ROUTE       | PROJECT       | ROUTE | PROJECT            |           |
| VA.   | —           | STP-5A01(229) | 643   | 6007-053-S96, B666 | 14(11)    |

## DESCRIPTION

This work shall consist of furnishing and installing earth retaining systems in accordance with the plans, these specifications and the special provisions.

## GENERAL

Retaining walls shall be designed to withstand lateral earth and water pressures, including any live and dead load surcharge, the self weight of the wall, temperature and shrinkage effects, and earthquake loads.

Retaining walls shall be designed for a service life based on consideration of the potential long-term effects of corrosion, seepage, stray currents and other potentially deleterious environmental factors on each of the material components comprising the wall.

## MECHANICALLY STABILIZED EARTH WALLS

Mechanically stabilized earth (MSE) systems, whose elements may be proprietary, employ metallic (strip- or grid-type) tensile reinforcements in the soil mass, and a discrete modular precast concrete facing which is vertical or near vertical.

The allowable settlement of MSE walls is limited by the longitudinal deformability of the facing and the ultimate purpose of the structure. Limiting tolerable differential settlement for systems with panels less than 30.0 square feet in size and a minimum joint width of 3/4 in. shall be 1/100.

Where foundation conditions indicate large differential settlements over a short horizontal distance, a vertical full-height slip joint shall be provided.

## MECHANICALLY STABILIZED EARTH WALL DESIGN STRUCTURE DIMENSIONS

MSE walls shall be dimensioned to ensure that the minimum factors of safety are:

| Criterion                          | Factor of Safety |
|------------------------------------|------------------|
| Overturning - for footings on soil | ≥ 2.0            |
| - for footings on rock             | ≥ 1.5            |
| Sliding                            | ≥ 1.5            |
| Pullout Resistance                 | ≥ 1.5            |

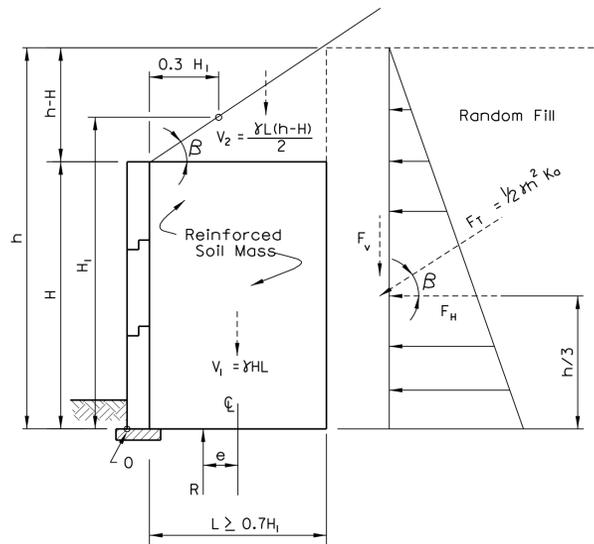


Figure 2 - Infinite Sloping Backfill Case

Soil reinforcement length should be as a minimum 70 percent of the equivalent (mechanical) height,  $H_1$ , as measured from the top of the leveling pad, and not less than 8.0 feet for both strip- or grid-type reinforcement. When the ground surface is level, the angle of the slope equals zero and  $H_1$  equals  $H$ . The reinforcement length should be uniform throughout the entire height of the wall. External loads such as surcharges may increase the minimum reinforcement length.

All walls shall be designed for the following minimum embedment at the front face of the wall unless constructed on rock foundations. The minimum embedment is determined as a function of the height of structure,  $H$ , above the top of the leveling pad.

| Slope in Front of Structures |               | Minimum Embedment * |
|------------------------------|---------------|---------------------|
| Horizontal                   | for walls     | $H/20 \geq 18$ in.  |
|                              | for abutments | $H/10 \geq 24$ in.  |
| 3H:1V                        | walls         | $H/12 \geq 18$ in.  |
| 2H:1V                        | walls         | $H/7 \geq 24$ in.   |
| 1.5H:1V                      | walls         | $H/5 \geq 36$ in.   |

\* The minimum embedment depths for all walls from the adjoining finished ground to the bottom of footings shall be 18 in. or greater based on the prevailing depth of frost penetration and external stability requirement.

\*\*  $H$  as indicated in Figure 1.

A minimum horizontal bench 24 in. wide or greater shall be provided in front of walls founded on slopes. Minimum bench size shall be based on prevailing depth of frost penetration and external stability requirements.

For walls constructed along rivers and streams, foundation depths must be established at a minimum of 24 in. below potential scour depth.

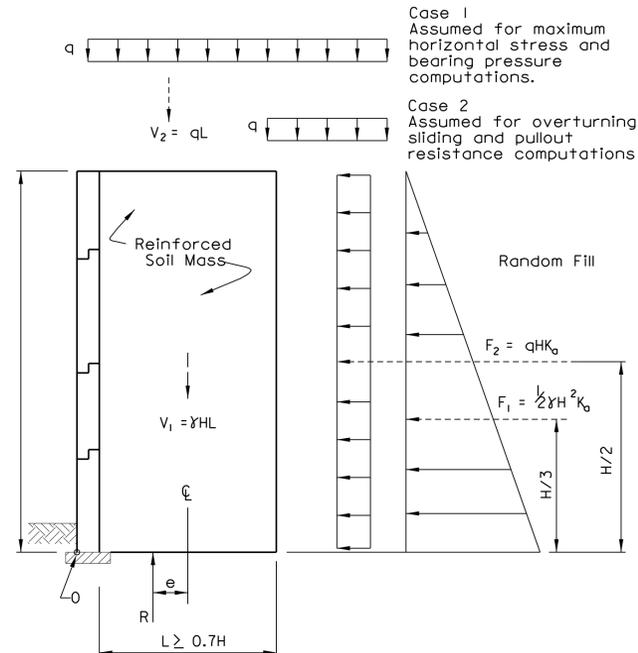


Figure 1 - Horizontal Backslope with Traffic Surcharge

## EXTERNAL STABILITY

Stability computations shall be made by assuming the reinforced soil mass to be a rigid body. The coefficient of active earth pressure,  $K_a$ , used to compute the horizontal force resulting from random backfill behind the reinforced zone and other loads shall be computed on the basis of the friction angle of the random backfill. In the absence of specific data, a maximum friction angle of 30 degrees should be used. The limitation also applies when determining the coefficient of sliding friction at the wall base. In addition to this limitation, the angle of internal friction used to determine the coefficient of sliding friction should be either the friction angle of the backfill soil or the foundation soil, whichever is lower. Passive pressures shall be neglected in stability computations.

The active earth pressure coefficients for random backfill shall be computed as follows:

$$K_a = \cos \beta \frac{\cos \beta - \sqrt{\cos^2 \beta - \cos^2 \theta}}{\cos \beta + \sqrt{\cos^2 \beta - \cos^2 \theta}}$$

except for wall with "Broken Back Backfill" where the formula used shall be:

$$K_a = \cos i \frac{\cos i - \sqrt{\cos^2 i - \cos^2 \theta}}{\cos i + \sqrt{\cos^2 i - \cos^2 \theta}}$$

External stability shall be based on the following design parameters:

|                  |  |
|------------------|--|
| Random Backfill: | Unit Weight = 125.0 PCF<br>$\theta = 30^\circ$ C = 0 |
| Select Backfill: | Unit Weight = 145.0 PCF<br>$\theta = 38^\circ$ C = 0 |

The equivalent height,  $H_1$ , of an MSE structure with inextensible reinforcement supporting a slope shall be taken as the height measured to the point where the potential failure plane (line of maximum tension) intersects the ground surface, as shown in Figure 4. If the break in the slope behind the wall facing is located horizontally within two times the height of the wall ( $2H$ ), a broken back slope design (A.R.E.A method) may be used, as illustrated in Figure 3. The formula for calculating  $H_1$  is

$$H_1 = H + \frac{\tan \beta \times 0.3H}{(1 - 0.3 \tan \beta)}$$

The minimum L/H ratio for reinforcement shall be 1.10. External loads such as sloping backfill and surcharges may increase the minimum reinforcement length.

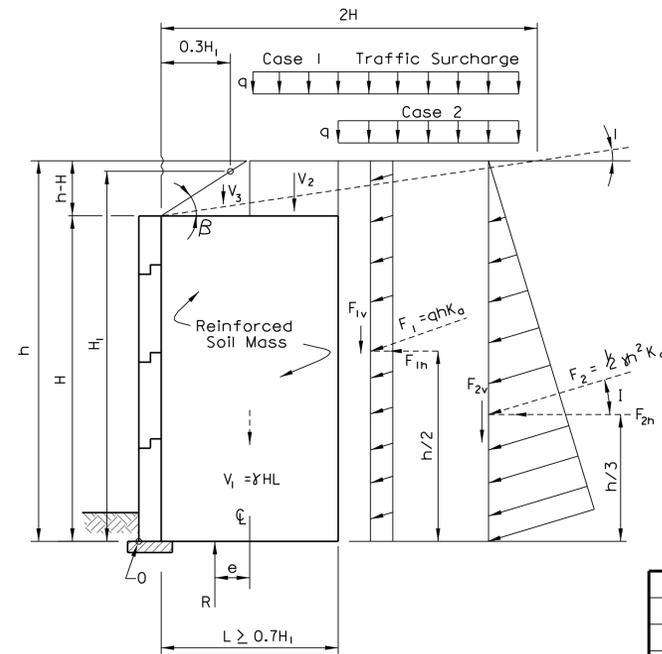


Figure 3 - Broken Back Backfill Case (with Traffic Surcharge)

## BEARING CAPACITY

Allowable bearing capacities for MSE walls shall be determined by the design-builder. The width of the footing for ultimate bearing capacity calculations shall be the length of the reinforcement calculated at the foundation level. The location of the resultant center of pressure shall be within the middle third of the actual base width. Bearing pressures shall be computed using the Meyerhof distribution which considers a uniform base pressure distribution over an effective width of footing  $B' = L - 2e$ .

## INTERNAL STABILITY

### INEXTENSIBLE REINFORCEMENTS

Internal stability of structures constructed with metallic strip or grid reinforcements shall be analyzed by considering that the in-situ reinforced zone can be divided in two zones, the active and resistant zones. The failure surface shall be assumed to be bilinear as shown in Figure 4.

The horizontal stress,  $S_H$ , at each reinforcement level shall be computed by multiplying the vertical stress,  $S_v$ , (at each reinforcement level) by an earth pressure coefficient,  $K$ .

The vertical stress,  $S_v$ , at each level of reinforcement shall consider the local equilibrium of all the forces to that level only. The vertical stress is computed using the Meyerhof bearing pressure equation in the same manner as determined for the base of the structure.

Structures shall be designed using  $K = K_a$  at the top of the structure and decreasing linearly to  $K = K_o$  at 20.0 feet (Figure 4). Below a 20.0 feet depth,  $K = K_o$  shall be used. Assume the earth pressure coefficients of  $K_a$  and  $K_o$  remain the same regardless of the external loading conditions. The values of  $K_a$  and  $K_o$  shall be computed as follows:

$$K_a = \tan^2 (45 - \frac{\theta}{2})$$

$$K_o = 1 - \sin \theta$$

The maximum friction angle used for the computation of horizontal force within the reinforced soil mass shall be  $34^\circ$ , unless the specific project select backfill is tested for frictional strength by triaxial or direct shear testing methods, AASHTO T234-74 and T236-72, respectively. Live loads shall be treated as uniform surcharge loads acting just beyond the reinforced soil mass for stability calculations and extending over the reinforced mass for maximum stress calculations.

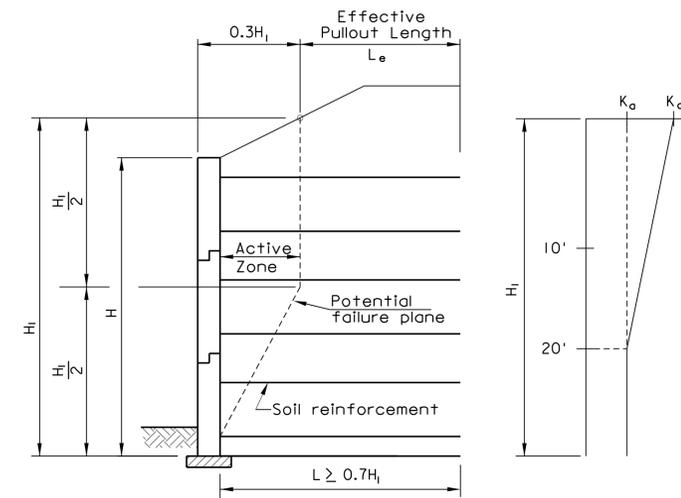


Figure 4

PRELIMINARY

RFP PLANS  
For Information  
Only

DATE: JULY 2012

6007-053-S96-RW201-C501-14-11.dgn

ATHAVALE, LYSTAD & ASSOC. Inc.  
McLean, Virginia  
STRUCTURAL ENGINEER

Not to scale

© 2012, Commonwealth of Virginia

| COMMONWEALTH OF VIRGINIA<br>DEPARTMENT OF TRANSPORTATION |                    |            |           |
|--|--------------------|------------|-----------|
| STRUCTURE AND BRIDGE DIVISION                            |                    |            |           |
| DESIGN REQUIREMENTS FOR<br>MSE WALL SUBMITTALS - I       |                    |            |           |
| No.  | Description        | Date       | Revisions |
|  | Designed: D.P.W... | Date       | Plan No.  |
|  | Drawn: D.P.W...    | April 2012 | 291-99    |
|  | Checked: D.P.W...  |            | 14(11)    |

MECHANICALLY STABILIZED EARTH WALLS

| STATE | FEDERAL AID |               | STATE |                    | SHEET NO. |
|-------|-------------|---------------|-------|--------------------|-----------|
|       | ROUTE       | PROJECT       | ROUTE | PROJECT            |           |
| VA.   | —           | STP-5A01(229) | 643   | 6007-053-S96, B666 | 14(12)    |

PULLOUT DESIGN PARAMETERS

The ultimate pullout capacity of ribbed or smooth steel reinforcing strips shall be calculated using the following relationship:

$$P_{fs} = f \gamma Z A_s$$

f = 1.2 for projects constructed with backfills having a coefficient of uniformity  $C_u \leq 2$ , f = 1.5 with backfills having a coefficient of uniformity  $2 < C_u < 7$ , f = 2.0 with backfills having a coefficient of uniformity  $C_u \geq 7$

In the absence of specific project backfill data for ribbed reinforcing strips, a maximum apparent coefficient of friction, f, of 1.5 shall be used at ground level, decreasing linearly to a value equal to  $\tan \theta$ , at a depth of 20.0 feet, where  $\theta$  is the friction angle of the backfill within the reinforced volume.

