

Response to Request for Proposals

I-64 WIDENING EXIT 200 TO 205

Henrico and New Kent Counties, Virginia

State Project No.: 0064-043-602

Federal Project No.: NHPP-064-3(499)

Contract ID Number: C00107458DB95

VOLUME I: LETTER OF SUBMITTAL



SUBMITTED BY:



IN ASSOCIATION WITH:



ATTACHMENT 4.0.1.1

I-64 WIDENING EXIT 200 TO 205, CONTRACT ID NO. C00107458DB95

LETTER OF SUBMITTAL AND ATTACHMENTS CHECKLIST

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

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	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
Letter of Submittal on Offeror's letterhead	NA	Section 4.1.1	4
Offeror's official representative information	NA	Section 4.1.1	4
Authorized representative's original signature	NA	Section 4.1.1	4
Declaration of intent	NA	Section 4.1.2	4
120 day declaration	yes	Section 4.1.3	4
Point of Contact information	yes	Section 4.1.4	4
Principal Officer information	NA	Section 4.1.5	4
Final Completion Date	NA	Section 4.1.6	4
Proposal Payment Agreement or Waiver of Proposal Payment	Attachment 9.3.1 or 9.3.2	Section 4.1.7	5-8
Certification Regarding Debarment Forms	Attachment 11.8.6(a) Attachment 11.8.6(b)	Section 4.1.8	9-18
Written statement of percent DBE participation	NA	Section 4.1.9	4

ATTACHMENT 4.0.1.1

I-64 WIDENING EXIT 200 TO 205, CONTRACT ID NO. C00107458DB95

LETTER OF SUBMITTAL AND ATTACHMENTS CHECKLIST

Technical Proposal Component	Form (if any)	RFP Part 1 Cross Reference	Page Reference
Attachments to the Letter of Submittal	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	19
Organizational chart with any updates since the SOQ submittal clearly identified	NA	Section 4.2.1	19
Revised narrative when organizational chart includes updates since the SOQ submittal	NA	Section 4.2.1	19
Conceptual Roadway Plans – Plan View	NA	Section 4.2.2	33-49
Conceptual Roadway Plans – Typical Sections	NA	Section 4.2.2	31-32
Conceptual Structural Plans – Elevation View	NA	Section 4.2.3	51
Conceptual Structural Plans – Transverse Section	NA	Section 4.2.3	51
Conceptual Structural Plans – Abutment and Pier Configurations	NA	Section 4.2.3	52-53
Proposal Schedule	NA	Section 4.2.4	
Proposal Schedule	NA	Section 4.2.4.1	54-58
Proposal Schedule Narrative	NA	Section 4.2.4.2	23-30
Proposal Schedule in electronic format (CD-ROM)	NA	Section 4.2.4	N/A



3.6 - Form C-78

ATTACHMENT 3.6

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION**

RFP NO. C000107458DB95
PROJECT NO.: 0064-043-602

ACKNOWLEDGEMENT OF RFP, REVISION AND/OR ADDENDA

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

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

1. Cover letter of RFP – March 17, 2017
(Date)
2. Cover letter of RFP Addendum No.1 – April 20, 2017
(Date)
3. Cover letter of RFP Addendum No. 2 – May 17, 2017
(Date)
4. Cover letter of RFP Addendum No. 3 – June 8, 2017
(Date)



SIGNATURE

June 20, 2017

DATE

Michael E. Post

PRINTED NAME

President/CEO/Manager

TITLE



4.1 - Letter of Submittal



June 20, 2017

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

**RE: I-64 Widening Exit 200 to 205
Henrico and New Kent Counties, Virginia
Contract ID Number: C00107458DB95
4.1 Letter of Submittal**

Dear Mr. Clarke:

Shirley Contracting Company, LLC (Shirley), as the Offeror, is pleased to submit to the Virginia Department of Transportation (VDOT) our response to your Request for Proposals (RFP) for the project referenced above. With Dewberry as our Lead Designer, Shirley offers VDOT an experienced Team with a proven track record of delivering design-build projects on time, under budget and with a partnering approach. As an example of our experience and our history of us working together as a team, Shirley and Dewberry have been awarded over 38 design-build projects totaling more than \$3.2 billion.

4.1.2 - Offeror's Intent: If selected, it is our intent to enter into a contract with VDOT for the Project in accordance with the terms of the RFP.

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

4.1.4 - Our Point of Contact is:
Garry A. Palleschi, Vice President
8435 Backlick Road, Lorton, VA 22079
703-550-3579 (Phone) 703-550-9346 (Fax)
gpalleschi@shirleycontracting.com

4.1.5 - Our Principal Officer is:
Michael E. Post, President/CEO/Manager
8435 Backlick Road, Lorton, VA 22079
703-550-8100 (Phone)

4.1.6 - Final Completion Date: August 22, 2019

4.1.7 - Proposal Payment Agreement: An executed Proposal Payment Agreement is included as Attachment 9.3.1.

4.1.8 - Certification Regarding Debarment Forms: Signed Certification Regarding Debarment Forms from all team members are included with this Letter of Submittal.

4.1.9 - DBE Participation Goal: Shirley commits that we will achieve a 10% DBE participation goal for the entire value of the contract.

Thank you for the opportunity to submit our Letter of Submittal. 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 20th day of June, 2017, by and between the Virginia Department of Transportation (“VDOT”), and Shirley Contracting Company, LLC (“Offeror”).

WITNESSETH:

WHEREAS, Offeror is one of the entities who submitted Statements of Qualifications (“SOQs”) pursuant to VDOT’s **November 3, 2016** Request for Qualifications (“RFQ”) and was invited to submit proposals in response to a Request for Proposals (“RFP”) for the **I-64 Widening Exit 200 to 205, Project No. 0064-043-602** (“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:

The background of the page features a decorative pattern of light blue diamonds. The diamonds are arranged in a grid-like fashion, with some overlapping and others separated by white space. The overall effect is a clean, modern, and geometric design.

Attachment No. 9.3.1 - Proposal Payment Agreement

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: _____

Shirley Contracting Company, LLC

By:  _____

Name: Michael E. Post

Title: President/CEO/Manager

ATTACHMENT 11.8.6(a)
CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS

Project No.: [0000-000-000] 0064-043-602

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.

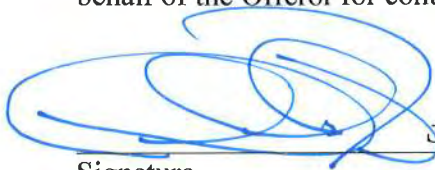
b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under 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 _____ Date June 20, 2017 Title President/CEO/Manager

Shirley Contracting Company, LLC
Name of Firm



Attachment 11.8.6(a)(b) - Debarment Forms

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

Project No.: [0000-000-000] 0064-043-602

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

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

<u>Dave Mahoney</u>	<u>6/19/17</u>	<u>Executive Vice President</u>
Signature	Date	Title
<u>Dewberry Consultants LLC</u>		
Name of Firm		

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


Project: I-64 Widening Exit 200 to 205

Project No.: 0064-043-602

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.

	June 6, 2017	President
Signature	Date	Title

Quinn Consulting Services, Inc.

Name of Firm

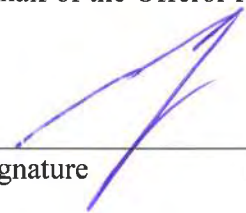
ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project: I-64 Widening Exit 200 to 205
Project No.: 0064-043-602

- 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.

	6/6/2017	VP of Business Development
Signature	Date	Title

DIW Group, Inc. t/a Specialized Engineering
Name of Firm

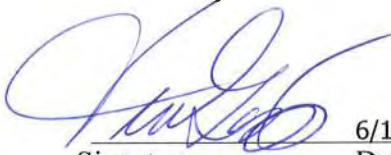
ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: [0000-000-000] 0064-043-602

- 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 6/19/17 _____ Title President _____

GeoConcepts Engineering, Inc. _____
Name of Firm

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

Project No.: [0000-000-000] 006A-043-602

- 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.

Mark Sullivan 6-19-17 MANAGER
Signature Date Title

JO-DEEP, INC.
Name of Firm

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

Project No.: |0000-000-000| 006A-043-602

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.

W. J. McKeague 6/19/2017 Vice President
Signature Date Title

Quantum Spatial, Inc.
Name of Firm

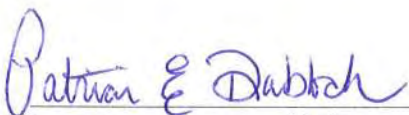
ATTACHMENT 11.8.6(b)
CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: **[0064-043-602]**

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

6/19/2017

Date

President

Title

Diversified Property Services, Inc.

Name of Firm

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

Project No.: [0064-043-602]

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

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

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

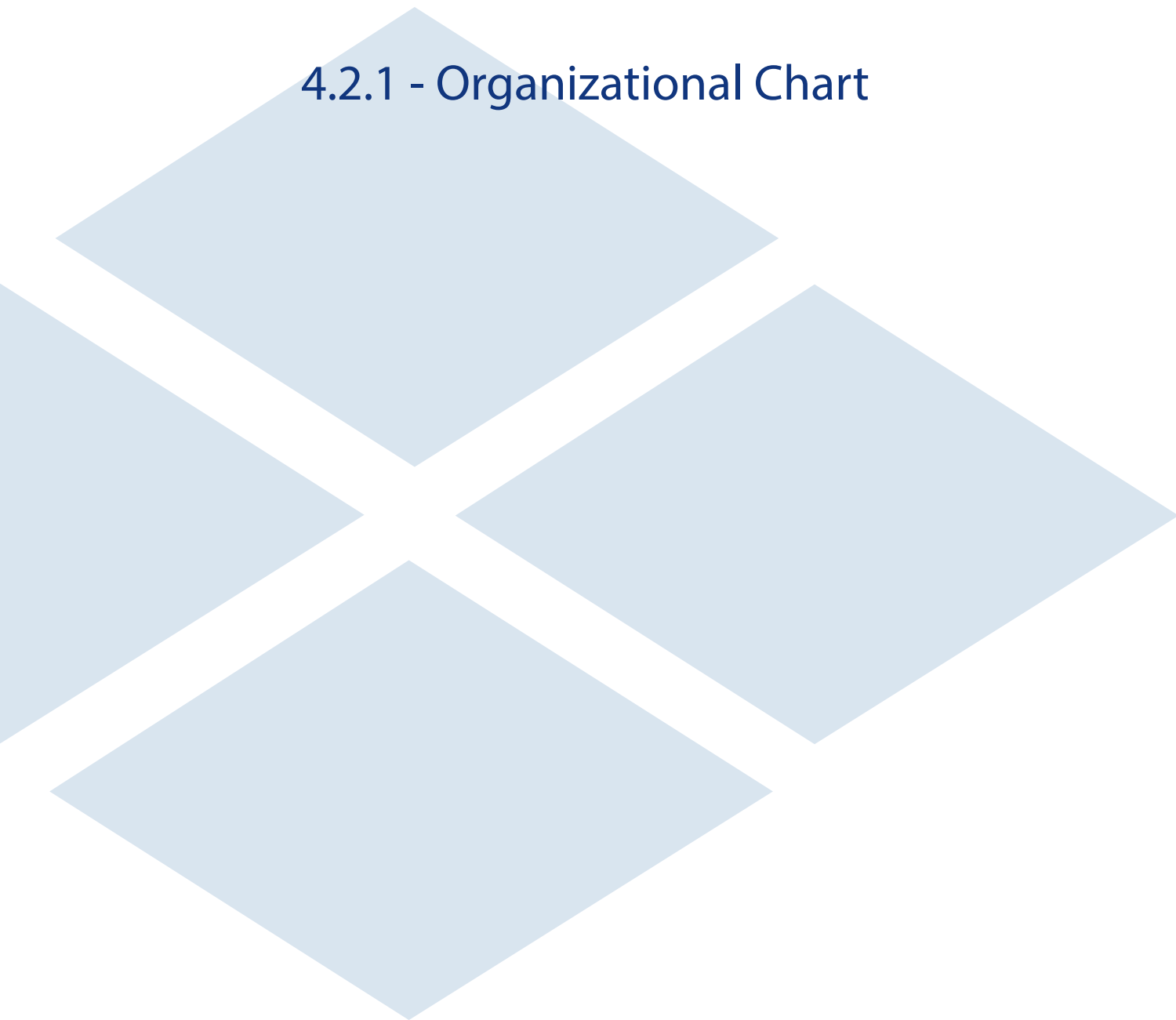
<u>Robert Rushe</u>	<u>6/19/17</u>	<u>settlement officer</u>
Signature	Date	Title

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



4.2 - Attachments to the Letter of Submittal

4.2.1 - Organizational Chart

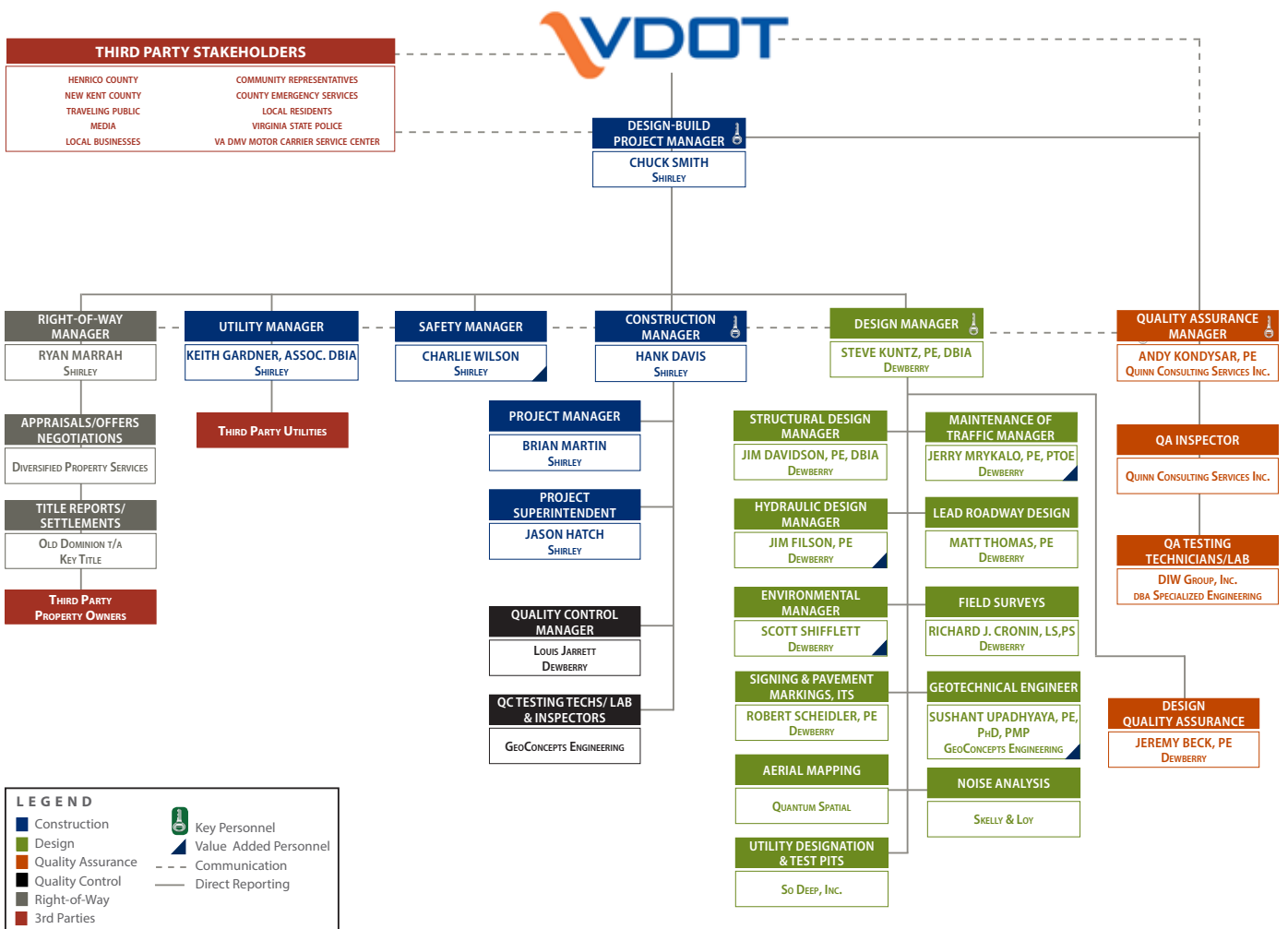




4.2.1 Organizational Chart & Key Personnel

4.2.1 Organizational Chart

The Organizational Chart below outlines the structure of our proposed Team. The “chain of command” shown on the chart by solid lines represents the primary reporting relationships. Dashed lines represent communication relationships between major project disciplines and participants. We confirm that the organizational chart shown below and Key Personnel as contained in our Statement of Qualifications remain true and accurate, except for the following: We originally assigned Gary Christensen to the Right-of-Way Manager position, but he has recently left the company. In his place, we are assigning Ryan Marrah to perform this task. This change was approved by VDOT on June 19, 2017. As there are no changes in the functional relationships among participants, an updated narrative is not applicable.



4.2.2 - Conceptual Roadway Plans



4.2.2 Conceptual Roadway Plans

4.2.2 Conceptual Roadway Plans

Conceptual Roadway Plans are included in Volume II - Conceptual Plans.

4.2.3 - Conceptual Bridge Plans

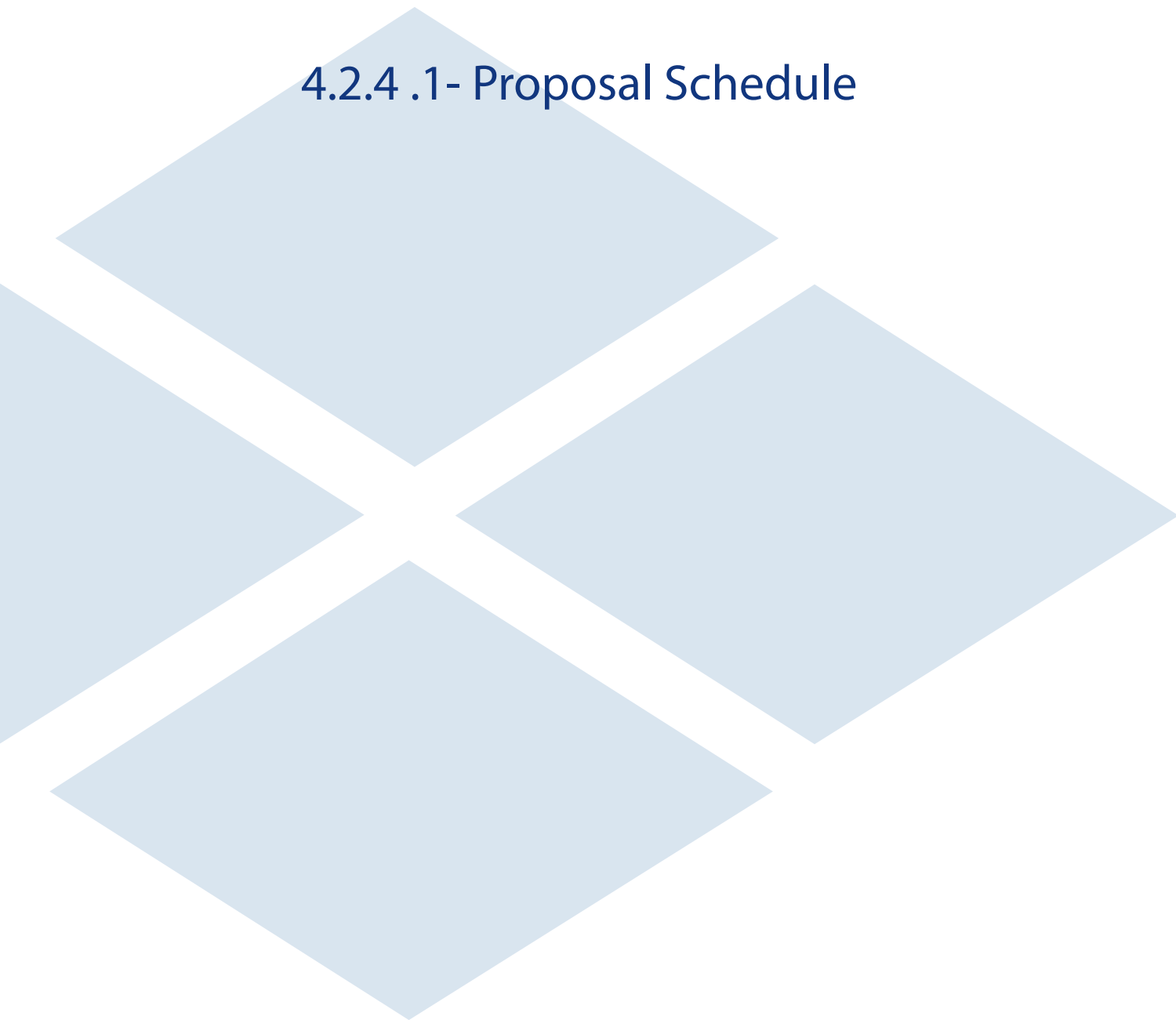


4.2.3 Conceptual Bridge Plans

4.2.3 Conceptual Bridge Plans

Conceptual Bridge Plans are included in Volume II - Conceptual Plans.

4.2.4 .1- Proposal Schedule





4.2.4.1 Proposal Schedule

4.2.4.1 Proposal Schedule

The Proposal Schedule is included in Volume II - Conceptual Plans.



4.2.4.2 - Proposal Schedule Narrative



4.2.4 Proposal Schedule

4.2.4.1 Proposal Schedule

The Shirley Team's Preliminary Proposal Schedule is provided in Volume II.

4.2.4.2 Proposal Schedule Narrative

Our Team's Proposal Schedule was developed with input from all Project disciplines including design and engineering, permitting, utilities, right-of-way, QA/QC, and construction. Throughout development of our conceptual plans and schedule, our Team focused on providing a cohesive approach that minimizes impacts to the traveling public while ensuring on-time completion.

Our Proposal Schedule is organized using a Work Breakdown Structure (WBS) by major Project discipline as follows:

- A. Schedule Milestones
- B. Design Phase
- C. Public Involvement
- D. Environmental Permitting
- E. Right of Way Acquisitions/Easements
- F. Utility Relocations
- G. Construction

Narrative descriptions of each WBS category are as follows:

Schedule Milestones

This section of the schedule captures the major project milestones for ease of reference. These include all contract milestones as anticipated in the RFP, the Scope Validation Period, plan approvals, construction notice-to-proceeds, the final inspection and punchlist process, and Final Completion.

Based on a Notice to Proceed (NTP) date of August 28, 2017, our Final Completion date will be August 22, 2019.

Design Phase

The Design Phase includes all general activities necessary to obtain approved construction plans. This section is divided into the following stages:

- a. Preliminary Design Work:* Beginning at NTP, we will immediately begin completion of the necessary preliminary activities in support of the design. These include aerial survey and mapping, utility designations and test pits, and distribution of property access letters. In addition, the primary focus of this stage is the completion of the Geotechnical Report. Due to the critical nature of bridges B624 and B625 over the Chickahominy River, we plan to emphasize the Bridge Geotechnical Report as a separate activity. As soon as the Boring Location Plan is established, we will mobilize crews to collect the borings at these bridges, complete the laboratory analysis, prepare and submit the report, and work with VDOT to obtain approval. After completion of the field borings at the bridges, crews will collect borings for the roadway, emphasizing the existing shoulder borings first, and proceed along the same path to obtain an approved Final Geotechnical Report.

