

RESPONSE TO REQUEST FOR PROPOSALS

Route 3 Widening

A DESIGN-BUILD PROJECT

FROM: 4.1 MILES EAST ROUTE 29

TO: 4.0 MILES WEST OF CULPEPER/ORANGE COUNTY LINE

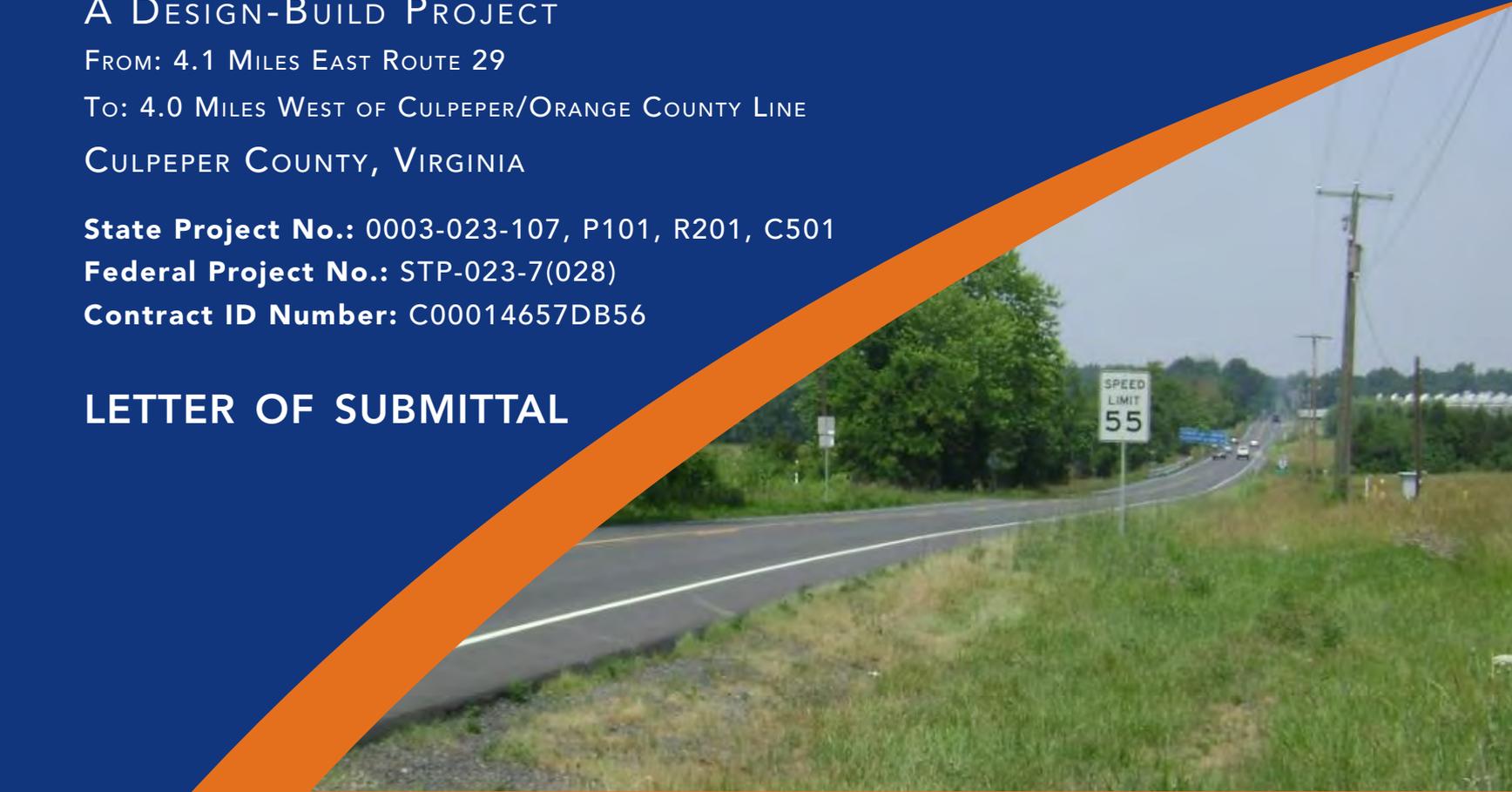
CULPEPER COUNTY, VIRGINIA

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

Federal Project No.: STP-023-7(028)

Contract ID Number: C00014657DB56

LETTER OF SUBMITTAL



SUBMITTED TO:



SUBMITTED BY:



IN ASSOCIATION WITH:



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

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

Letter of Submittal Component	Form (if any)	RFP Part 1 Cross Reference	Page Reference
Letter of Submittal (LOS) Checklist and Contents	Attachment 4.0.1.1	Section 4.0.1.1	1-2
Acknowledgement of RFP, Revisions, and/or Addenda	Attachment 3.6 (Form C-78-RFP)	Sections 3.6; 4.0.1.1	3
Letter of Submittal	NA	Sections 4.1	4-5
Letter of Submittal on Offeror's letterhead	NA	Section 4.1.1	4
Offeror's full legal name and address	NA	Section 4.1.1	4
Authorized representative's original signature	NA	Section 4.1.1	5
Declaration of intent	NA	Section 4.1.2	4
120 day declaration	NA	Section 4.1.3	4
Point of Contact information	NA	Section 4.1.4	4
Principal Officer information	NA	Section 4.1.5	4
Interim Milestone, Substantial Completion and Final Completion Date(s)	NA	Section 4.1.6	4
Executed Proposal Payment Agreement or Waiver of Proposal Payment	Attachment 9.3.1 Attachment 9.3.2	Section 4.1.7	6-9
Certification Regarding Debarment Forms	Attachment 11.8.6 (a) Attachment 11.8.6 (b)	Section 4.1.8	10-18

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

Letter of Submittal Component	Form (if any)	RFP Part 1 Cross Reference	Page Reference
Written statement that Offeror's proposed concept included in the Attachments to the LOS is fully compliant with the Design Criteria Table and all other requirements of the RFP	NA	Section 4.1.9	5
Certification that the proposed limits of construction are located within the right-of-way limits shown on RFP plans	NA	Section 4.1.9	5
Attachments to the Letter of Submittal	NA	Section 4.2	19-59
Conceptual Roadway Plans – Plan View	NA	Section 4.2.1.1	21-41
Conceptual Roadway Plans – Typical Sections	NA	Section 4.2.1.1	19-20
Confirmation that the information provided in the SOQ submittal remains true and accurate or indicates that any requested changes were previously approved by VDOT	NA	Section 4.2.1.2	42
Organizational chart with any updates since the SOQ submittal clearly identified	NA	Section 4.2.1.2	42
Revised narrative when organizational chart includes updates since the SOQ submittal	NA	Section 4.2.1.2	42
Proposal Schedule	NA	Section 4.2.1.3	50-59
Proposal Schedule Narrative	NA	Section 4.2.1.3	43-49
Proposal Schedule in electronic format (CD- or DVD-ROM)	NA	Section 4.2.1.3	NA

ATTACHMENT 3.6

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION**

RFP NO. C00014657DB56

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

ACKNOWLEDGEMENT OF RFP, REVISION AND/OR ADDENDA

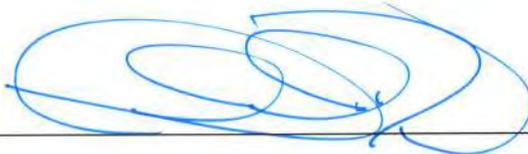
Acknowledgement shall be made of receipt of the Request for Proposals (RFP) and/or any and all revisions and/or addenda pertaining to the above designated project which are issued by the Department prior to the Letter of Submittal submission date shown herein. Failure to include this acknowledgement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

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

1. Cover letter of April 18, 2013 – RFP
(Date)

2. Cover letter of August 20, 2013 – RFP Addendum No. 1
(Date)

3. Cover letter of _____
(Date)



SIGNATURE

9/10/13

DATE

Michael E. Post

PRINTED NAME

President/CEO/Manager

TITLE



September 10, 2013

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

RE: Route 3 Widening
From: 4.1 Miles East Rte 29
To: 4.0 Miles West of Culpeper/Orange County Line
Culpeper County, Virginia
Contract ID Number C00014657DB56
4.1 Letter of Submittal

Dear Mr. Clarke:

Shirley Contracting Company, LLC, (Shirley) 8435 Backlick Road, Lorton, Virginia 22079, as the Offeror, is pleased to submit this Proposal for the Route 3 Widening (the Project) to the Virginia Department of Transportation (VDOT). Together with Dewberry Consultants, LLC (formerly known as Dewberry & Davis, LLC) as the Engineer of Record, we will provide VDOT and the traveling public with an unequalled level of assurance that the Project will be completed successfully and will exceed the priorities established.

4.1.2 - Offeror's Intent: Should VDOT select Shirley for award of the Route 3 Widening Project, Shirley will enter into a contract with VDOT for the Project in accordance with the terms of the Request for Proposals.

4.1.3 - Declaration: The offer represented by our Price Proposal will remain in full force and effect for one hundred twenty (120) days from the date this Proposal is actually submitted to VDOT.

4.1.4 - Point of Contact for the Offeror will be:

Mr. Garry A. Palleschi
Vice President
Shirley Contracting Company, LLC
8435 Backlick Road
Lorton, Virginia 22079
(P) 703-550-8100 (F) 703-550-7899
gpalleschi@shirleycontracting.com

4.1.5 - Principal Officer for the Offeror will be:

Mr. Michael E. Post
President/CEO
Shirley Contracting Company, LLC
8435 Backlick Road
Lorton, Virginia 22079
(P) 703-550-8100 (F) 703-550-7899
mpost@shirleycontracting.com

4.1.6 Interim Milestone Date: 11/23/16
Final Completion Date: 05/04/17

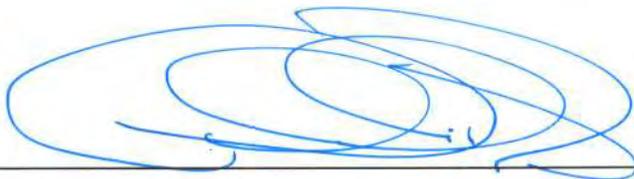
4.1.7- An executed Proposal Payment Agreement is included as an attachment.

4.1.8 - Signed Certification Regarding Debarment Forms for Primary and Lower Tiered Covered Transactions are included as an attachment.

4.1.9 – The proposed project concept included with this Letter of Submittal is fully compliant with the Design Criteria Table included in the RFP Technical Requirements (Part 2) as Attachment 2.2 and all other requirements of the RFP. We certify that our proposed limits of construction, to include all stormwater management facilities are located within the right-of-way limits shown on the RFP plans with the exception of permanent and temporary easements and that our design concept does not require Design Exceptions and/or Design Waivers unless they are identified or included in the RFP or Addendum.

4.1.10 - I am providing the following statement demonstrating our commitment to the project's DBE goals:

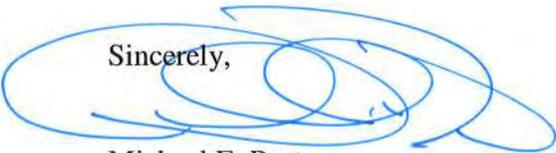
I personally commit to VDOT that Shirley will achieve a DBE participation goal of 20% for the entire value of the contract:



Michael E. Post
President/CEO/Manager
Shirley Contracting Company, LLC

On behalf of our Team, we thank the Virginia Department of Transportation for the opportunity to submit this Technical Proposal in response to your Request for Proposals and we look forward to your favorable review.

Sincerely,



Michael E. Post
President/CEO/Manager
Shirley Contracting Company, LLC

ATTACHMENT 9.3.1
PROPOSAL PAYMENT AGREEMENT

THIS PROPOSAL PAYMENT AGREEMENT (this “Agreement”) is made and entered into as of this ____ day of _____, 20¹³, by and between the Virginia Department of Transportation (“VDOT”), and Shirley Contracting Co., LLC (“Offeror”).

WITNESSETH:

WHEREAS, Offeror is one of the entities who submitted Statements of Qualifications (“SOQs”) pursuant to VDOT’s **December 4, 2012** Request for Qualifications (“RFQ”) and was invited to submit proposals in response to a Request for Proposals (“RFP”) for the **Route 3 Widening, Project No. 0003-023-107, P101, R201, C501** (“Project”), under a design-build contract with VDOT (“Design-Build Contract”); and

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

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

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

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

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

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

3. Proposal Payment. VDOT agrees to pay Offeror the lump sum amount of **Ten Thousand and 00/100 Dollars (\$10,000.00)** ("Proposal Payment"), which payment constitutes payment in full to Offeror for the conveyance of Offeror's Intellectual Property to VDOT in accordance with this Agreement. Payment of the Proposal Payment is conditioned upon: (a) Offeror's Proposal being, in the sole discretion of VDOT, responsive to the RFP; (b) Offeror complying with all other terms and conditions of this Agreement; and (c) either (i) Offeror is not awarded the Design-Build Contract, or (ii) VDOT cancels the procurement or decides not to award the Design-Build Contract to any Offeror.

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

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

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

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

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

9. **Miscellaneous.**

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

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

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

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

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

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

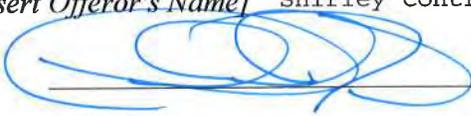
VIRGINIA DEPARTMENT OF TRANSPORTATION

By: _____

Name: _____

Title: _____

[Insert Offeror's Name] Shirley Contracting Co., LLC

By:  _____

Name: Michael E. Post

Title: President/CEO/Manager

ATTACHMENT 11.8.6(a)
CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS

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

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

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

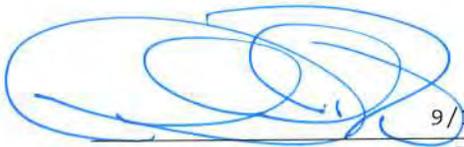
b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under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

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

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

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

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



9/10/13

President/CEO/Manager

Signature

Date

Title

Shirley Contracting Company, LLC

Name of Firm

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

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

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

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

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

Dave Mahaney 8/30/13 Executive Vice President
Signature Date Title

Dewberry Consultants LLC
Name of Firm

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

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

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

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

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



Signature _____ Date 8-30-13 Title President

GeoConcepts Engineering, Inc.
Name of Firm

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

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

- 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.

	September 3, 2013	President
Signature	Date	Title

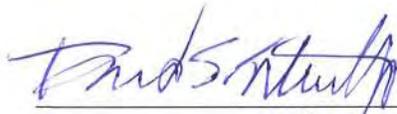
Quinn Consulting Services, Inc.
Name of Firm

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

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

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

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

 8-30-13
Signature Date

Principal
Title

Specialized Engineering

Name of Firm

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

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

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

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

Matt Kelly 8-29-13 MANAGER
Signature Date Title

So-Deep, Inc.
Name of Firm

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

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

- 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 8/29/13

Vice President

Title

AeroMetric, Inc.

Name of Firm

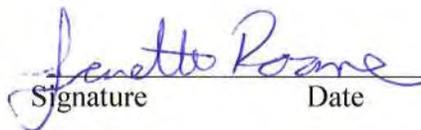
ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

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

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

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

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

	8/30/13	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.: 0003-023-107, P101, R201, C501

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

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

Robert Rushe 8-29-13 Settlement Officer
Signature Date Title

Old Dominion Settlements, Inc T/A Key Title
Name of Firm

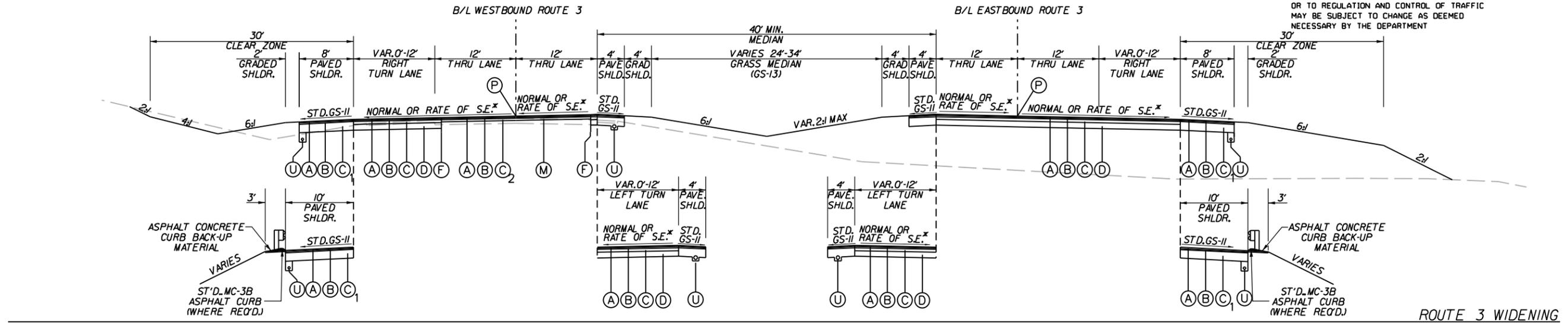
4.2 ATTACHMENTS TO THE LETTER OF SUBMITTAL

TYPICAL SECTIONS

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

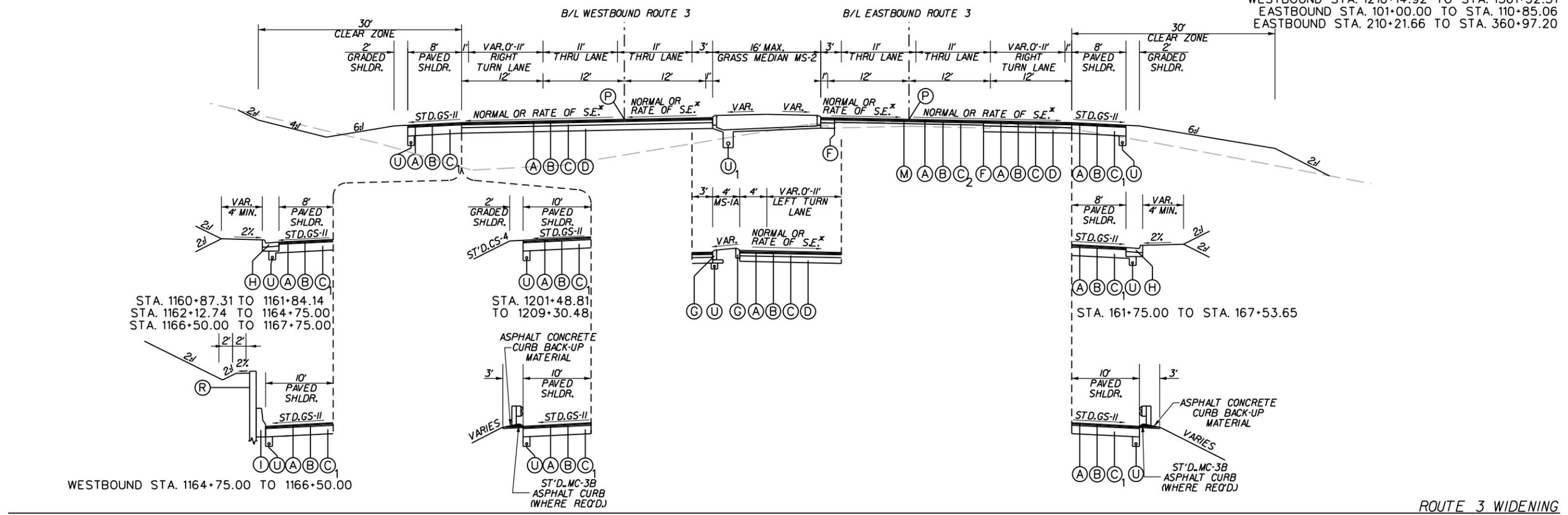
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107 PE-101	2A

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



ROUTE 3 WIDENING

WESTBOUND STA. 1101+00.00 TO STA. 1110+85.37
 WESTBOUND STA. 1210+14.92 TO STA. 1361+32.31
 EASTBOUND STA. 101+00.00 TO STA. 110+85.06
 EASTBOUND STA. 210+21.66 TO STA. 360+97.20



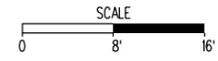
ROUTE 3 WIDENING

LEGEND

- (A) 2.0" Asphalt Concrete, SM-12.5D
- (A₁) 2.0" Asphalt Concrete, SM-12.5A
- (B) 2.0" Asphalt Concrete, IM-19.0A
- (B₁) 2.5" Asphalt Concrete, IM-19.0A
- (C) 5.0" Asphalt Concrete, BM-25.0A
- (C₁) 15.0" Dense Graded Aggregate, Type I, Size No. 21-B
- (C₂) 4.0" Asphalt Concrete, BM-25.0A
- (C₃) 9.0" Dense-Graded Aggregate, Type I, Size No. 21-B
- (C₄) 5.0" Dense-Graded Aggregate, Type I, Size No. 21-A
- (D) 10.0" Dense-Graded Aggregate, Type I, Size No. 21-B
- (F) Full Depth Saw Cut
- (G) Curb, S't.d. CG-4
- (H) Curb and Gutter, S't.d. CG-7
- (I) Barrier, S't.d. MB-7F
- (M) Mill 4.0" of Existing Pavement
- (M₁) Mill 2.0" of Existing Pavement
- (P) Profile Grade Line
- (R) Retaining Wall
- (U) Underdrain, S't.d. UD-4
- (U₁) Underdrain, S't.d. UD-2



