CITY OF FAIRFAX
DEPARTMENT OF PUBLIC WORKS

PLAN AND PROFILE OF PROPOSED
BLENHEIM BOULEVARD
MULTIMODAL IMPROVEMENTS

COVER SHEET FOR VOLUME 3

FAIRFAX WATER PLAN
THRU
BLENHEIM BLVD CROSS SECTIONS

FINAL PLANS
FEBRUARY 2026

VOLUME KEY

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	1F	Survey Control and Traverse Information
	1G Series	Geometric Information
	1H Series	Intersection,Curb Ramp,and Bus Stop Details
	1I Series	Not Used
	1J - 1N Series	TMP/SOC Plan
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	1P - 1R Series	Erosion and Sedimont Control Plan
	1S Series	Not Used
	1T Series	Underground Utility Test Hole Information
	2	General Notes
	2A Series	Typical Sections,Geotechnical Recommendations,and Details
	2B Series	Curb Return Profiles
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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

WATER MAIN CONSTRUCTION NOTES

1. AT LEAST 2 WEEKS IN ADVANCE TO BEGINNING ANY WATER MAIN CONSTRUCTION, THE WATER MAIN INSTALLATION CONTRACTOR SHALL SUBMIT TO FAIRFAX WATER, FOR REVIEW AND APPROVAL, THE FOLLOWING:

   A. EVIDENCE OF SATISFACTORY COMPLETION OF AT LEAST 5 DUCTILE IRON PIPE INSTALLATION CONTRACTS SIMILAR IN QUANTITY AND COMPLEXITY, INCLUDING FOREMAN'S EXPERIENCE IN INSTALLING THE PIPE MATERIAL AND JOINT TYPES TO BE USED, PROJECT TITLES, PIPE DIAMETER AND LENGTH, LOCATIONS, REFERENCE CONTACTS, AND TELEPHONE NUMBERS. THE FOREMAN SHALL HAVE AT LEAST 5 YEARS' EXPERIENCE INSTALLING WATER MAINS AND SHALL HAVE OVERSEEN THE INSTALLATION OF AT LEAST 5,000 LINEAR FEET OF DUCTILE IRON PIPE.

   B. DATA SHALL BE SUPPLIED TO SHOW THAT STAFFING SCHEDULED FOR THE PROJECT POSSESS THE REQUIRED EXPERIENCE. SUCH DATA SHALL CONSIST OF A HISTORY OF THE EMPLOYMENT EXPERIENCE OF ALL JOB FOREMAN, WHO WILL BE IN CHARGE OF THE WATER MAIN INSTALLATION WORK ON THE CONSTRUCTION SITE, TOGETHER WITH A DESCRIPTION OF ANY PARTICULAR CERTIFICATIONS OR SPECIAL CREDENTIALS HE OR SHE MAY POSSESS.

2. DURING THE CONSTRUCTION OF THE WATER MAIN, FAIRFAX WATER WILL NOTIFY FAIRFAX CITY IF THE CONTRACTOR IS NOT PERFORMING THE WATER MAIN INSTALLATION WORK IN CONFORMANCE WITH THE APPROVED DESIGN, FAIRFAX WATER STANDARDS, OR PROPER CONSTRUCTION PRACTICES. FAIRFAX WATER MAY REQUEST A SUSPENSION OF WORK UNTIL THE ISSUE HAS BEEN RESOLVED TO FAIRFAX WATER'S SATISFACTION.

3. EXISTING AND PROPOSED UTILITIES, STRUCTURES, PROPERTY LINES, AND EASEMENTS ARE SHOWN BASED ON DATA AND DRAWINGS PROVIDED BY FAIRFAX CITY AT THE TIME OF THIS SUBMITTAL. THE CONTRACTOR SHALL REFER TO THE FINAL FAIRFAX CITY CONSTRUCTION PLANS FOR THE LATEST ROADWAY DESIGN INFORMATION. ALL INFORMATION CONTAINED IN THESE PLANS SHALL BE FIELD VERIFIED TO THE CONTRACTOR'S SATISFACTION AND THE CONTRACTOR SHALL DIG TEST PITS AS CALLED FOR IN THESE WATER MAIN CONSTRUCTION NOTES OR AS DEEMED NECESSARY BY FAIRFAX WATER. THE CONTRACTOR SHALL NOTIFY FAIRFAX WATER IF THERE HAVE BEEN ANY DESIGN CHANGES OR TEST PIT DATA THAT INDICATE POTENTIAL CONFLICTS WITH THE PROPOSED WATER MAIN DESIGN OR FAIRFAX WATER'S EXISTING UTILITIES. FAIRFAX WATER WILL MODIFY THE DRAWINGS AS REQUIRED.

4. THE CONTRACTOR IS RESPONSIBLE FOR ENFORCING THE REQUIREMENTS OF FAIRFAX CITY CODE CHAPTER 63, EXCAVATION AND UTILITY LINE INSTALLATION. IN PARTICULAR, THE CONTRACTOR IS DIRECTED TO SECTION 63-2-2, DEMOLITION OR EXCAVATION; PRIOR NOTICE. THE CONTRACTOR SHALL CONTACT VA811 (MISS UTILITY OF VIRGINIA) SUFFICIENTLY IN ADVANCE OF THE START OF CONSTRUCTION TO COMPLY WITH THIS REQUIREMENT.

5. NOTIFICATION OF PENDING WATER MAIN PRESSURE TESTS, DISINFECTION AND/OR CONNECTIONS; THE DESIRE TO HAVE AN EXISTING WATER SYSTEM VALVE OPENED OR CLOSED; AN EMERGENCY, ETC., SHALL BE DIRECTED TO:

   A. 8:00 A.M. TO 4:30 P.M. MONDAY THROUGH FRIDAY
   GARY TEAGUE, SUPERVISOR, ENGINEERING INSPECTION
   FAIRFAX WATER
   8560 ARLINGTON BOULEVARD
   FAIRFAX, VA 22031
   TELEPHONE: (703) 289-6399
   CELL PHONE: (571) 722-7698

   B. NIGHT, WEEKEND, AND HOLIDAY DISPATCHER
   TELEPHONE: (703) 289-6395 OR (703) 289-6323

6. THE CONTRACTOR SHALL NOT OPEN OR CLOSE ANY EXISTING WATER SYSTEM VALVES WITHOUT A FAIRFAX WATER INSPECTOR OVERSEEING THE WORK.

7. THE MAXIMUM WORKING PRESSURE OF THE EXISTING WATER SYSTEM IS APPROXIMATELY 115 PSI.

8. FAIRFAX WATER INSPECTOR WILL RECORD "AS-BUILT" CONDITIONS FOR THE GENERAL WATER MAIN CONSTRUCTION.

9. FAIRFAX WATER PUBLISHES AN "APPROVED PRODUCTS LIST" WHICH LISTS, BY CATEGORY, PRODUCTS APPROVED FOR USE IN FAIRFAX WATER'S SYSTEM, INCLUDING THE APPROVED MANUFACTURER. THIS DOCUMENT IS AVAILABLE AT WWW.FAIRFAXWATER.ORG. SHOP DRAWINGS FOR APPROVED PRODUCTS DO NOT NEED TO BE SUBMITTED TO FAIRFAX WATER FOR APPROVAL. PRODUCTS COVERED BY THE CATEGORIES IN THE "APPROVED PRODUCTS LIST" WHICH ARE NOT SPECIFICALLY LISTED ARE NOT APPROVED FOR USE UNLESS WRITTEN APPROVAL IS PROVIDED BY FAIRFAX WATER. SHOP DRAWING SUBMITTALS, WHEN REQUIRED, SHALL CONSIST OF CATALOG CUTS, SUPPLIER CERTIFICATIONS, AND ANY OTHER INFORMATION PERTINENT TO THE MATERIAL ITEM. SUBMITTALS WILL BE REVIEWED AND RETURNED WITHIN TWENTY (20) WORKING DAYS OF THE DATE THEY ARE RECEIVED BY FAIRFAX WATER. SUBMITTALS SHALL BE SENT BY MAIL OR EMAIL TO:

   AMANDA SCHUMACHER, CHIEF CONSTRUCTION ENGINEER
   FAIRFAX WATER
   8560 ARLINGTON BOULEVARD
   FAIRFAX, VA 22031
   TELEPHONE: (703) 289-6361
   E-MAIL: ASCHUMACHER@FAIRFAXWATER.ORG

10. ALL WATER MAIN INSTALLATION SHALL BE IN CONFORMANCE WITH THE FAIRFAX WATER STANDARD DETAILS INCLUDED HEREIN AND FOUND AT WWW.FAIRFAXWATER.ORG.

11. THE CONTRACTOR SHALL NOT BE RELEASED FROM THE PROJECT UNTIL THE WATER MAIN INSTALLATION WORK AND FINAL WATER MAIN INSPECTION ARE COMPLETED TO THE SATISFACTION OF FAIRFAX WATER. FAIRFAX WATER WILL PROVIDE WRITTEN APPROVAL VERIFYING THAT THE WATER MAIN INSTALLATION WORK IS COMPLETE.

12. PRIOR TO ORDERING MATERIALS FOR THE WATER MAIN CONNECTIONS, THE CONTRACTOR SHALL DIG A TEST PIT TO VERIFY THE EXACT LOCATION, SIZE, OUTSIDE DIAMETER, ROUNDNESS, ELEVATION, MATERIAL, JOINT LOCATION, AND TYPE AND DIRECTION OF THE EXISTING WATER MAIN. TEST PITS SHALL BE PERFORMED IN THE PRESENCE OF THE FAIRFAX WATER INSPECTOR.

13. INSTALL EACH REPLACEMENT WATER MAIN UP TO BUT EXCLUDING CONNECTIONS TO THE EXISTING WATER MAINS TO THE LINES AND GRADES SHOWN ON THE DRAWINGS, INSTALL TEMPORARY PLUGS OR CAPS, AND SUCCESSFULLY PRESSURE TEST AND DISINFECT THE WATER MAIN. LEAKAGE LOSS AS MEASURED IN GALLONS/HOUR, SHALL NOT EXCEED $SD(P)^{0.5}/148{,}000$ FOR TWO HOURS WHERE "S" IS THE LENGTH IN FEET OF WATER MAIN TESTED, "D" IS THE NOMINAL INSIDE DIAMETER OF THE PIPE IN INCHES, AND "P" IS THE TEST PRESSURE OF 150 PSI OR 150% OF THE MAXIMUM EXPECTED WORKING PRESSURE, WHICHEVER IS GREATER, AT THE HIGH POINT OF THE WATER MAIN UNLESS OTHERWISE SHOWN OR DIRECTED BY FAIRFAX WATER. PRESSURE TESTS SHALL BE LIMITED TO 2,500 FEET FOR ANY INDIVIDUAL TEST. NO ADDITIONAL PAYMENT WILL BE MADE FOR TEMPORARY BLOW OFFS OR AIR RELEASES.

14. AT LEAST SEVEN WORKING DAYS PRIOR TO THE DATE THE CONTRACTOR ANTICIPATES INSTALLING THE CONNECTIONS TO THE EXISTING WATER SYSTEM, THE CONTRACTOR SHALL MEET WITH FAIRFAX WATER AND FAIRFAX CITY REPRESENTATIVES TO REVIEW THE PROPOSED SCHEDULING AND CONSTRUCTION PROCEDURES FOR THE CONNECTIONS. THE CONTRACTOR SHALL WORK CONTINUOUSLY AND EXPEDITIOUSLY AROUND THE CLOCK USING MULTIPLE CREWS TO MINIMIZE WATER SERVICE INTERRUPTIONS ASSOCIATED WITH THE CONNECTIONS, WHICH ARE LIMITED TO 10 HOURS UNLESS OTHERWISE APPROVED BY FAIRFAX WATER. SYSTEM DEMANDS AND OPERATING CONDITIONS AT THE TIME THE CONNECTIONS ARE SCHEDULED MAY REQUIRE A NIGHT (9:00 P.M. TO 6:00 A.M.) CONNECTION TIME. NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR FOR WORK WHICH MUST BE PERFORMED AT NIGHT. APPROVAL OF THE CONTRACTOR'S SCHEDULE FOR CONNECTIONS AND CONSTRUCTION PROCEDURES BY FAIRFAX WATER AND FAIRFAX CITY DOES NOT RELIEVE THE CONTRACTOR OF HIS TOTAL RESPONSIBILITY TO SEE THAT THE CONNECTION IS SUCCESSFULLY COMPLETED WITHIN THE DESIGNATED TIME FRAME.

15. BASED ON THE APPROVED CONSTRUCTION SCHEDULE, FAIRFAX WATER WILL PROVIDE WRITTEN NOTIFICATION TO CUSTOMERS OF WATER SERVICES INTERRUPTIONS AT LEAST 48 HOURS IN ADVANCE.

16. ONLY NON-TOXIC ANSI/NSF 61 APPROVED LUBRICANTS RECOMMENDED BY THE PIPE MANUFACTURER SHALL BE USED ON GASKETS. A SOAP SOLUTION WILL NOT BE ALLOWED.

17. ANY WATER MAIN TO BE INSTALLED IN A FILL AREA SHALL HAVE THE FILL PLACED AND COMPACTED TO A MINIMUM OF 2 FEET ABOVE THE TOP OF THE PROPOSED PIPE PRIOR TO EXCAVATION FOR AND INSTALLATION OF THE PIPE.

18. FIELD APPLIED PETROLATUM TAPE TO BE APPLIED TO:

   A. BURIED MECHANICAL JOINTS, BOLTS, NUTS, COUPLINGS, HARNESS TIE RODS, SADDLES, IRON AND STEEL ANCHORS, AND OTHER BURIED CONNECTING HARDWARE.

   B. PIPE EMBEDDED IN CONCRETE ANCHOR BLOCKS OR OTHERWISE IN CONTACT WITH CONCRETE, EXTENDING THROUGH CONCRETE AND ADJACENT 6 INCHES IN BOTH DIRECTIONS.

   C. SERVICE CLAMPS, NON-MOVING PARTS OF CORPORATION STOPS AND OTHER TRANSITION FITTINGS BETWEEN COPPER SERVICES AND DUCTILE IRON PIPE.

19. NO BLASTING SHALL OCCUR WITHIN 25 FEET OF EXISTING WATER MAINS. A MAXIMUM PARTICLE VELOCITY OF 1.5 INCHES PER SECOND AT THE CLOSEST POINT TO THE WATER MAIN FOR ANY BLASTING THAT OCCURS BEYOND THE 25 FEET LIMIT SHALL BE ADHERED TO.

20. ANY SOUND BARRIER CONSTRUCTION, INCLUDING FOOTINGS, WITHIN 15 FEET OF THE EXISTING OR PROPOSED WATER MAINS SHALL BE REVIEWED FOR APPROVAL BY FAIRFAX WATER.

21. THE CONTRACTOR SHALL RELOCATE WATER METERS AND SERVICE LINES AS SHOWN IN THE DRAWINGS, IN ACCORDANCE WITH THE STANDARD DETAILS. NO WATER SERVICE RECONNECTIONS WILL BE PERMITTED UNTIL APPROVED BY THE FAIRFAX WATER INSPECTOR. METER BOXES SHALL BE SET TO GRADE AS A CONDITION OF FAIRFAX WATER APPROVAL OF THE WORK.

22. PROPOSED WATER MAINS AND SERVICE LINES MUST BE PLACED IN SERVICE BEFORE EXISTING WATER MAINS AND SERVICE LINES ARE ABANDONED.

23. IN INSTANCES WHERE FAIRFAX CITY AND FAIRFAX WATER REQUIREMENTS OVERLAP OR ADDRESS THE SAME ISSUES, THE MORE STRINGENT SHALL BE ADHERED TO.

24. ALL VALVES AND APPURTENANCES REQUIRED BY THE PROJECT TO BE ABANDONED OR REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND THE DISPOSAL/REMOVAL OF SUCH SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

25. IF THE PROJECT REQUIRES CUTTING OF ASBESTOS CEMENT PIPE WATER MAINS, THE CONTRACTOR SHALL COMPLY WITH ALL STATE, FEDERAL AND LOCAL REGULATIONS INCLUDING, BUT NOT LIMITED TO, OSHA REQUIREMENTS AND VIRGINIA DEPARTMENT OF WASTE MANAGEMENT REGULATIONS IN WORKING WITH AND DISPOSAL OF ASBESTOS CEMENT PIPE.

26. ALL EXISTING AND NEW VALVE BOXES MUST BE FULLY ADJUSTED TO CONFORM TO FINAL ASPHALT GRADE. NO PAVING ADJUSTERS WILL BE PERMITTED.

27. IN AREAS WHERE PETROLEUM-CONTAMINATED SOILS ARE ENCOUNTERED ALONG THE PROPOSED WATER MAIN ALIGNMENT, THE CONTRACTOR, AS DIRECTED BY FAIRFAX WATER, SHALL REMOVE AND DISPOSE OF ALL CONTAMINATED SOILS WITHIN THE PIPELINE TRENCH WHERE THE TOTAL PETROLEUM HYDROCARBON (TPH) CONCENTRATION EXCEEDS 50 MG/KG. THE CONTAMINATED SOILS SHALL BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE REGULATIONS OF THE VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY (VDEQ), THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA), OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AND INDUSTRY-RECOGNIZED REMOVAL PROCEDURES AT A CERTIFIED LAND FILL SITE FOR THE CONCENTRATION LEVELS ENCOUNTERED. THE CONTRACTOR SHALL INSTALL VITON GASKETS IN ACCORDANCE WITH THE PIPELINE MANUFACTURER'S INSTALLATION REQUIREMENTS IN ALL AREAS WHERE EXCAVATED SOILS EXCEED 10 MG/KG TPH OR TO THE EXTENT DIRECTED BY FAIRFAX WATER. SUITABLE CLEAN FILL MATERIAL SHALL BE PUT IN PLACE ABOVE THE NEWLY INSTALLED WATER MAIN, IF IN A NON-PAVED AREA, IN ACCORDANCE WITH FAIRFAX WATER'S STANDARD TRENCH DETAILS.

28. THE CONTRACTOR SHALL NOT INSTALL ANY EARTHWORK OVER EXISTING OR PROPOSED FAIRFAX WATER UTILITIES BEYOND THAT WHICH IS SHOWN IN THE APPROVED DRAWINGS WITHOUT THE APPROVAL OF FAIRFAX WATER.

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:53:12 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2(1)

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

100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend
- Exist. Water Main — W —
- Exist. Water Abandon — // — W — //
- Prop. Water Main — W —
- Prop. Hydrant
- Prop. Valve
- Prop. Meter (M)

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-154-R94	2(1)

12/12/2025

100% PLANS

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

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:52:54 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2I(2)

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

SUMMARY OF QUANTITIES

SHEET NUMBER	DUCTILE IRON WATER MAIN			GATE VALVE & VALVE BOX			HYDRANT INSTALLATION	ADJUST EXISTING VALVE BOX	RELOCATE WATER METER & METER BOX	WATER SERVICE LINE	2" AIR RELEASE
SIZE	6"	8"	12"	6"	8"	12"	--	--	--	1"	2"
UNITS	L.F	L.F	L.F	EACH	EACH	EACH	EACH	EACH	EACH	L.F.	EACH
21(3)	0	0	0	0	0	0	0	0	0	0	0
21(4)	44	458	0	2	2	0	1	1	3	81	0
21(5)	51	161	0	3	4	0	2	1	0	0	0
21(6)	26	388	0	1	2	0	0	5	2	20	0
21(7)	39	916	0	3	9	0	2	0	0	0	0
21(8)	24	413	0	1	3	0	1	0	1	10	0
21(9)	0	0	0	0	0	0	0	6	0	0	0
21(10)	0	0	482	0	0	0	0	4	0	0	1
21(11)	0	42	170	0	1	2	0	2	0	0	0
21(12)	12	27	398	1	1	2	1	0	1	28	0
21(13)	0	0	0	0	0	0	0	0	0	0	0
21(14)	0	60	203	0	1	2	0	2	0	20	0
TOTAL	196	2465	1253	11	23	6	7	21	7	159	1

MEASUREMENT AND PAYMENT

1. MEASUREMENT AND PAYMENT FOR ITEMS LISTED IN THE WATER MAIN SUMMARY SHALL BE AS DEFINED IN THE LATEST EDITION OF THE VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS OR AS OTHERWISE DENOTED HEREON. PAYMENT SHALL INCLUDE FULL COMPENSATION FOR ALL MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE INSTALLATION IN ACCORDANCE WITH THE APPLICABLE FAIRFAX WATER STANDARD DETAILS AND THOSE IN THE PLANS.

2. DUCTILE IRON WATER MAIN: FAIRFAX WATER'S WATER MAINS, APPURTENANCES, AND OTHER ASSOCIATED WORK WILL BE MEASURED IN UNITS OF LINEAR FEET, COMPLETE, AND PAID FOR AT THE CONTRACT UNIT PRICE PER LINEAR FOOT FOR THE RESPECTIVE SIZE OF THE WATER MAIN. THIS PRICE SHALL INCLUDE EXCAVATION, SHEETING AND SHORING, BEDDING, BACKFILL, COMPACTION, CONNECTIONS TO THE EXISTING WATER MAINS, TESTING, DEWATERING, AND THE FOLLOWING, BASED ON THE RESPECTIVE SIZE OF THE WATER MAIN:

   - BRANCHES, BENDS, REDUCERS, CAPS, AND PLUGS (12" AND LESS), INCLUDING CONCRETE THRUST RESTRAINTS
   - LONG SOLID SLEEVES AND ASSOCIATED FITTINGS
   - RESTRAINED JOINT PIPE, PIPE RESTRAINT, AND IDENTIFICATION TAPE
   - POLYETHYLENE ENCASEMENT
   - CASING SPACES

   EXCAVATION SUPPORT SYSTEMS AND PIPE SUPPORT SYSTEMS WILL NOT BE MEASURED FOR SEPARATE PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF THE WATER MAIN.

   ABANDONMENT OR REMOVAL OF EXISTING WATER MAINS WILL INCLUDE, BUT WILL NOT BE LIMITED TO, CLOSING ALL VALVES; REMOVING VALVE BOXES, WATERLINE MARKERS, FIRE HYDRANTS, BOLLARDS, AND TEST STATIONS; CUTTING AND PLUGGING EXISTING WATER MAINS; REMOVING EXISTING WATER MAINS (AS REQUIRED); CRIMPING COPPER SERVICE LINES; COMPACTING; BACKFILLING WITH SUITABLE MATERIAL; DELIVERY OF SALVAGE MATERIALS TO FAIRFAX WATER'S STORAGE YARDS; AND OTHER ASSOCIATED WORK, WHERE INDICATED ON THE PLANS AND WHERE DIRECTED BY FAIRFAX WATER AND WILL NOT BE MEASURED FOR SEPARATE PAYMENT.

   IF THE CONTRACTOR IS REQUIRED TO INSTALL VITON GASKETS AS A RESULT OF ENCOUNTERING PETROLEUM CONTAMINATED SOILS (REFER TO WATER MAIN CONSTRUCTION NOTE 27, SHEET 21(1), THE CONTRACTOR WILL BE COMPENSATED FOR THE VITON GASKETS BASED ON ACTUAL INVOICED PRICE MINUS THE COST FOR THE STANDARD GASKET, PLUS APPROVED MARK-UP PER THE CONTRACT REQUIREMENTS. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR THE INSTALLATION OF THE VITON GASKETS.

3. VALVES AND BOXES WILL BE MEASURED IN UNITS OF EACH COMPLETE IN PLACE, AND PAID FOR AT THE CONTRACT UNIT PRICE PER EACH BASED ON ITS RESPECTIVE SIZE AND TYPE. THIS PRICE SHALL INCLUDE FULL COMPENSATION FOR FURNISHING AND INSTALLING THE GATE VALVE, FOR MAINS UP TO 14 INCHES, OR THE BUTTERFLY VALVE, FOR MAINS 16-INCHES AND LARGER; VALVE BOXES, CONNECTION TO THE WATER MAIN, AND ALL MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK, INCLUDING EXCAVATION, BEDDING, BACKFILL AND COMPACTION.

4. HYDRANTS WILL BE MEASURED IN UNITS OF EACH, COMPLETE-IN-PLACE AND PAID FOR AT THE CONTRACT UNIT PRICE FOR EACH, WHICH PRICE SHALL INCLUDE FULL COMPENSATION FOR THE HYDRANT; CONNECTION TO HYDRANT LEG PIPING; FITTINGS; THRUST RESTRAINT; AND ALL OTHER MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK, AS INDICATED IN THE HYDRANT DETAIL INCLUDED IN THE PLANS. THE BID PRICE FOR THE INSTALLATION OF PROPOSED HYDRANT SHALL INCLUDE FULL COMPENSATION FOR REMOVING EXISTING HYDRANT, VALVE AND PLUGGING EXISTING TEE AND ALL INCIDENTALS NECESSARY TO COMPLETE THE WORK.

5. ADJUST EXISTING VALVE BOX: INCLUDED IN THE BID PRICE FOR ADJUSTING OF EXISTING VALVE BOXES SHALL BE ANY WORK OR MATERIAL REQUIRED TO BRING THE VALVE BOX AND OPERATING NUT TO PROPOSED GRADE AND ALL INCIDENTALS NECESSARY TO COMPLETE THE WORK. NO PAVING ADJUSTERS WILL BE PERMITTED, INCLUDING EXISTING PAVING ADJUSTMENTS.

6. RELOCATE EXISTING WATER METER BOXES SHALL BE MEASURED IN UNITS OF EACH. INCLUDED IN THE BID PRICE FOR RELOCATING AN EXISTING METER BOX SHALL BE EXCAVATION, BEDDING, BACKFILL, AND COMPACTION AS WELL AS ANY WORK OR MATERIAL REQUIRED TO BRING THE METER BOX TO PROPOSED GRADE AND BRING THE METER AND METER YOKE TO THE SPECIFIED DISTANCE BELOW PROPOSED GRADE, AS INDICATED ON FAIRFAX WATER METER INSTALLATION DETAILS ON SHEET 21(29) AND ALL INCIDENTALS NECESSARY TO COMPLETE THE WORK.

7. WATER SERVICE LINE WILL BE MEASURED IN UNITS OF LINEAR FEET, COMPLETE-IN-PLACE, AND PAID FOR AT THE CONTRACT UNIT PRICE PER LINEAR FOOT FOR THE RESPECTIVE SIZE OF THE PIPING, AND WILL INCLUDE EXCAVATING, SHEETING AND SHORING, BEDDING, COMPACTING, BACKFILLING; CONNECTIONS TO EXSTING MAINS AND SERVICE LINE AND ALL INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SHOWN IN THE 1" SERVICE CONNECTION DETAIL.

8. 2" AIR RELEASE WILL BE MEASURED IN UNITS OF EACH, COMPLETE IN PLACE, AND PAID FOR AT THE CONTRACT UNIT PRICE FOR EACH, WHICH PRICE SHALL INCLUDE FULL COMPENSATION FOR FURNISHING AND INSTALLING THE GATE VALVE; PIPE AND FITTINGS; VALVE BOXES; CONNECTION TO THE WATER MAIN; AND ALL OTHER MATERIALS, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SHOWN IN THE 2" AIR RELEASE DETIAL.

100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend
- Exist. Water Main — W —
- Exist. Water Abandon — // W //
- Prop. Water Main — W —
- Prop. Hydrant
- Prop. Valve
- Prop. Meter

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-154-R94	2I(2)

12/12/2025

100% PLANS

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

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

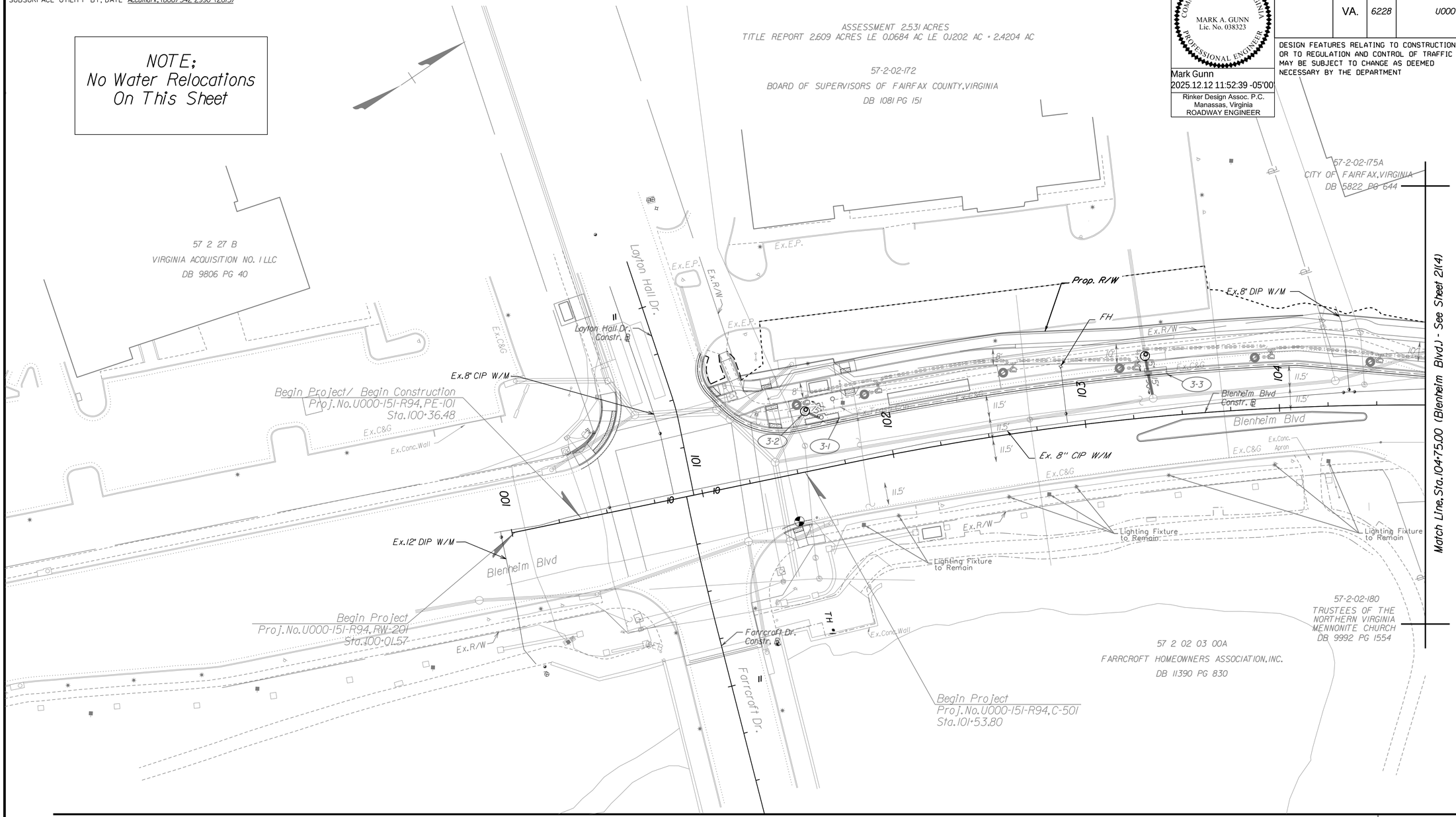
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:52:39 -05'00'
Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2I(3)

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

NOTE;
No Water Relocations
On This Sheet



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend

Exist. Water Main	W
Exist. Water Abandon	// W //
Prop. Water Main	W
Prop. Hydrant	
Prop. Valve	
Prop. Meter	M

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

Survey Control Data Sheet	1F
Geometric Data Sheet	1G(3)
Horizontal Constr. Alignment Data	1G(1A) - 1G(1E)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	3A
Profile Layton Hall Dr. & Farrcroft Dr.	3B

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-154-R94	2I(3)

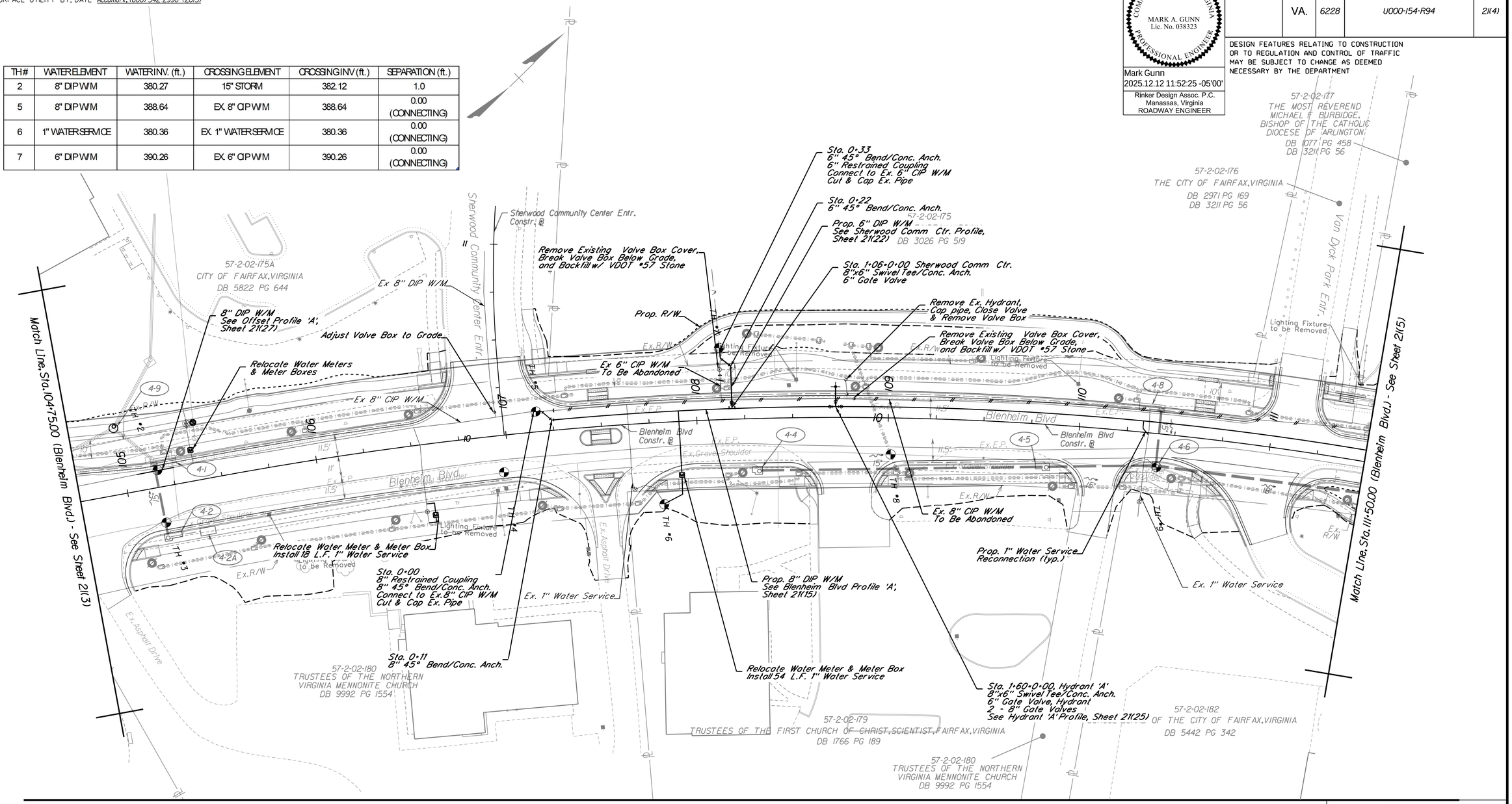
12/12/2025

100% PLANS

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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

TH#	WATER ELEMENT	WATER INV. (ft.)	CROSSING ELEMENT	CROSSING INV (ft.)	SEPARATION (ft.)
2	8" DIP W/M	380.27	15" STORM	382.12	1.0
5	8" DIP W/M	388.64	EX. 8" CIP W/M	388.64	0.00 (CONNECTING)
6	1" WATER SERVICE	380.36	EX. 1" WATER SERVICE	380.36	0.00 (CONNECTING)
7	6" DIP W/M	390.26	EX. 6" CIP W/M	390.26	0.00 (CONNECTING)



REVISED

STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
VA.	6228	U000-154-R94	21(4)

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:52:25 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

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

100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend

Exist. Water Main	W
Exist. Water Abandon	// W //
Prop. Water Main	W
Prop. Hydrant	
Prop. Valve	
Prop. Meter	M

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

Survey Control Data Sheet	IF
Geometric Data Sheet	IG(4)
Horizontal Constr. Alignment Data	IG(1A) - IG(1E)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	4A
Profile Entrances	4B, 4B(1)

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-154-R94	21(4)

12/12/2025

100% PLANS

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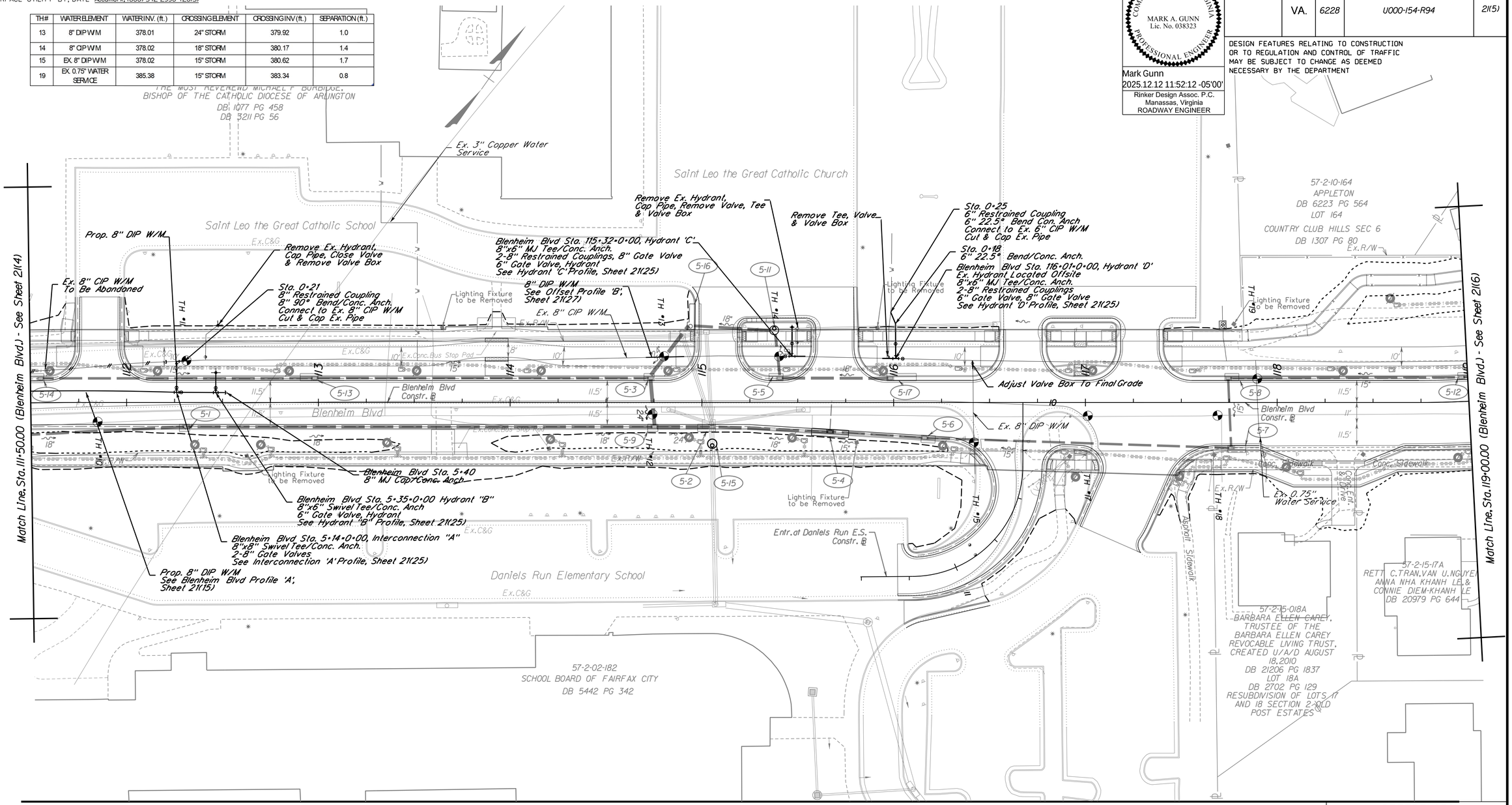
TH#	WATER ELEMENT	WATER INV. (ft.)	CROSSING ELEMENT	CROSSING INV (ft.)	SEPARATION (ft.)
13	8" DIP W/M	378.01	24" STORM	379.92	1.0
14	8" CIP W/M	378.02	18" STORM	380.17	1.4
15	EX. 8" DIP W/M	378.02	15" STORM	380.62	1.7
19	EX. 0.75" WATER SERVICE	385.38	15" STORM	383.34	0.8

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2025.12.12 11:52:12 -05'00'
Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2I(5)

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



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend

Exist. Water Main	W
Exist. Water Abandon	W
Prop. Water Main	W
Prop. Hydrant	
Prop. Valve	
Prop. Meter	M

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

Survey Control Data Sheet	IF
Geometric Data Sheet	IG(5)
Horizontal Constr. Alignment Data	IG(IA) - IG(IE)
Erosion Controls Ph.I & Ph.2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	5A
Profile Entrances	5B, 5B(1)

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-154-R94	2I(5)

