>>ELECTRONIC

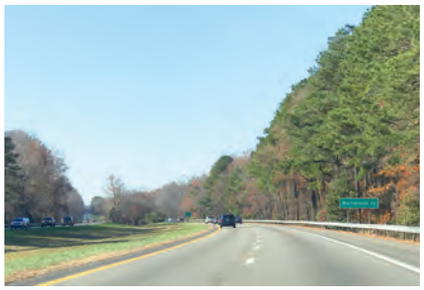
Letter of Submittal and Attachments (Volume I)

I-64 Widening Exit 200 to 205

From Interstate 295 to Exit 205 (Bottom's Bridge)

Henrico and New Kent Counties, Virginia

State Project No.: 0064-043-602
Federal Project No.: NHPP-064-3 (499)
Contract ID Number: C00107458DB95



submitted to:
Virginia Department of Transportation

submitted by:
The Lane Construction Corporation

in association with:
WSP USA Inc.

EXIT 200
64
WEST
Richmond
295
60
Washington
Rocky Mt NC

June 20, 2017

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

RE: I-64 Widening Exit 200 to 205 From Interstate 295 to Exit 205 (Bottoms Bridge) Henrico and New Kent Counties, Virginia
State Project No.: 0064-043-602
Federal Project No.: NHPP-064-3-(499)
Contract ID Number: C00107458DB95

Dear Mr. Clarke,

The Lane Construction Corporation (LANE) is pleased to offer our Letter of Submittal and Attachments for the above referenced project to the Virginia Department of Transportation (VDOT). Our response contains all information requested in the Request for Proposals (RFP) and subsequent Addenda. LANE is teamed with WSP USA, Inc. as the Lead Designer. The LANE Team has assembled committed personnel, with proven delivery of VDOT's requirements to meet the quality, safety, and schedule demands of this Project.

4.1.1 Identification of Legal Entity Who Will Execute the Contract with VDOT: Mr. Ali Alkouraishi is the authorized representative and Point of Contact for the LANE Team for all matters associated with this project.

The Lane Construction Corporation
14500 Avion Parkway, Suite 200
Chantilly, VA 20151

4.1.2 Offeror's Intent: LANE's intention is to enter into a contract with VDOT for the Project in accordance with the terms of the RFP.

4.1.3 120 Day Declaration: Pursuant to Part 1, Section 8.2, LANE declares that the offer represented by this Proposal will remain in full force and effect for one hundred twenty (120) days after the date of the Letter of Submittal and Attachments are submitted to VDOT.

4.1.4 Identification of the Point of Contact: **Mr. Ali Alkouraishi** is the Authorized Representative and Point of Contact for the LANE Team.

The Lane Construction Corporation, Pursuits Manager
Ali Alkouraishi
14500 Avion Parkway, Suite 200
Chantilly, VA 20151
Tel: (703) 222-5670 Fax: (703) 222-5960
Email: AAlkouraishi@laneconstruct.com

4.1.5 Offeror's Principal Officer Information: **Mr. Richard A. McDonough** is a Principal Officer of The Lane Construction Corporation.

Richard A. McDonough, Senior District Manager
14500 Avion Parkway, Suite 200
Chantilly, VA 20151
Tel: (703) 222-5670 Fax: (703) 222-5960
Email: RAMcdonough@laneconstruct.com

4.1.6 Final Completion Date: In accordance with RFP Section 2.3.1, LANE proposes a final completion date of 08/22/2019.

4.1.7 Executed Proposal Payment Agreement: An executed Proposal Payment Agreement (Attachment 9.3.1) can be found in the Appendix of Volume I.

4.1.8 Certification Regarding Debarment Forms: Certifications for Debarment for both Primary and Lower Tier Covered Transactions have been completed and executed for the Offeror and all subconsultants, subcontractors, and other entities as identified as members of the LANE Team. These can be found in the Appendix of Volume I.

4.1.9 DBE Statement: LANE supports the Disadvantaged Business Enterprise (DBE) program and is committed to meeting the **10%** goal for the design and construction of this Project utilizing Virginia certified DBE companies. LANE will take all necessary steps to ensure that DBE firms have the maximum opportunity to compete for and perform services on this Design-Build contract.

The LANE Team appreciates the opportunity to propose on this critically important project. We look forward to partnering with VDOT to make the I-64 Widening Exit 200 to 205 - project a landmark success for the citizens of Virginia.

Respectfully submitted,

Ali Alkouraishi
Pursuits Manager
The Lane Construction Corporation

Meadow Rd
EMERGENCY
STOPPING
ONLY
UNATTENDED VEHICLES
SUBJECT TO TOWING
AT OWNERS EXPENSE
Williamsbur
Norfolk
Va Beach
OPEN

4.2 | ATTACHMENTS TO THE LETTER OF SUBMITTAL

4.2.1 Confirmation of SOQ Information

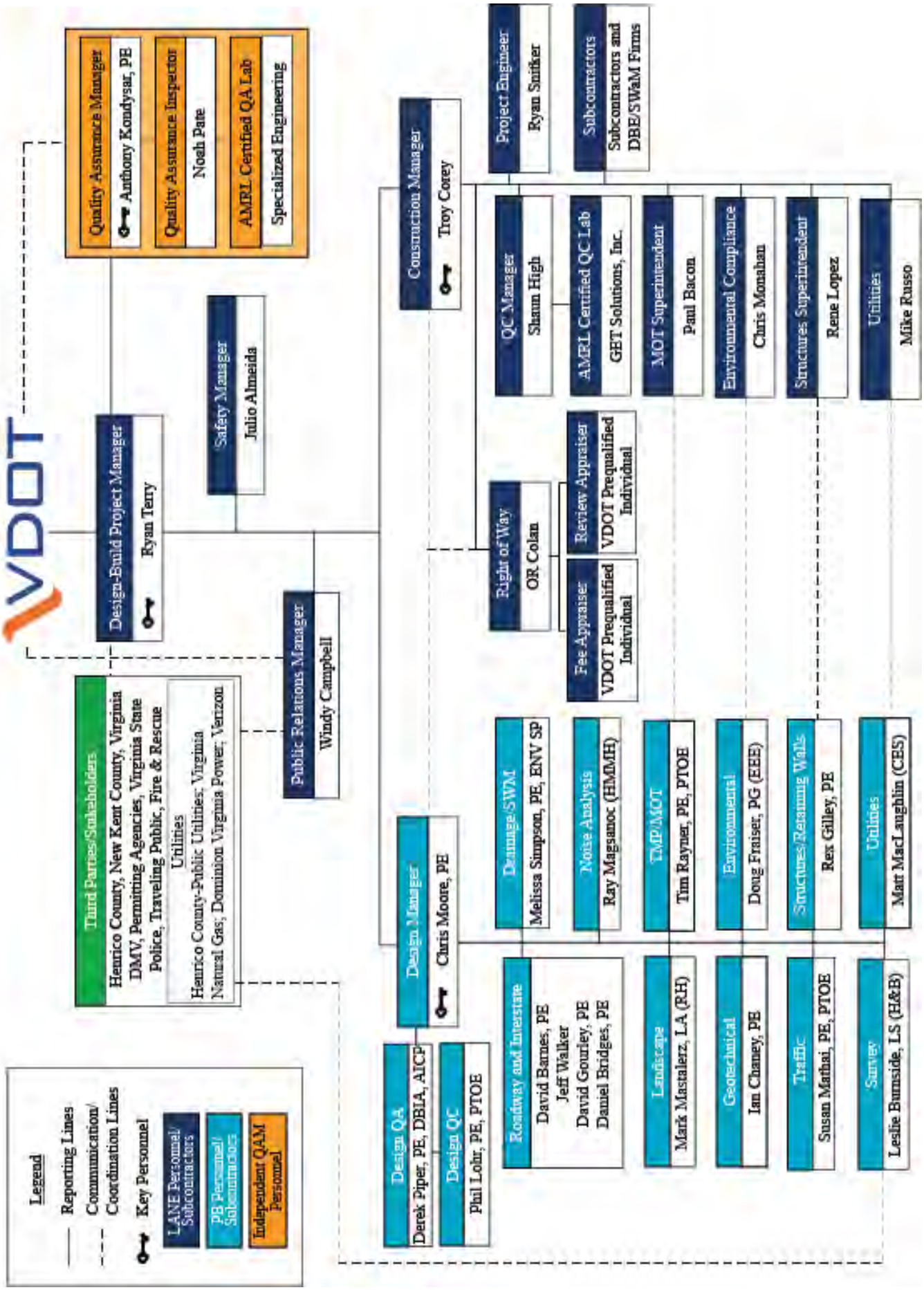
LANE confirms all information presented in the Statement of Qualifications (SOQ) remains true and accurate in accordance with Part 1, Section 11.4. **Please note that the legal name of WSP | Parsons Brinckerhoff, Inc. has been changed to WSP USA, Inc.** As demonstrated in the organizational chart presented on the following page, the Team proposed by LANE, including but not limited to our organizational structure, lead contractor, lead designer, key personnel, and other individuals identified pursuant to Part 1, Section 4.2, will remain intact for the duration of the contract.

Organizational Chart

There are no changes from Section 3.3.2 of the SOQ submitted to VDOT and dated December 15, 2016

Under the leadership of our Design-Build Manager, Mr. Ryan Terry, the LANE Team is structured to effectively manage and deliver the design and construction of this project. The LANE Team is organized to provide VDOT with a single-source point of contact, responsible for all design and construction activities. Our team organization has a straightforward chain of command, with individual tasks and functional responsibilities clearly identified. This organizational chart identifies key personnel and major functions to be performed for the successful management, design, and construction of the project. No changes have been made to the Offeror's organizational structure, Lead Contractor, Lead Designer, Key Personnel or other individuals identified in the Offeror's SOQ (dated December 15, 2016). Though reporting relationships are rigid, the lines of communication within the team will remain fluid and flexible to meet the requirements of each individual project task. In order to prevent unnecessary project delays, at times it may be prudent for other members within the LANE Team to communicate directly with their counterparts at VDOT. This will be directed and authorized in advance by Mr. Terry and the VDOT Project Manager.

Likewise, there have been no revisions made to the narrative describing the functional relationships among participants for the organizational chart.


VDOT
Quality Assurance Manager
Anthony Kondysar, PE
Quality Assurance Inspector
Noah Pate
AMRL Certified QA Lab
Specialized Engineering
Design-Build Project Manager
Ryan Terry
Safety Manager
Julio Almeida
Public Relations Manager
Windy Campbell
Third Parties/Stakeholders
Henrico County, New Kent County, Virginia DMV, Permitting Agencies, Virginia State Police, Traveling Public, Fire & Rescue
Utilities
Henrico County-Public Utilities; Virginia Natural Gas; Dominion Virginia Power; Verizon
Construction Manager
Troy Corey
Project Engineer
Ryan Snifker
Subcontractors
Subcontractors and DBE/SWaM Firms
QC Manager
Shaun High
AMRL Certified QC Lab
GHT Solutions, Inc.
MOT Superintendent
Paul Bacon
Environmental Compliance
Chris Monahan
Structures Superintendent
Rene Lopez
Utilities
Mike Russo
Right of Way
OR Colan
Review Appraiser
VDOT Prequalified Individual
Fee Appraiser
VDOT Prequalified Individual
Design Manager
Chris Moore, PE
Drainage/SWM
Melissa Simpson, PE, ENV SP
Noise Analysis
Ray Magsanoc (HMMH)
TMP/MOT
Tim Rayner, PE, PTOE
Environmental
Doug Fraiser, PG (EEE)
Structures/Retaining Walls
Rex Gilley, PE
Utilities
Matt MacLaughlin (CBS)
Design QA
Derek Piper, PE, DBIA, AICP
Design QC
Phil Lohr, PE, PTOE
Roadway and Interstate
David Barnes, PE
Jeff Walker
David Gourley, PE
Daniel Bridges, PE
Landscape
Mark Mastalerz, LA (RH)
Geotechnical
Ian Chaney, PE
Traffic
Susan Mathai, PE, PTOE
Survey
Leslie Burnside, LS (H&B)
Legend
Reporting Lines
Communication/ Coordination Lines
Key Personnel
LANE Personnel/ Subcontractors
PB Personnel/ Subcontractors
Independent QAM Personnel

4.2.2 Conceptual Roadway Plans

The Conceptual Roadway Plans showing the general Project layout are included in Volume II. They include copies of (a) plan view indicating the number of lanes specified in the RFP Information Package, and (b) typical sections of the proposed improvements to I-64. The Conceptual Roadway Plans meet the requirements of the Design Criteria Table (Attachment 2.2 of Part 2) and indicate that the limits of construction are within the existing/proposed right-of- way limits shown in the RFP Conceptual Plans.

4.2.3 Conceptual Bridge Plans

The Conceptual Bridge Plans showing the type, size and location for the proposed widened bridge are included in Volume II (RFP Section 4.2.3). Copies of an elevation view, transverse section, and abutment and pier configurations have been provided. The Conceptual Bridge Plans meet all applicable geometric requirements of VDOT's Structure and Bridge Manual, in Volume V, Part 2.

4.2.4 Proposal Schedule and Narrative

The LANE Team has thoroughly evaluated the RFP documents, performed numerous site visits, attended the pre-proposal meeting, participated in proprietary meeting discussions, and held numerous working sessions amongst our design and construction teams in order to plan the most safe and efficient method for completing this Project. Through this progression, we have developed a solution to deliver the Project as outlined on the schedule. This narrative explains how we will deliver a highly successful Project to VDOT and to the satisfaction of all stakeholders.

4.2.4.1 Proposal Schedule

The Proposal Schedule is located in Volume II.

4.2.4.2 Proposal Schedule Narrative

The LANE Team has developed a Proposal Schedule Narrative for our overall plan to execute the Work. The narrative includes overall sequencing of Project, a description and explanation of the Critical Path, LANE Team's proposed means and methods, and other key assumptions on which the Proposal Schedule is based. The narrative also explains how the LANE Team plans to optimize the benefits of the D-B delivery method to mitigate known risks, conform to the RFP requirements including MOT restrictions, minimize impacts of construction activities on the environment, and deliver the Project safely and on-time.

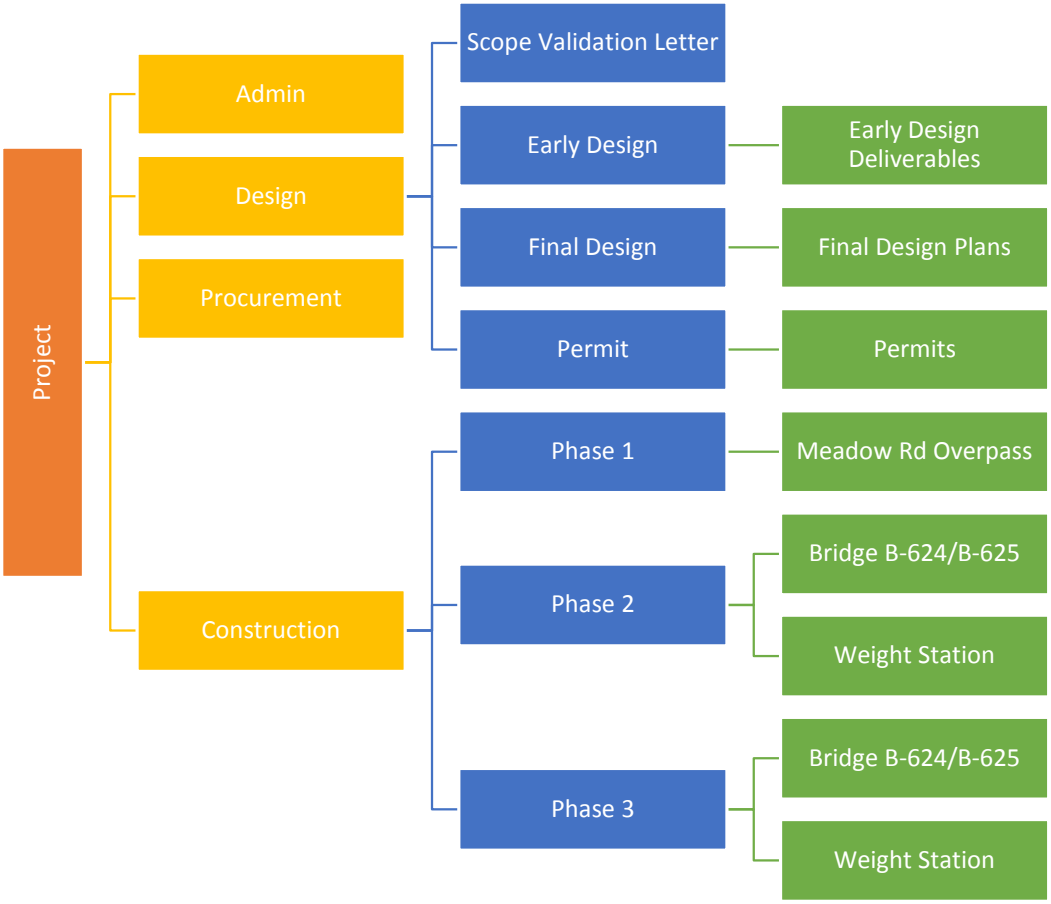
Key Milestone The LANE Team is committed to the Final Completion date of August 22, 2019. The table below identifies Key Milestone dates, which in order to be met, will require coordination not only between the D-B Team, and VDOT but also other reviewing agencies (FHWA, USFWS, etc.). Post award, the LANE Team will implement our assertive D-B approach, local experience, and relationships to potentially improve these dates to meet the Early Completion of May 24, 2019.

Key Milestone	Milestone Date
Proposal Due Date	June 20, 2017
Notice of Intent to Award	June 26, 2017
CTB Approval / Notice to Award	July 19, 2017
Design-Build Contract Execution	August 16, 2017
NTP	August 28, 2017
Scope Validation Period Complete	December 25, 2017
Start of Construction	April 19, 2018
Early Completion / "No Excuse" Incentive	May 24, 2019
Final Completion Date	August 22, 2019

Work Breakdown Structure (WBS)

The WBS is a multi-level, hierarchical arrangement of the work to be performed on the Project. The LANE Team has laid out the WBS to break down the major phases of the Project by Project Element and type of work. The type of work has been broken down by phases, areas and respective components such as Milestones, Project Management, Scope Validation, Environmental/Permitting, ROW, Design, Public Involvement, Utility Relocation, and Construction.

The WBS areas for the Project have been developed as a collaborative effort between the design and construction teams by evaluating the components of the Project as a single Project including type of work along the alignments design considerations, and management of the construction efforts.



Levels 2, 3, and 4 of the WBS as depicted in the Proposal Schedule include but are not limited to the following items for the respective Project components:

- **Administration**: includes the contract milestones, the start and completion milestones of major project components, and monitoring of project durations.
- **Design**: includes the development of all design plans, scope validation, utility, permit, ROW acquisition, QA/QC plans, construction plans, etc.
- **Procurement**: includes the procurement and fabrication of girders and piles for the Project.
- **Construction**: includes the entire construction scope of the Project, which includes but not limited to: MOT, erosion & sediment controls, QA/QC, storm water management, drainage, lighting, ITS, phasing, bridge construction, mill-and-overlay paving, sound barrier wall, and roadway construction.

Calendars

The LANE Team uses five different calendars to represent a variety of work scenarios:

- **"Calendar Days"** – Based on seven days per week and is used for review periods and milestones.
- **"5 Days / Week Holiday"** – Based on five working days per week and includes standard holidays. Used for design activities and work not impacted by adverse weather and holiday restrictions.
- **"5 Days / Week with Weather & Holidays"** – Based on five working days per week, specified holiday restrictions, and anticipated weather days. Used for construction activities.
- **"5 Days / Week Paving"** – Based on the *"5 Days with Weather & Holidays"* with non-working periods from December through February. Used for asphalt paving activities.
- **"5 Days / Week Final Paving"** – Based on the *"5 Days with Weather & Holidays"* with non-working periods from December through April. Used for mill-and-overlay and final asphalt paving activities.

For weather analysis, the LANE Team has reviewed the weather data (January 2012 to December 2016) provided by NOAA observation center at Richmond International Airport, VA. Using on 0.1 inch of participation per day as the threshold for weather impact and taking into consideration of weekends, the LANE Team Schedule accounts the following number of weather days each month:

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Anticipated Weather Days	4	5	5	4	4	6	6	4	4	3	3	5

The LANE Team will observe the New Year, Memorial Day, 4th of July, Labor Day, Thanksgiving and Christmas holidays from 2017 to 2019, and marks these dates as non-work days in the schedule.

Activity Identification

The LANE Team is proposing a smart activity identification system in the Proposal Schedule, in which a unique alphanumeric is utilized. Each activity identification is broken down into five parts: Phase of Work, Work Area, Sub-Location, and Unique Identifier, described in detail below:

As an example is C 000 - 2680

Type of Work	Phasing	Sub-Stage	Unique Identifier
Types of work for the project with the abbreviations	Construction phasing of the Project with the abbreviations:	Stage of construction for Bridge B-624/B-625	The last four digits in the activity identification structure are numeric increments starting with 1000, and incremented in steps of 10. This is done to leave ample room between activities so that additional activities may be inserted as necessary.
A = Administration	000 = Project	A = Stage 1	
D = Design	101, 102, etc… = Phase 1 Area 1, Phase 1 Area 2 etc.	B = Stage 2	
P = Procurement	201, 202, etc… = Phase 2 Area 1, Phase 2 Area 2, etc.	C = Stage 3	
C = Construction			

Plan and Strategy

The LANE Team has developed a comprehensive MOT/phasing plan to complete the Project in a timely manner. This MOT plan constructs the Project in three phases, and incorporates the bridge widening and retrofitting work seamlessly with roadway operations. The Team's key strategy for the design and construction is transparency between LANE and VDOT.

Design

As indicated in the Design section of the Schedule, we have broken down the design into several deliverable packages based upon the design effort put forth during the RFP design phase. The design packages will consist of the following E&S/SWPPP & MOT/SOC; Roadway, Traffic, ITS & Lighting; Bridge and Structures; separate geotechnical reports for Pavement /Earthwork and Structures/Foundations; Hydrologic & Hydraulic Analysis Report. This allows the Team to "fast track" the design review process making each package discipline specific to avoid delays from other discipline reviews. Each package will progress in the following order:

1. Interdisciplinary coordination/VDOT over-the-shoulder review;
2. 90% submittal;
3. VDOT Review;
4. Approved for Construction (AFC) plans;
5. Final VDOT review with minor adjustments based on VDOT comments;
6. Release AFC by VDOT.

A key aspect to this approach is initiating field investigations upon notice to proceed to provide the required windows for geotechnical reports and permits.

Environmental /Permitting

The schedule includes line items for development of SWPPP, JPA, and the VSMP approvals. The beginning of construction is tied to the VPDES and VSMP permits. Again, initiating field investigations and building upon the design work completed during the RFP our Team will work to eliminate impacts and coordinate with approving agencies to mitigate environmental impacts to streamline the approval process.

ROW Acquisition

ROW acquisition will be performed in accordance with state law and VDOT requirements. The initiation of the ROW Acquisition phase is dependent on the Approval of the Acquisition and Relocation Plan and obtaining the Notice to Commence Acquisition from VDOT.

Utility Relocation

The LANE Team developed a utility matrix to evaluate the potential utility conflicts in the Project. Based on the result, the LANE Team has adjusted the design to mitigate the conflicts as much as possible. The Proposal Schedule incorporates utility relocation activities necessary to clear existing utilities from the work areas.

Construction

The LANE Team's phases of construction on which this schedule is based, has been developed to mitigate impacts to the traveling public, delays to construction and ultimately, to facilitate successful completion of the project. Some potential delays include (but not limited to): utility relocation, environmental impacts, and right of way acquisition.

Public Involvement / Public Relations

In developing the schedule and construction sequences, the LANE Team put public safety first and included measures to limit disruptions to vehicular and pedestrian traffic. In collaboration with VDOT, the LANE Team will develop and utilize a paid advertising and marketing plan (AMP) per RFP Part 2 Section 2.12. Following the Notice to Proceed and during the Scope Validation Period, LANE will write the AMP for final review and approval from VDOT. It will guide Public Involvement activity throughout the Project, from start of construction to project completion.

Sequence of Construction

The LANE Team will follow the MOT/phasing plan developed for this Project (refer to the Conceptual Roadway Plans) and will construct the Project in three phases:

- **Phase 1**: Involves the mill-and-overlay the existing roadway and the removal of the existing rumble strip on the outside shoulder on I-64. The scope of work also includes tree clearance on the outside shoulder. Following the tree clearance, the LANE Team will install the proposed ITS conduits and structure foundation located on the outside shoulder of I-64.
- **Phase 2**: Upon completion of roadway work on I-64, traffic will shift towards the outside shoulder and the widening of I-64 in the median will begin. Work in this Phase includes the installation of MOT and temporary barrier wall, partial demolition of the existing roadway, earth work, drainage, subbase, asphalt paving, and other roadway work. The Team will construct the modification of the existing box culvert and pedestrian tunnel work in the median. The new cross-over will also be constructed before removing the existing one.
    - Bridge B624 and B625: Construction of the inside widening of the bridges will be concurrent with the roadway widening. This allows for continuous flow of traffic through the existing bridges. The scope of bridge work includes the partial demolition of the existing bridge deck, installation of SOE, construction of bridge substructure and superstructure, and approach slab. The substructure of the existing bridges will also be repaired.
- **Phase 3**: Completing the Phase 2 roadway and bridge widening work allows the traffic to shift towards the inside lane on the roadway and starts the construction of the proposed sound barriers. At same time, the traffic will shift off the existing bridge deck which allows the remaining work on the existing bridges to be complete. This work includes the removal and replacement of the existing bridge deck, girders, bearing pads, and approach slab. The LANE Team will also install the remaining ITS structure, lighting, and signage, as well as final paving and striping, and mill-and-overlay.
    - Weight Station: The existing acceleration and deceleration lanes for the weight station will be extended. The scope of work includes MOT, demolition of existing roadway, earth work, asphalt paving, guard rail, and lighting.

Critical Path

The design critical path that will allow construction to begin is achieving approval of the environmental permits need for the project include Erosion and Sediment Control (E&S), Virginia Stormwater Management Permit

(VSMP), and the USACE Joint Permit Application (JPA). For this reason, we have divided design activities into separate plan packages and progressed design activities for E&S, SWPPP, and MOT/SOC to secure the necessary permits and advance construction activities. Upon notice to proceed, work will begin to identify the limits of disturbance and wetland impacts, to advance the E&S plans so that the JPA process can begin. The MOT/SOC plans are included with this early submittal so that clearing and grading can begin as soon as the JPA and VSMP permits are approved.

Upon receipt of the JPA and VSMP permit, the Critical Path will switch to the construction phase, which starts with Phase 1 installation E&S and clearing of trees. This is followed by the ITS work on the shoulder. Phase 2 starts upon completion of Phase 1. The LANE Team will install MOT and switch traffic. This followed by the partial demolition of the existing roadway, then earth work, drainage, and subbase. The asphalt paving will start after the winter shut-down. Phase 2 will finish with guardrail construction. Phase 3 construction will start install MOT and switch traffic. The Critical Path will follow the superstructure replacement of Bridge B-624 and B-625, which includes removal and replacement of existing bridge deck and girders. Phase 3 will end with constructing the roadway tie-in to the bridges. Phase 3 completion will drive the Punch List work and the Final Completion of the Project.

Key Assumptions

The LANE Team made the following key assumptions on which our Representative Schedule is based:

- Effective partnering and coordination efforts between the LANE Team, VDOT, the County, the adjacent active contract, and all the stakeholders.
- Permit /TOY Restriction – Based upon our review of the environmental documents provided in the RFP we do not anticipate any TOY restrictions.
- Utility Relocation – Based upon our initial design work we have not identified any time sensitive utility relocations. Protecting existing utilities in place, minor service connections for ITS and lighting, and the communications and electrical conduits associated with the pedestrian tunnel will be absorbed in the normal work schedule of activities.
- ROW Acquisition – Since the three drainage easements identified in the RFP are still being cleared through the environmental approval process, our Team has separated the Right-of-Way plan package in the schedule. This will mitigate any lag time in the environmental process from impacting the deliverable schedule.

Conclusion

LANE has developed a Proposal Schedule and Proposal Schedule Narrative that demonstrates our understanding of the complexities and interrelationships of the technical elements of the Project. Additionally, our Proposal Schedule accounts for: internal plan reviews, VDOT plan reviews and approvals, environmental permitting, right of way acquisitions, utility relocations, and construction activities.

The LANE Team is committed to develop an accurate and robust Baseline Schedule to better serve VDOT, stakeholders, and the traveling public. Once we have notice to proceed and the final design process begins, all team members will actively work to make this project more efficient, high quality and award winning.

Appendix

Richmond 13

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	**Appendix**
Acknowledgement of RFP, Revisions, and/or Addenda	Attachment 3.6 (Form C-78-RFP)	Sections 3.6, 4.0.1.1	**Appendix**
Letter of Submittal	NA	Sections 4.1	**Pages 1-2**
Letter of Submittal on Offeror's letterhead	NA	Section 4.1.1	**1**
Offeror's official representative information	NA	Section 4.1.1	**1**
Authorized representative's original signature	NA	Section 4.1.1	**2**
Declaration of intent	NA	Section 4.1.2	**1**
120 day declaration	yes	Section 4.1.3	**1**
Point of Contact information	yes	Section 4.1.4	**1**
Principal Officer information	NA	Section 4.1.5	**2**
Final Completion Date	NA	Section 4.1.6	**2**
Proposal Payment Agreement or Waiver of Proposal Payment	Attachment 9.3.1 or 9.3.2	Section 4.1.7	**Appendix**
Certification Regarding Debarment Forms	Attachment 11.8.6(a) Attachment 11.8.6(b)	Section 4.1.8	**Appendix**
Written statement of percent DBE participation	NA	Section 4.1.9	**2**

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	**Pages 3-10**
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	**3**
Organizational chart with any updates since the SOQ submittal clearly identified	NA	Section 4.2.1	**4**
Revised narrative when organizational chart includes updates since the SOQ submittal	NA	Section 4.2.1	**3**
Conceptual Roadway Plans – Plan View	NA	Section 4.2.2	**Volume II**
Conceptual Roadway Plans – Typical Sections	NA	Section 4.2.2	**Volume II**
Conceptual Structural Plans – Elevation View	NA	Section 4.2.3	**Volume II**
Conceptual Structural Plans – Transverse Section	NA	Section 4.2.3	**Volume II**
Conceptual Structural Plans – Abutment and Pier Configurations	NA	Section 4.2.3	**Volume II**
Proposal Schedule	NA	Section 4.2.4	**Pages 5-10**
Proposal Schedule	NA	Section 4.2.4.1	**Volume II**
Proposal Schedule Narrative	NA	Section 4.2.4.2	**5-10**
Proposal Schedule in electronic format (CD-ROM)	NA	Section 4.2.4	**CD-ROM**

Attachment 3.6 Form C-78-RFP

Form C-78-RFP

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

6/20/2017
DATE

Ali Alkouraishi
PRINTED NAME

Pursuit Manager
TITLE

Attachment 9.3.1 Proposal Payment Agreement

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 The Lane Construction Corporation ("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:

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: _____

The Lane Construction Corporation

By: _____

Name: All Alkouraishi

Title: Pursuit Manager

Attachment 11.8.6 (a) Debarment Forms – Primary Covered Transactions

ATTACHMENT 11.8.6(a)
CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS

Project: I-64 Widening Exit 200 to 205
Project No.: 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	June 20, 2017 Date	Pursuit Manager Title

The Lane Construction Corporation
Name of Firm

WEIGH
STATION
DOT

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.

Scott A. Lovell 06/06/2017 Area Manager
Signature Date Title

WSP USA 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

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	6/6/2017	PRINCIPAL
Signature	Date	Title

CES Consulting, LLC
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

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

DIW Group, Inc. t/a Specialized Engineering
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

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Doug Lucas	06/06/2017	Vice President
Signature	Date	Title

EEE Consulting, 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

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	June 6, 2017	President
Signature	Date	Title

GET Solutions, 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

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Signature	06/06/2017 Date	President & CEO Title

Harris Miller Miller & Hanson 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

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06/06/2017 Vice President
Signature Date Title

H&B Surveying and Mapping, LLC
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

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Stephen J. Toth	June 6, 2017	Chief Operating Officer
Signature	Date	Title

O. R. Colan Associates, LLC
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

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

Elizabeth Quinn 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

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	06/06/2017	MANAGING PRINCIPAL
Signature	Date	Title

RHODESIDE & HARWELL, INCORPORATED
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

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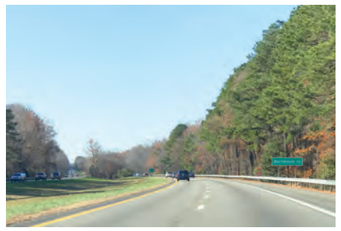
Windy Campbell 6/6/17 Public Relations Specialist
Signature Date Title

Seventh Point Transportation PR
Name of Firm

The Lane Construction Corporation
14500 Avion Parkway
Suite 200
Chantilly, VA 20151
Tel: (703) 222-5670
www.laneconstruct.com

LANE

>>ORIGINAL



Letter of Submittal and Attachments (Volume II)

I-64 Widening Exit 200 to 205

From Interstate 295 to Exit 205 (Bottom's Bridge)

Henrico and New Kent Counties, Virginia

State Project No.: 0064-043-602
Federal Project No.: NHPP-064-3 (499)
Contract ID Number: C00107458DB95

LANE
wsp

submitted to:
Virginia Department of Transportation

submitted by:
The Lane Construction Corporation

in association with:
WSP USA Inc.

EXIT 205
WEST EAST TO
33 249 60
Bottoms Br
Quinton

EXIT 200
64 WEST
Richmond
295 60
Washington
Rocky Mt NC

PROJECT MANAGER JASON WILLIAMS, P.E. (804) 524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP USA (757) 466-7732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000) 000-0000 (District)>

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

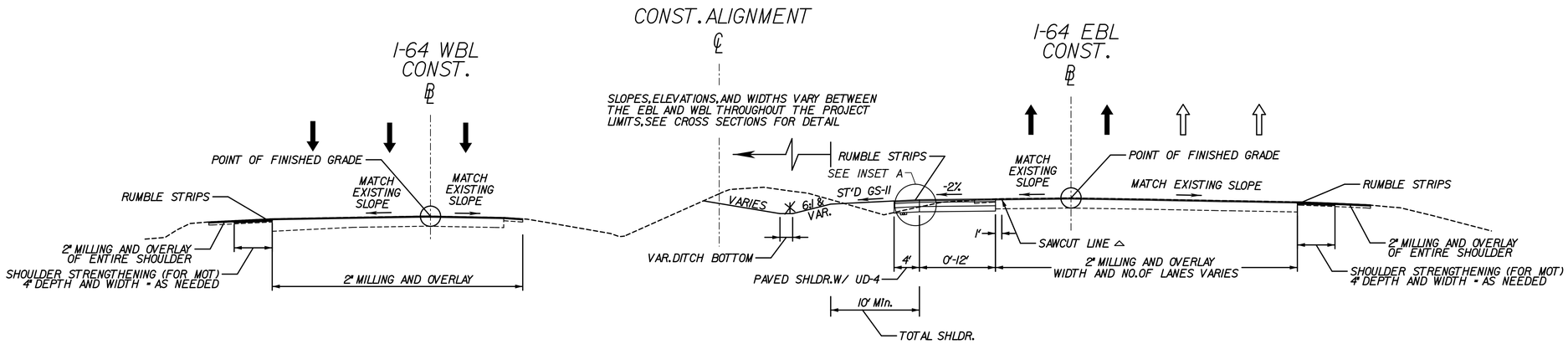
THESE PLANS ARE UNFINISHED AND UNAPPROVED. THEY ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR FOR THE AQUISITION OF RIGHT OF WAY.

