

January 4, 2017

Letter of Submittal and Attachments

REQUEST FOR PROPOSALS A Design-Build Project

I-95 SAFETY IMPROVEMENTS AT ROUTE 3
FROM: 0.115 MILES SOUTH OF INT. ROUTE 3
TO: 1.220 MILES NORTH OF INT. ROUTE 3
City of Fredericksburg, Virginia

State Project No.: 0095-111-278
Federal Project No.: 0C-095-2(535)
Contract ID Number: C00107715DB91



Submitted By:



Branch Civil, Inc. | Whitman, Requardt & Associates, LLP

ATTACHMENT 4.0.1.1
I-95 Safety Improvements at Route 3
LETTER OF SUBMITTAL CHECKLIST AND CONTENTS

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

Letter of Submittal Component	Form (if any)	RFP Part 1 Cross Reference	Page Reference
Letter of Submittal Checklist and Contents	Attachment 4.0.1.1	Section 4.0.1.1	i - ii
Acknowledgement of RFP, Revisions, and/or Addenda	Attachment 3.4 (Form C-78-RFP)	Sections 3.4; 4.0.1.1	Attachment 3.4
Letter of Submittal	NA	Sections 4.1	Pages 1-2
Letter of Submittal on Offeror's letterhead	NA	Section 4.1.1	Page 1
Offeror's full legal name and address	NA	Section 4.1.1	Page 1
Authorized representative's original signature	NA	Section 4.1.1	Page 2
Declaration of intent	NA	Section 4.1.2	Page 1
120 day declaration	NA	Section 4.1.3	Page 1
Point of Contact information	NA	Section 4.1.4	Page 1
Principal Officer information	NA	Section 4.1.5	Pages 1-2
Offeror's Corporate Structure	NA	Section 4.1.6	Page 2
Full Legal Name of Lead Contractor, Lead Designer, and QAM	NA	Section 4.1.7	Page 2
Offeror's VDOT prequalification information	NA	Section 4.1.8	Page 2
DBE statement confirming Offeror is committed to achieving the required DBE goal	NA	Section 4.1.9	Page 2
Final Completion Date	NA	Section 4.1.10	Page 2

ATTACHMENT 4.0.1.1
I-95 Safety Improvements at Route 3
LETTER OF SUBMITTAL CHECKLIST AND CONTENTS

Letter of Submittal Component	Form (if any)	RFP Part 1 Cross Reference	Page Reference
Attachments to the Letter of Submittal	NA	Section 4.2	
Affiliated and/ or Subsidiary Companies	Attachment 4.2.1	Section 4.2.1	Attachment 4.2.1
Certification Regarding Debarment Forms	Attachment 4.2.2(a) Attachment 4.2.2(b)	Section 4.2.2	Attachments 4.2.2(a) and 4.2.2(b)
Offeror's VDOT prequalification information	NA	Section 4.2.3	Section 4.2.3
Evidence of obtaining bonding	NA	Section 4.2.4	Section 4.2.4
Full size copies of DPOR licenses and SCC registrations	NA	Section 4.2.5	Section 4.2.5
SCC registration information - businesses	Attachment 4.2.5	Section 4.2.5.1	Attachment 4.2.5
DPOR registration information - businesses	Attachment 4.2.5	Section 4.2.5.2	Attachment 4.2.5
Lead Contractor Work History Form	Attachment 4.2.6(a)	Section 4.2.6	Attachment 4.2.6(a)
Lead Designer Work History Form	Attachment 4.2.6(b)	Section 4.2.6	Attachment 4.2.6(b)
Conceptual Roadway Plans	NA	Section 4.2.7	Pages 3-29

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

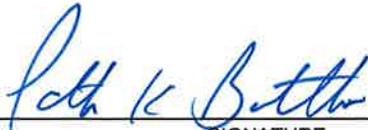
RFP NO. C00107715DB91
 PROJECT NO.: 0095-111-278, P101, C201, C501

ACKNOWLEDGEMENT OF RFP, REVISION AND/OR ADDENDA

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

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

1. Cover letter of RFP – September 27, 2016
(Date)
2. Cover letter of RFP Addendum #1 – October 14, 2016
(Date)
3. Cover letter of RFP Addendum #2 – November 10, 2016
(Date)
4. Cover letter of RFP Addendum #3 – December 02, 2016
(Date)
5. Cover letter of RFP Addendum #4 – December 05, 2016
(Date)
6. Cover letter of RFP Addendum #5 – December 14, 2016
(Date)



 SIGNATURE

12-20-16

 DATE

Patrick K. Bartorillo

PRINTED NAME

President

TITLE



January 4, 2017

Mr. Stephen D. Kindy, P.E.
Alternative Project Delivery Division
Virginia Department of Transportation
1401 East Broad Street
Annex Building, 8th Floor
Richmond, VA 23219

Re: Design-Build I-95 Safety Improvements at Route 3
State Project No.: 0095-111-278 | Federal Project No.: OC-095-2(535)
Contract ID Number: C00107715DB91 | Section 4.1 Letter of Submittal

Dear Mr. Kindy,

Branch Civil, Inc. (Branch) formerly Branch Highways, Inc., as the Offeror, is pleased to submit to the Virginia Department of Transportation (VDOT) this Letter of Submittal and accompanying Attachments in response to the Request for Proposals dated September 27, 2016 and revised by Addendum No.1 dated October 14, 2016, Addendum No. 2 dated November 10, 2016, Addendum No. 3 dated December 2, 2016, Addendum No. 4 dated December 5, 2016, and Addendum No. 5 dated December 14, 2016 for the above-referenced project.

Section 4.1.1 Branch Civil, Inc. will be the legal entity who will execute the Contract with VDOT. The address for Branch is as follows:
Branch Civil, Inc. • P.O. Box 40004 • Roanoke, VA 24022

Section 4.1.2 Branch Civil, Inc., if selected, will enter into a contract with VDOT for the Project in accordance with the terms of this RFP.

Section 4.1.3 Pursuant to Part 1, Section 8.2, Branch Civil, Inc., declares that the offer represented by the Price Proposal will remain in full force and effect for one hundred twenty (120) days after the date the Proposal is submitted to VDOT (“Letter of Submittal & Price Proposal Due Date”).

Section 4.1.4 Mr. Yisehak Shata will serve as the Point of Contact for Branch Civil, Inc.

Mr. Yisehak Shata, Design-Build Project Manager
Address: 10440 Balls Ford Road, Suite 270, Manassas, VA 20109
Tel: (571) 379-5603
Fax: (571) 379-5896
Email: Yisehak.Shata@branchcivil.com

Section 4.1.5 Mr. Patrick Bartorillo will serve as the Principal Officer for Branch Civil, Inc.
Mr. Patrick Bartorillo, President

Address: 442 Rutherford Ave, NE, Roanoke, VA 24016
Tel: (540) 982-1678
Fax: (540) 982-4217
Email: Patrick.Bartorillo@branchcivil.com

Section 4.1.6 Branch Civil, Inc. is a registered Corporation in the Commonwealth of Virginia. Branch Civil, Inc. will take full financial responsibility for the Project and has no known liability limitations.

Section 4.1.7 The Lead Contractor, Branch Civil, Inc., as the Offeror will serve as the prime/ general contractor responsible for overall construction of the Project and will serve as the legal entity who will execute the Contract with VDOT. Whitman, Requardt & Associates, LLP (WRA) is the prime design consulting firm responsible for the overall design of this Project. Whitman, Requardt & Associates, LLP (WRA) is defined as the firm proposed by the Offeror to provide the Quality Assurance Manager for the Project.

Section 4.1.8 Branch Civil, Inc.'s VDOT prequalification number is Vendor ID B319 and the current status is Active. See Section 4.2.3 VDOT Prequalification Information for Evidence.

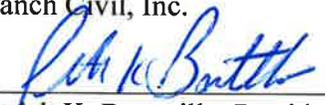
Section 4.1.9 Branch Civil, Inc. is committed to achieving a fourteen percent (14%) DBE participation goal for the entire value of the contract.

Section 4.1.10 Branch Civil, Inc. proposes a Final Completion Date of January 11, 2019.

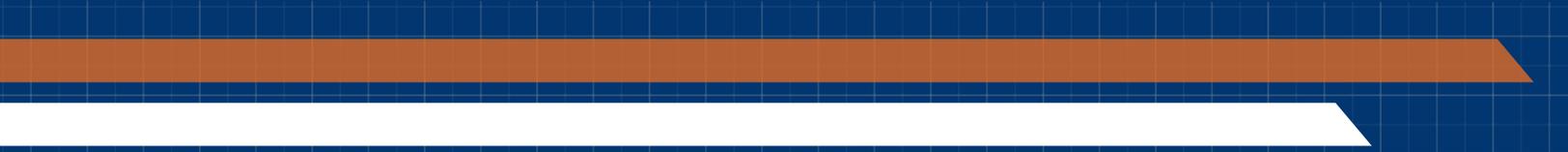
The Branch Design-Build Team appreciates the opportunity to present this Letter of Submittal and accompanying Attachments. We eagerly anticipate yet another successful delivery with this endeavor.

Sincerely,

Branch Civil, Inc.



Patrick K. Bartorillo, President



Section 4.2 Attachments to the Letter of Submittal

ATTACHMENT 4.2.2(a)
CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS

Project No.: 0095-111-278

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.

	12-20-14	President
Signature	Date	Title

Branch Civil, Inc.
Name of Firm

ATTACHMENT 4.2.2(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0095-111-278

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

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

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

 10/21/16
Signature Date

Senior Vice President
Title

Whitman, Requardt & Associates, LLP
Name of Firm

ATTACHMENT 4.2.2(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0095-111-278

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

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

<u>km</u>	<u>10.13.16</u>	<u>Principal Engineer</u>
Signature	Date	Title

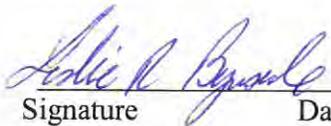
Engineering & Materials Technologies, Inc. (E.M. Tech)
Name of Firm

ATTACHMENT 4.2.2(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0095-111-278

- 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.

	October 19, 2016	Vice President
Signature	Date	Title

H&B Surveying and Mapping, LLC
Name of Firm

ATTACHMENT 4.2.2(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0095-111-278

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

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

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

	10/25/2016	VP/COO
Signature	Date	Title

Bowman Consulting Group, Ltd.
Name of Firm

ATTACHMENT 4.2.2(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0095-111-278

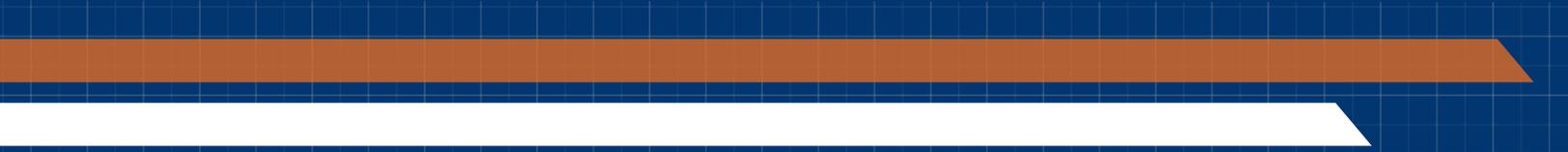
- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.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

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

 _____
Signature Date

Vice President/Principal Engineer
Title

ECS Mid-Atlantic, LLC
Name of Firm



Section 4.2.3 Offeror's VDOT Prequalification Information





COMMONWEALTH OF VIRGINIA



CERTIFICATE OF QUALIFICATION

BRANCH HIGHWAYS, INC.

Vendor Number: **B319**

In accordance with the Regulations of the Virginia Department of Transportation, your firm is hereby notified that the following Rating has been assigned to your firm:

PREQUALIFIED

Your firm specializes in the noted Classification(s):

GRADING; MAJOR STRUCTURES; UNDERGROUND UTILITIES

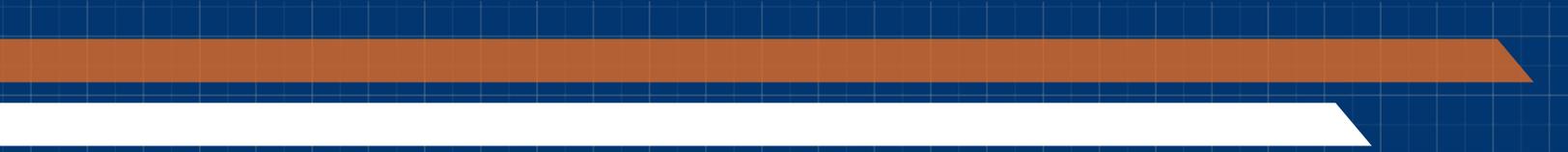
Issue Date: February 29, 2016

This Rating and Classification will Expire: February 28, 2017

Suzanne FR Lucas, State Prequalification Officer

Don E. Sillies, Director of Contracts

It is not permissible to alter this document, use after posted expiration date, or use by persons or firms other than those named on this certificate.



Section 4.2.4 Evidence of Obtaining Bonding

10 Franklin Road, SE
Suite 550
Roanoke, VA 24011
Tel (540) 343-8071
Fax (540) 345-2958



Charlotte
Greensboro
Knoxville
Lynchburg
Nashville
Raleigh
Richmond

January 4, 2017

Mr. Stephen D. Kindy, P.E.
Alternative Project Delivery Division
Virginia Department of Transportation
1401 East Broad Street
Annex Building, 8th Floor
Richmond, VA 23219

Re: **Branch Civil, Inc.**
Virginia Department of Transportation
Request for Proposals
A Design-Build Project
I-95 Safety Improvements at Route 3
From: 0.115 Miles South of Int. Route 3
To: 1.220 Miles North of Int. Route 3
City of Fredericksburg, Virginia
State Project No.: 0095-111-278
Federal Project No.: OC-095-2(535)
Contract ID Number: C00107715DB91

Dear Mr. Kindy:

The Hartford, through its operating entities, has issued surety bonds to Branch Civil, Inc., a subsidiary of The Branch Group since 1995. During this time we have favorably considered projects up to \$150,000,000 with an aggregate program of \$850,000,000 for member companies of The Branch Group. Our experience with Branch Civil, Inc. has been excellent, and we highly recommend them to you.

As surety for Branch Civil, Inc., The Hartford will favorably consider providing a 100% Performance Bond and a 100% Labor and Materials Payment Bond for the referenced project in the anticipated cost of construction and said bonds will cover the Project and any warranty periods as provided for in the Contract Documents on behalf of the Contractor, provided a contract is awarded to, and executed by Branch Civil, Inc.

Please understand that any arrangement for any bonds is a matter between Branch Civil, Inc. and The Hartford and we assume no liability to third parties or you if, for any reason, we do not issue requested bonds.

The Hartford expressly reserves the right to review the terms and conditions of the contract, contract amount and bond form, evaluate pertinent underwriting data, and verify the adequacy of project financing prior to the issuance of bonds for the referenced project.

Branch Civil, Inc. bonds are issued through Hartford Fire Insurance Company which is listed on the U.S. Treasury Department List and has an A.M. Best Rating of "A+" with Financial Size Category: XV (\$2 Billion or greater). They are licensed to do business in the State of Virginia.

This letter will expire one hundred and eighty (180) days from the above date.

Sincerely,



Theresa S. Stump, Attorney-In-Fact

cc: Branch Civil, Inc.
Hartford Fire Insurance Company

POWER OF ATTORNEY

Direct Inquiries/Claims to:

THE HARTFORD
BOND, T-12
One Hartford Plaza
Hartford, Connecticut 06155
Bond.Claims@thehartford.com

call: 888-266-3488 or fax: 860-757-5835

KNOW ALL PERSONS BY THESE PRESENTS THAT:

Agency Code: 14-730214 (MC), 14-730836, 14-731912
Agency Name: JAMES A SCOTT & SON INC

- Hartford Fire Insurance Company, a corporation duly organized under the laws of the State of Connecticut
- Hartford Casualty Insurance Company, a corporation duly organized under the laws of the State of Indiana
- Hartford Accident and Indemnity Company, a corporation duly organized under the laws of the State of Connecticut
- Hartford Underwriters Insurance Company, a corporation duly organized under the laws of the State of Connecticut
- Twin City Fire Insurance Company, a corporation duly organized under the laws of the State of Indiana
- Hartford Insurance Company of Illinois, a corporation duly organized under the laws of the State of Illinois
- Hartford Insurance Company of the Midwest, a corporation duly organized under the laws of the State of Indiana
- Hartford Insurance Company of the Southeast, a corporation duly organized under the laws of the State of Florida

having their home office in Hartford, Connecticut, (hereinafter collectively referred to as the "Companies") do hereby make, constitute and appoint, **up to the amount of unlimited:**

Christi Horn, Lisa M. Battista, B. Jones III of Franklin TN; Stephen B. Dolin, Joanna M. Carson, Barbara Dawn Martin, Melissa L. Viar of Lynchburg VA; Stacey W. Hall, Nancy L. Adams, James J. Roberts, III, Stacey Boyle of Richmond VA; Robert M. Coon of Greensboro NC; Windy Lovelady of Raleigh NC; Tambri Doby of Charlotte NC; Sherrie B. Denison, Bethany Murphy, Deanna W. Sparks, Theresa S. Stump of Roanoke, VA

their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign its name as surety(ies) only as delineated above by , and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

In Witness Whereof, and as authorized by a Resolution of the Board of Directors of the Companies on May 6, 2015 the Companies have caused these presents to be signed by its Senior Vice President and its corporate seals to be hereto affixed, duly attested by its Assistant Secretary. Further, pursuant to Resolution of the Board of Directors of the Companies, the Companies hereby unambiguously affirm that they are and will be bound by any mechanically applied signatures applied to this Power of Attorney.



John Gray

John Gray, Assistant Secretary

M. Ross Fisher

M. Ross Fisher, Senior Vice President

STATE OF CONNECTICUT }
COUNTY OF HARTFORD } ss. Hartford

On this 11th day of January, 2016, before me personally came M. Ross Fisher, to me known, who being by me duly sworn, did depose and say: that he resides in the County of Hartford, State of Connecticut; that he is the Senior Vice President of the Companies, the corporations described in and which executed the above instrument; that he knows the seals of the said corporations; that the seals affixed to the said instrument are such corporate seals; that they were so affixed by authority of the Boards of Directors of said corporations and that he signed his name thereto by like authority



CERTIFICATE

Kathleen T. Maynard

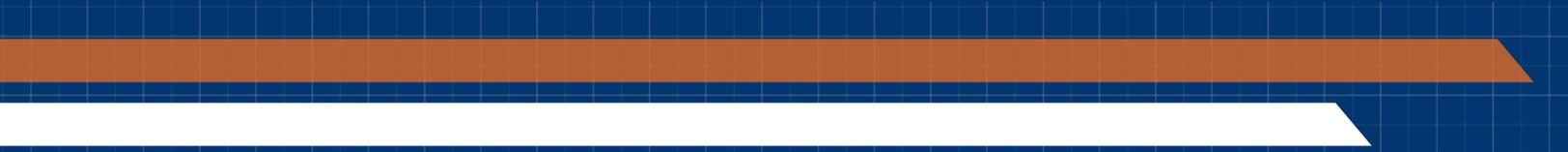
Kathleen T. Maynard
Notary Public
My Commission Expires July 31, 2021

I, the undersigned, Assistant Vice President of the Companies, DO HEREBY CERTIFY that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is still in full force effective as of
Signed and sealed at the City of Hartford. January 4, 2017



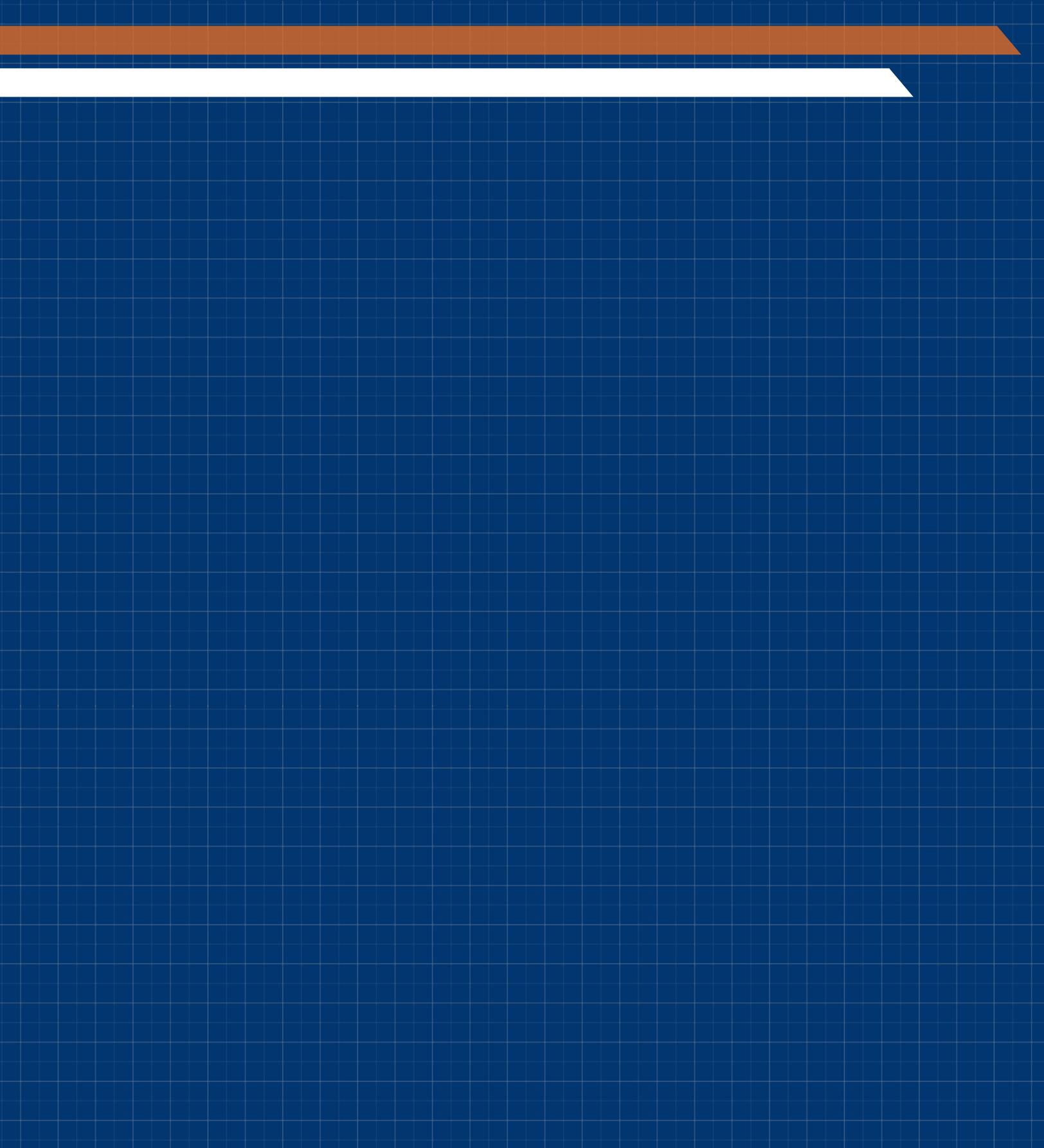
Kevin Heckman

Kevin Heckman, Assistant Vice President



Section 4.2.5
Full Size Copies of DPOR Licenses
and SCC Registrations





ATTACHMENT 4.2.5

State Project No. 0095-111-278

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.

SCC & DPOR INFORMATION FOR BUSINESSES (RFP Sections 4.2.5.1 and 4.2.5.2)							
Business Name	SCC Information (4.2.5.1)			DPOR Information (4.2.5.2)			
	SCC Number	SCC Type of Corporation	SCC Status	DPOR Registered Address	DPOR Registration Type	DPOR Registration Number	DPOR Expiration Date
Branch Civil, Inc. (formally known as Branch Highways, Inc.)	0295618-3	Corporation	Active	PO Box 40004 Roanoke, VA 24022-0004	Class A Contractor	2701029434	03/31/2017
Whitman, Requardt & Associates, LLP	K000382-4	Limited Liability Partnership	Active	9030 Stony Point Parkway, Suite 220 Richmond, VA 23235	ENG	0411000133	02/28/2018
Whitman, Requardt & Associates, LLP	K000382-4	Limited Liability Partnership	Active	801 South Caroline Street Baltimore, MD 21231	ENG, LS, LA, ARC	0407001676	12/31/2017
Whitman, Requardt & Associates, LLP	K000382-4	Limited Liability Partnership	Active	3701 Pender Drive, Suite 450 Fairfax, VA 22030	ENG	0411000134	02/28/2018
Engineering & Materials Technologies, Inc. (E.M. Tech)	04786331	Corporation	Active	7857 Coppermine Drive Manassas, VA 20109	Business Entity	0407005994	12/31/2017
H&B Surveying and Mapping, LLC	S290560-4	Limited Liability Company	Active	612 Hull Street Suite 101B Richmond, VA 23224	Business Entity	0407005432	12/31/2017

ATTACHMENT 4.2.5

State Project No. 0095-111-278

SCC and DPOR Information

Bowman Consulting Group, Ltd.	04481982	S-Corp	Active	3951 Westerre Parkway, Suite 150, Richmond, VA 23233	ENG, LS	04411000610	02/28/2018
Bowman Consulting Group, Ltd.	04481982	S-Corp	Active	650A Nelms Circle, Fredericksburg, VA 22406	LS, ENG	04411000421	02/28/2018
Bowman Consulting Group, Ltd.	04481982	S-Corp	Active	650A Nelms Circle, Fredericksburg, VA 22406	Appraisal	4008001873	03/31/2018
ECS Mid-Atlantic, LLC	S-120821-6	LLC	Active	915 Maple Grove Drive, Suite 100, Fredericksburg, VA 22407	ENG	0411000383	02/28/2018

Commonwealth of Virginia



STATE CORPORATION COMMISSION

Richmond,

November 25, 1986

This is to Certify that the certificate of incorporation of
BRANCH HIGHWAYS, INC.

*was this day issued and admitted to record in this office
and that the said corporation is authorized to transact its
business subject to all the laws of the State applicable to the
corporation and its business.*



State Corporation Commission

George M. Bynum
Clerk of the Commission

Commonwealth of Virginia



State Corporation Commission

CERTIFICATE OF GOOD STANDING

I Certify the Following from the Records of the Commission:

That BRANCH HIGHWAYS, INC. is duly incorporated under the law of the Commonwealth of Virginia;

That the date of its incorporation is November 25, 1986;

That the period of its duration is perpetual; and

That the corporation is in existence and in good standing in the Commonwealth of Virginia as of the date set forth below.

Nothing more is hereby certified.



Signed and Sealed at Richmond on this Date:

June 10, 2014

Joel H. Peck

Joel H. Peck, Clerk of the Commission

Cases regarding communications and energy matters established after January 1, will start with PUR-2017-XXXXX. Prior year, active and closed cases are not affected.

Alert to corporations regarding unsolicited mailings from VIRGINIA COUNCIL FOR CORPORATIONS is available from the Bulletin Archive link of the Clerk's Office website.

SCC Home |
Contact SCC |
Site Map |
Search



Virginia.gov

12/20/16

16:46:17

CISM3050

REGISTERED AGENT INQUIRY

CORP ID:	0295618	- 3	CORP STATUS:	00	ACTIVE
CORP NAME:	Branch Civil, Inc.				

CURRENT REGISTERED AGENT:

NAME: MELANIE F WHEELER
STREET: 442 RUTHERFORD AVE NE

CITY: ROANOKE STATE: VA ZIP: 24016-0000
STATUS: 2 OFFICER EFF DATE: 01/11/08 LOC: 217 ROANOKE CITY

OLD REGISTERED AGENT:

NAME: J K SPEAS
STREET: 442 RUTHERFORD AVE NE

CITY: ROANOKE STATE: VA ZIP: 24016-0000
STATUS: 2 OFFICER EFF DATE: 01/29/03 LOC: 217 ROANOKE CITY

(Screen Id:/Corp_Registered_Agent_Inquiry)

**DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA**

**EXPIRES ON
03-31-2017**

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

**NUMBER
2701029434**

**BOARD FOR CONTRACTORS
CLASS A CONTRACTOR
CLASSIFICATIONS H/H**

**BRANCH HIGHWAYS INC
PO BOX 40004
ROANOKE, VA 24022-0004**



Jay W. DeBoer
Jay W. DeBoer, Director

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

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

(POCKET CARD)

COMMONWEALTH OF VIRGINIA

**CLASS A BOARD FOR CONTRACTORS
CONTRACTOR**

***CLASSIFICATIONS* H/H
NUMBER: 2701029434 EXPIRES: 03-31-2017**

**BRANCH HIGHWAYS INC
PO BOX 40004
ROANOKE, VA 24022-0004**



(FOLD)

(DETACH HERE)

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

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

Commonwealth OF Virginia



State Corporation Commission

CERTIFICATE OF FACT

I Certify the Following from the Records of the Commission:

On August 10, 2000, a statement of registration as a foreign registered limited liability partnership was filed in the Clerk's Office of the Commission by Whitman, Requardt & Associates, LLP, a Maryland partnership.

As of the date below, this statement of registration is in effect.

Nothing more is hereby certified.

*Signed and Sealed at Richmond on this Date:
July 7, 2016*



Joel H. Peck
Joel H. Peck, Clerk of the Commission

Commonwealth of Virginia



STATE CORPORATION COMMISSION

Richmond, August 10, 2000

This is to Certify that the statement of registration of

Whitman, Requardt & Associates, LLP

a limited liability partnership registered under the laws of MARYLAND; was this day admitted to record in this office and that the partnership is registered to transact business in Virginia as a foreign Registered Limited Liability Partnership, subject to all laws applicable to the partnership and its business.



State Corporation Commission

Attest:

Joel H. Beck

Clerk of the Commission



COMMONWEALTH OF VIRGINIA
STATE CORPORATION COMMISSION

Office of the Clerk

June 14, 2016

CT CORPORATION SYSTEM
4701 COX ROAD, SUITE 285
GLEN ALLEN, VA 23060

RECEIPT

RE: WHITMAN, REQUARDT & ASSOCIATES, LLP

ID: K000382 - 4

DCN: 16-06-14-0536

Dear Customer:

This is your receipt for \$50.00 to cover the fee for filing the annual continuation report for the above-referenced registered limited liability partnership.

The annual continuation report was filed on June 14, 2016.