12/12/2025

100% PLANS

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

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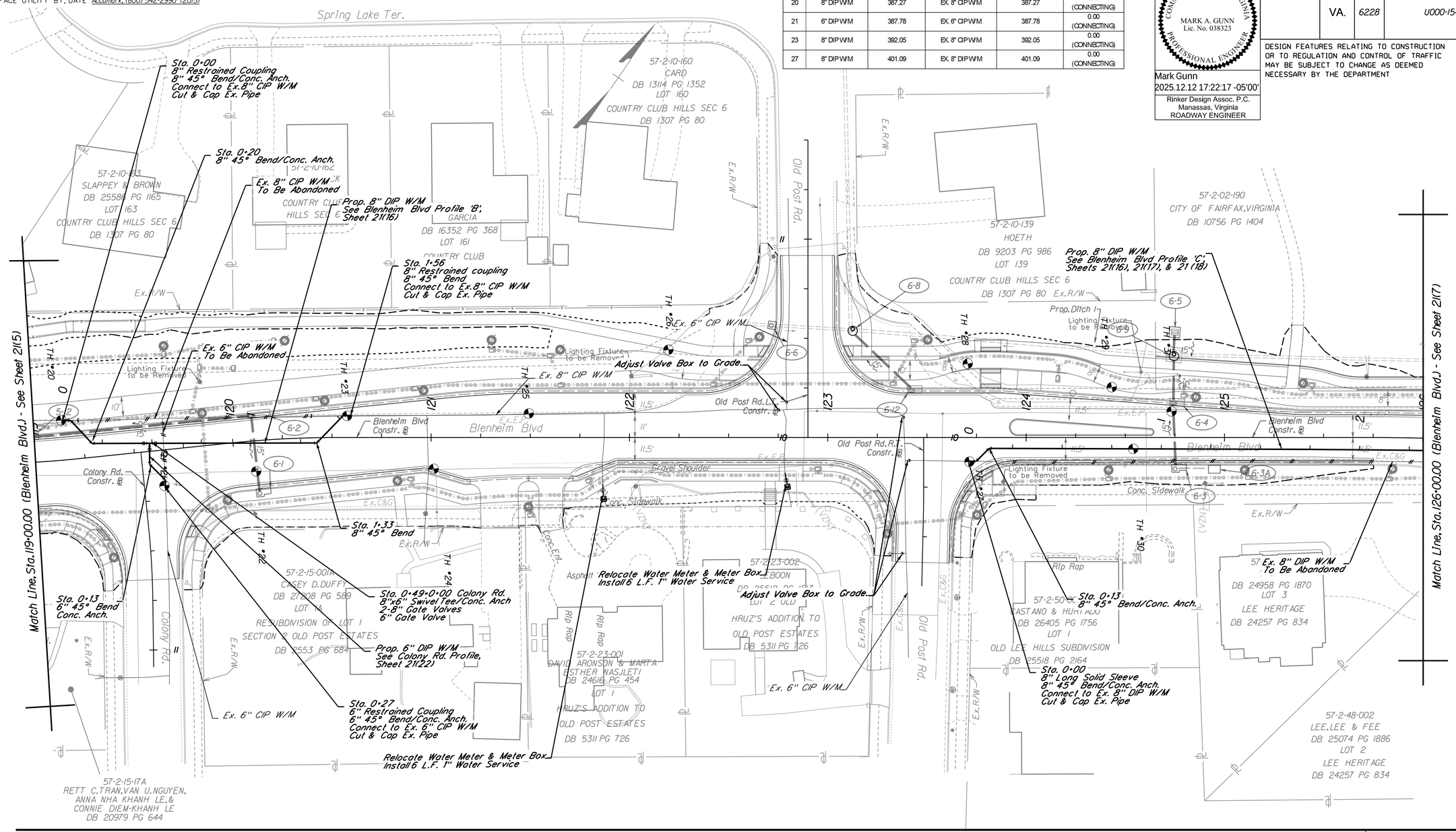
TH#	WATER ELEMENT	WATER INV. (ft.)	CROSSING ELEMENT	CROSSING INV (ft.)	SEPARATION (ft.)
20	8" DIP W/M	387.27	EX. 8" CIP W/M	387.27	0.00 (CONNECTING)
21	6" DIP W/M	387.78	EX. 6" CIP W/M	387.78	0.00 (CONNECTING)
23	8" DIP W/M	392.05	EX. 8" CIP W/M	392.05	0.00 (CONNECTING)
27	8" DIP W/M	401.09	EX. 8" DIP W/M	401.09	0.00 (CONNECTING)

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
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PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 17:22:17 -05'00'
Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2I(6)

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



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend
- Exist. Water Main
- Exist. Water Abandon
- Prop. Water Main
- Prop. Hydrant
- Prop. Valve
- Prop. Meter

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

Survey Control Data Sheet	IF
Geometric Data Sheet	IG(6)
Horizontal Constr. Alignment Data	IG(IA) - IG(IE)
Erosion Controls Ph.I & Ph.2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	6A
Profile Old Post Rd., Entrance	6B

SCALE 0 25' 50' | PROJECT U000-154-R94 | SHEET NO. 2I(6)

12/12/2025

100% PLANS

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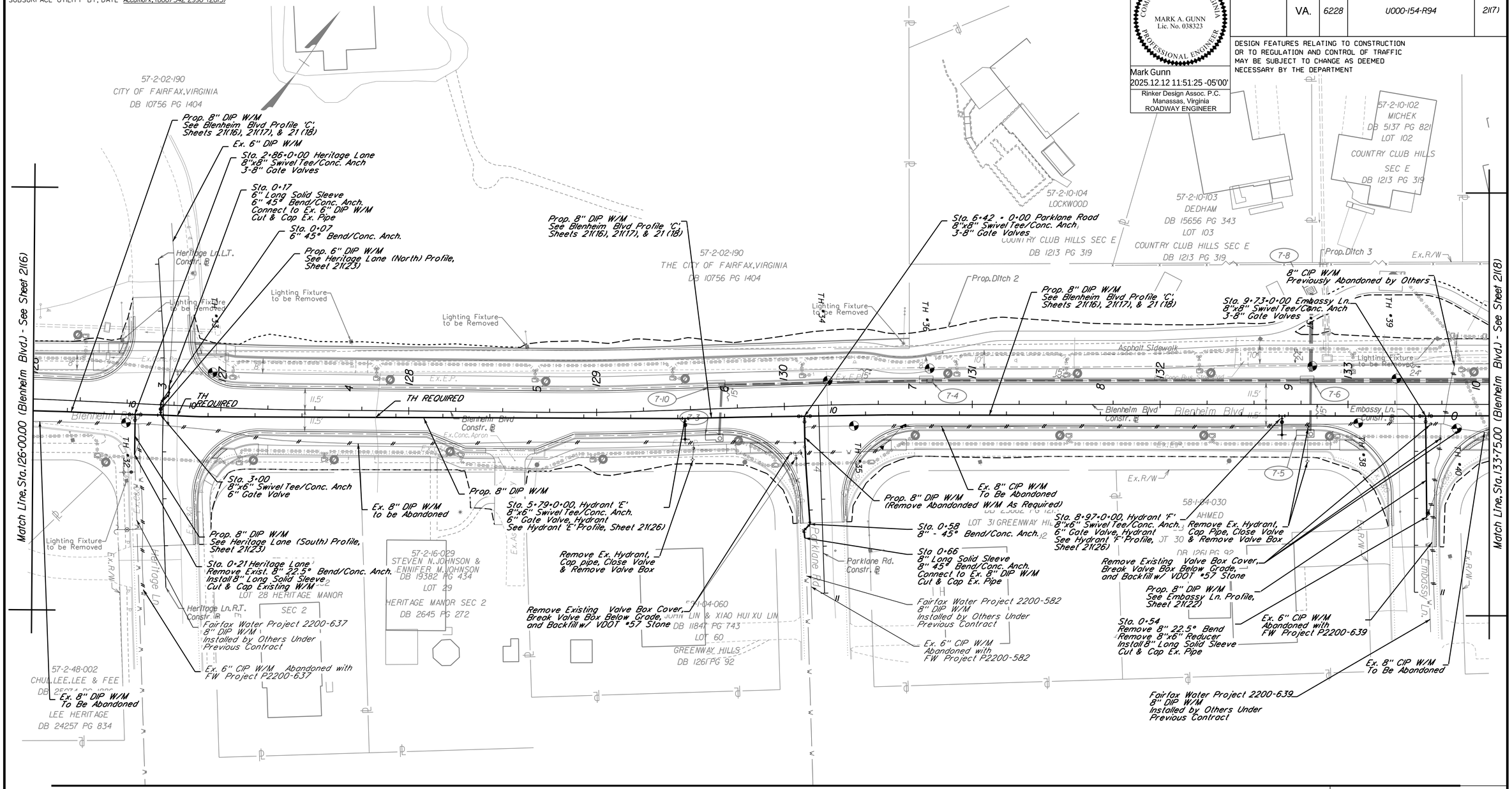
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:51:25 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2I(7)

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



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend

Exist. Water Main	W
Exist. Water Abandon	// W //
Prop. Water Main	W
Prop. Hydrant	
Prop. Valve	
Prop. Meter	M

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

Survey Control Data Sheet	IF
Geometric Data Sheet	IG(7)
Horizontal Constr. Alignment Data	IG(IA) - IG(IE)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	7A
Profile Heritage Ln., Parklane Rd.	7B
Profile Embbasy Ln.	7B

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-154-R94	2I(7)

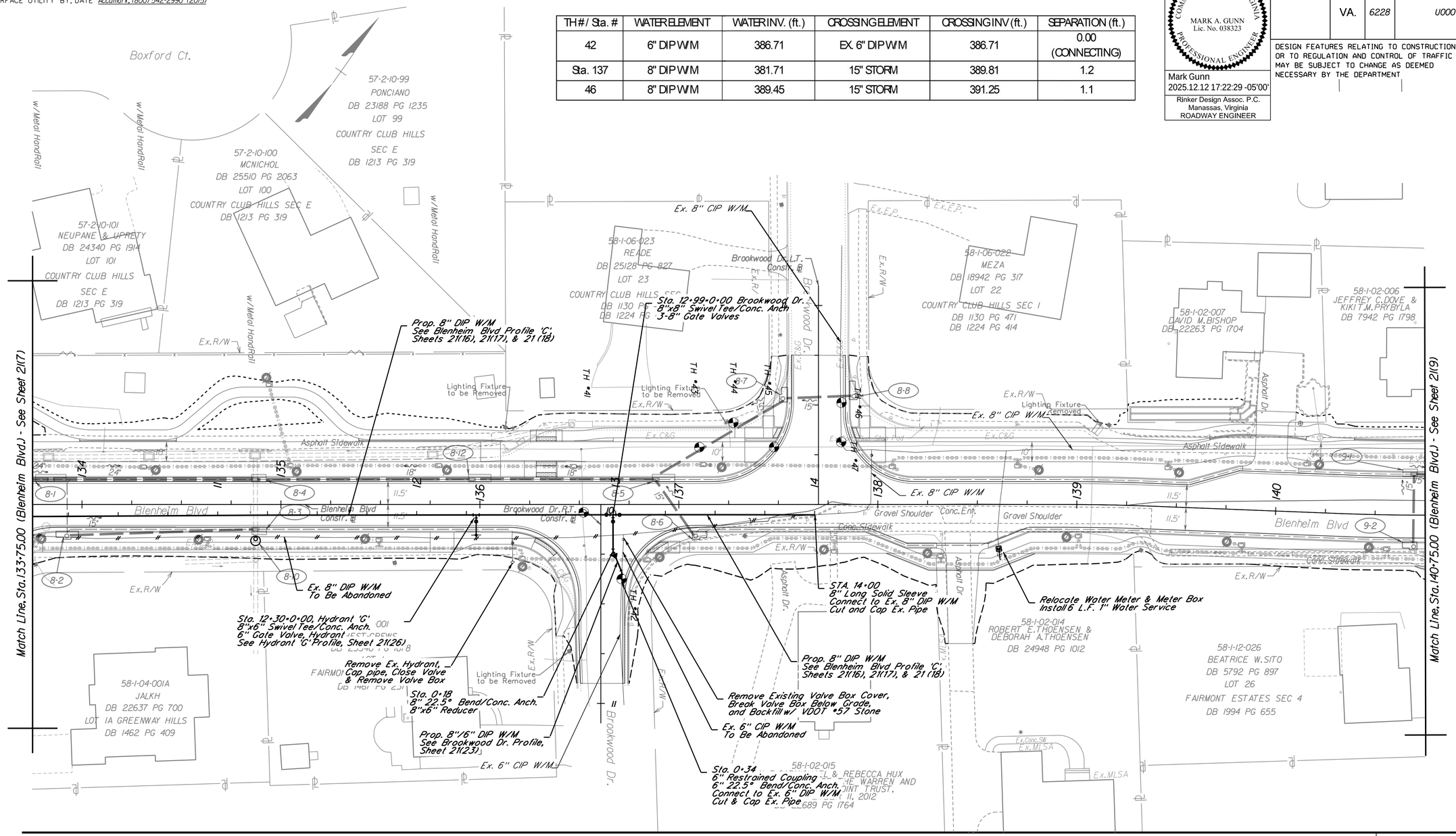
12/12/2025

100% PLANS

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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

TH#/ Sta. #	WATER ELEMENT	WATER INV. (ft.)	CROSSING ELEMENT	CROSSING INV (ft.)	SEPARATION (ft.)
42	6" DIP W/M	386.71	EX. 6" DIP W/M	386.71	0.00 (CONNECTING)
Sta. 137	8" DIP W/M	381.71	15" STORM	389.81	1.2
46	8" DIP W/M	389.45	15" STORM	391.25	1.1



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend
Exist. Water Main — W —
Exist. Water Abandon — // W //
Prop. Water Main — W —
Prop. Hydrant
Prop. Valve
Prop. Meter

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

Survey Control Data Sheet	IF
Geometric Data Sheet	IG(8)
Horizontal Constr. Alignment Data	IG(1A) - IG(1E)
Erosion Controls Ph.1 & Ph.2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	8A
Profile Brookwood Drive	8B

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-154-R94	2I(8)

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER
Mark Gunn
2025.12.12 17:22:29 -05'00'
Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2I(8)

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

12/12/2025

100% PLANS

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SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

TH#	WATER ELEMENT	WATER INV. (ft.)	CROSSING ELEMENT	CROSSING INV (ft.)	SEPARATION (ft.)
49	8" DIP W/M	389.31	15" STORM	387.33	0.5

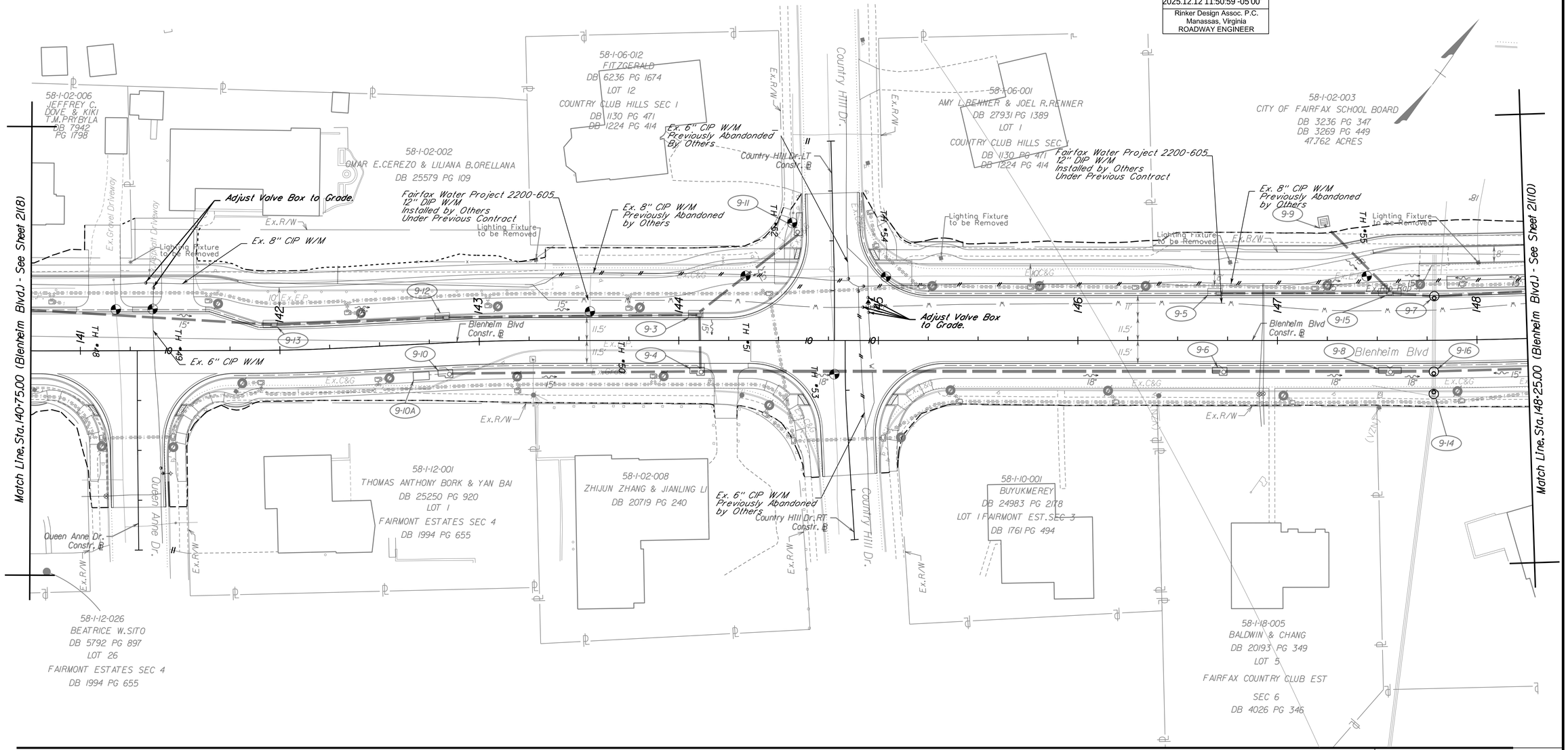
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
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Mark Gunn
2025.12.12 11:50:59 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2I(9)

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



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend

Exist. Water Main	W
Exist. Water Abandon	// W //
Prop. Water Main	W
Prop. Hydrant	
Prop. Valve	
Prop. Meter	M

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

Survey Control Data Sheet	IF
Geometric Data Sheet	IG(9)
Horizontal Constr. Alignment Data	IG(IA) - IG(IE)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	9A
Profile Queen Anne Dr., Country Hill Dr.	9B

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-154-R94	2I(9)

12/12/2025

100% PLANS

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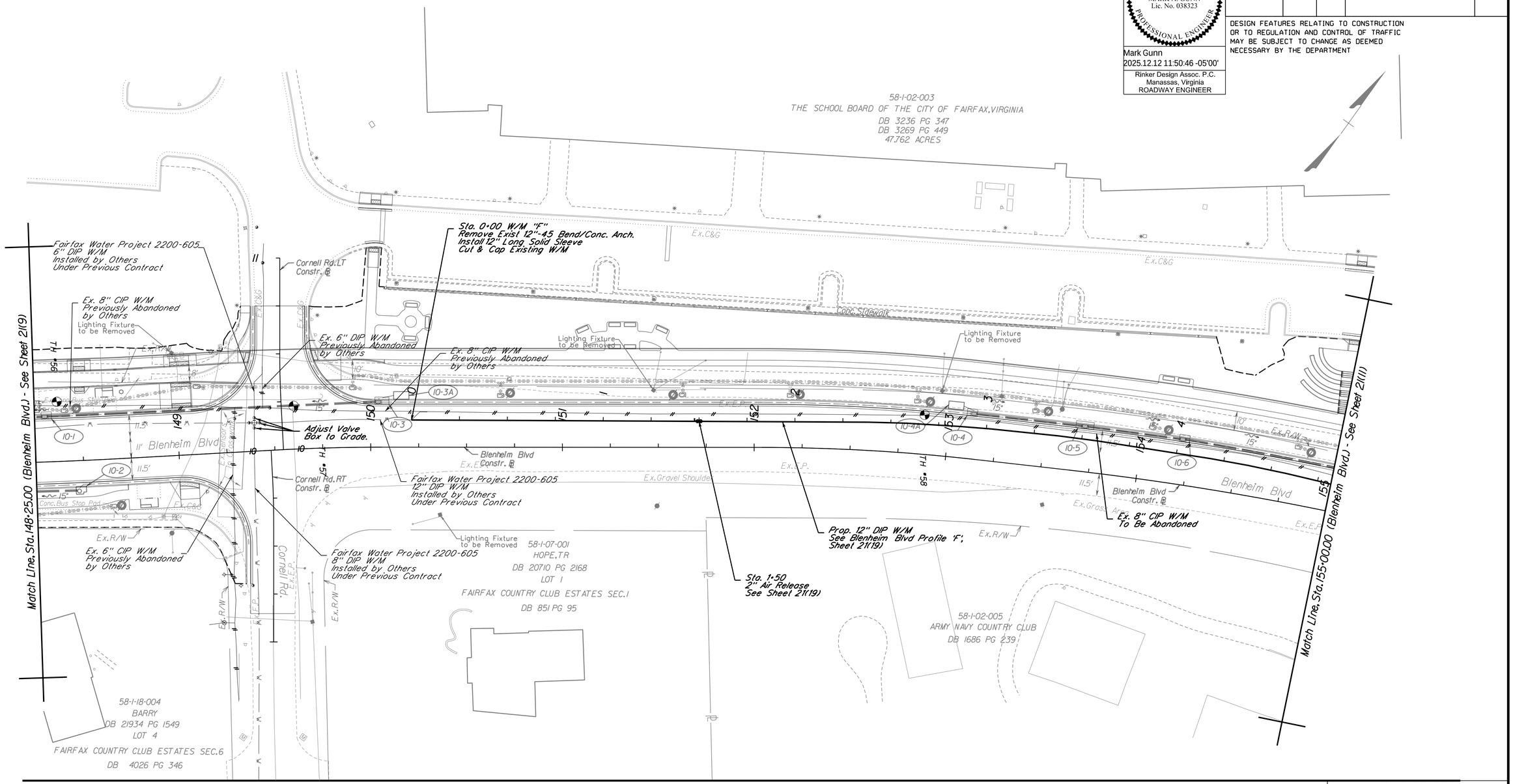
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:50:46 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2I(10)

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



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend

Exist.Water Main	W
Exist.Water Abandon	// W //
Prop.Water Main	W
Prop.Hydrant	
Prop.Valve	
Prop.Meter	M

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

Survey Control Data Sheet	IF
Geometric Data Sheet	IG(10)
Horizontal Constr. Alignment Data	IG(1A) - IG(1E)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	10A
Profile Cornell Rd., Entrance	10B

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-154-R94	2I(10)

12/12/2025

100% PLANS

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

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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

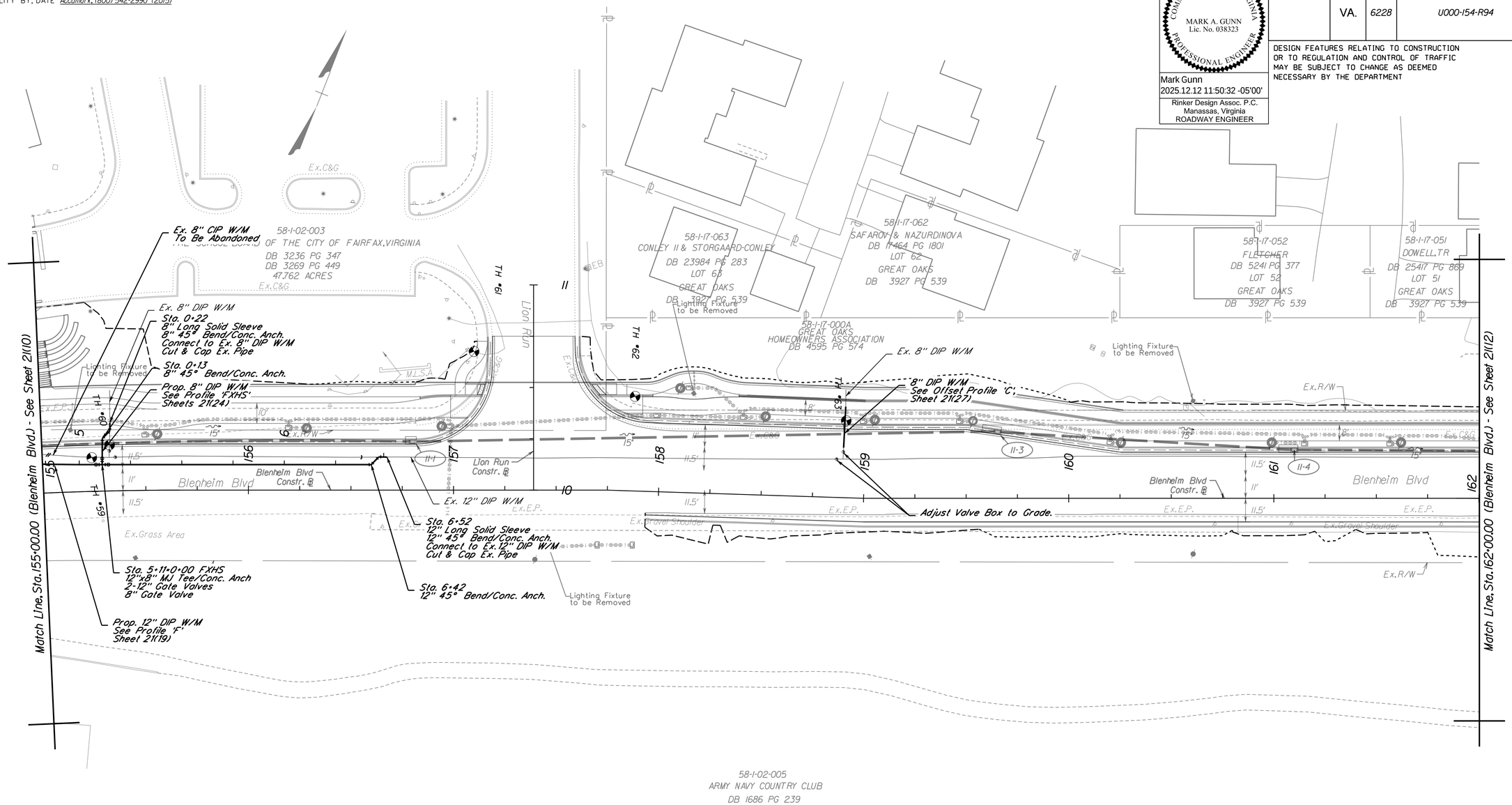
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:50:32 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2(II)

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



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend

Exist. Water Main	W
Exist. Water Abandon	W
Prop. Water Main	W
Prop. Hydrant	
Prop. Valve	
Prop. Meter	M

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

Survey Control Data Sheet	IF
Geometric Data Sheet	IG(II)
Horizontal Constr. Alignment Data	IG(IA) - IG(IE)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	IIA
Profile Llon Run	IIB

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-154-R94	2(II)

12/12/2025

100% PLANS

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

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

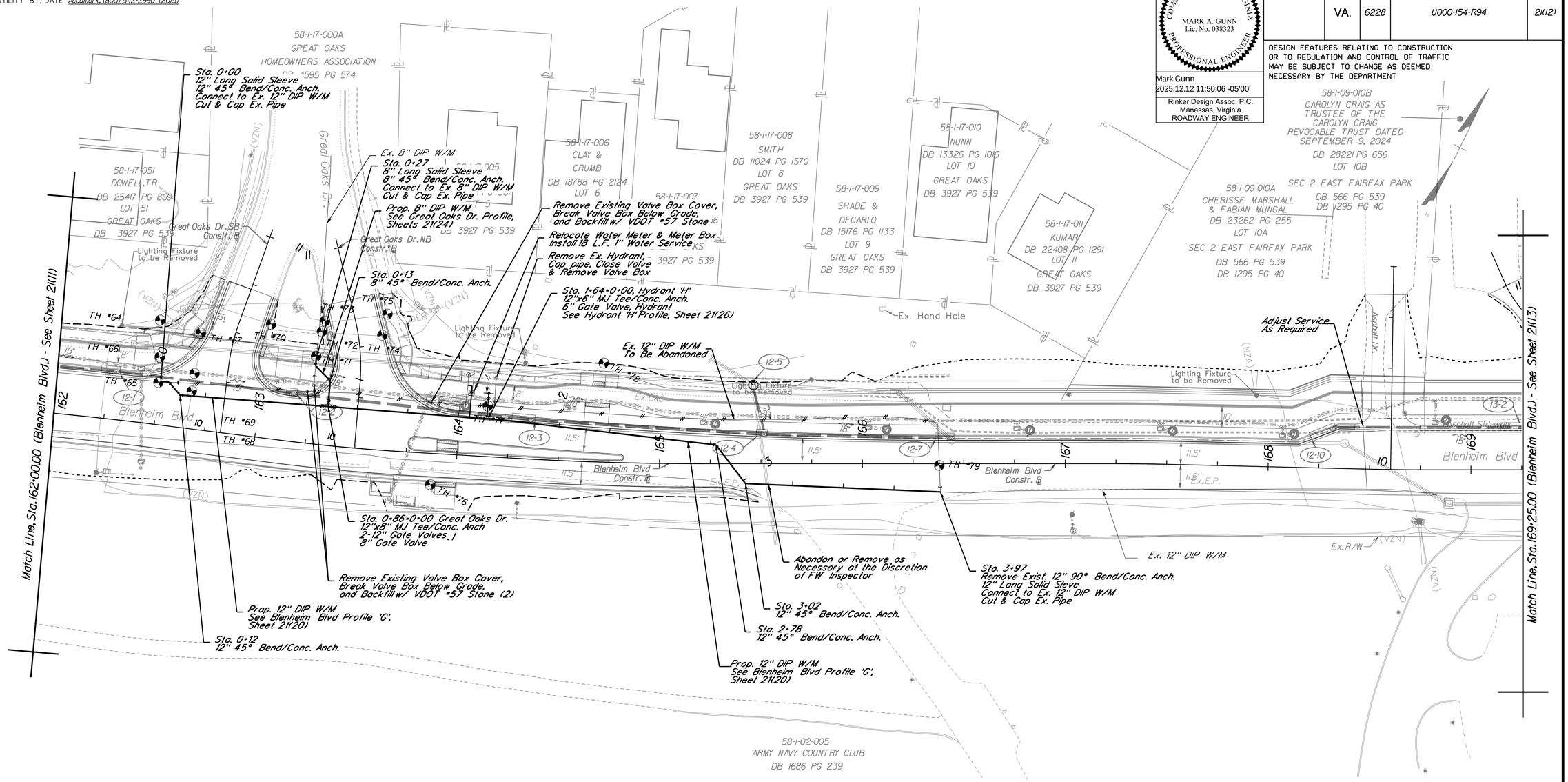
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:50:06 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	21(12)

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



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend

Exist. Water Main	W
Exist. Water Abandon	W
Prop. Water Main	W
Prop. Hydrant	
Prop. Valve	
Prop. Meter	

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

Survey Control Data Sheet	1F
Geometric Data Sheet	1G(12)
Horizontal Constr. Alignment Data	1G(1A) - 1G(1E)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	12A
Profile Great Oaks Dr., Entrances	12B

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-154-R94	21(12)

12/12/2025

100% PLANS

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

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
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SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

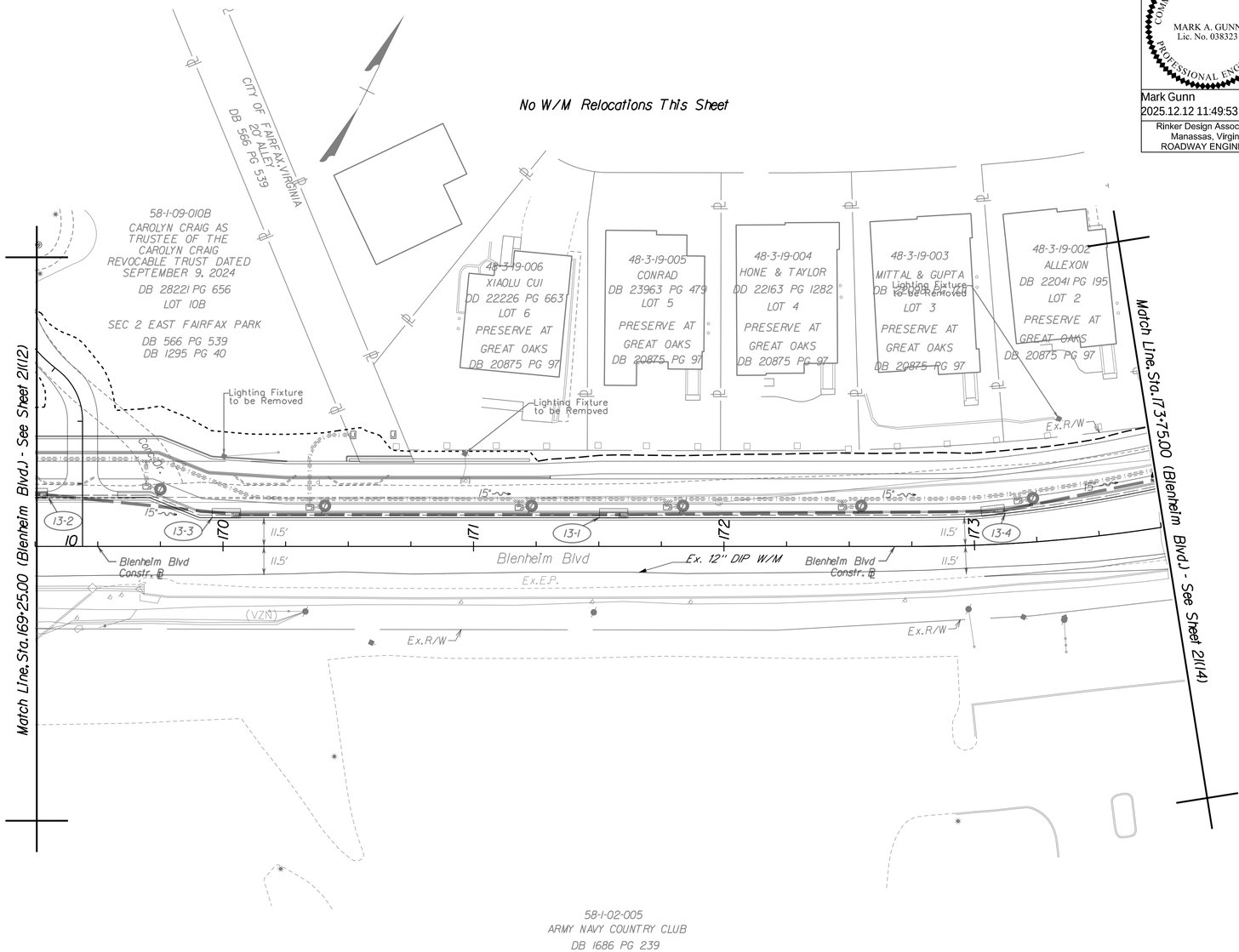
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:49:53 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2ll13)

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



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend

Exist. Water Main	W
Exist. Water Abandon	W
Prop. Water Main	W
Prop. Hydrant	
Prop. Valve	
Prop. Meter	M

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

Survey Control Data Sheet	1F
Geometric Data Sheet	1G(13)
Horizontal Constr. Alignment Data	1G(1A) - 1G(1E)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	13A
Profile Entrances	13B

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-154-R94	2ll13)

12/12/2025

100% PLANS

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SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

TH#	WATER ELEMENT	WATER INV. (ft.)	CROSSING ELEMENT	CROSSING INV (ft.)	SEPARATION (ft.)
65	12" DIP W/M	366.33	EX. 12" DIP W/M	366.33	0.00 (CONNECTING)
71	8" DIP W/M	363.83	EX. 8" DIP W/M	363.83	0.00 (CONNECTING)
79	12" DIP W/M	UNKNOWN	EX. 12" DIP W/M	UNKNOWN	0.00 (CONNECTING)

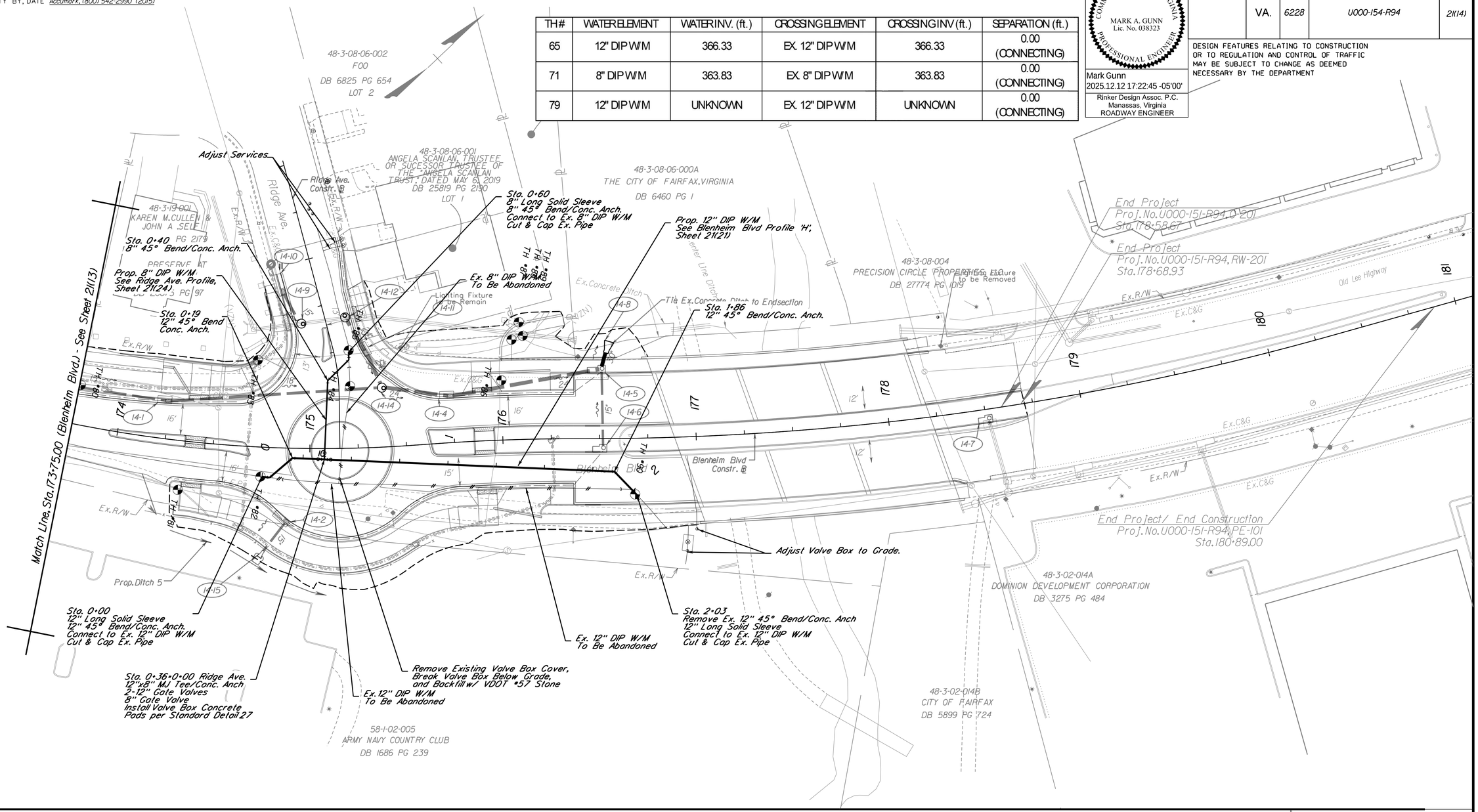
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 17:22:45 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2l(14)

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



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend

Exist. Water Main	W
Exist. Water Abandon	W
Prop. Water Main	W
Prop. Hydrant	
Prop. Valve	
Prop. Meter	M

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

Survey Control Data Sheet	IF
Geometric Data Sheet	IG(14)
Horizontal Constr. Alignment Data	IG(1A) - IG(1E)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	14A
Profile Ridge Avenue	14B

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-154-R94	2l(14)

12/12/2025

100% PLANS

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

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

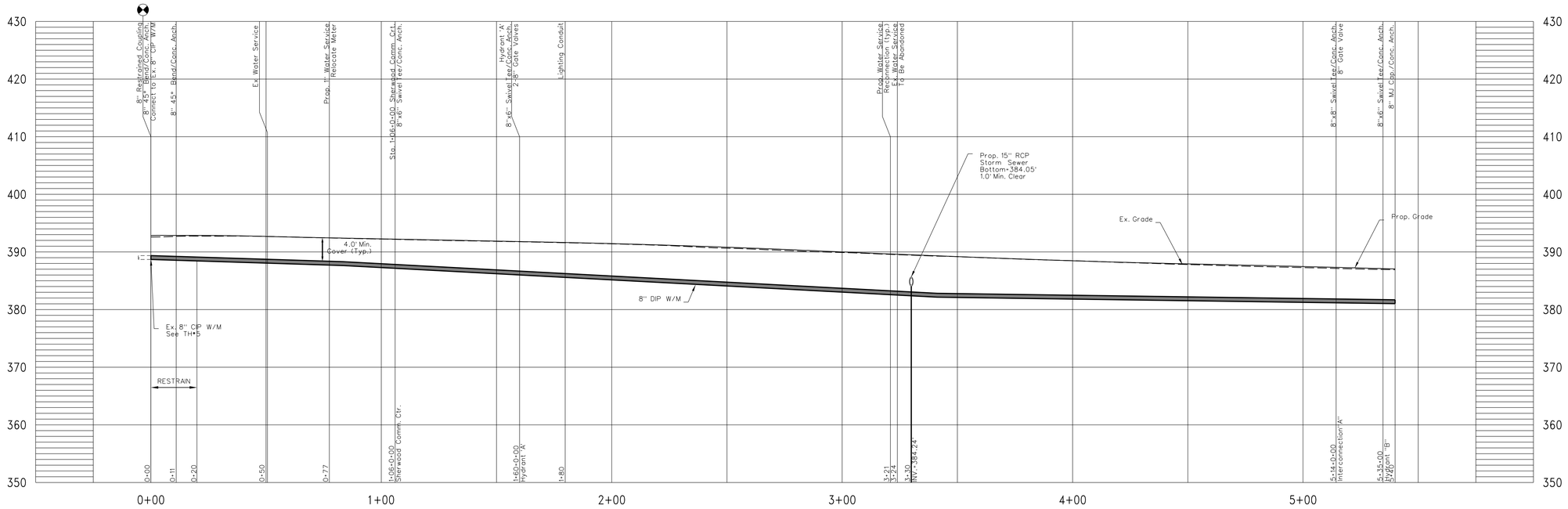
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:49:25 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

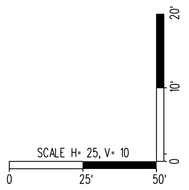
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2l(15)

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



BLENHEIM BOULEVARD PROFILE "A"

Scale: 1"=25' Horz. ; 1"=10' Vert.
See Plan Sheet 21(4) & 21(5)



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend
Proposed Test Hole Location

PROJECT	SHEET NO.
U000-154-R94	2l(15)

12/12/2025

100% PLANS

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

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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