TYPICAL SECTIONS I-64

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	2A

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

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



STATION TO STATION
1427+01.34 TO 1437+01.34
(I-64 EB - ALL 4 LANES SHIFT WITH 12' INSIDE WIDENING OVER 1000')

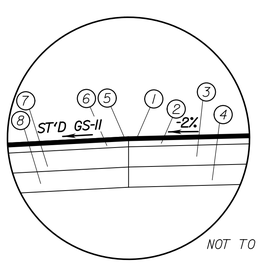
NOTES

1. GUARDRAIL TO BE BASED ON LENGTH OF NEED. EXTEND INSIDE SHOULDER 4 FEET ADDITIONAL WHERE GUARDRAIL IS REQUIRED

✳ LOW SIDE (EBL OR WBL) SLOPE WILL RANGE FROM 4:1 TO 6:1 WITH 6:1 BEING IDEAL IN MOST LOCATIONS. THE HIGH SIDE SLOPE WILL BE VARIABLE WITH A 2:1 MAX.

△ PERFORM SAW CUT IN ASPHALT CONCRETE 1' FROM PAVEMENT MARKING AND LEAVE UNDERLYING CONCRETE PAVEMENT INTACT AND UNDAMAGED.

INSET A



PAVEMENT DESIGN (ROADWAY & SHOULDER)

1. 2.0" Asphalt Concrete Surface Course, SMA-12.5 (64E-22)
2. 2.0" Asphalt Concrete Intermediate Course, SMA-19.0 (64E-22)
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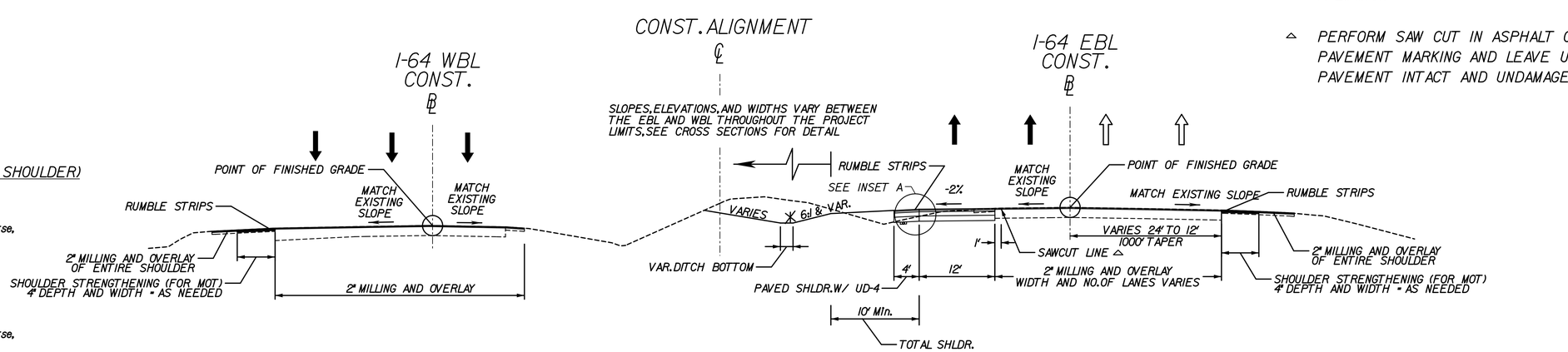

STATION TO STATION
1437+01.34 TO 1457+14.42

LANE | WSP

PROJECT	SHEET NO.
0064-043-602	2A

PROJECT MANAGER JASON WILLIAMS, P.E. (804) 524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP (USA) (757) 466-7732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000) 000-0000 (District)>

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TYPICAL SECTIONS I-64

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	2B

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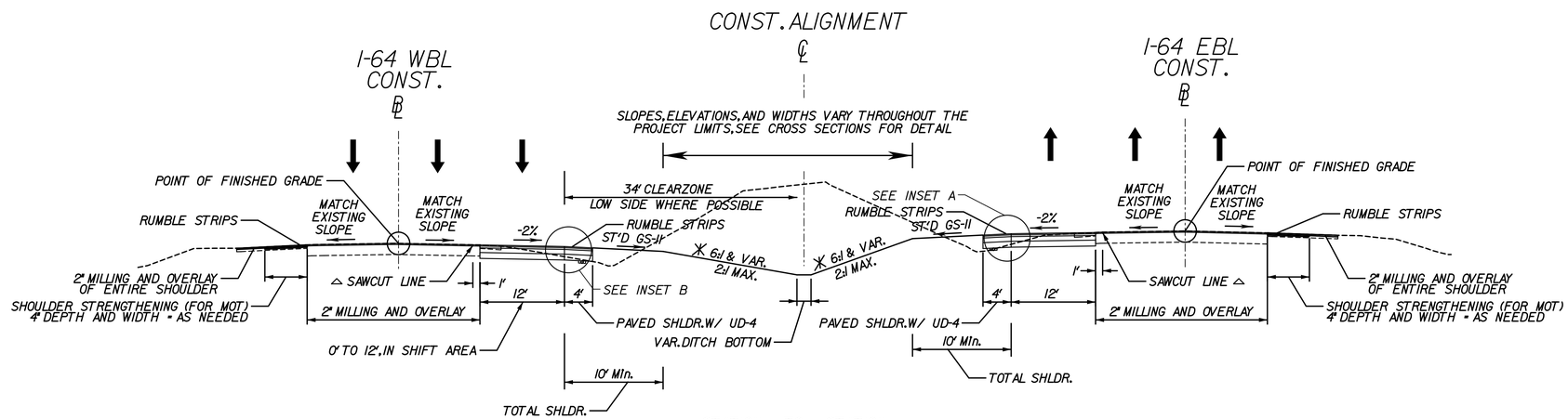
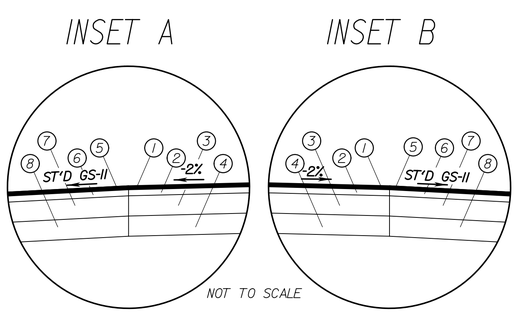


STATION TO STATION
1457+14.42 TO 1597+78.46

[TANGENT SECTIONS]
SEE SHEET 2C FOR TYPICALS OF CURVE SECTIONS BETWEEN THIS STATIONING



PAVEMENT DESIGN (ROADWAY & SHOULDER)

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LANE | WSP

PROJECT	SHEET NO.
0064-043-602	2B

PROJECT MANAGER JASON WILLIAMS, P.E. (804) 524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP USA (757) 466-7732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000) 000-0000 (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	2C

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

TYPICAL SECTIONS I-64

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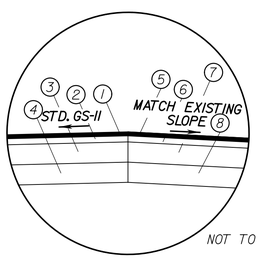
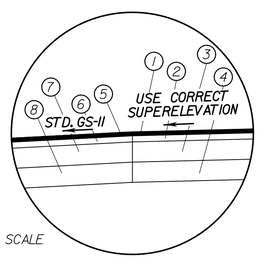
INSET A



INSET B



NOT TO SCALE

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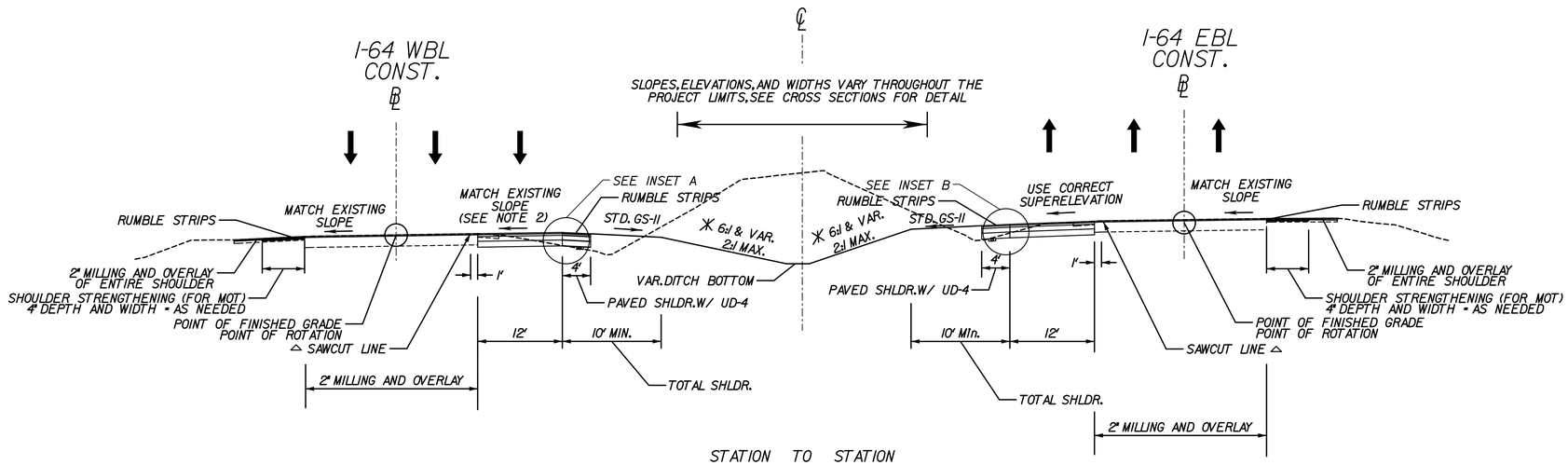
CURVE TO LEFT

CONST. ALIGNMENT

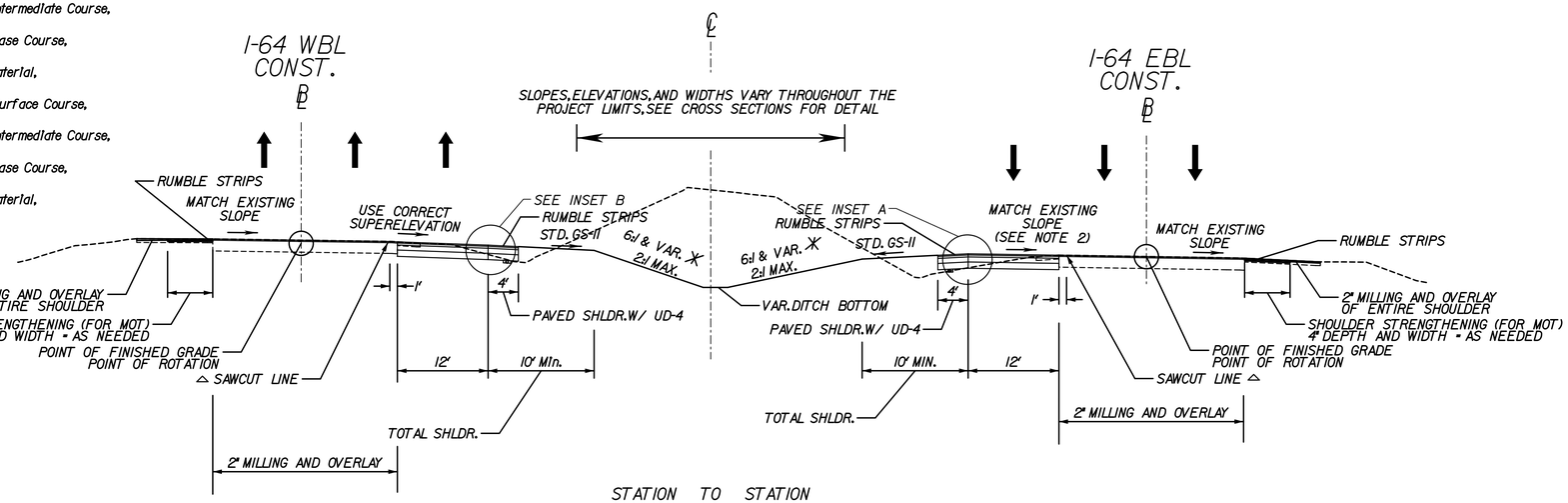


STATION TO STATION
1457+14.42 TO 1597+78.46
[CURVE SECTIONS]

SEE SHEET 2B FOR TYPICAL OF TANGENT SECTIONS BETWEEN THIS STATIONING

CURVE TO RIGHT

CONST. ALIGNMENT



STATION TO STATION
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[CURVE SECTIONS]

SEE SHEET 2B FOR TYPICAL OF TANGENT SECTIONS BETWEEN THIS STATIONING

NOTES

1. GUARDRAIL TO BE BASED ON LENGTH OF NEED. EXTEND INSIDE SHOULDER 4 FEET ADDITIONAL WHERE GUARDRAIL IS REQUIRED
2. SEE DESIGN EXCEPTION FOR MORE INFORMATION REGARDING SUPERELEVATION IN CURVES

* LOW SIDE (EBL OR WBL) SLOPE WILL RANGE FROM 4:1 TO 6:1 WITH 6:1 BEING IDEAL IN MOST LOCATIONS. THE HIGH SIDE SLOPE WILL BE VARIABLE WITH A 2:1 MAX.

△ PERFORM SAW CUT IN ASPHALT CONCRETE 1' FROM PAVEMENT MARKING AND LEAVE UNDERLYING CONCRETE PAVEMENT INTACT AND UNDAMAGED.

LANE | WSP

PROJECT	SHEET NO.
0064-043-602	2C

PROJECT MANAGER JASON WILLIAMS, P.E. (804) 524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP (USA) (757) 466-1732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000) 000-0000 (District)>

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

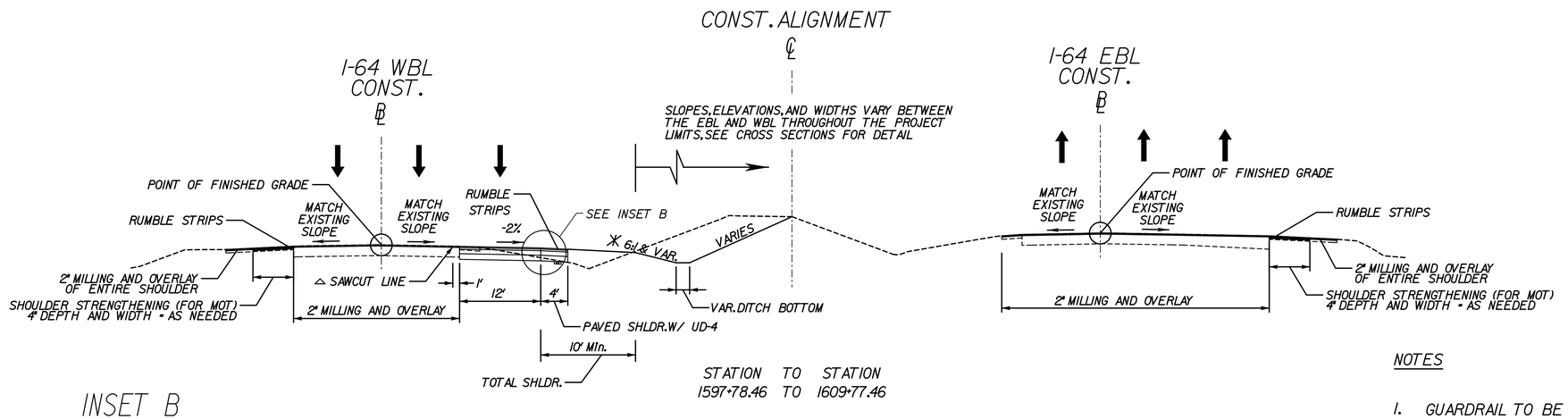
THESE PLANS ARE UNFINISHED AND UNAPPROVED. THEY ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR FOR THE AQUISITION OF RIGHT OF WAY.

TYPICAL SECTIONS I-64

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	2D

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

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

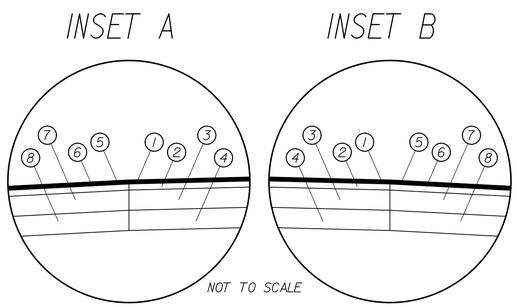


NOTES

1. GUARDRAIL TO BE BASED ON LENGTH OF NEED. EXTEND INSIDE SHOULDER 4 FEET ADDITIONAL WHERE GUARDRAIL IS REQUIRED

✳ LOW SIDE (EBL OR WBL) SLOPE WILL RANGE FROM 4:1 TO 6:1 WITH 6:1 BEING IDEAL IN MOST LOCATIONS. THE HIGH SIDE SLOPE WILL BE VARIABLE WITH A 2:1 MAX.

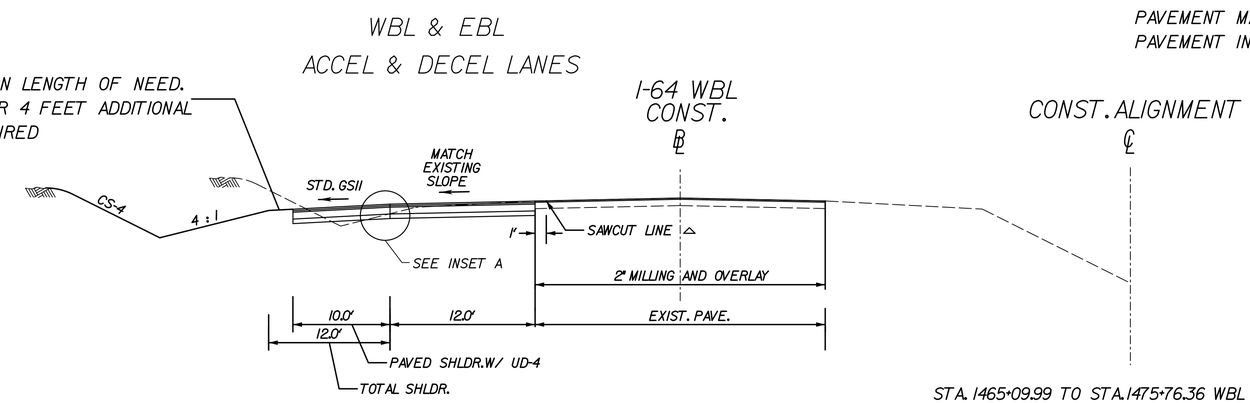
△ PERFORM SAW CUT IN ASPHALT CONCRETE 1' FROM PAVEMENT MARKING AND LEAVE UNDERLYING CONCRETE PAVEMENT INTACT AND UNDAMAGED.



PAVEMENT DESIGN (ROADWAY & SHOULDER)

1. 2.0" Asphalt Concrete Surface Course, SMA-12.5 (64E-22)
2. 2.0" Asphalt Concrete Intermediate Course, SMA-19.0 (64E-22)
3. 9.0" Asphalt Concrete Base Course, BM-25.0D+0.4
4. 6.0" Aggregate Base Material, Type I, Size No. 21B
5. 2.0" Asphalt Concrete Surface Course, SMA-12.5D
6. 2.0" Asphalt Concrete Intermediate Course, IM-19.0D
7. 9.0" Asphalt Concrete Base Course, BM-25.0D
8. 6.0" Aggregate Base Material, Type I, Size No. 21B (Connect To UD-4)

GUARDRAIL TO BE BASED ON LENGTH OF NEED. EXTEND OUTSIDE SHOULDER 4 FEET ADDITIONAL WHERE GUARDRAIL IS REQUIRED



NOTE: MILL AND OVERLAY EXISTING RAMPS TO GORE AREA.

STA. 1465+09.99 TO STA. 1475+76.36 WBL (ON RAMP)
STA. 1501+51.36 TO STA. 1507+98.43 WBL (OFF RAMP)
STA. 1474+37.45 TO STA. 1480+76.08 EBL (OFF RAMP)
STA. 1504+77.36 TO STA. 1517+42.46 EBL (ON RAMP)

LANE | WSP

PROJECT	SHEET NO.
0064-043-602	2D

PROJECT MANAGER JASON WILLIAMS, P.E. (804) 524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP USA (757) 466-1732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000) 000-0000 (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	2E

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

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

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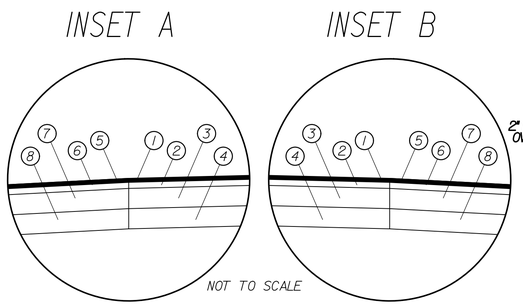
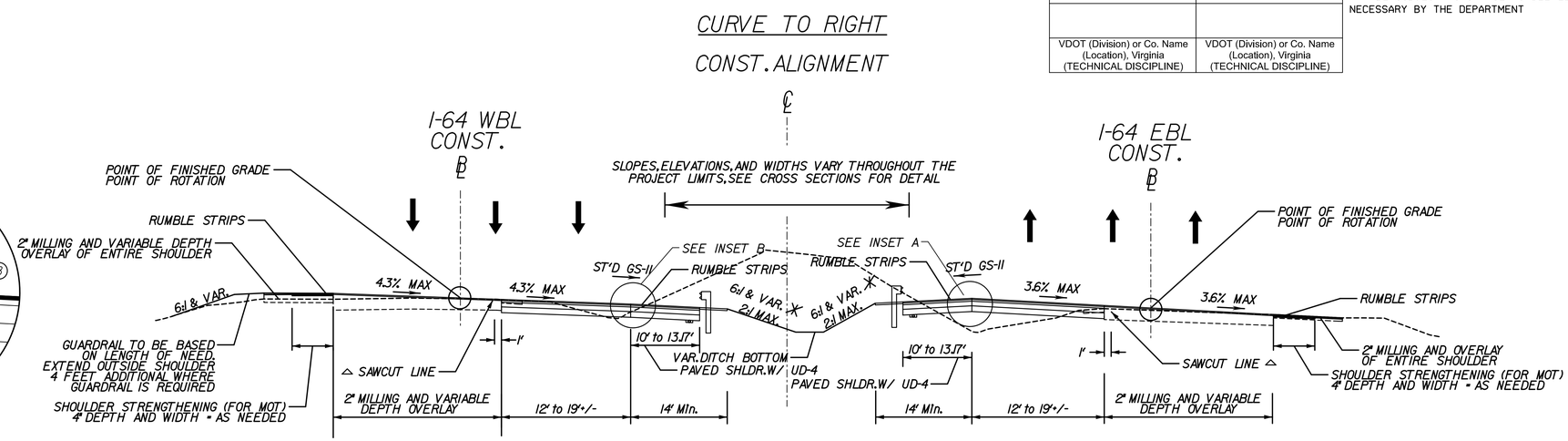
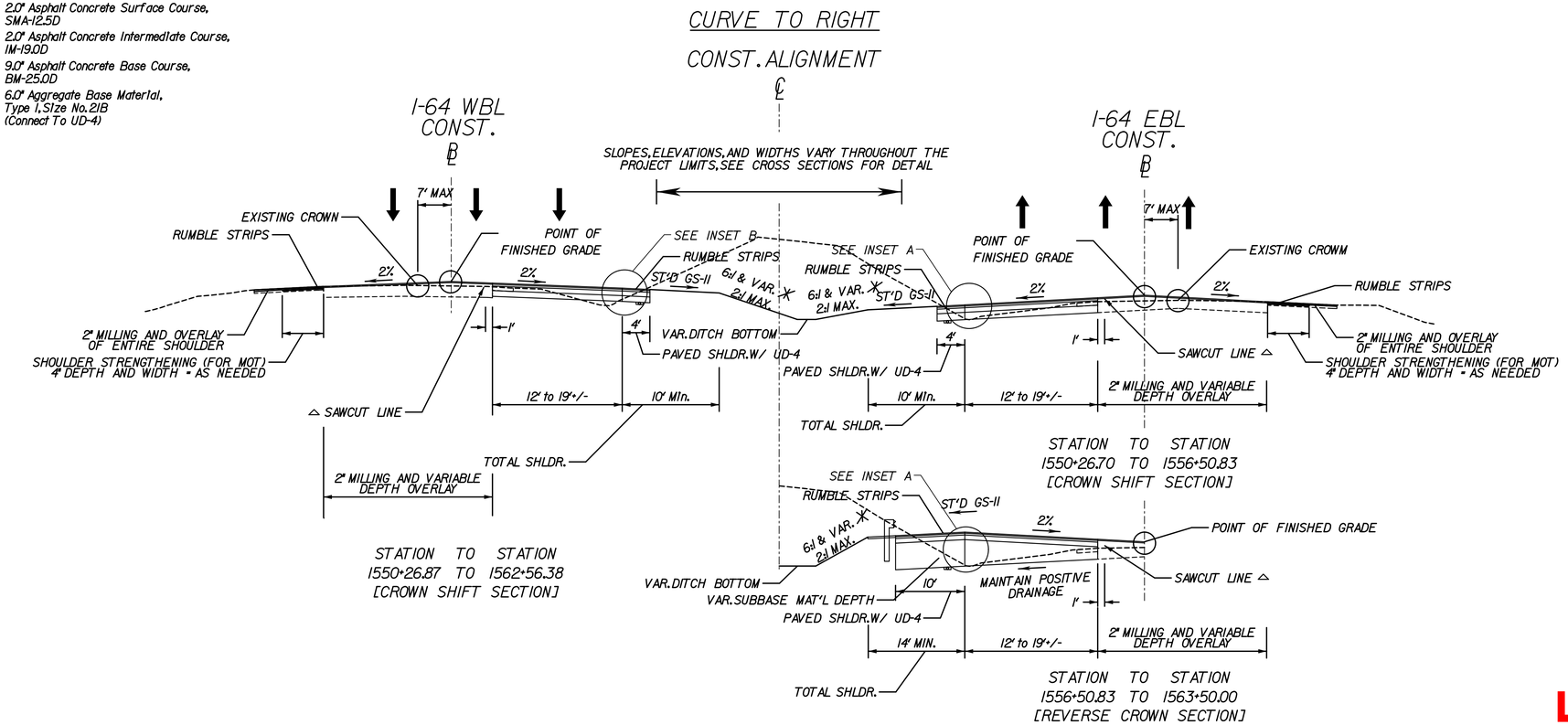
TYPICAL SECTIONS I-64



PAVEMENT DESIGN (ROADWAY & SHOULDER)

1. 2.0" Asphalt Concrete Surface Course, SMA-12.5 (64E-22)
2. 2.0" Asphalt Concrete Intermediate Course, SMA-19.0 (64E-22)
3. 9.0" Asphalt Concrete Base Course, BM-25.0D*0.4
4. 6.0" Aggregate Base Material, Type I, Size No. 21B
5. 2.0" Asphalt Concrete Surface Course, SMA-12.5D
6. 2.0" Asphalt Concrete Intermediate Course, IM-19.0D
7. 9.0" Asphalt Concrete Base Course, BM-25.0D
8. 6.0" Aggregate Base Material, Type I, Size No. 21B (Connect To UD-4)





NOTES

1. GUARDRAIL TO BE BASED ON LENGTH OF NEED. EXTEND INSIDE SHOULDER 4 FEET ADDITIONAL WHERE GUARDRAIL IS REQUIRED
2. SEE DESIGN EXCEPTION FOR MORE INFORMATION REGARDING SUPERELEVATION IN CURVES

✳ LOW SIDE (EBL OR WBL) SLOPE WILL RANGE FROM 4:1 TO 6:1 WITH 6:1 BEING IDEAL IN MOST LOCATIONS. THE HIGH SIDE SLOPE WILL BE VARIABLE WITH A 2:1 MAX.

△ PERFORM SAW CUT IN ASPHALT CONCRETE 1' FROM PAVEMENT MARKING AND LEAVE UNDERLYING CONCRETE PAVEMENT INTACT AND UNDAMAGED.

LANE | WSP

PROJECT	SHEET NO.
0064-043-602	2E

PROJECT MANAGER JASON WILLIAMS, P.E. (804) 524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP USA (757) 466-1732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000) 000-0000 (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	3

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

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

Curve 64_CL_I
PI = 1397+86.86
DELTA = 1° 24' 14.80" (RT)
D = 0° 07' 49"
T = 539.17'
L = 1,078.28'
R = 44,000.00'
PC = 1392+47.69
PT = 1403+25.97
V = 70 MPH

Curve 64_WB_I
PI = 2397+87.50
DELTA = 1° 24' 14.80" (RT)
D = 0° 07' 48"
T = 539.85'
L = 1,079.65'
R = 44,056.00'
PC = 2392+47.65
PT = 2403+27.30
V = 70 MPH

Curve 64_EB_I
PI = 3397+86.20
DELTA = 1° 24' 14.80" (RT)
D = 0° 07' 49"
T = 538.48'
L = 1,076.91'
R = 43,944.00'
PC = 3392+47.72
PT = 3403+24.63
V = 70 MPH

Note: "xx" denotes existing monumentation NOT HELD for right-of-way purposes

COOKE PROPERTIES, L.L.C.
D.B. 2566, PG. 1714
P.B. 84, PG. 244
183.518 Ac.

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

OUTLET PROTECTION
PERMANENT DRAINAGE EASEMENT

I-64 WBL CONST.BL
I-64 EBL CONST.BL
CONSTRUCTION ALIGNMENT CL
64_CL_I
64_WB_I
64_EB_I

BEGIN CONSTRUCTION
I-64 CONSTRUCTION CENTERLINE
STATION 1396+55.15

MATCH LINE STA 1407+50 SHEET 4

S 71° 26' 21" E
S 72° 50' 36" E

BMP: Grassed Swale
SWM-1
SWM-2
SWM-4
SWM-5
SWM-6
SWM-10
SWM-11
SWM-12
SWM-13

ex3-1
ex3-2
ex3-3
ex3-4
ex3-5
ex3-6
ex3-7
ex3-8
ex4-4

Exist. CCTV

LEGEND:
- CCTV
- EXISTING CCTV
- SWM AREAS
- LIMITS OF CLEARING
- PROP LIGHT & JB
- ROCK CHECK DAM (TYPE I)
- DENOTES CONSTRUCTION LIMITS IN CUTS
- DENOTES CONSTRUCTION LIMITS IN FILLS
- WETLAND BOUNDARY
- MILL & OVERLAY TRAVEL LANES
- MILL & OVERLAY PAVED SHOULDER
- DEMOLITION OF EXISTING PAVEMENT
- FULL DEPTH PAVEMENT
- PAVED SHOULDER
- CROSSOVER PAVEMENT
- 12' LANE

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

Mainline Profile	3A

- Structure To Be Abandoned
- Structure To Be Removed
- Pipe To Be Abandoned, Plugged & Filled
- Pipe To Be Removed
- Pay Limit For Abandoned Or Removed Pipe

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

LANE WSP

SCALE 0 50' 100'

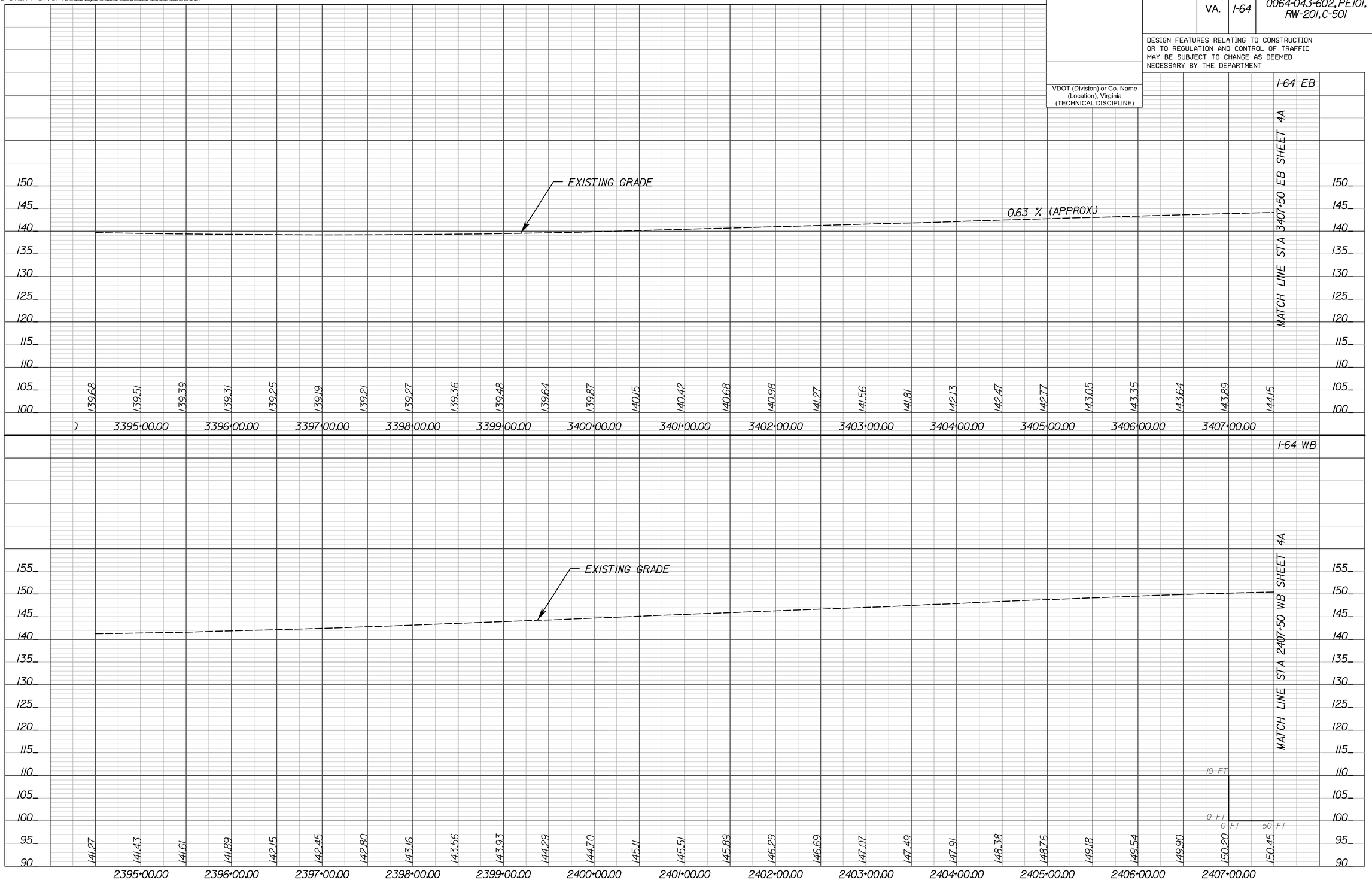
PROJECT	SHEET NO.
0064-043-602	3

PROJECT MANAGER <Project Mgr Name (000).000-0000. (District)>_____
SURVEYED BY, DATE <Surveyor Name (000).000-0000. (District)>_____
DESIGN BY WSP _ Parsons _ Brinckerhoff _ (757) 466-1732 _____
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000).000-0000. (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	3A