If you have any questions, please call (804) 371-9733 or toll-free in Virginia, 1-866-722-2551

Sincerely,

Joel H. Peck
Clerk of the Commission

GPACCEPT
CISCCJ

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON
02-28-2018

NUMBER
0411000133

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

PROFESSIONS: ENG



WHITMAN REQUARDT AND ASSOCIATES
9030 STONY POINT PKWY STE 220
RICHMOND, VA 23235



Jay W. DeBoer
Jay W. DeBoer, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

(DETACH HERE)

DPOR COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

BOARD FOR APESCIDLA
BUSINESS ENTITY BRANCH OFFICE REGISTRATION

NUMBER: 0411000133 EXPIRES: 02-28-2018

PROFESSIONS: ENG

WHITMAN REQUARDT AND ASSOCIATES
9030 STONY POINT PKWY STE 220
RICHMOND, VA 23235



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (05/2015)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

12-31-2017

NUMBER

0407001676

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

PROFESSIONS: ENG, LS, LA, ARC



WHITMAN, REQUARDT AND ASSOCIATES LLP
801 SOUTH CAROLINE STREET
BALTIMORE, MD 21231



Status can be verified at <http://www.dpor.virginia.gov>

July W. DeBoer
July W. DeBoer Director

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

(DETACH HERE)

DPOR COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

BOARD FOR APESCIDLA
BUSINESS ENTITY REGISTRATION
NUMBER: 0407001676 EXPIRES: 12-31-2017
PROFESSIONS: ENG, LS, LA, ARC
WHITMAN, REQUARDT AND ASSOCIATES LLP
801 SOUTH CAROLINE STREET
BALTIMORE, MD 21231



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (05/2015)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

02-28-2018

NUMBER

0411000134

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

PROFESSIONS: ENG



WHITMAN REQUARDT AND ASSOCIATES
3701 PENDER DRIVE
SUITE 450
FAIRFAX, VA 22030-6045



Status can be verified at <http://www.dpor.virginia.gov>

Jay W. DeBoer
Jay W. DeBoer Director

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

(DETACH HERE)



COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

BOARD FOR APELSCIDLA
BUSINESS ENTITY BRANCH OFFICE REGISTRATION
NUMBER: 0411000134 EXPIRES: 02-28-2018
PROFESSIONS: ENG
WHITMAN REQUARDT AND ASSOCIATES
3701 PENDER DRIVE
SUITE 450
FAIRFAX, VA 22030-6045



(FOLD)

Commonwealth OF Virginia



State Corporation Commission

CERTIFICATE OF GOOD STANDING

I Certify the Following from the Records of the Commission:

That ENGINEERING & MATERIALS TECHNOLOGIES, INC. is duly incorporated under the law of the Commonwealth of Virginia;

That the date of its incorporation is January 29, 1997;

That the period of its duration is perpetual; and

That the corporation is in existence and in good standing in the Commonwealth of Virginia as of the date set forth below.

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:
February 4, 2016*

Joel H. Peck

Joel H. Peck, Clerk of the Commission

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10/17/16

CISM0180 CORPORATE DATA INQUIRY

09:21:48

CORP ID: 0478633 - 1 STATUS: 00 ACTIVE STATUS DATE: 01/29/97
CORP NAME: ENGINEERING & MATERIALS TECHNOLOGIES, INC.

DATE OF CERTIFICATE: 01/29/1997 PERIOD OF DURATION: INDUSTRY CODE: 70
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: SHAHZAD S MOOSA

STREET: 7857 COPPERMINE DR AR RTN MAIL:

CITY: MANASSAS STATE : VA ZIP: 20109-0000
R/A STATUS: 2 OFFICER EFF. DATE: 07/20/06 LOC : 176
ACCEPTED AR#: 216 01 5764 DATE: 12/30/15 PRINCE WILLIAM
CURRENT AR#: 216 01 5764 DATE: 12/30/15 STATUS: A ASSESSMENT INDICATOR: 0
YEAR FEES PENALTY INTEREST TAXES BALANCE TOTAL SHARES
16 100.00 5,000

(Screen Id:/Corp_Data_Inquiry)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

12-31-2017

NUMBER

0407005994

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

PROFESSIONS: ENG



ENGINEERING & MATERIALS TECHNOLOGIES, INC
7857 COPPERMINE DR
MANASSAS, VA 20109



Jay W. DeBoer
Jay W. DeBoer, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

(DETACH HERE)



COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

BOARD FOR APELSCIDLA
BUSINESS ENTITY REGISTRATION

NUMBER: 0407005994 EXPIRES: 12-31-2017

PROFESSIONS: ENG

ENGINEERING & MATERIALS TECHNOLOGIES, INC
7857 COPPERMINE DR
MANASSAS, VA 20109



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (05/2015)

Commonwealth of Virginia



STATE CORPORATION COMMISSION

Richmond, April 27, 2009

This is to certify that the certificate of organization of

H & B Surveying and Mapping, LLC

was this day issued and admitted to record in this office and that the said limited liability company is authorized to transact its business subject to all Virginia laws applicable to the company and its business. Effective date: April 27, 2009



State Corporation Commission

Attest:

Joel H. Beck
Clerk of the Commission

SCC ID: S2905604

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation
9960 Mayland Drive, Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

EXPIRES ON

12-31-2017

NUMBER

0407005432

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

PROFESSIONS: LS



H & B SURVEYING & MAPPING LLC
612 HULL ST
SUITE 101B
RICHMOND, VA 23224



Status can be verified at <http://www.dpor.virginia.gov>

A handwritten signature in cursive script, reading 'Jay W. DeBoer'.
Jay W. DeBoer Director

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

Commonwealth OF Virginia



State Corporation Commission

CERTIFICATE OF GOOD STANDING

I Certify the Following from the Records of the Commission:

That BOWMAN CONSULTING GROUP, LTD. is duly incorporated under the law of the Commonwealth of Virginia;

That the date of its incorporation is June 7, 1995;

That the period of its duration is perpetual; and

That the corporation is in existence and in good standing in the Commonwealth of Virginia as of the date set forth below.

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:
October 21, 2016*

Joel H. Peck

Joel H. Peck, Clerk of the Commission

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10/27/16

CISM0180 CORPORATE DATA INQUIRY

14:57:30

CORP ID: 0448198 - 2 STATUS: 00 ACTIVE STATUS DATE: 08/04/16
CORP NAME: BOWMAN CONSULTING GROUP, LTD.

DATE OF CERTIFICATE: 06/07/1995 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: 700.00 MON NO: MON STATUS: MONITOR DTE:
R/A NAME: CORPORATION SERVICE COMPANY

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

CITY: RICHMOND STATE : VA ZIP: 23219-0000

R/A STATUS: 5 B.E. AUTH IN VI EFF. DATE: 08/17/16 LOC : 216
ACCEPTED AR#: 216 53 9571 DATE: 10/25/16 RICHMOND CITY
CURRENT AR#: 216 53 9571 DATE: 10/25/16 STATUS: A ASSESSMENT INDICATOR: 0
YEAR FEES PENALTY INTEREST TAXES BALANCE TOTAL SHARES
16 1,700.00 170.00 360,000

(Screen Id:/Corp_Data_Inquiry)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON
02-28-2018

NUMBER
0411000610

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

PROFESSIONS: ENG, LS



BOWMAN CONSULTING GROUP LTD
3951 WESTERRE PKWY
SUITE 150
RICHMOND, VA 23233



Jay W. DeBoer
Jay W. DeBoer Director

Status can be verified at <http://www.dpor.virginia.gov>

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DPOR-LIC (05/2015)

(DETACH HERE)



COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

BOARD FOR APELSCIDLA
BUSINESS ENTITY BRANCH OFFICE REGISTRATION
NUMBER: 0411000610 EXPIRES: 02-28-2018
PROFESSIONS: ENG, LS
BOWMAN CONSULTING GROUP LTD
3951 WESTERRE PKWY
SUITE 150
RICHMOND, VA 23233



(FOLD)

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DPOR-PC (05/2015)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

02-28-2018

NUMBER

0411000421

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

PROFESSIONS: LS, ENG



BOWMAN CONSULTING GROUP LTD
650A NELMS CIRCLE
FREDERICKSBURG, VA 22406



Jan W. DeBoer
Jan W. DeBoer, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

(DETACH HERE)



COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

BOARD FOR APELSCIDLA
BUSINESS ENTITY BRANCH OFFICE REGISTRATION
NUMBER: 0411000421 EXPIRES: 02-28-2018
PROFESSIONS: LS, ENG
BOWMAN CONSULTING GROUP LTD
650A NELMS CIRCLE
FREDERICKSBURG, VA 22406



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (05/2015)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON
03-31-2018

NUMBER
4008001873

REAL ESTATE APPRAISER BOARD APPRAISAL BUSINESS REGISTRATION



BOWMAN CONSULTING GROUP LTD
650 A NELMS CIRCLE
FREDERICKSBURG, VA 22406



Jan W. DeBoer
Jan W. DeBoer Director

License can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

(DETACH HERE)

DPOR COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

REAL ESTATE APPRAISER BOARD
APPRAISAL BUSINESS REGISTRATION

NUMBER: 4008001873 EXPIRES: 03-31-2018

BOWMAN CONSULTING GROUP LTD
650 A NELMS CIRCLE
FREDERICKSBURG, VA 22406



(FOLD)

Commonwealth of Virginia



STATE CORPORATION COMMISSION

Richmond, April 16, 2004

This is to certify that the certificate of organization of

**Engineering Consulting Services - Mid-Atlantic,
LLC**

SCC ID: S1208216

was this day issued and admitted to record in this office and that the said limited liability company is authorized to transact its business subject to all Virginia laws applicable to the company and its business. Effective date: April 16, 2004



State Corporation Commission

Attest:

Joel H. Peck
Clerk of the Commission

COMMONWEALTH OF VIRGINIA
STATE CORPORATION COMMISSION

AT RICHMOND, AUGUST 5, 2004

The State Corporation Commission has found the accompanying articles submitted on behalf of

ECS - Mid-Atlantic, LLC
(formerly known as Engineering Consulting Services - Mid-Atlantic, LLC)

to comply with the requirements of law, and confirms payment of all required fees. Therefore, it is ORDERED that this

CERTIFICATE OF AMENDMENT

be issued and admitted to record with the articles of amendment in the Office of the Clerk of the Commission, effective August 5, 2004.

STATE CORPORATION COMMISSION

By

A handwritten signature in black ink that reads "Mark L. Christie". The signature is written in a cursive style with a large initial "M".

Commissioner

Commonwealth OF Virginia



State Corporation Commission

CERTIFICATE OF FACT

I Certify the Following from the Records of the Commission:

That ECS - Mid-Atlantic, LLC is duly organized as a limited liability company under the law of the Commonwealth of Virginia;

That the date of its organization is April 16, 2004; and

That the limited liability company is in existence in the Commonwealth of Virginia as of the date set forth below.

Nothing more is hereby certified.

Signed and Sealed at Richmond on this Date:

January 4, 2016

A handwritten signature in cursive script that reads "Joel H. Peck".

Joel H. Peck, Clerk of the Commission



COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

02-28-2018

NUMBER

0411000383

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

PROFESSIONS: ENG



ECS-MID-ATLANTIC LLC
915 MAPLE GROVE DR
STE 100
FREDERICKSBURG, VA 22407-6935



Jay W. DeBoer
Jay W. DeBoer, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

(DETACH HERE)



COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

BOARD FOR APELSCIDLA
BUSINESS ENTITY BRANCH OFFICE REGISTRATION
NUMBER: 0411000383 EXPIRES: 02-28-2018
PROFESSIONS: ENG
ECS-MID-ATLANTIC LLC
915 MAPLE GROVE DR
STE 100
FREDERICKSBURG, VA 22407-6935



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (05/2015)

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	
Name: I-95 HOT/HOV Express Lanes Segment 1 Design-Build/PPTA Location: Prince William and Stafford Counties, VA	Name: HDR, Inc.	Name of Client/ Owner: Fluor-Lane 95 Phone: (703) 839-7248 Project Manager: Mr. Jeff Taylor, P.E. Phone: (703) 244-6685 Email: jeff.taylor@fluorlane95.com	12/2014	07/2015	\$46,999	\$46,847	\$46,847

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. The Work History Form shall include only one singular project. Projects with multiple phases, segments, elements, and/or contracts shall not be considered a single project. If a project listed includes multiple phases, segments, elements, and/or contracts, the SOQ may be rendered non-responsive. In any case, only the first phase, segment, element, and/or contract listed will be evaluated.

<p>Verifiable Evidence of Performance</p> <ul style="list-style-type: none"> ▪ Completion Under Budget ▪ Completion On Time of ~9 Miles of I-95 Express Lanes & Widening ▪ Several Field Design Changes to Mitigate Geotechnical Challenges ▪ Coordination with Bridge, ITS, MSE/Retaining/Soundwall throughout the Corridor ▪ No Significant Quality Control Deficiencies ▪ No Employee Ingress/Egress Accidents 	<p>As a key contractor for this project, Branch was the primary constructor/coordinator of the 9 new miles of roadway (Segment 1), which extended the I-95 HOT/Express Lanes from just south of Exit 152 in Dumfries to Exit 143 in Garrisonville. Similar to the work on the I-95 at Route 3 Project, Segment 1 included construction of new Express Lanes in the median between existing general purpose lanes and general purpose lane widening in three locations totaling over 7,500 LF, to provide ingress and egress to the newly constructed HOT/Express lanes. Major items of work in this corridor were clearing, erosion and sediment control in highly sensitive areas, nearly 1,000,000 CY of earthwork, extensive drainage improvements, box culverts, sound wall construction for nearly the entire length of the project, 2 new flyover bridges with interchange improvements, MSE & retaining walls, and installation of ITS & electrical components. Extensive coordination was necessary with other trades and contractors on the project to ensure that all work was performed in the most cost effective, efficient way possible.</p> <p>One of the first contractors to join the project, Branch participated in working design review meetings, providing constructability analysis before and during construction. The schedule for this project was critical, requiring precise coordination between all major work types in order to bring the project to a successful completion in such a short amount of time. Through careful planning and extensive coordination, Branch was able to accelerate the schedule for their contractual work, which included: <i>All Earthwork including access and final grading, MSE Retaining Walls/Bridge Approaches, Subbase, Soil Nail Retaining Wall, RW3 Retaining Walls, Storm Drainage, Retention Ponds, Water Quality Structures, Paved Ditches, E&S Control, Wetland Protection, MOT, and Demolition.</i></p> <p>Branch also coordinated with and provided additional access grading for the following activities performed by other subcontractors, such that all phases of work could achieve their respective milestones: Bridges & Abutments, Soundwalls, Permanent Barrier Wall, ITS & VDOT Utilities, Paving, Signage, Guardrail, and Pavement Markings. Branch played an active role in mitigating various conflicts and challenges throughout the project. Numerous Field Design Changes (FDC) were initiated to resolve design conflicts and make efficient use of onsite material. These FDC's resulted in reductions to both cost and schedule. One of the first priorities was designing safe ingress/egress throughout the project. Construction entrances were designed to minimize impacts to the traveling public and reduce cost by utilizing existing guardrail and shoulder facilities wherever possible. Diligent maintenance to these entrances ensured that minimal repairs were needed at the conclusion of the project.</p> <p>High plasticity clay, highly weathered acidic rock, and saturated materials each posed its own set of geotechnical concerns, and were dealt with on a case-by-case basis. Although offsite disposal was employed for the worst material encountered, thorough analysis of in-situ materials presented the opportunity to utilize mechanical and chemical manipulation to generate suitable roadway fill. These methods accelerated schedule, and in some cases reduced cost. It is likely that similar conditions will be encountered on the proposed I-95 at Route 3 Project, and Branch has the proven knowledge and experience to mitigate them efficiently and effectively.</p> <p>The extensive noise barrier requirements on this project placed an enormous demand on available design and fabrication resources. The I-95 at Route 3 project may encounter similar instances as many projects along the corridor have proposed noise barriers that will be under construction at the same time.. Our experience and relationships with local wall suppliers make us uniquely suited to manage this work effectively. ITS and electrical work was another key component that this project shares with the I-95 at Route 3 Project; coordination with the design and construction of the roadway prism was critical to allow for ample time for installation and testing of ITS & electrical facilities.</p>
<p>Scope & Complexity Similarities</p> <ul style="list-style-type: none"> ▪ Identical I-95 Corridor Location/Traffic Volume ▪ VDOT Design-Build ▪ FHWA Guidelines and Requirements ▪ Interstate Construction/Widening ▪ Complex Construction Sequencing/Coordination ▪ Soundwall Construction ▪ ITS and Lighting Facilities ▪ ROW Acquisition ▪ Utility Relocations ▪ Median Crossovers ▪ Environmental Permitting and Monitoring ▪ Geotechnical Challenges and Treatments ▪ TMP/High Volume MOT ▪ Public Involvement/Communications ▪ QA/QC Coordination 	



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	
Name: James Madison Highway (Route 15) Design-Build/PPTA Location: Haymarket, VA	Name: Rinker Design Associates, P.C.	Name of Client/ Owner: Prince William County DOT Phone: (703) 792-6825 Project Manager: Mr. Thomas Blaser Phone: (703) 792-6825 Email: tblaser@pwcgov.org	12/2009	12/2009	\$52,139	\$54,126 *Owner Requested Changes to Scope	\$54,126

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. The Work History Form shall include only one singular project. Projects with multiple phases, segments, elements, and/or contracts shall not be considered a single project. If a project listed includes multiple phases, segments, elements, and/or contracts, the SOQ may be rendered non-responsive. In any case, only the first phase, segment, element, and/or contract listed will be evaluated.

Verifiable Evidence of Performance

- Completed Ahead of Schedule
- Completed on Budget
- Cooperation and Communication with PWC, VDOT, Utility Owners, and the Public
- No Significant Quality Control Deficiencies
- Sequencing of Work to Accommodate Permitting, ROW, and Utility Relocation with Minimal/No Significant Delays
- Superior Safety Record

Scope & Complexity Similarities

- Overall Size of Project
- Environmental Permitting
- Wetlands Mitigation
- High-profile location
- Coordination with VDOT & Others
- Geotechnical Issues
- Several signalized intersections
- Extensive MOT with high traffic volume
- Overhead Utility Protection
- Earthwork, Grading, and Drainage Components

Branch was the PPTA/Design-Build Contractor providing design, construction, right of way, utility relocation for the \$54M Route 15 (James Madison Highway) Improvements for Prince William County (PWC) in Haymarket, VA. This high-profile project consisted of 22 lane miles of road widening that entailed the same major scope items to the I-95 at Route 3, such as mass earthwork and grading, drainage, structural concrete work, stone base, and paving. On any major project, but particularly on a Design-Build, a strong leadership team is the fundamental building block to a successful endeavor. Our experienced management personnel successfully led the Design-Build team through the complex design, permitting, construction processes throughout the course of this project. Prince William County had expressed many concerns with the project with both the functionality of the finished product and the time during which the public would be impacted by construction visible project. In order to manage these concerns, Branch's team made a concerted effort to keep all concerned parties informed of project progress. This was accomplished through daily meetings onsite, weekly team progress meetings, and public outreach. VDOT, Prince William County, private utility owners, and affected adjacent home owners were all involved in the planning, design, and scheduling of the work. This collaborative approach proved invaluable in the project's successful completion.

Several potential problems were encountered and resolved throughout the life of the project that will likely be faced on the I-95 at Route 3 Project. In the design phase, it was determined that wetlands would be impacted as a result of the proposed work, and therefore environmental permitting (and associated coordination with multiple governing agencies) and wetlands mitigation strategies had to be developed to address those impacts, while minimizing impact on cost and schedule. There were also similar geotechnical challenges encountered; wet soils, highly plastic clays, and the presence of rock were each handled in multiple locations along the project.

The Northern Virginia area is known for its high traffic density, and the effects of road improvement construction on already overcrowded roadways. This was no different for the Route 15 Design-Build/PPTA Project. Spanning between two major commuter intersections, one an interstate interchange, Branch's team knew that special attention to Maintenance of Traffic would be essential to not only ensure the safety of workers on-site, but to also provide a safe, well communicated TMP for the public that would have as minimal impact on this highly congested corridor. Phased signalized intersection construction, signage, temporary pavement markings, and carefully planned ingress/egress locations were a few major elements of this plan. A similar analysis will be performed for the I-95 at Route 3 Project so that its specific needs with regards to traffic influence and safety can be adequately addressed.

Comparable to the I-95 at Route 3 Project, this complex project had many unique elements that had to be properly understood, planned, and coordinated with one another. The exceptional coordination, cooperation, and communication skills demonstrated by Branch's team for this project are a testament to the successful execution and

delivery of the Route 15 PPTA, as they will be on the I-95 at Route 3 Project.



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	
Name: Route 58 Hillsville Bypass Design-Build/PPTA Location: Carroll County, VA	Name: HNTB Corporation	Name of Client/ Owner: VDOT Phone: (540) 387-5360 Project Manager: Mr. Robert Williams Phone: (540) 387-5345 Email: robbie.williams@vdot.virginia.gov	11/2011	11/2011	\$83,000	\$83,197 *Owner requested changes to scope	\$83,197

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. The Work History Form shall include only one singular project. Projects with multiple phases, segments, elements, and/or contracts shall not be considered a single project. If a project listed includes multiple phases, segments, elements, and/or contracts, the SOQ may be rendered non-responsive. In any case, only the first phase, segment, element, and/or contract listed will be evaluated.

Verifiable Evidence of Performance

- Completed ahead of schedule
- Completed on budget
- No Change Orders Initiated by Branch
- Superior Safety Record
- Delivered required DBE goal
- VDOT elected to proceed with subsequent phases for additional sections of roadway

As the Design-Build Contractor for this second phase of the Route 58 PPTA Corridor Improvements project, Branch was responsible for design, construction, right-of-way acquisition, utility relocation, permitting, wetlands/environmental mitigation, and quality control involved with building this 5.2-mile stretch of new 4-lane divided highway in Hillsville, VA. In addition to mass cut-to-fill operations in excess of 1 Million CY, drainage, roadway construction, construction of 17 acres of wetlands, and extensive stream mitigation, the project included 8 bridges and 3 full interchanges – one of which ties into I-77 southwest of Hillsville, VA. This 4-year, \$83M project was completed by the Branch Team finished within contractual obligations for both substantial and final completions and within original budget, with no contractor initiated change orders, and no major quality or safety issues.

Post-award additions of environmental surveys by the FHWA threatened to delay the Hillsville Bypass project by a full construction season. Working together, VDOT, FHWA, and the Branch Project Team revised the design and construction schedules to mitigate these impacts resulting in no additional costs to VDOT (besides the actual surveys) and no delay to the project. Branch recognizes that the permitting process that will be a part of the I-95 at Route 3 Project may pose similar risks, and based on experience on this project and others, will incorporate realistic time frames into the plan and schedule for the permitting process for this project.

After construction had begun, VDOT received multiple requests by local elected officials for changes to the lighting at the interchanges on the project. The Project Team, VDOT, and the local officials found common ground through frank and open discussions. While Branch had to perform additional work under previously unnecessary “live traffic conditions,” the overall schedule was maintained and no extra costs were incurred by VDOT, despite the late-date changes. While it is unlikely that lighting specifically will be a politically driven issue that requires similar attention on the I-95 at Route 3 Project, there is a potential that environmental concerns, particularly with regard to soundwall location and design, may arise. The organizational structure Branch has developed for the I-95 at Route 3 positions the team to address these concerns as they come up. Together with VDOT and other stakeholders, the Branch/WRA Team will find solutions that fit the best interests of all involved.

Over the 3.2 miles of this project, Branch encountered numerous differing soils types, including those typically deemed to be unsuitable in-situ. Working with geotechnical engineers and the Quality Assurance team, strategies were developed to handle these materials that had minimal impacts to cost and schedule, while still meeting all required specifications. A significant portion of subgrade material was treated with 11% soil cement. In other areas, undercut and replacement, mechanical drying, lime drying, and lime stabilization methods were used to treat unacceptable materials. It should be anticipated that similarly varying soils types will be encountered on the I-95 at Route 3, and Branch is experienced at choosing the best method of treatment that maximizes the benefit to all invested parties.

Route 58 Hillsville Bypass Design-Build/PPTA



The Route 58 Hillsville Bypass project was a highly visible, complex project that attracted significant public attention and frequent questions. The organizational structure for this project, which created a balanced, clear and effective communication model among Key Personnel and VDOT was essential for handling these issues in an efficient, professional manner. The success of Branch's on-going management of this project is evidenced by the continued award of subsequent phases of the massive Route 58 Corridor Improvements PPTA Project.



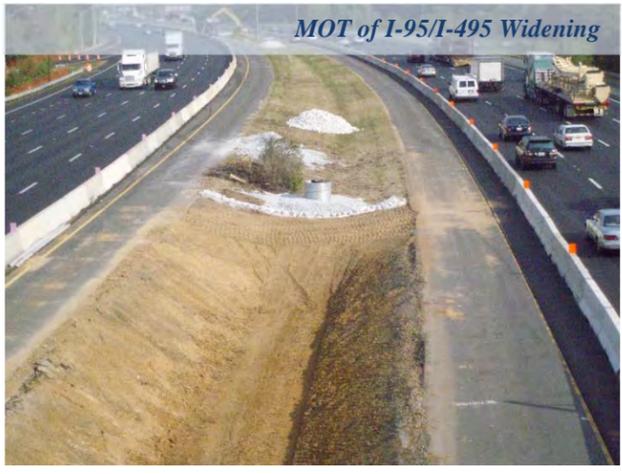
ATTACHMENT 3.4.1(b)

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 Start Date	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)	
Name: I-95/I-495 at Arena Drive from MD 202 to MD 214 Design-Build Location: Prince George's County, MD	Name: Lane Construction Corporation	Name of Client.: Maryland State Highway Administration (MSHA) Phone: (410)-545-8770 Project Manager: Mr. Eric Marabello Phone: (410)545-8770 Email: emarabello@sha.state.md.us	06/2007	12/2009	\$26,600	\$29,500	\$1,700

h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this procurement. Include the office location(s) where the design work was performed and whether the firm was the prime designer or a subconsultant. *For a project with multiple phases or multiple contracts, only one phase or one contract will be considered. If additional phases or contracts are shown under the same Work History Form, only the first phase or contract listed will be evaluated.

<p>Scope & Complexity Similarities</p> <ul style="list-style-type: none"> ▪ Design-Build ▪ Interstate Widening ▪ Signalized Intersection ▪ Environmental ▪ Geotechnical ▪ Hydraulics and SWM ▪ Signing/Lighting/ITS ▪ TMP ▪ MOT and Interstate Lane Closures ▪ Public Involvement/Communications ▪ QA/QC ▪ Construction Engineering 	<p>WRA's Role – WRA was the prime design firm for this Design-Build project responsible for preparing final engineering design documents and approvals for improvements to I-95/I-495 at Arena Drive. The project was designed in our Baltimore, Maryland office. The project enabled the Arena Drive interchange with I-95/I-495 (Capital Beltway) to operate as a full-time interchange instead of only during special events. I-95/I-495 was widened for an additional lane and incorporated two collector-distributor lanes. The project features include:</p> <p>Roadway Rehabilitation and Widening – 1.9 miles of median widening on the I-95/I-495 for additional lanes in each direction. Additionally, the I-95/I-495 typical section was reconfigured from four through-lanes only to three through-lanes with two collector-distributor lanes. The collector-distributor lanes provide access to/from three interchanges: MD 214, Arena Drive and MD 202.</p> <p>Interchange Reconstruction – Ramps at two interchanges were reconfigured to eliminate inadequate weaving lengths on I-95/I-495. The northeast and northwest loop ramp at MD 214 and northwest ramp at MD 202 were eliminated. Existing quadrant ramps were widened to accommodate additional traffic with new connections to MD 214 and MD 202. As a result of traffic analyses performed during final design, a ramp from MD 202 to I-95/I-495 was identified as needing to be widened to address congestion along MD 202. As a modification to the contract, an Interstate Modification Report (IMR) was completed and ramp widening was designed and constructed, including additional NEPA approval and environmental permitting.</p> <p>Hydraulic Analysis and Stormwater Management (SWM) – WRA re-evaluated the conceptual SWM plan provided by MSHA and determined that only one of two proposed SWM facilities was required to meet the project's SWM needs. By eliminating the second facility, to be constructed in a loop ramp, over five (5) acres of existing forest was saved. For the remaining proposed SWM facility, a 48" RCP was jacked and bored under SB I-95/I-495 while traffic was maintained.</p> <p>Geotechnical and Pavement Analysis/Design – Geotechnical services included jacking and boring a 48" RCP under I-95/I-495, a reinforced slope, and subgrade and pavement design for full-depth pavement and the rehabilitation of existing concrete pavement. Also, the existing shoulders along I-95/I-495 were analyzed for traffic bearing capacity during construction and it was determined that the shoulders were adequate for temporary use and did not required full-depth replacement.</p> <p>Maintenance of Traffic – Extensive multi-phase maintenance of traffic plans were required on I-95/I-495, MD 214 and MD 202 to maintain traffic throughout the interchanges since over 190,000 vehicles per day traveled on I-95/I-495 at that time. To maintain adequate levels of service for traffic during construction, all lanes were required to remain open during peak hours of 6 to 9 AM and 3 to 7 PM. Limited lane closures were permitted from 9 AM to 3 PM, while multiple lane closures were permitted from 10 PM to 5 AM. As a result, a majority of the pavement resurfacing for the project was performed during nighttime hours.</p> <p>Traffic Control Devices – The project included modification of intersections on Arena Drive including four new traffic signals installed with modifications to another existing traffic signal. This project re-used six (6) existing sign structures, including two cantilever, two overhead and two overhead dynamic message systems. These sign structures were relatively new and were relocated onto new foundations and fitted with new or modified sign panels. Additionally, four new cantilever structures were installed and all ground-mounted signing throughout the three interchanges was upgraded. Partial interchange roadway lighting was completed consisting of 80 new light fixtures.</p>	 <p align="center"><i>Completed I-95/I-495 Widening</i></p>
<p>Verifiable Evidence of Performance</p> <ul style="list-style-type: none"> ▪ The project was delivered on an accelerated schedule and coordinated with an adjacent project on Arena Drive. ▪ The WRA innovative design and construction reduced the number of major traffic shifts during construction, which minimized impacts to motorists on I-95/I-495. 	<p>Public Involvement – Public information materials and advanced notification of traffic impacts were provided to MSHA to keep the public informed.</p> <p>Partnering During Design and Construction – WRA participated in partnering agreement, which set goals and objectives during the early stages of work. Subsequent monthly meetings were held to ensure goals and objectives were being met by discussing the project progress, quality, resolve issues and current/future schedule.</p>	 <p align="center"><i>MOT of I-95/I-495 Widening</i></p>

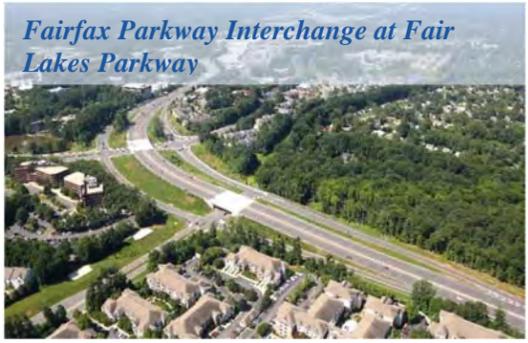
ATTACHMENT 3.4.1(b)

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 Start Date	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)	
Name: Fairfax County Parkway Interchange at Fair Lakes Parkway Location: Fairfax County, VA	Name: Shirley Contracting Company, LLC	Name of Client.: VDOT Phone: (703) 259-1723 Project Manager: Mr. Nassre Obeed Phone: (703) 259-1723 Email: Nassre.Obeed@vdot.virginia.gov	10/2010	12/2013	\$43,961	\$43,372 <i>Owner changes in Scope</i>	\$3,736

h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this procurement. Include the office location(s) where the design work was performed and whether the firm was the prime designer or a subconsultant. *For a project with multiple phases or multiple contracts, only one phase or one contract will be considered. If additional phases or contracts are shown under the same Work History Form, only the first phase or contract listed will be evaluated.