For smooth steel reinforcing strips, the apparent coefficient of friction shall be constant at all depths and can be evaluated by the following relation:

$$f = \tan \psi \leq 0.4$$

For grid reinforcing systems with transverse bar spacing of, or greater than, 6.0 in., the generalized relation for ultimate pullout capacity is:

$$R_g = N_b \gamma Z n A_b$$

In the absence of pullout data for site specific backfills, the factor  $N_b$  shall be taken as a function of depth as shown in Figure 5.

For grid reinforcements with transverse spacing less than 6.0 in., the ultimate pullout capacity shall be calculated using the following expression:

$$R_g = 2w_l \gamma Z \tan \theta f_d$$

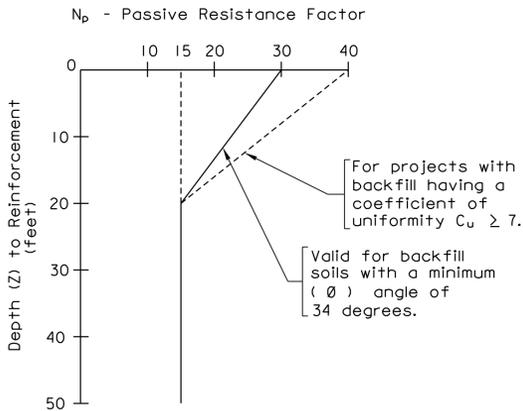
The coefficient of resistance to direct sliding,  $f_d$ , is a function of the open area of the grid. The value of  $f_d$  varies from 0.45 for continuous sheets to 0.8 and must be determined experimentally for each grid geometry.

The pullout resistance shall be checked at each level against pullout failure. Only the effective pullout length which extends beyond the theoretical failure surfaces shall be used in this computation.

The minimum length in the resistant zone shall be 36.0 in. The reinforcement length at all levels shall be equal. Minimum total length shall be 8.0 feet.

LEGEND

- $\gamma Z$  = Vertical stress at the soil-reinforcement interface.
- $A_s$  = Total surface area of reinforcement beyond failure plane.
- f = Apparent coefficient of friction at each reinforcement level.
- n = Number of transverse bearing members behind failure plane.
- $A_b$  = Surface area of transverse reinforcement in bearing.
- $\psi$  = Soil reinforcement angle of friction.



DESIGN LIFE REQUIREMENTS  
STEEL REINFORCEMENT

Steel reinforcement elements in MSE walls shall be designed to have a corrosion resistance-durability to ensure a minimum design life as stated on the plans. Designated critical structures should be designed for a 100-year service life. The allowable reinforcement tension should be based on maintaining allowable material stresses to the end of the service life. The required sacrificial thickness must be provided in addition to the required structural reinforcement thickness to compensate for the effects of corrosion.

The structural design of galvanized steel soil reinforcements and connections shall be made on the basis of a thickness,  $E_c$ , defined as follows:

$$E_c = E_n - E_s$$

For structural design, sacrificial thickness shall be computed for each exposed surface as follows:

Galvanization loss = 15  $\mu$  m/year for first 2 years  
= 4  $\mu$  m/year for subsequent years

Carbon steel loss = 12  $\mu$  m/year after zinc depletion

Corrosion-resistant coatings, if specified, shall be of the electro-statically applied, resin-bonded epoxy type, with minimum application thickness of 400  $\mu$  m in conformance with the requirements of AASHTO M284. They can be considered in lieu of galvanization.

ALLOWABLE STRESSES  
STEEL REINFORCEMENTS

The allowable tensile stress for steel reinforcements and connections shall be in accordance with AASHTO Standards. The maximum allowable reinforcement stresses at the end of the service life are as follows:

- A. Linear Reinforcements (Strips)  
 $F_T = 0.55 F_y$  at reduced gross section (AASHTO 10.32)  
 $F_T = 0.50 F_u$  at net section of bolted connections (AASHTO 10.32)
  - B. Bar Mats and Welded Wire Meshes  
 $F_T = 0.48 F_y$  all sections (AASHTO 5.8.7)
- Transverse and horizontal grid members shall be of the same size.

The horizontal force used to design the connections to the panels may be taken as no less than 85 percent of the maximum calculated force, except for the lower one-half of the structure where it shall be 100 percent.

DRAINAGE

MSE walls in cut-areas and side-hill fills with established ground water levels shall be constructed with drainage blankets in back of and beneath the reinforced zone. Internal drainage measures shall be considered for all structures to prevent saturation of the reinforced backfill or to intercept any surface flows containing aggressive elements such as deicing chemicals.

When specified on the plans, MSE walls supporting roadways which are chemically deiced in the winter, an impervious membrane shall be placed below the pavement and just above the first row of reinforcements to intercept any flows containing deicing chemicals. The membrane shall be sloped to drain away from the facing to an intercepting longitudinal drain outletted beyond the reinforced zone.

SPECIAL LOADING CONDITIONS

Concentrated line loads shall be incorporated into the internal design by using a simplified uniform vertical distribution of 2 vertical to 1 horizontal to determine the vertical component of stress with depth within the reinforced soil mass.

Traffic loads shall be considered in accordance with the criteria outlined in AASHTO specifications.

For structures along rivers and canals, a minimum differential hydrostatic pressure equal to 36.0 in. of water shall be considered for design. This load shall be applied at the high-water level. Effective unit weights shall be used in the calculations for internal and external stability beginning at levels just below the application of the differential hydrostatic pressure.

Parapets and traffic barriers, constructed over or in line with the front face of the panels, shall be designed to resist overturning moments by their own mass. Base slabs shall not have any transverse joints except construction joints. A 10.0 kip impact load shall be used in the design of traffic barriers atop MSE walls. The minimum factors of safety shall be 1.5 for sliding and 2.0 for overturning. The upper row of soil reinforcement shall be structurally sized to resist an additional 2.0 kips per linear foot of wall. A minimum junction slab length of 20.0 feet shall be used, joined to adjacent slabs with shear dowels. The full reinforcement length shall be considered effective in resisting the 10.0 kips impact horizontal load and shall be distributed to the reinforcement over a 20.0 feet junction slab length.

Parapet reinforcement shall be in accordance with AASHTO Specifications. The anchoring slab shall be strong enough to resist the ultimate strength of the standard parapet.

Flexible post and beam barriers, when used, shall be placed at a minimum distance of 36.0 in. from the wall face, driven 5.0 feet below grade, and spaced to miss the reinforcements. The upper two rows of reinforcement shall be designed for an additional horizontal load of 0.30 kip per linear foot of wall.

SEISMIC DESIGN  
EXTERNAL STABILITY

Stability computations shall be made by considering, in addition to static forces, the horizontal inertial force ( $P_{IR}$ ) acting simultaneously with 50 percent of the dynamic horizontal thrust ( $P_{AE}$ ). The dynamic horizontal thrust  $P_{AE}$  shall be evaluated using the pseudo-static Mononobe-Okabe method and shall be applied to the back surface of the reinforced fill at a height of 0.6H from the base and the horizontal inertial force ( $P_{IR}$ ) at the mid-height of the structure. Values of  $P_{AE}$  and  $P_{IR}$  for structures with horizontal backfill, may be determined using the following:

$$A_m = (1.45 - A)A$$

$$P_{AE} = 0.375 A \gamma_m H^2$$

$$P_{IR} = 0.5 A \gamma_m H^2$$

For structures with sloping backfills, the inertial force ( $P_{IR}$ ) shall be based on an effective mass having height  $H_2$  and a base width equal to  $0.5 \cdot H_2$  determined as follows:

$$H_2 = H + \frac{\tan \beta \cdot 0.5 H}{(1 - 0.5 \tan \beta)}$$

The inertial force ( $P_{IR}$ ) shall be taken to act simultaneously with one-half the dynamic horizontal thrust  $P_{AE}$ , computed using the pseudo-static Mononobe-Okabe method, and applied at 0.6  $H_2$  above the base on the back surface of the effective mass.

Factors of safety against sliding and overturning failure under combined loading may be reduced to 75 percent of the factors of safety defined in AASHTO Specifications.

INTERNAL STABILITY

Reinforcements shall be designed to withstand horizontal forces generated by the internal inertia force ( $P_i$ ) in addition to the static forces. The total inertial force  $P_i$  per unit length of structure shall be considered equal to the mass of the active zone times the maximum wall acceleration coefficient  $A_m$ . This inertial force shall be distributed to the reinforcements proportionally to their resistant areas as follows:

$$T_{md} = P_i \frac{(b_i \cdot L_{ei} / S_{Hi})}{\sum_{i=1}^n (b_i \cdot L_{ei} / S_{Hi})}$$

For seismic loading conditions, values of f,  $N_b$  and  $f_d$  may be reduced up to 80 percent of the values used for static design. Factors of safety under combined static and seismic loads for pullout and breakage of reinforcement may be reduced to 75 percent of the factors of safety used for static loading.

STRUCTURAL REQUIREMENTS

Panels shall be designed to resist the horizontal forces calculated according to AASHTO Specifications.

Reinforcement shall be provided to resist the average loading conditions for each panel. As a minimum, temperature and shrinkage steel shall be provided. When specified on the plans, epoxy coating shall be provided for corrosion protection of panel reinforcement where salt spray is anticipated.

WORKING DRAWINGS

Working drawings and design calculations shall be submitted in accordance with Section 105 of the Specifications. Such submittals shall be required:

- (1) For each alternative proprietary or nonproprietary earth retaining system proposed as permitted or specified in the contract.
- (2) When complete details for the system to be constructed are not included in the plans.
- (3) As required by the special provisions or these specifications.

Working drawings and design calculations shall include the following:

- (a) Existing ground elevations that have been verified by the Contractor for each location involving construction wholly or partially in original ground.
- (b) Layout of wall that will effectively retain the earth but not less in height or length than that shown for the wall system in the plans.
- (c) Complete design calculations substantiating that the proposed design satisfies the design parameters in the plans and in the special provisions.
- (d) Complete details of all elements required for the proper construction of the system, including complete material specifications.
- (e) Earthwork requirements including specifications for material and compaction of backfill.
- (f) Details of revisions or additions to drainage systems or other facilities required to accommodate the system.
- (g) Other information required in the plans or special provisions or requested by the Engineer.

The Contractor shall not start work on any earth retaining system for which working drawings are required until such drawings have been approved by the Engineer. Approval of the Contractor's working drawings shall not relieve the Contractor of any of his responsibilities under the contract for the successful completion of the work.