4.2.4.2 Proposal Schedule Narrative

- b. MOT Plans:** As the first stage of the roadway construction requires that traffic be shifted to the outside shoulder in each direction of I-64, the initial construction activity will be to establish maintenance of traffic measures and strengthen the existing shoulder. In order to accomplish this, our strategy is to obtain approved MOT Plans and Traffic Management Plan (TMP) as a separate plan set. Preparation of these plans will begin at NTP and will incorporate geotechnical analysis of the existing shoulders to determine the appropriate strengthening requirements.
- c. Roadway Design:** Beginning at NTP, we will begin the design of the roadway elements, incorporating the preliminary design activities as they are completed. Roadway design will include lane widths, typical sections, pavement sections, drainage, cross slopes, noisewalls, guardrail, ITS, lighting, signage, pavement markings, right-of-way, and all other activities necessary. We expect first submission plans at the approximate 60% level, second submission at the 90% level, and final submission at the 100% level. Plans will be submitted to both VDOT and FHWA, with approval expected prior to the start of permanent construction activities.
- d. Bridge Design:** Preparation of bridge TS&L's will begin at NTP. Afterwards, we expect two major plan submissions. The first submission plans will occur shortly after completion of the geotechnical report, and final submission will occur once the bridge geotechnical report is approved.

Public Involvement

Efforts to communicate and coordinate the Project with the public will begin at NTP. Our Team will develop and submit our Advertising and Marketing Plan (AMP), and work with VDOT and other stakeholders to finalize. We will then implement the Plan elements including the social media efforts and billboard advertising.

Environmental Permitting

This section of our Schedule includes all activities necessary to obtain environmental permits and clearances to allow construction to commence. We anticipate the following:

- a. Noise Analysis:** Consistent with the RFP requirements, we will complete all activities necessary to perform a Final Design Noise Analysis. These activities include collecting field data, modeling and optimization of the noise analysis, and preparation and submission of the initial and final Noise Report. We will conduct the public survey and coordinate with VDOT for determination of final noise mitigation requirements.
- b. Joint Wetlands and Waters Permitting:** As impacts to wetlands and waters of the US are anticipated, we will complete the process to obtain permits prior to the start of the median widening scope and any impacts. Beginning with completion of mapping, our environmental experts will delineate wetlands and streams, and work with the permitting agency to obtain jurisdictional determination. We will then prepare and submit the Joint Permit Application (JPA) to the agencies for approval. While under review, we will purchase the necessary mitigation credits so that they are available prior to permit approval and impacting the areas.
- c. LD 445/Stormwater Permit:** Concurrent with the preparation of 1st submission Roadway Plans, we will prepare the LD-445 forms. At submission of these 1st submission plans, we will request permit coverage from VDOT as a schedule HOLD point.
- d. Threatened and Endangered Species:** During preparation of 1st submission Roadway Plans, but no later than two days prior to the start of bridge construction activities, we will perform a bat inventory to confirm that bats are not roosting on the bridge structures.

Right-of-Way Acquisitions/Easements

Minor drainage easements are required on Parcel Numbers 001 and 002. This section of the schedule outlines the expected process should the acquisitions occur by settlement and/or certificate. The process begins with

4.2.4.2 Proposal Schedule Narrative

submission of the 2nd submission Roadway Plans, at which time we will release title reports and appraisals. Upon approval by VDOT of the Plans and appraisals, we will present offers to the landowners, complete negotiations and obtain the rights by settlement and/or condemnation.

Utility Relocations

A review of the RFP documents, field conditions and discussions with affected utilities indicates that conflicts with proposed construction are expected to be minimal. Our Utility Manager will begin the process to coordinate with utility providers upon receipt of NTP. As utility designations and test pits are completed, we will meet with the VDOT Utility Coordinator and each utility to discuss project scope and submit the Utility Status Report. We will hold UFI meetings with each affected utility, review and approve relocation designs and cost responsibility, and coordinate the actual relocations, if any. Currently, the only relocation anticipated is Dominion Power's transmission crossing of I-64 that conflicts with the proposed noisewall. This may require Dominion to raise their lines in this vicinity. The additional area of concern is with the pier protection required for the Meadows Road overpass. Henrico County Public Utilities has an existing waterline crossing of I-64. Discussions with them indicate that this line is encased and should not present a conflict.

Construction Sequence

Our Proposal Schedule is organized around three major stages of work and several substages that correspond to specific areas in both the eastbound and westbound directions:

1. STAGE 1 – OUTSIDE SHOULDER STRENGTHENING

- a. **Area 1 (EB): Station 1549 to 1600** - This Area of work focuses on shifting eastbound traffic to the outside shoulder to gain access to the critical bridge work in the median. During night-time lane closures, we will mill and repave portions of the existing outside shoulder to the required depth. Traffic will then be shifted towards the outside. Temporary concrete barrier will then be placed on the median side.
- a. **Area 2 (EB): Station 1450 to 1549** - Upon completion of the milling/repaving operation in Area 1, crews will focus on Area 2, which is the balance of shoulder strengthening in the eastbound direction. When complete, all traffic in the eastbound direction will be shifted to the outside shoulder and temporary concrete barrier set on the median side.
- b. **Area 1 (WB): Station 2548 to 2609** - This Area focuses on shifting westbound traffic to the outside shoulder to gain access to the critical bridge work in the median. During night-time lane closures, we will mill and repave portions of the existing outside shoulder to the required depth. Traffic will then be shifted towards the outside. Temporary concrete barrier will then be placed on the median side.
- c. **Area 2 (WB): Station 2436 to 2548** - Upon completion of the milling/repaving operation in Area 1, crews will focus on Area 2, which is the balance of shoulder strengthening in the westbound direction. When complete, all traffic in the westbound direction will be shifted to the outside shoulder and temporary concrete barrier set on the median side.
- d. **Noisewall No. 16** - After completion and approval of the Noise Analysis, design and fabrication of the noisewall will commence. In preparation for noisewall construction, preliminary activities to establish access, clear and grub, and complete any required grading will be completed. Once panels and posts are fabricated, crews will install the foundations, set posts and erect panels. Final grading and seeding will occur once the wall is complete.
- e. **ITS/CCTV** - After approval of the construction plans, we will begin the installation of the ITS and CCTV system. Initial activities will be to install the directional drilled portions of the conduit system. Crews will then complete installation of the remaining conduit and junction boxes. Once complete, cable will be pulled, equipment installed, and the system connected. As part of this work, we will include conduits for power to the CCTV's, install their foundations, set poles, and connect equipment.

2. STAGE 2 - MEDIAN WIDENING

- a. **Area 1 (EB): Station 1549 to 1600.** - Work in this Area completes construction of the median widening and tie-ins to the bridge widening. After traffic is shifted in Stage 1, we will install erosion and sediment controls, remove guardrail, clear and grub the median, perform cuts and fills to establish subgrade, complete the storm drainage activities, construct the box culvert extensions, install underdrain, place aggregate subbase, and pave the base and intermediate asphalt layers. Topsoil will be respread and final seeding, guardrail and signage will be completed. Once the bridge widening is complete, we will remove the temporary concrete barrier, restripe and shift traffic towards the median to access the existing bridge superstructure. Median work in this eastbound direction is generally concurrent with work in the westbound direction.
- b. **Area 2 (EB): Station 1450 to 1549** - Work in this Area completes construction of the median widening for the balance of the eastbound direction and is tied to the Stage 1/Area 2 traffic shift. After traffic is shifted in Stage 1, we will install erosion and sediment controls, remove guardrail, clear and grub the median, perform cuts and fills to establish subgrade, complete the storm drainage activities, construct the box culvert extensions, install underdrain, place aggregate subbase, and pave the base and intermediate asphalt layers. Topsoil will be respread and final seeding, guardrail and signage will be completed. We will then remove the temporary concrete barrier, restripe and shift traffic towards the median to access the existing roadway. Median work in this eastbound direction is generally concurrent with work in the westbound direction.
- c. **Area 2A (EB): Median Widening at Weigh Station** – This substage is within the eastbound Area 2 work but is prioritized due to the need to replace the existing pavement under the Meadows Road overpass. In addition to the permanent median widening, it will be necessary to temporarily widen further toward the median to access the roadway pavement under the overpass in Stage 3. Work in this Area includes extension of the pedestrian tunnel, the pier protection of the overpass in the median, and is generally concurrent with work in the westbound direction.
- d. **Area 1 (WB): Station 2548 to 2609** - Work in this Area completes construction of the median widening and tie-ins to the bridge widening. After traffic is shifted in Stage 1, we will install erosion and sediment controls, remove guardrail, clear and grub the median, perform cuts and fills to establish subgrade, complete the storm drainage activities, construct the box culvert extensions, install underdrain, place aggregate subbase, and pave the base and intermediate asphalt layers. Topsoil will be respread and final seeding, guardrail and signage will be completed. Once the bridge widening is complete, we will remove the temporary concrete barrier, restripe and shift traffic towards the median to access the existing bridge superstructure. Median work in this westbound direction is generally concurrent with work in the eastbound direction.
- e. **Area 2 (WB): Station 2436 to 2548** - Work in this Area completes construction of the median widening for the balance of the westbound direction and is tied to the Stage 1/Area 2 traffic shift. After traffic is shifted in Stage 1, we will install erosion and sediment controls, remove guardrail, clear and grub the median, perform cuts and fills to establish subgrade, complete the storm drainage activities, construct the box culvert extensions, install underdrain, place aggregate subbase, and pave the base and intermediate asphalt layers. Topsoil will be respread and final seeding, guardrail and signage will be completed. We will then remove the temporary concrete barrier, restripe and shift traffic towards the median to access the existing roadway. Median work in this westbound direction is generally concurrent with work in the eastbound direction.
- f. **Area 2A (WB): Median Widening at Weigh Station** - This substage is within the westbound Area 2 work but is prioritized due to the need to replace the existing pavement under the Meadows Road overpass. In addition to the permanent median widening, it will be necessary to temporarily widen further toward the median to access the roadway pavement under the overpass in Stage 3. Work in this Area includes extension of the pedestrian tunnel, the pier protection of the overpass in the median, and is generally concurrent with work in the eastbound direction.

4.2.4.2 Proposal Schedule Narrative

- g. Bridge B624 and B625: Phase 1 (Median Widening)** – As the widening of both B624 and B625 towards the median are generally in the same location, both bridge widenings will be constructed at the same time. The initial activities are centered around installing access roads and cofferdams around the piers. Generally, due to accessibility, we plan to construct Piers 2 and 3 in their entirety and set the concrete beams on this span before beginning construction of Pier 1 and Abutment B. Similarly, we will set beams between Piers 1 and 2 before constructing Abutment A. Upon completion of all substructure elements, we will complete setting of the remaining concrete beams and form, reinforce and place the concrete deck. Crews will then construct the approach slabs, groove the deck, place temporary pavement markings, and set temporary bolt-down barrier on both sides to meet drainage criteria during the subsequent phase. As the roadway activities are completed in Area 1, traffic will be switched onto this portion of the bridge to provide access the existing bridge in Stage 3. We also anticipate replacement of the existing bearings occurring in this Stage 2.

3. STAGE 3 – EXISTING ROADWAY

- a. Area 1 (EB): Station 1549 to 1604** – After traffic is shifted towards the median in Stage 2, the priority work in this Area is centered around the rehabilitation of the existing bridge B624. Concurrent with that work, roadway activities will include pavement replacement at the bridge, milling and repaving the entire existing roadway and shoulder, rumble strips, final signage, and guardrail (if any). When complete, all remaining traffic barrier service will be removed, permanent pavement markings installed and the roadway opened to traffic in its final configuration concurrent with the balance of the eastbound direction.
- b. Area 2 (EB): Station 1412 to 1549** – Upon completion of the work at the weigh station and Meadows Road overpass described in Area 2A(EB) below, roadway activities will include milling and repaving the entire existing roadway and shoulder, rumble strips, final signage, and guardrail (if any). When complete, all remaining traffic barrier service will be removed, permanent pavement markings installed and the roadway opened to traffic in its final configuration concurrent with the balance of the eastbound direction.
- c. Area 2A (EB): Weigh Station Outside Widening at Ramps** – Once traffic is shifted towards the median in Stage 2, access will be provided to extend the acceleration and deceleration lanes at the weigh station, and to the pavement replacement and pier protection under the Meadows Road overpass. Work will also include relocation of the weigh station equipment and the proposed lighting.
- d. Bridge B624: Phase 2 (Outside Widening)** – Immediately after the Stage 2 traffic switch, we will complete demolition of the existing bridge deck and replace the existing concrete beam. We will then perform concrete repairs, form, reinforce, and place concrete for the new bridge deck. Crews will construct new approach slabs and slipform the new parapet on the outside of the bridge. Once traffic is shifted as the milling/paving operation progresses, we will slipform the parapet on the median side of the bridge.
- e. Area 1 (WB): Station 2548 to 2615** – After traffic is shifted towards the median in Stage 2, the priority work in this Area is centered around the rehabilitation of the existing bridge B625. Concurrent with that work, roadway activities will include pavement replacement at the bridge, milling and repaving the entire existing roadway and shoulder, rumble strips, final signage, and guardrail (if any). When complete, all remaining traffic barrier service will be removed, permanent pavement markings installed and the roadway opened to traffic in its final configuration concurrent with the balance of the westbound direction.
- f. Area 2 (WB): Station 2415 to 2548** - Upon completion of the work at the weigh station and Meadows Road overpass described in Area 2A(WB) below, roadway activities will include milling and repaving the entire existing roadway and shoulder, rumble strips, final signage, and guardrail (if any). When complete, all remaining traffic barrier service will be removed, permanent pavement markings

4.2.4.2 Proposal Schedule Narrative

installed and the roadway opened to traffic in its final configuration concurrent with the balance of the westbound direction.

- g. Area 2A (WB):** Weigh Station Outside Widening at Ramps - Once traffic is shifted towards the median in Stage 2, access will be provided to extend the acceleration and deceleration lanes at the weigh station, and to the pavement replacement and pier protection under the Meadows Road overpass. Work will also include relocation of the weigh station equipment and the proposed lighting.
- h. Bridge B625: Phase 2 (Outside Widening)** - Immediately after the Stage 2 traffic switch, we will complete demolition of the existing bridge deck. We will then perform concrete repairs, form, reinforce, and place concrete for the new bridge deck. Crews will construct new approach slabs and slipform the new parapet on the outside of the bridge. Once traffic is shifted as the milling/paving operation progresses, we will slipform the parapet on the median side of the bridge.

Critical Path

The critical path, based on the longest path, is depicted on the attached Proposal Schedule, and includes the following activity descriptions:

SCHEDULE MILESTONES

- Notice to Proceed
- Final Plan and Permit Approval
- VDOT Issue Full NTP – Roadway Construction
- VDOT Inspections/Punchlist Completion
- Final Completion

DESIGN PHASE

Preliminary Design Work

- Prepare Geotechnical Boring Location Plan
- Geotechnical Investigations – Roadway
- Geotechnical Laboratory Analysis – Roadway
- Prepare/Submit Final Geotechnical Report
- VDOT Review/Approve Final Geotechnical Report

Roadway Design

- Roadway Plans Approved

CONSTRUCTION

Stage 2 – Median Widening

Bridge B624(EB) & B625(WB) – Stage 2, Phase 1

- Install Access Roads
- Install Cofferdam – Pier 2
- Excavate Footing – Pier 2
- Drive Piles – Pier 2
- Set Beams Pier 2 to Pier 3
- Excavate Footing – Pier 1
- Drive Piles – Pier 1
- F/R/P Footings – Pier 1
- F/R/P Stem Walls – Pier 1

4.2.4.2 Proposal Schedule Narrative

- F/R/P Pier Caps – Pier 1
- Set Beams Pier 1 to Pier 2
- Drive Piles – Pier 3
- F/R/P Footings – Pier 3
- F/R/P Stem Walls – Pier 3
- F/R/P Pier Caps – Pier 3
- Excavate - Abutment A
- Drive Piles – Abutment A
- F/R/P Footings – Abutment A
- F/R/P Stem Walls – Abutment A
- F/R/P Backwalls – Abutment A
- Set Beams Abutment A to Pier 1
- Backfill Abutment A
- Substructure Complete – B624 & B625
- Form/Place Concrete Diaphragms
- SIP/Form Deck and Overhangs
- Install Deck Reinforcing
- Set up Deck Screed
- Place Concrete Deck
- Form/Pour Approach Slabs
- Set Temporary Bolt-Down Barrier on Bridge Decks (L&R)
- Deck Grooving
- B624 & B625 Stage 2 – Phase 1 (EB/WB) Complete

I-64 EASTBOUND

Stage 2 – Area 1 (EB): Sta. 1549-1600

- Install E&S Controls
- Shift Traffic

I-64 WESTBOUND

Stage 2 – Area 1 (WB): Sta. 2548-2609

- Shift Traffic
- Stage 2 – Area 1 (WB) Complete

Stage 3 – Existing Roadway

I-64 WESTBOUND

Stage 3 – Area 1 (WB): Sta. 2548-2615

- Mill Existing Pavement
- Surface Asphalt SMA-12.5
- Remove/Replace Existing Guardrail
- Permanent Pavement Markings
- Signage
- Rumble Strips
- Stage 3 – Area 1 (WB) Complete

Stage 3 – Area 2 (WB): Sta. 2415-2548

- Open All Westbound Lanes to Traffic
- I-64 Westbound Complete

Bridge B625 (WB) – Stage 3, Phase 2

- Demolish Concrete Deck & Approach Slabs
- Form Deck and Overhangs
- Install Deck Reinforcing
- Form/Pour Backwalls
- Set up Screed
- Place Concrete Deck
- Approach Backfill
- Form/Pour Approach Slabs
- Concrete Parapet (Outside)
- Deck Grooving
- Roadway Pavement Tie-ins
- B625 Stage 3 – Phase 2 (WB) Complete

Means and Methods

- Due to access limitations to the median widening for Bridges B624 and B625, we will install access roads and cofferdams adjacent to the Chickahominy River from the median and both sides of the interstate.
- Our plan is to install concrete beams between spans as substructure elements are completed, (ie: between Piers 2 and 3, Piers 1 and 2), prior to constructing subsequent substructure elements.
- We anticipate accessing a majority of Noisewall No. 16 from Woodview Road in order to minimize traffic disruptions on I-64 westbound.

Key Assumptions

- Notice to Proceed (NTP) will be issued no later than August 28, 2017;
- There are no Time of Year (TOY) restrictions, and/or threatened and endangered species that will affect the schedule;
- Advance MOT Plan approval will be granted to allow shoulder strengthening activities to commence;
- Weather will permit shoulder strengthening activities to commence March 1, 2018;
- Utility relocations will occur in a timely manner;
- Schedule accounts for Noisewall No. 16, but no others;
- Weigh Station work by others will occur in a manner that does not delay the schedule; and
- Waterline casing on Henrico County Public Utilities facilities will be adequate for pier protection at Meadows Road overpass.

Response to Request for Proposals

I-64 WIDENING EXIT 200 TO 205

Henrico and New Kent Counties, Virginia

State Project No.: 0064-043-602

Federal Project No.: NHPP-064-3(499)

Contract ID Number: C00107458DB95

VOLUME II: CONCEPTUAL PLANS



SUBMITTED BY:



IN ASSOCIATION WITH:



4.2.2 & 4.2.3 - Conceptual Roadway & Structural Plans



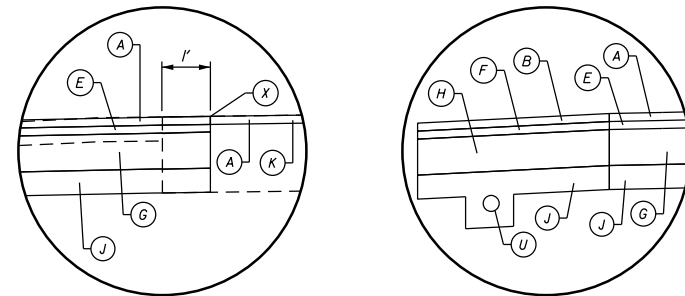
PROJECT MANAGER Shirley Contracting Company, LLC
 SURVEYED BY, DATE _____
 DESIGN BY Dewberry
 SUBSURFACE UTILITY BY, DATE _____



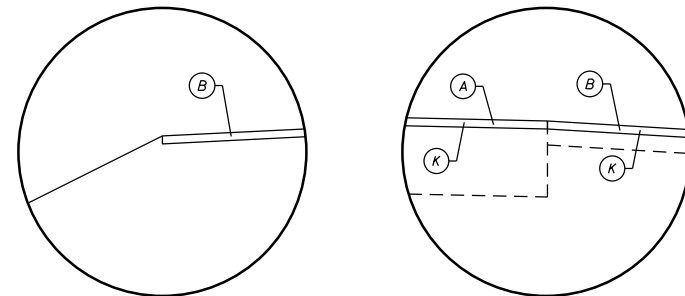
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	VA.	64	0064-965-264, P-101, R-201, C-501	2A

TYPICAL SECTIONS I-64

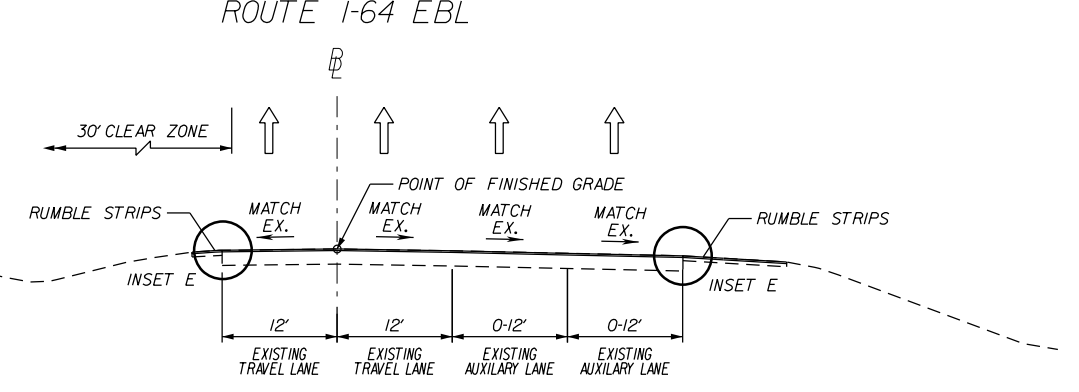
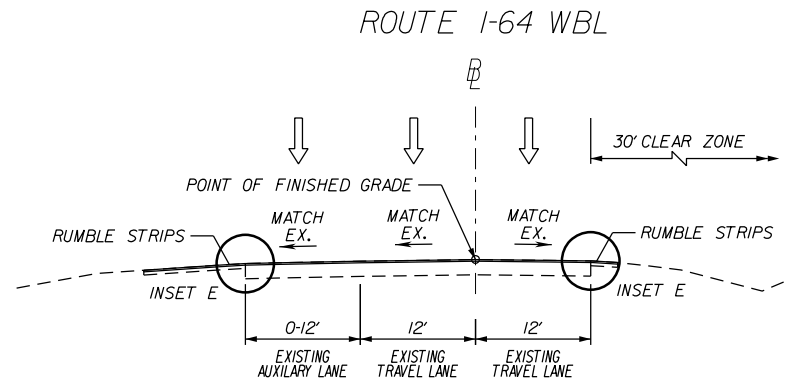
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



