Submitted to:

VDOT Virginia Department of Transportation

Original
Volume 1

Design-Build

Military Highway Continuous Flow Intersection

From: 0.023 Miles South of Lowery Rd.
To: 0.230 Miles North of Interstate 64

Norfolk, Virginia

State Project No.: 0013-122-V03, 0165-122-V04, 0165-122-181
Federal Project No.: STP-5A03 (755)
Contract ID Number: C00001765DB81

Letter of Submittal & Attachments

Prepared by:

CORMAN CONSTRUCTION | evwilliams SITE DEVELOPMENT & HIGHWAY CONSTRUCTION
A Joint Venture

In Association with
PARSONS

July 27, 2015

4.1 Letter of Submittal

CORMAN CONSTRUCTION | ev.williams SITE DEVELOPMENT & HIGHWAY CONSTRUCTION
A Joint Venture

CORMAN CONSTRUCTION | evwilliams
A Joint Venture

925 S. Military Highway
Virginia Beach, VA 23464

July 27, 2015

Mr. Bryan W. Stevenson, PE
Alternate Project Delivery Office
Virginia Department of Transportation
1401 East Broad Street
Richmond, VA 23219

RE: Letter of Submittal: Design Build Military Highway Continuous Flow Intersection State Project No.: 0013-122-V03, 0165-122-V04, 0165-122-181 | Federal Project No.: STP-5A03 (755) | Contract ID Number: C00001765DB81

Dear Mr. Stevenson:

4.1.1 Corman-E.V. Williams, a Joint Venture (Corman-EVW JV), 925 S. Military Highway, Virginia Beach, VA 23464 is the legal entity who will execute the contract with VDOT and submits the following:

- One original Letter of Submittal and Attachments
- One CD-ROM containing the entire proposal in a single cohesive Adobe PDF file

4.1.2 The Corman-EVW JV declares that if selected, we will enter into a contract with VDOT for this project per the RFP.

4.1.3 Pursuant to Part 1, Sec. 8.2, the Corman-EVW JV declares that the offer represented by our Proposal will remain in full force and effect for 120 days after the date the Letter of Submittal and Attachments are actually submitted to VDOT (July 27, 2015).

4.1.4 Point of Contact	4.1.5 Principal Officer of Legal Entity
Jo Ellen Sines, DBIA, Vice President Project Development Corman Construction, Inc. 12001 Guilford Road Annapolis Junction, MD 20701 410-792-9400 Telephone | 301-953-0384 Fax jsines@cormanconstruction.com	**Arthur C. Cox, III, Vice President** Corman Construction, Inc. 12001 Guilford Road Annapolis Junction, MD 20701 410-792-9400 Telephone | ccox@cormanconstruction.com

4.1.6 Final Completion Date: May 1, 2018.

4.1.7 An executed **Proposal Payment Agreement (Attachment 9.3.1)** is in the Appendix.

4.1.8 **Certification Regarding Debarment Forms (Attachments 11.8.6(a)** and **11.8.7(b))** are in the Appendix.

4.1.9 The Corman-EVW JV is committed to achieving a 12% DBE participation goal for the entire value of the contract.

CORMAN CONSTRUCTION | evwilliams
A Joint Venture

925 S. Military Highway
Virginia Beach, VA 23464

We present to you a design-build team equipped with the experience, knowledge, and resources to partner with the Virginia Department of Transportation in successfully delivering the Military Highway Continuous Flow Intersection Design-Build project.

Sincerely,

CORMAN CONSTRUCTION, INC.

Arthur C. Cox, III, Vice President

E.V. WILLIAMS, INC.

James A. Openshaw, III, President

4.2 Attachments to Letter of Submittal

4.2 ATTACHMENTS TO THE LETTER OF SUBMITTAL

4.2.1 Organizational Chart and Key Personnel

The Corman-EV JV Team confirms that the Key Personnel contained in our SOQ remains true and accurate.

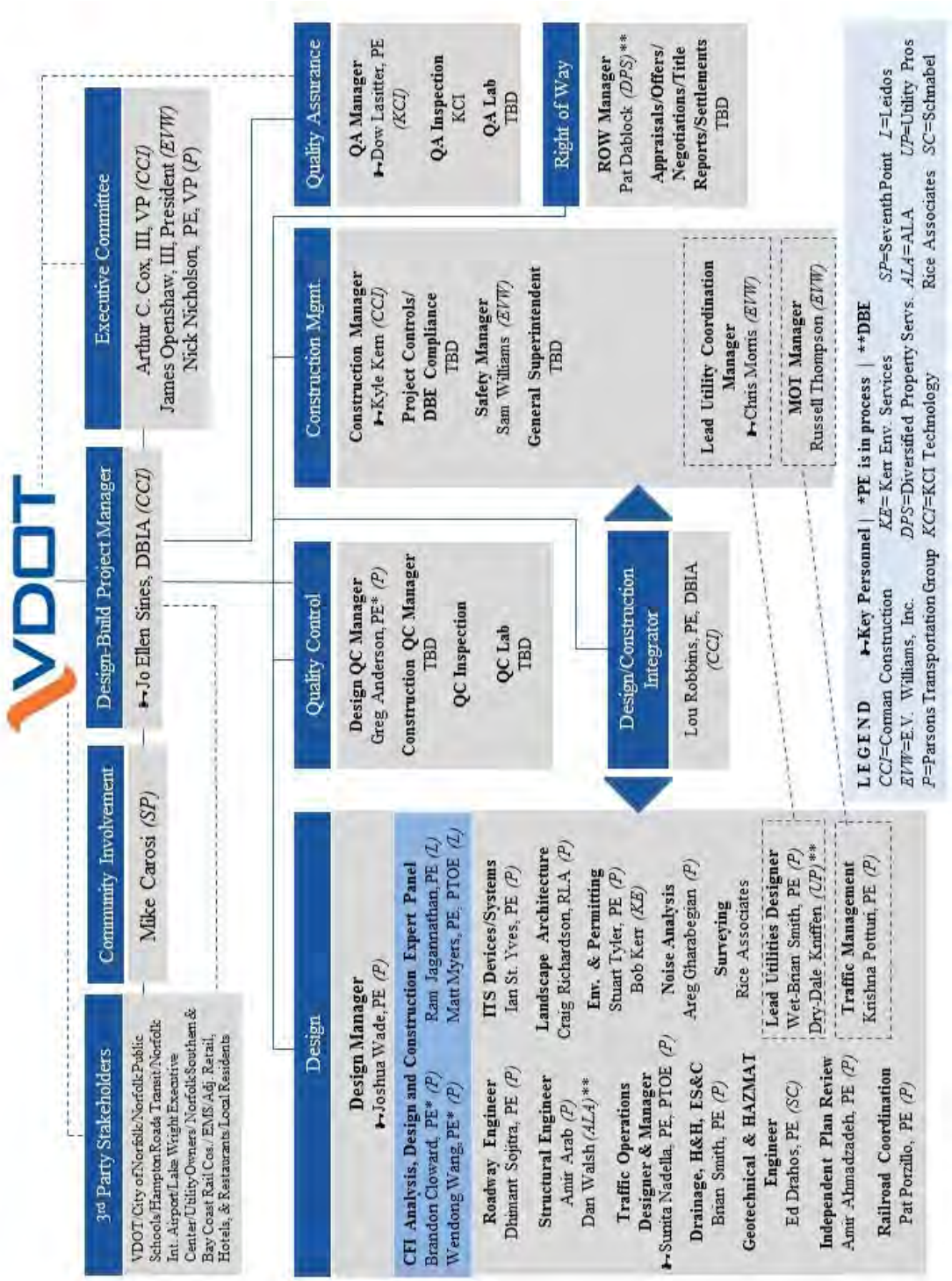


Figure 1: Organizational Chart

4.2.2 Conceptual Roadway Plans

SEE VOLUME 2 OF OUR LETTER OF SUBMITTAL & ATTACHMENTS, PAGES 4-44

4.2.3 Proposal Schedule

4.2.3.1 Proposal Schedule

SEE VOLUME 2 OF OUR LETTER OF SUBMITTAL & ATTACHMENTS, PAGES 45-49

4.2.3.2 Proposal Schedule Narrative

The Corman/EVW DB Team has evaluated the RFP documents, visited the site, attended pre-proposal and utility meetings, participated in proprietary meeting discussions, and conducted working sessions among our construction and design teams. Through this progression, we developed a simplified solution to deliver the project through our sequencing plan. Our narrative explains how we plan to deliver a positive experience to VDOT and the stakeholders. The project completion date is as shown in the RFP of May 1, 2018.

Project Milestones

Notice of Intent to Award	**August 18, 2015**
CTB Approval/Notice to Award	**September 16, 2015**
Notice to Proceed	**October 13, 2015**
Advance Package RFC	**April, 2016**
Full Roadway Released for Construction	**August 2016**
Early Completion/"No Excuse Incentive"	**March 16, 2018**
Final Project Completion:	**May 1, 2018**

Work Breakdown Structure

The baseline schedule integrates design and construction into a Work Breakdown Structure (WBS) as shown below:

Level 1: Schedule Milestones – Overall schedule review of progress.

Level 2: Scope Validation Period – Includes verification of utilities, geotechnical investigations, conceptual pavement designs, and spot checking the survey and base maps.

Level 3: Environmental Permitting - Includes the SWM/ES and VSMP application.

Level 4: Design – Includes Roadway/Structure Plan 30% Design, Roadway/Structure Plan 60%, Noise Analysis & Noise Abatement Report, Geotechnical Analysis & Geotechnical Report, Right of Way Package #1 (Permanent Takes), Design Package #1 (Box Culvert), Design Package #2 (Roadway, Utilities, Drainage, SWM, E&S and MOT), Right of Way Package #2 (Easements), Design Package #3 (Noise Walls, Signals, ITS and Lighting), Design Package #4 (Landscaping and Incidentals) and Design Support During Construction/As-Built Drawings.

Level 5: Utility Relocations – Includes activities for the UFI meetings, finalizing UT-9 Forms, preparation of the preliminary engineering estimates, utility relocation design by the our team and utility owners, approval of P & E estimates, utility design approvals, and utility relocations.

Level 6: Right of Way – Includes requirements for right of way procurement including, titles, appraisals reviews, approvals, negotiations and settlements.

Level 7: Construction – Includes all components of roadway and box culvert construction, as well as erosion & sediment controls, stormwater management, and construction, signals, ditches/drainage, lighting, and roadside improvements. Public Relations are included in the general section of this phase.

Level 8: Closeout.

WORK BREAKDOWN STRUCTURE

Phase 01	**Schedule Milestones**
Phase 02	**Scope Validation Period**
Phase 03	**Environmental Permitting**
Phase 04	**Design** 4.1 Roadway and Structure Plan 30% Design 4.2 Roadway and Structure Plan 60% Design 4.3 Noise Analysis & Noise Abatement Report 4.4 Geotechnical Analysis & Geotechnical Report 4.5 Right of Way Package #1 (Permanent Takes) 4.6 Design Package #1 (Box Culvert) 4.7 Design Package #2 (Roadway, Utilities, Drainage, SWM, E&S, and MOT 4.8 Right of Way Package #2 (Easements) 4.9 Design Package #3 (Noise Walls, Signals, Signs, ITS, and Lighting) 4.10 Design Package #4 (Landscaping and Incidentals) 4.11 Design Support During Construction / As-Built Drawings
Phase 05	**Utility Relocations** 5.1 Dominion VA Power

	5.2 City of Norfolk Water and Sewer 5.3 Virginia Natural Gas 5.4 Cox Communications 5.5 Verizon
Phase 06	**Right of Way Acquisition**
Phase 07	**Construction** 7.1 Public Involvement 7.2 Pre-Construction Submittals 7.3. Box Culvert Construction 7.3.3.1 Step "1" Temp Extension of Existing Box 7.3.3.2 Step "2" Install West Box Culvert 7.3.3.3 Step "3" Install East Box Culvert 7.4 Segment "1" Station 94+00 to 154+00 (Norfolk Southern RR) 7.4.1 Pre-Phase, Median & Widening's 7.4.2 Step 1, Southbound Military Hwy 7.4.4 Step "1A" Princess Anne East 7.4.5 Step "1B" Princess Anne Median 7.4.6 Step "1C" Princess Anne West 7.4.7 Step "2" Military Hwy Median 7.4.8 Step "3" Northbound Military Hwy 7.4.8 Step "3A" Northampton West 7.4.9 Step "3B" Northampton Median 7.4.10 Step "3C" Northampton East 7.5 Segment "2" 154+00(RR) to 178+00 7.5.1 Step "1" Northbound Widening 7.5.2 Step "2" Military Hwy Median

	7.5.3 Step "3" Southbound Military Hwy 7.6 Section "3" Robin Hood Road 7.6.1 Eastbound Robin Hood Road 7.6.2 Westbound Robin Hood Road
Phase 8	**Close Out**

Calendars

Three project calendars were used in the schedule and include:

"5-Day Workweek with Basic Holidays" – Based on five working days per week and is used for activities and includes holiday restrictions not impacted by the weather.

"Asphalt Paving" – Based on a non-work period from December 22 through February 28 for weather dependent activities, such as asphalt paving.

"Calendar Days" – Based on seven days per week and is used for design, permitting, and review periods.

Design Phase

The design phase includes preparation, QA/QC reviews, and submissions of roadway and box culvert designs and "Ready for Construction (RFC)" design stages of the box culvert and roadway design process. Included are 21-day review activities for VDOT review periods. Included to support the plan preparation is survey coordination and mapping, geotechnical investigations, and utility designations. Activities are included for geotechnical investigations, reports and a period for VDOT's review of the geotechnical report prior to submitting the final advanced package. The design phase will begin immediately upon Notice of Intent to Award to begin work on the 30% design plans which will be submitted for review at NTP in October, 2015. It is expected to have "60%" plans ready for review in January 2016. Included are reviews from VDOT and Agencies.

Environmental Permitting

Activities have been incorporated for the full project-wide concept SWM/ES Plan, VSMP Permit, Confirm Jurisdictional Determinations, and Threatened and Endangered Species. Getting these applications in early and accurately will be imperative to keep permits from delaying the project.

Right of Way Acquisition

At the conclusion of approved ROW plans, it is anticipated to receive the Notice to Commence Right of Way Acquisition.

Utility Relocations

Utility relocations will be needed to complete prior to any box culvert construction. The utility relocations that are not in conflict with proposed utilities or new construction activities do not impact the start of the construction, but could delay completion of the project if not completed timely.

Construction

The construction schedule has been set up to reflect the individual projects as noted within the preliminary conceptual designs and allocations for utility relocation. Construction is anticipated to be performed in phases

by area: Although each area shown must follow its phasing plan, work is independent for each area and can begin simultaneous, if desired. Box culvert construction will commence with the RFC of the Advance Package.

Noise Walls remaining utility relocations and Roadside Development; and final Phase 04 includes Removal of Temporary MOT Installations, Milling and Overlay and Final Roadside Development.

Close Out

Close out will include preparation and completion of punch list and compiling / review of required QC and QA documents.

Plan to Execute the Work

In general, we plan to complete the box culvert and wick drain advanced package design prior to commencing other roadway construction with completion of the project on or before the Final Completion Date of **May 1, 2018.**

For this project we have made the following key assumptions:

- **ROW Requirements:** Will not prohibit start of the box culvert work.
- **Box Culvert:** Work can begin on the box culvert temporary culvert extension and wick drain installation with approval of the Advance Design Package.
- **New Utility Easements & Relocations:** Will be expeditious, not impact permitting requirements and not impact critical schedule activities.
- **Final Job Completion:** Work will be completed by **May 1, 2018**.

Schedule Overview

Notice of Intent to Award:	**August 18, 2015**
Design Activities:	**August 2015 through November 2016**
Construction:	**August 2016 through May 1, 2018**
Final Completion:	**May 1, 2018**

Construction

Construction is anticipated to be performed in major segments shown below:

- Box Culvert Station 122+00 to 128+00
- Segment “1” Station 94+00 to 154+00 (Norfolk Southern RR)
- Segment “2” Station 154+00 to 178+00
- Segment “3” Station Robin Hood Road

Construction is scheduled to take place with multiple crews with much of the work in each phase being constructed simultaneously. Weekly scheduling and supervisory meetings with the Construction Manager, Project Engineer, Construction QC Manager, QAM, superintendents, foreman, and engineers will establish the three-week schedules. These schedules include detailed QC inspection and testing needs. Subcontractors will be involved in weekly scheduling meetings.

Critical Path

The critical path flows through 30% and 60% Design, Environmental Permitting to installation of wick drains and construction of the new box culvert.

Appendix

ATTACHMENT 4.0.1.1

Military Highway Continuous Flow Intersection

LETTER OF SUBMITTAL AND ATTACHMENTS CHECKLIST

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

Technical Proposal Component	Form (if any)	RFP Part 1 Cross Reference	Page Reference
Letter of Submittal and Attachments Checklist	Attachment 4.0.1.1	Section 4.0.1.1	Vol.1, 55
Acknowledgement of RFP, Revisions, and/or Addenda	Attachment 3.6 (Form C-78-RFP)	Sections 3.6, 4.0.1.1	Vol.1, 57
Letter of Submittal	NA	Sections 4.1	
Letter of Submittal on Offeror's letterhead	NA	Section 4.1.1	Vol.1, 1
Offeror's official representative information	NA	Section 4.1.1	Vol.1, 1
Authorized representative's original signature	NA	Section 4.1.1	Vol.1, 2
Declaration of intent	NA	Section 4.1.2	Vol.1, 1
120 day declaration	NA	Section 4.1.3	Vol.1, 1
Principal Officer information	NA	Section 4.1.5	Vol.1, 1
Final Completion Date	NA	Section 4.1.6	Vol.1, 1
Proposal Payment Agreement or Waiver of Proposal Payment	Attachment 9.3.1 or 9.3.2	Section 4.1.7	Vol.1, 58
Certification Regarding Debarment Forms	Attachment 11.8.6(a) Attachment 11.8.6(b)	Section 4.1.8	Vol.1, 62
Offeror's Qualifications	NA	Section 4.2	
Confirmation that the information provided in the SOQ submittal remains true and accurate or indicates that any requested changes were previously approved by VDOT	NA	Section 4.2.1	Vol.1, 3

ATTACHMENT 4.0.1.1

Military Highway Continuous Flow Intersection

LETTER OF SUBMITTAL AND ATTACHMENTS CHECKLIST

Technical Proposal Component	Form (if any)	RFP Part 1 Cross Reference	Page Reference
Organizational chart with any updates since the SOQ submittal clearly identified	NA	Section 4.2.1	Vol.1,3
Revised narrative when organizational chart includes updates since the SOQ submittal	NA	Section 4.2.1	N/A
Conceptual Roadway Plans-Plan View	NA	Section 4.2.2	Vol.2, 4-44
Conceptual Roadway Plans-Typical Sections	NA	Section 4.2.2	Vol.2, 4-44
Disadvantaged Business Enterprises (DBE)	NA	Section 4.1.9	
Written statement of percent DBE participation	NA	Section 4.1.9	Vol.1, 1
Proposal Schedule	NA	Section 4.2.3	
Proposal Schedule	NA	Section 4.2.3	Vol.2, 45-49
Proposal Schedule Narrative	NA	Section 4.2.3	Vol.1, 50
Proposal Schedule in electronic format (CD-ROM)	NA	Section 4.2.3	CD-ROM

ATTACHMENT 3.6

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

RFP NO. C00001765DB81

PROJECT NO.: 0165-122-V04

ACKNOWLEDGEMENT OF RFP, REVISION AND/OR ADDENDA

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

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

1. Cover letter of April 17, 2015 – RFP (Date)
2. Cover letter of July 2, 2015- Addendum #1 (Date)
3. Cover letter of July 13, 2015- Addendum #2 (Date)
4. Cover letter of July 22, 2015- Addendum #3 (Date)

July 23, 2015 -RFP Info Package Addendum #1-Additional Information

SIGNATURE

7.27.15

DATE

Arthur C. Cox, III

PRINTED NAME

Vice President

TITLE

ATTACHMENT 9.3.1
PROPOSAL PAYMENT AGREEMENT

THIS PROPOSAL PAYMENT AGREEMENT (this "Agreement") is made and entered into as of this 27th day of July, 2015 by and between the Virginia Department of Transportation ("VDOT"), and Corman-E.V. Williams, a Joint Venture ("Offeror").

WITNESSETH:

WHEREAS, Offeror is one of the entities who submitted Statements of Qualifications ("SOQs") pursuant to VDOT's December 12, 2014 Request for Qualifications ("RFQ") and was invited to submit proposals in response to a Request for Proposals ("RFP") for the Military Highway Continuous Flow Intersection Project Numbers 0013-122-V03, 0165-122-V04, 0165-122-181 ("Project"), under a design-build contract with VDOT ("Design-Build Contract"); and

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

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

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

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

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

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

3. Proposal Payment. VDOT agrees to pay Offeror the lump sum amount of **Twenty Five Thousand and 00/100 Dollars ($25,000.00)** ("Proposal Payment"), which payment constitutes payment in full to Offeror for the conveyance of Offeror's Intellectual Property to VDOT in accordance with this Agreement. Payment of the Proposal Payment is conditioned upon: (a) Offeror's Proposal being, in the sole discretion of VDOT, responsive to the RFP; (b) Offeror complying with all other terms and conditions of this Agreement; and (c) either (i) Offeror is not awarded the Design-Build Contract, or (ii) VDOT cancels the procurement or decides not to award the Design-Build Contract to any Offeror.

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

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

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

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

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

9. Miscellaneous.

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

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

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

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

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

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

VIRGINIA DEPARTMENT OF TRANSPORTATION

By: _____

Name: _____

Title: _____

[Insert Offeror's Name]
Corman-E.V. Williams, a Joint Venture
By: _____

Name: Arthur C. Cox, III

Title: Vice President,
Corman Construction, Inc.

ATTACHMENT 11.8.6(a)
CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS

Project No.: 0013-122-V03, 0165-122-V04, 0165-122-181

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.

	6.26.15	Vice President
Signature	Date	Title

Corman Construction, Inc.

Name of Firm

ATTACHMENT 11.8.6(a)
CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS

Project No.: 0013-122-V03, 0165-122-V04, 0165-122-181

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

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

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

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

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

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

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

Signature 5/11/15 Date PRESIDENT Title

S.V. Williams Inc.
Name of Firm

ATTACHMENT 11.8.6(a)
CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS

Project No.: 0013-122-V03, 0165-122-V04, 0165-122-181

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.

	6.26.15	Vice President for Corman
Signature	Date	Title Construction, Inc.

Corman-E.V. Williams, a Joint Venture

Name of Firm

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

Project No.: 0013-122-V03, 0165-122-V04, 0165-122-181

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.

Stephen Wattur June 12, 2015 Vice President

Signature Date Title

Parsons Transportation Group

Name of Firm

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

Project No.: 0013-122-V03, 0165-122-V04, 0165-122-181

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	Title
[signature]	5-18-15	President

Kerr Environmental Services
Name of Firm

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

Project No.: 0013-122-V03, 0165-122-V04, 0165-122-181

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.

	5/12/15	Treasurer
Signature	Date	Title

Diversified Property Services, Inc.
Name of Firm

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

Project No.: 0013-122-V03, 0165-122-V04, 0165-122-181

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.

	5/14/2015	Joel S. Keels, CCM Vice President
Signature	Date	Title

KCI Technologies, Inc.

Name of Firm

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

Project No.: 0013-122-V03, 0165-122-V04, 0165-122-181

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.

	6.8.15	VP of Public Affairs
Signature	Date	Title

Seventh Point Transportation PR

Name of Firm

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

Project No.: 0013-122-V03, 0165-122-V04, 0165-122-181

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.

	6/26/15	President
Signature	Date	Title

Athavale, Lystad & Associates, Inc.
Name of Firm

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

Project No.: 0013-122-V03, 0165-122-V04, 0165-122-181

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.

	May 12, 2015	President
Signature	Date	Title

Rice Associates, Inc.

Name of Firm

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

Project No.: 0013-122-V03, 0165-122-V04, 0165-122-181

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.

Elizabeth Hem 6/22/15 Contracts Prep
Signature Date Title

Leidos, Inc.
Name of Firm

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

Project No.: 0013-122-V03, 0165-122-V04, 0165-122-181

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.

Carya A. Howe 5/13/15 President
Signature Date Title

Utility Professional Services, Inc.
Name of Firm

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

Project No.: 0013-122-V03, 0165-122-V04, 0165-122-181

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.

Edward C. Drahos 5/12/15 SENIOR VICE PRESIDENT
Signature Date Title

SCHNABEL ENGINEERING CONSULTANTS, INC.
Name of Firm

Submitted to:

Virginia Department of Transportation

Original
Volume 2

Design-Build

Military Highway Continuous Flow Intersection

From: 0.023 Miles South of Lowery Rd.
To: 0.230 Miles North of Interstate 64

Norfolk, Virginia

State Project No.: 0165-122-V03, 0165-122-V04, 0165-122-181
Federal Project No.: STP-5A03 (755)
Contract ID Number: C00001765DB81

Letter of Submittal & Attachments

Prepared by:

CORMAN CONSTRUCTION | evwilliams SITE DEVELOPMENT & HIGHWAY CONSTRUCTION
A Joint Venture

In Association with
PARSONS

July 27, 2015

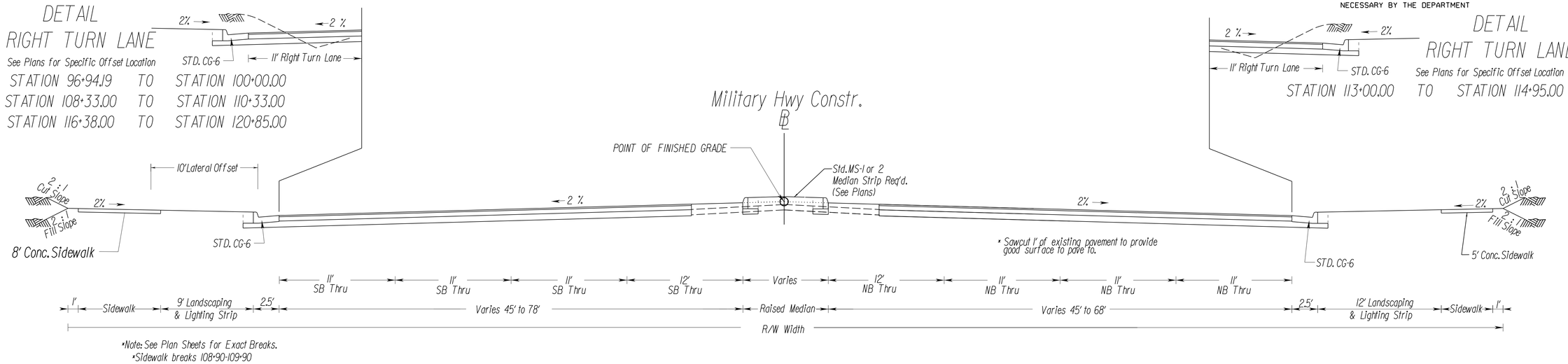
PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
5/8/15	VA.	13	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	2A

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

PRELIMINARY TYPICAL SECTION
MILITARY HIGHWAY MAINLINE

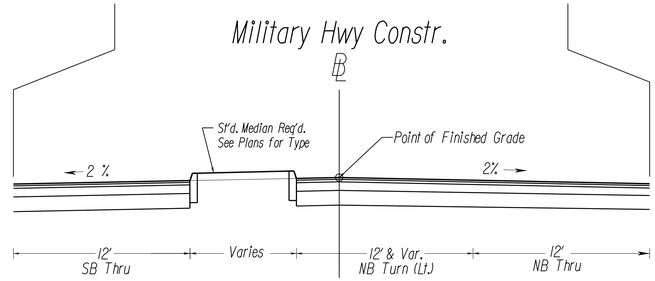
DETAIL
RIGHT TURN LANE
See Plans for Specific Offset Location
STATION 96+94.19 TO STATION 100+00.00
STATION 108+33.00 TO STATION 110+33.00
STATION 116+38.00 TO STATION 120+85.00



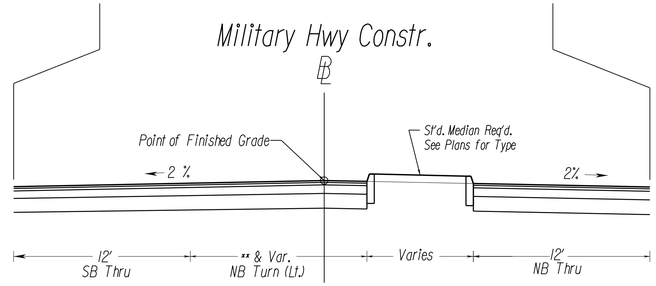
DETAIL
RIGHT TURN LANE
See Plans for Specific Offset Location
STATION 113+00.00 TO STATION 114+95.00

*Note: See Plan Sheets for Exact Breaks.
*Sidewalk breaks 108+90-109+90

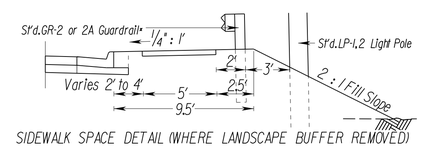
STATION 96+94.19 TO STATION 122+35.40



See Plans for Specific Offset Location
STATION 104+00.00 TO STATION 106+70.00
STATION 112+65.00 TO STATION 115+04.00



See Plans for Specific Offset Location
STATION 96+94.19 TO STATION 100+00.00 (xx = 24')
STATION 108+07.00 TO STATION 110+55.00 (xx = 12')
STATION 116+38.00 TO STATION 110+55.00 (xx = 12')



SIDEWALK SPACE DETAIL (WHERE LANDSCAPE BUFFER REMOVED)

* Where Guardrail not required, the 2.5' strip behind the sidewalk is to be reserved for Lighting conduit and poles.

For Areas where the Sidewalk Space was reduced to remove Landscape/Lighting Strip, see Plan Sheets 12, 13, 14, and 15. For Details Of Sidewalk Space See Detail Shown Above.