* NORMAL CROWN = 0.020 FT/FT.
 * ROUTE 3 S.E. MAX = 0.075 FT/FT LT



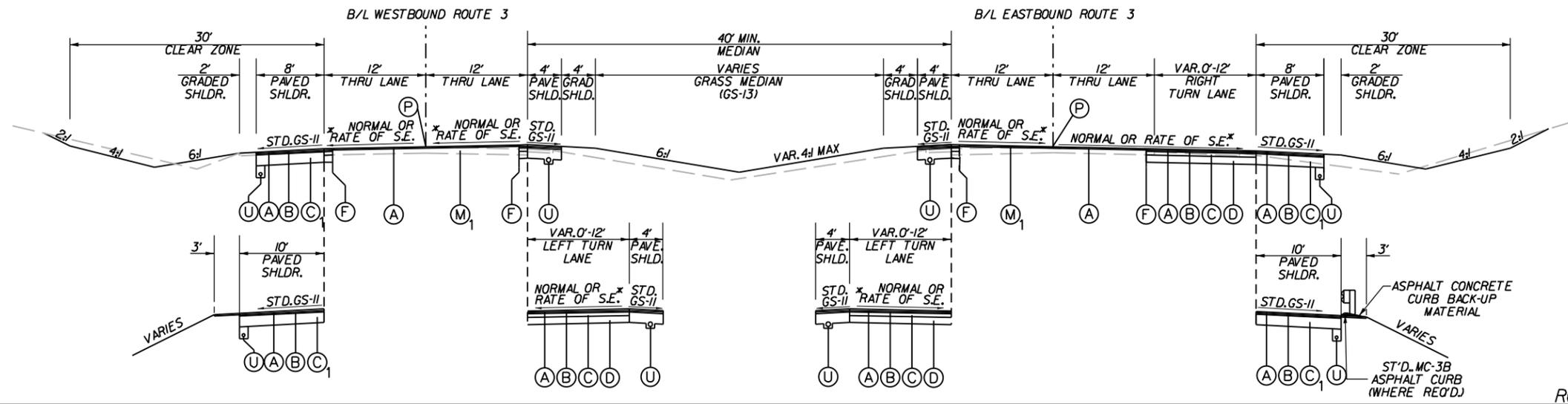
PROJECT	SHEET NO.
0003-023-107	2A

TYPICAL SECTIONS

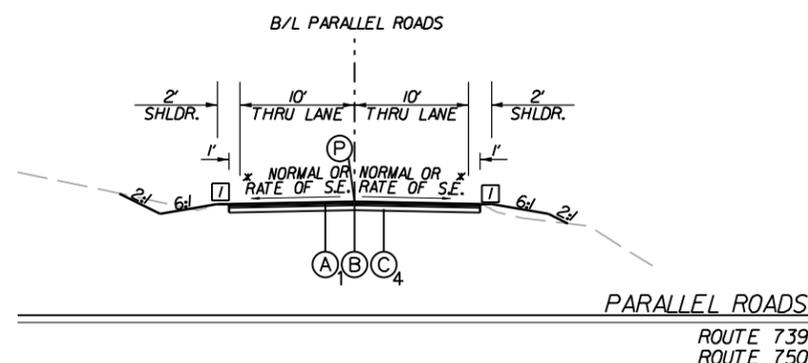
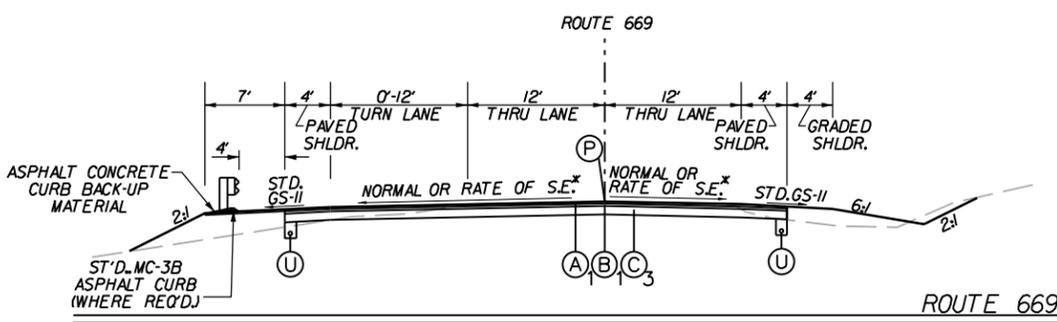
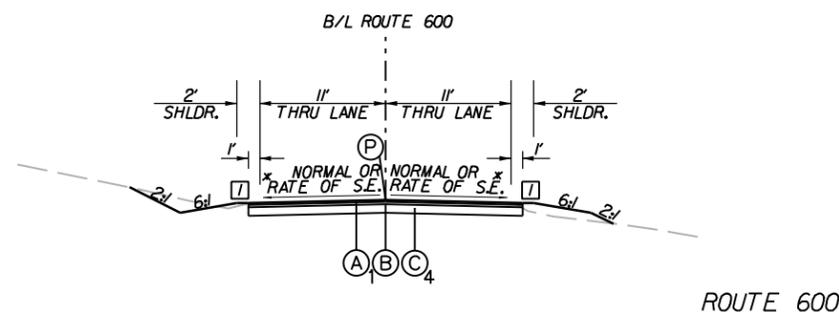
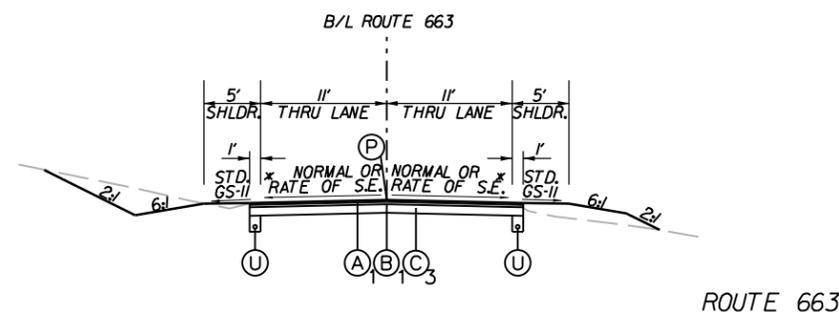
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107 PE-101	2B

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



ROUTE 3 WIDENING
 WESTBOUND STA. 1361+32.31 TO STA. 1373+64.37
 EASTBOUND STA. 360+97.20 TO STA. 373+48.34



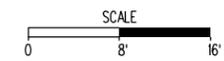
LEGEND

- | | | |
|---|--|--|
| (A) 2.0" Asphalt Concrete, SM-12.5D | (C ₃) 9.0" Dense-Graded Aggregate, Type I, Size No. 21-B | (M) Mill 4.0" of Existing Pavement |
| (A ₁) 2.0" Asphalt Concrete, SM-12.5A | (C ₄) 5.0" Dense-Graded Aggregate, Type I, Size No. 21-A | (M ₁) Mill 2.0" of Existing Pavement |
| (B) 2.0" Asphalt Concrete, IM-19.0A | (D) 10.0" Dense-Graded Aggregate, Type I, Size No. 21-B | (P) Profile Grade Line |
| (B ₁) 2.5" Asphalt Concrete, IM-19.0A | (F) Full Depth Saw Cut | (R) Retaining Wall |
| (C) 5.0" Asphalt Concrete, BM-25.0A | (G) Curb, S't.d. CG-4 | (U) Underdrain, S't.d. UD-4 |
| (C ₁) 15.0" Dense Graded Aggregate, Type I, Size No. 21-B | (H) Curb and Gutter, S't.d. CG-7 | (U ₁) Underdrain, S't.d. UD-2 |
| (C ₂) 4.0" Asphalt Concrete, BM-25.0A | (I) Barrier, S't.d. MB-7F | |



STD. GS-12

*NORMAL CROWN = 0.020 FT./FT.



PROJECT MANAGER *Harold Jones (540) 829-7320*
 SURVEYED BY *Michael Mauro, L.S. (540) 829-7551*
 DESIGN SUPERVISED BY *Dewberry Consultants LLC - (703) 289-4796*
 DESIGNED BY *Dewberry Consultants LLC - (703) 289-4796*

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107 PE-101	4

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

Dewberry Consultants LLC
 Fairfax, Virginia
 ROADWAY ENGINEER

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

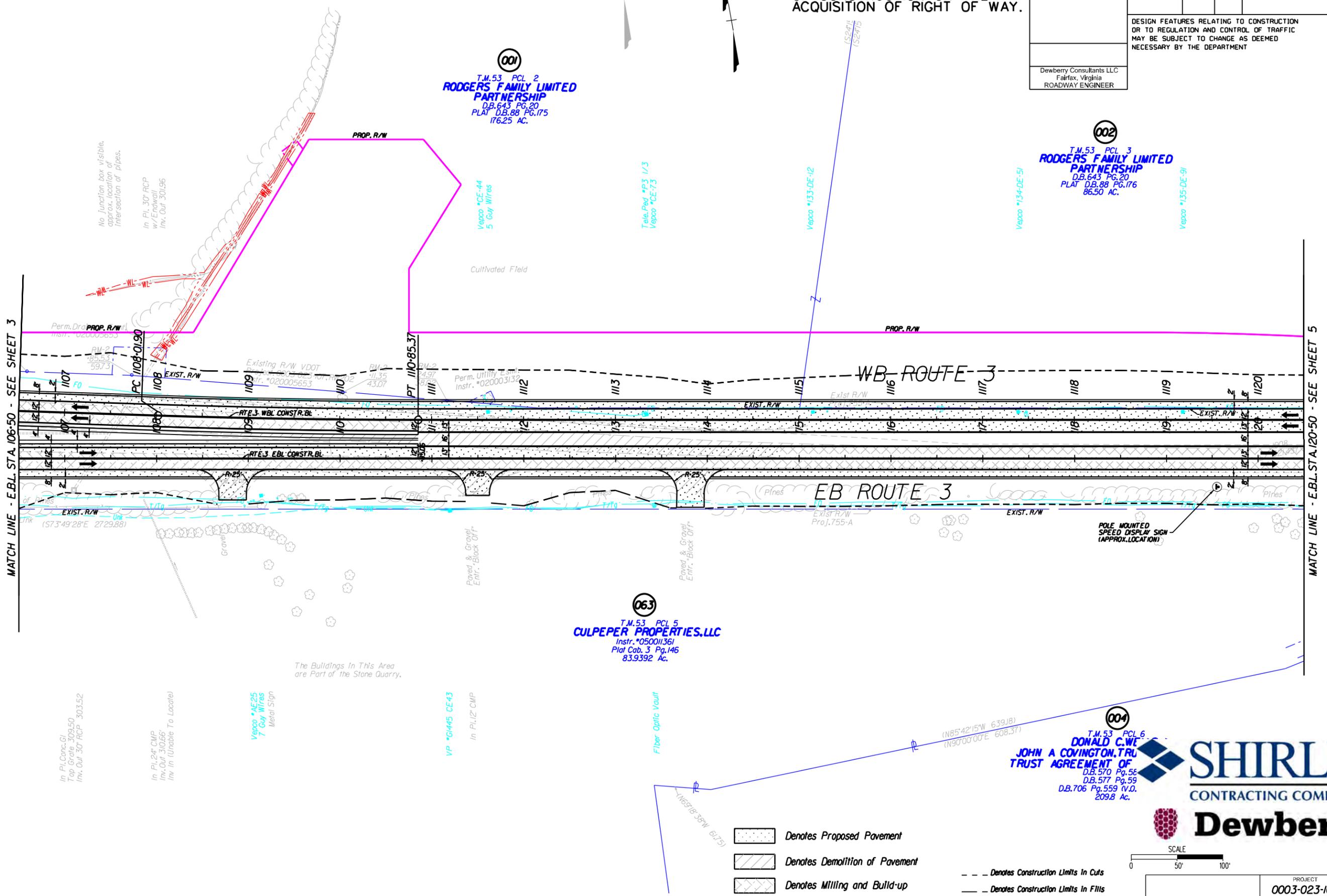
002
 T.M. 53 PCL 3
RODGERS FAMILY LIMITED PARTNERSHIP
 D.B. 643 Pg. 20
 PLAT D.B. 88 Pg. 176
 86.50 AC.

063
 T.M. 53 PCL 5
CULPEPER PROPERTIES, LLC
 Instr. *050011361
 Plat Cab. 3 Pg. 146
 83.9392 Ac.

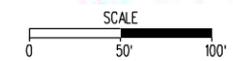
004
 T.M. 53 PCL 6
JOHN A COVINGTON, TRU TRUST AGREEMENT OF DONALD C. WE
 D.B. 570 Pg. 56
 D.B. 577 Pg. 59
 D.B. 706 Pg. 559 IV.D.
 209.8 Ac.

MATCH LINE - EBL STA. 106+50 - SEE SHEET 3

MATCH LINE - EBL STA. 120+50 - SEE SHEET 5



- Denotes Proposed Pavement
- Denotes Demolition of Pavement
- Denotes Milling and Build-up
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills



SHIRLEY CONTRACTING COMPANY, LLC
Dewberry

PROJECT	SHEET NO.
0003-023-107	4

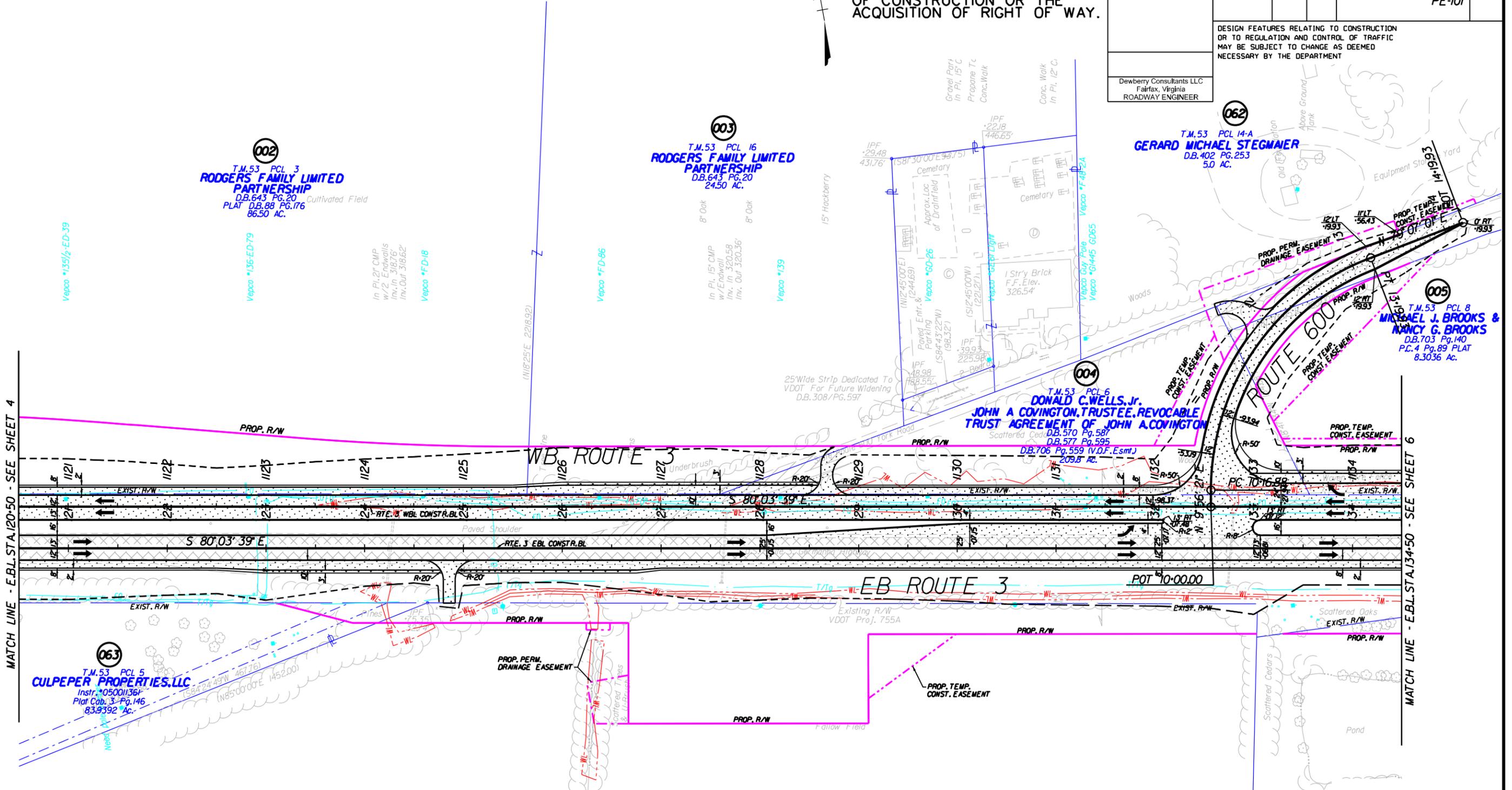
PROJECT MANAGER *Harold Jones (540) 829-7320*
 SURVEYED BY *Michael Mauro, L.S. (540) 829-7551*
 DESIGN SUPERVISED BY *Dewberry Consultants LLC - (703) 289-4796*
 DESIGNED BY *Dewberry Consultants LLC - (703) 289-4796*

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107 PE-101	5

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

Dewberry Consultants LLC
 Fairfax, Virginia
 ROADWAY ENGINEER



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

003
 T.M. 53 PCL 16
RODGERS FAMILY LIMITED PARTNERSHIP
 D.B. 643 Pg. 20
 24.50 AC.
 8" Oak
 8" Oak
 15' Hackberry

T.M. 53 PCL 14-A
GERARD MICHAEL STEGMAIER
 D.B. 402 Pg. 253
 5.0 AC.

T.M. 53 PCL 6
DONALD C. WELLS, JR.
JOHN A. COVINGTON, TRUSTEE, REVOCABLE TRUST AGREEMENT OF JOHN A. COVINGTON
 Scattered Ced. D.B. 570 Pg. 587
 D.B. 577 Pg. 595
 D.B. 706 Pg. 559 (V.O.F. E.sml.)
 209.8 AC.

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

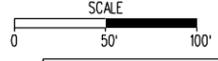
063
 T.M. 53 PCL 5
CULPEPER PROPERTIES, LLC
 Instr. 050011361
 Plat Cdb. 3 Pg. 146
 83.9392 AC.

004
 T.M. 53 PCL 6
DONALD C. WELLS, JR.
JOHN A. COVINGTON, TRUSTEE, R. TRUST AGREEMENT OF JOHN A.
 D.B. 570 Pg. 587
 D.B. 577 Pg. 595
 D.B. 706 Pg. 559 (V.O.F. E.sml.)
 209.8 AC.