<p>Scope & Complexity Similarities</p> <ul style="list-style-type: none"> ▪ Interchange ▪ Roadway Widening ▪ Utility Relocations Design (Water and Sewer) ▪ Traffic signal ▪ Intersection Design ▪ Geotechnical ▪ Hydraulics ▪ Traffic Control Devices ▪ TMP ▪ MOT ▪ Public Involvement/ Communications ▪ QA/QC ▪ Construction Engineering 	<p>WRA's Role: Whitman, Requardt & Associates, LLP was selected as the prime designer to provide engineering services to VDOT for the study and final design of an interchange at the intersection of the Fairfax County Parkway and Fair Lakes Parkway/Monument Drive intersection. WRA completed approximately 90% of the design services from our Virginia offices. The project was partially funded with ARRA funding for construction, which required extensive coordination with FHWA. The project features include:</p> <p>Project Description/Narrative: Roadway Reconstruction and Widening – 2.3 miles of Fairfax County Parkway (FCP) was widened into the median increasing the number of lanes from 4 to 6 and 0.7 miles was totally reconstructed to facilitate raising FCP up and over Fair Lakes Parkway and Monument Drive. Over 3,000 feet of Fair Lakes Parkway was widened/reconstructed to provide additional turn lanes.</p> <p>Interchange Design – The project included the design of a Split-Diamond Interchange to provide access to both Fair Lakes Parkway and Monument Drive. The four ramps intersected with both Fair Lakes Parkway and Monument Drive at coordinated signalized intersections with multi-lane approaches.</p> <p>Hydraulic Analysis – The project contained a major drainage outfall to the Rocky Run Stream through an 800-foot long triple 8'x10' box culvert under Ramps B and C and Fairfax County Parkway. The project also included a single 400-foot long 7' x 8' box culvert under Ramp B and C and Fairfax County Parkway. Additionally, Fairfax County Parkway and Fair Lakes Parkway are located on dams for regional stormwater management lakes, which are regulated by DEQ. The dam was being modified by the project and a new stormwater outfall was extended into the existing lake to provide water quality requirements for the project. This required WRA to complete a dam break analysis and coordination for review of the dam modification with DEQ and Fairfax County.</p> <p>Structural Design – The bridge design efforts included the complete design of two single-span structures consisting of precast bulb tee beams spanning 116' and 142', each with a width of 124'. Abutments consisted of semi-integral concrete seats on steel piles with MSE retaining walls imprinted with an architectural finish of ashlar stone. The design included under bridge lighting for the sidewalks and pedestrian movements. The project also included widening the Fairfax County Parkway Bridge over Route 50 by adding two additional travel lanes in the median. The bridge widening consisted of two span structural steel plate girders totaling 220' in length set on a new concrete pier aesthetically similar to the existing piers. The design included over 43,000 sf of retaining walls including MSE, Pile Panel, Soil Nail and over 70,000 sf of sound barriers. The ashlar stone finish from the bridge abutments was carried through to all wall elements to create an appealing appearance to this gateway to the Fair Lakes Community. The geotechnical design efforts included an evaluation of all of the walls and the final design of bridge foundations. The retaining wall featured a two-tier soil nail wall, which was one of the first soil nail walls utilized by VDOT.</p> <p>Traffic Control Devices – The project included freeway overhead signing for the I-66, Fair Lakes Parkway and Route 50 interchanges including ITS facilities. Signals were designed for 7 intersections with coordinated signal timing plans to ensure the efficient flow of traffic through the project.</p> <p>TMP Plans – The project consisted of multiple phases of construction with a complex TMP analyzing each phase. The design required the detour of existing turning movements.</p> <p>Public Involvement – Since the 1980s, the Fair Lakes Community has maintained the VDOT right-of-way with landscaping, decorative signage, mowing, and reserved the right-of-way for the future interchange project. WRA led a series of meetings with the Fair Lakes League that resulted in the acceptance of the project, donation of right-of-way/easements and utilization of existing private regional stormwater management facilities for the project. Resulting in significant cost savings to the project. The finished project will enhance the community and provide significant improvements to traffic operations. WRA also developed materials for both a Citizens' Information Meeting and a Design Public Hearing.</p>	 <p align="center"><i>Fairfax Parkway Interchange at Fair Lakes Parkway</i></p>  <p align="center"><i>Fairfax Parkway Interchange at Fair Lakes Parkway</i></p>
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ATTACHMENT 3.4.1(b)

LEAD DESIGNER - WORK HISTORY FORM

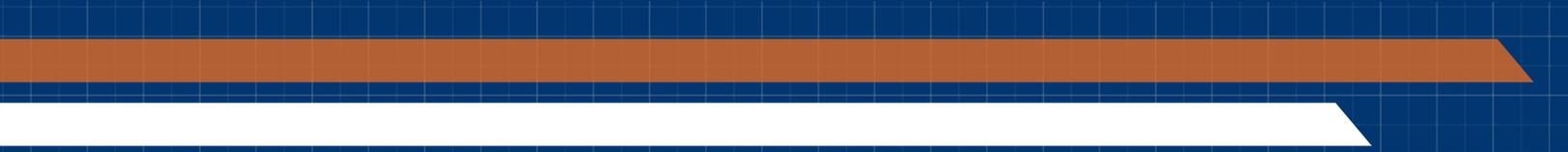
(LIMIT 1 PAGE PER PROJECT)

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 Start Date	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)	
Name: Fall Hill Avenue Widening and Mary Washington Boulevard Extension <i>Design-Build</i> Location: Fredericksburg, VA	Name: Corman Construction, Inc.	Name of Client.: VDOT Phone: (540) 899-4214 Project Manager: Mr. Michael Coffey, P.E. Phone: (540) 899-4214 Email: michaelt.coffey@vdot.virginia.gov	04/2014	Estimated 01/2017 (Design Completed: 02/2015)	\$30,784	\$30,784 (Estimated)	\$1,815

h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this procurement. Include the office location(s) where the design work was performed and whether the firm was the prime designer or a subconsultant. *For a project with multiple phases or multiple contracts, only one phase or one contract will be considered. If additional phases or contracts are shown under the same Work History Form, only the first phase or contract listed will be evaluated.

<p>Scope & Complexity Similarities</p> <ul style="list-style-type: none"> ▪ Design-Build ▪ Roadway Widening ▪ Environmental & Geotechnical ▪ Hydraulics and SWM ▪ Noise analysis and Soundwall design ▪ Traffic Control Devices ▪ TMP ▪ MOT and Interstate Lane Closures ▪ Public Involvement/Communications ▪ QA/QC ▪ Construction Engineering & Inspection 	<p>WRA's Role: Prime design firm responsible for the final engineering design documents and approvals for major improvements to the existing Fall Hill Avenue corridor and extension of Mary Washington Boulevard. WRA completed over 90% of the design from our Virginia offices. Existing Fall Hill Avenue is largely a two-lane roadway with no bike facilities and limited pedestrian facilities. Along the project alignment are the Snowden Park, Rappahannock Canal Park and several historic resources that are impacted by the project construction requiring strict adherence to all commitments in the environmental document. The project was led from the WRA Richmond, VA office and additional design support was performed from the Baltimore, MD office. Services included highway design, hydrologic and hydraulic design, stormwater management (SWM) design, erosion and sediment control design, geotechnical engineering, pavement evaluation and design, noise analysis and soundwall design, maintenance of traffic, signing, lighting, pavement markings, traffic signalization, bridge, retaining walls, park design, utility relocation/coordination, public involvement, permitting and coordination with project stakeholders. Also, WRA is providing quality control and construction inspection related services.</p> <p>Roadway – The proposed improvements provide for a four-lane divided curb and gutter urban typical section with a 10-foot shared-use path on the north side and a 5-foot sidewalk on the south for a length of 1.5 miles on Fall Hill Avenue. Mary Washington Boulevard is extended on new location for 0.3 miles with an urban section including a sidewalk on the west side and the existing Rappahannock Canal trail network providing for bike and pedestrians to the east and intersects with the roundabout with Fall Hill Avenue. The remaining portion of Mary Washington Boulevard 0.4 miles is widened to a four-lane divided urban section with sidewalks and the intersection with Route 1 is improved for 0.2 miles to provide additional turn lanes at Mary Washington Boulevard. A key element of the project is the roundabout at the Fall Hill Avenue and Mary Washington Boulevard.</p> <p>Hydraulic Analysis and Stormwater Management – The project includes the design and analysis of a tributary to the Rappahannock Canal, which required a 10'x 8' box culvert to ensure the 100-year storm event would have no impact on private property. A complete new storm drainage system was provide for the length of Fall Hill Avenue. WRA's design was able to eliminate one SWM facility on the frontage of a commercial property saving VDOT approximately \$300,000 in right-of-way cost.</p> <p>Geotechnical Engineering – The project is located in diverse and changing geology. The western portion of the project is located over relatively shallow residual soils of the Piedmont Province, while the eastern portion is more typical of the Coastal Plain Province with over-consolidated Potomac Clays. The bridge over I-95 is supported on driven steel H-piles with MSE wall abutments and were designed to mitigate downdrag forces induced by settlement. The design in the Potomac Clays included 20-foot cuts below the location of the historic civil war trenches. To avoid impacts to the trenches WRA designed a soil nail retaining wall.</p> <p>TMP and MOT Plans – The two major elements of the TMP were the phased construction of the bridge over I-95 and the three-phase reconstruction of Fall Hill Avenue. The TMP carefully evaluated the impacts to traffic operations on I-95 for placement of concrete barrier, beams and removal of the existing bridge. Work requiring lanes closures on the heavily traveled I-95 was limited to nights and carefully coordinated with the regional traffic operations center and emergency responders.</p> <p>Traffic Engineering – The project includes the design of three traffic signals and three pedestrian crossing using Rectangular Rapid Flash Beacons (RRFBs). A major focus of WRA efforts was to carefully evaluate the high pedestrian movements along the corridor to provide opportunities for residents to access the transit stops along the corridor and access the extensive system of trails in the City.</p>	<p align="center"><i>Fall Hill Avenue Bridge over I-95</i></p> 
<p>Verifiable Evidence of Performance</p> <ul style="list-style-type: none"> ▪ The project design was completed on schedule with minimal VDOT comments. ▪ WRA's innovative design approach to the bridge reduced construction and future maintenance costs, improve constructability, by eliminating the longitudinal joints across the bridge, utilizing the MSE wall abutments, and providing semi-integral abutments. 		<p align="center"><i>Fall Hill Avenue Approach to Bridge (Phase I of Construction)</i></p> 

Public Involvement – A key element of the success of the project is communicating the goals of the project and how the project affects the public. The project included significant access management controls restricting movements to and from developments, which was a major discussion item at the "Pardon Our Dust" public meeting and the public's concern with the traffic operations at the proposed roundabout. Being able to address these concerns quickly and effectively with the VDOT Team resulted in the project moving forward with minimal redesign efforts.



Section 4.2.7
Conceptual Roadway Plans

PROJECT MANAGER Byrd, Holloway, P.E. (540) 374-3367 (Fredericksburg District)
SURVEYED BY, DATE Pflue & Associates
DESIGN BY Jason, Henry, P.E. (804) 786-5975 (Central Office)
SUBSURFACE UTILITY BY, DATE Accumar, 3/18/16

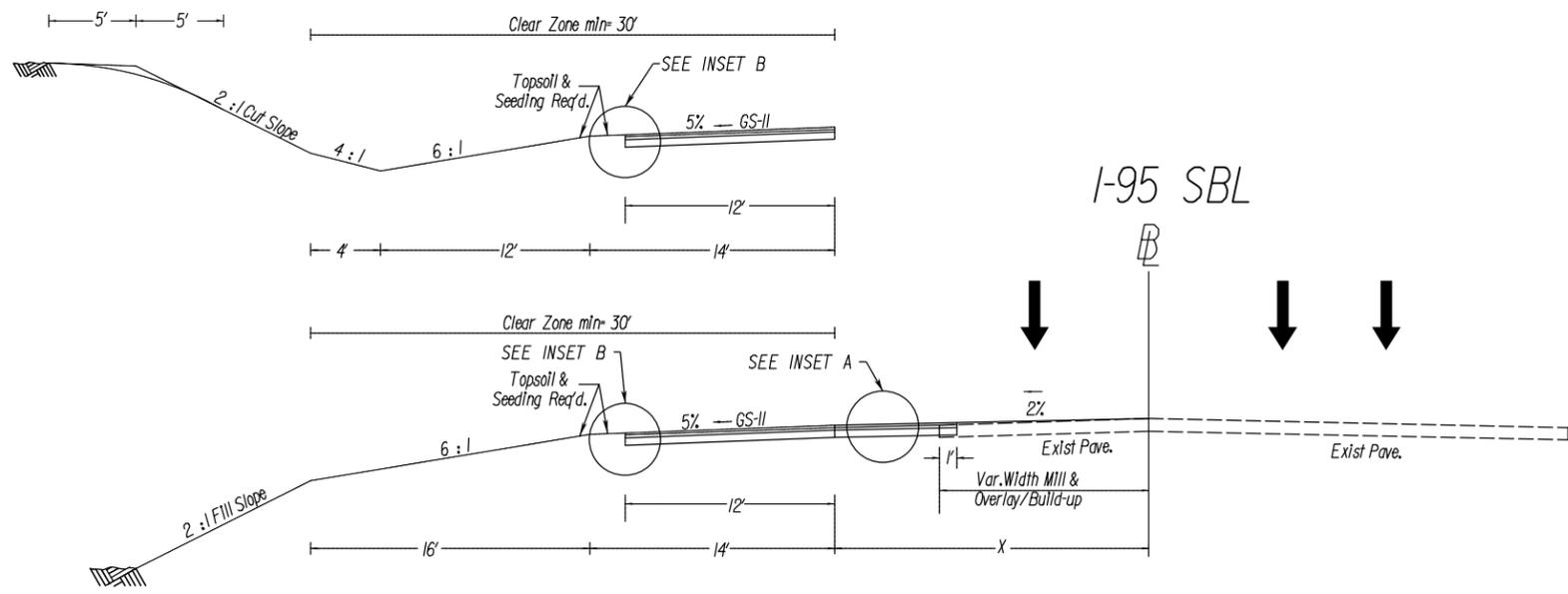
TYPICAL SECTIONS

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	95	0095-111-278 RW-201C-501	2B

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

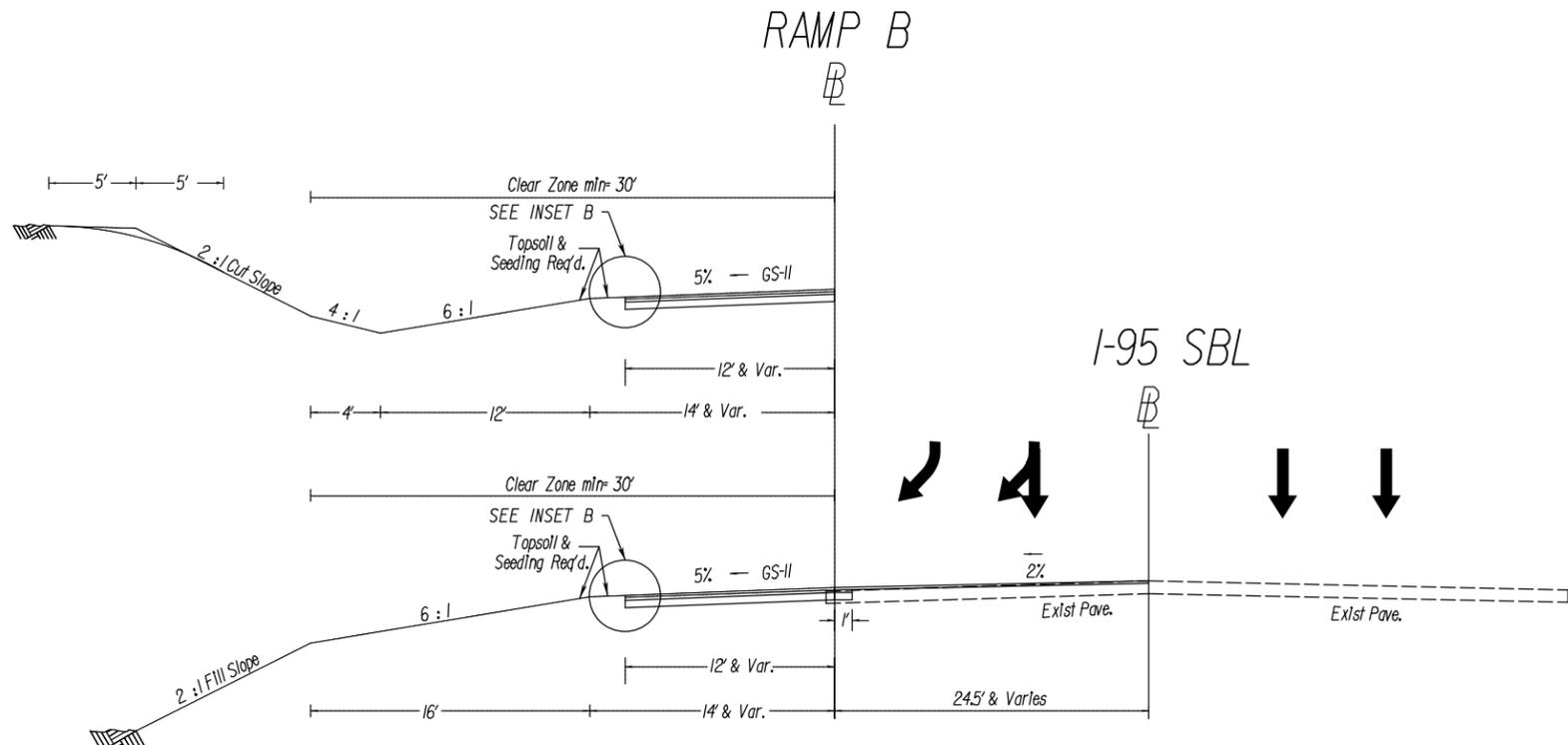
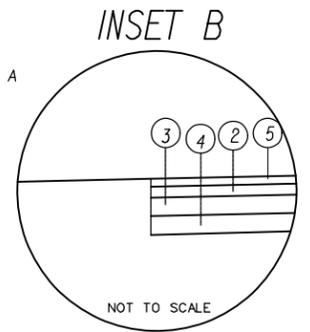
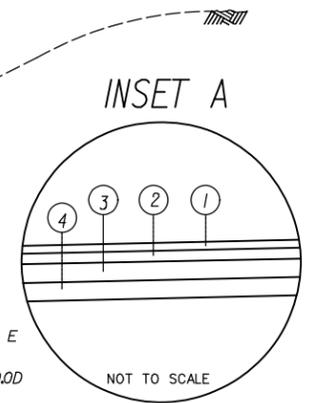
TECHNICAL PROPOSAL CONCEPT PLANS

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



Station	to	Station	X
Sta. 104+26.04	to	Sta. 108+46.04	12' to 24'
Sta. 108+46.04	to	Sta. 109+60.59	24.5' & Var

- ① 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 E
- ② 220 lbs/SY Asphalt Concrete Intermediate, Type IM-19.0D
- ③ 8 Inches Asphalt Concrete Base Type, BM-25.0 A
- ④ 8 Inches Aggregate Base Material, Type I, 21B
- ⑤ 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 A
- ⑥ 6 Inches Asphalt Concrete Base Type, BM-25.0 A



Station	to	Station
Sta. 109+60.59	to	Sta. 113+50.00

PROJECT	SHEET NO.
0095-111-278	2B

PROJECT MANAGER Byrd, Holloway, P.E. (540) 374-3367 (Fredericksburg District)
 SURVEYED BY, DATE Rice & Associates
 DESIGN BY Jason Henry, P.E. (804) 786-5975 (Central Office)
 SUBSURFACE UTILITY BY, DATE Accurmark, 3/18/16

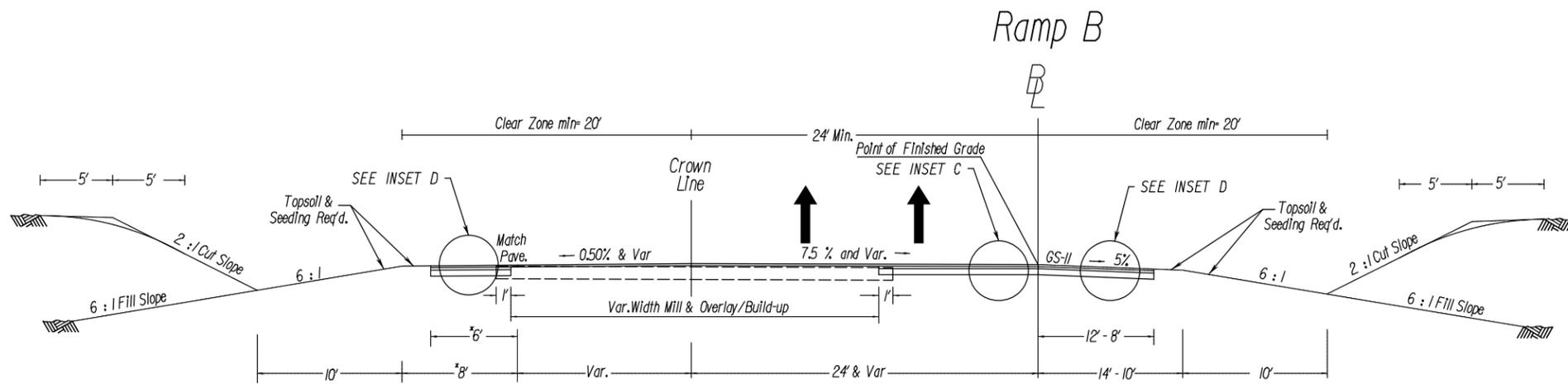
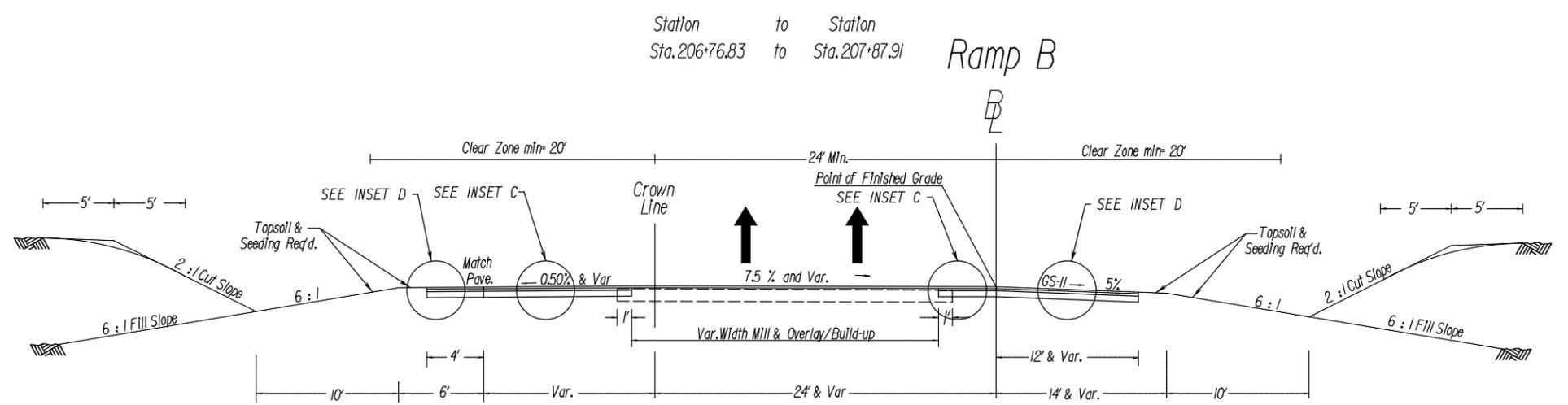
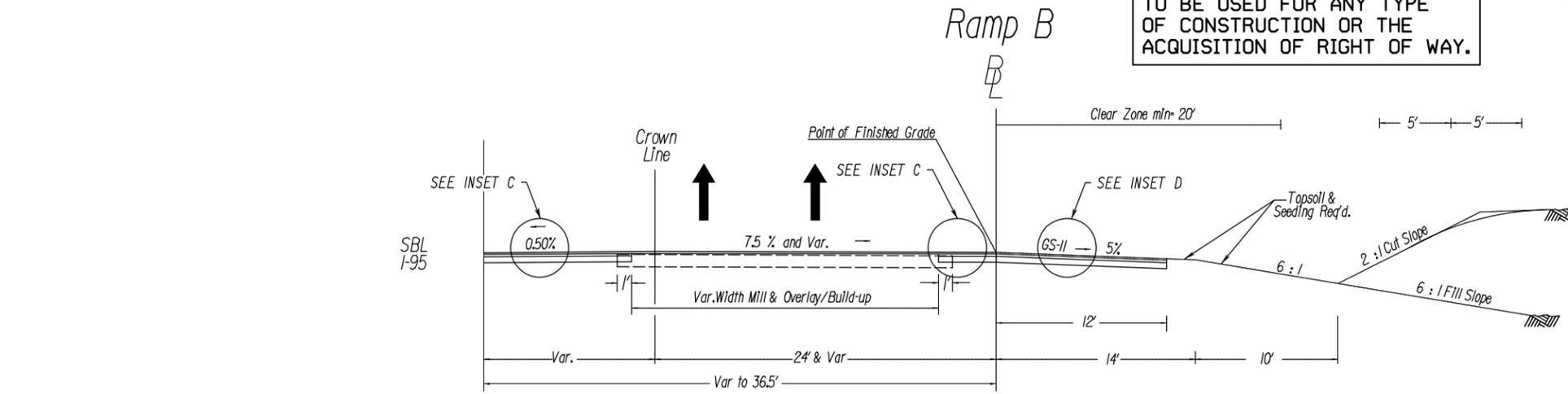
TYPICAL SECTIONS

TECHNICAL PROPOSAL CONCEPT PLANS

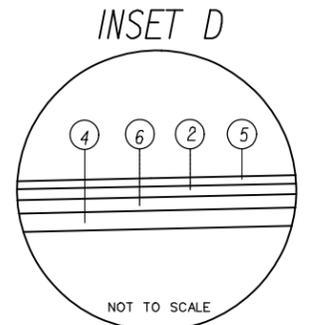
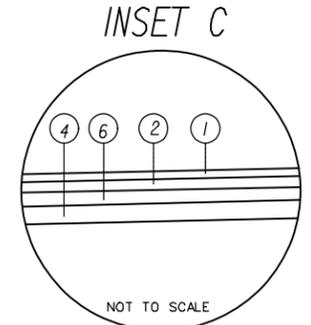
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	95	0095-III-278 RW-201C-501	2C

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



* Var. from 209+75.00 to 210+00.00



- ① 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 E
- ② 220 lbs/SY Asphalt Concrete Intermediate, Type IM-19.0D
- ③ 8 Inches Asphalt Concrete Base Type, BM-25.0 A
- ④ 8 Inches Aggregate Base Material, Type I, 21B
- ⑤ 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 A
- ⑥ 6 Inches Asphalt Concrete Base Type, BM-25.0 A

PROJECT	SHEET NO.
0095-III-278	2C

PROJECT MANAGER Byrd, Holloway, P.E. (540) 374-3367 (Fredericksburg District)
SURVEYED BY, DATE Rice & Associates
DESIGN BY Jason, Henry, P.E. (804) 786-5975 (Central Office)
SUBSURFACE UTILITY BY, DATE Accumark, 3/18/16

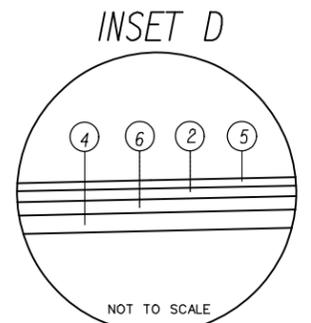
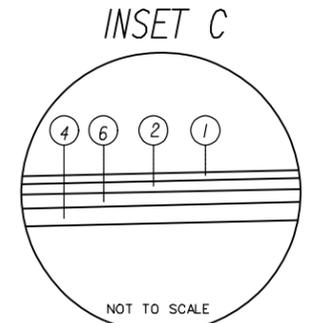
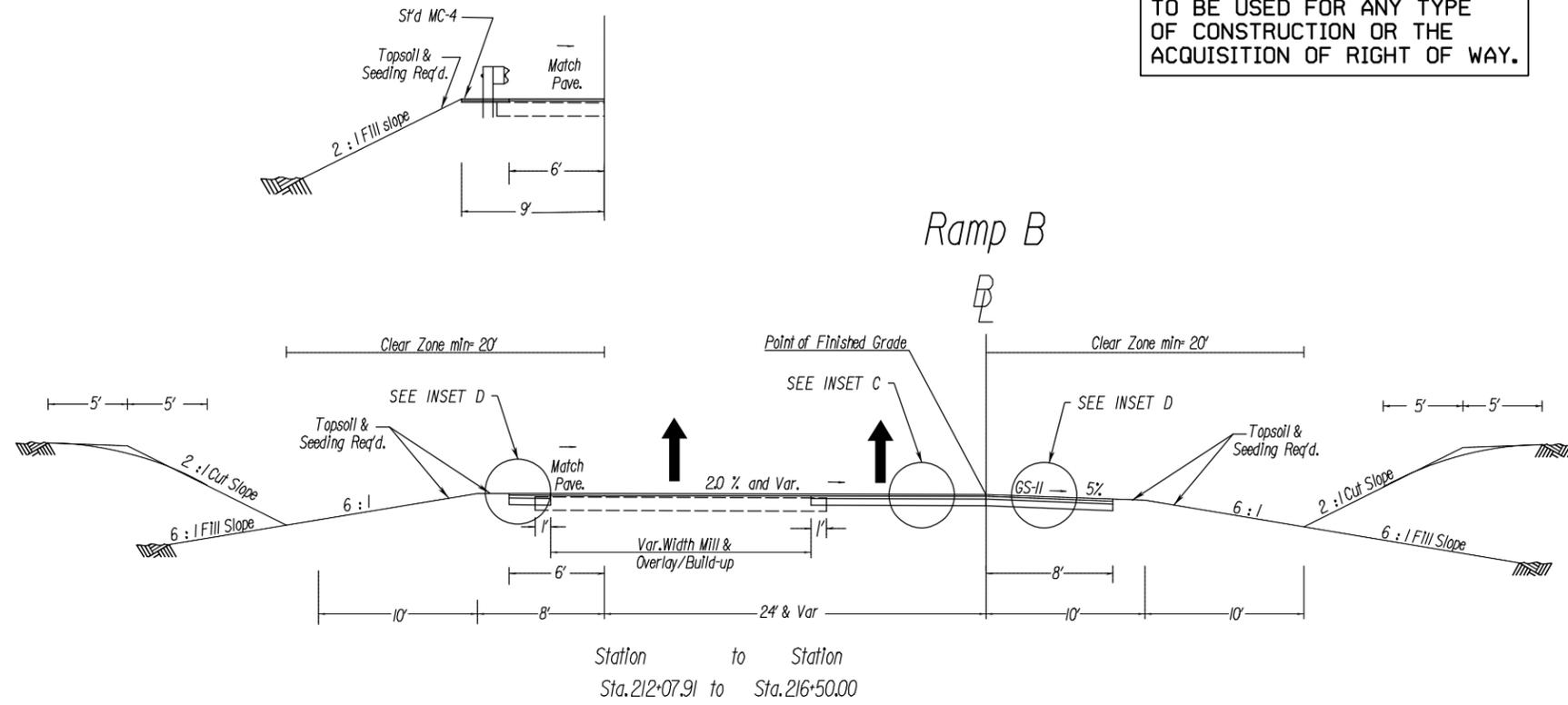
TYPICAL SECTIONS

