

ORIGINAL

LETTER OF SUBMITTAL AND ATTACHMENTS

Design-Build Gloucester Parkway Extension

From: Loudoun County Parkway
To: Pacific Boulevard
Loudoun County, VA

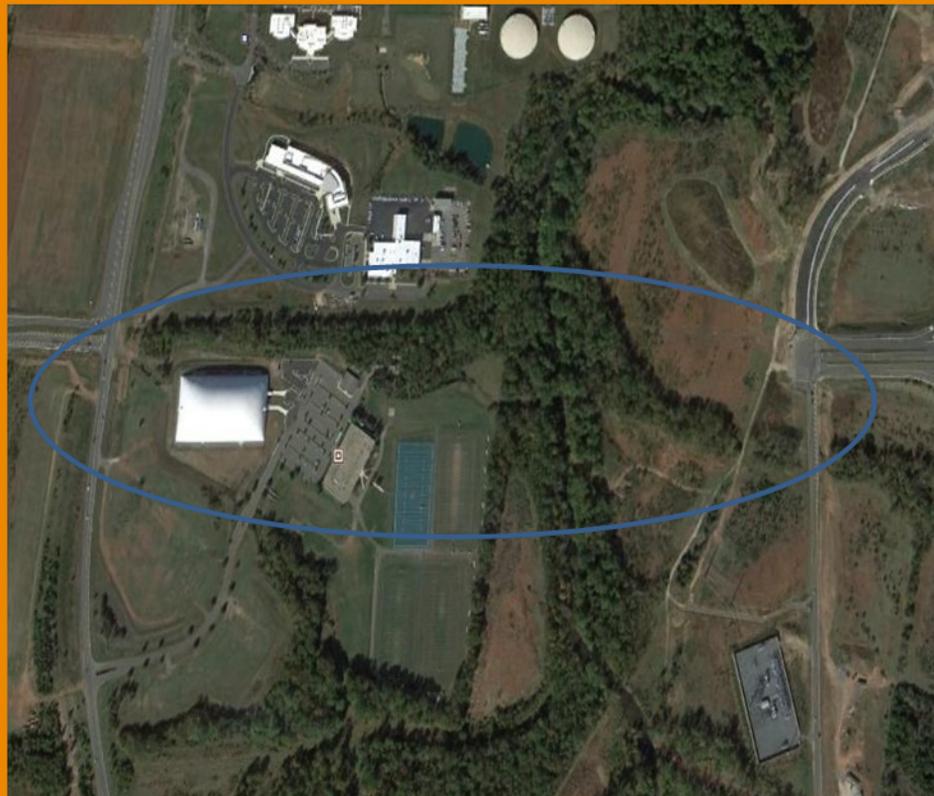
State Project No. 2150-053-052
Contract ID Number: C00104418DB68

VOLUME 1

Submitted by:



&



Submitted to: Virginia Department of Transportation
1401 E. Broad Street
Richmond, Virginia 23219



JANUARY 16, 2014

January 16, 2014

Mr. Kevin C. Reichert, PE
Virginia Department of Transportation (VDOT)
1401 East Broad Street
Annex Building, 8th Floor
Richmond, VA 23219

**RE: Request for Proposal
Design-Build Gloucester Parkway Extension
From: Loudoun County Parkway / To: Pacific Boulevard, Loudoun County, VA
State Project No.: 2150-053-052 / Contract ID No: C00104418DB68
Letter of Submittal**

Dear Mr. Reichert:

In response to the above referenced RFP, Corman Construction, Inc. (Corman) is pleased to submit one original Letter of Submittal and Attachments to the Letter of Submittal and one CD-ROM containing the proposal in a single cohesive Adobe PDF file.

4.1.1 Offeror: Corman Construction, Inc., 12001 Guilford Road, Annapolis Junction, MD 20701

4.1.2 Corman declares our intent that, if selected, we will enter into a contract with VDOT for the Project in accordance with the terms of this RFP.

4.1.3 Pursuant to Part 1, Section 8.2, Corman declares that the offer represented by our Proposal will remain in full force and effect for 120 days after the date the Letter of Submittal and Attachments are submitted to VDOT.

4.1.4 Point of Contact: Jo Ellen Sines, DBIA - Vice President Project Development – Corman Construction, 12001 Guilford Road, Annapolis Junction, MD 20701; 301-953-0900 (Telephone); 301-343-5484 (Cell); 301-953-0384 (Fax); jsines@cormanconstruction.com. Alternate: Louis Robbins, PE, DBIA – Vice President, Design-Build; 301-953-0900 (Telephone); 301-953-0384 (Fax); 301-703-772-8566 (Cell); lrobbins@cormanconstruction.com.

4.1.5 Principal Officer: Arthur C. Cox, III, Vice President of Corman Construction, Inc., 12001 Guilford Road, Annapolis Junction, MD 20701; 410-792-9400 x235; 240-882-3973 (Cell).

4.1.6 Final Completion Date: 8/05/16

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

4.1.8 Debarment Forms: Certification Regarding Debarment Forms (Attachments 11.8.6(a) & 11.8.6(b)) have been signed and are included in the Appendix.

4.1.9 Corman's proposed project concept included with this Letter of Submittal is fully compliant with the Design Criteria Table included in this RFP and all the other requirements of the RFP. Also, Corman certifies that proposed limits of construction to include all stormwater management facilities are located within the right-of-way limits shown on the RFP plans with the exception of permanent and temporary easements and that Corman's design concept does not require Design Exception and/or Design Waivers unless they are identified or included in the RFP or Addendum.

4.1.10 DBE Requirements: Corman is committed to achieving a 6% DBE participation goal for the entire value of the contract.

We present to you a design-build team equipped with the experience, knowledge, dedication, and resources to partner with the Virginia Department of Transportation in successfully delivering the **Gloucester Parkway Extension Design-Build** project.

Sincerely,

CORMAN CONSTRUCTION, INC.



Arthur C. Cox, III, Vice President

4.2 ATTACHMENTS TO THE LETTER OF SUBMITTAL

4.2.1 Organizational Chart and Key Personnel

The Corman DB Team has requested VDOT approval to replace proposed Construction Manager Chris Clark with Kyle Kern. The letter requesting this change, including his resume is included with this package. GeoConcepts, Inc., one of our proposed QA Labs, has withdrawn from the Corman DB Team. Below is a revised organizational chart reflecting these changes:



4.2.2 Conceptual Roadway Plans

The Corman DB Team's 11 x 17 Conceptual Roadway Plans are enclosed in Volume 2, comply with the Design Criteria Table, and meet the requirements in the RFP.

4.2.3 Conceptual Bridge Plans

The Corman DB Team's 11 x 17 Conceptual Roadway Plans are enclosed in Volume 2 and meet the requirements in the RFP.

4.2.4 Proposal Schedule

4.2.4.1 The Corman DB Team's project schedule is enclosed in Volume 2 and meets the requirements in the RFP.

4.2.4.2 Proposal Schedule Narrative

The Corman DB Team has thoroughly evaluated the RFP documents, performed site visits of Loudoun County Parkway and Pacific Boulevard, attended pre-proposal meetings, participated in proprietary meeting discussions, and conducted working sessions among our construction and design teams. Through this progression, we developed a simplified solution to deliver the project through our sequencing plan. This narrative explains how we plan to deliver a positive experience to VDOT and the stakeholders. The project completion date is as shown in the RFP of August 5, 2016.

Project Milestones

Notice of Intent to Award Date	February 7, 2014
CTB Approval/Notice to Award	March 19, 2014
Notice to Proceed	April 18, 2014
Bridge Released for Construction	September 25, 2014
Roadway Released for Construction	October 31, 2014
Final Project Completion:	August 5, 2016

Work Breakdown Structure

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

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

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

Level 3: Environmental Permitting - Includes the SWPP as a supporting document to the VSMP application.

Level 4: Design – Includes Stage I/R.O.W. and Stage II/Final design cycles with time allocated for engineering services, plan development, QA/QC reviews, VDOT, and other regulatory agency reviews and approvals of plans.

Level 5: Right of Way Acquisition Titles and appraisals will be formulated. VDOT will review the appraisals. Upon settlement of the ROW negotiations, the Notice to Commence Construction will be issued.

Level 6: Utility Relocations – Includes activities for the UFI meetings, finalizing UT-9 Forms, preparation of the preliminary engineering estimates, utility relocation design by the our team and utility owners, approval of P & E estimates, utility design approvals, and utility relocations.

Level 7: Construction – Includes all components of roadway and bridge construction, as well as erosion & sediment controls, storm water management, and construction, signals, ditches/drainage, lighting, and roadside improvements. QA/QC witness and hold points are incorporated in this section. Public Relations are included in the general section of this phase.

WORK BREAKDOWN STRUCTURE

Phase 01	Schedule Milestones
Phase 02	Scope Validation Period
Phase 03	Environmental Permitting
Phase 04	Design 4.1 Prelim Roadway/Bridge Plan (Stage I) 4.2 Final Roadway/Bridge Plan (Stage II) 4.3 Right of Way Plans 4.4 Ready For Construction Design 4.5 Design Support During Construction/As-Built Drawings
Phase 05	Right-of-Way Acquisition
Phase 06	Utility Relocations
Phase 07	Construction 7.1 Public Involvement 7.2 Pre-Construction Submittals 7.3 Bridge Construction 7.3.1 West of Broad Run 7.3.2 East of Broad Run 7.4 West of Bridge 7.5 East of Bridge

	7.6	Loudon Co. Parkway
	7.7	Milling & Overlay
	7.7.1	Pacific Blvd.
	7.7.2	Loudon Parkway
	7.7.3	Gloucester

Calendars

Three project calendars were used in the schedule and include:

“5 Day Workweek with Basic Holidays” – This calendar is based on five working days per week and is used for activities and includes holiday restrictions not impacted by the weather.

“Asphalt Paving” – This calendar is based on a non-work period from December 22 through February 28 for weather dependent activities, such as asphalt paving.

“Calendar Days” – This calendar is based on seven days per week and is used for design, permitting and review periods.

Design Phase

The design phase includes preparation, QA/QC reviews, and submissions of Stage I/R.O.W., Stage II/Final and Ready for Construction design stages of the bridge and roadway design process. Included are 21-day review activities for VDOT review periods. Included to support the plan preparation is survey coordination and mapping, geotechnical investigations, and utility designations. Activities are included for geotechnical investigations, reports and a 45-day period for VDOT’s review of the geotechnical report prior to submitting the final roadway package. The design phase will begin immediately upon Notice of Intent to Award to begin work advancing the concept plans to the Stage I/R.O.W. It is expected to have Ready for Construction plans in October 2014.

Environmental Permitting

Activities have been incorporated for the full project wide concept SWM/ES Plan, Complete Wetland Delineation, Confirm Jurisdictional Determinations, Threatened and Endangered Species, Individual Wetland Permit and the VSMP Permit. The VMRC Permit, USCOE Permit and the Virginia Water Protection (VWP) Permit, are on the critical path due to the long durations to obtain these permits. Getting these applications in early and correctly will be imperative to keep the permits from delaying the project.

Right-of-Way Acquisition

At the conclusion of the Stage I design it is anticipated to receive the Notice to Commence Right of Way Acquisition. This series of events are also very important as they are very close to the critical path. Right of way will be necessary to continue the bridge work East of Broad Run and the bridge work is critical path. Furthermore, ROW will be necessary to complete the utility relocations which could impact the completion of the roadwork.

Utility Relocations

Utility relocations will be needed to complete the Shared Use Path, and the work on Loudoun County Parkway. The relocations at this point do not impact the start of the project, but could delay the completion of the project if not completed in a timely manner.

Construction

Bridge Construction West of Broad Run is scheduled to begin after mobilization which immediately follows the Permit Approval. Because there is no Right of Way work and no utilities to be relocated, the work for this portion of the Bridge can start immediately. Bridge Construction East of Broad Run is unable to start until ROW Acquisition is complete.

Road Construction West of the Bridge is scheduled to begin immediately. Construction is anticipated to be performed in two major phases: West of the Bridge, East of the Bridge and three minor stages Loudoun County Parkway turning lane and the Milling and Overlay work.

Plan to Execute the Work

In general, we plan to complete the design of the project prior to commencing construction, perform the construction with completion of the project on or before the Final Completion Date of 8/5/2016.

For this project we have made the following assumptions:

- ROW Requirements: Will not prohibit the start of the West Side of the Bridge roadwork.
- Utility Relocations: Will be done soon after R.O.W and will not impact the schedule.
- Proposed work by others as shown RFP drawings will be completed prior to adjacent work
- Final Job Completion: Work will be completed by August 5, 2016.

Schedule Overview

Notice of Intent to Award:	January 31, 2014
Design Activities:	February 2014 – October 2014
Construction:	December 2014 – August 2016
Final Completion:	August 05, 2016

Construction

Construction will be as follows:

Roadwork - Construction starts immediately on the West side of the Bridge. There are no obstacles to prevent this work from starting. However, the installation of the sidewalks and Shared Use Path cannot be started until the Right of Way is obtained in the 105+00 to 107+00 and the 112+00 to 117+00, areas.

Bridge – Starts immediately at Abutment A and the first 3 piers east of Abutment A. Once Right of Way is obtained, work on the remaining piers will start. Both East Bound and West Bound Bridges will be constructed at the same time. Construction of the Bridges is expected to take approximately 17 months

Final Surfacing - Milling and or overlay on Loudoun County Parkway, Pacific Blvd. and Gloucester Parkway.

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

Critical Path

The Critical Path is shown in Volume 2. The critical path flows through the Permitting and the ROW/Stage I plans. Critical Path culminates with the Bridge Construction (East of Broad Run) and demobilization.

ATTACHMENT 4.0.1.1
GLOUCESTER PARKWAY EXTENSION
PROJECT NO. 2150-053-052

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.

Letter of Submittal 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	45-46
Acknowledgement of RFP, Revisions, and/or Addenda	Attachment 3.6 (Form C-78-RFP)	Sections 3.6; 4.0.1.1	47
Letter of Submittal	NA	Sections 4.1	1-2
Letter of Submittal on Offeror's letterhead	NA	Section 4.1.1	1
Offeror's full legal name and address	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	NA	Section 4.1.3	1
Point of Contact information	NA	Section 4.1.4	1
Principal Officer information	NA	Section 4.1.5	1
Final Completion Date	NA	Section 4.1.6	1
Executed Proposal Payment Agreement or Waiver of Proposal Payment	Attachment 9.3.1 Attachment 9.3.2	Section 4.1.7	48-51
Certification Regarding Debarment Forms	Attachment 11.8.6 (a) Attachment 11.8.6 (b)	Section 4.1.8	52-65
Written statement that Offeror's proposed concept included in the Attachments to the LOS is fully compliant with the Design			

ATTACHMENT 4.0.1.1
GLOUCESTER PARKWAY EXTENSION
PROJECT NO. 2150-053-052
LETTER OF SUBMITTAL AND ATTACHMENTS CHECKLIST

Letter of Submittal Component	Form (if any)	RFP Part 1 Cross Reference	Page Reference
Criteria Table and all other requirements of the RFP	NA	Section 4.1.9	2
Certification that the proposed limits of construction are located within the right-of-way limits shown on RFP plans	NA	Section 4.1.9	2
Written statement of percent DBE participation	NA	Section 4.1.10	2
Attachments to the Letter of Submittal	NA	Section 4.2	
Confirmation that the information provided in the SOQ submittal remains true and accurate or indicates that any requested changes were previously approved by VDOT	NA	Section 4.2.1	3
Organizational chart with any updates since the SOQ submittal clearly identified	NA	Section 4.2.1	3
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	Vol 2: 13-44
Conceptual Roadway Plans – Typical Sections	NA	Section 4.2.2	Vol 2: 13-44
Conceptual Structural Plans – Elevation View	NA	Section 4.2.3	Vol 2: 13-44
Conceptual Roadway Plans – Transverse Section	NA	Section 4.2.3	Vol 2: 13-44
Conceptual Roadway Plans – Abutment Configuration	NA	Section 4.2.3	Vol 2: 13-44
Proposal Schedule	NA	Section 4.2.4.1	Vol 2: 9-12
Proposal Schedule Narrative	NA	Section 4.2.4.2	4-8

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

RFP NO. C00104418DB68
 PROJECT NO.: 2150-053-052

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 August 29, 2013 – RFP
(Date)
2. Cover letter of December 19, 2013 – Addendum #1
(Date)
3. Cover letter of _____
(Date)

 _____ SIGNATURE	<u>01/16/2014</u> _____ DATE
_____ Arthur C. Cox, III _____ PRINTED NAME	_____ Vice President _____ TITLE

ATTACHMENT 9.3.1
PROPOSAL PAYMENT AGREEMENT

THIS PROPOSAL PAYMENT AGREEMENT (this “Agreement”) is made and entered into as of this 16 day of January, 2014, by and between the Virginia Department of Transportation (“VDOT”), and Corman Construction, Inc. (“Offeror”).

WITNESSETH:

WHEREAS, Offeror is one of the entities who submitted Statements of Qualifications (“SOQs”) pursuant to VDOT’s **June 6, 2013** Request for Qualifications (“RFQ”) and was invited to submit proposals in response to a Request for Proposals (“RFP”) for the **Gloucester Parkway Extension, Project No. 2150-053-052** (“Project”), under a design-build contract with VDOT (“Design-Build Contract”); and

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

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

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

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

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

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

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

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

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

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

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

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

9. **Miscellaneous.**

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

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

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

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

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

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

VIRGINIA DEPARTMENT OF TRANSPORTATION

By: _____

Name: _____

Title: _____

[Insert Offeror's Name] Corman Construction, Inc.

By: *ACox*

Name: Arthur C. Cox, III

Title: Vice President

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

Project No.: 2150-053-052

- 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.

	January 15, 2014	Partner
Signature	Date	Title

Rummel, Klepper & Kahl, LLP
Name of Firm

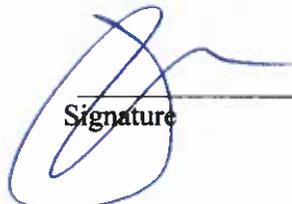
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The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

	January 2, 2014	Principal
Signature	Date	Title
<u>Sabra, Wang & Associates, Inc.</u>		
Name of Firm		

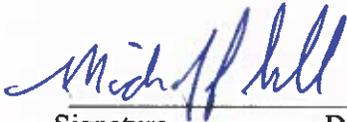
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1-02-2014

Vice President

Signature

Date

Title

ECS Mid-Atlantic, LLC

Name of Firm

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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.

	January 9, 2014	President
Signature	Date	Title

Quinn Consulting Services, Inc.

Name of Firm

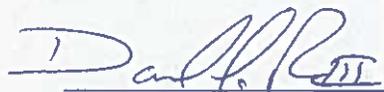
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	January 2, 2014	President
Signature	Date	Title

Rice Associates, Inc.
Name of Firm

ATTACHMENT 11.8.6(b)
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	<u>1/10/14</u>	<u>President</u>
Signature	Date	Title

On-Time Utility Solutions, LLC
Name of Firm

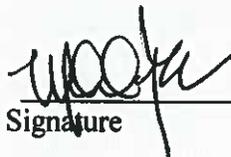
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Project No.: 2150-053-052

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- 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.

 1/21/2014 Chief Operating Officer
Signature Date Title

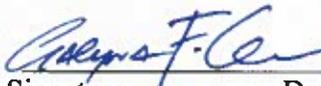
Bowman Consulting Group, Ltd.
Name of Firm

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

Project No.: 2150-053-052

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

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

	<u>01/02/2014</u>	<u>CONTRACTS MANAGER</u>
Signature	Date	Title

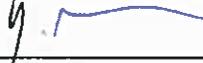
CTI CONSULTANTS, INC.
Name of Firm

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

Project No.: 2150-053-052

- 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.
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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.

	1/2/2014	President and CEO
Signature	Date	Title

DMY Engineering Consultants Inc.
Name of Firm

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

Project No.: 2150-053-052

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	January 2, 2014	Vice President
Signature	Date	Title

Specialized Engineering

Name of Firm

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

Project No.: 2150-053-052

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- 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.

Allen B. Anthony 1/14/14 Member/COO
Signature Date Title

Mountain Empire Acquisitions
Name of Firm

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

Project No.: 2150-053-052

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- 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.

	January 2, 2014	Managing Partner
Signature	Date	Title

Appraisal Review Specialists, LLC
Name of Firm

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

Project No.: 2150-053-052

- 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.