PRELIMINARY

RFP PLANS  
For Information  
Only  
DATE: JULY 2012

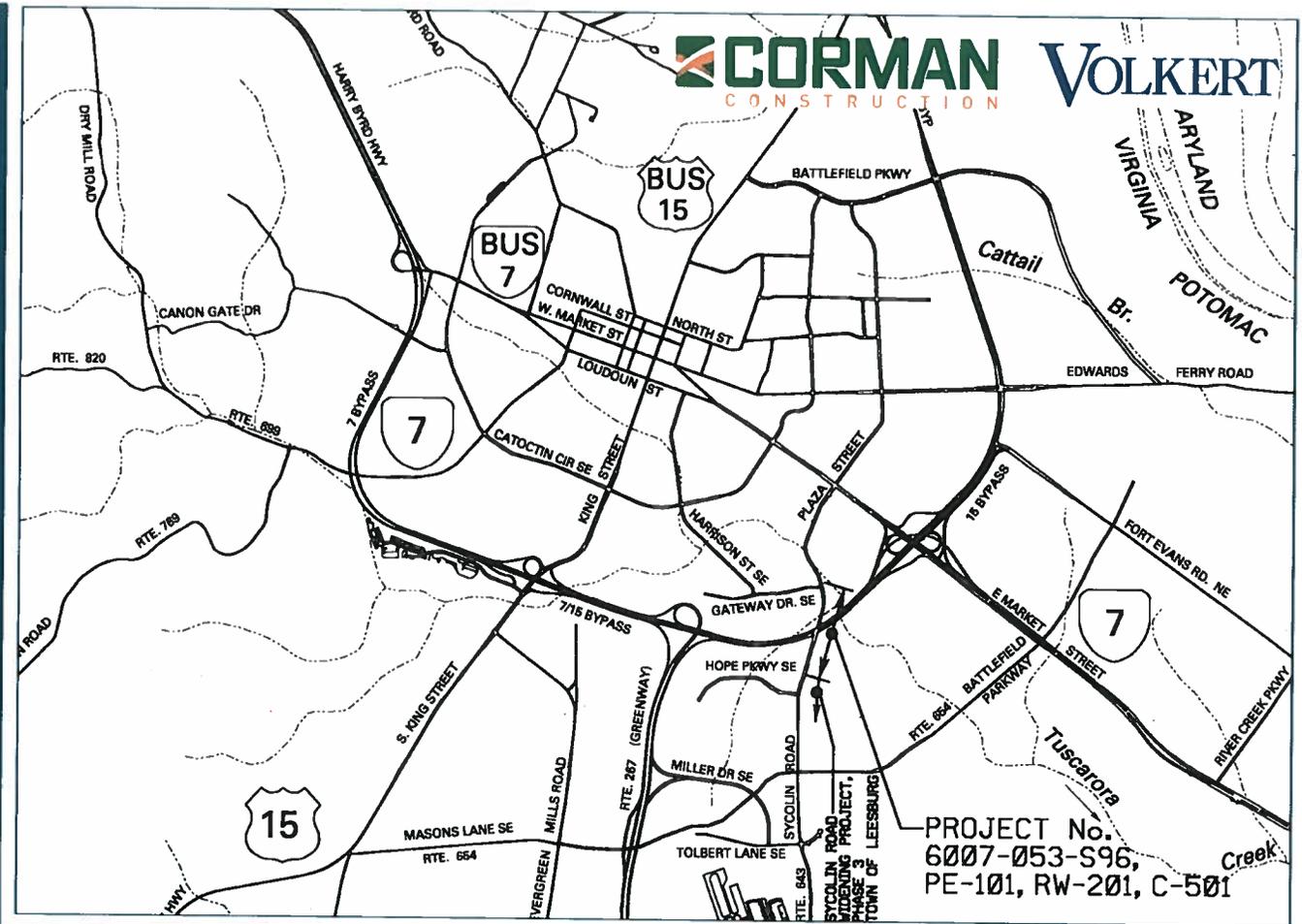
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ATHAVALE, LYSTAD & ASSOC. Inc.  
McLean, Virginia  
STRUCTURAL ENGINEER

Not to scale

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|  |                        |            |           |
|--|------------------------|------------|-----------|
| COMMONWEALTH OF VIRGINIA<br>DEPARTMENT OF TRANSPORTATION |                        |            |           |
| STRUCTURE AND BRIDGE DIVISION                            |                        |            |           |
| DESIGN REQUIREMENTS FOR<br>MSE WALL SUBMITTALS - 2       |                        |            |           |
| No.  | Description            | Date       | Revisions |
|  | Designed: D.P.W...     | Date       | Plan No.  |
|  | Drawn: .....D.P.W...   | April 2012 | 291-99    |
|  | Checked: .....D.P.W... |            | 14(12)    |



## PRICE PROPOSAL

Sycolin Road Overpass of the Route 7/15 Bypass in Leesburg  
From: 0.096 miles north of Hope Parkway  
To: 0.016 miles north of Gateway Drive  
Loudoun County, Virginia

*State Project No.: 6007-053-S96*  
*Federal Project No.: STP-5A01(229)*  
*Contract ID Number: C0009256DB53*

*Submitted to: Virginia Department of Transportation*  
*Date: October 4, 2012*

**ATTACHMENT 4.0.1.2**

**DESIGN-BUILD PRICE PROPOSAL  
CHECKLIST**

**Project Name: Sycolin Road Overpass of Route 7-15 Bypass in Leesburg  
Contract ID Number: C00099256DB53**

---

➤ **Contents of Price Proposal:**

- Proposal Price, in both numbers and words (Attachment 4.3.1)**
  - Price Adjustment Information and Forms for Fuel, Asphalt and Steel, including identification of pay items and associated quantities eligible for adjustment (Part 3, Section 6.3, Attachments 6.3)**
  - Proposal Guaranty (C-24) required by Section 102.07 of Part 5, Division I Amendments to the Standard Specifications**
  - Sworn Statement Forms (C-104, C-105, Attachments 4.3.4(a) and 4.3.4(b))**
  - DBE Requirements Forms (C-111, C-49 and C-112) as applicable (Attachments 4.3.5(a), 4.3.5(b) and 4.3.5(c))**
  - CD-ROM containing the entire Price Proposal in a single cohesive Adobe PDF file**
-

**ATTACHMENT 4.3.1**

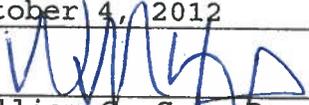
**PRICE PROPOSAL FORM**

4.3.1 Offeror shall specify, the following pricing information, in both numbers and words:

.1 Proposal Price;

Lump Sum Sixteen million seventy-four <sup>wgc</sup>  
thousand one hundred + ~~(\$16,074,051)~~  
fifty one dollars \$ 16,074,151 <sup>wgc</sup>

Date: October 4, 2012

Signature:   
William G. Cox, President

Design-Builder: Corman Construction, Inc.

Vendor No.: C097

**EXHIBIT 6.3(a)  
ADJUSTMENT FOR ASPHALT**

**SPECIAL PROVISION FOR  
ASPHALT MATERIAL PRICE ADJUSTMENT  
DESIGN-BUILD PROJECTS**

June 30, 2011

In the event the Design-Builder elects to seek adjustment for asphalt items designated in the Price Proposal\Contract as Price Adjustment Items such items will be subject to price adjustment as set forth herein. Other items will not be adjusted, except as otherwise specified in the contract. If new pay items which contain Asphalt Material are established by Work Order, they will not be subject to Price Adjustment unless specifically designated in the Work Order to be subject to Price Adjustment.

Each month, the Department will publish an average state-wide PG 64-22 f.o.b. price per ton developed from the average terminal prices provided to the Department from suppliers of asphalt cement to contractors doing work in Virginia. The Department will collect terminal prices from approximately 12 terminals each month. These prices will be received once each month from suppliers on or about the last weekday of the month. The high and low prices will be eliminated and the remaining values averaged to establish the average statewide price for the following month. That monthly state-wide average price will be posted on the Scheduling and Contract Division website on or about the first weekday of the following month.

This monthly statewide average price will be the Base Index for all contracts on which bids are received during the calendar month of its posting and will be the Current Index for all asphalt placed during the calendar month of its posting. In the event an index changes radically from the apparent trend, as determined by the Engineer, the Department may establish an index which is determined to best reflect the trend.

The amount of adjustment applied will be based on the difference between the Price Proposal\Contract Base Index and the Current Index for the applicable calendar month during which the work is performed. Adjustment of any asphalt material item designated as a price adjustment item which does not contain PG 64-22, except PG 76-22, will be based on the indexes for PG 64-22. The quantity of asphalt cement for asphalt concrete pavement to which adjustment will be applied will be the quantity based on the percent of asphalt cement shown on the appropriate approved job mix formula.

The quantity of asphalt emulsion for surface treatments to which adjustment will be applied will be the quantity based on 65 percent residual asphalt.

Price adjustment will be shown as a separate entry on the monthly application of payment for work packages completed; however, such adjustment will not be included in the total cost of the work for progress determination or for extension of contract time.

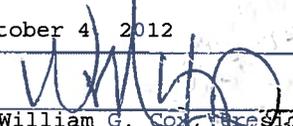
In order to be eligible for asphalt price adjustment under this provision, the Design-Builder shall clearly identify in its Price Proposal those pay items and the associated quantities it chooses to have asphalt price adjustment applied to in its work packages. Items the Design-Builder claims in its application of payment for asphalt adjustments must be properly designated in order to be considered for adjustment. Items not properly designated or left out of the Design-Builder's Price Proposal will automatically not be considered for adjustment.

Any apparent attempt to unbalance bids in favor of items subject to price adjustment or failure to submit required cost and price data as noted hereinbefore may result in rejection of items for asphalt adjustment.

I elect to use this provision

I elect not to use this provision

Date: October 4 2012

Signature:   
William G. Cox, President

Design-builder: Corman Construction, Inc.

Vendor No.: C097

EXHIBIT 6.3(b)

Form C-16a  
7-13-05

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PRICE ADJUSTMENT

INSTRUCTIONS - This form is to be completed and returned ONLY when asphalt concrete items are designated for price adjustment on the bid price sheets.

PROJECT NUMBER: L007-053-596

DISTRICT:

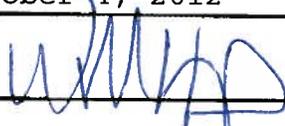
Bid Prices in this contract for items containing PG 64-22 asphalt cement were developed using an f.o.b. price of \$ 567.22 per IMPERIAL ton for PG 64-22. This quote will be averaged into the monthly price index.

Bid Prices in this contract for items containing PG 76-22 asphalt cement were developed using an f.o.b. price of \$ N/A per IMPERIAL ton for PG 76-22. This quote is project specific.  
(When required by provisions)

Price quotes signed by each supplier from which the Design-Builder proposes to obtain PG 64-22 or PG 76-22 shall be maintained by the successful bidder. These quotes shall be retained on site during the life of the Contract for review by the Engineer upon request.

I elect to use this provision  
 I elect not to use this provision

DATE: October 4, 2012

SIGNATURE: 

Corman Construction, Inc.  
(Firm or Corporation)

C097  
(Vendor No.)

---

**EXHIBIT 6.3 (c)  
ADJUSTMENT FOR FUEL**

**VIRGINIA DEPARTMENT OF TRANSPORTATION  
SPECIAL PROVISION FOR  
OPTIONAL ADJUSTMENT FOR FUEL  
DESIGN-BUILD PROJECTS**

June 30, 2011

In the event the Design-Builder elects to seek adjustment for fuel items designated in the Price Proposal/Contract as Price Adjustment Items such items will be subject to price adjustment as set forth herein. Other items will not be adjusted, except as otherwise specified in the contract.

The Design-Builder will submit their monthly application for payment associated with eligible work packages with an adjustment up or down as appropriate for cost changes in fuel used on specific items of work identified in this provision. A master listing of standard items eligible for fuel adjustment is provided by the Department on its website at the following link <http://www.virginiadot.org/business/resources/masteroptionalfuelitems.pdf>. The listing on the web site also includes the corresponding fuel factor for each item. The fuel usage factor for each item is considered inclusive of all fuel usage.

The amount of adjustment will be computed from the change in the indexes and the on-site fuel use as shown in the Department's master listing of eligible items.

In order to be eligible for fuel adjustment under this provision, the Design-Builder shall clearly identify in its Price Proposal those pay items and the associated quantities it chooses to have fuel adjustment applied to in its work packages. Items the Design-Builder claims in its application of payment for fuel adjustments must be properly designated in order to be considered for adjustment. Items not properly designated or left out of the Design-Builder's Price Proposal will automatically not be considered for adjustment.

The monthly index price to be used in the administration of this provision will be calculated by the Department from the Diesel fuel prices published by the U. S. Department of Energy, Energy Information Administration on highway diesel prices, for the Lower Atlantic region. The monthly index price will be the price for diesel fuel calculated by averaging each of the weekly posted prices for that particular month.

For the purposes of this provision, the base index price will be calculated using the data from the month preceding the receipt of bids. The base index price will be posted by the Department at the beginning of the month for all bids received during that month.

The current index price will be posted by the Department and will be calculated using the data from the month preceding the particular estimate being vouchered for payment.

The current monthly quantity for eligible items of work selected by the Design-Builder for fuel adjustment in its work packages will be multiplied by the appropriate fuel factor to determine the gallons of fuel to be cost adjusted. The amount of adjustment per gallon will be the net difference between the current index price and the base index price. Computation for adjustment will be made as follows:

$$S = (E - B) QF$$

Where; S = Monetary amount of the adjustment (plus or minus)  
B = Base index price  
E = Current index price

Q = Quantity of individual units of work  
F = Appropriate fuel factor

Adjustments will not be made for work performed beyond the original contract time limit unless the original time limit has been changed by an executed Work Order.

If new pay items are added to this contract by Work Order and they are listed in the Department's master listing of eligible items, the Work Order must indicate which of these individual items will be fuel adjusted; otherwise, those items will not be fuel adjusted. If applicable, designating which new pay items will be added for fuel adjustment must be determined during development of the Work Order and clearly shown on the Work Order form. The Base Index price on any new eligible pay items added by Work Order will be the Base Index price posted for the month in which bids were received for that particular project. The Current Index price for any new eligible pay items added by Work Order will be the Index price posted for the month preceding the estimate on which the Work Order is paid.

When quantities differ between the last monthly application of payment prepared upon final acceptance and the final application of payment, adjustment will be made using the appropriate current index for the period in which that specific item of work was last performed.

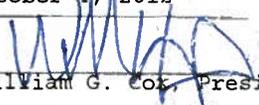
In the event any of the base fuel prices in this contract increase more than 100 percent (i.e. fuel prices double), the Department will review each affected item of work and give the Design-Builder written notice if work is to stop on any affected item of work. The Department reserves the right to reduce, eliminate or renegotiate the price for remaining portions of affected items of work.

Any amounts resulting from fuel adjustment will not be included in the total cost of work for determination of progress or for extension of contract time.

I elect to use this provision

I elect not to use this provision

Date: October 4, 2012

Signature:   
William G. Cok, President

Design-builder: Corman Construction, Inc.