-  Denotes Proposed Pavement
-  Denotes Demolition of Pavement
-  Denotes Milling and Build-up

- - - Denotes Construction Limits in Cuts
- — — Denotes Construction Limits in Fills





MATCH LINE - E.B.L. STA. 120+50 - SEE SHEET 4

MATCH LINE - E.B.L. STA. 134+50 - SEE SHEET 6

PROJECT	SHEET NO.
0003-023-107	5

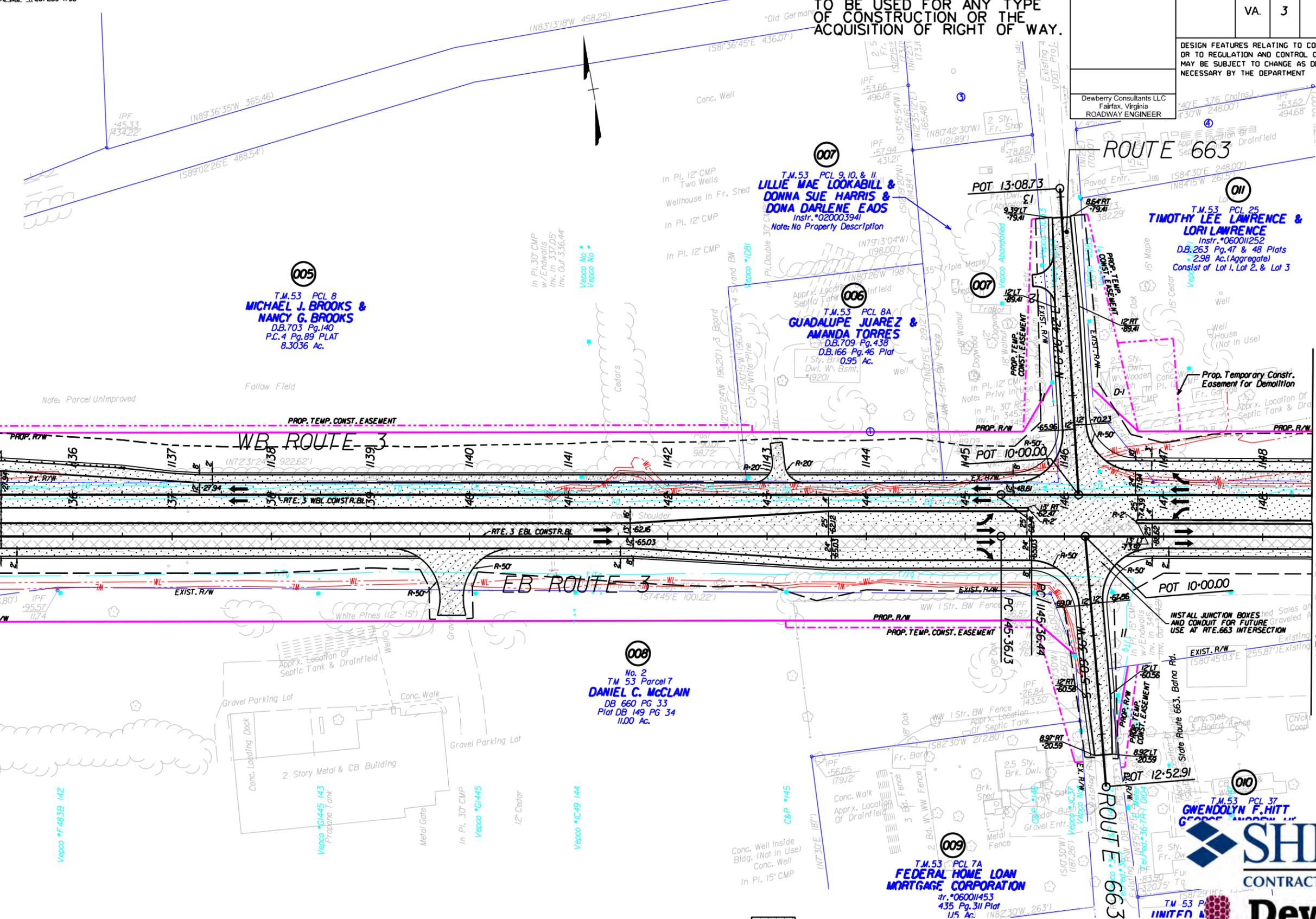
PROJECT MANAGER *Harold Jones (540) 829-1320*
 SURVEYED BY *Michael Mauro, L.S. (540) 829-1551*
 DESIGN SUPERVISED BY *Dewberry Consultants LLC - (703) 289-4796*
 DESIGNED BY *Dewberry Consultants LLC - (703) 289-4796*

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107 PE-101	6

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

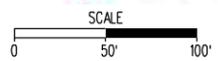
Dewberry Consultants LLC
 Fairfax, Virginia
 ROADWAY ENGINEER



MATCH LINE - EBL STA. 134+50 - SEE SHEET 5

MATCH LINE - EBL STA. 148+50 - SEE SHEET 7

- Denotes Proposed Pavement
- Denotes Demolition of Pavement
- Denotes Milling and Build-up
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills



PROJECT 0003-023-107	SHEET NO. 6
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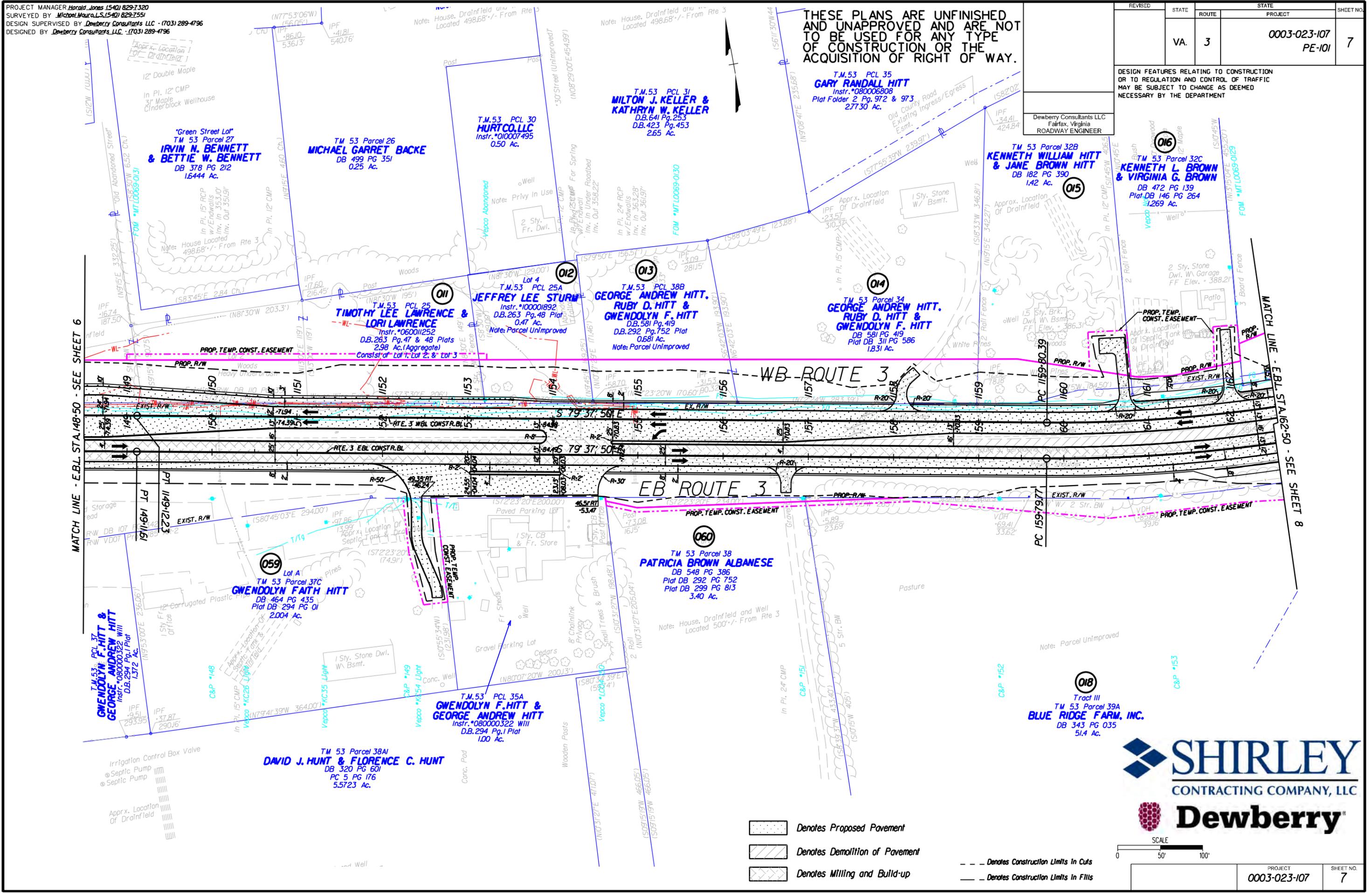
PROJECT MANAGER *Harold Jones* (540) 829-1320
 SURVEYED BY *Michael Mauro*, L.S. (540) 829-1551
 DESIGN SUPERVISED BY *Dewberry Consultants LLC* - (703) 289-4796
 DESIGNED BY *Dewberry Consultants LLC* - (703) 289-4796

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107 PE-101	7

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

Dewberry Consultants LLC
 Fairfax, Virginia
 ROADWAY ENGINEER

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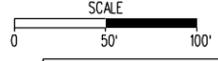
MATCH LINE - E.B.L. STA. 148+50 - SEE SHEET 6

MATCH LINE - E.B.L. STA. 162+50 - SEE SHEET 8

- Denotes Proposed Pavement
- Denotes Demolition of Pavement
- Denotes Milling and Build-up
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

SHIRLEY
 CONTRACTING COMPANY, LLC

Dewberry



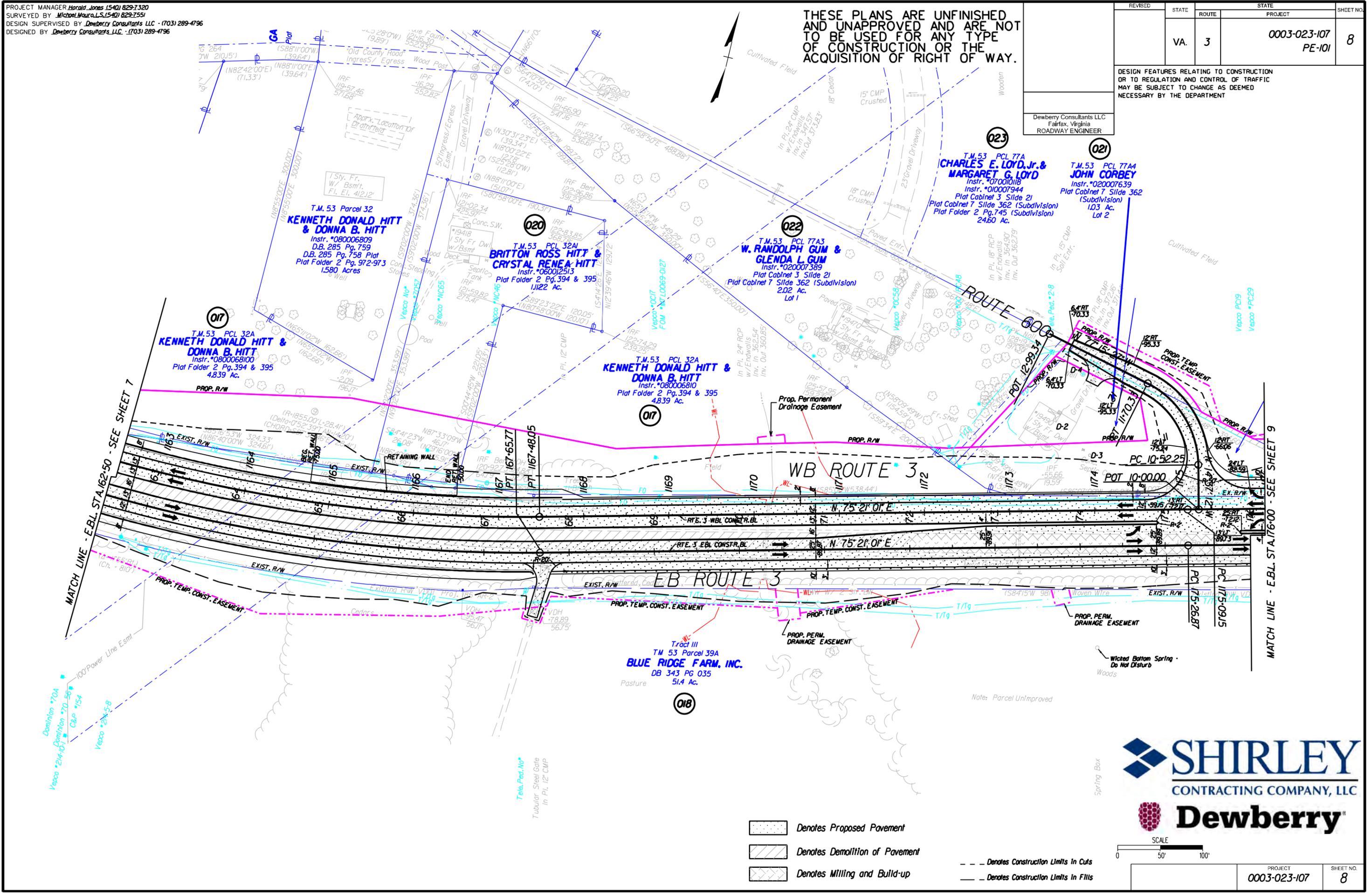
PROJECT	SHEET NO.
0003-023-107	7

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

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107 PE-101	8

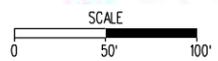
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Dewberry Consultants LLC
 Fairfax, Virginia
 ROADWAY ENGINEER



- Denotes Proposed Pavement
- Denotes Demolition of Pavement
- Denotes Milling and Build-up

- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills



PROJECT MANAGER *Harold Jones (540) 829-7320*
 SURVEYED BY *Michael Mauro, L.S. (540) 829-7551*
 DESIGN SUPERVISED BY *Dewberry Consultants LLC - (703) 289-4796*
 DESIGNED BY *Dewberry Consultants LLC - (703) 289-4796*

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

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

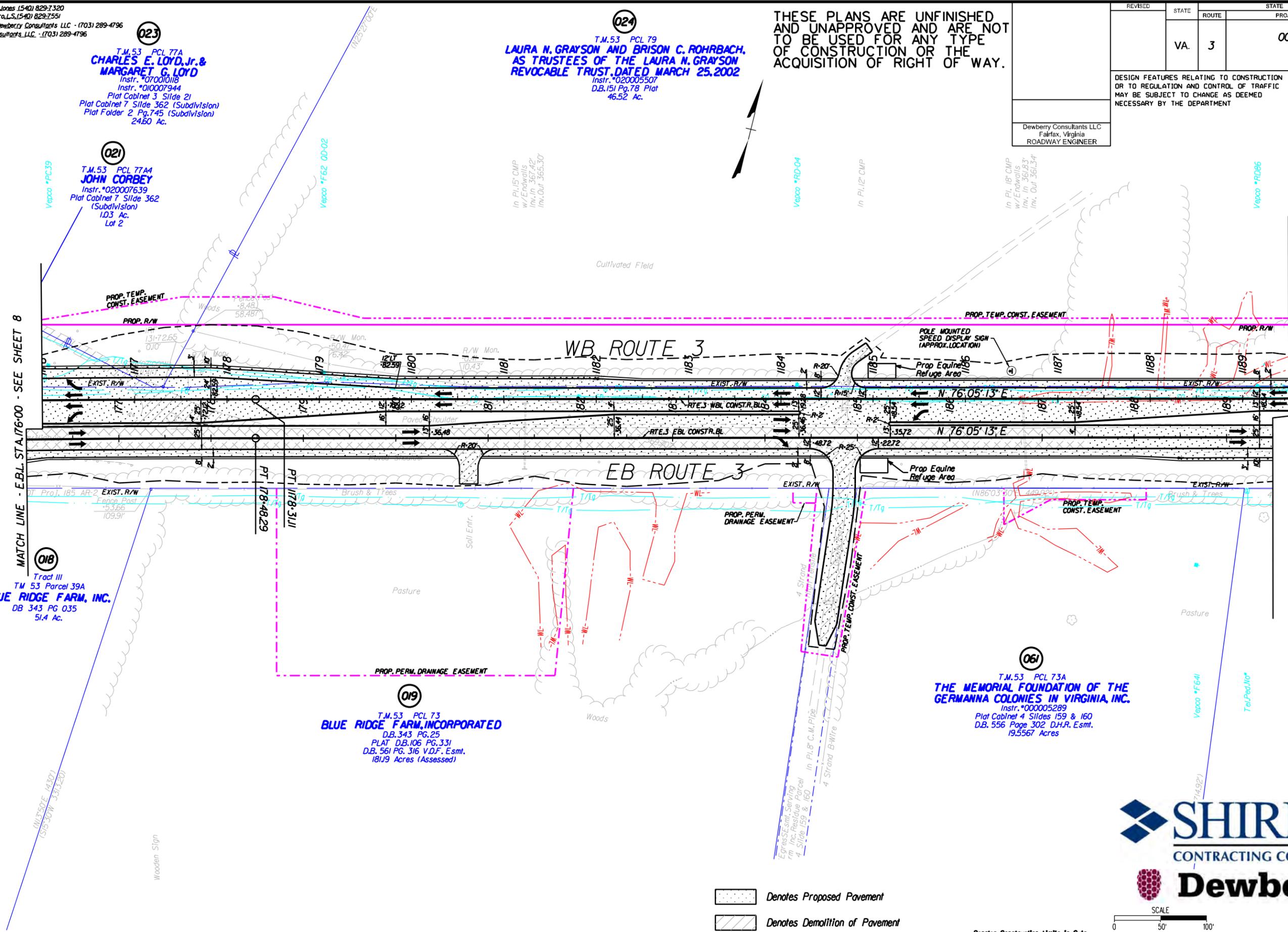
024
 T.M. 53 PCL 79
LAURA N. GRAYSON AND BRISON C. ROHRBACH, AS TRUSTEES OF THE LAURA N. GRAYSON REVOCABLE TRUST DATED MARCH 25, 2002
 Instr. *020005507
 D.B. 151 Pg. 78 Plat
 46.52 Ac.

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107 PE-101	9

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

Dewberry Consultants LLC
 Fairfax, Virginia
 ROADWAY ENGINEER



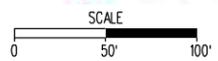
018
 Tract III
 TM 53 Parcel 39A
BLUE RIDGE FARM, INC.
 DB 343 PG 035
 51.4 Ac.

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

061
 T.M. 53 PCL 73A
THE MEMORIAL FOUNDATION OF THE GERMANIA COLONIES IN VIRGINIA, INC.
 Instr. *000005289
 Plat Cabinet 4 Sildes 159 & 160
 D.B. 556 Page 302 D.H.R. Esmt.
 19.5567 Acres

-  Denotes Proposed Pavement
-  Denotes Demolition of Pavement
-  Denotes Milling and Build-up

-  Denotes Construction Limits in Cuts
-  Denotes Construction Limits in Fills



SHIRLEY
 CONTRACTING COMPANY, LLC

Dewberry

PROJECT	SHEET NO.
0003-023-107	9

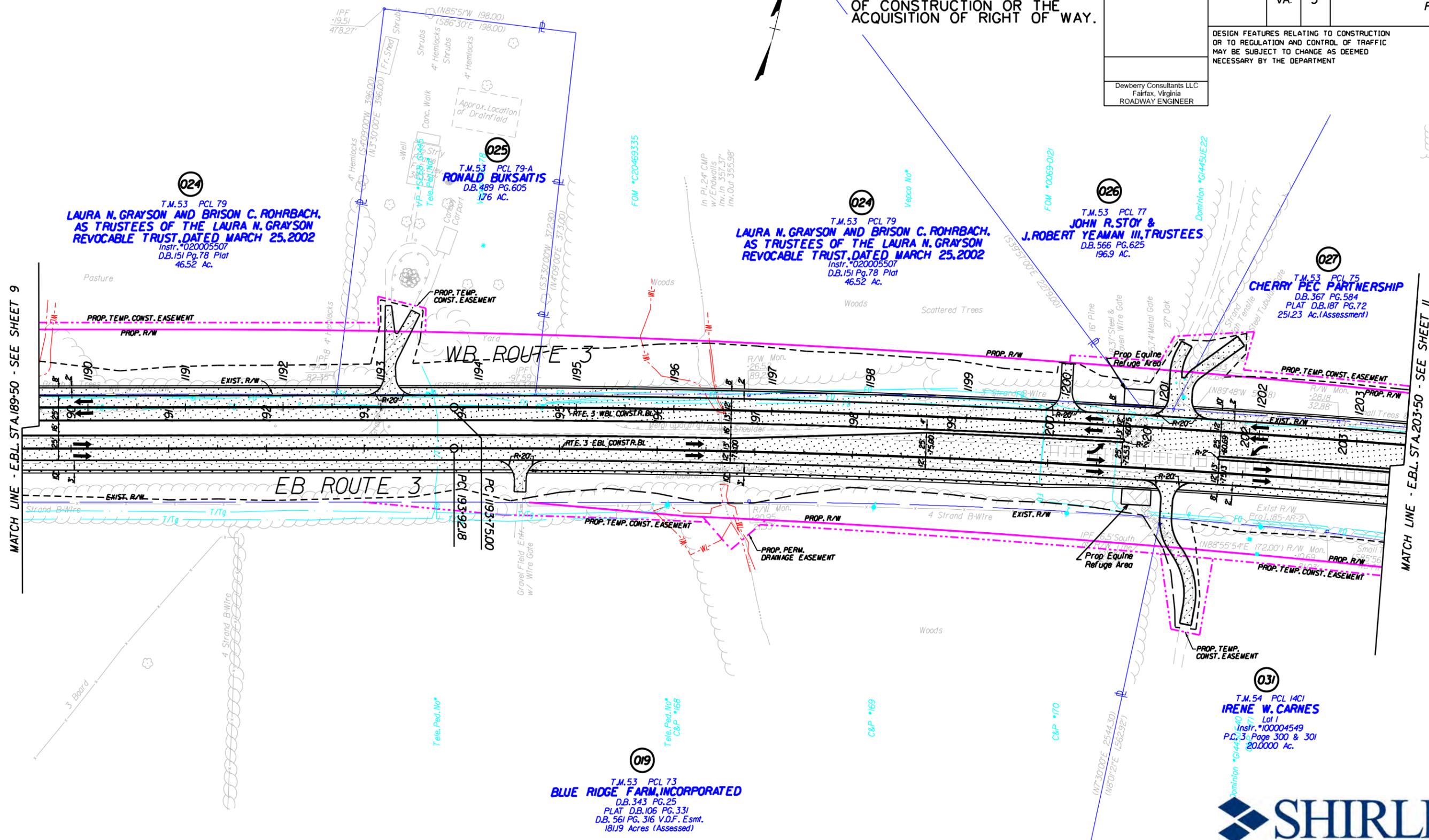
PROJECT MANAGER *Harold Jones (540) 829-7320*
 SURVEYED BY *Michael Mauro, L.S. (540) 829-7551*
 DESIGN SUPERVISED BY *Dewberry Consultants LLC - (703) 289-4796*
 DESIGNED BY *Dewberry Consultants LLC - (703) 289-4796*