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

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



LANE | WSP

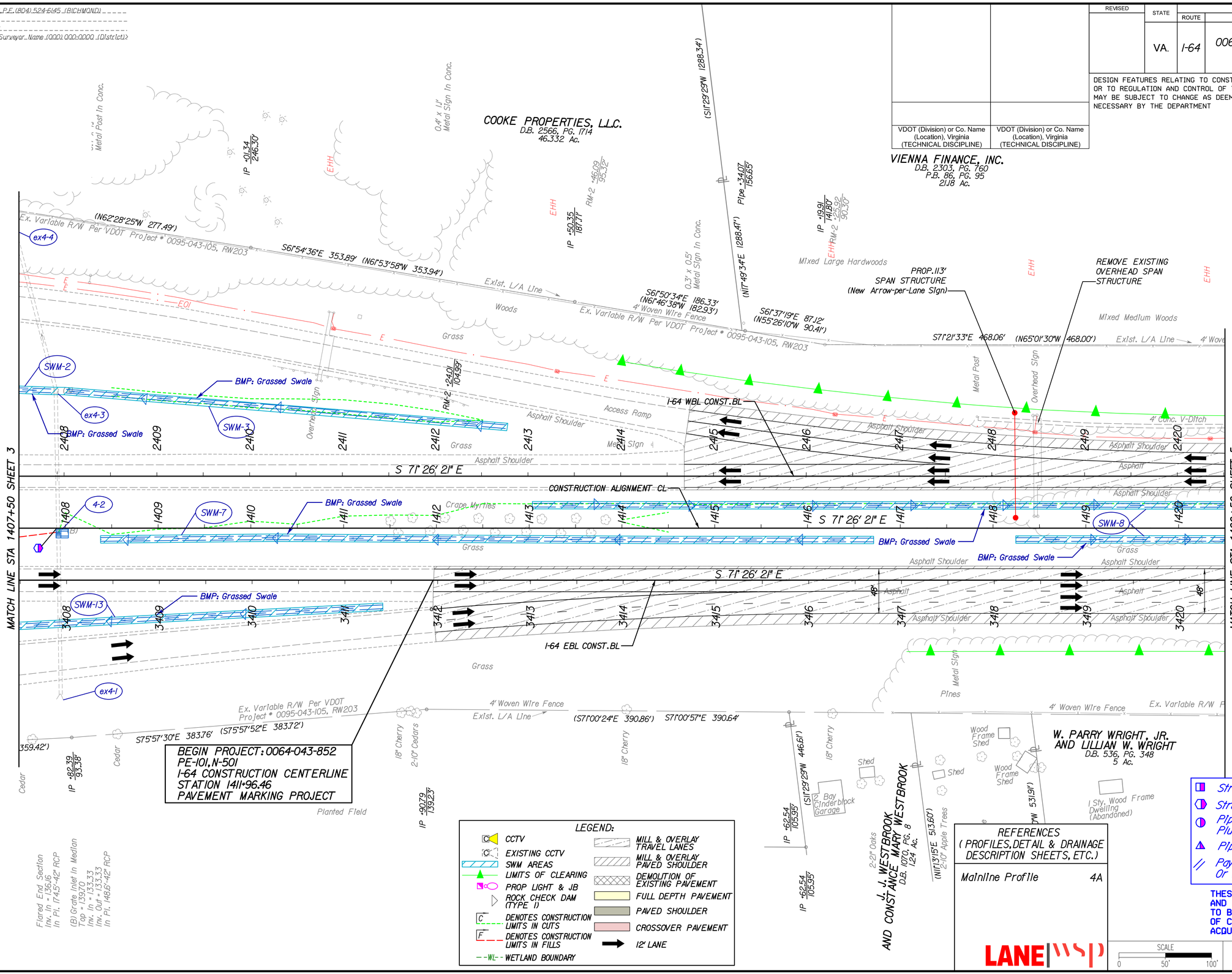
PROJECT	SHEET NO.
0064-043-602	3A

PROJECT MANAGER JASON WILLIAMS,P.E.(804)524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP USA (757) 466-7732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000) 000-0000 (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602,PE101, RW-201,C-501	4

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

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



Structure To Be Abandoned
Structure To Be Removed
Pipe To Be Abandoned, Plugged & Filled
Pipe To Be Removed
Pay Limit For Abandoned Or Removed Pipe

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

Mainline Profile 4A

LANE | WSP

SCALE 0 50' 100'

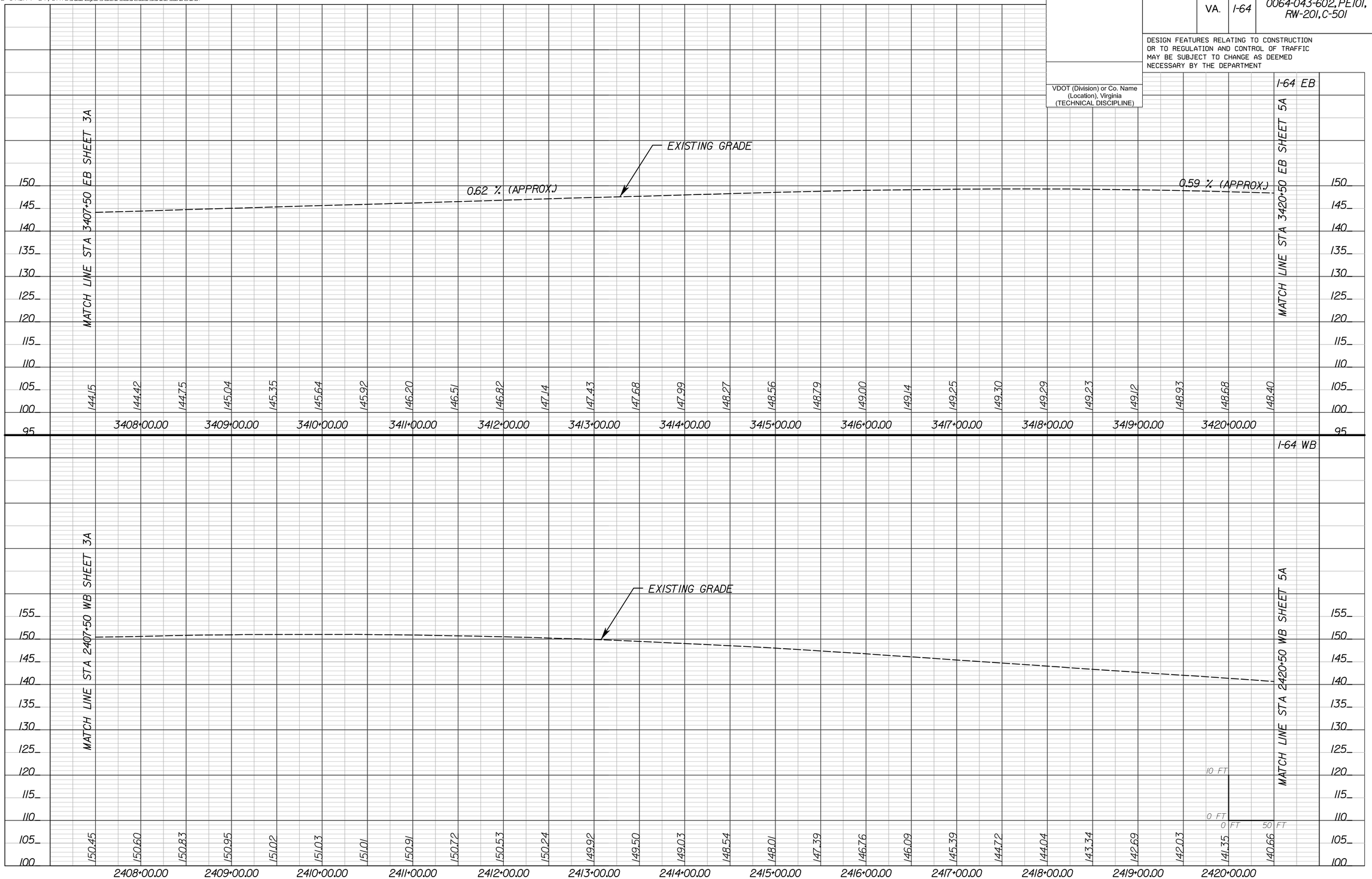
PROJECT	SHEET NO.
0064-043-602	4

PROJECT MANAGER <Project Mgr Name (0001).000:0000. (District)>_____
SURVEYED BY, DATE <Surveyor Name (0001).000:0000. (District)>_____
DESIGN BY WSP _ Parsons _Brinckerhoff_(757) 466:1732 _____
SUBSURFACE UTILITY BY, DATE <Surveyor Name (0001).000:0000. (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	4A

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

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



LANE | WSP

PROJECT	SHEET NO.
0064-043-602	4A

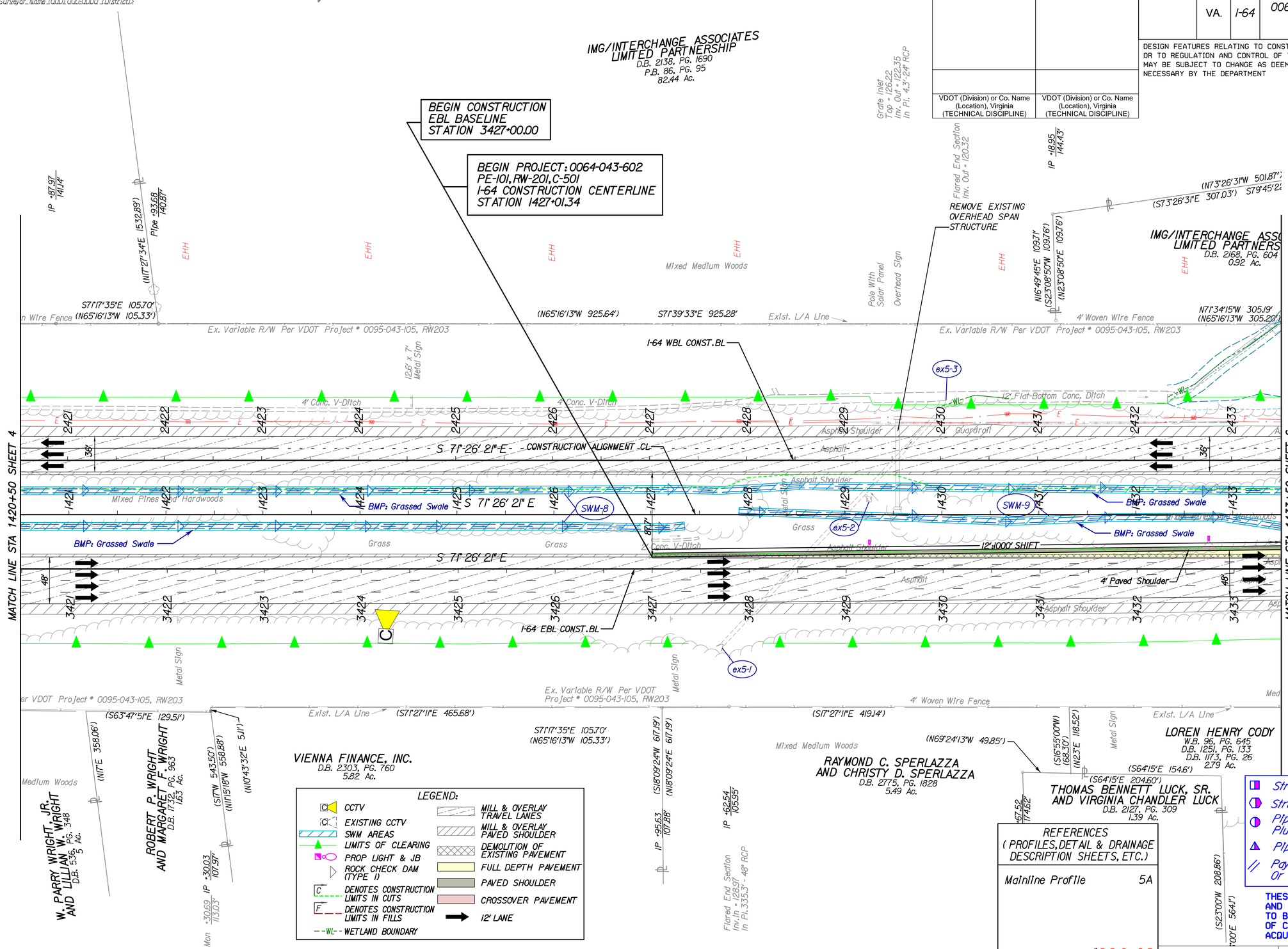
PROJECT MANAGER JASON WILLIAMS, P.E. (804) 524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP USA (757) 466-7732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000) 000-0000 (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	5

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

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

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



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

Mainline Profile	5A

- Structure To Be Abandoned
- Structure To Be Removed
- Pipe To Be Abandoned, Plugged & Filled
- Pipe To Be Removed
- Pay Limit For Abandoned Or Removed Pipe

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

LANE WSP

SCALE 0 50' 100'

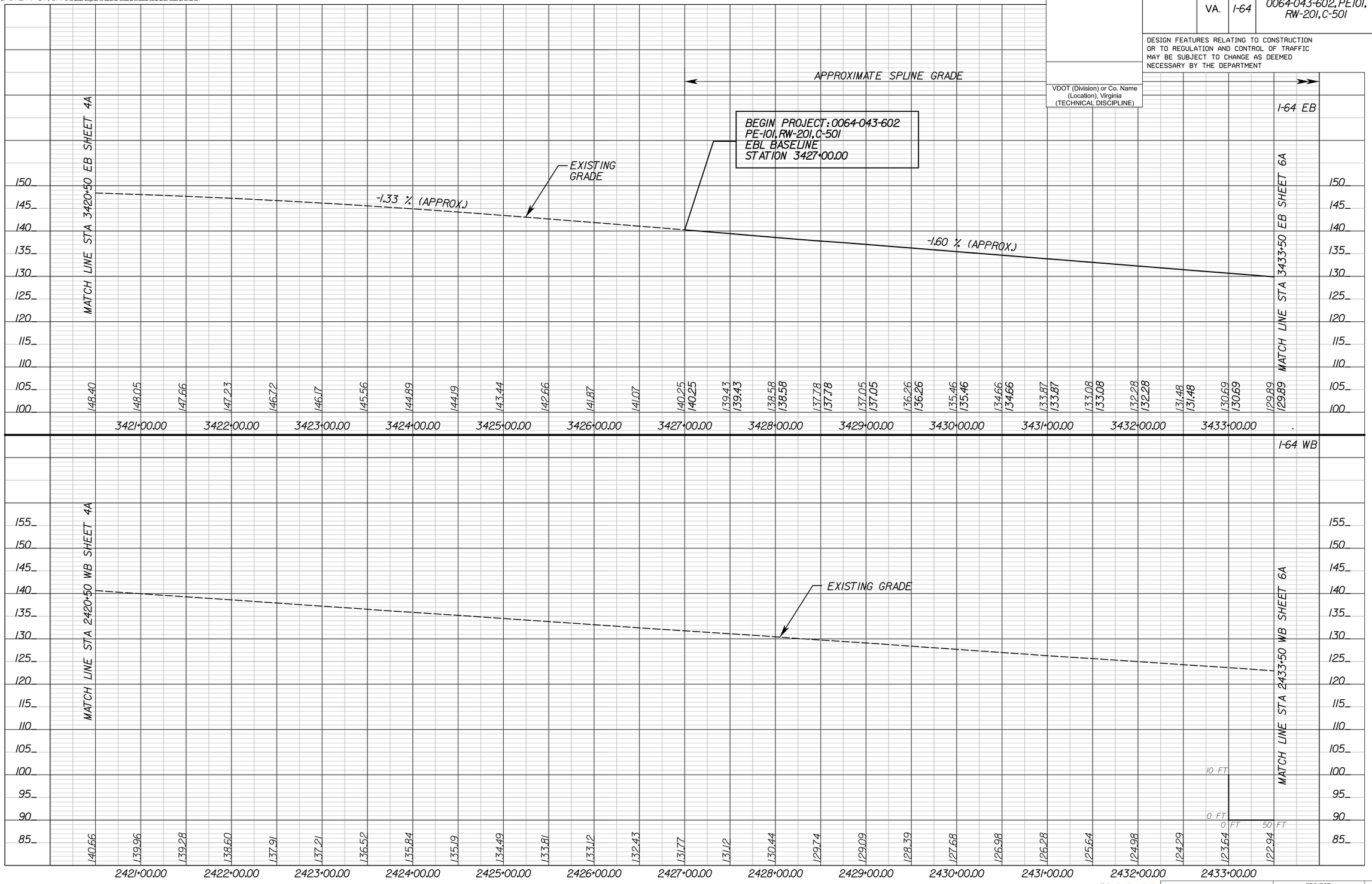
PROJECT	SHEET NO.
0064-043-602	5

PROJECT MANAGER <Project Mgr Name (000).000:0000. (District)>_____
SURVEYED BY, DATE <Surveyor Name (000).000:0000. (District)>_____
DESIGN BY WSP _ Parsons _Brinckerhoff_(757) 466:1732 _____
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000).000:0000. (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	5A

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

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



LANE WSP

PROJECT	SHEET NO.
0064-043-602	5A

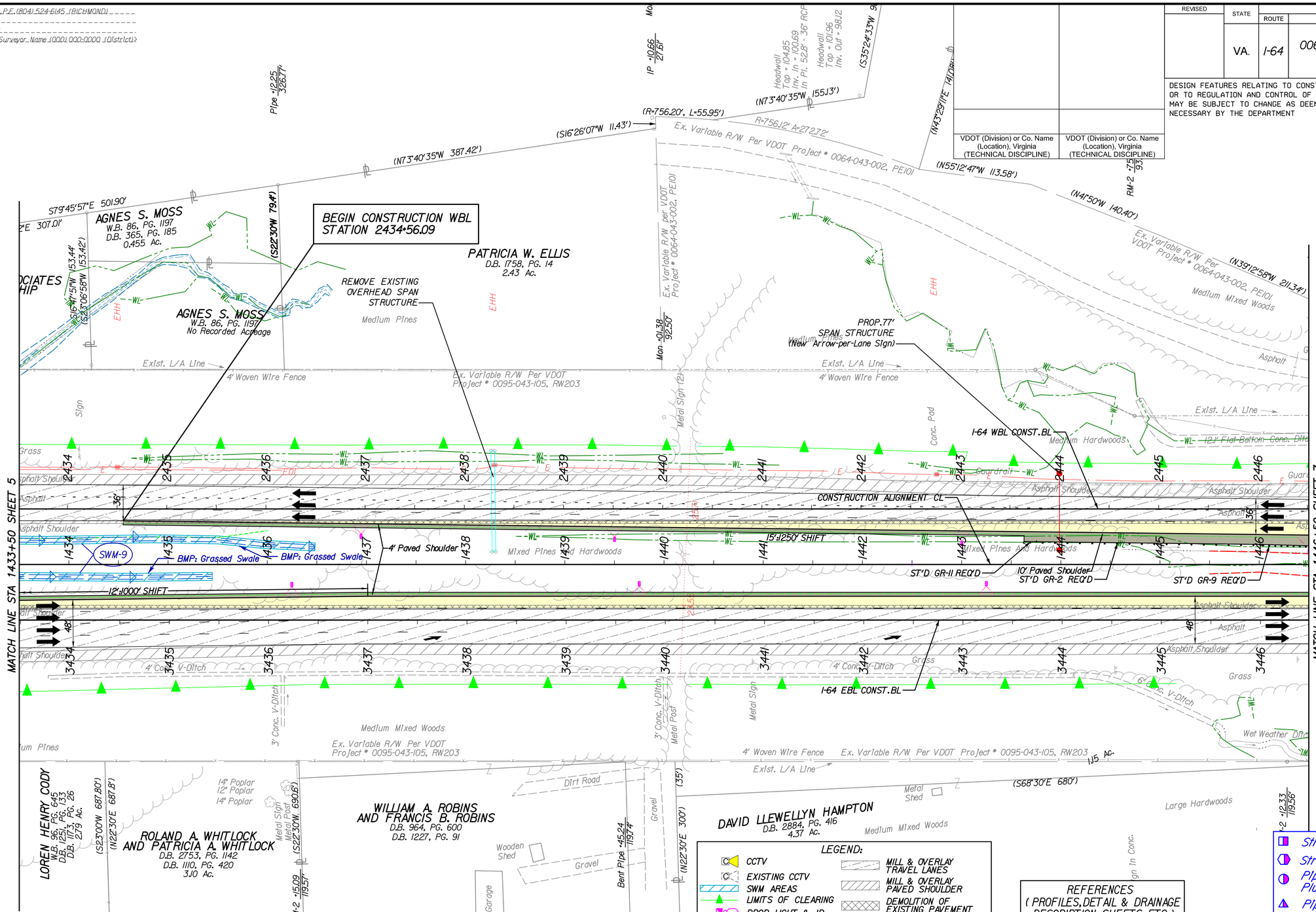
PROJECT MANAGER JASON WILLIAMS,P.E.(804)524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP USA (757) 466-7732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000) 000-0000 (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	6

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

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

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



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

Mainline Profile	6A

- Structure To Be Abandoned
- Structure To Be Removed
- Pipe To Be Abandoned, Plugged & Filled
- Pipe To Be Removed
- Pay Limit For Abandoned Or Removed Pipe

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LANE | WSP

SCALE 0 50' 100'

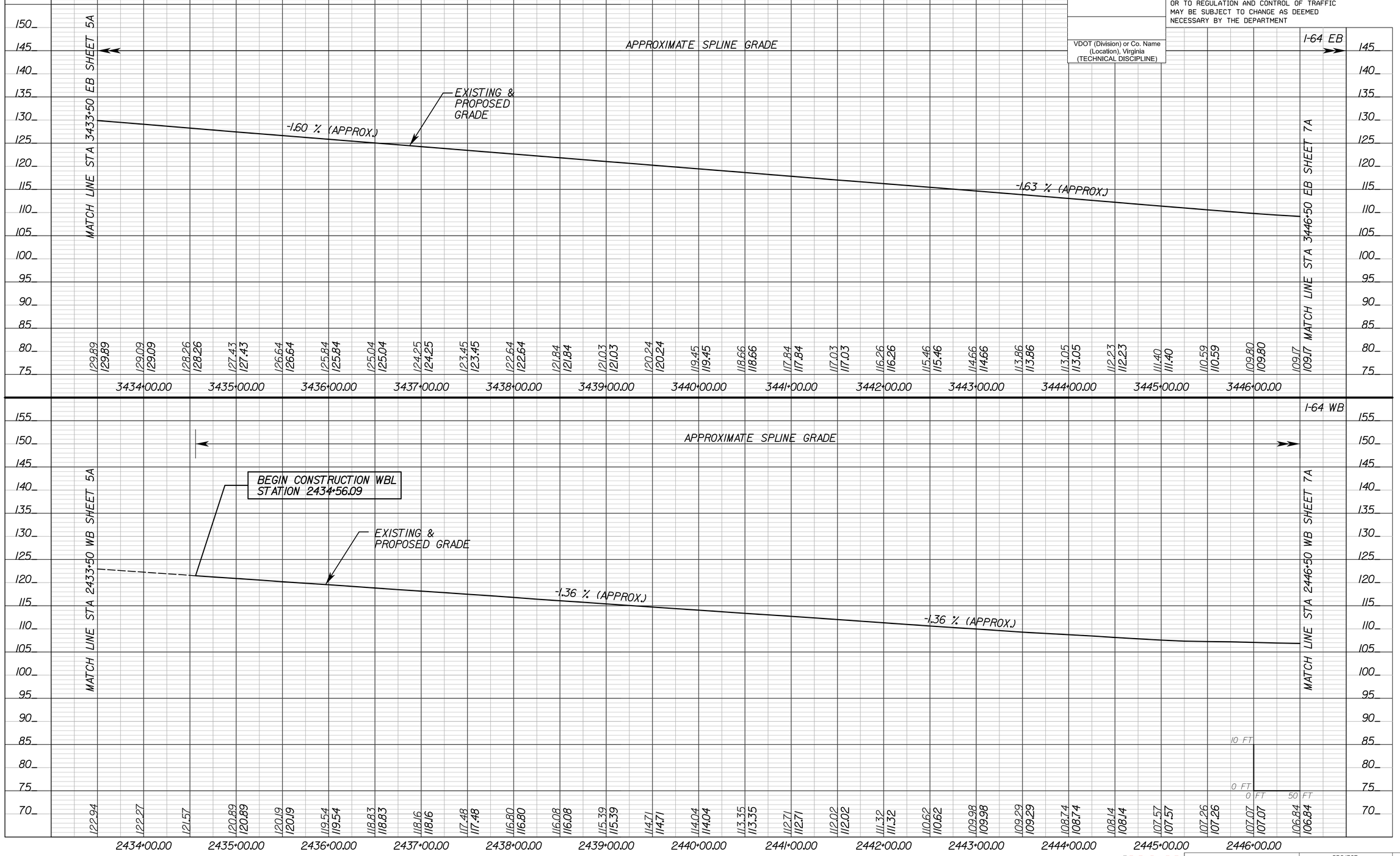
PROJECT	SHEET NO.
0064-043-602	6

PROJECT MANAGER <Project Mgr Name (000).000:0000. (District)>_____
SURVEYED BY, DATE <Surveyor Name (000).000:0000. (District)>_____
DESIGN BY WSP _Parsons_Brinckerhoff_(757) 466:1732 _____
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000).000:0000. (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	6A

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

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



LANE | WSP

PROJECT	SHEET NO.
0064-043-602	6A

PROJECT MANAGER JASON WILLIAMS,P.E.(804)524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP USA (757) 466-7732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000) 000-0000 (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	7

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

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

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

Curve 64_CL_2
PI = 1461+55.39
DELTA = 28° 09' 05.99" (LT)
D = 0° 59' 25"
T = 1,450.63'
L = 2,842.65'
R = 5,785.52'
PC = 1447+04.76
PT = 1475+47.41

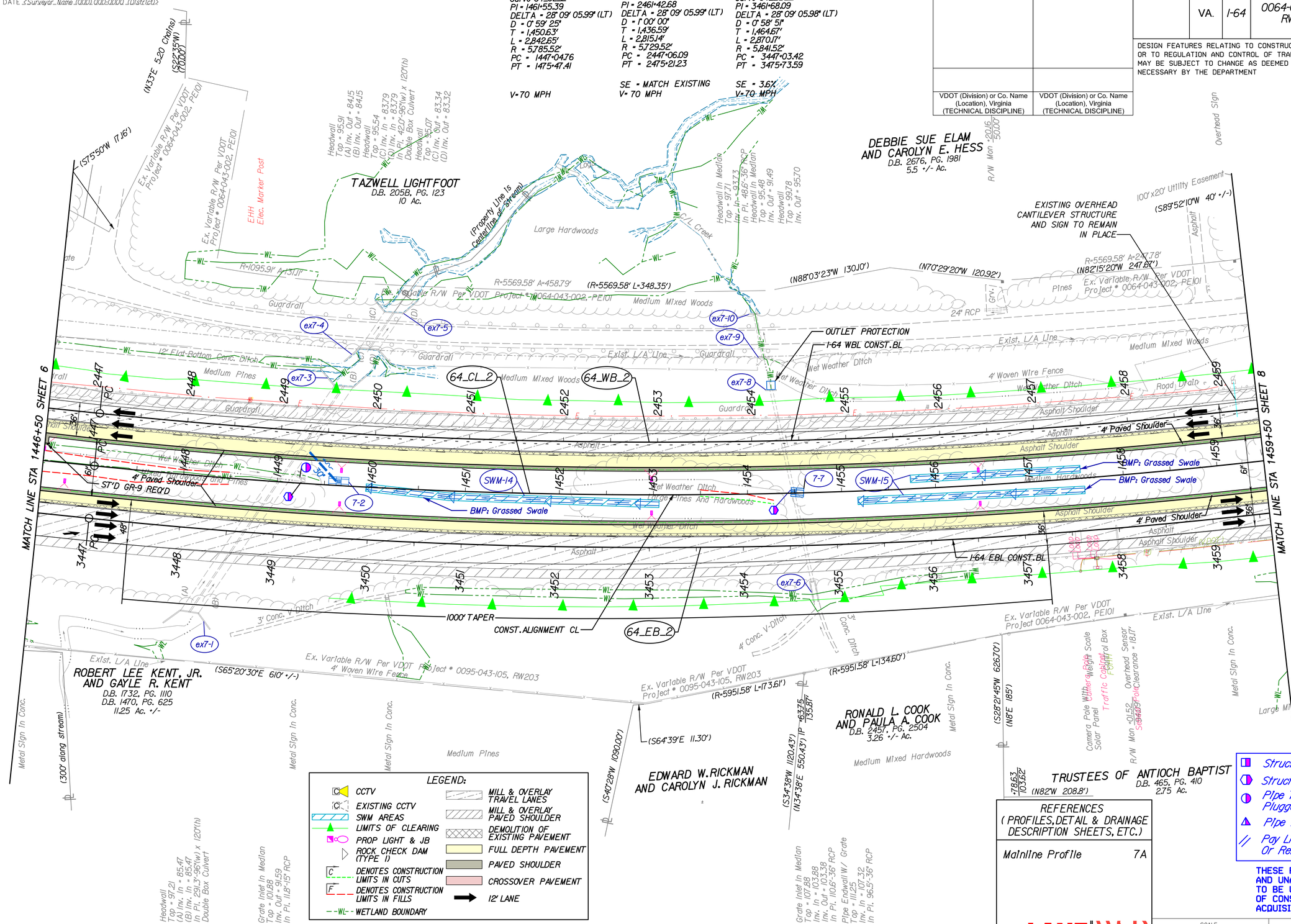
V=70 MPH

Curve 64_WB_2
PI = 2461+42.68
DELTA = 28° 09' 05.99" (LT)
D = 1° 00' 00"
T = 1,436.59'
L = 2,815.14'
R = 5,729.52'
PC = 2447+06.09
PT = 2475+21.23

SE = MATCH EXISTING
V= 70 MPH

Curve 64_EB_2
PI = 3461+68.09
DELTA = 28° 09' 05.98" (LT)
D = 0° 58' 51"
T = 1,464.67'
L = 2,870.17'
R = 5,841.52'
PC = 3447+03.42
PT = 3475+73.59

SE = 3.6%
V=70 MPH



Structure To Be Abandoned
Structure To Be Removed
Pipe To Be Abandoned, Plugged & Filled
Pipe To Be Removed
Pay Limit For Abandoned Or Removed Pipe

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

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

Mainline Profile 7A

LANE | WSP

SCALE 0 50' 100'

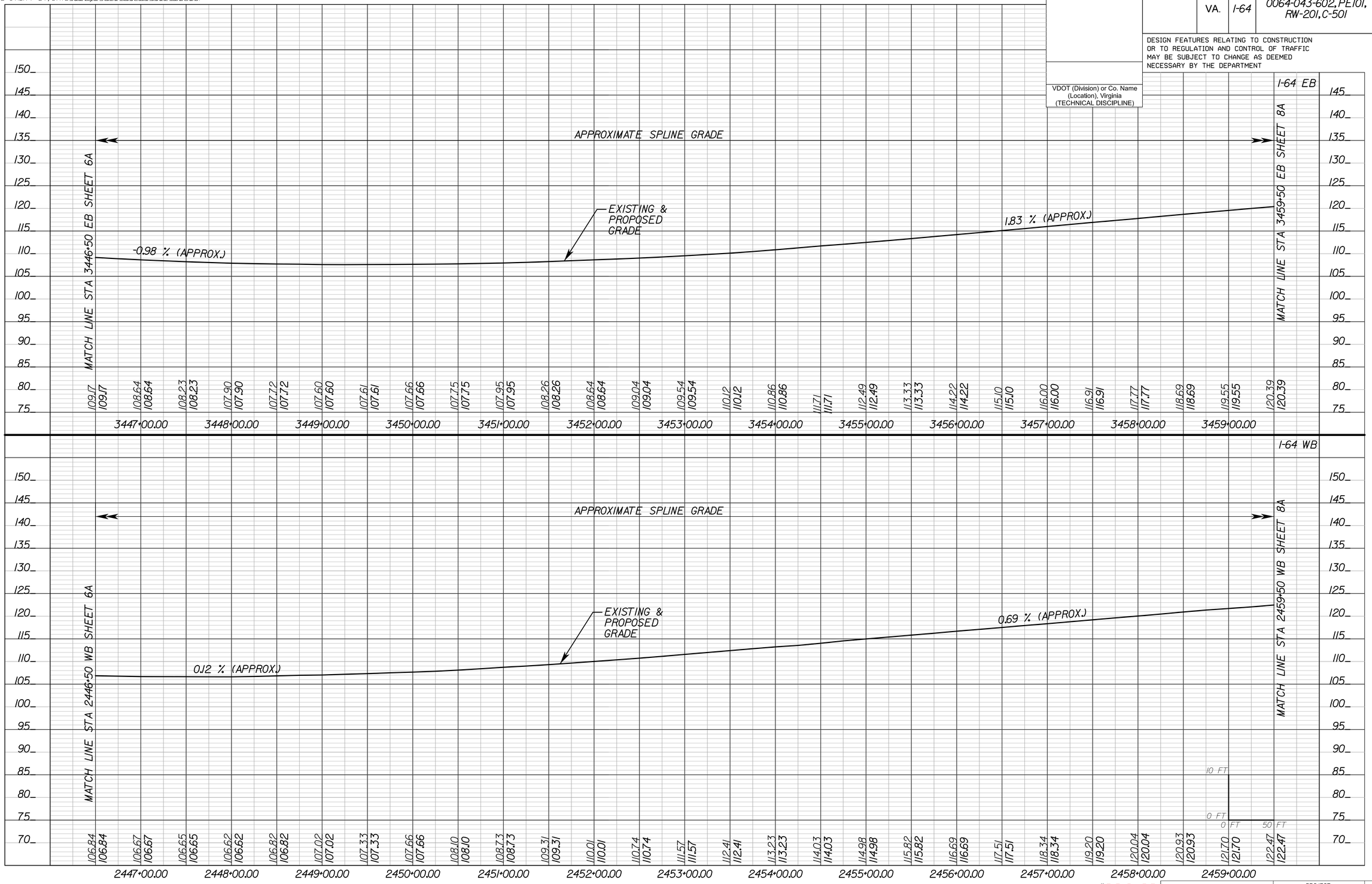
PROJECT	SHEET NO.
0064-043-602	7

PROJECT MANAGER<Project Mgr Name (000).000-0000. (District)>_____
SURVEYED BY, DATE<Surveyor Name (000).000-0000. (District)>_____
DESIGN BY WSP _Parsons_Brinckerhoff_(757) 466-1732 _____
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000).000-0000. (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	7A