FLEXIBLE PAVEMENT SECTION :

Surface - 2.0" Asphalt Concrete, Type SM-9.5E at 220 lbs/sy

Intermediate - 2.0" Asphalt Concrete, Type IM-19.0D

Base - 5.0" Asphalt Concrete Base Course, Type BM-25.0A

Stabilized Open Graded Drainage Layer - 2.0" OGDL tied to a UD-4 per VDOT Standard 108.07

Subbase - 6.0" Cement Stabilized Aggregate Base Material, Type I, Size 21-A (4% Cement By Weight)

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

NOT TO SCALE	PROJECT	SHEET NO.
	0013-122-V03	2A

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
5/8/15	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	2A(1)

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

PRELIMINARY TYPICAL SECTIONS
MILITARY HIGHWAY MAINLINE

FLEXIBLE PAVEMENT SECTION :

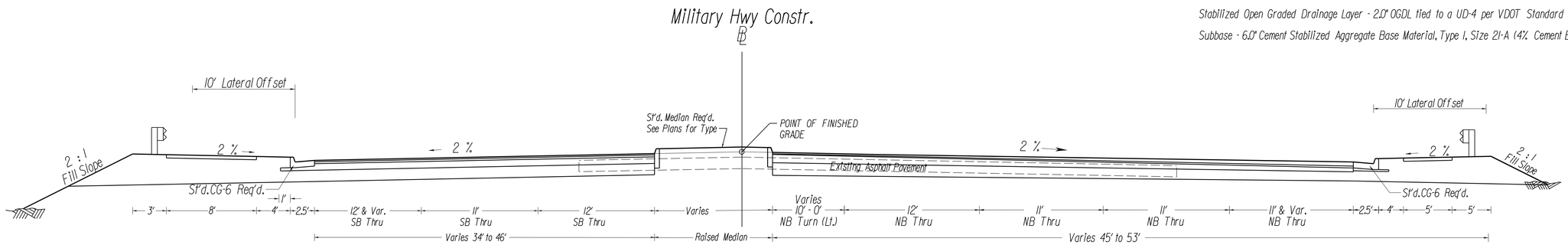
Surface - 2.0" Asphalt Concrete, Type SM-9.5E at 220 lbs/sy

Intermediate - 2.0" Asphalt Concrete, Type IM-19.0D

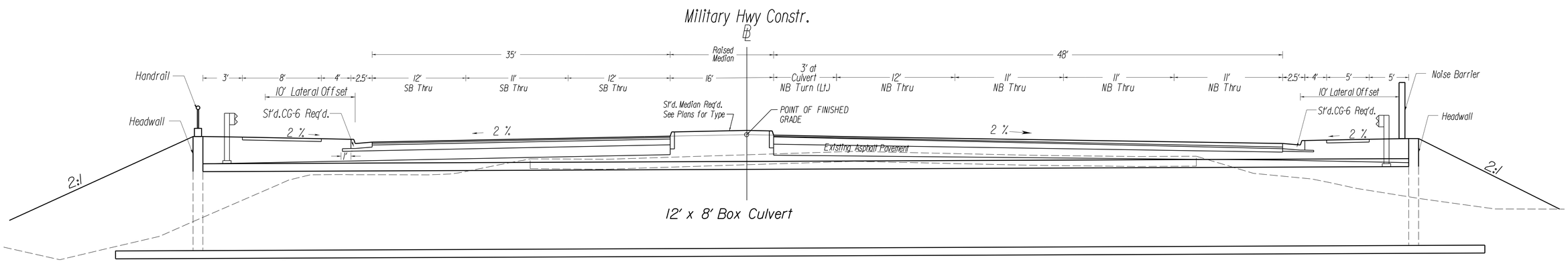
Base - 5.0" Asphalt Concrete Base Course, Type BM-25.0A

Stabilized Open Graded Drainage Layer - 2.0" OGDL tied to a UD-4 per VDOT Standard 108.07

Subbase - 6.0" Cement Stabilized Aggregate Base Material, Type I, Size 21-A (4% Cement By Weight)



STATION 122+35.40 TO 125+22 AND STATION 125+48 TO 126+00.00



STATION 125+22 TO STATION 125+48

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

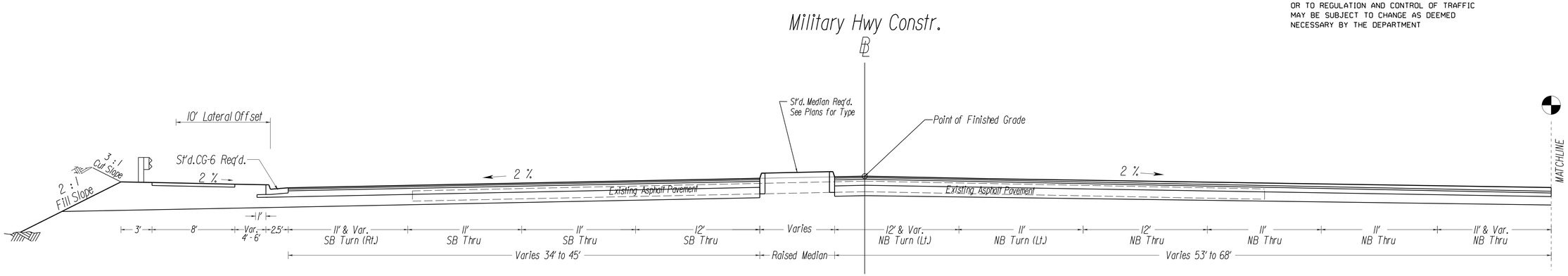
NOT TO SCALE	PROJECT	SHEET NO.
	0165-122-V04	2A(1)

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads).
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

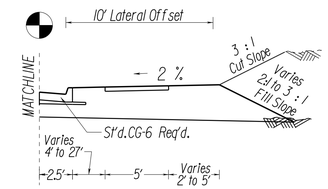
PRELIMINARY TYPICAL SECTIONS
MILITARY HIGHWAY MAINLINE

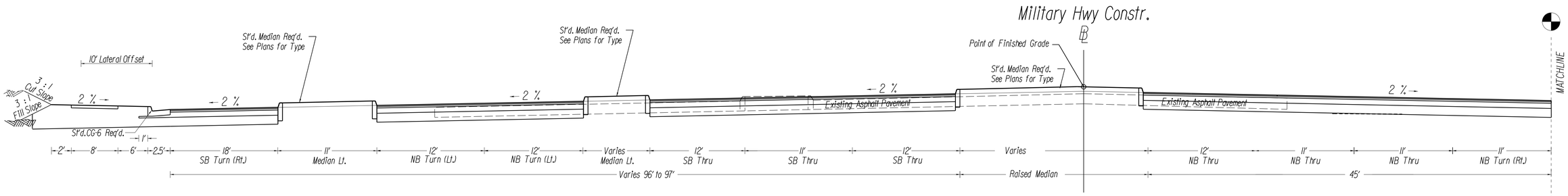
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
5/8/15	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	2A(2)

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

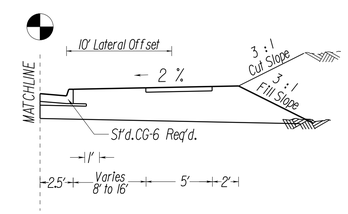


STATION 126+00.00 TO STATION 131+07.00





STATION 131+07.00 TO STATION 138+00.00



FLEXIBLE PAVEMENT SECTION :

Surface - 2.0" Asphalt Concrete, Type SM-9.5E at 220 lbs/sy

Intermediate - 2.0" Asphalt Concrete, Type IM-19.0D

Base - 5.0" Asphalt Concrete Base Course, Type BM-25.0A

Stabilized Open Graded Drainage Layer - 2.0" OGDL tied to a UD-4 per VDOT Standard 108.07

Subbase - 6.0" Cement Stabilized Aggregate Base Material, Type I, Size 21-A (4% Cement By Weight)

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

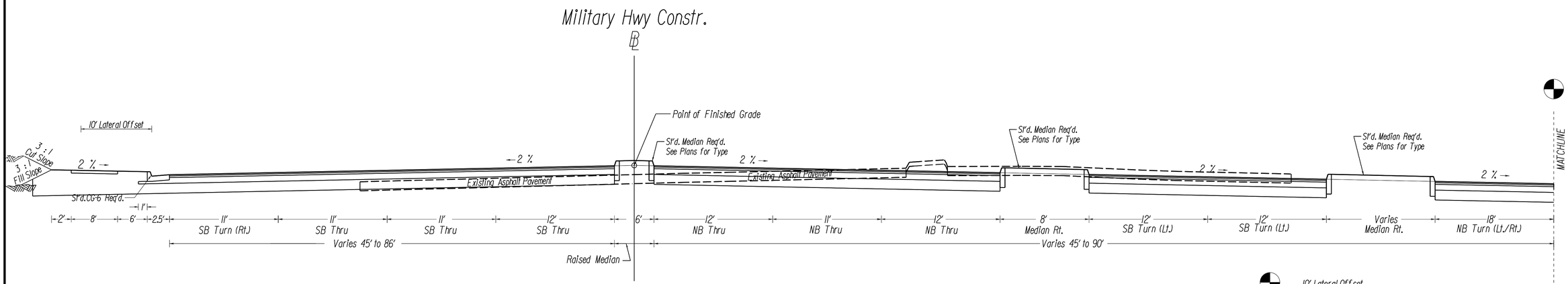
NOT TO SCALE	PROJECT	SHEET NO.
	0165-122-V04	2A(2)

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads).
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

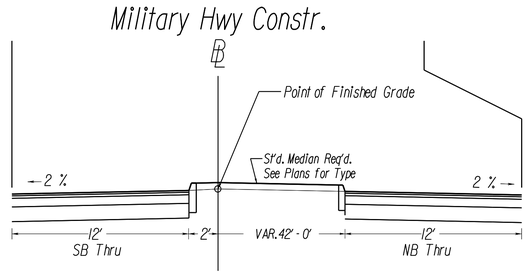
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
5/8/15	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	2A(3)

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

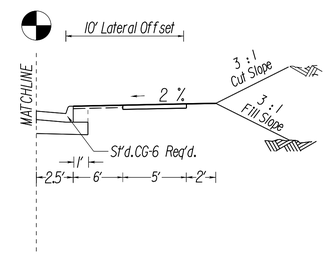
PRELIMINARY TYPICAL SECTIONS
MILITARY HIGHWAY MAINLINE



STATION 141+50.00 TO STATION 145+50.00



STATION 141+50.00 TO STATION 144+25.00



FLEXIBLE PAVEMENT SECTION :

Surface - 2.0" Asphalt Concrete, Type SM-9.5E at 220 lbs/sy

Intermediate - 2.0" Asphalt Concrete, Type IM-19.0D

Base - 5.0" Asphalt Concrete Base Course, Type BM-25.0A

Stablized Open Graded Drainage Layer - 2.0" OGDL tied to a UD-4 per VDOT Standard 108.07

Subbase - 6.0" Cement Stabilized Aggregate Base Material, Type I, Size 21-A (4% Cement By Weight)

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

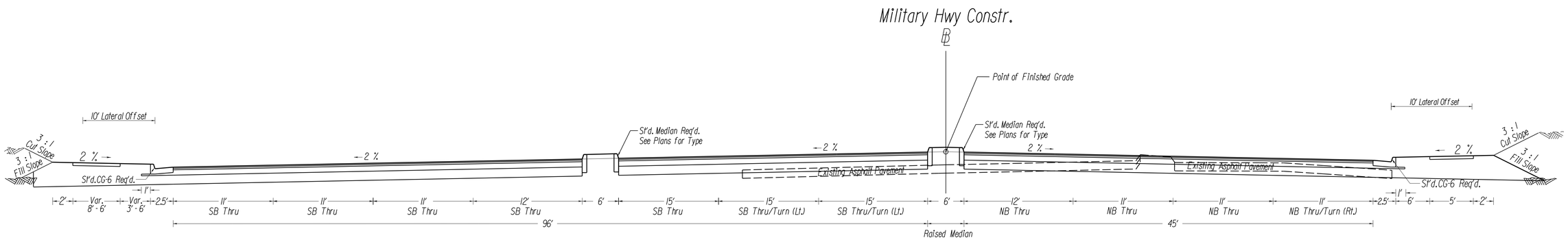
NOT TO SCALE	PROJECT	SHEET NO.
	0165-122-V04	2A(3)

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

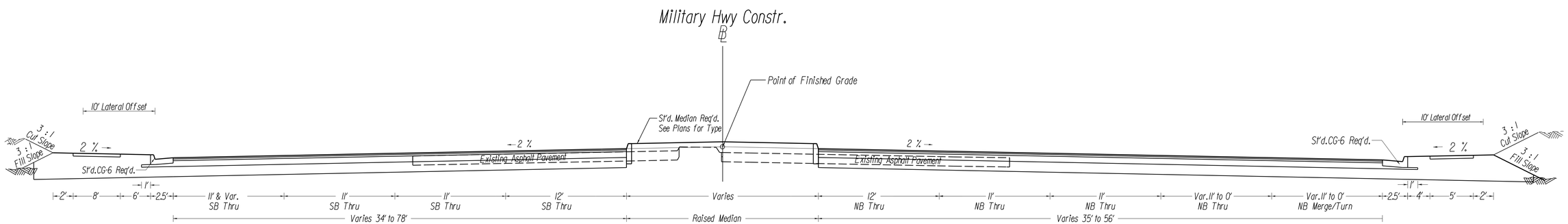
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
5/8/15	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	2A(4)

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

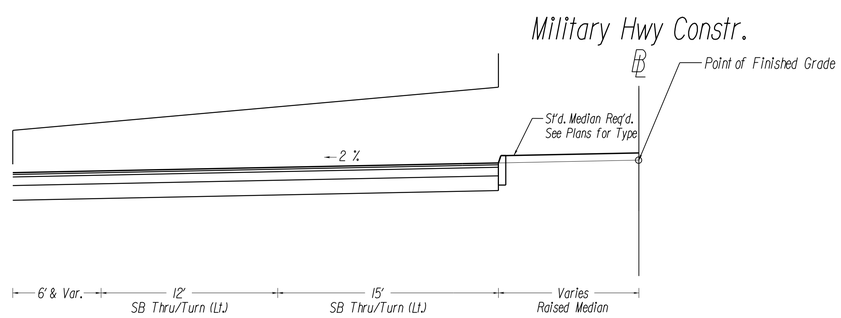
PRELIMINARY TYPICAL SECTIONS
MILITARY HIGHWAY MAINLINE



STATION 145+50.00 TO STATION 150+00.00



STATION 150+00.00 TO STATION 164+25.00



See Plans for Specific Offset Location

STATION 150+70.00 TO STATION 152+75.00

FLEXIBLE PAVEMENT SECTION :

Surface - 2.0" Asphalt Concrete, Type SM-9.5E at 220 lbs/sy

Intermediate - 2.0" Asphalt Concrete, Type IM-19.0D

Base - 5.0" Asphalt Concrete Base Course, Type BM-25.0A

Stabilized Open Graded Drainage Layer - 2.0" OGDL tied to a UD-4 per VDOT Standard 108.07

Subbase - 6.0" Cement Stabilized Aggregate Base Material, Type I, Size 21-A (4% Cement By Weight)

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

NOT TO SCALE	PROJECT	SHEET NO.
	0165-122-V04	2A(4)

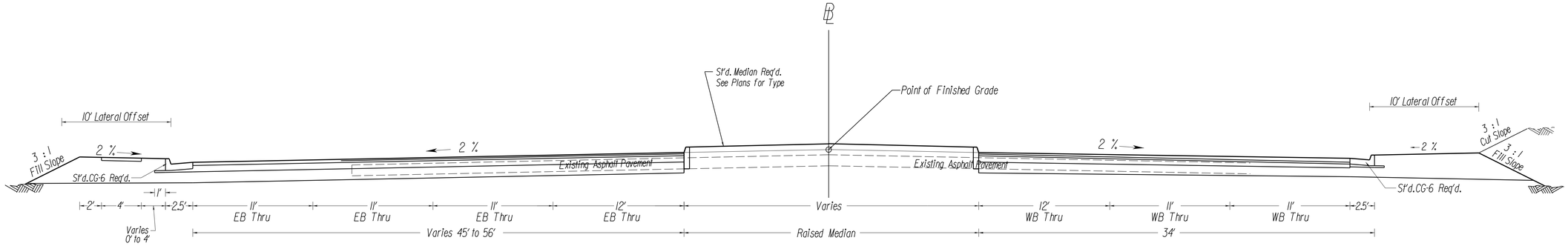
PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads).
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

PRELIMINARY TYPICAL SECTIONS
NORTHAMPTON BLVD

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	2A(5)

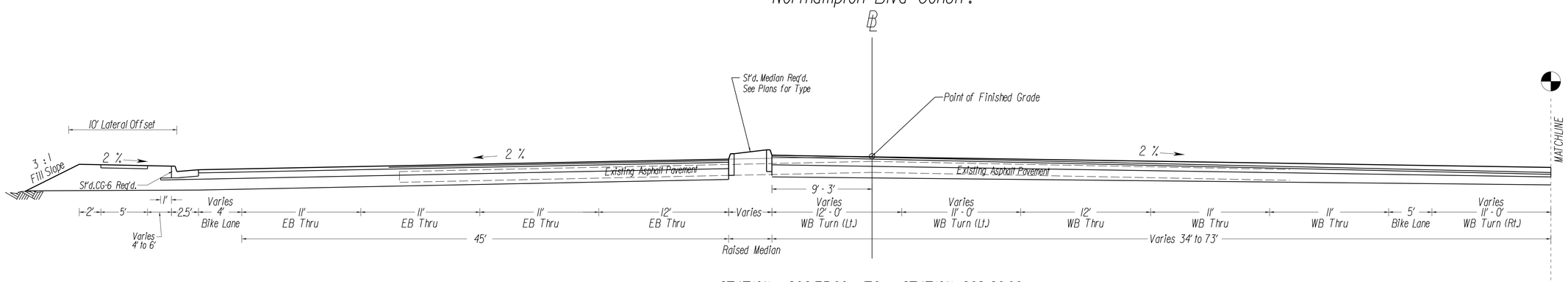
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Northampton Blvd Constr.



STATION 199+92.13 TO STATION 202+75.00

Northampton Blvd Constr.



STATION 202+75.00 TO STATION 209+20.00

PAVEMENT LEGEND :

FLEXIBLE PAVEMENT SECTION :

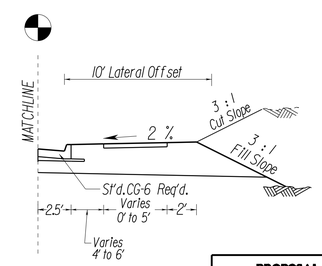
Surface - 2.0" Asphalt Concrete, Type SM-9.5E at 220 lbs/sy

Intermediate - 2.0" Asphalt Concrete, Type IM-19.0D

Base - 5.0" Asphalt Concrete Base Course, Type BM-25.0A

Stabilized Open Graded Drainage Layer - 2.0" OGDL tied to a UD-4 per VDOT Standard 108.07

Subbase - 6.0" Cement Stabilized Aggregate Base Material, Type I, Size 21-A (4% Cement By Weight)



PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

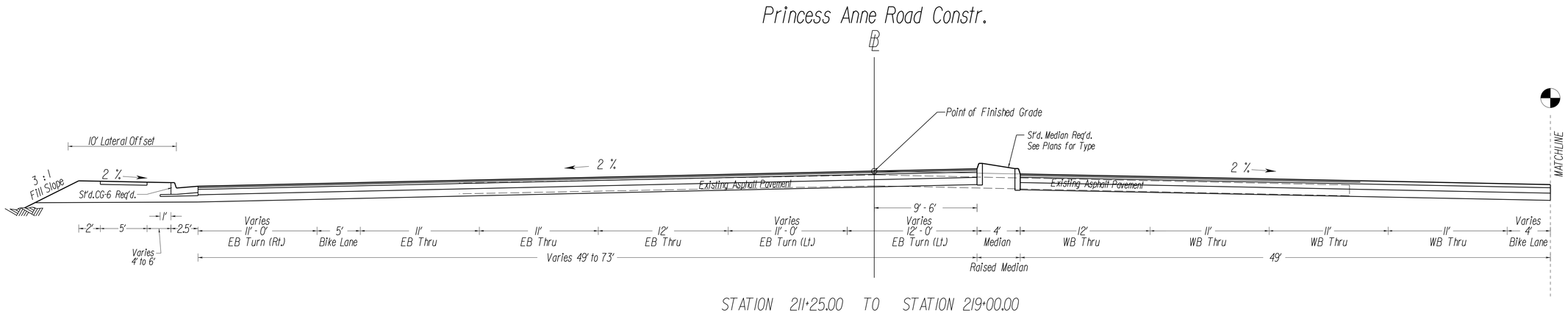
NOT TO SCALE	PROJECT	SHEET NO.
	0165-122-V04	2A(5)

PROJECT MANAGER Frank F.Fabian, P.E. (757) 494-5477 (Hampton Roads).
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

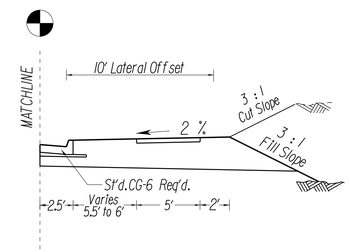
PRELIMINARY TYPICAL SECTIONS
PRINCESS ANNE ROAD

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	2A(6)

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



STATION 211+25.00 TO STATION 219+00.00



PAVEMENT LEGEND :

FLEXIBLE PAVEMENT SECTION :

Surface - 2.0" Asphalt Concrete, Type SM-9.5E at 220 lbs/sy

Intermediate - 2.0" Asphalt Concrete, Type IM-19.0D

Base - 5.0" Asphalt Concrete Base Course, Type BM-25.0A

Stabilized Open Graded Drainage Layer - 2.0" OGDL tied to a UD-4 per VDOT Standard 108.07

Subbase - 6.0" Cement Stabilized Aggregate Base Material, Type I, Size 21-A (4% Cement By Weight)

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

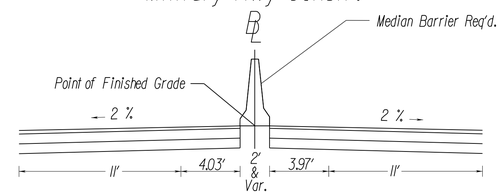
NOT TO SCALE	PROJECT	SHEET NO.
	0165-122-V04	2A(6)

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads).
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

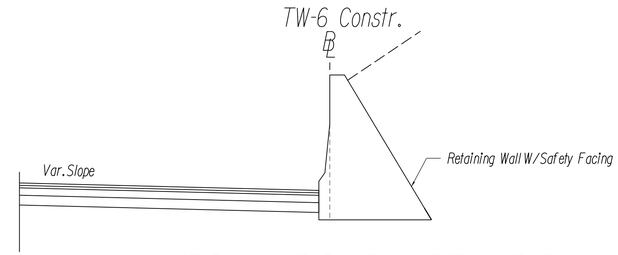
PRELIMINARY TYPICAL SECTION
MILITARY HIGHWAY MAINLINE

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	2A(7)

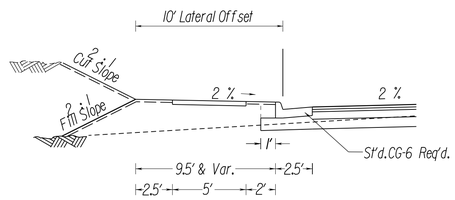
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



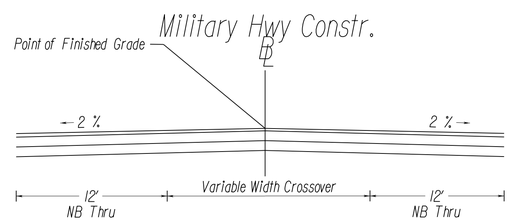
STATION 164+81.01 TO STATION 165+18.14
(Median Barrier)



STATION 166+97.97 TO STATION 167+45.00
(Mod. Retaining Wall)



STATION 161+94.63 TO STATION 165+50.00
Sidewalk Space Design



STATION 164+25.40± TO STATION 164+81.01
(Crossover)

PAVEMENT LEGEND :

FLEXIBLE PAVEMENT SECTION :

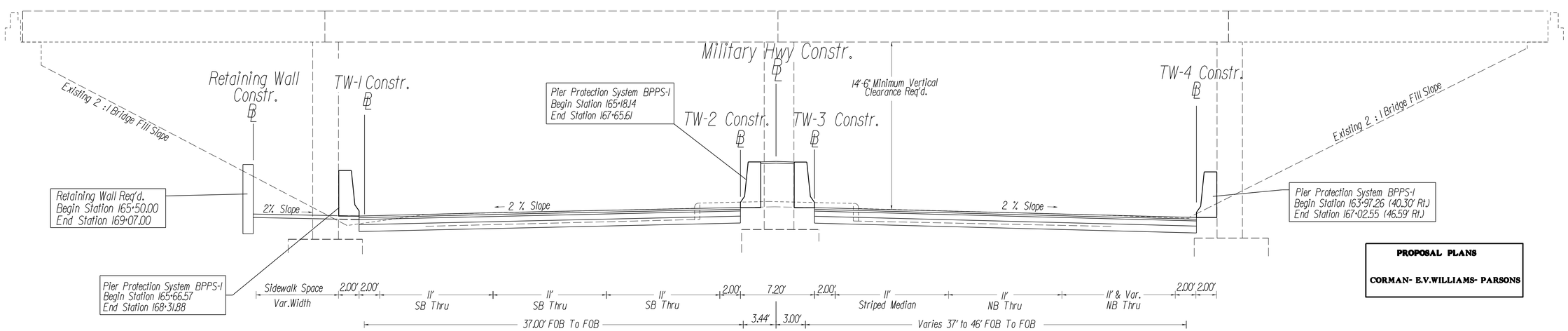
Surface - 2.0" Asphalt Concrete, Type SM-9.5E at 220 lbs/sy

Intermediate - 2.0" Asphalt Concrete, Type IM-19.0D

Base - 5.0" Asphalt Concrete Base Course, Type BM-25.0A

Stabilized Open Graded Drainage Layer - 2.0" OGDL tied to a UD-4 per VDOT Standard 108.07

Subbase - 6.0" Cement Stabilized Aggregate Base Material, Type I, Size 21-A (4% Cement By Weight)



STATION 164+25.40 TO STATION 168+00.00

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

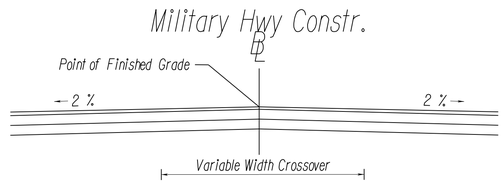
NOT TO SCALE	PROJECT	SHEET NO.
	0165-122-181	2A(7)

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads).
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

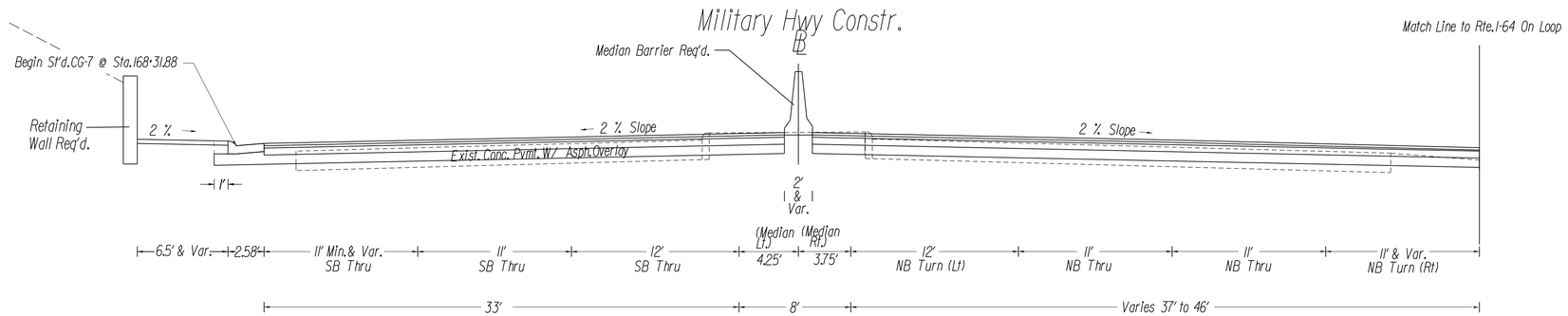
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	2A(8)

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

PRELIMINARY TYPICAL SECTION
MILITARY HIGHWAY MAINLINE



STATION 168+25.00 TO STATION 168+90.00
(Crossover)



STATION 168+00.00 TO STATION 168+90.00

PAVEMENT LEGEND :

FLEXIBLE PAVEMENT SECTION :

Surface - 2.0" Asphalt Concrete, Type SM-9.5E at 220 lbs/sy

Intermediate - 2.0" Asphalt Concrete, Type IM-19.0D

Base - 5.0" Asphalt Concrete Base Course, Type BM-25.0A

Stabilized Open Graded Drainage Layer - 2.0" OGDL tied to a UD-4 per VDOT Standard 108.07

Subbase - 6.0" Cement Stabilized Aggregate Base Material, Type I, Size 21-A (4% Cement By Weight)

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

NOT TO SCALE	PROJECT 0165-122-181	SHEET NO. 2A(8)

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads).
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

PRELIMINARY TYPICAL SECTION
MILITARY HIGHWAY MAINLINE

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
5/8/15	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	2A(9)

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

FLEXIBLE PAVEMENT SECTION :

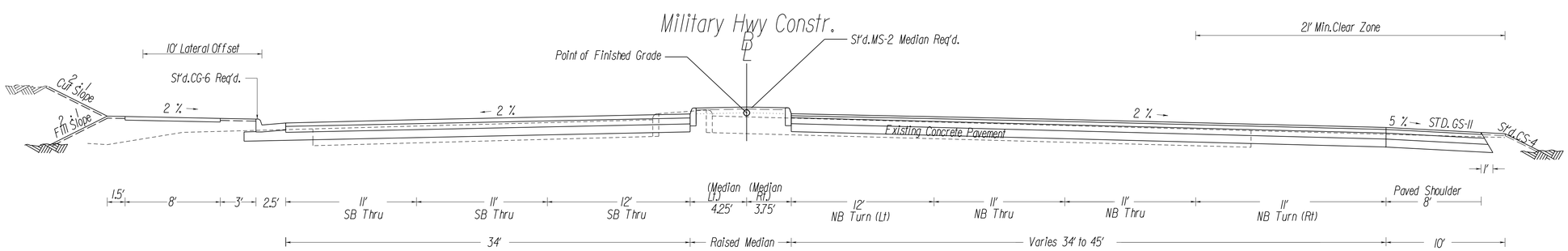
Surface - 2.0" Asphalt Concrete, Type SM-9.5E at 220 lbs/sy

Intermediate - 2.0" Asphalt Concrete, Type IM-19.0D

Base - 5.0" Asphalt Concrete Base Course, Type BM-25.0A

Stabilized Open Graded Drainage Layer - 2.0" OGDL tied to a UD-4 per VDOT Standard 108.07

Subbase - 6.0" Cement Stabilized Aggregate Base Material, Type I, Size 21-A (4% Cement By Weight)



STATION 168+90.00 TO STATION 171+25.00

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

NOT TO SCALE	PROJECT	SHEET NO.
	0165-122-181	2A(9)

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads).
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
5/8/15	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	2A(10)

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

PRELIMINARY TYPICAL SECTION
MILITARY HIGHWAY MAINLINE

FLEXIBLE PAVEMENT SECTION :

Surface - 2.0" Asphalt Concrete, Type SM-9.5E at 220 lbs/sy

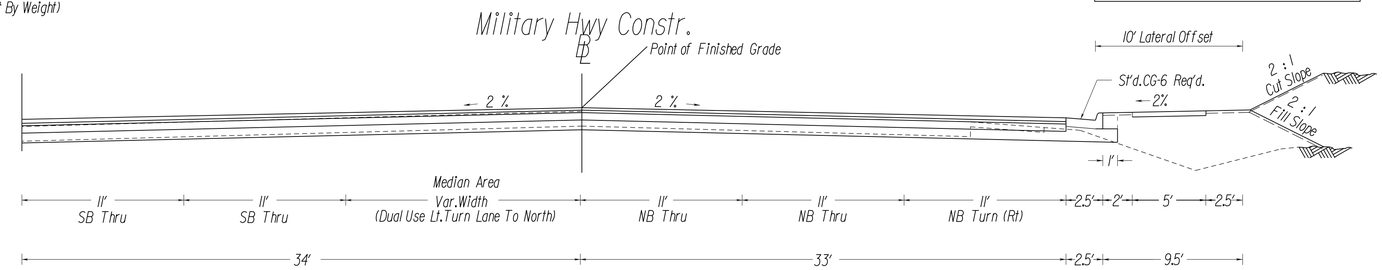
Intermediate - 2.0" Asphalt Concrete, Type IM-19.0D

Base - 5.0" Asphalt Concrete Base Course, Type BM-25.0A

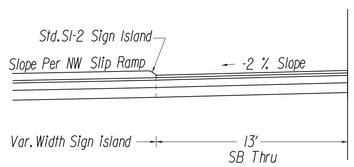
Stabilized Open Graded Drainage Layer - 2.0" OGDL tied to a UD-4 per VDOT Standard 108.07

Subbase - 6.0" Cement Stabilized Aggregate Base Material, Type I, Size 21-A (4% Cement By Weight)

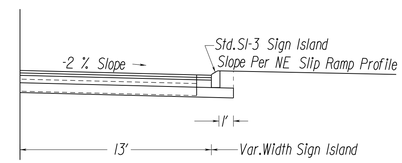
***Note: See the details and profile shown on Sheet 15A for the adjusted crownline breakpoints from Stations 176+60.00 to 178+60.63, used to tie into the existing pavement at the north end of the project.