Vendor No.: C097



**Asphalt & Fuel Price Adjustment - Bid Items and Quantity**  
 Sycolin Road Overpass of the Route 7/15 Bypass in Leesburg  
 State Project No.: 6007-053-S96  
 Federal Project No.: STP-5A01(029)  
 Contract ID No.: C00099256DB53

| Item Code                       | Item Description                             | Adjustment |      | Quantity | Unit |
|---------------------------------|--|------------|------|----------|------|
|                                 |  | Asphalt    | Fuel |          |      |
| <b>Sycolin Road South</b>       |  |            |      |          |      |
| 00120                           | REGULAR EXCAVATION                           |            | Y    | 784      | CY   |
| 00140                           | BORROW EXCAVATION                            |            | Y    | 26756    | CY   |
| 10128                           | PLACE AGG BASE - 21B                         |            | Y    | 1699     | TON  |
| 10642                           | PAVING - BM-25.0A                            | Y          | Y    | 1728     | TON  |
| 10610                           | PAVING - IM-19.0A                            | Y          | Y    | 576      | TON  |
| 10635                           | PAVING - SM-9.5A                             | Y          | Y    | 469      | TON  |
| 10607                           | PAVE SM-12.0A SHARED USE PATH                | Y          | Y    | 1        | LS   |
| <b>Sycolin Road North</b>       |  |            |      |          |      |
| 00120                           | REGULAR EXCAVATION                           |            | Y    | 346      | CY   |
| 00140                           | BORROW EXCAVATION                            |            | Y    | 68551    | CY   |
| 10128                           | PLACE AGG BASE - 21B                         |            | Y    | 1473     | TON  |
| 10607                           | PAVE SM-12.0A SHARED USE PATH                | Y          | Y    | 105      | TON  |
| 10642                           | PAVING - BM-25.0A                            | Y          | Y    | 1556     | TON  |
| 10610                           | PAVING - IM-19.0A                            | Y          | Y    | 519      | TON  |
| 10635                           | PAVING - SM-9.5A                             | Y          | Y    | 480      | TON  |
| <b>Route 7/15 Bypass Median</b> |  |            |      |          |      |
| 00120                           | REGULAR EXCAVATION                           |            | Y    | 2491     | CY   |
| 10128                           | PLACE AGG BASE - 21B                         |            | Y    | 422      | TON  |
| 10642                           | PAVING - BM-25.0A                            | Y          | Y    | 488      | TON  |
| 10610                           | PAVING - IM-19.0A                            | Y          | Y    | 103      | TON  |
| 10636                           | PAVING - SM-9.5D                             | Y          | Y    | 97       | TON  |
| 00120                           | MSE WALL 1, 2 & 3 Borrow                     |            | Y    | 13600    | CY   |
| 00120                           | MSE WALL 4, 5 & 6 Borrow                     |            | Y    | 3900     | CY   |
| 60403                           | PIER 1 - F/P/S FOOTINGS Conc A3              |            | Y    | 70       | CY   |
| 60403                           | ABUTMENT B - F/P/S PILE CAP Conc A3          |            | Y    | 70       | CY   |
| 60403                           | PIER 1 - F/P/S COLUMNS Conc A3               |            | Y    | 48       | CY   |
| 60404                           | RW 4, 5 & 6 - COPINGS & MOMENT SLABS Conc A4 |            | Y    | 70       | CY   |
| 60404                           | ABUTMENT B - F/P/S BACKWALL Conc A4          |            | Y    | 107      | CY   |
| 60403                           | PIER 1 - F/P/S PIER CAP Conc A3              |            | Y    | 60       | CY   |
| 60404                           | RW 4, 5 & 6 - BR-27C RAILING Conc A4         |            | Y    | 60       | CY   |
| 60404                           | RW 1, 2 & 3 - COPINGS & MOMENT SLABS Conc A4 |            | Y    | 232      | CY   |
| 60404                           | ABUTMENT A - F/P/S BACKWALL Conc A4          |            | Y    | 113      | CY   |
| 60404                           | RW 1, 2 & 3 - BR-27C RAILING Conc A4         |            | Y    | 661      | CY   |
| 60404                           | ERECT BEAMS Conc A4                          |            | Y    | 57       | CY   |
| 60404                           | POUR & CURE DECK SLAB Conc A4                |            | Y    | 720      | CY   |
| 60404                           | POUR & CURE SIDEWALK Conc A4                 |            | Y    | 58       | CY   |
| 60404                           | POUR & CURE PARAPETS & BARRIERS Conc A4      |            | Y    | 69       | CY   |
| 60404                           | APPROACH SLABS Conc A4                       |            | Y    | 200      | CY   |
| 00120                           | INSTALL DIVERSION - Reg Excavation           |            | Y    | 5117     | CY   |
| 64011                           | STRUCTURE EXCAVATION                         |            | Y    | 3660     | CY   |
| 60403                           | F/P/S CULVERT FOUNDATIONS Conc A3            |            | Y    | 465      | CY   |
| 26119                           | GRADE CHANNEL Rip Rap CL I                   |            | Y    | 300      | TON  |
| 00120                           | REMOVE DIVERSION - Reg Excavation            |            | Y    | 800      | CY   |
| 64011                           | STRUCTURAL BACKFILL                          |            | Y    | 6900     | CY   |
| <b>Route 7/15 Bypass EB</b>     |  |            |      |          |      |
| 00120                           | REGULAR EXCAVATION                           |            | Y    | 1128     | CY   |
| 10128                           | PLACE AGG BASE - 21B                         |            | Y    | 1400     | TON  |
| 10642                           | PAVING - BM-25.0A                            | Y          | Y    | 812      | TON  |
| 10610                           | PAVING - IM-19.0A                            | Y          | Y    | 172      | TON  |
| 10636                           | PAVING - SM-9.5D                             | Y          | Y    | 902      | TON  |
| <b>Route 7/15 Bypass WB</b>     |  |            |      |          |      |
| 00120                           | REGULAR EXCAVATION                           |            | Y    | 1090     | CY   |
| 10128                           | PLACE AGG BASE - 21B                         |            | Y    | 1378     | TON  |
| 10642                           | PAVING - BM-25.0A                            | Y          | Y    | 810      | TON  |
| 10610                           | PAVING - IM-19.0A                            | Y          | Y    | 174      | TON  |
| 10636                           | Paving - SM-9.5D                             | Y          | Y    | 168      | TON  |

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**EXHIBIT 6.3(d)  
ADJUSTMENT FOR STEEL**

**VIRGINIA DEPARTMENT OF TRANSPORTATION  
SPECIAL PROVISION FOR  
PRICE ADJUSTMENT FOR STEEL  
DESIGN-BUILD PROJECTS**

June 30, 2011

In the event the Design-Builder elects to seek adjustment for steel items designated in the Price Proposal/Contract as Price Adjustment Items such items will be subject to price adjustment as set forth herein. If new pay items which involve steel are established by Work Order, they will not be subject to Price Adjustment unless specifically designated in the Work Order to be subject to Price Adjustment.

The Design-Builder will submit their monthly application for payment associated with eligible work packages with an adjustment up or down as appropriate for cost changes in steel used on specific items of work identified in the Price Proposal/contract in accordance with this provision. Provided at the end of this provision is a master listing of standard bid items the Department has determined are eligible for steel price adjustment. Inventoried materials from the listing of eligible items are specifically excluded for consideration. In addition, concrete items where reinforcing steel is normally included in the unit bid price for the item such as (but not limited to) drop inlets, median barriers, sound barrier walls, bridge railing and parapets, are not eligible for consideration under this provision.

The requirements of this provision shall apply only to material cost changes that occur between the date of the opening of the Price Proposal and the date the material is shipped to the fabricator. To be eligible for this price adjustment, Design-Builder is required to fill out the accompanying Form for Price Adjustment for Eligible Steel Items on Design-Build Projects and submit the same with its Price Proposal for the Project. By signing the Form and submitting it with its Price Proposal Design-Builder declares its intention to participate in the price adjustment in its contract with the Department. For the purposes of this provision, the prices listed on the Form for Price Adjustment for Eligible Steel Items on Design-Build projects are fixed for cost and adjustment calculations regardless of quantities incorporated into final design. Further, in order for steel items to be eligible for adjustment, once shipped to the fabricator, the items shall be specifically stored, labeled, or tagged, recognizable by color marking, and identifiable by project for inspection and audit verification.

Design-Builder shall upon request furnish documentation supporting the price per pound for eligible steel items as shown on the Form for Price Adjustment for Eligible Steel Items on Design-Build Projects furnished with its Price Proposal. Design-Builder must use the format as shown with this Form; no other format for presenting this information will be permitted. Design-Builder shall certify that all items of documentation are original and were used in the computation of the price per pound amount for the represented eligible pay items for the month the Price Proposal was opened. This documentation shall support the base line material price ("Base Price") of the steel item only. Base price per pound shall not include the following cost components: fabrication, shipping, storage, handling, and erection.

Failure to submit all documentation required or requested supporting the per pound prices on eligible steel items will result in Design-Builder being ineligible for a price adjustment of any or all steel items.

Price adjustment of each qualifying item under consideration will be subject to the following condition:

There is an increase or decrease in the cost of eligible steel materials in excess of 10 percent up to a maximum of 60 percent from the Base Price when compared with the latest published price index ("Price Index") in effect at the time material is shipped to the fabricator.

The Price Index the Department is using is based on The U.S. Department of Labor, Bureau of Labor Statistics, Producers Price Index (PPI) which measures the average price change over time of the specific

steel eligible item from the perspective of the seller of goods. The Master List table provided at the end of this provision indicates the Producers Price Index (PPI) steel category index items and the corresponding I.D. numbers to which VDOT items will be compared. **Please note:** The Producers Price Index (PPI) is subject to revision 4 months after original publication, therefore, price adjustments and payments will not be made until the index numbers are finalized.

The price adjustment will be determined by computing the percentage of change in index value beyond 10 percent above or below the index on the date of opening of Design-Builder's Price Proposal to the index value on the date the steel material is shipped to the fabricator (Please see included sample examples). Weights and date of shipment must be documented by a bill of lading provided to the Department. The final price adjustment dollar value will be determined by multiplying this percent increase or decrease in the index (after 10%) by the represented quantity of steel shipped, by the Base Price per pound subject to the limitations herein.

**Price Increase/decrease will be computed as follows:**

$$A = B \times P \times Q$$

- Where;
- A = Steel price adjustment in lump sum dollars
  - B = Average weighted price of steel submitted in Design-Builder's Price Proposal for project in price per pound as listed on the Form for Price Adjustment for Eligible Steel Items on Design-Build Project
  - P = Adjusted percentage change in PPI average from shipping date to date of opening of Price Proposal minus 10% (0.10) threshold
  - Q = Total quantity of steel in pounds shipped to fabricator for specific project

The need for application of the adjustments herein to extra work will be determined by the Engineer on an individual basis and, if appropriate, will be specified on the Work Order.

This price adjustment is capped at 60 percent. This means the maximum "P" value for increase or decrease that can be used in the above equation is 50% (60%-10% threshold).

Calculations for price adjustment shall be shown separate from the monthly progress payment for work packages and will not be included in the total cost of work for determination of progress or for extension of contract time.

Upon Department review and due process consideration for redress by Design-Builder, any apparent evidence to unbalance the price supplied by Design-Builder in favor of items subject to price adjustment will result in Ineligibility for Department participation under this provision.

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**Sample Calculation of a Price Adjustment (Increase)**

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Project bid on April 28, 2004.

Project has 450,000 lb. of eligible structural steel.

Design Builder's \*f.o.b. supplier price for structural steel submitted in the Price Proposal is \$0.2816 per pound.

\*free on board

Adjusted\*\* BLS Producers Price Index (PPI) most recently published average at time of opening of the Price Proposal is 139.6.

All eligible steel shipped to fabricator in same month, October 2004.

Adjusted BLS Producers Price Index (PPI) most recently published average for month of October is 161.1

Adjustment formula is as follows:

$$A = B \times P \times Q$$

- Where:
- A = Steel price adjustment in lump sum dollars
  - B = Average weighted price of steel submitted in the Price Proposal for Design-Build project in \$ per pound
  - P = Adjusted percentage change in PPI average from shipping date to date of submitted Price Proposal minus 10% (0.10) threshold
  - Q = Total quantity of eligible steel shipped to fabricator in October 2004 for this project in pounds

$$B = \$0.2816$$

$$P = (161.1 - 139.6) / 139.6 - 0.10 = 0.054$$

$$Q = 450,000 \text{ lb.}$$

$$A = 0.2816 \times 0.054 \times 450,000$$

$$A = \$6,842.88 \text{ pay adjustment to Design-Builder}$$

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**Sample Calculation of a Price Adjustment (decrease)**

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Project bid on April 28, 2004.

Project has 450,000 lb. of eligible structural steel.

Design-Builder's \*f.o.b. supplier price for structural steel submitted in the Price Proposal is \$0.2816 per pound.

\*free on board

Adjusted BLS Producers Price Index (PPI) most recently published average at time of opening of the Price Proposal is 156.6.

All eligible steel shipped to fabricator in same month, October 2004.