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

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



LANE | WSP

PROJECT	SHEET NO.
0064-043-602	7A

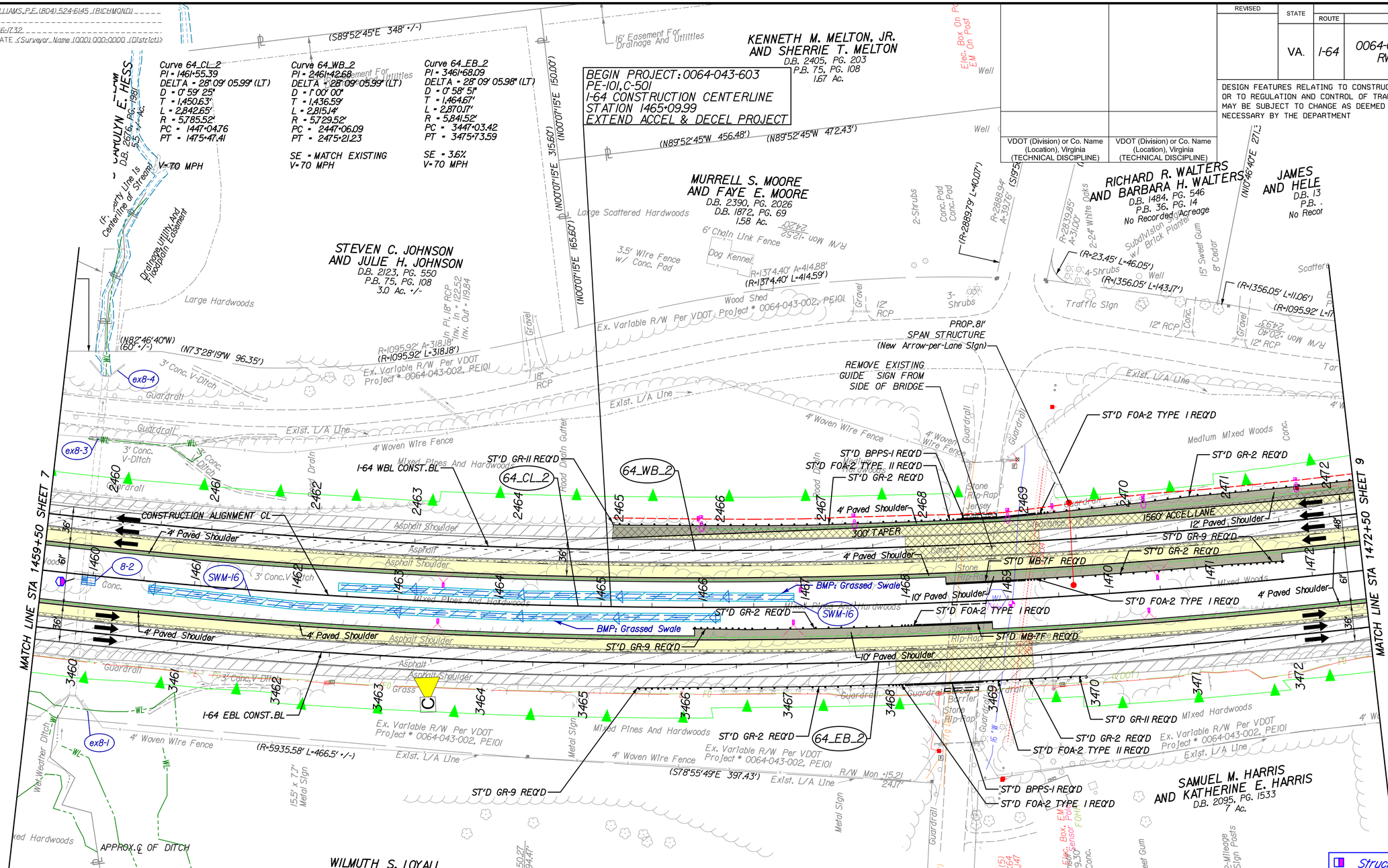
PROJECT MANAGER JASON WILLIAMS, P.E. (804) 524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP USA (757) 466-7732
SUBSURFACE UTILITY BY, DATE <Surveyor_Name (000) 000-0000 (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	8

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

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

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



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

Mainline Profile 8A

Structure To Be Abandoned
Structure To Be Removed
Pipe To Be Abandoned, Plugged & Filled
Pipe To Be Removed
Pay Limit For Abandoned Or Removed Pipe

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

LANE | WSP

SCALE 0 50' 100'

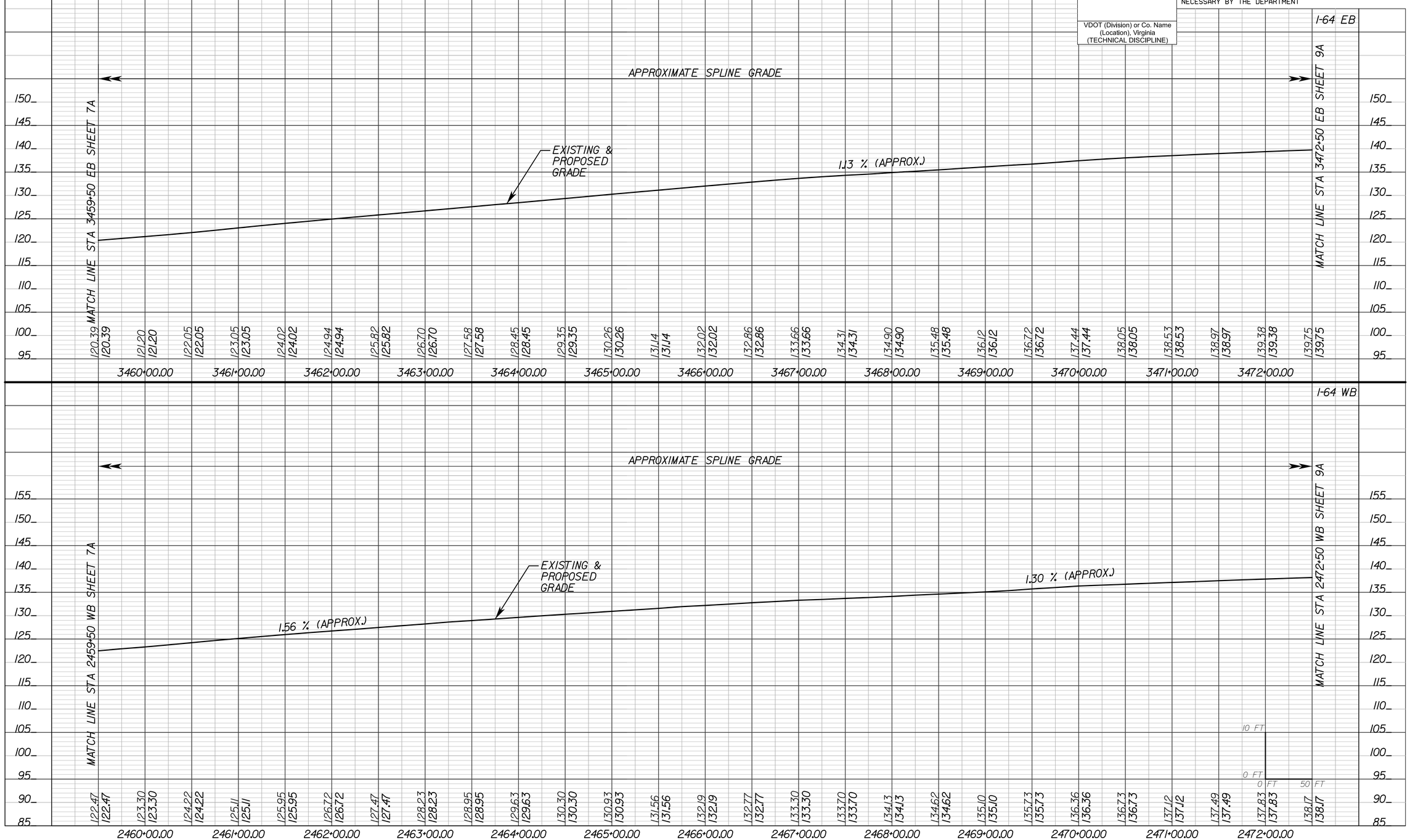
PROJECT	SHEET NO.
0064-043-602	8

PROJECT MANAGER<Project Mgr Name (000).000-0000. (District)>_____
SURVEYED BY, DATE<Surveyor Name (000).000-0000. (District)>_____
DESIGN BY WSP _Parsons_Brinckerhoff_(757) 466-1732 _____
SUBSURFACE UTILITY BY, DATE<Surveyor Name (000).000-0000. (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	8A

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

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



LANE | WSP

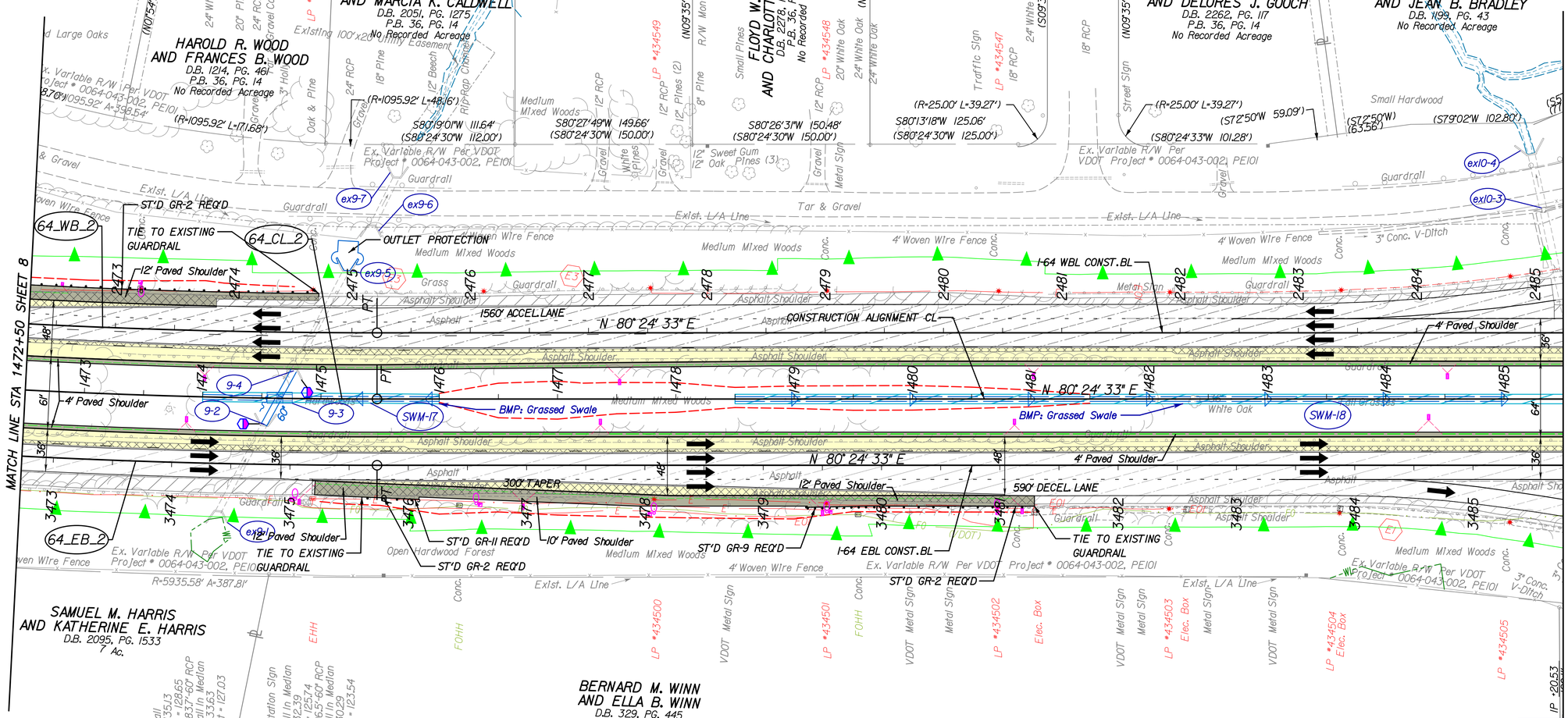
PROJECT	SHEET NO.
0064-043-602	

PROJECT MANAGER JASON WILLIAMS, P.E. (804) 524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP USA (757) 466-1732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000) 000-0000 (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	9

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

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



Structure To Be Abandoned
Structure To Be Removed
Pipe To Be Abandoned, Plugged & Filled
Pipe To Be Removed
Pay Limit For Abandoned Or Removed Pipe

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

Mainline Profile	9A

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

LANE | WSP

SCALE 0 50' 100'

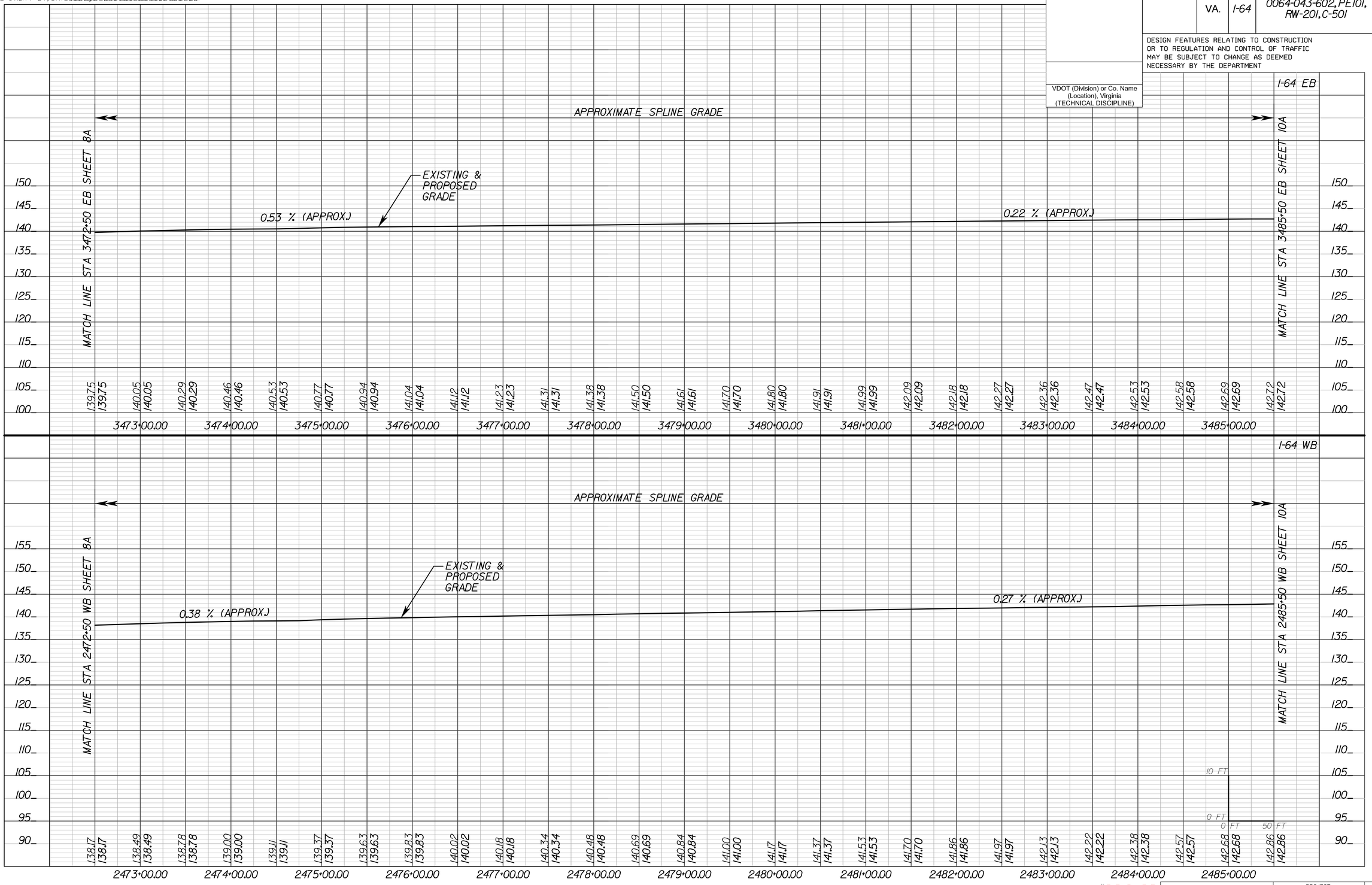
PROJECT	SHEET NO.
0064-043-602	9

PROJECT MANAGER<Project Mgr Name (000).000-0000. (District)>_____
SURVEYED BY, DATE<Surveyor Name (000).000-0000. (District)>_____
DESIGN BY WSP _Parsons_Brinckerhoff_(757) 466-1732 _____
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000).000-0000. (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	9A

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

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



LANE | WSP

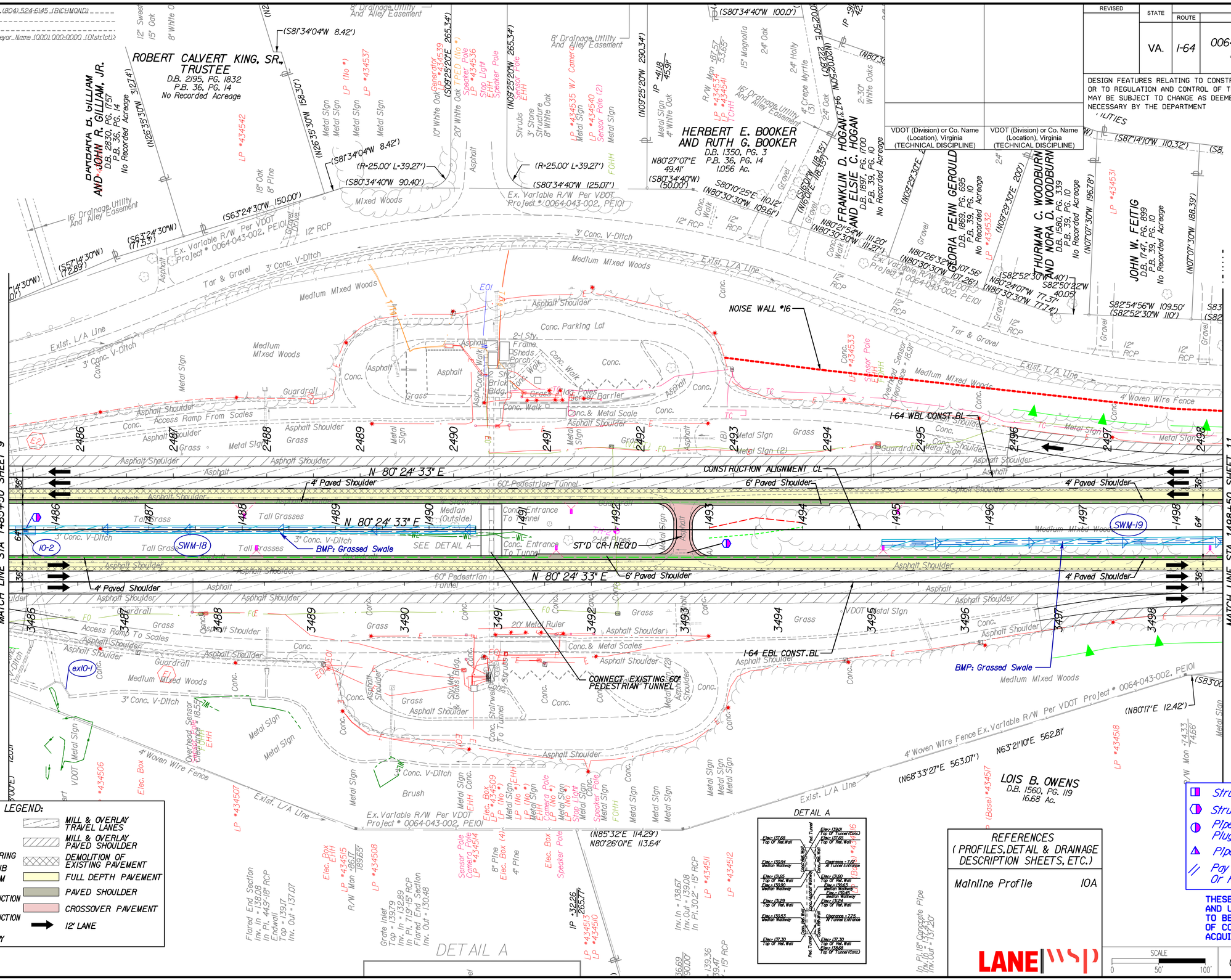
PROJECT	SHEET NO.
0064-043-602	9A

PROJECT MANAGER JASON WILLIAMS, P.E. (804) 524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP USA (757) 466-1732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000) 000-0000 (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	10

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

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



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

Mainline Profile 10A

Structure To Be Abandoned
Structure To Be Removed
Pipe To Be Abandoned, Plugged & Filled
Pipe To Be Removed
// Pay Limit For Abandoned Or Removed Pipe

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

LANE WSP

SCALE 0 50' 100'

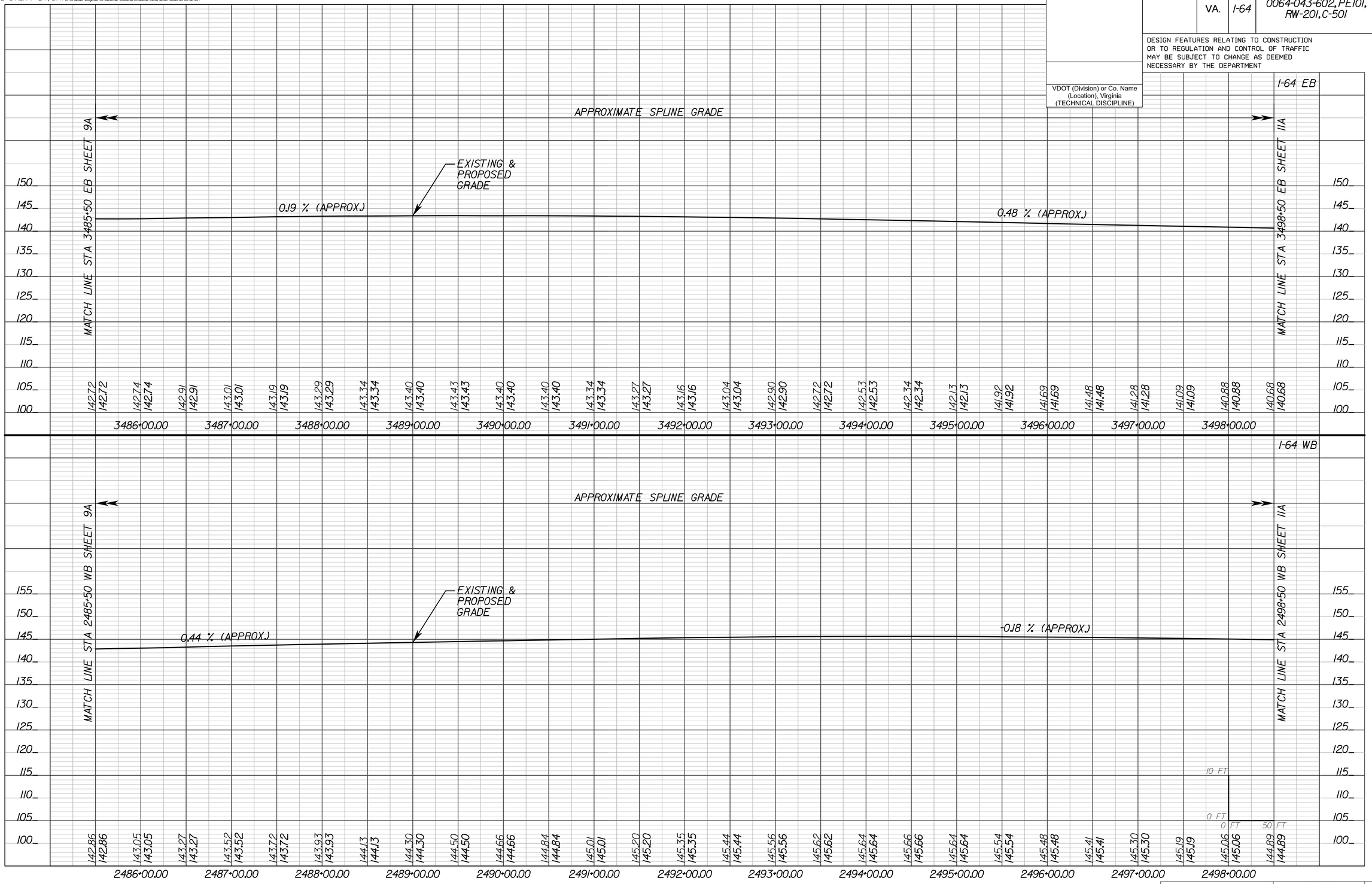
PROJECT	SHEET NO.
0064-043-602	10

PROJECT MANAGER <Project Mgr Name (000).000:0000. (District)>_____
SURVEYED BY, DATE <Surveyor Name (000).000:0000. (District)>_____
DESIGN BY WSP _ Parsons _ Brinckerhoff _ (757) 466:1732 _____
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000).000:0000. (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	10A

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

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



LANE | WSP

PROJECT	SHEET NO.
0064-043-602	10A

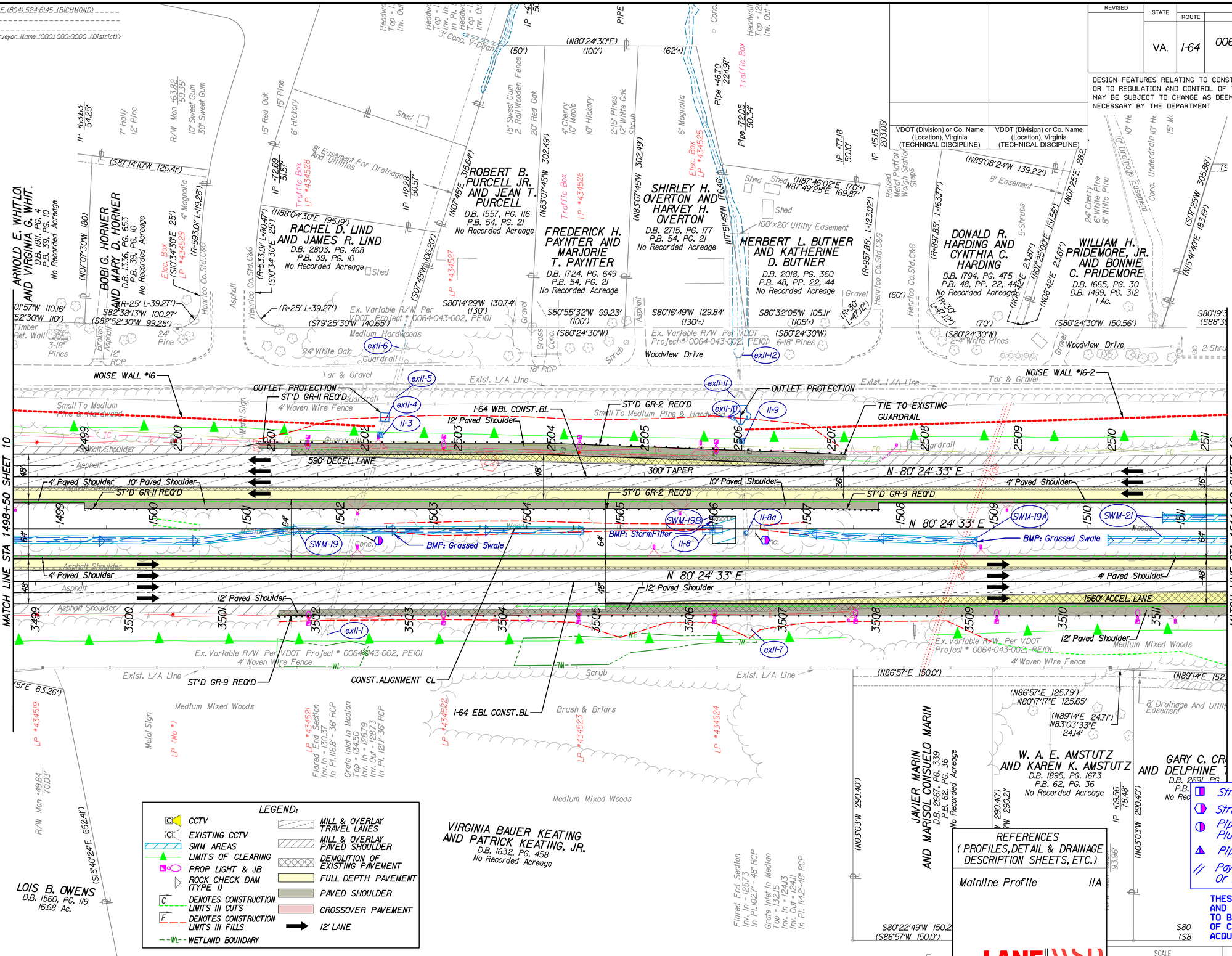
PROJECT MANAGER JASON WILLIAMS, P.E. (804) 524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP USA (757) 466-7732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000) 000-0000 (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	11

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

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

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



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

Mainline Profile 11A

- Structure To Be Abandoned
- Structure To Be Removed
- Pipe To Be Abandoned, Plugged & Filled
- Pipe To Be Removed
- // Pay Limit For Abandoned Or Removed Pipe

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

LANE WSP

SCALE 0 50' 100'

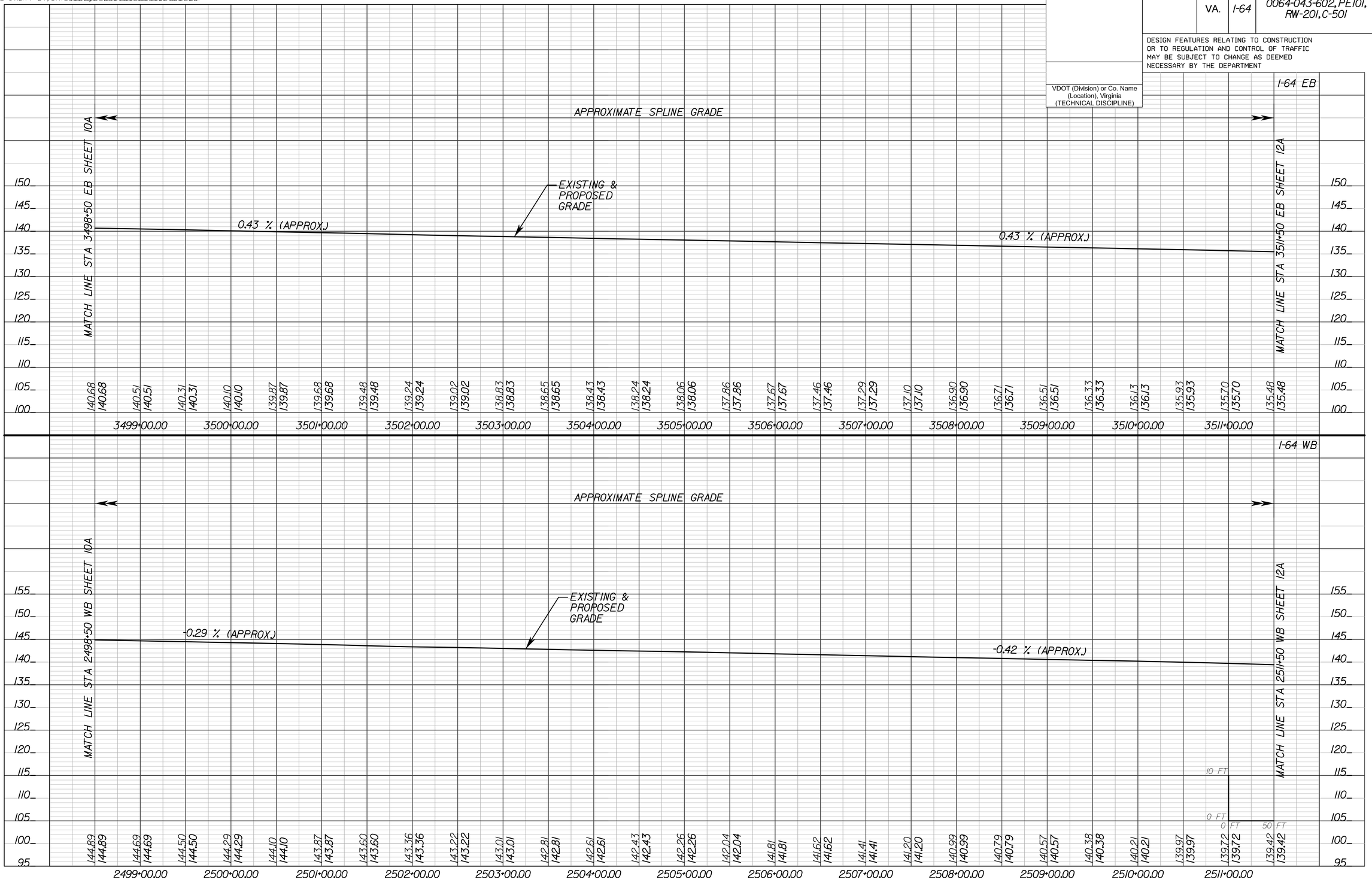
PROJECT	SHEET NO.
0064-043-602	11

PROJECT MANAGER <Project Mgr Name (000).000-0000. (District)>_____
SURVEYED BY, DATE <Surveyor Name (000).000-0000. (District)>_____
DESIGN BY WSP _ Parsons _ Brinckerhoff _ (757) 466-1732 _____
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000).000-0000. (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	11A

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

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



LANE | WSP

PROJECT	SHEET NO.
0064-043-602	11A

PROJECT MANAGER JASON WILLIAMS, P.E. (804) 524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP USA (757) 466-1732
SUBSURFACE UTILITY BY, DATE

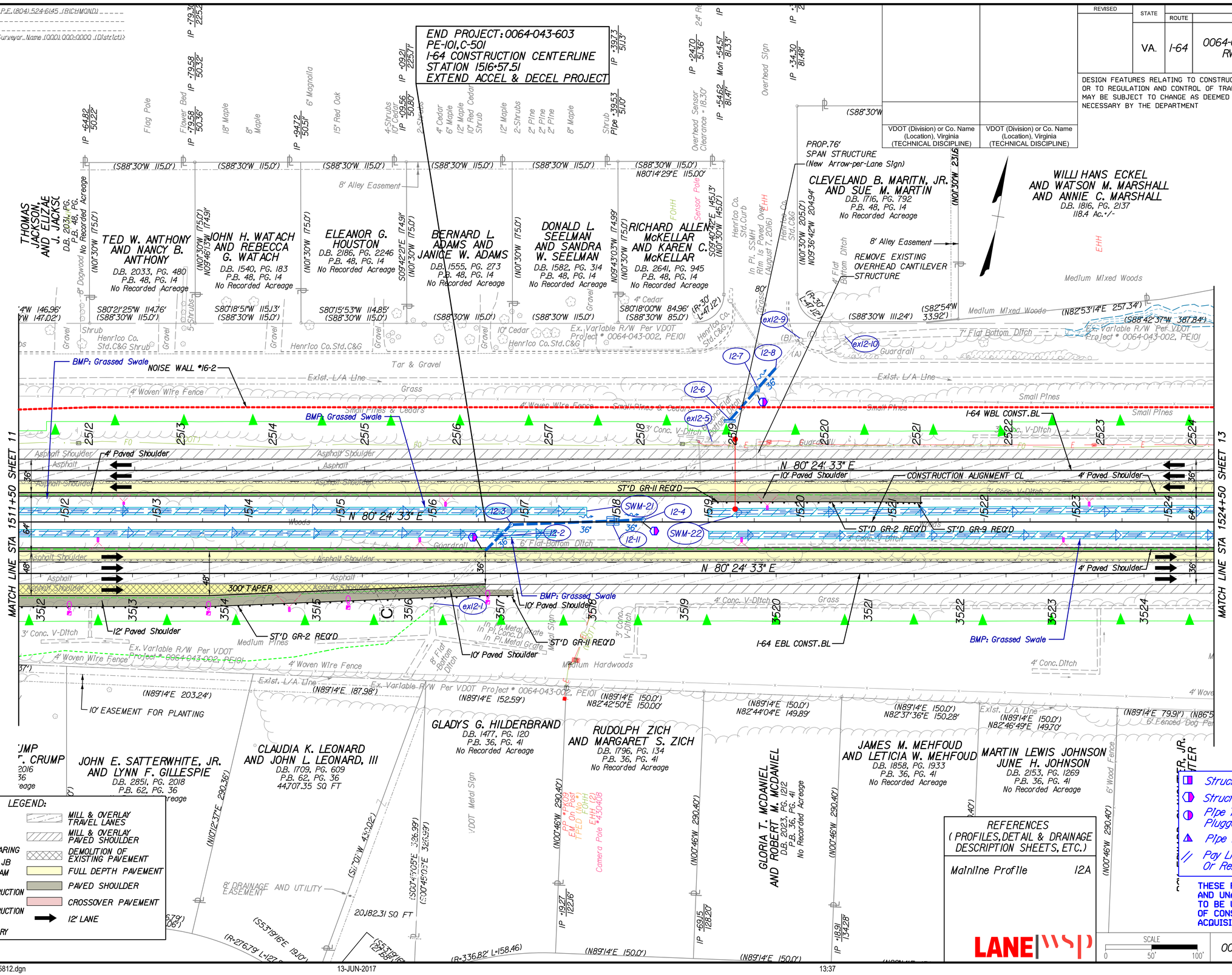
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	12