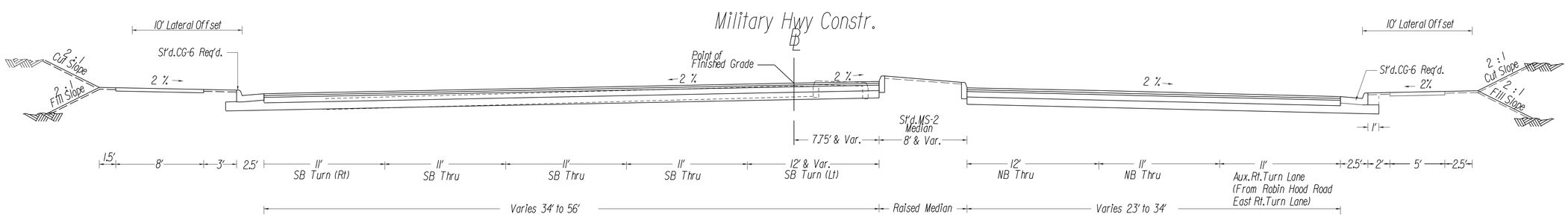
STATION 176+35.00 TO STATION 178+60.63



STATION 172+25.61 TO STATION 172+45.72



STATION 172+29.79 TO STATION 172+67.69



STATION 172+25.00 TO STATION 176+35.00

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

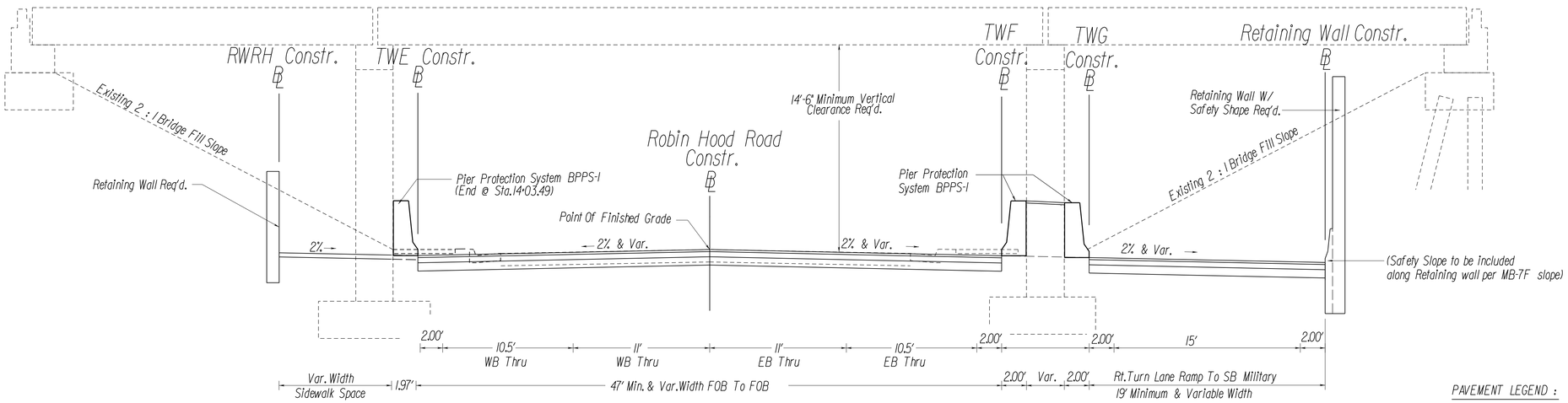
NOT TO SCALE	PROJECT	SHEET NO.
	0165-122-181	2A(10)

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads).
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

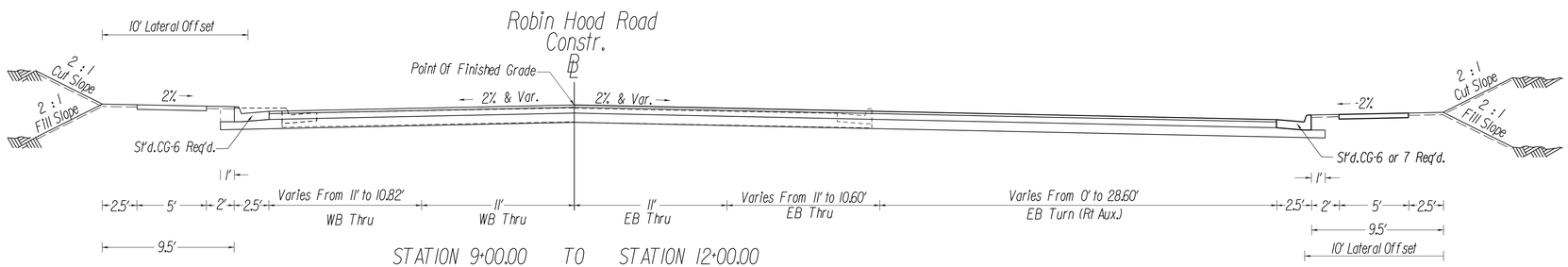
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	2A(11)

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

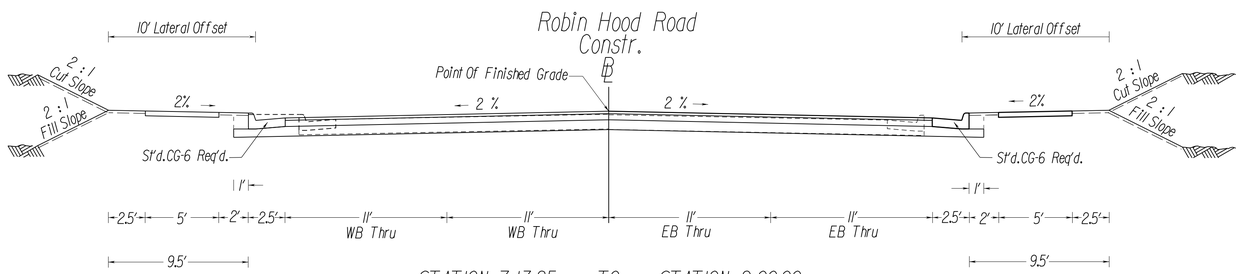
PRELIMINARY TYPICAL SECTION
ROBIN HOOD ROAD WEST



STATION 12+00.00 TO STATION 14+75.00



STATION 9+00.00 TO STATION 12+00.00



STATION 7+13.25 TO STATION 9+00.00

PAVEMENT LEGEND :

Surface - 2.0" Asphalt Concrete, Type SM-9.5E at 220 lbs/sy
Intermediate - 2.0" Asphalt Concrete, Type IM-19.0A
Base - 3.5" Asphalt Concrete Base Course, Type BM-25.0A
Subbase - 6.0" Aggregate Base Material, Type I, Size 21-B

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

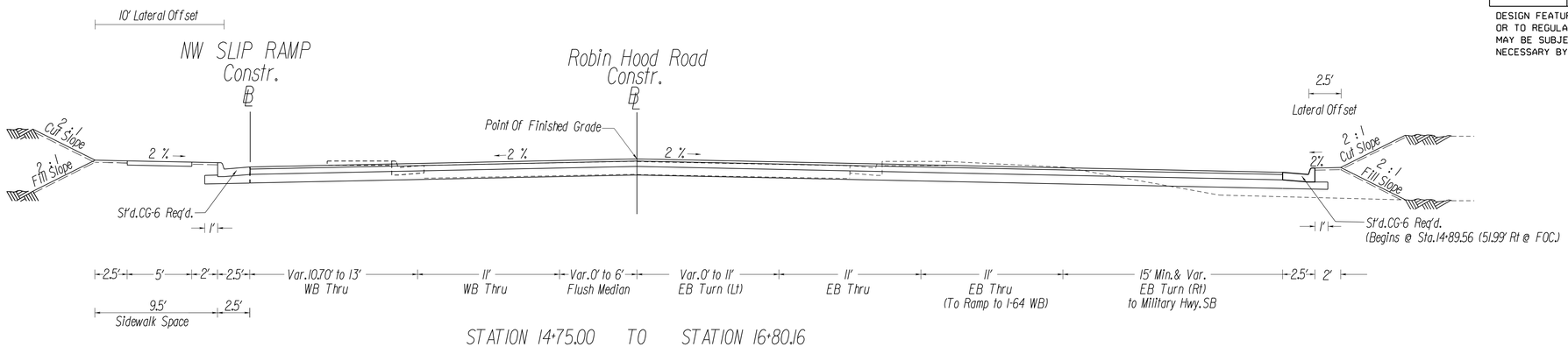
NOT TO SCALE	PROJECT	SHEET NO.
	0165-122-181	2A(11)

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

PRELIMINARY TYPICAL SECTION
ROBIN HOOD ROAD WEST

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	2A(12)

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



STATION 14+75.00 TO STATION 16+80.16

Robin Hood Rd. Constr.BL

PAVEMENT LEGEND :

Surface - 2.0" Asphalt Concrete, Type SM-9.5E at 220 lbs/sy

Intermediate - 2.0" Asphalt Concrete, Type IM-19.0A

Base - 3.5" Asphalt Concrete Base Course, Type BM-25.0A

Subbase - 6.0" Aggregate Base Material, Type I, Size 21-B

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

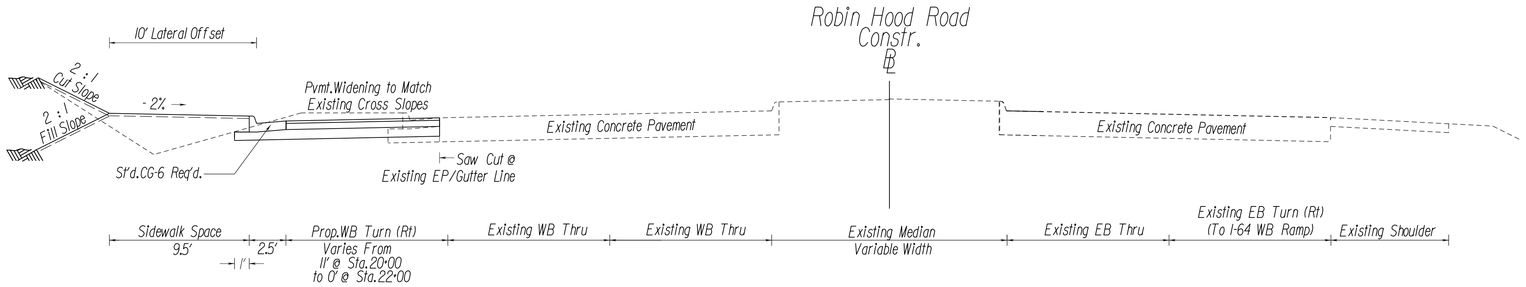
NOT TO SCALE	PROJECT	SHEET NO.
	0165-122-181	2A(12)

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

PRELIMINARY TYPICAL SECTION
ROBIN HOOD ROAD EAST

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	2A(13)

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



STATION 20+00.00 TO STATION 22+00.00

PAVEMENT LEGEND :

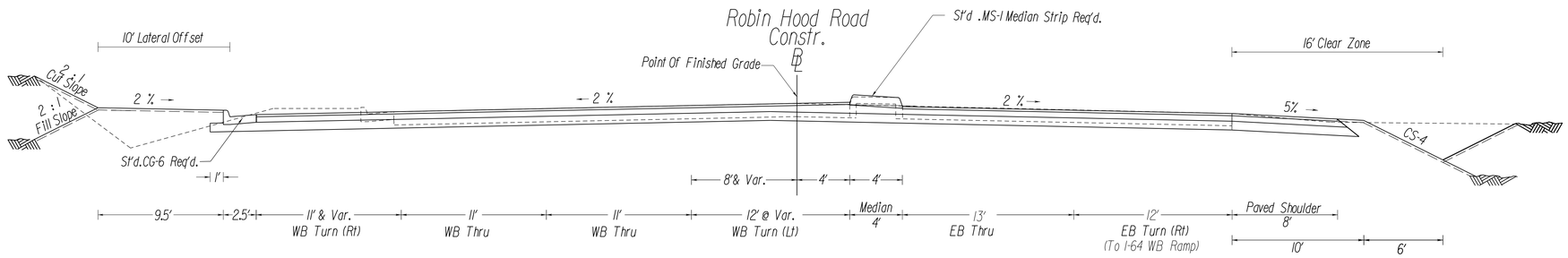
Surface - 2.0" Asphalt Concrete, Type SM-9.5E at 220 lbs/sy

Intermediate - 2.0" Asphalt Concrete, Type IM-19.0A

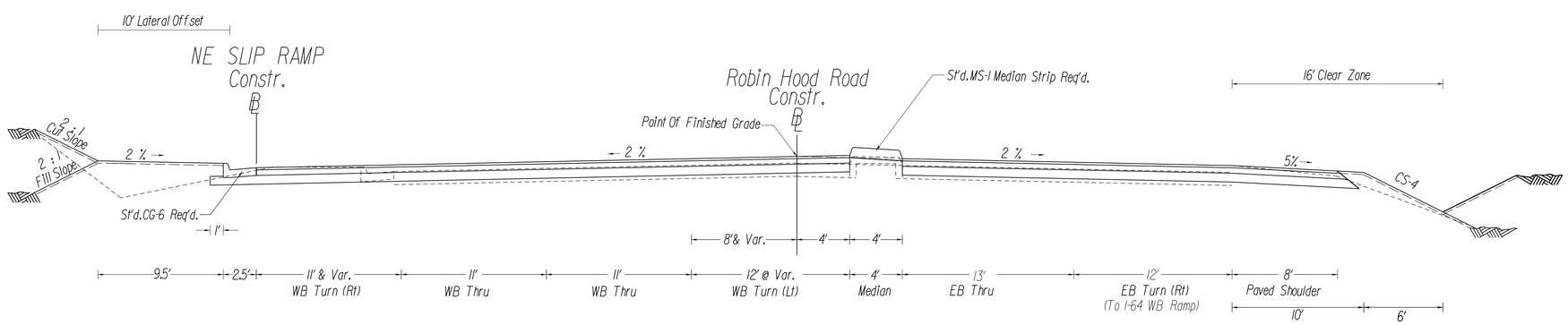
Base - 3.5" Asphalt Concrete Base Course, Type BM-25.0A

Subbase - 6.0" Aggregate Base Material, Type I, Size 21-B)

STATION 14+68.55 TO STATION 15+95.42
(Sidewalk Space Area)



STATION 19+25.00 TO STATION 20+00.00



STATION 17+68.71 TO STATION 19+25.00

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

NOT TO SCALE	PROJECT	SHEET NO.
	0165-122-181	2A(13)

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

PRELIMINARY TYPICAL SECTION MILITARY HIGHWAY RAMPS

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
5/8/15	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	2A(14)

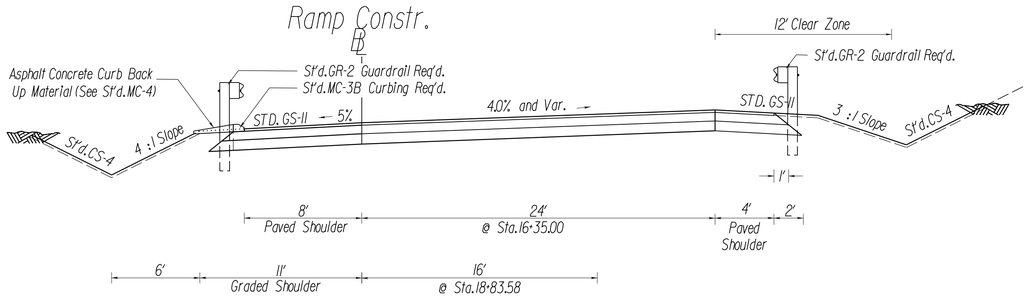
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TYPICAL SECTION RTE. 1-64 OFF RAMP

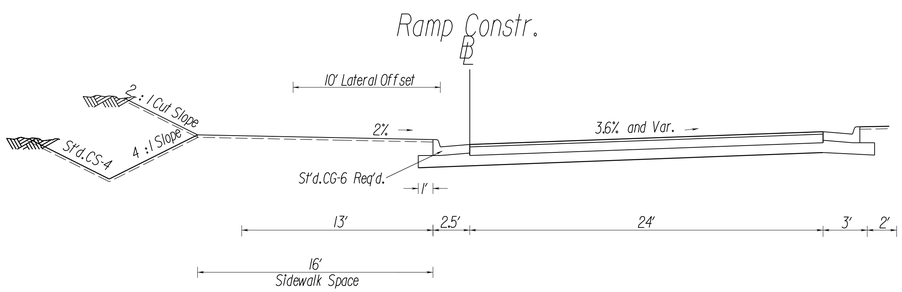
LEFT (OUTSIDE) GUARDRAIL REQUIREMENTS

End Installation of St'd.GR-2 @ Sta.15+81.68 (8.74' Lt.- (tie to exist.guardrail))
Install St'd.GR-2 at Sta.15+08.00 (5.97' Lt.(Break Pt.))
Install St'd.GR-2 from Sta.13+62.50 to 14+53.81 (8.00' Lt.)
Install St'd. GR-11 from Sta.15+10.50 to 15+25.00 (8.00' Lt.)

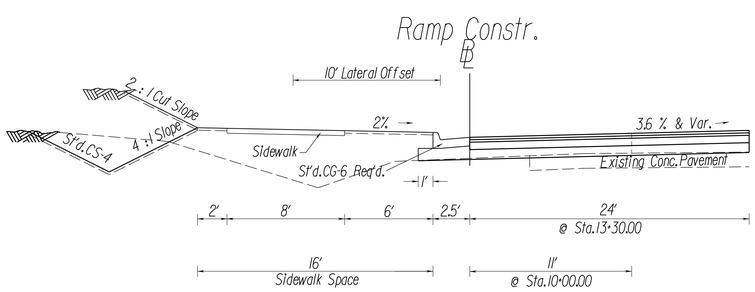
RIGHT (INSIDE) GUARDRAIL REQUIREMENTS
NOTE: THE ASPHALT CURBING & BACK UP MATERIAL IS NOT REQ'D. UNDER THE RIGHT SIDE CURBING.
End Placement of St'd.GR-2 @ Sta.18+80.52 (21.75' Rt - (tie to exist.guardrail.)
Install St'd.GR-2 from Sta.15+25.00 to 18+80.52 (28.00' Rt.to 21.75' Rt.)
Install St'd. GR-11 from Sta.15+10.50 to 15+25.00 (28.00' Rt.)



STATION 14+30.00 TO STATION 18+83.58



STATION 13+60.00 TO STATION 14+30.00

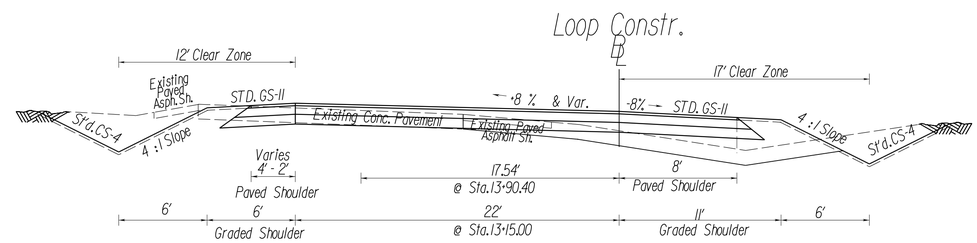


STATION 10+00.00 TO STATION 13+60.00

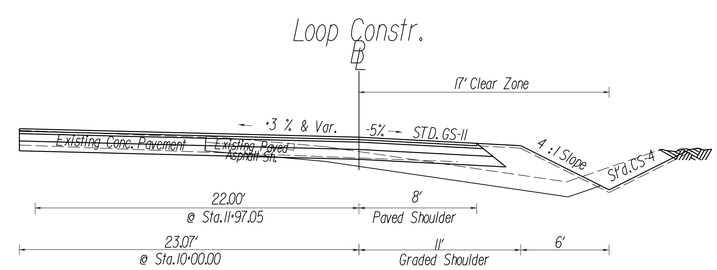
FLEXIBLE PAVEMENT SECTION :

Surface - 2.0" Asphalt Concrete, Type SM-9.5E at 220 lbs/sy
Intermediate - 2.0" Asphalt Concrete, Type IM-19.0A
Base - 4" Asphalt Concrete Base Course, Type BM-25.0A
Subbase - 6.0" Aggregate Base Material, Type I, Size 21-B

TYPICAL SECTION RTE. 1-64 ON LOOP STA. 10+00.00 TO 13+90.40



STATION 11+82.56 TO STATION 13+90.40



STATION 10+00.00 TO STATION 11+82.56

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

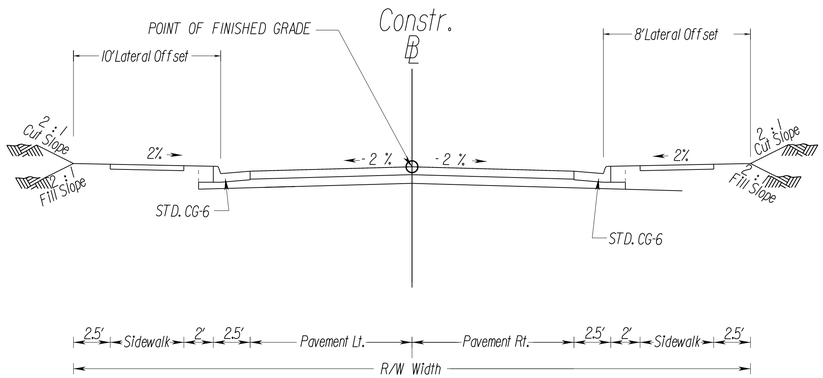
NOT TO SCALE	PROJECT	SHEET NO.
	0165-122-181	2A(14)

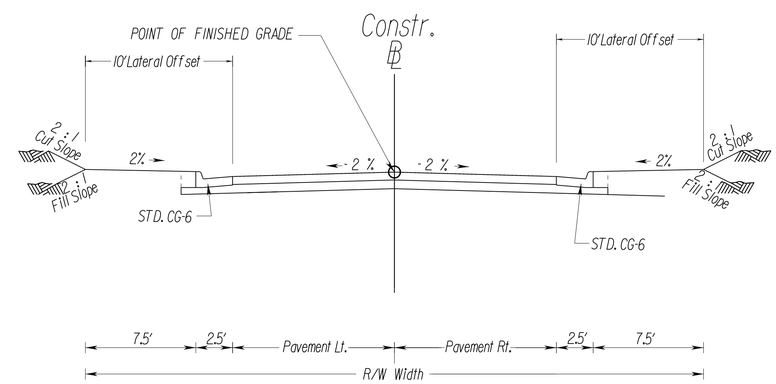
PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads).
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	13	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	2A(15)

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

PRELIMINARY TYPICAL SECTION
CONNECTION ROADS

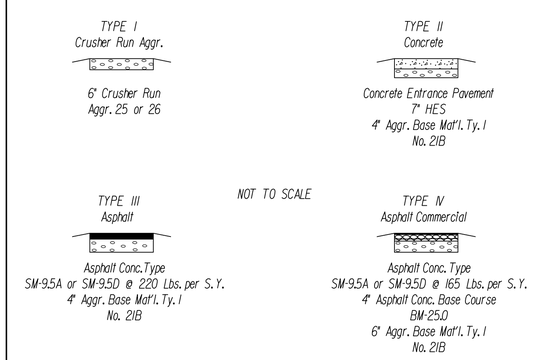




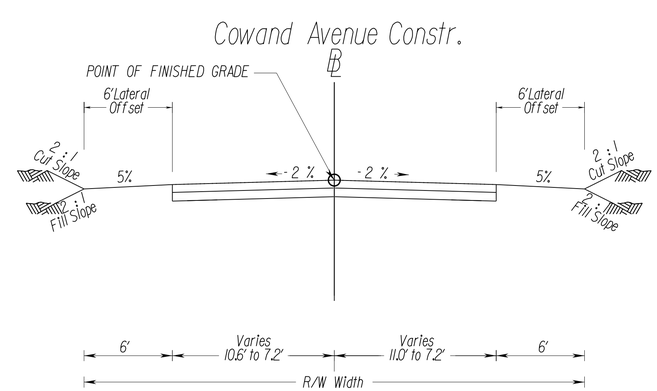
Roadway	Sheet No.	Station To Station	Pavement Left	Pavement Right
Commecial Entr. No. 1 Lt. (West)	5	10+60.96 to 11+33.50	3 - 12' = Lanes Out	1 - 18' = Lane In 10.47' Rt (Exist. Median) to 28.51' Rt.
Commercial Entr. No. 1 Rt. (East)		10+55.06 to 11+00.00	2 - 12' = Lanes Out 16.86' Lt.	1 - 12' = Lane In 19.47' Rt.
Commercial Entr. No. 2 Lt. (West)	6	10+60.30 to 11+17.12	1 - 13' = Lane Out 19.31' Lt. to 6.16' Lt. (Existing Median)	1 - 12.75' = Lane In 3.99' Rt (Exist. Median) to 16.75' Rt.
Comm. Entr. No. 2 (Lake Herbert) (VoTech Entrance)		10+60.53 to 11+35.65	1 - 13.5' = Lane Out 13.00' Lt.	1 - 13.5' = Lane In 10.47' Rt.

Roadway	Sheet No.	Station To Station	Pavement Left	Pavement Right
Lewis Road	8	10+50.00 to 11+75.00	1 - 13' = Lane In	1 - 13' = Lane Out
Cornick Road		10+54.00 to 11+50.10	1 - 9' = Lane	
Commercial Entr. No. 3 Rt. (East)		10+63.53 to 11+01.00	1 - 10' = Lane In	1 - 10' = Lane In
Elizabeth Avenue West	10	10+60.30 to 11+17.12	1 - 18' = Lane Out See Plan for Proposed Median Location	2 - 15' = Lanes In See Plan for Proposed Median Location
Elizabeth Avenue East		10+60.53 to 11+35.65	1 - 11.5' = Lane Out	1 - 11.5' = Lane In

PRIVATE AND COMMERCIAL ENTRANCES



The type of entrance (I, II, III, IV) to be constructed will be determined by the existing condition at the time of construction.



FLEXIBLE PAVEMENT SECTION :

Surface - 2.0" Asphalt Concrete, Type SM-9.5E at 220 lbs/sy

Intermediate - 2.0" Asphalt Concrete, Type IM-19.0D

Base - 5.0" Asphalt Concrete Base Course, Type BM-25.0A

Stabilized Open Graded Drainage Layer - 2.0" OGDL tied to a UD-4 per VDOT Standard 108.07

Subbase - 6.0" Cement Stabilized Aggregate Base Material, Type I, Size 21-A (4% Cement By Weight)

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

NOT TO SCALE	PROJECT	SHEET NO.
	0013-122-V03	2A(15)

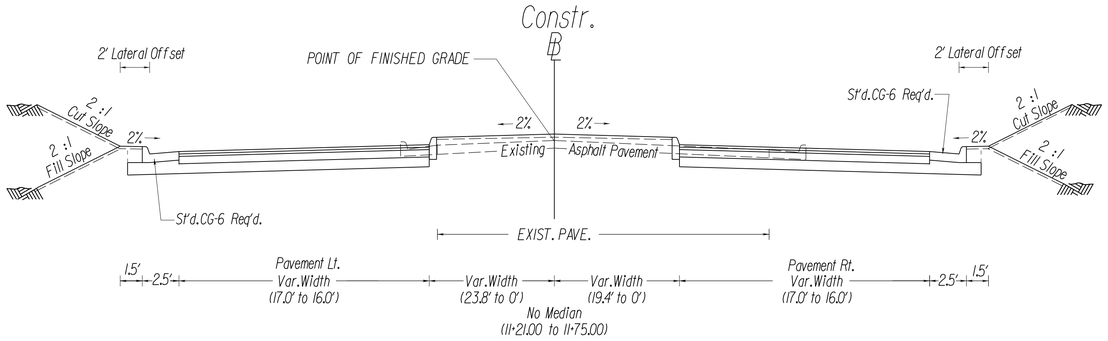
PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	2A(16)

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

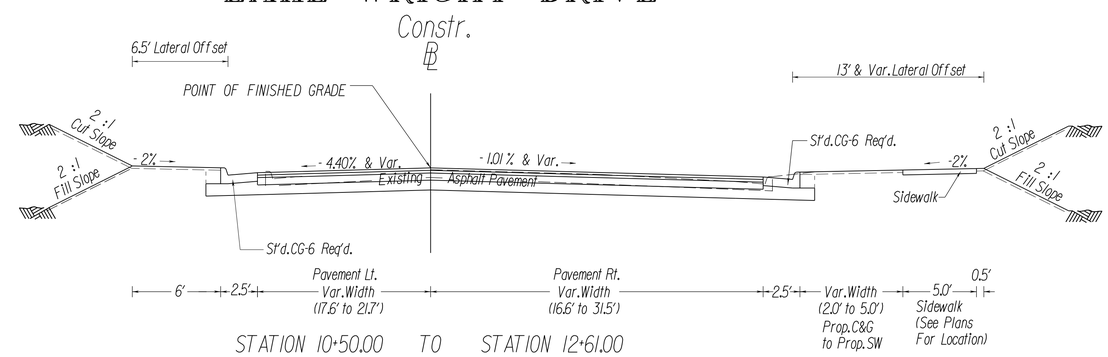
PRELIMINARY TYPICAL SECTIONS

POLICE TRAINING CENTER ENTRANCE (ACADEMY DRIVE)



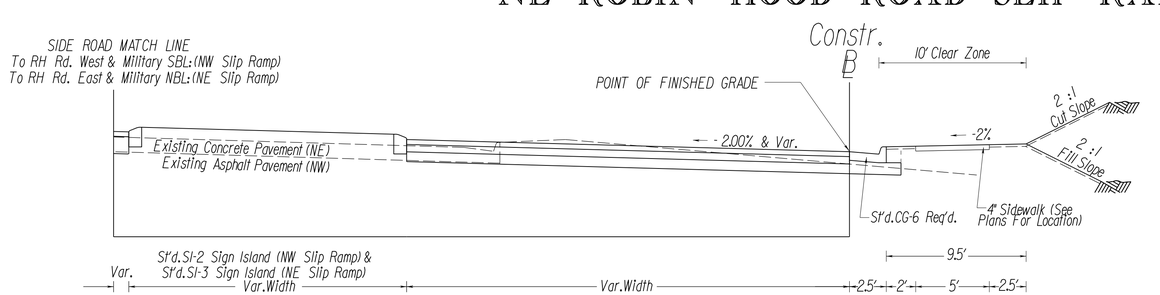
STATION 10+55.00 TO STATION 11+75.00

LAKE WRIGHT DRIVE



STATION 10+50.00 TO STATION 12+61.00

NW ROBIN HOOD ROAD SLIP RAMP & NE ROBIN HOOD ROAD SLIP RAMP



STATION 10+41.97 TO STATION 11+46.94 NW Robin Hood Rd. Slip Ramp

STATION 11+00.00 TO STATION 12+89.67 NE Robin Hood Rd. Slip Ramp

PAVEMENT LEGEND (ROBIN HOOD ROAD):

Surface - 2.0" Asphalt Concrete, Type SM-9.5E at 220 lbs/sy

Intermediate - 2.0" Asphalt Concrete, Type IM-19.0A

Base - 3.5" Asphalt Concrete Base Course, Type BM-25.0A

Subbase - 6.0" Aggregate Base Material, Type I, Size 21-B

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

NOT TO SCALE	PROJECT	SHEET NO.
	0165-122-181	2A(16)

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	2B

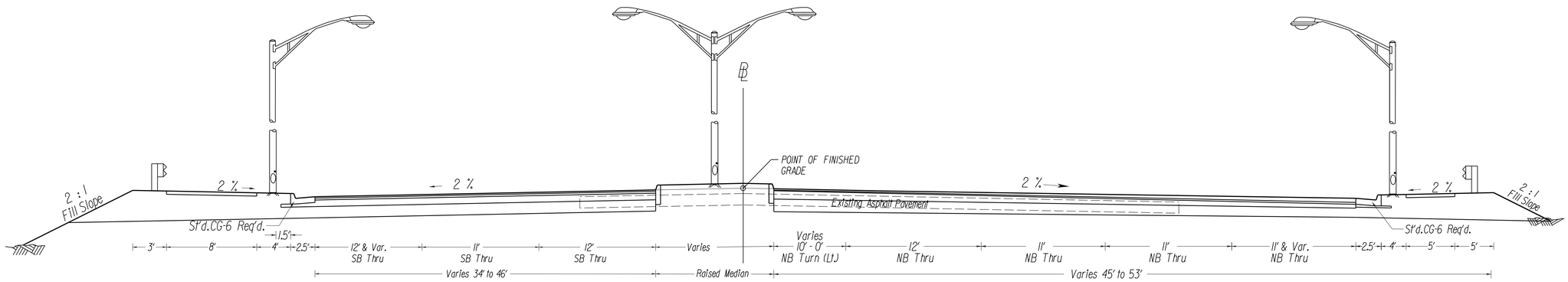
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