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107 PE-101	10

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

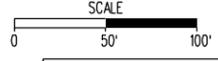
Dewberry Consultants LLC
 Fairfax, Virginia
 ROADWAY ENGINEER



- Denotes Proposed Pavement
- Denotes Demolition of Pavement
- Denotes Milling and Build-up
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

SHIRLEY
 CONTRACTING COMPANY, LLC

Dewberry



PROJECT	SHEET NO.
0003-023-107	10

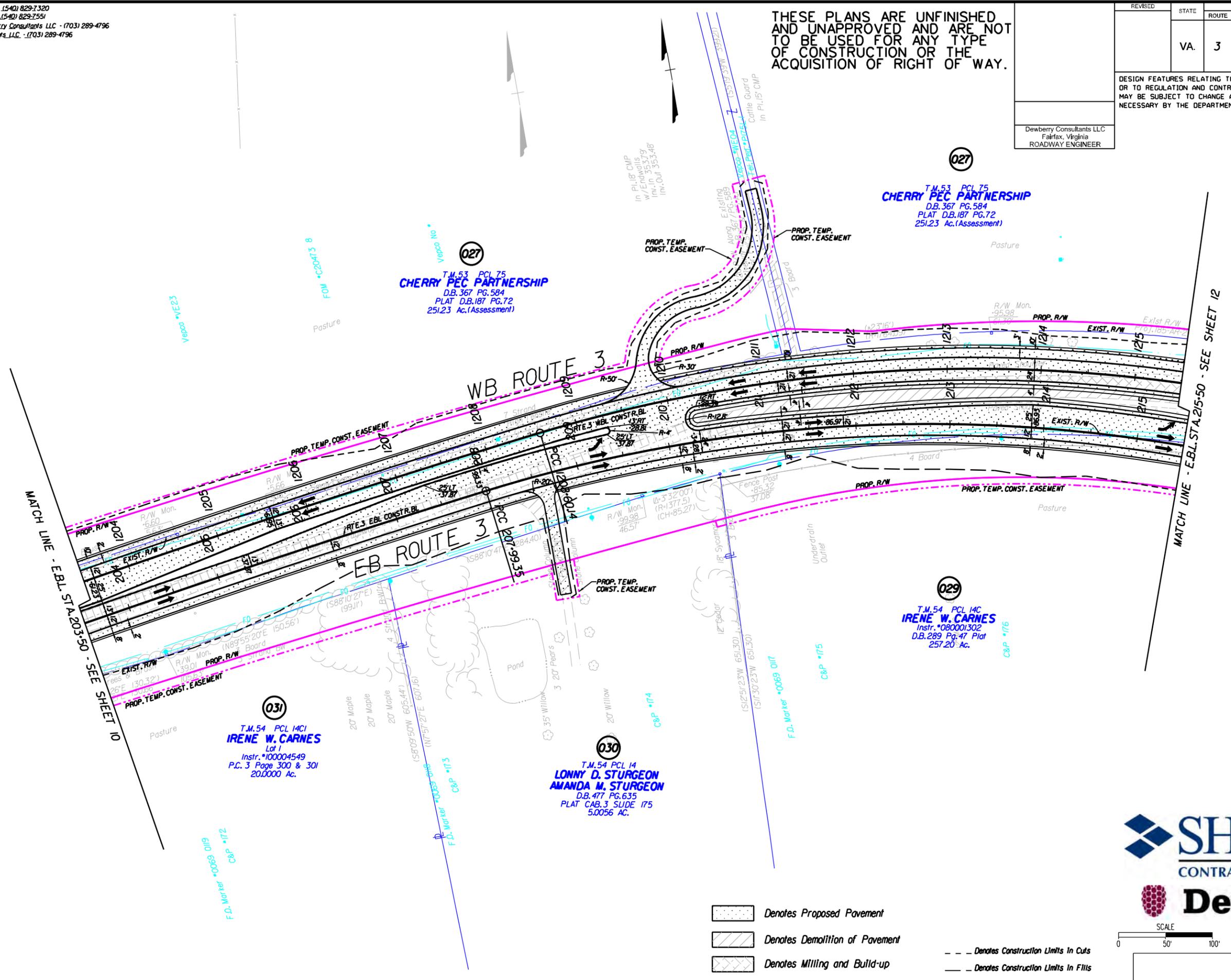
PROJECT MANAGER *Harold Jones (540) 829-7320*
 SURVEYED BY *Michael Mauro, L.S. (540) 829-7551*
 DESIGN SUPERVISED BY *Dewberry Consultants LLC - (703) 289-4796*
 DESIGNED BY *Dewberry Consultants LLC - (703) 289-4796*

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107 PE-101	11

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

Dewberry Consultants LLC
 Fairfax, Virginia
 ROADWAY ENGINEER



031
 T.M. 54 PCL 14C
IRENE W. CARNES
 Lot 1
 Instr. *100004549
 P.C. 3 Page 300 & 301
 20.0000 Ac.

030
 T.M. 54 PCL 14
LONNY D. STURGEON
AMANDA M. STURGEON
 D.B. 477 PG. 635
 PLAT CAB. 3 SLIDE 175
 5.0056 AC.

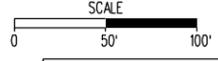
029
 T.M. 54 PCL 14C
IRENE W. CARNES
 Instr. *080001302
 D.B. 289 Pg. 47 Plat
 257.20 Ac.

027
 T.M. 53 PCL 75
CHERRY PEC PARTNERSHIP
 D.B. 367 PG. 584
 PLAT D.B. 187 PG. 72
 251.23 Ac. (Assessment)

027
 T.M. 53 PCL 75
CHERRY PEC PARTNERSHIP
 D.B. 367 PG. 584
 PLAT D.B. 187 PG. 72
 251.23 Ac. (Assessment)

-  Denotes Proposed Pavement
-  Denotes Demolition of Pavement
-  Denotes Milling and Build-up

- - - Denotes Construction Limits in Cuts
- — — Denotes Construction Limits in Fills



PROJECT	SHEET NO.
0003-023-107	11

PROJECT MANAGER *Harold Jones (540) 829-7320*
 SURVEYED BY *Michael Mauro, L.S. (540) 829-7351*
 DESIGN SUPERVISED BY *Dewberry Consultants LLC - (703) 289-4796*
 DESIGNED BY *Dewberry Consultants LLC - (703) 289-4796*

027
 T.M. 53 PCL 75
CHERRY PEC PARTNERSHIP
 D.B. 367 PG. 584
 PLAT D.B. 187 PG. 72
 251.23 Ac. (Assessment)

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107 PE-101	12

DESIGN FEATURES RELATING TO CONSTRUCTION
 OR TO REGULATION AND CONTROL OF TRAFFIC
 MAY BE SUBJECT TO CHANGE AS DEEMED
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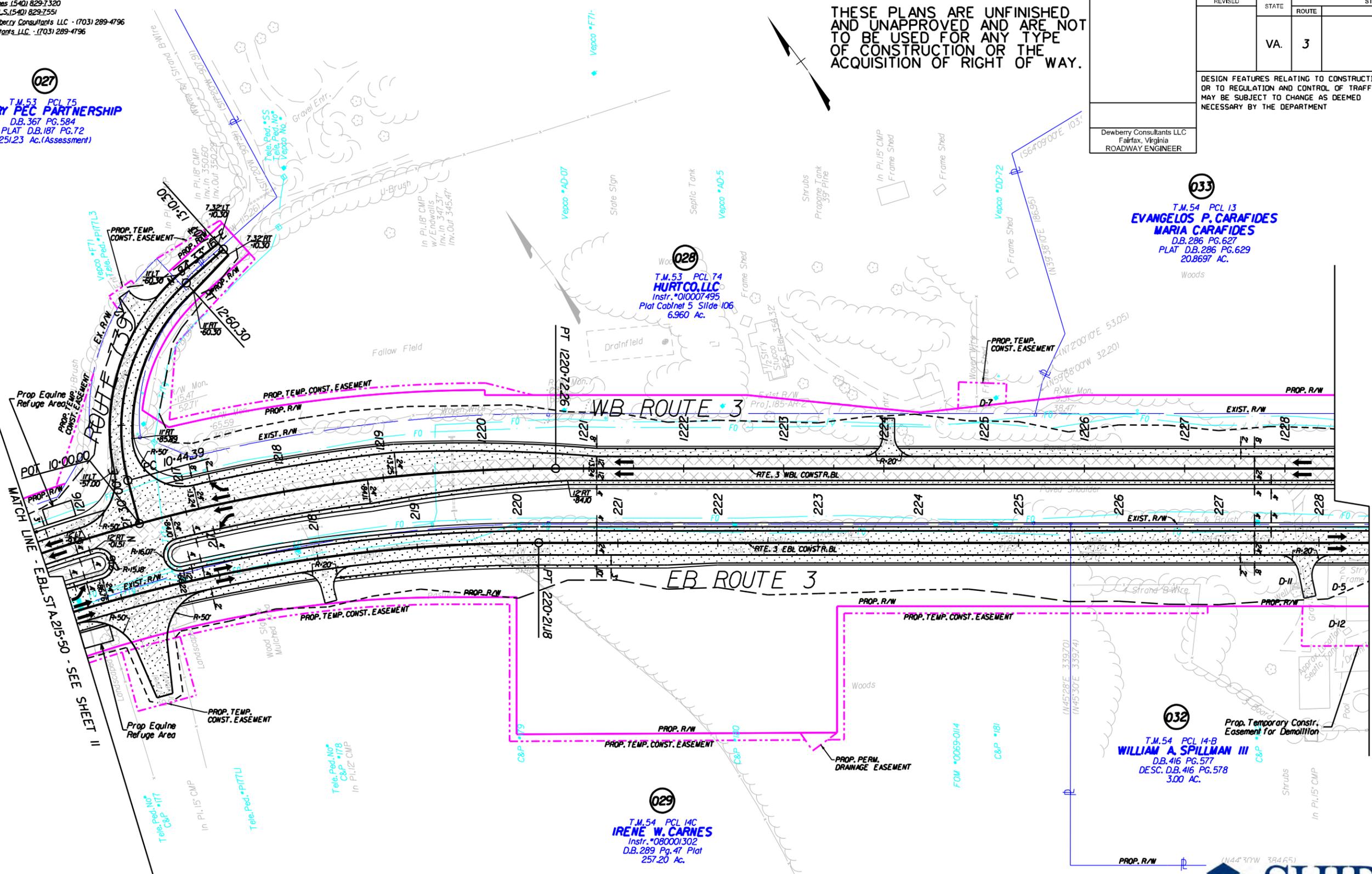
Dewberry Consultants LLC
 Fairfax, Virginia
 ROADWAY ENGINEER

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

028
 T.M. 53 PCL 74
HURT CO. LLC
 Instr. *010007495
 Plat Cabinet 5 Slide 106
 6.960 Ac.

032
 T.M. 54 PCL 14-B
WILLIAM A. SPILLMAN III
 D.B. 416 PG. 577
 DESC. D.B. 416 PG. 578
 3.00 AC.

029
 T.M. 54 PCL 14C
IRENE W. CARNES
 Instr. *080001302
 D.B. 289 Pg. 47 Plat
 257.20 Ac.

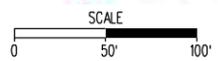


MATCH LINE - E.B.L STA 215-50 - SEE SHEET II

MATCH LINE - E.B.L STA 228-50 - SEE SHEET 13

- Denotes Proposed Pavement
- Denotes Demolition of Pavement
- Denotes Milling and Build-up

- - - Denotes Construction Limits in Cuts
- — — Denotes Construction Limits in Fills



SHIRLEY
 CONTRACTING COMPANY, LLC
Dewberry

PROJECT	SHEET NO.
0003-023-107	12

PROJECT MANAGER *Harold Jones* (540) 829-7320
 SURVEYED BY *Michael Mauro, L.S.* (540) 829-7551
 DESIGN SUPERVISED BY *Dewberry Consultants LLC* - (703) 289-4796
 DESIGNED BY *Dewberry Consultants LLC* - (703) 289-4796

12

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

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107 PE-101	13

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

Dewberry Consultants LLC
 Fairfax, Virginia
 ROADWAY ENGINEER

In P.L.12 CMP
 FOM *0069-0109

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

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

034
 T.M.54 PCL 14A
**MARKHAM D. SMITH, SCOTT P. SMITH, &
 DOUGLAS S. SMITH**
 D.B. 723 Pg. 700
 D.B. 174 Pg. 134 Plat
 30.00 Ac.

036
 T.M.54 PCL 16
JOHN M. WARNER
 D.B. 627 PG. 455
 12.01 AC.

029
 T.M.54 PCL 14C
IRENE W. CARNES
 Instr. *080001302
 D.B. 289 Pg. 47 Plat
 257.20 Ac.

032
 T.M.54 PCL 14B
WILLIAM A. SPILLMAN III
 D.B. 416 PG. 577
 DESC. D.B. 416 PG. 578
 3.00 AC.

MATCH LINE - E.B.L. STA. 228+50 - SEE SHEET 12

MATCH LINE - E.B.L. STA. 242+50 - SEE SHEET 14

Veppo *AD-72

Veppo *BC-38

FOM *C20475370
 Veppo *BC34

Veppo F-77
 Veppo F-77
 In P.L.12 CMP
 FOM *0069-0109

FOM *0069-0112

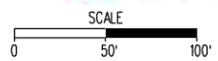
In P.L.15 CMP
 FOM *0069-0110

C&P 187

C&P *183

-  Denotes Proposed Pavement
-  Denotes Demolition of Pavement
-  Denotes Milling and Build-up

-  Denotes Construction Limits in Cuts
-  Denotes Construction Limits in Fills



PROJECT	SHEET NO.
0003-023-107	13

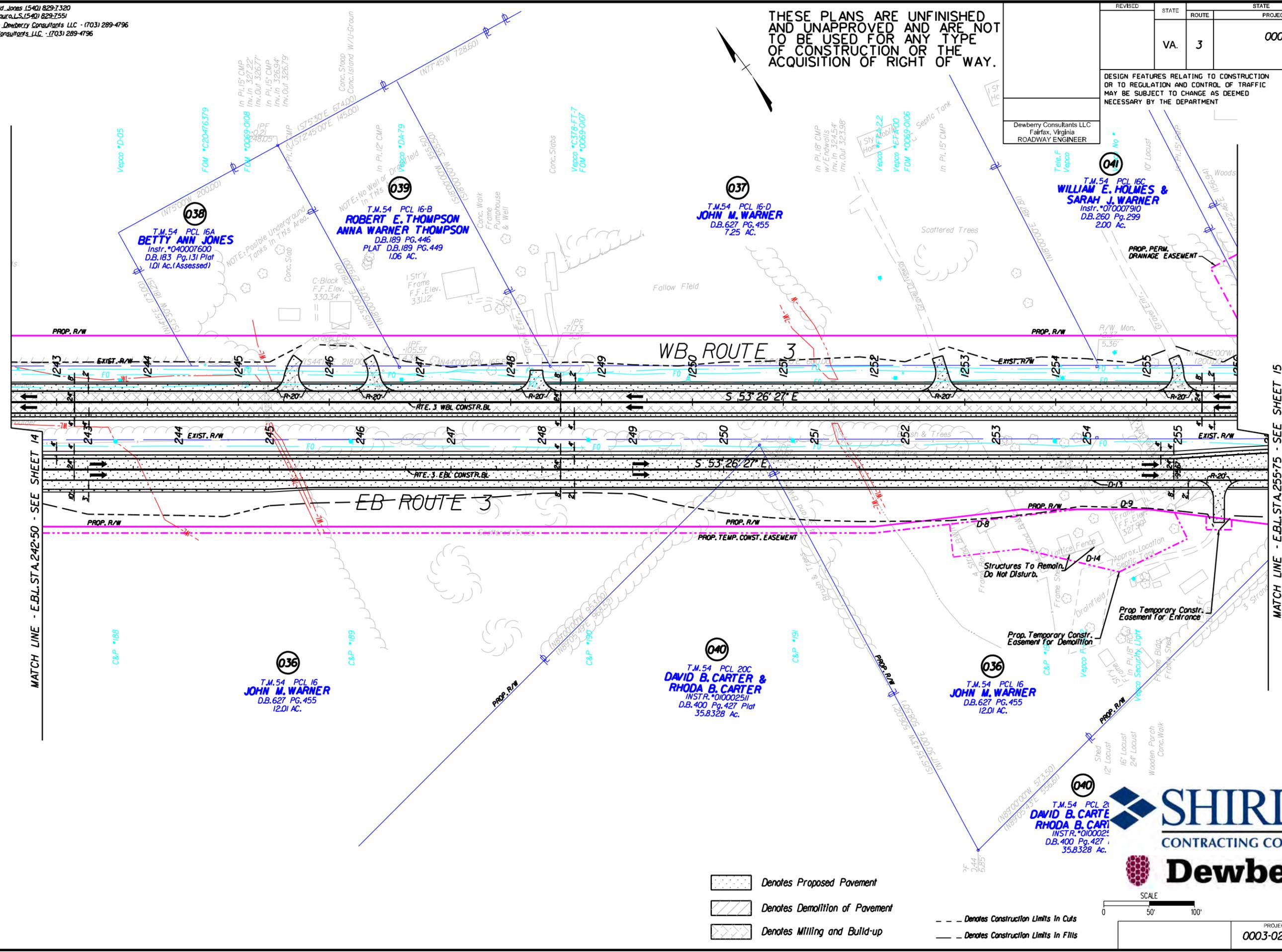
PROJECT MANAGER *Harold Jones (540) 829-1320*
 SURVEYED BY *Michael Mauro, L.S. (540) 829-1551*
 DESIGN SUPERVISED BY *Dewberry Consultants LLC - (703) 289-4796*
 DESIGNED BY *Dewberry Consultants LLC - (703) 289-4796*

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 AND UNAPPROVED AND ARE NOT
 TO BE USED FOR ANY TYPE
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 ACQUISITION OF RIGHT OF WAY.