By: Caroline E. Thompson 1/9/13 President
Signature Date Title

Metro Tile Services, LLC
Name of Firm

LETTER OF SUBMITTAL AND ATTACHMENTS

Design-Build Gloucester Parkway Extension

From: Loudoun County Parkway

To: Pacific Boulevard

Loudoun County, VA

State Project No. 2150-053-052
Contract ID Number: C00104418DB68

VOLUME 2

Submitted by



&



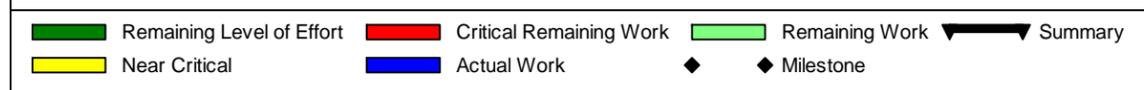
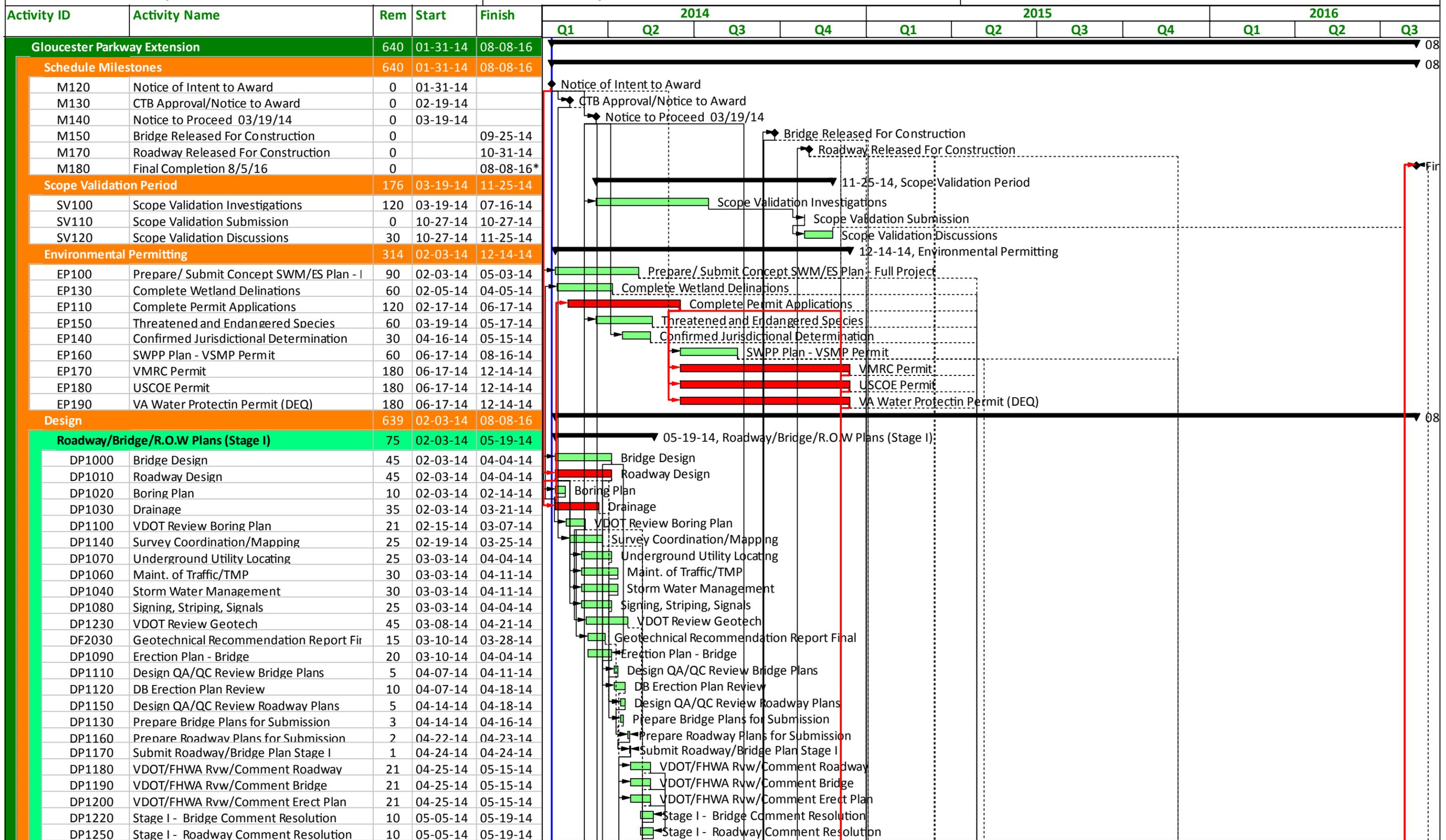
Submitted to: **Virginia Department of Transportation**

1401 E. Broad Street

Richmond, Virginia 23219

JANUARY 16, 2014



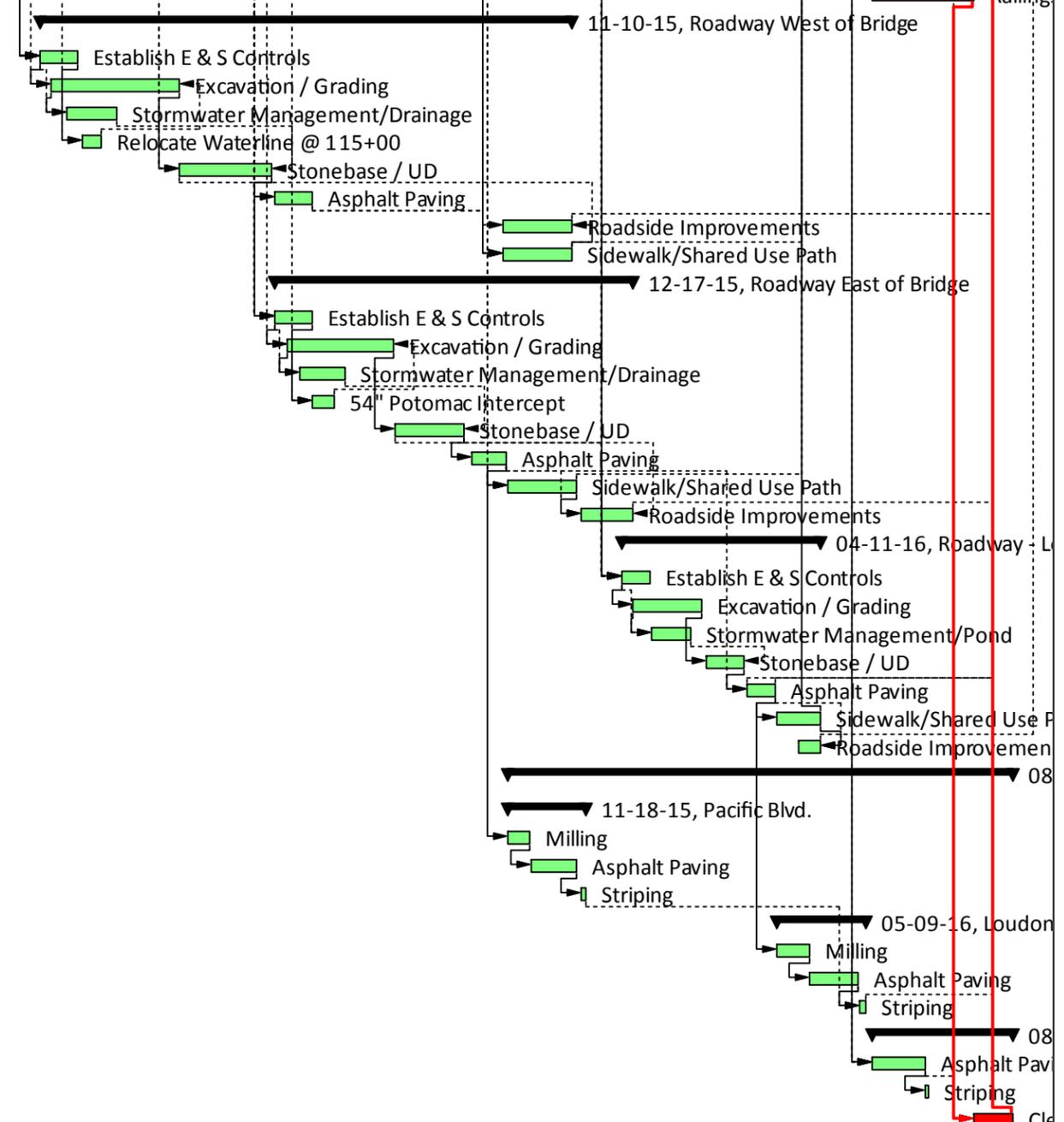


Activity ID	Activity Name	Rem	Start	Finish	2014				2015				2016			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
DP1210	Bridge Stage I Design Approval	0		05-19-14												
ROW180	Notice to Commence R.O.W. Acquisition	0		05-19-14												
DP1240	Roadway Stage I Design Approval	0		05-19-14												
Roadway/Bridge Plan (Stage II)		115	04-07-14	09-17-14	09-17-14, Roadway/Bridge Plan (Stage II)											
DF2050	Bridge Design (Final)	60	04-07-14	07-01-14												
DF2000	Roadway Plans (Final)	60	04-07-14	07-01-14												
DF2020	Stormwater Management	25	05-20-14	06-24-14												
DF2070	Maint. of Traffic / TMP (Final)	20	05-20-14	06-17-14												
DF2010	Drainage	25	05-20-14	06-24-14												
DF2100	Design QA/QC Review Bridge Plans	5	07-02-14	07-09-14												
DF2110	Prepare Bridge Plans for Submission	3	07-10-14	07-14-14												
DF2140	Submit Bridge Final Design	1	07-15-14	07-15-14												
DF2130	VDOT/FHWA Review/Comment Bridge	21	07-16-14	08-05-14												
DF2080	Design QA/QC Review Roadway Plans	5	07-31-14	08-06-14												
DF2135	Bridge Comment Resolution	10	08-06-14	08-19-14												
DF2090	Prepare Roadway Plans for Submission	3	08-07-14	08-11-14												
DF2170	Submit Roadway Final Design	1	08-13-14	08-13-14												
DF2120	VDOT/FHWA Review/Comment Roadway	21	08-14-14	09-03-14												
DF2125	Roadway Stage II Comment Resolution	10	09-04-14	09-17-14												
Ready For Construction Design		60	08-07-14	10-30-14	10-30-14, Ready For Construction Design											
RFC3011	Bridge and Structure Final Revisions	20	08-07-14	09-03-14												
RFC3020	Submit Bridge RFC for Approval	1	09-04-14	09-04-14												
RFC3030	VDOT/FHWA Review Bridge RFC	21	09-05-14	09-25-14												
RFC3010	Roadway Final Revisions	20	09-08-14	10-06-14												
RFC3040	Submit Roadway RFC for App.	1	10-08-14	10-08-14												
RFC3050	VDOT/FHWA Review Roadway RFC	21	10-10-14	10-30-14												
Design Support / As-Built Drawings		474	09-26-14	08-08-16	08-08-16, Design Support / As-Built Drawings											
DAB100	Design Support of Construction	474	09-26-14	08-08-16												
DAB110	As-Built Drawings	20	04-12-16	05-09-16												
Right of Way Acquisition		153	05-21-14	12-26-14	12-26-14, Right of Way Acquisition											
RW100	Right of Way Acquisition Start	0	05-21-14													
RW110	Prepare Titles	10	05-21-14	06-05-14												
RW120	Prepare Appraisals	20	06-05-14	07-03-14												
RW130	Independent Appraisal Review	4	07-07-14	07-11-14												
RW140	VDOT Appraisal Review	21	07-11-14	08-01-14												
RW150	VDOT Appraisal Approval	0		08-01-14												
RW160	Deliver offers	5	08-04-14	08-11-14												
RW170	Offer Negotiations	35	08-11-14	09-30-14												
RW180	Settlements	60	09-30-14	12-24-14												
RW200	Notice to Commence Constr. - ROW	0		12-26-14												
Utility Relocations		440	03-19-14	12-10-15	12-10-15, Utility Relocations											
U100	Meet w/VDOT Utility Mngr	1	03-19-14	03-19-14												
U115	UFI Meeting - All Utilities	1	04-25-14	04-25-14												
U120	Prepare UT9 Forms for Each Utility	25	04-30-14	06-04-14												
U125	Prelim Utility Status Report	1	09-05-14	09-05-14												
Dominion VA Power		385	06-06-14	12-10-15	12-10-15, Dominion VA Power											
UR1010	Dominion VA Power submits PE Estimate	15	06-06-14	06-26-14												
UR1020	Dominion VA Cost Approved	5	06-27-14	07-03-14												

█ Remaining Level of Effort
 █ Critical Remaining Work
 █ Remaining Work
 ▶ Summary
█ Near Critical
 █ Actual Work
 ◆ Milestone



Activity ID	Activity Name	Rem	Start	Finish	2014			2015				2016						
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3			
B1210	Beams/Deck	80	10-20-15	02-29-16														
B1220	Parapet	50	02-29-16	05-13-16														
B1230	Railings/Approach Slabs etc.	40	05-13-16	07-15-16														
Roadway West of Bridge		230	12-17-14	11-10-15														
CA110	Establish E & S Controls	15	12-17-14	01-09-15														
CA130	Excavation / Grading	50	12-24-14	03-12-15														
CA132	Stormwater Management/Drainage	20	01-02-15	02-02-15														
CA180	Relocate Waterline @ 115+00	10	01-12-15	01-23-15														
CA140	Stonebase / UD	40	03-13-15	05-08-15														
CA150	Asphalt Paving	15	05-11-15	06-02-15														
CA160	Roadside Improvements	30	09-28-15	11-10-15														
CA170	Sidewalk/Shared Use Path	30	09-28-15	11-10-15														
Roadway East of Bridge		154	05-11-15	12-17-15														
CB480	Establish E & S Controls	15	05-11-15	06-02-15														
CB450	Excavation / Grading	45	05-18-15	07-23-15														
CB520	Stormwater Management/Drainage	20	05-26-15	06-23-15														
CB460	54" Potomac Intercept	10	06-03-15	06-16-15														
CB490	Stonebase / UD	30	07-24-15	09-04-15														
CB540	Asphalt Paving	15	09-09-15	09-30-15														
CB560	Sidewalk/Shared Use Path	30	10-01-15	11-12-15														
CB550	Roadside Improvements	20	11-16-15	12-17-15														
Roadway - Loudon Co. Parkway		85	12-11-15	04-11-16														
CC130	Establish E & S Controls	10	12-11-15	12-28-15														
CC150	Excavation / Grading	25	12-18-15	01-29-16														
CC170	Stormwater Management/Pond	15	12-29-15	01-22-16														
CC200	Stonebase / UD	15	02-01-16	02-24-16														
CC210	Asphalt Paving	10	02-26-16	03-14-16														
CB570	Sidewalk/Shared Use Path	20	03-15-16	04-11-16														
CC220	Roadside Improvements	10	03-29-16	04-11-16														
Milling & Overlay		216	10-01-15	08-08-16														
Pacific Blvd.		33	10-01-15	11-18-15														
OR1000	Milling	10	10-01-15	10-15-15														
OR1010	Asphalt Paving	20	10-16-15	11-12-15														
OR1020	Striping	3	11-16-15	11-18-15														
Loudon Parkway		38	03-15-16	05-09-16														
LP1000	Milling	15	03-15-16	04-04-16														
LP1010	Asphalt Paving	20	04-05-16	05-04-16														
LP1020	Striping	3	05-05-16	05-09-16														
Gloucester		59	05-13-16	08-08-16														
LP1030	Asphalt Paving	20	05-13-16	06-15-16														
LP1040	Striping	3	06-15-16	06-17-16														
LP1050	Clean up/ Demobilization	15	07-15-16	08-08-16														



█ Remaining Level of Effort
 █ Critical Remaining Work
 █ Remaining Work
 Summary
 Near Critical
 Actual Work
◆ Milestone



4.2 CONCEPTUAL ROADWAY AND BRIDGE PLANS





THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING DESIGN PACKAGE (GEOPAK).
 GEOPAK Computer Identification No. 104418

COMMONWEALTH OF VIRGINIA
 DEPARTMENT OF TRANSPORTATION

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

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

DESIGN-BUILD - LOUDOUN COUNTY
 GLOUCESTER PARKWAY EXTENSION
 FROM: 0.20 MILES W. INTERSECTION RTE 607 LOUDOUN CO PKWY
 TO: INTERSECTION RTE 1036 PACIFIC BLVD



STATE	FEDERAL AID		STATE		SHEET NO.
	PROJECT	ROUTE	PROJECT		
VA.		2150	2150-053-052		1

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA

URBAN COLLECTOR STREET
 DESIGN SPEED 50 MPH

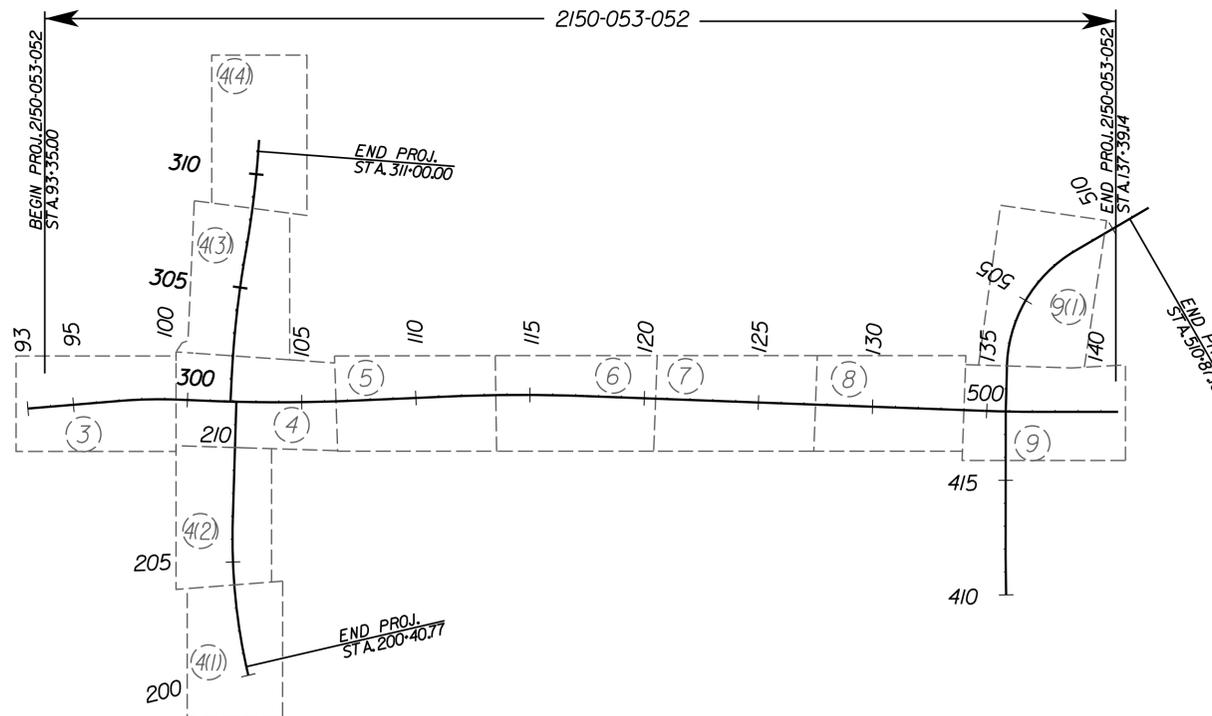
	MAINLINE	CONNECTION	CONNECTION
From:			
To:			
FUNCTIONAL CLASSIFICATION			
MIN. DESIGN SPEED			
ADT (Current Year)			
ADT (Design Year)			
DHV			
D (%) (design hour)			
T (%) (design hour)			
V (MPH)			
TC STD.			
GEOMETRIC STD.			