Adjusted BLS Producers Price Index (PPI) most recently published average for month of October is 136.3

Adjustment formula is as follows:

$$A = B \times P \times Q$$

- Where:
- A = Steel price adjustment in lump sum dollars
  - B = Average weighted price of steel submitted in the Price Proposal for Design-Build project in \$ per pound
  - P = Adjusted percentage change in PPI average from shipping date to date of submitted Price Proposal minus 10% (0.10) threshold
  - Q = Total quantity of eligible steel shipped to fabricator in October 2004 for this project in pounds

$$B = \$0.2816$$

$$P = (156.6 - 136.3) / 156.6 - 0.10 = 0.030$$

$$Q = 450,000 \text{ lb.}$$

$$A = 0.2816 \times 0.030 \times 450,000$$

$$A = \$3,801.60 \text{ credit to Department}$$

**MASTER LISTING**

**STANDARD BID ITEMS ELIGIBLE FOR STEEL PRICE ADJUSTMENT**

March 18, 2009

BLS Series I, D.

| ITEM NUMBER | ITEM DESCRIPTION                         | UNITS | Number WPU used in \$ adjust. |
|-------------|--|-------|-------------------------------|
| 00519       | SHEET PILE, STEEL                        | SF    | avg. 1017 & 101               |
| 00540       | REINF. STEEL                             | LB    | 101704                        |
| 00542       | EPOXY COATED REINF. STEEL                | LB    | 101704                        |
| 00560       | STRUCTURAL STEEL JB-1                    | LB    | avg. 1017 & 101               |
| 11030       | REINF. STEEL BRIDGE APPR. SLAB           | LB    | 101704                        |
| 11181       | PATCH.HYDR.CEM.CONC. PAVE.               | SY    | 101704                        |
| 13290       | GUARDRAIL GR-8 (NCHRP 350 TL-3)          | LF    | avg. 1017 & 101               |
| 13292       | GUARDRAIL GR-8A (NCHRP 350 TL-3)         | LF    | avg. 1017 & 101               |
| 13294       | GUARDRAIL GR-8B (NCHRP 350 TL-3)         | LF    | avg. 1017 & 101               |
| 13310       | GUARDRAIL TERMINAL GR-6 (NCHRP 350)      | LF    | avg. 1017 & 101               |
| 13320       | GUARDRAIL GR-2                           | LF    | avg. 1017 & 101               |
| 13323       | GUARDRAIL GR-2A                          | LF    | avg. 1017 & 101               |
| 13331       | RAD. GUARDRAIL GR-2                      | LF    | avg. 1017 & 101               |
| 13333       | RAD. GUARDRAIL GR-2A                     | LF    | avg. 1017 & 101               |
| 13335       | GUARDRAIL GR-3                           | LF    | avg. 1017 & 101               |
| 13341       | GUARDRAIL TER. GR-6(WEATHERING STEEL     | LF    | avg. 1017 & 101               |
| 13351       | GUARDRAIL GR-8                           | LF    | avg. 1017 & 101               |
| 13352       | GUARDRAIL GR-8A                          | LF    | avg. 1017 & 101               |
| 13353       | GUARDRAIL GR-8B                          | LF    | avg. 1017 & 101               |
| 13355       | GUARDRAIL GR-10                          | LF    | avg. 1017 & 101               |
| 13421       | MEDIAN BARRIER MB-3                      | LF    | avg. 1017 & 101               |
| 13450       | MEDIAN BARRIER MB-5                      | LF    | avg. 1017 & 101               |
| 13451       | MEDIAN BARRIER MB-5A                     | LF    | avg. 1017 & 101               |
| 13452       | MEDIAN BARRIER MB-5B                     | LF    | avg. 1017 & 101               |
| 13545       | REINF. STEEL                             | LB    | 101704                        |
| 14502       | REINFORCING STEEL                        | LB    | 101704                        |
| 15290       | PATCH.CEM.CONC.PAVE.TY.CRCP-A            | SY    | 101704                        |
| 15302       | PATCH.CEM.CONC.PAVE. TY. II              | SY    | 101704                        |
| 15305       | PATCH.CEM.CONC.PAVE.TY. IV-A             | SY    | 101704                        |
| 17323       | GUARDRAIL BEAM *                         | LF    | avg. 1017 & 101               |
| 17325       | RADIAL GUARDRAIL BEAM *                  | LF    | avg. 1017 & 101               |
| 17327       | RUB RAIL                                 | LF    | avg. 1017 & 101               |
| 17353       | CABLE GR-3                               | LF    | avg. 1017 & 101               |
| 17521       | GUARDRAIL BEAM (WEATHERING STEEL)        | LF    | avg. 1017 & 101               |
| 17523       | RADIAL GUARDRAIL BEAM (WEATHERING STEEL) | LF    | avg. 1017 & 101               |
| 17525       | RUB RAIL (WEATHERING STEEL)              | LF    | avg. 1017 & 101               |
| 22501       | FENCE FE-W1                              | LF    | avg. 1017 & 101               |
| 22643       | FENCE FE-CL                              | LF    | avg. 1017 & 101               |
| 22645       | FENCE FE-CL VINYL COATED                 | LF    | avg. 1017 & 101               |
| 23043       | WATER GATE FE-4 TY.III                   | LF    | avg. 1017 & 101               |
| 23501       | FENCE FE-W1 (FABRIC ONLY)                | LF    | avg. 1017 & 101               |
| 45522       | 4" STEEL ENCASE. PIPE                    | LF    | 101706                        |
| 45532       | 6" STEEL ENCASE. PIPE                    | LF    | 101706                        |
| 45562       | 16" STEEL ENCASE. PIPE                   | LF    | 101706                        |
| 45572       | 18" STEEL ENCASE. PIPE                   | LF    | 101706                        |

|       |  |    |                 |
|-------|--|----|-----------------|
| 45582 | 24" STEEL ENCASE. PIPE                       | LF | 101706          |
| 45584 | 24" JACKED STEEL ENCASUREMENT PIPE           | LF | 101706          |
| 45592 | 30" STEEL ENCASE. PIPE                       | LF | 101706          |
| 50402 | SIGN POST STEEL 3"                           | LF | 101706          |
| 50404 | SIGN POST STEEL 4"                           | LF | 101706          |
| 50406 | SIGN POST STEEL 6"                           | LF | 101706          |
| 50410 | SIGN POST STEEL 10"                          | LF | 101706          |
| 50412 | SIGN POST STEEL 12"                          | LF | 101706          |
| 50414 | SIGN POST STEEL 14"                          | LF | 101706          |
| 50416 | SIGN POST STEEL 16"                          | LF | 101706          |
| 50418 | SIGN POST STEEL 18"                          | LF | 101706          |
| 51317 | SIG. POLE MP-1 20' ONE ARM 30'               | EA | 101706          |
| 51319 | SIG. POLE MP-1 20' ONE ARM 32'               | EA | 101706          |
| 51325 | SIG. POLE MP-1 20' ONE ARM 38'               | EA | 101706          |
| 51327 | SIG. POLE MP-1 20' ONE ARM 40'               | EA | 101706          |
| 51329 | SIG. POLE MP-1 20' ONE ARM 42'               | EA | 101706          |
| 51331 | SIG. POLE MP-1 20' ONE ARM 44'               | EA | 101706          |
| 51337 | SIG. POLE MP-1 20' ONE ARM 50'               | EA | 101706          |
| 51339 | SIG. POLE MP-1 20' ONE ARM 52'               | EA | 101706          |
| 51341 | SIG. POLE MP-1 20' ONE ARM 54'               | EA | 101706          |
| 51344 | SIG. POLE MP-1 20' ONE ARM 56'               | EA | 101706          |
| 51346 | SIG. POLE MP-1 20' ONE ARM 58'               | EA | 101706          |
| 51347 | SIG. POLE MP-1 20' ONE ARM 60'               | EA | 101706          |
| 51348 | SIG. POLE MP-1 20' ONE ARM 62'               | EA | 101706          |
| 51368 | SIG.POLE MP-1 20'TWO ARMS 36' & 42'          | EA | 101706          |
| 51400 | SIG.POLE MP-1 CO.LU.ONE ARM 38               | EA | 101706          |
| 51402 | SIG.POLE MP-1 CO.LU.ONE ARM 40               | EA | 101706          |
| 51408 | SIG.POLE MP-1 CO.LU.ONE ARM 46               | EA | 101706          |
| 51412 | SIG.POLE MP-1 CO.LU.ONE ARM 50               | EA | 101706          |
| 51414 | SIG.POLE MP-1 CO.LU.ONE ARM 52               | EA | 101706          |
| 51416 | SIG.POLE MP-1 CO.LU.ONE ARM 54               | EA | 101706          |
| 51418 | SIG.POLE MP-1 CO.LU.ONE ARM 56               | EA | 101706          |
| 51420 | SIG.POLE MP-1 CO.LU.ONE ARM 58               | EA | 101706          |
| 51422 | SIG.POLE MP-1 CO.LU.ONE ARM 60               | EA | 101706          |
| 55162 | LIGHTING POLE LP-1 30'-4'                    | EA | 101706          |
| 55163 | LIGHTING POLE LP-1 30'-6'                    | EA | 101706          |
| 55166 | LIGHTING POLE LP-1 30'-12'                   | EA | 101706          |
| 55169 | LIGHTING POLE LP-1 35'-6'                    | EA | 101706          |
| 55171 | LIGHTING POLE LP-1 35'-10'                   | EA | 101706          |
| 55176 | LIGHTING POLE LP-1 40'-8'                    | EA | 101706          |
| 55185 | LIGHTING POLE LP-2 TYPE A                    | EA | 101706          |
| 55186 | LIGHTING POLE LP-2 TYPE B                    | EA | 101706          |
| 55187 | LIGHTING POLE LP-2 TYPE C                    | EA | 101706          |
| 55188 | LIGHTING POLE LP-2 TYPE D                    | EA | 101706          |
| 55189 | LIGHTING POLE LP-2 TYPE E                    | EA | 101706          |
| 55190 | LIGHTING POLE LP-2 TYPE F                    | EA | 101706          |
| 55192 | LIGHTING POLE LP-2 TYPE H                    | EA | 101706          |
| 60452 | REINF. STEEL BRIDGE APPR. SLAB               | LB | 101704          |
| 61700 | REINF. STEEL                                 | LB | 101704          |
| 61704 | CORROSION RESISTANT REINF. STEEL             | LB | 101704          |
| 61705 | EPOXY COATED REINF. STEEL                    | LB | 101704          |
| 61750 | STRUCT.STEEL HIGH STRG.PLT.GIRDERS           | LB | avg. 1017 & 101 |
| 61811 | STR.STEEL PLATE GIRDER ASTM A709 GRADE50     | LB | avg. 1017 & 101 |
| 61812 | STR.STEEL PLATE GIRDER ASTM A709 GRADE50     | LB | avg. 1017 & 101 |
| 61813 | STR.STEEL PLATE GIRDER ASTM A709 GRADEHPS50W | LB | avg. 1017 & 101 |
| 61814 | STR.STEEL PLATE GIRDER ASTM A709 GRADEHPS70W | LB | avg. 1017 & 101 |
| 61820 | STR.STEEL ROLLED BEAM ASTM A709 GRADE 36     | LB | avg. 1017 & 101 |

|       |   |    |                 |
|-------|---|----|-----------------|
| 61821 | STR.STEEL ROLLED BEAM ASTM A709 GRADE50     | LB | avg. 1017 & 101 |
| 61822 | STR.STEEL ROLLED BEAM ASTM A709 GRADE50W    | LB | avg. 1017 & 101 |
| 61990 | STEEL GRID FLOOR                            | SF | avg. 1017 & 101 |
| 64110 | STEEL PILES 10"                             | LF | avg. 1017 & 101 |
| 64112 | STEEL PILES 12"                             | LF | avg. 1017 & 101 |
| 64114 | STEEL PILES 14"                             | LF | avg. 1017 & 101 |
| 64768 | DRIVING TEST FOR 12" STEEL PILE             | LF | avg. 1017 & 101 |
| 64778 | DRIVING TEST FOR 14" STEEL PILE             | LF | avg. 1017 & 101 |
| 65200 | REINF. STEEL                                | LB | 101704          |
| 65204 | CORROSION RESISTANT REINF. STEEL            | LB | 101704          |
| 65205 | EPOXY COATED REINF. STEEL                   | LB | 101704          |
| 67086 | PED. FENCE 6'                               | LF | avg. 1017 & 101 |
| 67088 | PED. FENCE 8'                               | LF | avg. 1017 & 101 |
| 67089 | PED. FENCE 10'                              | LF | avg. 1017 & 101 |
| 68100 | REINF. STEEL                                | LB | 101704          |
| 68104 | CORROSION RESISTANT REINF. STEEL            | LB | 101704          |
| 68105 | EPOXY COATED REINF. STEEL                   | LB | 101704          |
| 68107 | STR.STEEL PLATE GIRDER ASTM A709 GRADE50    | LB | avg. 1017 & 101 |
| 68108 | STR. STEEL PLATE GIRDER ASTM A709 GR50W     | LB | avg. 1017 & 101 |
| 68109 | STR. STEEL PLATE GIRDER ASTM A709 GR.HPS50W | LB | avg. 1017 & 101 |
| 68110 | STR. STEEL PLATE GIRDER ASTM A709 GR.HPS70W | LB | avg. 1017 & 101 |
| 68112 | STR.STEEL ROLLED BEAM ASTM A709 GR.36       | LB | avg. 1017 & 101 |
| 68113 | STR.STEEL ROLLED BEAM ASTM A709 GR.50       | LB | avg. 1017 & 101 |
| 68114 | STR.STEEL ROLLED BEAM ASTM A709 GR. 50W     | LB | avg. 1017 & 101 |
| 68115 | STRUCT. STEEL                               | LB | avg. 1017 & 101 |
| 68270 | REINF. STEEL BRIDGE APPR. SLAB              | LB | 101704          |
| 69060 | SHEET PILES, STEEL                          | SF | avg. 1017 & 101 |
| 69100 | REINF. STEEL                                | LB | 101704          |
| 69104 | CORROSION RESISTANT REINF. STEEL            | LB | 101704          |
| 69105 | EPOXY COATED REINF. STEEL                   | LB | 101704          |
| 69110 | STEEL PILES 10"                             | LF | avg. 1017 & 101 |
| 69112 | STEEL PILE 12"                              | LF | avg. 1017 & 101 |
| 69113 | DRIVING TEST FOR 12" STEEL PILE             | LF | avg. 1017 & 101 |

WGC

I elect to use this provision

WGC

I elect not to use this provision

Date: October 4, 2012

Signature:

William G. Cox, President

Design-Builder:

Corman Construction, Inc.