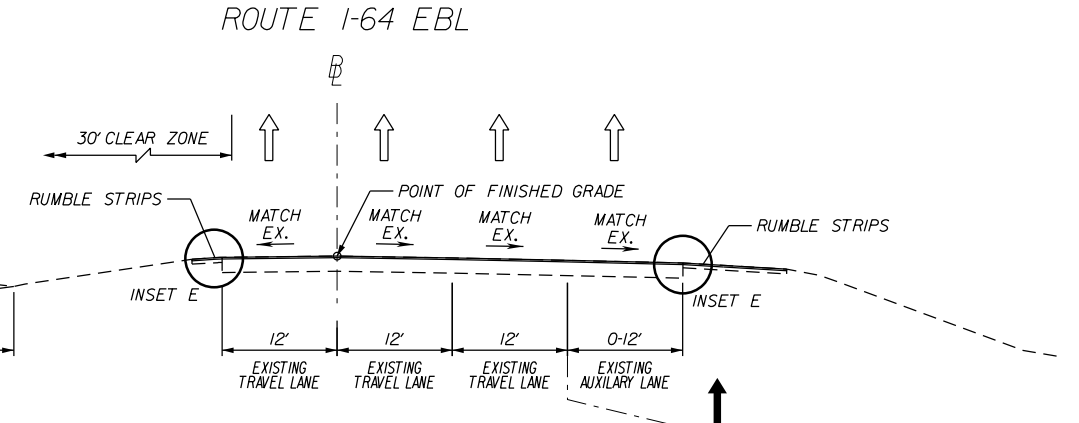
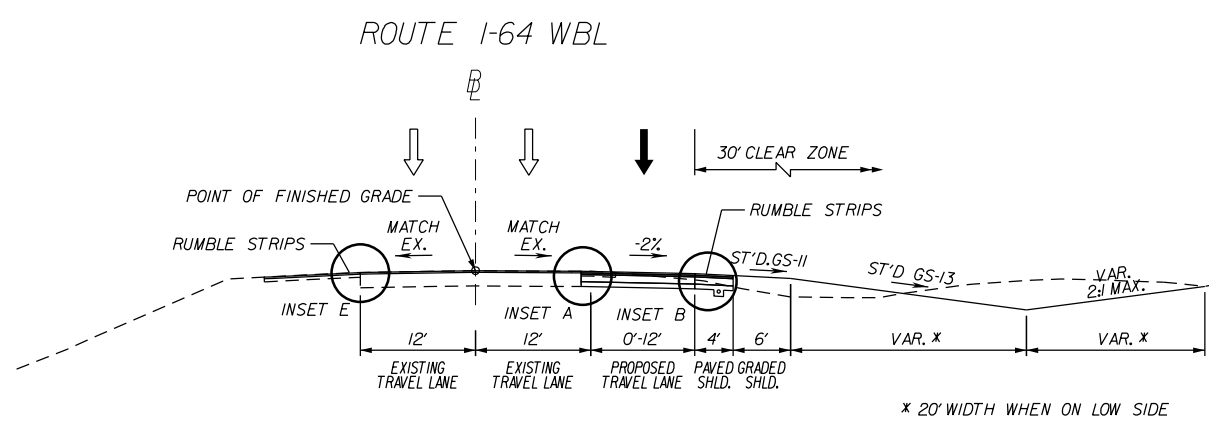
INSET A INSET B



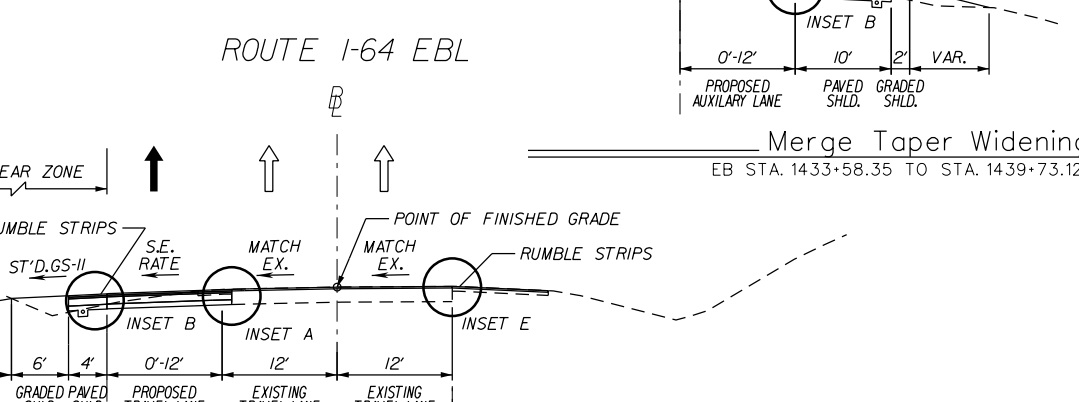
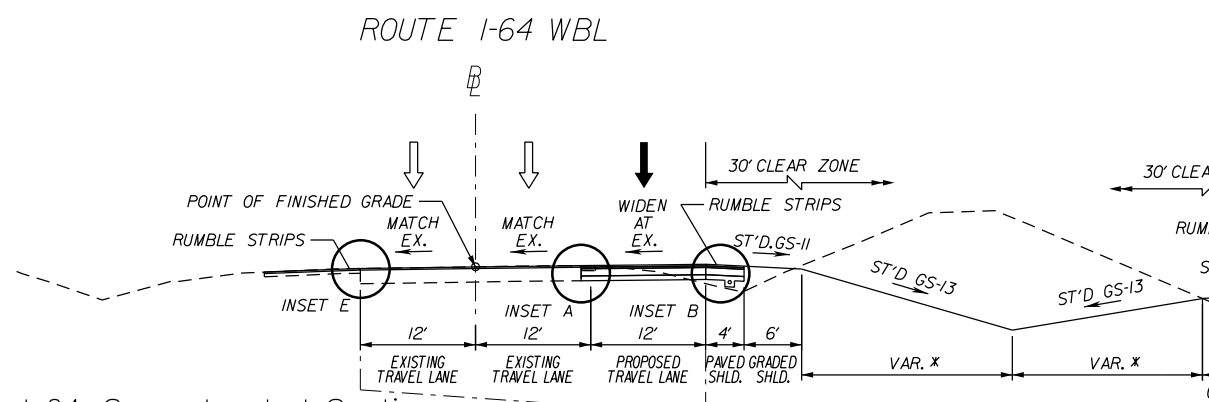
INSET C INSET E



I-64 Mill & Overlay Section
 WB STA. 2414+68.55 TO STA. 2436+01.72
 WB STA. 2609+37.25 TO STA. 2615+50.00
 EB STA. 1411+95.06 TO STA. 1434+50.00
 EB STA. 1599+75.69 TO STA. 1604+50.00

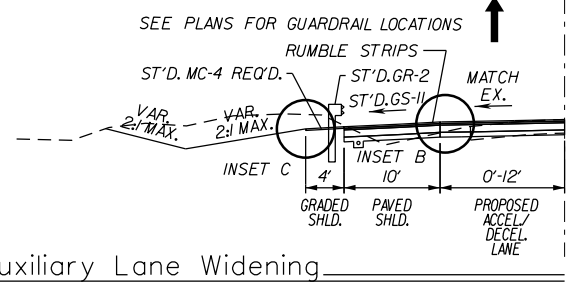


I-64 Normal Crown Section
 WB STA. 2436+01.72 TO STA. 2445+26.72
 EB STA. 1434+50.00 TO STA. 1448+00.00

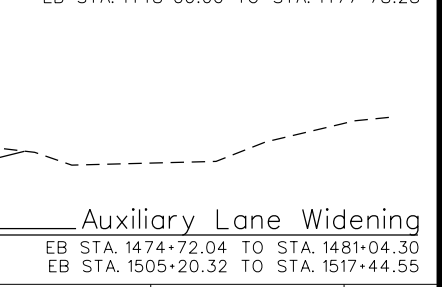
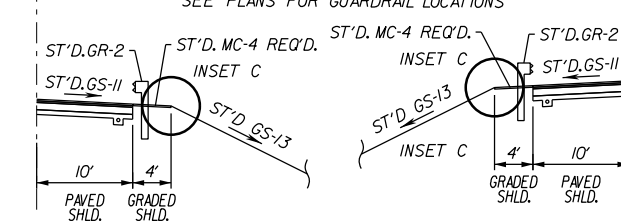


I-64 Superelevated Section
 WB STA. 2445+26.72 TO STA. 2477+06.89

I-64 Superelevated Section
 EB STA. 1448+00.00 TO STA. 1477+78.28



Auxiliary Lane Widening
 WB STA. 2463+97.28 TO STA. 2475+08.89
 WB STA. 2501+17.31 TO STA. 2507+32.45



Auxiliary Lane Widening
 EB STA. 1474+72.04 TO STA. 1481+04.30
 EB STA. 1505+20.32 TO STA. 1517+44.55

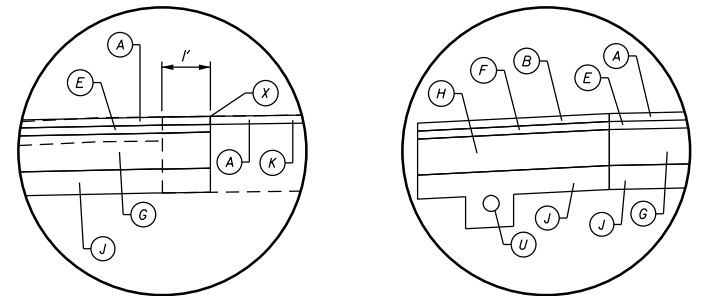
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 - (B) SURFACE COURSE - 2.0 INCHES ASPHALT CONCRETE, SM-12.5D
 - (C) INTERMEDIATE COURSE - VARIABLE DEPTH ASPHALT CONCRETE, SMA-19.0 (64E-22)
 - (D) INTERMEDIATE COURSE - VARIABLE DEPTH ASPHALT CONCRETE, IM-19.0D
 - (E) INTERMEDIATE COURSE - 2.0 INCHES ASPHALT CONCRETE, SMA-19.0 (64E-22)
 - (F) INTERMEDIATE COURSE - 2.0 INCHES ASPHALT CONCRETE, IM-19.0D
 - (G) BASE COURSE - 9.0 INCHES ASPHALT CONCRETE, BM-25.0D-0.4
 - (H) BASE COURSE - 9.0 INCHES ASPHALT CONCRETE, BM-25.0D
 - (J) SUBBASE COURSE - 6.0 INCHES AGGREGATE BASE MATERIAL TYPE 1, NO. 2IB
 - (K) MILL 2.0 INCHES OF EXISTING ASPHALT CONCRETE
 - (U) ST'D UD-4
 - (X) SAWCUT

PROJECT MANAGER Shirley Contracting Company, LLC
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 DESIGN BY Dewberry
 SUBSURFACE UTILITY BY, DATE



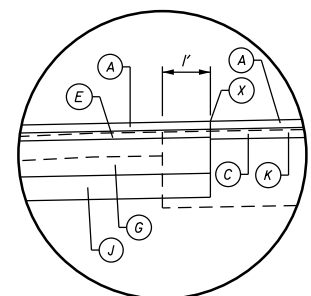
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TYPICAL SECTIONS I-64

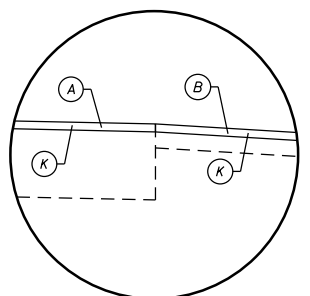


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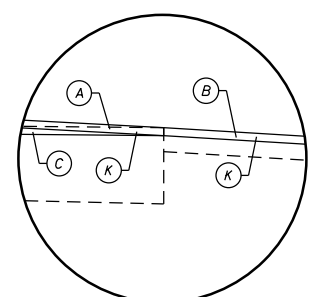
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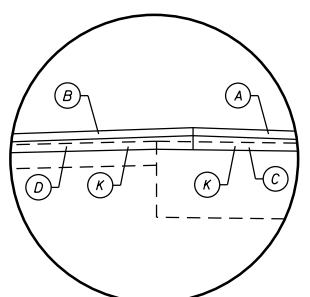
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INSET E

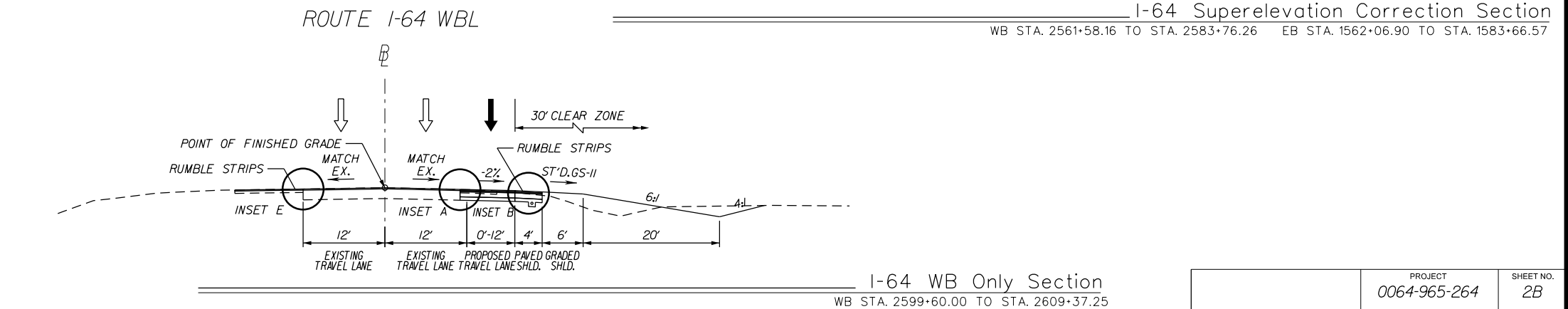
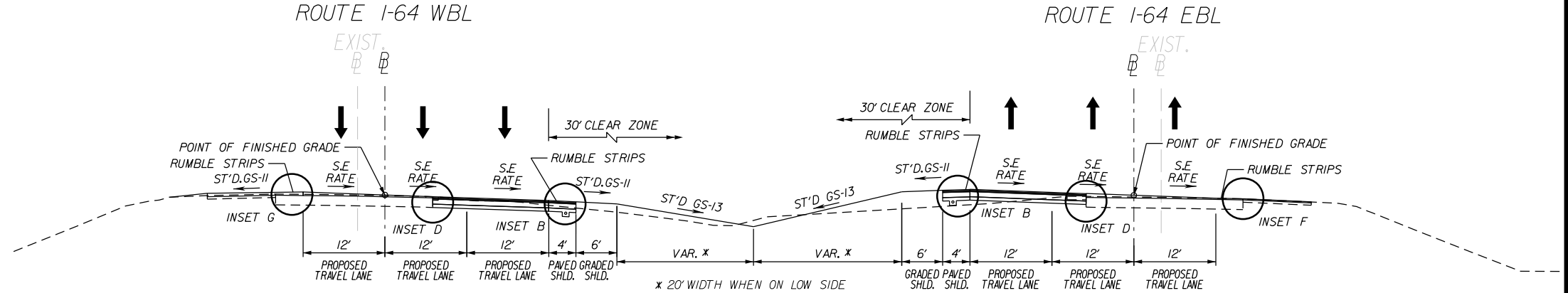
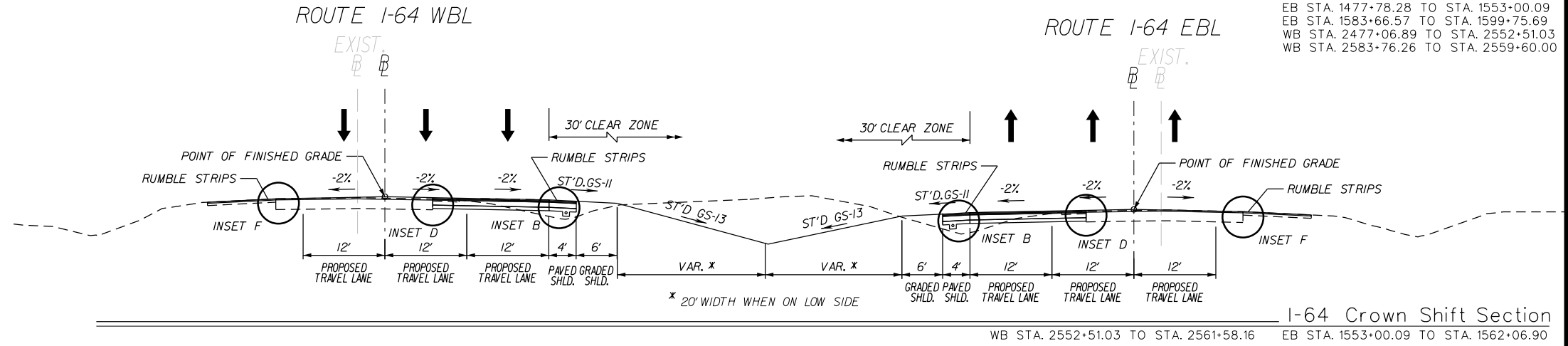
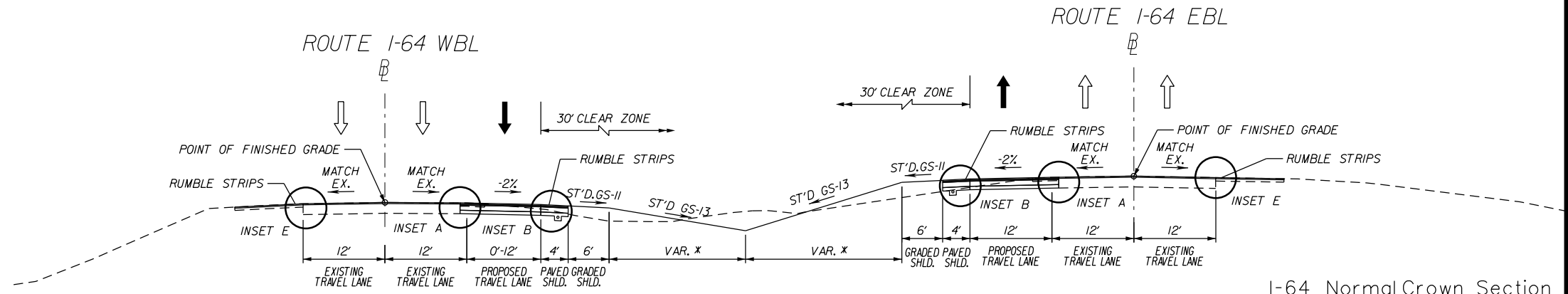


INSET F



INSET G

- LEGEND:
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 - (B) SURFACE COURSE - 2.0 INCHES ASPHALT CONCRETE, SM-12.5D
 - (C) INTERMEDIATE COURSE - VARIABLE DEPTH ASPHALT CONCRETE, SMA-19.0 (64E-22)
 - (D) INTERMEDIATE COURSE - VARIABLE DEPTH ASPHALT CONCRETE, IM-19.0D
 - (E) INTERMEDIATE COURSE - 2.0 INCHES ASPHALT CONCRETE, SMA-19.0 (64E-22)
 - (F) INTERMEDIATE COURSE - 2.0 INCHES ASPHALT CONCRETE, IM-19.0D
 - (G) BASE COURSE - 9.0 INCHES ASPHALT CONCRETE, BM-25.0D-0.4
 - (H) BASE COURSE - 9.0 INCHES ASPHALT CONCRETE, BM-25.0D
 - (J) SUBBASE COURSE - 6.0 INCHES AGGREGATE BASE MATERIAL TYPE 1, NO. 21B
 - (K) MILL 2.0 INCHES OF EXISTING ASPHALT CONCRETE
 - (U) ST'D UD-4
 - (X) SAWCUT



PROJECT	SHEET NO.
0064-965-264	2B

PROJECT MANAGER Shirley Contracting Company, LLC
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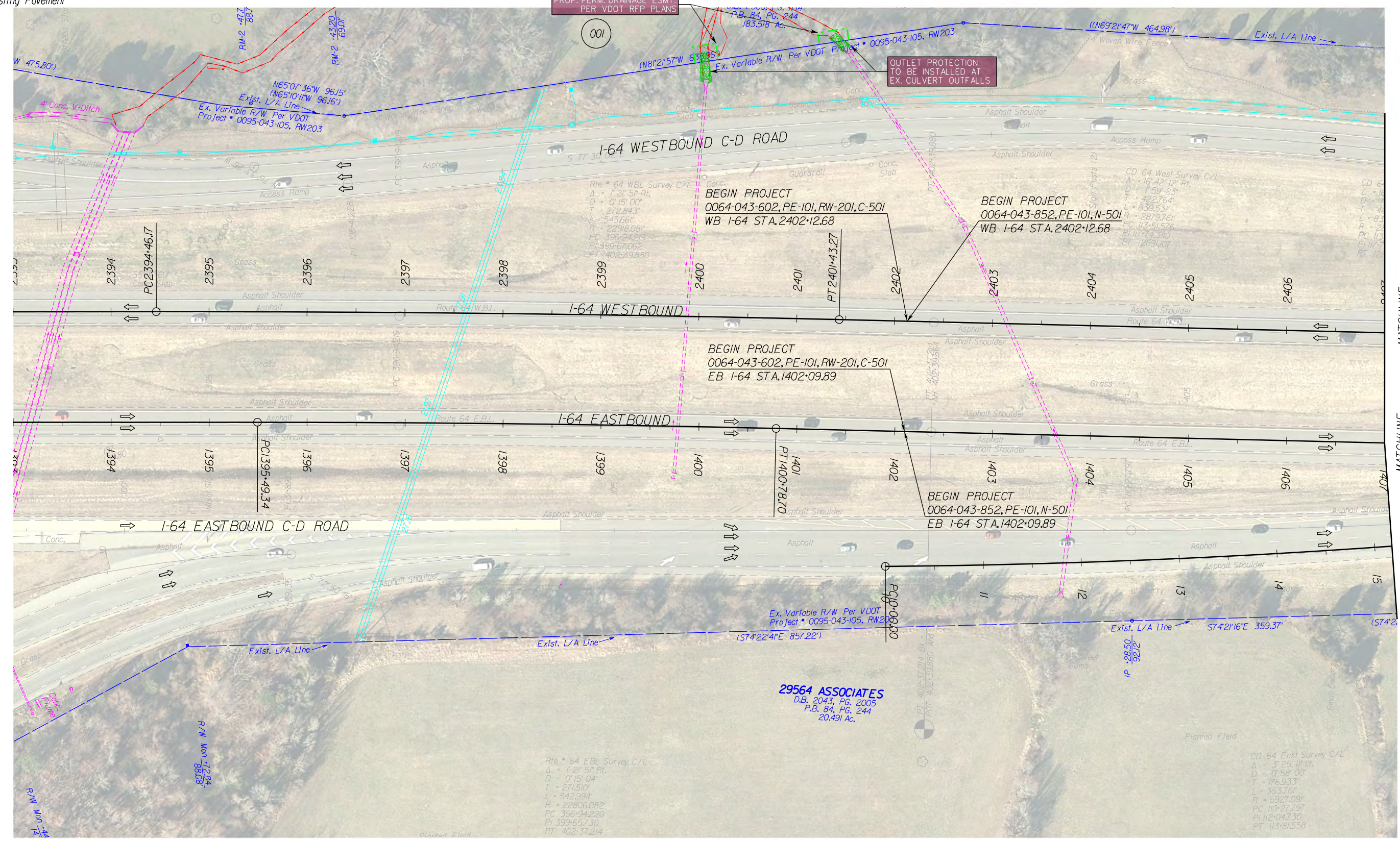
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	64	0064-965-264, P-101, R-201, C-501	3