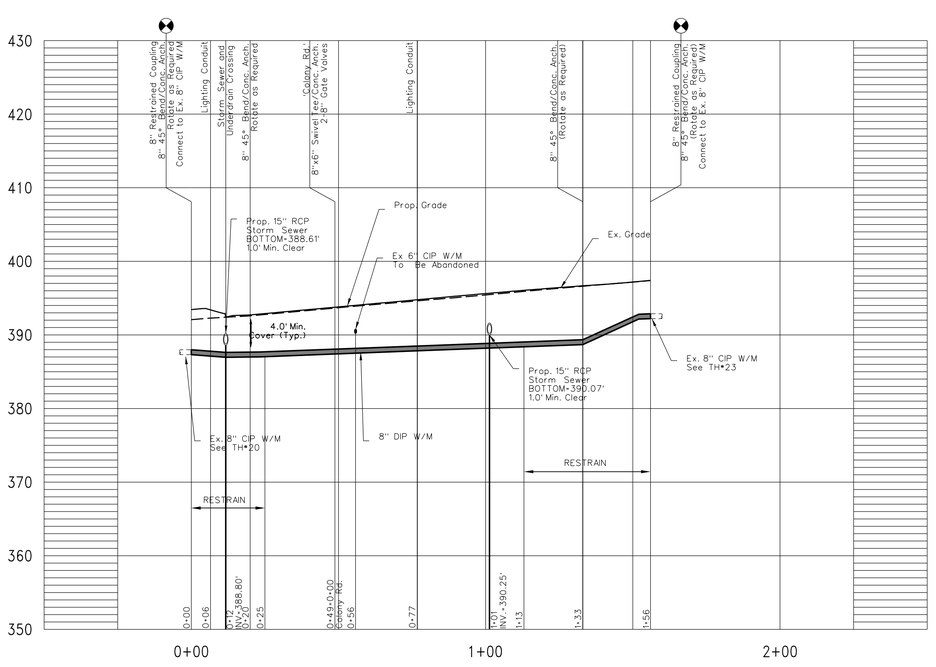
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:49:12 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

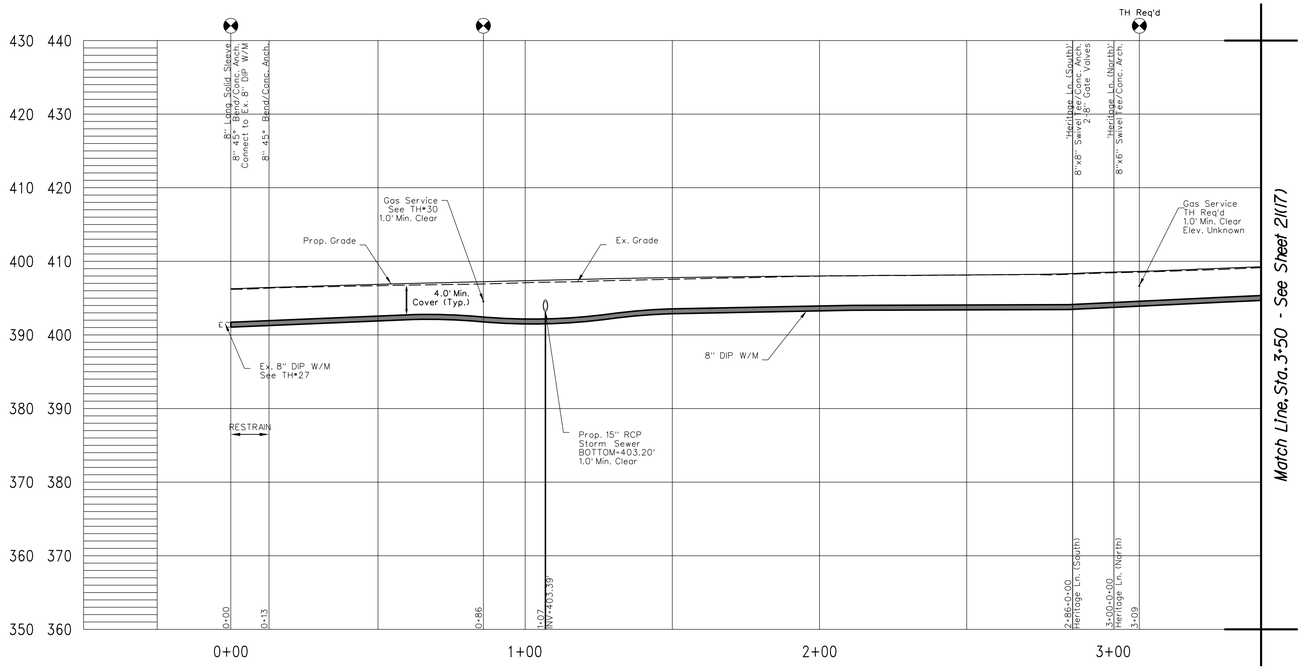
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2l(16)

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



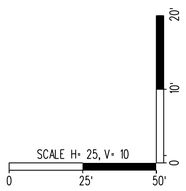
BLENHEIM BOULEVARD PROFILE "B"

Scale: 1"=25' Horz. ; 1"=10' Vert.
See Plan Sheet 21(6)



BLENHEIM BOULEVARD PROFILE "C"

Scale: 1"=25' Horz. ; 1"=10' Vert.
See Plan Sheets 21(6) & 21(7)



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend
Proposed Test Hole Location

PROJECT	SHEET NO.
U000-154-R94	2l(16)

12/12/2025

100% PLANS

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

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

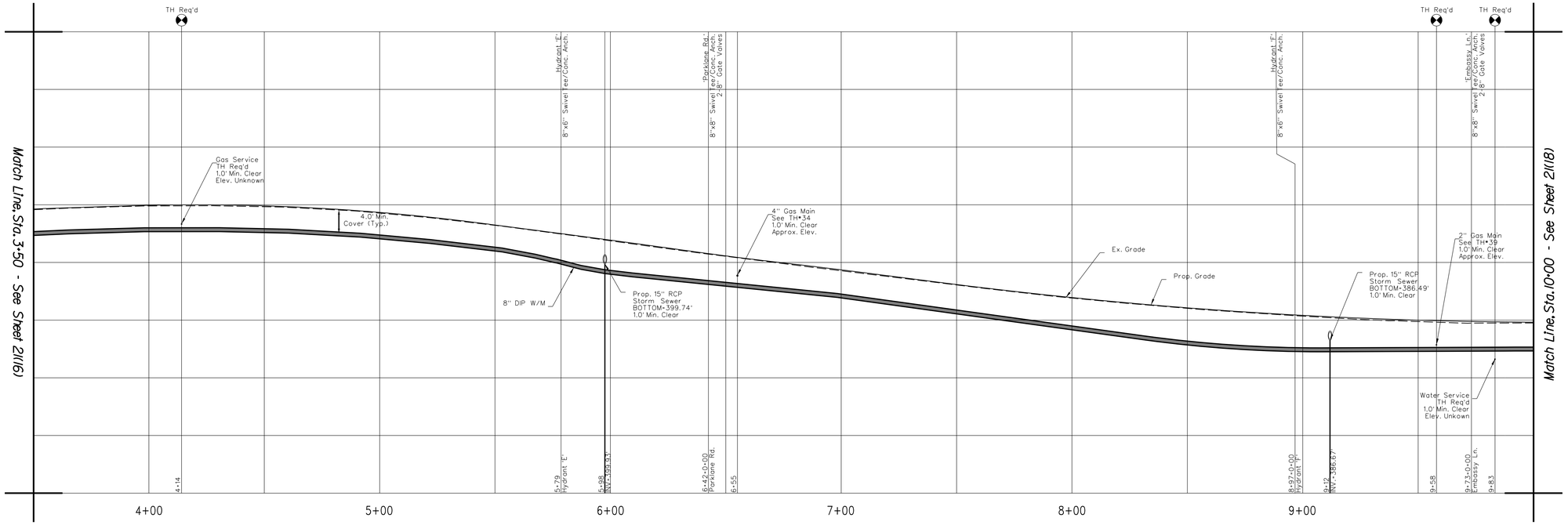
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:48:57 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

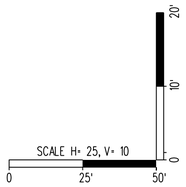
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2l(17)

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



BLENHEIM BOULEVARD PROFILE "C"

Scale: 1"=25' Horz. ; 1"=10' Vert.
See Plan Sheet 21(7)



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend
Proposed Test Hole Location

PROJECT	SHEET NO.
U000-154-R94	2l(17)

12/12/2025

100% PLANS

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

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

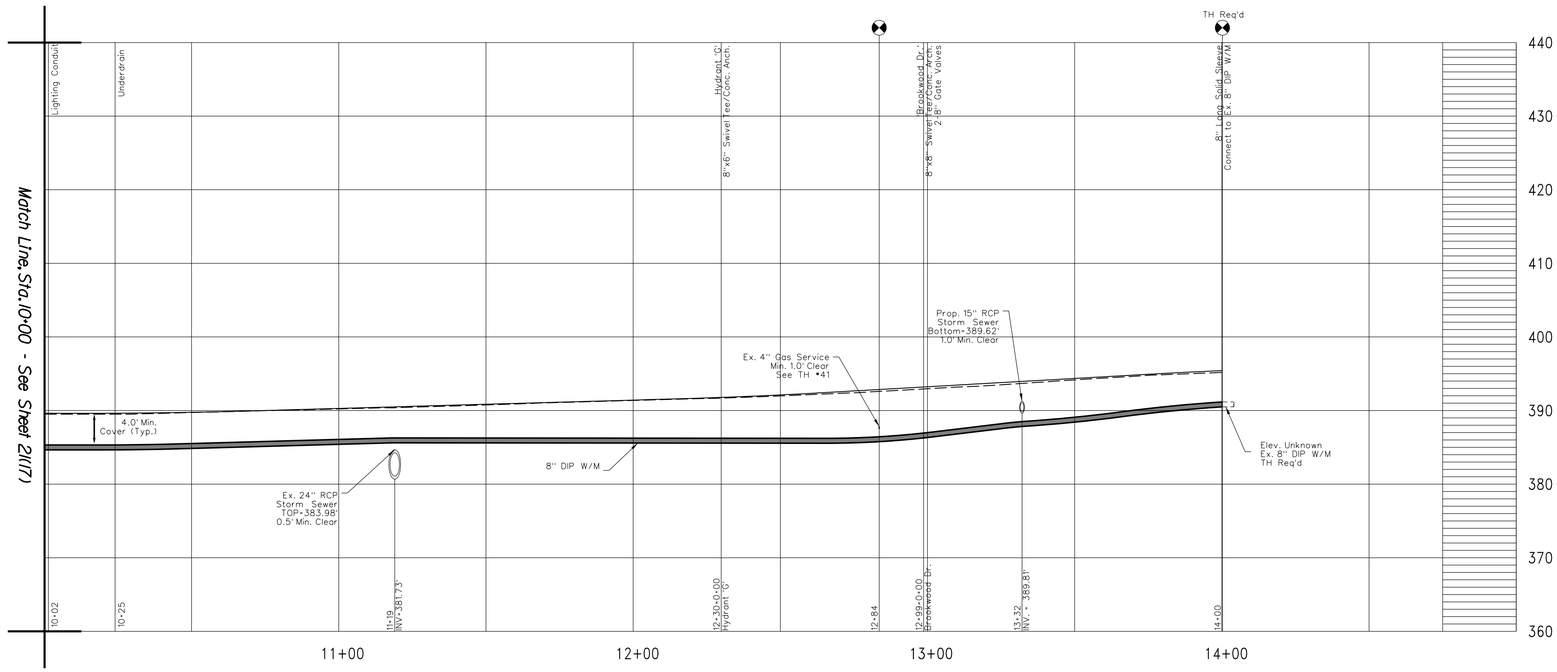
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:48:44 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

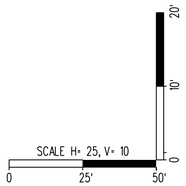
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2I(18)

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



BLENHEIM BOULEVARD PROFILE "C"

Scale: 1"=25' Horz.; 1"=10' Vert.
See Plan Sheets 2I(7) & 2I(8)



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend
Proposed Test Hole Location

PROJECT	SHEET NO.
U000-154-R94	2I(18)

12/12/2025

100% PLANS

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

PROJECT MANAGER *Wendy Block Sanford, (703) 385-7889*
SURVEYED BY, DATE *Nick Kougalis, L.S., (703) 368-7373 (2020)*
DESIGN BY *Mark A. Gunn, P.E., (703) 368-7373*
SUBSURFACE UTILITY BY, DATE *Accumark, (800) 542-2990 (2015)*

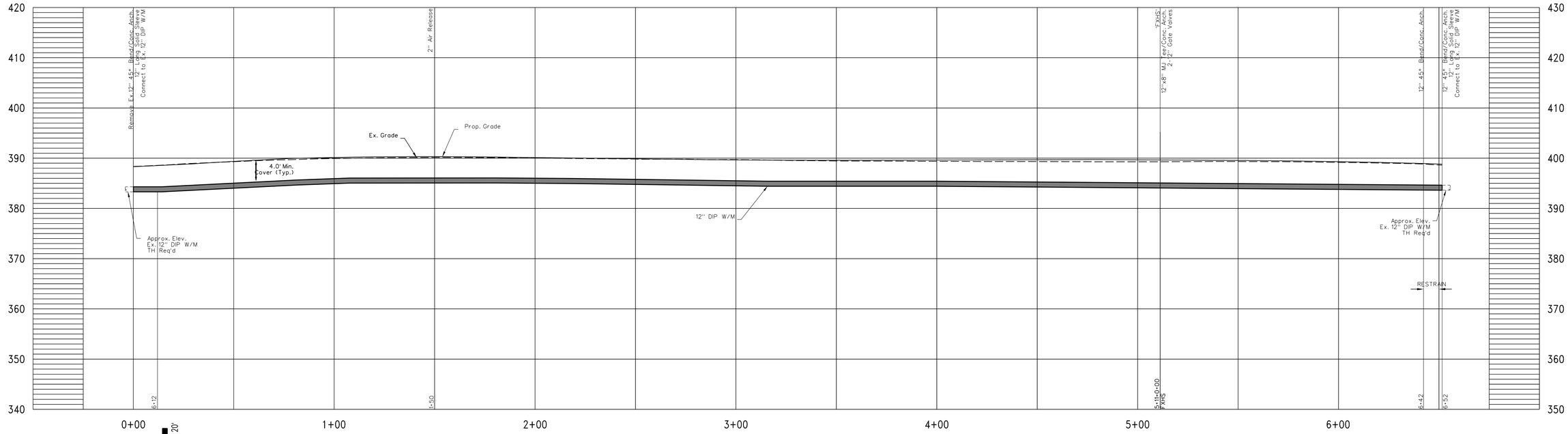
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

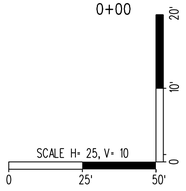
Mark Gunn
2025.12.12 11:48:32 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	21(19)

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





BLENHEIM BOULEVARD PROFILE "F"

Scale: 1"=25' Horz. ; 1"=10' Vert.
See Plan Sheet 21(10) & 21(11)

Note: Profiles "D" & "E" Not Used

100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend
Proposed Test Hole Location

PROJECT	SHEET NO.
U000-154-R94	21(19)

12/12/2025

100% PLANS

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

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

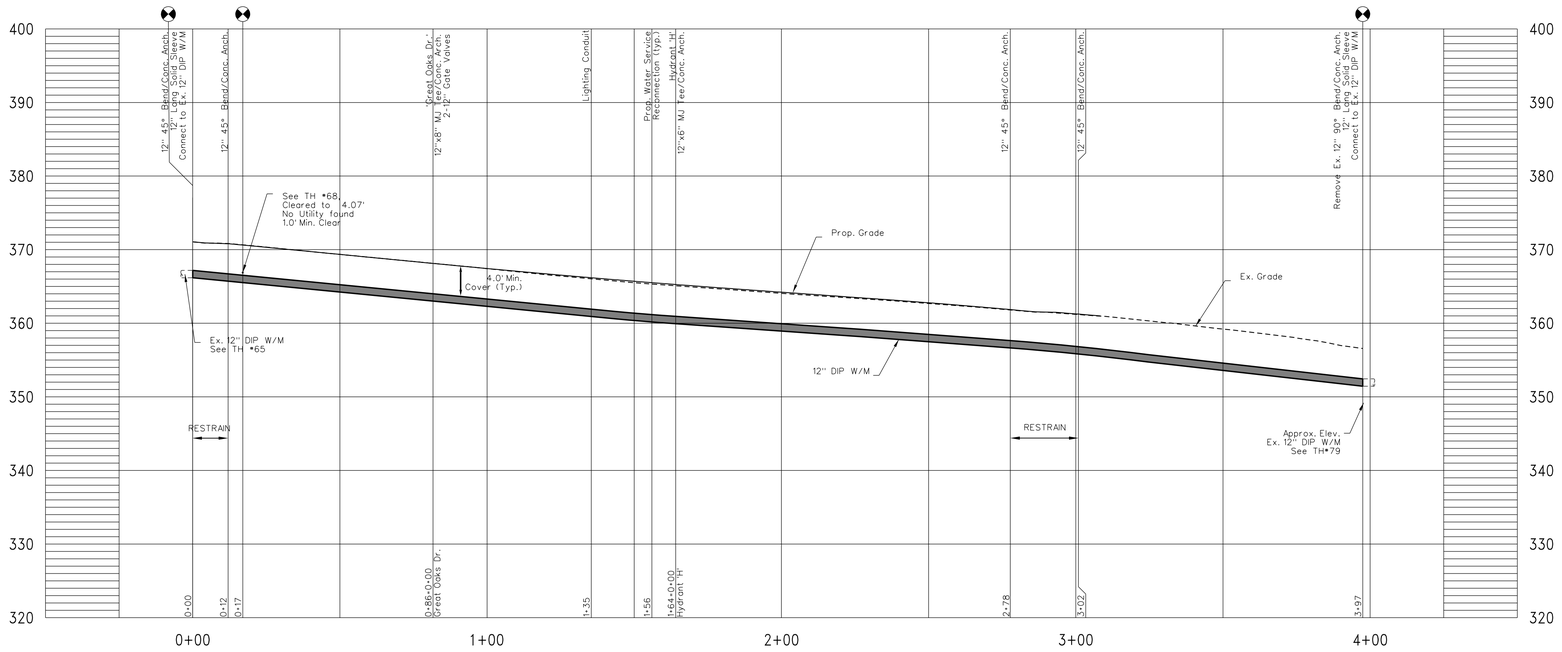
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:48:16 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	21(20)

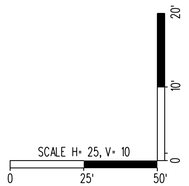
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



BLENHEIM BOULEVARD PROFILE "G"

Scale: 1"=25' Horz. ; 1"=10' Vert.
See Plan Sheet 21(12)

Note: Profiles "D" & "E" Not Used



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend
Proposed Test Hole Location

PROJECT	SHEET NO.
U000-154-R94	21(20)

12/12/2025

100% PLANS

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

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

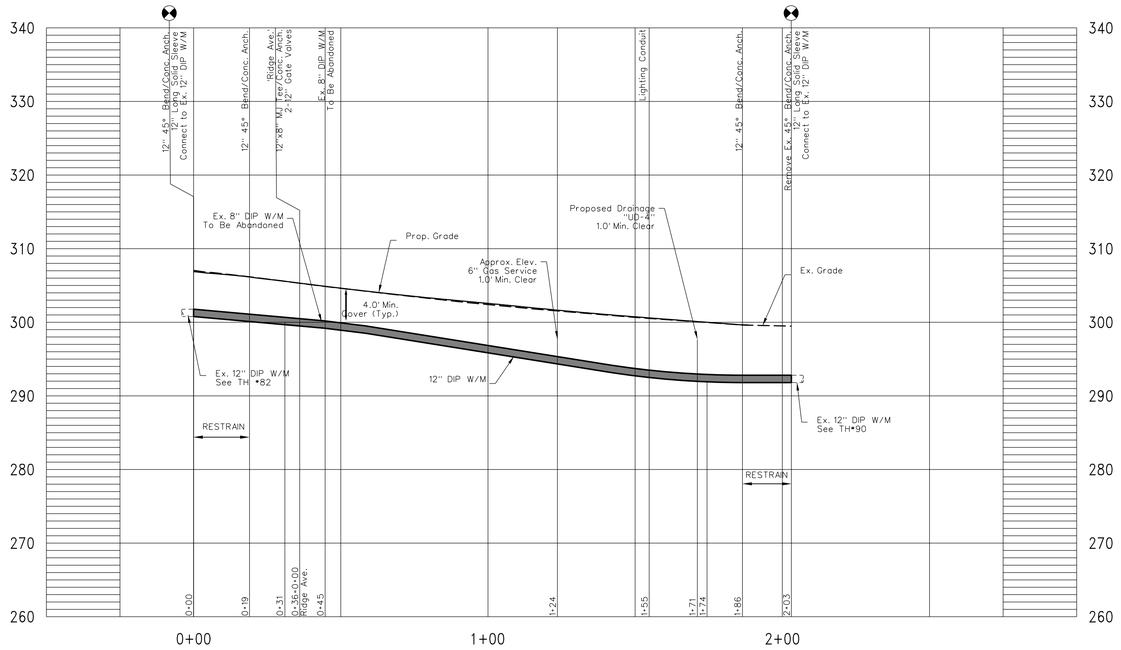
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:48:03 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2l(2l)

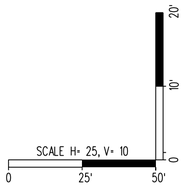
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



BLENHEIM BOULEVARD PROFILE "H"

Scale: 1"=25' Horz. ; 1"=10' Vert.
See Plan Sheet 21(14)

Note: Profiles "D" & "E" Not Used



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend
Proposed Test Hole Location

PROJECT	SHEET NO.
U000-154-R94	2l(2l)

12/12/2025

100% PLANS

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

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

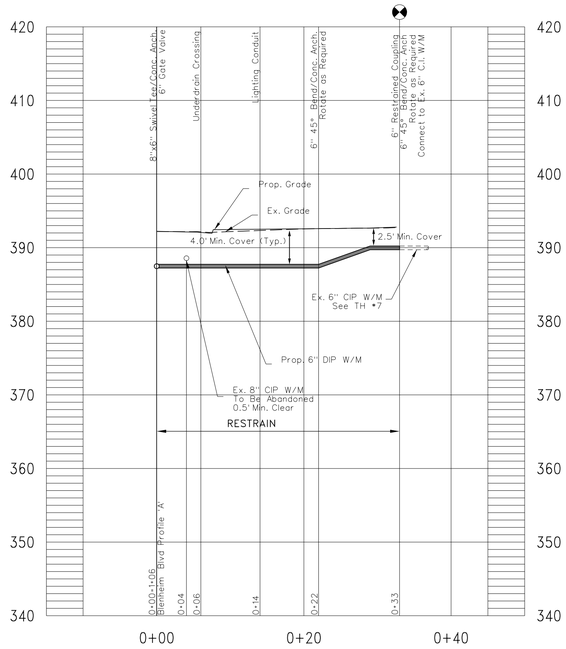
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:47:49 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

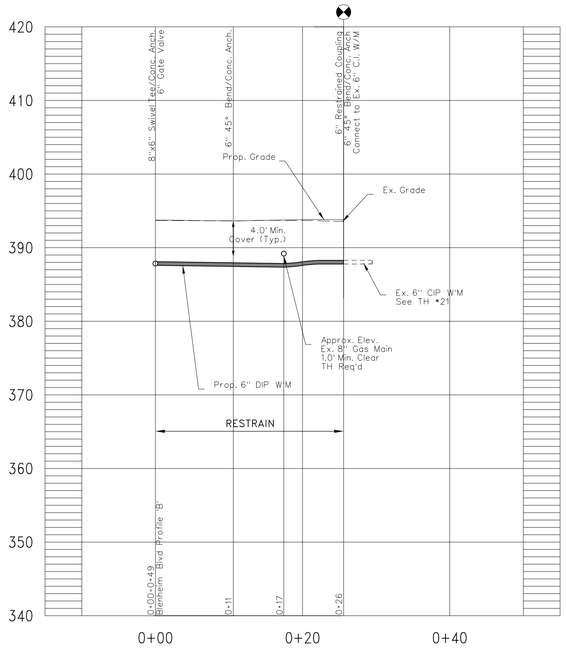
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2l(22)

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



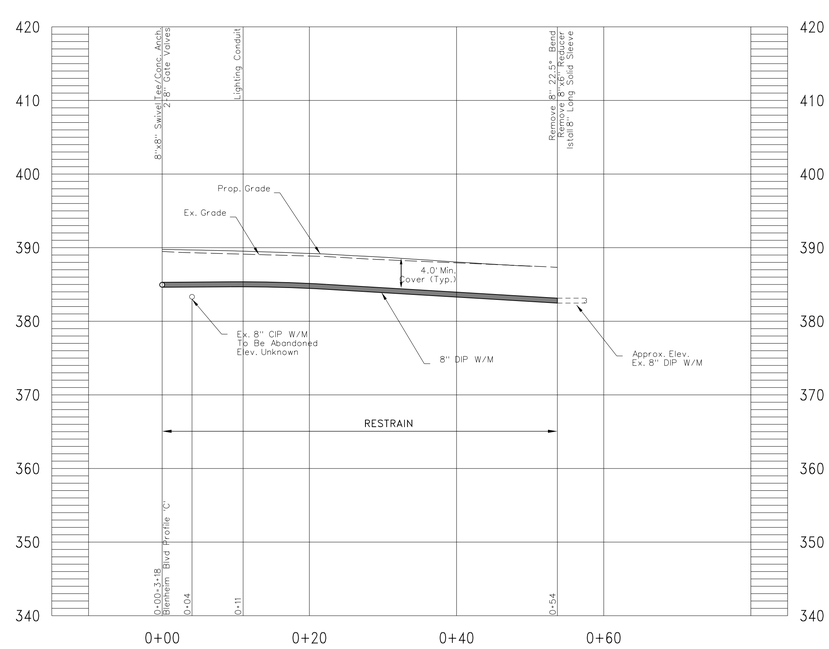
SHERWOOD COMM. CTR PROFILE

Scale: 1"=10' Horz. ; 1"=10' Vert.
See Plan Sheet 21(4)



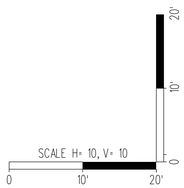
COLONY RD. PROFILE

Scale: 1"=10' Horz. ; 1"=10' Vert.
See Plan Sheet 21(6)



EMBASSY LN. PROFILE

Scale: 1"=10' Horz. ; 1"=10' Vert.
See Plan Sheet 21(7)



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend
Proposed Test Hole Location

PROJECT	SHEET NO.
U000-154-R94	2l(22)

12/12/2025

100% PLANS

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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

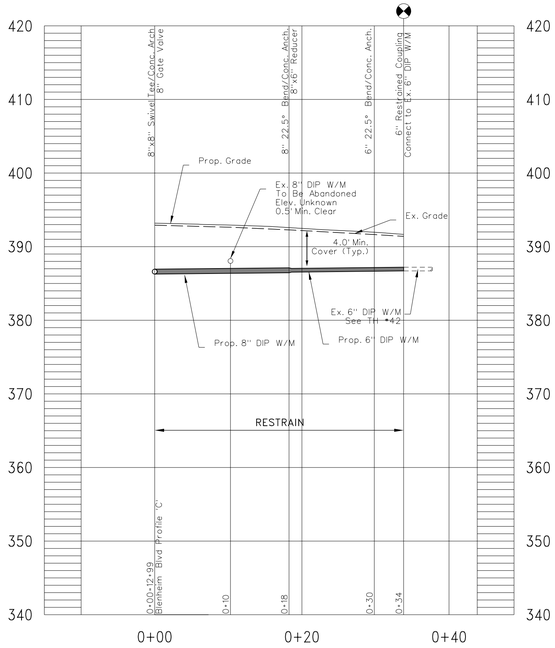
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:47:36 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

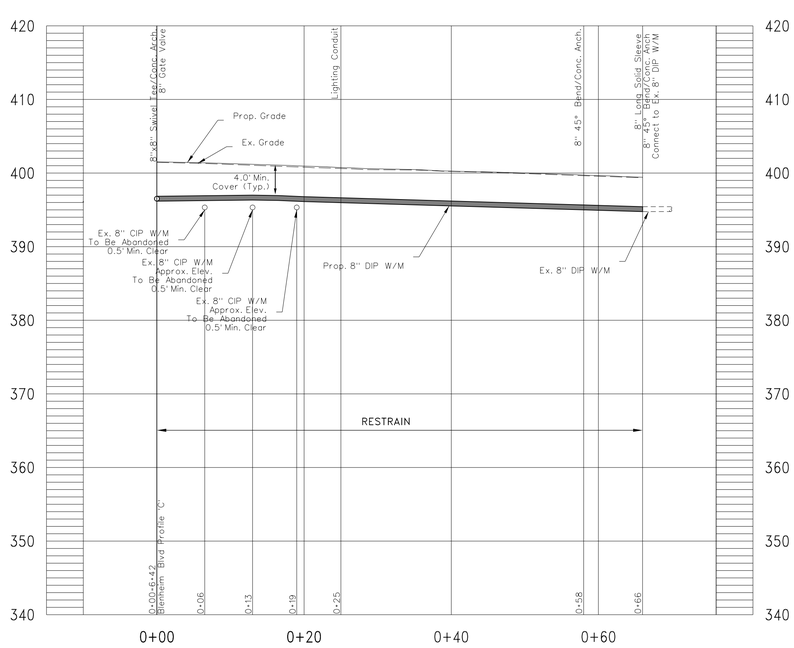
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2I(23)

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



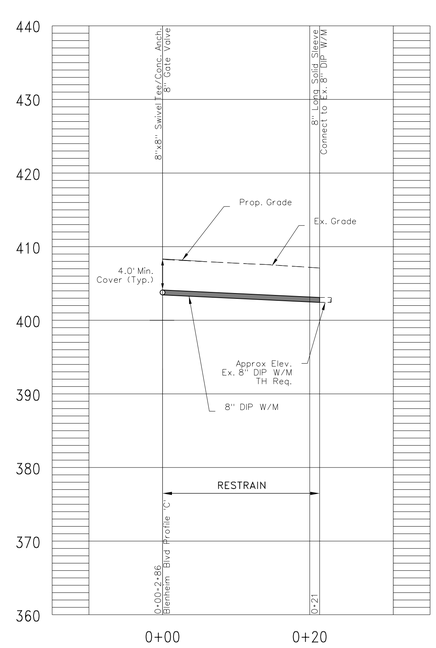
BROOKWOOD DR. PROFILE

Scale: 1"=10' Horz. ; 1"=10' Vert.
See Plan Sheet 21(8)



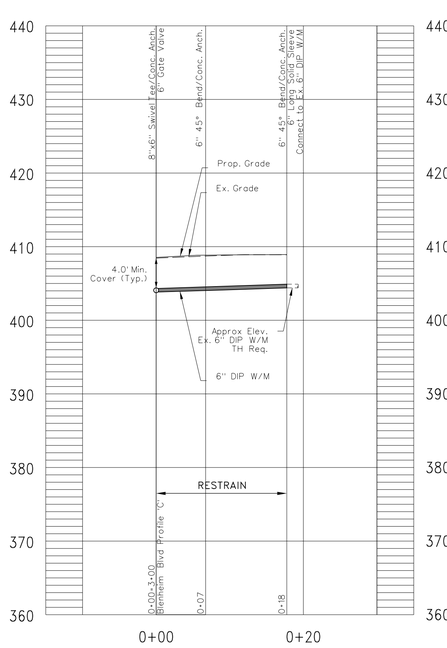
PARKLANE RD. PROFILE

Scale: 1"=10' Horz. ; 1"=10' Vert.
See Plan Sheet 21(7)



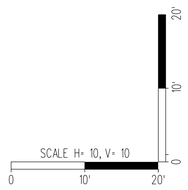
HERITAGE LANE (SOUTH)

Scale: 1"=10' Horz. ; 1"=10' Vert.
See Plan Sheet 21(7)



HERITAGE LANE (NORTH)

Scale: 1"=10' Horz. ; 1"=10' Vert.
See Plan Sheet 21(7)



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend
Proposed Test Hole Location

PROJECT	SHEET NO.
U000-154-R94	2I(23)

12/12/2025

100% PLANS

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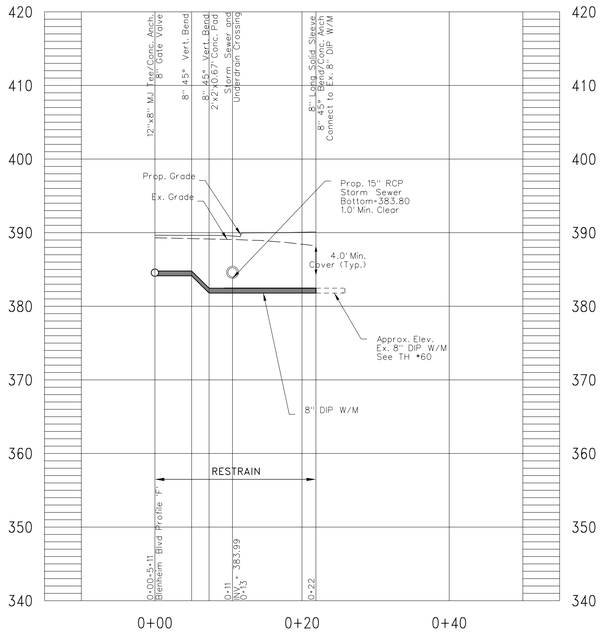
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:47:22 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

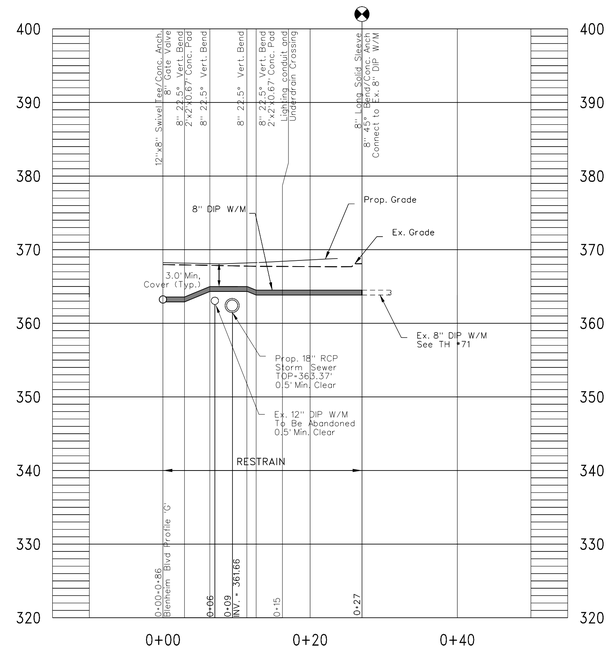
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2i(24)

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



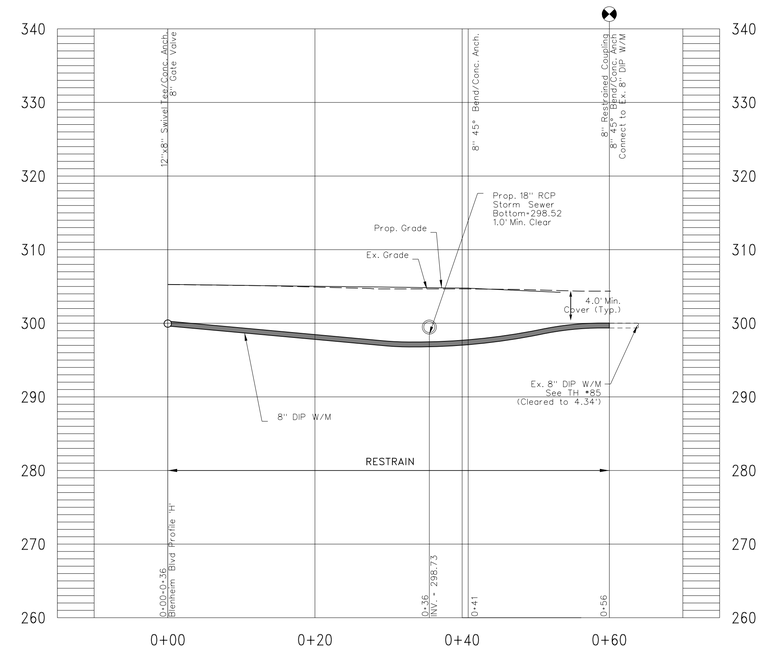
FXHS PROFILE

Scale: 1"=10' Horz. ; 1"=10' Vert.
See Plan Sheet 21(11)



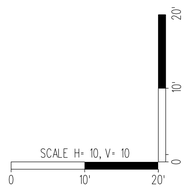
GREAT OAKS DR. PROFILE

Scale: 1"=10' Horz. ; 1"=10' Vert.
See Plan Sheet 21(12)



RIDGE AVE. PROFILE

Scale: 1"=10' Horz. ; 1"=10' Vert.
See Plan Sheet 21(14)



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend
Proposed Test Hole Location

PROJECT	SHEET NO.
U000-154-R94	2i(24)

12/12/2025

100% PLANS

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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
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SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

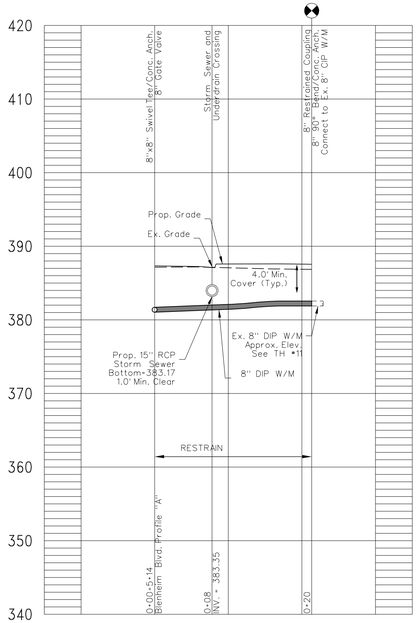
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:47:08 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

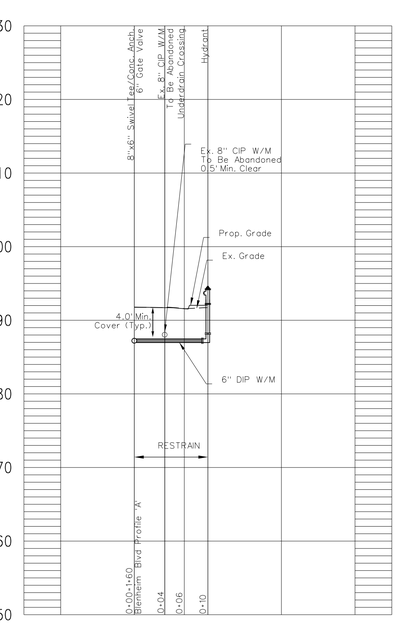
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2l(25)

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



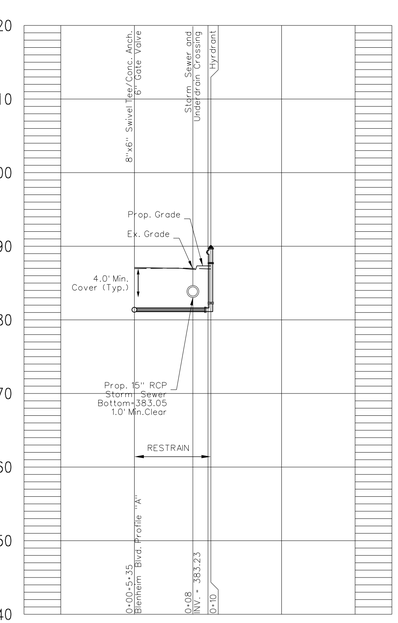
INTERCONNECTION "A" PROFILE

Scale: 1"=10' Horz. ; 1"=10' Vert.
See Plan Sheet 21(5)



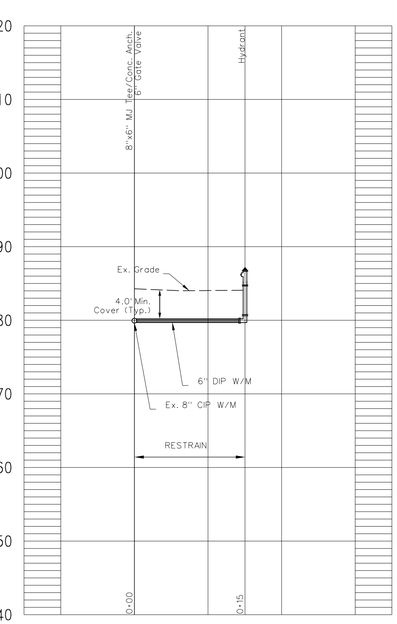
HYDRANT "A" PROFILE

Scale: 1"=10' Horz. ; 1"=10' Vert.
See Plan Sheet 21(4)



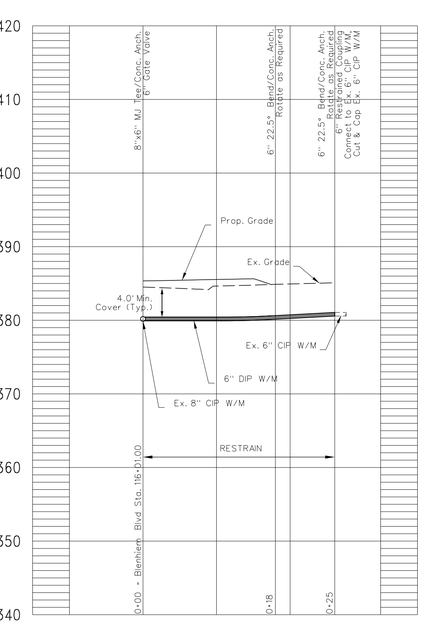
HYDRANT "B" PROFILE

Scale: 1"=10' Horz. ; 1"=10' Vert.
See Plan Sheet 21(5)



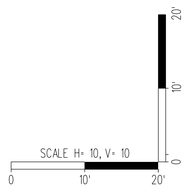
HYDRANT "C" PROFILE

Scale: 1"=10' Horz. ; 1"=10' Vert.
See Plan Sheet 21(5)



HYDRANT "D" PROFILE

Scale: 1"=10' Horz. ; 1"=10' Vert.
See Plan Sheet 21(5)



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend
Proposed Test Hole Location

PROJECT	SHEET NO.
U000-154-R94	2l(25)

12/12/2025

100% PLANS

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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