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107 PE-101	14

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

Dewberry Consultants LLC
 Fairfax, Virginia
 ROADWAY ENGINEER

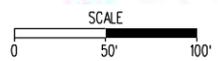


MATCH LINE - E.B.L. STA. 242+50 - SEE SHEET 14

MATCH LINE - E.B.L. STA. 255+75 - SEE SHEET 15

-  Denotes Proposed Pavement
-  Denotes Demolition of Pavement
-  Denotes Milling and Build-up

- - - Denotes Construction Limits in Cuts
- — — Denotes Construction Limits in Fills





PROJECT	SHEET NO.
0003-023-107	14

PROJECT MANAGER *Harold Jones (540) 829-7320*
 SURVEYED BY *Michael Mauro, L.S. (540) 829-7551*
 DESIGN SUPERVISED BY *Dewberry Consultants LLC - (703) 289-4796*
 DESIGNED BY *Dewberry Consultants LLC - (703) 289-4796*

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107 PE-101	15

DESIGN FEATURES RELATING TO CONSTRUCTION
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 MAY BE SUBJECT TO CHANGE AS DEEMED
 NECESSARY BY THE DEPARTMENT

Dewberry Consultants LLC
 Fairfax, Virginia
 ROADWAY ENGINEER

042
 T.M.54 PCL 25BI
COSMOPOLITAN INVESTMENTS, LLC
 D.B. 612 PG. 776
 PLAT D.B. 3 PG. 94
 26.13 AC.

043
 T.M.54 PCL 25A
METROPOLITAN INVESTMENTS, LLC
 D.B. 571 PG. 674
 D.B. 466 PG. 753
 PLAT CABIENT 3 PG. 94
 17.22 AC.

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

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

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

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

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

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

-  Denotes Proposed Pavement
-  Denotes Demolition of Pavement
-  Denotes Milling and Build-up
- - - Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills



PROJECT	SHEET NO.
0003-023-107	15

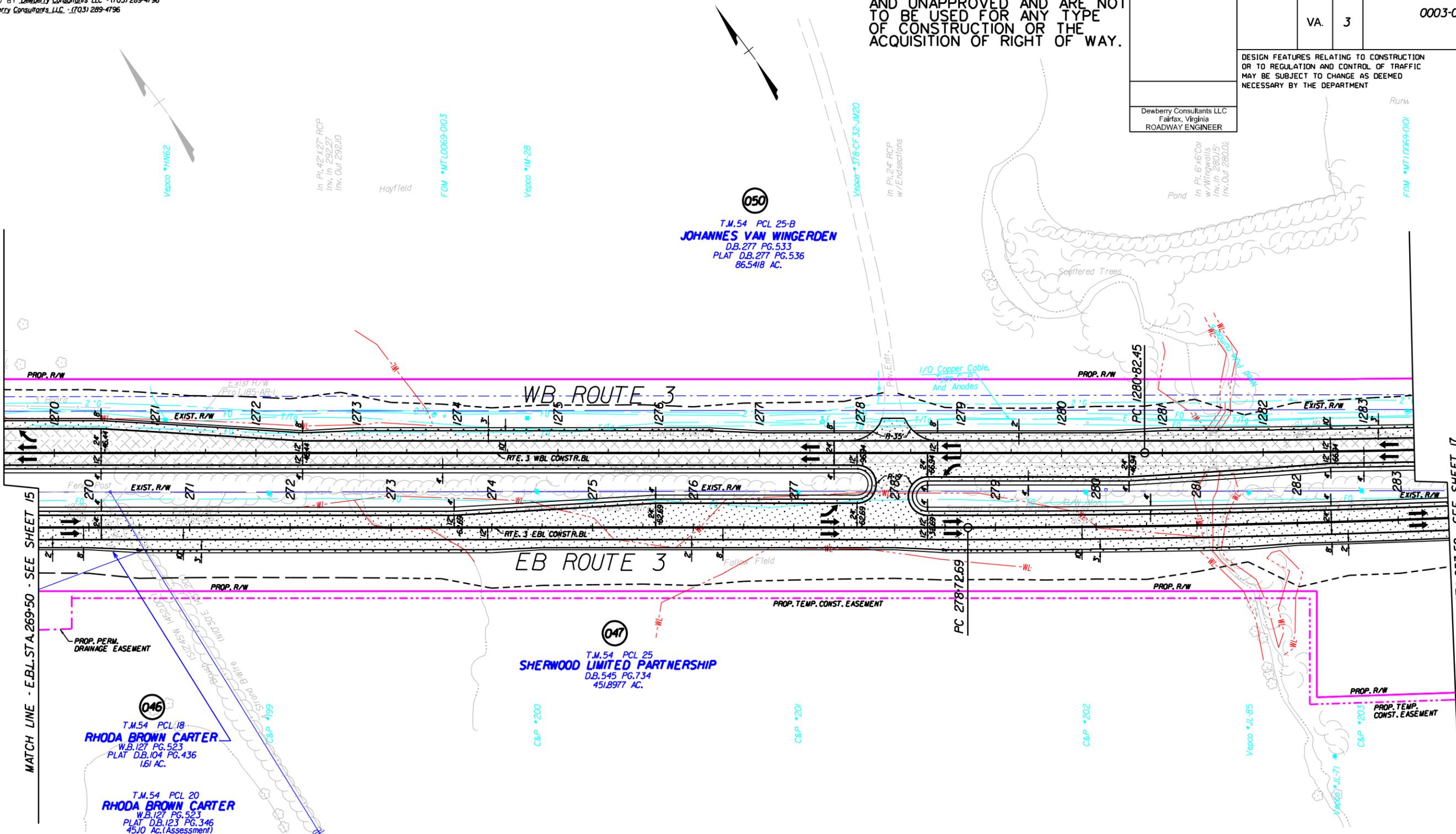
PROJECT MANAGER *Harold Jones (540) 829-7320*
 SURVEYED BY *Michael Mauro, L.S. (540) 829-7551*
 DESIGN SUPERVISED BY *Dewberry Consultants LLC - (703) 289-4796*
 DESIGNED BY *Dewberry Consultants LLC - (703) 289-4796*

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107 PE-101	16

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Dewberry Consultants LLC
 Fairfax, Virginia
 ROADWAY ENGINEER



050
 T.M. 54 PCL 25-B
JOHANNES VAN WINGERDEN
 D.B. 277 PG. 533
 PLAT D.B. 277 PG. 536
 86.5418 AC.

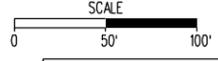
047
 T.M. 54 PCL 25
SHERWOOD LIMITED PARTNERSHIP
 D.B. 545 PG. 734
 451.8977 AC.

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

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

- Denotes Proposed Pavement
- Denotes Demolition of Pavement
- Denotes Milling and Build-up

- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills



PROJECT	SHEET NO.
0003-023-107	16

MATCH LINE - E.B.L. STA. 269+50 - SEE SHEET 15

MATCH LINE - E.B.L. STA. 283+50 - SEE SHEET 17

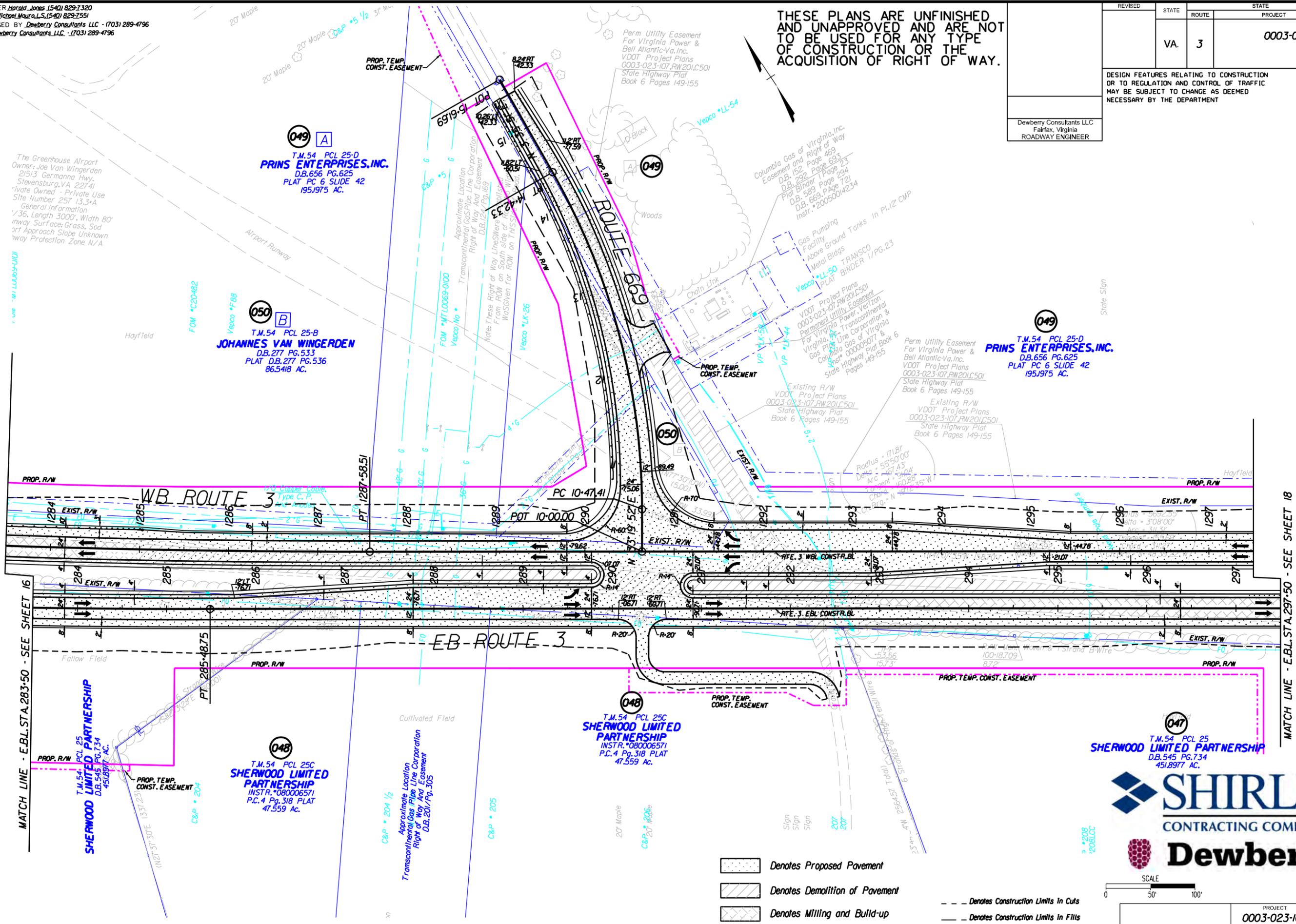
PROJECT MANAGER *Harold Jones (540) 829-1320*
 SURVEYED BY *Michael Mauro, L.S. (540) 829-1551*
 DESIGN SUPERVISED BY *Dewberry Consultants LLC - (703) 289-4796*
 DESIGNED BY *Dewberry Consultants LLC - (703) 289-4796*

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107 PE-101	17

DESIGN FEATURES RELATING TO CONSTRUCTION
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MATCH LINE - E.B.L. STA. 283+50 - SEE SHEET 16

MATCH LINE - E.B.L. STA. 297+50 - SEE SHEET 18

- Denotes Proposed Pavement
- Denotes Demolition of Pavement
- Denotes Milling and Build-up

- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills



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

048
 T.M. 54 PCL 25C
SHERWOOD LIMITED PARTNERSHIP
 INSTR. 080006571
 P.C. 4 Pg. 318 PLAT
 47.559 AC.

048
 T.M. 54 PCL 25C
SHERWOOD LIMITED PARTNERSHIP
 INSTR. 080006571
 P.C. 4 Pg. 318 PLAT
 47.559 AC.

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

050
 T.M. 54 PCL 25-B
JOHANNES VAN WINGERDEN
 D.B. 277 PG. 533
 PLAT D.B. 277 PG. 536
 86.5418 AC.

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

The Greenhouse Airport
 Owner: Joe Van Wingerden
 21513 Germanna Hwy,
 Stevensburg, VA 22741
 Private Owned - Private Use
 Site Number 257 13.3+A
 General Information
 1/36, Length 3000', Width 80'
 Inway Surface: Grass, Sod
 ort Approach Slope Unknown
 Inway Protection Zone N/A

PROJECT	SHEET NO.
0003-023-107	17

PROJECT MANAGER *Harold Jones (540) 829-7320*
 SURVEYED BY *Michael Mauro, L.S. (540) 829-7351*
 DESIGN SUPERVISED BY *Dewberry Consultants LLC - (703) 289-4796*
 DESIGNED BY *Dewberry Consultants LLC - (703) 289-4796*

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107 PE-101	18

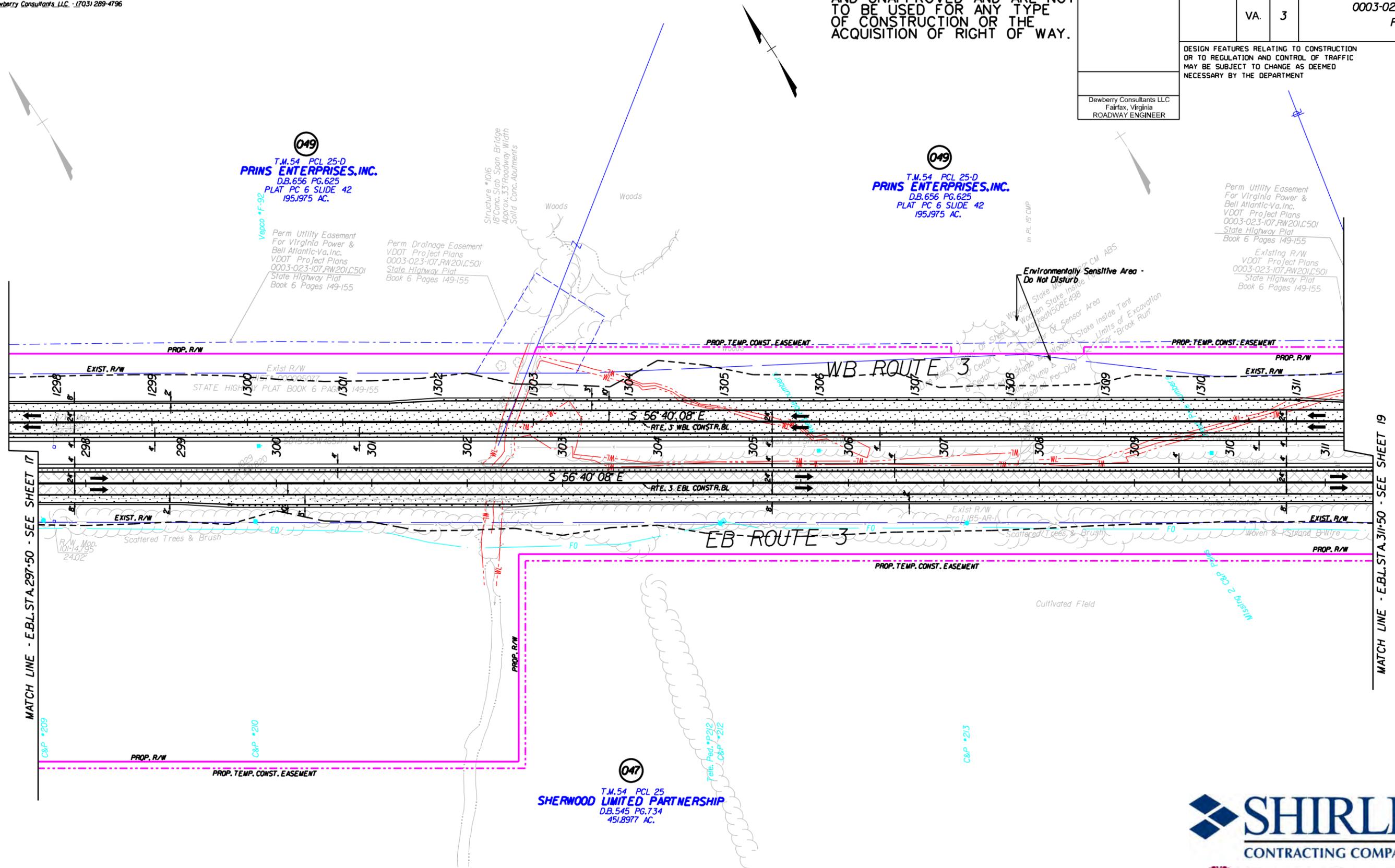
DESIGN FEATURES RELATING TO CONSTRUCTION
 OR TO REGULATION AND CONTROL OF TRAFFIC
 MAY BE SUBJECT TO CHANGE AS DEEMED
 NECESSARY BY THE DEPARTMENT

Dewberry Consultants LLC
 Fairfax, Virginia
 ROADWAY ENGINEER

049
 T.M.54 PCL 25-D
PRINS ENTERPRISES, INC.
 D.B.656 PG.625
 PLAT PC 6 SLIDE 42
 195,975 AC.

049
 T.M.54 PCL 25-D
PRINS ENTERPRISES, INC.
 D.B.656 PG.625
 PLAT PC 6 SLIDE 42
 195,975 AC.

047
 T.M.54 PCL 25
SHERWOOD LIMITED PARTNERSHIP
 D.B.545 PG.734
 451,897 AC.



MATCH LINE - E.B.L. STA. 297+50 - SEE SHEET 17

MATCH LINE - E.B.L. STA. 311+50 - SEE SHEET 19

-  Denotes Proposed Pavement
-  Denotes Demolition of Pavement
-  Denotes Milling and Build-up
-  Denotes Construction Limits in Cuts
-  Denotes Construction Limits in Fills



SCALE
 0 50' 100'

PROJECT	SHEET NO.
0003-023-107	18

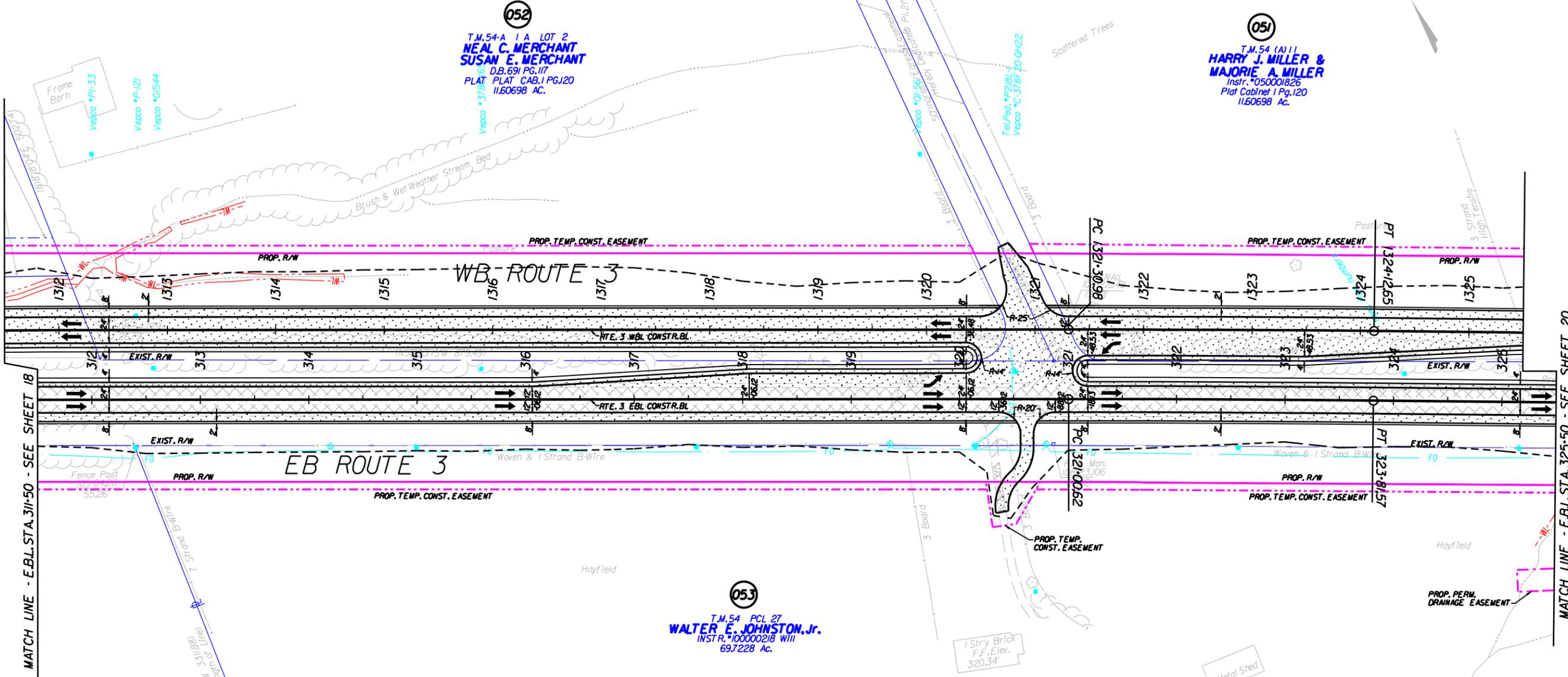
PROJECT MANAGER *Harold Jones (540) 829-1320*
 SURVEYED BY *Michael Mauro, L.S. (540) 829-1551*
 DESIGN SUPERVISED BY *Dewberry Consultants LLC - (703) 289-4796*
 DESIGNED BY *Dewberry Consultants LLC - (703) 289-4796*

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107 PE-101	19

DESIGN FEATURES RELATING TO CONSTRUCTION
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Dewberry Consultants LLC
 Fairfax, Virginia
 ROADWAY ENGINEER



052
 T.M. 54-A 1A LOT 2
NEAL C. MERCHANT
SUSAN E. MERCHANT
 D.B. 691 PG. 17
 PLAT PLAT CAB. 1 PG. 120
 11.60698 AC.

051
 T.M. 54 (A) 11
HARRY J. MILLER &
MAJORIE A. MILLER
 Instr. *050001826
 Plat Cabinet 1 Pg. 120
 11.60698 Ac.

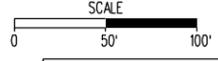
053
 T.M. 54 PCL 27
WALTER E. JOHNSTON, JR.
 INSTR. *10000218 VIII
 69.7228 AC.