TECHNICAL PROPOSAL CONCEPT PLANS

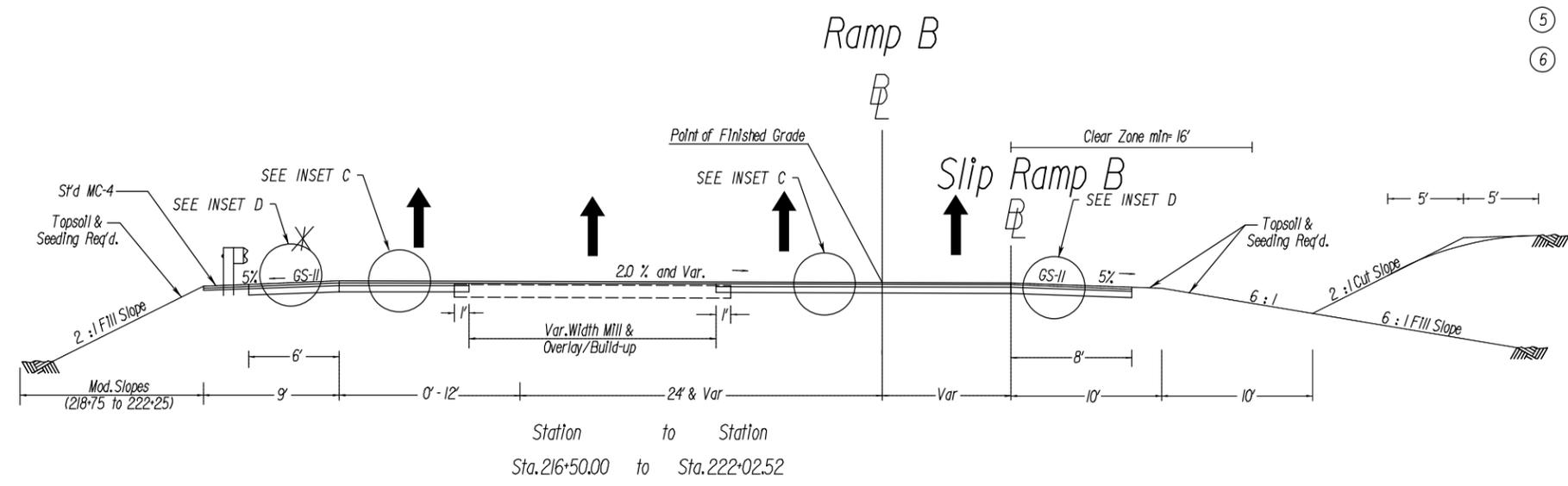
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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	95	0095-III-278 RW-201C-501	2D

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



- ① 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 E
- ② 220 lbs/SY Asphalt Concrete Intermediate, Type IM-19.0D
- ③ 8 Inches Asphalt Concrete Base Type, BM-25.0 A
- ④ 8 Inches Aggregate Base Material, Type 1, 21B
- ⑤ 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 A
- ⑥ 6 Inches Asphalt Concrete Base Type, BM-25.0 A



* Transition shoulder slope from match proposed pavement to -5% (S'd GS-II) from sta. 218+25 to sta. 218+50.83

PROJECT	SHEET NO.
0095-III-278	2D

PROJECT MANAGER Byrd, Holloway, P.E. (540) 374-3367 (Fredericksburg District)
SURVEYED BY, DATE Ploe & Associates
DESIGN BY Jason, Henry, P.E. (804) 786-5975 (Central Office)
SUBSURFACE UTILITY BY, DATE Accumark, 3/18/16

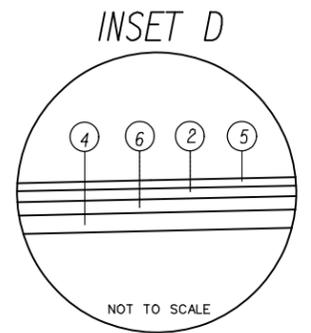
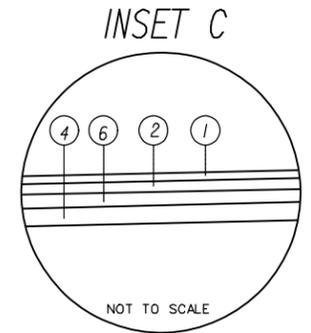
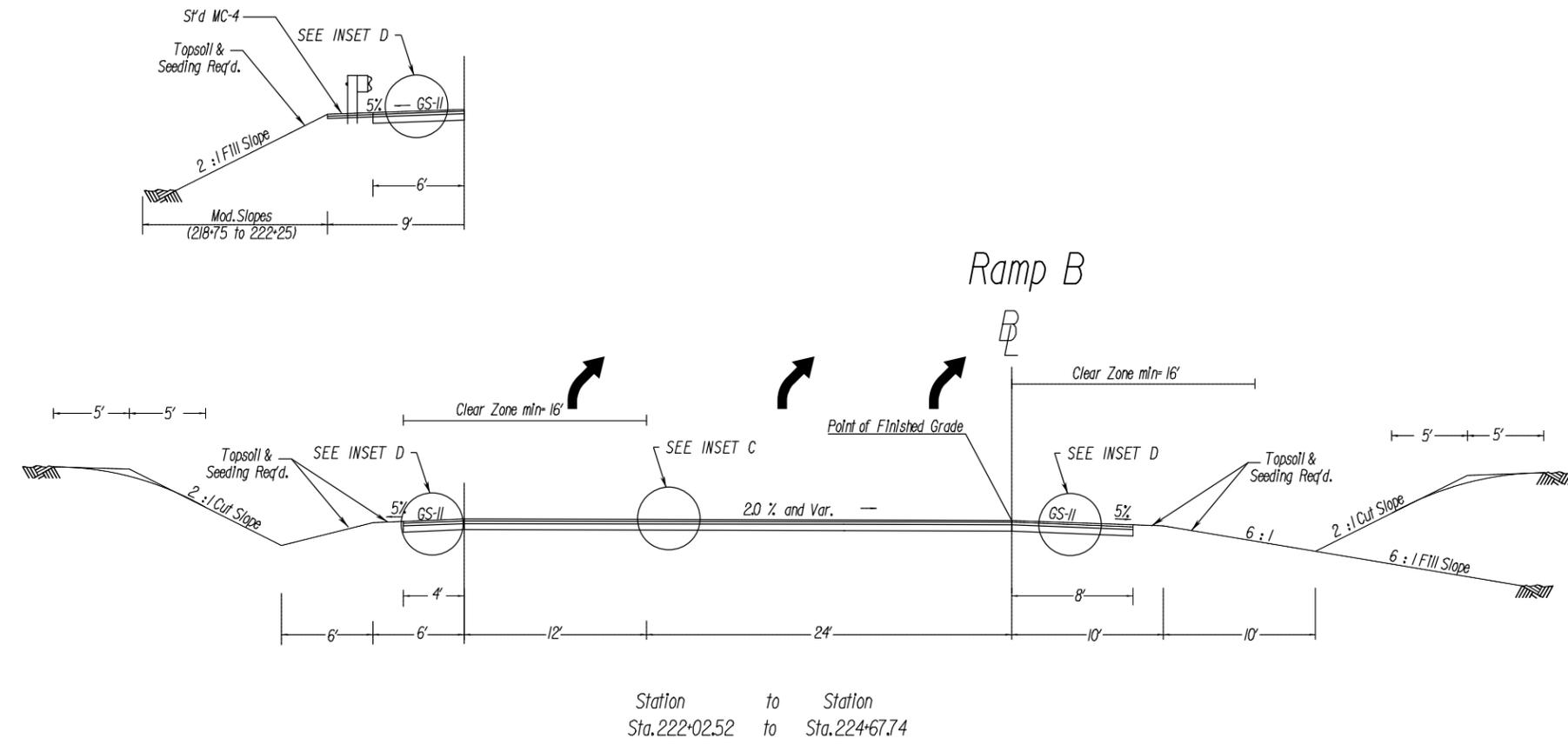
TYPICAL SECTIONS

TECHNICAL PROPOSAL CONCEPT PLANS

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	95	0095-111-278 RW-201C-501	2E

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



- ① 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 E
- ② 220 lbs/SY Asphalt Concrete Intermediate, Type IM-19.0D
- ③ 8 Inches Asphalt Concrete Base Type, BM-25.0 A
- ④ 8 Inches Aggregate Base Material, Type I, 21B
- ⑤ 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 A
- ⑥ 6 Inches Asphalt Concrete Base Type, BM-25.0 A

PROJECT MANAGER Byrd, Holloway, P.E. (540) 374-3367 (Fredericksburg District)
 SURVEYED BY, DATE P/oe & Associates
 DESIGN BY Jason, Henry, P.E. (804) 786-5975 (Central Office)
 SUBSURFACE UTILITY BY, DATE Accurmark, 3/18/16

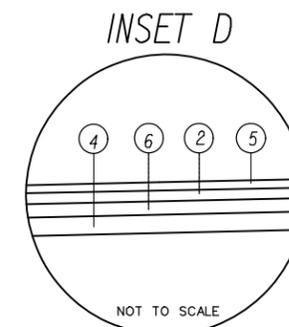
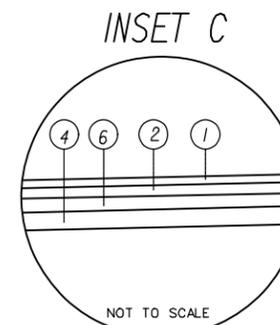
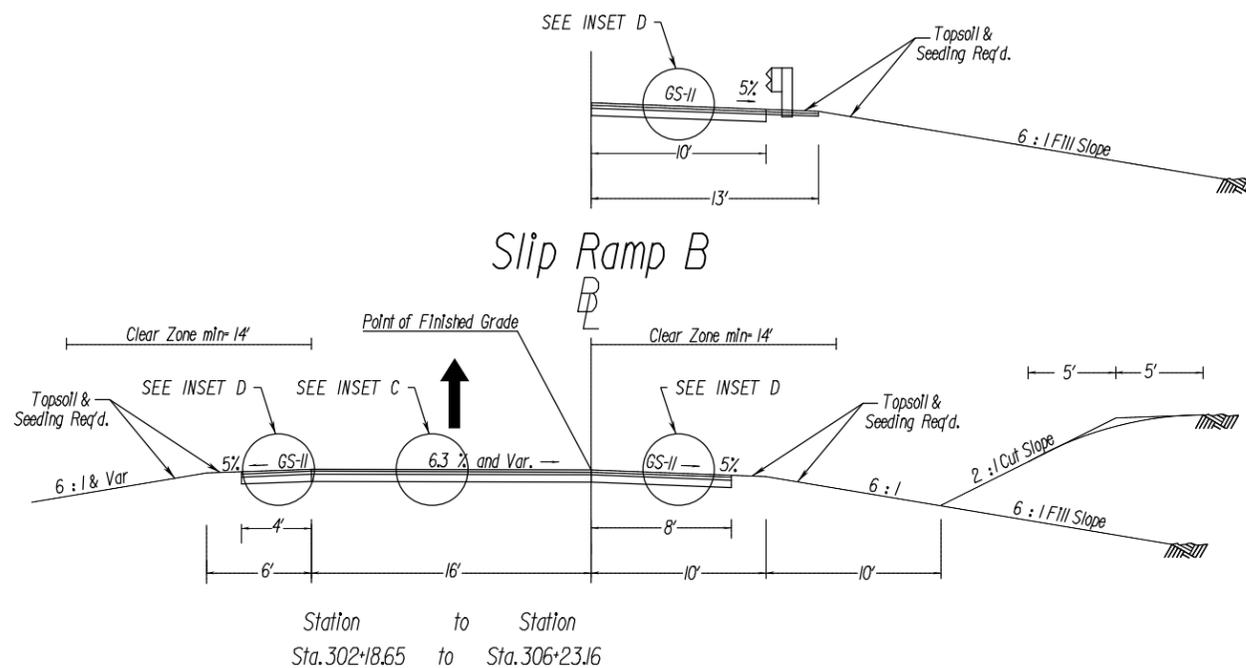
TYPICAL SECTIONS

TECHNICAL PROPOSAL CONCEPT PLANS

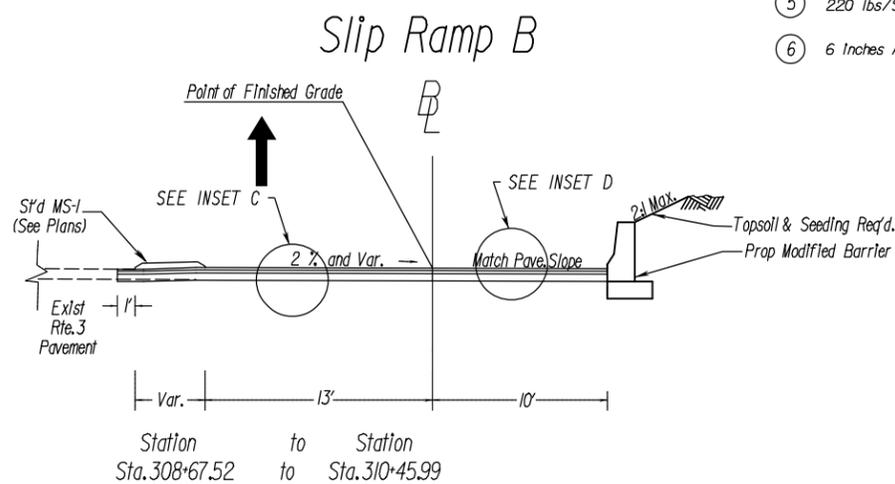
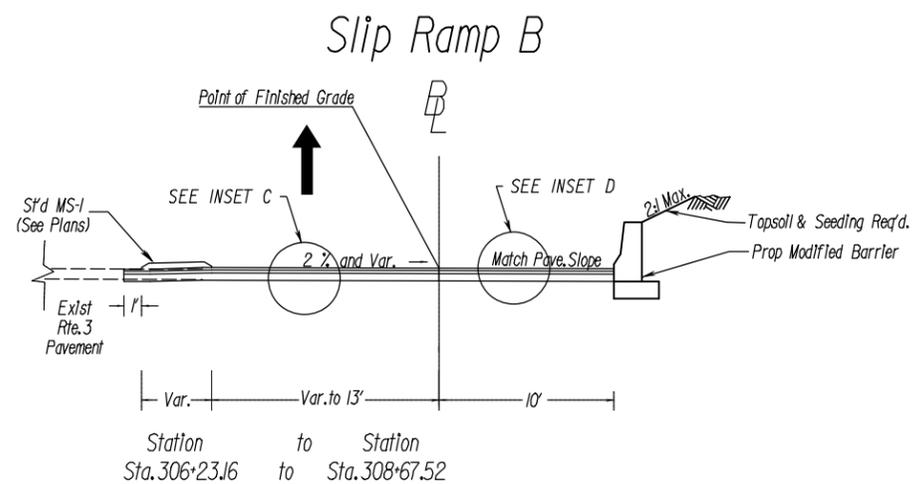
THESE PLANS ARE UNFINISHED
 AND UNAPPROVED AND ARE NOT
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 OF CONSTRUCTION OR THE
 ACQUISITION OF RIGHT OF WAY.

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	95	0095-III-278 RW-201C-501	2F

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



- ① 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 E
- ② 220 lbs/SY Asphalt Concrete Intermediate, Type IM-19.0D
- ③ 8 Inches Asphalt Concrete Base Type, BM-25.0 A
- ④ 8 Inches Aggregate Base Material, Type I, 21B
- ⑤ 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 A
- ⑥ 6 Inches Asphalt Concrete Base Type, BM-25.0 A



PROJECT MANAGER Byrd, Holloway, P.E. (540) 374-3367 (Fredericksburg District)
SURVEYED BY, DATE Rice & Associates
DESIGN BY Jason, Henry, P.E. (804) 786-5975 (Central Office)
SUBSURFACE UTILITY BY, DATE Accumark, 3/18/16

TYPICAL SECTIONS

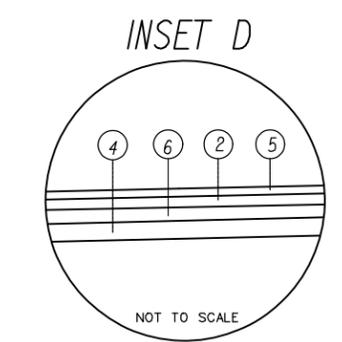
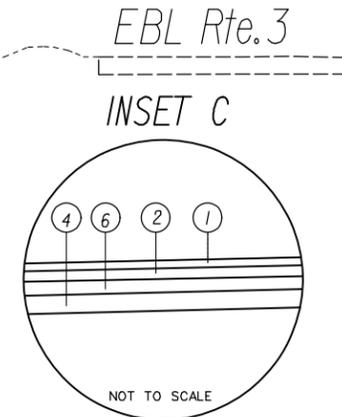
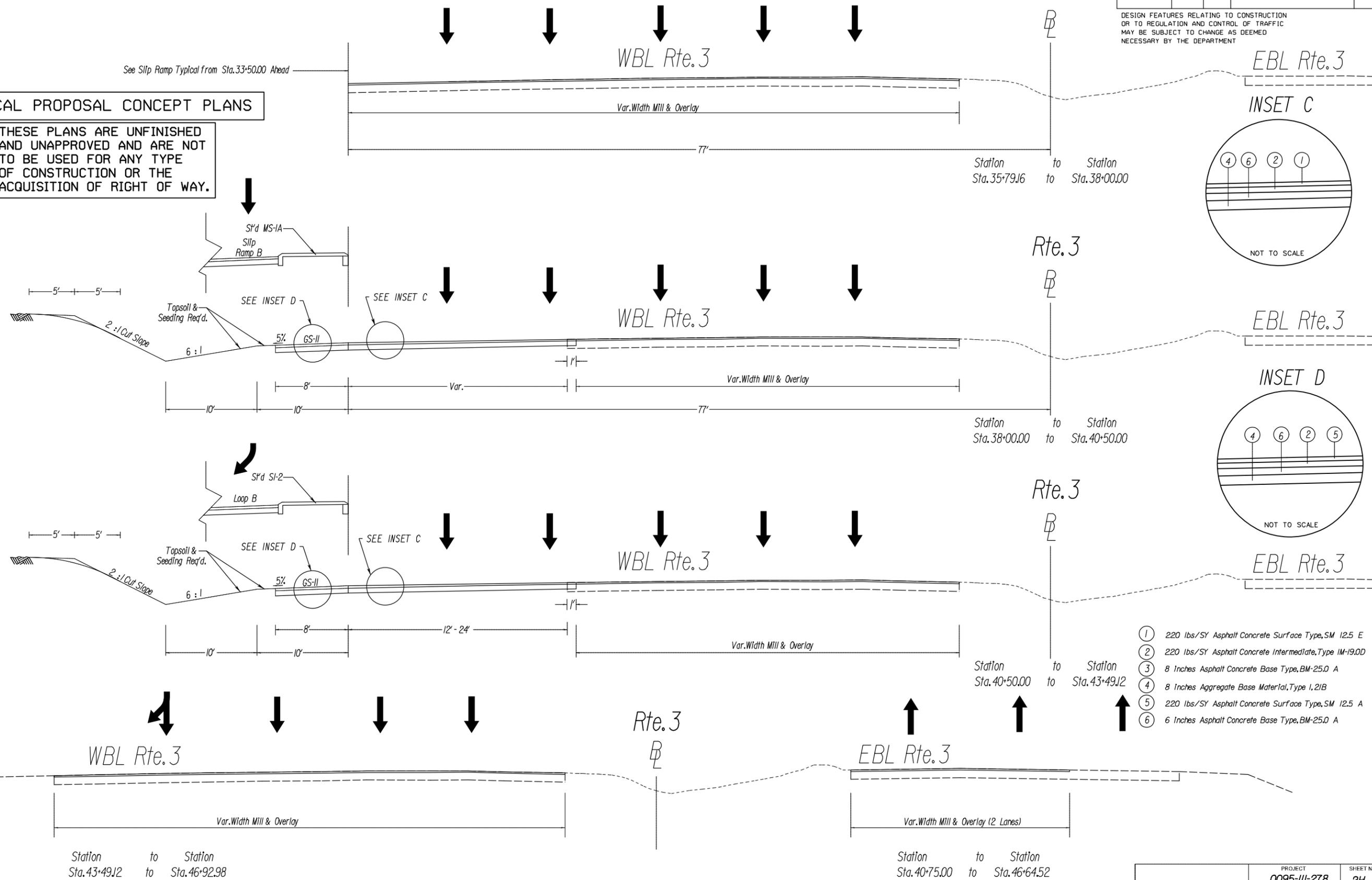
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	95	0095-III-278 RW-201C-501	2H

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

TECHNICAL PROPOSAL CONCEPT PLANS

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See Slip Ramp Typical from Sta. 33+50.00 Ahead



- ① 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 E
- ② 220 lbs/SY Asphalt Concrete Intermediate, Type IM-19.0D
- ③ 8 Inches Asphalt Concrete Base Type, BM-25.0 A
- ④ 8 Inches Aggregate Base Material, Type I, 21B
- ⑤ 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 A
- ⑥ 6 Inches Asphalt Concrete Base Type, BM-25.0 A

PROJECT MANAGER Byrd, Holloway, P.E. (540) 374-3367 (Fredericksburg District)
SURVEYED BY, DATE Rice & Associates
DESIGN BY Jason, Henry, P.E. (804) 786-5975 (Central Office)
SUBSURFACE UTILITY BY, DATE Accumark, 3/18/16

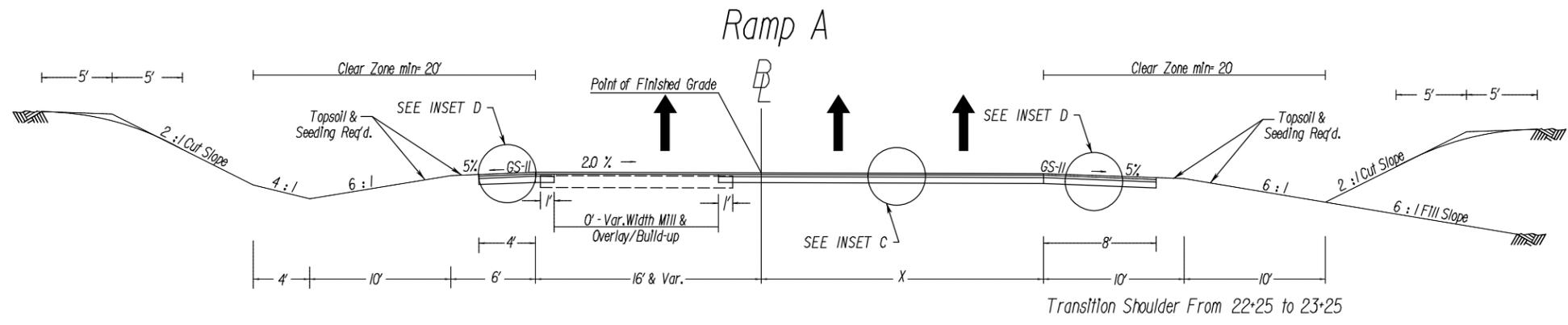
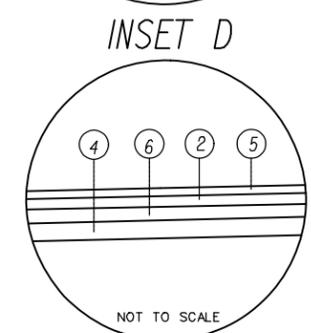
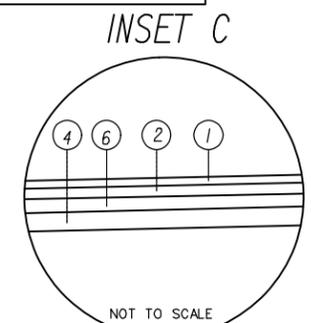
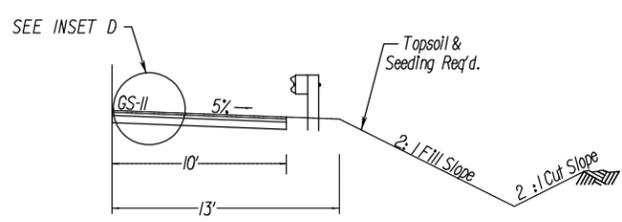
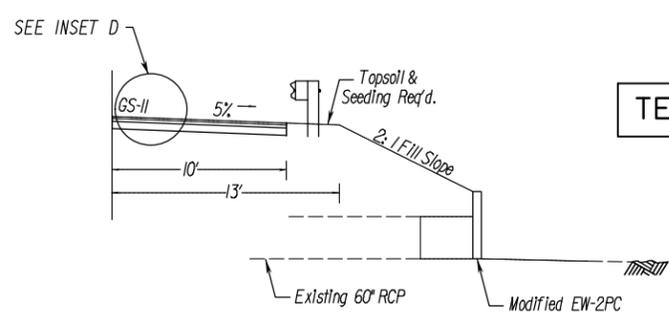
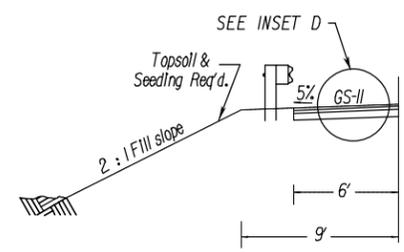
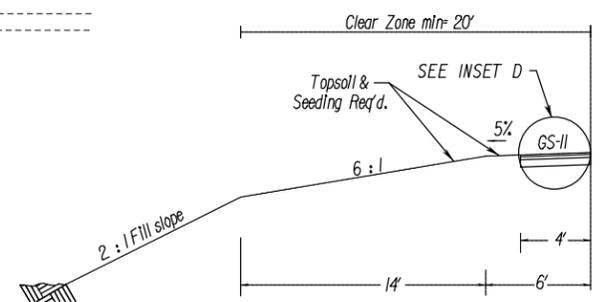
TYPICAL SECTIONS

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	95	0095-III-278 RW-201C-501	21

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

TECHNICAL PROPOSAL CONCEPT PLANS

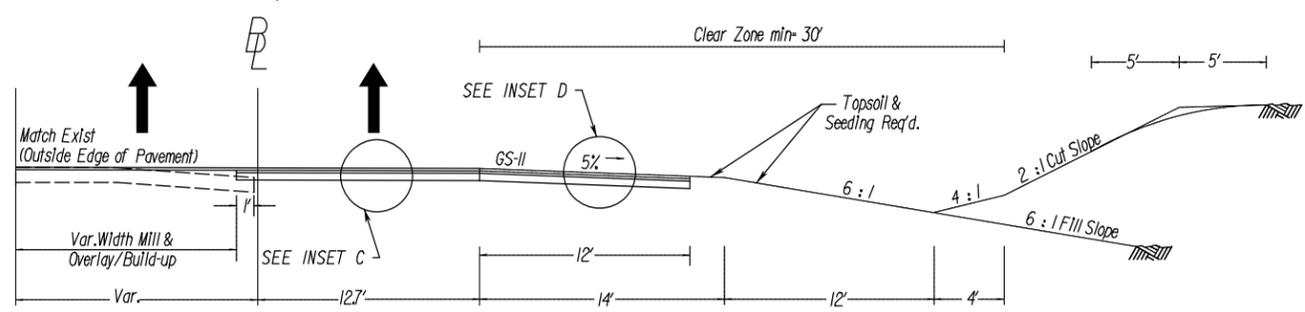
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.