DB PROPOSAL SUBMITTAL
 JANUARY 16, 2014



CONVENTIONAL SIGNS

STATE LINE	---
COUNTY LINE	----
CITY, TOWN OR VILLAGE	-----
RIGHT OF WAY LINE	-----
FENCE LINE	-----
UNFENCED PROPERTY LINE	-----
FENCED PROPERTY LINE	-----
WATER LINE	-----
SANITARY SEWER LINE	-----
GAS LINE	-----
ELECTRIC UNDERGROUND CABLE	-----
TRAVELED WAY	-----
GUARD RAIL	-----
RETAINING WALL	-----
RAILROADS	-----
BASE OR SURVEY LINE	-----
LEVEE OR EMBANKMENT	-----
BRIDGES	-----
CULVERTS	-----
DROP INLET	-----
POWER POLES	-----
TELEPHONE OR TELEGRAPH POLES	-----
TELEPHONE OR TELEGRAPH LINES	-----
HEDGE	-----
TREES	-----
HEAVY WOODS	-----
GROUND ELEVATION	-----
GRADE ELEVATION	-----



THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY AS AWARDED, HAS BEEN SEALED AND SIGNED USING DIGITAL SIGNATURES AND THE OFFICIAL PLAN ASSEMBLY IN ELECTRONIC FORMAT IS STORED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY, INCLUDING ALL SUBSEQUENT REVISIONS, WILL BE THE OFFICIAL CONSTRUCTION PLANS. FOR INFORMATION RELATIVE TO ELECTRONIC FILES AND LAYERED PLANS, SEE THE GENERAL NOTES.

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

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT'S 2007 ROAD AND BRIDGE SPECIFICATIONS, 2008 ROAD AND BRIDGE STANDARDS, 2009 MUTCD, 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY.

ALL CURVES ARE TO BE SUPERELEVATED, TRANSITIONED AND WIDENED IN ACCORDANCE WITH STANDARD TC-5.11 U, EXCEPT WHERE OTHERWISE NOTED.

THE ORIGINAL APPROVED TITLE SHEET(S), INCLUDING ORIGINAL SIGNATURES, ARE FILED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY. ANY MISUSE OF ELECTRONIC FILES, INCLUDING SCANNED SIGNATURES, IS ILLEGAL AND ENFORCED TO THE FULL EXTENT OF THE LAW.

Population ----- (----- Census)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	EQUALITIES		LENGTH INCLUDING BRIDGE(S)		LENGTH EXCLUDING BRIDGE(S)		BRIDGE PLAN NO.	TYPE PROJECT	DESCRIPTION
					FEET		FEET	MILES	FEET	MILES			

Project Lengths are based on -----

RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION	
DATE	PROGRAMMING DIVISION DIRECTOR
DATE	STATE LOCATION AND DESIGN ENGINEER
DATE	CHIEF OF PROGRAMMING AND PLANNING
DATE	CHIEF ENGINEER

APPROVED FOR RIGHT OF WAY ACQUISITION	
DATE	CHIEF OF POLICY AND ENVIRONMENT

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION	
DATE	PROGRAMMING DIVISION DIRECTOR
DATE	STATE LOCATION AND DESIGN ENGINEER
DATE	STATE STRUCTURE AND BRIDGE ENGINEER
DATE	CHIEF OF PROGRAMMING AND PLANNING

APPROVED FOR CONSTRUCTION	
DATE	CHIEF ENGINEER

APPROVED	
DATE	DIVISION ADMINISTRATOR FEDERAL HIGHWAY ADMINISTRATION U.S. DEPARTMENT OF TRANSPORTATION

PROJECT MANAGER _____
 SURVEYED BY, DATE _____
 DESIGN BY _____
 SUBSURFACE UTILITY BY, DATE _____

PROJECT MANAGER: _____
 SURVEYED BY: _____
 DESIGN SUPERVISED BY: _____
 DESIGNED BY: _____

LOCATION MAP & INDEX OF SHEETS



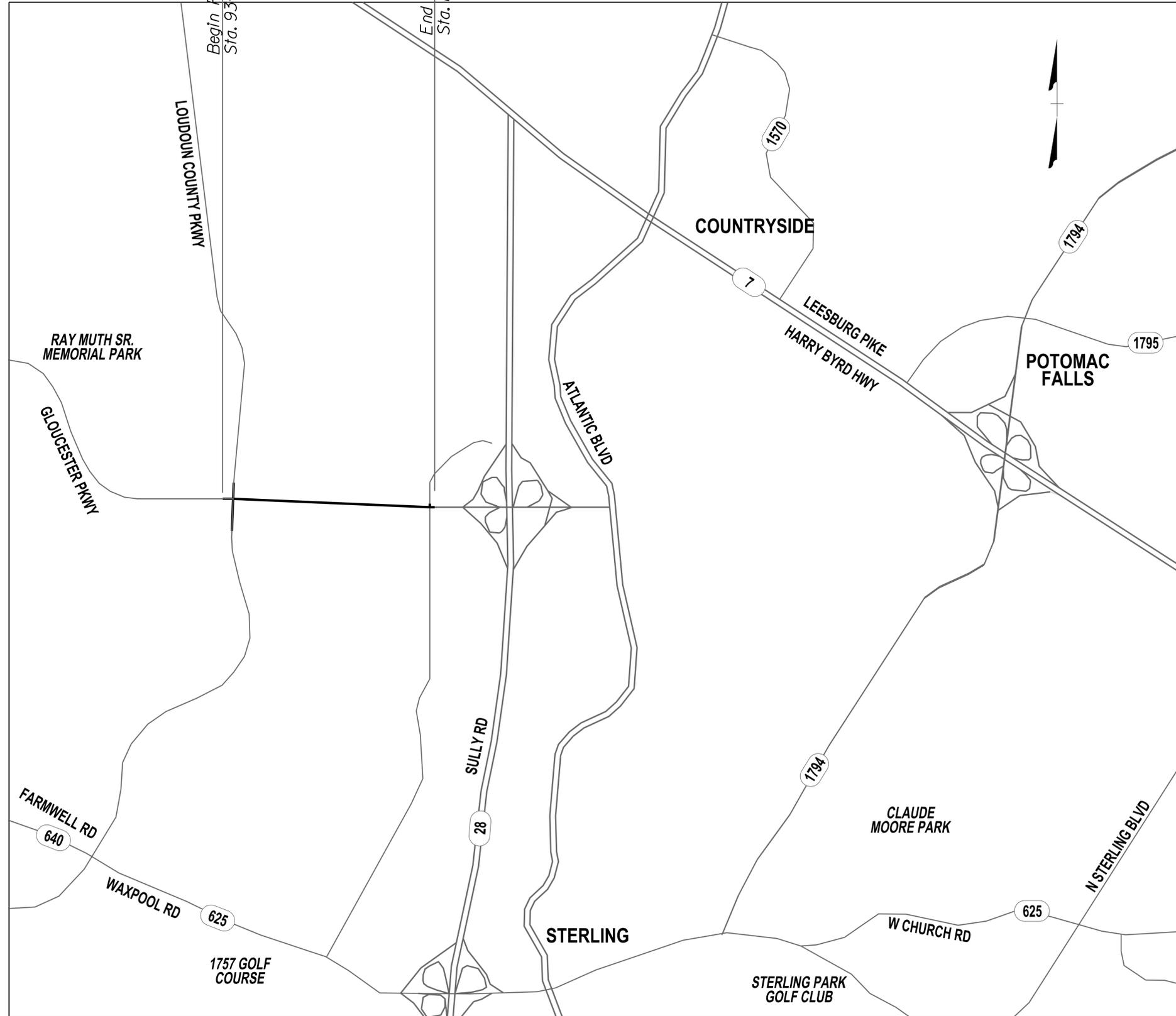
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	2150	2150-053-052 P101, R201, C501	1A

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

2150-053-052

LOUDOUN COUNTY

* Local roads not shown for clarity



INDEX OF SHEETS

SHEET NO.	DESCRIPTION	STATIONS
1	TITLE SHEET	
1A	LOCATION MAP & INDEX OF SHEETS	
2	TYPICAL SECTIONS	
3	PLAN SHEETS	93+00 to 99+50
3A	PROFILE SHEET	93+00 to 99+50
4	PLAN SHEETS	99+50 to 106+50
4A	PROFILE SHEET	99+50 to 106+50
4B	PROFILE SHEET (LOUDOUN COUNTY PKWY)	300+00 to 302+00
4(1)	PLAN SHEETS (LOUDOUN COUNTY PKWY)	200+00 to 204+40
4(2)	PLAN SHEETS (LOUDOUN COUNTY PKWY)	204+00 to 210+00
4(3)	PLAN SHEETS (LOUDOUN COUNTY PKWY)	302+00 to 308+50
4(3)A	PROFILE SHEET (LOUDOUN COUNTY PKWY)	302+00 to 308+50
4(4)	PLAN SHEETS (LOUDOUN COUNTY PKWY)	308+50 to 311+00.00
4(4)A	PROFILE SHEET (LOUDOUN COUNTY PKWY)	306+50 to 311+00
5	PLAN SHEETS	106+50 to 113+50
5A	PROFILE SHEET	106+50 to 113+50
5B	PROFILE SHEET (ENTRANCE)	25+00 to 26+50
6	PLAN SHEETS	113+50 to 120+50
6A	PROFILE SHEET	113+50 to 120+50
7	PLAN SHEETS	120+50 to 127+50
7A	PROFILE SHEET	120+50 to 127+50
8	PLAN SHEETS	127+50 to 134+00
8A	PROFILE SHEET	127+50 to 134+00
9	PLAN SHEETS	134+00 to 137+39
9A	PROFILE SHEET	134+00 to 137+39
9(1)	PLAN SHEETS	502+00 to 510+87
BRIDGE PLANS 295-81		
1	TITLE SHEET	
2	PLAN AND ELEVATION - 1	
3	PLAN AND ELEVATION - 2	
4	TRANSVERSE SECTION	
5	ABUTMENTS	
6	PIERS	

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

PROJECT MANAGER: _____
 SURVEYED BY: _____
 DESIGN SUPERVISED BY: _____
 DESIGNED BY: _____

LEGEND

-  Denotes Proposed Pavement
-  Denotes Pavement Milling, Buildup and/or Overlay
-  Denotes Concrete Sidewalk or Shared Use Path
-  Denotes Demolition of Pavement

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

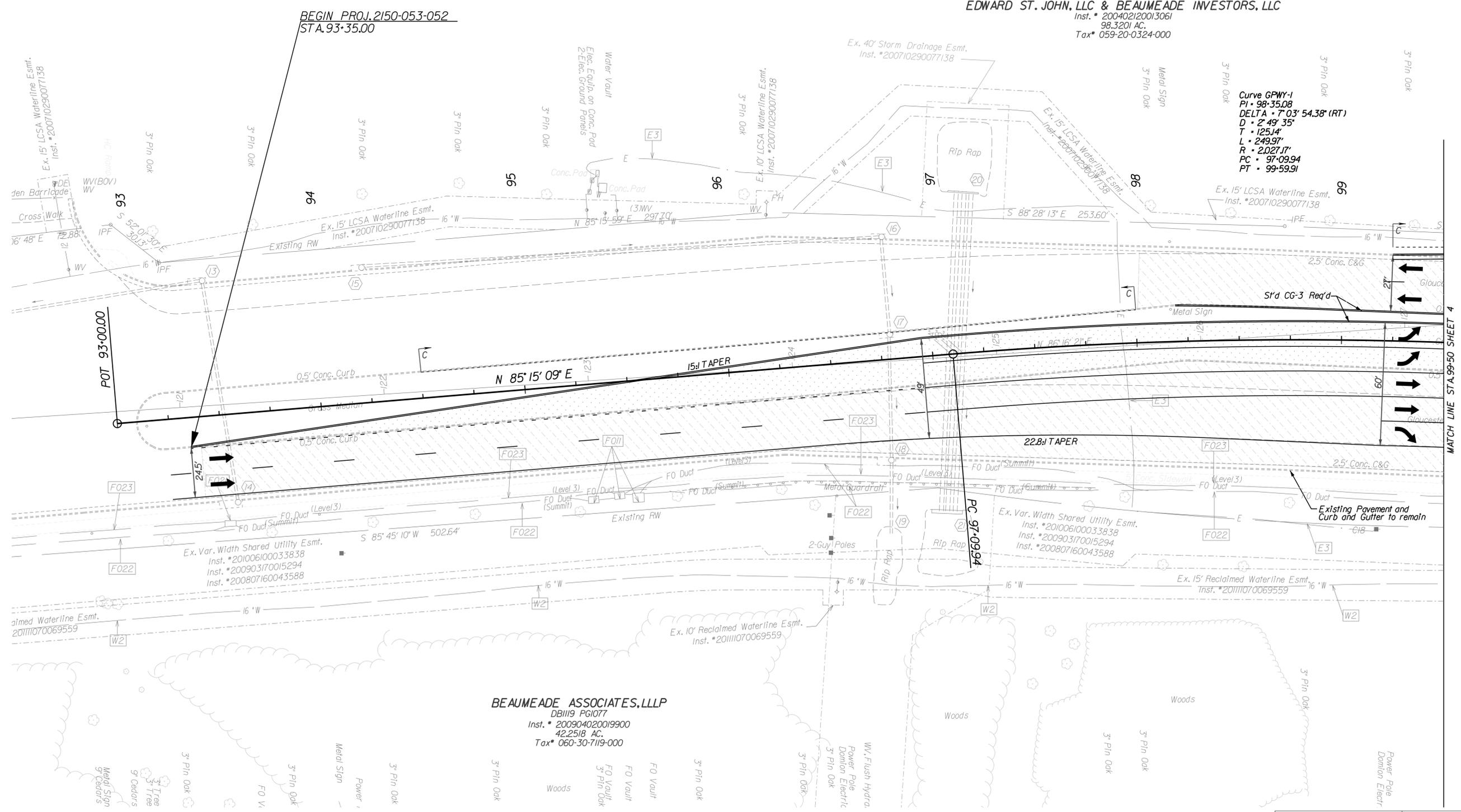
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.



REVISED	STATE		PROJECT	SHEET NO.
	VA.	ROUTE		
		2150	2150-053-052 P101, R201, C501	3

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

Notes:
 1. All proposed stormdrain pipes shall be a maximum diameter of 30 inches or less.

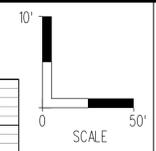


EDWARD ST. JOHN, LLC & BEAUMEADE INVESTORS, LLC
 Inst. # 200402120013061
 98.3201 AC.
 Tax# 059-20-0324-000

Curve GPWY-1
 PI = 98+35.08
 DELTA = 7° 03' 54.38" (RT)
 D = 2' 49' 35"
 T = 125.14'
 L = 249.97'
 R = 2,027.17'
 PC = 97+09.94
 PT = 99+59.91

BEAUMEADE ASSOCIATES, LLLP
 DB1119 PGI077
 Inst. # 200904020019900
 42.2518 AC.
 Tax# 060-30-7119-000

PROJECT MANAGER _____
 SURVEYED BY _____
 DESIGN SUPERVISED BY _____
 DESIGNED BY _____

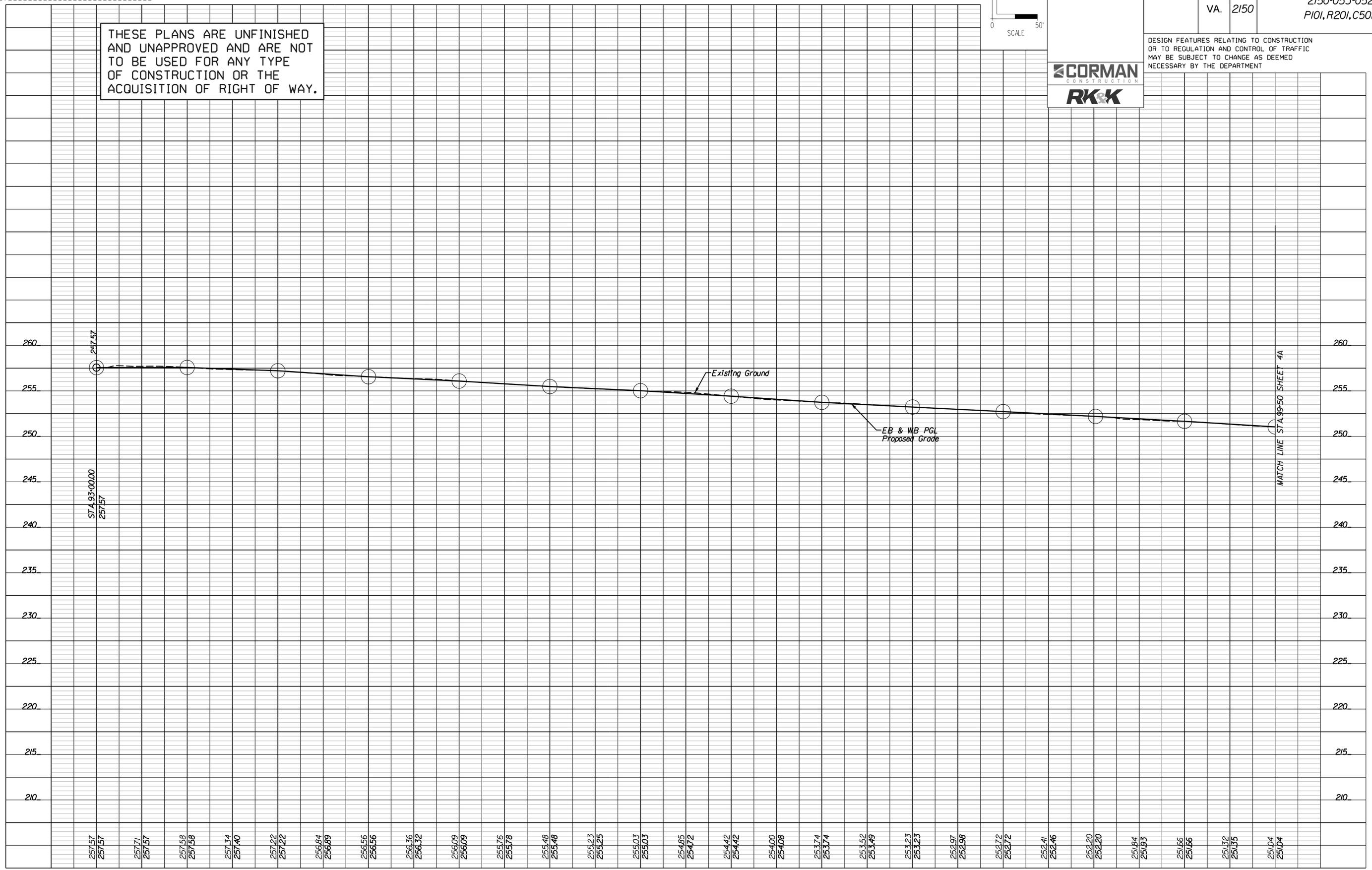


REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	2150		2150-053-052 P101, R201, C501	3A

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



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



STA. 93+00.00
257.57

MATCH LINE STA. 99+50 SHEET 4A

93+00.00

94+00.00

95+00.00

96+00.00

97+00.00

98+00.00

99+00.00

257.57
257.57

257.71
257.57

257.58
257.58

257.34
257.40

257.22
257.22

256.84
256.89

256.56
256.56

256.36
256.32

256.09
256.09

255.76
255.78

255.48
255.48

255.23
255.25

255.03
255.03

254.85
254.72

254.42
254.42

254.00
254.08

253.74
253.74

253.52
253.49

253.23
253.23

252.97
252.98

252.72
252.72

252.41
252.46

252.20
252.20

251.84
251.83

251.66
251.66

251.32
251.35

251.04
251.04

PROJECT MANAGER: _____
 SURVEYED BY: _____
 DESIGN SUPERVISED BY: _____
 DESIGNED BY: _____

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	2150	2150-053-052 P101, R201, C501	4

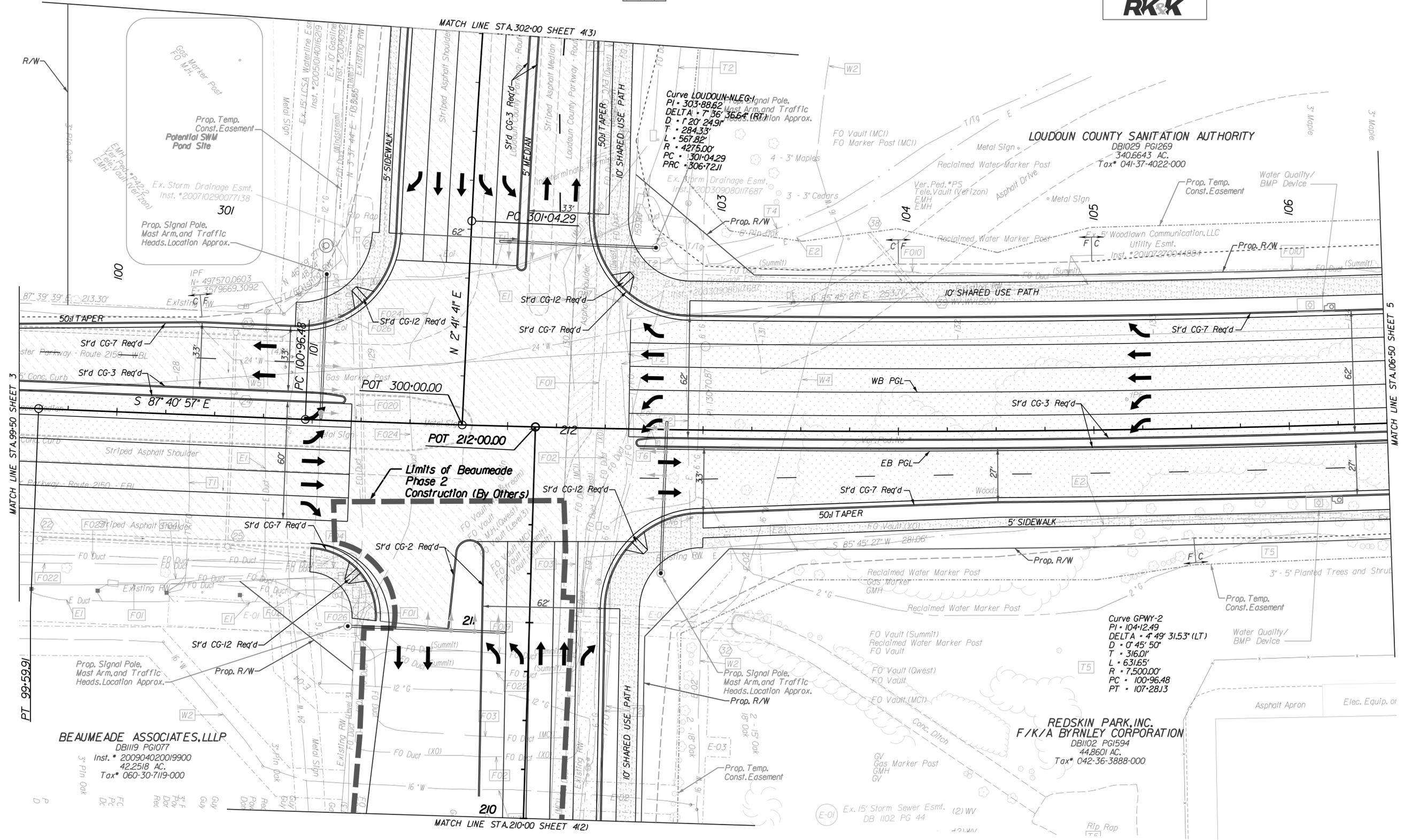
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

Notes:
 1. All proposed stormdrain pipes shall be a maximum diameter of 30 inches or less.