LEGEND

- Denotes Proposed Full Depth Pavement
- Denotes Proposed Full Depth Shoulder
- Denotes Proposed Mill & Overlay
- Denotes Demolition of Existing Pavement
- Denotes Limits of Clearing
- Denotes Existing Travel Lane
- Denotes Proposed Travel Lane
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

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

SCALE 0 50' 100'



MATCHLINE STA. 2407+00 WB BL SEE SHEET 4

MATCHLINE STA. 1407+00 EB BL SEE SHEET 4

29564 ASSOCIATES
 D.B. 2043, PG. 2005
 P.B. 84, PG. 244
 20.491 Ac.

CD 64 East Survey C/L
 Δ = 3° 25' 11" Lt.
 D = 0' 58' 00"
 T = 176.933'
 L = 353.761'
 R = 5927.091'
 PC 110+27.791
 PI 112+04.730
 PT 113+81.558

Rte * 64 EBL Survey C/L
 Δ = 1° 21' 51" Rt.
 D = 0' 15' 04"
 T = 271.510'
 L = 542.994'
 R = 22806.082'
 PC 396+94.220
 PI 399+65.730
 PT 402+37.214

PROJECT	SHEET NO.
0064-043-602	3

PROJECT MANAGER Shirley Contracting Company, LLC
 SURVEYED BY, DATE _____
 DESIGN BY Dewberry
 SUBSURFACE UTILITY BY, DATE _____



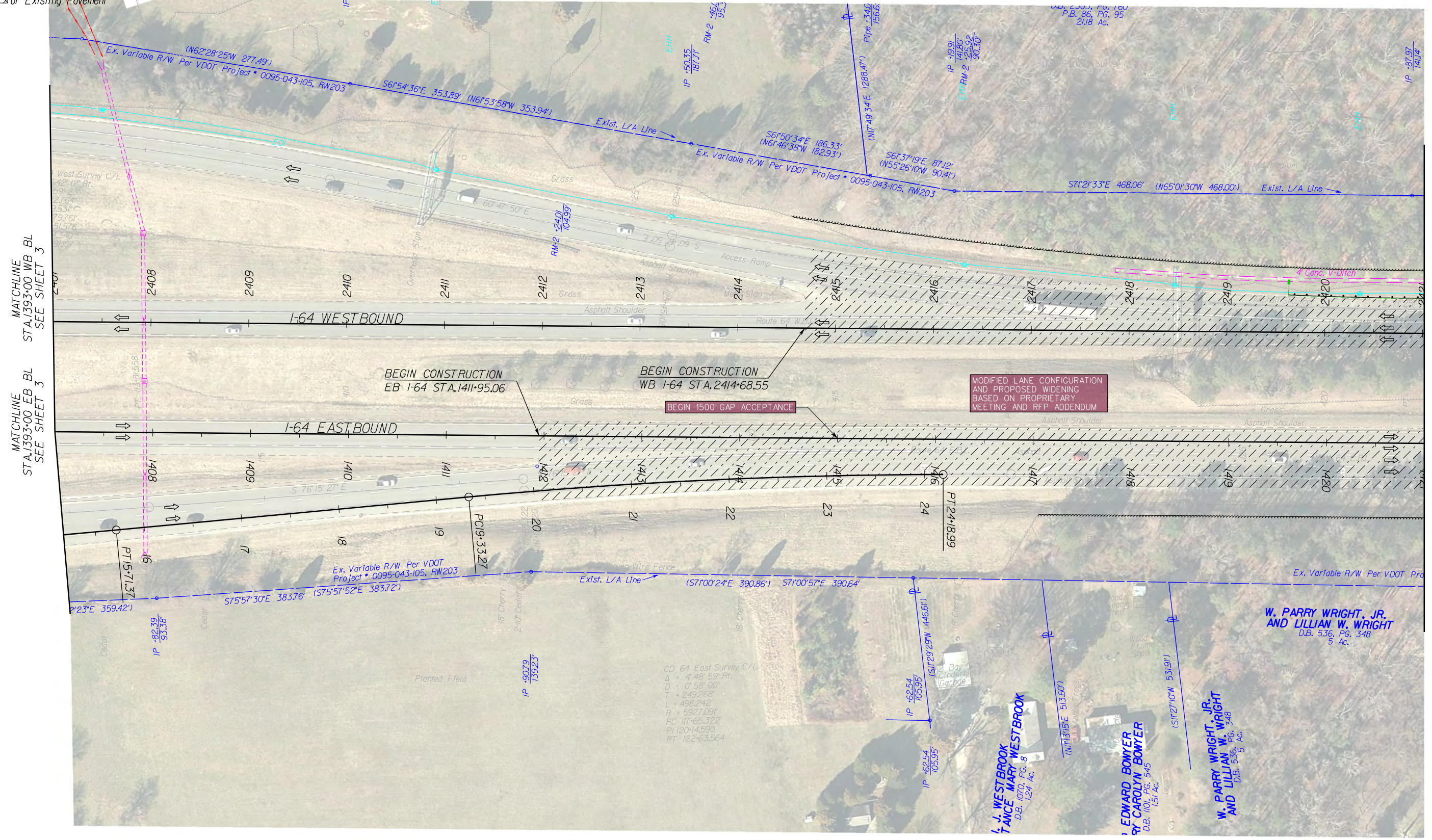
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	64	0064-965-264, P-101, R-201, C-501	4

LEGEND

- Denotes Proposed Full Depth Pavement
- Denotes Proposed Full Depth Shoulder
- Denotes Proposed Mill & Overlay
- Denotes Demolition of Existing Pavement
- Denotes Limits of Clearing
- Denotes Existing Travel Lane
- Denotes Proposed Travel Lane
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

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

SCALE
 0 50' 100'



MATCHLINE STA. 1393+00 WB BL SEE SHEET 3
 MATCHLINE STA. 1393+00 EB BL SEE SHEET 3

MATCHLINE STA. 2421+00 WB BL SEE SHEET 5
 MATCHLINE STA. 1421+00 EB BL SEE SHEET 5

PROJECT MANAGER Shirley Contracting Company, LLC
 SURVEYED BY, DATE _____
 DESIGN BY Dewberry
 SUBSURFACE UTILITY BY, DATE _____



REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	64	0064-965-264, P-101, R-201, C-501	5

LEGEND

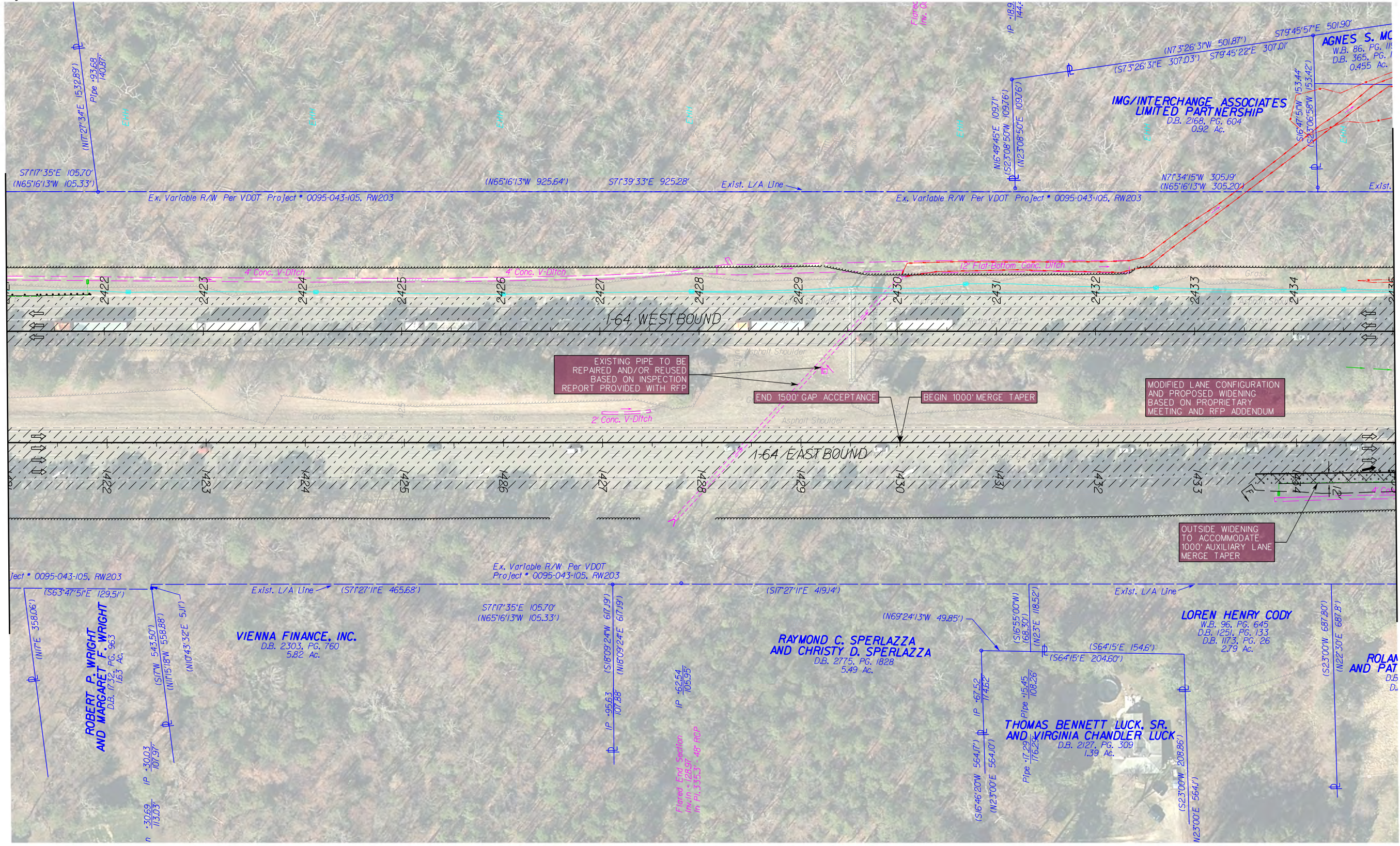
- Denotes Proposed Full Depth Pavement
- Denotes Proposed Full Depth Shoulder
- Denotes Proposed Mill & Overlay
- Denotes Demolition of Existing Pavement
- Denotes Limits of Clearing
- Denotes Existing Travel Lane
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- Denotes Construction Limits in Fills

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

SCALE
 0 50' 100'

MATCHLINE STA. 242+00 WB BL SEE SHEET 4

MATCHLINE STA. 142+00 EB BL SEE SHEET 4



MATCHLINE STA. 2435+00 WB BL SEE SHEET 6

MATCHLINE STA. 1435+00 EB BL SEE SHEET 6

PROJECT MANAGER Shirley Contracting Company, LLC
 SURVEYED BY, DATE _____
 DESIGN BY Dewberry
 SUBSURFACE UTILITY BY, DATE _____



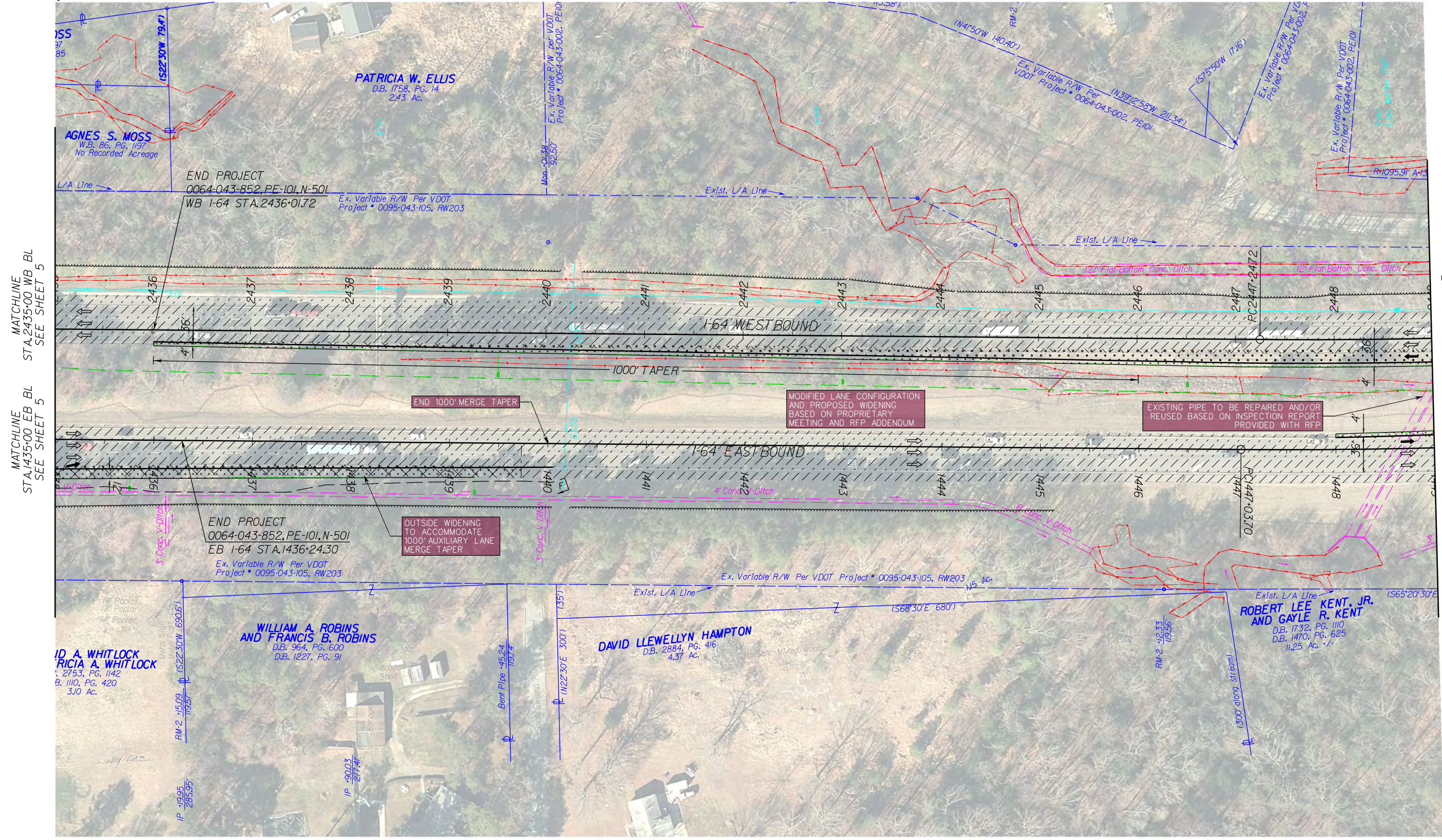
REVISION	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	64	0064-965-264, P-101, R-201, C-501	6

LEGEND

- Denotes Proposed Full Depth Pavement
- Denotes Proposed Full Depth Shoulder
- Denotes Proposed Mill & Overlay
- Denotes Demolition of Existing Pavement
- Denotes Limits of Clearing
- Denotes Existing Travel Lane
- Denotes Proposed Travel Lane
- Denotes Construction Limits in Cuts
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DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

SCALE
 0 50' 100'



MATCHLINE STA. 2435+00 WB BL SEE SHEET 5
 MATCHLINE STA. 1435+00 EB BL SEE SHEET 5

MATCHLINE STA. 2449+00 WB BL SEE SHEET 7
 MATCHLINE STA. 1449+00 EB BL SEE SHEET 7

PROJECT	SHEET NO.
0064-043-602	6

PROJECT MANAGER Shirley Contracting Company, LLC
 SURVEYED BY, DATE _____
 DESIGN BY Dewberry
 SUBSURFACE UTILITY BY, DATE _____



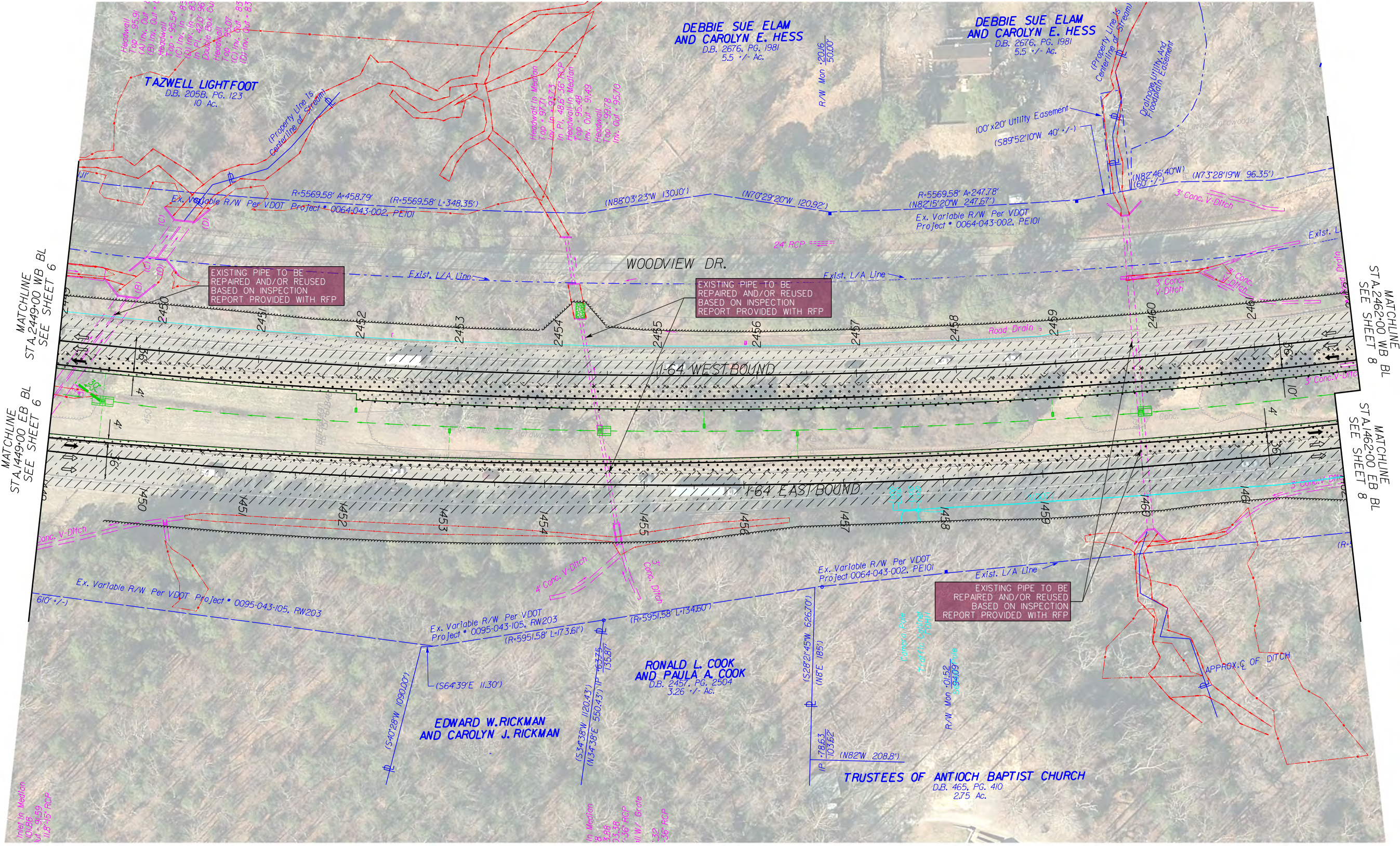
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	64	0064-965-264, P-101, R-201, C-501	7

LEGEND

- Denotes Proposed Full Depth Pavement
- Denotes Proposed Full Depth Shoulder
- Denotes Proposed Mill & Overlay
- Denotes Demolition of Existing Pavement
- Denotes Limits of Clearing
- Denotes Existing Travel Lane
- Denotes Proposed Travel Lane
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DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

SCALE
 0 50' 100'



MATCHLINE STA. 2449+00 WB, BL SEE SHEET 6

MATCHLINE STA. 1449+00 EB, BL SEE SHEET 6

MATCHLINE STA. 2462+00 WB, BL SEE SHEET 8

MATCHLINE STA. 1462+00 EB, BL SEE SHEET 8



PROJECT MANAGER Shirley Contracting Company, LLC
 SURVEYED BY, DATE _____
 DESIGN BY Dewberry
 SUBSURFACE UTILITY BY, DATE _____



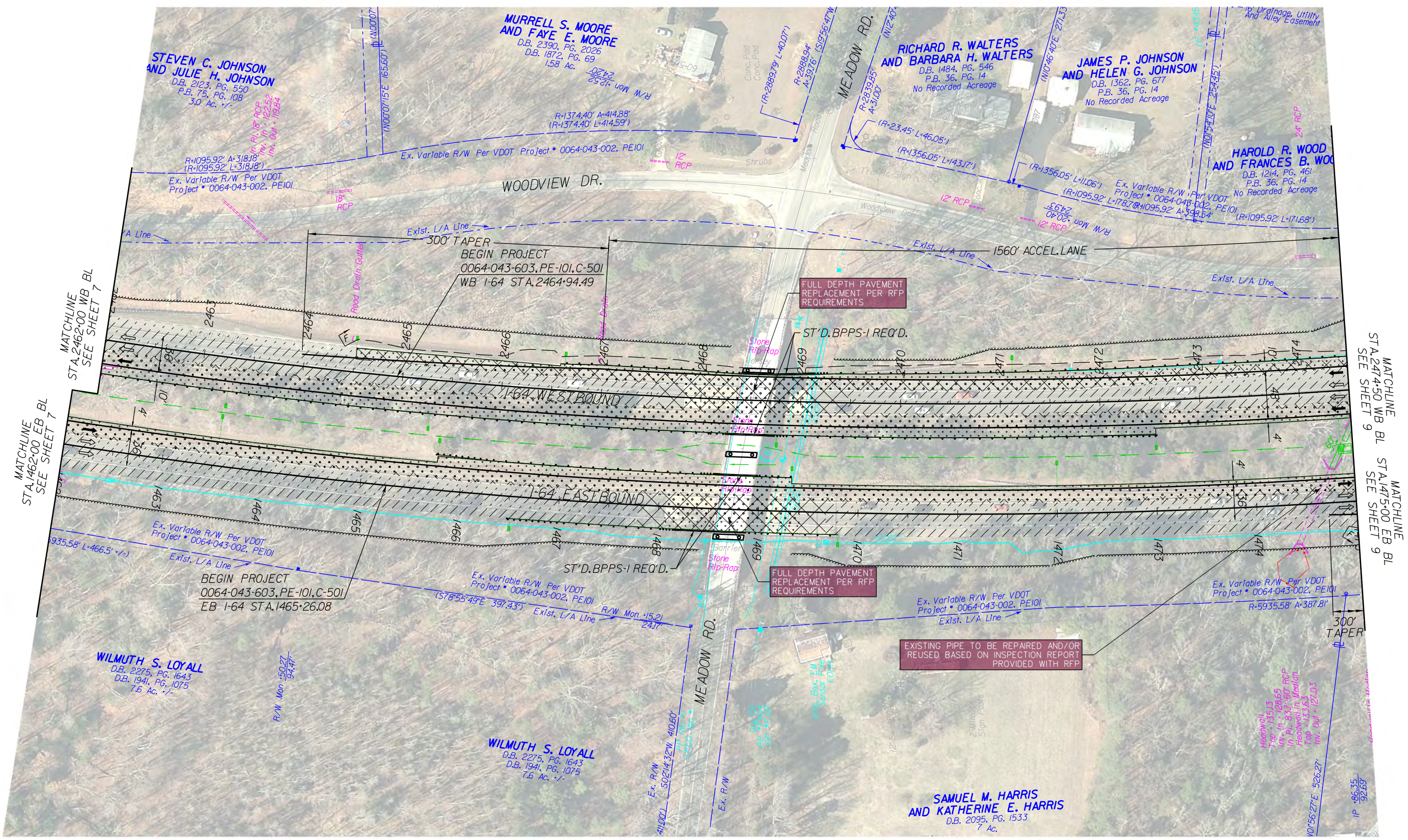
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	64	0064-965-264, P-101, R-201, C-501	8