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

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

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

END PROJECT: 0064-043-603
PE-101, C-501
I-64 CONSTRUCTION CENTERLINE
STATION 1516+57.51
EXTEND ACCEL & DECEL PROJECT



LEGEND:

- CCTV
- EXISTING CCTV
- SWM AREAS
- LIMITS OF CLEARING
- PROP LIGHT & JB
- ROCK CHECK DAM (TYPE I)
- C — DENOTES CONSTRUCTION LIMITS IN CUTS
- F — DENOTES CONSTRUCTION LIMITS IN FILLS
- WL — WETLAND BOUNDARY
- MILL & OVERLAY TRAVEL LANES
- MILL & OVERLAY PAVED SHOULDER
- DEMOLITION OF EXISTING PAVEMENT
- FULL DEPTH PAVEMENT
- PAVED SHOULDER
- CROSSOVER PAVEMENT
- 12' LANE

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

Mainline Profile 12A

- Structure To Be Abandoned
- Structure To Be Removed
- Pipe To Be Abandoned, Plugged & Filled
- Pipe To Be Removed
- Pay Limit For Abandoned Or Removed Pipe

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

LANE WSP

SCALE 0 50' 100'

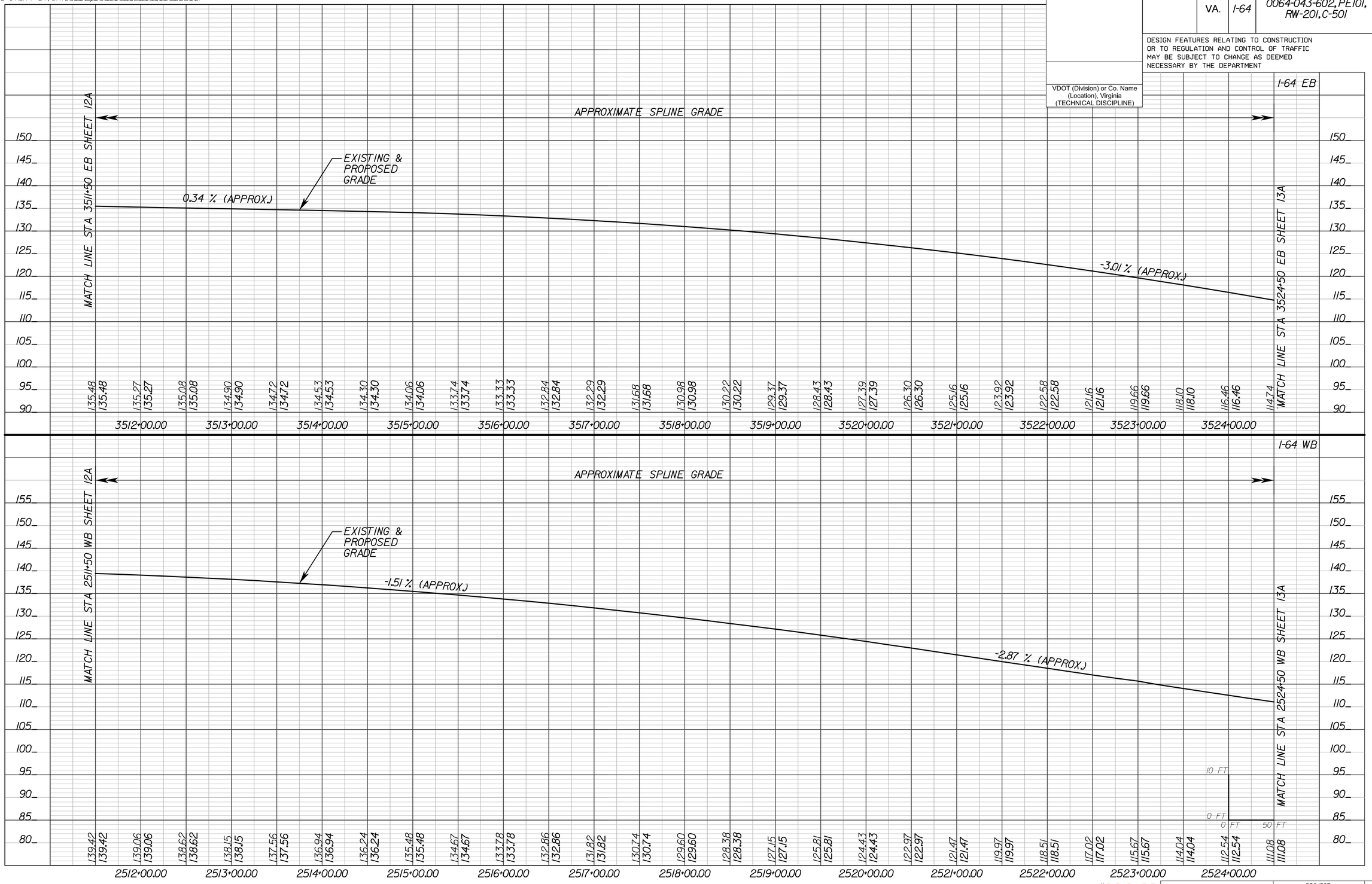
PROJECT	SHEET NO.
0064-043-602	12

PROJECT MANAGER<Project Mgr Name (000).000:0000. (District)>_____
SURVEYED BY, DATE<Surveyor Name (000).000:0000. (District)>_____
DESIGN BY WSP _ Parsons _Brinckerhoff _(757) 466:1732 _____
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000).000:0000. (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	12A

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

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



LANE | WSP

PROJECT	SHEET NO.
0064-043-602	12A

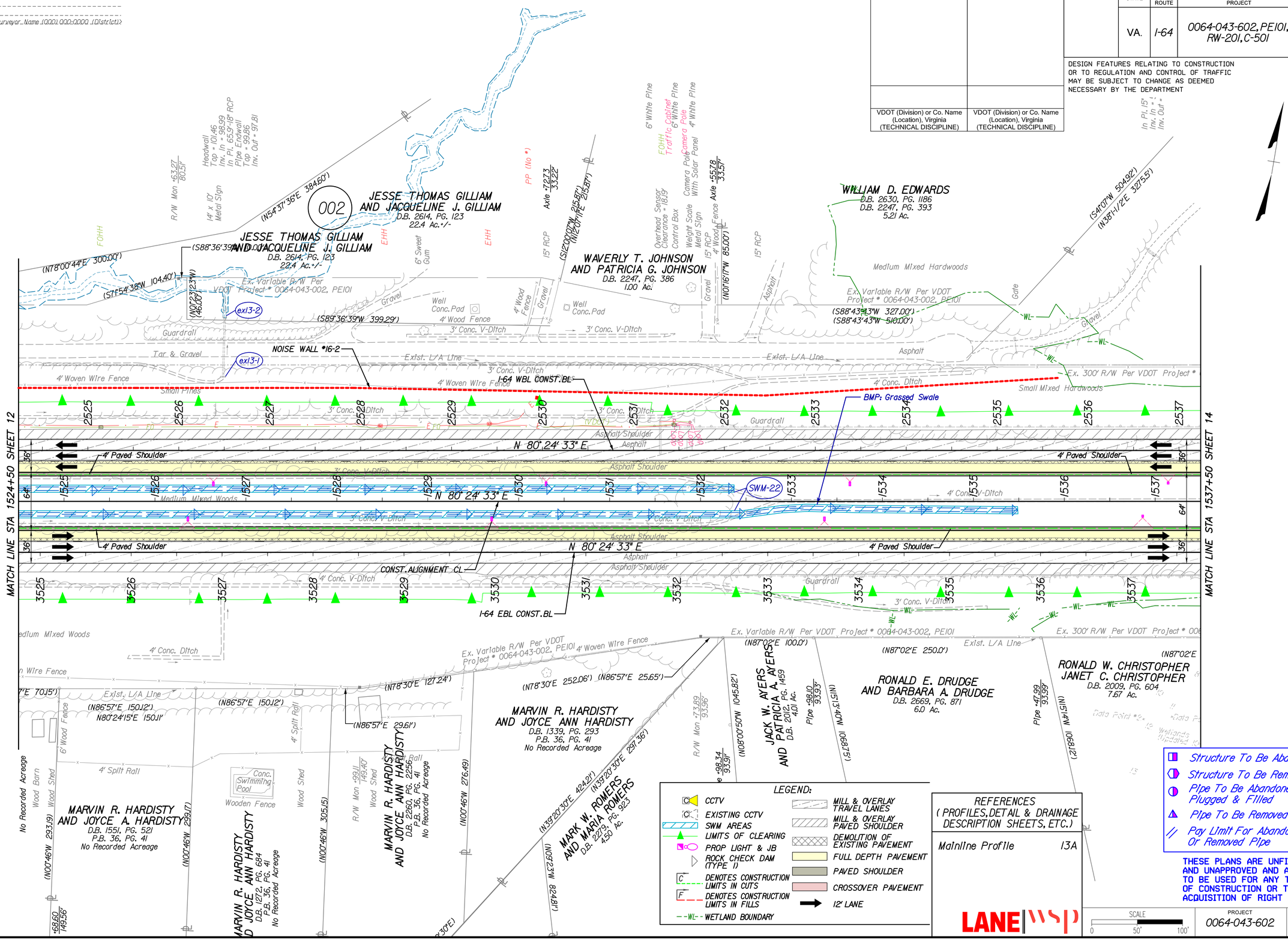
PROJECT MANAGER JASON WILLIAMS,P.E.(804)524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP USA (757) 466-7732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000) 000-0000 (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602,PE101, RW-201,C-501	13

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

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

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



LEGEND:

- CCTV
- EXISTING CCTV
- SWM AREAS
- LIMITS OF CLEARING
- PROP LIGHT & JB
- ROCK CHECK DAM (TYPE I)
- DENOTES CONSTRUCTION LIMITS IN CUTS
- DENOTES CONSTRUCTION LIMITS IN FILLS
- WETLAND BOUNDARY
- MILL & OVERLAY TRAVEL LANES
- MILL & OVERLAY PAVED SHOULDER
- DEMOLITION OF EXISTING PAVEMENT
- FULL DEPTH PAVEMENT
- PAVED SHOULDER
- CROSSOVER PAVEMENT
- 12' LANE

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

Mainline Profile 13A

- Structure To Be Abandoned
- Structure To Be Removed
- Pipe To Be Abandoned, Plugged & Filled
- Pipe To Be Removed
- Pay Limit For Abandoned Or Removed Pipe

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

LANE | WSP

SCALE 0 50' 100'

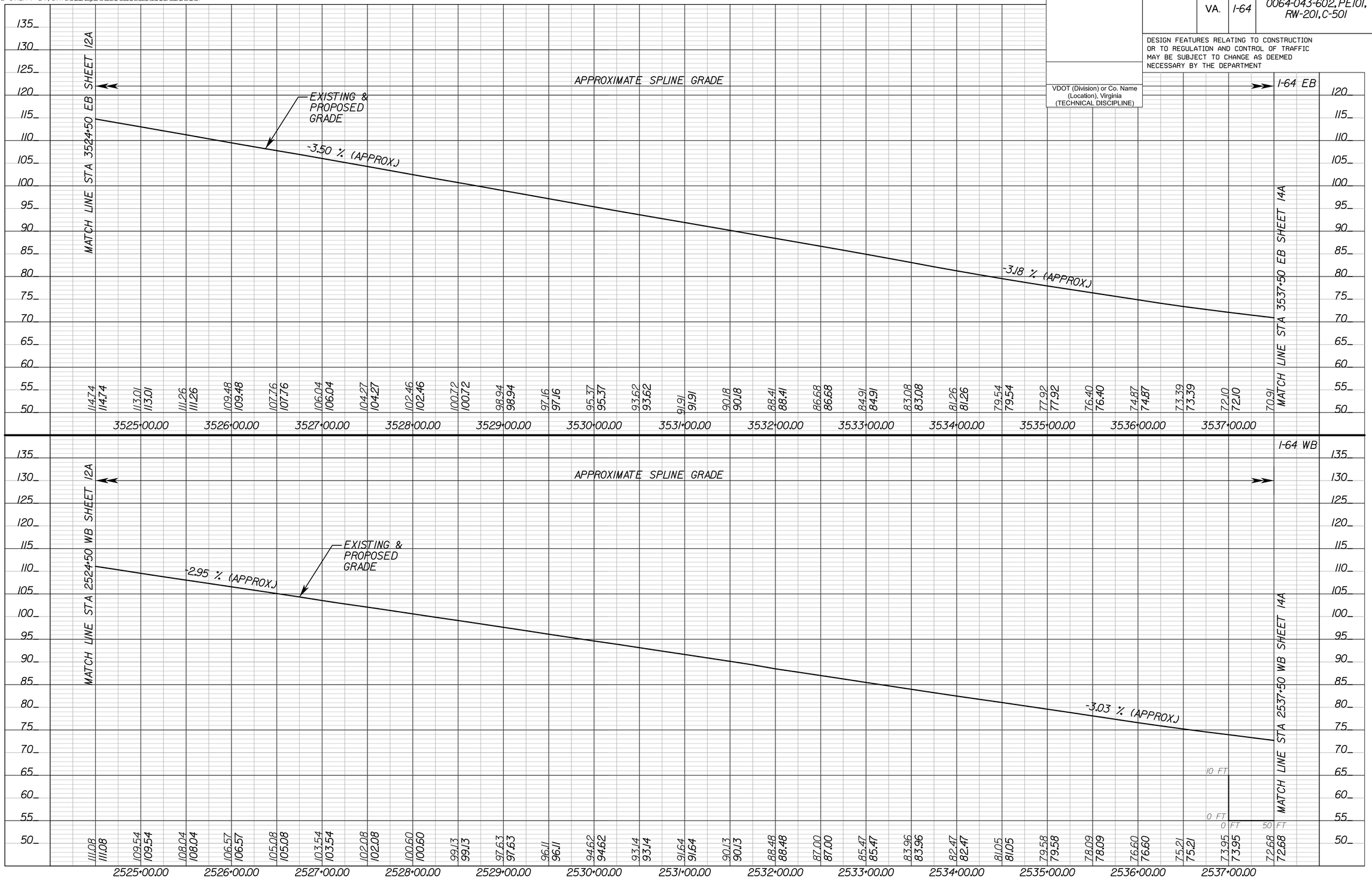
PROJECT	SHEET NO.
0064-043-602	13

PROJECT MANAGER <Project Mgr Name (000).000-0000. (District)>_____
SURVEYED BY, DATE <Surveyor Name (000).000-0000. (District)>_____
DESIGN BY WSP _Parsons_Brinckerhoff_(757) 466-1732 _____
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000).000-0000. (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	13A

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

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



LANE | WSP

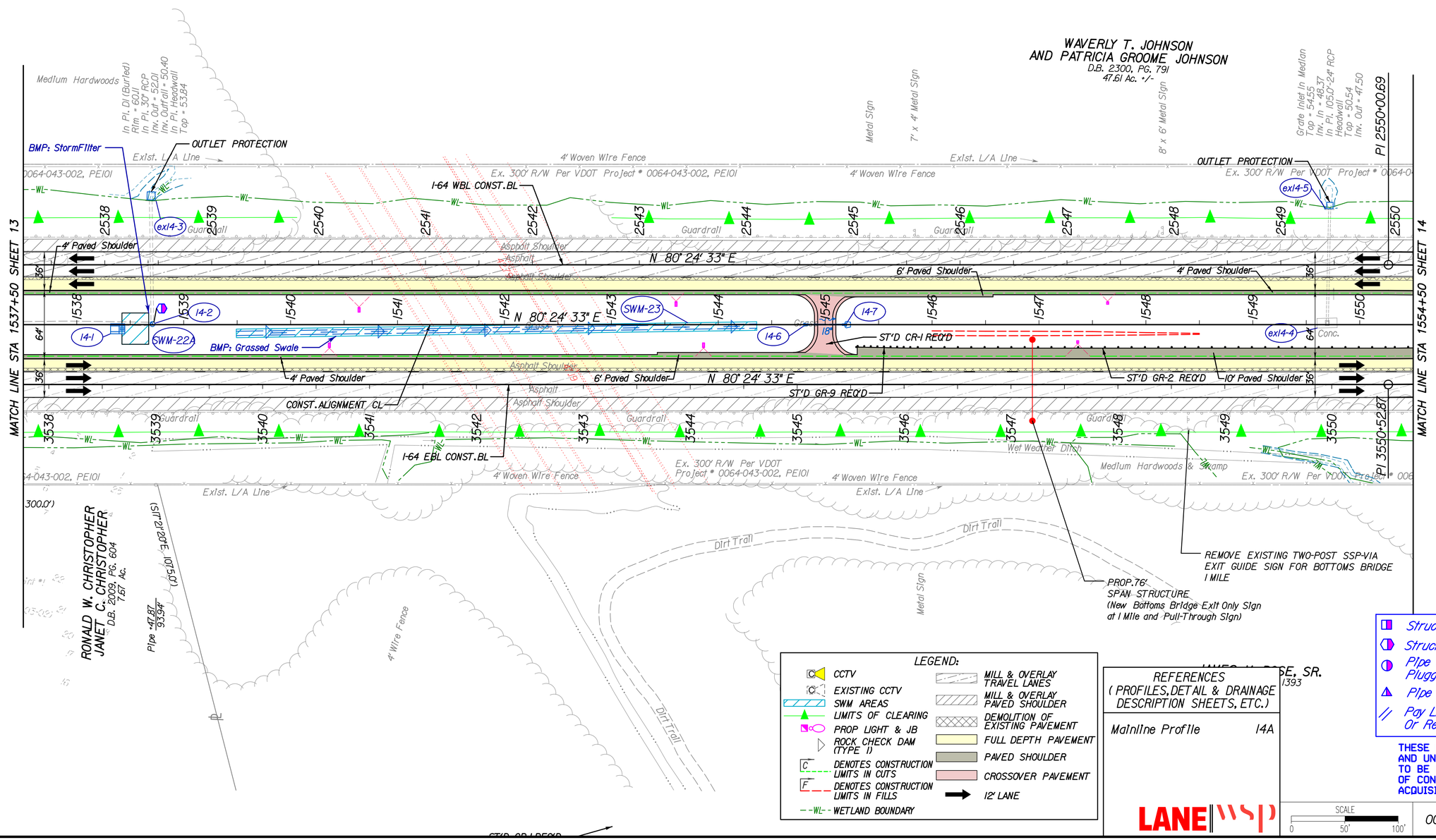
PROJECT	SHEET NO.
0064-043-602	13A

PROJECT MANAGER JASON WILLIAMS,P.E. (804) 524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP (USA) (757) 466-7732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000) 000-0000 (District)>

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	14

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



LEGEND:

- CCTV
- EXISTING CCTV
- SWM AREAS
- LIMITS OF CLEARING
- PROP LIGHT & JB
- ROCK CHECK DAM (TYPE I)
- C — DENOTES CONSTRUCTION LIMITS IN CUTS
- F — DENOTES CONSTRUCTION LIMITS IN FILLS
- WL — WETLAND BOUNDARY
- MILL & OVERLAY TRAVEL LANES
- MILL & OVERLAY PAVED SHOULDER
- DEMOLITION OF EXISTING PAVEMENT
- FULL DEPTH PAVEMENT
- PAVED SHOULDER
- CROSSOVER PAVEMENT
- 12' LANE

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

Mainline Profile	14A

- Structure To Be Abandoned
- Structure To Be Removed
- Pipe To Be Abandoned, Plugged & Filled
- Pipe To Be Removed
- // Pay Limit For Abandoned Or Removed Pipe

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

LANE WSP

SCALE 0 50' 100'

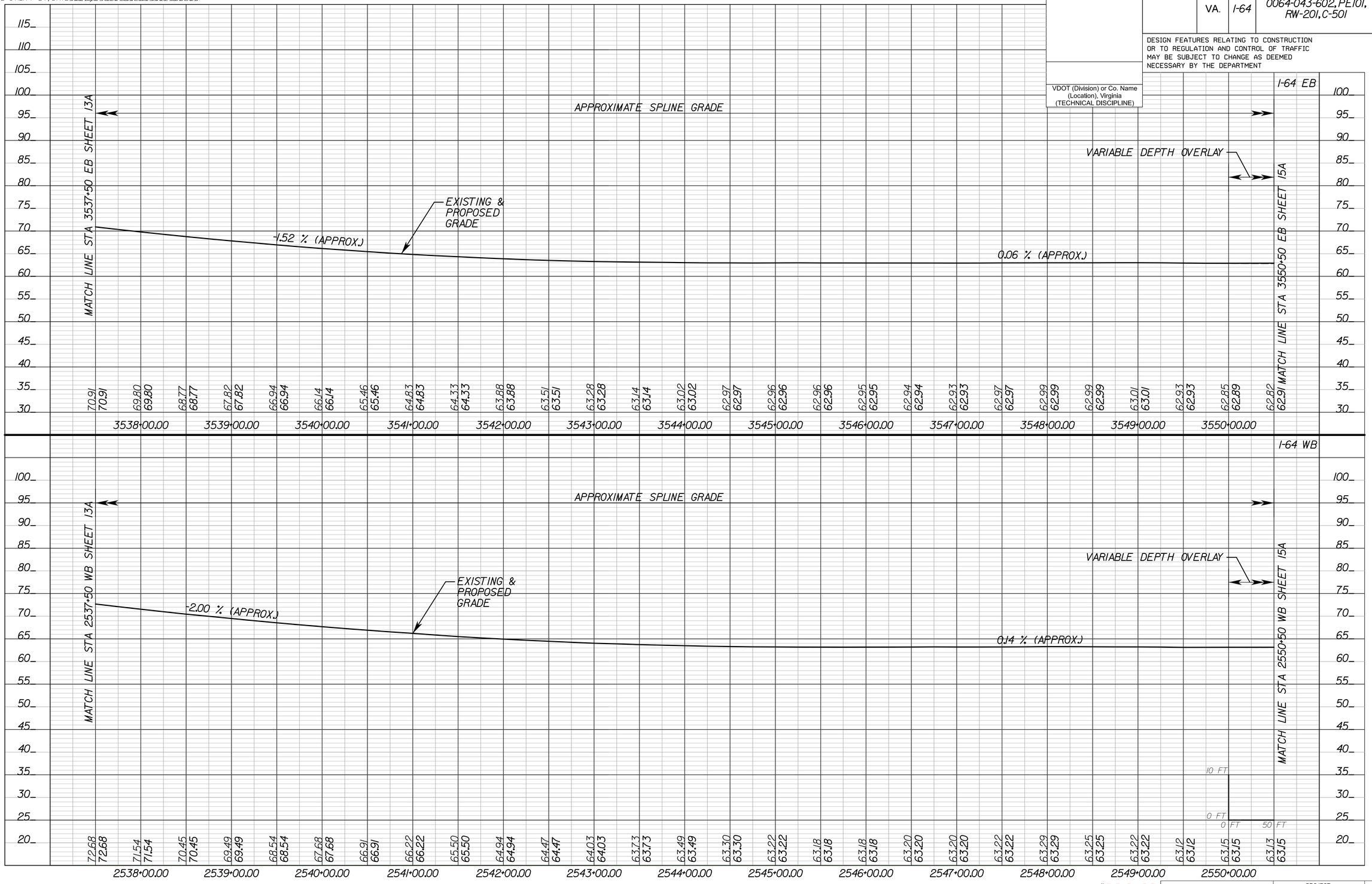
PROJECT	SHEET NO.
0064-043-602	14

PROJECT MANAGER<Project Mgr Name (000).000-0000. (District)>_____
SURVEYED BY, DATE<Surveyor Name (000).000-0000. (District)>_____
DESIGN BY WSP _Parsons_Brinckerhoff_(757) 466-1732 _____
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000).000-0000. (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	14A

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

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



LANE | WSP

PROJECT	SHEET NO.
0064-043-602	14A

PROJECT MANAGER JASON WILLIAMS, P.E. (804) 524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP USA (757) 466-7732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000) 000-0000 (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501 B-624, B-625	15

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

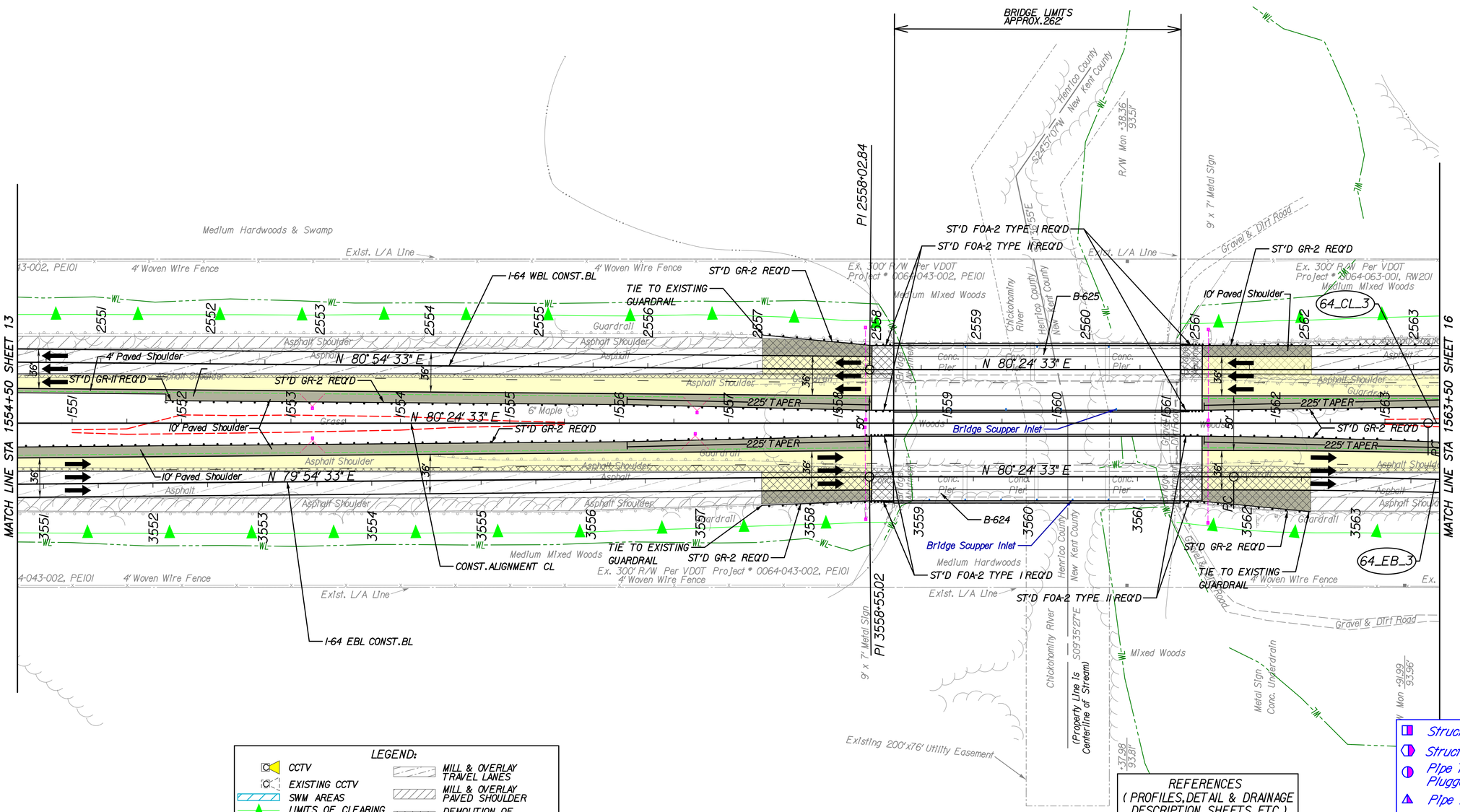
VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)	VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)

Curve 64_CL_3
PI = 1572+60.18
DELTA = 18° 15' 29.00" (RT)
D = 1° 00' 00"
T = 920.70'
L = 1,825.79'
R = 5,729.52'
PC = 1563+39.49
PT = 1581+65.27

V = 70 MPH

Curve 64_EB_3
PI = 3565+23.30
DELTA = 5° 08' 25.49" (RT)
D = 0° 46' 01"
T = 335.32'
L = 670.19'
R = 7,470.00'
PC = 3561+87.98
PCC = 3568+58.17

SE = MATCH EXISTING
V = 70 MPH



LEGEND:

- CCTV
- EXISTING CCTV
- SWM AREAS
- LIMITS OF CLEARING
- PROP LIGHT & JB
- ROCK CHECK DAM (TYPE I)
- C — DENOTES CONSTRUCTION LIMITS IN CUTS
- F — DENOTES CONSTRUCTION LIMITS IN FILLS
- WETLAND BOUNDARY
- MILL & OVERLAY TRAVEL LANES
- MILL & OVERLAY PAVED SHOULDER
- DEMOLITION OF EXISTING PAVEMENT
- FULL DEPTH PAVEMENT
- PAVED SHOULDER
- CROSSOVER PAVEMENT
- 12' LANE

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

Mainline Profile 15A

- Structure To Be Abandoned
- Structure To Be Removed
- Pipe To Be Abandoned, Plugged & Filled
- Pipe To Be Removed
- // Pay Limit For Abandoned Or Removed Pipe

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

LANE | WSP

SCALE 0 50' 100'

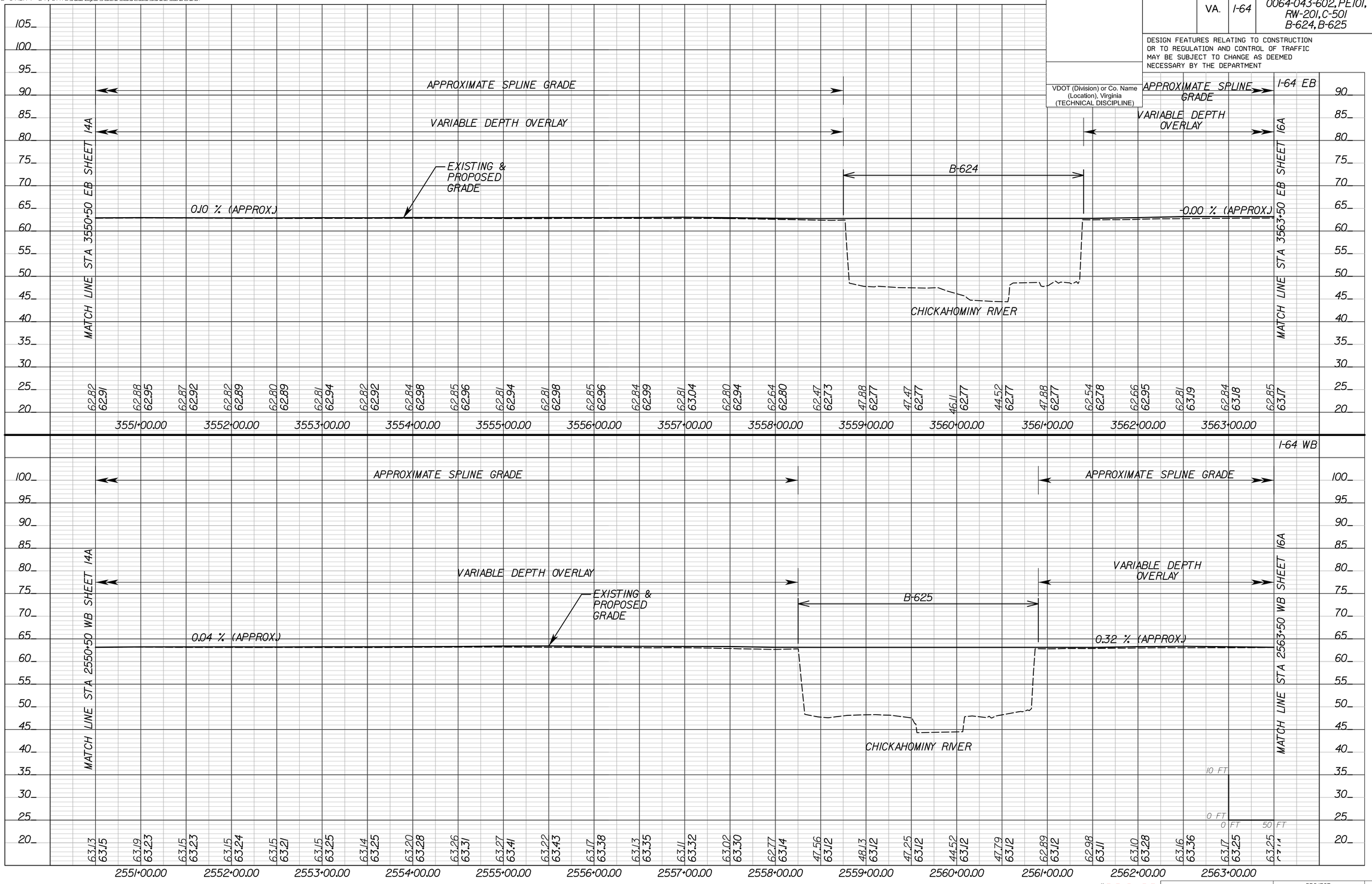
PROJECT	SHEET NO.
0064-043-602	15

PROJECT MANAGER <Project Mgr Name (000).000:0000. (District)>
SURVEYED BY, DATE <Surveyor Name (000).000:0000. (District)>
DESIGN BY WSP _ Parsons _ Brinckerhoff _ (757) 466:1732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000).000:0000. (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501 B-624, B-625	15A

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

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



LANE | WSP

PROJECT	SHEET NO.
0064-043-602	15A

PROJECT MANAGER JASON WILLIAMS, P.E. (804) 524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP (USA) (757) 466-7732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000) 000-0000 (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	16

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

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

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

Curve 64_CL_3
PI = 1572+60.18
DELTA = 18° 15' 29.00" (RT)
D = 1° 00' 00"
T = 920.70'
L = 1,825.79'
R = 5,729.52'
PC = 1563+39.49
PT = 1581+65.27

V = 70 MPH

Curve 64_EB_3
PI = 3565+23.30
DELTA = 5° 08' 25.49" (RT)
D = 0° 46' 01"
T = 335.32'
L = 670.19'
R = 7,470.00'
PC = 3561+87.98
PCC = 3568+58.17

SE = MATCH EXISTING
V = 70 MPH

Curve 64_WB_3
PI = 2567+40.93
DELTA = 6° 57' 41.30" (RT)
D = 1° 11' 55"
T = 290.74'
L = 580.77'
R = 4,780.00'
PC = 2564+50.19
PCC = 2570+30.96