- LEGEND**
- Denotes Proposed Pavement
 - Denotes Pavement Milling, Buildup and/or Overlay
 - Denotes Concrete Sidewalk or Shared Use Path
 - Denotes Demolition of Pavement
 - Denotes Construction Limits in Cuts
 - Denotes Construction Limits in Fills



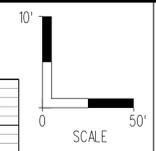
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



BEAUMEADE ASSOCIATES, LLLP
 DB1119 PG1077
 Inst. # 200904020019900
 42.2518 AC.
 Tax# 060-30-7119-000

REDSKIN PARK, INC.
 F/K/A BYRNLEY CORPORATION
 DB1102 PG1594
 44.8601 AC.
 Tax# 042-36-3888-000

PROJECT MANAGER _____
 SURVEYED BY _____
 DESIGN SUPERVISED BY _____
 DESIGNED BY _____

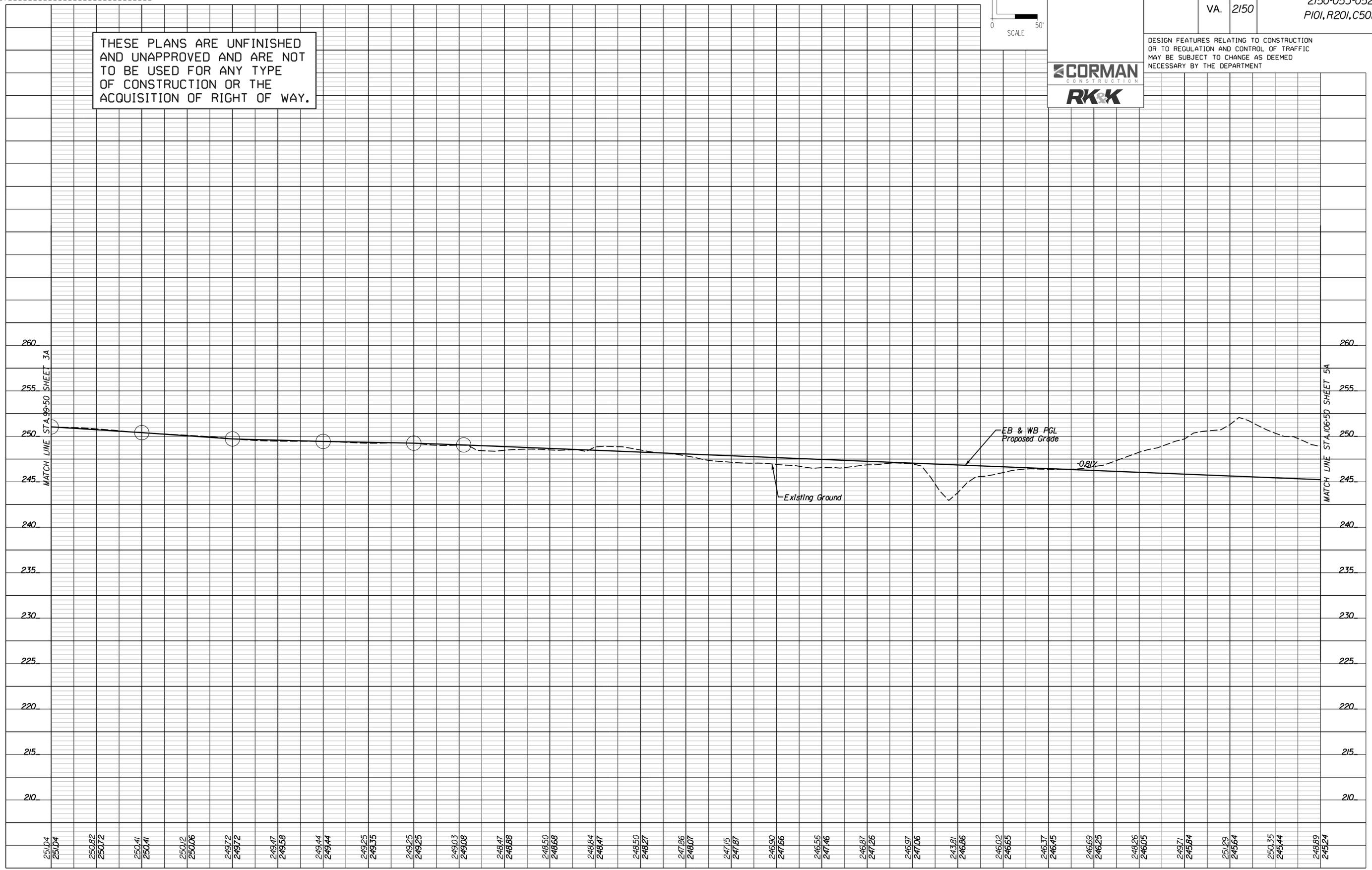


REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	2150	2150-053-052 P101, R201, C501	4A

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



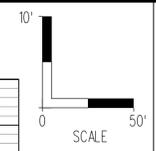
DESIGN FEATURES RELATING TO CONSTRUCTION
 OR TO REGULATION AND CONTROL OF TRAFFIC
 MAY BE SUBJECT TO CHANGE AS DEEMED
 NECESSARY BY THE DEPARTMENT



251.04
251.04
250.82
250.72
250.41
250.41
250.12
250.06
249.72
249.72
249.47
249.58
249.44
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249.03
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248.47
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248.50
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248.50
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247.86
248.07
247.15
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246.90
247.66
246.56
247.46
246.87
247.26
246.97
247.06
243.81
246.86
246.02
246.55
246.37
246.45
246.69
246.25
248.26
246.05
249.71
245.84
251.29
245.64
250.35
245.44
248.89
245.24

100-00.00 101-00.00 102-00.00 103-00.00 104-00.00 105-00.00 106-00.00

PROJECT MANAGER _____
 SURVEYED BY _____
 DESIGN SUPERVISED BY _____
 DESIGNED BY _____

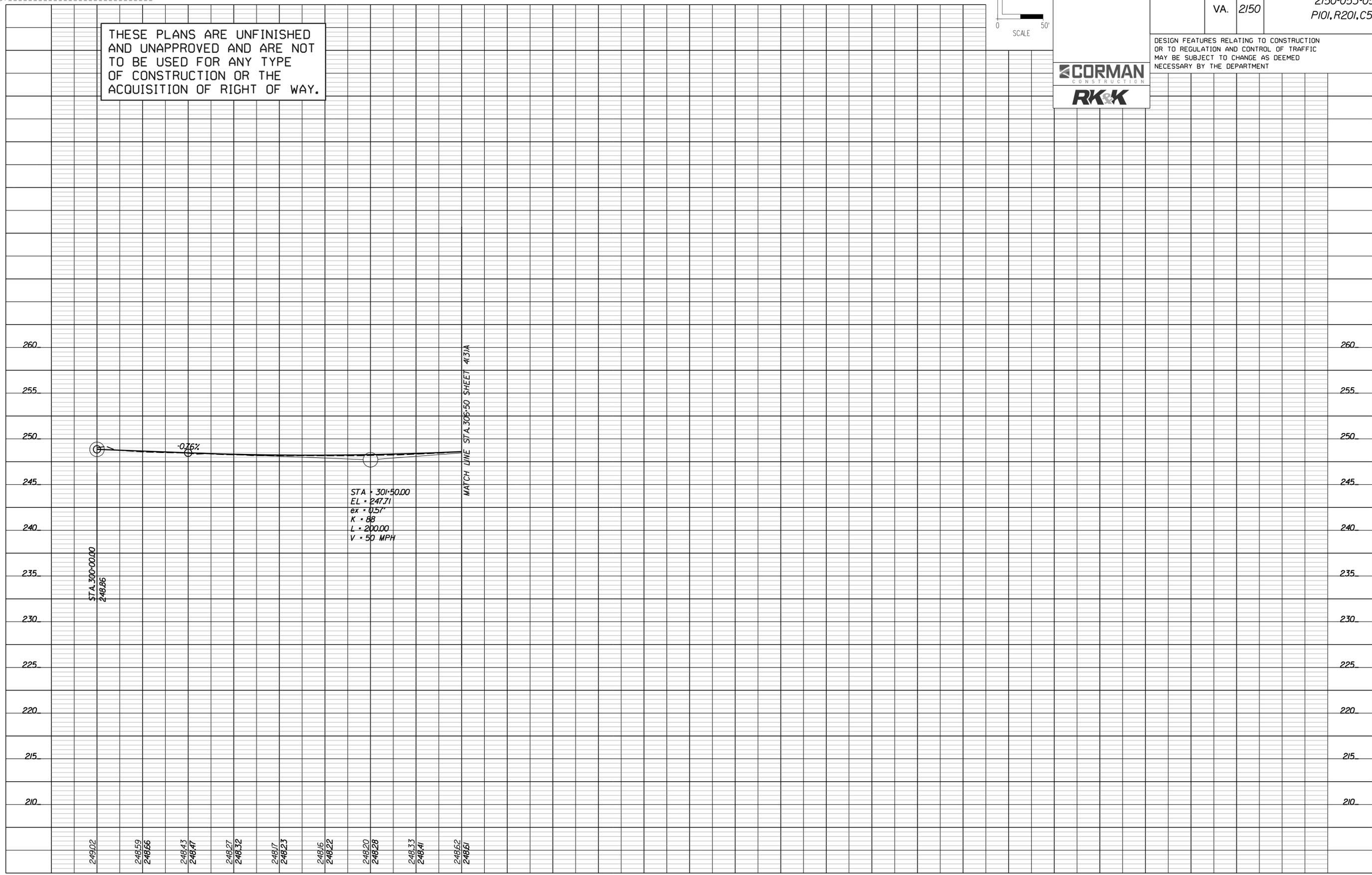


REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	2150	2150-053-052 P101, R201, C501	4131A

THESE PLANS ARE UNFINISHED
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 ACQUISITION OF RIGHT OF WAY.



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



300+00.00 301+00.00 302+00.00

PROJECT MANAGER: _____
 SURVEYED BY: _____
 DESIGN SUPERVISED BY: _____
 DESIGNED BY: _____

LEGEND

-  Denotes Proposed Pavement
-  Denotes Pavement Milling, Buildup and/or Overlay
-  Denotes Concrete Sidewalk or Shared Use Path
-  Denotes Demolition of Pavement

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

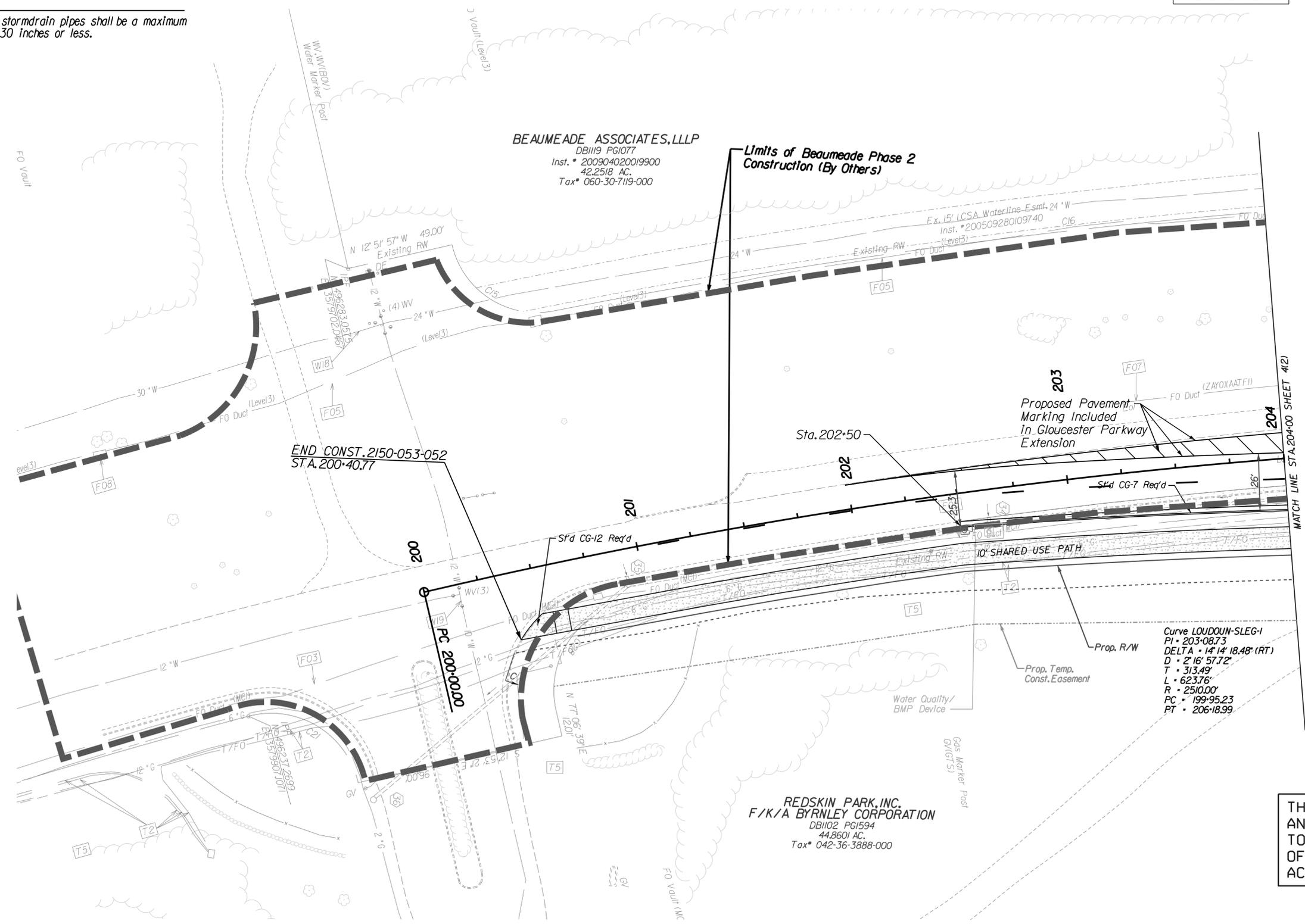


REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	2150	2150-053-052 P101, R201, C501	4(1)

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



Notes:
 1. All proposed stormdrain pipes shall be a maximum diameter of 30 inches or less.



BEAUMEADE ASSOCIATES, L.L.P.
 DB1119 PG1077
 Inst. # 200904020019900
 42.2518 AC.
 Tax# 060-30-7119-000

Limits of Beaumeade Phase 2 Construction (By Others)

203
 Proposed Pavement Marking Included In Gloucester Parkway Extension

Curve **LOUDOUN-SLEG-1**
 PI • 203+08.73
 DELTA • 14° 14' 18.48" (RT)
 D • 216' 57.72"
 T • 313.49'
 L • 623.76'
 R • 2510.00'
 PC • 199+95.23
 PT • 206+18.99

REDSKIN PARK, INC.
 F/K/A BYRNLEY CORPORATION
 DB1102 PG1594
 44.8601 AC.
 Tax# 042-36-3888-000

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PROJECT MANAGER: _____
 SURVEYED BY: _____
 DESIGN SUPERVISED BY: _____
 DESIGNED BY: _____

LEGEND

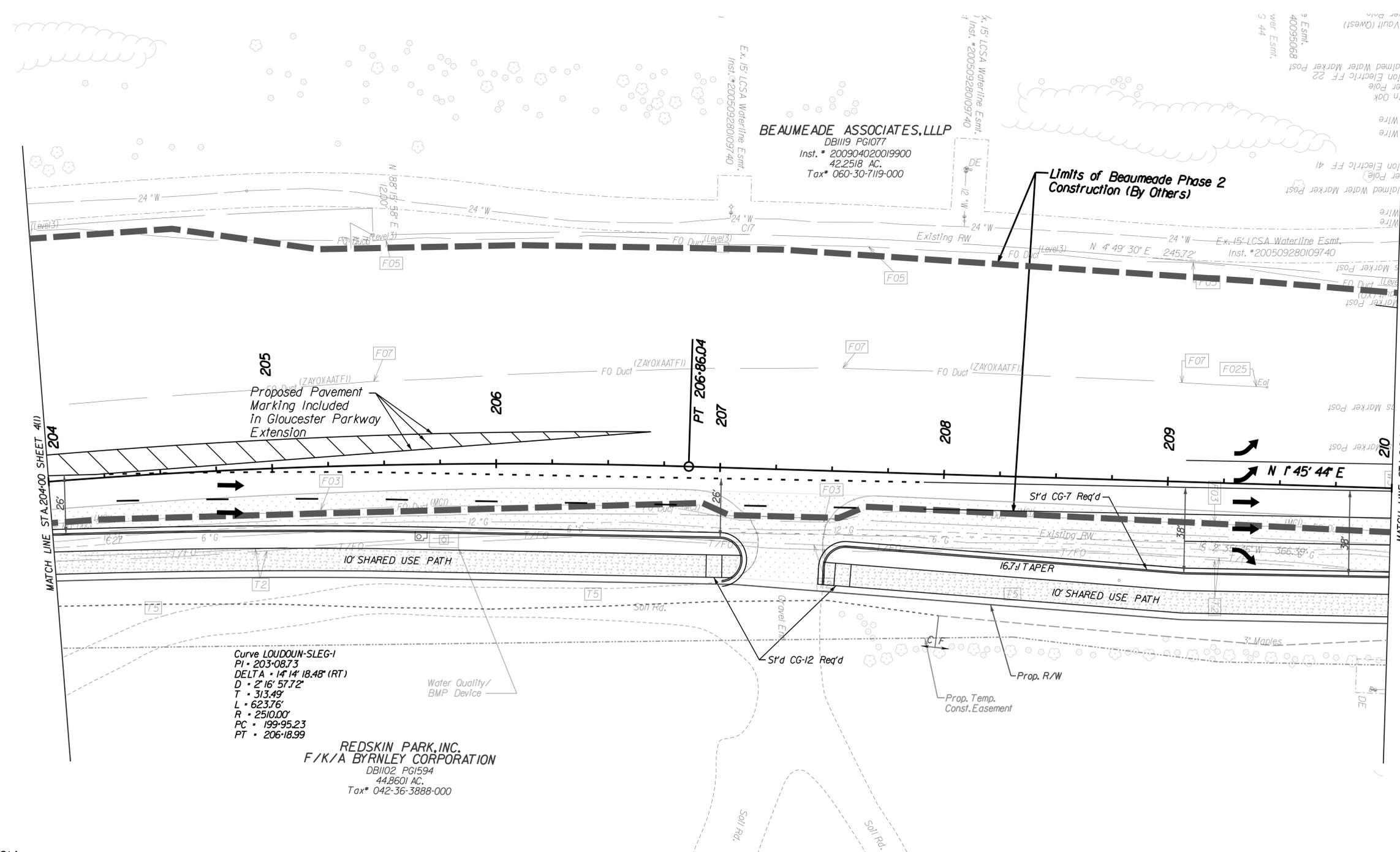
-  Denotes Proposed Pavement
-  Denotes Pavement Milling, Buildup and/or Overlay
-  Denotes Concrete Sidewalk or Shared Use Path
-  Denotes Demolition of Pavement
-  Denotes Construction Limits in Cuts
-  Denotes Construction Limits in Fills

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	2150	2150-053-052 P101, R201, C501	4(2)

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



Notes:
 1. All proposed stormdrain pipes shall be a maximum diameter of 30 Inches or less.