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

- Denotes Proposed Pavement
- Denotes Demolition of Pavement
- Denotes Milling and Build-up

- - - Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

SHIRLEY
 CONTRACTING COMPANY, LLC
Dewberry



PROJECT	SHEET NO.
0003-023-107	19

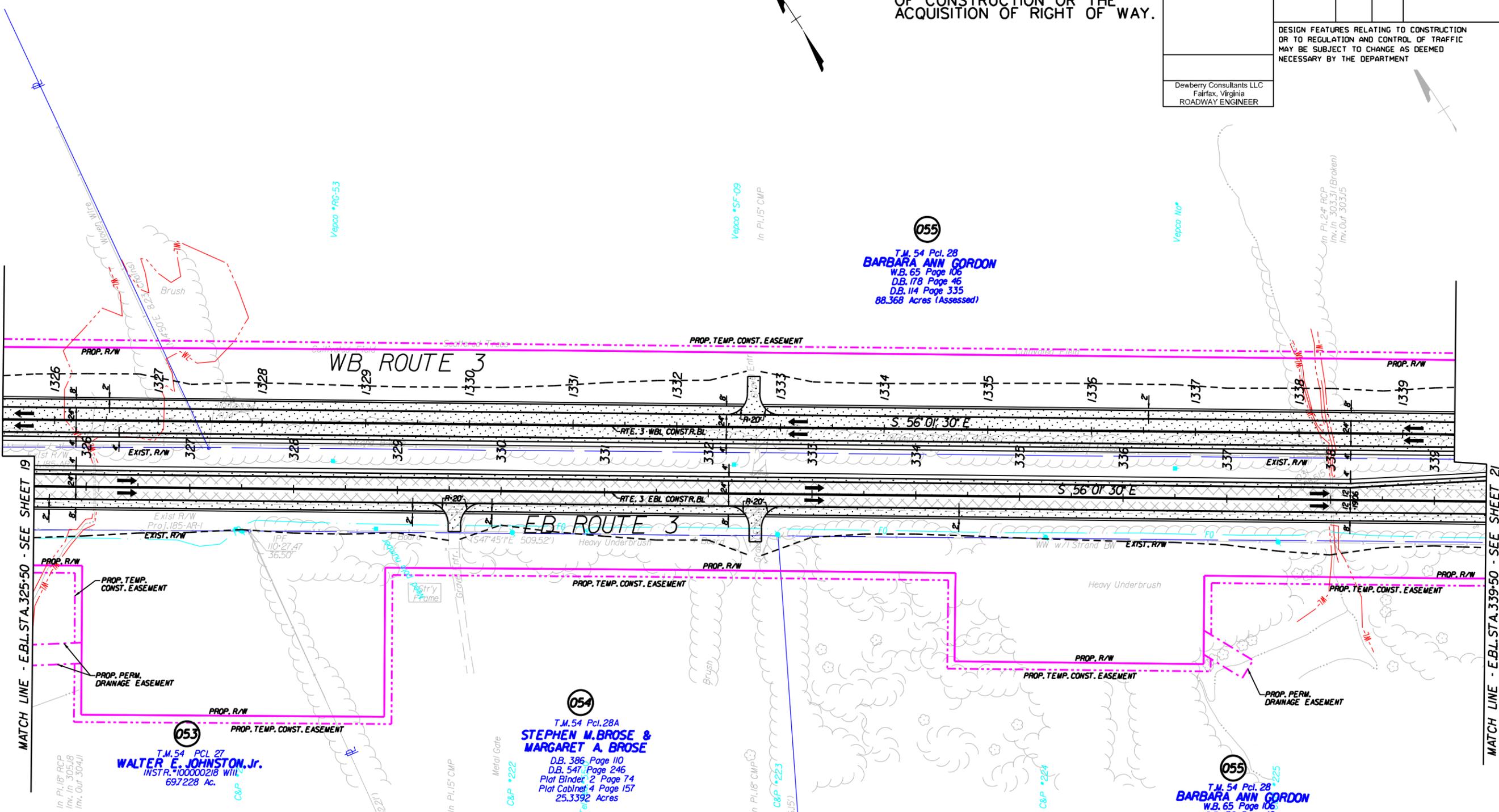
PROJECT MANAGER *Harold Jones (540) 829-7320*
 SURVEYED BY *Michael Mauro, L.S. (540) 829-7351*
 DESIGN SUPERVISED BY *Dewberry Consultants LLC - (703) 289-4796*
 DESIGNED BY *Dewberry Consultants LLC - (703) 289-4796*

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107 PE-101	20

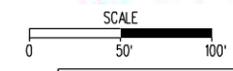
DESIGN FEATURES RELATING TO CONSTRUCTION
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 NECESSARY BY THE DEPARTMENT

Dewberry Consultants LLC
 Fairfax, Virginia
 ROADWAY ENGINEER



SHIRLEY
 CONTRACTING COMPANY, LLC
Dewberry

- Denotes Proposed Pavement
- Denotes Demolition of Pavement
- Denotes Milling and Build-up
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills



PROJECT	SHEET NO.
0003-023-107	20

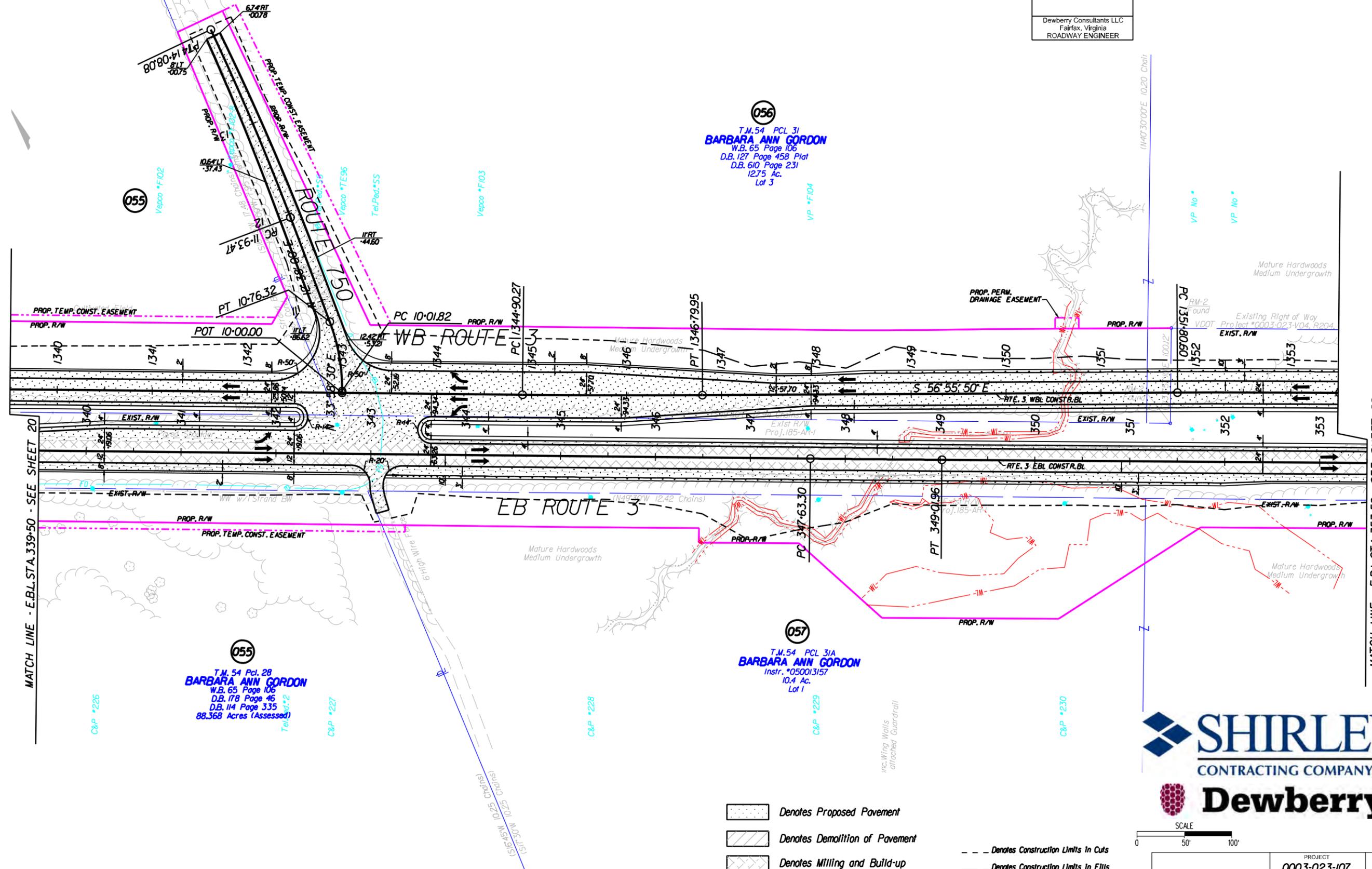
PROJECT MANAGER *Harold Jones (540) 829-7320*
 SURVEYED BY *Michael Mauro, L.S. (540) 829-7551*
 DESIGN SUPERVISED BY *Dewberry Consultants LLC - (703) 289-4796*
 DESIGNED BY *Dewberry Consultants LLC - (703) 289-4796*

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REVISED	STATE	STATE PROJECT		SHEET NO.
		ROUTE	PROJECT	
	VA.	3	0003-023-107 PE-101	21

DESIGN FEATURES RELATING TO CONSTRUCTION
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 NECESSARY BY THE DEPARTMENT

Dewberry Consultants LLC
 Fairfax, Virginia
 ROADWAY ENGINEER



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

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

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

-  Denotes Proposed Pavement
-  Denotes Demolition of Pavement
-  Denotes Milling and Build-up
-  Denotes Construction Limits in Cuts
-  Denotes Construction Limits in Fills



SCALE
 0 50' 100'

PROJECT	SHEET NO.
0003-023-107	21

MATCH LINE - E.B.L. STA. 339+50 - SEE SHEET 20

MATCH LINE - E.B.L. STA. 353+50 - SEE SHEET 22

PROJECT MANAGER *Harold Jones (540) 829-7320*
 SURVEYED BY *Michael Mauro, L.S. (540) 829-7551*
 DESIGN SUPERVISED BY *Dewberry Consultants LLC - (703) 289-4796*
 DESIGNED BY *Dewberry Consultants LLC - (703) 289-4796*

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107 PE-101	22

DESIGN FEATURES RELATING TO CONSTRUCTION
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 MAY BE SUBJECT TO CHANGE AS DEEMED
 NECESSARY BY THE DEPARTMENT

Dewberry Consultants LLC
 Fairfax, Virginia
 ROADWAY ENGINEER

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

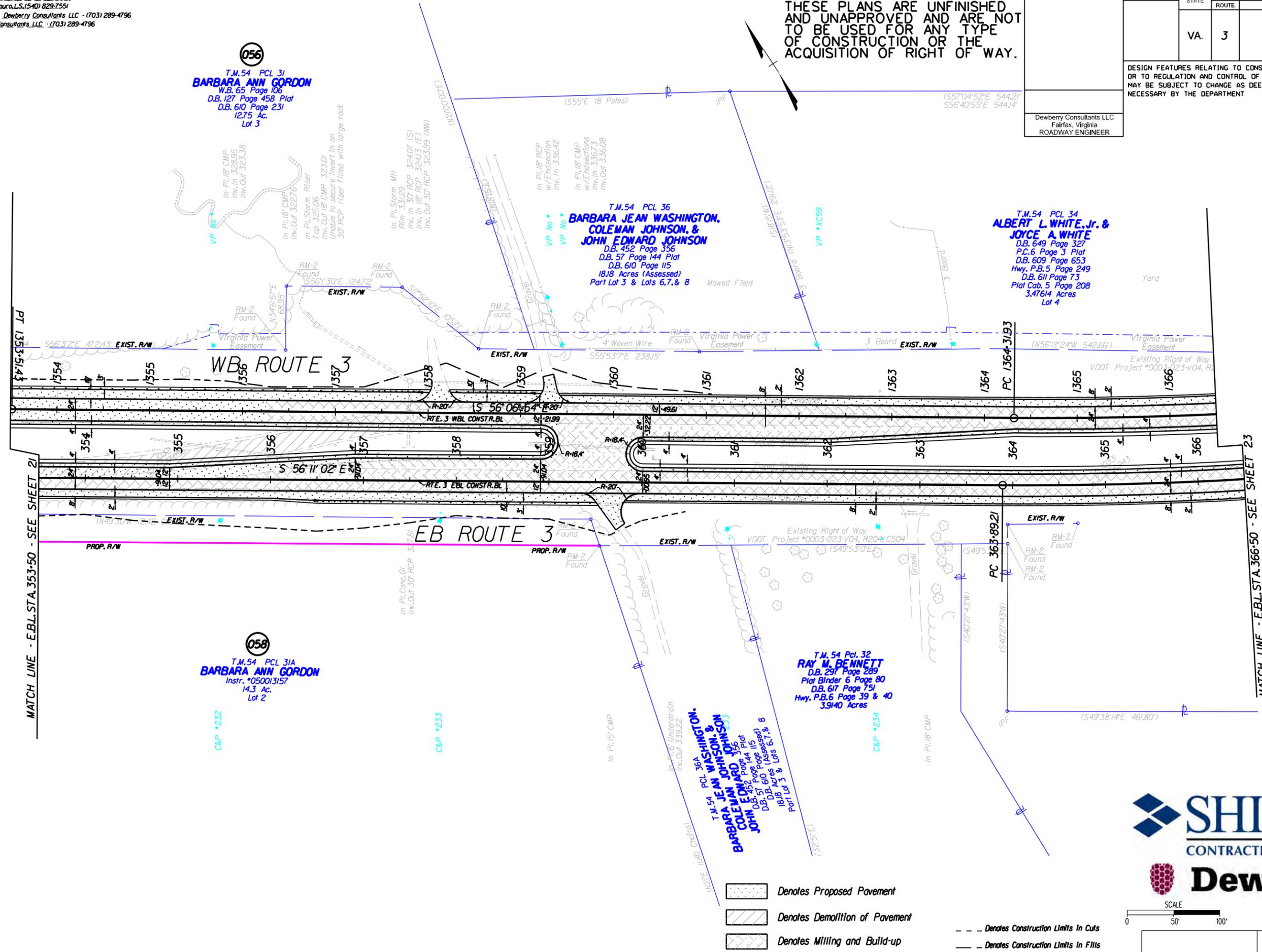
T.M. 54 PCL 36
**BARBARA JEAN WASHINGTON,
 COLEMAN JOHNSON &
 JOHN EDWARD JOHNSON**
 D.B. 452 Page 356
 D.B. 57 Page 144 Plat
 D.B. 610 Page 115
 18.18 Acres (Assessed)
 Part Lot 3 & Lots 6, 7, & 8

T.M. 54 PCL 34
**ALBERT L. WHITE, Jr. &
 JOYCE A. WHITE**
 D.B. 649 Page 327
 P.C. 6 Page 3 Plat
 D.B. 609 Page 653
 Hwy. P.B. 5 Page 249
 D.B. 611 Page 73
 Plat Cab. 5 Page 208
 3.4764 Acres
 Lot 4

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

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

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

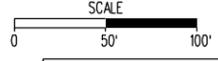


MATCH LINE - E.B.L. STA. 353+50 - SEE SHEET 21

MATCH LINE - E.B.L. STA. 366+50 - SEE SHEET 23

-  Denotes Proposed Pavement
-  Denotes Demolition of Pavement
-  Denotes Milling and Build-up

- - - Denotes Construction Limits in Cuts
- — — Denotes Construction Limits in Fills



PROJECT 0003-023-107	SHEET NO. 22
-------------------------	-----------------

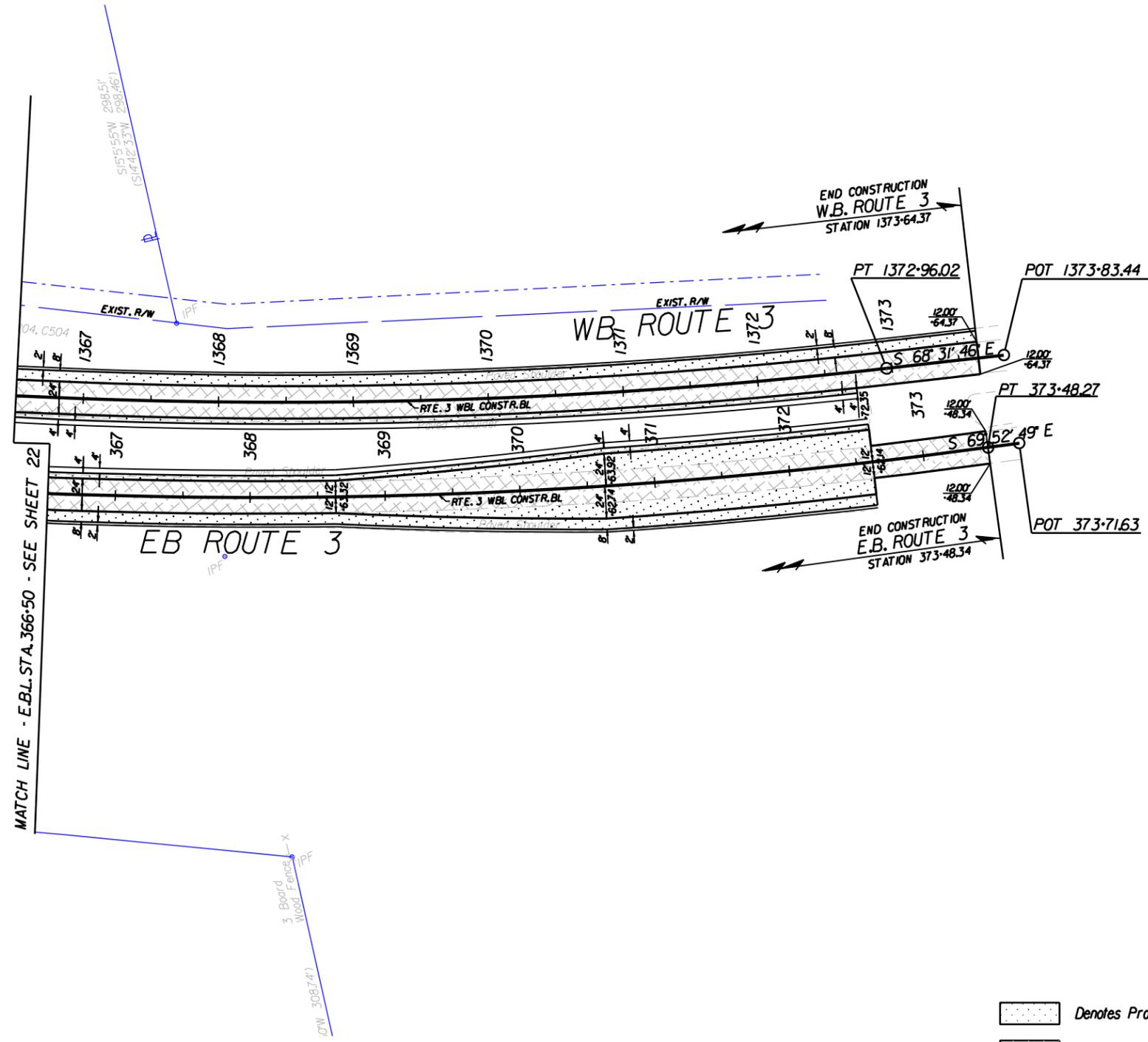
PROJECT MANAGER *Harold Jones (540) 829-7320*
 SURVEYED BY *Michael Mauro, L.S. (540) 829-7551*
 DESIGN SUPERVISED BY *Dewberry Consultants LLC - (703) 289-4796*
 DESIGNED BY *Dewberry Consultants LLC - (703) 289-4796*

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	3	0003-023-107 PE-101	23

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Dewberry Consultants LLC
 Fairfax, Virginia
 ROADWAY ENGINEER



-  Denotes Proposed Pavement
-  Denotes Demolition of Pavement
-  Denotes Milling and Build-up

- - - Denotes Construction Limits in Cuts
- — — Denotes Construction Limits in Fills