UTILITY LEGEND

1. Potential utility relocation/ adjustment - Virginia Natural Gas
2. Potential utility relocation/ adjustment - Telecom
3. Potential utility relocation/ adjustment - Dominion
4. Potential utility relocation/ adjustment - Water or Sanitary

UTILITY NOTES

1. Overhead to underground relocations not shown
2. Minor items such as box and valve adjustment not shown
3. All street lighting w/in LOD assumed to be removed and replaced (not shown)
4. Relocated fire hydrants not called out



TYPICAL LIGHT POLE DETAIL

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

NOT TO SCALE	PROJECT 0165-122-V04	SHEET NO. 2B

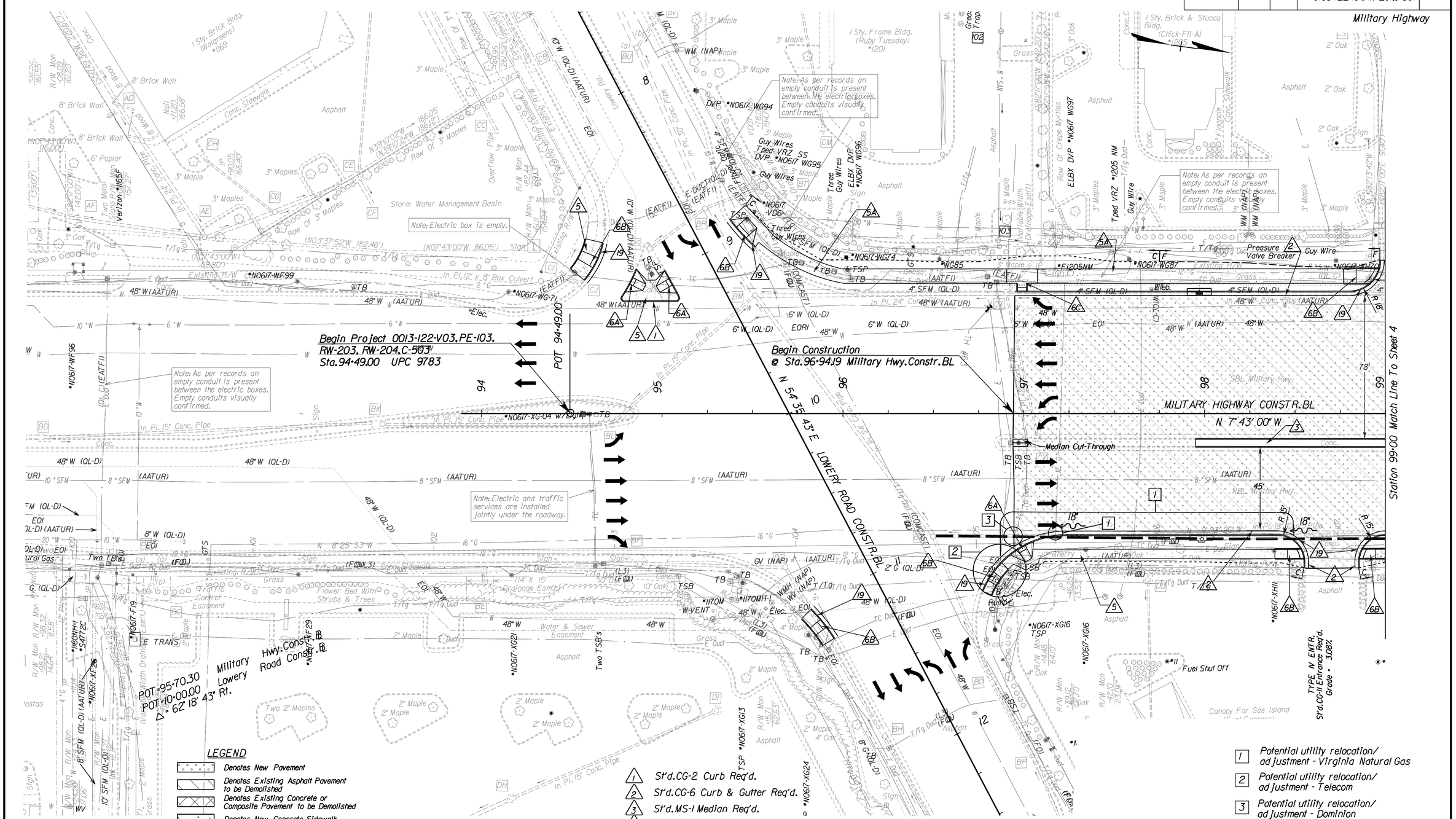
PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	13	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	3



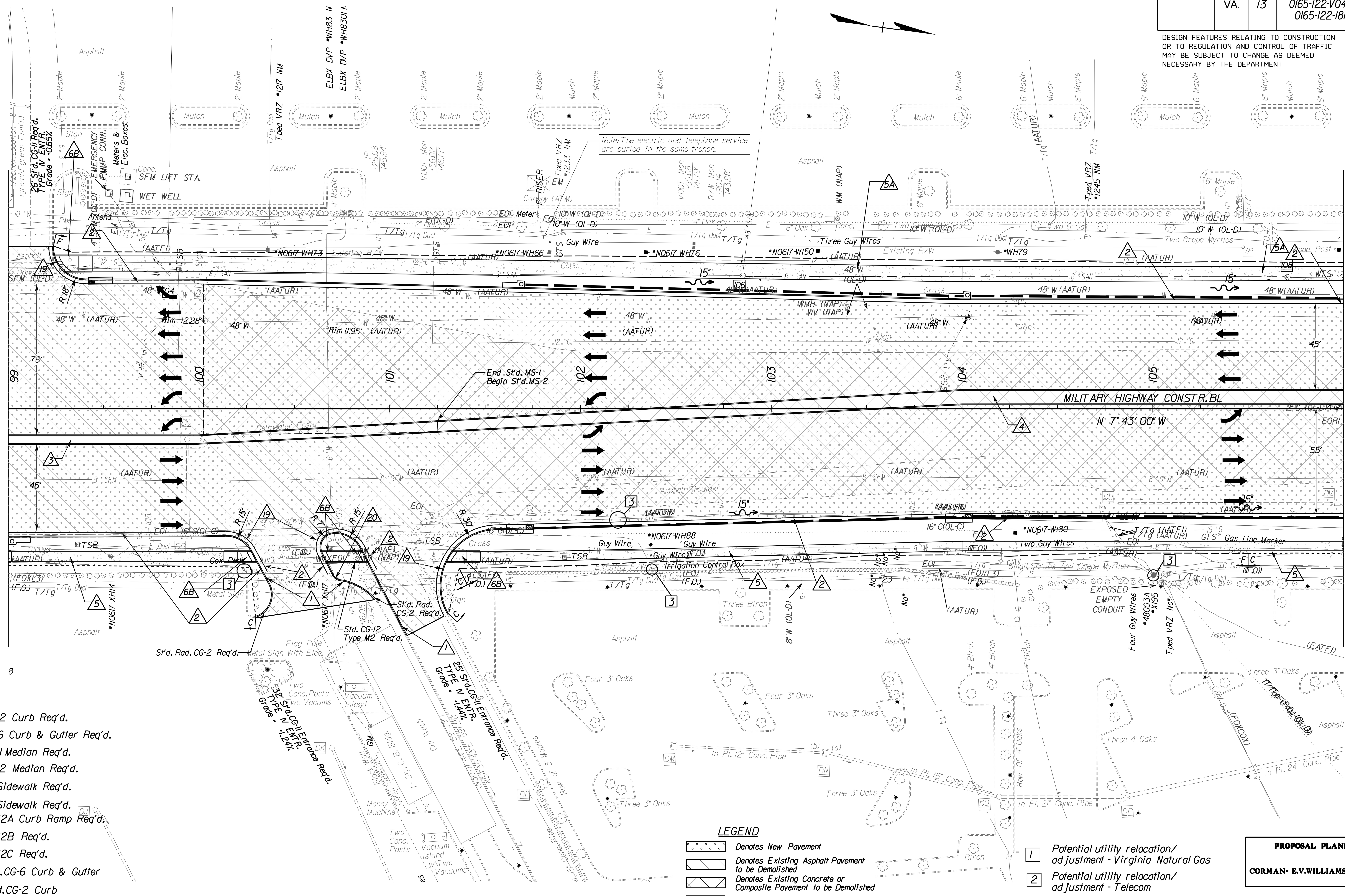
SCALE	PROJECT	SHEET NO.
0 25' 50'	0013-122-V03	3

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	13	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	4

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

Military Highway



1. St'd.CG-2 Curb Req'd.
2. St'd.CG-6 Curb & Gutter Req'd.
3. St'd.MS-1 Median Req'd.
4. St'd.MS-2 Median Req'd.
5. 5' Conc.Sidewalk Req'd.
5A. 8' Conc.Sidewalk Req'd.
6A. St'd.CG-12A Curb Ramp Req'd.
6B. St'd.CG-12B Req'd.
6C. St'd.CG-12C Req'd.
19. St'd.Rad.CG-6 Curb & Gutter
20. St'd Rad.CG-2 Curb

LEGEND

- Denotes New Pavement
- Denotes Existing Asphalt Pavement to be Demolished
- Denotes Existing Concrete or Composite Pavement to be Demolished
- Denotes New Concrete Sidewalk
- C — Denotes Construction Limits in Cuts
- F — Denotes Construction Limits in Fills

1 Potential utility relocation/ adjustment - Virginia Natural Gas
2 Potential utility relocation/ adjustment - Telecom
3 Potential utility relocation/ adjustment - Dominion
4 Potential utility relocation/ adjustment - Water or Sanitary

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

SCALE	PROJECT	SHEET NO.
0 25' 50'	0013-122-V03	4

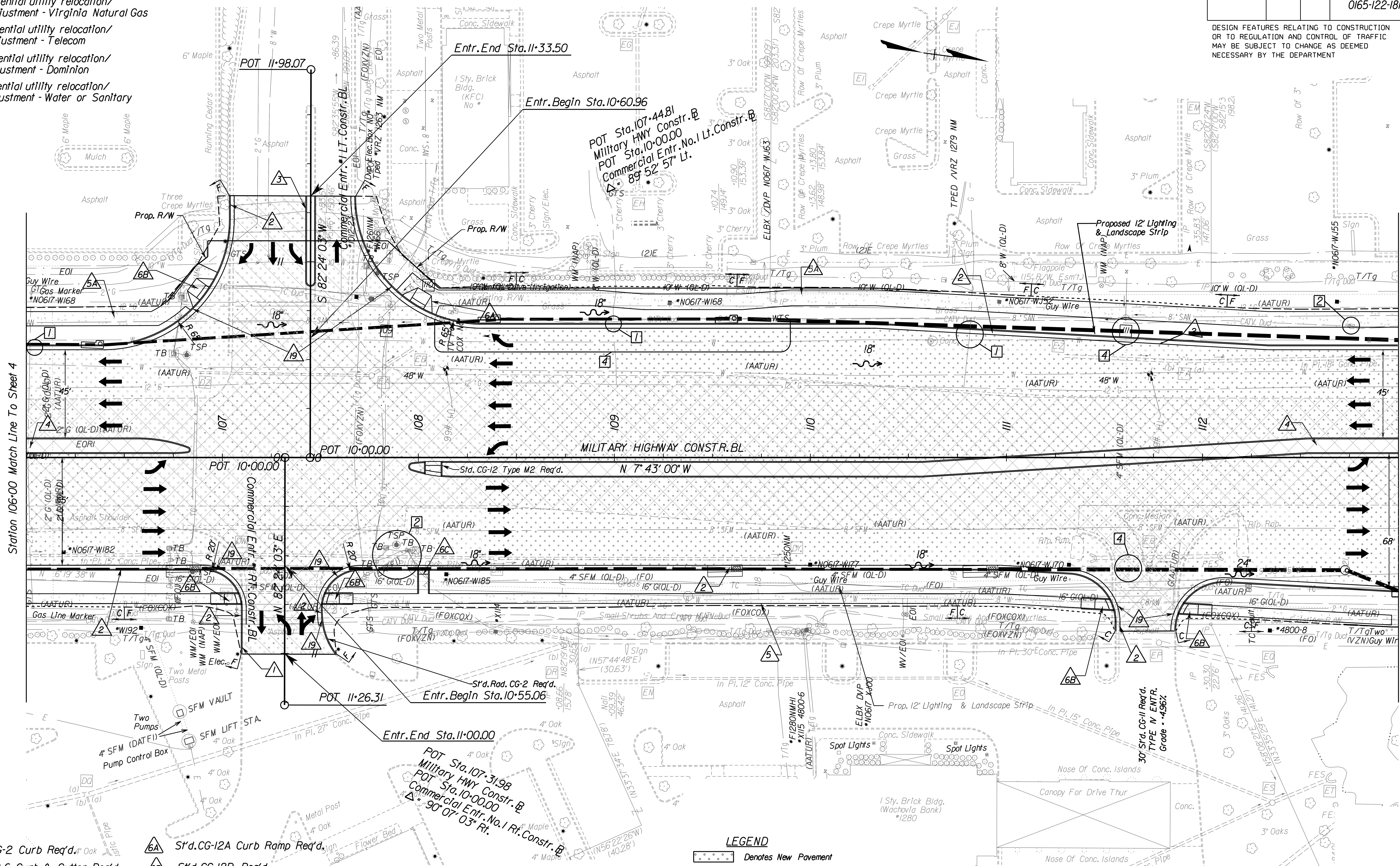
PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	13	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	5

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

Military Highway

[1] Potential utility relocation/ adjustment - Virginia Natural Gas
[2] Potential utility relocation/ adjustment - Telecom
[3] Potential utility relocation/ adjustment - Dominion
[4] Potential utility relocation/ adjustment - Water or Sanitary



1. St'd.CG-2 Curb Req'd.
2. St'd.CG-6 Curb & Gutter Req'd.
3. St'd.MS-1 Median Req'd.
4. St'd.MS-2 Median Req'd.
5. 5' Conc.Sidewalk Req'd.
5A. 8' Conc.Sidewalk Req'd.
6A. St'd.CG-12A Curb Ramp Req'd.
6B. St'd.CG-12B Req'd.
6C. St'd.CG-12C Req'd.
19. St'd.Rad.CG-6 Curb & Gutter

LEGEND

- Denotes New Pavement
- Denotes Existing Asphalt Pavement to be Demolished
- Denotes Existing Concrete or Composite Pavement to be Demolished
- Denotes New Concrete Sidewalk
- C — Denotes Construction Limits in Cuts
- F — Denotes Construction Limits in Fills

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

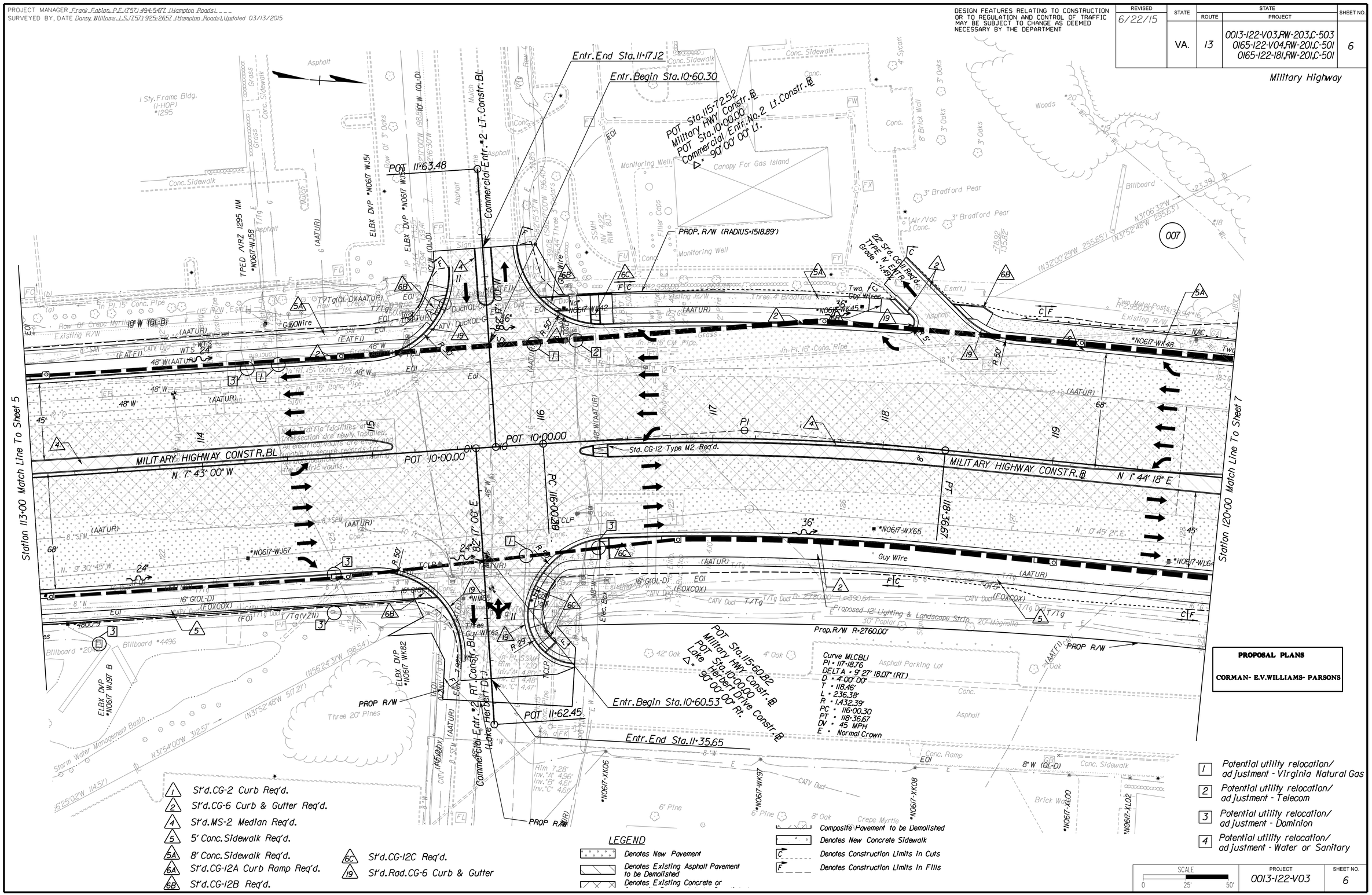
SCALE	PROJECT	SHEET NO.
0 25' 50'	0013-122-V03	5

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
6/22/15	VA.	13	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	6

Military Highway



PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

1. St'd.CG-2 Curb Req'd.
2. St'd.CG-6 Curb & Gutter Req'd.
4. St'd.MS-2 Median Req'd.
5. 5' Conc.Sidewalk Req'd.
5A. 8' Conc.Sidewalk Req'd.
6A. St'd.CG-12A Curb Ramp Req'd.
6B. St'd.CG-12B Req'd.
6C. St'd.CG-12C Req'd.
19. St'd.Rad.CG-6 Curb & Gutter

LEGEND

- Denotes New Pavement
- Denotes Existing Asphalt Pavement to be Demolished
- Denotes Existing Concrete or Composite Pavement to be Demolished
- Denotes New Concrete Sidewalk
- C — Denotes Construction Limits In Cuts
- F — Denotes Construction Limits In Fills

1. Potential utility relocation/ adjustment - Virginia Natural Gas
2. Potential utility relocation/ adjustment - Telecom
3. Potential utility relocation/ adjustment - Dominion
4. Potential utility relocation/ adjustment - Water or Sanitary

SCALE	PROJECT	SHEET NO.
0 25' 50'	0013-122-V03	6

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads).
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

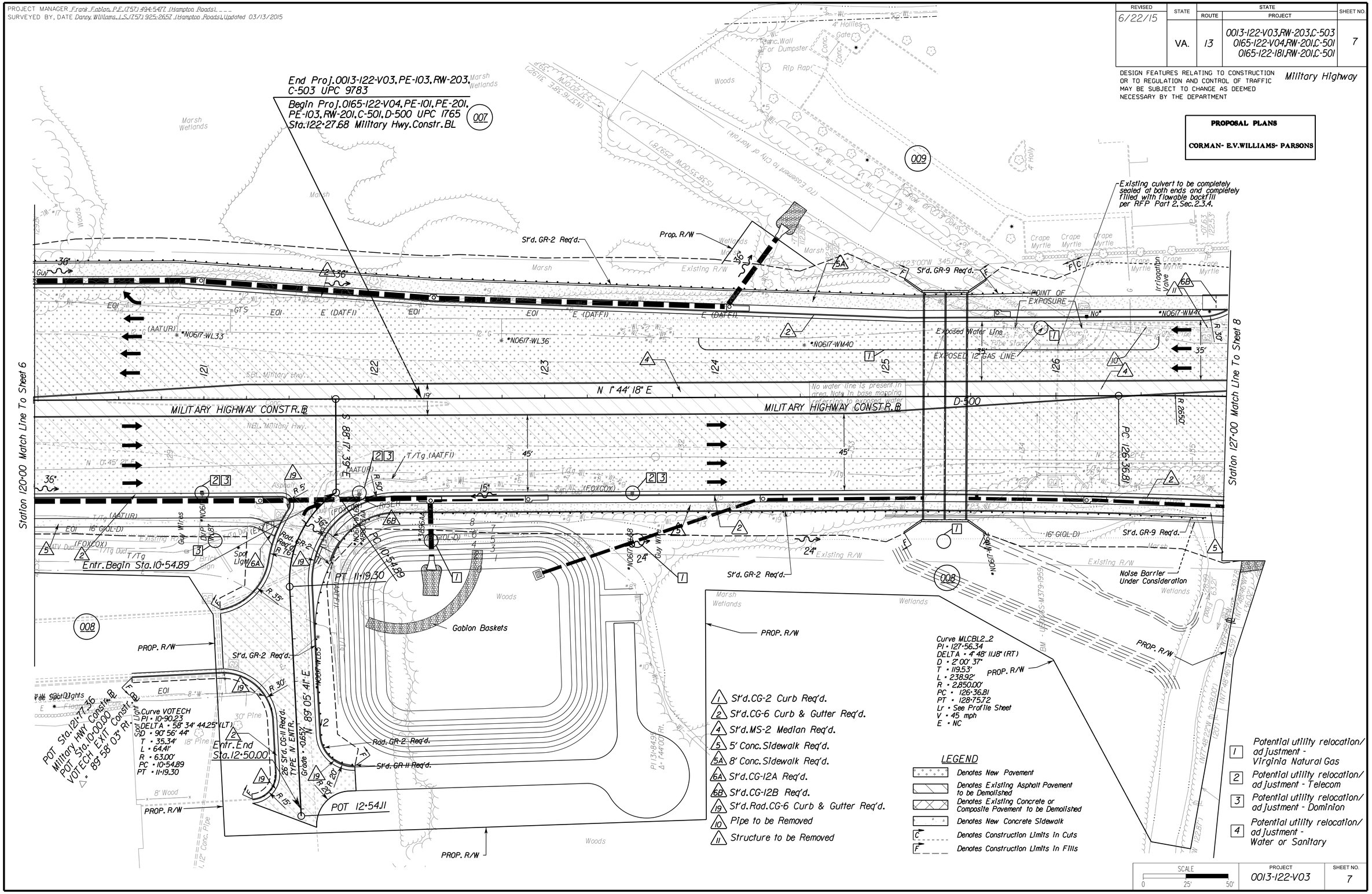
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
6/22/15	VA.	13	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	7

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

Military Highway

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS



PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads).
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

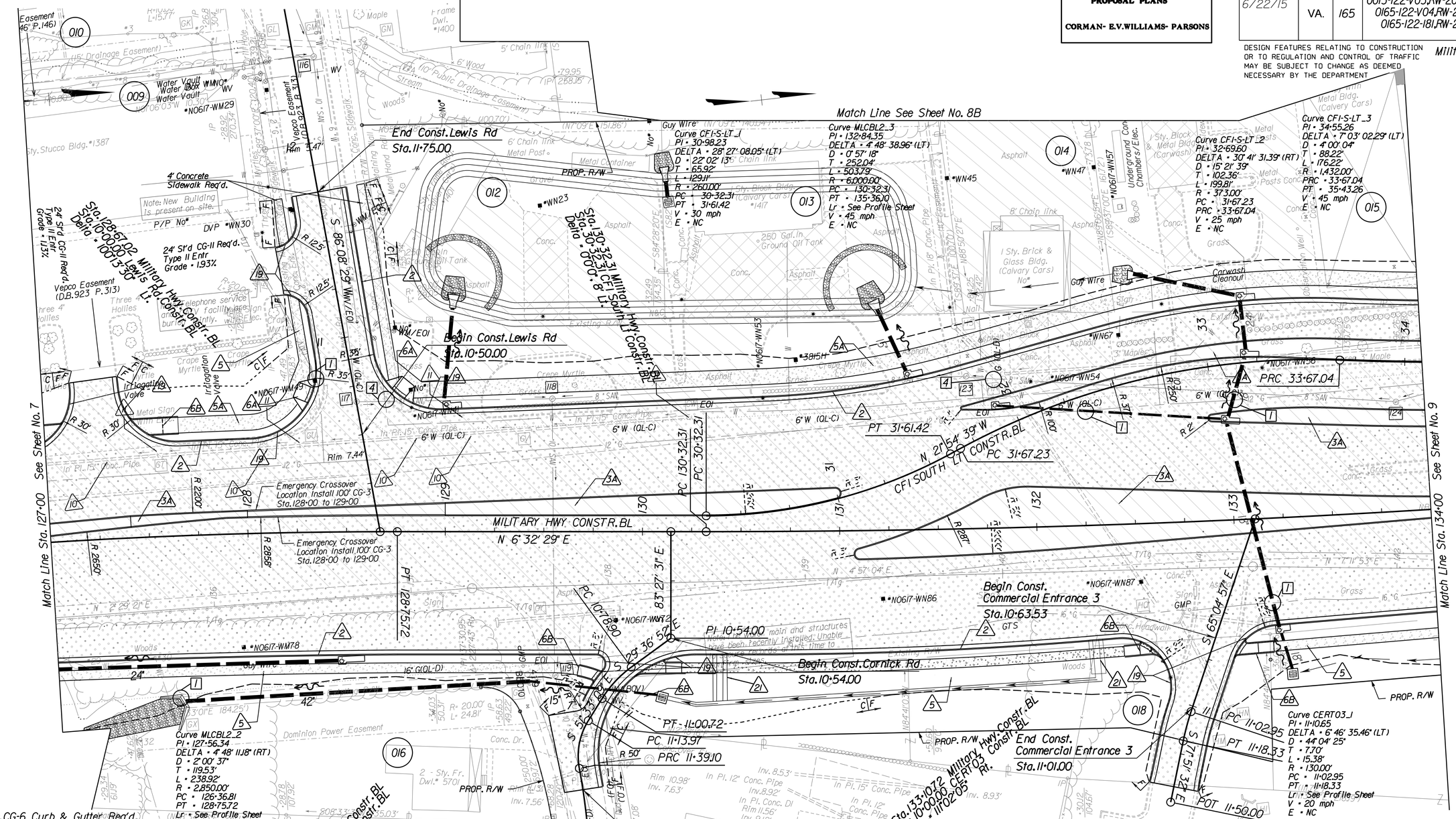
PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
5/8/15 6/1/15 6/22/15	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	8

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

Military Highway



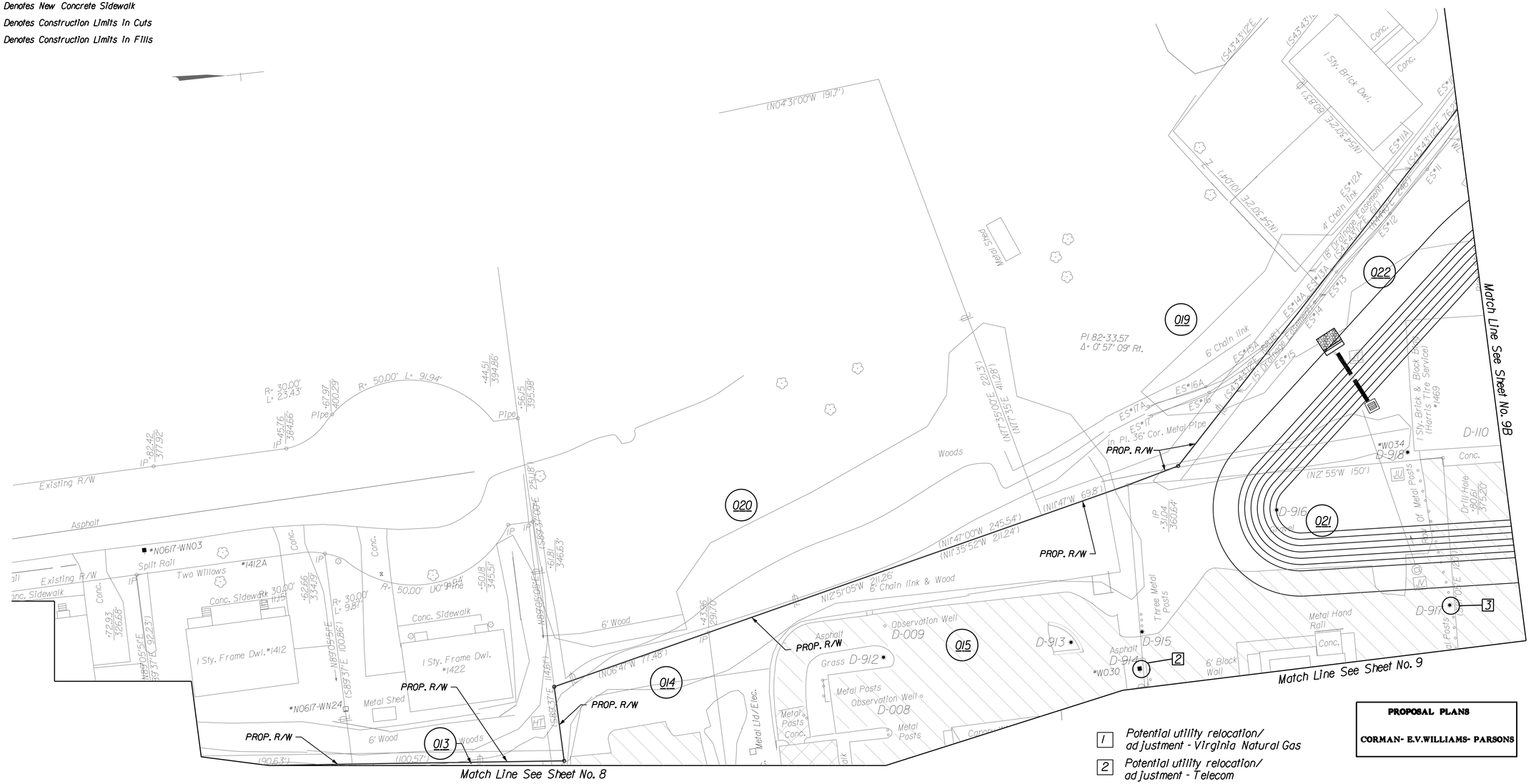
PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
5/8/15 6/22/15	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	8B

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

LEGEND

- Denotes New Pavement
- Denotes Existing Asphalt Pavement to be Demolished
- Denotes Existing Concrete or Composite Pavement to be Demolished
- Denotes New Concrete Sidewalk
- C — Denotes Construction Limits In Cuts
- F — Denotes Construction Limits In Fills



1 Potential utility relocation/ adjustment - Virginia Natural Gas

2 Potential utility relocation/ adjustment - Telecom

3 Potential utility relocation/ adjustment - Dominion

4 Potential utility relocation/ adjustment - Water or Sanitary

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

SCALE	PROJECT	SHEET NO.
0 25' 50'	0165-122-V04	8B

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

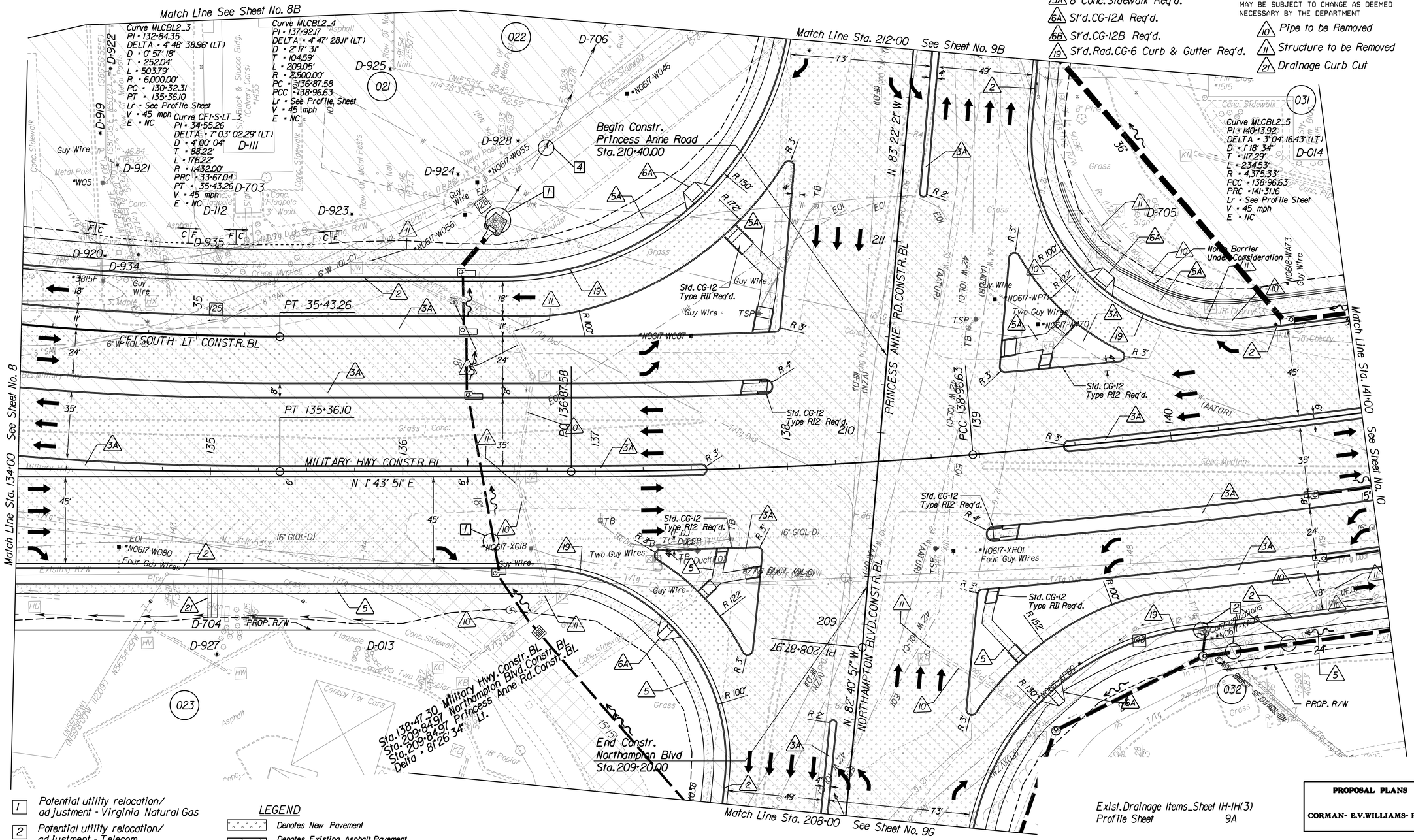
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
5/8/15	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	9

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

Military Highway

2 St'd.CG-6 Curb & Gutter Req'd.
3A St'd.MS-1A Median Req'd.
4 St'd.MS-2 Median Req'd.
5 5' Conc.Sidewalk Req'd.
5A 8' Conc.Sidewalk Req'd.
6A St'd.CG-12A Req'd.
6B St'd.CG-12B Req'd.
19 St'd.Rad.CG-6 Curb & Gutter Req'd.