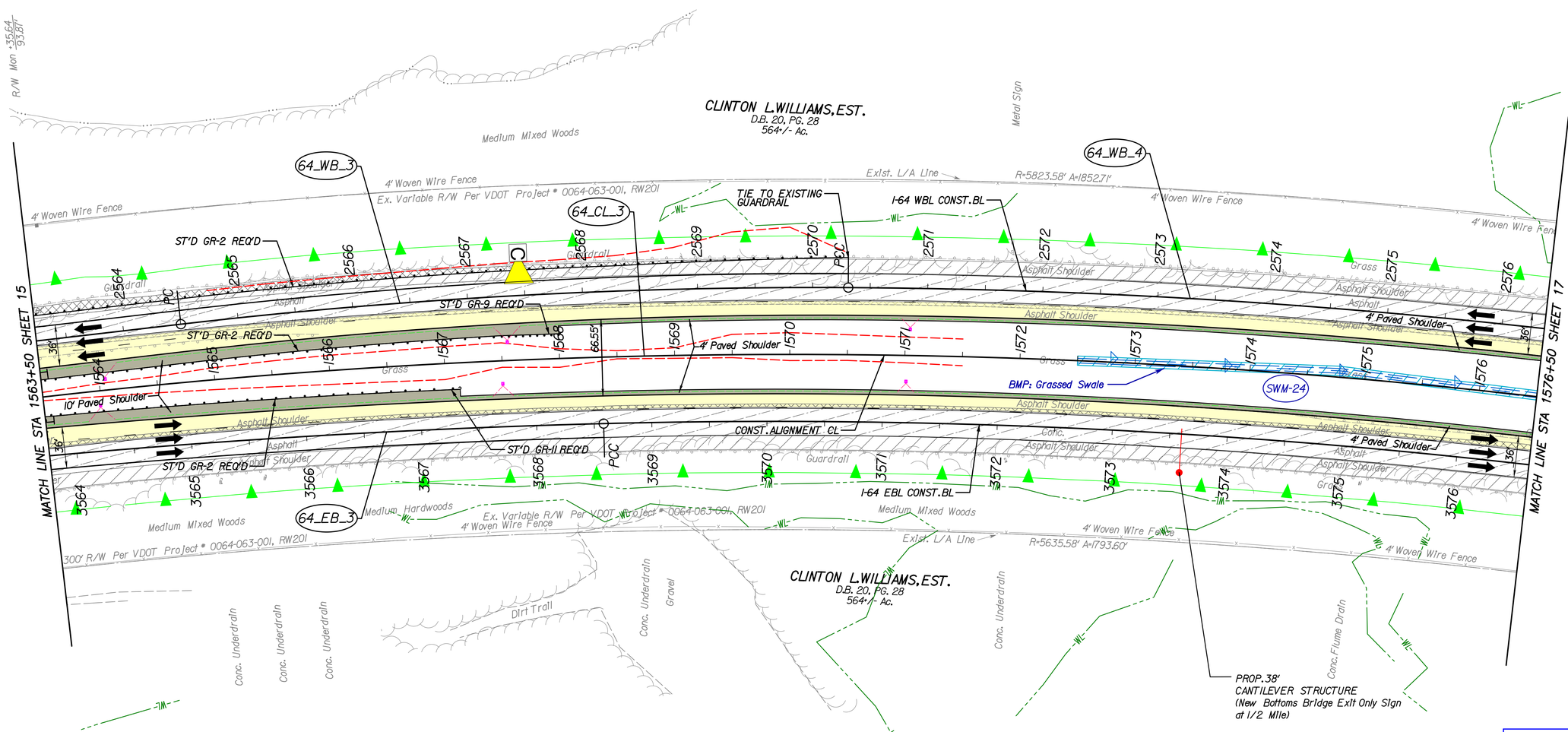
SE = 4.3%
V = 70 MPH

Curve 64_EB_4
PI = 3575+16.92
DELTA = 13° 07' 03.50" (RT)
D = 1° 00' 00"
T = 658.76'
L = 1,311.75'
R = 5,729.52'
PCC = 3568+58.17
PT = 3581+69.92

SE = MATCH EXISTING
V = 70 MPH

Curve 64_WB_4
PI = 2575+97.62
DELTA = 11° 17' 47.70" (RT)
D = 1° 00' 00"
T = 566.66'
L = 1,129.65'
R = 5,729.52'
PCC = 2570+30.96
PT = 2581+60.61

SE = 3.6%
V = 70 MPH



LEGEND:

- CCTV
- EXISTING CCTV
- SWM AREAS
- LIMITS OF CLEARING
- PROP LIGHT & JB
- ROCK CHECK DAM (TYPE I)
- C DENOTES CONSTRUCTION LIMITS IN CUTS
- F DENOTES CONSTRUCTION LIMITS IN FILLS
- WL WETLAND BOUNDARY
- MILL & OVERLAY TRAVEL LANES
- MILL & OVERLAY PAVED SHOULDER
- DEMOLITION OF EXISTING PAVEMENT
- FULL DEPTH PAVEMENT
- PAVED SHOULDER
- CROSSOVER PAVEMENT
- 12' LANE

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

Mainline Profile 16A

- Structure To Be Abandoned
- Structure To Be Removed
- Pipe To Be Abandoned, Plugged & Filled
- Pipe To Be Removed
- // Pay Limit For Abandoned Or Removed Pipe

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

LANE | WSP

SCALE 0 50' 100'

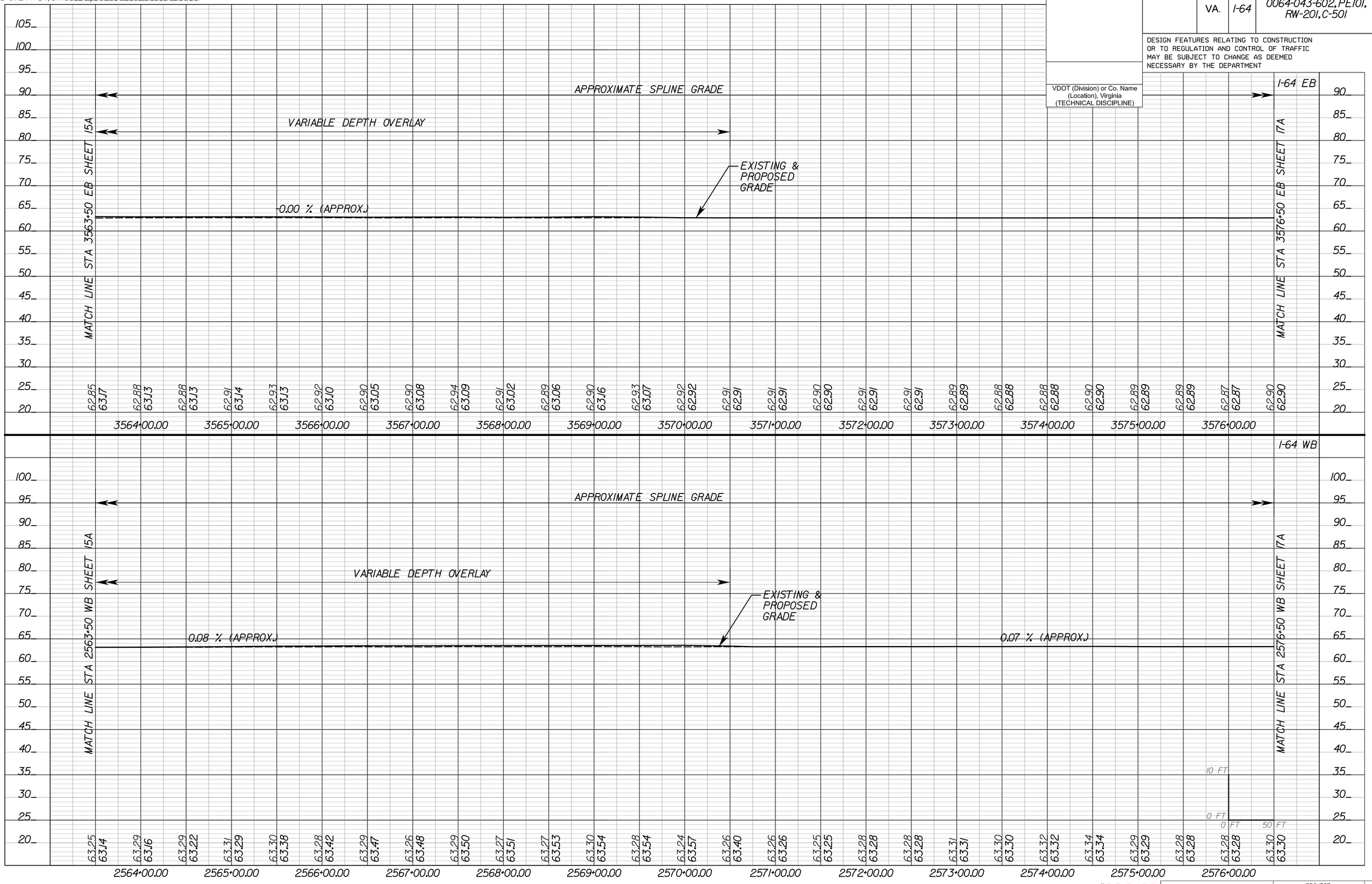
PROJECT	SHEET NO.
0064-043-602	16

PROJECT MANAGER <Project Mgr Name (000).000:0000. (District)>
SURVEYED BY, DATE <Surveyor Name (000).000:0000. (District)>
DESIGN BY WSP _ Parsons _ Brinckerhoff _ (757) 466:1732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000).000:0000. (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	16A

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

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



LANE | WSP

PROJECT	SHEET NO.
0064-043-602	16A

PROJECT MANAGER JASON WILLIAMS,P.E.(804)524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP USA (757) 466-7732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000) 000-0000 (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	17

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

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

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

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L = 1,825.79'
R = 5,729.52'
PC = 1563+39.49
PT = 1581+65.27

V=70 MPH

Curve 64_EB_4
PI = 3575+16.92
DELTA = 13° 07' 03.50" (RT)
D = 1° 00' 00"
T = 658.76'
L = 1,311.75'
R = 5,729.52'
PCC = 3568+58.17
PT = 3581+69.92

SE = MATCH EXISTING
V=70 MPH

Curve 64_WB_4
PI = 2575+97.62
DELTA = 11° 17' 47.70" (RT)
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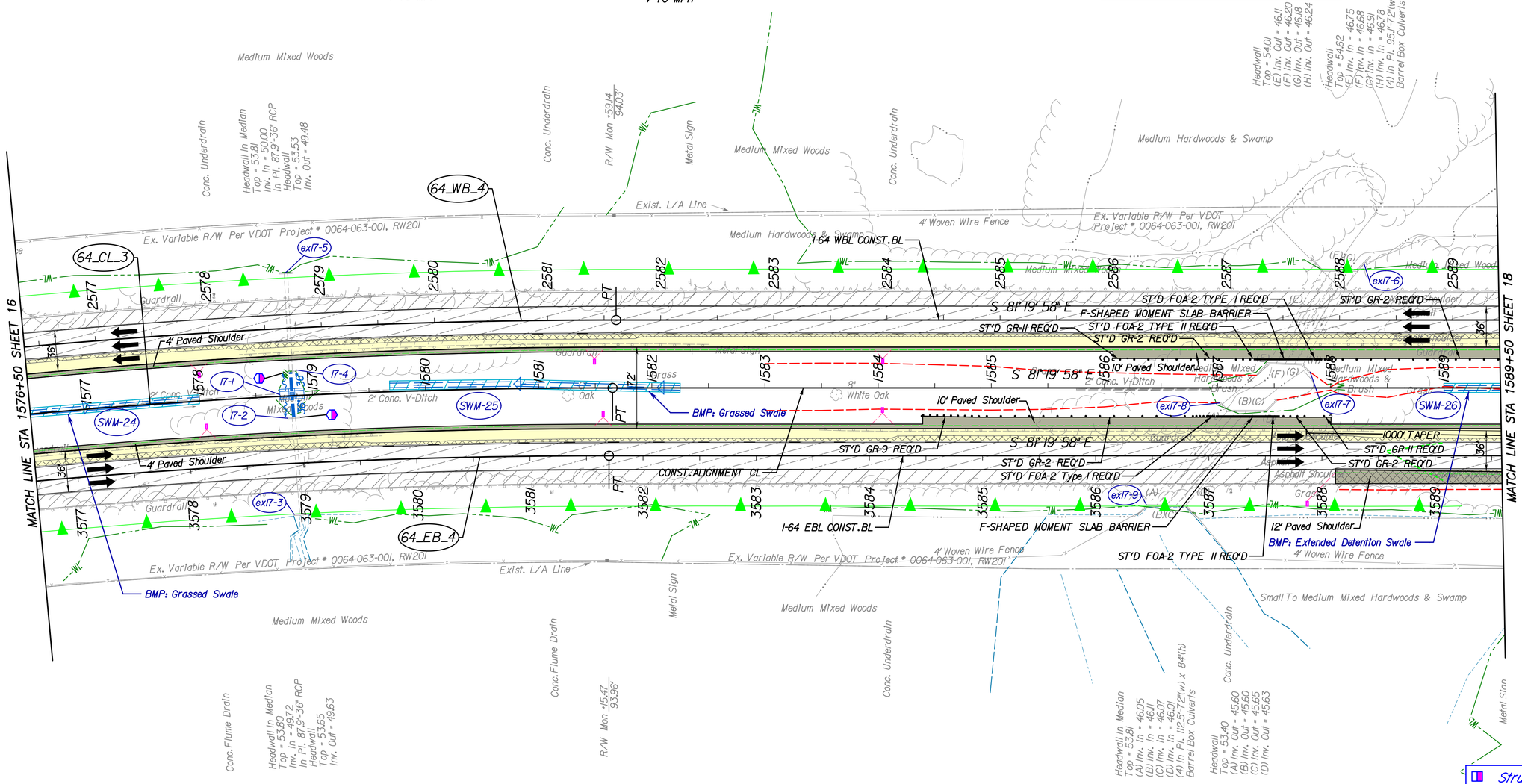
T = 566.66'
L = 1,129.65'
R = 5,729.52'
PCC = 2570+30.96
PT = 2581+60.61

SE = 3.6%
V=70 MPH



LEGEND:

- CCTV
- EXISTING CCTV
- SWM AREAS
- LIMITS OF CLEARING
- PROP LIGHT & JB
- ROCK CHECK DAM (TYPE I)
- DENOTES CONSTRUCTION LIMITS IN CUTS
- DENOTES CONSTRUCTION LIMITS IN FILLS
- WETLAND BOUNDARY
- MILL & OVERLAY TRAVEL LANES
- MILL & OVERLAY PAVED SHOULDER
- DEMOLITION OF EXISTING PAVEMENT
- FULL DEPTH PAVEMENT
- PAVED SHOULDER
- CROSSOVER PAVEMENT
- 12' LANE

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

Mainline Profile 17A

- Structure To Be Abandoned
- Structure To Be Removed
- Pipe To Be Abandoned, Plugged & Filled
- Pipe To Be Removed
- Pay Limit For Abandoned Or Removed Pipe

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

LANE WSP

SCALE 0 50' 100'

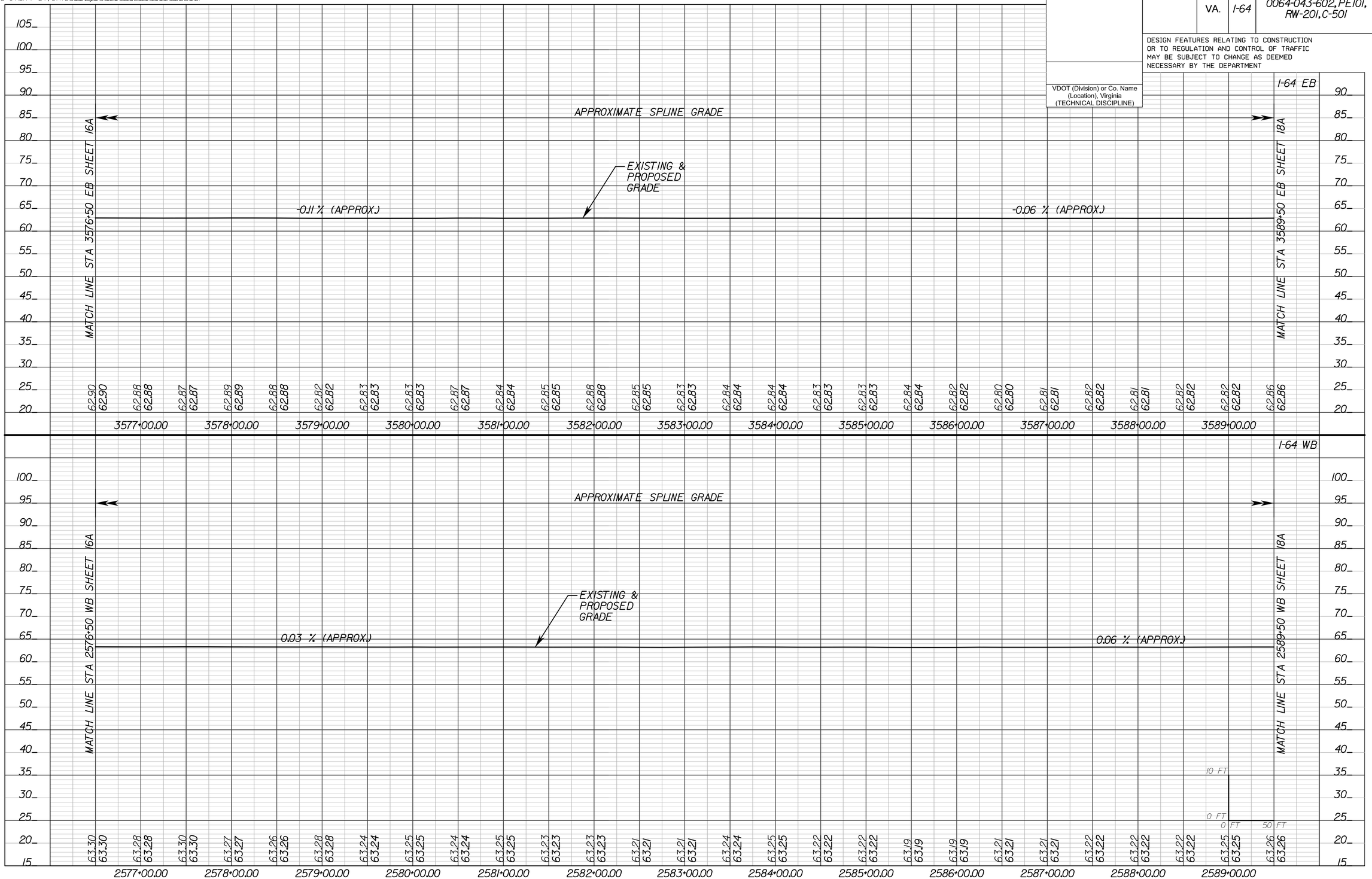
PROJECT	SHEET NO.
0064-043-602	17

PROJECT MANAGER <Project Mgr Name (000).000-0000 (District)>
SURVEYED BY, DATE <Surveyor Name (000).000-0000 (District)>
DESIGN BY WSP - Parsons Brinckerhoff (757) 466-1732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000).000-0000 (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	17A

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

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



LANE WSP

PROJECT	SHEET NO.
0064-043-602	17A

PROJECT MANAGER JASON WILLIAMS, P.E. (804) 524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP USA (757) 466-7732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000) 000-0000 (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	18

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

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

LEGEND:

- CCTV
- EXISTING CCTV
- SWM AREAS
- LIMITS OF CLEARING
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- DENOTES CONSTRUCTION LIMITS IN CUTS
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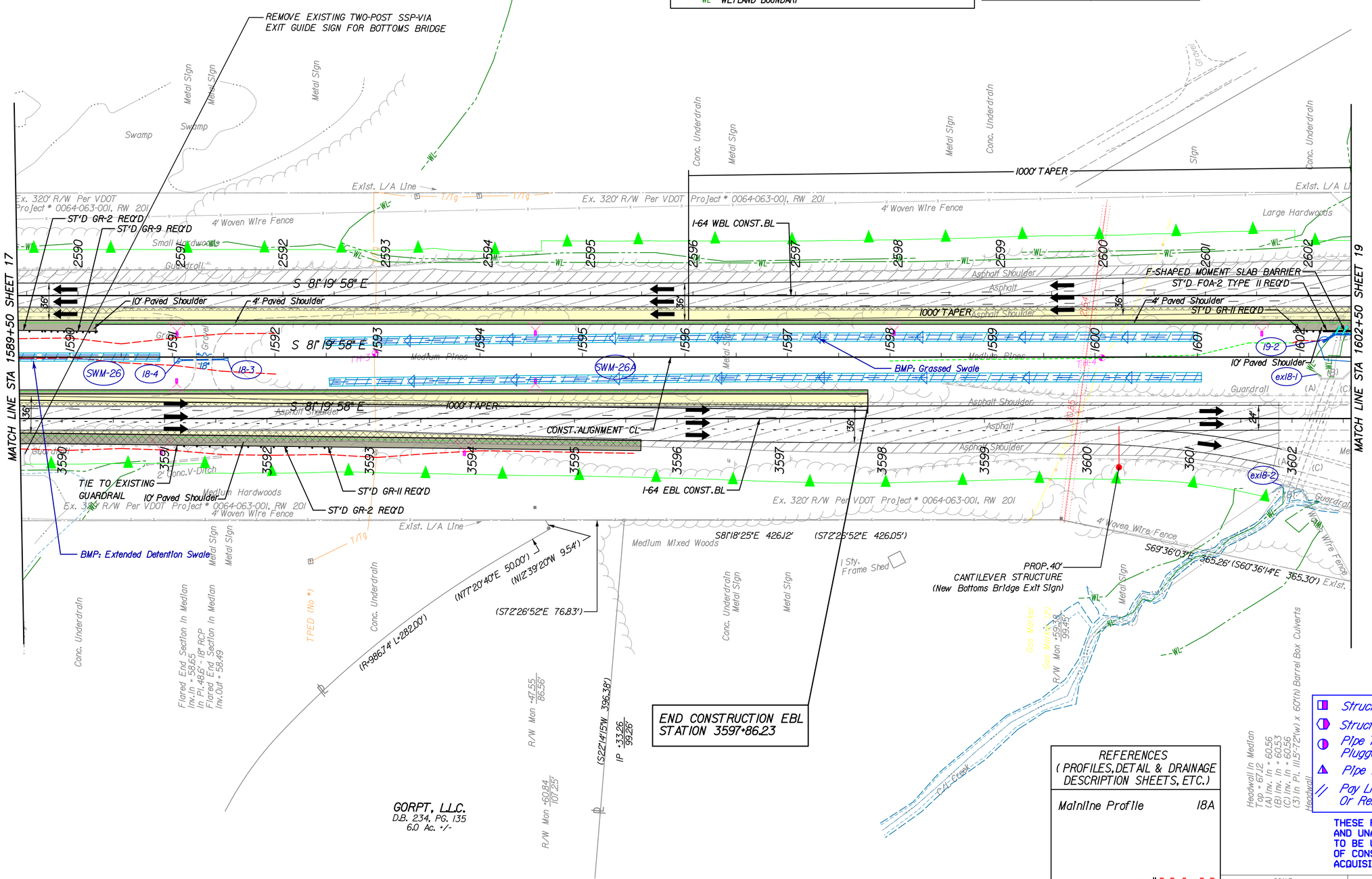
- MILL & OVERLAY PAVED SHOULDER
- DEMOLITION OF EXISTING PAVEMENT
- FULL DEPTH PAVEMENT
- PAVED SHOULDER
- CROSSOVER PAVEMENT
- 12' LANE



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

Mainline Profile 18A

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

LANE | WSP

SCALE 0 50' 100'

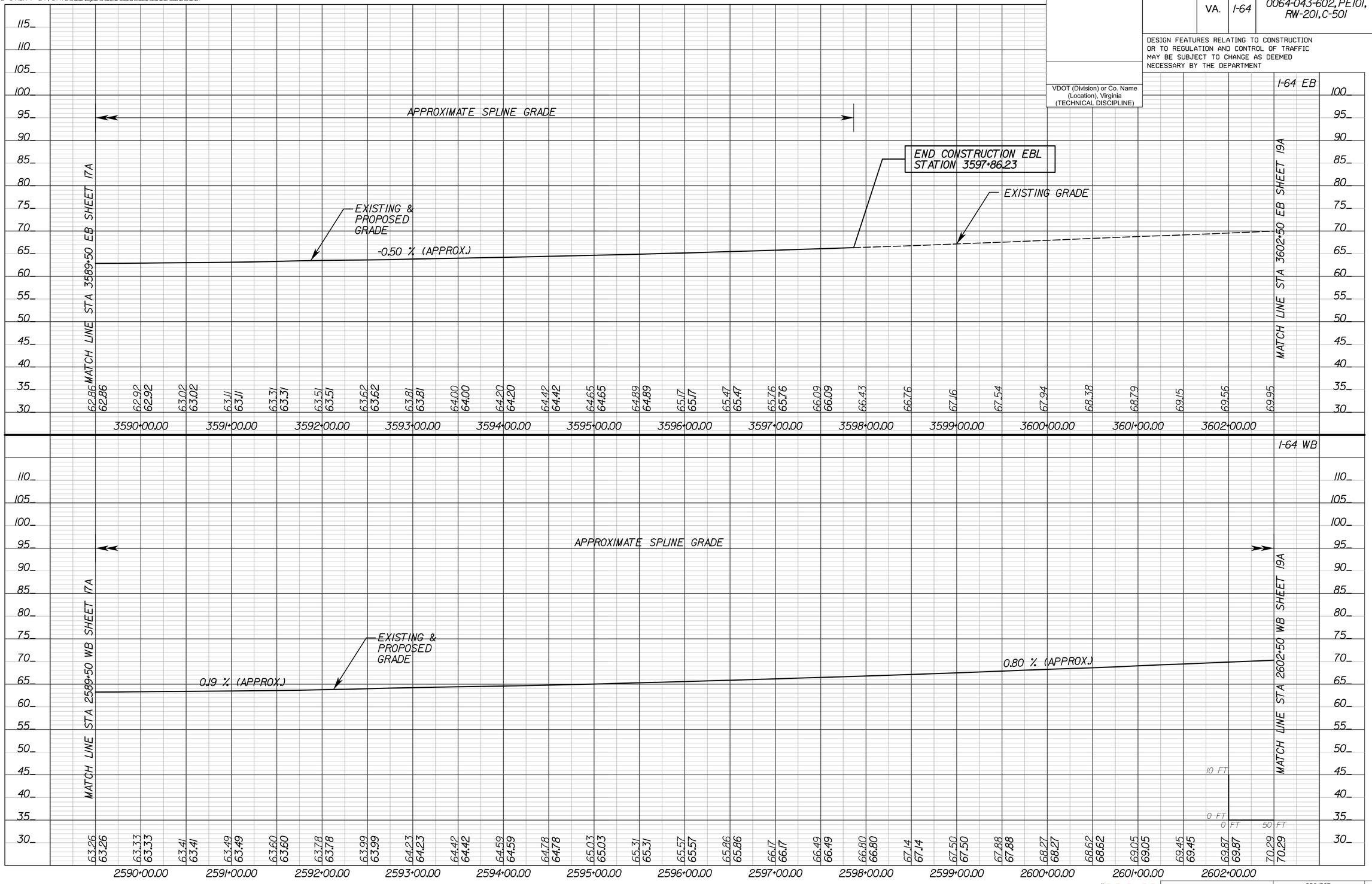
PROJECT	SHEET NO.
0064-043-602	18

PROJECT MANAGER <Project Mgr Name (000).000-0000. (District)>
SURVEYED BY, DATE <Surveyor Name (000).000-0000. (District)>
DESIGN BY WSP _Parsons_Brinckerhoff_(757) 466-1732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000).000-0000. (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	18A

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

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



LANE | WSP

PROJECT	SHEET NO.
0064-043-602	18A

PROJECT MANAGER JASON WILLIAMS,P.E. (804) 524-6145 (RICHMOND)
SURVEYED BY, DATE
DESIGN BY WSP (USA) (757) 466-7732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000) 000-0000 (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	19

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

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

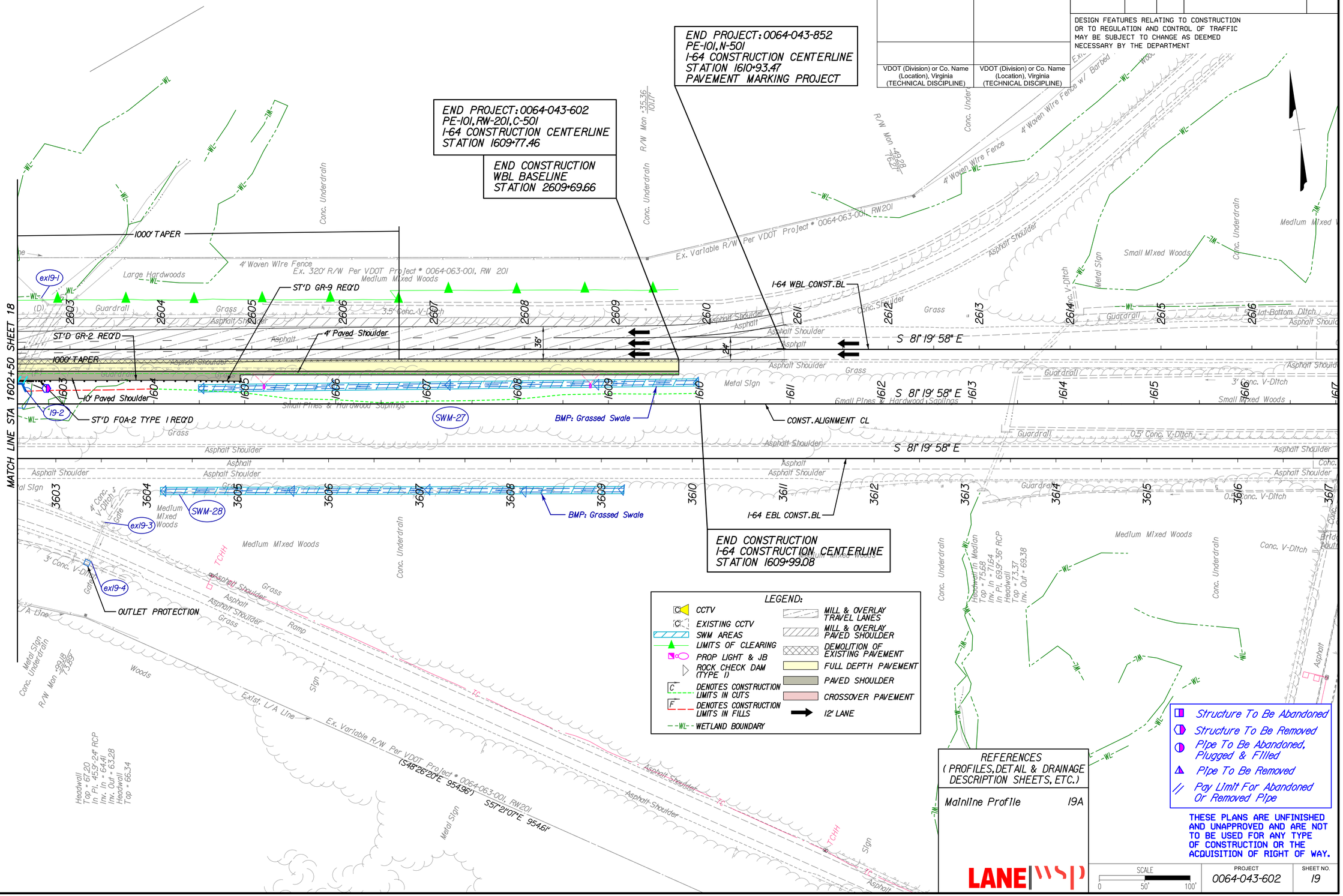
VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)

END PROJECT: 0064-043-852
PE-101, N-501
I-64 CONSTRUCTION CENTERLINE
STATION 1610+93.47
PAVEMENT MARKING PROJECT

END PROJECT: 0064-043-602
PE-101, RW-201, C-501
I-64 CONSTRUCTION CENTERLINE
STATION 1609+77.46

END CONSTRUCTION
WBL BASELINE
STATION 2609+69.66

END CONSTRUCTION
I-64 CONSTRUCTION CENTERLINE
STATION 1609+99.08



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

Mainline Profile 19A

- Structure To Be Abandoned
- Structure To Be Removed
- Pipe To Be Abandoned, Plugged & Filled
- Pipe To Be Removed
- Pay Limit For Abandoned Or Removed Pipe

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

LANE WSP

SCALE 0 50' 100'

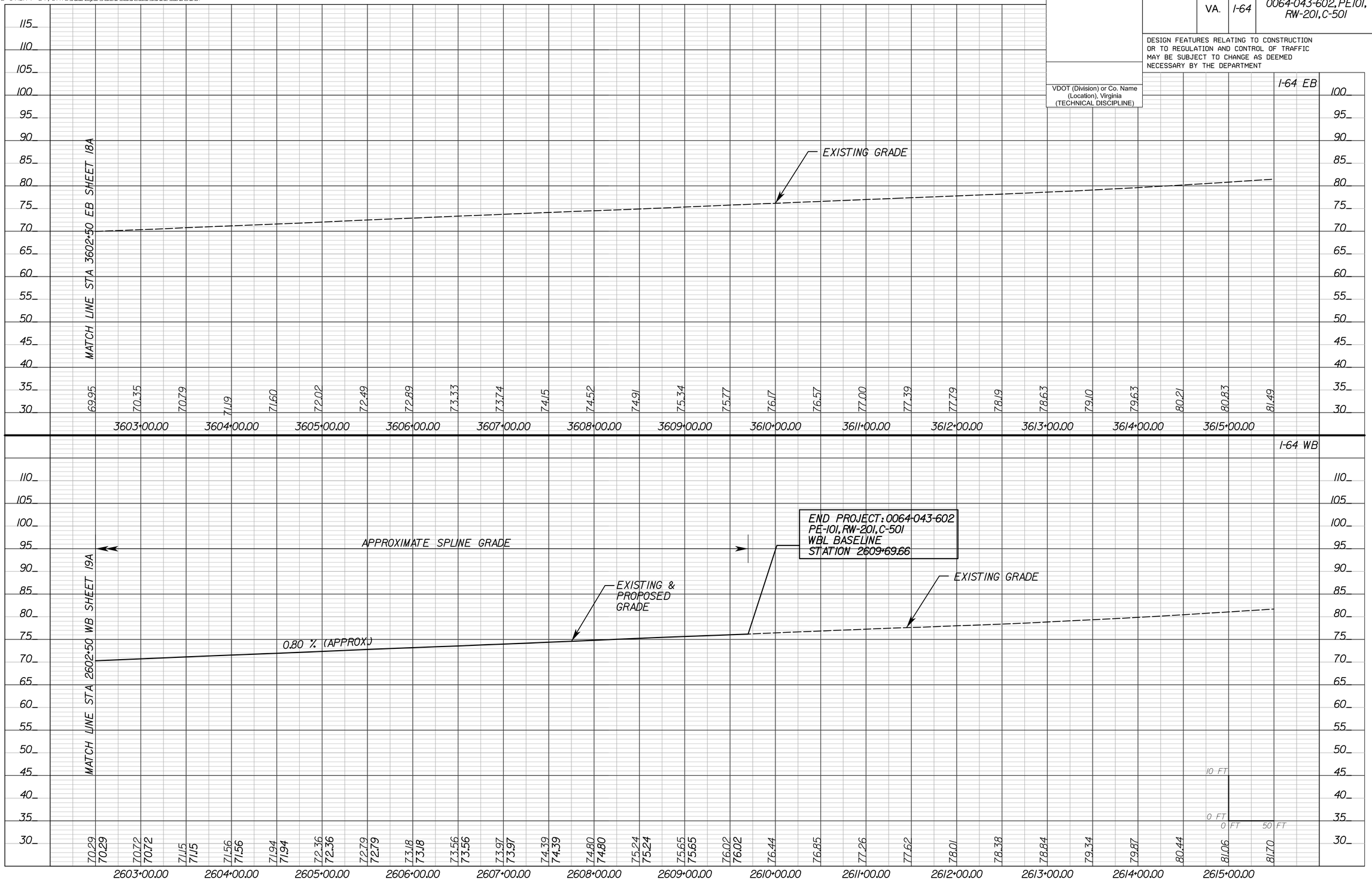
PROJECT	SHEET NO.
0064-043-602	19

PROJECT MANAGER <Project Mgr Name (000).000-0000. (District)>
SURVEYED BY, DATE <Surveyor Name (000).000-0000. (District)>
DESIGN BY WSP _ Parsons _ Brinckerhoff _ (757) 466-1732
SUBSURFACE UTILITY BY, DATE <Surveyor Name (000).000-0000. (District)>