LEGEND

- Denotes Proposed Full Depth Pavement
- Denotes Proposed Full Depth Shoulder
- Denotes Proposed Mill & Overlay
- Denotes Demolition of Existing Pavement
- Denotes Limits of Clearing
- Denotes Existing Travel Lane
- Denotes Proposed Travel Lane
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

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

SCALE
 0 50' 100'



PROJECT MANAGER Shirley Contracting Company, LLC
 SURVEYED BY, DATE _____
 DESIGN BY Dewberry
 SUBSURFACE UTILITY BY, DATE _____



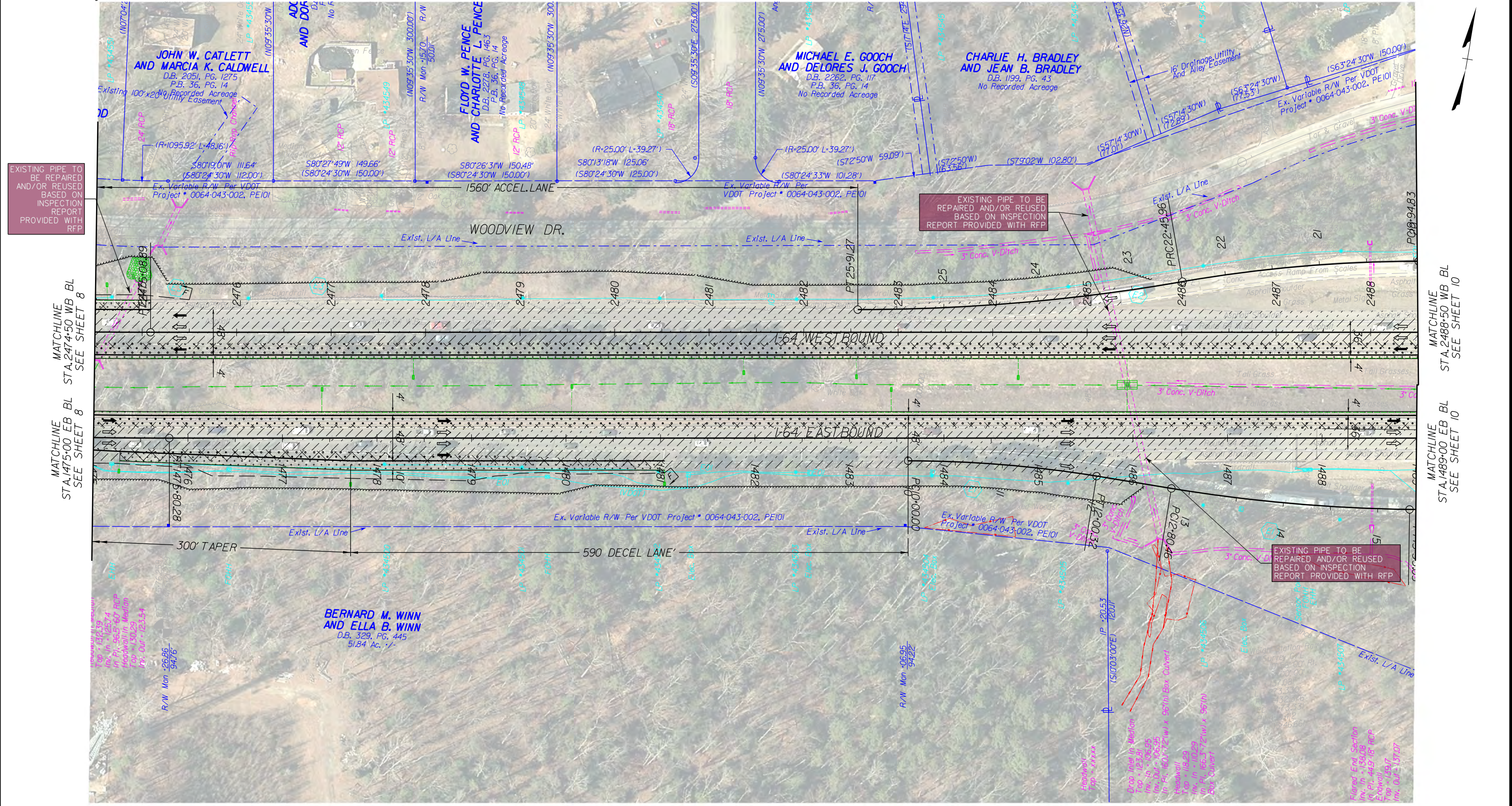
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	64	0064-965-264, P-101, R-201, C-501	9

LEGEND

- Denotes Proposed Full Depth Pavement
- Denotes Proposed Full Depth Shoulder
- Denotes Proposed Mill & Overlay
- Denotes Demolition of Existing Pavement
- Denotes Limits of Clearing
- Denotes Existing Travel Lane
- Denotes Proposed Travel Lane
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

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

SCALE
 0 50' 100'



EXISTING PIPE TO BE REPAIRED AND/OR REUSED BASED ON INSPECTION REPORT PROVIDED WITH RFP

EXISTING PIPE TO BE REPAIRED AND/OR REUSED BASED ON INSPECTION REPORT PROVIDED WITH RFP

EXISTING PIPE TO BE REPAIRED AND/OR REUSED BASED ON INSPECTION REPORT PROVIDED WITH RFP

MATCHLINE STA. 1475+00 EB BL SEE SHEET 8

MATCHLINE STA. 1489+00 EB BL SEE SHEET 10

PROJECT	SHEET NO.
0064-043-602	9

PROJECT MANAGER Shirley Contracting Company, LLC
 SURVEYED BY, DATE _____
 DESIGN BY Dewberry
 SUBSURFACE UTILITY BY, DATE _____



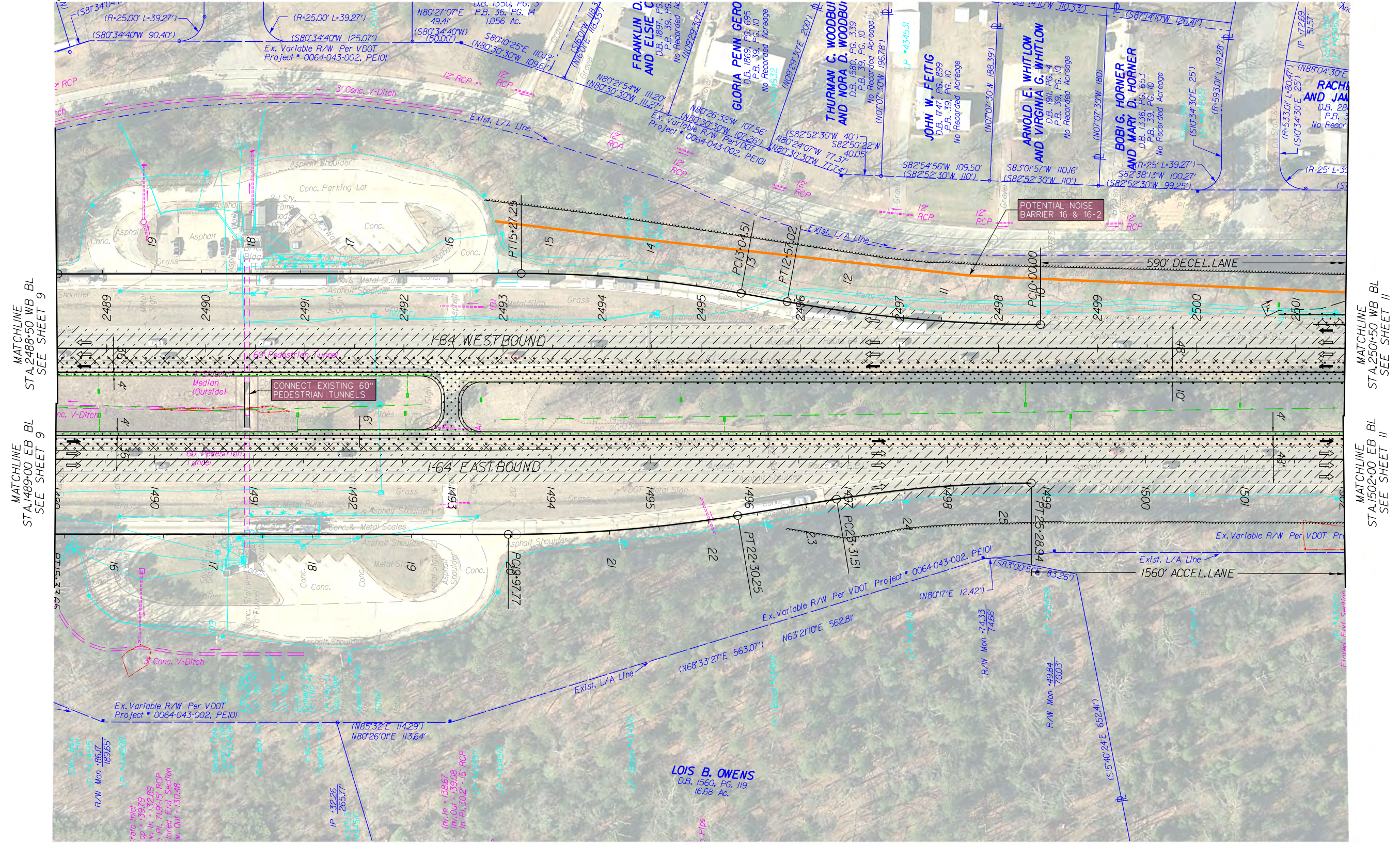
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	64	0064-965-264, P-101, R-201, C-501	10

LEGEND

- Denotes Proposed Full Depth Pavement
- Denotes Proposed Full Depth Shoulder
- Denotes Proposed Mill & Overlay
- Denotes Demolition of Existing Pavement
- Denotes Limits of Clearing
- Denotes Existing Travel Lane
- Denotes Proposed Travel Lane
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DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

SCALE
 0 50' 100'



MATCHLINE STA. 2488+50 WB BL SEE SHEET 9

MATCHLINE STA. 1489+00 EB BL SEE SHEET 9

MATCHLINE STA. 2501+50 WB BL SEE SHEET 11

MATCHLINE STA. 1502+00 EB BL SEE SHEET 11

PROJECT	SHEET NO.
0064-043-602	10

PROJECT MANAGER Shirley Contracting Company, LLC
 SURVEYED BY, DATE
 DESIGN BY Dewberry
 SUBSURFACE UTILITY BY, DATE



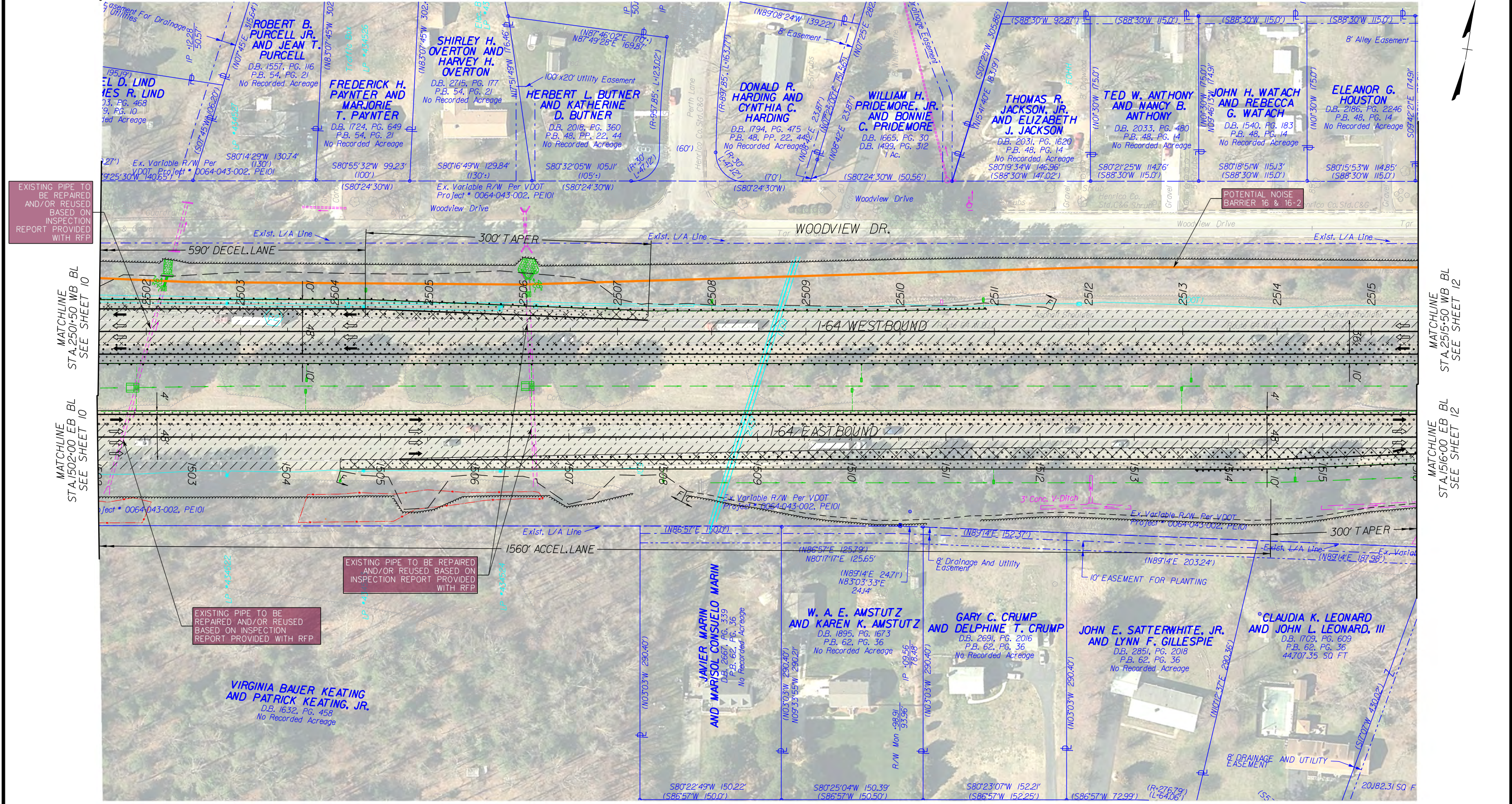
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	64	0064-965-264, P-101, R-201, C-501	11

LEGEND

- Denotes Proposed Full Depth Pavement
- Denotes Proposed Full Depth Shoulder
- Denotes Proposed Mill & Overlay
- Denotes Demolition of Existing Pavement
- Denotes Limits of Clearing
- Denotes Existing Travel Lane
- Denotes Proposed Travel Lane
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

SCALE 0 50' 100'

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



EXISTING PIPE TO BE REPAIRED AND/OR REUSED BASED ON INSPECTION REPORT PROVIDED WITH RFP

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EXISTING PIPE TO BE REPAIRED AND/OR REUSED BASED ON INSPECTION REPORT PROVIDED WITH RFP

MATCHLINE STA. 2501+50 WB. BL. SEE SHEET 10

MATCHLINE STA. 1502+00 EB. BL. SEE SHEET 10

MATCHLINE STA. 2515+50 WB. BL. SEE SHEET 12

MATCHLINE STA. 1516+00 EB. BL. SEE SHEET 12

VIRGINIA BAUER KEATING AND PATRICK KEATING, JR.
 D.B. 1632, PG. 458
 No Recorded Acreage

JAVIER MARIN AND MARISOL CONSUELO MARIN
 D.B. 2667, PG. 339
 P.B. 62, PG. 36
 No Recorded Acreage

W. A. E. AMSTUTZ AND KAREN K. AMSTUTZ
 D.B. 1895, PG. 1673
 P.B. 62, PG. 36
 No Recorded Acreage

GARY C. CRUMP AND DELPHINE T. CRUMP
 D.B. 2691, PG. 2016
 P.B. 62, PG. 36
 No Recorded Acreage

JOHN E. SATTERWHITE, JR. AND LYNN F. GILLESPIE
 D.B. 2851, PG. 2018
 P.B. 62, PG. 36
 No Recorded Acreage

CLAUDIA K. LEONARD AND JOHN L. LEONARD, III
 D.B. 1709, PG. 609
 P.B. 62, PG. 36
 44,707.35 SQ. FT.

PROJECT MANAGER Shirley Contracting Company, LLC
 SURVEYED BY, DATE _____
 DESIGN BY Dewberry
 SUBSURFACE UTILITY BY, DATE _____



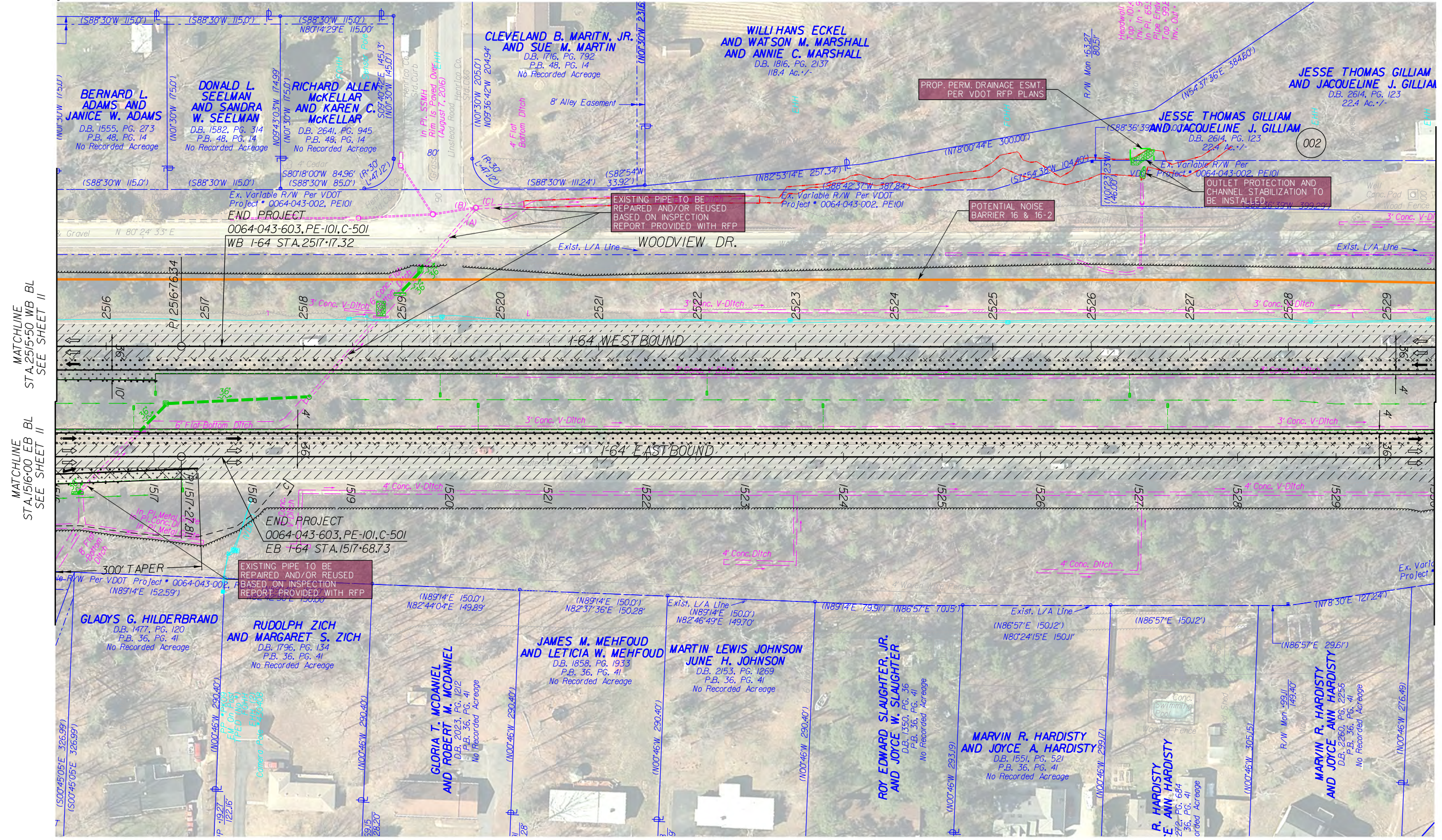
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	64	0064-965-264, P-101, R-201, C-501	12

LEGEND

- Denotes Proposed Full Depth Pavement
- Denotes Proposed Full Depth Shoulder
- Denotes Proposed Mill & Overlay
- Denotes Demolition of Existing Pavement
- Denotes Limits of Clearing
- Denotes Existing Travel Lane
- Denotes Proposed Travel Lane
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

SCALE 0 50' 100'

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



MATCHLINE STA. 2515+50 WB BL SEE SHEET 11

MATCHLINE STA. 1516+00 EB BL SEE SHEET 11

MATCHLINE STA. 2529+50 WB BL SEE SHEET 13

MATCHLINE STA. 1530+00 EB BL SEE SHEET 13

PROJECT MANAGER Shirley Contracting Company, LLC
 SURVEYED BY, DATE _____
 DESIGN BY Dewberry
 SUBSURFACE UTILITY BY, DATE _____