10 Pipe to be Removed
11 Structure to be Removed
21 Drainage Curb Cut



1 Potential utility relocation/ adjustment - Virginia Natural Gas
2 Potential utility relocation/ adjustment - Telecom
3 Potential utility relocation/ adjustment - Dominion
4 Potential utility relocation/ adjustment - Water or Sanitary

LEGEND

Denotes New Pavement
Denotes Existing Asphalt Pavement to be Demolished
Denotes Existing Concrete or Composite Pavement to be Demolished
Denotes New Concrete Sidewalk
C Denotes Construction Limits In Cuts
Flow-Line Denotes Proposed Ditch
F Denotes Construction Limits In Fills

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

SCALE 0 25' 50'

PROJECT	SHEET NO.
0165-122-V04	9

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

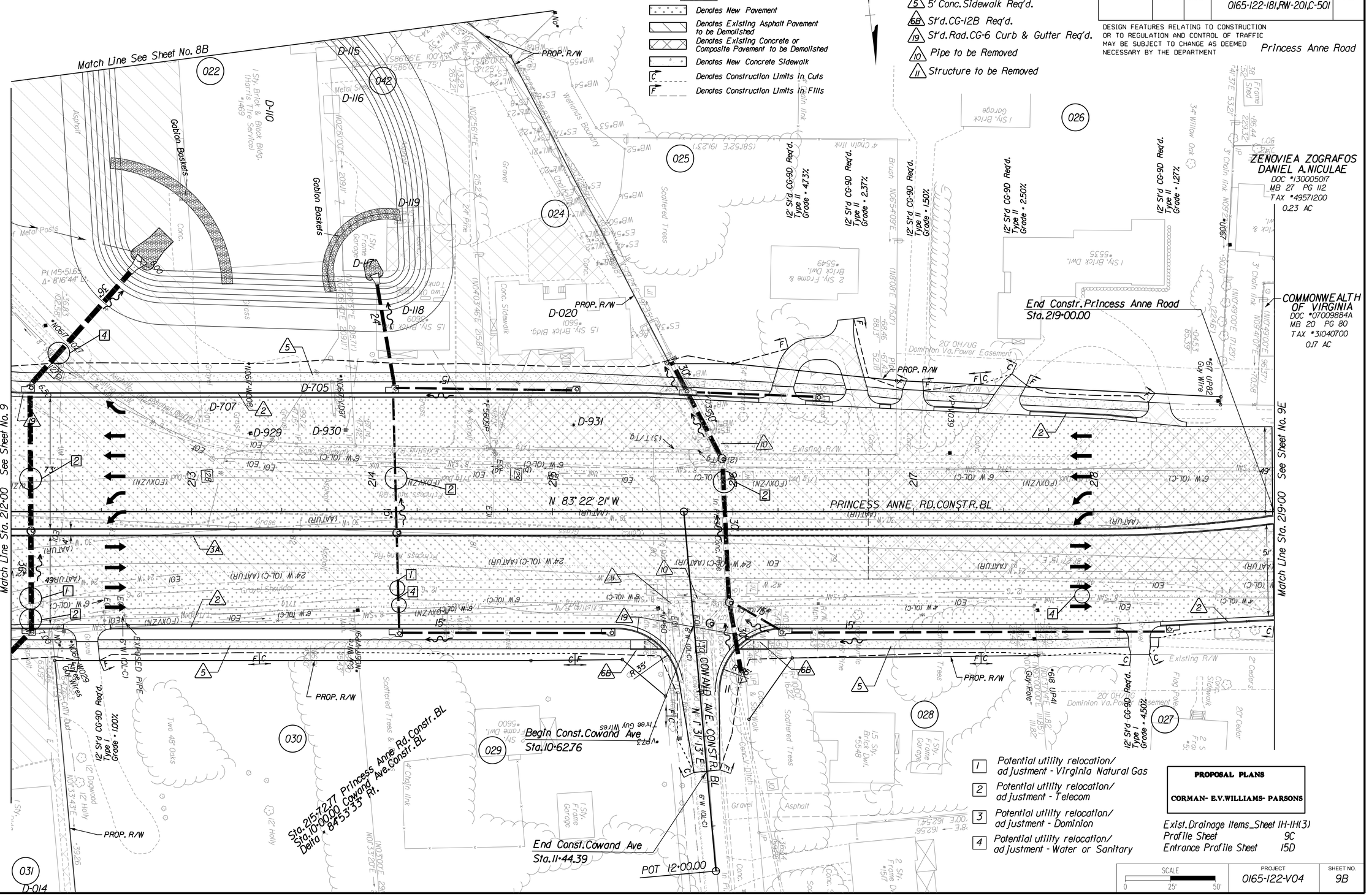
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	9B

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

LEGEND

- Denotes New Pavement
- Denotes Existing Asphalt Pavement to be Demolished
- Denotes Existing Concrete or Composite Pavement to be Demolished
- Denotes New Concrete Sidewalk
- C — Denotes Construction Limits in Cuts
- F — Denotes Construction Limits in Fills

2 St'd.CG-6 Curb & Gutter Req'd.
3A St'd.MS-1A Median Req'd.
5 5' Conc.Sidewalk Req'd.
6B St'd.CG-12B Req'd.
19 St'd.Rad.CG-6 Curb & Gutter Req'd.
10 Pipe to be Removed
11 Structure to be Removed



1 Potential utility relocation/ adjustment - Virginia Natural Gas
2 Potential utility relocation/ adjustment - Telecom
3 Potential utility relocation/ adjustment - Dominion
4 Potential utility relocation/ adjustment - Water or Sanitary

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

Exist.Drainage Items_Sheet 1H-1H(3)
Profile Sheet 9C
Entrance Profile Sheet 15D

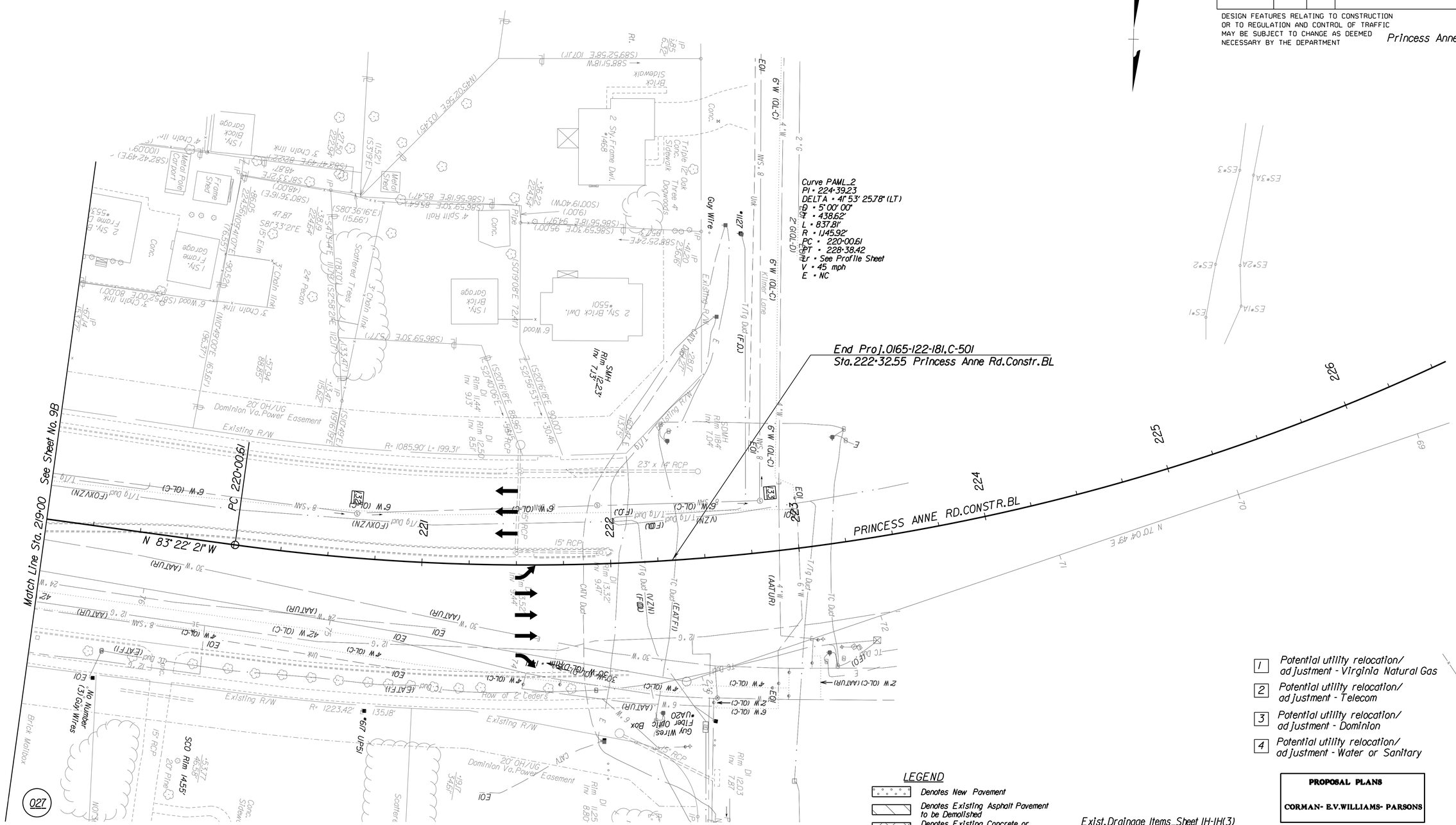
SCALE	PROJECT	SHEET NO.
0 25' 50'	0165-122-V04	9B

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	9E

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

Princess Anne Road



SCALE	PROJECT	SHEET NO.
0 25' 50'	0165-122-V04	9E

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

PROPOSAL PLANS

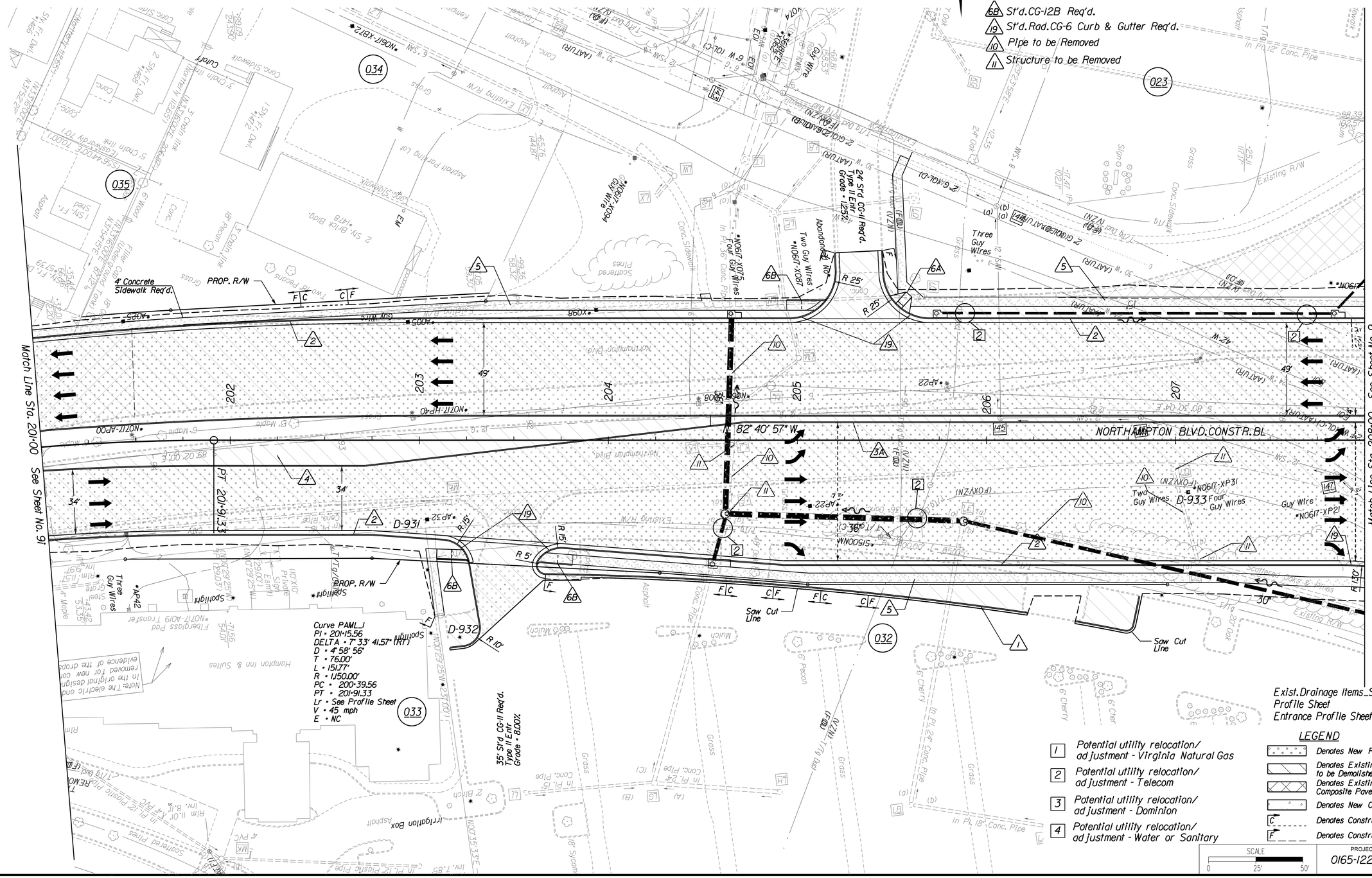
CORMAN- E.V.WILLIAMS- PARSONS

1. St'd.CG-2 Curb Req'd.
2. St'd.CG-6 Curb & Gutter Req'd.
3A. St'd.MS-1A Median Req'd.
4. St'd.MS-2 Median Req'd.
5. 5' Conc.Sidewalk Req'd.
6A. St'd.CG-12A Req'd.
6B. St'd.CG-12B Req'd.
19. St'd.Rad.CG-6 Curb & Gutter Req'd.
10. Pipe to be Removed
11. Structure to be Removed

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	9G

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

Northampton Blvd.



Exist.Drainage Items_Sheet IH-IH(3)
Profile Sheet 9H
Entrance Profile Sheet 15D

1. Potential utility relocation/ adjustment - Virginia Natural Gas
2. Potential utility relocation/ adjustment - Telecom
3. Potential utility relocation/ adjustment - Dominion
4. Potential utility relocation/ adjustment - Water or Sanitary

LEGEND

- Denotes New Pavement
- Denotes Existing Asphalt Pavement to be Demolished
- Denotes Existing Concrete or Composite Pavement to be Demolished
- Denotes New Concrete Sidewalk
- C Denotes Construction Limits In Cuts
- F Denotes Construction Limits In Fills

SCALE 0 25' 50'

PROJECT	SHEET NO.
0165-122-V04	9G

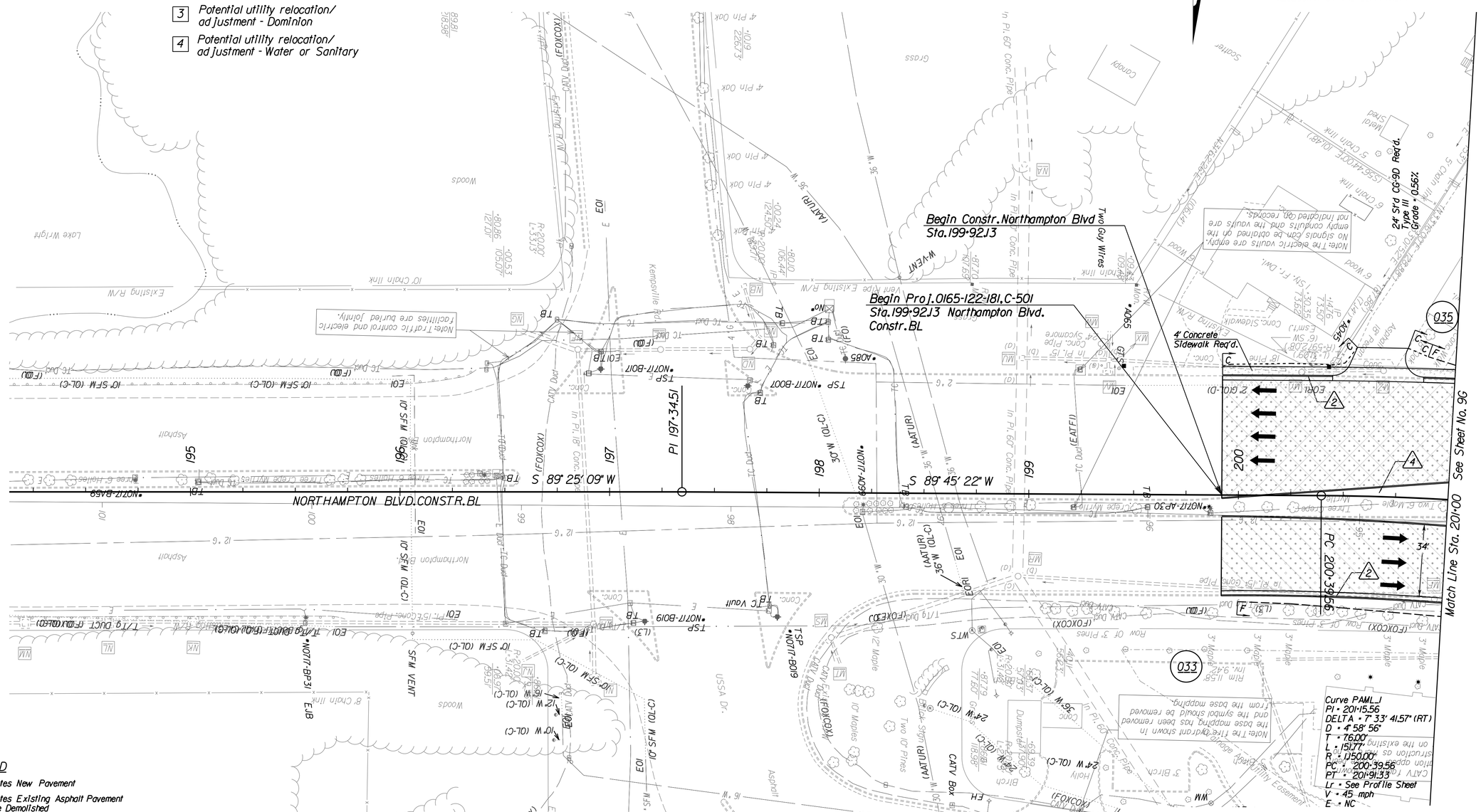
PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads).
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	91

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

Northampton Blvd.

1. Potential utility relocation/ adjustment - Virginia Natural Gas
2. Potential utility relocation/ adjustment - Telecom
3. Potential utility relocation/ adjustment - Dominion
4. Potential utility relocation/ adjustment - Water or Sanitary



LEGEND

- Denotes New Pavement
- Denotes Existing Asphalt Pavement to be Demolished
- Denotes Existing Concrete or Composite Pavement to be Demolished
- Denotes New Concrete Sidewalk
- C Denotes Construction Limits In Cuts
- F Denotes Construction Limits In Fills

2 St'd.CG-6 Curb & Gutter Req'd.
4 St'd.MS-2 Median Req'd.

SCALE	PROJECT	SHEET NO.
0 25' 50'	0165-122-V04	91

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
5/8/15 6/1/15	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	10

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

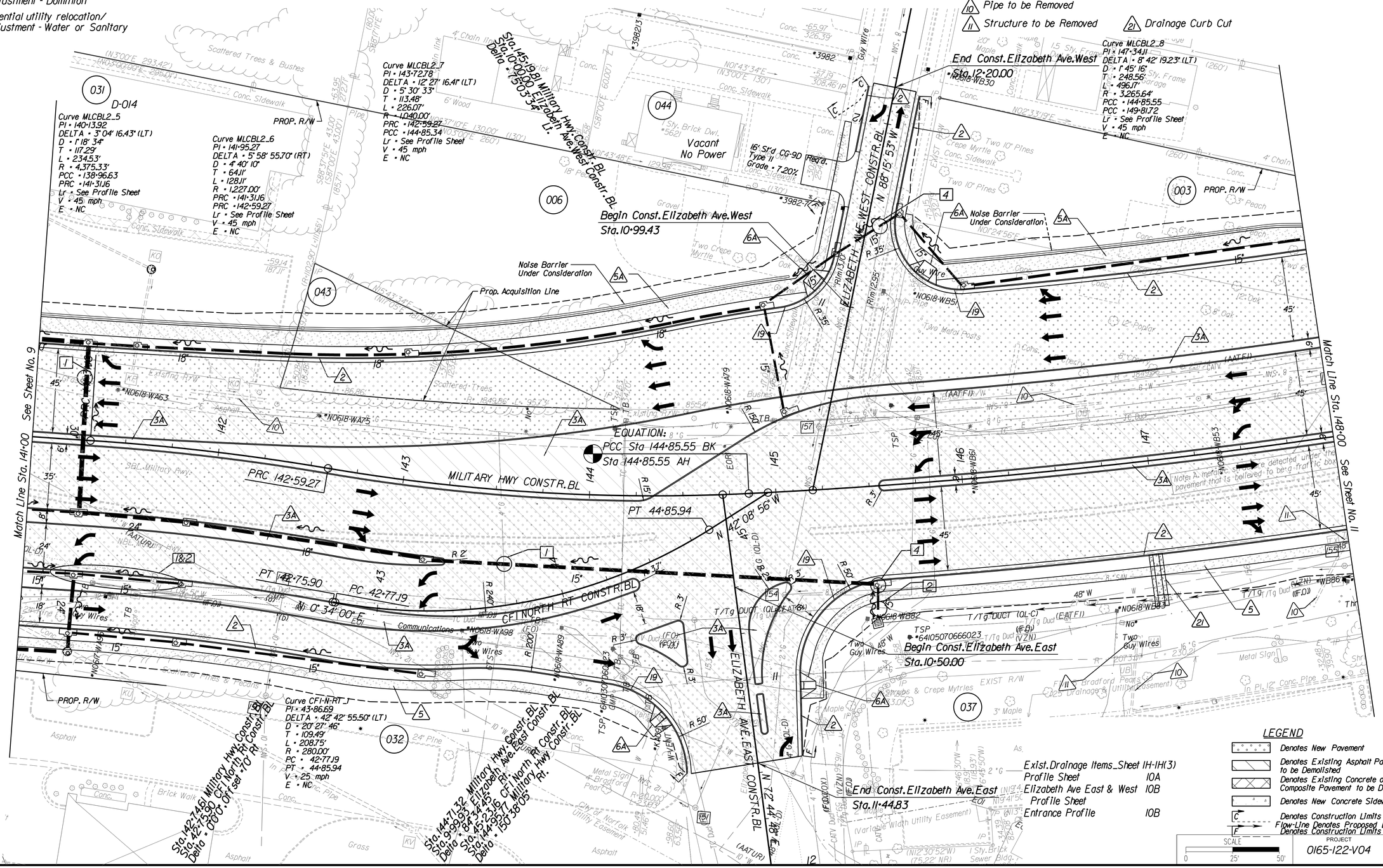
Military Highway

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

1. Potential utility relocation/ adjustment - Virginia Natural Gas
2. Potential utility relocation/ adjustment - Telecom
3. Potential utility relocation/ adjustment - Dominion
4. Potential utility relocation/ adjustment - Water or Sanitary

2 St'd.CG-6 Curb & Gutter Req'd.
3A St'd.MS-1A Median Req'd.
5 5' Conc.Sidewalk Req'd.
5A 8' Conc.Sidewalk Req'd.
6A St'd.CG-12A Req'd.
19 St'd.Rad.CG-6 Curb & Gutter Req'd.
10 Pipe to be Removed
11 Structure to be Removed
21 Drainage Curb Cut



LEGEND

- Denotes New Pavement
- Denotes Existing Asphalt Pavement to be Demolished
- Denotes Existing Concrete or Composite Pavement to be Demolished
- Denotes New Concrete Sidewalk
- C — Denotes Construction Limits In Cuts
- Flow-Line Denotes Proposed Ditch
- F — Denotes Construction Limits In Fills

Exist.Drainage Items_Sheet 1H-1H(3)	
Profile Sheet	10A
Elizabeth Ave East & West Profile Sheet	10B
Entrance Profile	10B

SCALE 0 25' 50'

PROJECT	SHEET NO.
0165-122-V04	10

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

1. Potential utility relocation/ adjustment - Virginia Natural Gas
2. Potential utility relocation/ adjustment - Telecom
3. Potential utility relocation/ adjustment - Dominion
4. Potential utility relocation/ adjustment - Water or Sanitary

2. St'd.CG-6 Curb & Gutter Req'd.
3A. St'd.MS-1A Median Req'd.
4. St'd.MS-2 Median Req'd.
5. 5' Conc.Sidewalk Req'd.
5A. 8' Conc.Sidewalk Req'd.
6A. St'd.CG-12A Req'd.
19. St'd.Rad.CG-6 Curb & Gutter Req'd.
10. Pipe to be Removed
11. Structure to be Removed
21. Drainage Curb Cut

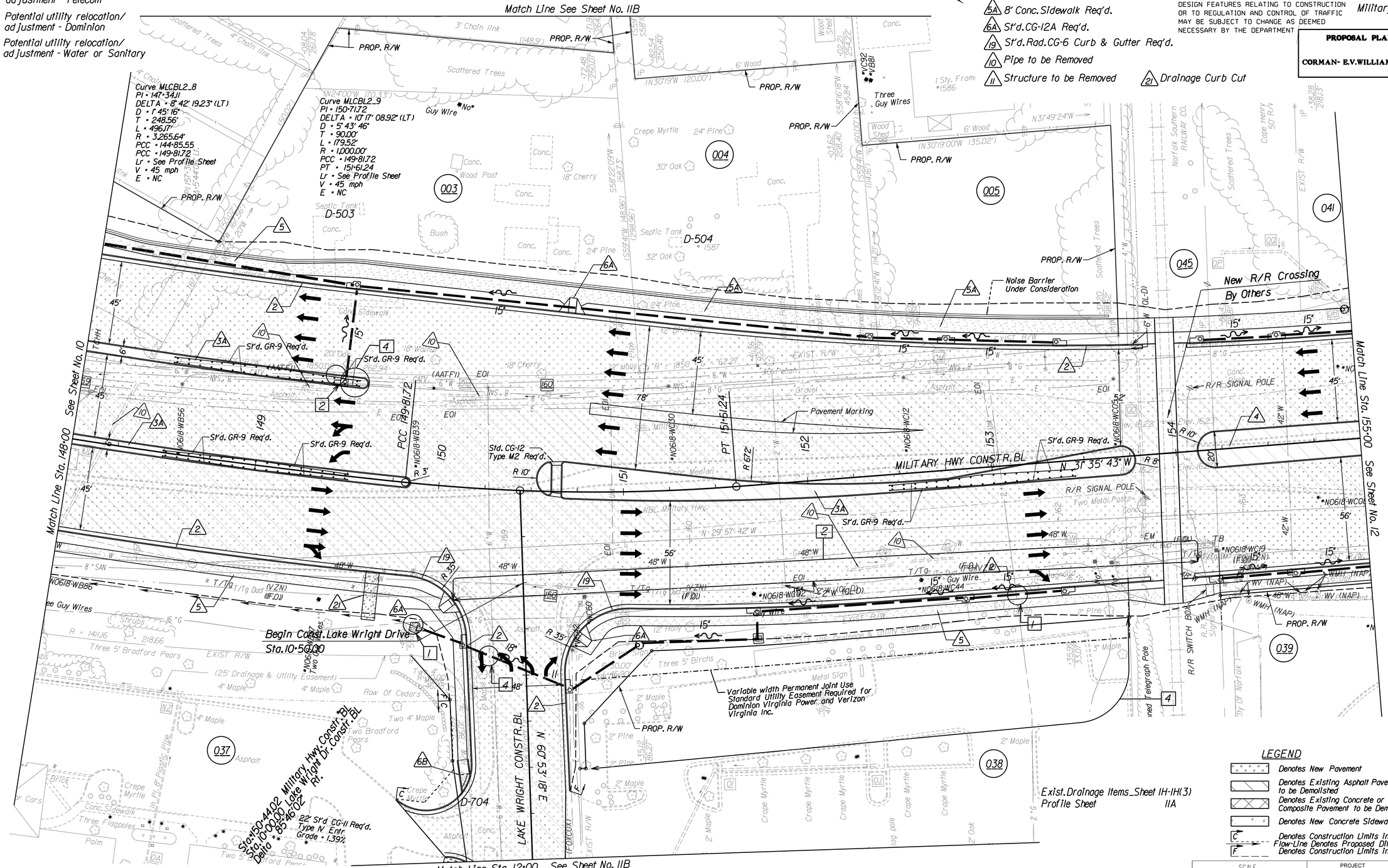
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
5/8/15 6/1/15	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	11

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

Military Highway

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS



LEGEND

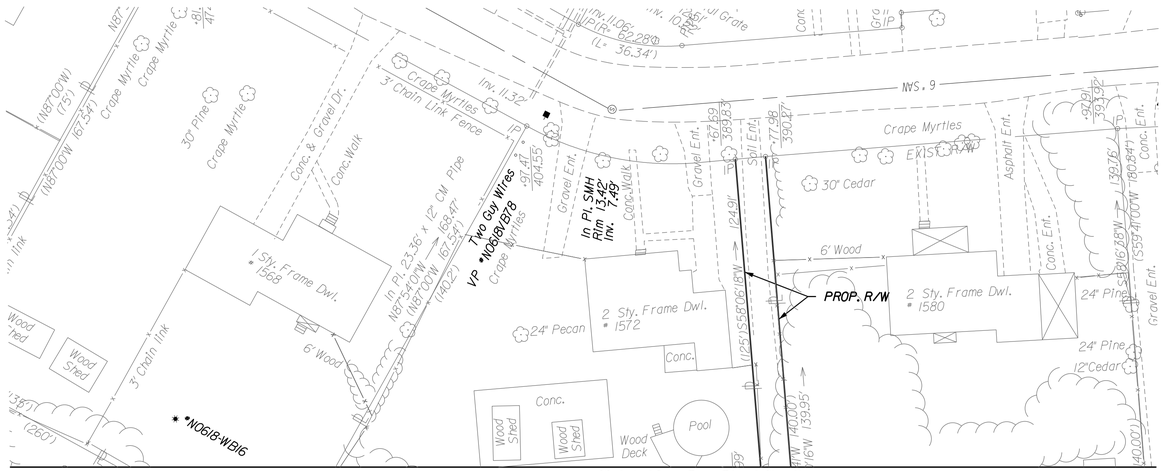
- Denotes New Pavement
- Denotes Existing Asphalt Pavement to be Demolished
- Denotes Existing Concrete or Composite Pavement to be Demolished
- Denotes New Concrete Sidewalk
- C — Denotes Construction Limits in Cuts
- Flow-Line Denotes Proposed Ditch
- F — Denotes Construction Limits in Fills

SCALE	PROJECT	SHEET NO.
0 25' 50'	0165-122-V04	11

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	11B

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



Match Line See Sheet No. 11

1 Potential utility relocation/ adjustment - Virginia Natural Gas

2 Potential utility relocation/ adjustment - Telecom

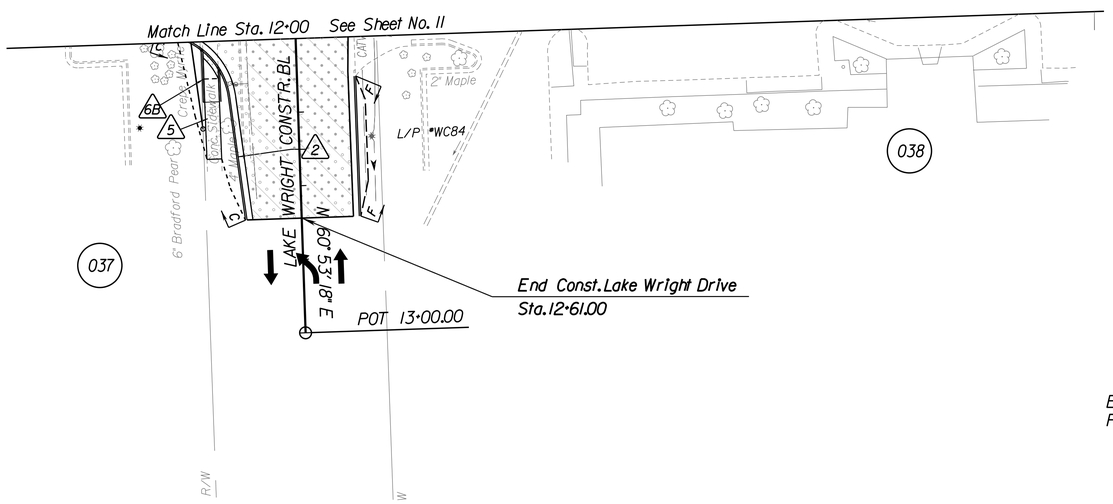
3 Potential utility relocation/ adjustment - Dominion

4 Potential utility relocation/ adjustment - Water or Sanitary

2 St'd.CG-6 Curb & Gutter Req'd.

5 5' Conc. Sidewalk Req'd.