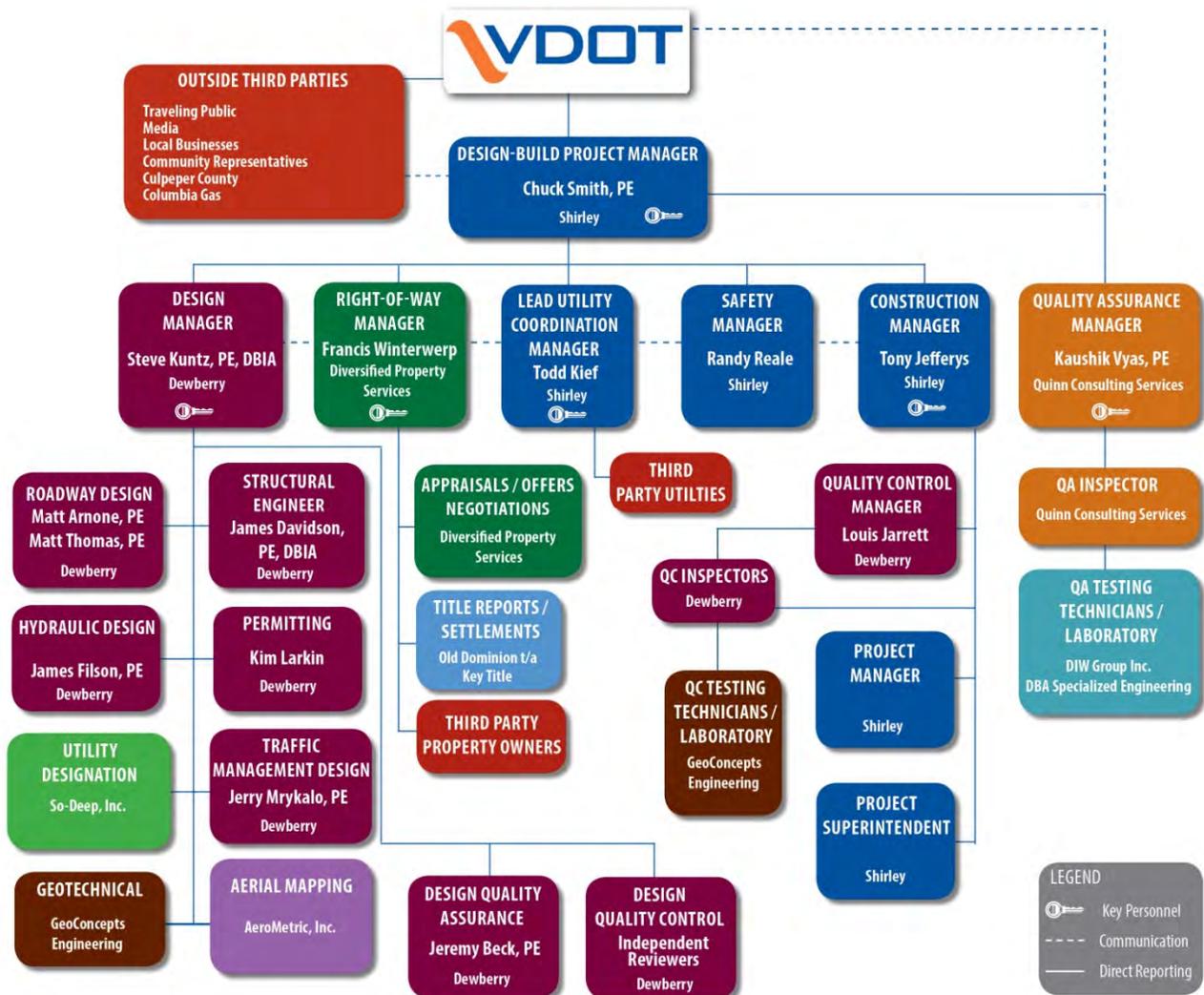
PROJECT	SHEET NO.
0003-023-107	23

4.2.1.2 Organizational Chart & Key Personnel

4.2.1.2 Organizational Chart and Key Personnel

4.2.1.2 ORGANIZATIONAL CHART

The Project Organizational Chart below identifies the “chain of command” and major functions to be performed and their reporting relationships in managing, designing and constructing the Project, including quality control/quality assurance. We confirm that the organizational chart (shown below) and Key Personnel as contained in our Statement of Qualifications remain true and accurate. As there have been no changes to the organizational chart, an updated narrative is not applicable.



4.2.1.3 Proposal Schedule Narrative

PROJECT MILESTONES

In accordance with the RFP documents, Shirley has provided a Preliminary Schedule identifying our plan for all phases of the design/build process based on the following project Milestones listed in Table 1.

For the purposes and planning and schedule breakdown, Shirley has broken the project into two (2) Stages of Work. Generally, the Stage 1 Work involves those elements necessary for the new section of roadway adjacent to the existing travel lanes. Since these areas are not impacted by traffic, our Team will focus on these areas first. Stage 2 elements include the work needed for the demolition or salvaging of the existing roadway and constructing the improved roadway thereafter. Each Stage is divided into three (3) distinct areas of Right-of-Way Acquisitions, Utility Relocations and Construction.

TABLE 1 - PROPOSAL SCHEDULE DATES OF PROJECT MILESTONES

Milestone	Date
Notice of Intent to Award Date	September 23, 2013
Commonwealth Transportation Board Approval	October 16, 2013
Design-Build Contract Execution	November 13, 2013
Notice to Proceed Date	November 18, 2013
Scope Validation Period Ends	March 21, 2014
Notice to Proceed Construction	December 22, 2014
Begin Stage 2 Construction	June 24, 2014
Begin Stage 3 Construction	March 29, 2016
Project in Final Configuration	September 15, 2016
Interim Milestone Substantial Completion Date	November 14, 2016
Fixed Date Completion Date	May 4, 2017

WORK BREAKDOWN STRUCTURE

Level 1 of the Work Breakdown Structure (WBS) groups the schedule into the phases of the design/build process as follows:

- 01. Project Milestones:** Area reserved for easy review of the project status.
- 02. Design:** Includes preliminary engineering services, plan development, QA/QC reviews, submittal milestones, and VDOT reviews and approvals of plans. This section of the schedule includes a second level WBS structure to group design activities by type of design submission including roadway and bridge.
- 03. Public Involvement:** This section of the schedule includes milestones for planned public involvement meetings and updates to the VDOT website.
- 04. Environmental Permitting:** Includes wetland and stream delineations and jurisdictional determination, permit management and preparation, mitigation, and permit submissions and reviews. The environmental permits schedule includes a second level WBS structure to group the joint wetlands and waters permit, the LD 455/VSMP permit, and hazardous materials.
- 05. Right-of-way Acquisition:** This section includes the Right of Way Acquisition processes necessary for the land rights necessary to construct the project. The process is broken out into the second level of the WBS to include the six major areas of the project that our Team plans to build the work.
- 06. Utility Relocations:** Includes activities for UFI meetings, preparation of preliminary engineering (PE) estimates, approval of PE estimates, utility relocation design by the utility owner, approval of the

utility design, and utility relocation construction. The utility relocations are separated into second level WBS groups based on Project location and third level WBS by utility owner.

07. Construction: Includes all components of roadway construction including major drainage items. The Construction section of the schedule is segmented by six additional levels of WBS structure to divide the construction activities into groups of work packages that can be easily tracked to ensure on-time completion of the Project.

Below is a complete outline of the WBS Structure for the Project:

TABLE 4.6.2 - WORK BREAKDOWN STRUCTURE

WBS CODE	WBS NAME
ROUTE 3 WIDENING.01	Project Milestones
ROUTE 3 WIDENING.02	Design
ROUTE 3 WIDENING.02.01	Roadway Plans
ROUTE 3 WIDENING.03	Public Involvement
ROUTE 3 WIDENING.03.01	Public Involvement Meetings
ROUTE 3 WIDENING.03.02	Public Affairs / Website Updates
ROUTE 3 WIDENING.04	Environmental Permitting
ROUTE 3 WIDENING.04.01	Joint Wetlands and Waters Permit
ROUTE 3 WIDENING.04.02	LD 445 / VSMP / SWPPP Permit
ROUTE 3 WIDENING.04.03	Hazardous Materials
ROUTE 3 WIDENING.05	Right-of-Way Acquisition
ROUTE 3 WIDENING.05.01	VDOT Total Takes (3 Properties)
ROUTE 3 WIDENING.05.02	Stage 1A (4 Properties)
ROUTE 3 WIDENING.05.03	Stage 1B (9 Properties)
ROUTE 3 WIDENING.05.04	Stage 1C (21 Properties)
ROUTE 3 WIDENING.05.05	Stage 2A (5 Properties)
ROUTE 3 WIDENING.05.06	Stage 2B (11 Properties)
ROUTE 3 WIDENING.05.07	Stage 2C (12 Properties)
ROUTE 3 WIDENING.06	Utility Relocations
ROUTE 3 WIDENING.06.01	Stage 1A Utilities
ROUTE 3 WIDENING.06.01.01	Dominion Power (Pole Line in Future Median-No Conflict)
ROUTE 3 WIDENING.06.02	Stage 1B Utilities

ROUTE 3 WIDENING.06.02.01	Verizon Virginia Overhead Pole Line
ROUTE 3 WIDENING.06.02.02	Verizon Virginia Underground Line
ROUTE 3 WIDENING.06.02.03	Level 3 Underground Fiber
ROUTE 3 WIDENING.06.02.04	Williams Transco Gas Line
ROUTE 3 WIDENING.06.03	Stage 1C Utilities
ROUTE 3 WIDENING.06.03.01	Dominion Power
ROUTE 3 WIDENING.06.03.02	Verizon/Fiberlight/ATT Fiber
ROUTE 3 WIDENING.06.03.03	Dominion O/H Power (West End) + Verizon + Comcast
ROUTE 3 WIDENING.06.04	Stage 2A Utilities
ROUTE 3 WIDENING.06.05	Stage 2B Utilities
ROUTE 3 WIDENING.06.05.01	Dominion Power Pole Line (23 Poles)
ROUTE 3 WIDENING.06.05.02	2" Columbia Gas
ROUTE 3 WIDENING.06.05.03	Underground (Verizon/ATT/Copper)
ROUTE 3 WIDENING.06.06	Stage 2C Utilities
ROUTE 3 WIDENING.06.06.01	Underground Verizon Copper
ROUTE 3 WIDENING.06.06.02	Verizon Overhead
ROUTE 3 WIDENING.07	Construction
ROUTE 3 WIDENING.07.01	Preparatory Inspection Meetings (PIM)
ROUTE 3 WIDENING.07.02	Stage 1A - WB Station 1290+00 to 1357+00
ROUTE 3 WIDENING.07.02.01	General ROUTE 3
ROUTE 3 WIDENING.07.02.02	Roadway Portion Not Requiring ROW WB 1290+00 to 1312+00
ROUTE 3 WIDENING.07.02.02.01	Triple Box Culvert 1303+00
ROUTE 3 WIDENING.07.02.03	Roadway Portion Not Requiring ROW WB 1352+25 to 1357+00
ROUTE 3 WIDENING.07.02.04	Roadway Station WB 1312+00 to 1352+25
ROUTE 3 WIDENING.07.02.04.01	Double Box Culvert WB 1349+00
ROUTE 3 WIDENING.07.02.05	Rte 669 - Carrico Mills Rd Construction
ROUTE 3 WIDENING.07.03	Stage 1B - EB Station 212+00 to 290+00
ROUTE 3 WIDENING.07.03.01	General
ROUTE 3 WIDENING.07.03.02	Roadway Station EB 212+00 to 290+00

ROUTE 3 WIDENING.07.03.02.01	Double Box Culvert EB 273+00
ROUTE 3 WIDENING.07.03.02.02	Double Box Culvert EB 281+00
ROUTE 3 WIDENING.07.04	Stage 1C - WB Station 1114+00 to 1211+50
ROUTE 3 WIDENING.07.04.01	General
ROUTE 3 WIDENING.07.04.02	Roadway Station WB 1114+00 to 1211+50
ROUTE 3 WIDENING.07.05	Stage 2A - EB Station 290+00 to 373+00
ROUTE 3 WIDENING.07.05.01	General
ROUTE 3 WIDENING.07.05.02	Roadway EB Station 290+00 to 373+00
ROUTE 3 WIDENING.07.05.02.01	Triple Box Culvert 303+00
ROUTE 3 WIDENING.07.05.02.02	Double Box Culvert 349+00
ROUTE 3 WIDENING.07.06	Stage 2B - WB Station 1212+00 to 1290+00
ROUTE 3 WIDENING.07.06.01	General
ROUTE 3 WIDENING.07.06.02	Roadway WB Station 1212+00 to 1290+00
ROUTE 3 WIDENING.07.06.02.01	Double Box Culvert 1273+00
ROUTE 3 WIDENING.07.06.02.02	Double Box Culvert 1281+00
ROUTE 3 WIDENING.07.07	Stage 2C - EB Station 101+00 to 211+50
ROUTE 3 WIDENING.07.07.01	General ROUTE 3
ROUTE 3 WIDENING.07.07.02	Roadway EB Station 101+00 to 211+50
ROUTE 3 WIDENING.07.08	Complete Crossover Areas and Final Pave
ROUTE 3 WIDENING.07.08.01	Complete Tie-Ins and Crossover Areas
ROUTE 3 WIDENING.07.08.02	Final Paving WB Lanes
ROUTE 3 WIDENING.07.08.03	Final Paving EB Lanes

The following is a description of the calendars used for this project.

Global Calendar – All calendars are based on 8 hour work days and include the following holidays: New Years Day, Memorial Day, 4th of July, Labor Day, Thanksgiving, the day after Thanksgiving, and Christmas.

Calendar 1 - “5-Day Work week” – This calendar is based on five working days per week and is used for all design and administrative activities that are unaffected by weather.

Calendar 2 – “7-Day Calendar” – Assigned to activities that have durations based on calendar days instead of work days. For example VDOT’s 21 calendar day review duration.

Calendar 3 – “5-Day Winter Imp” – This calendar is based on working part-time from roughly mid-December to mid-March during any one calendar year. It is assigned to activities that are anticipated to have reduced productivity during the winter months.

Calendar 4 - "Winter Shutdown" - Assigned to Surface Asphalt paving and Final Pavement Markings that cannot be performed during winter months of lower temperatures

SCHEDULE TIMING AND CRITICAL PATH

The narrative below describes, in detail, the Shirley Team's planned schedule and sequence of operations by Phase.

Design Phase - The design phase includes preparation, Quality Assurance/Quality Control reviews, and submission of the Roadway Plans in three (3) distinct Design Submission noted as Milestones on the Schedule network. As specified in the RFP we have included a 21 calendar day activity for VDOT and FHWA (if necessary) review after each submission. The design phase also includes non-critical activities for the completion of surveys, utility designations, test pits, and geotechnical investigations necessary for submission of the final roadway plans. Our Team will begin the design phase of the Project immediately upon Notice to Proceed. The first formal plan submission will occur on March 21, 2014. The Preliminary Schedule reflects final approval of all plans by October 14, 2014

Critical Path activities in the Design Phase of the Preliminary Schedule include the preparation, review and approvals of the 60% Roadway Plans. The 60% Plans will be the starting point for the Right of Way Acquisitions. These activities start immediately upon Notice Proceed (anticipated to be October 17, 2013) with final approval of these plans scheduled by August 16, 2014.

Public Involvement - The public involvement schedule includes submitting our Emergency Contact List upon Notice to Proceed, holding Public Information Meetings in incremental stages during construction, and providing regular updates to the VDOT Website. The schedule includes Points at which major milestone activities for the Public Information Meetings and Website Updates are critical. There are many other public involvement activities that our Team will perform throughout the Project, including meeting with local businesses and attending meetings with home owners associations, local government representatives, and community groups, and providing information for regular updates of the Project website.

Environmental Permitting - Environmental Permitting will begin at Notice Proceed. The Shirley Team will immediately perform wetland delineations, obtain jurisdictional determinations and prepare of the Joint Wetlands and Water Permit Application. We will provide design details, project descriptions, permit sketches, impact quantity information, and all other related information to the appropriate agencies in the permit acquisition process. It is anticipated that a **6-month Approval Period** will be necessary for obtain the permit approvals. Following Agency Review and Approvals of the application, we will complete the requisite VDOT stormwater forms (LD-445 series), and will provide Stormwater Pollution Prevention Plans (SWPPP) and related information for inclusion on the VDOT SWPPP General Information sheets. It is anticipated to receive the approved JPA permit by December 22, 2014 prior to the start of the Permanent Construction.

Right-of-Way Acquisition - Right-of-Way Acquisition is a critical element of the project for not only construction but as well as the private Utility Relocations on the project. As stated, our sequence of acquisitions is broken down into each individual Stage and Area of work. Following completion of the 60% design documents, Shirley will commence with the Stage 1 Acquisitions. We have then staggered the start of the Stage 2 Acquisitions approximately 60 days. Generally the ROW acquisition period for the project is from mid 2014 through mid 2015.

Critical Path activities in the Right of Way Phase of the Preliminary Schedule include those Acquisitions in Stage 1C of the Project (Western end). In this area there are 21 parcels to be impacted.

Utility Relocations - There are numerous anticipated utility relocations and potential conflicts for the Project. To simplify and track the utility relocations, we have created a work breakdown structure that groups the utility relocation activities by Stage of Work as well as utility owner. This further allows us to coordinate the work with utility relocations with the construction sequencing. Within each utility owner group, we have included activities for holding the Utility Field Investigation (UFI) meeting, preparation of the Preliminary Engineering (PE) estimates by the utility owner, approval of the PE estimate, design of the utility relocation, and construction of the relocation by area. The utility relocation schedule starts with formal UFI meetings held in mid-June 2014 following completion of all utility test pits and the 60% Design documents. This will enable our Team to confirm and adjust our list of utility conflicts based on the field test pit data prior to holding the formal UFI meeting. Following completion and approval of preliminary engineering and estimates from the utility owners, we have tied the commencement of the field relocation of the utilities to the acquisition of the right of way in each individual area. For those utilities requiring their own easements our schedule has allowed enough time in the Right of Way section to acquire the appropriate land rights for those utilities. It is anticipated that the majority of the relocations will happen concurrently with the construction phase of the project. One advantage of our alignment is the ability to keep many of the existing pole lines and utilities in the future median of the new roadway barrels while construction is happening concurrently with utility relocations.

Critical Path activities in the Utility Relocation Phase of the Preliminary Schedule include those relocations in Stage 1C of the Project (Western end). Specifically, there is shared pole line with Dominion Virginia Power, Verizon, and Comcast that will require a significant relocation period for each owner .

CONSTRUCTION SEQUENCE

Preparatory Inspection Meetings

In this section of the schedule, we have identified those Hold Points in the schedule necessary to conduct the appropriate Preparatory Inspection Meetings with our QA/QC Staff as well as VDOT for the major items of work.

Stage 1A WB Station 1290+00 to 1357+00

In this area of the project there are two sections of roadway that can start without Right of Way or Utility impacts, Shirley crews will start in these areas following roadway and environmental permitting activities. Additionally, there is a Triple Box Culvert and Double Box that must be constructed in the new barrel of roadway. Following Right of Way activities, the section from 1312+00 to 1352+25 can be constructed. The Carrico Mills Rd improvements are also scheduled in this area.

Stage 1B EB Station 212+00 to 290+00

This area is in the center portion of the project and will require Right of Way Acquisitions to be complete before commencement of construction. This area also contains the major Williams Transco Gas Lines and we have the utility relocations happening during this stage.

Two Double Box Culverts will be constructed in this area and we are anticipating mobilizing our structural crews to perform these items sequentially following the box culvert construction in Stage 1A.

Stage 1C WB 1114+00 to 1211+50

As stated prior, this area requires a large allotment of the Right of Way acquisition time on the project with 21 parcels impacted. Construction and Utility Relocations will take place in June of 2015 following land rights acquisitions. This area will also require the construction of a major retaining wall to support the Dominion Power Transmission Towers along the WB Lanes. This area represents a near critical portion of the project as the schedule transitions to Stage 2C.

Stage 2A EB 290+00 to 373+00

Following completion of Stage 1A and ROW completion in the area, this area will be constructed. Stage 2 elements include the demolition of pavement and salvaging of existing roadway for the ultimate travel lanes. The box culverts started in Stage 1 will be completed in Stage 2.

Stage 2B WB 1212+00 to 1290+00

Following completion of Stage 1B and ROW completion in the area, this area will be constructed. Stage 2 elements include the demolition of pavement and salvaging of existing roadway for the ultimate travel lanes. The box culverts started in Stage 1 will be completed in Stage 2.

Stage 2C EB 101+00 to 211+50

Stage 2C is on the *Critical Path* of the proposal schedule and the work will consist of the completion of the bulk of the roadway construction for the project. Work in this area will be from late 2015 to mid 2016.