Vendor No.:

C097

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PROPOSAL GUARANTY**

KNOW ALL MEN BY THESE PRESENTS, THAT WE Corman Construction, Inc. As principal, and Fidelity and Deposit Company of Maryland Surety, are held and firmly bound unto the Commonwealth of Virginia as obligee, in the amount of FIVE PERCENT OF THE DOLLAR VALUE OF THE BID, lawful money of the United States of America, for the payment of which, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally and firmly by these presents.

SIGNED, sealed and dated this 4th Day of October, 2012

WHEREAS, the above said principal is herewith submitting its proposal for:

PROJECT NUMBER: State Project No. 6007-053-S96 Federal Project No. STP-5A01(229) Contract ID C00099256DB53  
Sycolin Road Overpass of the Route 7/15 Bypass in Leesburg

NOW, THEREFORE, the condition of the above obligee is such, that if the aforesaid principal shall be awarded the contract upon said proposal and shall within the time specified in the Specifications after the notice of such award enter into a contract and give bond for the faithful performance of the contract, then this obligation shall be null and void; otherwise to remain in full force and effect and the principal and surety will pay unto the obligee the difference in money between the amount of the bid of the said principal and the amount for which the obligee may legally contract with another party to perform the said work if the latter amount be in excess of the former; but in no event shall the liability exceed the penal sum hereof.

Corman Construction, Inc.

Fidelity and Deposit Company of Maryland

(Principal\*)  
By: [Signature]  
(Officer, Partner or Owner) (Seal)  
William G. Cox, President  
(Principal\*)

(Surety Company)  
By: [Signature]  
Patricia L. Lewis (Attorney-in-Fact\*\*) (Seal)  
1400 American Lane, Tower I, 18th Floor  
Schaumburg, IL 60196-1056  
(Address)



By: \_\_\_\_\_  
(Officer, Partner or Owner) (Seal)  
  
(Principal\*)

By: \_\_\_\_\_  
(Surety Company)  
  
(Attorney-in-Fact\*\*) (Seal)

By: \_\_\_\_\_  
(Officer, Partner or Owner) (Seal)

By: \_\_\_\_\_  
(Address)

\*Note: If the principal is a joint venture, each party thereof must be named and execution made by same hereon. If there is more than one surety to the bid bond, each surety must be named and execution shall be made by same hereon.

**Electronic Bid Only:** In lieu of completing the above section of the Contract Performance Bond, the Principal shall file an Electronic Bid Bond when bidding electronically. By signing below the Principal is ensuring the identified electronic bid bond has been executed and the Principal and Surety are firmly bound unto the Commonwealth of Virginia under the same conditions of the bid bond as shown above.

Electronic Bid Bond ID# \_\_\_\_\_ Company/Bidder Name \_\_\_\_\_ Signature and Title \_\_\_\_\_

\*\*Attach copy of Power of Attorney

**ZURICH AMERICAN INSURANCE COMPANY  
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY  
FIDELITY AND DEPOSIT COMPANY OF MARYLAND  
POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Maryland, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Maryland (herein collectively called the "Companies"), by Geoffrey Delisio, Vice President, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint Patricia L. Lewis, its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: any and all bonds and undertakings, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland, in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 17th day of May, A.D. 2012.

ATTEST:

**ZURICH AMERICAN INSURANCE COMPANY  
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY  
FIDELITY AND DEPOSIT COMPANY OF MARYLAND**



By: Gerald F. Haley  
Assistant Secretary  
Gerald F. Haley

Geoffrey Delisio  
Vice President  
Geoffrey Delisio

State of Maryland  
County of Baltimore

On this 17th day of May, A.D. 2012, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, Geoffrey Delisio, Vice President and Gerald F. Haley, Assistant Secretary of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, deposeth and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.

Constance A. Dunn

Constance A. Dunn, Notary Public  
My Commission Expires: July 14, 2015



**EXTRACT FROM BY-LAWS OF THE COMPANIES**

"Article V, Section 8, Attorneys-in-Fact. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify or revoke any such appointment or authority at any time."

**CERTIFICATE**

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 4th day of October, 2012.



*Thomas O. McClellan*

Thomas O. McClellan, Vice President

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

PROJECT: 6007-053-S96

FHWA: ~~None~~ STP-5A01(229)

This form must be completed, signed and returned with bid; and failure to do so may result in the rejection of your bid. **THE CONTRACTOR SHALL AFFIRM THE FOLLOWING STATEMENT EITHER BY SIGNING THE AFFIDAVIT AND HAVING IT NOTARIZED OR BY SIGNING THE UNSWORN DECLARATION UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE UNITED STATES. A SEPARATE FORM MUST BE SUBMITTED BY EACH PRINCIPAL OF A JOINT VENTURE BID.**

**STATEMENT.** In preparation and submission of this bid, I, the firm, corporation or officers, agents or employees thereof did not, either directly or indirectly, enter into any combination or arrangement with any persons, firm or corporation or enter into any agreement, participate in any collusion, or otherwise take any action in the restraint of free, competitive bidding in violation of the Sherman Act (15 U.S.C. Section 1) or Article 1.1 or Chapter 12 of Title 18.2 (Virginia Governmental Frauds Act), Sections 59.1-9.1 through 59.1-9.17 or Sections 59.1-68.6 through 59.1-68.8 of the Code of Virginia.

**AFFIDAVIT**

The undersigned is duly authorized by the bidder to make the foregoing statement to be filed with bids submitted on behalf of the bidder for contracts to be let by the Commonwealth Transportation Board.

Signed at Anne Arundel (Annapolis Jnt) MD, this 4th day of October, 2012  
County (City), STATE William G. Cox

Corman Construction, Inc. By: (Signature) President  
(Name of Firm) (Signature) Title (print)

STATE of Maryland COUNTY (CITY) of AA Co, Annapolis Jnt

To-wit:

Bonnie Hulme, a Notary Public in and for the State and  
County(City) aforesaid, hereby certify that this day William G. Cox

personally appeared before me and made oath that he is duly authorized to make the above statements and that such statements are true and correct.

Subscribed and sworn to before me this 4th day of October, 2012

(Signature) My Commission expires May 29, 2014  
Notary Public

**OR  
UNSWORN DECLARATION**

The undersigned is duly authorized by the bidder to make the foregoing statement to be filed with bids submitted on behalf of the bidder for contracts to be let by the Commonwealth Transportation Board.

Signed at \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_  
County (City), STATE

By: \_\_\_\_\_  
(Name of Firm) (Signature) Title (print)



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
AFFIDAVIT

PROJECT: 6007-053-S96

FHWA: STP-5A01(229)

This form must be completed, signed, notarized and returned with bid; and failure to do so, may result in the rejection of your bid. A separate form must be submitted by each principal of a joint venture bid.

1. I, the firm, corporation or officers, agents or employees thereof have neither directly nor indirectly entered into any combination or arrangement with any person, firm or corporation or entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with such contract, the effect of which is to prevent competition or increase the cost of construction or maintenance of roads or bridges.

During the preceding twelve months, I (we) have been a member of the following Highway Contractor's Associations, as defined in Section 33.1-336 of the Code of Virginia (1970). (If none, so state).

| NAME         | Location of Principal Office |
|--------------|------------------------------|
| <u>VTCA</u>  | <u>Richmond, VA</u>          |
| <u>ARTBA</u> | <u>Washington, DC</u>        |
| <u>MTBMA</u> | <u>Glen Burnie, MD</u>       |

2. I (we) have , have not , participated in a previous contract or subcontract subject to the equal opportunity clause, as required by Executive Orders 10925, 11114, or 11246, and that I/We have , have not , filed with the joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

**Note:** The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor [41 CFR 60-1.7(b)(1)], and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contract or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b) (1) prevents the award of contract and subcontract unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

(Continued)

**ORDER NO.:**  
**CONTRACT ID. NO.:** C00099256DB53

Form C-105  
page 2

3. The bidder 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 judgement rendered against them for commission of fraud or a criminal offence in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation 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 above; and
  - (d) Where the bidders is unable to certify to any of the statements in this certification, the bidder shall show an explanation below.

Explanations will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any explanation noted, indicate below to whom it applies, initiating agency, and dates of action. Providing false information may result in federal criminal prosecution or administration sanctions. The bidder shall provide immediate written notice to the Department if at any time the bidder learns that its certification was erroneous when submitted or has become erroneous by reason of change circumstances.

The undersigned is duly authorized by the bidder to make the foregoing statements to be filed with bids submitted on behalf of the bidder for contracts to be let by the Commonwealth Transportation Board.

Signed at Anne Arundel (Annapolis Jnt) MD, this 4th day of October, 2012  
County (City), STATE  
Corman Construction, Inc.  
(Name of Firm)  
STATE of Maryland  
By: William G. Cox President  
(Signature) Title (print)  
COUNTY (CITY) of AA Co., Annapolis Jnt

To-wit: Bonnie Hulme, a Notary Public in and for the State and  
County(City) aforesaid, hereby certify that this day William G. Cox

personally appeared before me and made oath that he is duly authorized to make the above statements and that such statements are true and correct.

Subscribed and sworn to before me this 4th day of October, 2012  
Bonnie Hulme My Commission expires May 19, 2014  
Notary Public

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
MINIMUM DBE REQUIREMENTS**

PROJECT NO. 6007-053-S96  
FHWA NO. STP-5A01(229)

**\*\*\* INSTRUCTIONS \*\*\***

THIS FORM CAN BE USED BY THE CONTRACTOR TO SUBMIT THE NAMES OF DBE FIRMS TO BE UTILIZED ON THE PROJECT. THE CONTRACTOR SHALL INDICATE THE DESCRIPTION OF THE CATEGORY (S, M, SP or H) AND THE TYPE OF WORK THAT EACH DBE WILL PERFORM AND THE ALLOWABLE CREDIT PER ITEM(S). ADDITIONAL SHEETS TO SHOW THE ALLOWABLE CREDIT PER ITEM MAY BE ATTACHED IF NECESSARY. PLEASE NOTE: THE AMOUNT OF ALLOWABLE CREDIT FOR A DBE SUPPLIER IS 60% OF THE TOTAL COST OF THE MATERIALS OR SUPPLIES OBTAINED AND 100% FOR A DBE MANUFACTURER OF THE MATERIALS AND SUPPLIES OBTAINED. A CONTRACTOR MAY COUNT 100% OF THE FEES PAID TO A DBE HAULER FOR THE DELIVERY OF MATERIALS AND SUPPLIES TO THE PROJECT SITE, BUT NOT FOR THE COST OF THE MATERIALS AND SUPPLIES THEMSELVES.

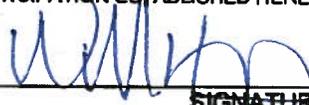
DBE REQUIREMENT 20 %  
PERCENT ATTAINED BY BIDDER 20 %

| NAMES(S) AND CERTIFICATION NO. OF DBE(S) TO BE USED | USED AS SUBCONTR. (S) MFG. (M) SUPPLIER (SP) HAULER (H) | TYPE OF WORK AND ITEM NO(S) | \$ AMOUNT OF ALLOWABLE CREDIT PER ITEM |
|---|---|-----------------------------|--|
|   | <u>SEE ATTACHED</u>                                     |                             |  |
|   |   |                             |  |
|   |   |                             |  |
|   |   |                             |  |

TOTAL \$ 3,224,24.00

TOTAL CONTRACT VALUE \$ 16,074,151 x REQUIRED DBE 20 % = \$ 3,214,830.20

I/WE CERTIFY THAT THE PROPOSED DBE(S) SUBMITTED WILL BE USED ON THIS CONTRACT AS STATED HEREON AND ASSURE THAT DURING THE LIFE OF THE CONTRACT. I/WE WILL MEET OR EXCEED THE PARTICIPATION ESTABLISHED HEREON BY THE DEPARTMENT.

Corman Construction, Inc. BY   
BIDDER SIGNATURE

William G. Cox, President BY October 4, 2012  
TITLE DATE



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
**CERTIFICATION OF BINDING AGREEMENT**  
WITH  
**DISADVANTAGED BUSINESS ENTERPRISE FIRMS**

Project No.: 6007-053-S96

Federal Project No.: STP-5A01 (229)

This form is to be submitted in accordance with the Department's Special Provision for Section 107.15.

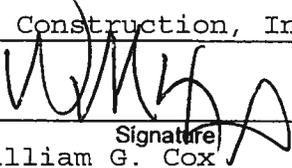
It is hereby certified by the below signed Contractors that there exists a written quote, acceptable to the parties involved preliminary to a binding subcontract agreement stating the details concerning the work to be performed and the price which will be paid for the aforementioned work. This document is not intended to, nor should it be construed to, contain the entire text of the agreement between the contracting parties. This document does not take the place of, nor may it be substituted for, an official subcontracting agreement in those situations that may require such an agreement. A copy of the fully executed *subcontract agreement* shall be submitted to the Engineer within fourteen (14) business days after contract execution.