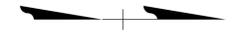
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER: _____
 SURVEYED BY: _____
 DESIGN SUPERVISED BY: _____
 DESIGNED BY: _____

Notes:
 1. All proposed stormdrain pipes shall be a maximum diameter of 30 inches or less.

LEGEND

-  Denotes Proposed Pavement
-  Denotes Pavement Milling, Buildup and/or Overlay
-  Denotes Concrete Sidewalk or Shared Use Path
-  Denotes Demolition of Pavement
-  Denotes Construction Limits in Cuts
-  Denotes Construction Limits in Fills



REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	2150	2150-053-052 P101, R201, C501	4(3)

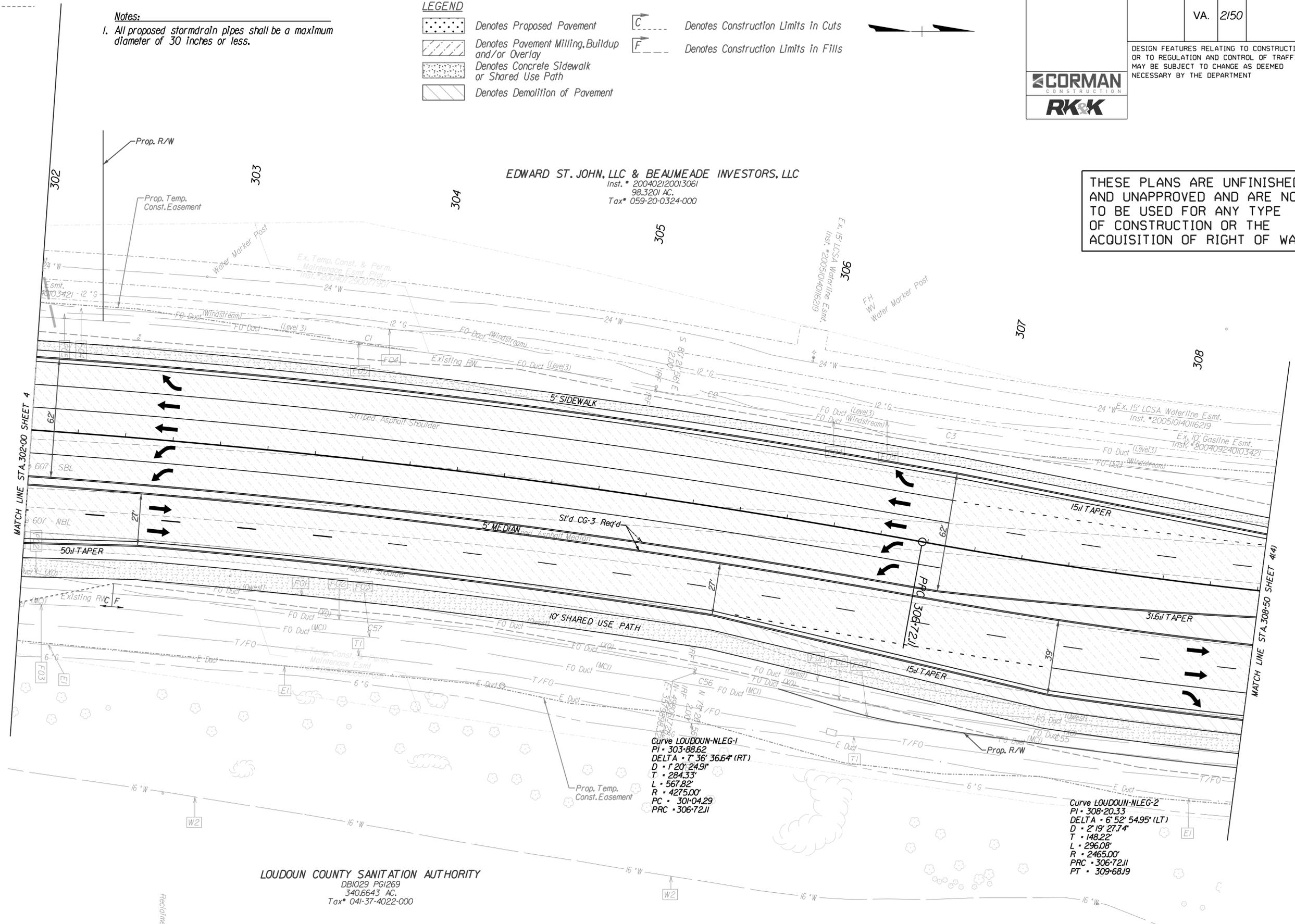
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

CORMAN
CONSTRUCTION

RK&K

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

EDWARD ST. JOHN, LLC & BEAUMEADE INVESTORS, LLC
 Inst. # 200402120013061
 98.3201 AC.
 Tax# 059-20-0324-000

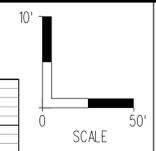


Curve LOUDOUN-NLEG-1
 PI • 303+88.62
 DELTA • 7° 36' 36.64" (RT)
 D • 120' 24.9"
 T • 284.33'
 L • 567.82'
 R • 4275.00'
 PC • 301+04.29
 PRC • 306+72.11

Curve LOUDOUN-NLEG-2
 PI • 308+20.33
 DELTA • 6° 52' 54.95" (LT)
 D • 2' 19' 27.74"
 T • 148.22'
 L • 296.08'
 R • 2465.00'
 PRC • 306+72.11
 PT • 309+68.19

LOUDOUN COUNTY SANITATION AUTHORITY
 DB1029 PGI269
 340.6643 AC.
 Tax# 041-37-4022-000

PROJECT MANAGER _____
 SURVEYED BY _____
 DESIGN SUPERVISED BY _____
 DESIGNED BY _____

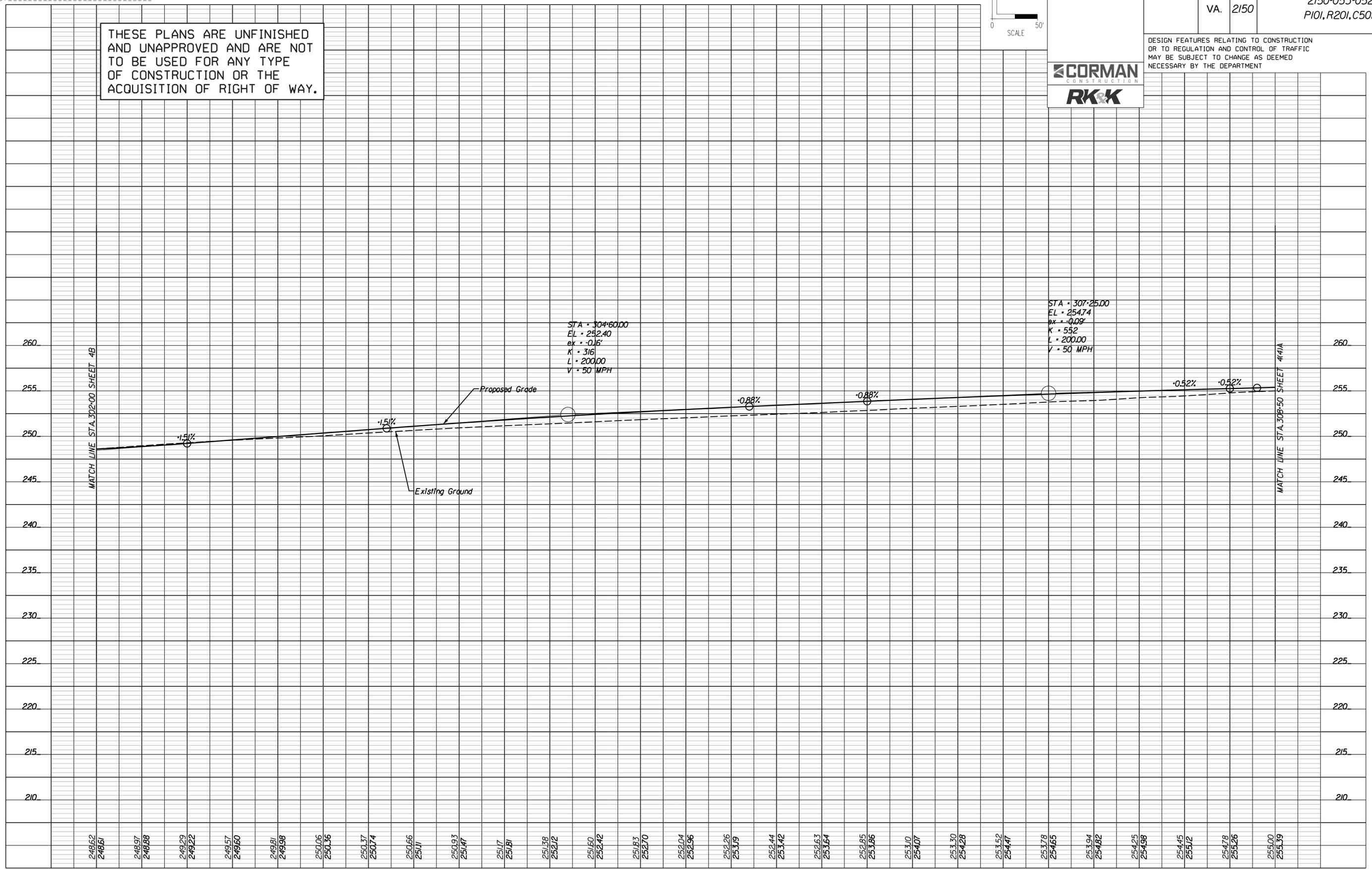


REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	2150		2150-053-052 P101, R201, C501	4131A

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



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



STA • 304+60.00
 EL • 252.40
 ex • -0.16'
 K • 316
 L • 200.00
 V • 50 MPH

STA • 307+25.00
 EL • 254.74
 ex • -0.09'
 K • 592
 L • 200.00
 V • 50 MPH

248.62 248.61	248.97 248.88	249.29 249.22	249.57 249.60	249.81 249.98	250.06 250.36	250.37 250.74	250.66 251.11	250.93 251.47	251.17 251.81	251.38 252.12	251.60 252.42	251.83 252.70	252.04 252.96	252.26 253.19	252.44 253.42	252.63 253.64	252.85 253.86	253.10 254.07	253.30 254.28	253.52 254.47	253.78 254.65	253.94 254.82	254.25 254.98	254.45 255.12	254.78 255.26	255.00 255.39	
302-00.00				303-00.00				304-00.00				305-00.00				306-00.00				307-00.00				308-00.00			

PROJECT MANAGER: _____
 SURVEYED BY: _____
 DESIGN SUPERVISED BY: _____
 DESIGNED BY: _____

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	2150	2150-053-052 P101, R201, C501	4(4)

LEGEND

-  Denotes Proposed Pavement
-  Denotes Pavement Milling, Buildup and/or Overlay
-  Denotes Concrete Sidewalk or Shared Use Path
-  Denotes Demolition of Pavement
-  Denotes Construction Limits in Cuts
-  Denotes Construction Limits in Fills



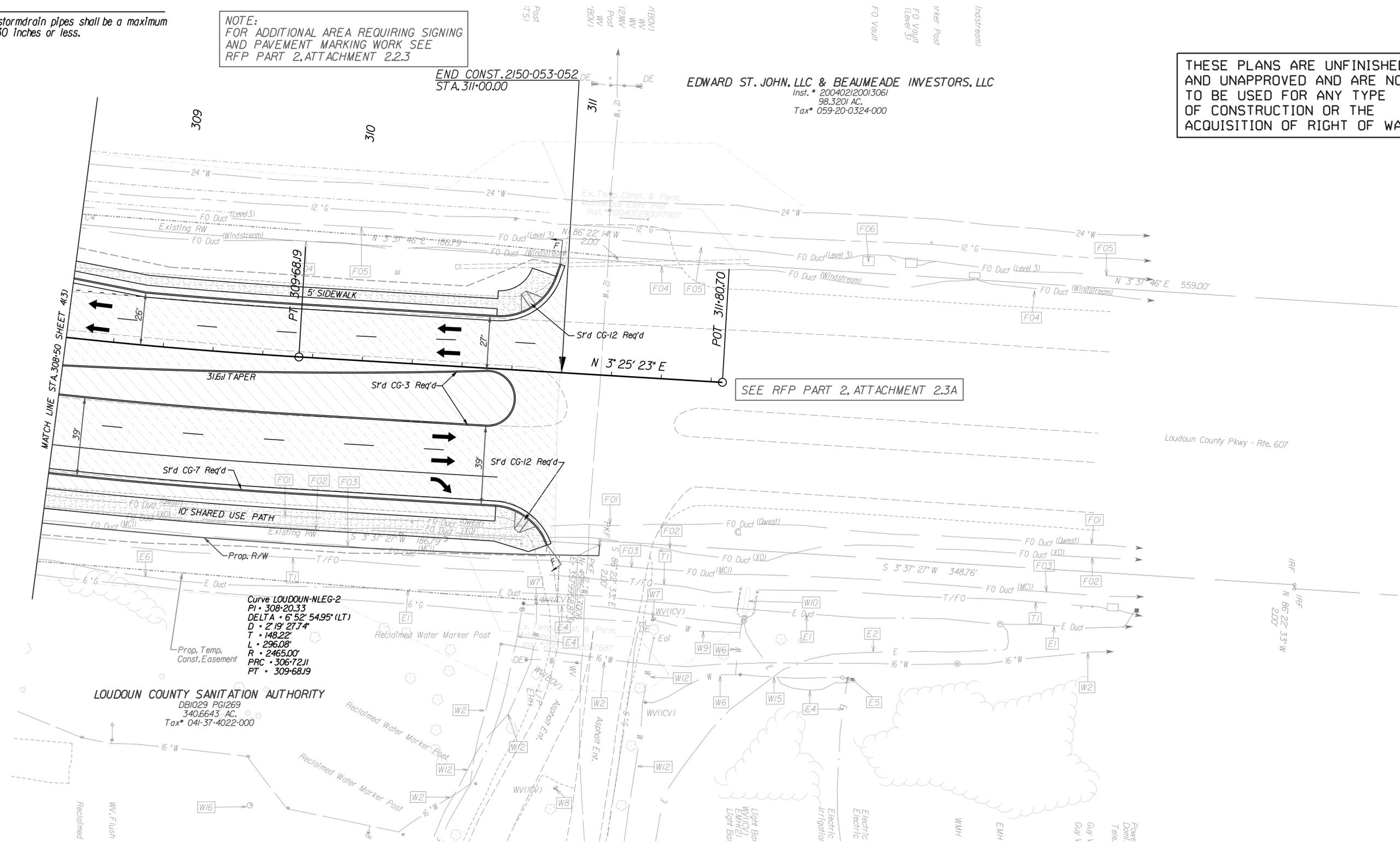
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Notes:
 1. All proposed stormdrain pipes shall be a maximum diameter of 30 inches or less.

NOTE:
 FOR ADDITIONAL AREA REQUIRING SIGNING AND PAVEMENT MARKING WORK SEE RFP PART 2, ATTACHMENT 2.2.3

EDWARD ST. JOHN, LLC & BEAUMEADE INVESTORS, LLC
 Inst. # 200402120013061
 98.3201 AC.
 Tax# 059-20-0324-000

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



PROJECT MANAGER: _____
 SURVEYED BY: _____
 DESIGN SUPERVISED BY: _____
 DESIGNED BY: _____

LEGEND

-  Denotes Proposed Pavement
-  Denotes Pavement Milling, Buildup and/or Overlay
-  Denotes Concrete Sidewalk or Shared Use Path
-  Denotes Demolition of Pavement

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

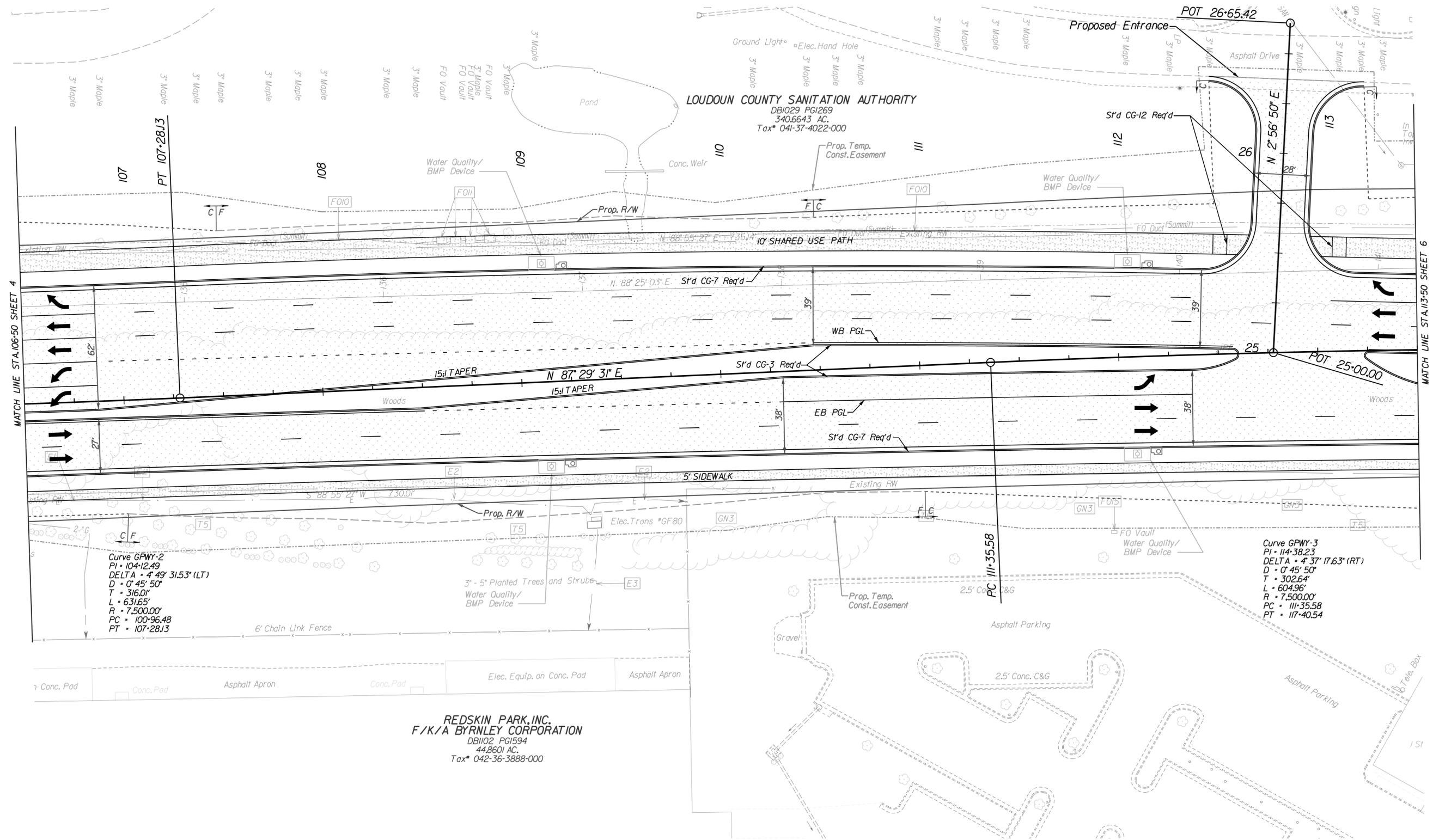
Notes:
 1. All proposed stormdrain pipes shall be a maximum diameter of 30 inches or less.