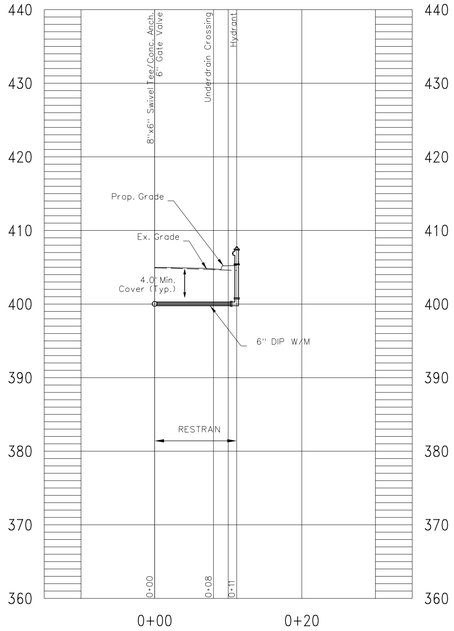
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:46:55 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

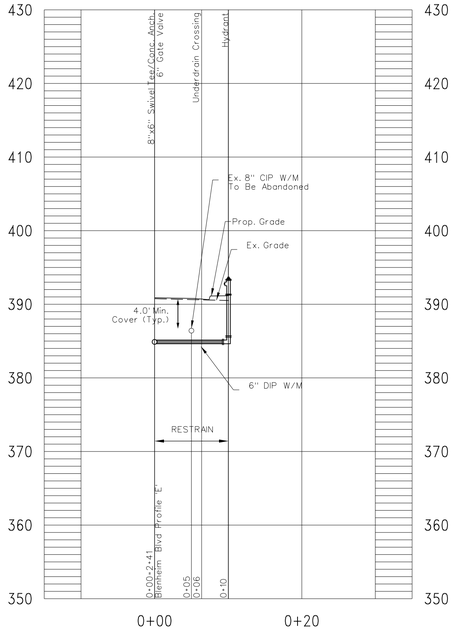
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2I(26)

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



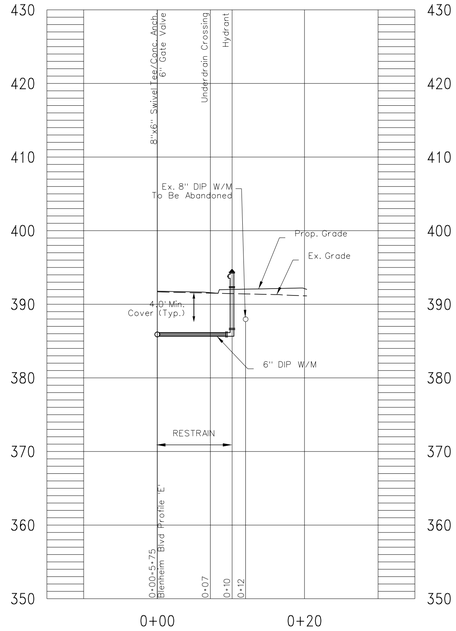
HYDRANT "E" PROFILE

Scale: 1"=10' Horz. ; 1"=10' Vert.
See Plan Sheet 21(7)



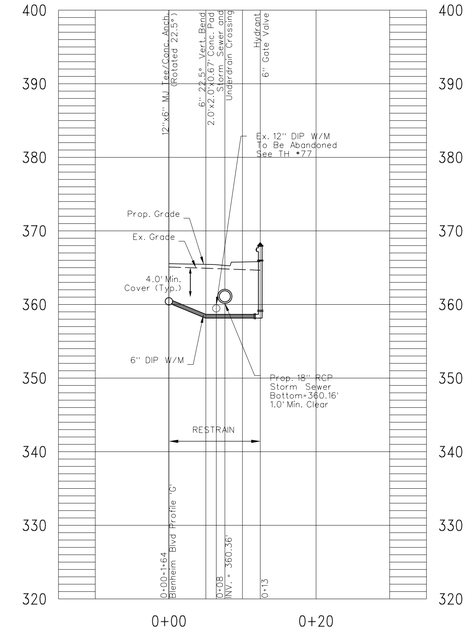
HYDRANT "F" PROFILE

Scale: 1"=10' Horz. ; 1"=10' Vert.
See Plan Sheet 21(7)



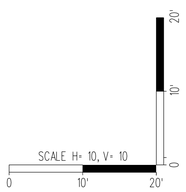
HYDRANT "G" PROFILE

Scale: 1"=10' Horz. ; 1"=10' Vert.
See Plan Sheet 21(8)



HYDRANT "H" PROFILE

Scale: 1"=10' Horz. ; 1"=10' Vert.
See Plan Sheet 21(12)



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend
Proposed Test Hole Location

PROJECT	SHEET NO.
U000-154-R94	2I(26)

12/12/2025

100% PLANS

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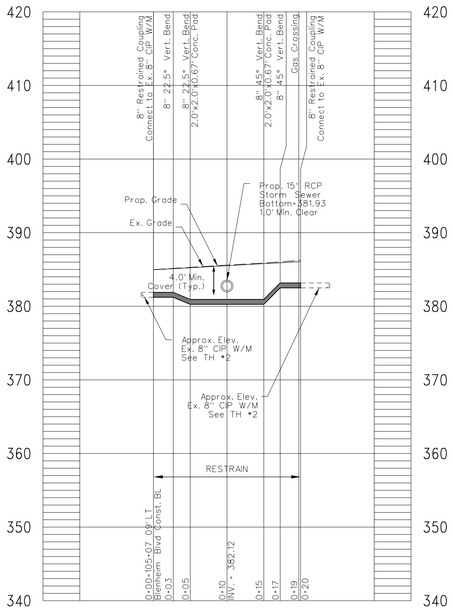
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:46:41 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

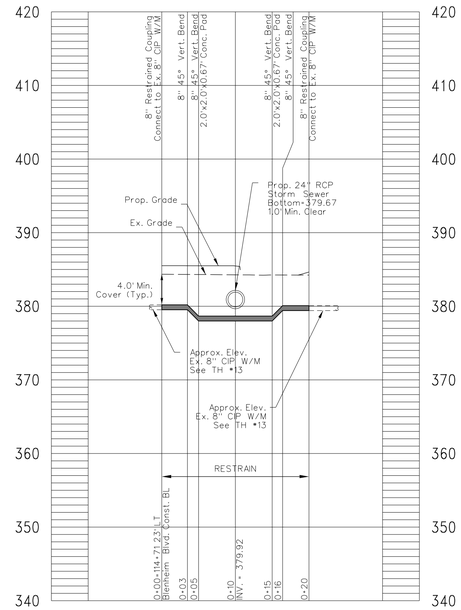
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2l(27)

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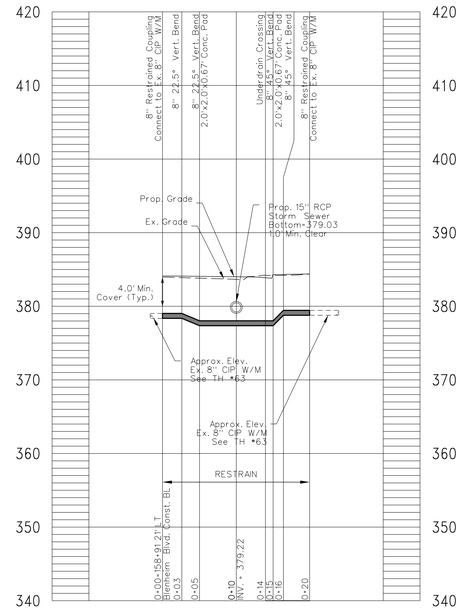
OFFSET "A" PROFILE

Scale: 1"=10' Horz. : 1"=10' Vert.
See Plan Sheet 2l(4)



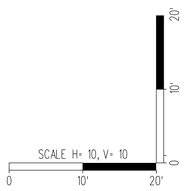
OFFSET "B" PROFILE

Scale: 1"=10' Horz. : 1"=10' Vert.
See Plan Sheet 2l(5)



OFFSET "C" PROFILE

Scale: 1"=10' Horz. : 1"=10' Vert.
See Plan Sheet 2l(11)



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend
Proposed Test Hole Location

PROJECT	SHEET NO.
U000-154-R94	2l(27)

12/12/2025

100% PLANS

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COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

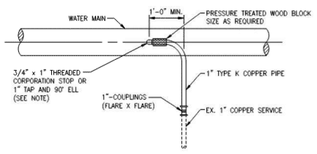
Mark Gunn
2025.12.12 11:46:27 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2I(28)

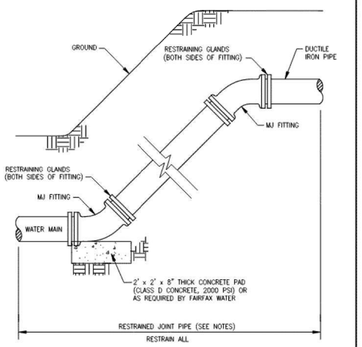
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

NOTE : CONTRACTOR REQUIRED TO USE LATEST FAIRFAX WATER DETAILS



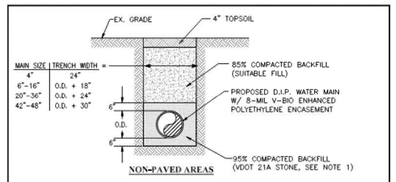
NOTE:
COAT WITH PETROLATUM TAPE PER SECTION 13110 CATHODIC PROTECTION

FAIRFAX WATER STANDARD DETAILS	SCALE: NOT TO SCALE
1" SERVICE RECONNECTION	DETAIL NO.: 3
DATE: 2/2024	



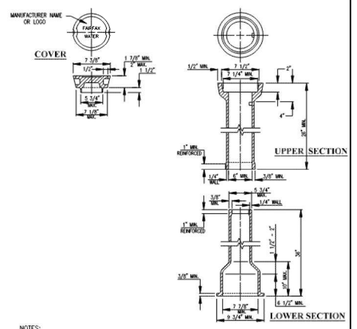
NOTES:
1. RESTRAIN MINIMUM 3 FULL JOINTS OF PIPE BEFORE AND AFTER FITTING FOR 8" DIAMETER WATER MAIN OR SMALLER, 4 FULL JOINTS OF PIPE FOR 12" DIAMETER WATER MAIN, OR AS REQUIRED BY FAIRFAX WATER. IF SUFFICIENT PIPE JOINT RESTRAIN CANNOT BE ACHIEVED, THRUST COLLAR SHALL BE USED.
2. OFFSET BENDS REQUIRE SIMILAR BLOCKING AND PIPE RESTRAINT.

FAIRFAX WATER STANDARD DETAILS	SCALE: NOT TO SCALE
CONCRETE VERTICAL BLOCKING WATER MAINS LESS THAN OR EQUAL TO 12"	DETAIL NO.: 23
DATE: 2/2024	



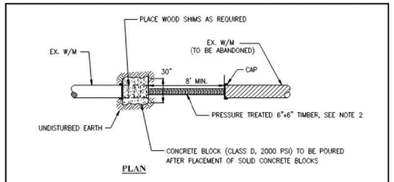
NOTES:
1. VDOT NO. 57 STONE SHALL BE USED AT CREEK CROSSINGS OR IN AREAS WHERE TRENCH CONTAINS GROUND WATER.
2. ALL PAVEMENT RESTORATION AND COMPACTED BACKFILL WITHIN VDOT RIGHT-OF-WAY SHALL ADHERE TO ALL APPLICABLE VDOT SPECIFICATIONS.
3. RESTRAINED JOINT PIPE SHALL BE IDENTIFIED WITH MARKING TAPE PLACED 2 FEET ABOVE PIPE.
4. ALL WATER MAIN INSTALLATION IN AREAS WITH PROPOSED PAVING SHALL ADHERE TO APPROVED DEVELOPMENT PLAN.

FAIRFAX WATER STANDARD DETAILS	SCALE: NOT TO SCALE
TRENCH - DUCTILE IRON PIPE	DETAIL NO.: 12
DATE: 2/2024	



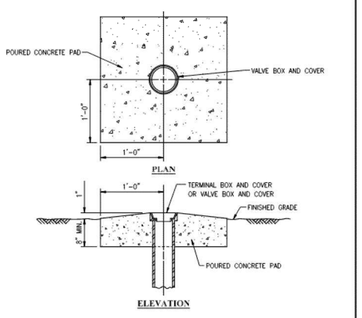
NOTES:
1. THE MANUFACTURER IDENTIFICATION AND COUNTRY OF ORIGIN (IF OTHER THAN U.S.) SHALL BE CAST INTO ALL PARTS.
2. GUARD POSTS ARE NOT TO BE INSTALLED AT VALVES UNLESS INDICATED ON DRAWINGS, OR AS SPECIFIED BY FAIRFAX WATER.
3. VALVE BOX MUST MEET SPECIFICATIONS CONTAINED IN FAIRFAX WATER'S APPROVED PRODUCTS LIST.
4. FOR VALVE BOXES DEEPER THAN SIX FEET, USE 5-INCH DIAMETER GRAY CAST IRON (SOIL) PIPE TO EXTEND STANDARD TOP AND BOTTOM SECTIONS.
5. STACKING OF VALVE BOX SECTIONS IS NOT ACCEPTABLE.
6. VALVE BOXES LOCATED OUTSIDE OF PAVED AREAS MUST BE INSTALLED IN 2' x 2' x 8" CONCRETE PADS, UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS OR BY FAIRFAX WATER.

FAIRFAX WATER STANDARD DETAILS	SCALE: NOT TO SCALE
VALVE BOX	DETAIL NO.: 26
DATE: 2/2024	



NOTES:
1. TO BE USED WHEN WATER MAIN IS REQUIRED FOR IMMEDIATE SERVICE.
2. FOR PIPE 12" AND LARGER, TWO 6"X6" PRESSURE TREATED TIMBERS SHALL BE USED (USE WEDGES AS NECESSARY).
3. SOLID CONCRETE BLOCKING WILL BE PERMITTED IN LIEU OF TIMBER.

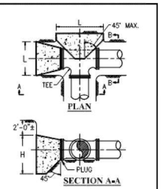
FAIRFAX WATER STANDARD DETAILS	SCALE: NOT TO SCALE
CUT AND CAP	DETAIL NO.: 21
DATE: 2/2024	



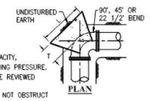
NOTES:
1. CONCRETE PADS FOR WATER MAIN VALVE AND TERMINAL BOX ARE TO BE INSTALLED USING REQUIREMENTS FOR CLASS D CONCRETE (2000 PSI).
2. PADS TO BE FORMED AND PROPERLY FINISHED.
3. VALVE BOX CONCRETE PAD TO BE INSTALLED ON ALL VALVES IN NON-PAVED AREAS OR AS DIRECTED BY FAIRFAX WATER.
4. GUARD POSTS ARE NOT TO BE INSTALLED AT VALVES UNLESS INDICATED ON DRAWINGS, OR AS SPECIFIED BY FAIRFAX WATER.

FAIRFAX WATER STANDARD DETAILS	SCALE: NOT TO SCALE
VALVE BOX CONCRETE PAD	DETAIL NO.: 27
DATE: 2/2024	

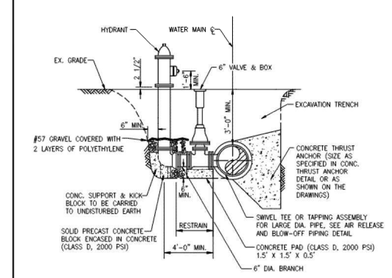
PIPE SIZE INCHES	DEGREE OF BEND (ϕ)	(1) TEST PRESSURE 175 PSI H	V
6	90	3.0	2.0	1.25
	45	2.0	1.5	1.0
	22.5	1.5	1.0	1.0
8	90	4.0	2.5	1.75
	45	2.5	2.0	1.0
	22.5	2.0	1.5	1.0
12	90	5.5	4.0	2.25
	45	4.0	3.0	1.5
	22.5	3.0	2.0	1.0
16	90	7.5	5.0	3.25
	45	5.0	4.5	2.0
	11.25/22.5	4.0	3.0	1.5
20	90	9.5	6.0	4.0
	45	7.0	4.5	2.75
	11.25/22.5	5.5	3.0	2.0
24	90	13.0	6.5	5.5
	45	9.0	5.0	3.5
	11.25/22.5	6.0	4.0	2.0



NOTES:
1. MINIMUM CONCRETE ANCHOR BLOCK DIMENSIONS IN FEET.
2. PROVIDE FORM WORK FOR ALL CONCRETE.
3. CONCRETE SHALL BE CLASS D 2000 PSI.
4. THE ABOVE TABLE IS BASED ON 2000 PSF SOIL BEARING CAPACITY, R=2PA SIN (ϕ/2) AND FOR A TEST PRESSURE = 1.5 x WORKING PRESSURE.
5. ANCHOR BLOCK DESIGN FOR PIPE LARGER THAN 24" SHALL BE REVIEWED ON AN INDIVIDUAL BASIS BY FAIRFAX WATER.
6. WRAP FITTING WITH POLYETHYLENE SHEETING. CONCRETE MUST NOT OBSTRUCT ACCESS TO MECHANICAL JOINT ASSEMBLY.
7. CONCRETE ANCHOR BLOCK DIMENSIONS FOR TEES TO BE SAME AS FOR 90° BENDS, AND BASED ON THE SIZE OF THE BRANCH PIPING.
8. HEIGHT OF CONCRETE ANCHOR BLOCK ABOVE PIPE CENTERLINE IS 1/3 THE H DIMENSION.
9. BLOCKING SHALL BACK TO UNDISTURBED EARTH.

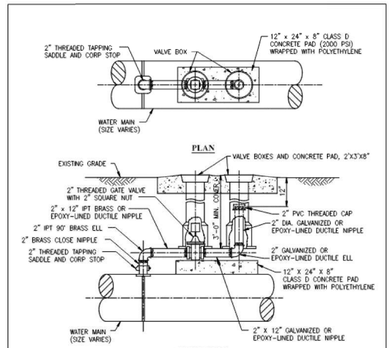


FAIRFAX WATER STANDARD DETAILS	SCALE: NOT TO SCALE
CONCRETE THRUST ANCHORS	DETAIL NO.: 22
DATE: 2/2024	



NOTES:
1. FOR HYDRANT LOCATION IN REGARD TO FACE OF CURB, SEE FAIRFAX COUNTY PUBLIC FACILITIES MANUAL.
2. IF SWIVEL TEE IS NOT USED, VALVE MUST BE RESTRAINED TO TEE WITH RESTRAINING GLANDS BY CONTRACTOR.
3. HYDRANTS SHALL HAVE SHOP-APPLIED COATINGS AS FOLLOWS:
   - HYDRANT BARREL: KENNEDY SAFETY RED OR MUELLER RED #10
   - TOPS AND CAPS: KENNEDY SILVER OR MUELLER SILVER #18
4. POLYETHYLENE ENCASEMENT TO BE INSTALLED UP TO THE BASE (BOOT) OF THE HYDRANT AND SHALL NOT TO PREVENT DISCHARGE OF WATER THROUGH HYDRANT DRAIN HOLES.
5. PROVIDE ADEQUATE CLEARANCE FROM EXISTING GRADE TO ACCESS FLANGE BOLTS.
6. THE DRAIN HOLE SHALL BE PLUGGED WHEN HYDRANT IS INSTALLED IN AN AREA SUBJECT TO HIGH GROUND WATER LEVELS, FLOODING, CONTAMINANT OR POLLUTION SPILLS, OR SURFACE WATER PONDING AS IDENTIFIED BY ENGINEER OR AS CALLED OUT ON THE PLANS.

FAIRFAX WATER STANDARD DETAILS	SCALE: NOT TO SCALE
STANDARD HYDRANT INSTALLATION	DETAIL NO.: 29
DATE: 2/2024	



NOTES:
1. THREADED SADDLE TO BE USED ON 24" & LARGER WATER MAINS.

FAIRFAX WATER STANDARD DETAILS	SCALE: NOT TO SCALE
2" AIR RELEASE	DETAIL NO.: 34
DATE: 2/2024	

100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION I

Legend

Exist. Water Main	W
Exist. Water Abandon	W
Prop. Water Main	W
Prop. Hydrant	
Prop. Valve	
Prop. Meter	M

SCALE: 0 25' 50'

PROJECT	SHEET NO.
U000-154-R94	2I(28)

12/12/2025

100% PLANS

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

PROJECT MANAGER *Wendy Block Sanford, (703) 385-7889*
SURVEYED BY, DATE *Nick Kougalis, L.S., (703) 368-7373 (2020)*
DESIGN BY *Mark A. Gunn, P.E., (703) 368-7373*
SUBSURFACE UTILITY BY, DATE *Accumark, (800) 542-2990 (2015)*

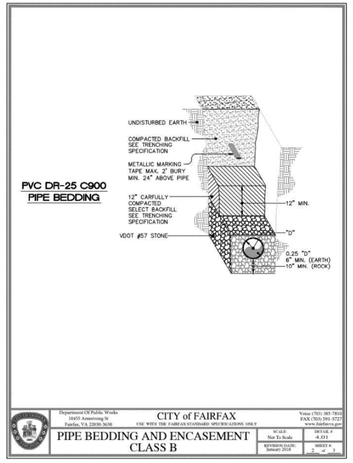
DEPARTMENT OF PUBLIC WORKS SANITARY SEWER STANDARD NOTES

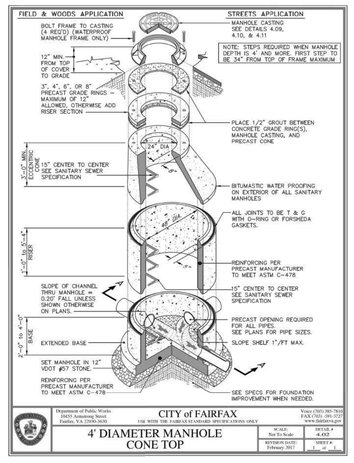
GENERAL

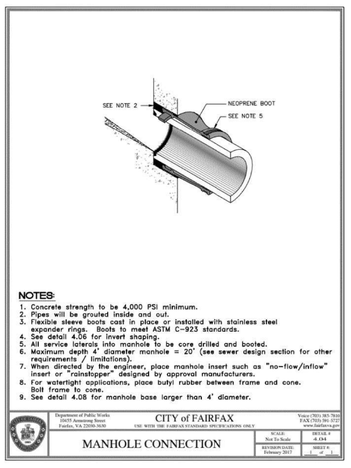
1. All sanitary sewers shall be constructed in accordance with the current City of Fairfax Standards and specifications.
2. Easements for all sanitary shall be 10' unless otherwise noted.
3. Sanitary sewers and water mains shall maintain a minimum of 15' horizonal separation from proposed or existing buildings.
4. No landscaping or other utilities (i.e. gas, phone, cable, etc.) are permitted in the sewer easements, except all crossings.
5. Contractor shall request pre-construction meeting and inspection by the Department of Public Work (703-385-7810) three days prior to commencing construction of any sewer mains.
6. A permit for installation of sanitary sewers and fire hyrdants shall be obtained from the Department of Public Works.
7. Sewer laterals not within an easement require plumbing permits and inspections from the Office of Code Administration. The inclusion of these items does not constitute a permit.

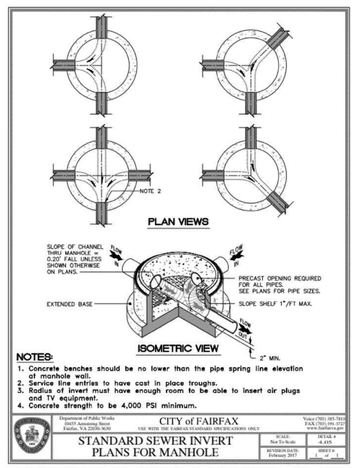
SANITARY SEWER

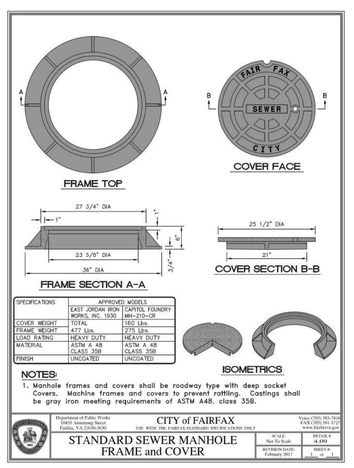
1. Sanitary sewers shall be PVC DR-25 per AWWA C-900, unless otherwise noted.
2. Sanitary sewer laterals shall be 4" PVC DR-25 between the main and the property line and shall enter the main at 90 degrees. A cleanout shall be installed at the property line.
3. For the lateral tie in at Manhole 1, coordination will need to occur between the contractor and property owner to determine when work needs to be done.
4. A 2" detectable metal marking tape shall be placed 3-feet above all sanitary sewers.
5. The Department of Public Works shall inspect sanitary sewers by a camera after the lines are put in service.
6. Finish grade shall drain away from manholes located outside pavement areas.
7. Top of manholes located outside of pavement areas shall be 3" above final grade, except in established lawns where it shall match the final grade.
8. Manholes shall have bituminous coating on the outside walls.
9. All sanitary manhole lids shall be heavy duty and shall have the words "Fairfax City Sewer" cast on them.
10. Drop manholes shall have an 8" inside drop pipe.
11. Manholes in 100 yr. flood plain shall have watertight lids.
12. All testing is provided by the contractor, as directed by the city inspector.











MARK A. GUNN
Lic. No. 038323
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:46:12 -05'00'
Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	22(2)

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

Existing Sanitary Sewer Descriptions:

SSMH1048 (A) In Pl. San. MH
Top= 373.40
Inv. In= 357.04 (From B)
Inv. In= 356.59 (From 24")
Inv. Out= 356.52

SSMH1047 (B) In Pl. San. MH
Top= 373.09
Inv. In= 364.45
Inv. Out= 364.26

SSMH1053 (C) In Pl. San. MH
Top= 372.14
Inv. In= 368.41
Inv. Out= 368.36

SSMH1052 (D) In Pl. San. MH
Top= 374.41
Inv. In= 368.35 (From E)
Inv. In= 368.23 (From 8")
Inv. Out= 367.88

SSMH0135 (E) In Pl. San. MH
Top= 381.73
Inv. In= 377.41 (From F)
Inv. In= 377.43 (From G)
Inv. Out= 377.34

SSMH0136 (F) In Pl. San. MH
Top= 388.20
Inv. In= 383.16
Inv. Out= 382.87

SSMH1034 (G) In Pl. San. MH
Top= 382.80
Inv. In= 377.79
Inv. Out= 377.54

SSMH0710 (H) In Pl. San. MH
Top= 388.03
Inv. In= 381.48
Inv. Out= 381.24

SSMH1879 (I) In Pl. San. MH
Top= 396.23
Inv. In= 390.09
Inv. Out= 390.00

SSMH0145 (J) In Pl. San. MH
Top= 307.66
Inv. In= 297.74
Inv. Out= 297.47

SSMH1037 (AA) In Pl. San. MH
Top= 392.81
Inv. In= 382.57
Inv. Out= 382.25

SSMH1033 (BB) In Pl. San. MH
Top= 394.50
Inv. In (6" Lat.)= 387.78
Inv In (8" PVC)= 387.41
Inv. Out= 387.10

SSMH0146 (K) In Pl. San. MH
Top= 308.01
Inv. In= 300.04 (From N)
Inv. In= 300.29 (From L)
Inv. Out= 299.26

SSMH1459 (L) In Pl. San. MH
Top= 323.73
Inv. In= 316.62
Inv. Out= 316.55

SSMH1479 (M) In Pl. San. MH
Top= 343.15
Inv. Out=335.70

SSMH2990 (N) In Pl. San. MH
Top= 307.55
Inv. In= 300.81
Inv. Out= 300.68

SSMH0147 (O) In Pl. San. MH
Top= 297.65
Inv. In= 279.62
Inv. Out= 279.58

SSMH0148 (P) In Pl. San. MH
Top= 295.90
Inv. In= 280.64 (From Q)
Inv. In= 279.83 (?")
Inv. Out= 279.78

SSMG0068 (Q) In Pl. San. MH
Top= 295.92
Inv. In= 281.11 (From S)
Inv. In= 281.63 (From R)
Inv. In= 281.96 (From 6" Lat.)
Inv. In= 281.43 (From 10")
Inv. Out= 280.99

SSMH0067 (R) In Pl. San. MH
Top= 297.20
Inv. In= 285.09
Inv. Out= 285.04

(S) In Pl. San. MH
Top= 297.27
Inv. In= *No Info Rec.
Inv. Out= *No Info Rec.

SSMH2238 (C1) In Pl. San. MH
Top= 377.73
Inv. In= 369.57
Inv. Out= 369.01

SSMH2226 (C2) In Pl. San. MH
Top= 385.29
Inv. In= 377.54
Inv. Out= 377.42

SSMH0144 (CC) In Pl. San. MH
Top= 299.95
Inv. In= 288.58 (From SW)
Inv In= 288.81 (From J)
Inv. Out= 288.37 (To O Per GIS)

SANITARY SEWER NOTES & DETAILS

12/12/2025

PROJECT	SHEET NO.
U000-154-R94	22(2)

100% PLANS

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

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SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

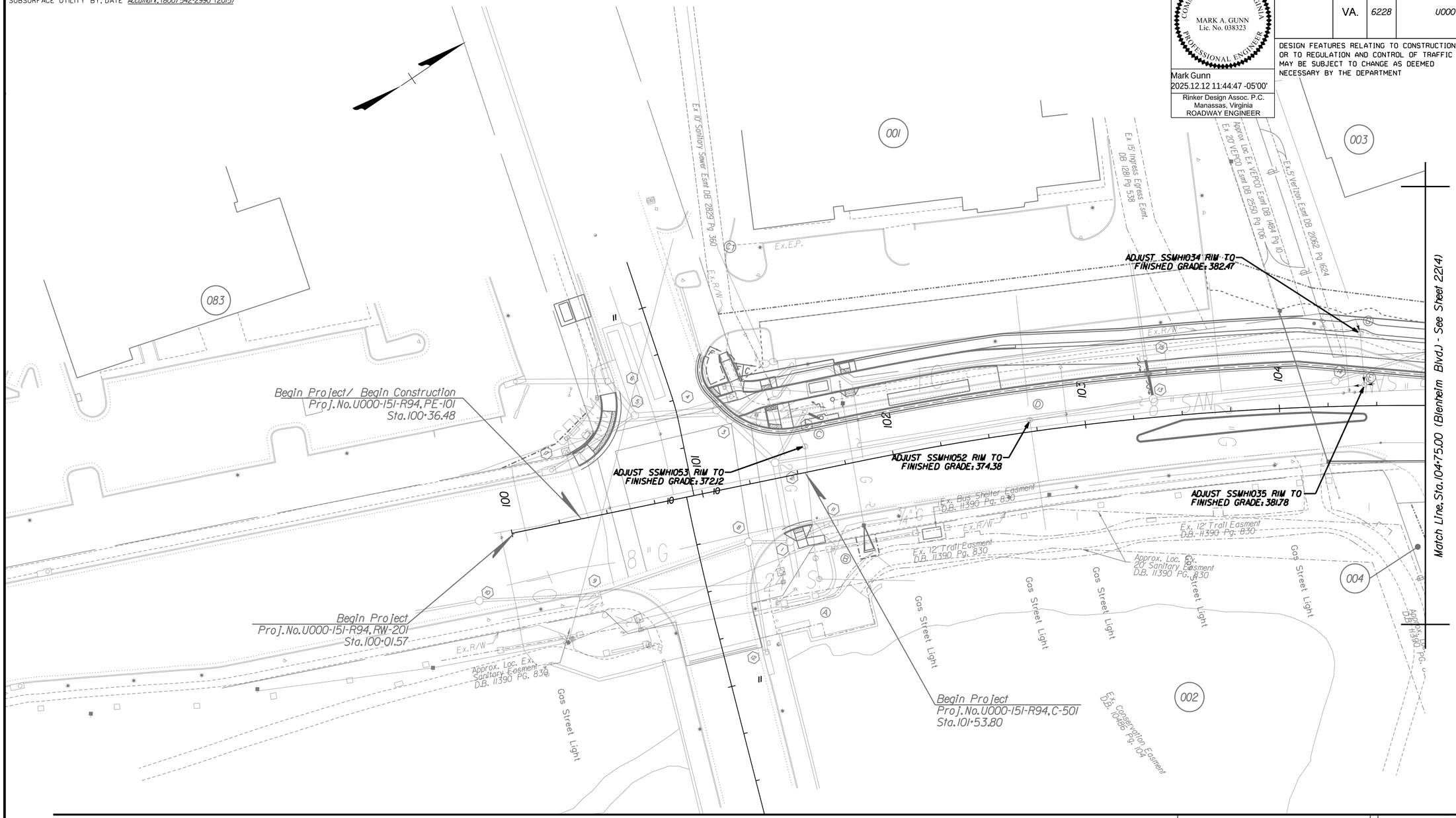
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:44:47 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	22(3)

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



SANITARY SEWER PLANS

Legend

- Exist. Sanitary Main
- Exist. San Abandon
- Prop. Sanitary Main
- Prop. Manhole
- Exist. Right of Way
- Prop. Utility Easement

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

Survey Control Data Sheet	1F
Geometric Data Sheet	1G(3)
Horizontal Constr. Alignment Data	1G(1A) - 1G(1E)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	3A
Profile Layton Hall Dr. & Farrcroft Dr.	3B

SCALE 0 25' 50' | PROJECT U000-154-R94 | SHEET NO. 22(3)

12/12/2025

100% PLANS

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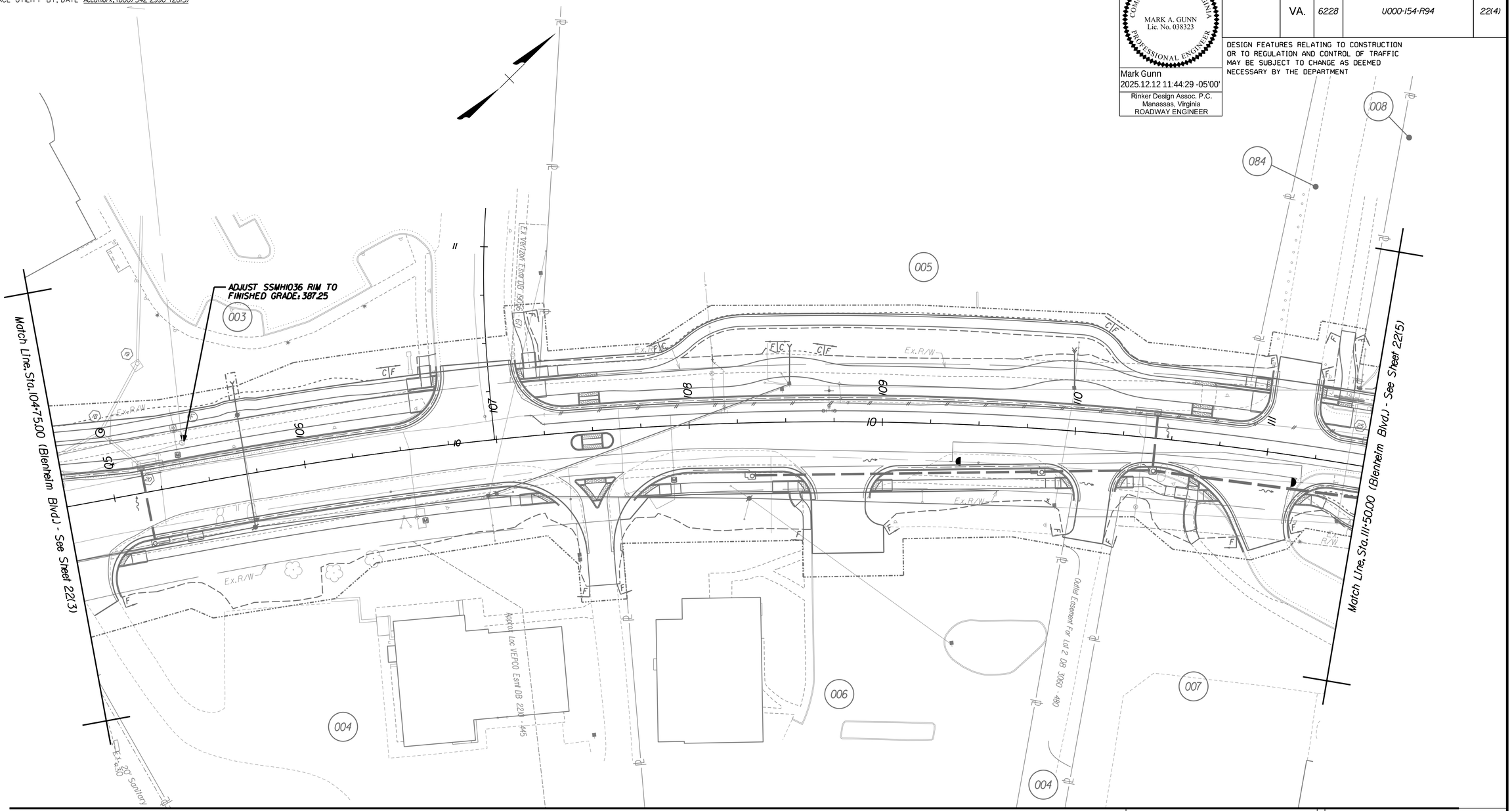
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:44:29 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	22(4)

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



SANITARY SEWER PLANS

Legend

- Exist. Sanitary Main
- Exist. San Abandon
- Prop. Sanitary Main
- Prop. Manhole
- Exist. Right of Way
- Prop. Utility Easement

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

Survey Control Data Sheet	IF
Geometric Data Sheet	IG(4)
Horizontal Constr. Alignment Data	IG(1A) - IG(1E)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	4A
Profile Entrances	4B, 4B(1)

SCALE 0 25' 50' | PROJECT U000-154-R94 | SHEET NO. 22(4)

12/12/2025

100% PLANS

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

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
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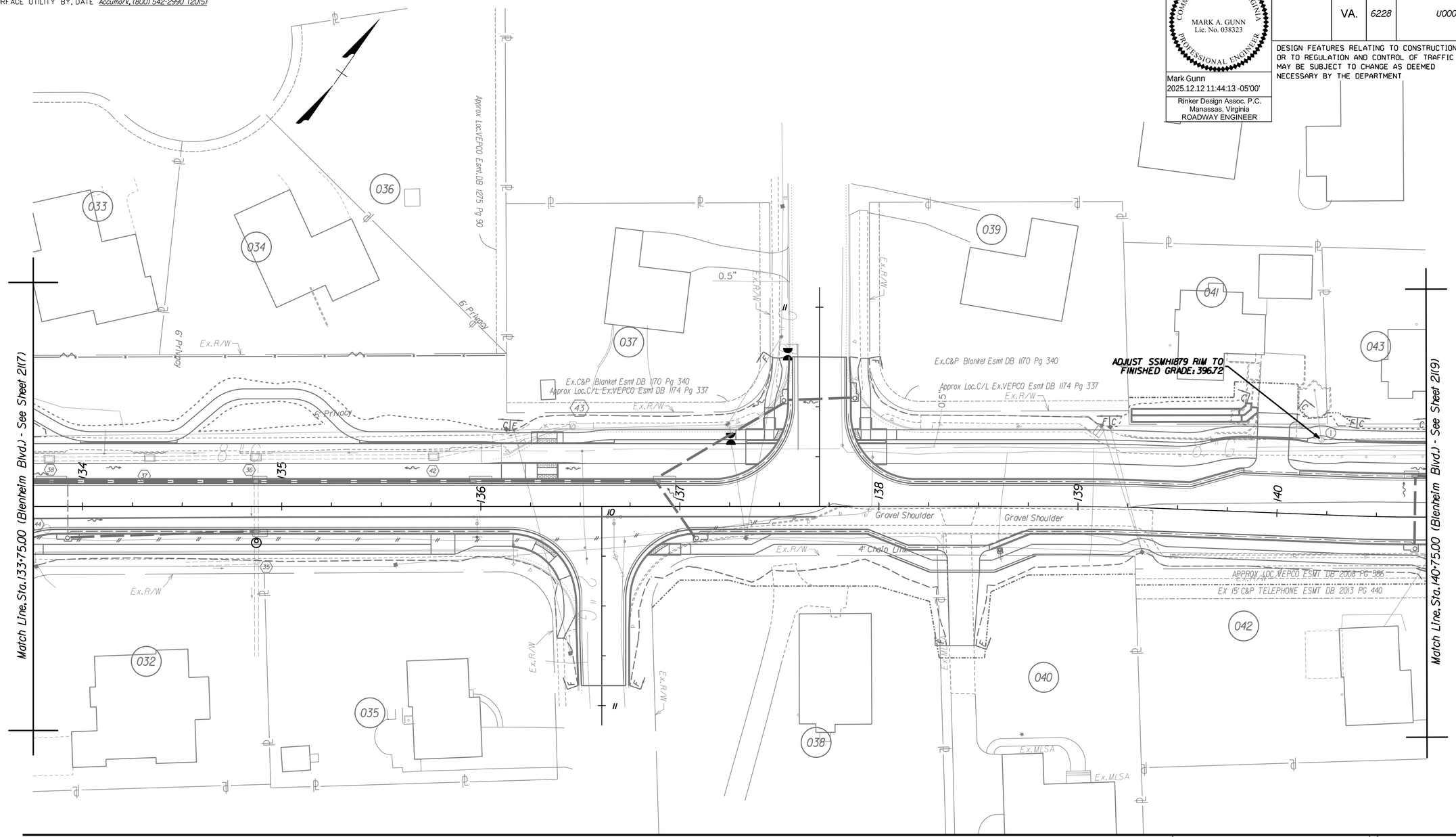
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:44:13 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	22(8)

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



SANITARY SEWER PLANS

Legend

- Exist. Sanitary Main
- Exist. San Abandon
- Prop. Sanitary Main
- Prop. Manhole
- Exist. Right of Way
- Prop. Utility Easement

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

Survey Control Data Sheet	1F
Geometric Data Sheet	1G(8)
Horizontal Constr. Alignment Data	1G(1A) - 1G(1E)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	8A
Profile Brookwood Drive	8B

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-154-R94	22(8)