Station	to	Station	X
Sta. 10+57.73	to	Sta. 15+20.00	20'
Sta. 15+20.00	to	Sta. 21+20.00	20' - 12.7'
Sta. 21+20.00	to	Sta. 23+25.00	12.7'

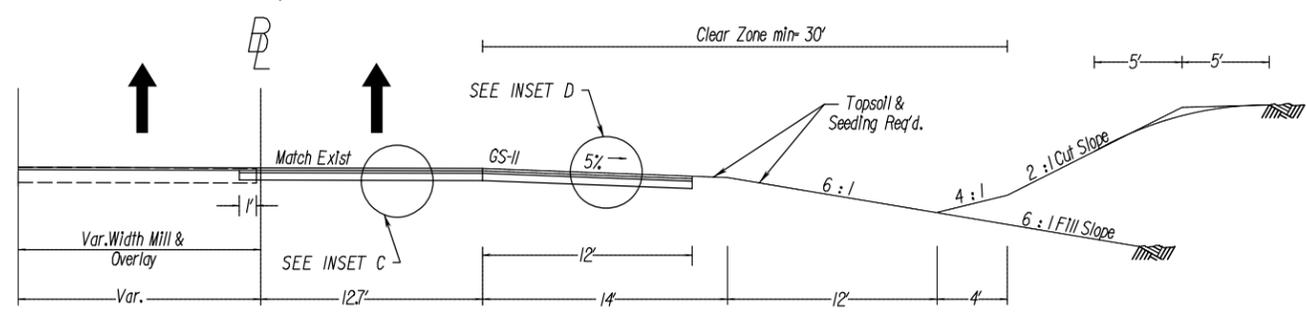
- ① 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 E
- ② 220 lbs/SY Asphalt Concrete Intermediate, Type IM-19.0D
- ③ 8 Inches Asphalt Concrete Base Type, BM-25.0 A
- ④ 8 Inches Aggregate Base Material, Type I, 21B
- ⑤ 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 A
- ⑥ 6 Inches Asphalt Concrete Base Type, BM-25.0 A

Ramp A



Station	to	Station
Sta. 23+25.00	to	Sta. 25+50.00

Ramp A



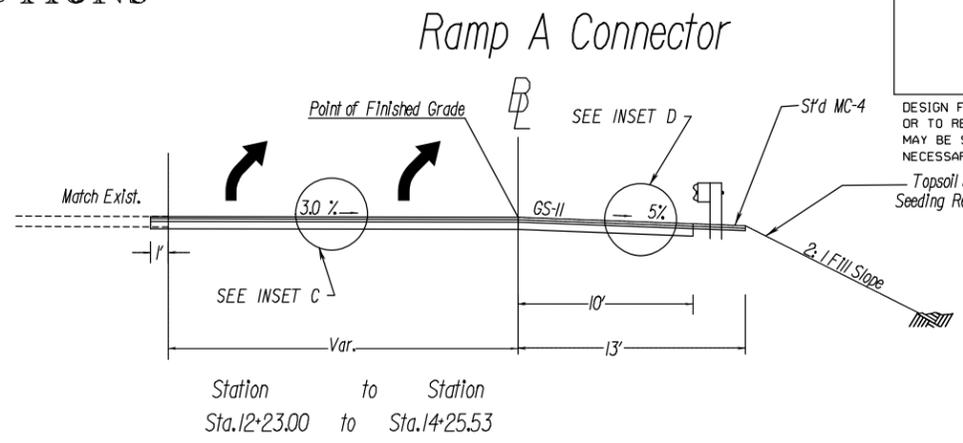
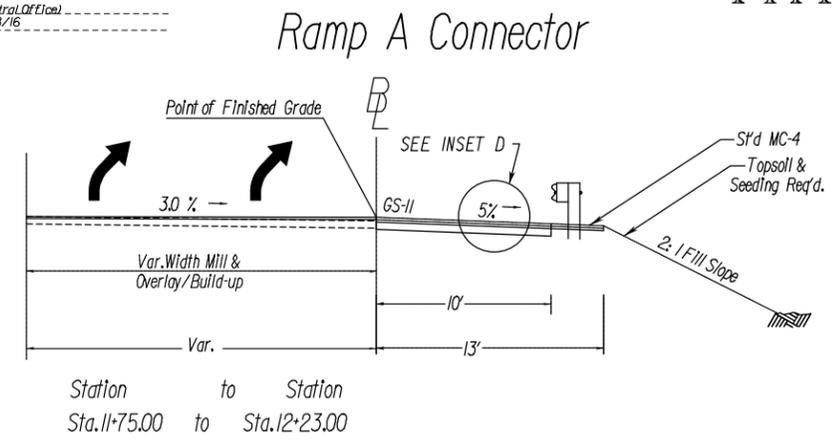
Station	to	Station
Sta. 25+50.00	to	Sta. 26+10.13

PROJECT	SHEET NO.
0095-III-278	21

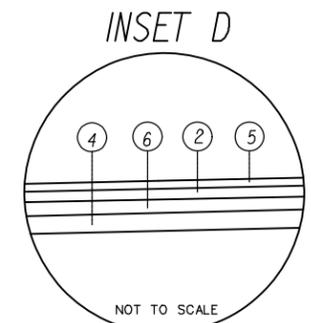
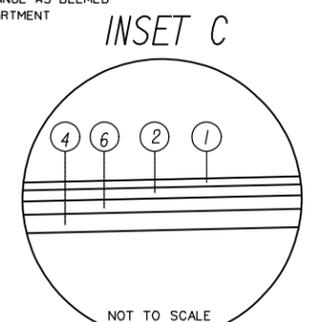
PROJECT MANAGER Byrd, Holloway, P.E. (540) 374-3367 (Fredericksburg District)
SURVEYED BY, DATE Rice & Associates
DESIGN BY Jason, Henry, P.E. (804) 786-5975 (Central Office)
SUBSURFACE UTILITY BY, DATE Accumark, 3/18/16

TYPICAL SECTIONS

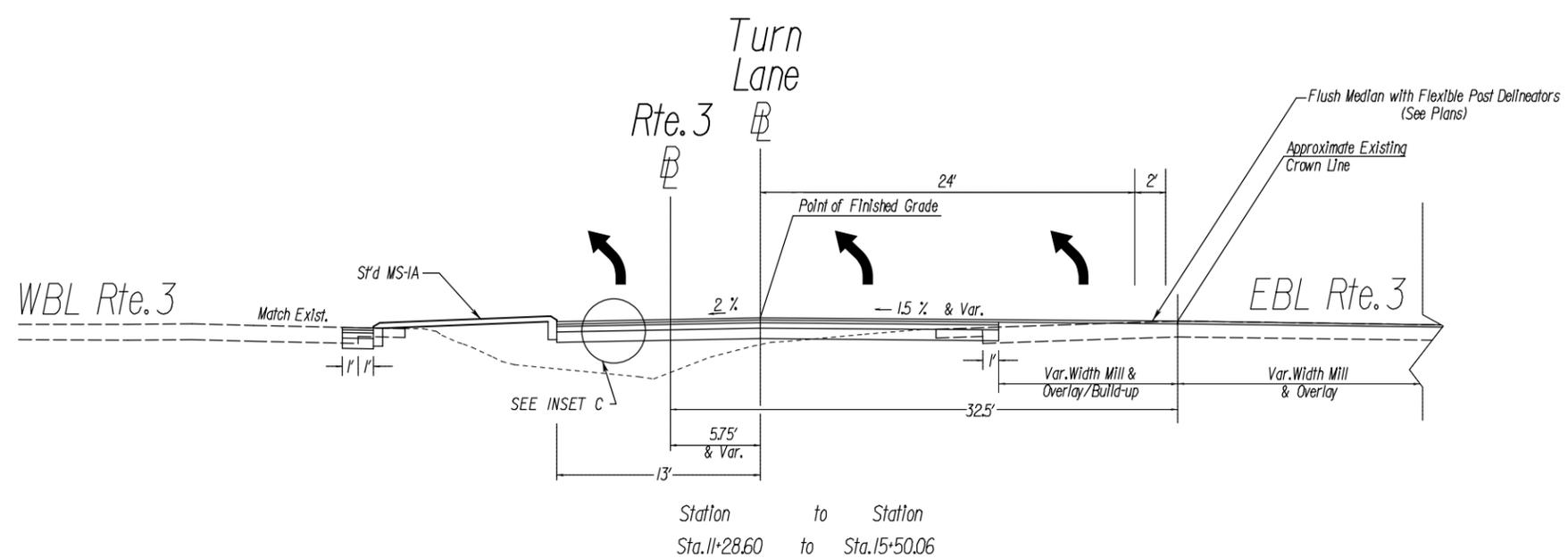
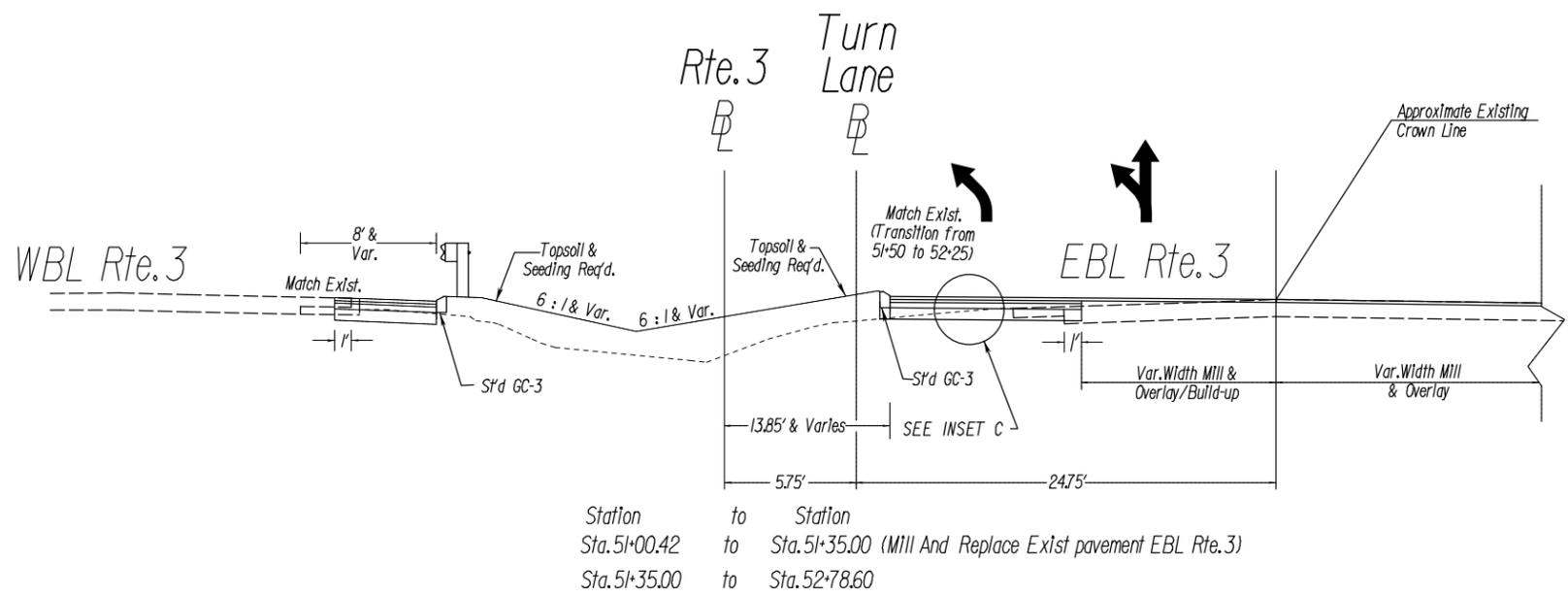
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	95	0095-111-278 RW-201C-501	2J



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



- ① 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 E
- ② 220 lbs/SY Asphalt Concrete Intermediate, Type IM-19.0D
- ③ 8 Inches Asphalt Concrete Base Type, BM-25.0 A
- ④ 8 Inches Aggregate Base Material, Type 1, 21B
- ⑤ 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 A
- ⑥ 6 Inches Asphalt Concrete Base Type, BM-25.0 A



TECHNICAL PROPOSAL CONCEPT PLANS

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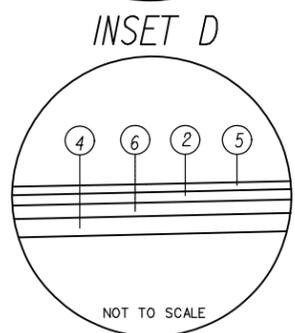
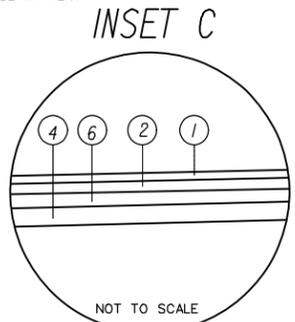
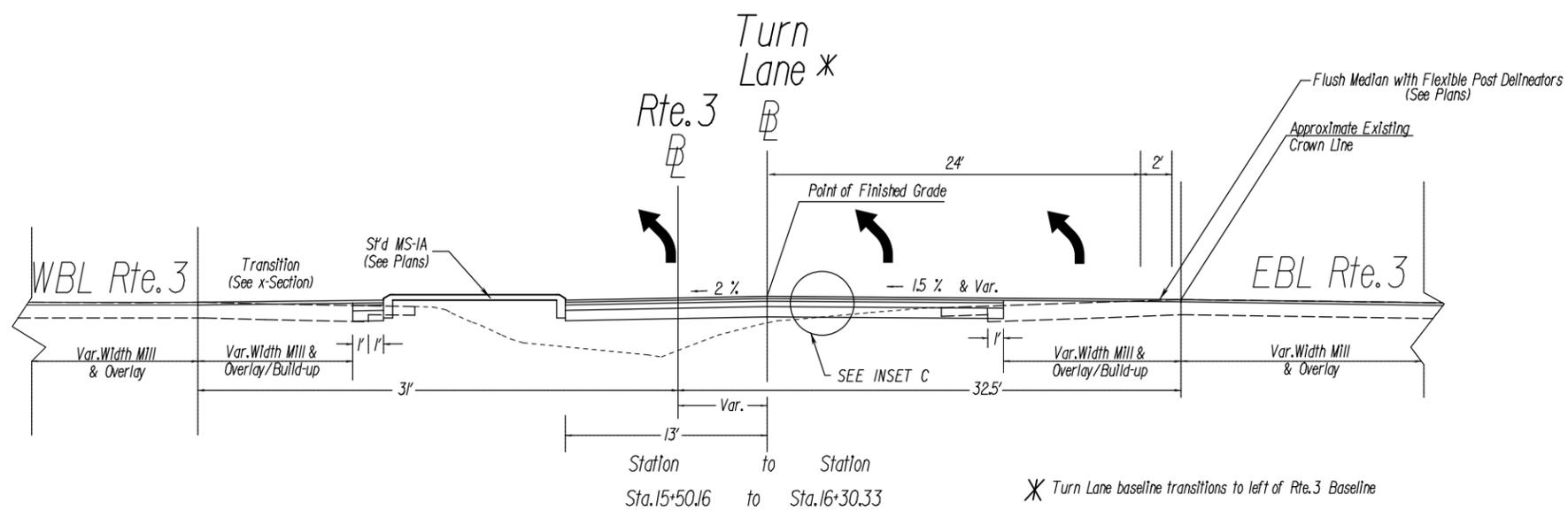
PROJECT	SHEET NO.
0095-111-278	2J

PROJECT MANAGER Byrd, Holloway, P.E. (540) 374-3367 (Fredericksburg District)
SURVEYED BY, DATE Bloe & Associates
DESIGN BY Jason, Henry, P.E. (804) 786-5975 (Central Office)
SUBSURFACE UTILITY BY, DATE Accumark, 3/18/16

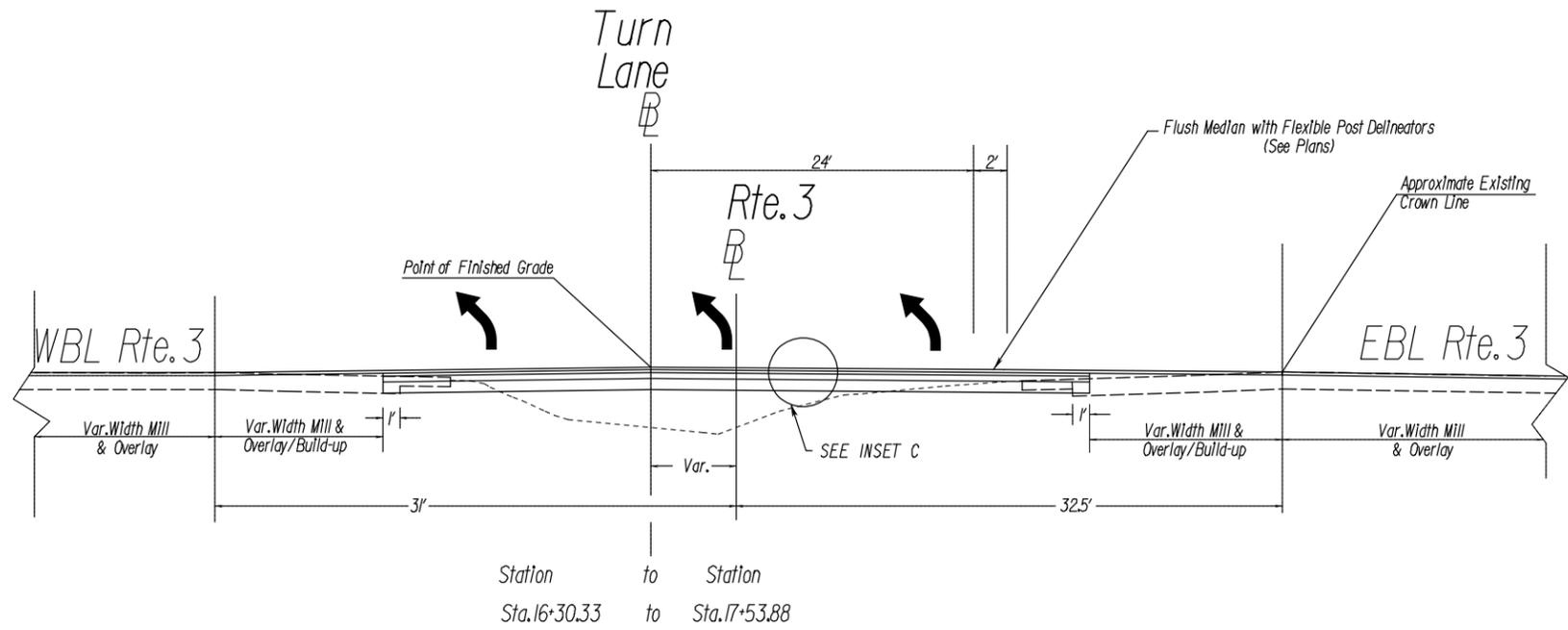
TYPICAL SECTIONS

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	95	0095-111-278 RW-201C-501	2K

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



- ① 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 E
- ② 220 lbs/SY Asphalt Concrete Intermediate, Type IM-19.0D
- ③ 8 Inches Asphalt Concrete Base Type, BM-25.0 A
- ④ 8 Inches Aggregate Base Material, Type I, 2/B
- ⑤ 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 A
- ⑥ 6 Inches Asphalt Concrete Base Type, BM-25.0 A



TECHNICAL PROPOSAL CONCEPT PLANS

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PROJECT	SHEET NO.
0095-111-278	2K

PROJECT MANAGER Byrd, Holloway, P.E. (540) 374-3367 (Fredericksburg District)
SURVEYED BY, DATE Rice & Associates
DESIGN BY Jason, Henry, P.E. (804) 786-5975 (Central Office)
SUBSURFACE UTILITY BY, DATE Accumark, 3/18/16

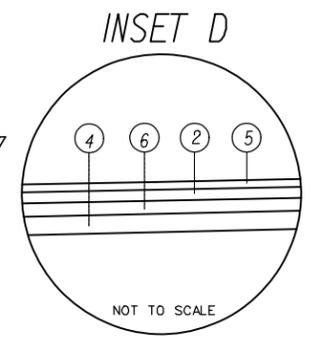
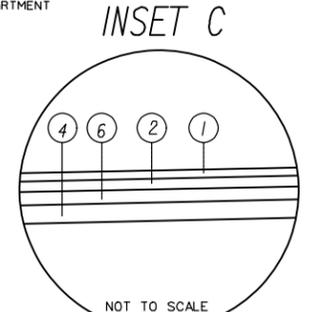
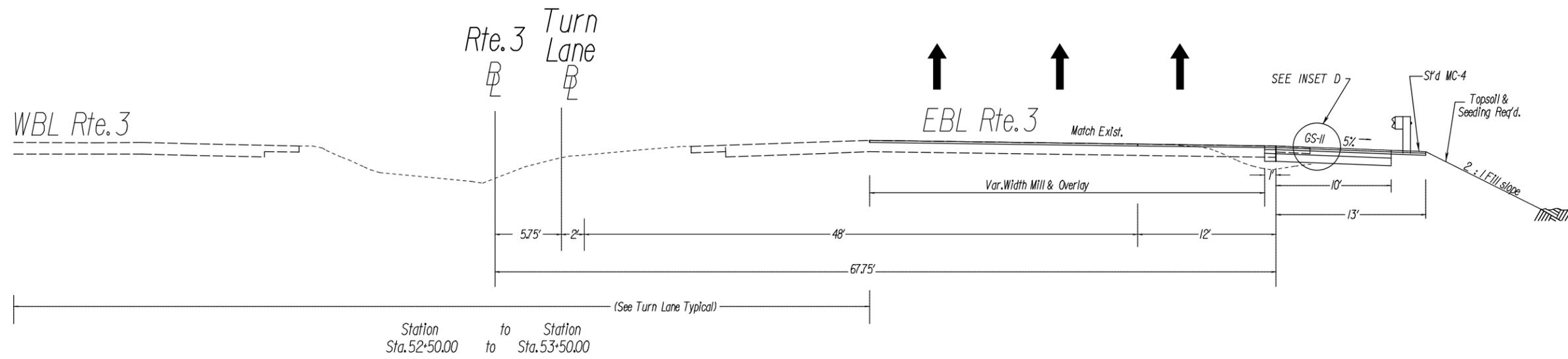
TYPICAL SECTIONS

TECHNICAL PROPOSAL CONCEPT PLANS

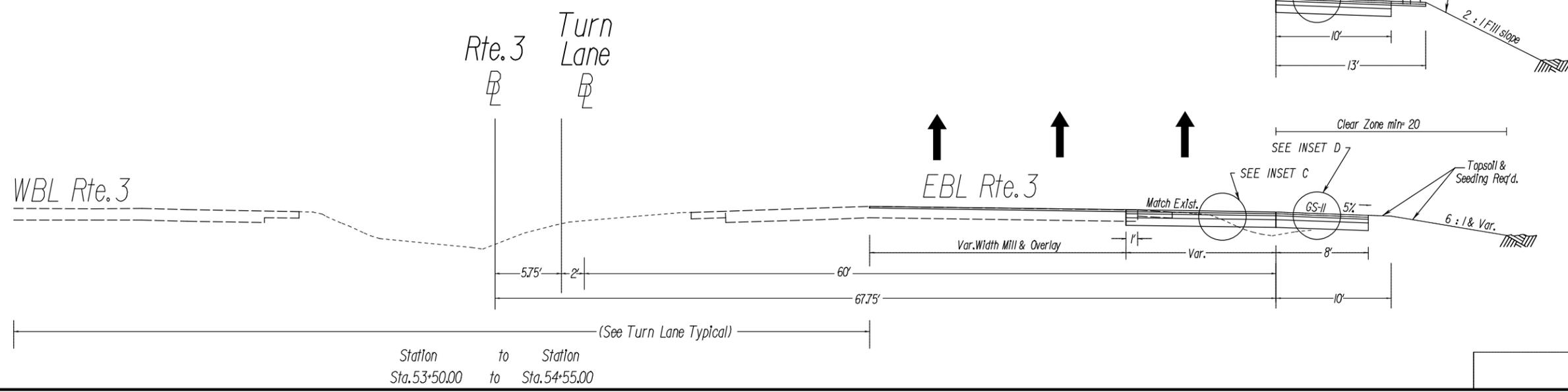
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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	95	0095-III-278 RW-201C-501	2L

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



- ① 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 E
- ② 220 lbs/SY Asphalt Concrete Intermediate, Type IM-19.0D
- ③ 8 Inches Asphalt Concrete Base Type, BM-25.0 A
- ④ 8 Inches Aggregate Base Material, Type 1, 21B
- ⑤ 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 A
- ⑥ 6 Inches Asphalt Concrete Base Type, BM-25.0 A



PROJECT	SHEET NO.
0095-III-278	2L

PROJECT MANAGER Byrd, Holloway, P.E. (540) 374-3367 (Fredericksburg District)
 SURVEYED BY, DATE Rice & Associates
 DESIGN BY Jason, Henry, P.E. (804) 786-5975 (Central Office)
 SUBSURFACE UTILITY BY, DATE Accumark, 3/18/16

TYPICAL SECTIONS

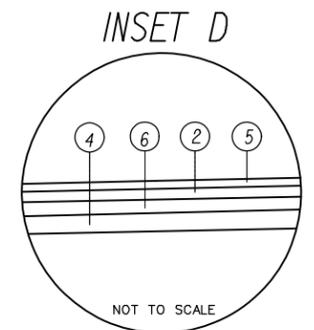
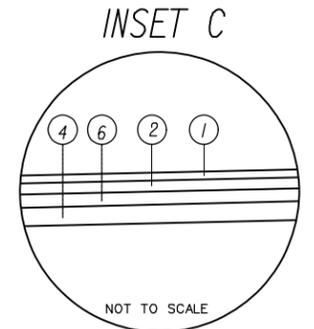
TECHNICAL PROPOSAL CONCEPT PLANS

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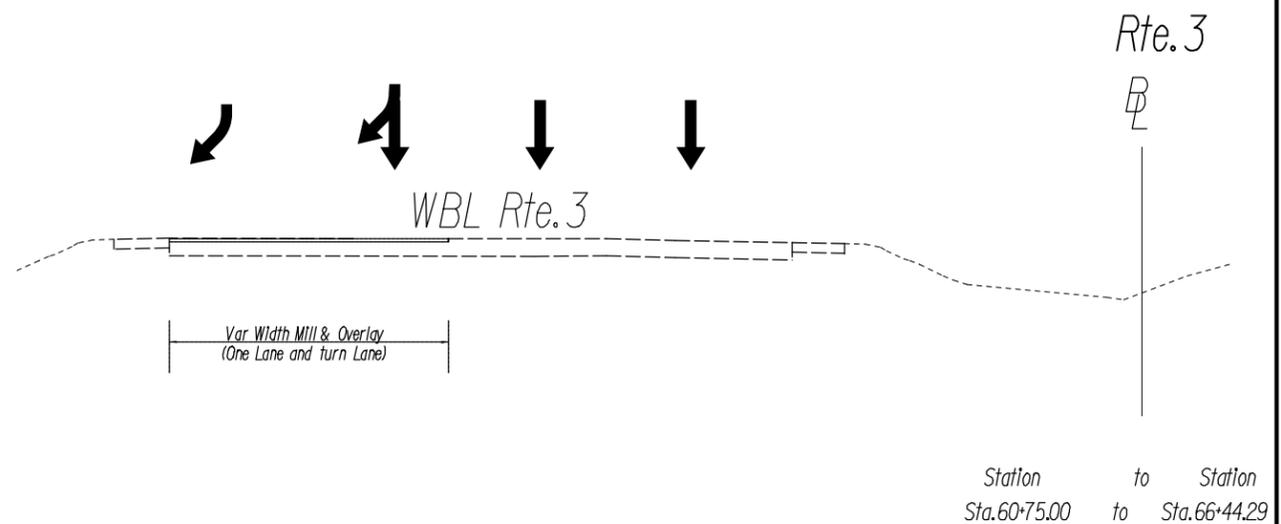
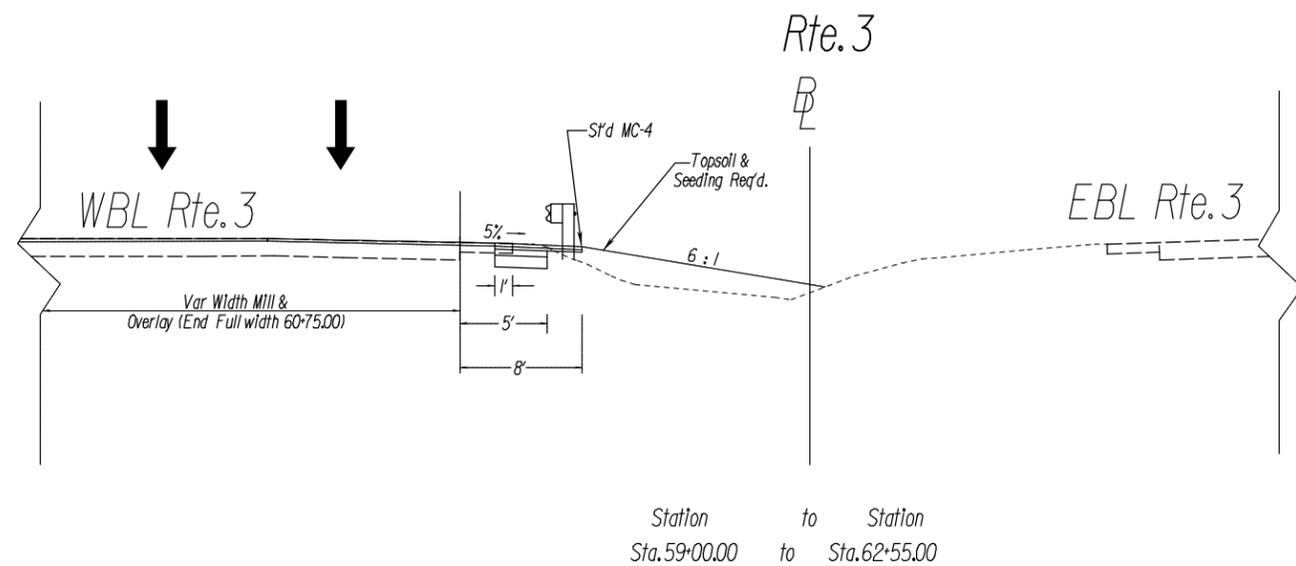
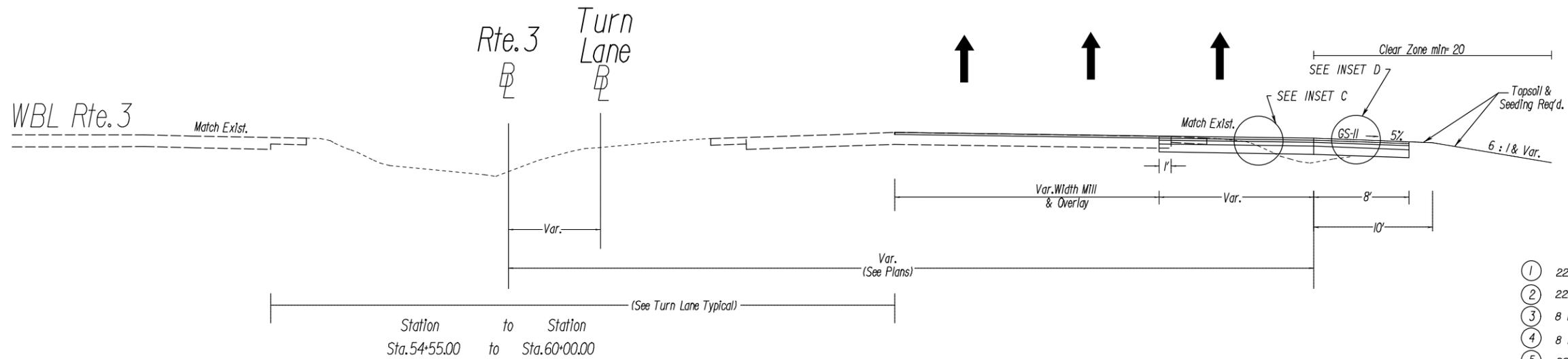
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 LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated October 4, 1956