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



REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	2150	2150-053-052 P101, R201, C501	5

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



MATCH LINE STA. 06+50 SHEET 4

MATCH LINE STA. 13+50 SHEET 6

Curve GPWY-2
 PI = 104+12.49
 DELTA = 4° 49' 31.53" (LT)
 D = 0' 45' 50"
 T = 316.01'
 L = 631.65'
 R = 7,500.00'
 PC = 100+96.48
 PT = 107+28.13

Curve GPWY-3
 PI = 114+38.23
 DELTA = 4° 37' 17.63" (RT)
 D = 0' 45' 50"
 T = 302.64'
 L = 604.96'
 R = 7,500.00'
 PC = 111+35.58
 PT = 117+40.54

REDSKIN PARK, INC.
 F/K/A BYRNLEY CORPORATION
 DB1102 PGI594
 44.8601 AC.
 Tax* 042-36-3888-000

PROJECT MANAGER: _____
 SURVEYED BY: _____
 DESIGN SUPERVISED BY: _____
 DESIGNED BY: _____

LEGEND

-  Denotes Proposed Pavement
-  Denotes Pavement Milling, Buildup and/or Overlay
-  Denotes Concrete Sidewalk or Shared Use Path
-  Denotes Demolition of Pavement
-  Denotes Gravel Driveway

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

Notes:

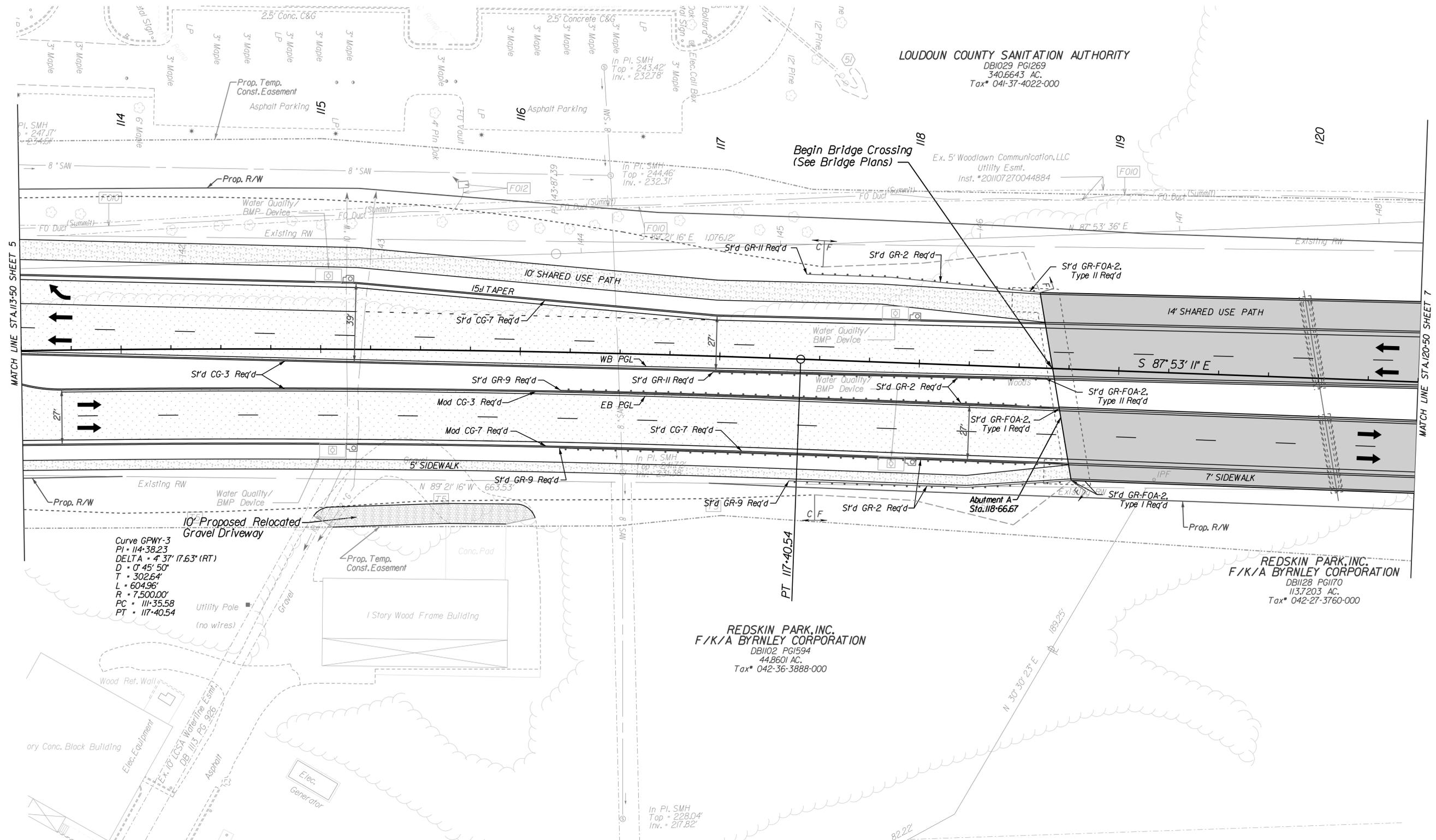
1. All proposed stormdrain pipes shall be a maximum diameter of 30 inches or less.

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	2150	2150-053-052 P101, R201, C501	6

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



Curve GPNY-3
 PI = 114+38.23
 DELTA = 4° 37' 17.63" (RT)
 D = 0' 45' 50"
 T = 302.64'
 L = 604.96'
 R = 7,500.00'
 PC = 111+35.58
 PT = 117+40.54

In P.I. SMH
 Top = 228.04'
 Inv. = 217.82'

82.22'

PROJECT MANAGER: _____
 SURVEYED BY: _____
 DESIGN SUPERVISED BY: _____
 DESIGNED BY: _____

LEGEND

-  Denotes Proposed Pavement
-  Denotes Pavement Milling, Buildup and/or Overlay
-  Denotes Concrete Sidewalk or Shared Use Path
-  Denotes Demolition of Pavement
-  Denotes Construction Limits in Cuts
-  Denotes Construction Limits in Fills

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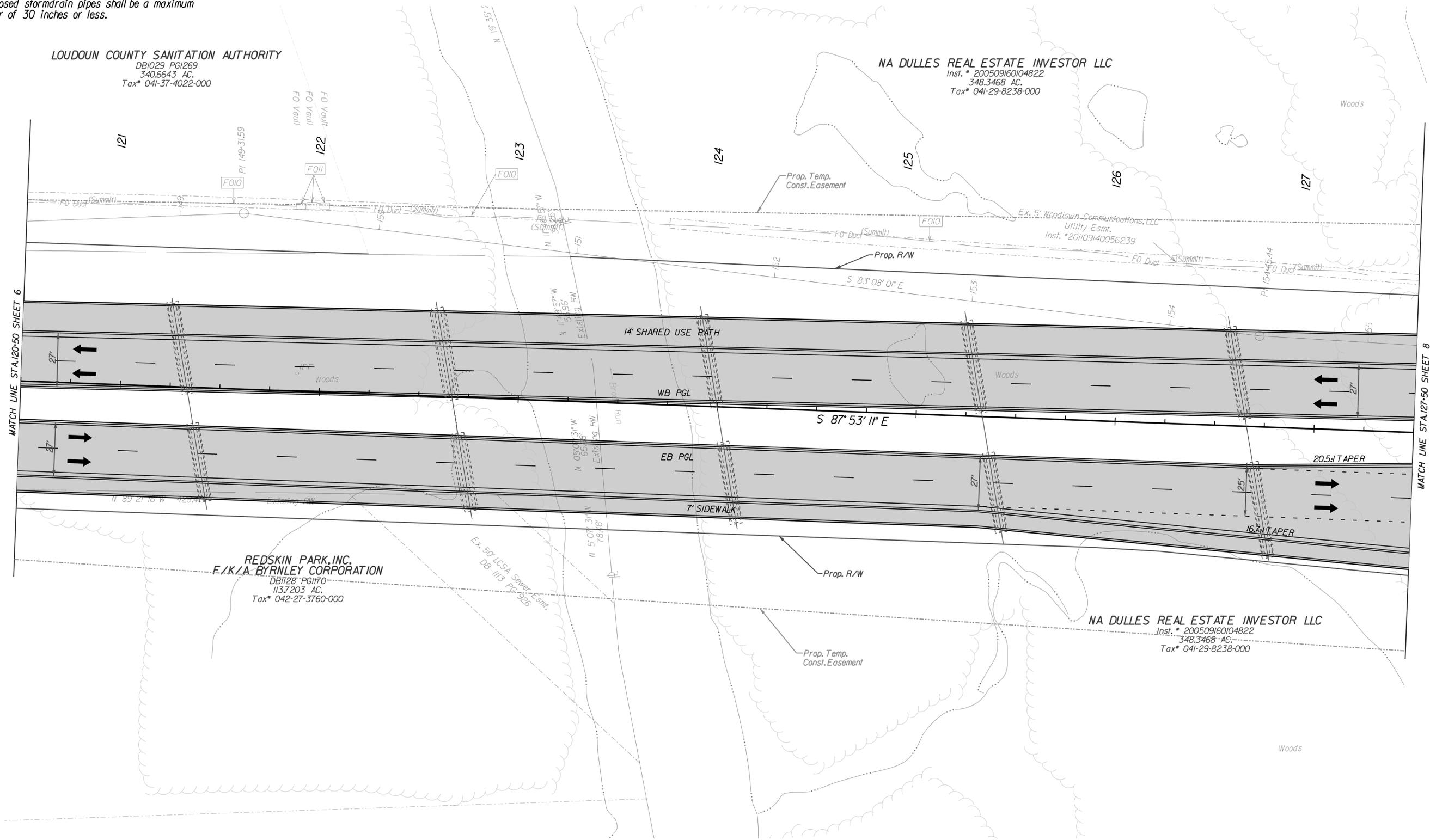


REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	2150	2150-053-052 P101, R201, C501	7

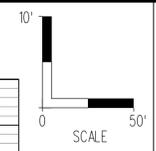
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Notes:
 1. All proposed stormdrain pipes shall be a maximum diameter of 30 inches or less.



PROJECT MANAGER _____
 SURVEYED BY _____
 DESIGN SUPERVISED BY _____
 DESIGNED BY _____

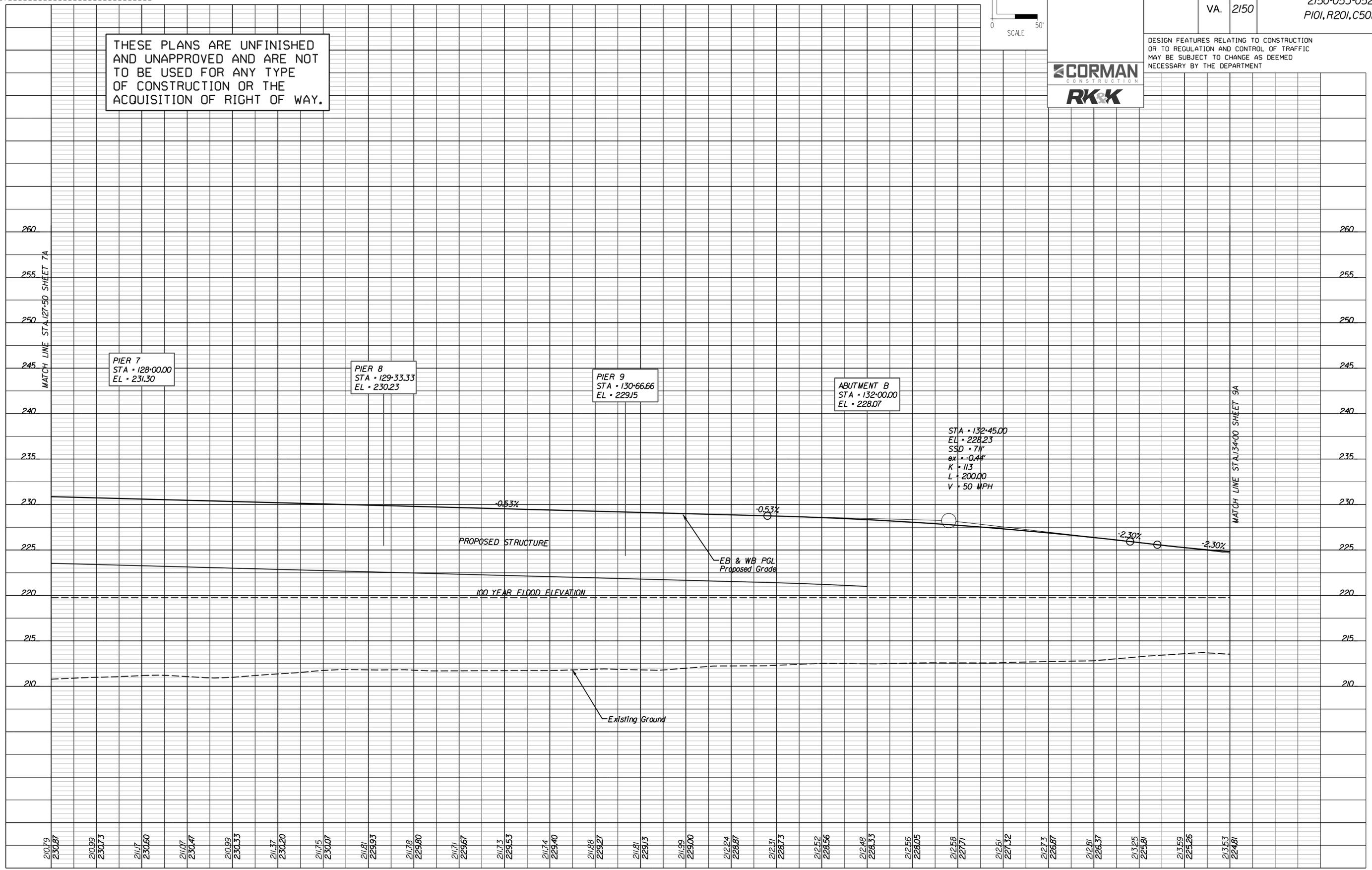


REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	2150	2150-053-052 PI01, R201, C501	8A

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



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PIER 7
 STA • 128-00.00
 EL • 231.30

PIER 8
 STA • 129-33.33
 EL • 230.23

PIER 9
 STA • 130-66.66
 EL • 229.15

ABUTMENT B
 STA • 132-00.00
 EL • 228.07

STA • 132+45.00
 EL • 228.23
 SSD • 71'
ax • -0.44'
 K • 113
 L • 200.00
 V • 50 MPH

128-00.00

129-00.00

130-00.00

131-00.00

132-00.00

133-00.00

134-00.00

PROJECT MANAGER: _____
 SURVEYED BY: _____
 DESIGN SUPERVISED BY: _____
 DESIGNED BY: _____

LEGEND

- Denotes Proposed Pavement
- Denotes Pavement Milling, Buildup and/or Overlay
- Denotes Concrete Sidewalk or Shared Use Path
- Denotes Demolition of Pavement

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

* EXISTING PAVEMENT MARKINGS ON NORTH BOUND PACIFIC BLVD. ARE TO REMAIN.

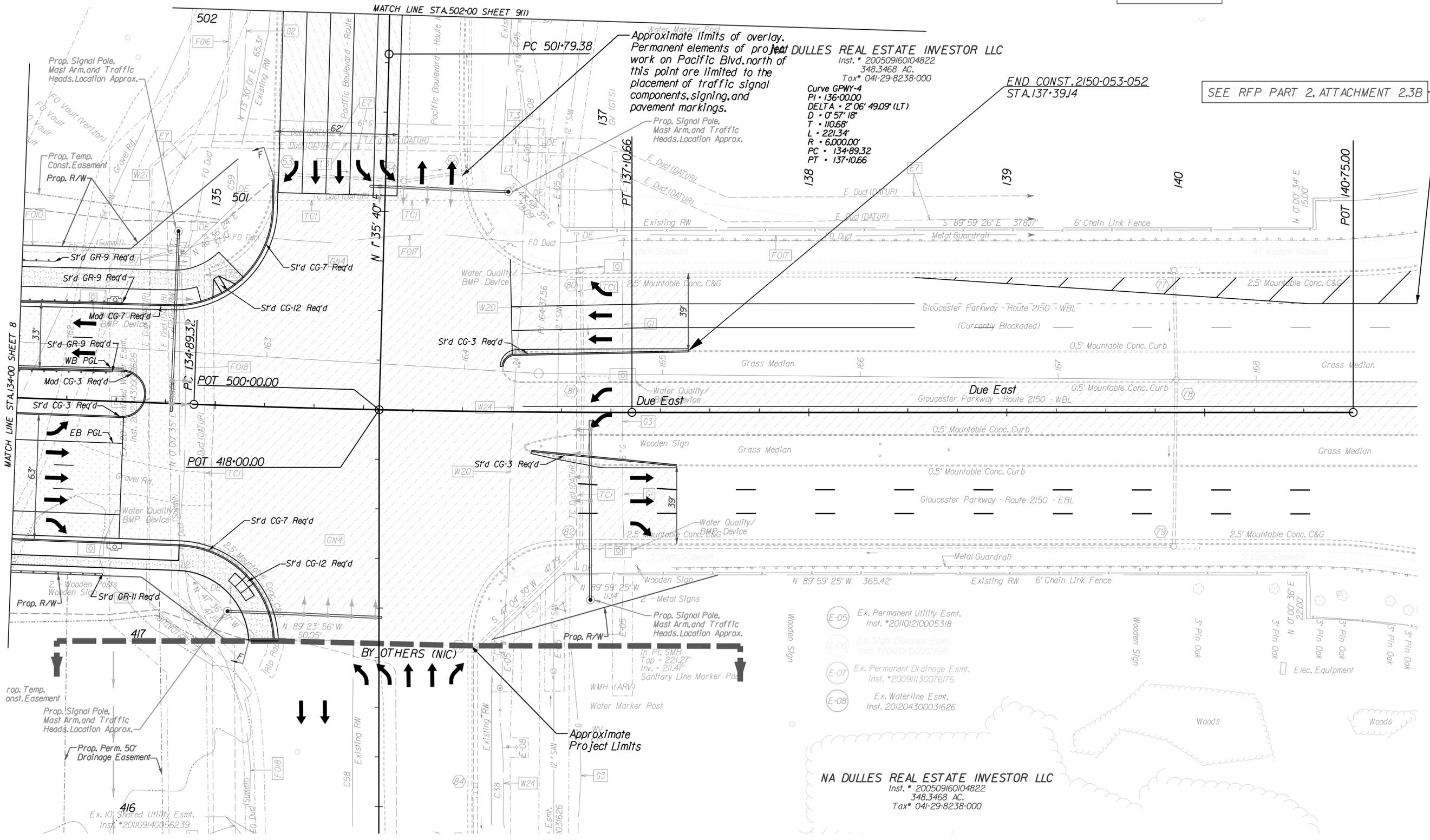
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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	2150	2150-053-052 P101, R201, C501	9

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

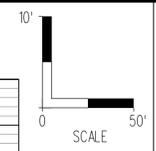
Notes:
 1. All proposed stormdrain pipes shall be a maximum diameter of 30 inches or less.