12/12/2025

100% PLANS

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

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

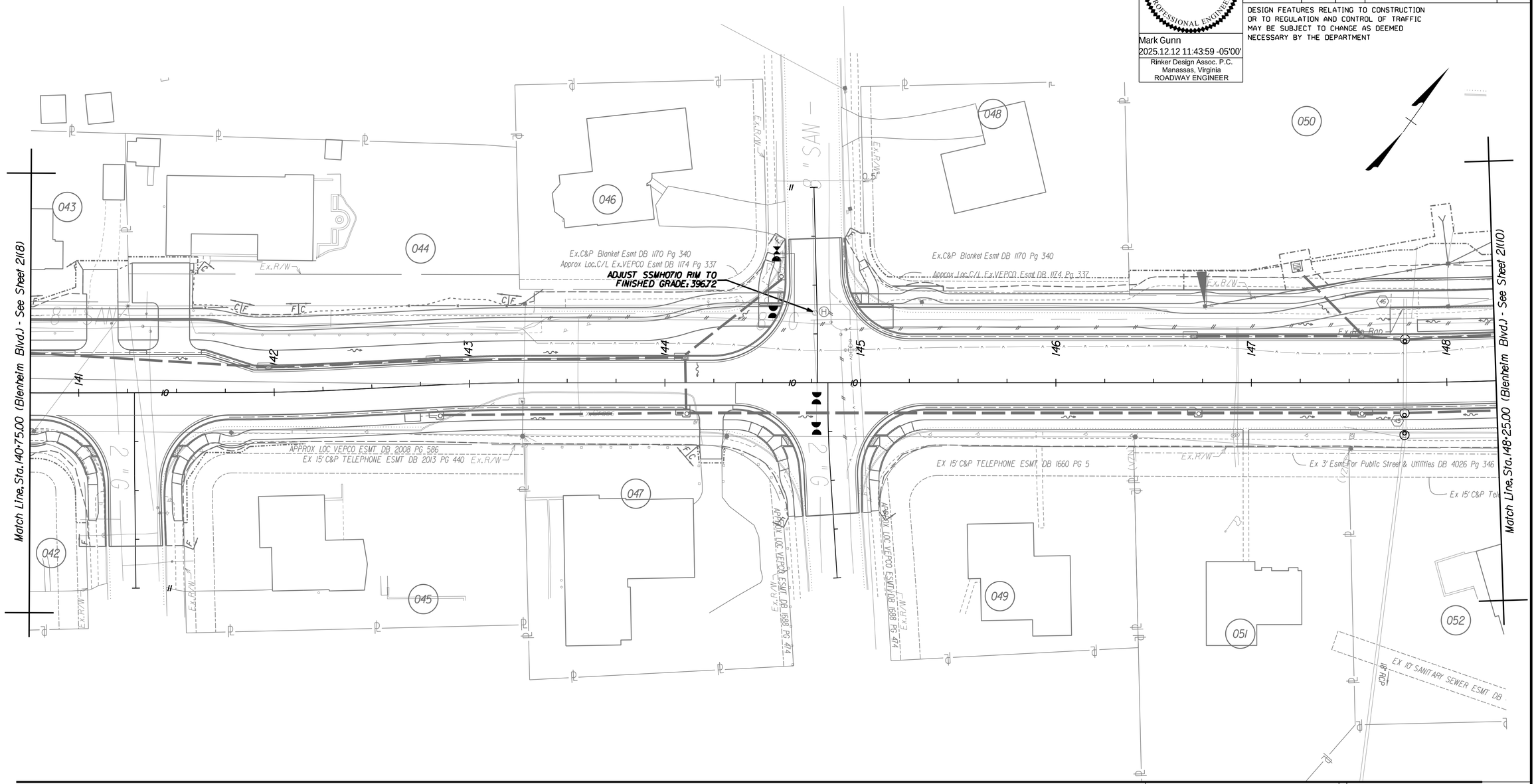
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:43:59 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	22(9)

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



SANITARY SEWER PLANS

Legend

- Exist. Sanitary Main
- Exist. San Abandon
- Prop. Sanitary Main
- Prop. Manhole
- Exist. Right of Way
- Prop. Utility Easement

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

Survey Control Data Sheet	IF
Geometric Data Sheet	IG(9)
Horizontal Constr. Alignment Data	IG(1A) - IG(1E)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	9A
Profile Queen Anne Dr., Country Hill Dr.	9B

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-154-R94	22(9)

12/12/2025

100% PLANS

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

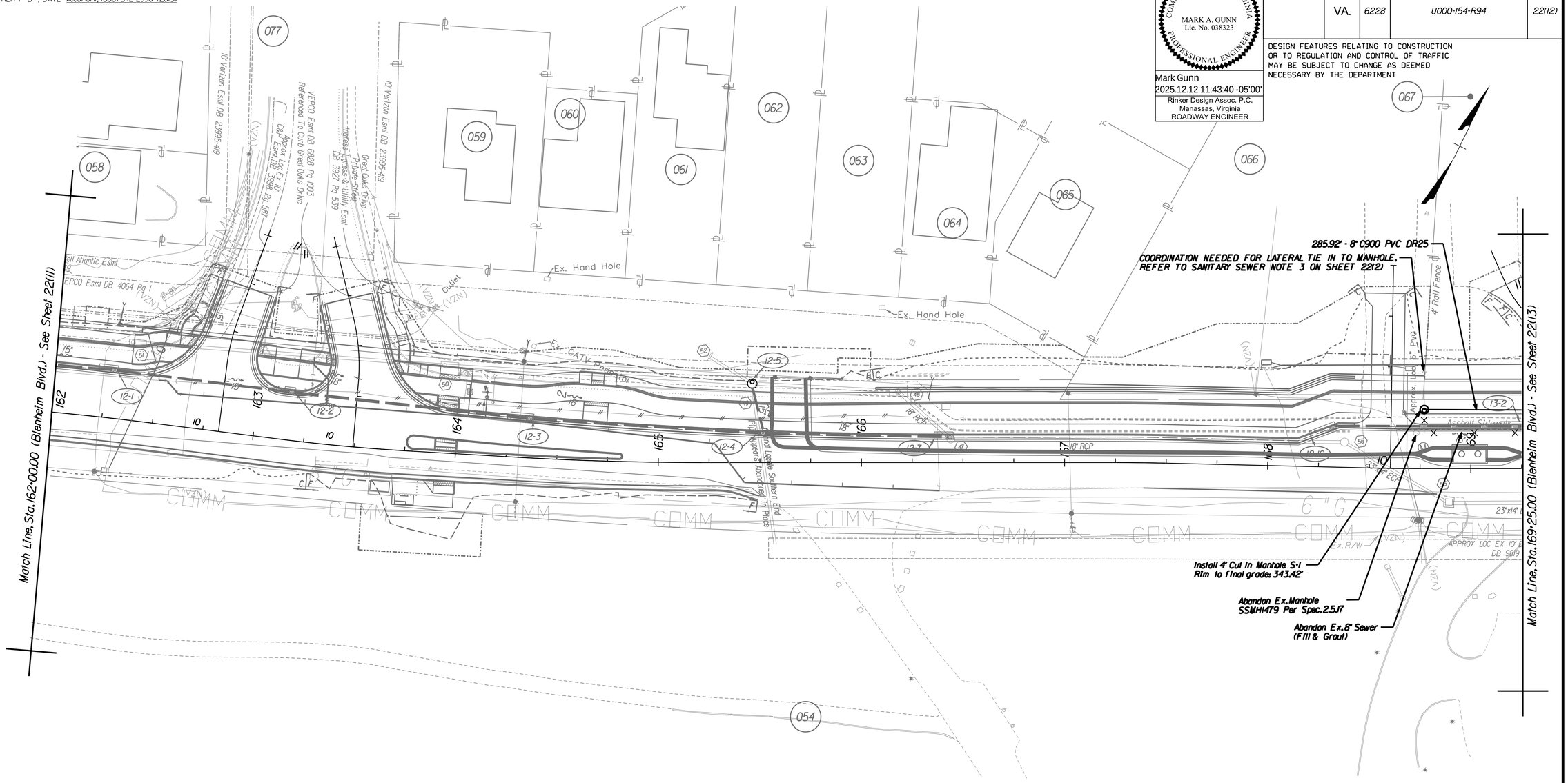
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:43:40 -05'00'
Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	22(12)

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. 162+00.00 (Blenheim Blvd.) - See Sheet 22(11)
Match Line, Sta. 169+25.00 (Blenheim Blvd.) - See Sheet 22(13)
285.92' - 8" C900 PVC DR25
COORDINATION NEEDED FOR LATERAL TIE IN TO MANHOLE. REFER TO SANITARY SEWER NOTE 3 ON SHEET 22(2)
Install 4' Cut In Manhole S-1 Rim to final grade: 343.42'
Abandon Ex. Manhole SSMH1479 Per Spec. 2.5.J.7
Abandon Ex. 8" Sewer (Fill & Grout)
Ex. Hand Hole
Ex. CATV Pedestal
Ex. Gas Line
Ex. 18" RCP
Ex. 15" RCP
Ex. 18" RCP
Ex. 4" Roll Fence
Asphalt Sidewalk
Approx. Loc. Ex. 10" Verizon Esmt DB 23995-419
Verizon Esmt DB 6828 Pg 1003 Referenced To Cato Great Oaks Drive
Approx. Loc. Ex. 10" Verizon Esmt DB 3986 Pg 587
Ingress-Egress & Utility Esmt DB 3927 Pg 539
Great Oaks Dr. Private Street
Approx. Loc. Ex. 10" Verizon Esmt DB 23995-419
Bell Atlantic Esmt
EPCO Esmt DB 4064 Pg 1
Approx. Loc. Ex. 10" Verizon Esmt DB 9819
Outlet
Ex. Inlet
Ex. Manhole
Ex. Valve
Ex. R/W
Ex. Fire Hydrant
Ex. Light Pole
Ex. Sign
Ex. Utility Pole
Ex. Guy Wire
Ex. Water Line
Ex. Gas Line
Ex. Storm Sewer
Ex. Underground Telephone
Ex. Underground Electric
Ex. Overhead Utility
Ex. Fence
Ex. Tree Line
Ex. Tree
Ex. Building
Ex. Pavement
Ex. Gravel
Ex. Concrete
Ex. Grass
Ex. Woods
Ex. Water
Ex. Wetlands
Ex. Flood Plain
Ex. Contour
Ex. Index Contour
Ex. Depression
Ex. Ditch
Ex. Curb
Ex. Gutter
Ex. Sidewalk
Ex. Entrance
Ex. Parking Space
Ex. Handicap Parking Space
Ex. Handicap Ramp
Ex. Crosswalk
Ex. Stop Bar
Ex. Yield Bar
Ex. Arrow
Ex. Lane Line
Ex. Edge Line
Ex. Centerline
Ex. Right of Way
Ex. Utility Easement
Ex. Property Line
Ex. Adjacent Property Line
Ex. Property Owner
Ex. Property Number
Ex. Subdivision
Ex. Block
Ex. Lot
Ex. Section
Ex. Zoning
Ex. Address
Ex. Survey Control
Ex. Benchmark
Ex. Survey Line
Ex. Survey Point
Ex. Survey Monument
Ex. Survey Marker
Ex. Survey Boundary
Ex. Survey Corner

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
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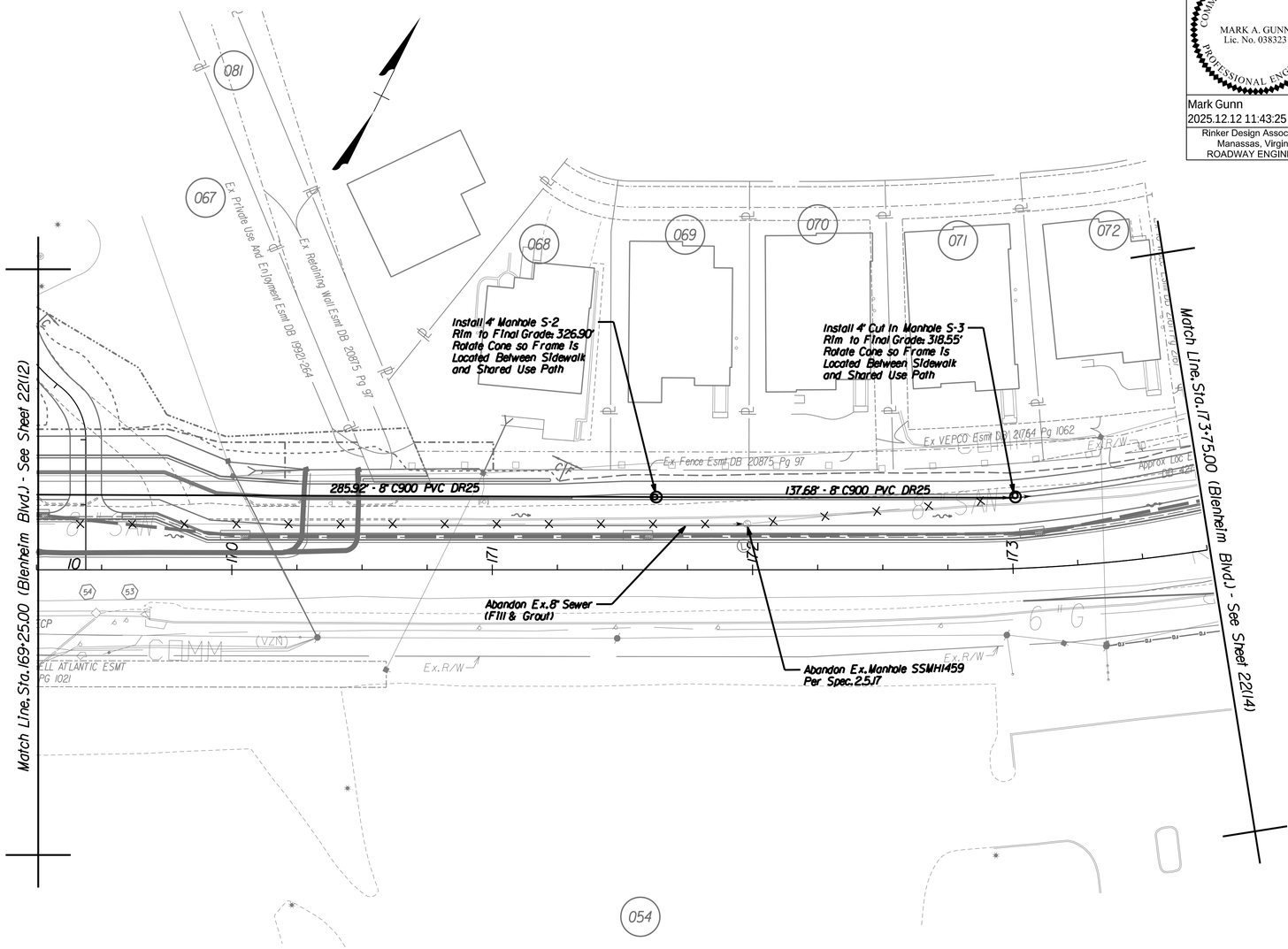
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:43:25 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	22(13)

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



SANITARY SEWER PLANS

Legend

- Exist. Sanitary Main
- Exist. San Abandon
- Prop. Sanitary Main
- Prop. Manhole
- Exist. Right of Way
- Prop. Utility Easement

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

Survey Control Data Sheet	IF
Geometric Data Sheet	IG(13)
Horizontal Constr. Alignment Data	IG(1A) - IG(1E)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	13A
Profile Entrances	13B

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-154-R94	22(13)

12/12/2025

100% PLANS

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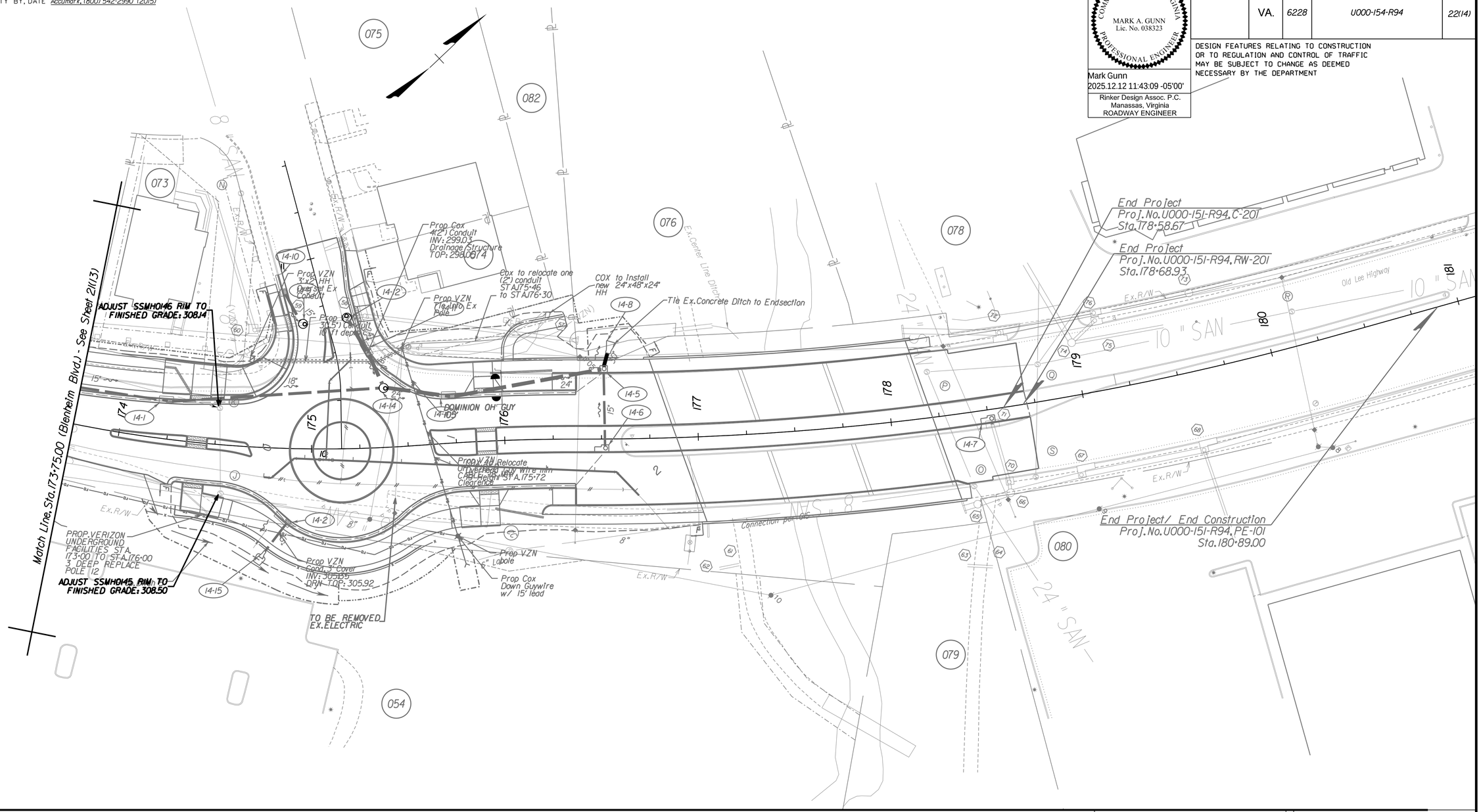
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:43:09 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	22(14)

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



SANITARY SEWER PLANS

Legend

- Exist. Sanitary Main
- Exist. San Abandon
- Prop. Sanitary Main
- Prop. Manhole
- Exist. Right of Way
- Prop. Utility Easement

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

Survey Control Data Sheet	1F
Geometric Data Sheet	1G(14)
Horizontal Constr. Alignment Data	1G(1A) - 1G(1E)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	14A
Profile Ridge Avenue	14B

SCALE 0 25' 50' | PROJECT U000-154-R94 | SHEET NO. 22(14)

12/12/2025

100% PLANS

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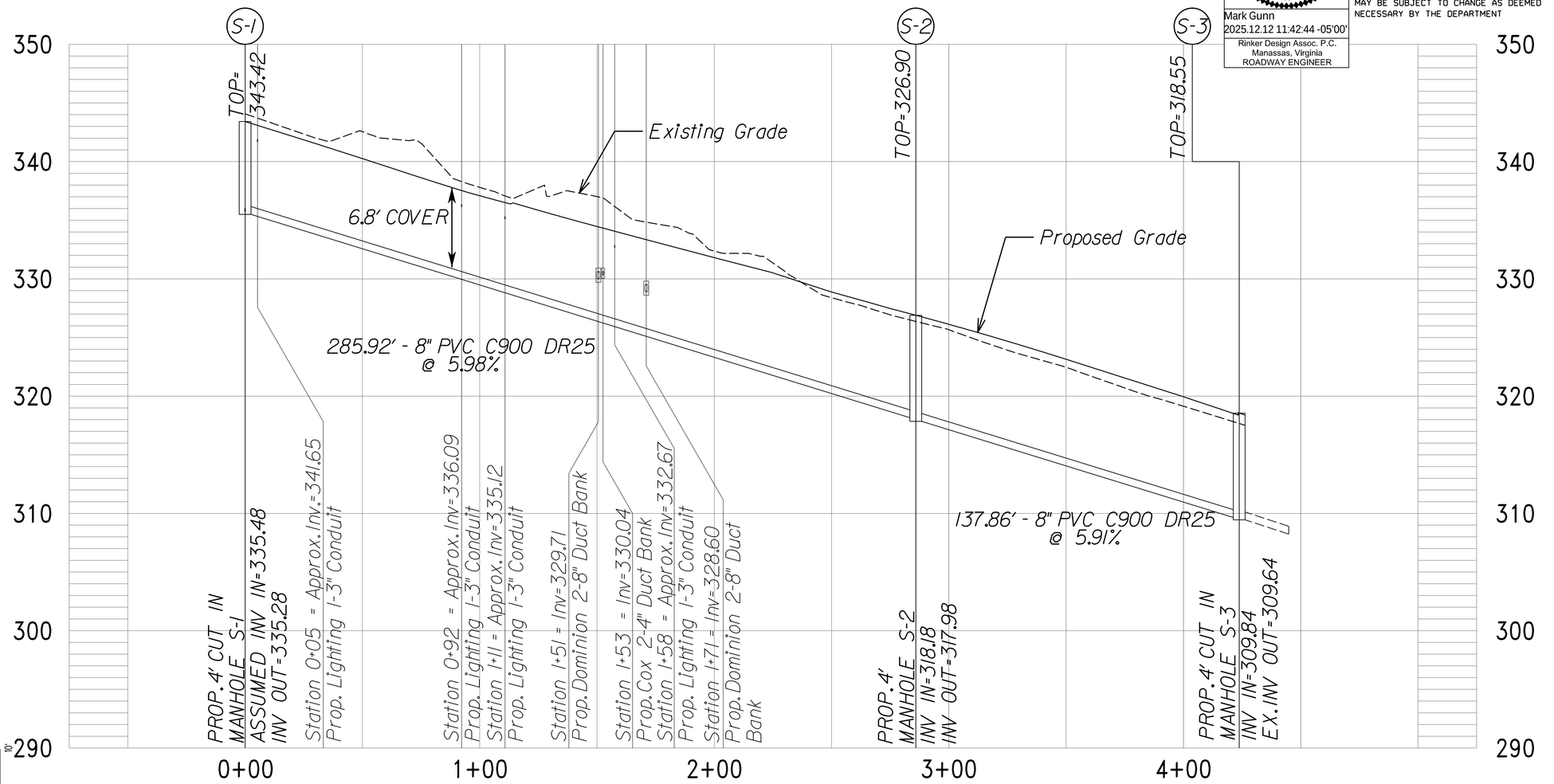
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.12 11:42:44 -05'00'

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	22(15)

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



BLENHEIM SANITARY SEWER PROFILE "S-1 to S-3"

Scale: 1"=25' Horiz. 1"=5' Vert.
See Plansheet 22(12-14)

SANITARY SEWER PROFILE

12/12/2025

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-154-R94	22(15)

100% PLANS

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

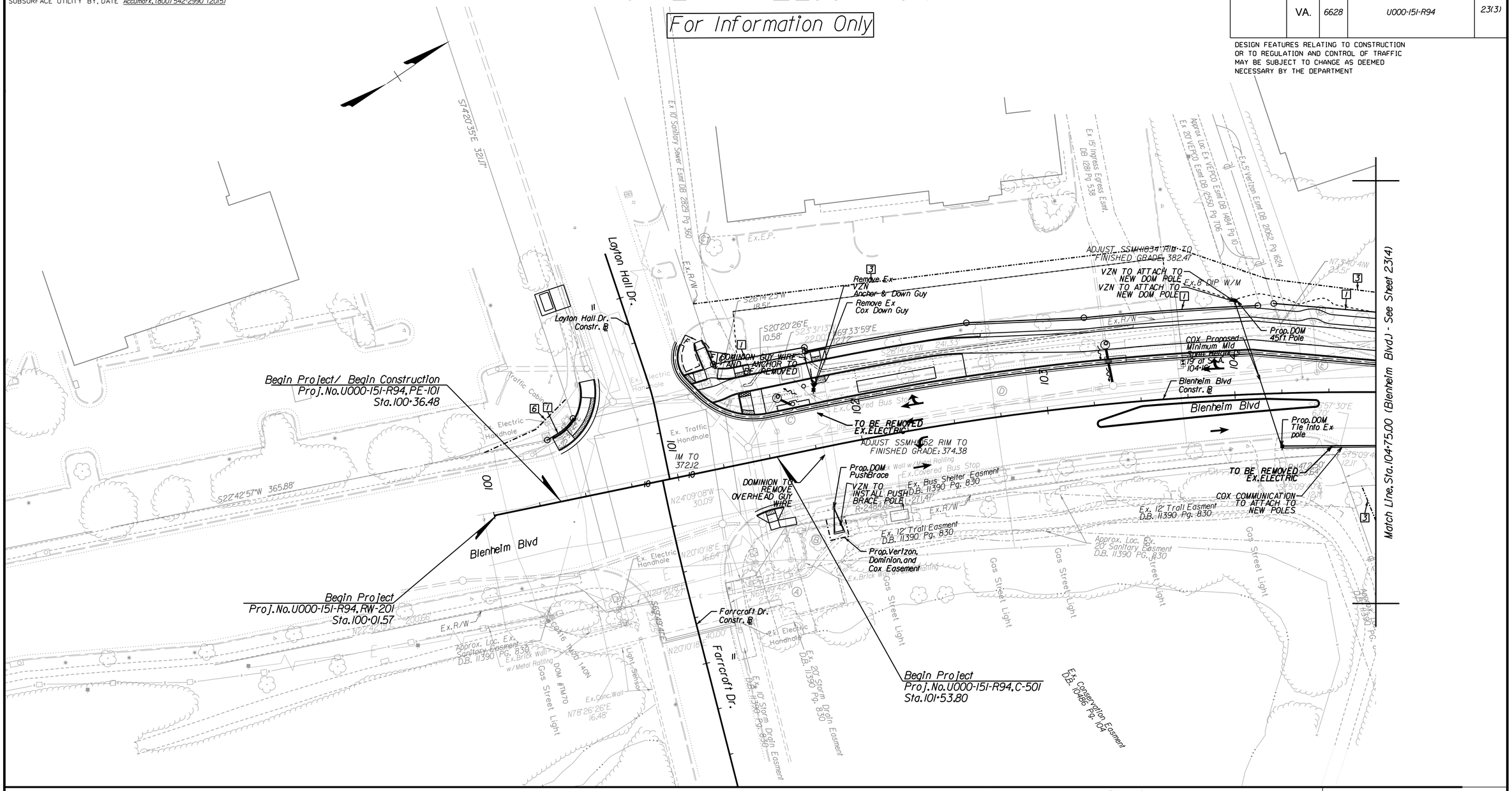
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

UTILITY RELOCATION

For Information Only

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	23(3)

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



Key Leger.

Right of Way Legend

- # — Key Legend
- Prop. Right of Way
- 1 — Prop. Permanent Drainage Ease. (Dot-Dashed Lines)
- 2 — Prop. Temporary Construction Ease. (Dot-Dot-Dashed Lines)
- 3 — Prop. Permanent Street Lighting Ease. (Dot-Dashed Lines)
- 4 — Prop. Permanent Utility Ease. (Dot-Dashed Lines, See Label for Owner)
- 6 — Prop. Permanent Traffic Signal Ease. (Dot-Dashed Lines)
- 7 — Prop. Perpetual Street Ease. (Dot-Dashed Lines)
- Prop. Right of Way Monument RM-2

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

Roadway Design Plans	3-14

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-151-R94	23(3)

12/12/2025

FINAL PLANS

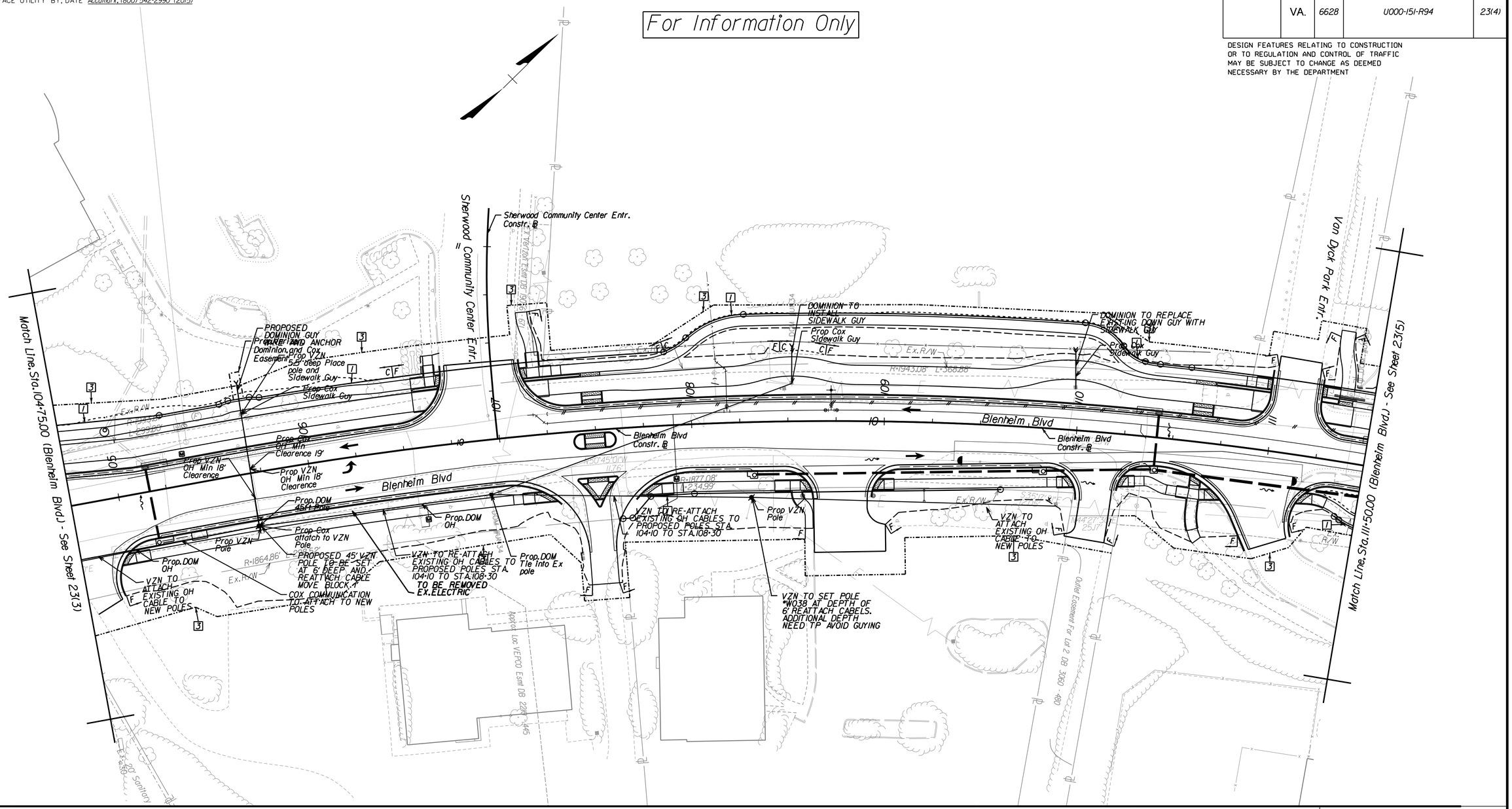
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

UTILITY RELOCATION

For Information Only

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	23(4)

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



Key Legend

Right of Way Legend

# Key Legend	Prop. Permanent Utility Ease. (Dot-Dashed Lines, See Label for Owner)
Prop. Right of Way	6 Prop. Permanent Traffic Signal Ease. (Dot-Dashed Lines)
1 Prop. Permanent Drainage Ease. (Dot-Dashed Lines)	7 Prop. Perpetual Street Ease. (Dot-Dashed Lines)
2 Prop. Temporary Construction Ease. (Dot-Dot-Dashed Lines)	Prop. Right of Way Monument RM-2
3 Prop. Permanent Street Lighting Ease. (Dot-Dashed Lines)	
4	

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

Roadway Design Plans 3-14

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-151-R94	23(4)

12/12/2025

FINAL PLANS

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

UTILITY RELOCATION

For Information Only

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	23(5)

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

Saint Leo the Great Catholic Church
Saint Leo the Great Catholic School
Daniels Run Elementary School
Match Line, Sta. 111+50.00 (Blenheim Blvd.) - See Sheet 23(4)
Match Line, Sta. 119+00.00 (Blenheim Blvd.) - See Sheet 23(6)
Blenheim Blvd
Blenheim Blvd Constr. ℄
Ex.R/W
APPROX. LOC. EX. VEPCO ESMT. DB 1820 PG 359
EX. I-5 CITY OF FAIRFAX WATER EASEMENT DB 7859 PG 246
APPROX. LOC. EX. VEPCO ESMT. DB 1820 PG 366
LOC. EX. VEPCO ESMT. DB 2751 PG 337
Approx Loc. EX. VEPCO Esmt. DB 2165 Pg 395
Approx Loc. EX. VEPCO Esmt. DB 1458 Pg 592
Ex. Walk
Ex. Curb
Ex. Fence
Ex. Bldg
Ex. Pole
Ex. Guy
Ex. Sign
Ex. Inlet
Ex. Manhole
Ex. Mailbox
Ex. Tree
Ex. Shrub
Ex. Rock
Ex. Gas Valve
Ex. Water Valve
Ex. Water Meter
Ex. Gas Meter
Ex. Light
Ex. Hydrant
Ex. Sanitary Manhole
Ex. Storm Manhole
Ex. Storm Inlet
Ex. Storm Pipe
Ex. Sanitary Pipe
Ex. Water Pipe
Ex. Gas Pipe
Ex. Underground Electric
Ex. Underground Telephone
Ex. Underground Cable TV
Ex. Overhead Utility
Ex. Underground Utility
Ex. Gravel
Ex. Concrete
Ex. Asphalt
Ex. Grass
Ex. Woods
Ex. Water
Ex. Wetlands
Ex. Building
Ex. Retaining Wall
Ex. Steps
Ex. Ramp
Ex. Handicap Ramp
Ex. Flume
Ex. Ditch
Ex. Culvert
Ex. Fire Department Connection
Ex. Gate
Ex. Barrier
Ex. Guardrail
Ex. Utility Pedestal
Ex. Utility Vault
Ex. Utility Box
Ex. Utility Cabinet
Ex. Utility Meter
Ex. Utility Transformer
Ex. Utility Switch
Ex. Utility Riser
Ex. Utility Conduit
Ex. Utility Duct
Ex. Utility Manhole
Ex. Utility Handhole
Ex. Utility Pull Box
Ex. Utility Splice Box
Ex. Utility Terminal
Ex. Utility Junction Box
Ex. Utility Cross Arm
Ex. Utility Insulator
Ex. Utility Guy Wire
Ex. Utility Anchor
Ex. Utility Down Guy
Ex. Utility Sidewalk Guy
Ex. Utility Pole
Ex. Utility Tower
Ex. Utility Antenna
Ex. Utility Dish
Ex. Utility Satellite
Ex. Utility Microwave
Ex. Utility Radio
Ex. Utility Telephone
Ex. Utility Cable TV
Ex. Utility Fiber Optic
Ex. Utility Electric
Ex. Utility Gas
Ex. Utility Water
Ex. Utility Sewer
Ex. Utility Storm
Ex. Utility Sanitary
Ex. Utility Irrigation
Ex. Utility Fire
Ex. Utility Police
Ex. Utility Emergency
Ex. Utility Traffic
Ex. Utility Signal
Ex. Utility Lighting
Ex. Utility Street Lighting
Ex. Utility Traffic Signal
Ex. Utility Pedestrian Signal
Ex. Utility Crosswalk
Ex. Utility Stop Bar
Ex. Utility Yield Line
Ex. Utility Lane Line
Ex. Utility Centerline
Ex. Utility Edge of Pavement
Ex. Utility Curb and Gutter
Ex. Utility Sidewalk
Ex. Utility Shoulder
Ex. Utility Ditch
Ex. Utility Culvert
Ex. Utility Inlet
Ex. Utility Manhole
Ex. Utility Pipe
Ex. Utility Conduit
Ex. Utility Duct
Ex. Utility Cable
Ex. Utility Wire

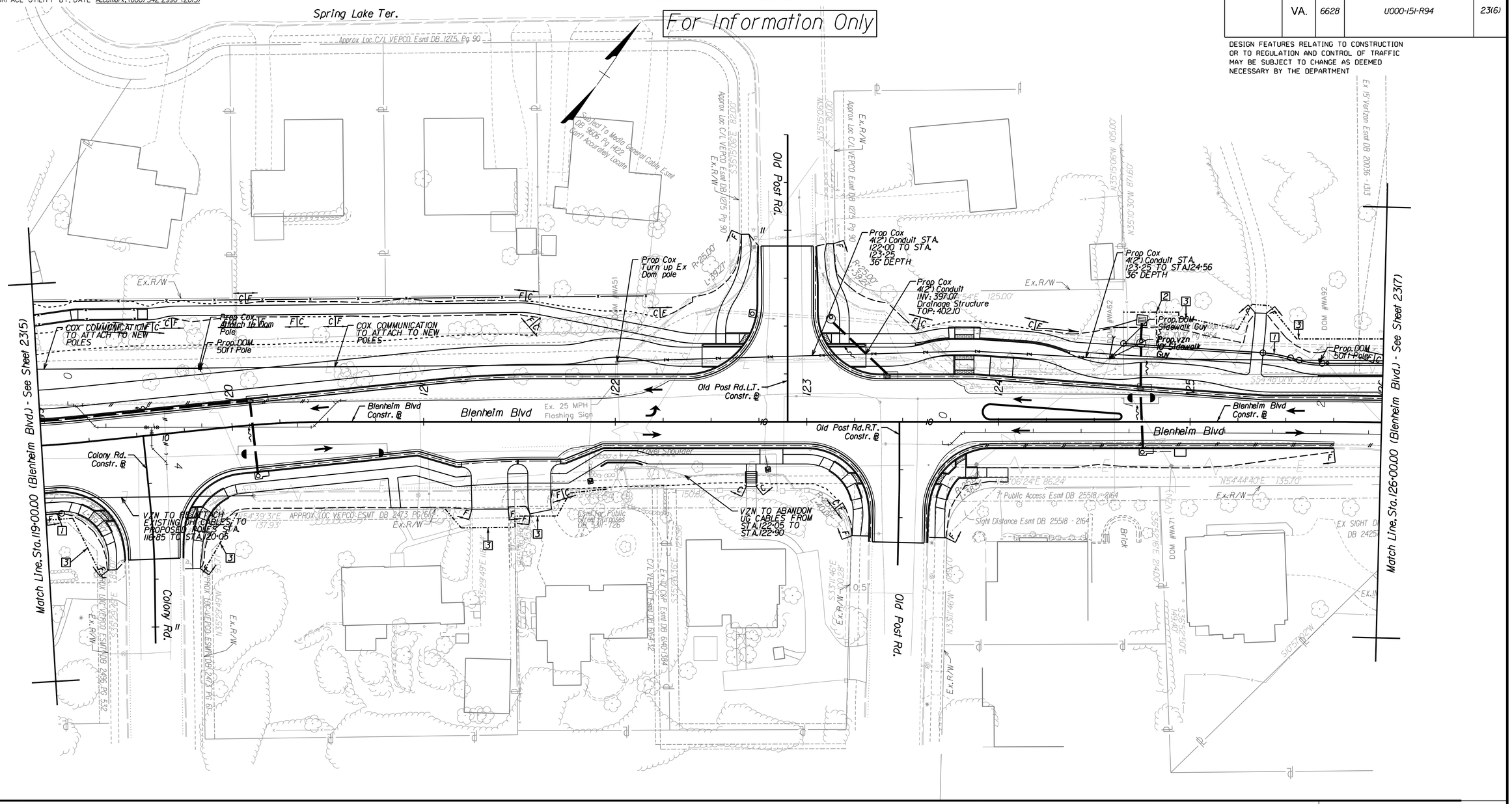
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

UTILITY RELOCATION

For Information Only

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	23(6)

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



Key Legend

Right of Way Legend

- # — Key Legend
- Prop. Right of Way
- 1 — Prop. Permanent Drainage Ease. (Dot-Dashed Lines)
- 2 — Prop. Temporary Construction Ease. (Dot-Dot-Dashed Lines)
- 3 — Prop. Permanent Street Lighting Ease. (Dot-Dashed Lines)
- 4 — Prop. Permanent Utility Ease. (Dot-Dashed Lines, See Label for Owner)
- 6 — Prop. Permanent Traffic Signal Ease. (Dot-Dashed Lines)
- 7 — Prop. Perpetual Street Ease. (Dot-Dashed Lines)
- Prop. Right of Way Monument RM-2

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

Roadway Design Plans	3-14

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-151-R94	23(6)