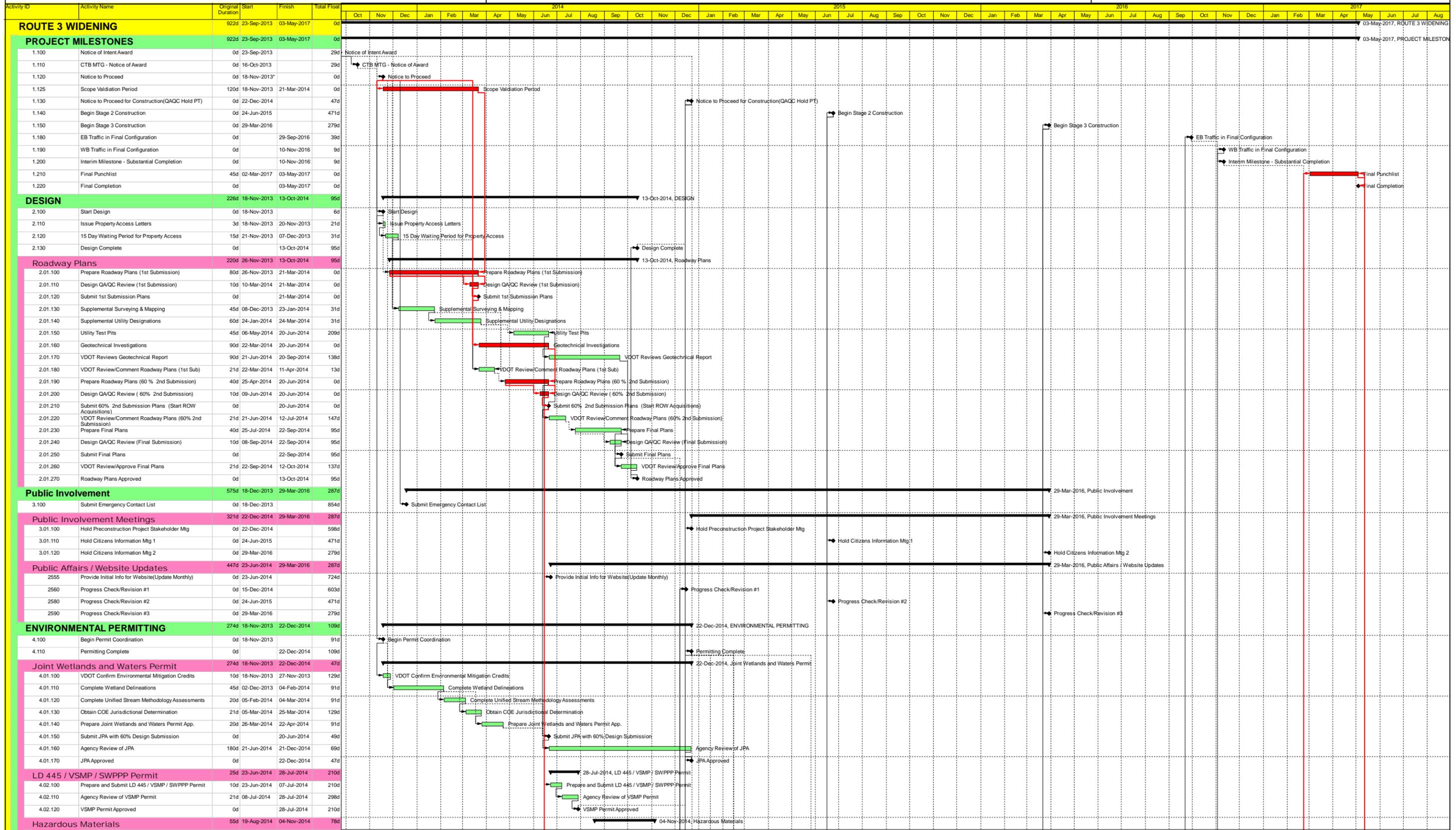
Stage 3 Complete Crossover Areas and Final Paving

The crossover areas are the transition regions of construction between individual areas described throughout this narrative. In this section, we will be constructing the shoulder areas and performing milling and paving operations necessary for the opening of the entire roadway barrels (both EB and WB) Final guardrail, ditch grading, roadway signage, and other safety items will be completed. At the conclusion of the crossover and tie-ins, the final roadway barrels will be opened on Intermediate Asphalt in order to reach Substantial Completion of the Project. The final mill and overlay work, will be performed following the Substantial Completion. Currently, the work will be suspended through the winter of 2016-2017 and be completed by the Final Completion date of May 4, 2017.

SUMMARY

The Shirley Team's comprehensive pre-proposal preparation, proven experience in all phases of design-build, and extensive project controls and schedule management and recovery techniques will serve to ensure that the Route 3 Design-Build Project will complete on time. Over the years, we have built a solid professional reputation on meeting our commitments, completing projects ahead of schedule and under budget, performing quality work in a safe work environment, and establishing a problem-solving atmosphere and partnership with the Owner. This is a result of our extensive experience, quality people, and corporate commitment. The Route 3 Design-Build Project is a challenging and exciting Project for our Team and is one that we will bring this same level of commitment to for the benefit of VDOT, Culpeper County, and the public.

ROUTE 3 WIDENING

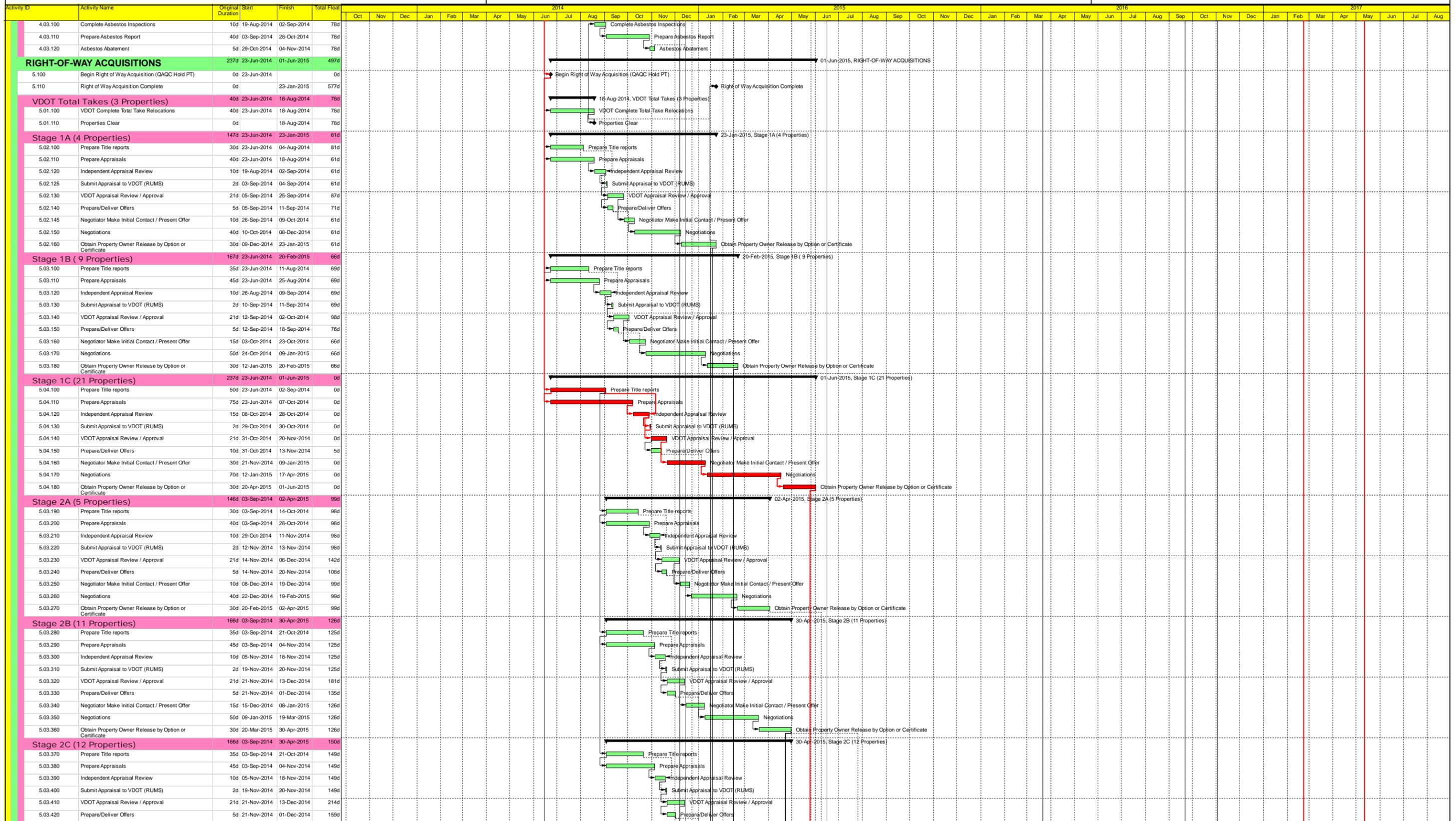


█ Actual Work █ Critical Remaining Work Summary
█ Remaining Work ◆ Milestone

PRELIMINARY PROPOSAL SCHEDULE



ROUTE 3 WIDENING

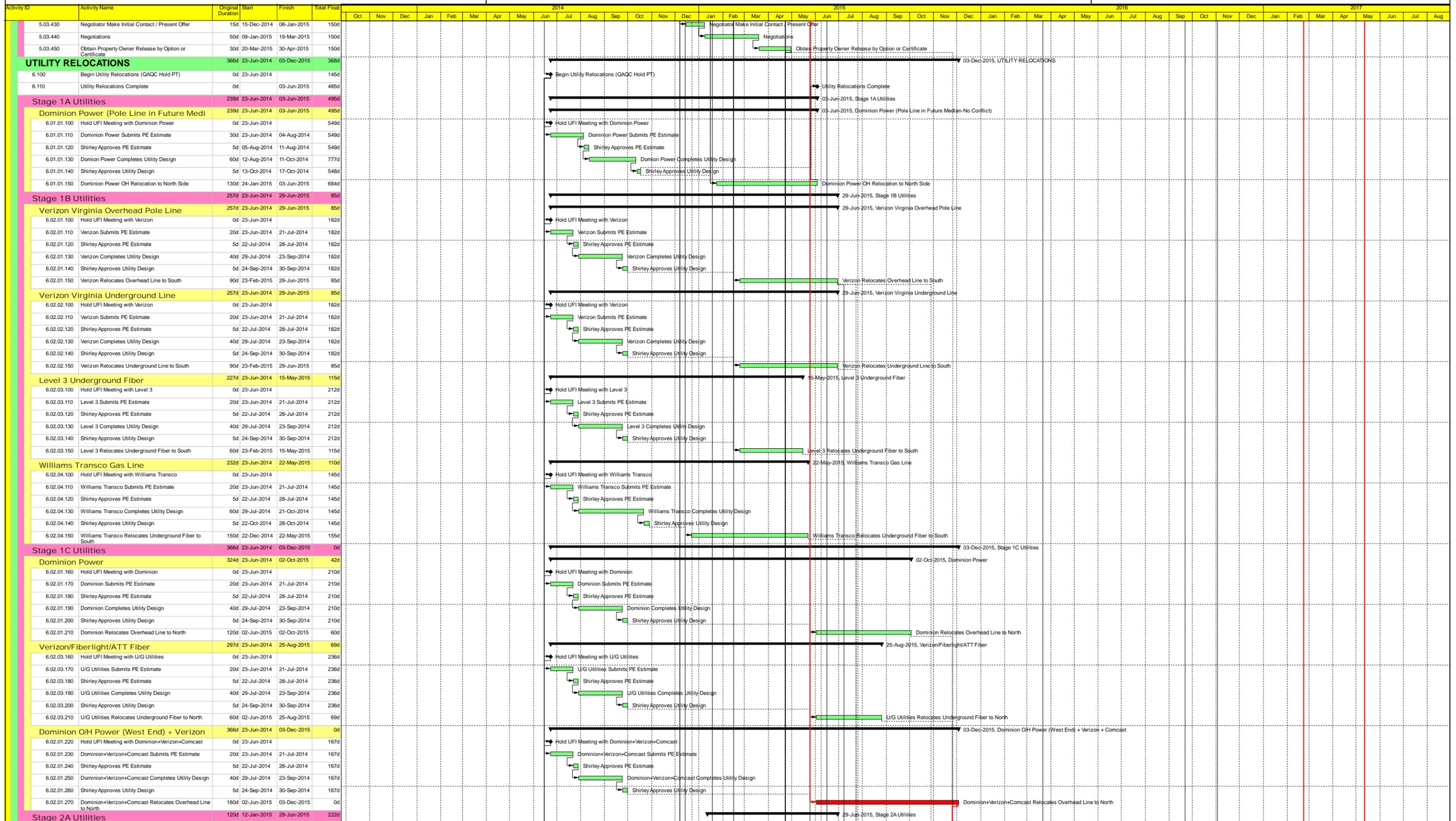


█ Actual Work
 █ Critical Remaining Work
 ▶ Summary
█ Remaining Work
 ◆ Milestone

PRELIMINARY PROPOSAL SCHEDULE



ROUTE 3 WIDENING

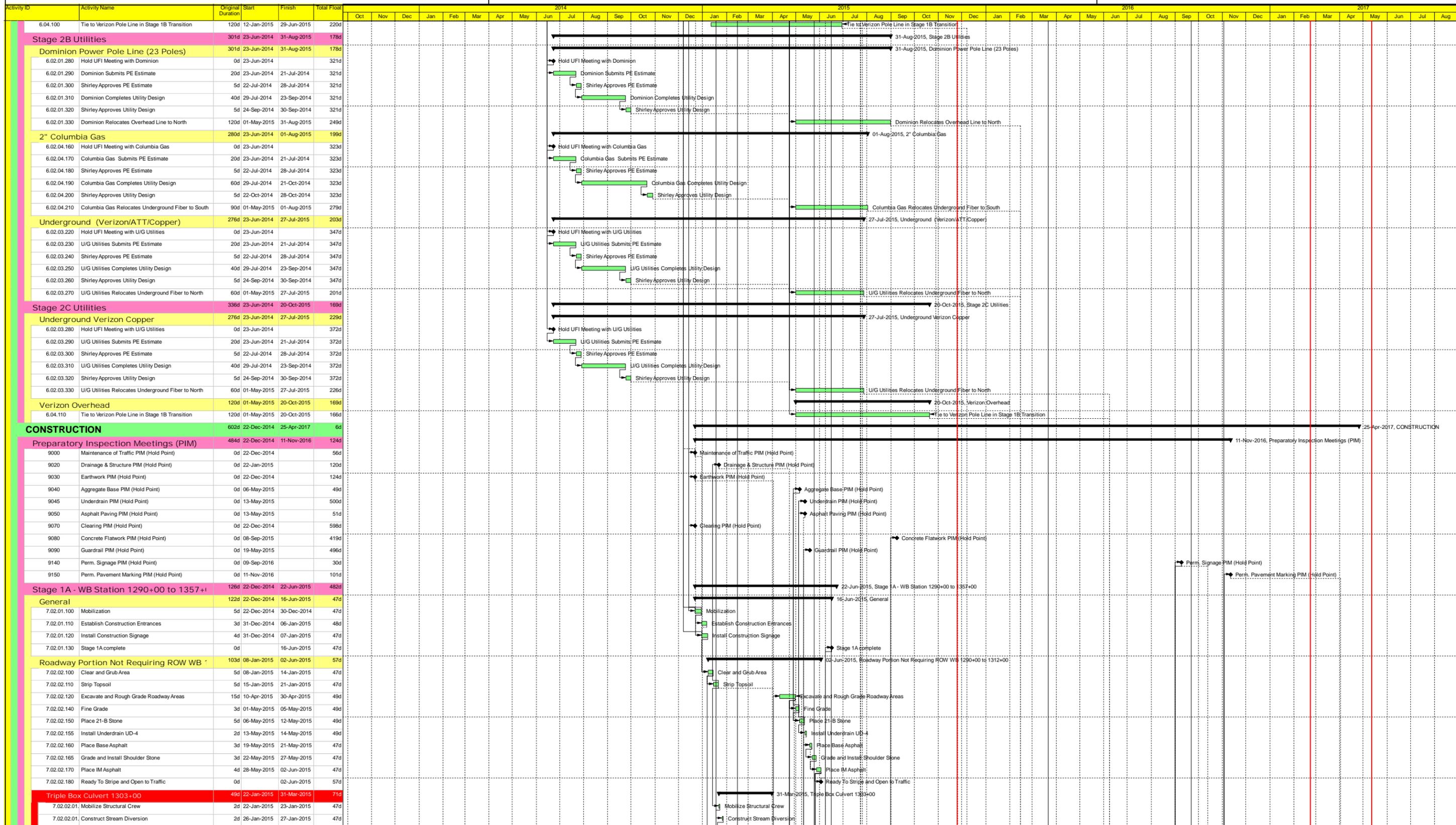


█ Actual Work
 █ Critical Remaining Work
 ▶ Summary
█ Remaining Work
 ◆ Milestone

PRELIMINARY PROPOSAL SCHEDULE



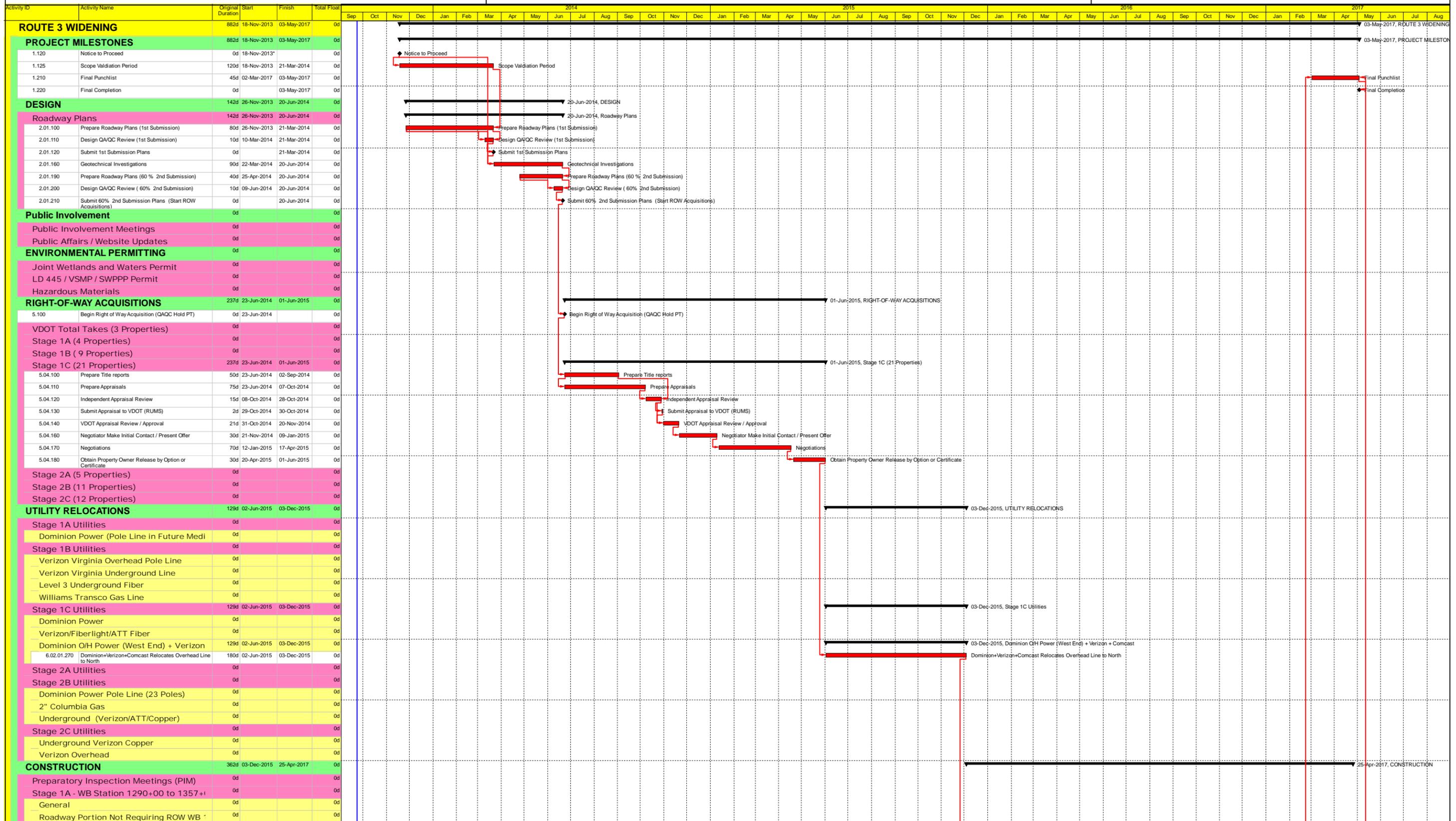
ROUTE 3 WIDENING



█ Actual Work █ Critical Remaining Work ▶ Summary
█ Remaining Work ◆ Milestone

PRELIMINARY PROPOSAL SCHEDULE





█ Actual Work █ Critical Remaining Work ▶ Summary
█ Remaining Work ◆ Milestone

PRELIMINARY PROPOSAL SCHEDULE