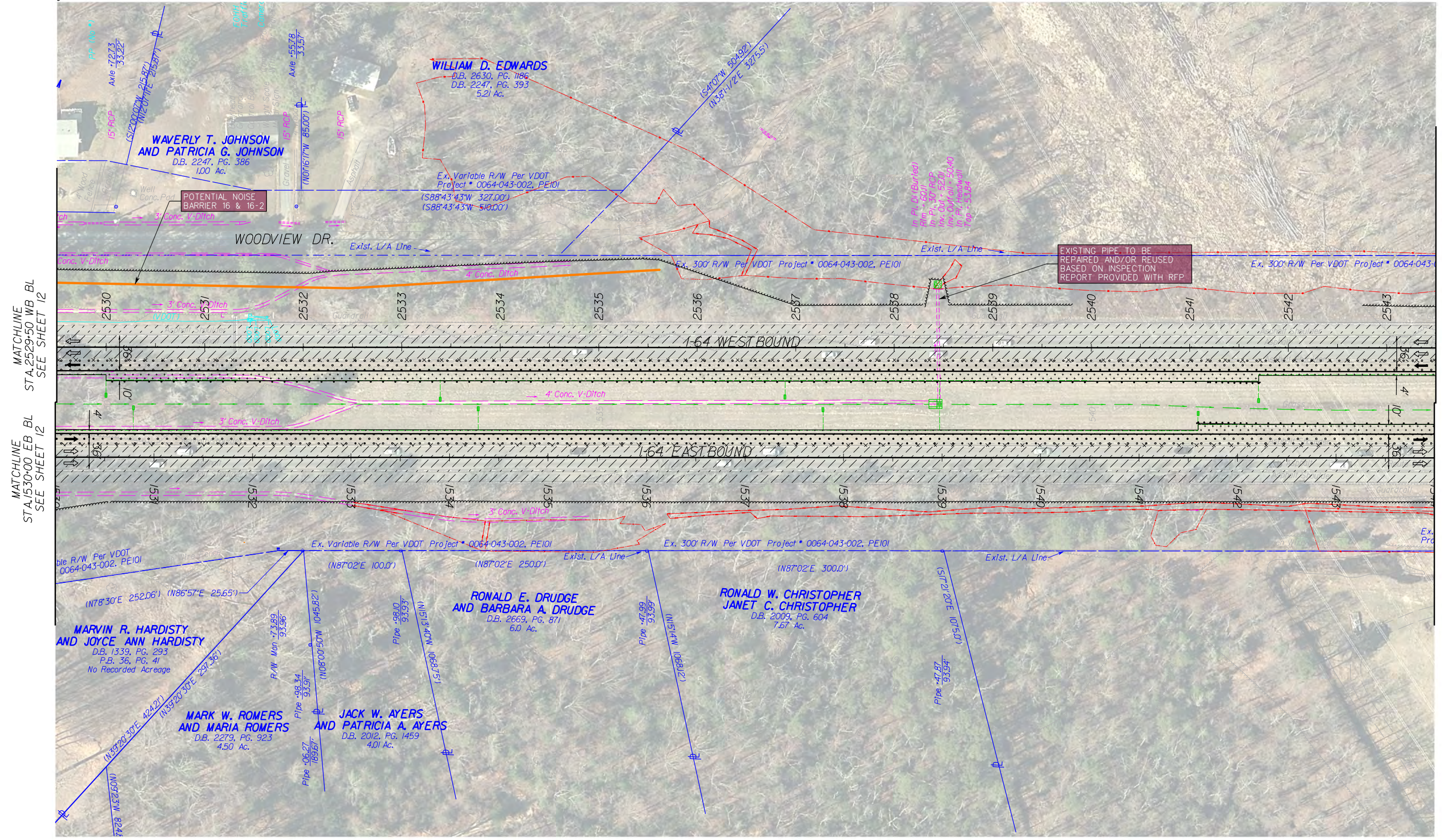
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	64	0064-965-264, P-101, R-201, C-501	13

LEGEND

- Denotes Proposed Full Depth Pavement
- Denotes Proposed Full Depth Shoulder
- Denotes Proposed Mill & Overlay
- Denotes Demolition of Existing Pavement
- Denotes Limits of Clearing
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- Denotes Proposed Travel Lane
- Denotes Construction Limits in Cuts
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DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

SCALE 0 50' 100'



MATCHLINE STA. 2529+50 WB BL SEE SHEET 12

MATCHLINE STA. 2543+50 WB BL SEE SHEET 14

MATCHLINE STA. 1530+00 EB BL SEE SHEET 12

MATCHLINE STA. 1544+00 EB BL SEE SHEET 14

PROJECT	SHEET NO.
0064-043-602	13

PROJECT MANAGER Shirley Contracting Company, LLC
 SURVEYED BY, DATE _____
 DESIGN BY Dewberry
 SUBSURFACE UTILITY BY, DATE _____



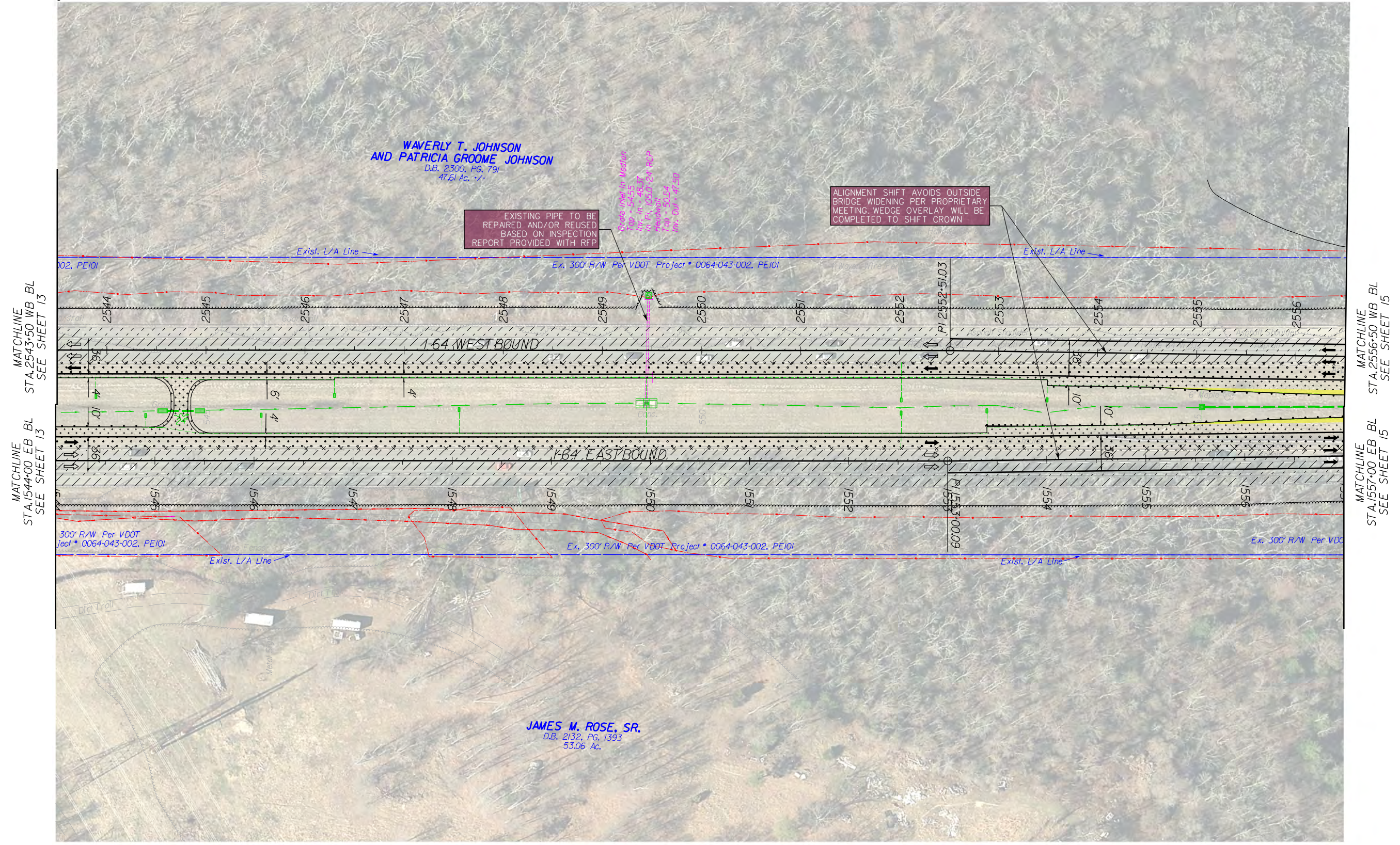
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	64	0064-965-264, P-101, R-201, C-501	14

LEGEND

- Denotes Proposed Full Depth Pavement
- Denotes Proposed Full Depth Shoulder
- Denotes Proposed Mill & Overlay
- Denotes Demolition of Existing Pavement
- Denotes Limits of Clearing
- Denotes Existing Travel Lane
- Denotes Proposed Travel Lane
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

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

SCALE
 0 50' 100'



JAMES M. ROSE, SR.
 D.B. 2132, Pg. 1393
 53.06 Ac.

PROJECT MANAGER Shirley Contracting Company, LLC
 SURVEYED BY, DATE _____
 DESIGN BY Dewberry
 SUBSURFACE UTILITY BY, DATE _____



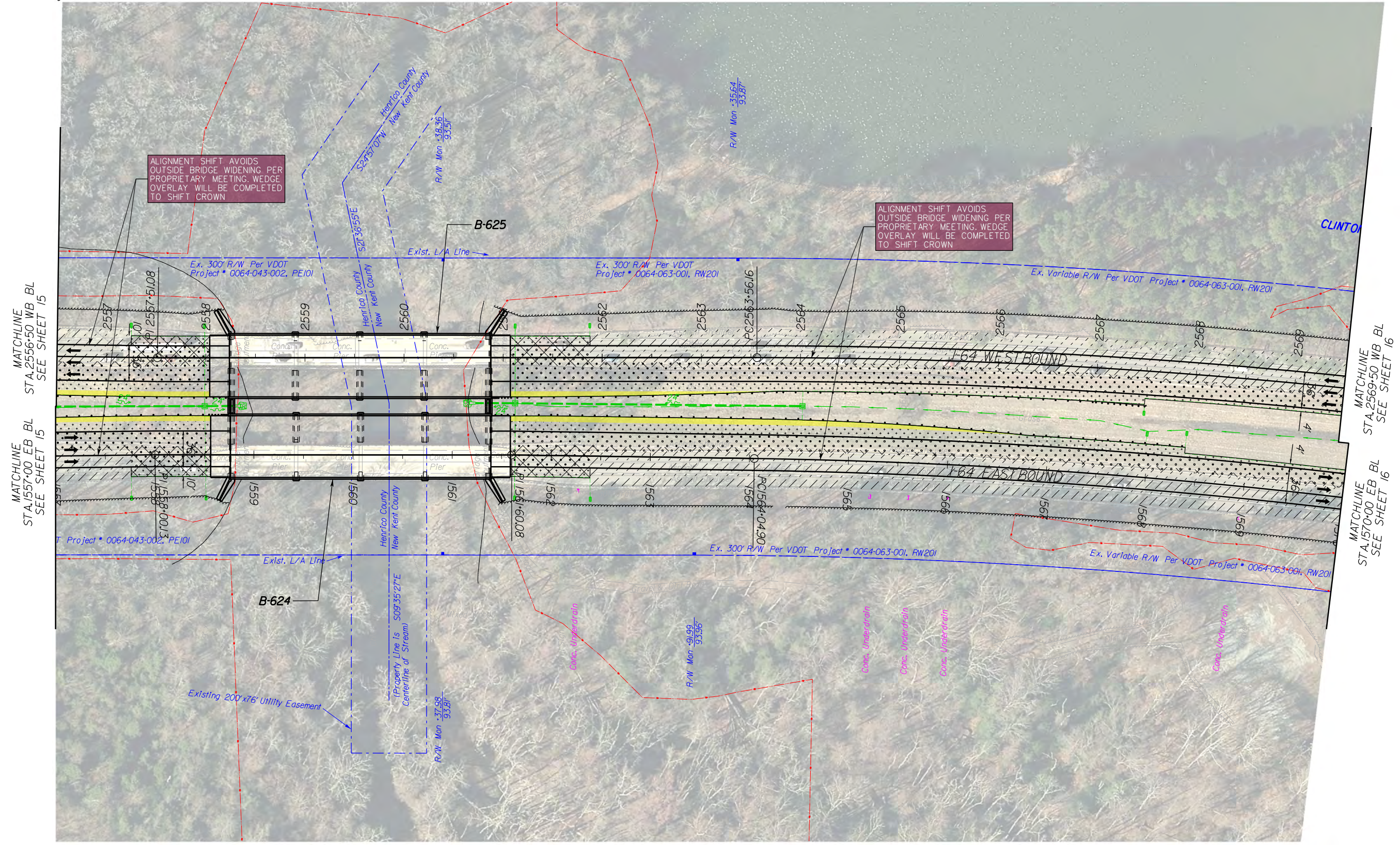
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	64	0064-965-264, P-101, R-201, C-501	15

LEGEND

- Denotes Proposed Full Depth Pavement
- Denotes Proposed Full Depth Shoulder
- Denotes Proposed Mill & Overlay
- Denotes Demolition of Existing Pavement
- Denotes Limits of Clearing
- Denotes Existing Travel Lane
- Denotes Proposed Travel Lane
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- Denotes Construction Limits in Fills

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

SCALE
 0 50' 100'



MATCHLINE STA. 1557+00 EB BL SEE SHEET 15

MATCHLINE STA. 2556+50 WB BL SEE SHEET 15

MATCHLINE STA. 1570+00 EB BL SEE SHEET 16

MATCHLINE STA. 2569+50 WB BL SEE SHEET 16

PROJECT MANAGER Shirley Contracting Company, LLC
 SURVEYED BY, DATE _____
 DESIGN BY Dewberry
 SUBSURFACE UTILITY BY, DATE _____

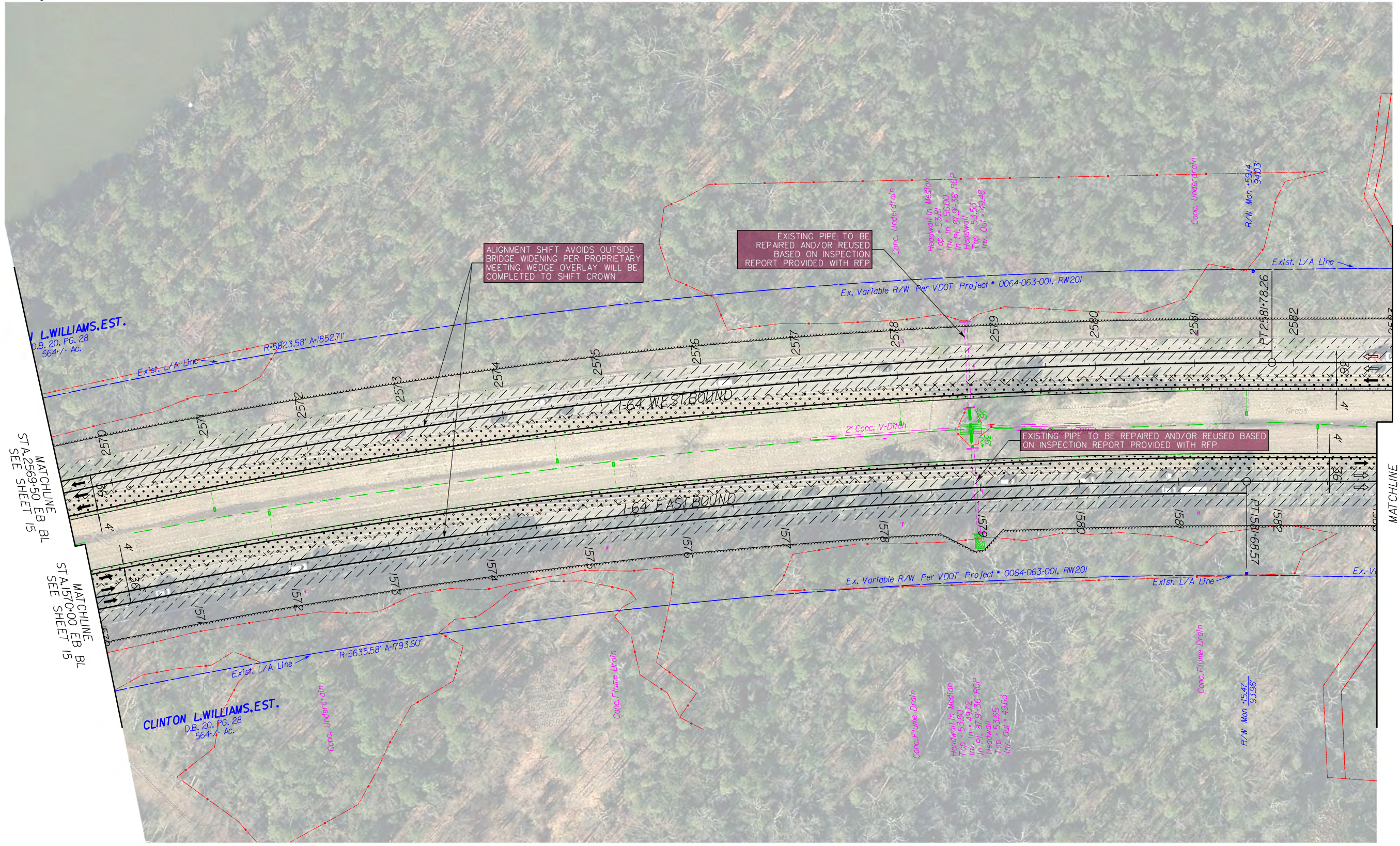


REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	64	0064-965-264, P-101, R-201, C-501	16

- LEGEND**
- Denotes Proposed Full Depth Pavement
 - Denotes Proposed Full Depth Shoulder
 - Denotes Limits of Clearing
 - Denotes Construction Limits in Cuts
 - Denotes Proposed Mill & Overlay
 - Denotes Proposed Pavement for Temp. Traffic Control
 - Denotes Existing Travel Lane
 - Denotes Proposed Travel Lane
 - Denotes Demolition of Existing Pavement
 - Denotes Construction Limits in Fills

SCALE
 0 50' 100'

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



MATCHLINE EB BL
 STA. 2569+50
 SEE SHEET 15

MATCHLINE EB BL
 STA. 1570+00
 SEE SHEET 15

MATCHLINE WB BL
 STA. 2583+00
 SEE SHEET 17

MATCHLINE EB BL
 STA. 1583+00
 SEE SHEET 17

PROJECT MANAGER Shirley Contracting Company, LLC
 SURVEYED BY, DATE _____
 DESIGN BY Dewberry
 SUBSURFACE UTILITY BY, DATE _____



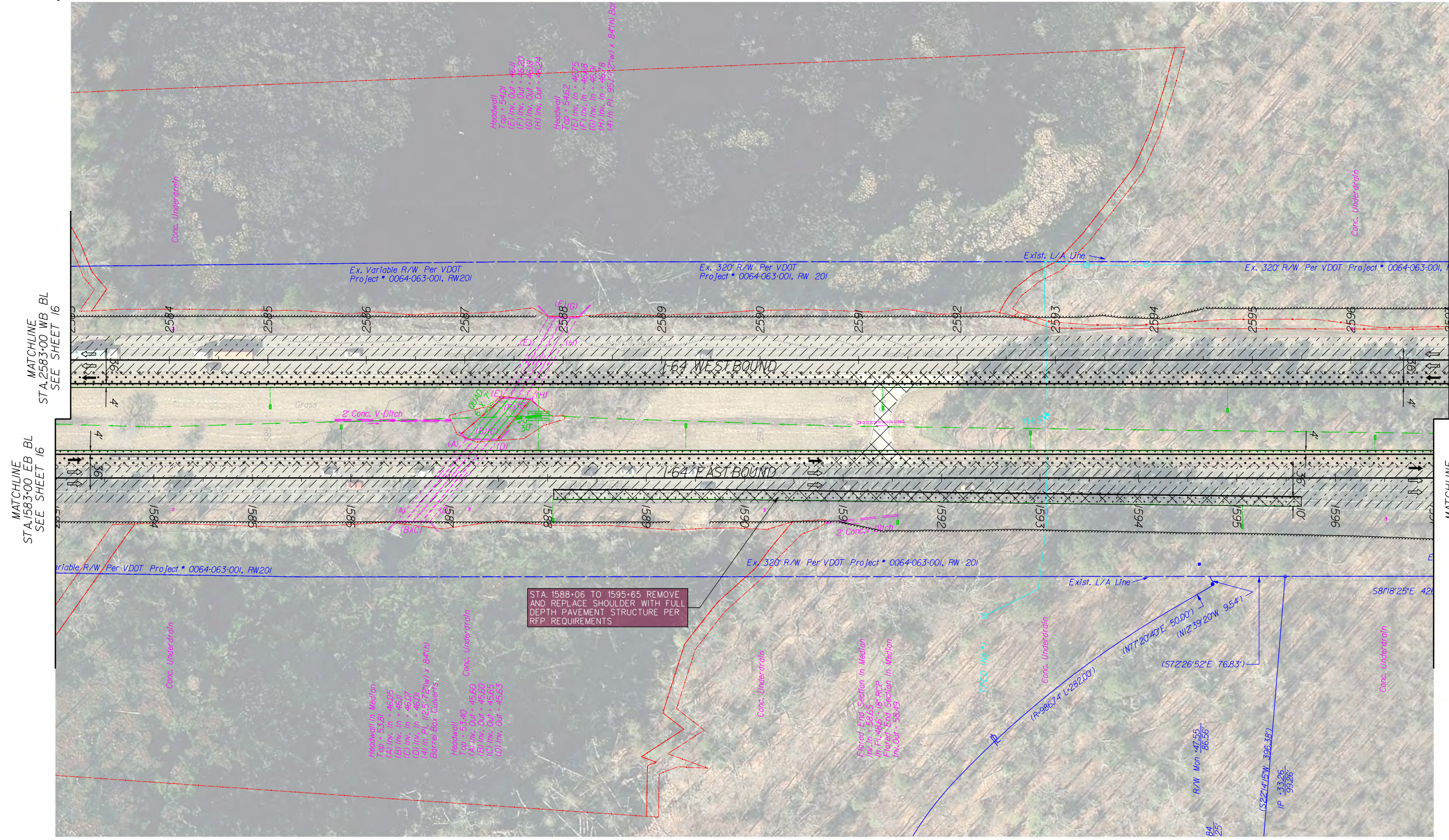
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	64	0064-965-264, P-101, R-201, C-501	17

LEGEND

- Denotes Proposed Full Depth Pavement
- Denotes Proposed Full Depth Shoulder
- Denotes Proposed Mill & Overlay
- Denotes Demolition of Existing Pavement
- Denotes Limits of Clearing
- Denotes Existing Travel Lane
- Denotes Proposed Travel Lane
- Denotes Construction Limits in Cuts
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SCALE
 0 50' 100'



STA. 1588+06 TO 1595+65 REMOVE AND REPLACE SHOULDER WITH FULL DEPTH PAVEMENT STRUCTURE PER RFP REQUIREMENTS

PROJECT MANAGER Shirley Contracting Company, LLC
 SURVEYED BY, DATE _____
 DESIGN BY Dewberry
 SUBSURFACE UTILITY BY, DATE _____