6B St'd.CG-12B Req'd.



LEGEND

- Denotes New Pavement
- Denotes Existing Asphalt Pavement to be Demolished
- Denotes Existing Concrete or Composite Pavement to be Demolished
- Denotes New Concrete Sidewalk
- C — Denotes Construction Limits In Cuts
- F — Denotes Construction Limits In Fills

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

Exist. Drainage Items_Sheet 1H-1H(3)
Profile Sheet 11A

SCALE	PROJECT	SHEET NO.
0 25' 50'	0165-122-V04	11B

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads).
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
5/8/15 6/22/15	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	12

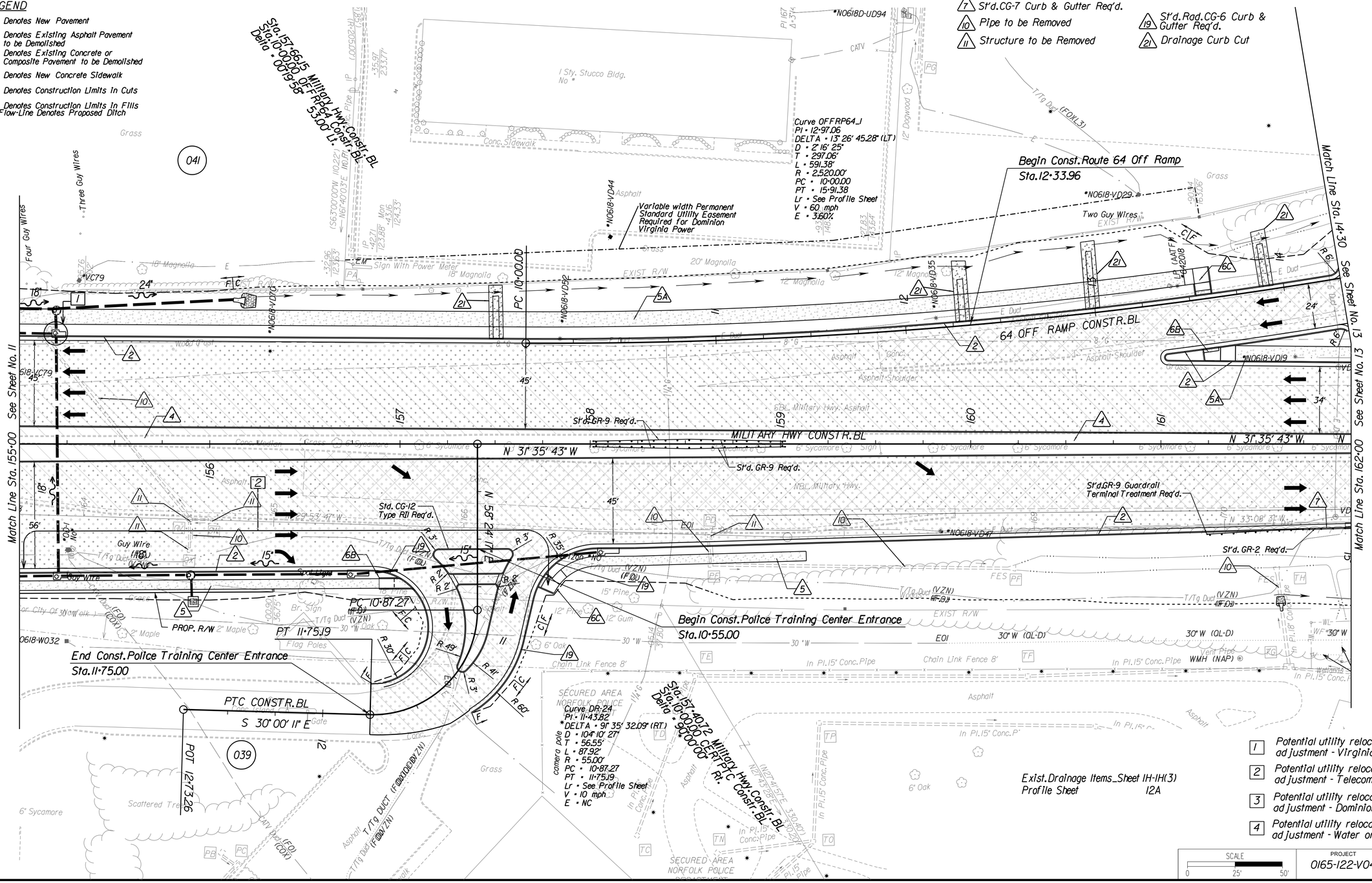
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Military Highway

2 St'd.CG-6 Curb & Gutter Req'd.
4 St'd.MS-2 Median Req'd.
5 5' Conc.Sidewalk Req'd.
5A 8' Conc.Sidewalk Req'd.
6B St'd.CG-12B Req'd.
6C St'd.CG-12C Req'd.
7 St'd.CG-7 Curb & Gutter Req'd.
10 Pipe to be Removed
11 Structure to be Removed
19 St'd.Rad.CG-6 Curb & Gutter Req'd.
21 Drainage Curb Cut

LEGEND

- Denotes New Pavement
- Denotes Existing Asphalt Pavement to be Demolished
- Denotes Existing Concrete or Composite Pavement to be Demolished
- Denotes New Concrete Sidewalk
- C — Denotes Construction Limits In Cuts
- F — Denotes Construction Limits In Fills
- Flow-Line Denotes Proposed Ditch



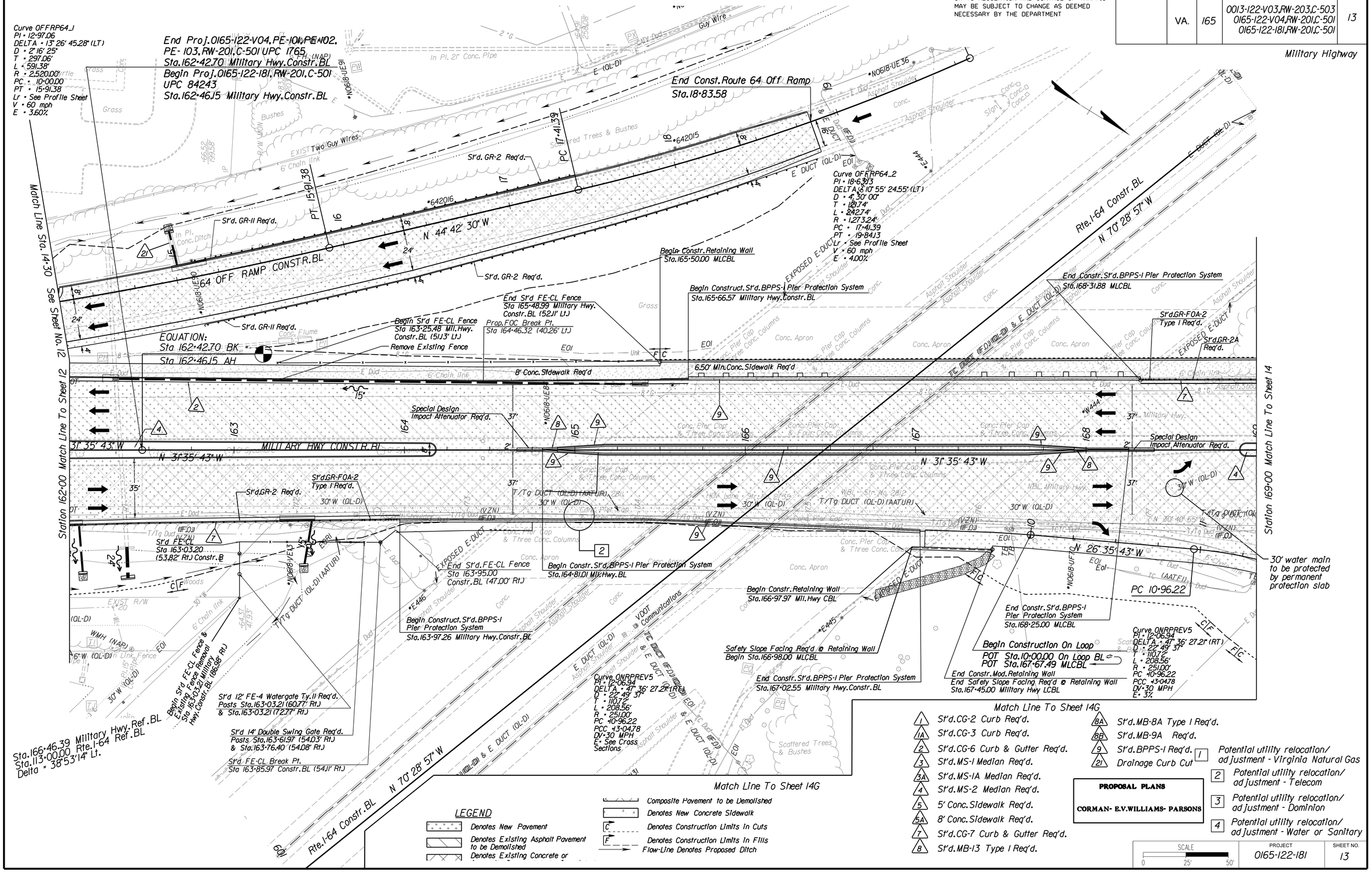
SCALE	PROJECT	SHEET NO.
0 25' 50'	0165-122-V04	12

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
6/22/15	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	13

Military Highway



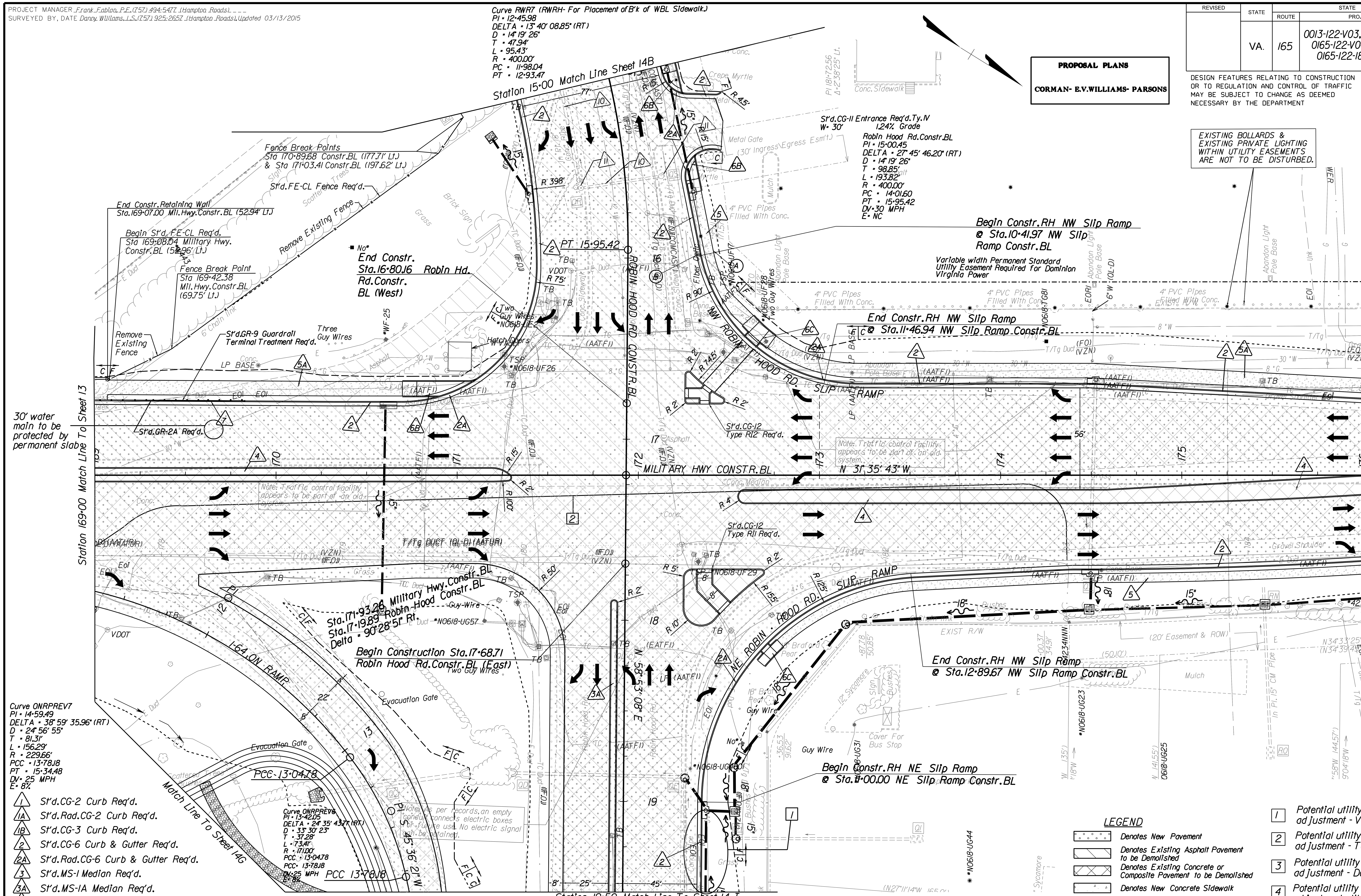
PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	14

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

Military Highway

PROPOSAL PLANS
CORMAN- E.V.WILLIAMS- PARSONS



(1) St'd.CG-2 Curb Req'd.
(1A) St'd.Rad.CG-2 Curb Req'd.
(1B) St'd.CG-3 Curb Req'd.
(2) St'd.CG-6 Curb & Gutter Req'd.
(2A) St'd.Rad.CG-6 Curb & Gutter Req'd.
(3) St'd.MS-1 Median Req'd.
(3A) St'd.MS-1A Median Req'd.
(4) St'd.MS-2 Median Req'd.
(5) 5' Conc.Sidewalk Req'd.
(5A) 8' Conc.Sidewalk Req'd.
(6A) St'd.CG-12A Curb Ramp Req'd.
(6B) St'd.CG-12B Req'd.
(6C) St'd.CG-12C Req'd.
(6S) St'd.CG-12 Detectable Warning Surface Req'd. In Shoulder Area.
(7) St'd.CG-7 Curb & Gutter Req'd.
(10) Pipe to be Removed
(11) Structure to be Removed

LEGEND
- Denotes New Pavement
- Denotes Existing Asphalt Pavement to be Demolished
- Denotes Existing Concrete or Composite Pavement to be Demolished
- Denotes New Concrete Sidewalk
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

[1] Potential utility relocation/ adjustment - Virginia Natural Gas
[2] Potential utility relocation/ adjustment - Telecom
[3] Potential utility relocation/ adjustment - Dominion
[4] Potential utility relocation/ adjustment - Water or Sanitary

SCALE 0 25' 50'

PROJECT	SHEET NO.
0165-122-181	14

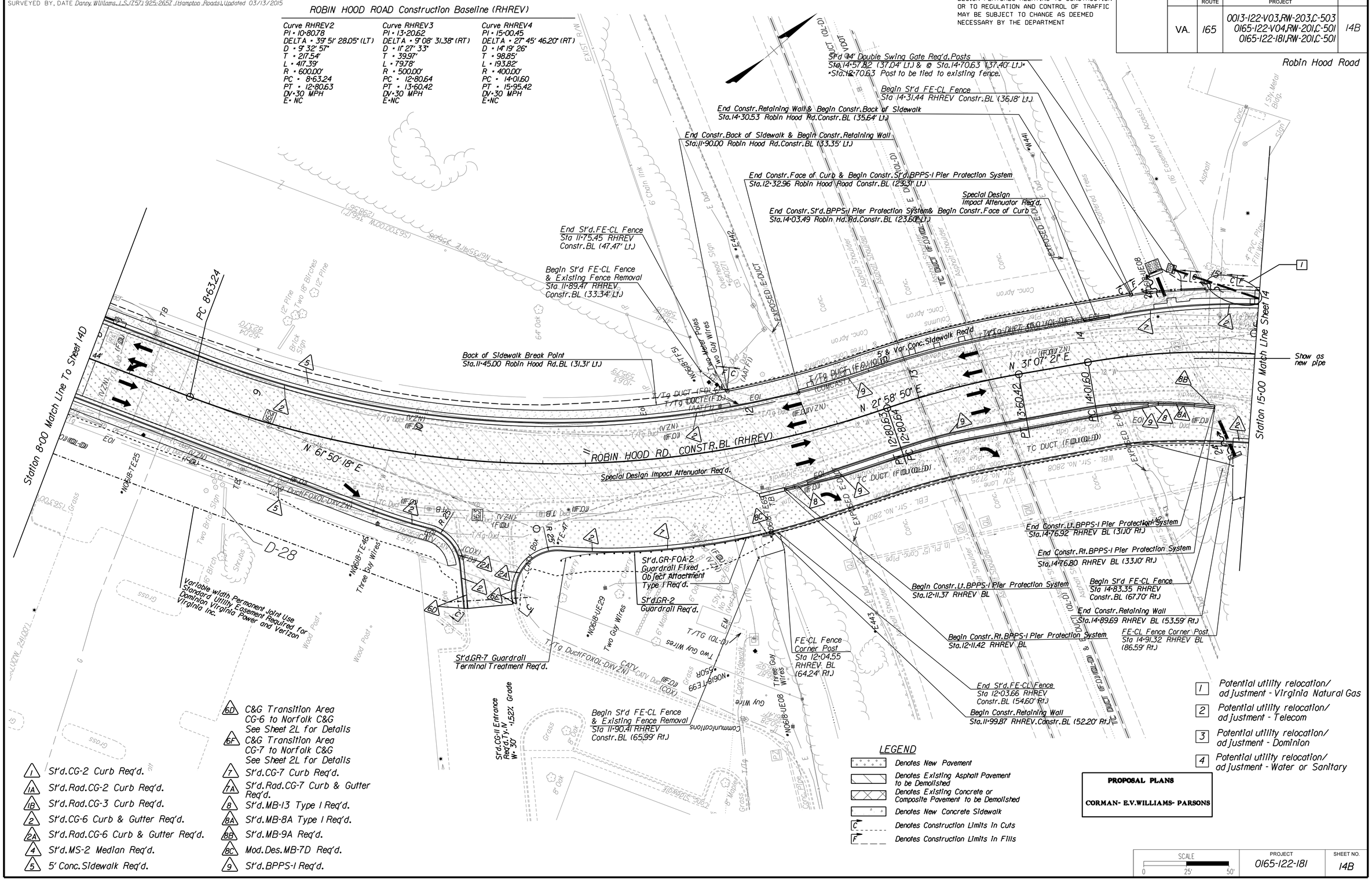
PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

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

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	14B

ROBIN HOOD ROAD Construction Baseline (RHREV)

Curve RHREV2	Curve RHREV3	Curve RHREV4
PI = 10+80.78	PI = 13+20.62	PI = 15+00.45
DELTA = 39° 51' 28.05" (LT)	DELTA = 9°08' 31.38" (RT)	DELTA = 27° 45' 46.20" (RT)
D = 9° 32' 57"	D = 11° 27' 33"	D = 14° 19' 26"
T = 217.54'	T = 39.97'	T = 98.85'
L = 417.39'	L = 79.78'	L = 193.82'
R = 600.00'	R = 500.00'	R = 400.00'
PC = 8+63.24	PC = 12+80.64	PC = 14+01.60
PT = 12+80.63	PT = 13+60.42	PT = 15+95.42
DV=30 MPH	DV=30 MPH	DV=30 MPH
E=NC	E=NC	E=NC



1	St'd.CG-2 Curb Req'd.
1A	St'd.Rad.CG-2 Curb Req'd.
1B	St'd.Rad.CG-3 Curb Req'd.
2	St'd.CG-6 Curb & Gutter Req'd.
2A	St'd.Rad.CG-6 Curb & Gutter Req'd.
4	St'd.MS-2 Median Req'd.
5	5' Conc.Sidewalk Req'd.
6D	C&G Transition Area CG-6 to Norfolk C&G See Sheet 2L for Details
6F	C&G Transition Area CG-7 to Norfolk C&G See Sheet 2L for Details
7	St'd.CG-7 Curb Req'd.
7A	St'd.Rad.CG-7 Curb & Gutter Req'd.
8	St'd.MB-13 Type I Req'd.
8A	St'd.MB-8A Type I Req'd.
8B	St'd.MB-9A Req'd.
8C	Mod.Des.MB-7D Req'd.
9	St'd.BPPS-I Req'd.

1	Potential utility relocation/ adjustment - Virginia Natural Gas
2	Potential utility relocation/ adjustment - Telecom
3	Potential utility relocation/ adjustment - Dominion
4	Potential utility relocation/ adjustment - Water or Sanitary

LEGEND

- Denotes New Pavement
- Denotes Existing Asphalt Pavement to be Demolished
- Denotes Existing Concrete or Composite Pavement to be Demolished
- Denotes New Concrete Sidewalk
- C — Denotes Construction Limits In Cuts
- F — Denotes Construction Limits In Fills

PROPOSAL PLANS

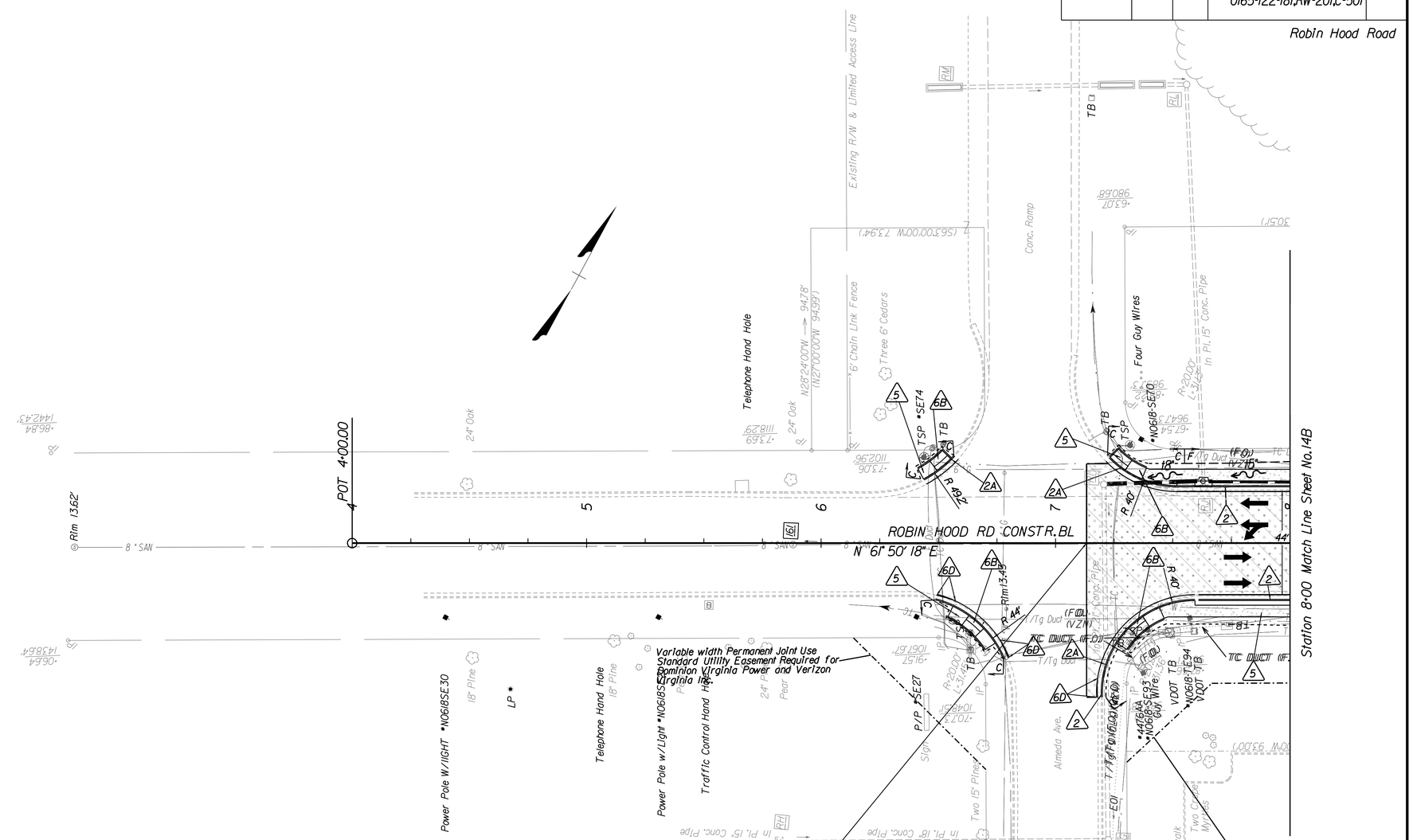
CORMAN- E.V.WILLIAMS- PARSONS

SCALE	PROJECT	SHEET NO.
0 25' 50'	0165-122-181	14B

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	14D



1	Potential utility relocation/ adjustment - Virginia Natural Gas
2	Potential utility relocation/ adjustment - Telecom
3	Potential utility relocation/ adjustment - Dominion
4	Potential utility relocation/ adjustment - Water or Sanitary

1	St'd.CG-2 Curb Req'd.
1A	St'd.Rad.CG-2 Curb Req'd.
2	St'd.CG-6 Curb & Gutter Req'd.
2A	St'd.Rad.CG-6 Curb & Gutter Req'd.
3	St'd.MS-1 Median Req'd.
3A	St'd.MS-1A Median Req'd.
4	St'd.MS-2 Median Req'd.
5	5' Conc.Sidewalk Req'd.
6A	St'd.CG-12A Curb Ramp Req'd.
6B	St'd.CG-12B Req'd.
6C	St'd.CG-12C Req'd.
6D	Curb Transition Area CG-6 to Norfolk C&G (See Detail Sheet 2L)

LEGEND

- Denotes New Pavement
- Denotes Existing Asphalt Pavement to be Demolished
- Denotes Existing Concrete or Composite Pavement to be Demolished
- Denotes New Concrete Sidewalk
- C — Denotes Construction Limits In Cuts
- F — Denotes Construction Limits In Fills