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	I-64	0064-043-602, PE101, RW-201, C-501	19A

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

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



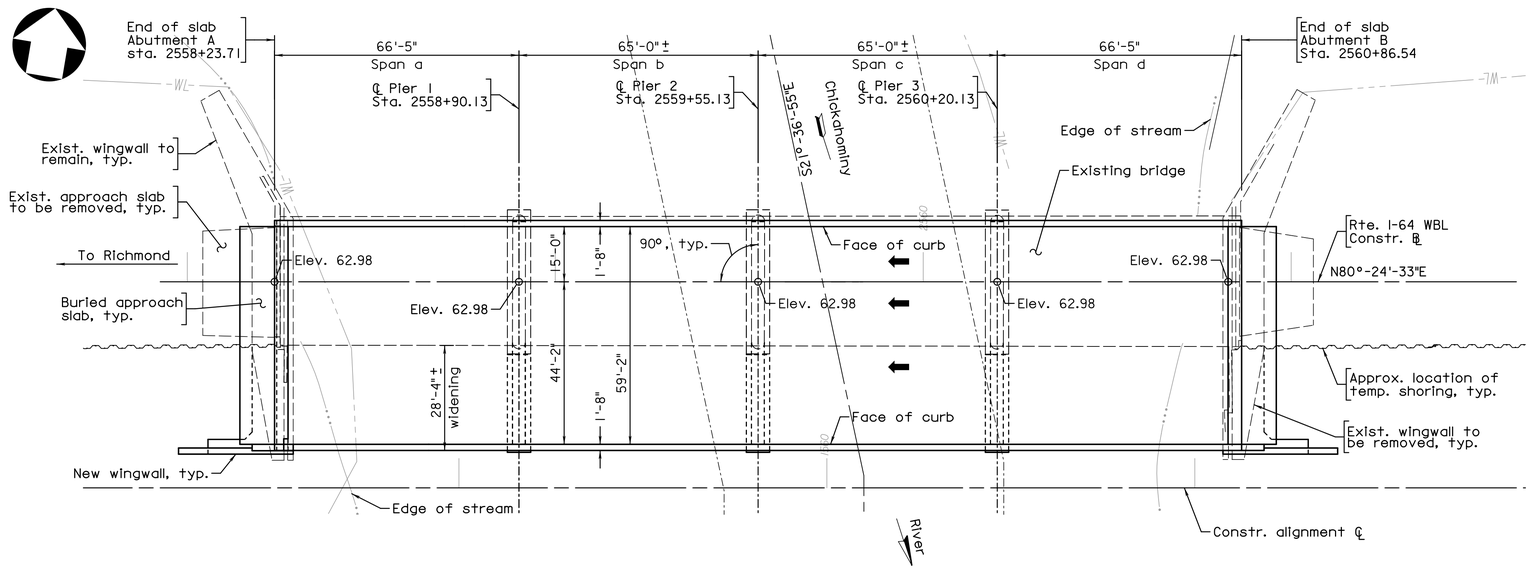
LANE | WSP

PROJECT	SHEET NO.
0064-043-602	19A

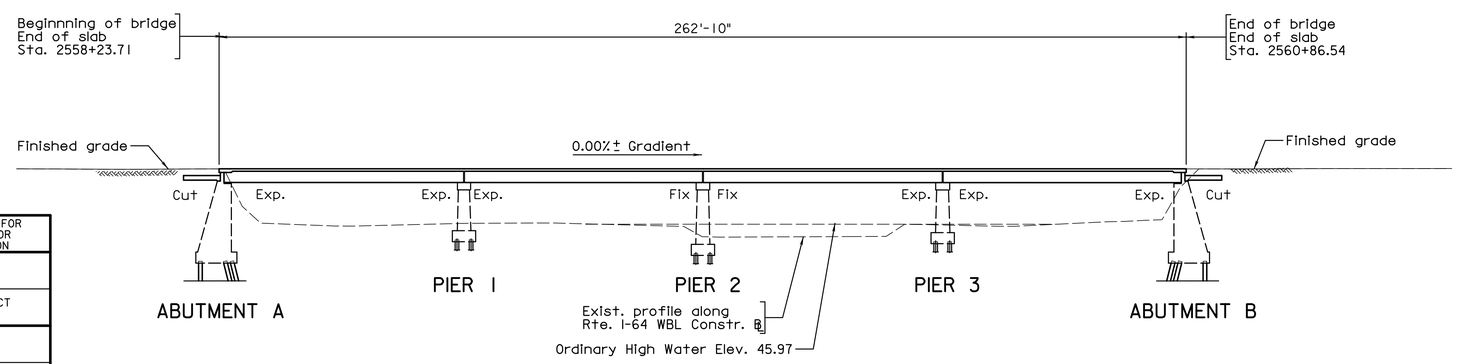
Richmond 13

Meadow Rd
EMERGENCY
STOPPING
ONLY
Norfolk
Va Beach

STATE	FEDERAL AID ROUTE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
VA.	—	NHPP-064-3 (499)	64	0064-043-602, B624, B625	1
NBIS Number:			UPC No. 107458		
Federal Oversight Code:		F0	FHWA Construction and Scour Code:		X081-S8



PLAN



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

DESIGN EXCEPTION(S):

Abutment type: Use of deck slab extension in lieu of integral or semi-integral abutments.

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 59'-2" face-to-face of curb, includes widening of 28'-4" on left side of traffic.

Span layout: WBL and EBL 66'-5" - 65'-0" - 65'-0" - 66'-5", prestressed concrete PCBT-37 spans, made continuous for live load.

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.

b107458001.dgn

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION
VDOT PROJECT MANAGER
DISTRICT CONSTRUCTION MANAGER
WSP USA VIRGINIA BEACH, VA STRUCTURAL ENGINEER

PLANS BY:	WSP USA
COORDINATED:	---
SUPERVISED:	WSP
DESIGNED:	WSP
DRAWN:	WSP
CHECKED:	WSP

PRELIMINARY PLANS

THESE PLANS NOT TO BE USED FOR CONSTRUCTION

Scale 1" = 20'-0"

No.	Description	Date

REVISIONS

For Table of Revisions, see Sheet 2.

VDOT

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

Recommended for Approval: _____ (Developer's Designee) Date

Approved: _____ Chief Engineer Date

Date: May 10, 2017

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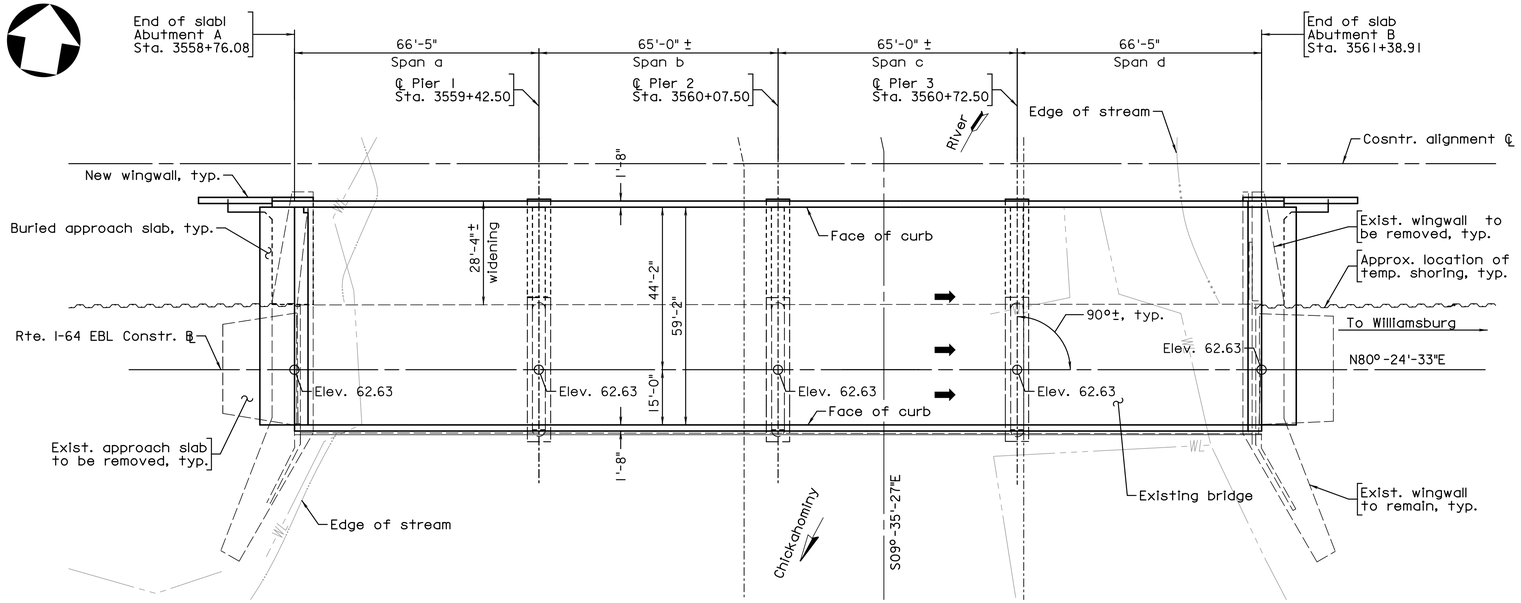
XXX-XX

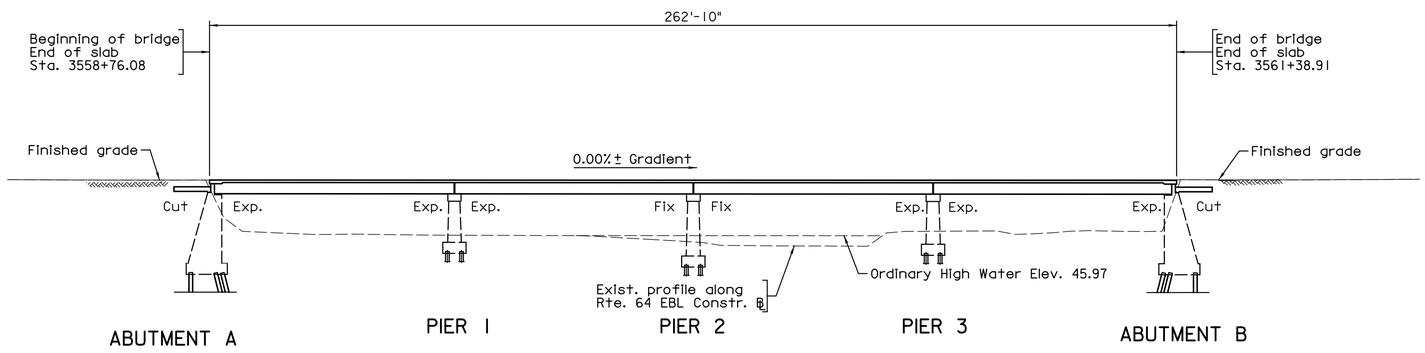
STATE	FEDERAL AID ROUTE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
VA.	—	NHPP-064-3(499)	64	0064-043-602, B624, B625	2

Note:

1. For General Plan and Elevation notes, see sheet 1.



PLAN



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

b107458002.dgn

WSP USA
VIRGINIA BEACH, VA
STRUCTURAL ENGINEER

PRELIMINARY PLANS

THESE PLANS NOT TO BE USED FOR CONSTRUCTION

Scale 1" = 20'-0"

©2017, Commonwealth of Virginia

No.	Description	Date
	Revisions	

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

STRUCTURE AND BRIDGE DIVISION

GENERAL PLAN AND ELEVATION
(2 OF 2)

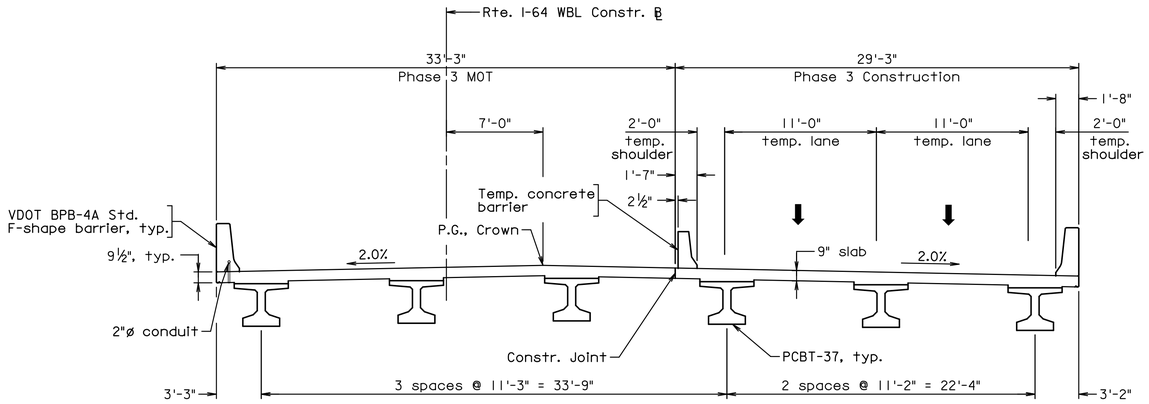
Designed: MDP
Drawn: PCS
Checked:

Date	Plan No.	Sheet No.
May 2017	XXX-XX	2 of 6

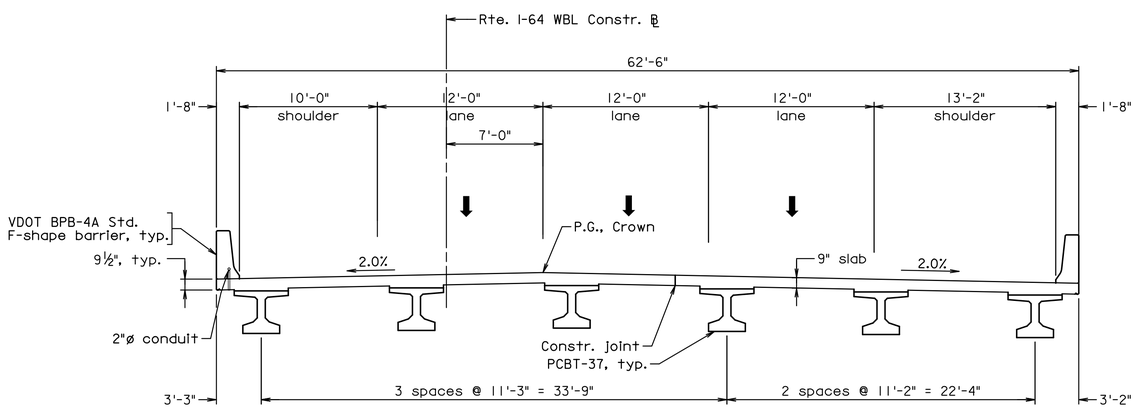
STATE	FEDERAL AID ROUTE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
VA.	—		64	0064-043-602, B624, B625	4

Notes:

1. For additional maintenance of traffic details, refer to the roadway plans.
2. Westbound lanes are shown. Eastbound lanes are opposite hand, except that eastbound lanes are at 2.0% full superelevation.



PHASE 3 CONSTRUCTION AND MOT



TRANSVERSE SECTION

b107458004.dgn

WSP USA
VIRGINIA BEACH, VA
STRUCTURAL ENGINEER

PRELIMINARY PLANS

THESE PLANS NOT TO BE USED FOR CONSTRUCTION

Scale 3/16" = 1'-0"

© 2017, Commonwealth of Virginia

No.	Description	Date
	Revisions	

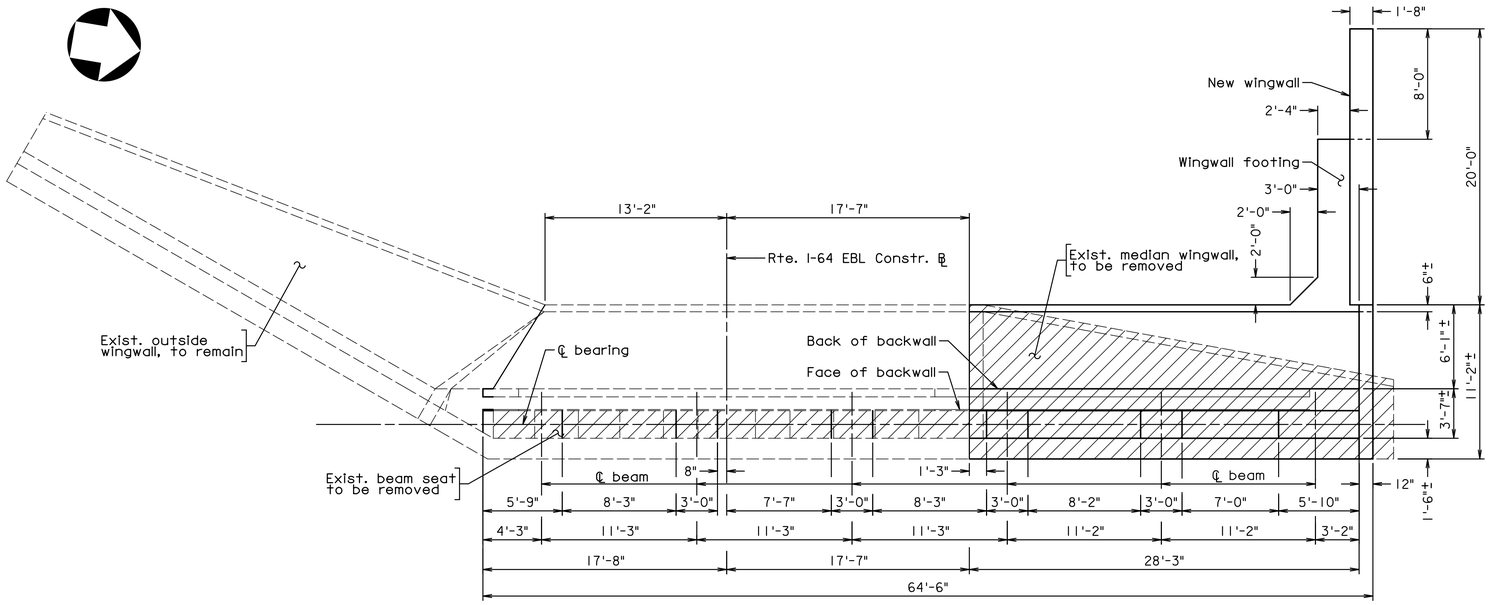
COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

STRUCTURE AND BRIDGE DIVISION

SEQUENCE OF CONSTRUCTION (2 OF 2)

Designed: WSP	Date	Plan No.	Sheet No.
Drawn: WSP	May 2017	XXX-XX	4 of 6
Checked: WSP			

STATE	FEDERAL AID ROUTE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
VA.	—		64	0064-043-602, B624, B625	5

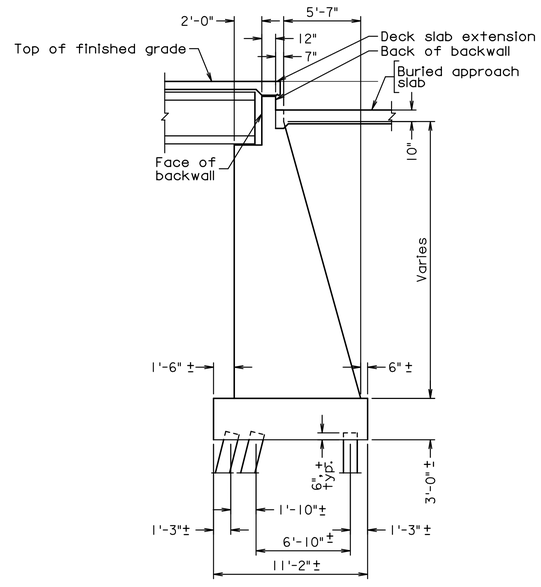


PLAN

Approach slab not shown for clarity

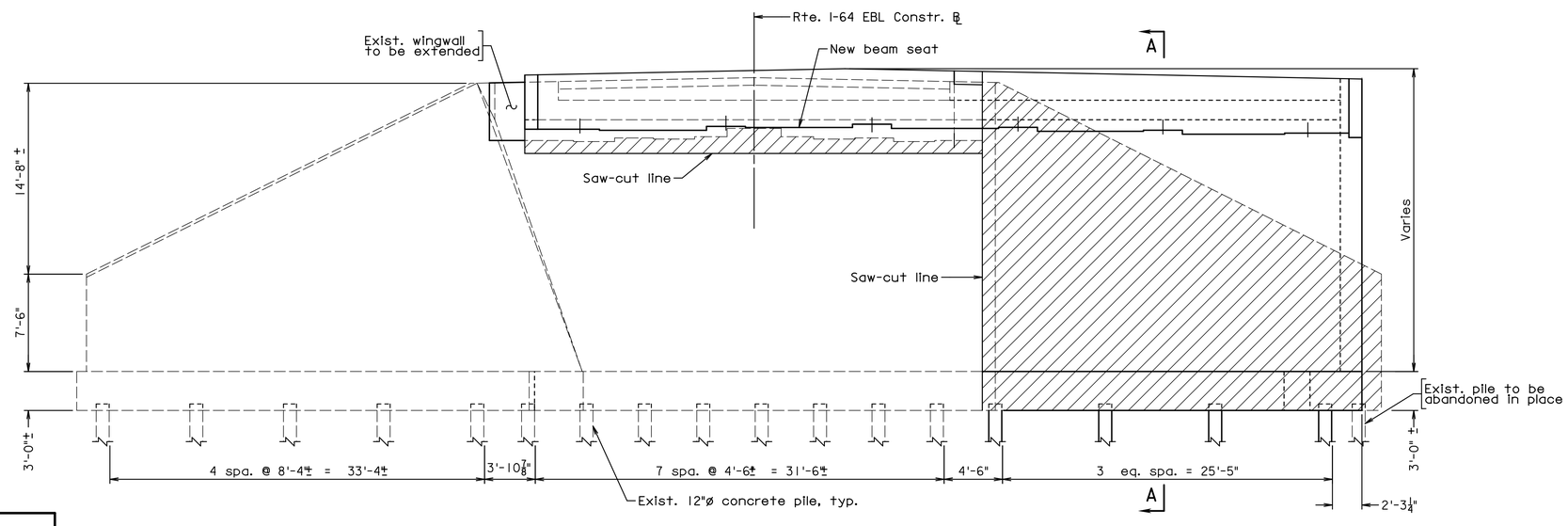
Legend:

Denotes portion of existing structure to be removed.



SECTION A-A

Scale 1/4" = 1'-0"



ABUTMENT A EBL ELEVATION

ABUTMENT B - OPPOSITE HAND; WBL SIMILAR

b107458005.dgn

WSP USA
VIRGINIA BEACH, VA
STRUCTURAL ENGINEER

PRELIMINARY PLANS

THESE PLANS NOT TO BE USED FOR CONSTRUCTION

Scale 3/16" = 1'-0" unless noted otherwise

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No.	Description	Date
	Revisions	

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

STRUCTURE AND BRIDGE DIVISION

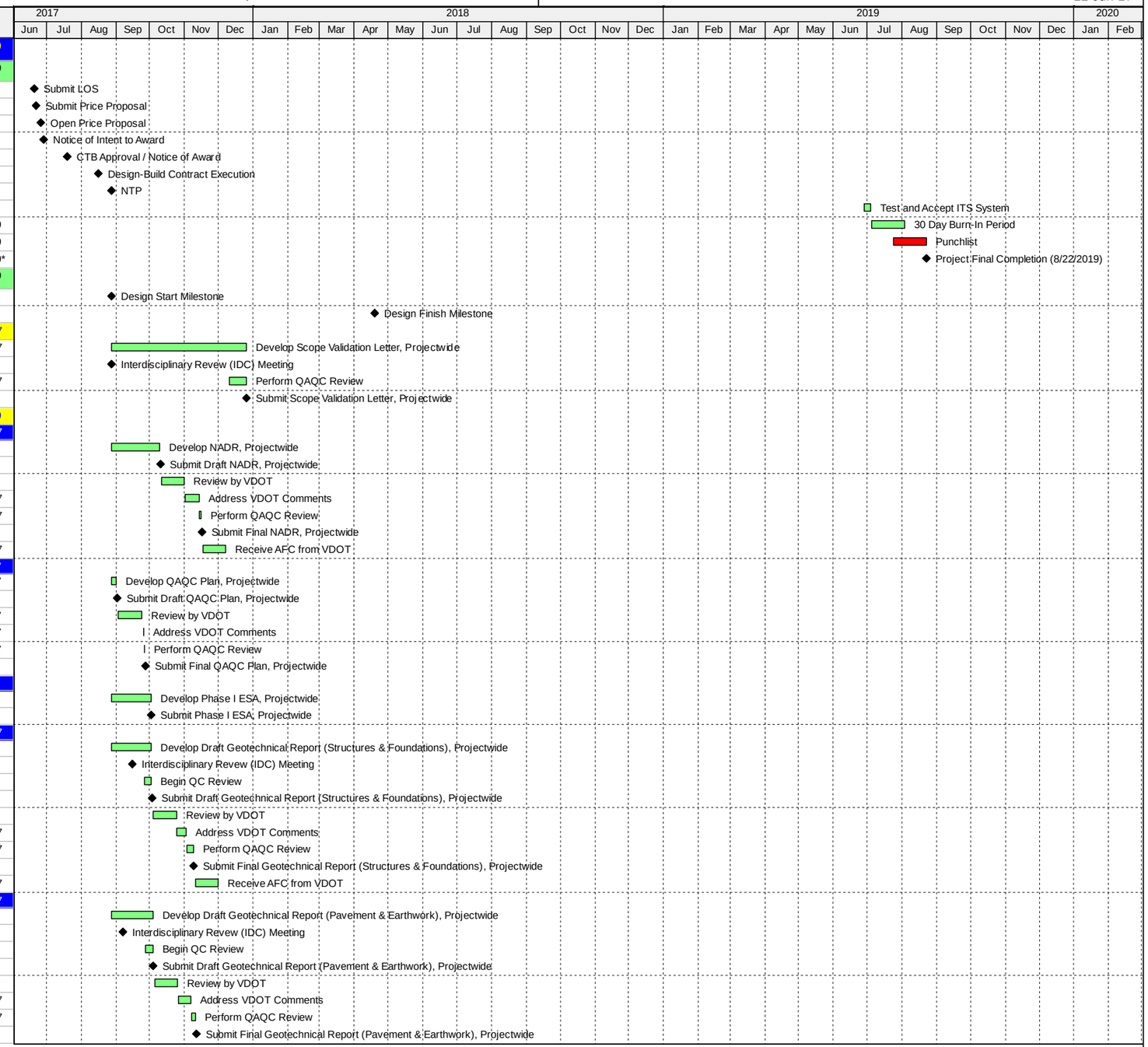
ABUTMENT DETAILS

Designed: WSP	Date	Plan No.	Sheet No.
Drawn: WSP	May 2017	XXX-XX	5 of 6
Checked: WSP			

EXIT 200
64 WEST
Richmond
295 60
Washington
Rocky Mt NC

WEIGH
STATION
DOT

Activity ID	Activity Name	Original Duration	Start	Finish
I-64 Widening Exit 200-205		437	20-Jun-17	22-Aug-19
Admin		437	20-Jun-17	22-Aug-19
A000-1000	Submit LOS	0	20-Jun-17*	
A000-1060	Submit Price Proposal	0	22-Jun-17*	
A000-1070	Open Price Proposal	0	26-Jun-17*	
A000-1010	Notice of Intent to Award	0	28-Jun-17*	
A000-1020	CTB Approval / Notice of Award	0	19-Jul-17*	
A000-1030	Design-Build Contract Execution	0	16-Aug-17*	
A000-1040	NTP	0	28-Aug-17*	
C000-1030	Test and Accept ITS System	5	28-Jun-19	04-Jul-19
C000-1040	30 Day Burn-In Period	30	05-Jul-19	03-Aug-19
C000-1020	Punchlist	30	24-Jul-19	22-Aug-19
A000-1050	Project Final Completion (8/22/2019)	0		22-Aug-19*
Design		401	28-Aug-17	22-Aug-19
D000-2170	Design Start Milestone	0	28-Aug-17	
D000-2180	Design Finish Milestone	0		18-Apr-18
Scope Validation Period		68	28-Aug-17	26-Dec-17
D000-1930	Develop Scope Validation Letter, Projectwide	120	28-Aug-17	25-Dec-17
D000-1940	Interdisciplinary Revew (IDC) Meeting	0	28-Aug-17	
D000-1950	Perform QAQC Review	10	11-Dec-17	26-Dec-17
D000-1960	Submit Scope Validation Letter, Projectwide	0	26-Dec-17	
Early Design		401	28-Aug-17	22-Aug-19
Noise Abatement Design Report (NADR)		60	28-Aug-17	07-Dec-17
D000-1080	Develop NADR, Projectwide	30	28-Aug-17	09-Oct-17
D000-1090	Submit Draft NADR, Projectwide	0	10-Oct-17	
D000-1100	Review by VDOT	21	11-Oct-17	31-Oct-17
D000-1110	Address VDOT Comments	9	01-Nov-17	13-Nov-17
D000-1120	Perform QAQC Review	2	14-Nov-17	15-Nov-17
D000-1130	Submit Final NADR, Projectwide	0	16-Nov-17	
D000-1140	Receive AFC from VDOT	21	17-Nov-17	07-Dec-17
QAQC Plan		17	28-Aug-17	27-Sep-17
D000-1010	Develop QAQC Plan, Projectwide	5	28-Aug-17	01-Sep-17
D000-1020	Submit Draft QAQC Plan, Projectwide	0	02-Sep-17	
D000-1030	Review by VDOT	21	03-Sep-17	23-Sep-17
D000-1040	Address VDOT Comments	1	25-Sep-17	25-Sep-17
D000-1050	Perform QAQC Review	1	26-Sep-17	26-Sep-17
D000-1060	Submit Final QAQC Plan, Projectwide	0	27-Sep-17	
Phase I Environmental Site Assesment (ESA)		21	28-Aug-17	02-Oct-17
D000-1160	Develop Phase I ESA, Projectwide	25	28-Aug-17	02-Oct-17
D000-1170	Submit Phase I ESA, Projectwide	0		02-Oct-17
Geotechnical Report (Structures & Foundations)		56	28-Aug-17	30-Nov-17
D000-2080	Develop Draft Geotechnical Report (Structures & Foundations), Prc	25	28-Aug-17	02-Oct-17
D000-2090	Interdisciplinary Revew (IDC) Meeting	0	15-Sep-17	
D000-2100	Begin QC Review	5	26-Sep-17	02-Oct-17
D000-2110	Submit Draft Geotechnical Report (Structures & Foundations), Proje	0	03-Oct-17	
D000-2120	Review by VDOT	21	04-Oct-17	24-Oct-17
D000-2130	Address VDOT Comments	7	25-Oct-17	02-Nov-17
D000-2140	Perform QAQC Review	4	03-Nov-17	08-Nov-17
D000-2150	Submit Final Geotechnical Report (Structures & Foundations), Proje	0	09-Nov-17	
D000-2160	Receive AFC from VDOT	21	10-Nov-17	30-Nov-17
Geotechnical Report (Pavement & Earthwork)		57	28-Aug-17	02-Dec-17
D000-1390	Develop Draft Geotechnical Report (Pavement & Earthwork), Proje	26	28-Aug-17	03-Oct-17
D000-1400	Interdisciplinary Revew (IDC) Meeting	0	07-Sep-17	
D000-1410	Begin QC Review	5	27-Sep-17	03-Oct-17
D000-1420	Submit Draft Geotechnical Report (Pavement & Earthwork), Project	0	04-Oct-17	
D000-1430	Review by VDOT	21	05-Oct-17	25-Oct-17
D000-1440	Address VDOT Comments	8	26-Oct-17	06-Nov-17
D000-1450	Perform QAQC Review	4	07-Nov-17	10-Nov-17
D000-1460	Submit Final Geotechnical Report (Pavement & Earthwork), Project	0	11-Nov-17	



Remaining Level of Effort | Remaining Work | ◆ Milestone
Actual Work | Critical Remaining Work