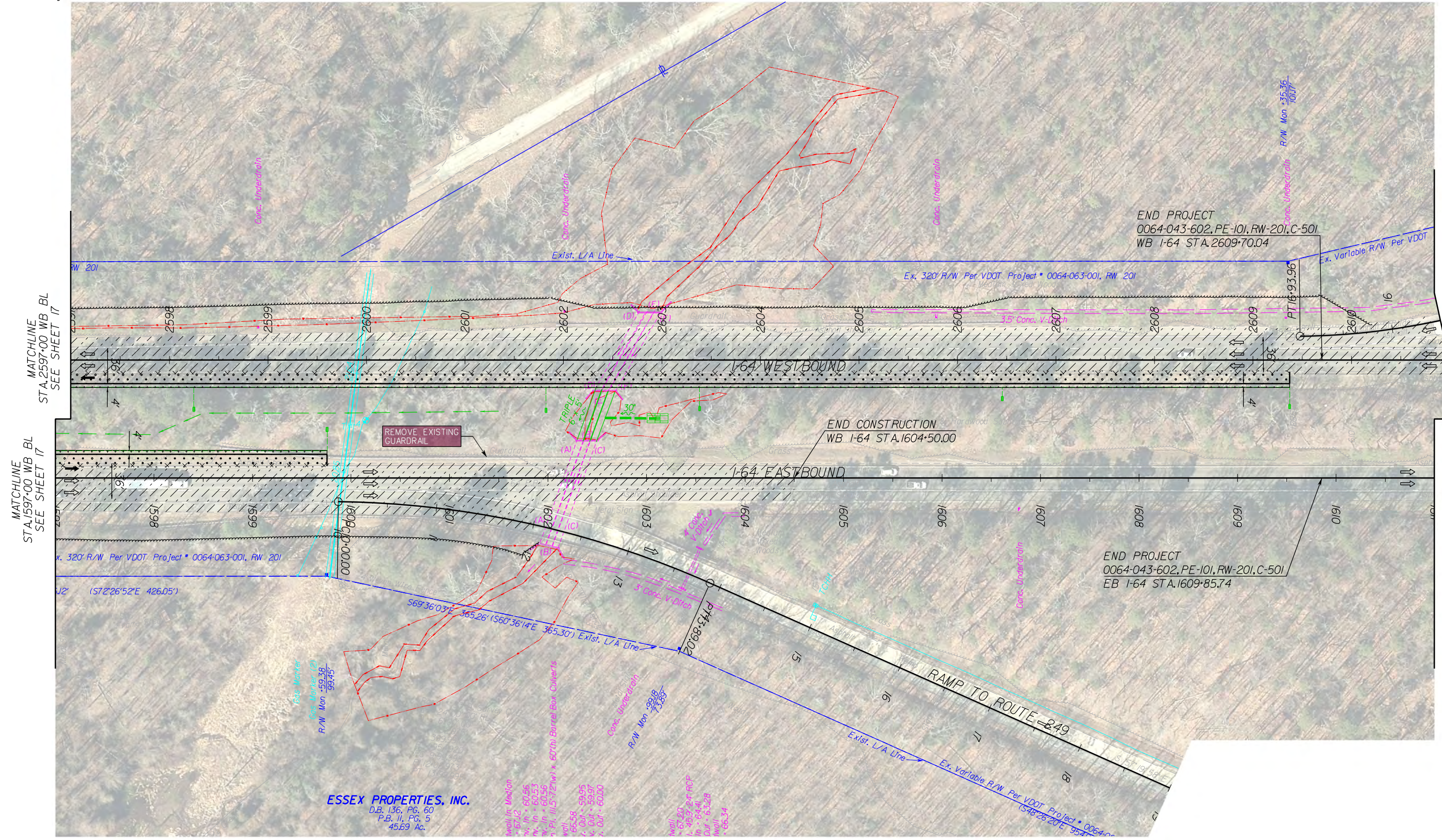
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	64	0064-965-264, P-101, R-201, C-501	18

LEGEND

- Denotes Proposed Full Depth Pavement
- Denotes Proposed Full Depth Shoulder
- Denotes Proposed Mill & Overlay
- Denotes Demolition of Existing Pavement
- Denotes Limits of Clearing
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SCALE 0 50' 100'



PROJECT	SHEET NO.
0064-043-602	18

PROJECT MANAGER Shirley Contracting Company, LLC
 SURVEYED BY, DATE _____
 DESIGN BY Dewberry
 SUBSURFACE UTILITY BY, DATE _____

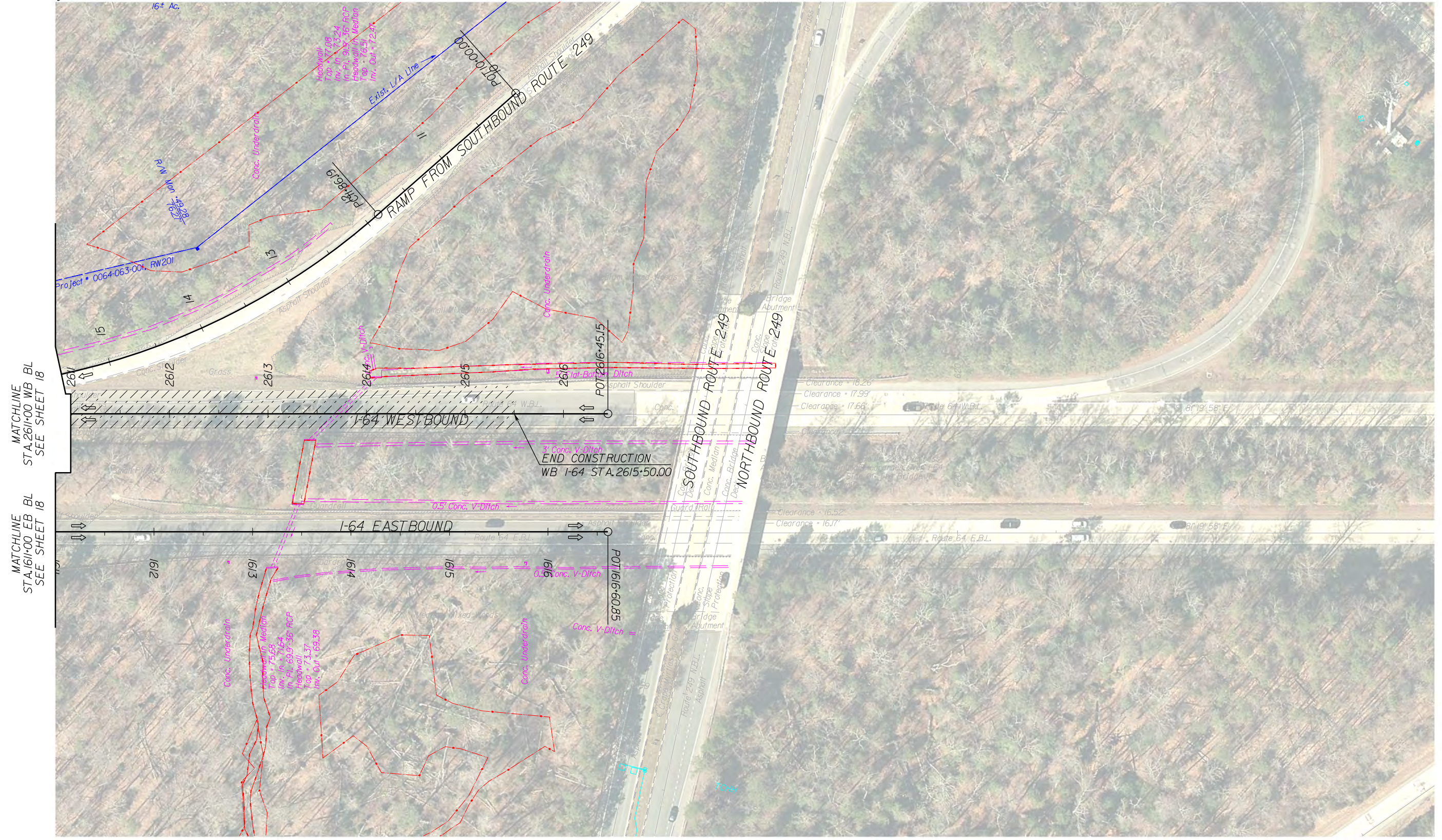


REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	64	0064-965-264, P-101, R-201, C-501	19

- LEGEND**
- Denotes Proposed Full Depth Pavement
 - Denotes Proposed Full Depth Shoulder
 - Denotes Limits of Clearing
 - Denotes Construction Limits in Cuts
 - Denotes Proposed Mill & Overlay
 - Denotes Proposed Pavement for Temp. Traffic Control
 - Denotes Existing Travel Lane
 - Denotes Construction Limits in Fills
 - Denotes Demolition of Existing Pavement
 - Denotes Proposed Travel Lane

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

SCALE
 0 50' 100'



PROJECT	SHEET NO.
0064-043-602	19

STATE	FEDERAL AID		STATE		SHEET NO.
	ROUTE	PROJECT	ROUTE	PROJECT	
VA.	—	NHPP-064-3(499)	64	0064-043-602, B625, B624	I
NBIS Number:		00000000XXXXX	UPC No. 107458		
Federal Oversight Code:		F0	FHWA Construction and Scour Code:		

DESIGN EXCEPTION(S):

GENERAL NOTES:

The original approved sheet, including original signatures, is filed in the VDOT Central Office. Any misuse of electronic files, including scanned signatures is illegal. Violators will be prosecuted to the full extent of the applicable laws.

Width: WBL and EBL 62'-4" face-to-face of curb.

Span layout: WBL and EBL 66'-5" - 65'-0" - 65'-0" - 66'-5"

Capacity: HL-93 loading.

Drainage area: 171 sq. mi.

Specifications:

Construction: Virginia Department of Transportation Road and Bridge Specifications, 2016.

Design: AASHTO LRFD Bridge Design Specifications, 7th Edition, 2014; and VDOT Modifications.

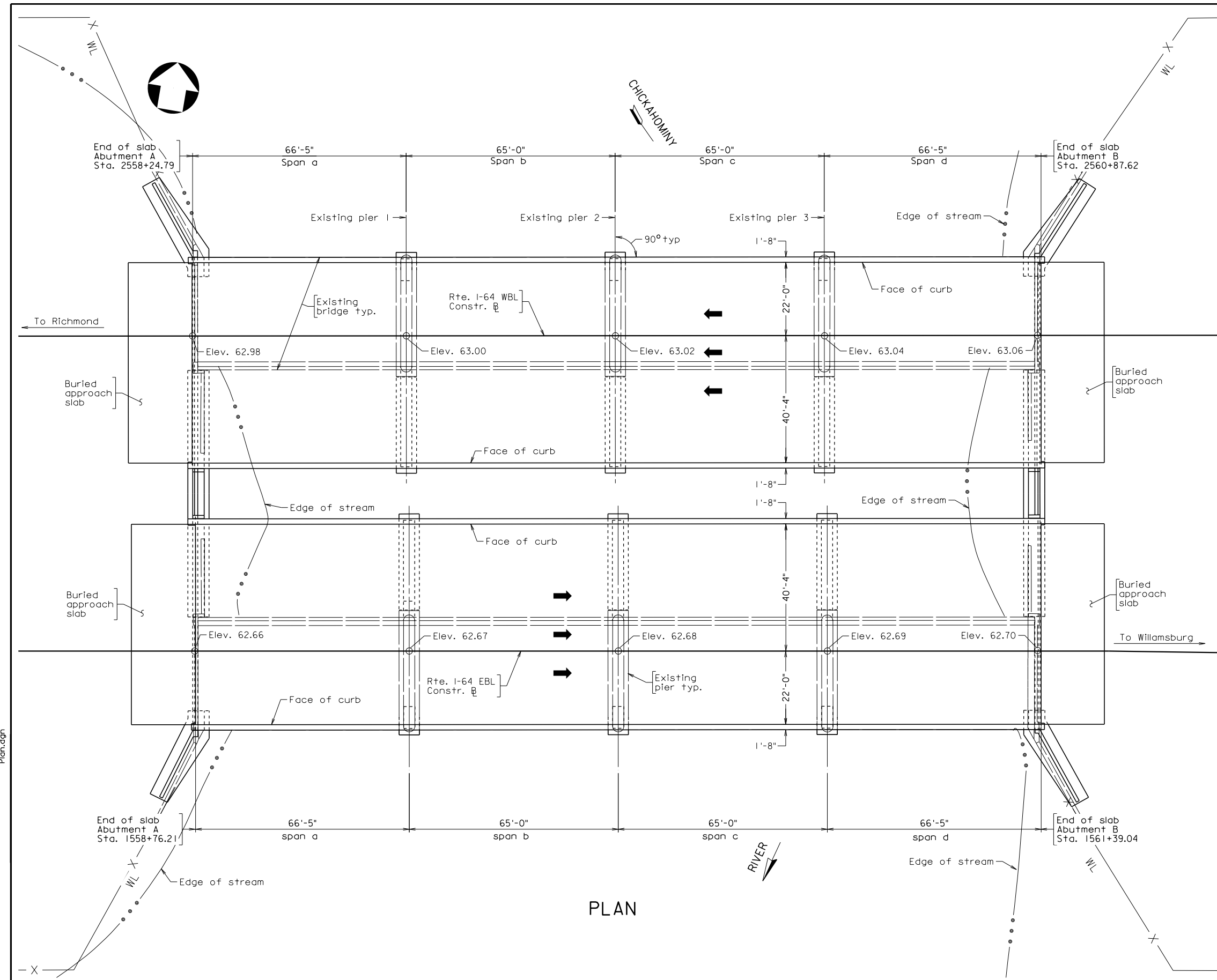
Standards: Virginia Department of Transportation Road and Bridge Standards, 2008; including all current revisions.

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

Bridge No. of existing bridge WBL is 2901 and EBL is 2900. Plan No. for WBL and EBL is 166-21.



COMMONWEALTH OF VIRGINIA
 DEPARTMENT OF TRANSPORTATION
 PROPOSED BRIDGE WIDENING ON
 RTE. 64 OVER CHICKAHOMINY RIVER
 HENRICO AND NEW KENT COUNTIES
 PROJ. 0064-043-602, B624, B625



Plan.dgn

PRELIMINARY PLANS
 THESE PLANS NOT TO BE USED
 FOR CONSTRUCTION

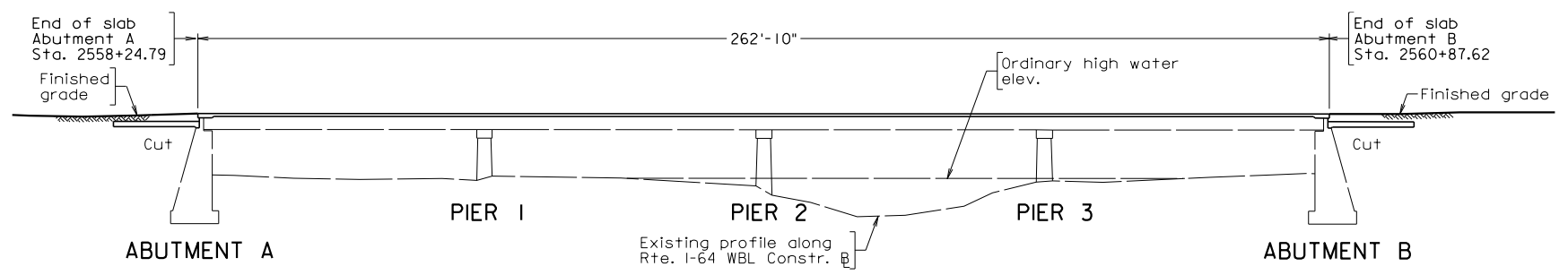
Scale: 1/16" = 1'-0"

Recommended for Approval: _____ Date _____
 State Structure and Bridge Engineer

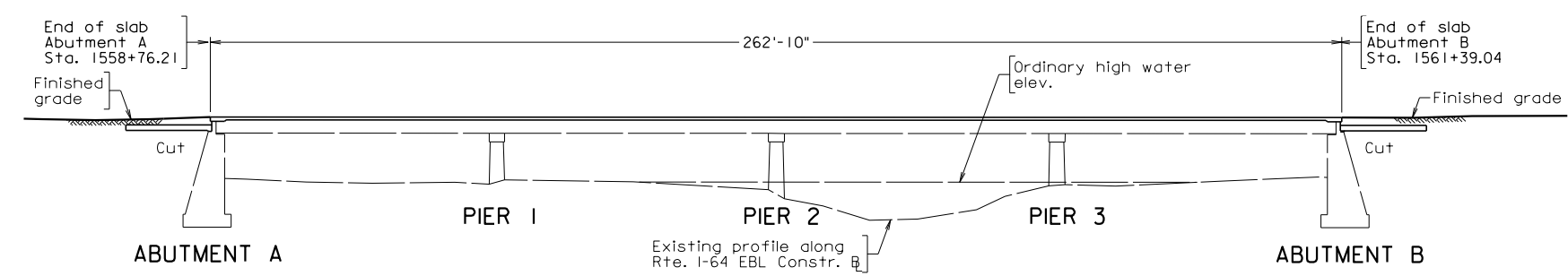
Approved: _____ Date _____
 Chief Engineer

STATE	FEDERAL AID		STATE		SHEET
ROUTE	PROJECT		ROUTE	PROJECT	NO.
VA.			64	0064-043-602, B625, B624	2

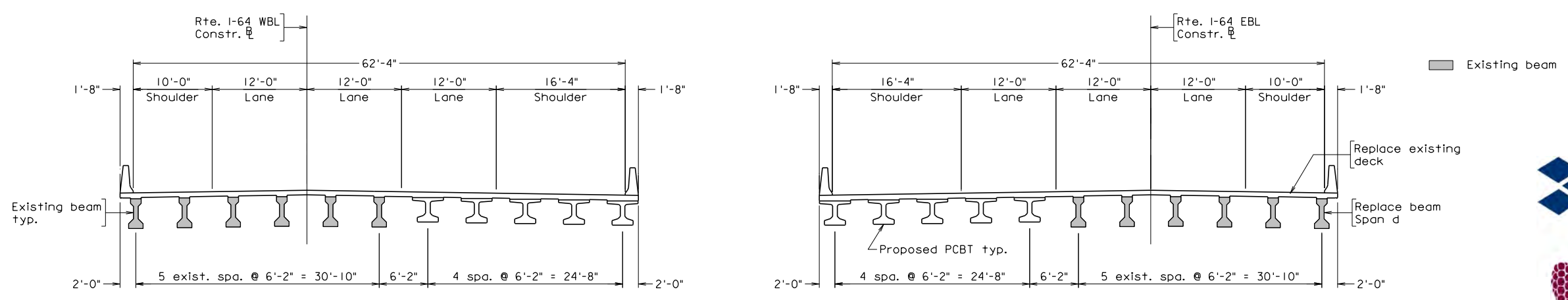
- Notes:
- All superstructure repairs required by RFP and RFP information package to be performed.
 - Joint closures at piers required by RFP to be performed.



DEVELOPED SECTION ALONG RTE. I-64 WBL CONSTR. B



DEVELOPED SECTION ALONG RTE. I-64 EBL CONSTR. B



TRANSVERSE SECTION
Scale: 1/8" = 1'-0"



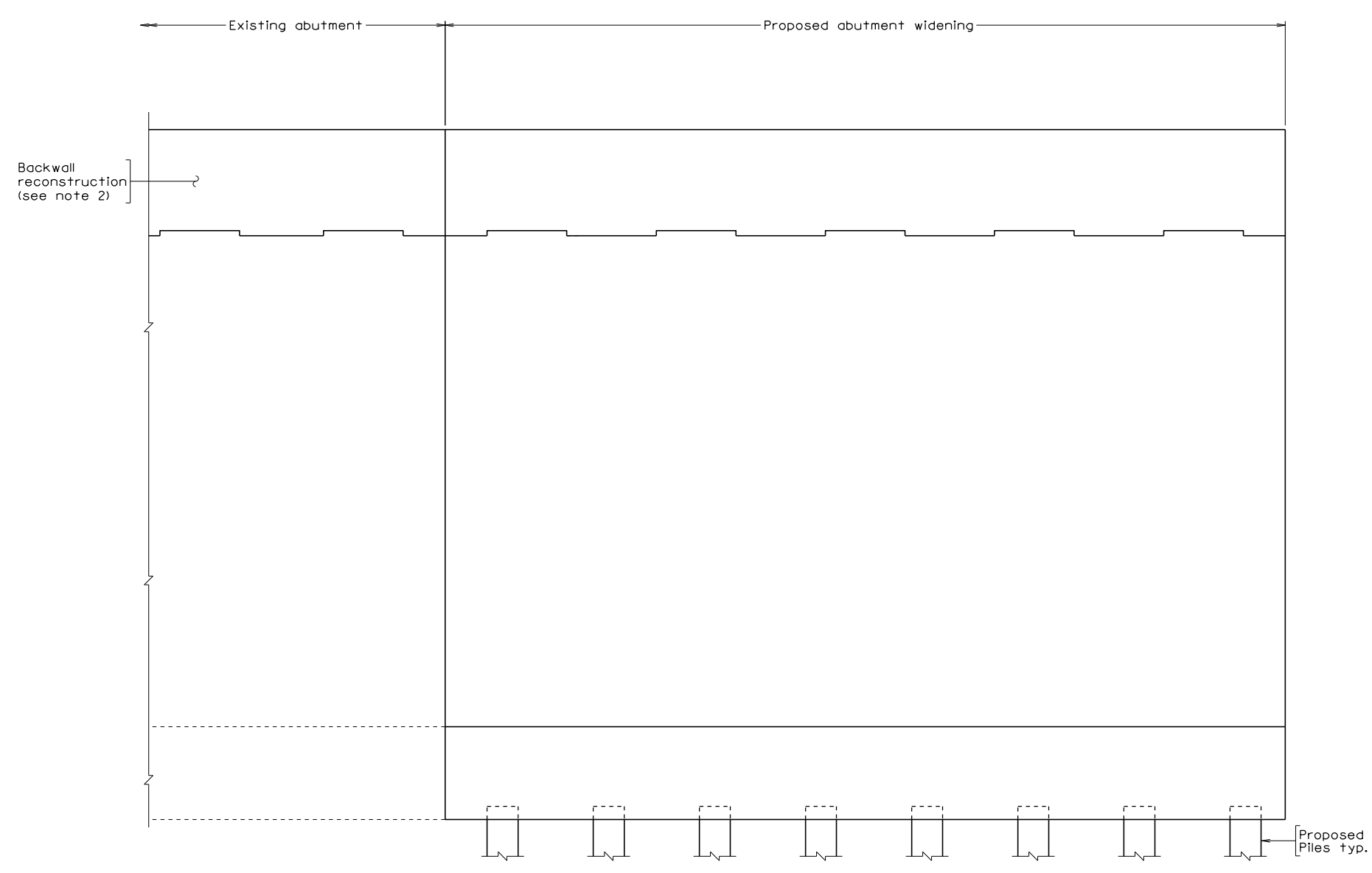
PRELIMINARY PLANS
THESE PLANS NOT TO BE USED FOR CONSTRUCTION

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION					
STRUCTURE AND BRIDGE DIVISION					
DEVELOPED SECTIONS AND TRANSVERSE SECTION					
No.	Description	Date	Designed: JPD	Date	Plan No.
			Drawn: JPD	June 2017	2
			Checked: MC		
Revisions					

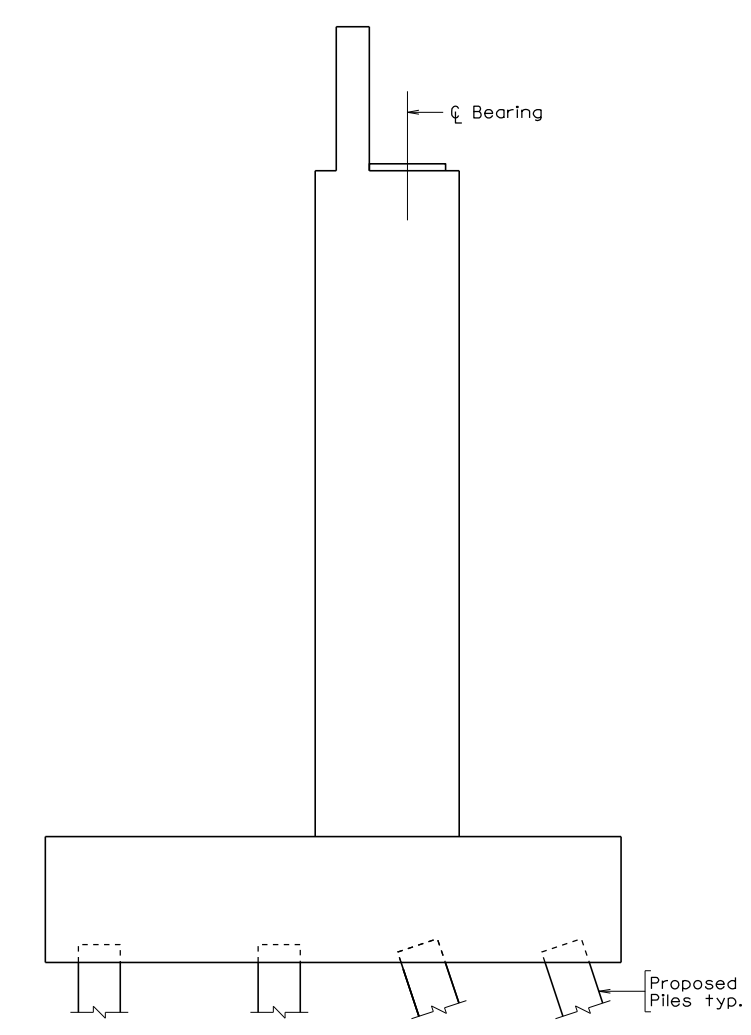
Developed Sections and Transverse Section.dgn

STATE	FEDERAL AID		STATE		SHEET NO.
ROUTE	PROJECT		ROUTE	PROJECT	
VA.			64	0064-043-602, B625, B624	3

- Notes:
1. All abutment repairs required by RFP and detailed in RFP information package to be performed.
 2. Existing abutment backwall will be modified to accommodate deck slab extension and buried approach slab.