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

SCALE	PROJECT	SHEET NO.
0 25' 50'	0165-122-181	14D

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	14G

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

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

1 Potential utility relocation/ adjustment - Virginia Natural Gas

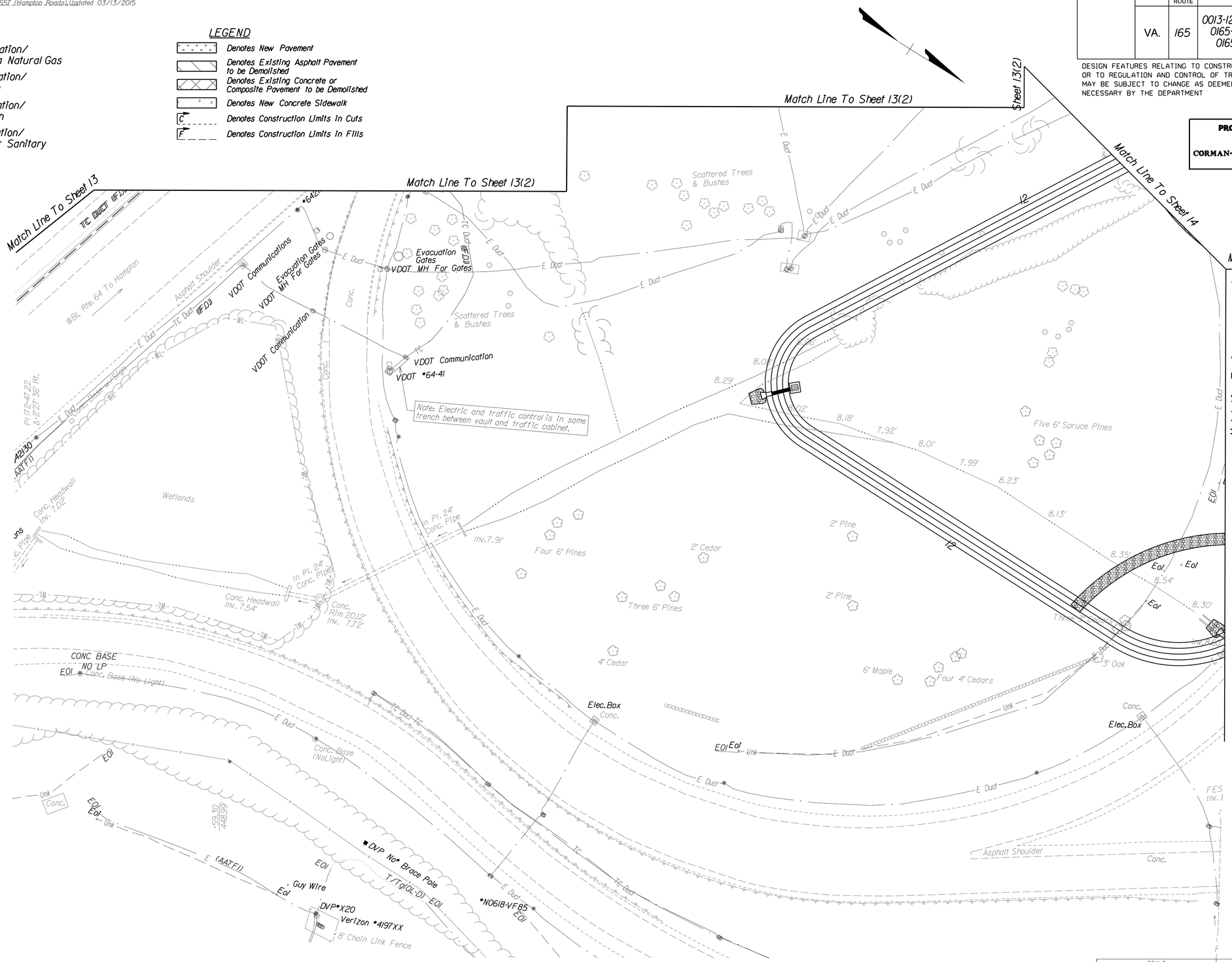
2 Potential utility relocation/ adjustment - Telecom

3 Potential utility relocation/ adjustment - Dominion

4 Potential utility relocation/ adjustment - Water or Sanitary

LEGEND

- Denotes New Pavement
- Denotes Existing Asphalt Pavement to be Demolished
- Denotes Existing Concrete or Composite Pavement to be Demolished
- Denotes New Concrete Sidewalk
- C — Denotes Construction Limits In Cuts
- F — Denotes Construction Limits In Fills



SCALE	PROJECT	SHEET NO.
0 25' 50'	0165-122-181	14G

PROJECT MANAGER Frank Fabian, P.E. (757) 494-5477 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

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

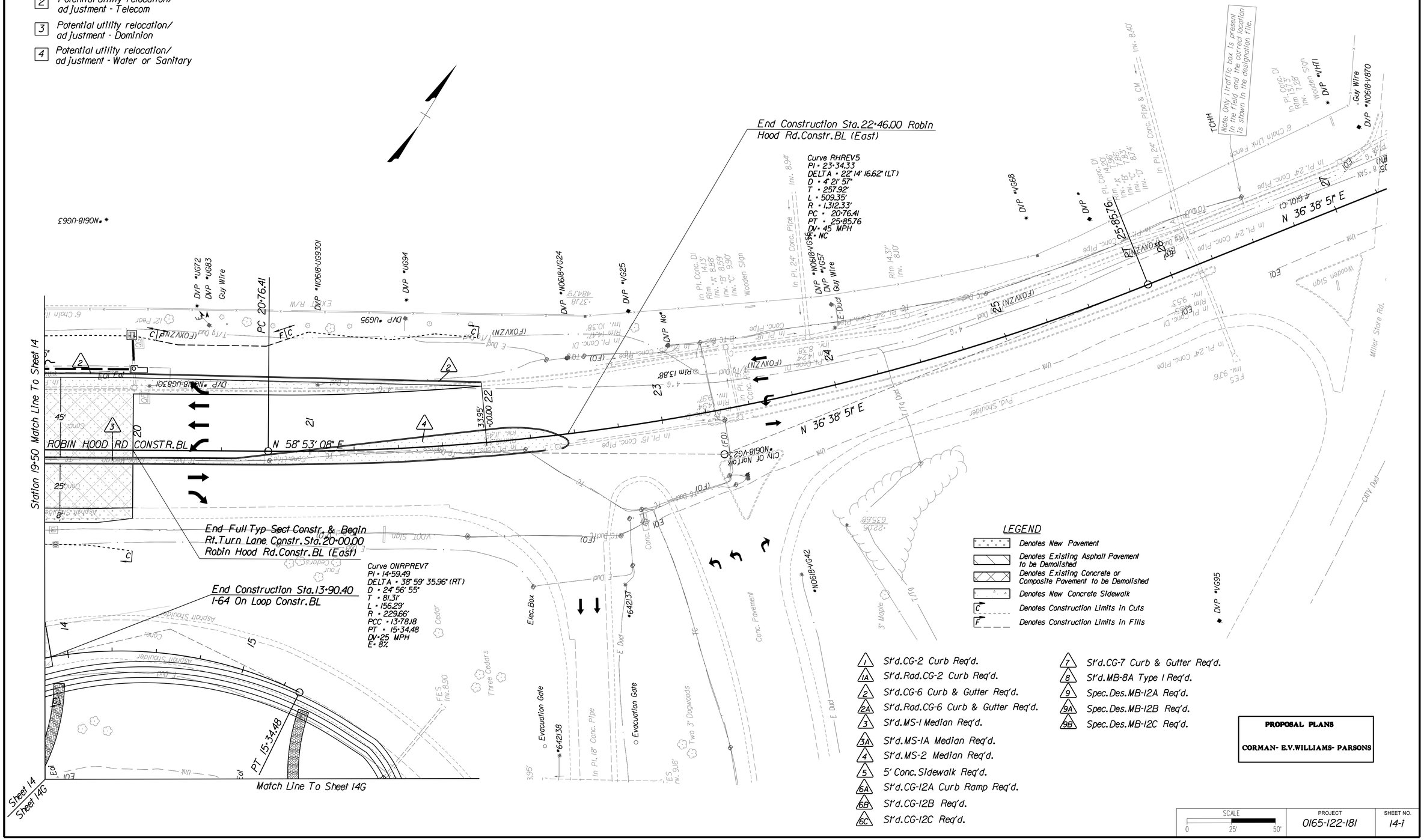
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
6/19/15	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	14-1

1 Potential utility relocation/ adjustment - Virginia Natural Gas

2 Potential utility relocation/ adjustment - Telecom

3 Potential utility relocation/ adjustment - Dominion

4 Potential utility relocation/ adjustment - Water or Sanitary

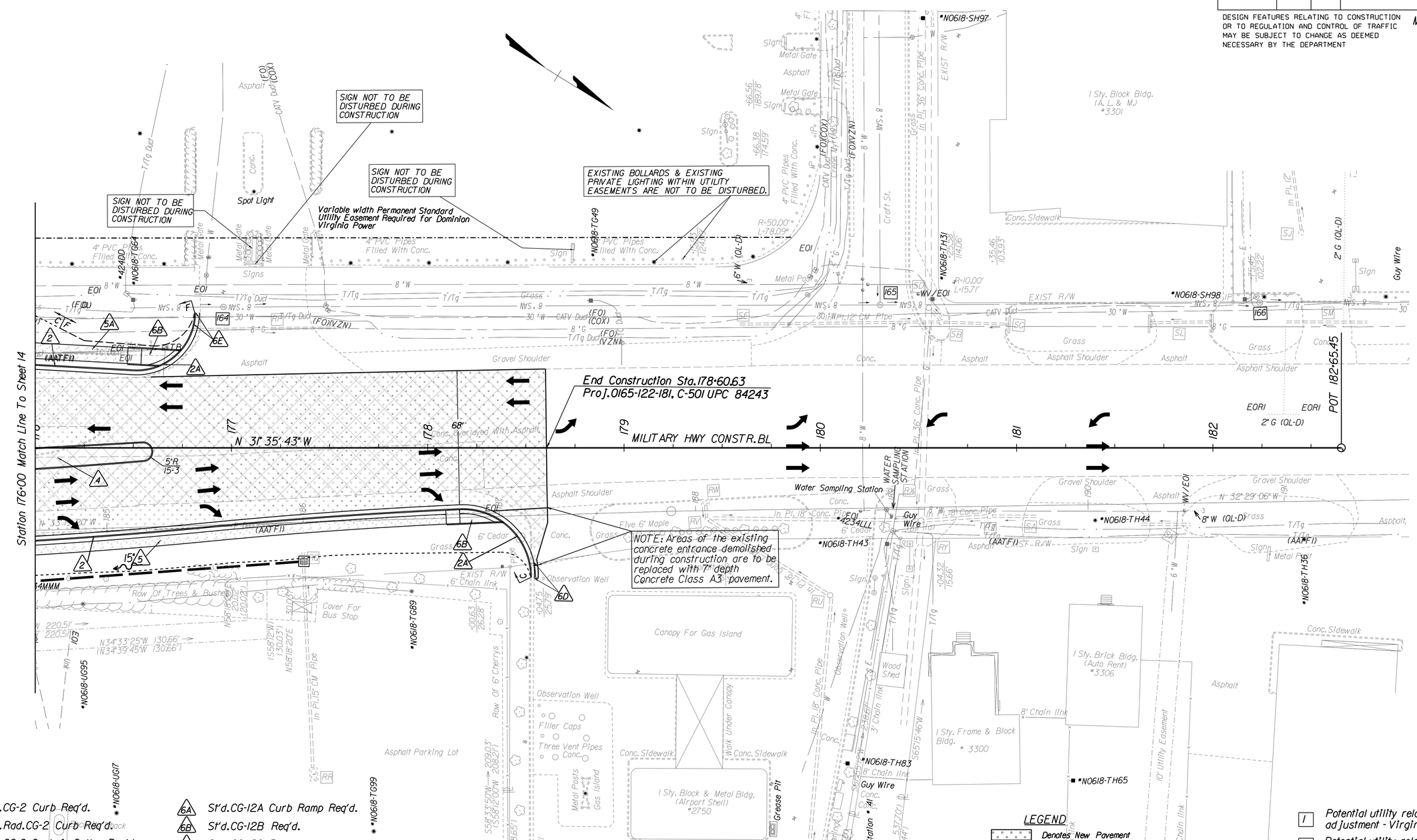


PROJECT MANAGER Frank Fabian, P.E. (757) 494-5471 (Hampton Roads)
SURVEYED BY, DATE Danny Williams, L.S. (757) 925-2657 (Hampton Roads), Updated 03/13/2015

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	165	0013-122-V03,RW-203,C-503 0165-122-V04,RW-201,C-501 0165-122-181,RW-201,C-501	15

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

Military Highway



1 St'd.CG-2 Curb Req'd.
1A St'd.Rad.CG-2 Curb Req'd.
2 St'd.CG-6 Curb & Gutter Req'd.
2A St'd.Rad.CG-6 Curb & Gutter Req'd.
3 St'd.MS-1 Median Req'd.
3A St'd.MS-1A Median Req'd.
4 St'd.MS-2 Median Req'd.
5 5' Conc.Sidewalk Req'd.
5A 8' Conc.Sidewalk Req'd.
6A St'd.CG-12A Curb Ramp Req'd.
6B St'd.CG-12B Req'd.
6C St'd.CG-12C Req'd.
6D C&G Transition Area CG-6 to Norfolk C&G
6E CG-6 Curb Warp Down Area

PROPOSAL PLANS

CORMAN- E.V.WILLIAMS- PARSONS

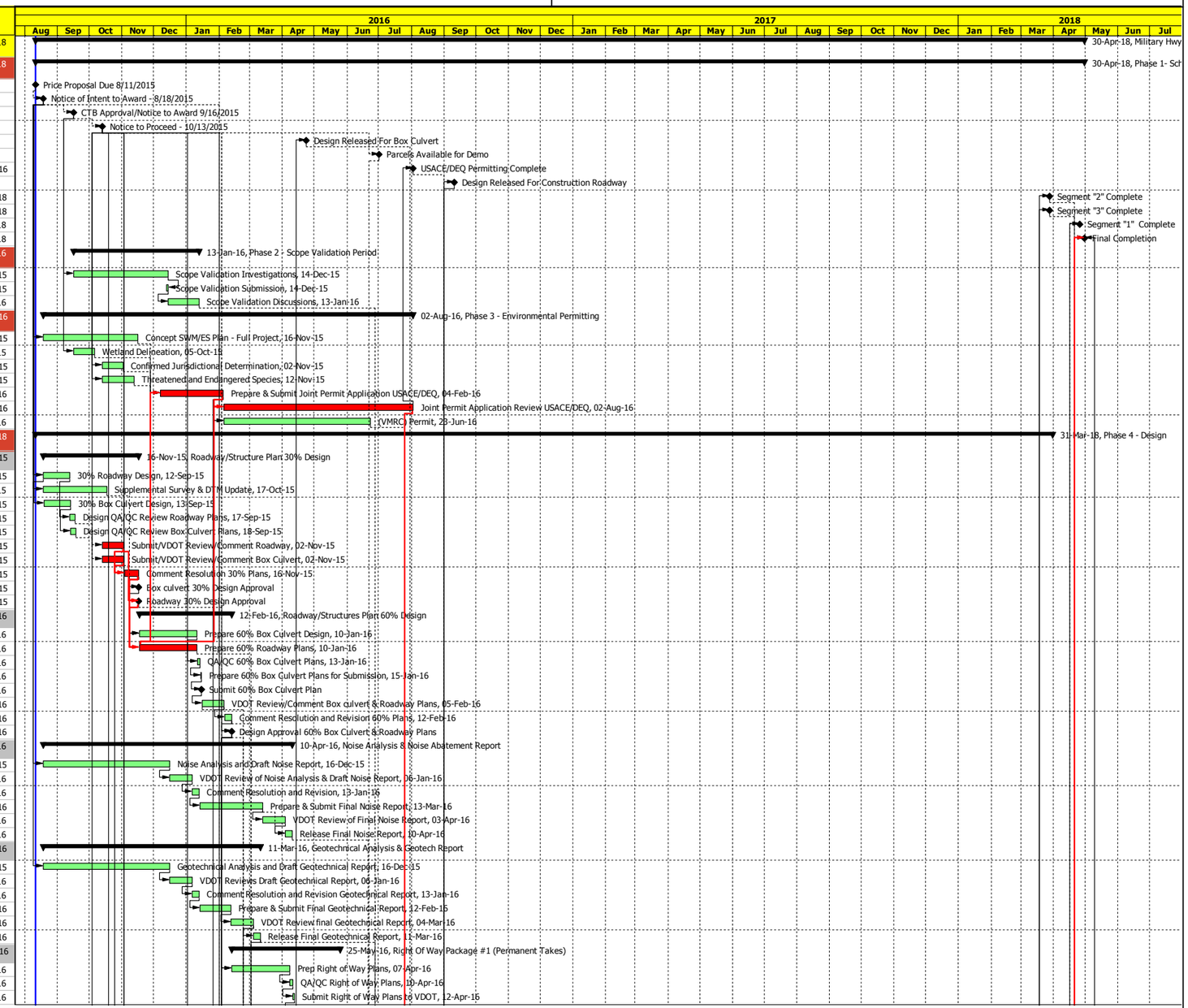
LEGEND
- Denotes New Pavement
- Denotes Existing Asphalt Pavement to be Demolished
- Denotes Existing Concrete or Composite Pavement to be Demolished
- Denotes New Concrete Sidewalk
- C Denotes Construction Limits In Cuts
- F Denotes Construction Limits In Fills

1 Potential utility relocation/ adjustment - Virginia Natural Gas
2 Potential utility relocation/ adjustment - Telecom
3 Potential utility relocation/ adjustment - Dominion
4 Potential utility relocation/ adjustment - Water or Sanitary

SCALE	PROJECT	SHEET NO.
0 25' 50'	0165-122-V04	15

Military Highway Continuous Flow Intersection | VDOT Project # 0165-122-V04, 1765, 612 | City of Norfolk, Virginia

Activity ID	Activity Name	Original Duration	Total Float	Early Start	Early Finish
Military Hwy CFI		710	0	11-Aug-15	30-Apr-18
Phase 1- Schedule Milestones		710	0	11-Aug-15	30-Apr-18
M110	Price Proposal Due 8/11/2015	0	0	11-Aug-15	
M120	Notice of Intent to Award - 8/18/2015	0	0	18-Aug-15	
M130	CTB Approval/Notice to Award 9/16/2015	0	0	16-Sep-15	
M140	Notice to Proceed - 10/13/2015	0	0	13-Oct-15	
M150	Design Released For Box Culvert	0	109	23-Apr-16	
CCB115	Parcels Available for Demo	0	122	01-Jul-16	
M170	USACE/DEQ Permitting Complete	0	58		02-Aug-16
M160	Design Released For Construction Roadway	0	20	10-Sep-16	
CD340	Segment "2" Complete	0	3		28-Mar-18
CD360	Segment "3" Complete	0	33		28-Mar-18
CE1110	Segment "1" Complete	0	5		25-Apr-18
M180	Final Completion	0	0		30-Apr-18
Phase 2 - Scope Validation Period		86	138	16-Sep-15	13-Jan-16
SV100	Scope Validation Investigations	90	193	16-Sep-15	14-Dec-15
SV110	Scope Validation Submission	1	193	13-Dec-15	14-Dec-15
SV120	Scope Validation Discussions	30	193	14-Dec-15	13-Jan-16
Phase 3 - Environmental Permitting		250	1	18-Aug-15	02-Aug-16
EP100	Concept SWM/ES Plan - Full Project	90	22	18-Aug-15	16-Nov-15
DRW460	Wetland Delineation	20	63	16-Sep-15	05-Oct-15
EP140	Confirmed Jurisdictional Determination	20	36	13-Oct-15	02-Nov-15
EP150	Threatened and Endangered Species	30	26	13-Oct-15	12-Nov-15
EP160	Prepare & Submit Joint Permit Application USACE/DEQ	60	1	07-Dec-15	04-Feb-16
EP110	Joint Permit Application Review USACE/DEQ	180	1	05-Feb-16	02-Aug-16
EP120	(VMRC) Permit	140	41	05-Feb-16	23-Jun-16
Phase 4 - Design		689	21	11-Aug-15	31-Mar-18
Roadway/Structure Plan 30% Design		64	2	18-Aug-15	16-Nov-15
DRW330	30% Roadway Design	25	27	18-Aug-15	12-Sep-15
A1140	Supplemental Survey & DTM Update	60	33	18-Aug-15	17-Oct-15
DRW320	30% Box Culvert Design	25	26	19-Aug-15	13-Sep-15
DRW470	Design QA/QC Review Roadway Plans	5	27	12-Sep-15	17-Sep-15
DRW420	Design QA/QC Review Box Culvert Plans	5	26	13-Sep-15	18-Sep-15
DRW500	Submit/VDOT Review/Comment Roadway	21	1	13-Oct-15	02-Nov-15
DRW510	Submit/VDOT Review/Comment Box Culvert	21	1	13-Oct-15	02-Nov-15
DRW520	Comment Resolution 30% Plans	14	1	03-Nov-15	16-Nov-15
DRW530	Box culvert 30% Design Approval	0	2		16-Nov-15
DRW540	Roadway 30% Design Approval	0	1		16-Nov-15
Roadway/Structures Plan 60% Design		64	0	17-Nov-15	12-Feb-16
DRW120	Prepare 60% Box Culvert Design	55	2	17-Nov-15	10-Jan-16
DRW100	Prepare 60% Roadway Plans	55	1	17-Nov-15	10-Jan-16
DRW220	QA/QC 60% Box Culvert Plans	3	2	11-Jan-16	13-Jan-16
DRW260	Prepare 60% Box Culvert Plans for Submission	2	2	14-Jan-16	15-Jan-16
DRW300	Submit 60% Box Culvert Plan	0	2		15-Jan-16
DRW270	VDOT Review/Comment Box culvert & Roadway Plans	21	2	16-Jan-16	05-Feb-16
DRW280	Comment Resolution and Revision 60% Plans	7	2	06-Feb-16	12-Feb-16
DRW310	Design Approval 60% Box Culvert & Roadway Plans	0	2		12-Feb-16
Noise Analysis & Noise Abatement Report		168	207	18-Aug-15	10-Apr-16
DRW370	Noise Analysis and Draft Noise Report	120	290	18-Aug-15	16-Dec-15
DRW390	VDOT Review of Noise Analysis & Draft Noise Report	21	290	16-Dec-15	06-Jan-16
DRW140	Comment Resolution and Revision	7	290	06-Jan-16	13-Jan-16
DRW150	Prepare & Submit Final Noise Report	60	290	13-Jan-16	13-Mar-16
DRW190	VDOT Review of Final Noise Report	21	290	13-Mar-16	03-Apr-16
DRW180	Release Final Noise Report	7	290	03-Apr-16	10-Apr-16
Geotechnical Analysis & Geotech Report		148	11	18-Aug-15	11-Mar-16
A1150	Geotechnical Analysis and Draft Geotechnical Report	120	17	18-Aug-15	16-Dec-15
A1160	VDOT Reviews Draft Geotechnical Report	21	17	16-Dec-15	06-Jan-16
A1170	Comment Resolution and Revision Geotechnical Report	7	17	06-Jan-16	13-Jan-16
A1180	Prepare & Submit Final Geotechnical Report	30	17	13-Jan-16	12-Feb-16
A1190	VDOT Review final Geotechnical Report	21	17	12-Feb-16	04-Mar-16
A1200	Release Final Geotechnical Report	7	17	04-Mar-16	11-Mar-16
Right Of Way Package #1 (Permanent Takes)		73	88	13-Feb-16	25-May-16
ROW100	Prep Right of Way Plans	55	120	13-Feb-16	07-Apr-16
ROW110	QA/QC Right of Way Plans	3	120	08-Apr-16	10-Apr-16
ROW120	Submit Right of Way Plans to VDOT	2	120	11-Apr-16	12-Apr-16



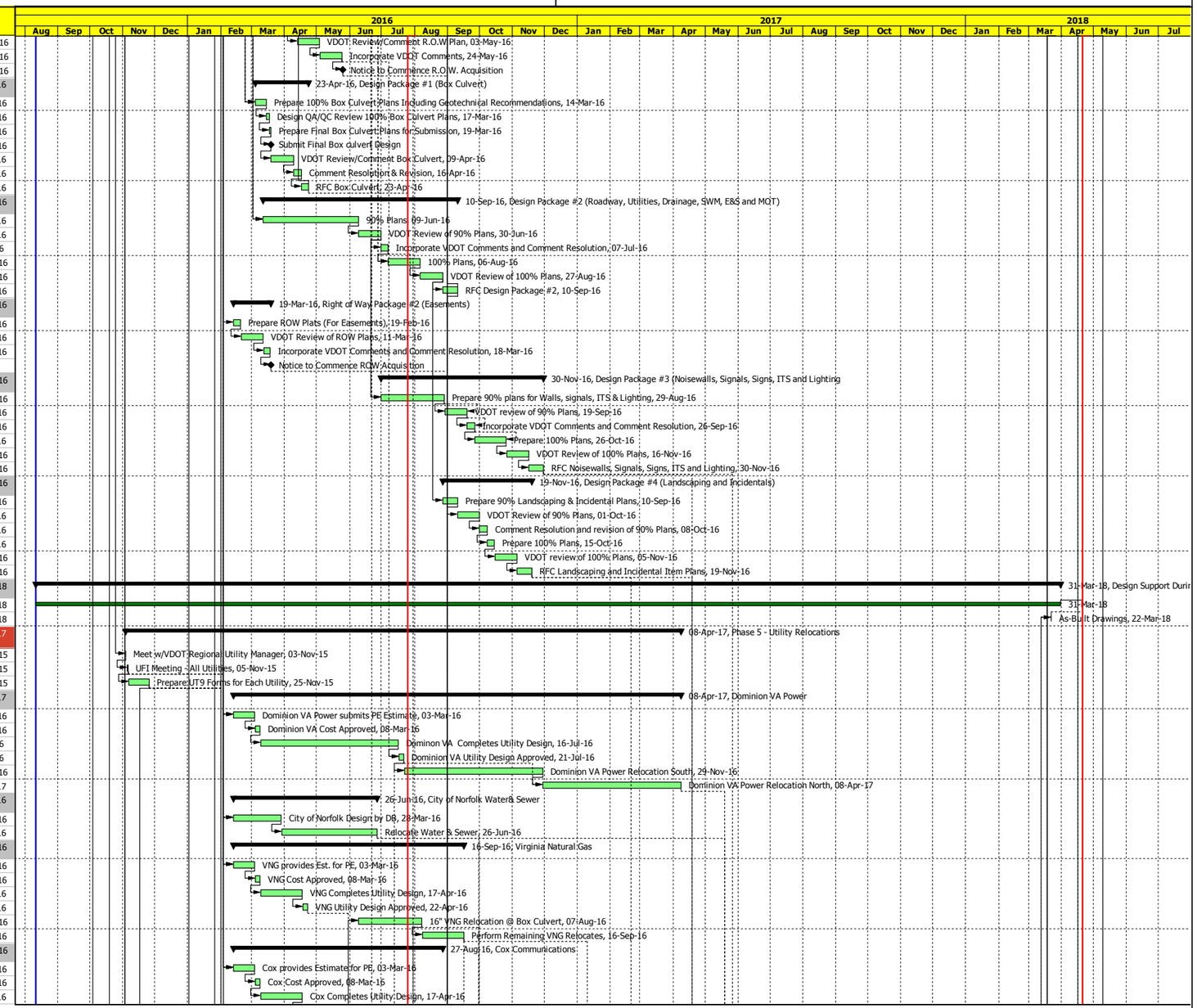
Remaining Level of Effort
Actual Level of Effort
Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary
WBS Summary Activity
WBS Summary Progress

CORMAN CONSTRUCTION evwilliams

Date	Revision	Checked	Approved
27-Jul-15	Military Highway CFI DB Technical Proposal		

Military Highway Continuous Flow Intersection | VDOT Project # 0165-122-V04, 1765, 612 | City of Norfolk, Virginia

Activity ID	Activity Name	Original Duration	Total Float	Early Start	Early Finish
ROW130	VDOT Review/Comment R.O.W Plan	21	120	13-Apr-16	03-May-16
ROW140	Incorporate VDOT Comments	21	120	04-May-16	24-May-16
ROW180	Notice to Commence R.O.W. Acquisition	0	124		25-May-16
Design Package #1 (Box Culvert)		35	74	04-Mar-16	23-Apr-16
DF2050	Prepare 100% Box Culvert Plans Including Geotechnical Recommendations	10	104	04-Mar-16	14-Mar-16
DF2100	Design QA/QC Review 100% Box Culvert Plans	3	104	14-Mar-16	17-Mar-16
DF2110	Prepare Final Box Culvert Plans for Submission	2	104	17-Mar-16	19-Mar-16
DF2140	Submit Final Box culvert Design	0	104		19-Mar-16
DF2130	VDOT Review/Comment Box Culvert	21	104	19-Mar-16	09-Apr-16
DF2150	Comment Resolution & Revision	7	104	09-Apr-16	16-Apr-16
DF2180	RFC Box Culvert	7	104	16-Apr-16	23-Apr-16
Design Package #2 (Roadway, Utilities, Drainage, SWM, E&S and MOT)		130	11	11-Mar-16	10-Sep-16
DRW170	90% Plans	90	17	11-Mar-16	09-Jun-16
DRW200	VDOT Review of 90% Plans	21	17	09-Jun-16	30-Jun-16
DRW230	Incorporate VDOT Comments and Comment Resolution	7	17	30-Jun-16	07-Jul-16
DRW290	100% Plans	30	17	07-Jul-16	06-Aug-16
DRW340	VDOT Review of 100% Plans	21	17	06-Aug-16	27-Aug-16
DRW350	RFC Design Package #2	14	17	27-Aug-16	10-Sep-16
Right of Way Package #2 (Easements)		25	136	13-Feb-16	19-Mar-16
ROW210	Prepare ROW Plats (For Easements)	7	192	13-Feb-16	19-Feb-16
ROW220	VDOT Review of ROW Plans	21	192	20-Feb-16	11-Mar-16
ROW230	Incorporate VDOT Comments and Comment Resolution	7	192	12-Mar-16	18-Mar-16
ROW240	Notice to Commence ROW Acquisition	0	192	19-Mar-16	
Design Package #3 (Noisewalls, Signals, Signs, ITS and Lighting		109	149	30-Jun-16	30-Nov-16
A1210	Prepare 90% plans for Walls, signals, ITS & Lighting	60	209	30-Jun-16	29-Aug-16
A1220	VDOT review of 90% Plans	21	209	29-Aug-16	19-Sep-16
A1230	Incorporate VDOT Comments and Comment Resolution	7	209	19-Sep-16	26-Sep-16
A1240	Prepare 100% Plans	30	209	26-Sep-16	26-Oct-16
A1250	VDOT Review of 100% Plans	21	209	26-Oct-16	16-Nov-16
A1260	RFC Noisewalls, Signals, Signs, ITS and Lighting	14	209	16-Nov-16	30-Nov-16
Design Package #4 (Landscaping and Incidentals)		60	105	27-Aug-16	19-Nov-16
A1270	Prepare 90% Landscaping & Incidental Plans	14	149	27-Aug-16	10-Sep-16
A1280	VDOT Review of 90% Plans	21	149	10-Sep-16	01-Oct-16
A1290	Comment Resolution and revision of 90% Plans	7	149	01-Oct-16	08-Oct-16
A1300	Prepare 100% Plans	7	149	08-Oct-16	15-Oct-16
A1310	VDOT review of 100% Plans	21	149	15-Oct-16	05-Nov-16
A1320	RFC Landscaping and Incidental Item Plans	14	149	05-Nov-16	19-Nov-16
Design Support During Construction/As Built Drawings		689	21	11-Aug-15	31-Mar-18
DAB100	Design Support of Construction	963	0	11-Aug-15	31-Mar-18
DAB110	As-Built Drawings	1	39	22-Mar-18	22-Mar-18
Phase 5 - Utility Relocations		374	48	03-Nov-15	08-Apr-17
U105	Meet w/VDOT Regional Utility Manager	1	128	03-Nov-15	03-Nov-15
U110	UFI Meeting - All Utilities	1	128	05-Nov-15	05-Nov-15
U130	Prepare UT9 Forms for Each Utility	20	128	06-Nov-15	25-Nov-15
Dominion VA Power		300	48	13-Feb-16	08-Apr-17
UR1010	Dominion VA Power submits PE Estimate	20	67	13-Feb-16	03-Mar-16
UR1020	Dominion VA Cost Approved	5	67	04-Mar-16	08-Mar-16
UR1030	Dominon VA Completes Utility Design	130	67	09-Mar-16	16-Jul-16
UR1040	Dominion VA Utility Design Approved	5	67	17-Jul-16	21-Jul-16
UR1350	Dominion VA Power Relocation South	130	67	22-Jul-16	29-Nov-16
UR1050	Dominion VA Power Relocation North	130	67	29-Nov-16	08-Apr-17
City of Norfolk Water& Sewer		95	96	13-Feb-16	26-Jun-16
UR1090	City of Norfolk Design by DB	45	134	13-Feb-16	28-Mar-16
UR1100	Relocate Water & Sewer	90	134	29-Mar-16	26-Jun-16
Virginia Natural Gas		155	17	13-Feb-16	16-Sep-16
UR1120	VNG provides Est. for PE	20	49	13-Feb-16	03-Mar-16
UR1130	VNG Cost Approved	5	49	04-Mar-16	08-Mar-16
UR1140	VNG Completes Utility Design	40	49	09-Mar-16	17-Apr-16
UR1150	VNG Utility Design Approved	5	49	18-Apr-16	22-Apr-16
UR1160	16" VNG Relocation @ Box Culvert	60	2	09-Jun-16	07-Aug-16
UR1170	Perform Remaining VNG Relocates	40	25	08-Aug-16	16-Sep-16
Cox Communications		140	51	13-Feb-16	27-Aug-16
UR1180	Cox provides Estimate for PE	20	119	13-Feb-16	03-Mar-16
UR1190	Cox Cost Approved	5	119	04-Mar-16	08-Mar-16
UR1200	Cox Completes Utility Design	40	119	09-Mar-16	17-Apr-16