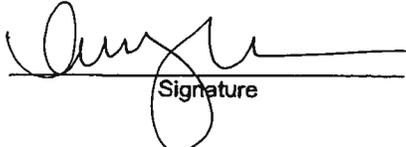
It is further certified that the aforementioned mutually acceptable quote and fully executed subcontract agreement represent the entire agreement between the parties involved and that no conversations, verbal agreements, or other forms of non-written representations shall serve to add to, delete, or modify the terms as stated.

The prime Contractor further represents that the aforementioned mutually acceptable quote and fully executed subcontract agreement shall remain on file for a period of not less than one year following completion of the prime's contract with the Department or for such longer period as provisions of governing Federal or State law or regulations may require. For purposes of this form, the term Prime Contractor shall refer to any Contractor utilizing a DBE subcontractor, regardless of tier, in which they are claiming DBE credit toward the contract goal.

Contractors further jointly and severally represent that said binding agreement is for the performance of a "commercially useful function" as that term is employed in 49 C.F.R. Part 26.55 (c), (d).

**TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER  
SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM**

Prime Contractor Corman Construction, Inc.  
By:  President  
Signature  
William G. Cox  
Title  
Date: October 4, 2012

First Tier Subcontractor if Applicable A & P Services, LLC  
By:  CHIEF EXECUTIVE MANAGER  
Signature  
Title  
Date: 10/3/2012

Second Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

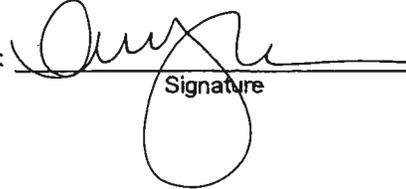
Third Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

DBE Contractor

A & P Services, LLC

By:   
Signature  
Date: 10/3/2012  
Title: CHIEF EXECUTIVE MANAGER



Home >> Disadvantaged Business Enterprise (DBE)  
Vendors Search >> DBE Vendors Search Results

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Sut

### Disadvantaged Business Enterprise (DBE) Vendors Directory

[<<Return to the DBE Vendors Search](#)

Search by company names = A & P ser

The following result(s) sorted by company name.

**Note:** Before printing, ensure that your browser print setup is set to landscape.

| Federal Type | Cert. # | Company Name, Mailing Address and Contact  | Description of Services   | DBE/ACDBE |
|--------------|---------|--|---|-----------|
| DBE/WBE      | 650392  | A & P SERVICES, LLC<br>Doing Business As:<br>P.O. BOX 1136<br>PISAGH FOREST, NC 28768<br>Contact: ANNETTE T. GLENN<br>Phone: (828)862-4701<br>Fax: (828)883-4028<br>FENCE@CITCOM.NET | <b>NAICS Codes &amp; Descriptions:</b><br>237310 HIGHWAY, STREET, AND BRIDGE CONSTRUCTION<br>238990 ALL OTHER SPECIALTY TRADE CONTRACTORS | DBE       |

1-1

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Virginia Department of Minority Business Enterprise  
1111 East Main Street, Suite 300 Richmond, VA 23219  
Phone: (804) 786-6585  
WAI Level A Compliant

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COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
**CERTIFICATION OF BINDING AGREEMENT**  
WITH  
**DISADVANTAGED BUSINESS ENTERPRISE FIRMS**

Project No.: 6007-053-S96

Federal Project No.: STP-5A01(229)

This form is to be submitted in accordance with the Department's Special Provision for Section 107.15.

It is hereby certified by the below signed Contractors that there exists a written quote, acceptable to the parties involved preliminary to a binding subcontract agreement stating the details concerning the work to be performed and the price which will be paid for the aforementioned work. This document is not intended to, nor should it be construed to, contain the entire text of the agreement between the contracting parties. This document does not take the place of, nor may it be substituted for, an official subcontracting agreement in those situations that may require such an agreement. A copy of the fully executed *subcontract agreement* shall be submitted to the Engineer within fourteen (14) business days after contract execution.

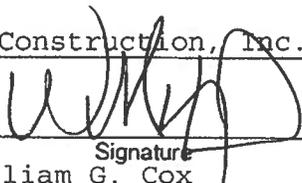
It is further certified that the aforementioned mutually acceptable quote and fully executed subcontract agreement represent the entire agreement between the parties involved and that no conversations, verbal agreements, or other forms of non-written representations shall serve to add to, delete, or modify the terms as stated.

The prime Contractor further represents that the aforementioned mutually acceptable quote and fully executed subcontract agreement shall remain on file for a period of not less than one year following completion of the prime's contract with the Department or for such longer period as provisions of governing Federal or State law or regulations may require. For purposes of this form, the term Prime Contractor shall refer to any Contractor utilizing a DBE subcontractor, regardless of tier, in which they are claiming DBE credit toward the contract goal.

Contractors further jointly and severally represent that said binding agreement is for the performance of a "commercially useful function" as that term is employed in 49 C.F.R. Part 26.55 (c), (d).

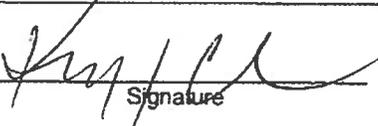
**TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER  
SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM**

Prime Contractor Corman Construction, Inc.

By:  President  
Signature Title  
William G. Cox Date: October 4, 2012

First Tier  
Subcontractor if  
Applicable

Eastern Clearing, Inc.

By:  President  
Signature Title  
Date: 10/3/2012

Second Tier  
Subcontractor if  
Applicable

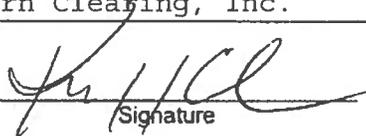
\_\_\_\_\_  
By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

Third Tier  
Subcontractor if  
Applicable

\_\_\_\_\_  
By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

DBE Contractor

Eastern Clearing, Inc.

By:   
Signature Title  
Date: 10/3/2012



### Disadvantaged Business Enterprise (DBE) Vendors Directory

[<<Return to the DBE Vendors Search](#)

#### Search by company names = eastern clearing

The following result(s) sorted by company name.

**Note:** Before printing, ensure that your browser print setup is set to landscape.

| Federal Type | Cert. # | Company Name, Mailing Address and Contact  | Description of Services   | DBE/ACDBI |
|--------------|---------|--|---|-----------|
| DBE/WBE      | 000251  | EASTERN CLEARING, INC.<br>Doing Business As:<br>6006 BEALETON ROAD<br>BEALETON, VA 22712<br>Contact: KAREN H. COLEMAN<br>Phone: (540)439-4163<br>Fax: (540)439-4103<br>KHAMPCOLEMAN@EASTERNCLEARINGINC.COM | <b>NAICS Codes &amp; Descriptions:</b><br>238910 DEMOLITION CONTRACTOR,<br>238910 EXCAVATING, EARTHMOVING, OR LAND CLEARING CONTRACTORS | DBE       |

1-1

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 Virginia Department of Minority Business Enterprise  
 1111 East Main Street, Suite 300 Richmond, VA 23219  
 Phone: (804) 786-6585  
 WAI Level A Compliant

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SAM CROSS SCROSS © EASTERN CLEARING INC .COM

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
CERTIFICATION OF BINDING AGREEMENT  
WITH  
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: 6007-053-S96

Federal Project No.: STP-5A01(229)

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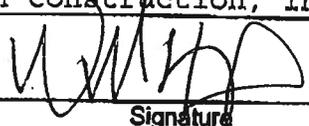
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Contractors further jointly and severally represent that said binding agreement is for the performance of a "commercially useful function" as that term is employed in 49 C.F.R. Part 26.55 (c), (d).

**TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER  
SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM**

Prime Contractor Corman Construction, Inc.

By: 

Signature

William G. Cox

President

Title

Date: October 4, 2012

First Tier  
Subcontractor if  
Applicable

Genesis Steel Service, Inc.

By: 

Signature

Vice-President

Title

Date: 10/3/2012

Second Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

Third Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

DBE Contractor

Genesis Steel Service, Inc.  
\_\_\_\_\_

By: James Dykes  
Signature Title  
Date: 10/3/2012



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Search by **company name = Genesis Steel Service**

The following result(s) sorted by company name.

**Total 1 search result(s)**

| <u>Federal Type</u> | <u>Certifying Agency</u> | <u>Cert #</u>    | <u>Company Name, Mailing Address and Contact</u>   | <u>Description of Service</u>   | <u>DBE/ACDBE</u> |
|---------------------|--------------------------|------------------|--|---|------------------|
| MBE                 | MWAA                     | DB2009-0079-2012 | Genesis Steel Service, Inc.<br>330 Back River Neck Road<br>Baltimore MD 21221-0000<br>Contact: Ronald Peed<br>Phone: 410-238-1890<br>Fax: 410-238-1909 | <b>NAICS Code and Description</b><br><b>236210:</b> Industrial Building Construction<br><b>237310:</b> Highway, Street, and Bridge Construction | DBE              |

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COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
CERTIFICATION OF BINDING AGREEMENT  
WITH  
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: 6007-053-S96

Federal Project No.: STP-5A01(229)

This form is to be submitted in accordance with the Department's Special Provision for Section 107.15.

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**TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER  
SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM**

Prime Contractor Corman Construction, Inc.

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

Signature

William G. Cox

President

Title

Date: October 4, 2012

First Tier  
Subcontractor if  
Applicable

Interlock Steelworkers, Inc.

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

Signature

J. Blessing

PRESIDENT

Title

Date: 10/3/2012

Second Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

Third Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

DBE Contractor

Interlock Steelworkers, Inc.  
\_\_\_\_\_

By: J.B.  
Signature  
J. Blessing  
Title  
PRESIDENT  
Date: 10/3/2012

### Disadvantaged Business Enterprise (DBE) Vendors Directory

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Search by company names = interlock

The following result(s) sorted by company name.

Note: Before printing, ensure that your browser print setup is set to landscape.

| Federal Type | Cert. # | Company Name, Mailing Address and Contact  | Description of Services   | DBE/ACDBE |
|--------------|---------|--|---|-----------|
| DBE/MBE      | 626263  | <b>INTERLOCK STEELWORKERS, INC.</b><br>Doing Business As:<br>2703 BACK ACRE CIRCLE<br>MOUNT AIRY, MD 21771<br>Contact: JOHN BLESSING<br>Phone: (301)829-7820<br>Fax: (301)829-6661<br>INTERLOCKSTEEL@YAHOO.COM | <b>NAICS Codes &amp; Descriptions:</b><br>238110 POURED CONCRETE FOUNDATION AND STRUCTURE CONTRACTORS<br>238120 STRUCTURAL STEEL AND PRECAST CONCRETE CONTRACTORS | DBE       |

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COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
CERTIFICATION OF BINDING AGREEMENT  
WITH  
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: 6007-053-S96

Federal Project No.: STP-5A01(229)

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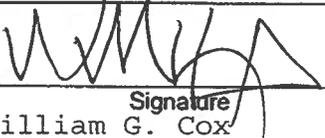
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**TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER  
SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM**

Prime Contractor Corman Construction, Inc.

By:   
Signature  
William G. Cox

President

Title

Date: October 4, 2012

First Tier  
Subcontractor if  
Applicable

Keys Material & Utilities, Inc.

By:   
Signature

President  
Title

Date: 10/3/2012

Second Tier  
Subcontractor if  
Applicable

\_\_\_\_\_  
By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

Third Tier  
Subcontractor if  
Applicable

\_\_\_\_\_  
By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

DBE Contractor

Keys Material & Utilities, Inc.  
\_\_\_\_\_  
By: Jewel Amkoy President  
Signature Title  
Date: 10/3/2012



## Disadvantaged Business Enterprise (DBE) Vendors Directory

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**Search by company names = keys material**

The following result(s) sorted by company name.

**Note:** Before printing, ensure that your browser print setup is set to landscape.

| Federal Type | Cert. # | Company Name, Mailing Address and Contact  | Description of Services   | DBE/ACDBE |
|--------------|---------|--|---|-----------|
| DBE/WBE      | 000227  | KEYS MATERIAL & UTILITIES, INC.<br>Doing Business As:<br>2705 MYSTIC WOODS CT.<br>MT. AIRY, MD 21771-8809<br>Contact: MS. JERRIE ANN KEYS<br>Phone: (301)854-5283<br>Fax: (301)854-5298<br>KEYSINC@COMCAST.NET | <b>NAICS Codes &amp; Descriptions:</b><br>332996 FABRICATED PIPE AND PIPE FITTING MANUFACTURING<br>423390 OTHER CONSTRUCTION MATERIAL MERCHANT WHOLESALERS<br>488510 FREIGHT TRANSPORTATION ARRANGEMENT | DBE       |

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423710 HARDWARE  
MERCHANT  
WHOLESALER

423720 PLUMBING AND  
HEATING  
EQUIPMENT AND  
SUPPLIES  
MERCHANT  
WHOLESALER

423730 WARM AIR  
HEATING AND AIR  
CONDITIONING  
EQUIPMENT AND  
SUPPLIES  
MERCHANT

424950 PAINT, VARNISH  
AND SUPPLIES  
MERCHANT  
WHOLESALER

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COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
CERTIFICATION OF BINDING AGREEMENT  
WITH  
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: 6007-053-S96

Federal Project No.: STP-5A01(229)

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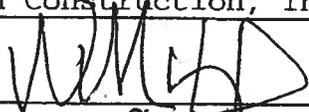
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SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM**

Prime Contractor Corman Construction, Inc.

By:   
Signature  
William G. Cox

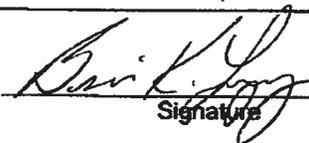
President

Title

Date: October 4, 2012

First Tier  
Subcontractor if  
Applicable

Metro Petroleum, Inc.