ABUTMENT ELEVATION



PROPOSED ABUTMENT SECTION

Abutment Elevation and Section.dgn



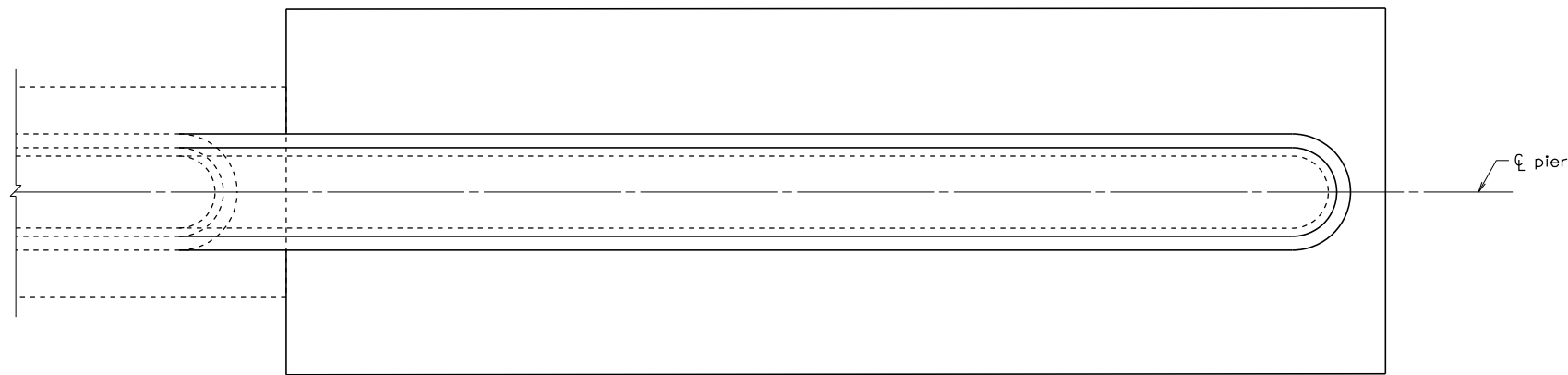
PRELIMINARY PLANS
 THESE PLANS NOT TO BE USED FOR CONSTRUCTION

Scale: 3/8" = 1'-0"

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COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION			
STRUCTURE AND BRIDGE DIVISION			
ABUTMENT ELEVATION AND SECTION			
No.	Description	Date	Designed: JPD
			Drawn: JPD
			Checked: MC
Revisions		Date	Plan No.
		June 2017	3

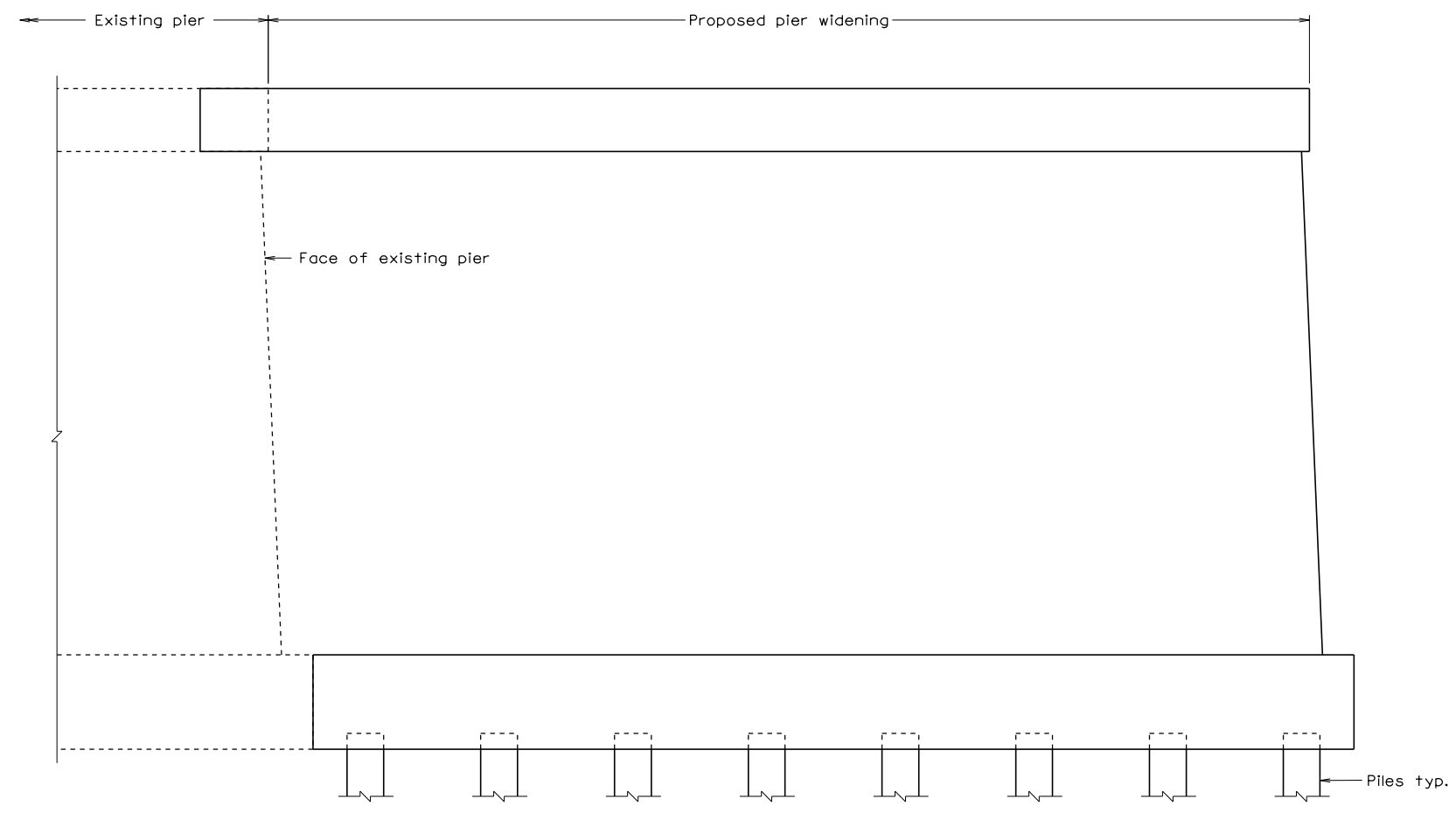
STATE	FEDERAL AID		STATE		SHEET NO.
ROUTE	PROJECT		ROUTE	PROJECT	
VA.			64	0064-043-602, B625, B624	4



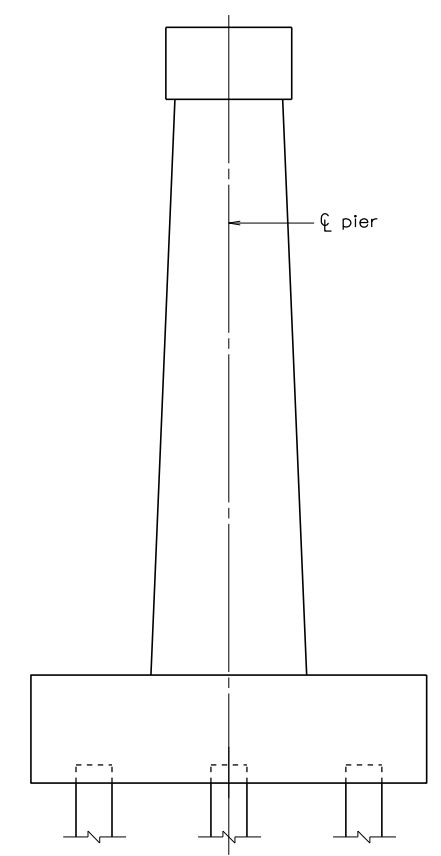
PLAN
(WBL shown, EBL similar opposite hand)

Notes:

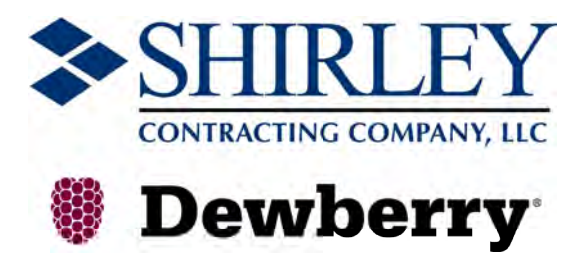
1. All pier repairs required by RFP and RFP information package to be performed.
2. Existing pier to be analyzed for deck joint closure as required by RFP.



ELEVATION
(WBL shown, EBL similar opposite hand)



END VIEW



Pier Plan Elevation and End View.dgn

PRELIMINARY PLANS
THESE PLANS NOT TO BE USED FOR CONSTRUCTION

Scale: 3/8" = 1'-0"

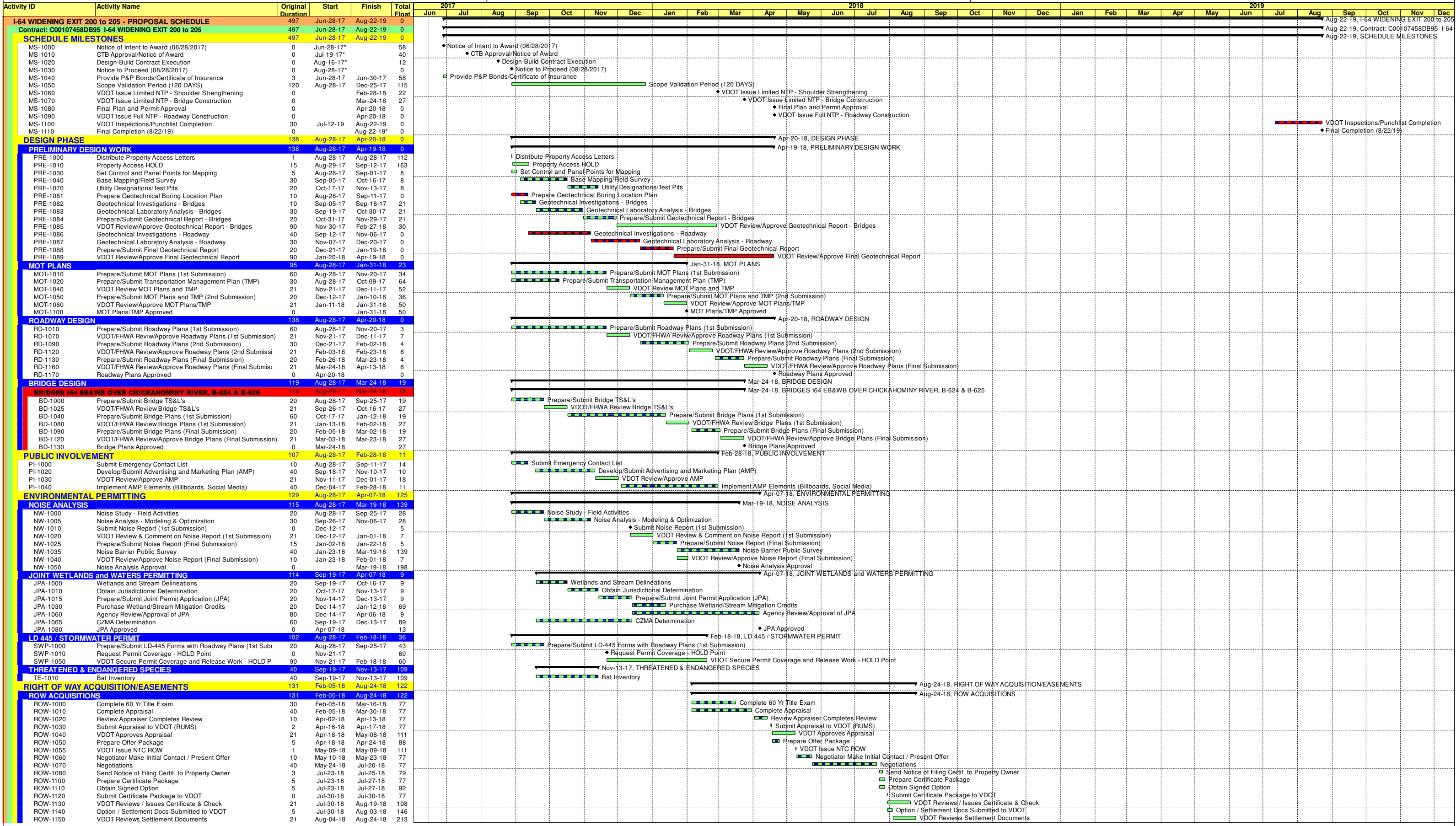
© 2017, Commonwealth of Virginia

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION					
STRUCTURE AND BRIDGE DIVISION					
PIER PLAN, ELEVATION AND END VIEW					
No.	Description	Date	Designed: JPP	Date	Plan No.
			Drawn: JPP	June 2017	4
			Checked: MC		
Revisions					



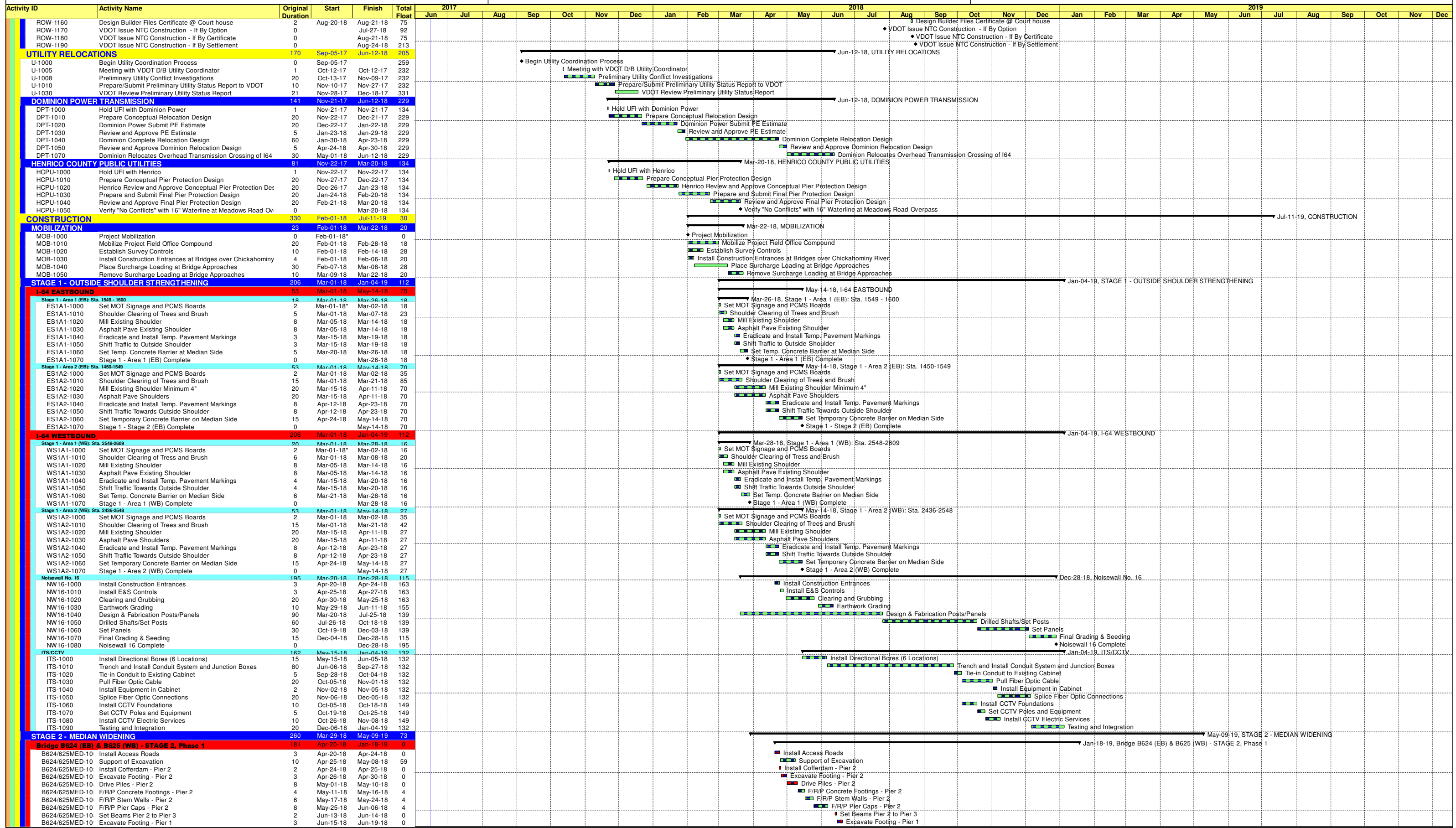
4.2.4.1 - Proposal Schedule

Contract ID Number: C00107458DB95



Legend:
Remaining Level of Effort (orange bar)
Actual Work (blue bar)
Remaining Work (green bar)
Critical Remaining Work (red bar)
Milestone (diamond)
Summary (arrow)

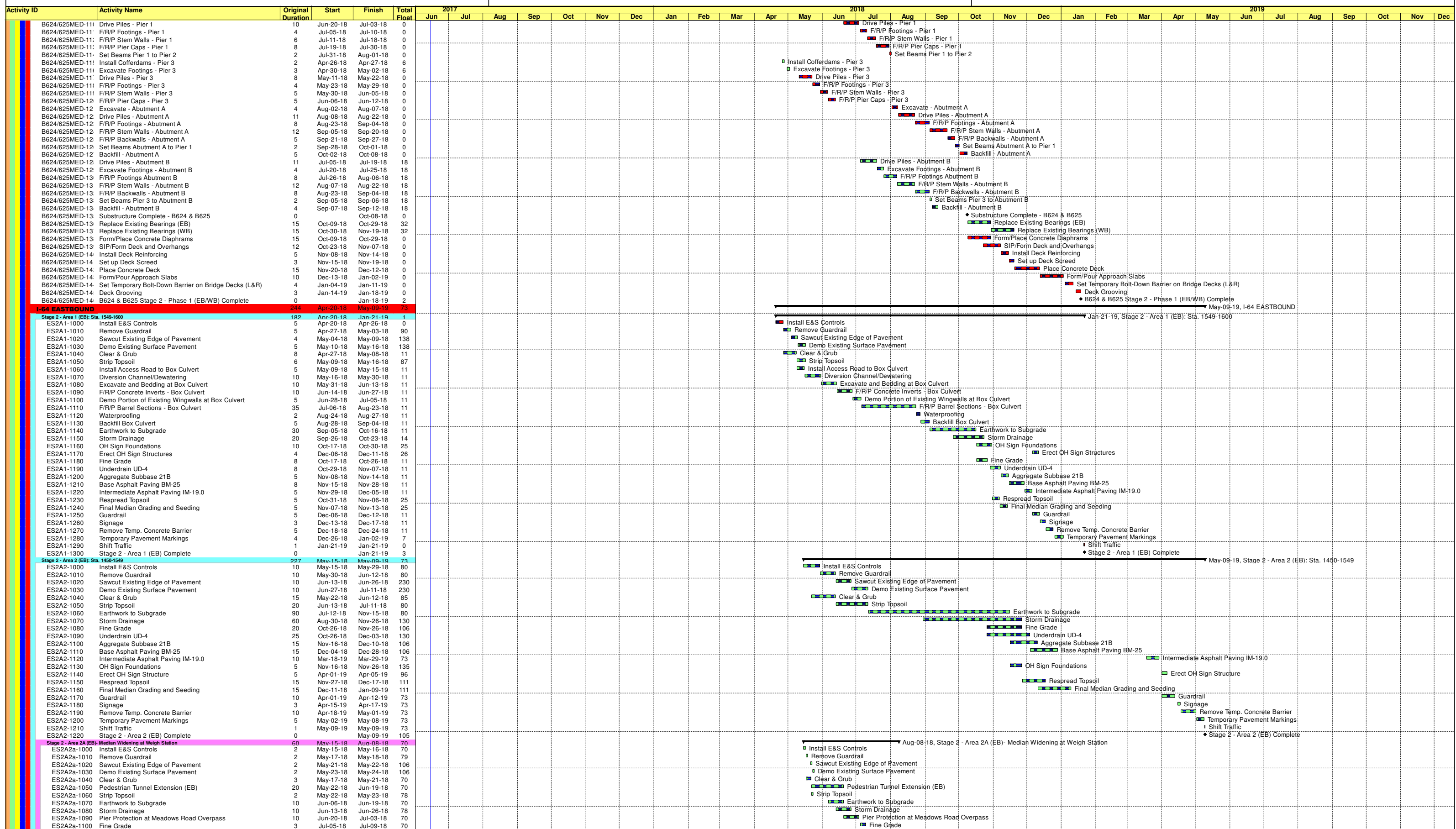
Contract ID Number: C00107458DB95



Remaining Level of Effort Critical Remaining Work
 Actual Work Milestone
 Remaining Work Summary

TASK filter: All Activities

Contract ID Number: C00107458DB95



▬ Remaining Level of Effort ▬ Critical Remaining Work
▬ Actual Work ◆ Milestone
▬ Remaining Work ▬ Summary

TASK filter: All Activities