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	95	0095-111-278 RW-201C-501	2M

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



- ① 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 E
- ② 220 lbs/SY Asphalt Concrete Intermediate, Type IM-19.0D
- ③ 8 Inches Asphalt Concrete Base Type, BM-25.0 A
- ④ 8 Inches Aggregate Base Material, Type I, 21B
- ⑤ 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 A
- ⑥ 6 Inches Asphalt Concrete Base Type, BM-25.0 A



PROJECT	SHEET NO.
0095-111-278	2M

PROJECT MANAGER Byrd, Holloway, P.E. (540) 374-3367 (Fredericksburg District)
SURVEYED BY, DATE Rice & Associates
DESIGN BY Jason, Henry, P.E. (804) 786-5975 (Central Office)
SUBSURFACE UTILITY BY, DATE Accumark, 3/18/16

TYPICAL SECTIONS

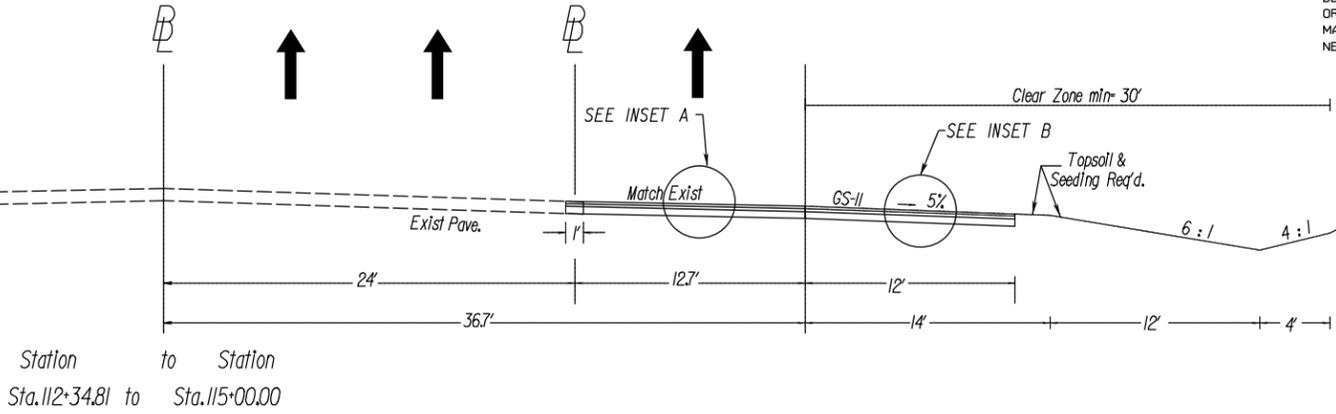
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	95	0095-111-278 RW-201C-501	2N

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

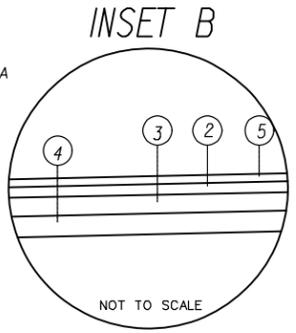
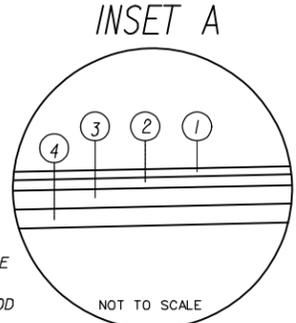
TECHNICAL PROPOSAL CONCEPT PLANS

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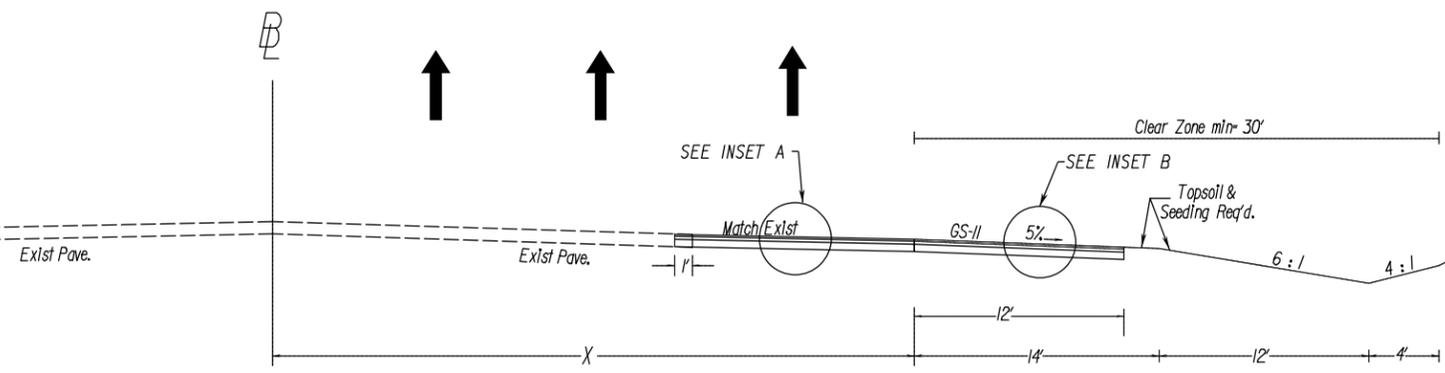
I-95 NBL Ramp A



- ① 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 E
- ② 220 lbs/SY Asphalt Concrete Intermediate, Type IM-19.0D
- ③ 8 Inches Asphalt Concrete Base Type, BM-25.0 A
- ④ 8 Inches Aggregate Base Material, Type I, 21B
- ⑤ 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 A
- ⑥ 6 Inches Asphalt Concrete Base Type, BM-25.0 A



I-95 NBL



PROJECT MANAGER Byrd, Holloway, P.E. (540) 374-3367 (Friedelocksburg District)
 SURVEYED BY, DATE Rice & Associates
 DESIGN BY Jason, Henry, P.E. (804) 786-5975 (Central Office)
 SUBSURFACE UTILITY BY, DATE Accumark, 3/18/16

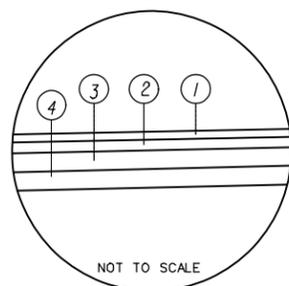
TYPICAL SECTIONS

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	95	0095-111-278 RW-201C-501	2-0

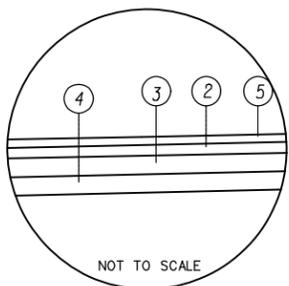
TECHNICAL PROPOSAL CONCEPT PLANS

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

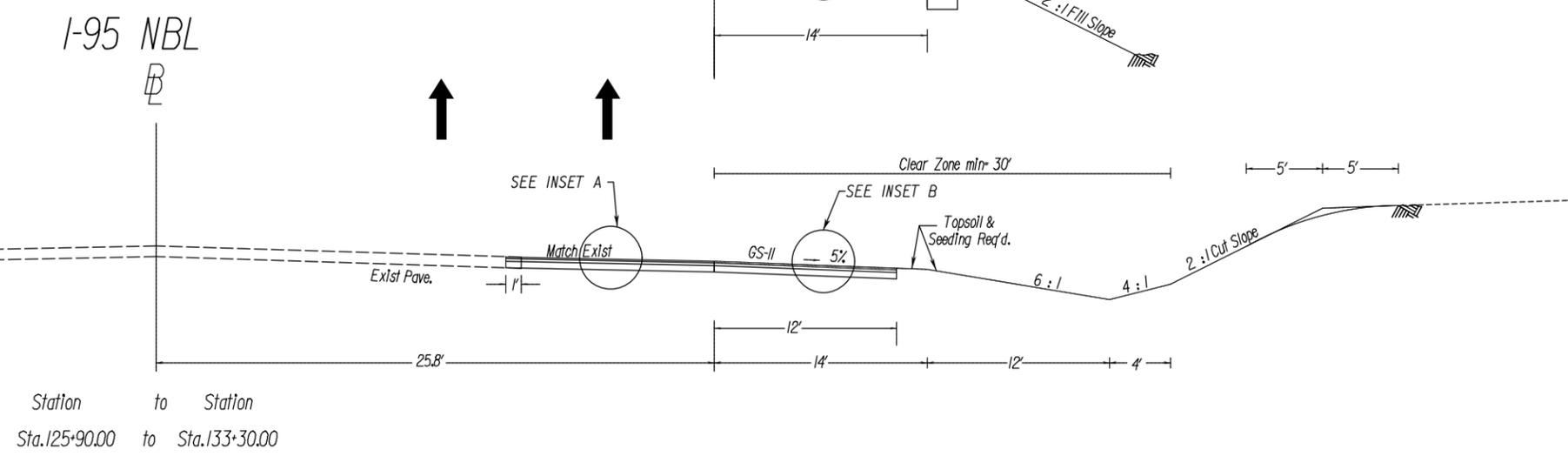
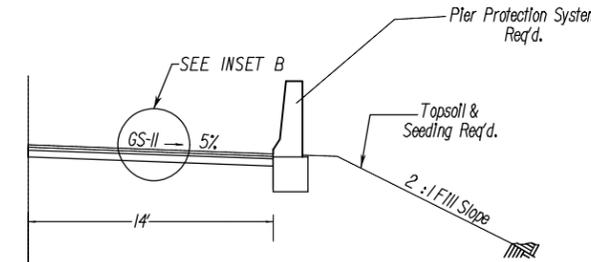
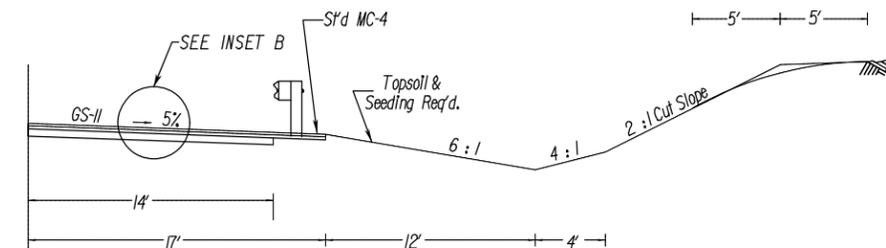
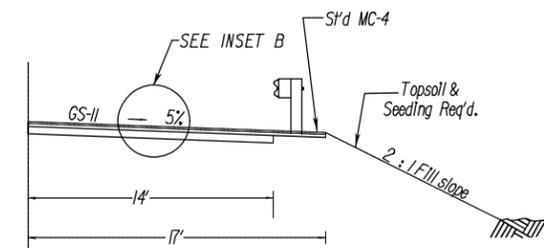
INSET A



INSET B



- ① 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 E
- ② 220 lbs/SY Asphalt Concrete Intermediate, Type IM-19.0D
- ③ 8 Inches Asphalt Concrete Base Type, BM-25.0 A
- ④ 8 Inches Aggregate Base Material, Type I, 2/B
- ⑤ 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 A
- ⑥ 6 Inches Asphalt Concrete Base Type, BM-25.0 A



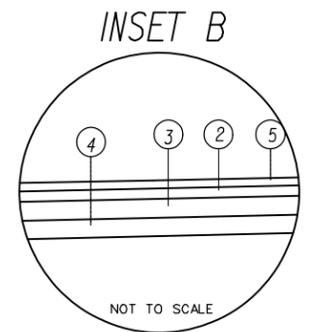
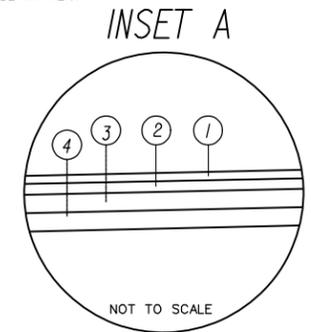
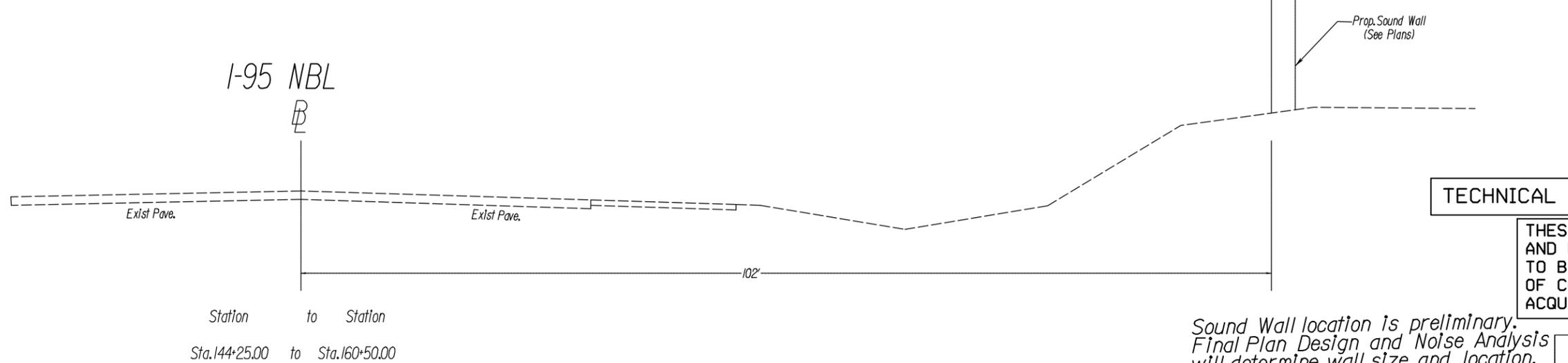
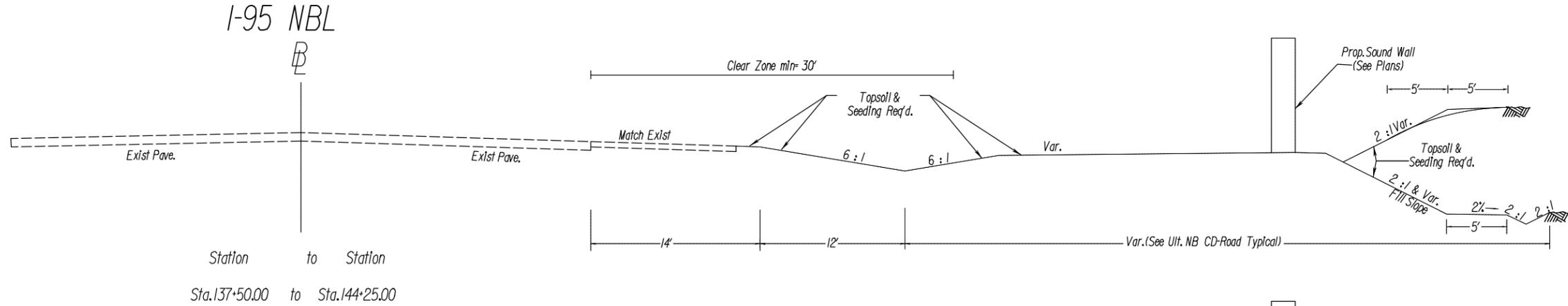
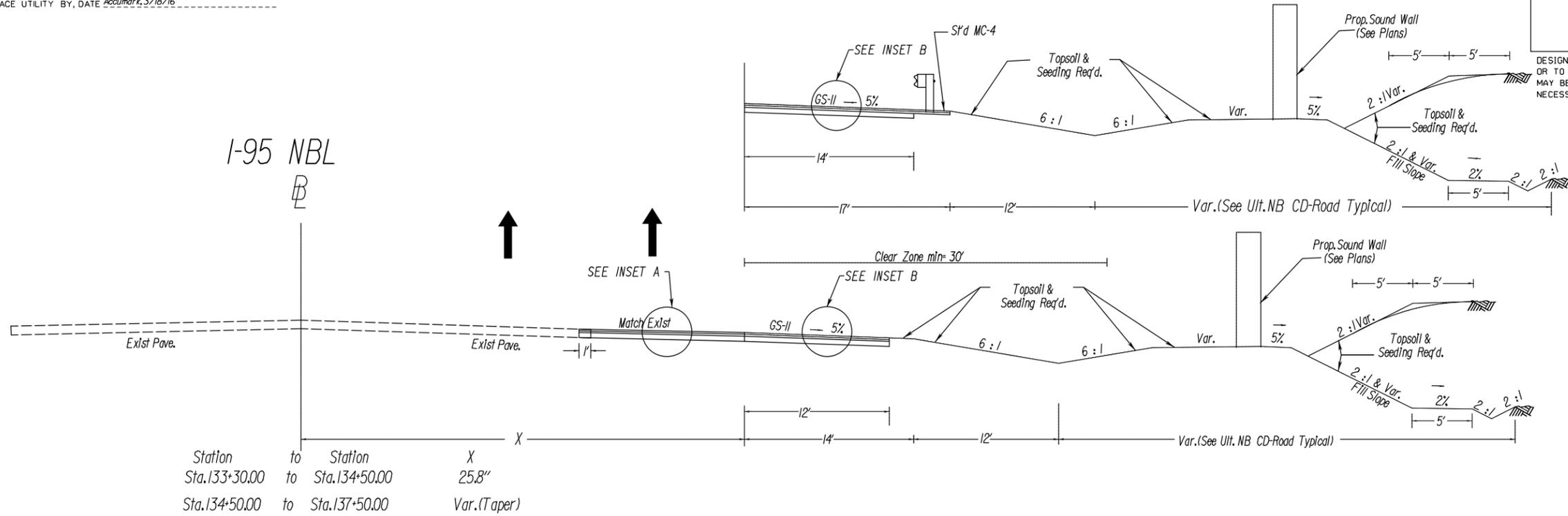
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

PROJECT MANAGER Byrd, Holloway, P.E. (540) 374-3367 (Fredericksburg District)
SURVEYED BY, DATE Rice & Associates
DESIGN BY Jason, Henry, P.E. (804) 786-5975 (Central Office)
SUBSURFACE UTILITY BY, DATE Accumark, 3/18/16

TYPICAL SECTIONS

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	95	0095-III-278 RW-201C-501	2P

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



- ① 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 E
- ② 220 lbs/SY Asphalt Concrete Intermediate, Type IM-19.0D
- ③ 8 Inches Asphalt Concrete Base Type, BM-25.0 A
- ④ 8 Inches Aggregate Base Material, Type I, 21B
- ⑤ 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 A
- ⑥ 6 Inches Asphalt Concrete Base Type, BM-25.0 A

TECHNICAL PROPOSAL CONCEPT PLANS

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

Sound Wall location is preliminary.
Final Plan Design and Noise Analysis will determine wall size and location.

PROJECT	SHEET NO.
0095-III-278	2P

PROJECT MANAGER Byrd, Holloway, P.E. (540) 374-3367 (Ft. Loudoun District)
 SURVEYED BY, DATE Rice & Associates
 DESIGN BY Jason Henry, P.E. (804) 786-5975 (Central Office)
 SUBSURFACE UTILITY BY, DATE AccuMark 3/19/16

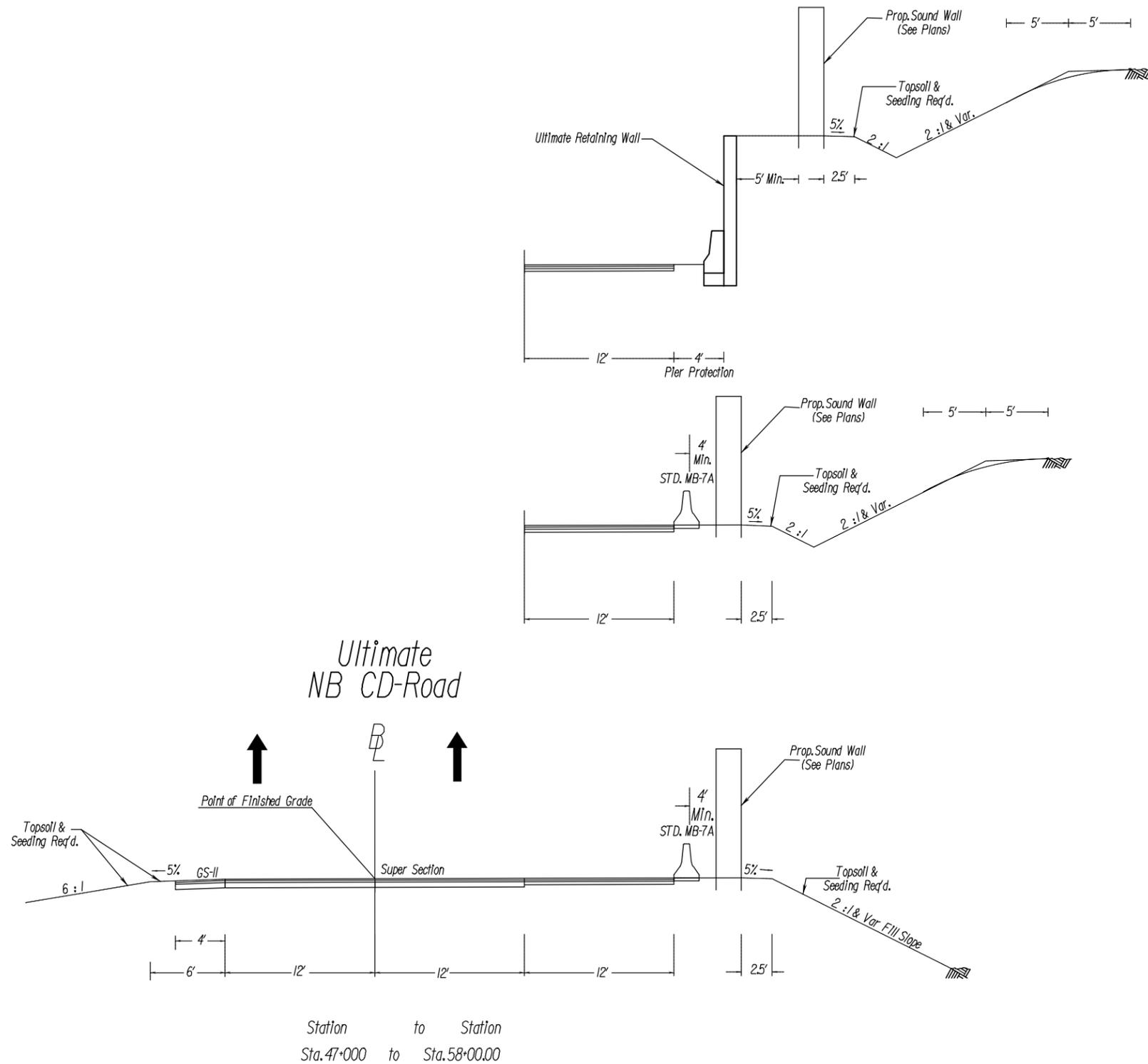
TYPICAL SECTIONS

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	95	0095-III-278 RW-201,C-501	20

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

TECHNICAL PROPOSAL CONCEPT PLANS

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



PROJECT MANAGER Byrd, Holloway, P.E. (540) 374-3367 (Ft. Lee/Leesburg District)
 SURVEYED BY, DATE Rice & Associates
 DESIGN BY Jason Henry, P.E. (804) 786-5975 (Central Office)
 SUBSURFACE UTILITY BY, DATE AccuMark 3/19/16

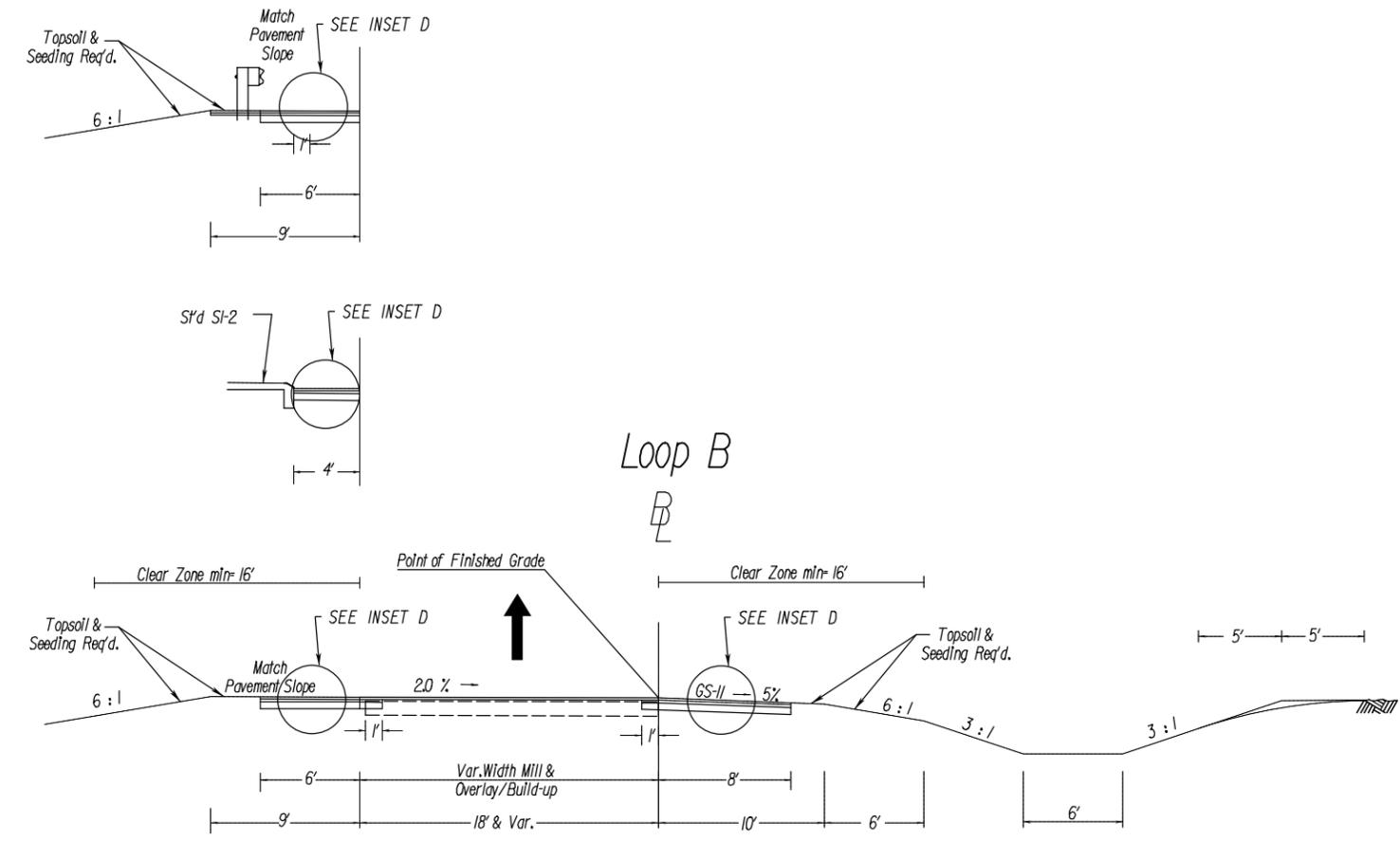
TYPICAL SECTIONS

LIMITED ACCESS HIGHWAY		By Resolution of Highway Commission dated October 4, 1956		SHEET NO.
REVISED	STATE	ROUTE	PROJECT	
	VA.	95	0095-III-278 RW-201,C-501	2R

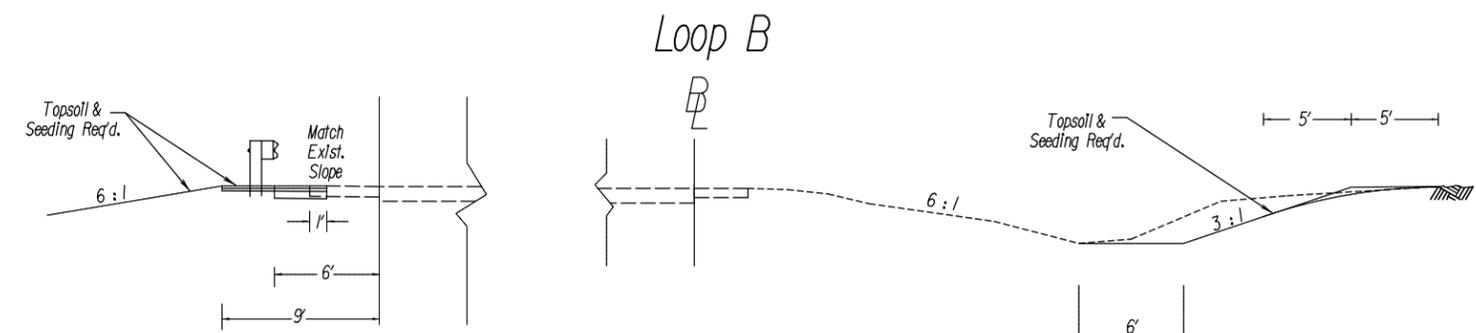
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TECHNICAL PROPOSAL CONCEPT PLANS

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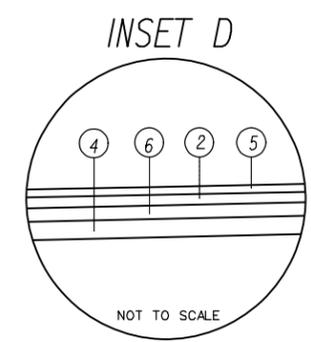


Station to Station
Sta. 10+00.00 to Sta. 13+00.00



Station to Station
Sta. 13+00.00 to Sta. 14+25.00

Station to Station
Sta. 13+00.00 to Sta. 15+50.00



- ① 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 E
- ② 220 lbs/SY Asphalt Concrete Intermediate, Type IM-19.0D
- ③ 8 Inches Asphalt Concrete Base Type, BM-25.0 A
- ④ 8 Inches Aggregate Base Material, Type I, 2IB
- ⑤ 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 A
- ⑥ 6 Inches Asphalt Concrete Base Type, BM-25.0 A

PROJECT	0095-III-278	SHEET NO.	2R
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PROJECT MANAGER Byrd, Holloway, P.E. (540) 374-3367 (Ft. Loudoun District)
SURVEYED BY, DATE Rice & Associates
DESIGN BY Jason Henry, P.E. (804) 786-5975 (Central Office)
SUBSURFACE UTILITY BY, DATE AccuMark 3/19/16