12/12/2025

FINAL PLANS

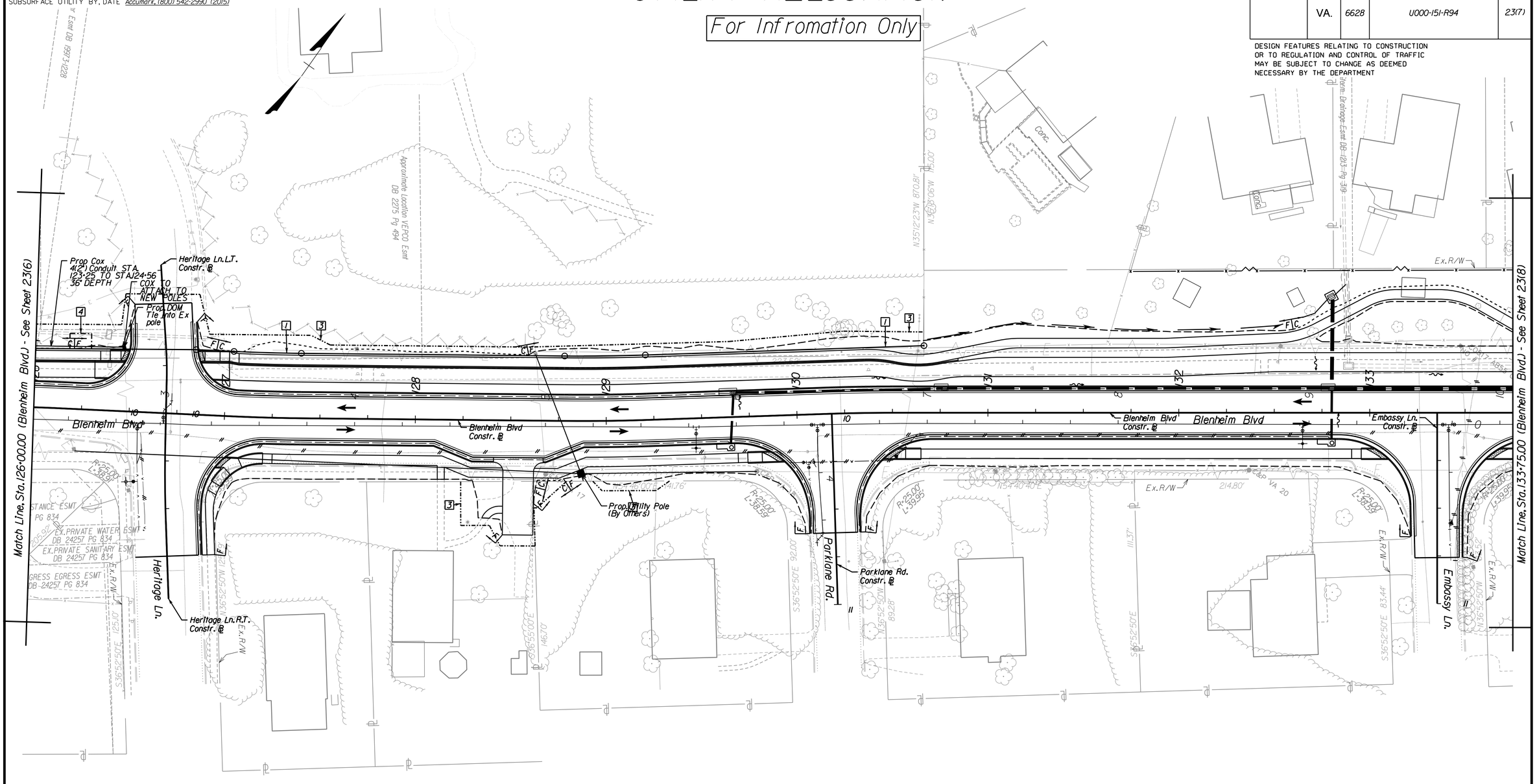
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

UTILITY RELOCATION

For Infromation Only

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	23(7)

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



Key Legend

Right of Way Legend

# Key Legend	Prop. Permanent Utility Ease. (Dot-Dashed Lines, See Label for Owner)
Prop. Right of Way	6 Prop. Permanent Traffic Signal Ease. (Dot-Dashed Lines)
1 Prop. Permanent Drainage Ease. (Dot-Dashed Lines)	7 Prop. Perpetual Street Ease. (Dot-Dashed Lines)
2 Prop. Temporary Construction Ease. (Dot-Dot-Dashed Lines)	Prop. Right of Way Monument RM-2
3 Prop. Permanent Street Lighting Ease. (Dot-Dashed Lines)	
4	

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

Roadway Design Plans 3-14

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-151-R94	23(7)

12/12/2025

FINAL PLANS

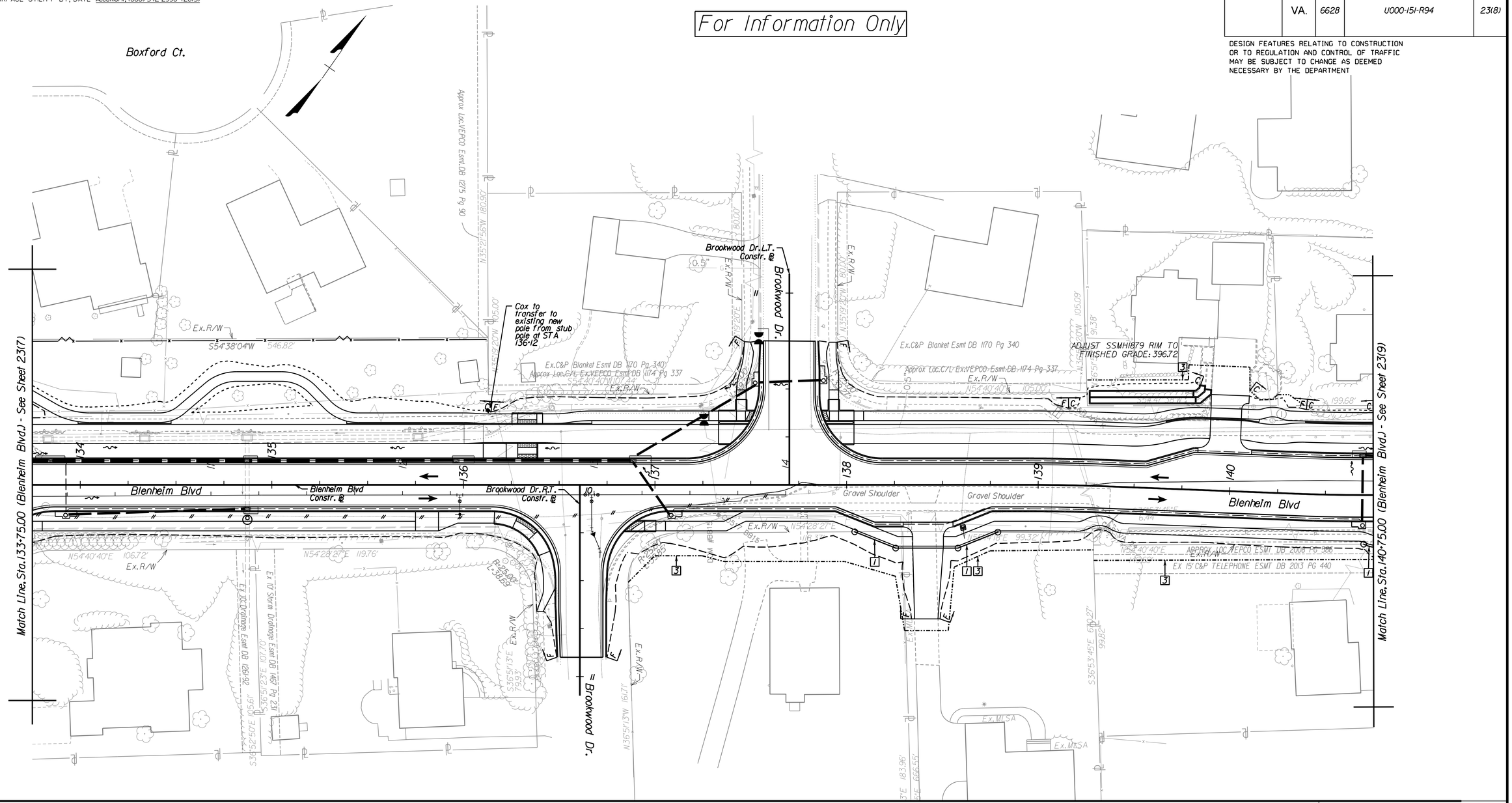
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
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SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

UTILITY RELOCATION

For Information Only

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	23(8)

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



Key Legend

Right of Way Legend

- # — Key Legend
- Prop. Right of Way
- 1 — Prop. Permanent Drainage Ease. (Dot-Dashed Lines)
- 2 — Prop. Temporary Construction Ease. (Dot-Dot-Dashed Lines)
- 3 — Prop. Permanent Street Lighting Ease. (Dot-Dashed Lines)
- 4 — Prop. Permanent Utility Ease. (Dot-Dashed Lines, See Label for Owner)
- 6 — Prop. Permanent Traffic Signal Ease. (Dot-Dashed Lines)
- 7 — Prop. Perpetual Street Ease. (Dot-Dashed Lines)
- Prop. Right of Way Monument RM-2

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

Roadway Design Plans 3-14

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-151-R94	23(8)

12/12/2025

FINAL PLANS

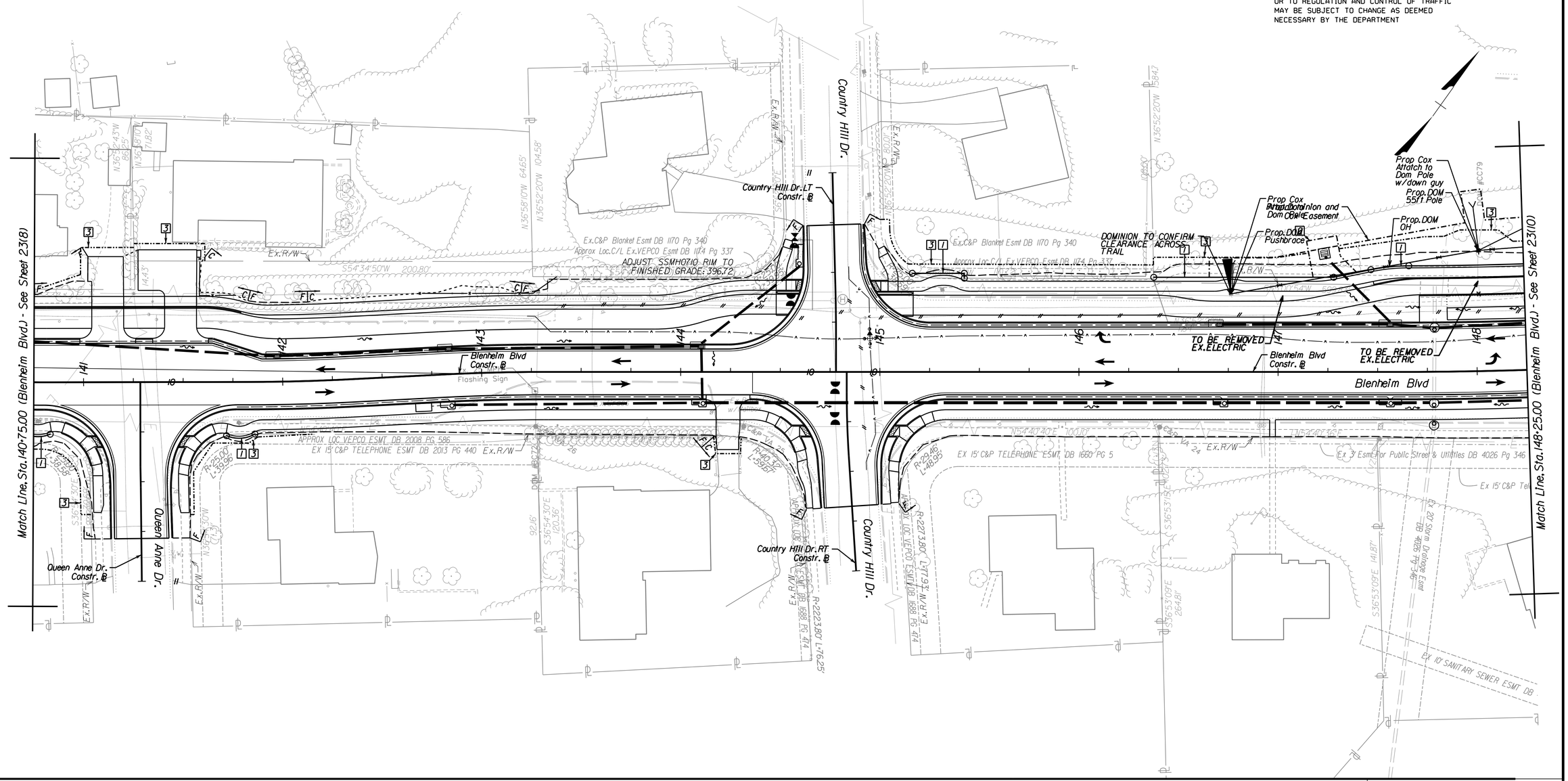
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SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

UTILITY RELOCATION

For Information Only

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	23(9)

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



Key Legend

Right of Way Legend

- # — Key Legend
- Prop. Right of Way
- 1 — Prop. Permanent Drainage Ease. (Dot-Dashed Lines)
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- 4 — Prop. Permanent Utility Ease. (Dot-Dashed Lines, See Label for Owner)
- 6 — Prop. Permanent Traffic Signal Ease. (Dot-Dashed Lines)
- 7 — Prop. Perpetual Street Ease. (Dot-Dot-Dashed Lines)
- Prop. Right of Way Monument RM-2

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

Roadway Design Plans 3-14

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-151-R94	23(9)

12/12/2025

FINAL PLANS

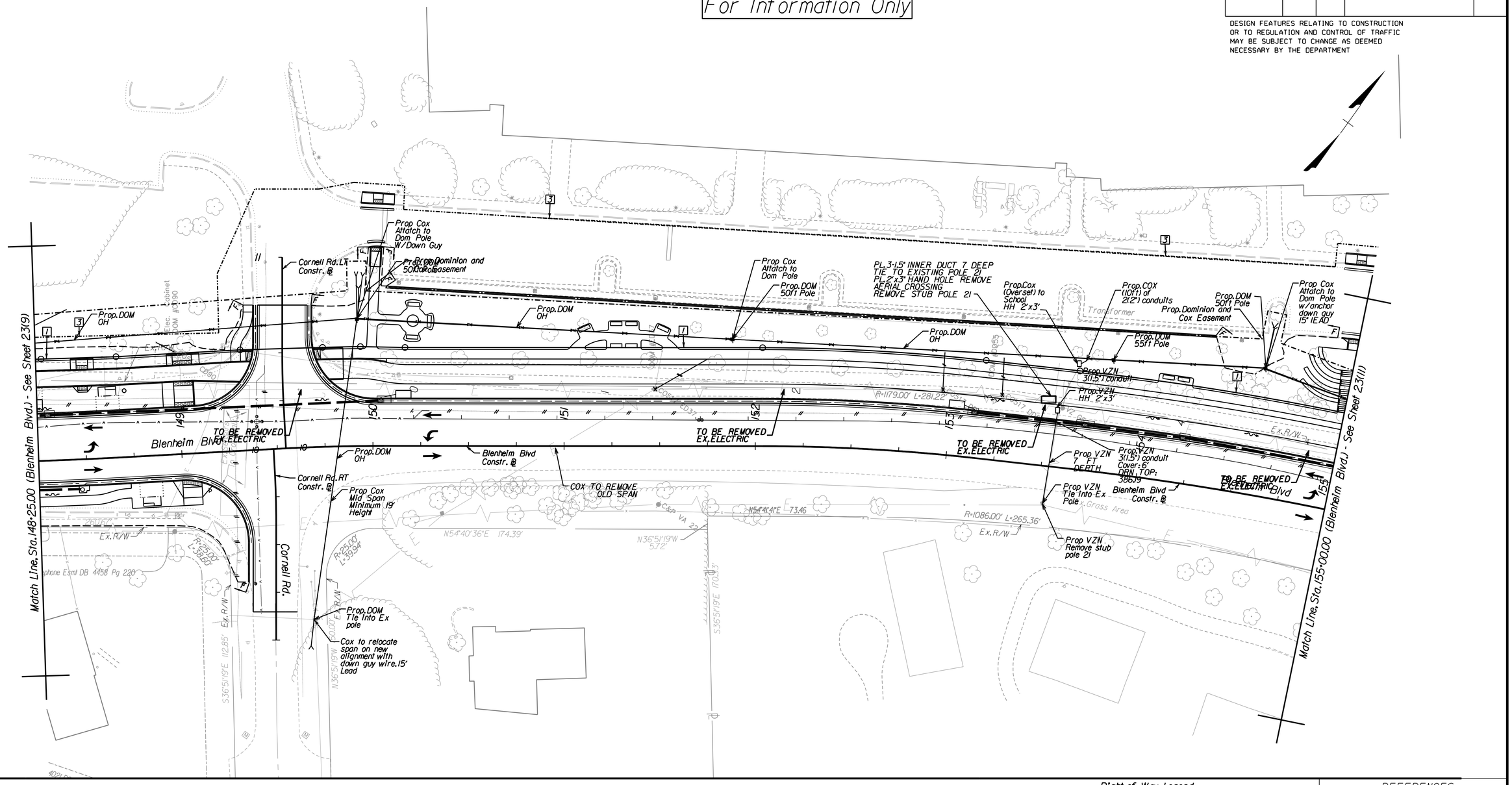
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

UTILITY RELOCATION

For Information Only

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	23(10)

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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Right of Way Legend

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

Roadway Design Plans 3-14

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-151-R94	23(10)

12/12/2025

FINAL PLANS

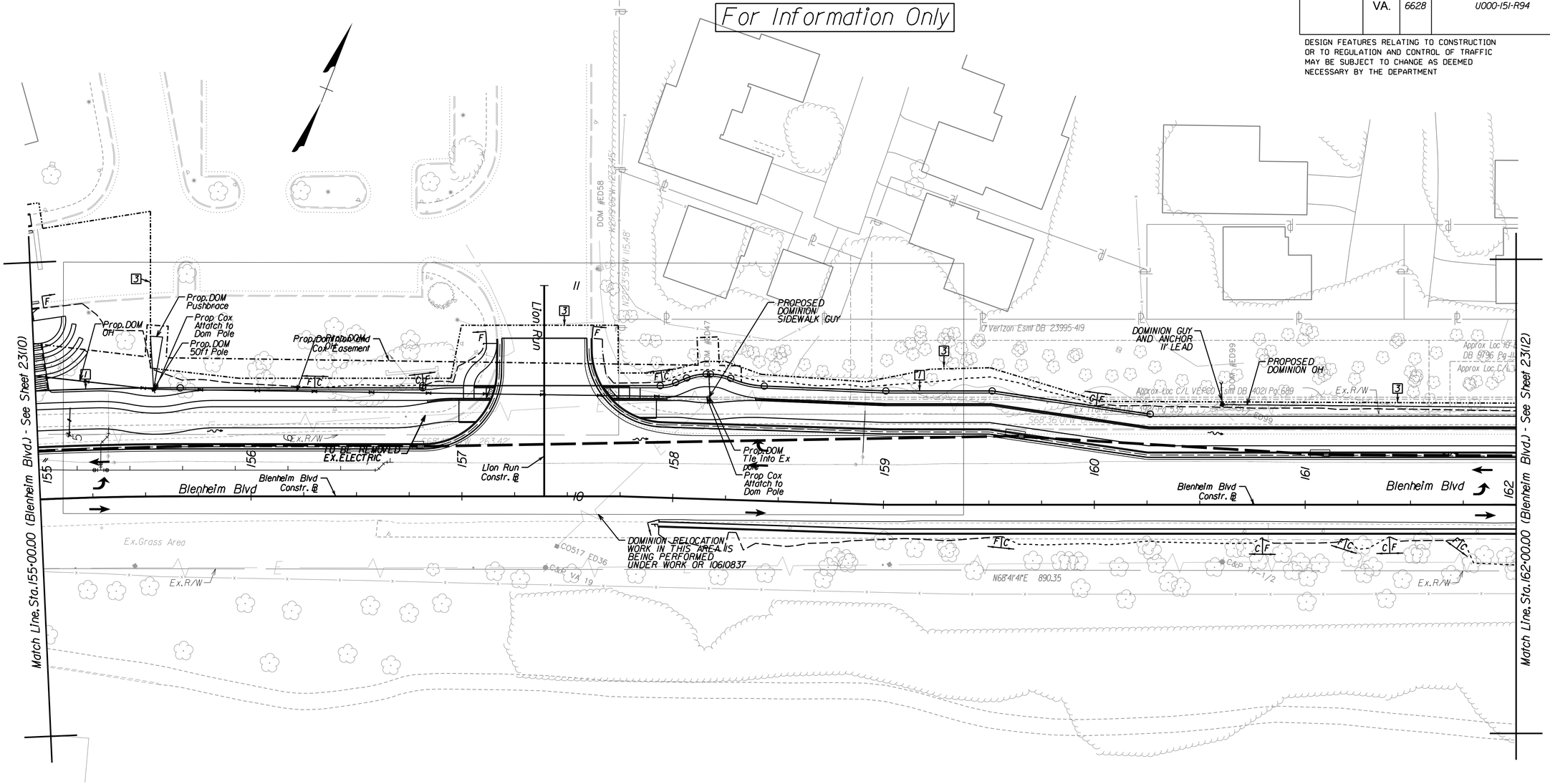
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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
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UTILITY RELOCATION

For Information Only

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	23(11)

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.155+00.00 (Blenheim Blvd.) - See Sheet 23(10)
Match Line, Sta.162+00.00 (Blenheim Blvd.) - See Sheet 23(12)
Blenheim Blvd
Blenheim Blvd Constr. @
Lion Run
Lion Run Constr. @
Prop. DOM Pushbrace
Prop. DOM OH
Prop. Cox Attach to Dom Pole
Prop. DOM 50ft Pole
Prop. DOM and Cox Ease
TO BE REMOVED EX. ELECTRIC
PROPOSED DOMINION/ SIDEWALK GUY
Prop. DOM Tie Into Ex DOM
Prop Cox Attach to Dom Pole
DOMINION GUY AND ANCHOR 11' LEAD
PROPOSED DOMINION OH
Verizon Esmt DB 23995-419
Approx Loc 16' DB 9796 Pg 11
Approx Loc C/L
Approx Loc C/L VEPCO Esmt DB 4021 Pg 689
Ex. R/W
DOM #ED58
DOM #ED47
DOM #ED99
N22°35'59"W 115.48'
S68°36'01"W 98.51'
N68°41'41"E 890.35
Ex. Grass Area
DOMINION RELOCATION WORK IN THIS AREA IS BEING PERFORMED UNDER WORK OR 10610837
C0517 FD36 VA 19
C&P 1-1/2
155
156
157
158
159
160
161
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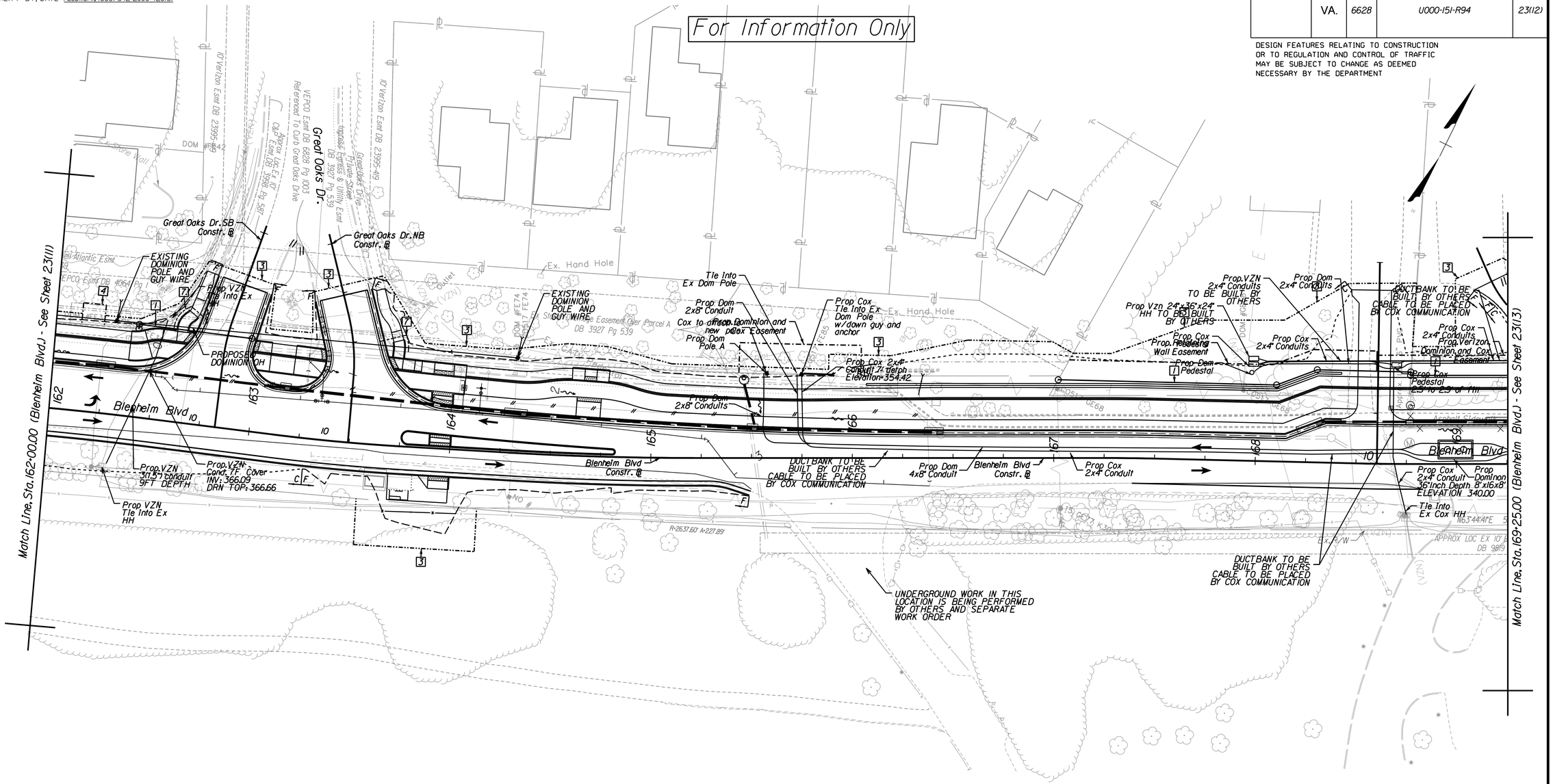
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	VA.	6628	U000-151-R94	23(12)

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

Roadway Design Plans 3-14

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-151-R94	23(12)

12/12/2025

FINAL PLANS

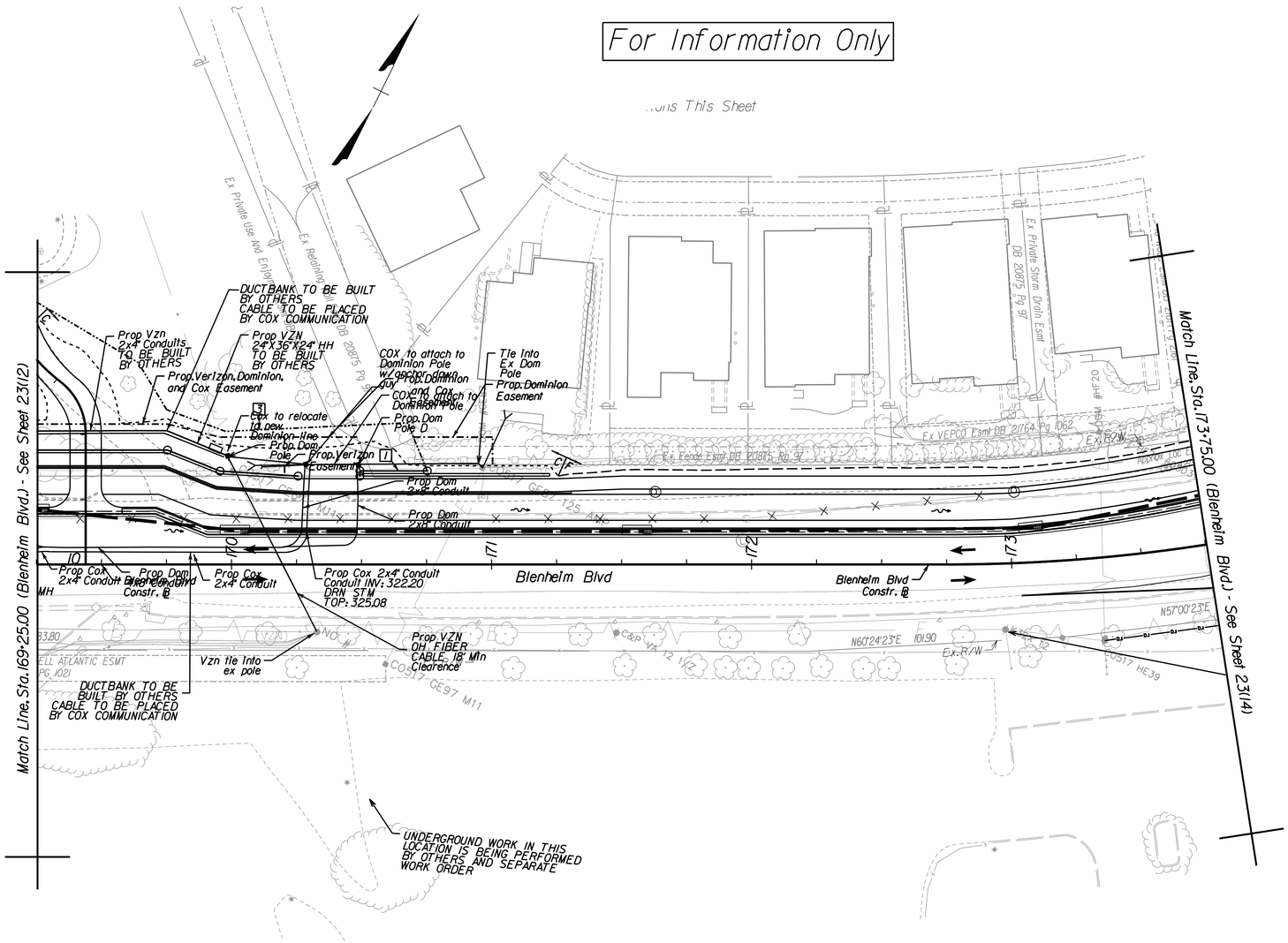
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SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

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For Information Only

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
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REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3-14

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-151-R94	23(13)

12/12/2025

FINAL PLANS

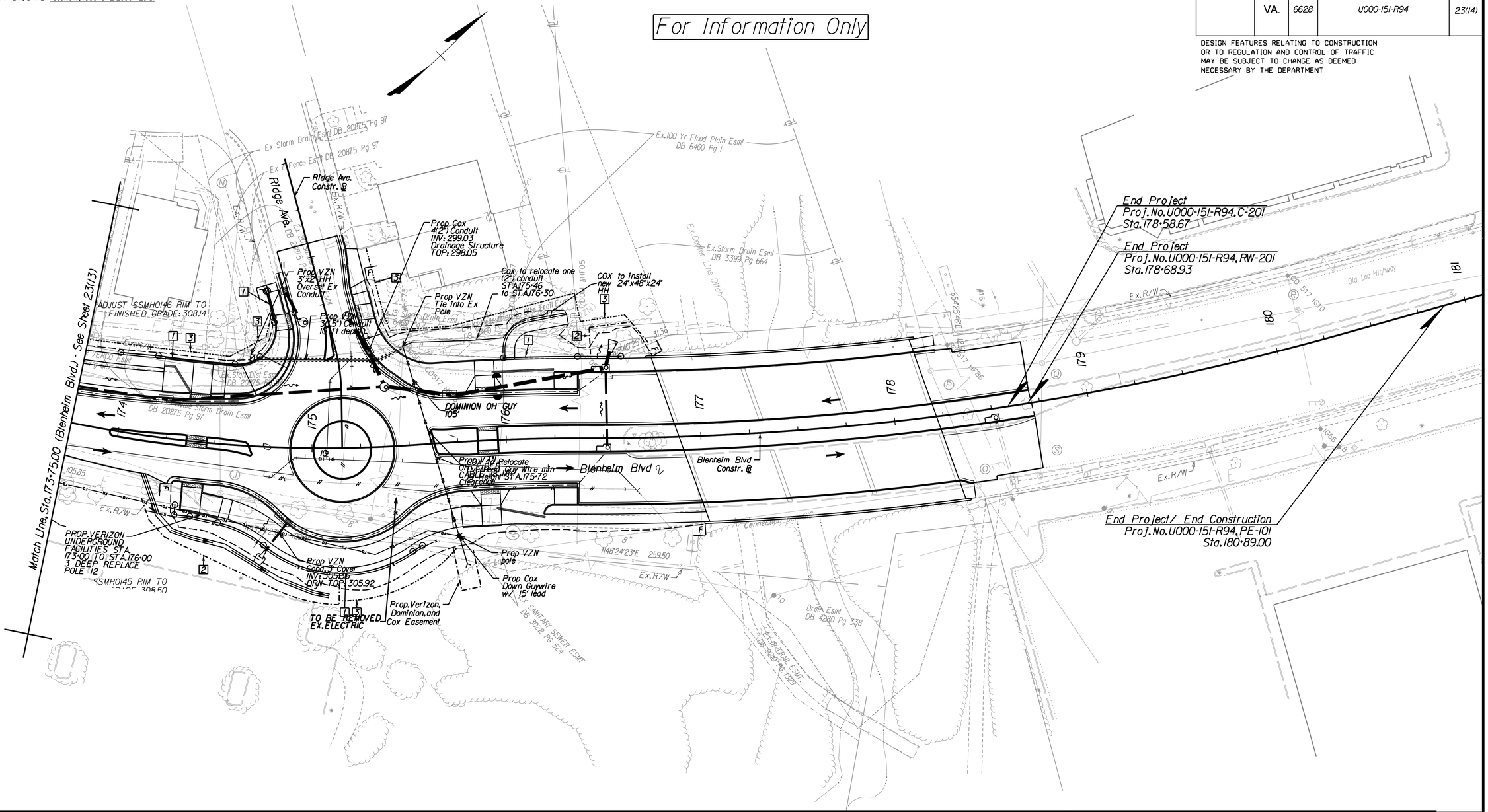
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Roadway Design Plans 3-14

SCALE 0 25' 50'

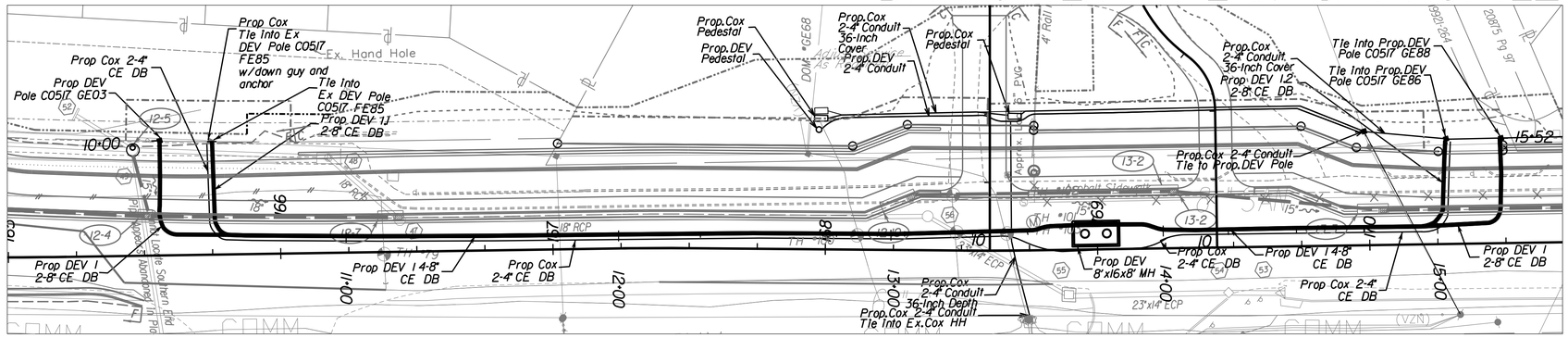
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U000-151-R94	23(14)

12/12/2025

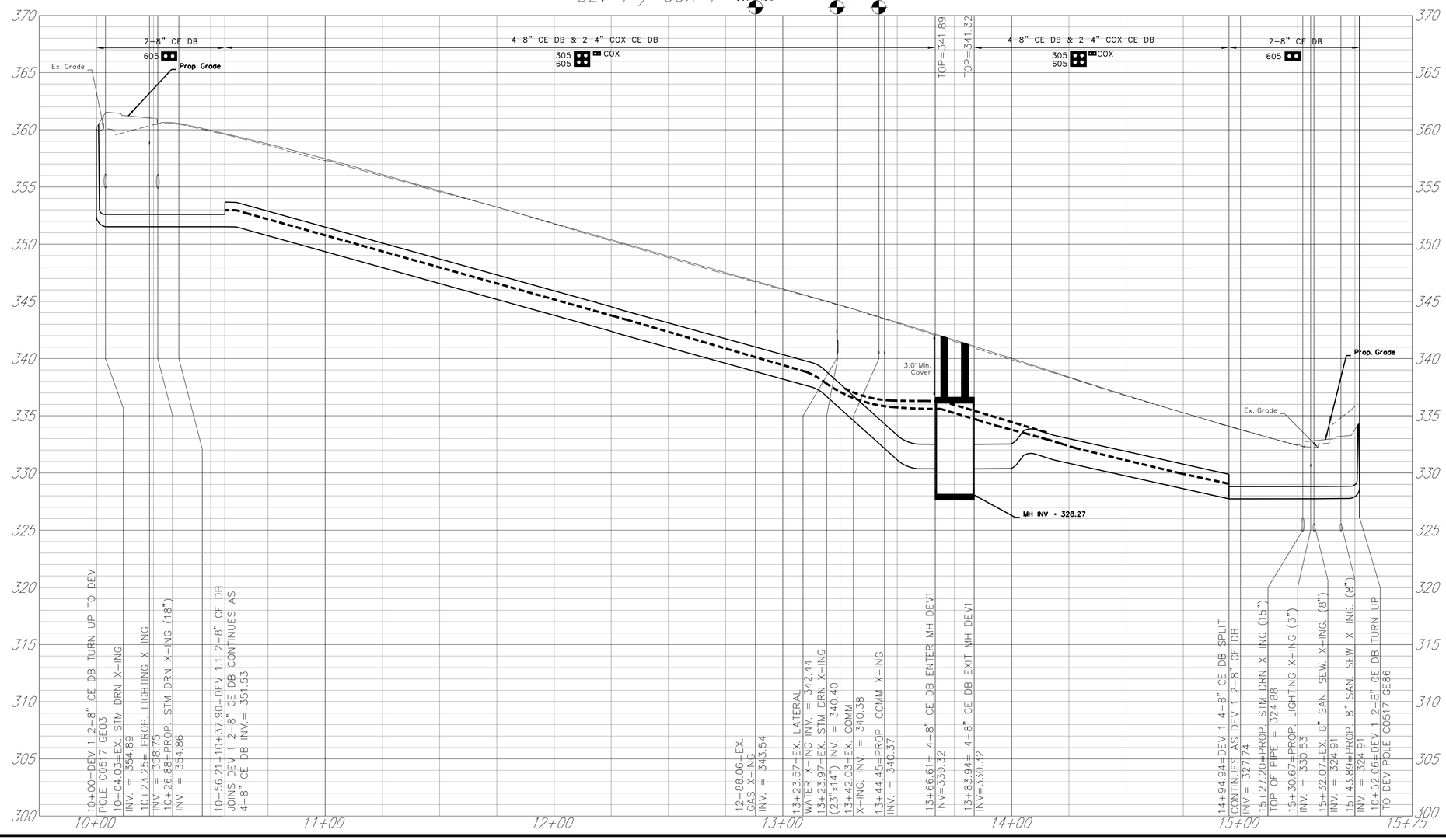
FINAL PLANS

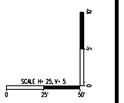
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DRY UTILITY PLAN & PROFILE



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CONDUIT LEGEND
DOMINION CONDUITS
COMM CONDUITS

PROJECT U000-154-R94 | SHEET NO. 24(1)

MARK A. GUNN
Lic. No. 038323
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.11 22:35:35 -05'00'
Rinker Design Assoc. LLC
Manassas, Virginia
UTILITY ENGINEER

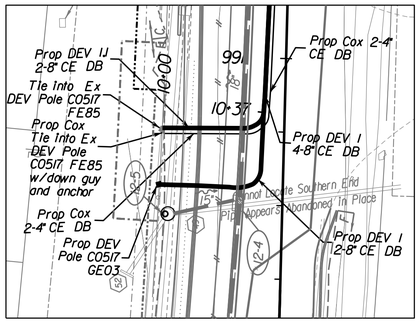
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	24(1)

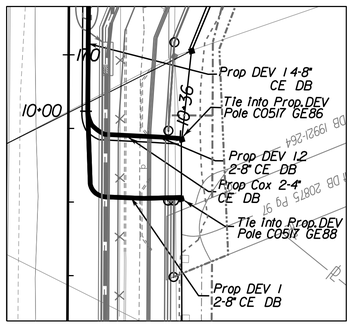
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

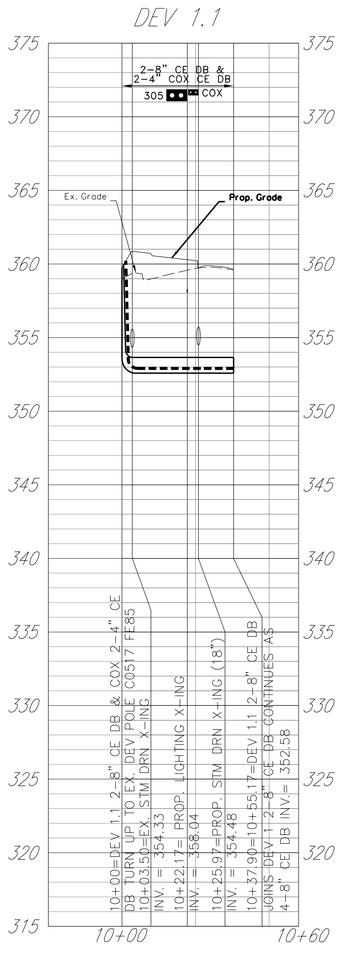
12/10/2025

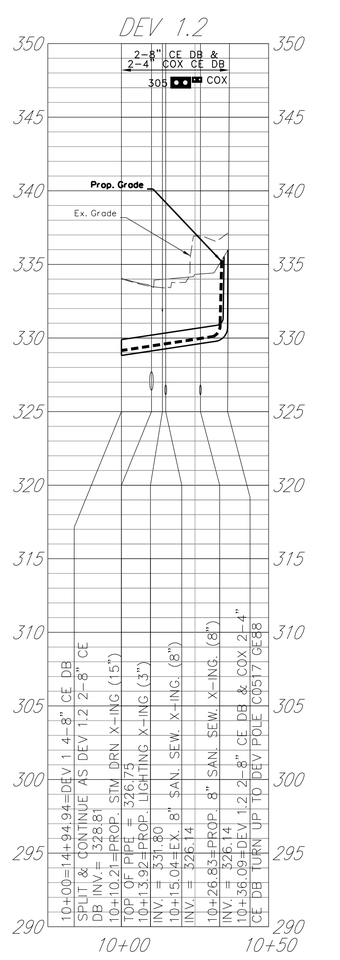
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DRY UTILITY PLAN & PROFILE





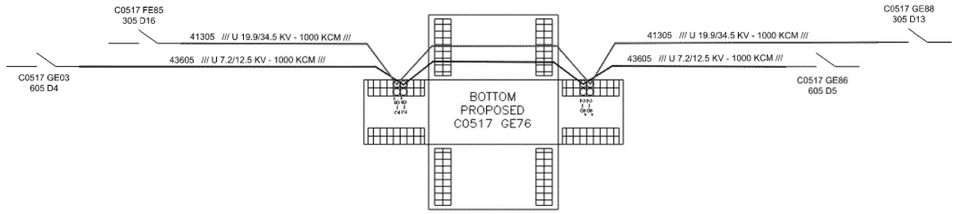




NOTES:

1. CABLE PULLING CALCULATIONS WERE NOT PERFORMED BY RINKER DESIGN ASSOCIATES,LLC.THIS CONDUIT PLAN HAS BEEN REVIEWED BY DOMINION ENERGY,IS IN CONFORMANCE WITH THEIR STANDARDS,AND IS ACCEPTED BY DOMINION ENERGY.
2. NO UTILITY SHALL BE INSTALLED ABOVE OR BELOW THE PROPOSED CONDUITS EXCEPT AT UTILITY CROSSINGS. A MINIMUM OF 1'VERTICAL CLEARANCE SHALL BE MAINTAINED FOR ANY UTILITY INSTALLED ABOVE OR BELOW THE PROPOSED CONDUITS.THE MINIMUM HORIZONTAL CLEARANCE BETWEEN THE PROPOSED CONDUITS AND EXISTING UTILITIES INSTALLED PARALLEL TO THE PROPOSED CONDUITS SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRIC SAFETY CODE (NESC)UNLESS OTHERWISE NOTED.
3. ALL WORK SHALL BE DONE IN A MANNER ACCEPTABLE TO DOMINON ENERGY AND INSPECTED BY DOMINION ENERGY'S CONDUIT DEPARTMENT.CALL DOMINON ENERGY 48 HOURS IN ADVANCE TO ARRANGE INSPECTION.
4. CONTRACTOR SHALL HAVE ALL UNDERGROUND UTILITIES MARKED PRIOR TO CONSTRUCTION.ANY DIFFERENCES BETWEEN THIS PLAN AND THE UTILITIES MARKED SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND DOMINION ENERGY.
5. ALL WORK SHALL BE DONE IN CONFORMANCE WITH DOMINION ENERGY AND CITY OF FAIRFAX STANDARDS AND SPECIFICATIONS.
6. ALL EXISTING POLES ARE TO BE SUPPORTED IF REQUIRED DURING CONSTRUCTION AS NECESSARY SO THAT EXISTING SERVICE IS NOT INTERRUPTED.
7. ANY SERVICE OUTAGES REQUIRED DUE TO CONSTRUCTION ARE TO BE COORDINATED WITH DOMINION ENERGY PRIOR TO THE START OF CONSTRUCTION.
8. CONTRACTOR TO COORDINATE LIMITS OF PAVEMENT RESTORATION (IF ANY)WITH JURISDICTION HAVING AUTHORITY.