By:   
Signature

Dir. of Operations  
Title

Date: 10/3/2012

Second Tier  
Subcontractor if  
Applicable

\_\_\_\_\_  
By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

Third Tier  
Subcontractor if  
Applicable

\_\_\_\_\_  
By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

DBE Contractor

Metro Petroleum, Inc.  
\_\_\_\_\_  
By: Brian K. Long Dir. of Operations  
Signature Title  
Date: 10/3/2012



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### Disadvantaged Business Enterprise (DBE) Vendors Directory

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Search by company names = metro pet

The following result(s) sorted by company name.

**Note:** Before printing, ensure that your browser print setup is set to landscape.

| Federal Type | Cert. # | Company Name, Mailing Address and Contact   | Description of Services   | DBE/ACDBE |
|--------------|---------|---|---|-----------|
| DBE/WBE      | 691945  | METRO PETROLEUM, INC.<br>Doing Business As:<br>2702 BACK ACRE CIRCLE, STE. 240<br>MT. AIRY, MD 21771<br>Contact: TANYA COSTIGAN<br>Phone: (301)519-2600<br>Fax: (301)519-2101<br>TANYA@METROPETROLEUM.NET | <b>NAICS Codes &amp; Descriptions:</b><br>454312 LIQUEFIED PETROLEUM GAS (LPG) DEALERS, DIRECT SELLING<br>424720 PETROLEUM AND PETROLEUM PRODUCTS MERCHANT WHOLESALERS (EXCEPT BULK STATIONS AND TERMINALS)<br>454311 HEATING OIL DEALERS | DBE       |

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*Blippy @ metro petroleum.net*

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COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
CERTIFICATION OF BINDING AGREEMENT  
WITH  
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: 6007-053-S96

Federal Project No.: STP-5A01(229)

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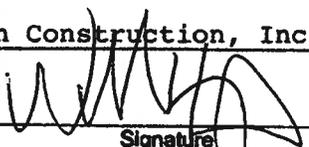
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SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM**

Prime Contractor Corman Construction, Inc.

By: 

Signature

William G. Cox

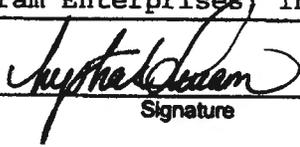
President

Title

Date: October 4, 2012

First Tier  
Subcontractor if  
Applicable

Seeram Enterprises, Inc.

By: 

Signature

CED/DOWNER  
Title

Date: 10/3/2012

Second Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

Third Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

DBE Contractor

Seeram Enterprises Inc.

\_\_\_\_\_

By:   
Signature Title  
Date: 10/3/2012



**Disadvantaged Business Enterprise (DBE) Vendors Directory**

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Search by company names = seeram

The following result(s) sorted by company name.

**Note:** Before printing, ensure that your browser print setup is set to landscape.

| Federal Type | Cert. # | Company Name, Mailing Address and Contact  | Description of Services  | DBE/ACDBE |
|--------------|---------|--|--|-----------|
| DBE/MBE      | 683020  | SEERAM ENTERPRISE LLC<br>Doing Business As: SEERAM ENTERPRISES LLC<br>8911 BRAE BROOK DRIVE<br>LANHAM, MD 20706<br>Contact: LYSTRA L. SEERAM<br>Phone: (240)764-8872<br>Fax: (240)764-8867<br>LSEERAM@SEERAMENTERPRISE.COM | <b>NAICS Codes &amp; Descriptions:</b><br>484110 GENERAL FREIGHT TRUCKING, LOCAL<br>488490 OTHER SUPPORT ACTIVITIES FOR ROAD TRANSPORTATION SPECIFICALLY: SNOW PLOWING | DBE       |

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COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
CERTIFICATION OF BINDING AGREEMENT  
WITH  
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: 6007-053-S96

Federal Project No.: STP-5A01(229)

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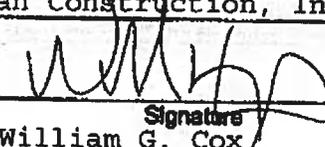
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Prime Contractor Corman Construction, Inc.

By: 

Signature

William G. Cox

President

Title

Date: October 4, 2012

First Tier  
Subcontractor if  
Applicable

Tavares Concrete Company, Inc.

By: 

Signature

PRESIDENT

Title

Date: 10/2/12

Second Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

Third Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

DBE Contractor

TAVARES CONCRETE COMPANY, INC.

By: [Signature] \_\_\_\_\_  
Signature Title

Date: 10/2/12



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Search by company names = tavar

The following result(s) sorted by company name.

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| Federal Type | Cert. # | Company Name, Mailing Address and Contact   | Description of Services   | DBE/ACDBE |
|--------------|---------|---|---|-----------|
| DBE/MBE      | 626436  | TAVARES CONCRETE COMPANY, INC.<br>Doing Business As:<br>8000 CINDER BED RD.<br>LORTON, VA 22079<br>Contact: ARMANDO J. TAVARES<br>Phone: (703)550-7377<br>Fax: (703)339-5546<br>KBETZ@TAVARESCONCRETE.COM | NAICS Codes & Descriptions:<br>237310 HIGHWAY, STREET, AND BRIDGE CONSTRUCTION<br>237310 CONCRETE PAVING (I.E., HIGHWAY, ROAD, STREET, PUBLIC SIDEWALK) | DBE       |

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COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
**CERTIFICATION OF BINDING AGREEMENT**  
WITH  
**DISADVANTAGED BUSINESS ENTERPRISE FIRMS**

Project No.: 6007-053-S96

Federal Project No.: STP-5A01(229)

This form is to be submitted in accordance with the Department's Special Provision for Section 107.15.

It is hereby certified by the below signed Contractors that there exists a written quote, acceptable to the parties involved preliminary to a binding subcontract agreement stating the details concerning the work to be performed and the price which will be paid for the aforementioned work. This document is not intended to, nor should it be construed to, contain the entire text of the agreement between the contracting parties. This document does not take the place of, nor may it be substituted for, an official subcontracting agreement in those situations that may require such an agreement. A copy of the fully executed *subcontract agreement* shall be submitted to the Engineer within fourteen (14) business days after contract execution.

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Contractors further jointly and severally represent that said binding agreement is for the performance of a "commercially useful function" as that term is employed in 49 C.F.R. Part 26.55 (c), (d).

**TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER  
SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM**

Prime Contractor Corman Construction, Inc.

By:

William G. Cox  
Signature

President  
Title

Date: October 4, 2012

First Tier  
Subcontractor if  
Applicable

Volkert, Inc.

By:

Matthew Cox  
Signature

Vice President  
Title

Date: 10/3/2012

Second Tier  
Subcontractor if  
Applicable

Cervantes & Associates, P.C.

By: Thomas Henriquez  
Signature

Vice President  
Title

Date: 10/3/2012

Third Tier  
Subcontractor if  
Applicable

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

\_\_\_\_\_ Title

Date: \_\_\_\_\_

DBE Contractor

Cervantes & Associates, P.C.

By: Thomas Henriquez  
Signature

Vice President  
Title

Date: 10/3/2012



### Disadvantaged Business Enterprise (DBE) Vendors Directory

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Search by company names = **Cervantes**

The following result(s) sorted by company name.

**Note:** Before printing, ensure that your browser print setup is set to landscape.

| Federal Type | Cert. # | Company Name, Mailing Address and Contact   | Description of Services   | DBE/ACDBE |
|--------------|---------|---|---|-----------|
| DBE/MBE      | 626438  | CERVANTES AND ASSOCIATES, P.C.<br>Doing Business As:<br>4229 LAFAYETTE CENTER DRIVE, SUITE 1125<br>CHANTILLY, VA 20151<br>Contact: RAFAEL T. CERVANTES<br>Phone: (703)691-4114<br>Fax: (703)657-0352<br>RCERVANTES@CERVANTES-ASSOCIATES.COM | <b>NAICS Codes &amp; Descriptions:</b><br>541330 ENGINEERING SERVICES | DBE       |

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Virginia Department of Minority Business Enterprise  
1111 East Main Street, Suite 300 Richmond, VA 23219  
Phone: (804) 786-6585  
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COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
**CERTIFICATION OF BINDING AGREEMENT**  
WITH  
**DISADVANTAGED BUSINESS ENTERPRISE FIRMS**

Project No.: 6007-053-S96

Federal Project No.: STP-5A01 (229)

This form is to be submitted in accordance with the Department's Special Provision for Section 107.15.

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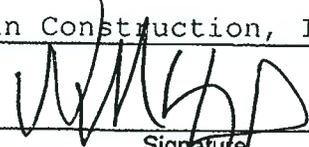
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SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM**

Prime Contractor Corman Construction, Inc.

By: 

Signature  
William G. Cox

President

Title

Date: October 4, 2012

First Tier  
Subcontractor if  
Applicable

Volkert, Inc.

By: 

Signature

Vice President

Title

Date: 10/3/2012

Second Tier  
Subcontractor if  
Applicable

Geoconcepts Engineering, Inc.

By:   
Signature

Principal  
Title

Date: 10/3/2012

Third Tier  
Subcontractor if  
Applicable

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

\_\_\_\_\_  
Title

Date: \_\_\_\_\_

DBE Contractor

Geoconcepts Engineering, Inc.

By:   
Signature

Principal  
Title

Date: 10/3/2012



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Search by company names = **geoconcepts**

The following result(s) sorted by company name.

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| Federal Type | Cert. # | Company Name, Mailing Address and Contact   | Description of Services   | DBE/ACDBE |
|--------------|---------|---|---|-----------|
| DBE/MBE      | 626642  | <b>GEOCONCEPTS ENGINEERING, INC.</b><br>Doing Business As:<br><b>GEOCONCEPTS ENGINEERING, INC.</b><br>19955 HIGHLAND VISTA DRIVE, SUITE 170<br>ASHBURN, VA 20147<br>Contact: VIVIAN H. LEWIS<br>Phone: (703)726-8030<br>Fax: (703)726-8032<br>CMCCLANAHAN@GEOCONCEPTS-ENG.COM | <b>NAICS Codes &amp; Descriptions:</b><br>541620 ENVIRONMENTAL CONSULTING SERVICES<br>541350 BUILDING INSPECTION SERVICES<br>541360 GEOPHYSICAL SURVEYING AND MAPPING SERVICES<br>541380 TESTING LABORATORIES<br>237110 WATER SEWER LINE AND RELATED STRUCTURES CONSTRUCTION (SPECIFICALLY PROJECT MANAGEMENT)<br>237310 HIGHWAY, STREET AND BRIDGE CONSTRUCTION (SPECIFICALLY PROJECT MANAGEMENT)<br>237990 OTHER HEAVY AND CIVIL ENGINEERING CONSTRUCTION (SPECIFICALLY | DBE       |

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PROJECT  
MANAGEMENT)  
541330 ENGINEERING  
SERVICES  
541690 OTHER  
SCIENTIFIC AND  
TECHNICAL  
TRADE  
CONTRACTORS  
541712 RESEARCH AND  
DEVELOPMENT  
IN THE  
PHYSICAL,  
ENGINEERING  
AND KUFU

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COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
**CERTIFICATION OF BINDING AGREEMENT**  
WITH  
**DISADVANTAGED BUSINESS ENTERPRISE FIRMS**

Project No.: 6007-053-S96

Federal Project No.: STP-5A01(229)

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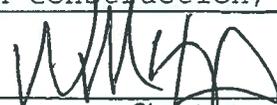
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Prime Contractor Corman Construction, Inc.

By: 

Signature  
William G. Cox

President

Title

Date: October 4, 2012

First Tier  
Subcontractor if  
Applicable

Volkert, Inc.

By: 

Signature

Vice President  
Title

Date: 10/3/2012

Second Tier  
Subcontractor if  
Applicable

Utility Professional Services, Inc.

By: Tanya A. Howe President  
Signature Title  
Tanya A. Howe Date: 10/3/2012

Third Tier  
Subcontractor if  
Applicable

By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

DBE Contractor

Utility Professional Services, Inc.

By: Tanya A. Howe President  
Signature Title  
Tanya A. Howe Date: 10/3/2012



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**Search by company names = Utility Pro**

The following result(s) sorted by company name.

**Note:** Before printing, ensure that your browser print setup is set to landscape.

| Federal Type | Cert. # | Company Name, Mailing Address and Contact  | Description of Services  | DBE/ACDBE |
|--------------|---------|--|--|-----------|
| DBE/WBE      | 676087  | UTILITY PROFESSIONAL SERVICES, INC<br>Doing Business As: UTILITYPROS<br>311 CANNON CIRCLE<br>FREDERICKSBURG, VA 22401<br>Contact: TANYA A. HOWE<br>Phone: (540)604-5877<br>Fax: (540)372-1269<br>TANYAHOWE@UTILITYPROS.COM | <b>NAICS Codes &amp; Descriptions:</b><br>541330 ENGINEERING CONSULTING SERVICES, ENGINEERING SERVICES (CIVIL, CONSTRUCTION, ELECTRICAL, DESIGN)<br>237210 LAND SUBDIVISION, LAND ACQUISITION, ASSEMBLING AND SUB-DIVIDING AND UTILITY INSTALLATION (E.G. ELECTRIC, GAS, TELECOM, AND CATV)<br>541340 DRAFTING SERVICES (DRY UTILITY DESIGN AND RELOCATIONS FOR ELECTRIC, GAS, TELECOM AND CATV) | DBE       |