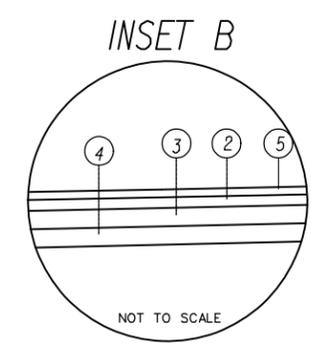
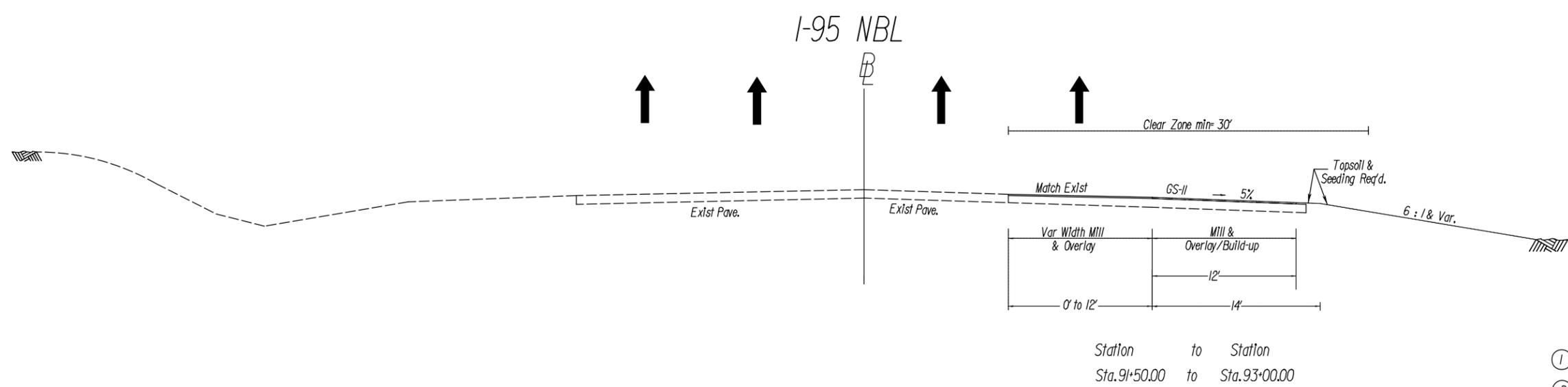
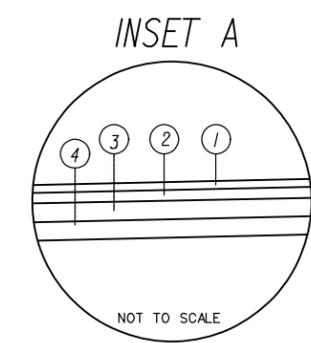
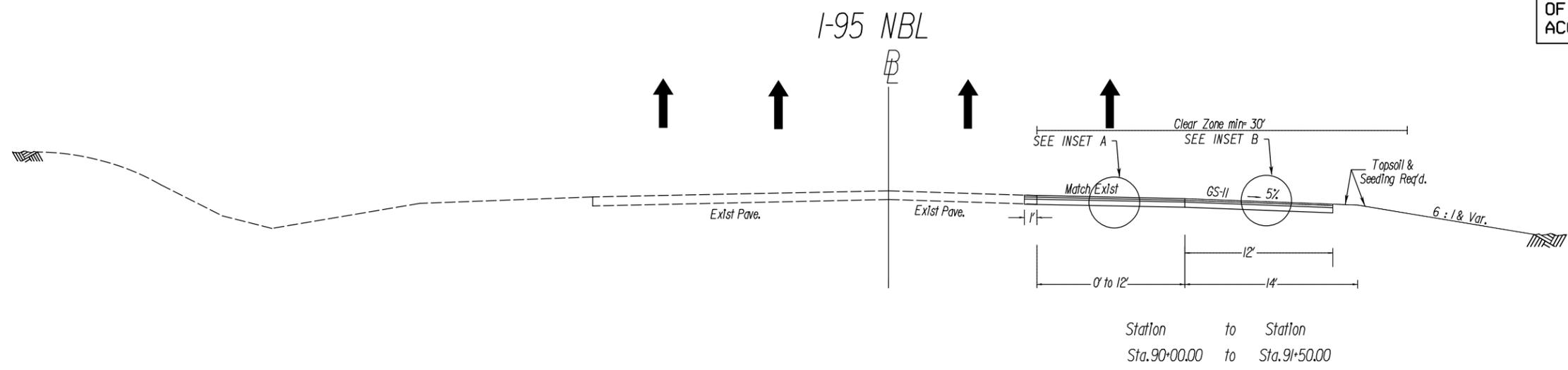
TYPICAL SECTIONS

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	95	0095-III-278 RW-201.C-501	2S

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

TECHNICAL PROPOSAL CONCEPT PLANS

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



- ① 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 E
- ② 220 lbs/SY Asphalt Concrete Intermediate, Type IM-19.0D
- ③ 8 Inches Asphalt Concrete Base Type, BM-25.0 A
- ④ 8 Inches Aggregate Base Material, Type 1, 21B
- ⑤ 220 lbs/SY Asphalt Concrete Surface Type, SM 12.5 A
- ⑥ 6 Inches Asphalt Concrete Base Type, BM-25.0 A

PROJECT	SHEET NO.
0095-III-278	2S

PROJECT MANAGER: Byrd Holloway, P.E. (540) 374-3367 (Fredericksburg District)
SURVEYED BY, DATE: Rice & Associates
DESIGN BY: Jason Henry, P.E. (804) 786-5975 (Central Office)
SUBSURFACE UTILITY BY, DATE:

Utility Owners:
Gas: Columbia Gas
NSource Damage Prevention Screening
1600 Dublin Road
Marble Cliff, Ohio 43215
Call: (614) 315-6524
Office: (614) 481-1456
Fax: (614) 481-1264
CDCDamagePreventionCenter@nsource.com

Water and Sewer: City of Fredericksburg
Department of Public Works
Bassam Amlin
City of Fredericksburg
P.O. Box 7447
Fredericksburg, VA 22404
(540) 372-1023 ext. 251
bamlin@fredericksburgva.gov

Power: Dominion Virginia Power
Susan Smith
7500 West Broad Street
Richmond, VA 23294
Mobile: (804) 839-9960
susan.s.smith@dom.com

Telecomm: Comcast (CMC)
Mark Sheriff
439 Dale Blvd
Woodbridge, VA 22193
(804) 385-6664
Mark.Sheriff@comcast.com

Verizon (VZN)
William (Bill) Lacy
Verizon Project Designer / Highway Relocations
9401 Peabody Street Manassas, VA 20110
office (703) 369-9571 fax (703) 330-7323
cell (540) 520-1905
william.lacy@verizon.com

SummitIG (SIG)
Steve Ragland
22375 Broadrick Dr.
Suite 165
Dulles, VA 20166
(804) 317-4483
sragland@summitig.com

Cox Communications (COX)
James Cummings
1310 Belman Road
Fredericksburg, VA 22401
(517) 237-8596
James.Cummings@cox.com

PEG Bandwidth (PEG)
Michael Llamas
8532 Skip Jack Pl
Pasadena, MD 21122
(443) 827-1786
mlamas@pegbandwidth.com

Sidera Networks (SID)
Rick Stransky
(801) 669-4175

Curve ROUTE 3-1
PI = 25+39.20
DELTA = 22° 33' 21.6" (RT)
D = 2' 00" 55"
T = 566.95'
L = 149.22'
R = 2,843.00'
PC = 19+72.25
PT = 30+91.47

Curve SLIPRPB2
PI = 309+56.77
DELTA = 1° 44' 05.52" (RT)
D = 0' 58" 19"
T = 89.24'
L = 178.47'
R = 5,894.15'
PC = 308+67.52
PT = 310+45.99
E = Normal Crown
V = 25 MPH

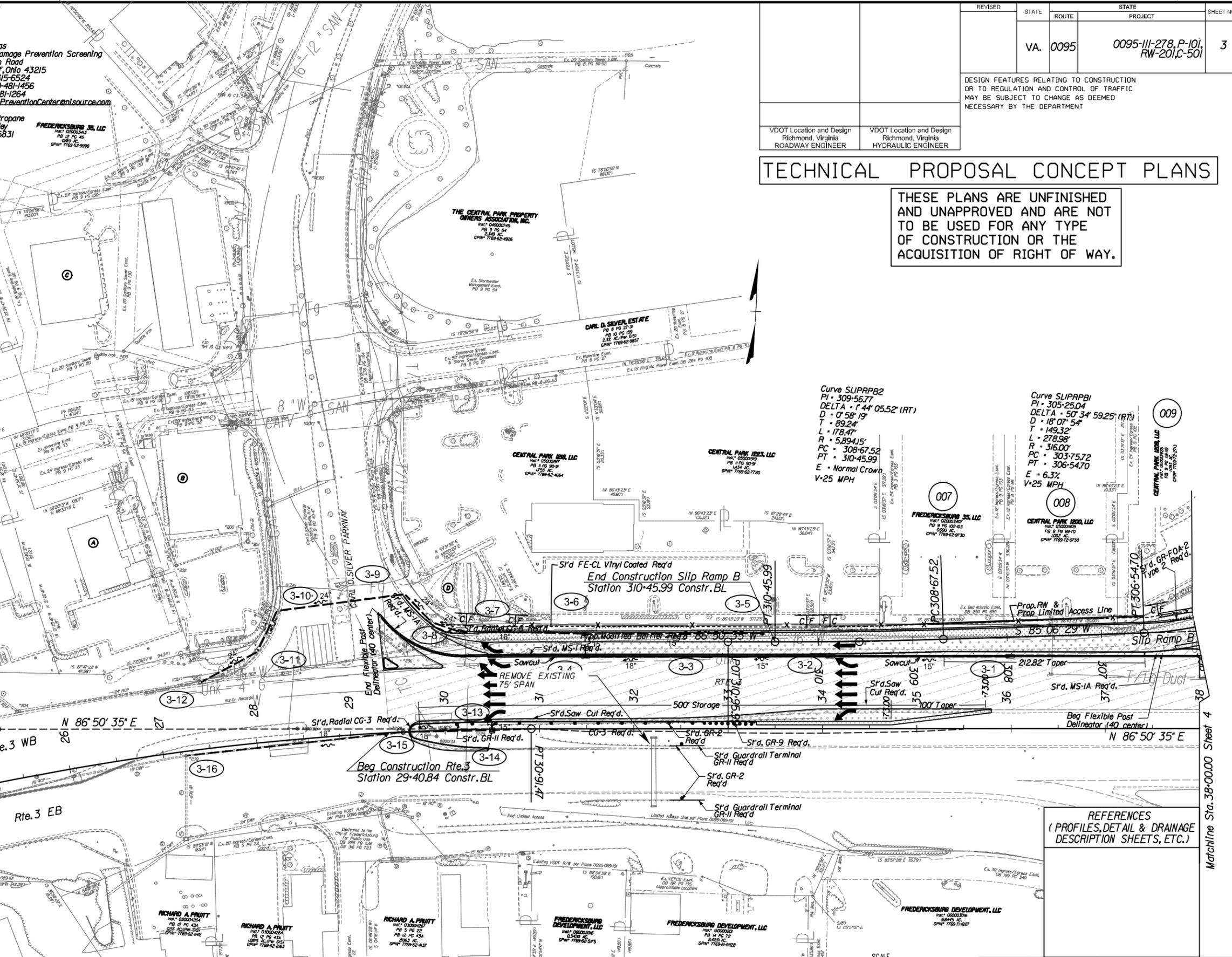
Curve SLIPRPB1
PI = 305+25.04
DELTA = 50° 34' 59.25" (RT)
D = 18' 07" 54"
T = 149.32'
L = 278.98'
R = 316.00'
PC = 303+75.72
PT = 306+54.70
E = 6.3%
V = 25 MPH

Curve ROUTE 3-1
PI = 25+39.20
DELTA = 22° 33' 21.6" (RT)
D = 2' 00" 55"
T = 566.95'
L = 149.22'
R = 2,843.00'
PC = 19+72.25
PT = 30+91.47

Curve ROUTE 3-1
PI = 25+39.20
DELTA = 22° 33' 21.6" (RT)
D = 2' 00" 55"
T = 566.95'
L = 149.22'
R = 2,843.00'
PC = 19+72.25
PT = 30+91.47

Curve ROUTE 3-1
PI = 25+39.20
DELTA = 22° 33' 21.6" (RT)
D = 2' 00" 55"
T = 566.95'
L = 149.22'
R = 2,843.00'
PC = 19+72.25
PT = 30+91.47

Curve ROUTE 3-1
PI = 25+39.20
DELTA = 22° 33' 21.6" (RT)
D = 2' 00" 55"
T = 566.95'
L = 149.22'
R = 2,843.00'
PC = 19+72.25
PT = 30+91.47



TECHNICAL PROPOSAL CONCEPT PLANS

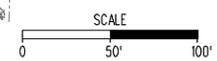
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	0095		0095-III-278, P-101, RW-201-C-501	3

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

VDOT Location and Design Richmond, Virginia ROADWAY ENGINEER	VDOT Location and Design Richmond, Virginia HYDRAULIC ENGINEER
--	--

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



PROJECT MANAGER Byrd, Holloway, P.E. (540) 374-3367 (Federalburg District)
SURVEYED BY, DATE Blace & Associates
DESIGN BY Jason Henry, P.E. (804) 786-5975 (Central Office)
SUBSURFACE UTILITY BY, DATE Accurack, 3/18/16

For Utility Owners, refer to Sheet 3.

REVISION	STATE	ROUTE	PROJECT	SHEET NO.

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

VDOT Location and Design Richmond, Virginia ROADWAY ENGINEER	VDOT Location and Design Richmond, Virginia HYDRAULIC ENGINEER
--	--

TECHNICAL PROPOSAL CONCEPT PLANS

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



- Proposed Signal
- Denotes mill and overlay existing pavement
- Denotes area of proposed pavement
- Denotes area of proposed paved shoulder
- Denotes area of demolition of pavement
- Denotes Survey Obscured Areas

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

Curve NBRAMP21
PI - 11-23.72
DELTA - 1° 46' 44.76" (LT)
D - 0' 43' 09"
T - 123.72'
L - 247.43'
R - 7.968.44'
PC - 10-00.00
PRC - 12-47.43
E - 3.0%

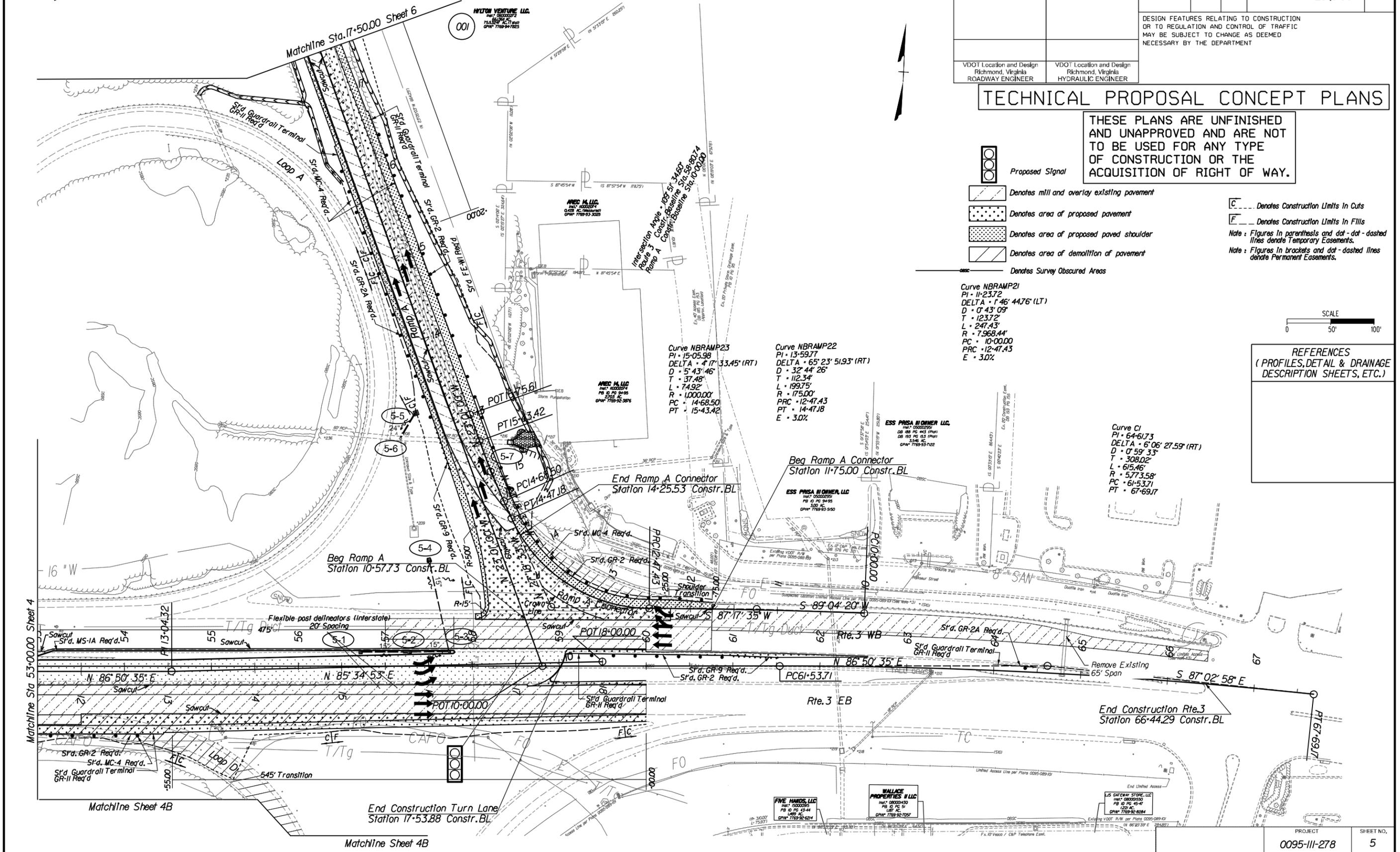
Curve NBRAMP23
PI - 15-05.98
DELTA - 4° 17' 33.45" (RT)
D - 5' 43' 46"
T - 37.48'
L - 74.92'
R - 1000.00'
PC - 14-68.50
PT - 15-43.42

Curve NBRAMP22
PI - 13-59.77
DELTA - 6° 5' 23' 51.93" (RT)
D - 32' 44' 26"
T - 112.34'
L - 199.75'
R - 175.00'
PRC - 12-47.43
PT - 14-47.18
E - 3.0%

Curve CI
PI - 64-61.73
DELTA - 6° 06' 27.59" (RT)
D - 0' 59' 33"
T - 308.02'
L - 615.46'
R - 5773.58'
PC - 61-53.71
PT - 67-69.17



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



PROJECT MANAGER: Byrd, Holloway, P.E. (1540) 374-3362 (Fredericksburg District)
 SURVEYED BY, DATE: Rice & Associates
 DESIGN BY: Jason, Henry, P.E. (804) 786-5975 (Central Office)
 SUBSURFACE UTILITY BY, DATE: Accumark, 3/18/16

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	0095		0095-III-278 RW-201,C-501	6

TECHNICAL PROPOSAL CONCEPT PLANS

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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

VDOT Location and Design
Richmond, Virginia
ROADWAY ENGINEER

VDOT Location and Design
Richmond, Virginia
HYDRAULIC ENGINEER

For Utility Owners, refer to Sheet 3.

LOWE'S HOME CENTERS, INC.
10000 W. BRIDGE PL.
RICHMOND, VA 23234
PH: 781-317-7275

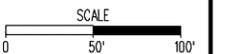
Curve OFFRAMP3ALJ
 PI = 208+37.37
 DELTA = 51° 35' 43"
 L = 345.347'
 R = 663.347'
 PC = 102+38
 PT = 204+9.90
 e = 7.5%
 V = 50 MPH

Curve NBRAMP2
 PI = 24+46.52
 DELTA = 17° 39' 04.46" (RT)
 D = 521.7'
 L = 96.13'
 R = 327.64'
 PC = 22+80.49
 PT = 26+103.3

Curve NBRAMP1
 PI = 21+36.21
 DELTA = 20° 27' 14.21" (RT)
 D = 700.44'
 L = 147.42'
 R = 291.69'
 PC = 19+88.79
 PCC = 22+80.49
 e = 8.0%
 V = 50 MPH

- C --- Denotes Construction Limits in Cuts
- F --- Denotes Construction Limits in Fills
- Note: Figures in parentheses and dot-dot-dashed lines denote Temporary Easements.
- Note: Figures in brackets and dot-dashed lines denote Permanent Easements.
- Denotes Survey Obscured Areas
- [Pattern] Denotes area of proposed pavement
- [Pattern] Denotes area of proposed paved shoulder
- [Pattern] Denotes area of demolition of pavement
- [Pattern] Denotes mill and overlay existing pavement

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



PROJECT	SHEET NO.
0095-III-278	6

PROJECT MANAGER: Byrd, Holloway, P.E. (1540) 374-3367 (Fredericksburg District)
SURVEYED BY, DATE: Pico & Associates
DESIGN BY: Jason Henry, P.E. (1804) 786-5975 (Central Office)
SUBSURFACE UTILITY BY, DATE: Accumark, 3/18/16

TECHNICAL PROPOSAL CONCEPT PLANS

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

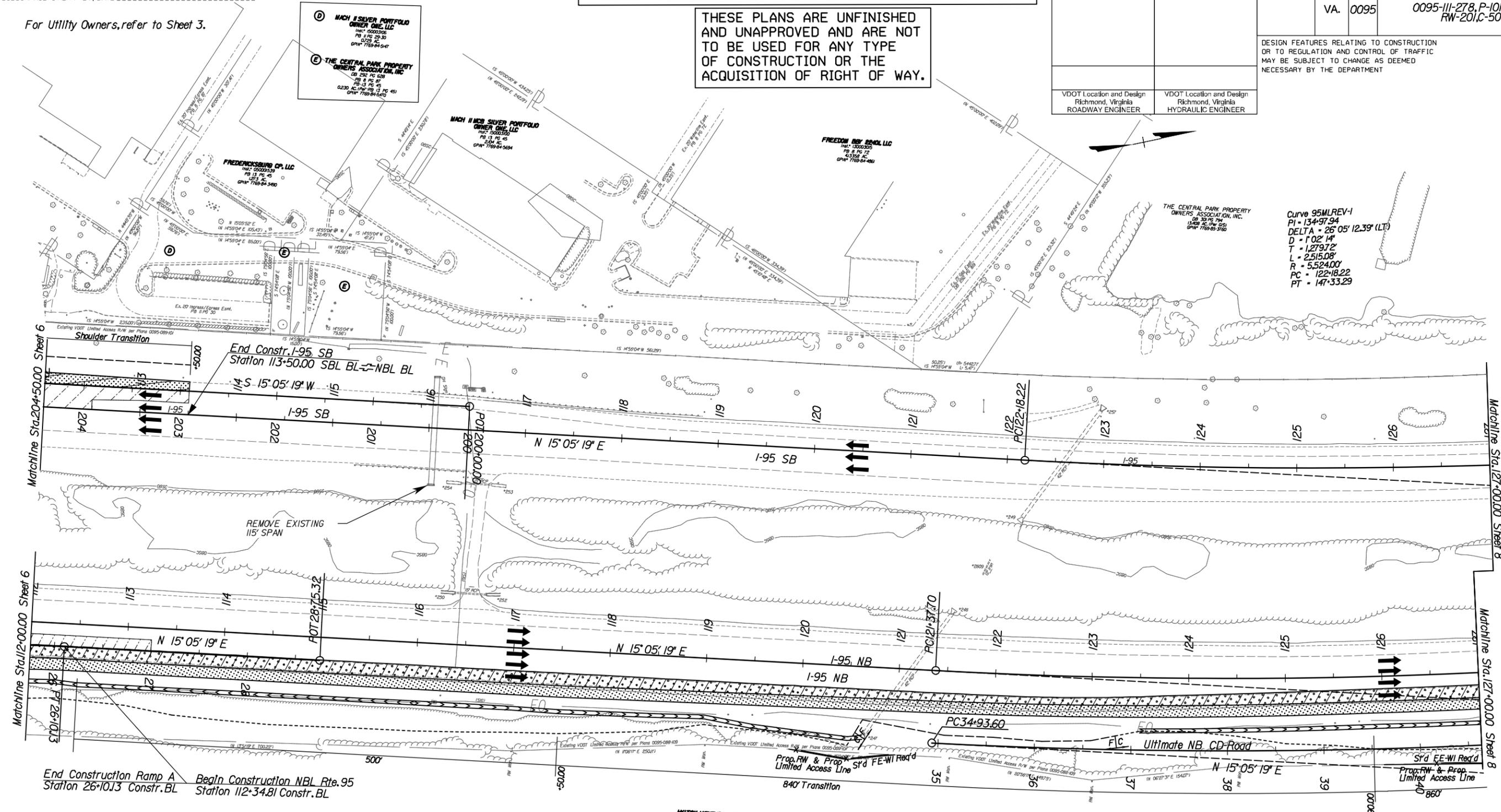
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	0095	0095-111-278, P-101, RW-201, C-501	7

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

VDOT Location and Design
Richmond, Virginia
ROADWAY ENGINEER

VDOT Location and Design
Richmond, Virginia
HYDRAULIC ENGINEER

For Utility Owners, refer to Sheet 3.

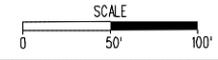


Curve 95MLREV-1
PI = 134+97.94
DELTA = 25° 05' 12.39" (LT)
D = 1° 02' 14"
T = 1279.72'
L = 2515.08'
R = 5524.00'
PC = 122+18.22
PT = 147+33.29

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

Ultimate CD-Road
Curve CDWALL22
PI = 4+22.02
DELTA = 12° 39' 35.70" (LT)
D = 1° 00' 41"
T = 628.42'
L = 1251.72'
R = 5665.00'
PC = 34+93.60
PCC = 47+45.32

Curve 95NB2
PI = 134+27.46
DELTA = 25° 59' 04.76" (LT)
D = 1° 01' 30"
T = 1289.76'
L = 2535.16'
R = 5590.00'
PC = 121+37.70
PT = 146+72.86



- Denotes Survey Obscured Areas
 - Denotes Construction Limits In Cuts
 - Denotes Construction Limits In Fills
 - Denotes area of mill and overlay existing pavement
 - Denotes area of proposed pavement
 - Denotes area of proposed paved shoulder
 - Denotes area of demolition of pavement
- Note: Figures in parentheses and dot-dot-dashed lines denote Temporary Easements.
Note: Figures in brackets and dot-dashed lines denote Permanent Easements.

HILTON VENTURE LLC
7550 W. W. ...
DPR# 1789-947825

001

PROJECT MANAGER: Byrd, Holloman, P.E. (540) 374-3367 (Fletcherburg District)
SURVEYED BY, DATE: Rice & Associates
DESIGN BY: Jason Henry, P.E. (804) 866-5975 (Central Of 11ca)
SUBSURFACE UTILITY BY, DATE: Accurmark, 3/18/16

VDOT Location and Design Richmond, Virginia ROADWAY ENGINEER	VDOT Location and Design Richmond, Virginia HYDRAULIC ENGINEER
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TECHNICAL PROPOSAL CONCEPT PLANS

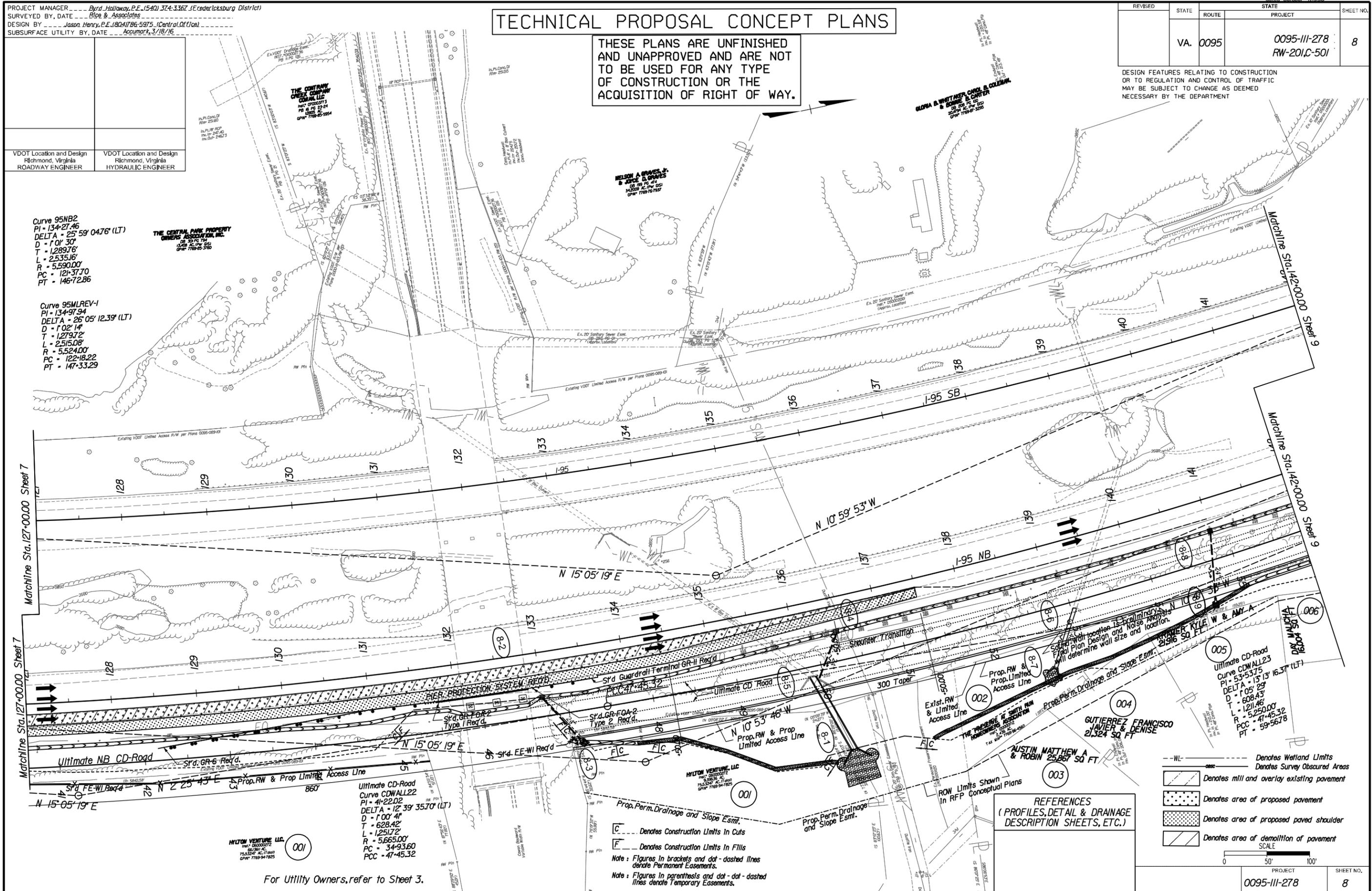
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REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	0095		0095-III-278 RW-201C-501	8

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

Curve 95NB2
PI = 134+27.46
DELTA = 25° 59' 04.76" (LT)
D = 1' 01' 30"
T = 1289.76'
L = 2535.16'
R = 5590.00'
PC = 121+37.70
PT = 146+72.86

Curve 95MLREV-1
PI = 134+97.94
DELTA = 26° 05' 12.39" (LT)
D = 1' 02' 14"
T = 1279.72'
L = 2515.08'
R = 5524.00'
PC = 122+18.22
PT = 147+33.29



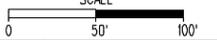
HILTON VENTURE LLC
66119th Ave
75453rd Ave, #11801
GPM# 7169-947825

For Utility Owners, refer to Sheet 3.