- (E-05) Ex. Permanent Utility Esmt. Inst. *201101210005318
- (E-06) Ex. Sight Distance Esmt. Inst. *201201310007696
- (E-07) Ex. Permanent Drainage Esmt. Inst. *200911130076176
- (E-08) Ex. Waterline Esmt. Inst. 201204300031626

NA DULLES REAL ESTATE INVESTOR LLC
 Inst. * 200509160104822
 348,3468 AC.
 Tax* 041-29-8238-000

PROJECT MANAGER _____
 SURVEYED BY _____
 DESIGN SUPERVISED BY _____
 DESIGNED BY _____

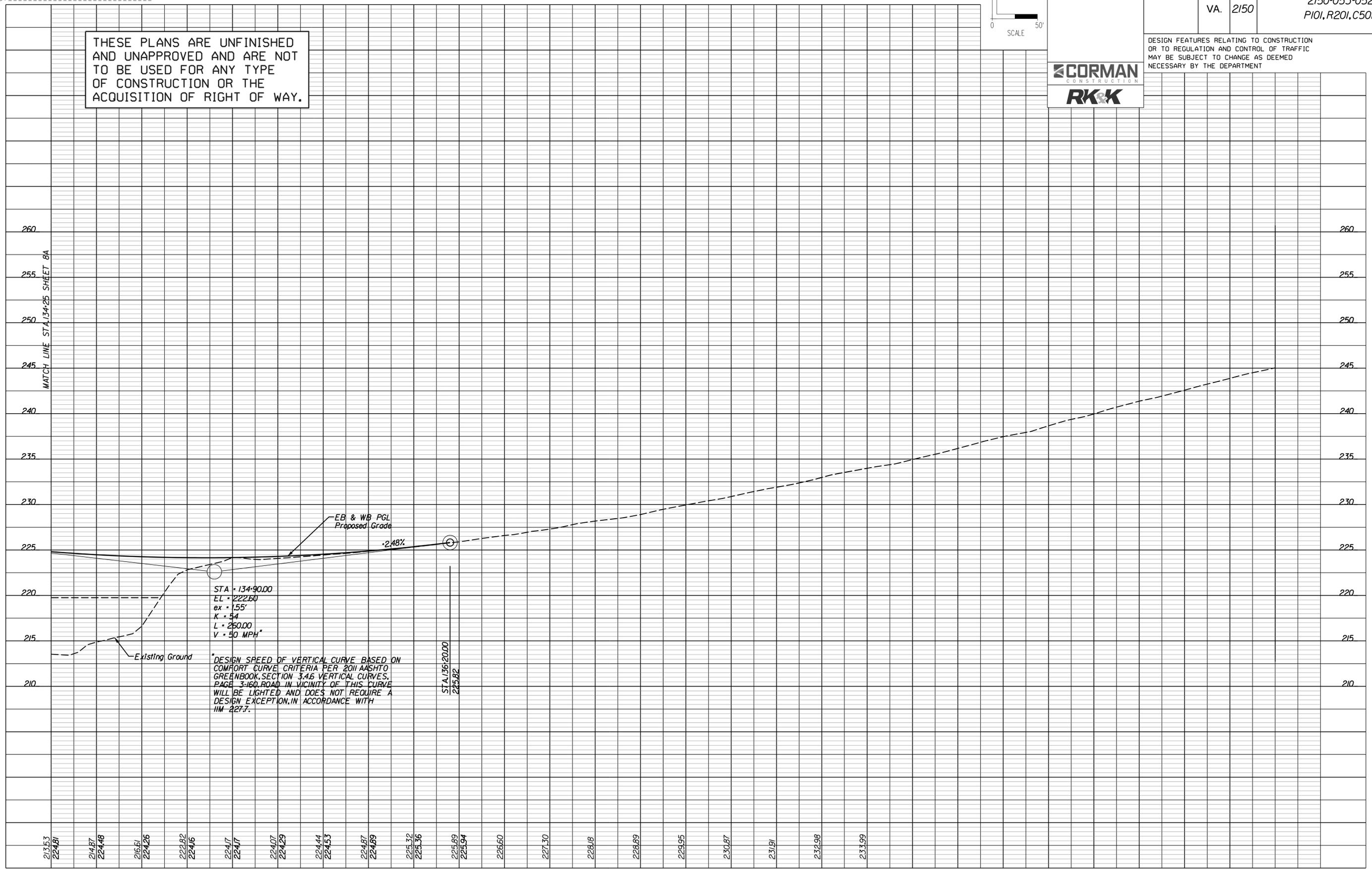


REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	2150	2150-053-052 P101, R201, C501	9A

THESE PLANS ARE UNFINISHED
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 ACQUISITION OF RIGHT OF WAY.



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



* DESIGN SPEED OF VERTICAL CURVE BASED ON
 COMFORT CURVE CRITERIA PER 2011 AASHTO
 GREENBOOK, SECTION 3.4.6 VERTICAL CURVES,
 PAGE 3-160, ROAD IN VICINITY OF THIS CURVE
 WILL BE LIGHTED AND DOES NOT REQUIRE A
 DESIGN EXCEPTION, IN ACCORDANCE WITH
 HM-227.7.

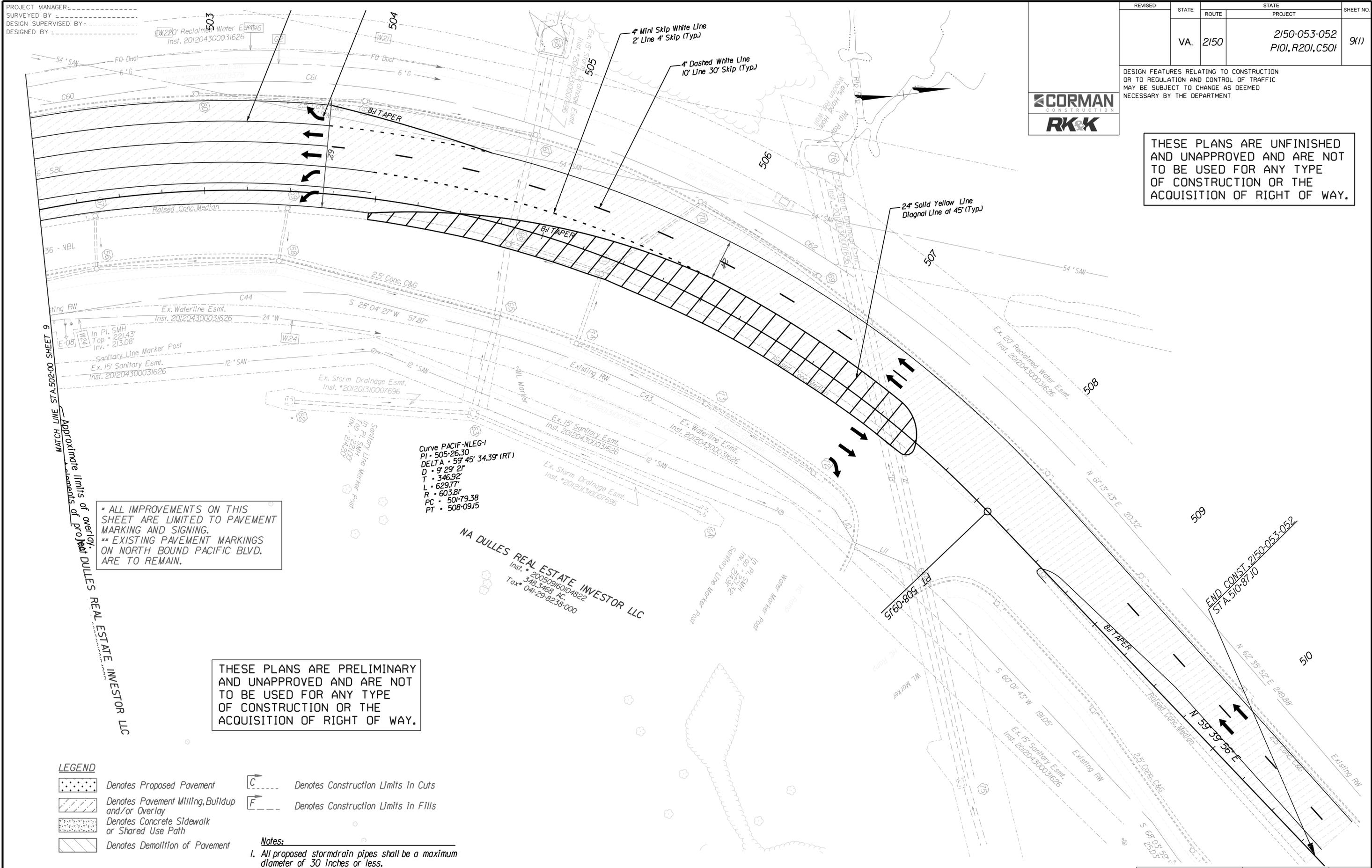
PROJECT MANAGER: _____
 SURVEYED BY: _____
 DESIGN SUPERVISED BY: _____
 DESIGNED BY: _____

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	2150	2150-053-052 P101, R201, C501	9(1)

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



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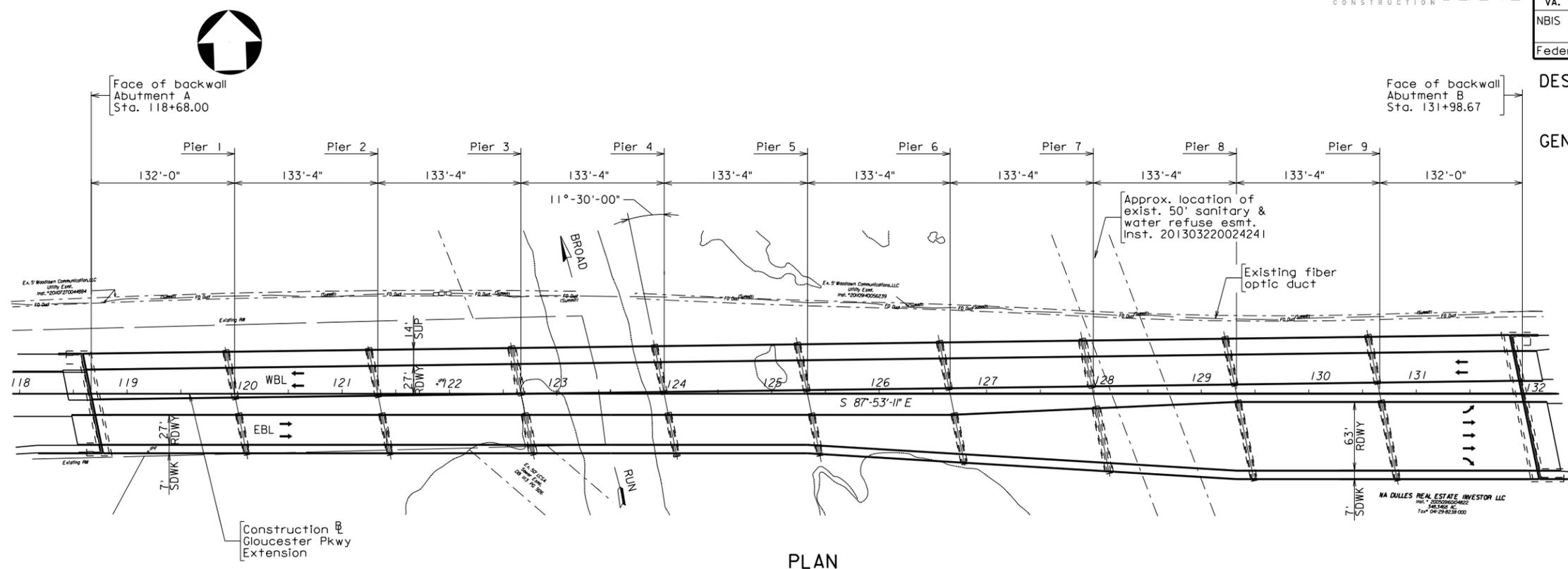
* ALL IMPROVEMENTS ON THIS SHEET ARE LIMITED TO PAVEMENT MARKING AND SIGNING.
 ** EXISTING PAVEMENT MARKINGS ON NORTH BOUND PACIFIC BLVD. ARE TO REMAIN.

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

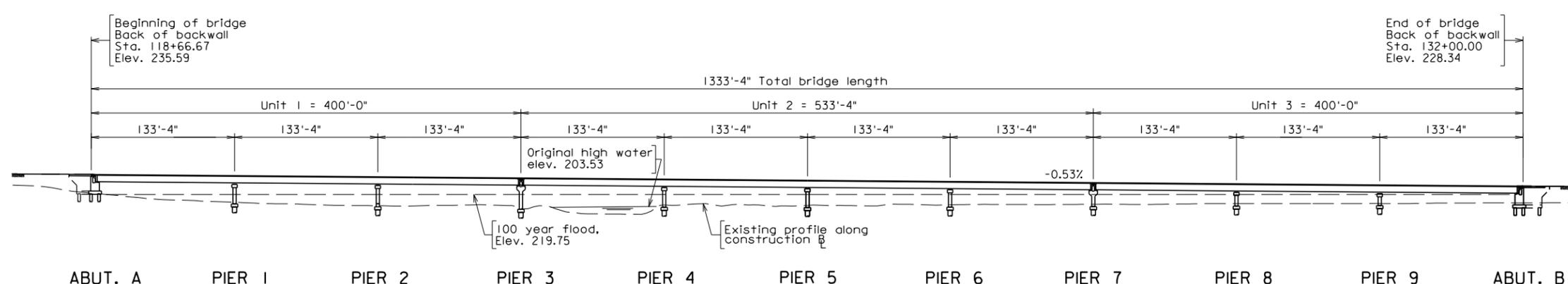
LEGEND

- Denotes Proposed Pavement
 - Denotes Pavement Milling, Buildup and/or Overlay
 - Denotes Concrete Sidewalk or Shared Use Path
 - Denotes Demolition of Pavement
 - Denotes Construction Limits in Cuts
 - Denotes Construction Limits in Fills
- Notes:**
 1. All proposed storm drain pipes shall be a maximum diameter of 30 inches or less.

STATE	FEDERAL AID	STATE	SHEET
ROUTE	PROJECT	ROUTE	NO.
VA.		2150	1
NBIS Number:		UPC No.	104418
Federal Oversight Code:	N/A	FHWA Construction and Scour Code:	X081-S5



PLAN



DEVELOPED SECTION PARALLEL TO CONSTRUCTION B (WBL OR EBL)

DESIGN EXCEPTION(S):

None

GENERAL NOTES:

- Width: WBL: 14'-0" shared use path, 27'-0" roadway. Overall width 41'-10" face-to-face of rails.
- EBL: Beginning with West side, 27'-0" roadway, 7'-0" sidewalk. Overall width 70'-10" face-to-face of rails, includes widening of 12'-0" on left of traffic and 24'-0" on right of traffic.
- Span layout: 133'-4"-133'-4"-133'-4" (Unit 1), 133'-4"-133'-4"-133'-4"-133'-4" (Unit 2), 133'-4"-133'-4"-133'-4" (Unit 3), prestressed concrete bulb-T beam spans continuous for live load.
- Capacity: HL-93 loading.
- Drainage area: () sq. mi.
- Specifications:
 - Construction: Virginia Department of Transportation Road and Bridge Specifications, 2007.
 - Design: AASHTO LRFD Bridge Design Specifications, 6th Edition, 2012; and VDOT Modifications.
 - Standards: Virginia Department of Transportation Road and Bridge Standards, 2008.



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
PROPOSED BRIDGE ON
ROUTE 2150 (GLOUCESTER PARKWAY)
OVER BROAD RUN
LOUDOUN COUNTY, 0.2 MI. W. RTE. 607
PROJ. 2150-053-052

Recommended for Approval: _____
State Structure and Bridge Engineer Date

Approved: _____
Chief Engineer Date

Date: January 16, 2014 © 2014, Commonwealth of Virginia Sheet 1 of 6

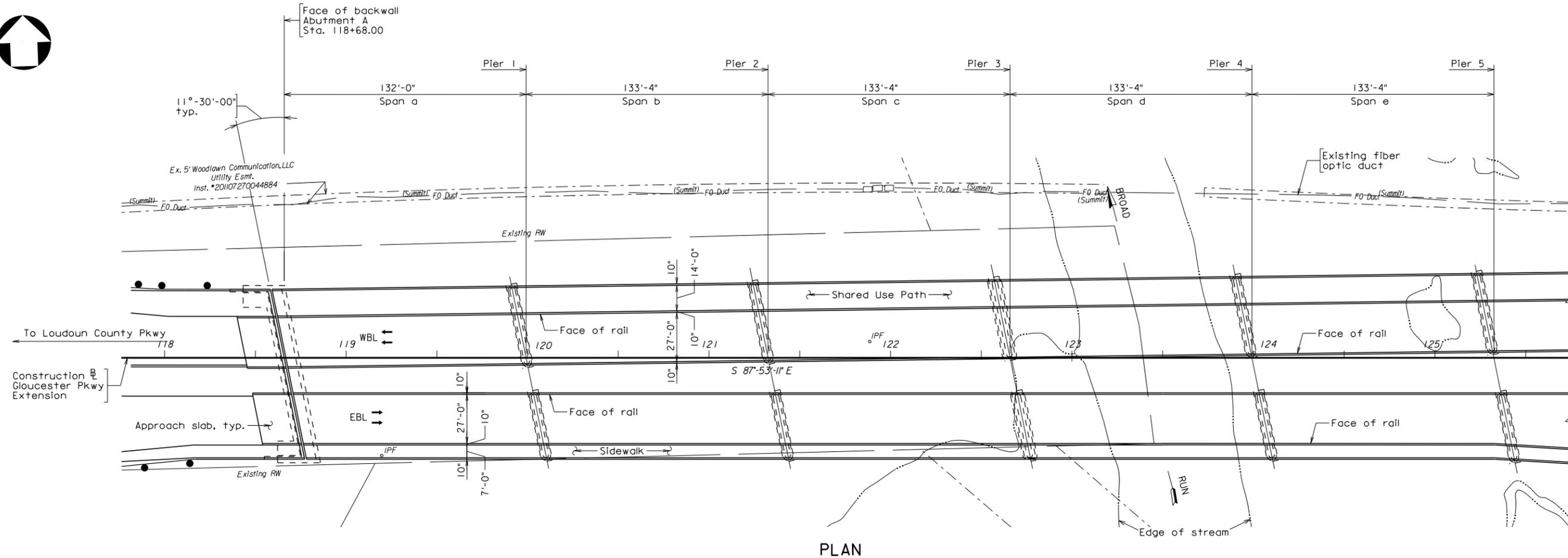
PRELIMINARY PLANS
THESE PLANS NOT TO BE USED
FOR CONSTRUCTION

No.	Description	Date
REVISIONS		
For Table of Revisions, see Sheet 2.		