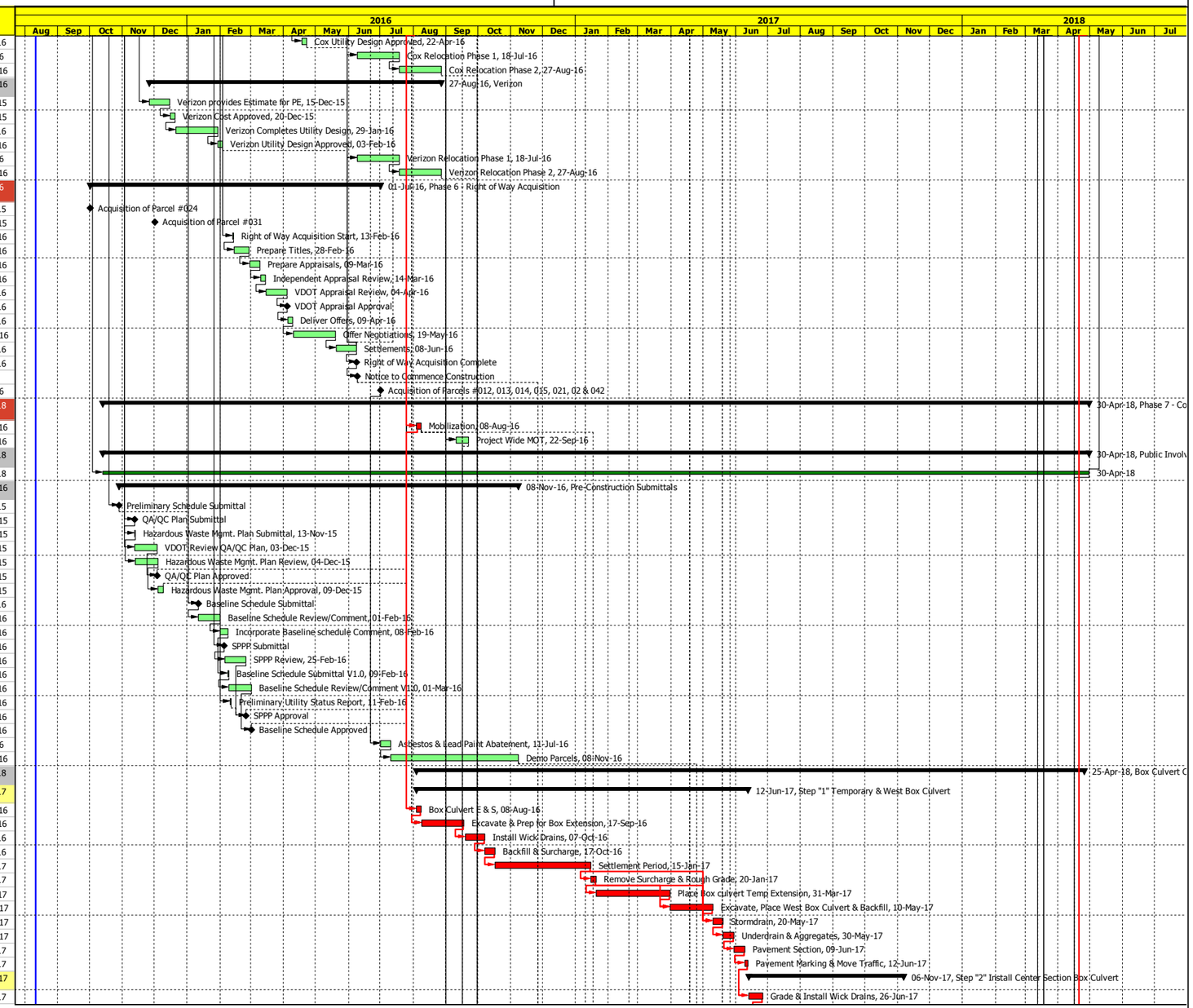
- Remaining Level of Effort
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone
- Summary
- WBS Summary Activity
- WBS Summary Progress

CORMAN CONSTRUCTION evwilliams

Date	Revision	Checked	Approved
27-Jul-15	Military Highway CFI DB Technical Proposal		

Military Highway Continuous Flow Intersection | VDOT Project # 0165-122-V04, 1765, 612 | City of Norfolk, Virginia

Activity ID	Activity Name	Original Duration	Total Float	Early Start	Early Finish
UR1210	Cox Utility Design Approved	5	119	18-Apr-16	22-Apr-16
UR1220	Cox Relocation Phase 1	40	72	09-Jun-16	18-Jul-16
UR1360	Cox Relocation Phase 2	40	72	19-Jul-16	27-Aug-16
Verizon		197	51	26-Nov-15	27-Aug-16
UR1300	Verizon provides Estimate for PE	20	198	26-Nov-15	15-Dec-15
UR1310	Verizon Cost Approved	5	198	16-Dec-15	20-Dec-15
UR1320	Verizon Completes Utility Design	40	198	21-Dec-15	29-Jan-16
UR1330	Verizon Utility Design Approved	5	198	30-Jan-16	03-Feb-16
UR1340	Verizon Relocation Phase 1	40	72	09-Jun-16	18-Jul-16
UR1380	Verizon Relocation Phase 2	40	72	19-Jul-16	27-Aug-16
Phase 6 - Right of Way Acquisition		195	73	01-Oct-15	01-Jul-16
RW0140	Acquisition of Parcel #024	0	0		01-Oct-15
RW0130	Acquisition of Parcel #031	0	0		01-Dec-15
RW0010	Right of Way Acquisition Start	1	2	13-Feb-16	13-Feb-16
RW0020	Prepare Titles	15	2	14-Feb-16	28-Feb-16
RW0030	Prepare Appraisals	10	2	29-Feb-16	09-Mar-16
RW0040	Independent Appraisal Review	5	2	10-Mar-16	14-Mar-16
RW0050	VDOT Appraisal Review	21	2	15-Mar-16	04-Apr-16
RW0060	VDOT Appraisal Approval	0	2		04-Apr-16
RW0070	Deliver Offers	5	2	05-Apr-16	09-Apr-16
RW0080	Offer Negotiations	40	2	10-Apr-16	19-May-16
RW0090	Settlements	20	2	20-May-16	08-Jun-16
RW0100	Right of Way Acquisition Complete	0	125		08-Jun-16
RW0110	Notice to Commence Construction	0	125	09-Jun-16	
RW0120	Acquisition of Parcels #012, 013, 014, 015, 021, 02 & 042	0	0		01-Jul-16
Phase 7 - Construction		664	0	13-Oct-15	30-Apr-18
C100	Mobilization	5	1	04-Aug-16	08-Aug-16
C110	Project Wide MOT	12	20	10-Sep-16	22-Sep-16
Public Involvement During Construction		664	0	13-Oct-15	30-Apr-18
C102	Public Relations	930	0	13-Oct-15	30-Apr-18
Pre-Construction Submittals		269	88	28-Oct-15	08-Nov-16
PCS1280	Preliminary Schedule Submittal	0	232		28-Oct-15
PCS1170	QA/QC Plan Submittal	0	246		12-Nov-15
PCS1180	Hazardous Waste Mgmt. Plan Submittal	1	240	12-Nov-15	13-Nov-15
PCS1210	VDOT Review QA/QC Plan	21	246	12-Nov-15	03-Dec-15
PCS1230	Hazardous Waste Mgmt. Plan Review	21	240	13-Nov-15	04-Dec-15
PCS1220	QA/QC Plan Approved	0	246		03-Dec-15
PCS1240	Hazardous Waste Mgmt. Plan Approval	5	240	04-Dec-15	09-Dec-15
PCS1270	Baseline Schedule Submittal	0	157		11-Jan-16
PCS1290	Baseline Schedule Review/Comment	21	157	11-Jan-16	01-Feb-16
PCS1300	Incorporate Baseline schedule Comment	7	157	01-Feb-16	08-Feb-16
PCS1000	SPPP Submittal	0	161		04-Feb-16
PCS1010	SPPP Review	21	161	05-Feb-16	25-Feb-16
PCS1310	Baseline Schedule Submittal V1.0	1	157	08-Feb-16	09-Feb-16
PCS1320	Baseline Schedule Review/Comment V1.0	21	157	09-Feb-16	01-Mar-16
U108	Preliminary Utility Status Report	1	176	10-Feb-16	11-Feb-16
PCS1020	SPPP Approval	0	161		25-Feb-16
PCS1330	Baseline Schedule Approved	0	157		01-Mar-16
CCB120	Asbestos & Lead Paint Abatement	10	122	01-Jul-16	11-Jul-16
CCB130	Demo Parcels	120	122	11-Jul-16	08-Nov-16
Box Culvert Construction		450	0	04-Aug-16	25-Apr-18
Step "1" Temporary & West Box Culvert		223	0	04-Aug-16	12-Jun-17
CC4000	Box Culvert E & S	5	1	04-Aug-16	08-Aug-16
CC4010	Excavate & Prep for Box Extension	40	1	09-Aug-16	17-Sep-16
A1340	Install Wick Drains	15	0	19-Sep-16	07-Oct-16
A1350	Backfill & Surcharge	10	0	07-Oct-16	17-Oct-16
A1360	Settlement Period	90	0	17-Oct-16	15-Jan-17
A1370	Remove Surcharge & Rough Grade	5	0	15-Jan-17	20-Jan-17
CC4020	Place Box culvert Temp Extension	70	0	20-Jan-17	31-Mar-17
A1330	Excavate, Place West Box Culvert & Backfill	40	0	31-Mar-17	10-May-17
A1380	Stormdrain	10	0	10-May-17	20-May-17
A1390	Underdrain & Aggregates	10	0	20-May-17	30-May-17
A1400	Pavement Section	10	0	30-May-17	09-Jun-17
A1410	Pavement Marking & Move Traffic	3	0	09-Jun-17	12-Jun-17
Step "2" Install Center Section Box Culvert		105	0	13-Jun-17	06-Nov-17
A1005	Grade & Install Wick Drains	10	0	13-Jun-17	26-Jun-17



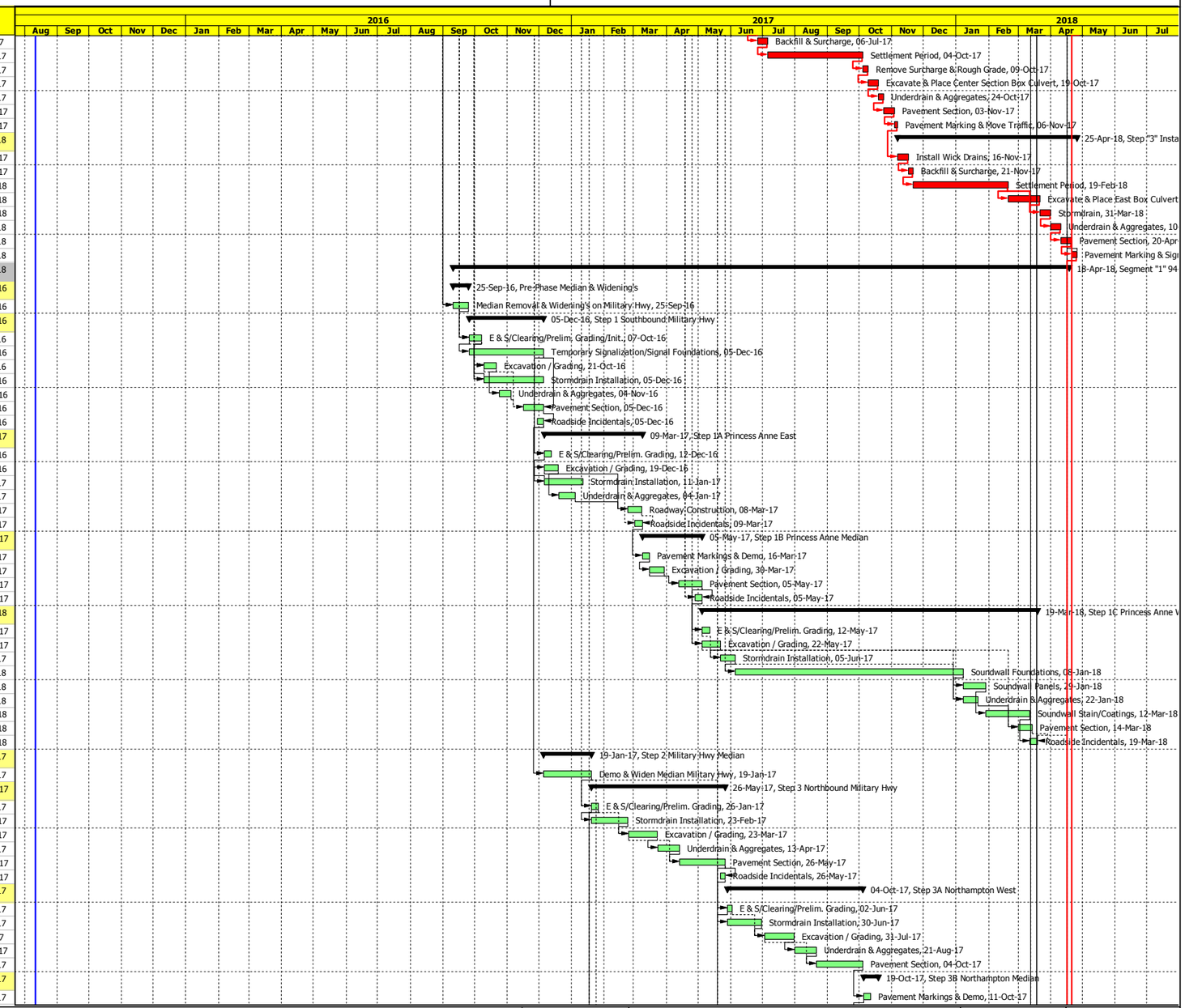
- Remaining Level of Effort
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone
- Summary
- WBS Summary Activity
- WBS Summary Progress

CORMAN CONSTRUCTION ev.williams

Date	Revision	Checked	Approved
27-Jul-15	Military Highway CFI DB Technical Proposal		

Military Highway Continuous Flow Intersection | VDOT Project # 0165-122-V04, 1765, 612 | City of Norfolk, Virginia

Activity ID	Activity Name	Original Duration	Total Float	Early Start	Early Finish
A1010	Backfill & Surcharge	10	0	26-Jun-17	06-Jul-17
A1020	Settlement Period	90	0	06-Jul-17	04-Oct-17
A1025	Remove Surcharge & Rough Grade	5	0	04-Oct-17	09-Oct-17
A1000	Excavate & Place Center Section Box Culvert	10	0	09-Oct-17	19-Oct-17
A1040	Underdrain & Aggregates	5	0	19-Oct-17	24-Oct-17
A1050	Pavement Section	10	0	24-Oct-17	03-Nov-17
A1060	Pavement Marking & Move Traffic	3	0	03-Nov-17	06-Nov-17
Step "3" Install East Box Culvert		122	0	06-Nov-17	25-Apr-18
A1075	Install Wick Drains	10	0	06-Nov-17	16-Nov-17
A1080	Backfill & Surcharge	5	0	16-Nov-17	21-Nov-17
A1090	Settlement Period	90	0	21-Nov-17	19-Feb-18
A1070	Excavate & Place East Box Culvert	30	0	19-Feb-18	21-Mar-18
A1100	Stormdrain	10	0	21-Mar-18	31-Mar-18
A1110	Underdrain & Aggregates	10	0	31-Mar-18	10-Apr-18
A1120	Pavement Section	10	0	10-Apr-18	20-Apr-18
A1130	Pavement Marking & Signs	5	0	20-Apr-18	25-Apr-18
Segment "1" 94+00 to 154+00 (Norfolk Southern RR)		418	8	10-Sep-16	18-Apr-18
Pre-Phase Median & Widening's		10	12	10-Sep-16	25-Sep-16
PP1000	Median Removal & Widening's on Military Hwy	15	17	10-Sep-16	25-Sep-16
Step 1 Southbound Military Hwy		51	23	26-Sep-16	05-Dec-16
CC490	E & S/Clearing/Prelim. Grading/Init.	10	12	26-Sep-16	07-Oct-16
CC570	Temporary Signalization/Signal Foundations	50	12	26-Sep-16	05-Dec-16
CC550	Excavation / Grading	10	21	10-Oct-16	21-Oct-16
CC590	Stormdrain Installation	40	21	10-Oct-16	05-Dec-16
CC540	Underdrain & Aggregates	10	21	24-Oct-16	04-Nov-16
CC600	Pavement Section	10	11	16-Nov-16	05-Dec-16
CC610	Roadside Incidentals	5	14	29-Nov-16	05-Dec-16
Step 1A Princess Anne East		67	32	06-Dec-16	09-Mar-17
CC980	E & S/Clearing/Prelim. Grading	5	66	06-Dec-16	12-Dec-16
CC1100	Excavation / Grading	10	66	06-Dec-16	19-Dec-16
CC1080	Stormdrain Installation	25	66	06-Dec-16	11-Jan-17
CC1090	Underdrain & Aggregates	10	66	20-Dec-16	04-Jan-17
CC1110	Roadway Construction	10	30	23-Feb-17	08-Mar-17
CC1120	Roadside Incidentals	5	32	02-Mar-17	09-Mar-17
Step 1B Princess Anne Median		41	42	09-Mar-17	05-May-17
CC830	Pavement Markings & Demo	5	32	09-Mar-17	16-Mar-17
CC840	Excavation / Grading	10	32	16-Mar-17	30-Mar-17
CC850	Pavement Section	15	31	13-Apr-17	05-May-17
CC860	Roadside Incidentals	5	41	28-Apr-17	05-May-17
Step 1C Princess Anne West		226	31	05-May-17	19-Mar-18
CC970	E & S/Clearing/Prelim. Grading	5	41	05-May-17	12-May-17
CC1040	Excavation / Grading	10	31	05-May-17	22-May-17
CC990	Stormdrain Installation	10	31	22-May-17	05-Jun-17
CC1000	Soundwall Foundations	150	31	05-Jun-17	08-Jan-18
CC1010	Soundwall Panels	15	31	08-Jan-18	29-Jan-18
CC1030	Underdrain & Aggregates	10	61	08-Jan-18	22-Jan-18
CC1020	Soundwall Stain/Coatings	30	31	29-Jan-18	12-Mar-18
CC1050	Pavement Section	10	33	01-Mar-18	14-Mar-18
CC1060	Roadside Incidentals	5	31	12-Mar-18	19-Mar-18
Step 2 Military Hwy Median		33	12	05-Dec-16	19-Jan-17
CC2000	Demo & Widen Median Military Hwy	45	18	05-Dec-16	19-Jan-17
Step 3 Northbound Military Hwy		91	38	20-Jan-17	26-May-17
CC620	E & S/Clearing/Prelim. Grading	5	12	20-Jan-17	26-Jan-17
CC640	Stormdrain Installation	25	12	20-Jan-17	23-Feb-17
CC660	Excavation / Grading	20	12	24-Feb-17	23-Mar-17
CC650	Underdrain & Aggregates	15	12	24-Mar-17	13-Apr-17
CC670	Pavement Section	30	12	13-Apr-17	26-May-17
CC680	Roadside Incidentals	5	37	22-May-17	26-May-17
Step 3A Northampton West		93	38	29-May-17	04-Oct-17
CC630	E & S/Clearing/Prelim. Grading	5	37	29-May-17	02-Jun-17
CC690	Stormdrain Installation	25	37	29-May-17	30-Jun-17
CC700	Excavation / Grading	20	37	03-Jul-17	31-Jul-17
CC710	Underdrain & Aggregates	15	37	01-Aug-17	21-Aug-17
CC720	Pavement Section	30	35	21-Aug-17	04-Oct-17
Step 3B Northampton Median		11	37	05-Oct-17	19-Oct-17
CC740	Pavement Markings & Demo	5	37	05-Oct-17	11-Oct-17



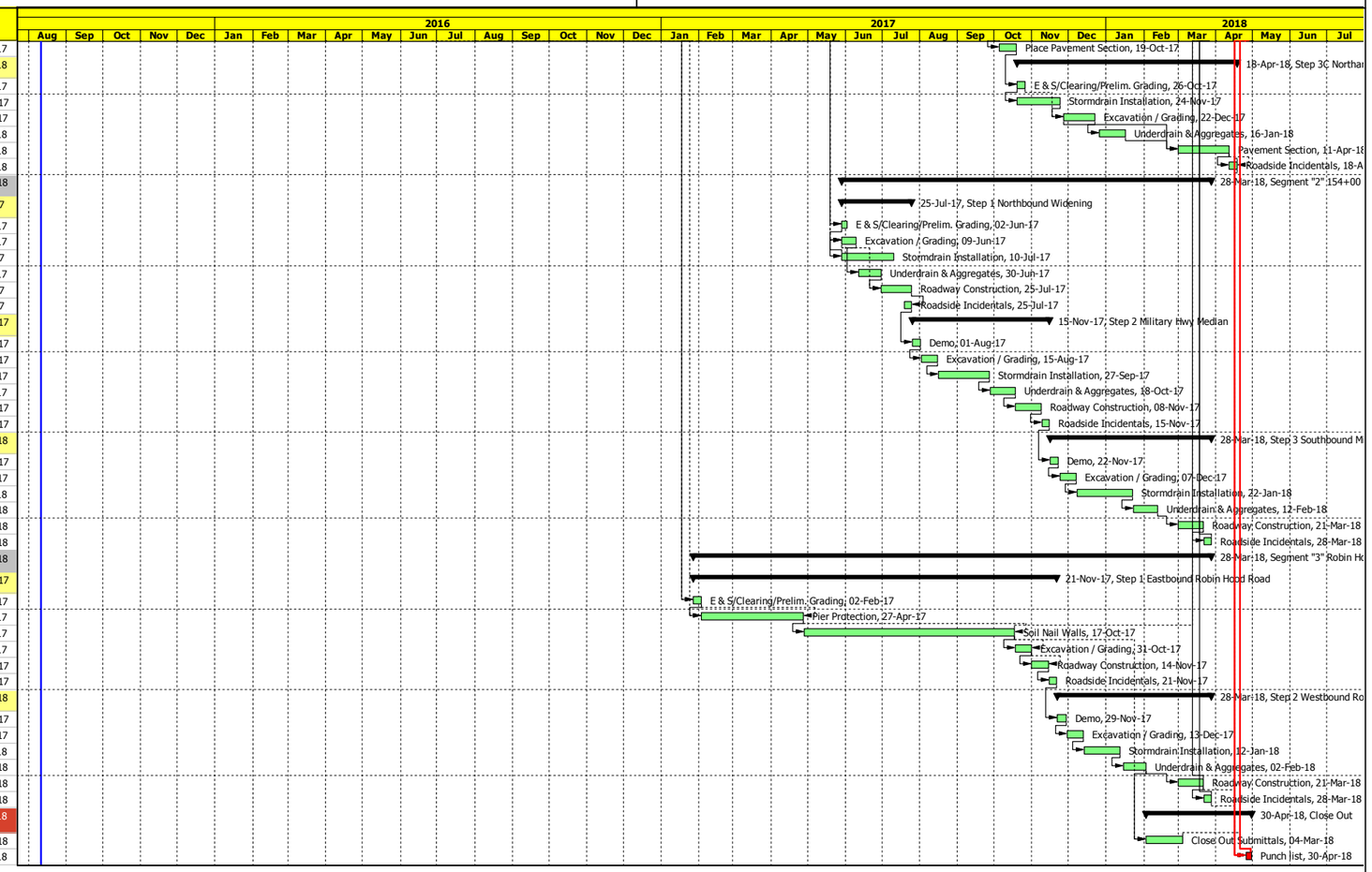
Remaining Level of Effort
Actual Level of Effort
Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary
WBS Summary Activity
WBS Summary Progress

CORMAN CONSTRUCTION evwilliams

Date	Revision	Checked	Approved
27-Jul-15	Military Highway CFI DB Technical Proposal		

Military Highway Continuous Flow Intersection | VDOT Project # 0165-122-V04, 1765, 612 | City of Norfolk, Virginia

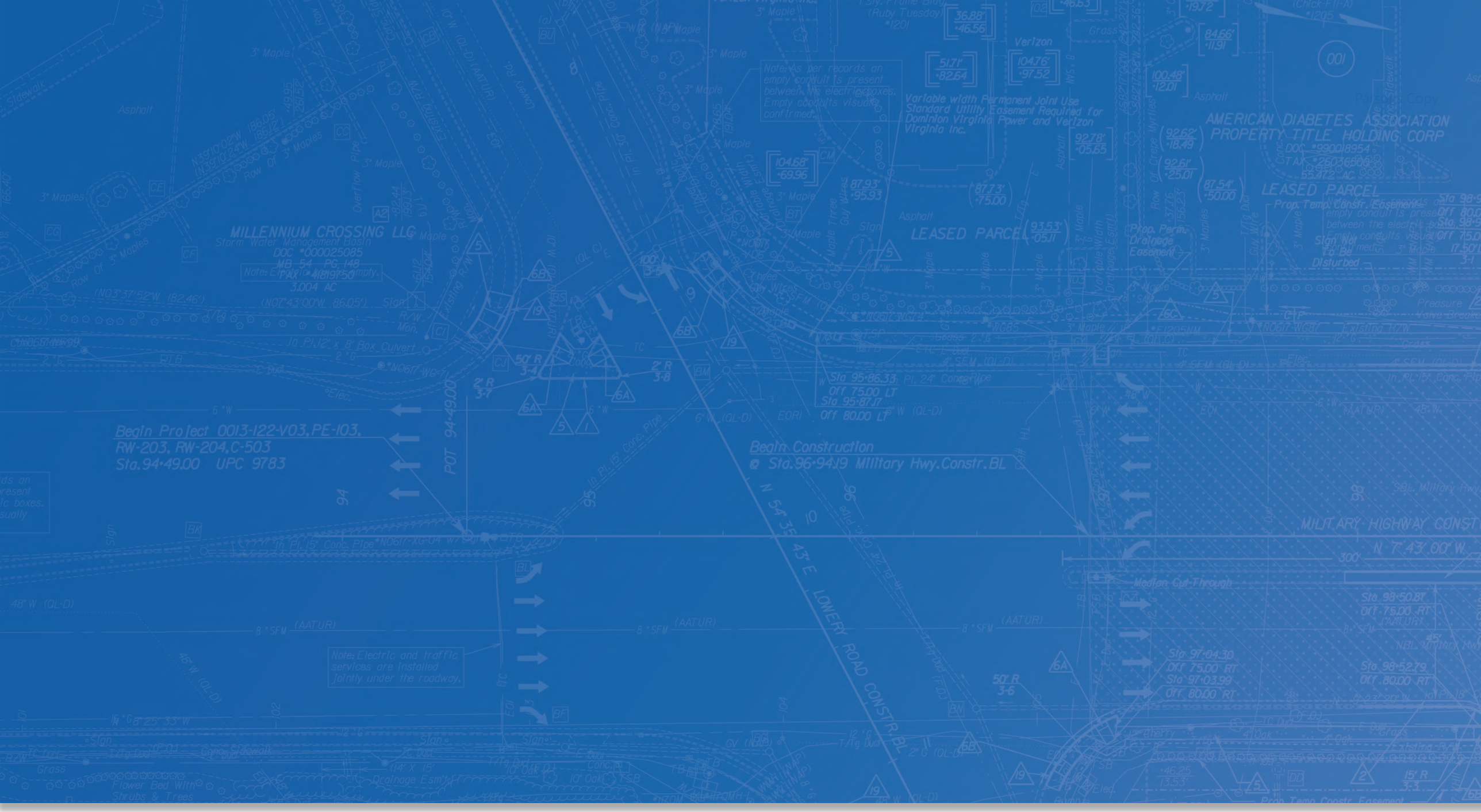
Activity ID	Activity Name	Original Duration	Total Float	Early Start	Early Finish
CC750	Place Pavement Section	10	35	05-Oct-17	19-Oct-17
Step 3C Northampton East		129	5	20-Oct-17	18-Apr-18
CC1210	E & S/Clearing/Prelim. Grading	5	36	20-Oct-17	26-Oct-17
CC1220	Stormdrain Installation	25	36	20-Oct-17	24-Nov-17
CC1230	Excavation / Grading	20	36	27-Nov-17	22-Dec-17
CC1240	Underdrain & Aggregates	15	36	26-Dec-17	16-Jan-18
CC1250	Pavement Section	30	5	01-Mar-18	11-Apr-18
CC1260	Roadside Incidentals	5	5	12-Apr-18	18-Apr-18
Segment "2" 154+00 (RR) to 178+00		218	2	29-May-17	28-Mar-18
Step 1 Northbound Widening		42	13	29-May-17	25-Jul-17
CC900	E & S/Clearing/Prelim. Grading	5	13	29-May-17	02-Jun-17
CC910	Excavation / Grading	10	13	29-May-17	09-Jun-17
CC950	Stormdrain Installation	30	13	29-May-17	10-Jul-17
CC960	Underdrain & Aggregates	15	13	12-Jun-17	30-Jun-17
CC920	Roadway Construction	15	12	30-Jun-17	25-Jul-17
CC930	Roadside Incidentals	5	13	19-Jul-17	25-Jul-17
Step 2 Military Hwy Median		81	15	26-Jul-17	15-Nov-17
CC760	Demo	5	13	26-Jul-17	01-Aug-17
CC770	Excavation / Grading	10	13	02-Aug-17	15-Aug-17
CC810	Stormdrain Installation	30	13	16-Aug-17	27-Sep-17
CC820	Underdrain & Aggregates	15	13	28-Sep-17	18-Oct-17
CC780	Roadway Construction	15	13	18-Oct-17	08-Nov-17
CC790	Roadside Incidentals	5	14	09-Nov-17	15-Nov-17
Step 3 Southbound Military Hwy & I-64 Ramp		95	2	16-Nov-17	28-Mar-18
CC1170	Demo	5	14	16-Nov-17	22-Nov-17
CC1180	Excavation / Grading	10	14	24-Nov-17	07-Dec-17
CC1190	Stormdrain Installation	30	14	08-Dec-17	22-Jan-18
CC1200	Underdrain & Aggregates	15	14	23-Jan-18	12-Feb-18
CC1270	Roadway Construction	15	2	01-Mar-18	21-Mar-18
CC1280	Roadside Incidentals	5	2	22-Mar-18	28-Mar-18
Segment "3" Robin Hood Road		304	20	27-Jan-17	28-Mar-18
Step 1 Eastbound Robin Hood Road		213	41	27-Jan-17	21-Nov-17
CC870	E & S/Clearing/Prelim. Grading	5	26	27-Jan-17	02-Feb-17
CC1290	Pier Protection	60	26	03-Feb-17	27-Apr-17
CC1300	Soil Nail Walls	120	26	28-Apr-17	17-Oct-17
CC1310	Excavation / Grading	10	26	18-Oct-17	31-Oct-17
CC1320	Roadway Construction	10	25	31-Oct-17	14-Nov-17
CC1330	Roadside Incidentals	5	38	15-Nov-17	21-Nov-17
Step 2 Westbound Robin Hood Road		91	20	22-Nov-17	28-Mar-18
CC1340	Demo	5	38	22-Nov-17	29-Nov-17
CC1350	Excavation / Grading	10	38	30-Nov-17	13-Dec-17
CC1360	Stormdrain Installation	20	38	14-Dec-17	12-Jan-18
CC1370	Underdrain & Aggregates	15	38	15-Jan-18	02-Feb-18
CC1380	Roadway Construction	15	20	01-Mar-18	21-Mar-18
CC1390	Roadside Incidentals	5	20	22-Mar-18	28-Mar-18
Close Out		61	0	02-Feb-18	30-Apr-18
CO1030	Close Out Submittals	30	57	02-Feb-18	04-Mar-18
CO1010	Punch list	5	0	25-Apr-18	30-Apr-18



Remaining Level of Effort
Actual Level of Effort
Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary
WBS Summary Activity
WBS Summary Progress

CORMAN CONSTRUCTION evwilliams

Date	Revision	Checked	Approved
27-Jul-15	Military Highway CFI DB Technical Proposal		



CORMAN CONSTRUCTION | evwilliams SITE DEVELOPMENT & HIGHWAY CONSTRUCTION

A Joint Venture

In Association with

PARSONS