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

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

- WL--- Denotes Wetland Limits
- S--- Denotes Survey Obscured Areas
- [Hatched] Denotes mill and overlay existing pavement
- [Dotted] Denotes area of proposed pavement
- [Cross-hatched] Denotes area of proposed paved shoulder
- [Diagonal lines] Denotes area of demolition of pavement



PROJECT	SHEET NO.
0095-III-278	8

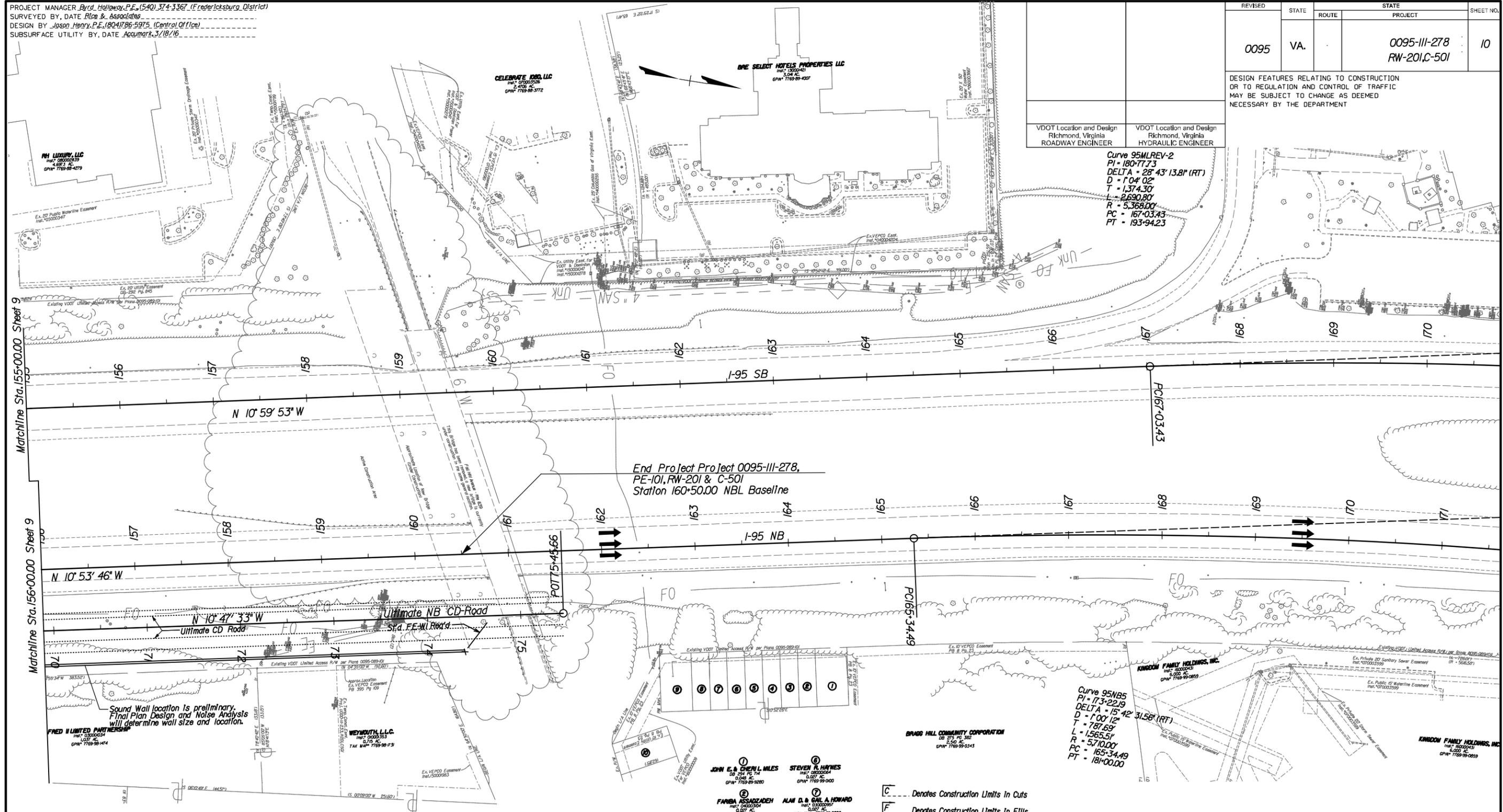
PROJECT MANAGER Byrd, Holloway, P.E. (540) 374-3367 (Fredericksburg District)
SURVEYED BY, DATE Rice & Associates
DESIGN BY Jason Henry, P.E. (804) 786-5975 (Central Office)
SUBSURFACE UTILITY BY, DATE Accumark, 3/18/16

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
0095	VA.			0095-III-278 RW-201C-501	10

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

VDOT Location and Design
Richmond, Virginia
ROADWAY ENGINEER

VDOT Location and Design
Richmond, Virginia
HYDRAULIC ENGINEER



End Project Project 0095-III-278,
PE-101, RW-201 & C-501
Station 160+50.00 NBL Baseline

Curve 95NBS
PI = 173+22.19
DELTA = 15° 42' 31.56" (RT)
D = 1' 00' 12"
T = 787.69'
L = 1565.51'
PC = 57+10.00'
PT = 181+00.00'

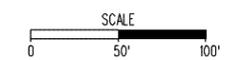
TECHNICAL PROPOSAL CONCEPT PLANS

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

- 1 JOHN E. & CHEN L. MILES DB 254 PG 74 0.045 AC GPM# 1769-89-9280
- 2 FARBA ASSAZZADEN INT# 13430394 0.027 AC GPM# 1769-89-987
- 3 KELLY D. NEWTON INT# 04022044 0.027 AC GPM# 1769-89-995
- 4 ADOLFO HERNANDEZ INT# 08022546 0.027 AC GPM# 1769-89-994
- 5 EYONNE E. THOMAS INT# 04022438 0.027 AC GPM# 1769-89-992
- 6 STEVEN R. HAYNES INT# 08022824 0.027 AC GPM# 1769-89-000
- 7 ALAN D. & GAIL A. HOWARD INT# 13322947 0.027 AC TAX MAP# 1769-89-008
- 8 ALAN D. & GAIL A. HOWARD DB 205 PG 204 0.027 AC GPM# 1769-89-006
- 9 ALAN D. & GAIL A. HOWARD INT# 13022959 0.049 AC TAX MAP# 1769-89-003
- 10 MANSOUR REAL ESTATE, LLC INT# 13022263 0.049 AC GPM# 1769-89-000

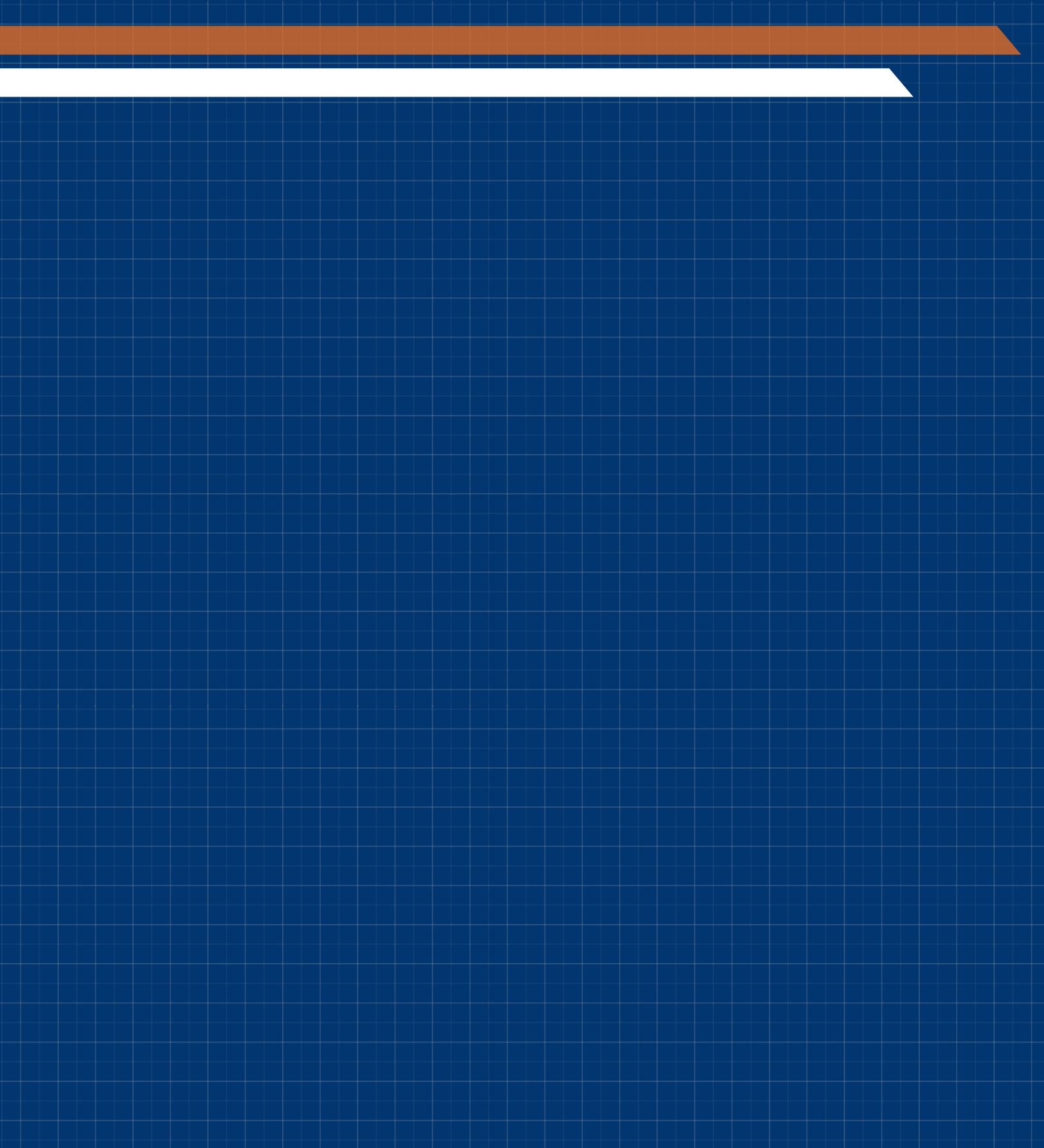
- C --- Denotes Construction Limits In Cuts
- F --- Denotes Construction Limits In Fills
- Note: Figures In parenthesis and dot-dot-dashed lines denote Temporary Easements.
- Note: Figures In brackets and dot-dashed lines denote Permanent Easements.
- Denotes Survey Obscured Areas
- [Diagonal Lines] Denotes mill and overlay existing pavement
- [Dotted Pattern] Denotes area of proposed pavement
- [Cross-hatched Pattern] Denotes area of proposed paved shoulder
- [Hatched Pattern] Denotes area of demolition of pavement

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



For Utility Owners, refer to Sheet 3.

PROJECT	SHEET NO.
0095-III-278	10



BRANCH
CIVIL



Branch Civil, Inc. | Whitman, Requardt & Associates, LLP

January 4, 2017

Price Proposal
REQUEST FOR PROPOSALS
A Design-Build Project

I-95 SAFETY IMPROVEMENTS AT ROUTE 3

FROM: 0.115 MILES SOUTH OF INT. ROUTE 3

TO: 1.220 MILES NORTH OF INT. ROUTE 3

City of Fredericksburg, Virginia

State Project No.: 0095-111-278

Federal Project No.: OC-095-2(535)

Contract ID Number: C00107715DB91



Submitted By:



Branch Civil, Inc. | Whitman, Requardt & Associates, LLP

ATTACHMENT 4.0.1.2

**DESIGN-BUILD PRICE PROPOSAL
CHECKLIST**

Addendum No. 3

Project Name: I-95 Safety Improvements at Route 3

Contract ID Number: C00107715DB91

➤ Contents of Price Proposal:

- Cost Breakdown Summary in whole numbers and the Proposal Price, in both numbers and words which is the sum (Total Price) for the Base Scope and Option 1 (Attachment 4.3.1)
 - Price Adjustment Information and Forms for Fuel and Asphalt for the Base Scope and Option 1, including identification of pay items and associated quantities eligible for adjustment (Part 3, Section 6.3, and Attachments 6.3)
 - Proposal Guaranty (C-24) required by Section 102.07 of Part 5, Division I Amendments to the Standard Specifications for the Base Scope and Option 1
 - Sworn Statement Forms (C-104, C-105, Attachments 4.3.4(a) and 4.3.4(b))
 - CD-ROM containing the entire Price Proposal in a single cohesive Adobe PDF file
-

ATTACHMENT 4.3.1

PRICE PROPOSAL FORM

4.8.1 Offeror shall specify the pricing information for the items below, the dollars amount shall be in whole numbers:

Price Proposal Cost Breakdown Summary;

A. Base Scope

Design Services, LS	\$ 1,800,000.00
Construction Services (exclude QA/QC), LS	\$ 13,547,540.00
Quality Assurance (QA) (Construction), LS	\$ 400,000.00
Quality Control (QC) (Construction), LS	\$ 600,000.00
All Other Costs, LS	\$ —
Base Scope – Subtotal	\$ 16,337,540.00

B. Option 1

Design Services, LS	\$ 75,000.00
Construction Services (exclude QA/QC), LS	\$ 1,769,460.00
Quality Assurance (QA) (Construction), LS	\$ 1,500.00
Quality Control (QC) (Construction), LS	\$ 1,500.00
All Other Costs, LS	\$ —
Option 1 – Subtotal	\$ 1,847,460.00

Total Proposal Price (Base Scope Subtotal + Option 1 Subtotal); (Specify the Total Lump Sum price in both numbers and words, this price shall **equal** to the total sum of the items listed above)

Lump Sum (LS): EIGHTEEN MILLION ONE HUNDRED EIGHTY FIVE THOUSAND DOLLARS AND ZERO CENTS (\$18,185,000.00)

Signature: [Signature] Date: 1/4/2017

Design-Builder: Branch Civil, Inc.

Vendor No.: B319

**EXHIBIT 6.3(a)
ADJUSTMENT FOR ASPHALT**

**SPECIAL PROVISION FOR
ASPHALT MATERIAL PRICE ADJUSTMENT for DESIGN-BUILD PROJECTS**

September 26, 2016

All asphalt material listed in the attached "Master Listing of Asphalt Material Items Eligible for Price Adjustment" will be adjusted in accordance with the provisions as set forth herein. Other items will not be adjusted, except as otherwise specified in the contract. Any item added through a Work Order which contains Asphalt Material 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 64S-22 f.o.b. price per ton and an average PG 64E-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 Contracts Division website on or about the first weekday of the following month. In the event the average prices were to change 10 percent or more of the Base Index during the middle of the month, the Design Builder can submit a letter to the Department and the supplier that provides evidence of the difference in price. Upon receipt of the letter consideration will be given to extend additional adjustments as deemed necessary.

This monthly statewide average price will be the Base Index for all contracts on which Price Proposals 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. Calculations must be done for each type of Asphalt Material put in place each month, whether the Current Index is higher or lower than the Base Index. The calculation for the adjustment shall be shown as follows:

$$A = Q \times \%AC \times IC$$

Where: A = Asphalt Adjustment Dollar Amount
Q = Quantity of Asphalt Material put in place during the month
%AC = % of Asphalt Cement in the Asphalt Material as specified in the Job Mix Formula
IC = Numeric Dollar Difference, either positive or negative, between the Base Index and Current Index

Example Calculation for Negative Price Adjustment (Credit back to VDOT):

7,500 Tons of SM-12.5A put in place during the month (Q), Job Mix is 6.1% Asphalt Cement for SM-12.5A (%AC), Base Index for the Contract is \$515/Ton, Current Index is \$500/Ton, Difference of - \$15.00/Ton (IC)

$$7,500 \text{ Tons SM-12.5A} \times 6.1\% \times -\$15.00/\text{Ton} = -\$6,862.50 \text{ Adjustment Amount}$$

Example Calculation for Positive Price Adjustment (Paid to the Design-Builder):

10,000 Tons of BM-25.0A put in place during the month (Q), Job Mix is 5.2% Asphalt Cement for BM-25.0A (%AC), Base Index for the Contract is \$515/Ton, Current Index is \$560/Ton, Difference of + \$45.00/Ton (IC)

$$10,000 \text{ Tons BM-25.0A} \times 5.2\% \times \$45.00/\text{Ton} = +\$23,400.00 \text{ Adjustment Amount}$$

Adjustment of any asphalt material item designated as a price adjustment item which does not contain PG 64-22, except PG 76-22 or PG 70-28, 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. Items the Design-Builder claims in its application of payment for asphalt adjustments must include supporting calculations certified by the Quality Assurance Manager (QAM). These calculations must be completed relative to the calendar month under which the work was performed and shall be submitted for either positive or negative 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.

VIRGINIA DEPARTMENT OF TRANSPORTATION
MASTER LISTING OF
ASPHALT MATERIAL ITEMS ELIGIBLE FOR PRICE ADJUSTMENT
 (10-27-09)

ITEM	DESCRIPTION	UNITS	SPECIFICATION
10062	Asphalt-Stab. Open-Graded Material	Ton	313
10416	Liquid Asphalt	Gal	311 312
10420	Blotted Seal Coat Ty. B	Sy	ATTD
10422	Blotted Seal Coat Ty. C	Sy	ATTD
10423	Blotted Seal Coat Ty. C-1	Sy	ATTD
10424	Blotted Seal Coat Ty. D	Sy	ATTD
10598	Ns Asphalt Concrete	Ton	315
10606	Asphalt Concrete Ty. SM-9.5	Ton	315
10607	Asphalt Concrete Ty. SM-12.5A	Ton	315
10608	Asphalt Concrete Ty. SM-12.5D	Ton	315
10609	Asphalt Concrete Ty. SM-12.5E (76-22)	Ton	315
10610	Asphalt Concrete Ty. IM-19.0A	Ton	315
10611	Asphalt Concrete Ty. IM-19.0D	Ton	315
10612	Asphalt Conc. Base Cr. Ty. BM-25.0	Ton	315
10613	Asphalt Concrete Ty. BM-37.5	Ton	315
10635	Asphalt Concrete Ty. SM-9.5A	Ton	315
10636	Asphalt Concrete Ty. SM-9.5D	Ton	315
10637	Asphalt Concrete Ty. SM-9.5E (76-22)	Ton	315
10639	Asphalt Concrete Ty. SM-19.0	Ton	315
10642	Asphalt Concrete Ty. BM-25.0A	Ton	315
10643	Asphalt Concrete Ty. BM-25.0D	Ton	315
10650	Stone Matrix Asphalt SMA-9.5(70-22)	Ton	317
10651	Stone Matrix Asphalt SMA-9.5(76-22)	Ton	317
10652	Stone Matrix Asphalt SMA-12.5(70-22)	Ton	317
10653	Stone Matrix Asphalt SMA-12.5(76-22)	Ton	317
10654	Stone Matrix Asphalt SMA-19.0(70-22)	Ton	317
10655	Stone Matrix Asphalt SMA-19.0(76-22)	Ton	317
10701	Liquid Asphalt Coating	Sy	ATTD
12505	Asphalt Concrete Curb Backup Material	Ton	315
13240	Asphalt Concrete Sidewalk	Ton	504
16110	Emul. Asph. Slurry Seal Type A	Sy	ATTD
16120	Emul. Asph. Slurry Seal Type B	Sy	ATTD
16130	Emul. Asph. Slurry Seal Type C	Sy	ATTD
16144	Latex Mod. Emul. Treat. Type B	Ton	ATTD
16145	Latex Mod. Emul. Treat. Type C	Ton	ATTD
16146	Latex Mod. Emul. Treat. Rutfilling	Ton	ATTD
16161	Modified Single Seal	Sy	ATTD
16162	Modified Double Seal	Sy	ATTD
16249	Nontracking Tack Coat	Gal.	ATTD

16250	Liquid Asphalt Matl. CMS-2 (Mod)	Gal	ATTD
16251	Liquid Asphalt Matl. CMS-2	Gal	ATTD
16252	Liquid Asphalt Matl. CRS-2	Gal	ATTD
16253	Liquid Asphalt Matl. CRS-2H	Gal	ATTD
16254	Liquid Asphalt Matl. RC-250	Gal	ATTD
16256	Liquid Asphalt Matl. RC-800	Gal	ATTD
16257	Ns Liquid Asphalt Matl.	Gal	ATTD
16260	Liquid Asphalt Matl. CRS-2L	Gal	ATTD
16325	NS Asphalt Concrete	Ton	N/A
16330	Asphalt Concrete Ty. SM-9.0A	Ton	315
16335	Asphalt Concrete Ty. SM-9.5A	Ton	315
16337	Asph. Conc. Ty. SM-9.5ASL (Spot Level)	Ton	315
16340	Asphalt Concrete Ty. SM-9.5D	Ton	315
16342	Asph. Conc. Ty. SM-9.5DSL (Spot Level)	Ton	315
16345	Asphalt Concrete Ty. SM-9.5E (76-22)	Ton	315
16350	Asphalt Concrete Ty. SM-12.5A	Ton	315
16352	Asph. Con. Ty. SM-12.5ASL (Spot Level)	Ton	315
16355	Asphalt Concrete Ty. SM-12.5D	Ton	315
16357	Asph. Con. Ty. SM-12.5DSL (Spot Level)	Ton	315
16360	Asphalt Concrete Ty. SM-12.5E (76-22)	Ton	315
16365	Asphalt Concrete Ty. IM-19.0A	Ton	315
16370	Asphalt Concrete Ty. IM-19.0D	Ton	315
16373	Asphalt Concrete Ty. IM-19.0A (T)	Ton	315
16374	Asphalt Concrete Ty. IM-19.0D (T)	Ton	315
16377	Asphalt Concrete Ty. BM-37.5	Ton	315
16379	Asphalt Concrete Ty. IM-19.0T	Ton	315
16390	Asphalt Concrete Ty. BM-25.0A	Ton	315
16392	Asphalt Concrete Ty. BM-25.0D	Ton	315
16395	Asphalt Concrete Ty. BM-25.0A (T)	Ton	315
16397	Asphalt Concrete Ty. BM-25.0D (T)	Ton	315
16400	Stone Matrix Asphalt SMA-9.5(70-22)	Ton	ATTD
16401	Stone Matrix Asphalt SMA-9.5(76-22)	Ton	ATTD
16402	Stone Matrix Asphalt SMA-12.5(70-22)	Ton	ATTD
16403	Stone Matrix Asphalt SMA-12.5(76-22)	Ton	ATTD
16404	Stone Matrix Asphalt SMA-19.0(70-22)	Ton	ATTD
16405	Stone Matrix Asphalt SMA-19.0(76-22)	Ton	ATTD
16490	Hot Mix Asphalt Treatment	Ton	ATTD
16500	Surf.Preparation & Restoration Type I	Ton	ATTD
16502	Surf.Preparation & Restoration Type II	Ton	ATTD
16504	Surf.Preparation & Restoration Type III	Ton	ATTD
67201	NS Asphalt Concrete Overlay	Ton	315
67210	NS Asphalt Concrete	Ton	315
68240	NS Asphalt Concrete	Ton	315

Exhibit 6.3(b)

Form C-16a
August 9, 2013

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
ASPHALT PRICE ADJUSTMENT (PG76-22 or PG 70-28)
DESIGN-BUILD PROJECTS**

INSTRUCTIONS - This form is to be completed and returned ONLY when asphalt concrete items containing PG 76-22 or PG 70-28 is being utilized on the project.

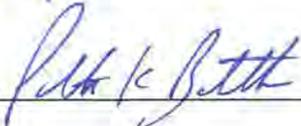
PROJECT NUMBER: 0095-111-278, P101, R201, C501

DISTRICT: Fredericksburg

Bid Prices in this contract for items containing PG 76-22 or PG 70 asphalt cement were developed using a f.o.b. price of \$ 466.43 Per **IMPERIAL** ton for **PG 76-22 or PG 70-28**. This quote is project specific.

Price quotes signed by each supplier from which the Design-Builder proposes to obtain PG 76-22 or PG 70-28 shall be maintained by the Design-Builder. These quotes shall be retained on site during the life of the Contract for review by the Engineer upon request.

DATE: 1/4/2017

SIGNATURE: 

Branch Civil, Inc.
(Firm or Corporation)

B319
(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 within the Schedule of Values 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 Schedule of Values 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: 1/4/2017

Signature: [Handwritten Signature]

Design-Builder: Branch Civil, Inc.

Vendor No.: B319

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
PROPOSAL GUARANTY

KNOW ALL MEN BY THESE PRESENTS, THAT WE Branch Civil, Inc. As principal, and Hartford Fire Insurance Company 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 January, 20 17

WHEREAS, the above said principal is herewith submitting its proposal for:

PROJECT NUMBER: A DESIGN-BUILD PROJECT I-95 SAFETY IMPROVEMENTS AT ROUTE 3
State Project No.: 0095-111-278
Federal Project No.: OC-095-2(535)
Contract ID Number: C00107715DB91

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.

Branch Civil, Inc.
(Principal*)
By: Patrick K. Bartorillo
(Officer, Partner or Owner) (Seal)
Patrick K. Bartorillo, President
(Principal*)

Hartford Fire Insurance Company
(Surety Company)
By: Theresa S. Stump
(Attorney-in-Fact**) (Seal)
Theresa S. Stump, Attorney-in-Fact
One Hartford Plaza, Hartford, CT 06155
(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

POWER OF ATTORNEY

Direct Inquiries/Claims to:

THE HARTFORD
BOND, T-12
One Hartford Plaza
Hartford, Connecticut 06155
Bond.Claims@thehartford.com

call: 888-266-3488 or fax: 860-757-5835

KNOW ALL PERSONS BY THESE PRESENTS THAT:

Agency Code: 14-730214 (MC), 14-730836, 14-731912
Agency Name: JAMES A SCOTT & SON INC

- Hartford Fire Insurance Company, a corporation duly organized under the laws of the State of Connecticut
- Hartford Casualty Insurance Company, a corporation duly organized under the laws of the State of Indiana
- Hartford Accident and Indemnity Company, a corporation duly organized under the laws of the State of Connecticut
- Hartford Underwriters Insurance Company, a corporation duly organized under the laws of the State of Connecticut
- Twin City Fire Insurance Company, a corporation duly organized under the laws of the State of Indiana
- Hartford Insurance Company of Illinois, a corporation duly organized under the laws of the State of Illinois
- Hartford Insurance Company of the Midwest, a corporation duly organized under the laws of the State of Indiana
- Hartford Insurance Company of the Southeast, a corporation duly organized under the laws of the State of Florida

having their home office in Hartford, Connecticut, (hereinafter collectively referred to as the "Companies") do hereby make, constitute and appoint, **up to the amount of unlimited:**

*Christi Horn, Lisa M. Battista, B. Jones III of Franklin TN; Stephen B. Dolin, Joanna M. Carson, Barbara Dawn Martin, Melissa L. Viar of Lynchburg VA;
Stacey W. Hall, Nancy L. Adams, James J. Roberts, III, Stacey Boyle of Richmond VA; Robert M. Coon of Greensboro NC;
Windy Lovelady of Raleigh NC; Tambri Doby of Charlotte NC; Sherrie B. Denison, Bethany Murphy, Deanna W. Sparks, Theresa S. Stump
of Roanoke, VA*

their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign its name as surety(ies) only as delineated above by , and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

In Witness Whereof, and as authorized by a Resolution of the Board of Directors of the Companies on May 6, 2015 the Companies have caused these presents to be signed by its Senior Vice President and its corporate seals to be hereto affixed, duly attested by its Assistant Secretary. Further, pursuant to Resolution of the Board of Directors of the Companies, the Companies hereby unambiguously affirm that they are and will be bound by any mechanically applied signatures applied to this Power of Attorney.



John Gray, Assistant Secretary

M. Ross Fisher, Senior Vice President

STATE OF CONNECTICUT }
 } ss. Hartford
COUNTY OF HARTFORD }

On this 11th day of January, 2016, before me personally came M. Ross Fisher, to me known, who being by me duly sworn, did depose and say: that he resides in the County of Hartford, State of Connecticut; that he is the Senior Vice President of the Companies, the corporations described in and which executed the above instrument; that he knows the seals of the said corporations; that the seals affixed to the said instrument are such corporate seals; that they were so affixed by authority of the Boards of Directors of said corporations and that he signed his name thereto by like authority.



CERTIFICATE

Kathleen T. Maynard
Kathleen T. Maynard
Notary Public
My Commission Expires July 31, 2021

I, the undersigned, Assistant Vice President of the Companies, DO HEREBY CERTIFY that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is still in full force effective as of **January 4, 2017**
Signed and sealed at the City of Hartford.



Kevin Heckman, Assistant Vice President

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION**

PROJECT: 0095-111-278, P101, R201, C501

FHWA: OC-095-2(535)

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 Roanoke City, VIRGINIA, this 20th day of December, 20 16
County (City), STATE
Branch Civil, Inc. By: *Patrick K. Bartorillo* President
(Name of Firm) (Signature) Title (print)
STATE of VIRGINIA COUNTY (CITY) of CITY OF ROANOKE

To-wit:

I Pamela Simmons, a Notary Public in and for the State and County(City) aforesaid, hereby certify that this day Patrick K. Bartorillo, President

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 20th day of December, 20 16
Pamela Simmons My Commission expires 8/31/2020
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)

PAMELA SIMMONS
NOTARY PUBLIC
Commonwealth of Virginia
Reg. #341872
My Commission Expires Aug. 31, 2020

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
AFFIDAVIT**

PROJECT: 0095-111-278, P101, R201, C501

FHWA: OC-095-2(535)

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
VTCA	Richmond, VA
HCCA	Manassas, VA
Carolinas AGC (CAGC)	Charlotte, NC

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.:

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 Roanoke City, VIRGINIA, this 20th day of December, 20 16
County (City), STATE
Branch Civil, Inc. By: *Patrick K. Bartorillo* President
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Notary Public

PAMELA SIMMONS
NOTARY PUBLIC
Commonwealth of Virginia
Reg. #341872
My Commission Expires Aug. 31, 2020



Branch Civil, Inc. | Whitman, Requardt & Associates, LLP