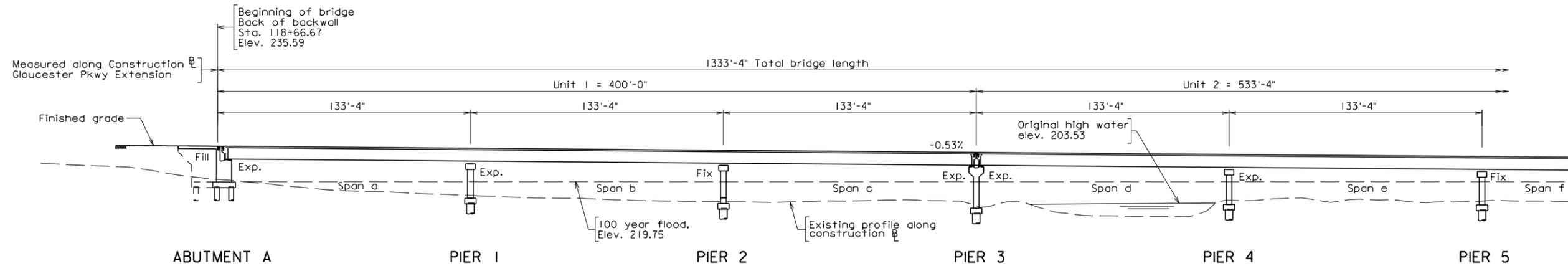
Scale: 1" = 60'-0"

b29581.001.dgn

PLANS BY:	Consultant
COORDINATED:	
SUPERVISED:	RK&K
DESIGNED:	RK&K
DRAWN:	RK&K
CHECKED:	RK&K



PLAN



DEVELOPED SECTION PARALLEL TO CONSTRUCTION (WBL OR EBL)

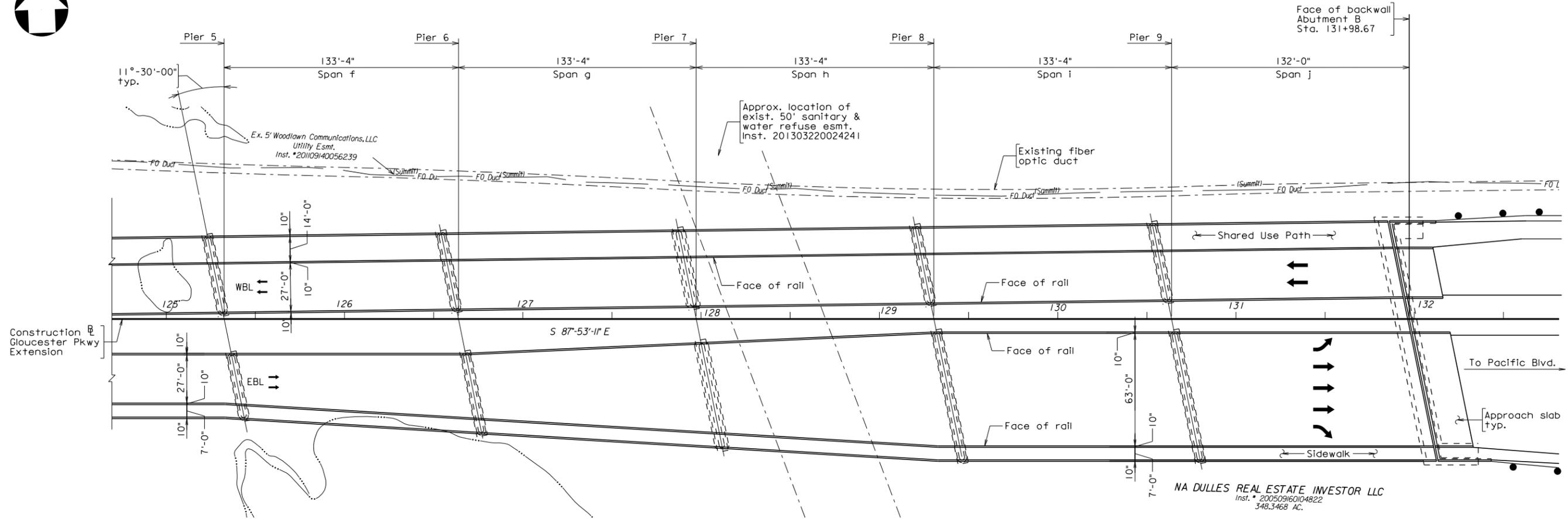
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COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION STRUCTURE AND BRIDGE DIVISION			
PLAN AND ELEVATION - 1			
No.	Description	Date	Designed:
			Drawn:
			Checked:
	Revisions		Date
			Plan No.
			Sheet No.
			Jan. 2014
			295-81
			2 of 6

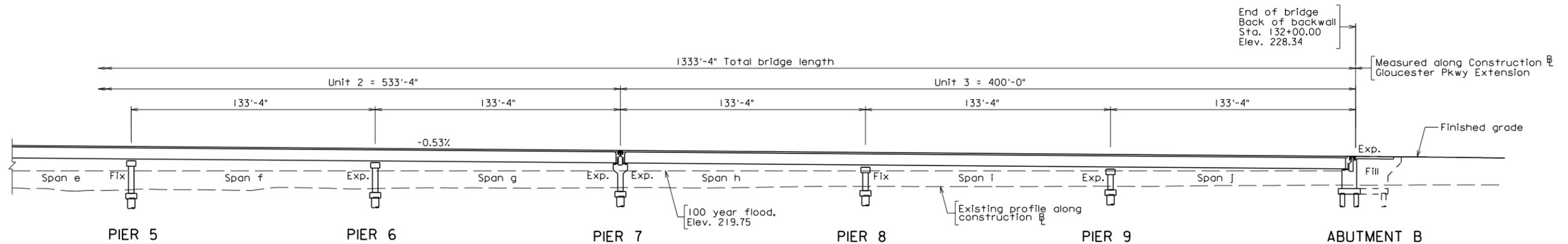
Scale: 1" = 30'-0"

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b29581.002.dgn



PLAN



DEVELOPED SECTION PARALLEL TO CONSTRUCTION
(WBL OR EBL)

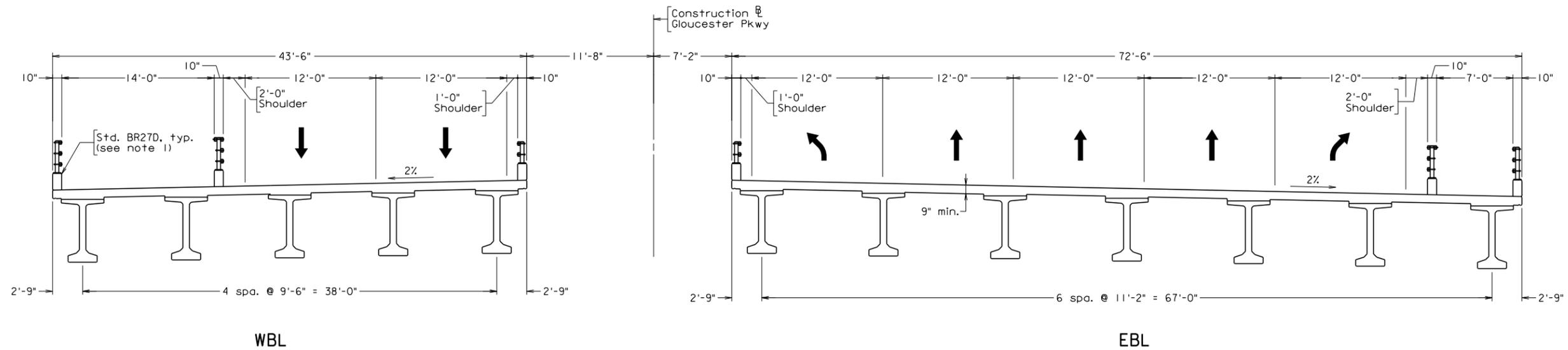
PRELIMINARY PLANS
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COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION			
STRUCTURE AND BRIDGE DIVISION			
PLAN AND ELEVATION - 2			
No.	Description	Date	Designed:
			Drawn:
			Checked:
			Date
			Jan. 2014
			Plan No.
			295-81
			Sheet No.
			3 of 6

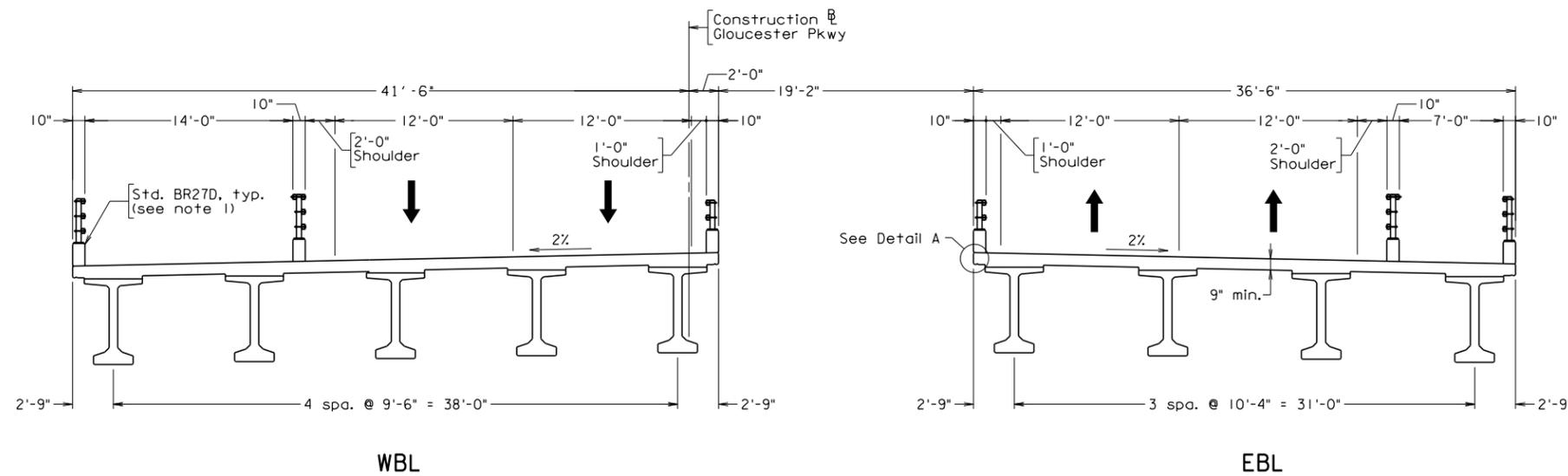
Scale: 1" = 30'-0"

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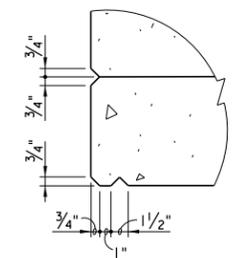
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TRANSVERSE SECTION (AT ABUT. B)
Scale: 3/16" = 1'-0"



TRANSVERSE SECTION (AT ABUT. A)
Scale: 3/16" = 1'-0"



DETAIL A
Scale: 1/2" = 1'-0"

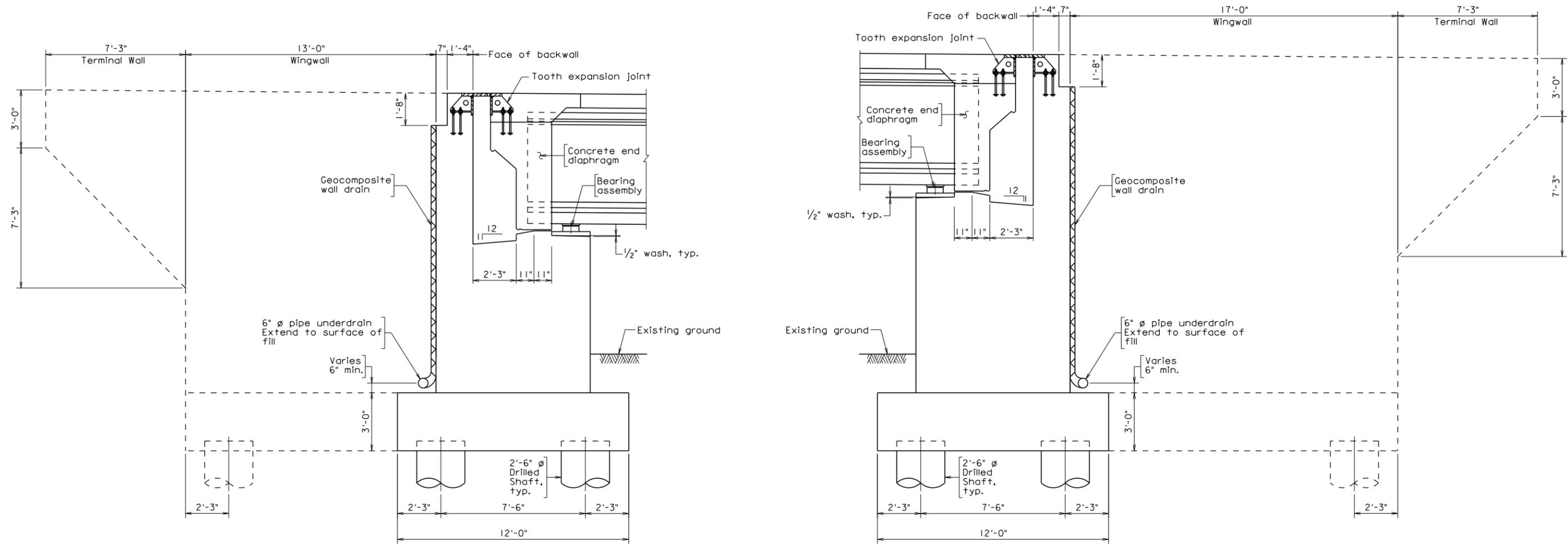
Notes:

- The exterior railing on sidewalk or SUP does not need to be crash tested and shall only satisfy pedestrian and bicycle requirements with a height of 4'-6".

PRELIMINARY PLANS
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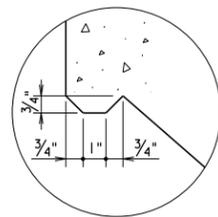
COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION			
STRUCTURE AND BRIDGE DIVISION			
TRANSVERSE SECTION			
No.	Description	Date	Designed:
			Drawn:
			Checked:
Revisions		Date	Plan No.
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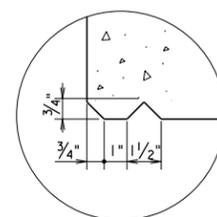


ABUTMENT A
Scale: 3/8" = 1'-0"

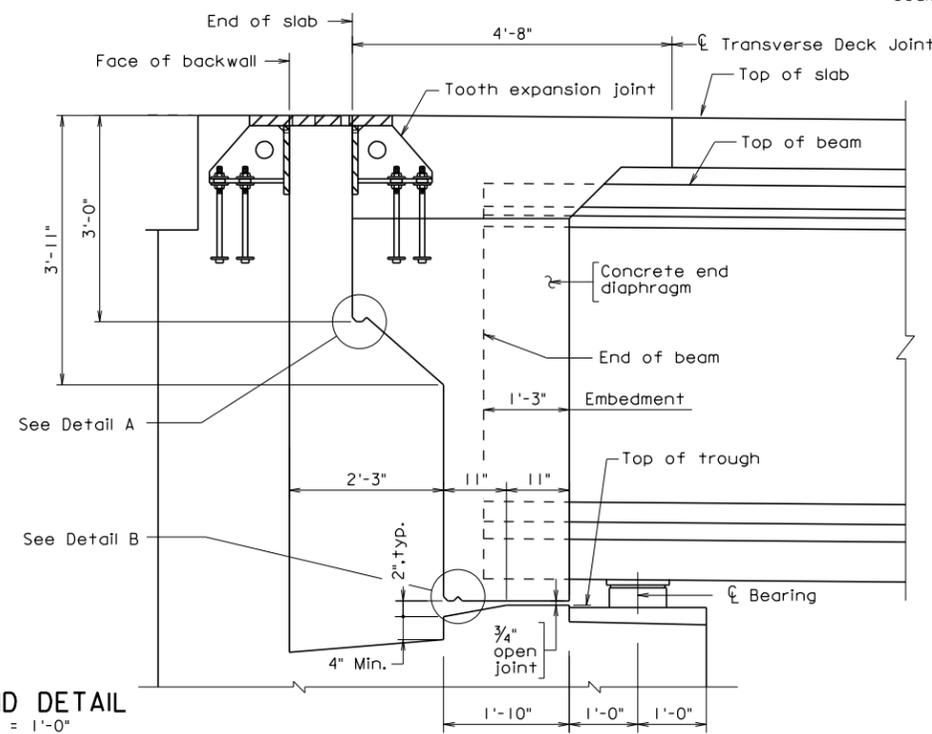
ABUTMENT B
Scale: 3/8" = 1'-0"



DETAIL A
Scale: 3" = 1'-0"



DETAIL B
Scale: 3" = 1'-0"



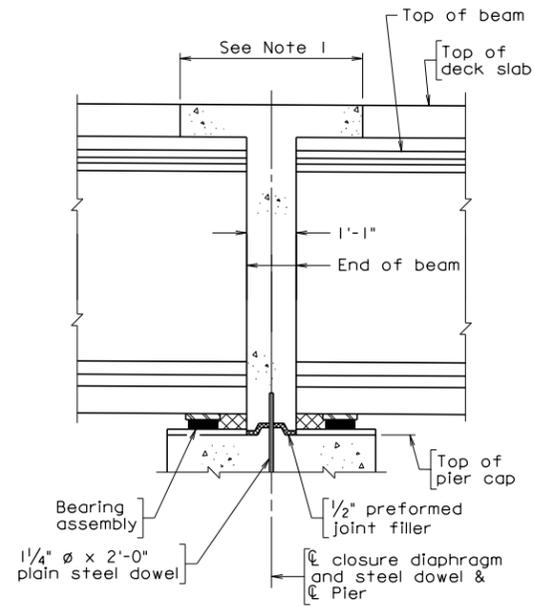
BEAM END DETAIL
Scale: 3/4" = 1'-0"

PRELIMINARY PLANS
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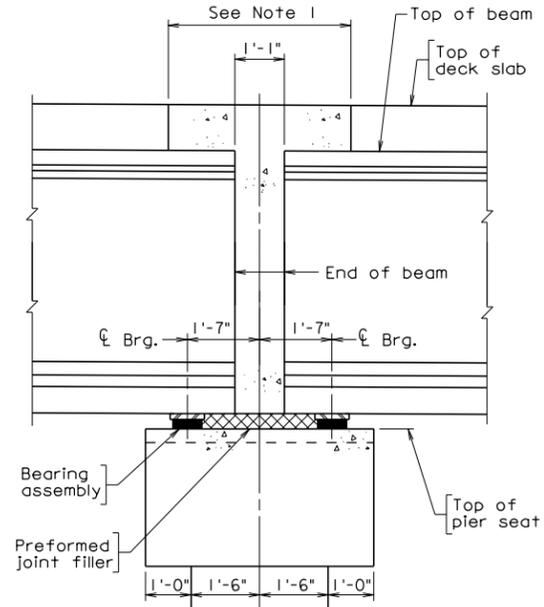
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			STRUCTURE AND BRIDGE DIVISION			
			ABUTMENTS			
No.	Description	Date	Designed:	Date	Plan No.	Sheet No.
			Drawn:	Jan. 2014	295-81	5 of 6
			Checked:			
Revisions						

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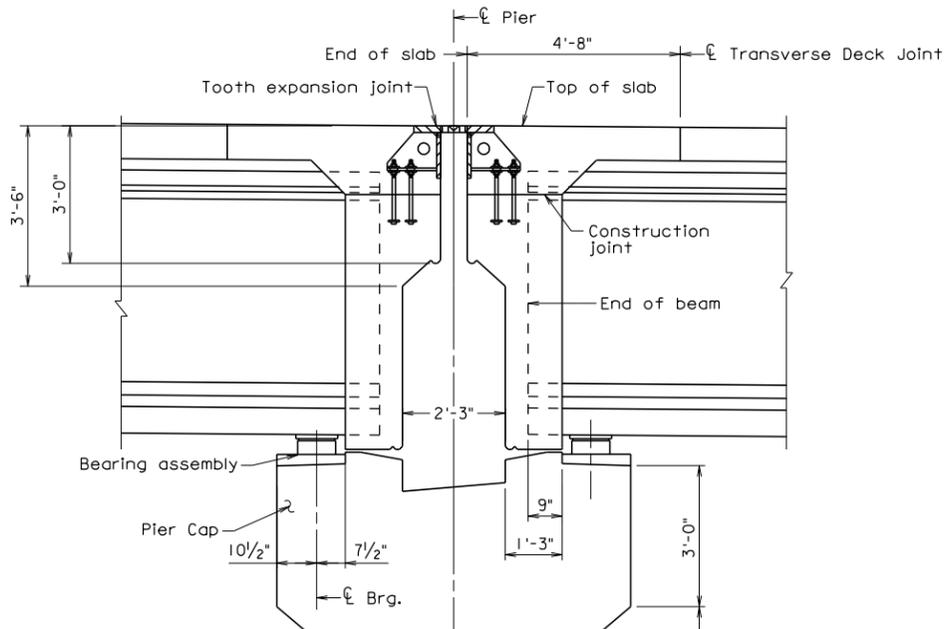
RK&K
RICHMOND, VA
STRUCTURAL ENGINEER



**FIXED PIER
(between Beams)**



**FIXED PIER
(At Beam)**



**Pier Detail
(At Expansion Joints)**

Notes:

1. This portion of the slab shall be cast with the closure diaphragm. For dimension and placement schedule, see sheet ...
2. All preformed joint filler shall be included in the cost of superstructure concrete.
3. Drilled shafts shown. Piles or spread footings may be utilized in final design.

b29581 006.dgn

PRELIMINARY PLANS
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FOR CONSTRUCTION

Scale: 1/2" = 1'-0"

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RICHMOND, VA
STRUCTURAL ENGINEER

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION			
STRUCTURE AND BRIDGE DIVISION			
PIERS			
No.	Description	Date	Designed:
			Drawn:
			Checked:
Revisions		Date	Plan No.
		Jan. 2014	295-81
			Sheet No.
			6 of 6