TASK filter: All Activities

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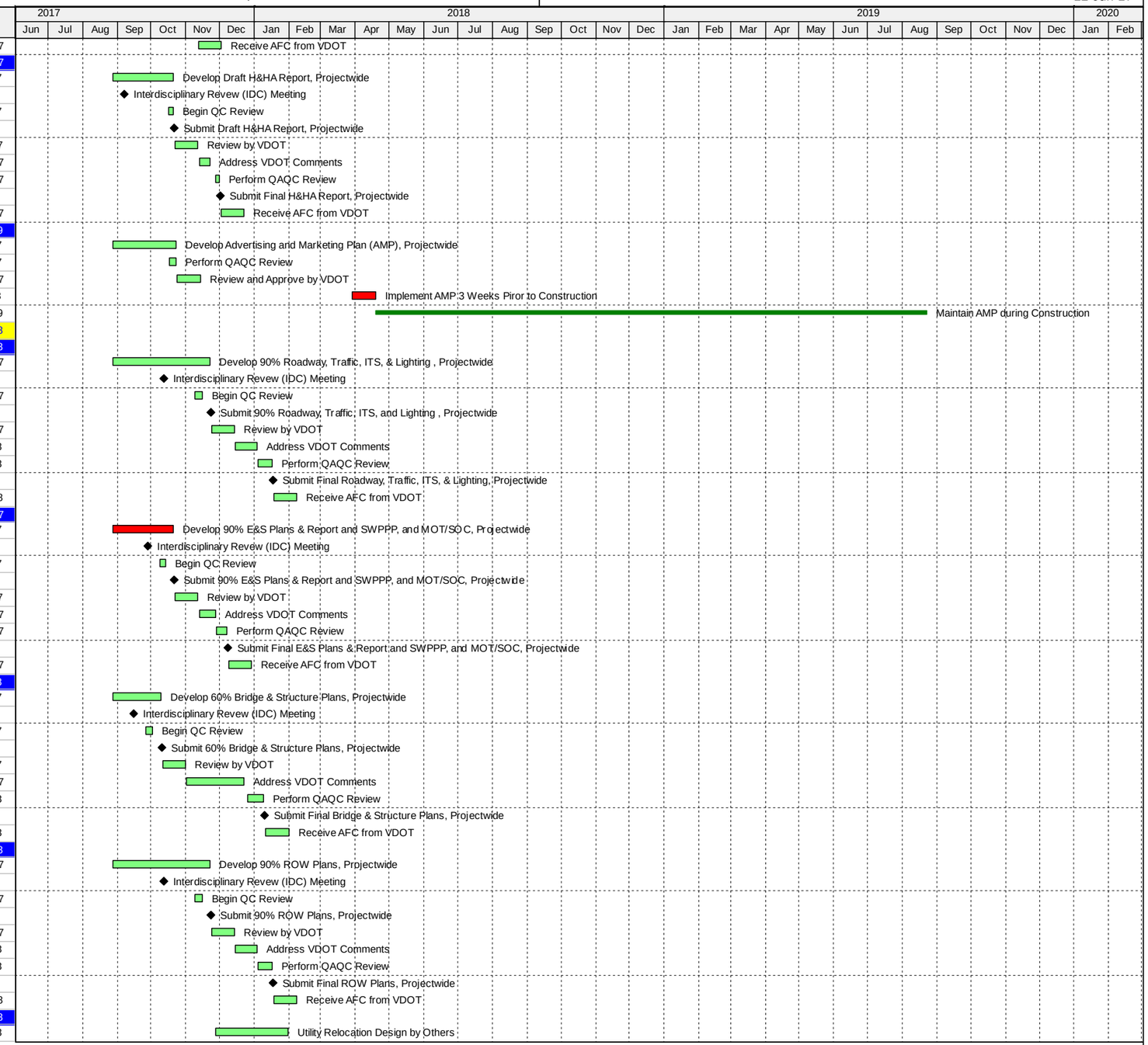
Activity ID	Activity Name	Original Duration	Start	Finish
D000-1470	Receive AFC from VDOT	21	12-Nov-17	02-Dec-17
Hydrologic & Hydraulic Analysis (H&HA) Report		**68**	**28-Aug-17**	**22-Dec-17**
D000-1490	Develop Draft H&HA Report, Projectwide	39	28-Aug-17	20-Oct-17
D000-1500	Interdisciplinary Revew (IDC) Meeting	0	07-Sep-17	
D000-1510	Begin QC Review	5	16-Oct-17	20-Oct-17
D000-1520	Submit Draft H&HA Report, Projectwide	0	21-Oct-17	
D000-1530	Review by VDOT	21	22-Oct-17	11-Nov-17
D000-1540	Address VDOT Comments	8	13-Nov-17	22-Nov-17
D000-1550	Perform QAQC Review	4	27-Nov-17	30-Nov-17
D000-1560	Submit Final H&HA Report, Projectwide	0	01-Dec-17	
D000-1570	Receive AFC from VDOT	21	02-Dec-17	22-Dec-17
Public Involvement / Relationship		**401**	**28-Aug-17**	**22-Aug-19**
D000-2190	Develop Advertising and Marketing Plan (AMP), Projectwide	40	28-Aug-17	23-Oct-17
D000-2210	Perform QAQC Review	5	17-Oct-17	23-Oct-17
D000-2200	Review and Approve by VDOT	21	24-Oct-17	13-Nov-17
D000-2220	Implement AMP 3 Weeks Piror to Construction	21	29-Mar-18	18-Apr-18
D000-2230	Maintain AMP during Construction	491	19-Apr-18	22-Aug-19
Final Design		**113**	**28-Aug-17**	**16-Mar-18**
Roadway, Traffic, ITS, and Lighting		**92**	**28-Aug-17**	**07-Feb-18**
D000-1290	Develop 90% Roadway, Traffic, ITS, & Lighting , Projectwide	62	28-Aug-17	22-Nov-17
D000-1300	Interdisciplinary Revew (IDC) Meeting	0	12-Oct-17	
D000-1310	Begin QC Review	5	09-Nov-17	15-Nov-17
D000-1320	Submit 90% Roadway, Traffic, ITS, and Lighting , Projectwide	0	23-Nov-17	
D000-1330	Review by VDOT	21	24-Nov-17	14-Dec-17
D000-1340	Address VDOT Comments	12	15-Dec-17	03-Jan-18
D000-1350	Perform QAQC Review	9	04-Jan-18	16-Jan-18
D000-1360	Submit Final Roadway, Traffic, ITS, & Lighting, Projectwide	0	17-Jan-18	
D000-1370	Receive AFC from VDOT	21	18-Jan-18	07-Feb-18
Erosion & Sediment Control (E&S) Plan and Report; Stormwater Polution Prevention		**71**	**28-Aug-17**	**29-Dec-17**
D000-1190	Develop 90% E&S Plans & Report and SWPPP, and MOT/SOC, Pro	39	28-Aug-17	20-Oct-17
D000-1200	Interdisciplinary Revew (IDC) Meeting	0	28-Sep-17	
D000-1210	Begin QC Review	5	09-Oct-17	13-Oct-17
D000-1220	Submit 90% E&S Plans & Report and SWPPP, and MOT/SOC, Proj	0	21-Oct-17	
D000-1230	Review by VDOT	21	22-Oct-17	11-Nov-17
D000-1240	Address VDOT Comments	9	13-Nov-17	27-Nov-17
D000-1250	Perform QAQC Review	8	28-Nov-17	07-Dec-17
D000-1260	Submit Final E&S Plans & Report and SWPPP, and MOT/SOC, Proj	0	08-Dec-17	
D000-1270	Receive AFC from VDOT	21	09-Dec-17	29-Dec-17
Bridge & Structure Plans		**89**	**28-Aug-17**	**31-Jan-18**
D000-1980	Develop 60% Bridge & Structure Plans, Projectwide	30	28-Aug-17	09-Oct-17
D000-1990	Interdisciplinary Revew (IDC) Meeting	0	15-Sep-17	
D000-2000	Begin QC Review	5	26-Sep-17	02-Oct-17
D000-2010	Submit 60% Bridge & Structure Plans, Projectwide	0	10-Oct-17	
D000-2020	Review by VDOT	21	11-Oct-17	31-Oct-17
D000-2030	Address VDOT Comments	36	01-Nov-17	22-Dec-17
D000-2040	Perform QAQC Review	10	26-Dec-17	09-Jan-18
D000-2050	Submit Final Bridge & Structure Plans, Projectwide	0	10-Jan-18	
D000-2060	Receive AFC from VDOT	21	11-Jan-18	31-Jan-18
Right of Way (ROW) Plans		**92**	**28-Aug-17**	**07-Feb-18**
D000-1830	Develop 90% ROW Plans, Projectwide	62	28-Aug-17	22-Nov-17
D000-1840	Interdisciplinary Revew (IDC) Meeting	0	12-Oct-17	
D000-1850	Begin QC Review	5	09-Nov-17	15-Nov-17
D000-1860	Submit 90% ROW Plans, Projectwide	0	23-Nov-17	
D000-1870	Review by VDOT	21	24-Nov-17	14-Dec-17
D000-1880	Address VDOT Comments	12	15-Dec-17	03-Jan-18
D000-1890	Perform QAQC Review	9	04-Jan-18	16-Jan-18
D000-1900	Submit Final ROW Plans, Projectwide	0	17-Jan-18	
D000-1910	Receive AFC from VDOT	21	18-Jan-18	07-Feb-18
Utilities		**61**	**27-Nov-17**	**16-Mar-18**
D000-2240	Utility Relocation Design by Others	45	27-Nov-17	30-Jan-18



Remaining Level of Effort | Remaining Work | ◆ Milestone
Actual Work | Critical Remaining Work

TASK filter: All Activities

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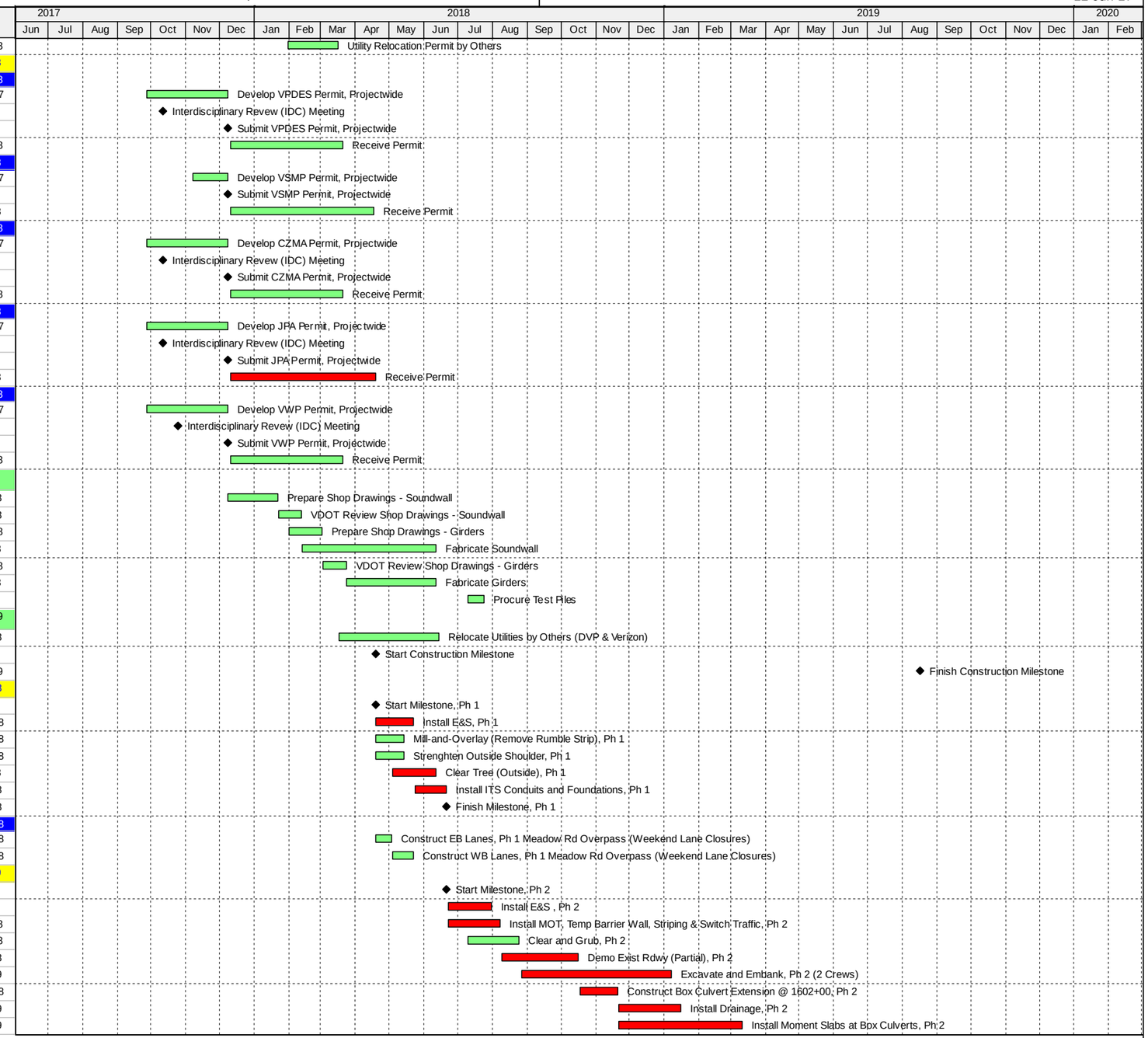
Activity ID	Activity Name	Original Duration	Start	Finish
D000-2250	Utility Relocation Permit by Others	45	31-Jan-18	16-Mar-18
Permit		114	27-Sep-17	18-Apr-18
Virginia Pollutant Discharge Elimination System (VPDES) Permit		97	27-Sep-17	20-Mar-18
D000-1630	Develop VPDES Permit, Projectwide	50	27-Sep-17	08-Dec-17
D000-1640	Interdisciplinary Revew (IDC) Meeting	0	11-Oct-17	
D000-1650	Submit VPDES Permit, Projectwide	0	08-Dec-17	
D000-1660	Receive Permit	70	11-Dec-17	20-Mar-18
Virginia Stormwater Management Program (VSMP) Permit		88	07-Nov-17	17-Apr-18
D000-1590	Develop VSMP Permit, Projectwide	21	07-Nov-17	08-Dec-17
D000-1600	Submit VSMP Permit, Projectwide	0	08-Dec-17	
D000-1610	Receive Permit	90	11-Dec-17	17-Apr-18
Virginia DEQ Coastal Zone Management Act (CZMA) Permit		97	27-Sep-17	20-Mar-18
D000-1730	Develop CZMA Permit, Projectwide	50	27-Sep-17	08-Dec-17
D000-1740	Interdisciplinary Revew (IDC) Meeting	0	11-Oct-17	
D000-1750	Submit CZMA Permit, Projectwide	0	08-Dec-17	
D000-1760	Receive Permit	70	11-Dec-17	20-Mar-18
USACE Joint Permit Application (JPA)		114	27-Sep-17	18-Apr-18
D000-1780	Develop JPA Permit, Projectwide	50	27-Sep-17	08-Dec-17
D000-1790	Interdisciplinary Revew (IDC) Meeting	0	11-Oct-17	
D000-1800	Submit JPA Permit, Projectwide	0	08-Dec-17	
D000-1810	Receive Permit	91	11-Dec-17	18-Apr-18
Virginia Water Protection (VWP) Permit		97	27-Sep-17	20-Mar-18
D000-1680	Develop VWP Permit, Projectwide	50	27-Sep-17	08-Dec-17
D000-1690	Interdisciplinary Revew (IDC) Meeting	0	25-Oct-17	
D000-1700	Submit VWP Permit, Projectwide	0	08-Dec-17	
D000-1710	Receive Permit	70	11-Dec-17	20-Mar-18
Procurement		229	08-Dec-17	24-Jul-18
P000-1030	Prepare Shop Drawings - Soundwall	45	08-Dec-17	21-Jan-18
P000-1040	VDOT Review Shop Drawings - Soundwall	21	22-Jan-18	11-Feb-18
P000-1000	Prepare Shop Drawings - Girders	30	01-Feb-18	02-Mar-18
P000-1050	Fabricate Soundwall	120	12-Feb-18	11-Jun-18
P000-1010	VDOT Review Shop Drawings - Girders	21	03-Mar-18	23-Mar-18
P000-1020	Fabricate Girders	80	24-Mar-18	11-Jun-18
P200-1000	Procure Test Piles	15	10-Jul-18	24-Jul-18
Construction		306	08-Feb-18	16-Aug-19
C000-1050	Relocate Utilities by Others (DVP & Verizon)	90	17-Mar-18	14-Jun-18
C000-1000	Start Construction Milestone	0	19-Apr-18	
C000-1010	Finish Construction Milestone	0		16-Aug-19
Phase 1 - Outside Shoulder Work (East & West)		35	19-Apr-18	20-Jun-18
C100-1000	Start Milestone, Ph 1	0	19-Apr-18	
C100-1010	Install E&S, Ph 1	20	19-Apr-18	22-May-18
C100-1030	Mill-and-Overlay (Remove Rumble Strip), Ph 1	15	19-Apr-18	14-May-18
C100-1050	Strenghten Outside Shoulder, Ph 1	15	19-Apr-18	14-May-18
C100-1020	Clear Tree (Outside), Ph 1	20	04-May-18	11-Jun-18
C100-1070	Install ITS Conduits and Foundations, Ph 1	15	24-May-18	20-Jun-18
C100-1060	Finish Milestone, Ph 1	0		20-Jun-18
Meadow Rd Overpass		20	19-Apr-18	22-May-18
C300-1105	Construct EB Lanes, Ph 1 Meadow Rd Overpass (Weekend Lane (	10	19-Apr-18	03-May-18
C300-1100	Construct WB Lanes, Ph 1 Meadow Rd Overpass (Weekend Lane	10	04-May-18	22-May-18
Phase 2 - Median Work		169	21-Jun-18	24-Apr-19
C200-1000	Start Milestone, Ph 2	0	21-Jun-18	
C200-1010	Install E&S , Ph 2	20	22-Jun-18	31-Jul-18
C200-1020	Install MOT, Temp Barrier Wall, Striping & Switch Traffic, Ph 2	25	22-Jun-18	07-Aug-18
C200-1130	Clear and Grub, Ph 2	25	10-Jul-18	24-Aug-18
C200-1030	Demo Exist Rdwy (Partial), Ph 2	40	09-Aug-18	16-Oct-18
C200-1040	Excavate and Embank, Ph 2 (2 Crews)	75	27-Aug-18	07-Jan-19
A1000	Construct Box Culvert Extension @ 1602+00, Ph 2	20	18-Oct-18	20-Nov-18
C200-1050	Install Drainage, Ph 2	30	21-Nov-18	15-Jan-19
C200-1140	Install Moment Slabs at Box Culverts, Ph 2	60	21-Nov-18	11-Mar-19



Remaining Level of Effort | Remaining Work | ◆ Milestone
Actual Work | Critical Remaining Work

TASK filter: All Activities

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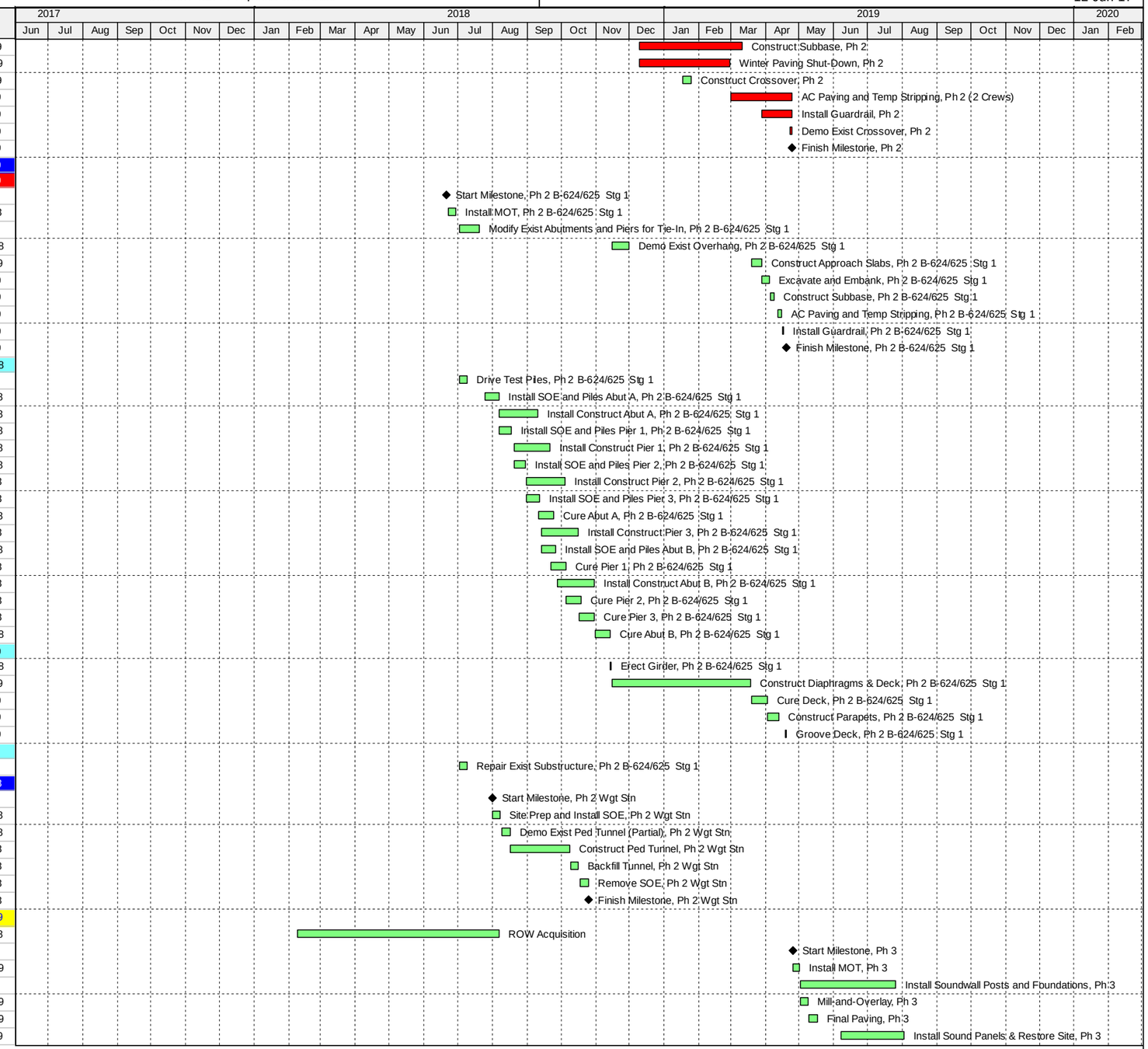
Activity ID	Activity Name	Original Duration	Start	Finish
C200-1060	Construct Subbase, Ph 2	50	10-Dec-18	11-Mar-19
C200-1150	Winter Paving Shut-Down, Ph 2	81	10-Dec-18	28-Feb-19
C200-1070	Construct Crossover, Ph 2	5	17-Jan-19	24-Jan-19
C200-1080	AC Paving and Temp Stripping, Ph 2 (2 Crews)	30	01-Mar-19	24-Apr-19
C200-1100	Install Guardrail, Ph 2	15	29-Mar-19	24-Apr-19
C200-1090	Demo Exist Crossover, Ph 2	2	23-Apr-19	24-Apr-19
C200-1110	Finish Milestone, Ph 2	0		24-Apr-19
Bridge B-624 & B-625		166	21-Jun-18	19-Apr-19
Stage 1		166	21-Jun-18	19-Apr-19
C201A1000	Start Milestone, Ph 2 B-624/625 Stg 1	0	21-Jun-18	
C201A1010	Install MOT, Ph 2 B-624/625 Stg 1	5	22-Jun-18	29-Jun-18
C201A1325	Modify Exist Abutments and Piers for Tie-In, Ph 2 B-624/625 Stg 1	10	02-Jul-18	20-Jul-18
C201A1050	Demo Exist Overhang, Ph 2 B-624/625 Stg 1	10	15-Nov-18	30-Nov-18
C201A1270	Construct Approach Slabs, Ph 2 B-624/625 Stg 1	5	19-Mar-19	28-Mar-19
C201A1280	Excavate and Embank, Ph 2 B-624/625 Stg 1	5	29-Mar-19	04-Apr-19
C201A1290	Construct Subbase, Ph 2 B-624/625 Stg 1	2	05-Apr-19	08-Apr-19
C201A1300	AC Paving and Temp Stripping, Ph 2 B-624/625 Stg 1	2	12-Apr-19	15-Apr-19
C201A1310	Install Guardrail, Ph 2 B-624/625 Stg 1	2	16-Apr-19	17-Apr-19
C201A1320	Finish Milestone, Ph 2 B-624/625 Stg 1	0		19-Apr-19
Substructure		75	02-Jul-18	13-Nov-18
C201A1060	Drive Test Piles, Ph 2 B-624/625 Stg 1	5	02-Jul-18	09-Jul-18
C201A1070	Install SOE and Piles Abut A, Ph 2 B-624/625 Stg 1	8	25-Jul-18	06-Aug-18
C201A1080	Install Construct Abut A, Ph 2 B-624/625 Stg 1	20	07-Aug-18	10-Sep-18
C201A1100	Install SOE and Piles Pier 1, Ph 2 B-624/625 Stg 1	7	07-Aug-18	17-Aug-18
C201A1110	Install Construct Pier 1, Ph 2 B-624/625 Stg 1	20	20-Aug-18	21-Sep-18
C201A1130	Install SOE and Piles Pier 2, Ph 2 B-624/625 Stg 1	7	20-Aug-18	30-Aug-18
C201A1140	Install Construct Pier 2, Ph 2 B-624/625 Stg 1	20	31-Aug-18	04-Oct-18
C201A1160	Install SOE and Piles Pier 3, Ph 2 B-624/625 Stg 1	7	31-Aug-18	11-Sep-18
C201A1090	Cure Abut A, Ph 2 B-624/625 Stg 1	14	11-Sep-18	24-Sep-18
C201A1170	Install Construct Pier 3, Ph 2 B-624/625 Stg 1	20	13-Sep-18	16-Oct-18
C201A1190	Install SOE and Piles Abut B, Ph 2 B-624/625 Stg 1	8	13-Sep-18	26-Sep-18
C201A1120	Cure Pier 1, Ph 2 B-624/625 Stg 1	14	22-Sep-18	05-Oct-18
C201A1200	Install Construct Abut B, Ph 2 B-624/625 Stg 1	20	28-Sep-18	30-Oct-18
C201A1150	Cure Pier 2, Ph 2 B-624/625 Stg 1	14	05-Oct-18	18-Oct-18
C201A1180	Cure Pier 3, Ph 2 B-624/625 Stg 1	14	17-Oct-18	30-Oct-18
C201A1210	Cure Abut B, Ph 2 B-624/625 Stg 1	14	31-Oct-18	13-Nov-18
Superstructure		86	14-Nov-18	19-Apr-19
C201A1220	Erect Girder, Ph 2 B-624/625 Stg 1	1	14-Nov-18	14-Nov-18
C201A1230	Construct Diaphragms & Deck, Ph 2 B-624/625 Stg 1	20	15-Nov-18	18-Mar-19
C201A1240	Cure Deck, Ph 2 B-624/625 Stg 1	15	19-Mar-19	02-Apr-19
C201A1260	Construct Parapets, Ph 2 B-624/625 Stg 1	5	03-Apr-19	12-Apr-19
C201A1340	Groove Deck, Ph 2 B-624/625 Stg 1	1	19-Apr-19	19-Apr-19
Exist Bridges		5	02-Jul-18	09-Jul-18
C201A1020	Repair Exist Substructure, Ph 2 B-624/625 Stg 1	5	02-Jul-18	09-Jul-18
Weight Station Pedestrian Tunnel		50	01-Aug-18	25-Oct-18
C202-1000	Start Milestone, Ph 2 Wgt Stn	0	01-Aug-18	
C202-1010	Site Prep and Install SOE, Ph 2 Wgt Stn	5	01-Aug-18	07-Aug-18
C202-1020	Demo Exist Ped Tunnel (Partial), Ph 2 Wgt Stn	5	09-Aug-18	16-Aug-18
C202-1030	Construct Ped Tunnel, Ph 2 Wgt Stn	30	17-Aug-18	08-Oct-18
C202-1040	Backfill Tunnel, Ph 2 Wgt Stn	5	09-Oct-18	16-Oct-18
C202-1050	Remove SOE, Ph 2 Wgt Stn	5	18-Oct-18	25-Oct-18
C202-1060	Finish Milestone, Ph 2 Wgt Stn	0		25-Oct-18
Phase 3 - Mill & Overlay		306	08-Feb-18	16-Aug-19
C300-1090	ROW Acquisition	180	08-Feb-18	06-Aug-18
C300-1000	Start Milestone, Ph 3	0	25-Apr-19	
C300-1010	Install MOT, Ph 3	5	25-Apr-19	01-May-19
C300-1020	Install Soundwall Posts and Foundations, Ph 3	45	02-May-19	25-Jul-19
C300-1040	Mill-and-Overlay, Ph 3	5	02-May-19	08-May-19
C300-1070	Final Paving, Ph 3	5	10-May-19	17-May-19
C300-1030	Install Sound Panels & Restore Site, Ph 3	30	07-Jun-19	02-Aug-19



Remaining Level of Effort | Remaining Work | ◆ Milestone
Actual Work | Critical Remaining Work

TASK filter: All Activities

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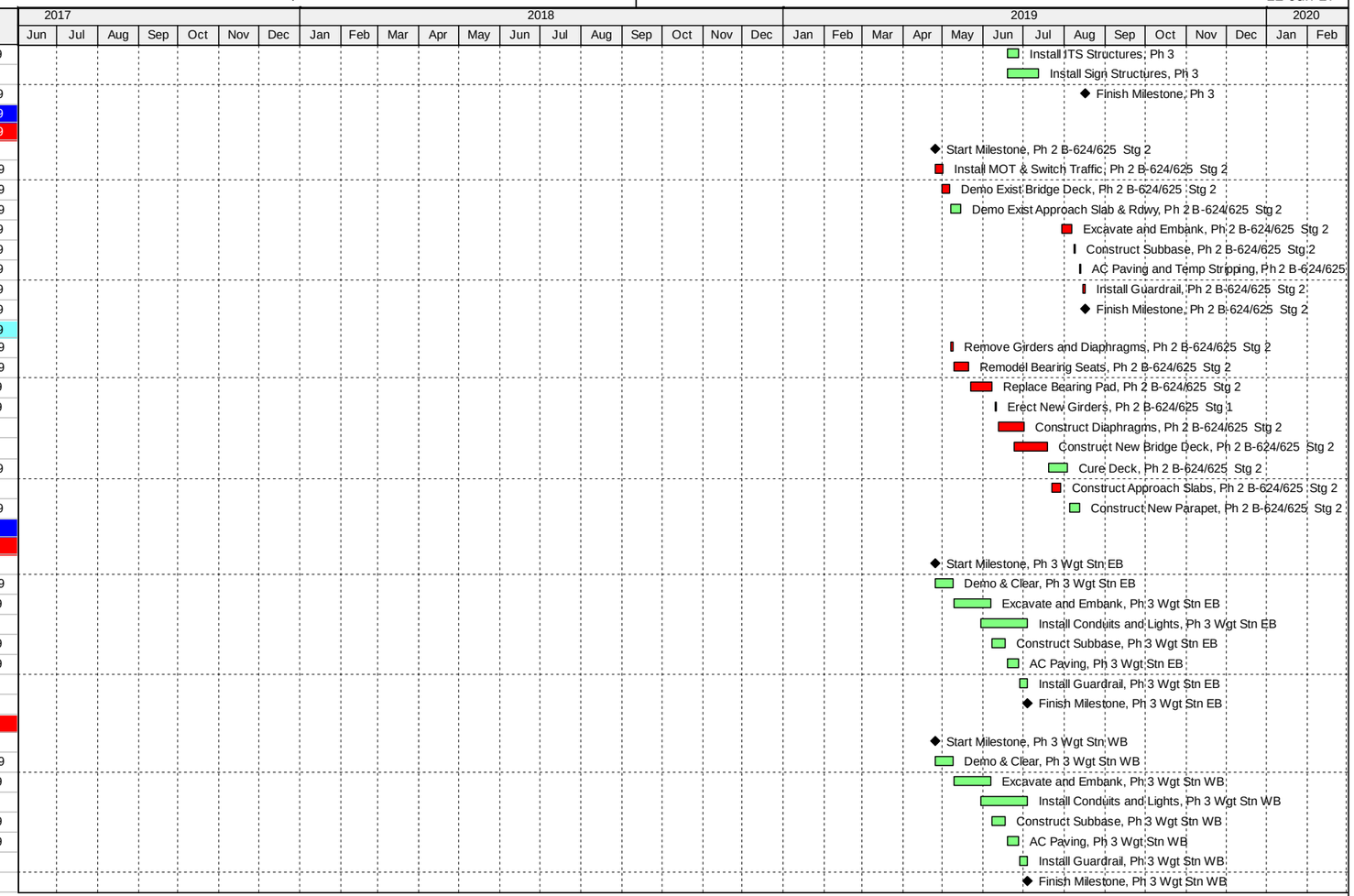
Activity ID	Activity Name	Original Duration	Start	Finish
C300-1050	Install ITS Structures, Ph 3	5	19-Jun-19	27-Jun-19
C300-1080	Install Sign Structures, Ph 3	15	19-Jun-19	12-Jul-19
C300-1060	Finish Milestone, Ph 3	0		16-Aug-19
Bridge B-624 & B-625		63	25-Apr-19	16-Aug-19
Stage 2		63	25-Apr-19	16-Aug-19
C201B1000	Start Milestone, Ph 2 B-624/625 Stg 2	0	25-Apr-19	
C201B1010	Install MOT & Switch Traffic, Ph 2 B-624/625 Stg 2	5	25-Apr-19	01-May-19
C201B1020	Demo Exist Bridge Deck, Ph 2 B-624/625 Stg 2	5	30-Apr-19	06-May-19
C201B1070	Demo Exist Approach Slab & Rdwy, Ph 2 B-624/625 Stg 2	5	07-May-19	14-May-19
C201B1080	Excavate and Embank, Ph 2 B-624/625 Stg 2	5	30-Jul-19	06-Aug-19
C201B1090	Construct Subbase, Ph 2 B-624/625 Stg 2	2	08-Aug-19	09-Aug-19
C201B1100	AC Paving and Temp Stripping, Ph 2 B-624/625 Stg 2	2	12-Aug-19	13-Aug-19
C201B1110	Install Guardrail, Ph 2 B-624/625 Stg 2	2	15-Aug-19	16-Aug-19
C201B1120	Finish Milestone, Ph 2 B-624/625 Stg 2	0		16-Aug-19
Superstructure		52	07-May-19	12-Aug-19
C201B1130	Remove Girders and Diaphragms, Ph 2 B-624/625 Stg 2	2	07-May-19	08-May-19
C201B1150	Remodel Bearing Seats, Ph 2 B-624/625 Stg 2	6	10-May-19	20-May-19
C201B1140	Replace Bearing Pad, Ph 2 B-624/625 Stg 2	10	22-May-19	07-Jun-19
C201B1310	Erect New Girders, Ph 2 B-624/625 Stg 1	1	10-Jun-19	10-Jun-19
C201B1320	Construct Diaphragms, Ph 2 B-624/625 Stg 2	10	12-Jun-19	01-Jul-19
C201B1030	Construct New Bridge Deck, Ph 2 B-624/625 Stg 2	15	24-Jun-19	19-Jul-19
C201B1040	Cure Deck, Ph 2 B-624/625 Stg 2	15	20-Jul-19	03-Aug-19
C201B1060	Construct Approach Slabs, Ph 2 B-624/625 Stg 2	5	22-Jul-19	29-Jul-19
C201B1050	Construct New Parapet, Ph 2 B-624/625 Stg 2	5	05-Aug-19	12-Aug-19
Weight Station		40	25-Apr-19	04-Jul-19
EB Lanes		40	25-Apr-19	04-Jul-19
C301-1000	Start Milestone, Ph 3 Wgt Stn EB	0	25-Apr-19	
C301-1010	Demo & Clear, Ph 3 Wgt Stn EB	10	25-Apr-19	08-May-19
C301-1020	Excavate and Embank, Ph 3 Wgt Stn EB	15	10-May-19	06-Jun-19
C301-1070	Install Conduits and Lights, Ph 3 Wgt Stn EB	20	30-May-19	04-Jul-19
C301-1030	Construct Subbase, Ph 3 Wgt Stn EB	5	07-Jun-19	17-Jun-19
C301-1040	AC Paving, Ph 3 Wgt Stn EB	5	19-Jun-19	27-Jun-19
C301-1050	Install Guardrail, Ph 3 Wgt Stn EB	5	28-Jun-19	04-Jul-19
C301-1060	Finish Milestone, Ph 3 Wgt Stn EB	0		04-Jul-19
WB Lanes		40	25-Apr-19	04-Jul-19
C302-1000	Start Milestone, Ph 3 Wgt Stn WB	0	25-Apr-19	
C302-1010	Demo & Clear, Ph 3 Wgt Stn WB	10	25-Apr-19	08-May-19
C302-1020	Excavate and Embank, Ph 3 Wgt Stn WB	15	10-May-19	06-Jun-19
C302-1070	Install Conduits and Lights, Ph 3 Wgt Stn WB	20	30-May-19	04-Jul-19
C302-1030	Construct Subbase, Ph 3 Wgt Stn WB	5	07-Jun-19	17-Jun-19
C302-1040	AC Paving, Ph 3 Wgt Stn WB	5	19-Jun-19	27-Jun-19
C302-1050	Install Guardrail, Ph 3 Wgt Stn WB	5	28-Jun-19	04-Jul-19
C302-1060	Finish Milestone, Ph 3 Wgt Stn WB	0		04-Jul-19



Remaining Level of Effort | Remaining Work | ◆ Milestone
Actual Work | Critical Remaining Work

TASK filter: All Activities

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