MANHOLE BUTTERFLY

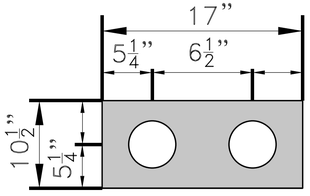


DUCT BANK FORMATION DETAILS

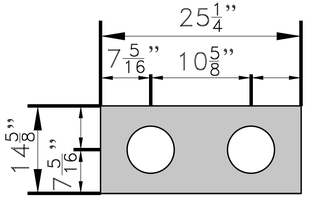
CE = CONCRETE ENCASED
NOT DRAWN TO SCALE

2 DUCTS STANDARD

2-4" CE PVC (2WX1H)
(NOT TO SCALE)

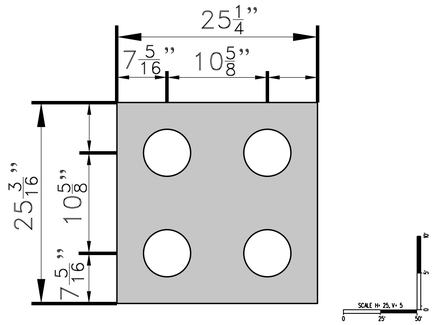


2-8" CE PVC (2WX1H)
(NOT TO SCALE)



4 DUCTS STANDARD

4-8" CE PVC (2WX2H)
(NOT TO SCALE)



CONDUIT LEGEND

DOMINION CONDUITS
COMM CONDUITS

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	24(2)

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Mark Gunn
2025.12.11 22:36:06 -05'00'
Rinker Design Assoc. LLC
Manassas, Virginia
UTILITY ENGINEER

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PROJECT	SHEET NO.
U000-154-R94	24(2)

12/10/2025

TREE PRESERVATION PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(11)

Wetland Studies and Solutions, Inc. — a DAVEY company
5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlands.com

CARY HULSE
ISA# PD-1080A
CERTIFIED ARBORIST
32475.01
Wetland Studies and Solutions, Inc. — a DAVEY company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

TREE PRESERVATION LEGEND

- EXISTING TREE TO REMAIN WITH CRITICAL ROOT ZONE (CRZ) & STRUCTURAL CRITICAL ROOT ZONE (SRZ)
- EXISTING TREE TO BE REMOVED
- PROPOSED LIMITS OF DISTURBANCE (LOD)
- PROPOSED SILT FENCE (SEE E&S SHEETS)
- PROPOSED FILTER SOCK (SEE E&S SHEETS)
- TPF — PROPOSED TREE PROTECTION FENCE (SEE DETAIL & SPECIFICATIONS)
- RP — PROPOSED ROOT PRUNING (SEE DETAIL & SPECIFICATIONS)
- SPECIAL ARBORIST TREATMENT AREAS. BY-HAND WORK & ARBORIST OVERSIGHT REQUIRED. SEE SPECIFICATIONS SHEET 00(13)
- PROPOSED GRADE LIMITS (CUT AREAS)
- PROPOSED GRADE LIMITS (FILL AREAS)

TREE PRESERVATION PRIORITY

- HIGH PRIORITY FOR PRESERVATION
- MODERATE PRIORITY FOR PRESERVATION
- LOW PRIORITY FOR PRESERVATION
- TREES NOT RECOMMENDED FOR PRESERVATION

NOTE: MAXIMIZE FENCED TREE PROTECTION AREAS WHEREVER POSSIBLE. SOIL COMPACTION AND ROOT DAMAGE/DISTURBANCE WITHIN STRUCTURAL ROOT ZONES (SRZ) MUST BE AVOIDED

SCALE
0 25' 50'

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

PROJECT	SHEET NO.
U000-151-R94	025(11)

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

L:\32000s\32400\32475.01\CADD\05-ENVR\32475.01_OldLeeHwy_TREES.dwg | Plotted By: Cary Hulse, 5/14/2025 10:07 AM

TREE PRESERVATION PLAN

Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlands.com

INTERNATIONAL SOCIETY OF ARBORICULTURE
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ALL WORK MUST BE DONE UNDER ARBORIST SUPERVISION.
ALL EXCAVATION SHALL BE DONE BY HAND TO AVOID ROOT DAMAGE.
COMPACTION SHALL BE MINIMIZED.

FILTER SOCK SHOUDL BE USED FOR EROSION CONTROL IN THIS AREA TO LIMIT DAMAGE TO TREES

Existing Trees not to be Impacted

MATCHLINE SHEET 000(1)

MATCHLINE SHEET 000(3)

TREE PRESERVATION LEGEND

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- EXISTING TREE TO BE REMOVED
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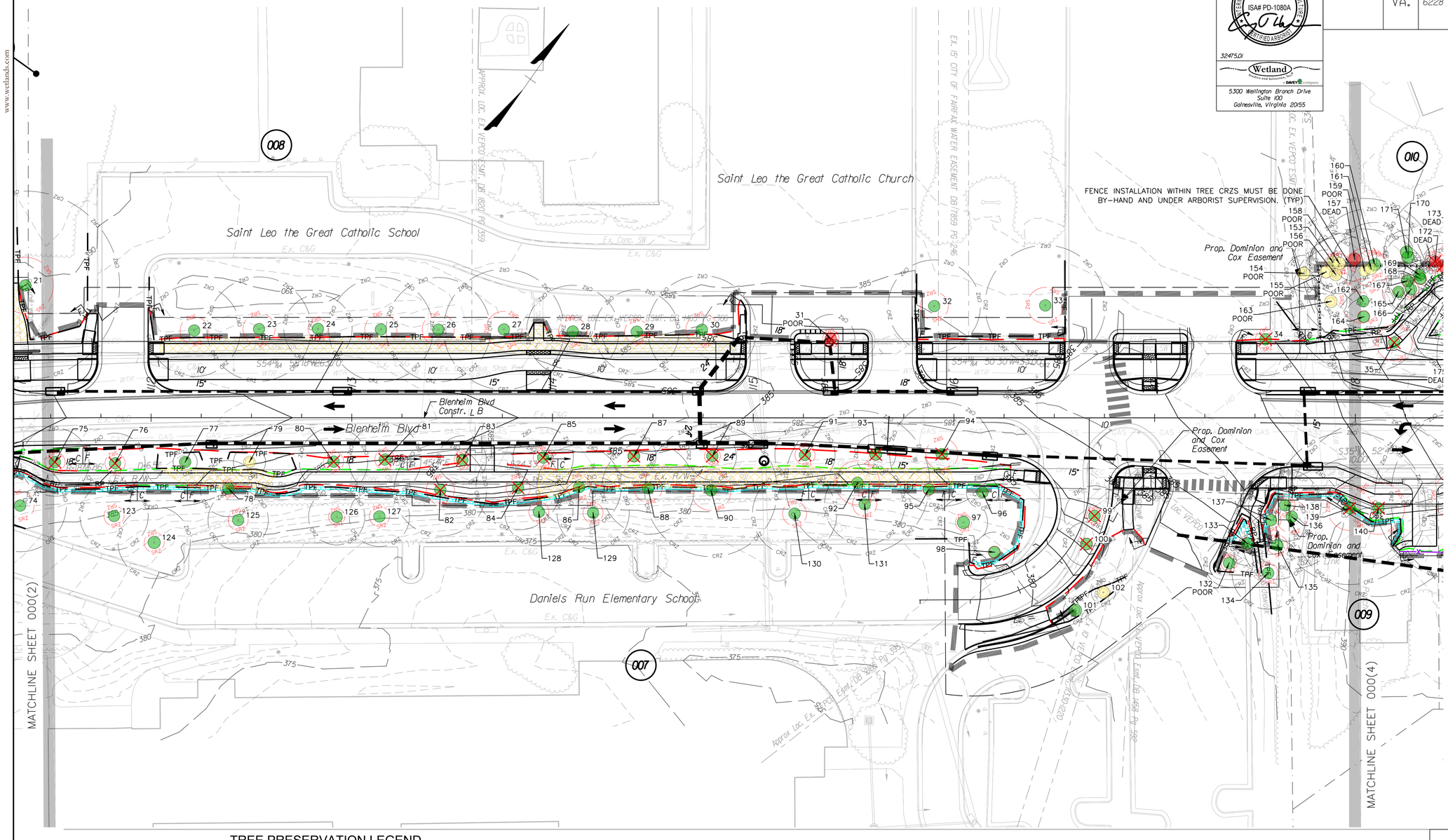
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Gainesville, Virginia 20155

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(3)



TREE PRESERVATION LEGEND

EXISTING TREE TO REMAIN WITH CRITICAL ROOT ZONE (CRZ) & STRUCTURAL CRITICAL ROOT ZONE (SRZ)

EXISTING TREE TO BE REMOVED

PROPOSED LIMITS OF DISTURBANCE (LOD)

PROPOSED SILT FENCE (SEE E&S SHEETS)

PROPOSED FILTER SOCK (SEE E&S SHEETS)

TPF — PROPOSED TREE PROTECTION FENCE (SEE DETAIL & SPECIFICATIONS)

RP — PROPOSED ROOT PRUNING (SEE DETAIL & SPECIFICATIONS)

SPECIAL ARBORIST TREATMENT AREAS. BY-HAND WORK & ARBORIST OVERSIGHT REQUIRED. SEE SPECIFICATIONS SHEET 00(13)

PROPOSED GRADE LIMITS (CUT AREAS)

PROPOSED GRADE LIMITS (FILL AREAS)

TREE PRESERVATION PRIORITY

- HIGH PRIORITY FOR PRESERVATION
- MODERATE PRIORITY FOR PRESERVATION
- LOW PRIORITY FOR PRESERVATION
- TREES NOT RECOMMENDED FOR PRESERVATION

NOTE: MAXIMIZE FENCED TREE PROTECTION AREAS WHEREVER POSSIBLE. SOIL COMPACTION AND ROOT DAMAGE/DISTURBANCE WITHIN STRUCTURAL ROOT ZONES (SRZ) MUST BE AVOIDED

SCALE
0 25' 50'

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

PROJECT	SHEET NO.
U000-151-R94	025(3)

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

L:\32000s\32400\32475.01\CADD\05-ENVR\32475.01_OldLeeHwy_TREES.dwg 3 Plotted By: Cary Hulse, 5/14/2025 10:07 AM

TREE PRESERVATION PLAN

Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlands.com

CARY HULSE
ISA# PD-1080A
CERTIFIED ARBORIST
INTERNATIONAL SOCIETY OF ARBORICULTURE
32475DI
Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(4)

Spring Lake Ter.

Approx Loc C/L VEPCO Esmt DB 1275 Pg 90

Old Post Rd.

Blenheim Blvd

Blenheim Blvd Constr. L.B.

Colony Rd.

Prop. 5' Board Fence Req'd. See Sheet 2A(4) for Details

ARBORIST OVERSIGHT REQUIRED. MAXIMIZE PROTECTION AREA IF POSSIBLE.

MATCHLINE SHEET 000(3)

MATCHLINE SHEET 000(5)

009 010 011 012 013 014 015 016 017 018 019 020 021 022

TREE PRESERVATION LEGEND

EXISTING TREE TO REMAIN WITH CRITICAL ROOT ZONE (CRZ) & STRUCTURAL CRITICAL ROOT ZONE (SRZ)

EXISTING TREE TO BE REMOVED

PROPOSED LIMITS OF DISTURBANCE (LOD)

PROPOSED SILT FENCE (SEE E&S SHEETS)

PROPOSED FILTER SOCK (SEE E&S SHEETS)

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SPECIAL ARBORIST TREATMENT AREAS. BY-HAND WORK & ARBORIST OVERSIGHT REQUIRED. SEE SPECIFICATIONS SHEET 00(13)

PROPOSED GRADE LIMITS (CUT AREAS)

PROPOSED GRADE LIMITS (FILL AREAS)

TREE PRESERVATION PRIORITY

- HIGH PRIORITY FOR PRESERVATION
- MODERATE PRIORITY FOR PRESERVATION
- LOW PRIORITY FOR PRESERVATION
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NOTE: MAXIMIZE FENCED TREE PROTECTION AREAS WHEREVER POSSIBLE. SOIL COMPACTION AND ROOT DAMAGE/DISTURBANCE WITHIN STRUCTURAL ROOT ZONES (SRZ) MUST BE AVOIDED

SCALE 0 25' 50'

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

PROJECT	SHEET NO.
U000-151-R94	025(4)

FINAL PLANS

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TREE PRESERVATION PLAN

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Gainesville, Virginia 20155
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www.wetlands.com

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(5)

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CARY HULSE
ISA# PD-1080A
CERTIFIED ARBORIST

32475.01

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ARBORIST OVERSIGHT REQUIRED. MAXIMIZE PROTECTION AREA IF POSSIBLE.

Existing Fence not to be impacted.

1st. Fence Within Right of Way to be Removed

Approximate Location VEPCO Easement DB 2275 Pg 494

Ex 15' Verizon Esmt DB 2036 / 313

Power Esmt DB 693 / 228

Blenheim Blvd Constr. L B

Blenheim Blvd

Heritage Ln.

Parkridge Rd.

MATCHLINE SHEET 000(4)

MATCHLINE SHEET 000(6)

TREE PRESERVATION LEGEND

- EXISTING TREE TO REMAIN WITH CRITICAL ROOT ZONE (CRZ) & STRUCTURAL CRITICAL ROOT ZONE (SRZ)
- EXISTING TREE TO BE REMOVED
- PROPOSED LIMITS OF DISTURBANCE (LOD)
- PROPOSED SILT FENCE (SEE E&S SHEETS)
- PROPOSED FILTER SOCK (SEE E&S SHEETS)
- TPF — PROPOSED TREE PROTECTION FENCE (SEE DETAIL & SPECIFICATIONS)
- RP — PROPOSED ROOT PRUNING (SEE DETAIL & SPECIFICATIONS)
- SPECIAL ARBORIST TREATMENT AREAS. BY-HAND WORK & ARBORIST OVERSIGHT REQUIRED. SEE SPECIFICATIONS SHEET 00(13)
- PROPOSED GRADE LIMITS (CUT AREAS)
- PROPOSED GRADE LIMITS (FILL AREAS)

TREE PRESERVATION PRIORITY

- HIGH PRIORITY FOR PRESERVATION
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- LOW PRIORITY FOR PRESERVATION
- TREES NOT RECOMMENDED FOR PRESERVATION

NOTE: MAXIMIZE FENCED TREE PROTECTION AREAS WHEREVER POSSIBLE. SOIL COMPACTION AND ROOT DAMAGE/DISTURBANCE WITHIN STRUCTURAL ROOT ZONES (SRZ) MUST BE AVOIDED

SCALE 0 25' 50'

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

PROJECT	SHEET NO.
U000-151-R94	025(5)

FINAL PLANS

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TREE PRESERVATION PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(6)

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Boxford Ct.

Brookwood Dr.

Blenheim Blvd

Blenheim Blvd Constr. I 6

Approx Loc. VEPCO Esmt. DB 1275 Pg 90

10' Storm Drainage Esmt. DB 1213 Pg 330

Ex. R/W

Timber Ret. Wall w/Metal Handrail

Brick Deck

Deck Stairs

Prop. Gate. See Sheet 2A(4) for Details

Ex. Old Blanket Esmt. DB 1170 Pg 340

Ex. VEPCO Esmt. DB 1424 Pg 337

Prop. Retaining Wall "B3"

Prop. Retaining Wall "B2"

Prop. Retaining Wall "B1"

Ex. Conc. SW

Ex. MLSA

Gravel Shoulder

Conc. Sidewalk

Conc. Eqt.

Ex. 15' C&P TELEPHONE ESM.

FENCE INSTALLATION WITHIN TREE CRZS MUST BE DONE BY HAND AND UNDER ARBORIST SUPERVISION. (TYP.)

ARBORIST OVERSIGHT REQUIRED. MAXIMIZE PROTECTION AREA IF POSSIBLE.

MATCHLINE SHEET 000(5)

MATCHLINE SHEET 000(7)

031 033 034 035 036 037 038 039 040 041 042 032

TREE PRESERVATION LEGEND

EXISTING TREE TO REMAIN WITH CRITICAL ROOT ZONE (CRZ) & STRUCTURAL CRITICAL ROOT ZONE (SRZ)

EXISTING TREE TO BE REMOVED

PROPOSED LIMITS OF DISTURBANCE (LOD)

PROPOSED SILT FENCE (SEE E&S SHEETS)

PROPOSED FILTER SOCK (SEE E&S SHEETS)

TPF — PROPOSED TREE PROTECTION FENCE (SEE DETAIL & SPECIFICATIONS)

RP — PROPOSED ROOT PRUNING (SEE DETAIL & SPECIFICATIONS)

SPECIAL ARBORIST TREATMENT AREAS. BY-HAND WORK & ARBORIST OVERSIGHT REQUIRED. SEE SPECIFICATIONS SHEET 00(13)

PROPOSED GRADE LIMITS (CUT AREAS)

PROPOSED GRADE LIMITS (FILL AREAS)

TREE PRESERVATION PRIORITY

- HIGH PRIORITY FOR PRESERVATION
- MODERATE PRIORITY FOR PRESERVATION
- LOW PRIORITY FOR PRESERVATION
- TREES NOT RECOMMENDED FOR PRESERVATION

NOTE: MAXIMIZE FENCED TREE PROTECTION AREAS WHEREVER POSSIBLE. SOIL COMPACTION AND ROOT DAMAGE/DISTURBANCE WITHIN STRUCTURAL ROOT ZONES (SRZ) MUST BE AVOIDED

SCALE 0 25' 50'

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

PROJECT	SHEET NO.
U000-151-R94	025(6)

FINAL PLANS

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TREE PRESERVATION PLAN

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ISA# PD-1080A
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(7)

TREE #480 SHALL NOT BE REMOVED UNTIL AUTHORIZED BY THE CITY ENGINEER

ARBORIST OVERSIGHT REQUIRED. MAXIMIZE PROTECTION AREA IF POSSIBLE.

Reset Exist. Fence In Place

Ex. R/W

Ex. C&P Blanket Esmt DB 1170-Pg 340

Ex. VEPCO Esmt DB 1174 Pg 337

Prop. Dominion and Cox Edsement

Blenheim Blvd

Blenheim Blvd Constr. L B

Flashing Sign

Country Hill Dr.

Country Hill Dr. LT Constr. B

Queen Anne Dr.

Queen Anne Dr. Constr. B

MATCHLINE SHEET 000(6)

MATCHLINE SHEET 000(8)

042 043 044 045 046 047 048 049 050 051

TREE PRESERVATION LEGEND

- EXISTING TREE TO REMAIN WITH CRITICAL ROOT ZONE (CRZ) & STRUCTURAL CRITICAL ROOT ZONE (SRZ)
- EXISTING TREE TO BE REMOVED
- PROPOSED LIMITS OF DISTURBANCE (LOD)
- PROPOSED SILT FENCE (SEE E&S SHEETS)
- PROPOSED FILTER SOCK (SEE E&S SHEETS)
- TPF — PROPOSED TREE PROTECTION FENCE (SEE DETAIL & SPECIFICATIONS)
- RP — PROPOSED ROOT PRUNING (SEE DETAIL & SPECIFICATIONS)
- SPECIAL ARBORIST TREATMENT AREAS. BY-HAND WORK & ARBORIST OVERSIGHT REQUIRED. SEE SPECIFICATIONS SHEET 00(13)
- PROPOSED GRADE LIMITS (CUT AREAS)
- PROPOSED GRADE LIMITS (FILL AREAS)

TREE PRESERVATION PRIORITY

- HIGH PRIORITY FOR PRESERVATION
- MODERATE PRIORITY FOR PRESERVATION
- LOW PRIORITY FOR PRESERVATION
- TREES NOT RECOMMENDED FOR PRESERVATION

NOTE: MAXIMIZE FENCED TREE PROTECTION AREAS WHEREVER POSSIBLE. SOIL COMPACTION AND ROOT DAMAGE/DISTURBANCE WITHIN STRUCTURAL ROOT ZONES (SRZ) MUST BE AVOIDED

SCALE 0 25' 50'

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

PROJECT	SHEET NO.
U000-151-R94	025(7)

FINAL PLANS

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TREE PRESERVATION PLAN

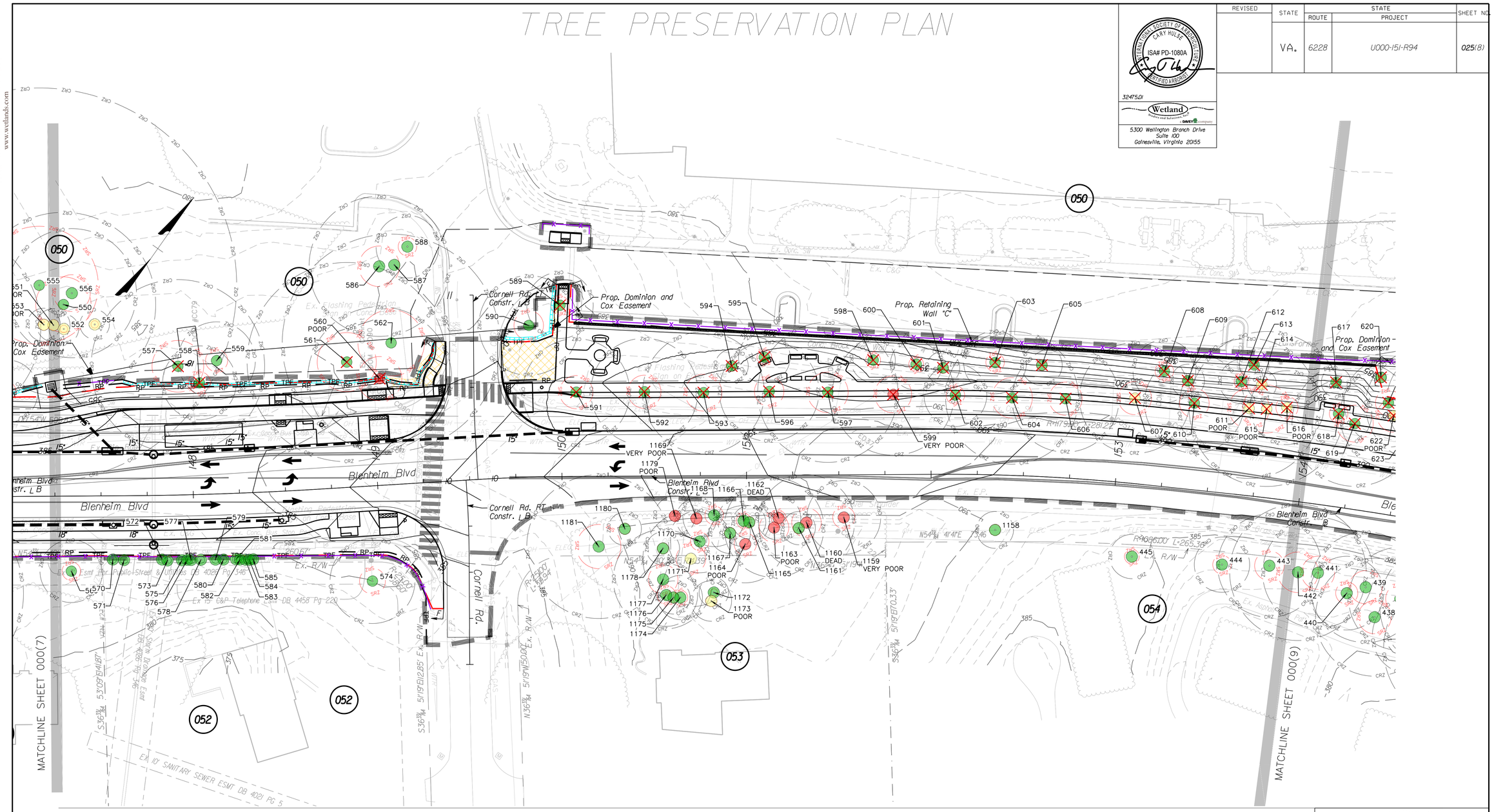
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Gainesville, Virginia 20155
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www.wetlands.com

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(8)

INTERNATIONAL SOCIETY OF ARBORICULTURE — CARY HULSE — ISA# PD-1080A — CERTIFIED ARBORIST

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Blenheim Blvd
Cornell Rd. RT Constr. L.B.
Cornell Rd.
Prop. Dominion and Cox Easement
Prop. Retaining Wall "C"
MATCHLINE SHEET 000(7)
MATCHLINE SHEET 000(9)
050
052
053
054
Ex. 15' C&P Telephone Esmt DB 4458 Pg 220
Ex. 10' SANITARY SEWER ESMT DB 4021 PG 5
Ex. Asphalt Path
Ex. Flashing Pedestrian Crossing Sign on Pole
Ex. Concrete Sidewalk
Ex. Curb & Gutter
Ex. Storm Drain Manhole
Ex. Storm Drain Inlet
Ex. Fire Hydrant
Ex. Utility Pole
Ex. Overhead Utility Lines
Ex. Underground Utility Lines
Ex. Gas Line
Ex. Water Line
Ex. Fiber Optic Line
Ex. Underground Telephone Line
Ex. Underground Electric Line
Ex. Underground Cable TV Line
Ex. Underground Storm Drain Line
Ex. Underground Sanitary Sewer Line
Ex. Underground Gas Line
Ex. Underground Water Line
Ex. Underground

TREE PRESERVATION PLAN

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(9)

INTERNATIONAL SOCIETY OF ARBORICULTURE
CARY HULSE
ISA# PD-1080A
CERTIFIED ARBORIST
32475.01
Wetland Studies and Solutions, Inc. a DAVEY company
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Suite 100
Gainesville, Virginia 20155

MATCHLINE SHEET 000(8)

MATCHLINE SHEET 000(10)

050 055 056 057 054

Ex. C&G

Ex. 6' Board Fence

Ex. Asphalt Cart Path

Ex. Grass Shoulder

Ex. R/W

Lion Run

Prop. Dominion and Cox Easement

Blenheim Blvd

Blenheim Blvd Constr. ℄

Lion Run Constr. ℄

DOM ED58

COST ED3

N68°45'W 273.45'

ARBOR
MAXIMIZE PROTE

TREE PRESERVATION LEGEND

EXISTING TREE TO REMAIN WITH CRITICAL ROOT ZONE (CRZ) & STRUCTURAL CRITICAL ROOT ZONE (SRZ)

EXISTING TREE TO BE REMOVED

PROPOSED LIMITS OF DISTURBANCE (LOD)

PROPOSED SILT FENCE (SEE E&S SHEETS)

PROPOSED FILTER SOCK (SEE E&S SHEETS)

TPF — PROPOSED TREE PROTECTION FENCE (SEE DETAIL & SPECIFICATIONS)

RP — PROPOSED ROOT PRUNING (SEE DETAIL & SPECIFICATIONS)

SPECIAL ARBORIST TREATMENT AREAS. BY-HAND WORK & ARBORIST OVERSIGHT REQUIRED. SEE SPECIFICATIONS SHEET 00(13)

PROPOSED GRADE LIMITS (CUT AREAS)

PROPOSED GRADE LIMITS (FILL AREAS)

TREE PRESERVATION PRIORITY

- HIGH PRIORITY FOR PRESERVATION
- MODERATE PRIORITY FOR PRESERVATION
- LOW PRIORITY FOR PRESERVATION
- TREES NOT RECOMMENDED FOR PRESERVATION

NOTE: MAXIMIZE FENCED TREE PROTECTION AREAS WHEREVER POSSIBLE. SOIL COMPACTION AND ROOT DAMAGE/DISTURBANCE WITHIN STRUCTURAL ROOT ZONES (SRZ) MUST BE AVOIDED

SCALE
0 25' 50'

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

PROJECT	SHEET NO.
U000-151-R94	025(9)

FINAL PLANS

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TREE PRESERVATION PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(10)

CERTIFIED ARBORIST
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ISA# PD-1080A
32475DI
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MATCHLINE SHEET 000(9)

MATCHLINE SHEET 000(11)

ARBORIST OVERSIGHT REQUIRED. MAXIMIZE PROTECTION AREA IF POSSIBLE.

ARBORIST OVERSIGHT REQUIRED MAXIMIZE PROTECTION AREA IF POSSIBLE

Blenheim Blvd Constr. ℄

Great Oaks Dr. SB Constr. ℄

Great Oaks Dr. NB Constr. ℄

Prop. Retaining Wall 'B'

Prop. Dominion and Easement

See Bus Stop Detail 6 on Sheet IH(44)

Reset Exist. Fence In place

Ex. Asphalt Cart Path

10' Verizon Esmt DB 2355 PG 1

VEPCO Esmt DB 6228 Pg 003

Ingress, Egress & Utility Esmt DB 3927 Pg 519

Great Oaks Drive Private Street

Reference Line of Curb of Great Oaks Drive

Approx. 64' E/O DB 3988 PG 1

Ex. 6' Chain Link Fence

TREE PRESERVATION LEGEND

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- EXISTING TREE TO BE REMOVED
- PROPOSED LIMITS OF DISTURBANCE (LOD)
- PROPOSED SILT FENCE (SEE E&S SHEETS)
- PROPOSED FILTER SOCK (SEE E&S SHEETS)
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- PROPOSED GRADE LIMITS (CUT AREAS)
- PROPOSED GRADE LIMITS (FILL AREAS)

TREE PRESERVATION PRIORITY

- HIGH PRIORITY FOR PRESERVATION
- MODERATE PRIORITY FOR PRESERVATION
- LOW PRIORITY FOR PRESERVATION
- TREES NOT RECOMMENDED FOR PRESERVATION

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SCALE 0 25' 50'

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

PROJECT	SHEET NO.
U000-151-R94	025(10)

FINAL PLANS

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TREE PRESERVATION PLAN

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(111)

INTERNATIONAL SOCIETY OF ARBORICULTURE
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CERTIFIED ARBORIST
32475.01

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Gainesville, Virginia 20155

ARBORIST OVERSIGHT REQUIRED.
MAXIMIZE PROTECTION AREA IF POSSIBLE.
ALL DISTURBANCE MUST REMAIN OUTSIDE SRZ.
IF SRZ DISTURBANCE CANNOT BE AVOIDED,
THIS TREE MUST BE REMOVED.

Blenheim Blvd
Blenheim Blvd Constr., B
Prop. Retaining Wall "B"
Prop. Retaining Wall Easement
Prop. Verizon, Dominion, and Cox Easement
Prop. Dominion and Cox Easement
Prop. Retaining Wall "E"
Ex. Verizon Easement
Ex Private Use And Enjoyment Easement DB 09812 PG 0041
Ex Retaining Wall Easement DB
Ex Private Storm Drain Easement DB 20875 PG 39
Ex. 10' WLC Easement DB 13871 PG 1216
Ex. Telephone Pedestal
Ex. Fence
Ex. Conc.
Ex. Gas Valve
Ex. Water Valve
Ex. Sign
Ex. Inlet
Ex. Manhole
Ex. Light Pole
Ex. Power Pole
Ex. Guy Wire
Ex. Mailbox
Ex. Hydrant
Ex. Water Meter
Ex. Gas Meter
Ex. Electric Meter
Ex. Cable Box
Ex. Gas Box
Ex. Electric Box
Ex. Cable Pedestal
Ex. Gas Pedestal
Ex. Electric Pedestal
Ex. Cable Riser
Ex. Gas Riser
Ex. Electric Riser
Ex. Cable Vault
Ex. Gas Vault
Ex. Electric Vault
Ex. Cable Manhole
Ex. Gas Manhole
Ex. Electric Manhole
Ex. Cable Handhole
Ex. Gas Handhole
Ex. Electric Handhole
Ex. Cable Transformer
Ex. Gas Transformer
Ex. Electric Transformer
Ex. Cable Switch
Ex. Gas Switch
Ex. Electric Switch
Ex. Cable Fuse
Ex. Gas Fuse
Ex. Electric Fuse
Ex. Cable

TREE PRESERVATION PLAN

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(12)

End Project
Proj. No. U000-151-R94, RW-2
Sta. 178+68.93

End Project/ End Con
Proj. No. U000-151-R9
Sta.

ARBORIST OVERSIGHT REQUIRED.
MAXIMIZE PROTECTION AREA IF POSSIBLE.

Replace Exist. Entrance Apron

Ridge Ave. Constr. L B

Blenheim Blvd Constr. L B

MATCHLINE SHEET 000(11)

TREE PRESERVATION LEGEND

EXISTING TREE TO REMAIN WITH CRITICAL ROOT ZONE (CRZ) & STRUCTURAL CRITICAL ROOT ZONE (SRZ)

EXISTING TREE TO BE REMOVED

PROPOSED LIMITS OF DISTURBANCE (LOD)

PROPOSED SILT FENCE (SEE E&S SHEETS)

PROPOSED FILTER SOCK (SEE E&S SHEETS)

TPF — PROPOSED TREE PROTECTION FENCE (SEE DETAIL & SPECIFICATIONS)

RP — PROPOSED ROOT PRUNING (SEE DETAIL & SPECIFICATIONS)

SPECIAL ARBORIST TREATMENT AREAS. BY-HAND WORK & ARBORIST OVERSIGHT REQUIRED. SEE SPECIFICATIONS SHEET 00(13)

PROPOSED GRADE LIMITS (CUT AREAS)

PROPOSED GRADE LIMITS (FILL AREAS)

TREE PRESERVATION PRIORITY

- HIGH PRIORITY FOR PRESERVATION
- MODERATE PRIORITY FOR PRESERVATION
- LOW PRIORITY FOR PRESERVATION
- TREES NOT RECOMMENDED FOR PRESERVATION

NOTE: MAXIMIZE FENCED TREE PROTECTION AREAS WHEREVER POSSIBLE. SOIL COMPACTION AND ROOT DAMAGE/DISTURBANCE WITHIN STRUCTURAL ROOT ZONES (SRZ) MUST BE AVOIDED

SCALE
0 25' 50'

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

PROJECT	SHEET NO.
U000-151-R94	025(12)

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

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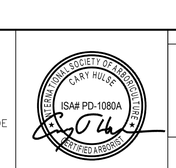
TREE PRESERVATION NOTES

Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlands.com

TREE PRESERVATION SPECIFICATIONS AND NARRATIVE

1. GENERAL
   - 1.1. REFER TO THE TREE PROTECTION ACTION KEY (TPAK) FOR SPECIFIC RECOMMENDATIONS FOR EACH TREE.
   - 1.2. PRIOR TO ANY DEMOLITION OR CONSTRUCTION WORK WITHIN OR ADJACENT TO TREE PROTECTION AREAS (TPA), A PRE-CONSTRUCTION SITE WALK SHALL BE HELD TO INCLUDE THE CONTRACT ARBORIST AND PROJECT ARBORIST WITH THE CONTRACTOR, ARCHITECT, *CITY ARBORIST*, AND OWNER.
   - 1.3. SUBSTITUTIONS OR ALTERNATIVE METHODS OR MATERIALS SHALL BE REVIEWED AND APPROVED BY *CITY ARBORIST*.
   - 1.4. ALL TREE PROTECTION MEASURES MUST BE IN PLACE PRIOR TO COMMENCEMENT OF DEMOLITION, SITE CLEARING OR CONSTRUCTION AND MAINTAINED THROUGHOUT CONSTRUCTION. TREE PROTECTION MEASURES MAY ONLY BE REMOVED WITH *CITY ARBORIST* APPROVAL.
   - 1.5. ALL MEASURES WILL BE REVIEWED AFTER INSTALLATION AND APPROVED BY OWNER AND *CITY ARBORIST*.
2. REMOVAL BY ARBORIST/BY-HAND TREE REMOVAL
   - 2.1. TREES DESIGNATED FOR REMOVAL THAT ARE OUTSIDE THE PROJECT LOD OR WITHIN FENCED TREE PROTECTION AREAS SHALL BE REMOVED "BY HAND" BY A QUALIFIED ARBORIST OR UNDER DIRECT ARBORIST SUPERVISION. ALL WORK SHALL BE DONE IN A MANNER TO MINIMIZE POTENTIAL FOR DAMAGE TO REMAINING TREES AND ROOTS.
   - 2.2. CREWS SHALL BE DIRECTLY SUPERVISED BY A CERTIFIED ARBORIST.
   - 2.3. TRUCKS AND MECHANIZED EQUIPMENT SHALL NOT ENTER THE FENCED TREE PROTECTION AREAS, EXCEPT WHERE EXPLICITLY APPROVED BY THE PROJECT ARBORIST AND UTILIZING APPROVED ROOT PROTECTION DEVICE.
   - 2.4. STUMPS SHALL BE LEFT IN PLACE OR GROUND OUT AT THE OWNERS DISCRETION. STUMPS IN TURF/LANDSCAPE AREAS OR WITHIN ROOT AERATION MATTING AREAS SHALL BE GROUND.
   - 2.5. STUMP GRINDING SHALL BE DONE WITH SMALL MACHINES SPECIFICALLY DESIGNED FOR THAT PURPOSE. NO STUMPS SHALL BE EXCAVATED EXCEPT AS DESCRIBED HEREIN. STUMPS SHALL BE GROUND NOT MORE THAN 8" BELOW GRADE AND CARE MUST BE TAKEN TO MINIMIZE DAMAGE TO ROOTS OF RETAINED TREES.
3. TREE PROTECTION FENCE
   - 3.1. INSTALL AND MAINTAIN TEMPORARY TREE PROTECTION FENCE FOR EACH TREE PROTECTION AREA AS SHOWN ON THE PLAN. INSTALLATION IS TYPICALLY AFTER ROOT PRUNING AND PRIOR TO CLEARING & GRADING.
   - 3.2. FENCE SHALL BE ONE OF THE FOLLOWING: (SEE DETAIL)
     - 3.2.1. 4' HIGH, 14 GAUGE WELDED WIRE FENCE MOUNTED ON 6' STEEL "T" POSTS SPACED NOT MORE THAN 10' APART. FENCE SHALL BE ATTACHED TO POSTS USING GALVANIZED STEEL CLIPS OR ALUMINUM TIES. PLASTIC "ZIP" TIES SHALL NOT BE USED.
     - 3.2.2. 6' HIGH CHAIN LINK FENCE FABRIC MOUNTED ON 8', 1.5"ø GALVANIZED STEEL PIPE LINE POSTS. CORNER POSTS SHALL BE 2"ø. FENCE SHALL BE ATTACHED TO POSTS USING ALUMINUM TIES. PLASTIC "ZIP" TIES SHALL NOT BE USED.
     - 3.2.3. "SUPER SILT FENCE" (SILT FENCE WITH AN INCORPORATED CHAIN LINK FENCE FABRIC) INSTALLED AS SPECIFIED BY APPROPRIATE STATE OR LOCAL EROSION AND SEDIMENT CONTROL REQUIREMENTS.
   - 3.3. SILT FENCE SHALL BE COORDINATED FOR INSTALLATION TO ENHANCE PROTECTION AND AVOID UNNECESSARY ROOT CUTS BY SILT FENCE INSTALLATION.
   - 3.4. FENCE SHALL REMAIN FOR THE DURATION OF CONSTRUCTION. FENCE MAY BE REMOVED ONLY AFTER ALL CONSTRUCTION AND FINAL LANDSCAPING IS COMPLETE AND WITH *CITY ARBORIST* APPROVAL.
4. TREE PROTECTION AREA SIGNS
   - 4.1. TREE PROTECTION AREA SIGNS SHALL BE AFFIXED TO ALL TREE PROTECTION FENCE AT 30' SPACING AVERAGE.
   - 4.2. SIGNS SHALL BE BILINGUAL (ENGLISH AND SPANISH).
   - 4.3. SIGNS SHALL NOT BE AFFIXED DIRECTLY TO TREES. SEE DETAIL.
   - 4.4. SIGN MATERIAL SHALL BE WATERPROOF, HEAVY VINYL OR SIMILAR.
   - 4.5. SIGNS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
5. ROOT PRUNE
   - 5.1. THE EXACT LOCATION AND DEPTH WILL BE DETERMINED DURING THE PRE-CONSTRUCTION MEETING. SPECIFIC EQUIPMENT & METHODS WILL BE DETERMINED BY PROJECT ARBORIST AND *CITY ARBORIST* BASED UPON DEPTH & TREE IMPACT. (SEE DETAIL)
   - 5.2. HAND PRUNE ROOTS OVER 1" DIAMETER WITHIN CRZS OF SIGNIFICANT TREES. STEEP SLOPES, DEEP EXCAVATIONS AND PAVEMENT/CURB REMOVAL WILL BE REVIEWED WHEN OPEN FOR HAND ROOT PRUNING DURING CONSTRUCTION.
   - 5.3. COORDINATE WITH SILT FENCE INSTALLATION TO MINIMIZE UNNECESSARY ROOT DAMAGE.
   - 5.4. ROOT PRUNING SHALL BE PERFORMED BY A CERTIFIED ARBORIST
6. WOOD CHIP MULCH
   - 6.1. INSTALL MULCH FOR DESIGNATED SIGNIFICANT TREES. MULCH AREA SHALL BE ONE OF THE FOLLOWING, AT THE DISCRETION OF THE CONTRACT ARBORIST AND OWNER:
     - 6.1.1. INSTALL MULCH BED RINGS. MULCH SHOULD COVER AT LEAST THE ENTIRE STRUCTURAL ROOT ZONE. LARGER MULCH BEDS ARE PREFERRED.
     - 6.1.2. PROVIDE CONTINUOUS MULCH STRIP 10' TO 15' WIDE ALONG LOD WITHIN PRESERVED CRZ AREAS.
   - 6.2. MULCH SHALL BE INSTALLED TO A DEPTH OF 4". TOTAL MULCH DEPTH SHALL NOT EXCEED 4" SHOULD EXISTING MULCH BE PRESENT.
   - 6.3. MULCH SHALL BE DOUBLE GROUND SHREDDED HARDWOOD, AGED FOR AT LEAST 6 MONTHS FROM AN APPROVED SOURCE. INSUFFICIENTLY OR IMPROPERLY AGED MULCH CONTAINING HIGH BACTERIAL COUNTS OR HIGH LEVELS OF BARK, WALNUT, INVASIVE SPECIES, OR OTHER MATERIALS RESISTANT TO DECOMPOSITION SHALL NOT BE USED.
   - 6.4. MULCH SHALL NOT CONTACT TRUNK OF TREES.
   - 6.5. EDGING SHALL NOT BE USED.
7. CONSTRUCTION MONITORING/INSPECTIONS
   - 7.1. A CERTIFIED ARBORIST SHALL ACTIVELY MONITOR THE SITE TO ENSURE ADHERENCE TO ALL TREE PROTECTION REQUIREMENTS.
   - 7.2. THIS WORK IS TYPICALLY PREFORMED BY THE CONTRACT ARBORIST, TO BE HIRED BY THE GENERAL CONTRACTOR OR OWNER.
   - 7.3. SCHEDULE:
     - 7.3.1. PHASE 1 (DURING INITIAL CLEARING AND INSTALLATION OF TREE PROTECTION AND PERIMETER E&S CONTROLS) INSPECTIONS SHALL BE AT LEAST WEEKLY.
     - 7.3.2. PHASE 2 (DURING ALL REMAINING SITE WORK AND UNTIL PROJECT COMPLETION) INSPECTIONS SHALL BE AT LEAST MONTHLY.
     - 7.3.3. TRANSITION FROM WEEKLY TO MONTHLY SCHEDULE SHALL REQUIRE OWNER AND *CITY ARBORIST* APPROVAL.
   - 7.4. REPORTS SHALL BE PROVIDED TO THE OWNER AND *CITY ARBORIST*. REPORTS SHALL DOCUMENT CONDITION OF TREE PROTECTION DEVICES AND PROVIDE RECOMMENDATIONS FOR MAINTENANCE AND/OR ADDITIONAL CARE.
   - 7.5. ADDITIONAL ARBORIST INSPECTIONS AND/OR DIRECT ARBORIST OVERSIGHT OF CRITICAL TREE PRESERVATION ACTIVITIES, TREE PRUNING, TREE REMOVAL, OR OTHER SENSITIVE ACTIVITIES MAY BE REQUIRED. WEEKLY INSPECTIONS DO NOT SATISFY THE NEED FOR DIRECT ARBORIST OVERSIGHT THAT MAY BE REQUIRED FOR SPECIFIC ACTIVITIES.
8. MISCELLANEOUS TREE PROTECTION REQUIREMENTS
   - 8.1. NO TOXIC MATERIALS SHALL BE STORED WITHIN 100' OF TREE PROTECTION AREAS.
   - 8.2. ALL WORK IN OR NEAR TREE PROTECTION AREAS SHALL BE PERFORMED IN A MANNER TO MINIMIZE DAMAGE TO TREES, SHRUBS, GROUND COVER, SOIL AND ROOT SYSTEMS.
   - 8.3. MECHANIZED EQUIPMENT SHALL NOT BE PERMITTED TO ENTER ANY TREE PROTECTION AREAS WITHOUT EXPLICIT APPROVAL BY THE PROJECT ARBORIST AND *CITY ARBORIST*, AND WITH ADEQUATE APPROVED ROOT PROTECTION DEVICES.
9. CANOPY PRUNING & SUPPORT CABLES
   - 9.1. CANOPY PRUNING SHALL BE CLEANING PRUNING AND/OR RESTORATION PRUNING AND SHALL BE IN CONFORMANCE WITH CURRENT ANSI A300 STANDARDS AND ISA BEST MANAGEMENT PRACTICES.
   - 9.2. PRUNING SHALL REMOVE ONLY DEAD, DYING, DAMAGED OR BROKEN BRANCHES GREATER THAN 1" IN DIAMETER. PRUNING OF SMALL TREES MAY INCLUDE REMOVAL OF LIMBS TO IMPROVE STRUCTURE.
   - 9.3. FOLIAGE REMOVAL SHALL NOT BE MORE THAN 25% OF THE TOTAL LIVE CANOPY VOLUME OF ANY TREE IN ANY ONE SEASON. PRUNING SHALL NOT REMOVE INTERIOR BRANCHING EXCEPT AS OTHERWISE STATED.
   - 9.4. PRUNING FOR SPECIFIC CLEARANCE (FOR CONSTRUCTION ACCESS OR PROPOSED IMPROVEMENTS) SHALL BE REVIEWED AND APPROVED BY THE OWNER AND *CITY ARBORIST*.
   - 9.5. SUPPORT CABLES SHALL BE INSTALLED IN CONFORMANCE WITH CURRENT ANSI A300 STANDARDS AND ISA BEST MANAGEMENT PRACTICES.
10. CONSTRUCTION STRATEGIES FOR TREE PROTECTION
    - 10.1. CONSTRUCTION STAGING, STOCKPILING, EQUIPMENT STORAGE, MASONRY SET-UP AND WASHOUT, ETC. SHALL BE LIMITED TO AREAS OF EXISTING PAVEMENT AND AREAS WITHIN THE LOD EXCEPT AS OTHERWISE NOTED.
    - 10.2. CONSTRUCTION EQUIPMENT ACCESS BETWEEN VARIOUS WORK AREAS SHALL REMAIN ON EXISTING PAVEMENT/IMPROVED SURFACES TO THE GREATEST EXTENT POSSIBLE. WHERE THIS IS NOT POSSIBLE AND WITHIN THE CRITICAL ROOT ZONE (CRZ) OF ANY TREE TO REMAIN, ACCESS SHALL BE MADE ON ROOT PROTECTION MATTING (RPM)(SEE DETAIL) OR APPROVED ALTERNATIVE. CONTRACTOR TO DETERMINE ACCESS NEEDS AND COORDINATE RPM INSTALLATION WITH THE CONTRACT ARBORIST AT THE PRE-CONSTRUCTION MEETING OR BEFORE.
    - 10.3. PROPOSED LANDSCAPE PLANTINGS WITHIN TREE PROTECTION AREAS SHALL BE INSTALLED BY HAND. MECHANIZED EQUIPMENT SHALL NOT BE USED OUTSIDE THE LOD OR OFF OF EXISTING PAVED AREAS TO EXCAVATE FOR PLANTINGS OR FOR STAGING PLANT MATERIAL.
    - 10.4. COORDINATE PLANTING LOCATIONS WITHIN CRZS WITH THE CONTRACT ARBORIST TO AVOID UNNECESSARY ROOT DAMAGE. PLANTING PITS WITHIN CRZS SHOULD BE DUG BY HAND OR USING AIRTOOL EXCAVATION EQUIPMENT. ROOTS GREATER THAN 1" SHOULD NOT BE CUT.
11. TREE GROWTH REGULATOR (TGR)
    - 11.1. PACLOBUTRAZOL SOIL-APPLIED TREE GROWTH REGULATOR (CAMBISTAT® OR EQUIVALENT) SHALL BE APPLIED TO INDICATED TREES. APPLICATIONS SHALL FOLLOW MANUFACTURER'S LABEL AND APPLICABLE LAWS.
    - 11.2. TGR REDUCES CANOPY GROWTH WHICH CAN INCREASE FIBROUS ROOT SYSTEM GROWTH OVER 2-3 YEARS. THIS CAN INCREASE TOLERANCE TO DROUGHT STRESS AND IMPROVE ABSORPTION OF NUTRIENTS AND MOISTURE DURING THE STRESS RECOVERY PERIOD.
12. TREE TRUNK PROTECTION WRAP
    - 12.1. TRUNKS OF TREES IN CLOSE PROXIMITY TO CONSTRUCTION SHALL BE PROTECTED WITH A SINGLE WRAP OF GEOCOMPOSITE. GEOCOMPOSITE SHALL BE DOUBLE SIDED, GEONET CORE WITH NON-WOVEN COVERING (SUCH AS TENSAR ROADRAIN RD7) OR EQUIVALENT.
    - 12.2. WRAP SHALL BE NOT LESS THAN 10' HIGH ON TRUNK OR UP TO THE LOWEST LIMB (WHICHEVER IS LESS). EXPOSED ROOT FLARE SHALL ALSO BE FULLY COVERED.
    - 12.3. WRAP SHALL BE TIED WITH ROPE OR WIRE. TIE MATERIAL SHALL NOT CONTACT TRUNK.
    - 12.4. WRAP SHALL BE REMOVED PROMPTLY AFTER CONSTRUCTION.
13. PUBLICATIONS INCLUDED BY REFERENCE

    PUBLICATIONS LISTED HEREIN ARE PART OF THIS WORK TO EXTENT REFERENCED:
    - 13.1. ANSI A300 STANDARD PRACTICES FOR TREES, SHRUBS, AND OTHER WOODY PLANT MAINTENANCE
      - 13.1.1. PART 1 -- 2017, TREE PRUNING
      - 13.1.2. PART 2 -- 2018, SOIL MANAGEMENT
      - 13.1.3. PART 3 -- 2013, SUPPLEMENTAL SUPPORT SYSTEMS
      - 13.1.4. PART 4 -- 2014, LIGHTNING PROTECTION SYSTEMS
      - 13.1.5. PART 5 -- 2019, MANAGEMENT OF TREES AND SHRUBS DURING SITE PLANNING, SITE DEVELOPMENT, AND CONSTRUCTION
      - 13.1.6. PART 6 -- 2018, PLANTING AND TRANSPLANTING
      - 13.1.7. PART 8 -- 2020, ROOT MANAGEMENT
      - 13.1.8. PART 9 -- 2017, TREE RISK ASSESSMENT
      - 13.1.9. PART 10 -- 2016, IPM
    - 13.2. ANSI Z133.1 -- 2017 AND MOST RECENT UPDATES, ARBORICULTURAL OPERATIONS -- SAFETY REQUIREMENTS
14. SPECIAL ARBORIST TREATMENT AREAS
    - 14.1. AREAS DESIGNATED FOR SPECIAL ARBORIST TREATMENT ARE AREAS WITHIN THE GENERAL CONTRACTORS SCOPE OF WORK THAT REQUIRE SPECIAL EFFORTS TO MINIMIZE DAMAGE TO ROOTS OF ADJACENT TREES AND MINIMIZE SOIL COMPACTION.
    - 14.2. ALL WORK WITHIN THESE AREAS MUST BE DONE UNDER THE DIRECT SUPERVISION OF A CERTIFIED ARBORIST. THE CONTRACT ARBORIST SHALL PROVIDE A QUALIFIED ARBORIST TO OVERSEE ALL WORK. THE ARBORIST SHALL HAVE AUTHORITY TO DIRECT WORK BY OTHER CONTRACTORS/SUBS WITHIN THIS AREA. THE ARBORIST SHALL ENSURE THAT ALL WORK (DEMOLITION, CONSTRUCTION, SITE PREP, UTILITY, OR OTHER) IS DONE IN A MANNER THAT MINIMIZES SOIL COMPACTION, ROOT DAMAGE, TREE TRUNK/BRANCH DAMAGE, ETC.
    - 14.3. PRIOR TO ANY DEMOLITION OR CONSTRUCTION WORK WITHIN OR ADJACENT TO SPECIAL TREATMENT AREAS, A PRE-CONSTRUCTION SITE WALK SHALL BE HELD TO INCLUDE THE CONTRACT ARBORIST AND PROJECT ARBORIST WITH THE CONTRACTOR, ARCHITECT, *CITY ARBORIST*, AND OWNER.
    - 14.4. ALL TREE PROTECTION MEASURES WITHIN SPECIAL TREATMENT AREAS MUST BE IN PLACE PRIOR TO COMMENCEMENT OF DEMOLITION, SITE CLEARING OR CONSTRUCTION AND MAINTAINED THROUGHOUT CONSTRUCTION. TREE PROTECTION MEASURES WITHIN SPECIAL TREATMENT AREAS MAY ONLY BE REMOVED WITH *CITY ARBORIST* APPROVAL.
    - 14.5. ALL MEASURES WILL BE REVIEWED AFTER INSTALLATION AND APPROVED BY OWNER AND *CITY ARBORIST*.
    - 14.6. ALL WORK WITHIN SPECIAL TREATMENT AREAS SHALL CONFORM TO THE FOLLOWING MEASURES TO MINIMIZE COMPACTION, MINIMIZE ROOT DAMAGE/DISTURBANCE, AND SHALL BE APPLIED AS DIRECTED BY THE CONTRACT ARBORIST, PROJECT ARBORIST, AND *CITY ARBORIST*.
      - 14.6.1. SPECIAL DEMOLITION PROCEDURES
        - 14.1.1.1. DEMOLITION OF WALLS, FOOTINGS, WALKS, CURBS, AND OTHER IMPROVEMENTS OR HARDSCAPE WITHIN TREE PROTECTION AREAS (TPAS) SHALL BE PERFORMED BY THE CONTRACT ARBORIST AND DIRECTLY SUPERVISED BY A CERTIFIED ARBORIST.
        - 14.1.1.2. UTILITIES SHOULD BE ABANDONED IN PLACE WHEREVER POSSIBLE.
        - 14.1.1.3. MECHANIZED EQUIPMENT SHALL NOT ENTER THE TPAS, EXCEPT WHERE EXPLICITLY APPROVED BY THE PROJECT ARBORIST AND UTILIZING APPROVED ROOT PROTECTION DEVICE.
        - 14.1.1.4. BACKFILL OF VOIDS FROM DEMOLITION WITHIN THE TPAS SHALL BE LOOSELY PLACED TOPSOIL. ONLY THE AMOUNT OF SOIL NECESSARY TO FILL THE VOID WITHOUT SPREADING OVER EXISTING ADJACENT GRADES SHALL BE ALLOWED.
        - 14.1.1.5. ROOTS ENCOUNTERED DURING DEMOLITION SHALL BE REVIEWED ON A CASE-BY-CASE BASIS BY THE CONTRACT ARBORIST. THE ARBORIST SHALL PROVIDE APPROPRIATE TREATMENT OR PRUNING METHODS AS NEEDED AND IN GENERAL CONFORMANCE WITH ACCEPTED INDUSTRY STANDARDS AND THIS SECTION.
      - 14.1.2. EXCAVATION WITHIN CRZS
        - 14.1.2.1. EXCAVATION FOR PROPOSED GRADE CUTS, UTILITIES, DRAINAGE PLUMBING, LIGHTING CONDUITS, HARDSCAPE, IRRIGATION, OR OTHER IMPROVEMENTS WITHIN TREE PROTECTION AREAS (TPAS) SHALL BE EXCAVATED BY HAND OR BY SUPERSONIC AIRTOOL (SSAT) TO MINIMIZE DAMAGE TO ROOT SYSTEMS.
        - 14.1.2.2. OWNER, CONTRACTOR, CONTRACT ARBORIST, AND *CITY ARBORIST* SHALL REVIEW THE PROPOSED LOCATION(S) DURING THE PRE-CONSTRUCTION MEETING.
        - 14.1.2.3. PRE-WATERING OF THE PROPOSED AREAS OF EXCAVATION DURING SUMMER AND FALL MONTHS IS RECOMMENDED TO MAINTAIN ROOT / SOIL MOISTURE.
        - 14.1.2.4. THE CONTRACT ARBORIST SHALL PROVIDE A QUALIFIED ARBORIST CREW EXPERIENCED WITH SUCH WORK TO PROTECT ADJACENT TREES, OPEN THE EXCAVATION, HAND PRUNE MINOR ROOTS, AND IDENTIFY AND PROTECT PRIORITY ROOTS TO REMAIN. COORDINATION WITH THE APPROPRIATE SUB-CONTRACTOR SHALL BE MADE TO DETERMINE APPROPRIATE WIDTH, DEPTH & SEQUENCING, UTILITY INSTALLATION, BACKFILL, COMPLETION, AND COVER.
        - 14.1.2.5. ALL WORK WITHIN TPAS SHALL BE DIRECTLY SUPERVISED BY A CERTIFIED ARBORIST.
        - 14.1.2.6. COMPACTION OF EXISTING SOILS SHALL BE MINIMIZED.
      - 14.1.3. GRADE FILL PLACEMENT WITHIN CRZS
        - 14.1.3.1. PROPOSED GRADE FILL WITHIN PROTECTED TREE CRZS SHALL UTILIZE A WELL DRAINED SOIL MATERIAL WITH HIGH SAND/LOAM CONTENT AND LOW CLAY CONTENT IN ORDER TO PROMOTE DRAINAGE AND AERATION INTO EXISTING GRADE. GRADE FILL SHALL NOT EXCEED 6" DEPTH.
        - 14.1.3.2. SHOULD EXISTING SOILS WITHIN PROTECTED CRZS BE DESIGNATED AS "COMPACTED", THEN DECOMPACTION USING AN AIR-TOOL SHALL BE DONE PRIOR TO OR IN CONJUNCTION WITH FILL PLACEMENT. DEPTH OF AIR TOOL DECOMPACTION SHALL BE 12" OR UNTIL REFUSAL. PRE-WATERING DURING DROUGHT TIMES IS REQUIRED.
        - 14.1.3.3. PLACEMENT OF FILL SHALL NOT FURTHER COMPACT EXISTING SOIL. USE OF RUBBER TRACKED, LOW-PSI EQUIPMENT IS REQUIRED, OR EQUIVALENT.
        - 14.1.3.4. GRADE FILL SHALL NOT BE PLACED TO COVER THE ROOT FLARE. USE CAUTION TO AVOID GOUGES OR SCRAPES TO TRUNK OR ROOT FLARE.
        - 14.1.3.5. WOOD CHIP MULCH SHALL BE INSTALLED AFTER FINAL GRADING.
      - 14.1.4. LANDSCAPE PLANTING EXCAVATION
        - 14.1.4.1. PROPOSED LANDSCAPE PLANTING OF B&B PLANTS WITHIN CRITICAL ROOT ZONES WITHIN TPAS SHALL BE REVIEWED BY THE CONTRACT ARBORIST, CONTRACTOR, AND *CITY ARBORIST* IN THE FIELD TO DETERMINE POTENTIAL FOR DAMAGE TO PRIORITY ROOTS SYSTEMS OF SELECT TREES AND LAYOUT THE LIMIT OF WORK.
        - 14.1.4.2. PRE-WATERING OF THE PROPOSED AREAS OF EXCAVATION DURING SUMMER AND FALL MONTHS IS RECOMMENDED TO MAINTAIN ROOT / SOIL MOISTURE.
        - 14.1.4.3. THE CONTRACT ARBORIST SHALL PROVIDE A QUALIFIED ARBORIST CREW EXPERIENCED WITH THE SSAT AND LANDSCAPE PLANTING EXCAVATION TO PROTECT ADJACENT NATURAL RESOURCES AND CONSTRUCTION WORK, OPEN THE EXCAVATION, HAND PRUNE MINOR ROOTS, AND IDENTIFY AND PROTECT PRIORITY ROOTS TO REMAIN. COORDINATION WITH THE APPROPRIATE SUB-CONTRACTOR SHALL BE MADE TO DETERMINE APPROPRIATE WIDTH, DEPTH, SEQUENCING.
        - 14.1.4.4. ALL WORK WITHIN TPAS SHALL BE DIRECTLY SUPERVISED BY A CERTIFIED ARBORIST.
        - 14.1.4.5. THE CONTRACT ARBORIST SHALL PROVIDE ADEQUATE PROTECTION FOR PEDESTRIANS, STRUCTURES, VEHICLES, ETC. DURING THIS OPERATION.
      - 14.1.5. ARBORIST OVERSIGHT
        - 14.1.5.1. THE CONTRACT ARBORIST SHALL DIRECTLY OVERSEE ANY WORK, DEMOLITION, EXCAVATION, OR CONSTRUCTION WITHIN SPECIAL TREATMENT AREAS.
        - 14.1.5.2. THE CONTRACT ARBORIST SHALL ENSURE THAT THE CREWS PERFORMING WORK WITHIN SPECIAL TREATMENT AREAS MINIMIZE SOIL COMPACTION AND AVOID ROOT DAMAGE.
        - 14.1.5.3. THE CONTRACT ARBORIST SHALL PROVIDE REGULAR PROGRESS REPORTS THE PROJECT ARBORIST, OWNER, AND *CITY ARBORIST*. WEEKLY REPORTING IS TYPICALLY ACCEPTABLE, BUT MORE FREQUENT REPORTING MAY BE REQUIRED IN AREAS OF INTENSIVE WORK OR NEAR CRITICAL TREES AS DETERMINED BY THE OWNER AND PROJECT TEAM.
        - 14.1.5.4. IN THE EVENT THAT SOIL, ROOTS, OR TREES ARE DISTURBED/DAMAGED BEYOND PLANNED, APPROVED, OR ACCEPTABLE LEVELS, THE CONTRACT ARBORIST SHALL IMMEDIATELY NOTIFY THE PROJECT ARBORIST, OWNER, AND *CITY ARBORIST* TO DETERMINE APPROPRIATE REMEDIAL/MITIGATION STRATEGIES.
        - 14.1.5.5. IF ROOTS ARE ENCOUNTERED DURING ANY WORK WITHIN THE SPECIAL TREATMENT AREAS, THE CONTRACT ARBORIST SHALL REVIEW IMMEDIATELY. ROOTS MAY BE PRUNED OR PROTECTED AT THE CONTRACT ARBORIST'S DISCRETION. ROOTS GREATER THAN 1"ø SHOULD NOT BE CUT. ALL ROOT DAMAGE/PRUNING SHALL BE DOCUMENTED WITH PHOTOS AND INCLUDED IN THE REGULAR REPORTS.
      - 14.1.6. TEMPORARY ROOT PROTECTION MATTING
        - 14.1.6.1. WHERE TEMPORARY CONSTRUCTION ACCESS IS REQUIRED WITHIN TREE PROTECTION AREAS, ROOTS AND SOILS MUST BE PROTECTED FROM DAMAGE AND SOIL COMPACTION.
        - 14.1.6.2. TEMPORARY MATTING SHALL BE USED TO PROTECT EXISTING ROOTS AND SOILS FROM PROPOSED SHORT-TERM CONSTRUCTION TRAFFIC IMPACTS.
        - 14.1.6.3. TO PREPARE SITE, REMOVE ANY DEBRIS BY HAND AND SPREAD AN EVEN LAYER OF WOOD CHIP MULCH 12" THICK OVER THE ENTIRE AREA TO RECEIVE MATTING.
        - 14.1.6.4. MATTING SHALL BE INSTALLED IN A SINGLE LAYER ON MULCH.
        - 14.1.6.5. TOPSOIL SHALL NOT BE DISTURBED OR REMOVED. NO GRUBBING, GRADING, EXCAVATION OR EQUIPMENT TRAFFIC SHALL BE ALLOWED IN THE AREA TO RECEIVE RPM. EQUIPMENT MAY TRAVEL ON RPM AFTER IT IS INSTALLED, BUT SHOULD BE MINIMIZED. TRACKED EQUIPMENT SHOULD NOT TURN ON RPM TO AVOID DAMAGE.
        - 14.1.6.6. MATTING MATERIAL (WEAR SURFACE MATERIAL TO BE APPLIED ABOVE THE WOOD CHIPS) SHALL BE TENSAR ROADRAIN RD7 OR APPROVED ALTERNATE. HEAVY TRAFFIC/EQUIPMENT WILL REQUIRE A HEAVIER/MORE SUBSTANTIAL SURFACE MATERIAL.
        - 14.1.6.7. ALTERNATIVE WEAR SURFACE MATERIALS MAY BE USED AS DETERMINED BY THE PROJECT ARBORIST AND *CITY ARBORIST*. ALTERNATIVE WEAR SURFACE MATERIALS MAY INCLUDE STEEL PLATE, TIMBER MATS, ALTURNAMATS, OR OTHERS. APPROPRIATE SURFACE MATERIAL CHOICE WILL DEPEND UPON TYPE AND DURATION OF TRAFFIC ANTICIPATED. HEAVIER TRAFFIC, LARGER EQUIPMENT, AND/OR LONGER DURATION SHALL REQUIRE A MORE SUBSTANTIAL SURFACE MATERIAL. LIGHT TRAFFIC (SUCH AS FOOT TRAFFIC OR WHEEL BARROWS) MAY USE GEOCOMPOSITE OR ¾" PLYWOOD.
        - 14.1.6.8. RPM SHALL BE INSTALLED BY A CERTIFIED ARBORIST.
        - 14.1.6.9. RPM SHALL NOT BE REMOVED OR DISTURBED BY SITE CONTRACTORS.
      - 14.1.7. EROSION CONTROL COORDINATION
        - 14.1.7.1. TRENCHING FOR CONVENTIONAL SILT FENCE CAN DAMAGE TREE ROOTS.
        - 14.1.7.2. INSTALLATION OF SILT FENCE FOR EROSION CONTROL SHALL BE COORDINATED WITH THE CONTRACT ARBORIST AND PROJECT TEAM TO PREVENT DAMAGE TO TREE ROOTS FROM TRENCHING OPERATIONS. TRENCHLESS EROSION CONTROL MEASURES (SUCH AS COMPOST FILTER SOCKS OR SIMILAR DEVICES) SHOULD BE USED IN LIEU OF OR IN COMBINATION WITH SILT FABRIC IF POSSIBLE.



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Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

DEFINITIONS

- CERTIFIED ARBORIST: CREDENTIAL OF AN INDIVIDUAL ARBORIST ISSUED AND ADMINISTERED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE. THIS CREDENTIAL MUST BE CURRENT AND VALID TO QUALIFY TO USE THE COPYRIGHTED DESIGNATION OF "CERTIFIED ARBORIST". REFER TO WWW.ISA-ARBOR.COM FOR ADDITIONAL INFORMATION.
- PROJECT ARBORIST: ARBORICULTURAL FIRM CONTRACTED TO PROVIDE CONSULTING, SITE INVESTIGATION AND DOCUMENTATION (TREE INVENTORIES, ASSESSMENTS, FOREST STAND DELINEATIONS, ETC.) AND DEVELOP TREE PRESERVATION PLANS, METHODS, DETAILS AND SPECIFICATIONS IN COLLABORATION WITH THE PROJECT DESIGN TEAM.
- CONTRACT ARBORIST: ARBORICULTURAL FIRM CONTRACTED TO IMPLEMENT THE APPROVED TREE PRESERVATION PLANS ON SITE. ALL CREWS CONDUCTING ARBORICULTURAL OPERATIONS ON SITE SHALL CONSIST OF AT LEAST ONE CERTIFIED ARBORIST WHO DIRECTLY OVERSEES ALL WORK BY THAT CREW. ARBORICULTURAL OPERATIONS INCLUDE, BUT ARE NOT LIMITED TO, PRUNING, TREE PROTECTION DEVICE INSTALLATION AND MAINTENANCE (FENCE, MATTING, ETC.), ROOT PRUNING, AIR TOOL ROOT EXCAVATION/EXPLORATION, SOIL CARE ACTIVITIES, SOIL TESTING, MULCH APPLICATION, TREE INSPECTIONS, PESTICIDE/CHEMICAL APPLICATIONS AND TREE REMOVAL.

TREE PRESERVATION NOTES:

1. TREE LOCATIONS MAY BE APPROXIMATE. OWNER AND CONTRACT ARBORIST SHALL VERIFY ALL TREE LOCATIONS AND CONDITIONS PRIOR TO CONSTRUCTION AND/OR TREATMENT OR REMOVAL.
2. PRE-CONSTRUCTION MEETING SHALL BE HELD PRIOR TO COMMENCEMENT OF DEMOLITION/CONSTRUCTION ACTIVITY. CITY ARBORIST, OWNER, DESIGN TEAM MEMBERS (PROJECT ARBORIST, LANDSCAPE ARCHITECT, ENGINEER AND ARCHITECT), CONTRACT ARBORIST, SITE AND LANDSCAPE CONTRACTORS SHALL ATTEND.
3. TREES RATED "POOR", "CRITICAL", OR "DEAD" THAT ARE NOT CURRENTLY RECOMMENDED FOR REMOVAL DUE TO CONSTRUCTION IMPACTS FROM THIS PROJECT MAY WARRANT FURTHER EVALUATION AND/OR TREATMENT OR REMOVAL BY OTHERS DUE TO THEIR EXISTING CONDITION.

TREE ASSESSMENT NOTES:

1. THE INSPECTION OF THESE TREES CONSISTED SOLELY OF A VISUAL INSPECTION FROM THE GROUND.
2. TREE CONDITION WAS ASSESSED USING THE METHODS OUTLINED IN THE COUNCIL OF TREE & LANDSCAPE APPRAISERS *GUIDE FOR PLANT APPRAISAL, 10TH EDITION*

SEE SHEET 000(14) FOR CITY OF FAIRFAX STANDARD TREE CONSERVATION AND LANDSCAPING NOTES

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(13)

	PROJECT	SHEET NO.
	U000-151-R94	025(13)

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

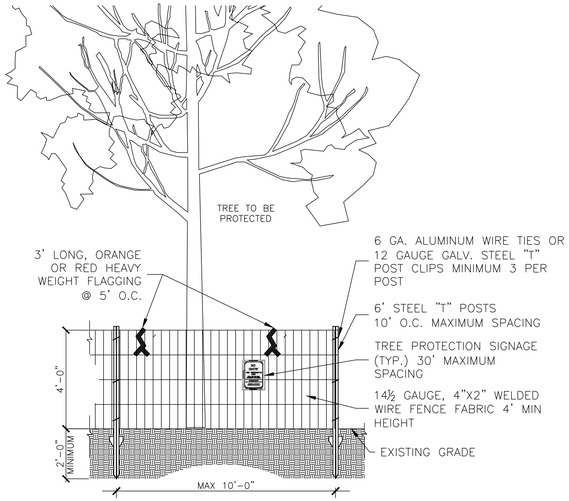
L:\32000s\32400\32475.01\CADD\05-ENVR\32475.01_OldLeeHwy_TPAK.dwg 13 Plotted By: Cary Hulse, 5/14/2025 10:11 AM

Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlands.com

TREE PRESERVATION DETAILS

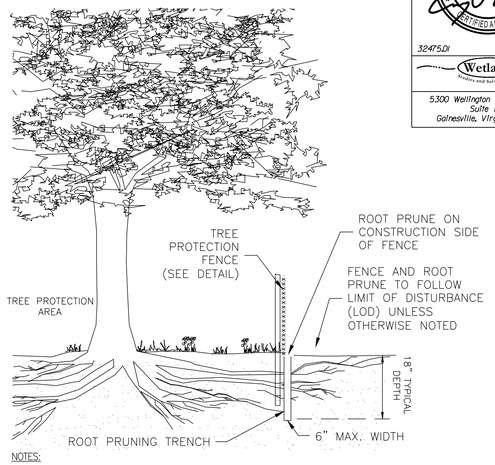
1. *The requirements of the City of Fairfax Zoning Ordinance and Public Facilities Manual shall be followed.*
2. *No changes shall be made to tree conservation unless directed or approved by Fairfax City Urban Forester.*
3. *All tree conservation activities shall be performed under the direct supervision of an ISA Certified Arborist and follow most recent ANSI standards for tree care.*
4. *Prior to the pre-construction meeting, the contractor shall have the limits of clearing and grading clearly marked in the field with flagging. These limits shall not exceed those shown on the approved plans.*
5. *Prior to installation of erosion and sediment controls, grading, demolition, or other disturbance, including tree removal, a pre-construction meeting shall be held with Fairfax City Urban Forester. Changes to the plan, based on field conditions, may be requested by the Urban Forester at the time of the pre-construction meeting.*
6. *Removal of trees, noted for removal on the plan, inside a tree preservation area shall be performed, by hand, without ground disturbance, or disturbance to nearby preserved trees. Trees in these areas shall be cut flush to the ground, without stump grinding. If stump grinding is necessary then approval by Fairfax City Urban Forester may be requested.*
7. *All pruning shall be in accordance to most recent ANSI standards for tree care. Any tree maintenance not in accordance with these standards may be a violation of the zoning ordinance. If additional pruning is needed to meet clearance standards for rights of way approval by Fairfax City Urban Forester may be requested.*
8. *No person shall remove or destroy any tree which is five (5) inches or greater at standard height (4.5 feet from base of ground), on any residential zone lot greater than one-half acre and in all other zoned districts without first obtaining a tree removal permit from the zoning administrator. Any tree removed, damaged or destroyed will be replaced at the discretion of the zoning administrator. The contractor shall not disturb and shall protect all trees and shrubs outside of construction limits, including trees on other properties, or rights-of-way.*
9. *Tree protection areas shall have all non-native invasive vines removed at the end of the project. An invasive management plan shall be provided when deemed necessary by Fairfax City Urban Forester or per the approved plan to ensure tree survival. Tree protection area shall be covered with shredded hardwood mulch, or other organic mulch as approved by Fairfax City Urban Forester.*
10. *Any substitutions or changes to the approved landscape plan shall be requested and approved by Fairfax City Urban Forester prior to installation.*
11. *All planting materials and work shall comply with recommendations and requirements of most recent ANSI standards for nursery stock and per the approved plan. Any material below this standard will not be accepted and will require replacement.*
12. *Installation of plants shall be within Fairfax City's approved planting seasons approximately March-May or September-December during unfrozen soil conditions. Planting outside these seasons require approval by Fairfax City Urban Forester prior to installation. All material shall be installed within 72 hours from delivery to the project site. An inspection of materials by Fairfax City Urban Forester may be requested with minimum five (5) days notice prior to installation.*
13. *At the end of the project, conserved and planted trees must be inspected and approved by Fairfax City Urban Forester. Changes to the plan, based on field conditions, may be requested by the Urban Forester at the time of inspection.*

Department of Public Works 10455 Armstrong Street Fairfax, VA 22030-3630	CITY of FAIRFAX USE WITH THE FAIRFAX STANDARD SPECIFICATIONS ONLY	www.fairfaxva.gov
TREE CONSERVATION AND LANDSCAPING NOTES	SCALE: NOT TO SCALE REVISION DATE: JULY 2024	SHEET #: 1 of 1



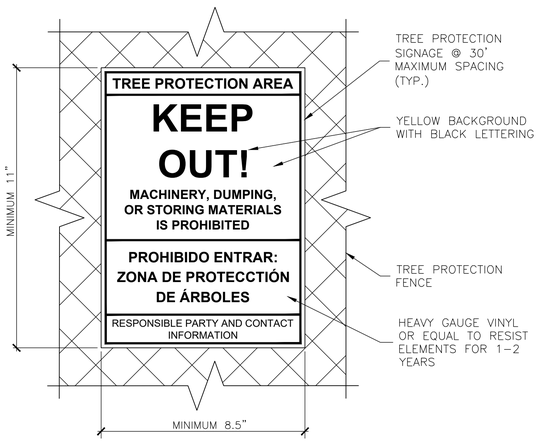
NOTES:
1. TREE PROTECTION FENCE SHALL BE INSTALLED PRIOR TO ANY SITE WORK, CLEARING OR DEMOLITION.
2. WHERE REQUIRED, SUPER SILT FENCE MAY BE USED IN LIEU OF WELDED WIRE FOR TREE PROTECTION PROVIDED IT IS INSTALLED AND MAINTAINED AS A TREE PROTECTION MEASURE AND IS POSTED WITH TREE PROTECTION SIGNS.
3. TREE PROTECTION FENCE SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. REMOVE FENCE ONLY WITH APPROVAL AND AFTER ALL SITE WORK HAS BEEN COMPLETED.

1 000(14) WELDED WIRE TREE PROTECTION FENCE (TYPICAL)
SCALE: NTS



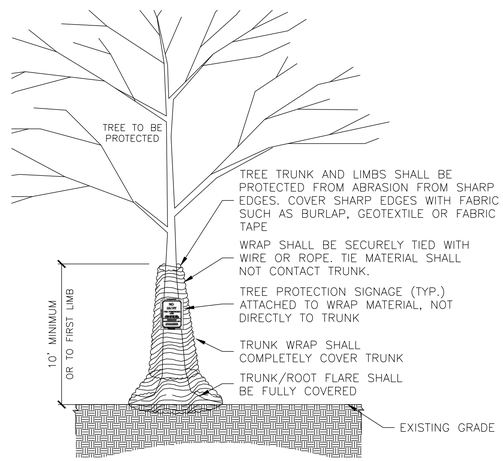
NOTES:
1. TREE PROTECTION AREA WILL BE DETERMINED AS PART OF THE PLAN REVIEW PROCESS. EXACT LOCATION, DEPTH AND METHODS OF ROOT PRUNING TO BE DETERMINED IN THE FIELD BY PROJECT ARBORIST.
2. EXACT LOCATION OF TREE PROTECTION AREAS SHALL BE STAKED OR FLAGGED PRIOR TO TRENCHING.
3. TRENCH SHOULD BE BACKFILLED IMMEDIATELY OR INCORPORATED WITH SILT FENCE INSTALLATION.
4. ROOTS SHOULD BE SEVERED BY ROCK SAW, TRENCHER, VIBRATORY PLOW OR APPROVED EQUIVALENT.
5. ROOTS OVER 1.5" DIAMETER SHOULD BE CLEANLY CUT BY HAND. ROOT PRUNING ADJACENT TO SPECIMEN TREES MAY REQUIRE SOIL REMOVAL BY SUPERSONIC AIR TOOL TO MINIMIZE TREE AND ROOT IMPACTS.
6. COORDINATE WITH SILT FENCE INSTALLATION (IF REQUIRED) TO MINIMIZE ROOT IMPACTS FROM ADDITIONAL TRENCHING.

2 000(14) ROOT PRUNING (TYPICAL)
SCALE: NTS



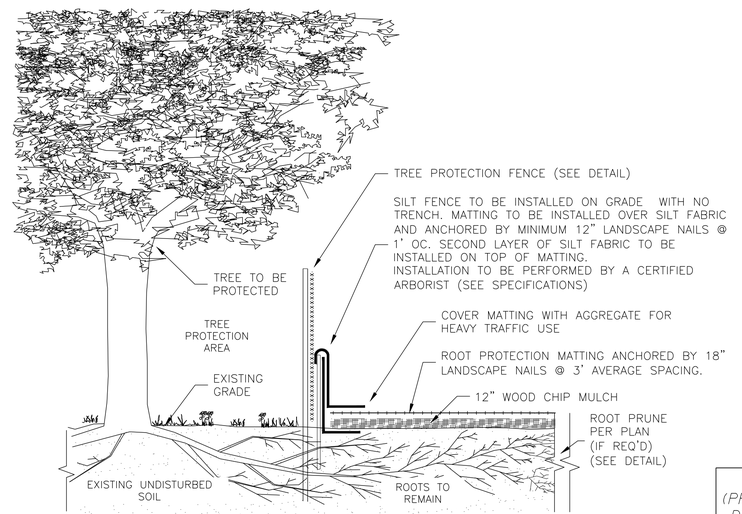
NOTES:
1. SIGNS TO BE ATTACHED TO TREE PROTECTION FENCE OR POSTS AT READABLE LEVEL.
2. 30' MINIMUM SPACING AVERAGE ADJUSTED FOR MAXIMUM READABILITY.
3. MINIMUM ONE SIGN FOR SMALL TREE PROTECTION AREAS.
4. SIGNS MAY BE REMOVED FROM RESIDENTIAL LOTS UPON ISSUANCE OF USE AND OCCUPANCY.
5. SIGNS TO REMAIN ON NON RESIDENTIAL SITES FOR MAINTENANCE PERIOD.

3 000(14) TREE PROTECTION AREA SIGN (TYPICAL)
SCALE: NTS



NOTES:
1. TRUNK WRAP MATERIAL SHALL BE DOUBLE SIDED GEOCOMPOSITE, GEONET CORE WITH NON-WOVEN COVERING (SUCH AS TENSAR ROADRAIN RD7) OR EQUIVALENT.
2. WRAP SHALL BE INSTALLED BY A CERTIFIED ARBORIST.
3. WRAP SHALL BE INSTALLED PRIOR TO ANY SITE WORK, CLEARING OR DEMOLITION.
4. WRAP SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. REMOVE WRAP ONLY WITH APPROVAL AND AFTER ALL SITE WORK HAS BEEN COMPLETED.
5. WRAP SHALL BE REMOVED PROMPTLY AFTER CONSTRUCTION.
6. MAJOR SCAFFOLD LIMBS MAY ALSO REQUIRE THIS PROTECTION AS DIRECTED BY THE PROJECT ARBORIST.

4 000(14) TREE TRUNK & LIMB PROTECTION WRAP (TYP)
SCALE: NTS



NOTES:
1. MATTING MATERIAL SHALL BE DOUBLE SIDED GEOCOMPOSITE, GEONET CORE WITH NON-WOVEN COVERING (SUCH AS TENSAR ROADRAIN RD7) OR APPROVED EQUIVALENT.
2. RPM SHALL BE INSTALLED BY A CERTIFIED ARBORIST.
3. TO BE USED FOR DESIGNATED TEMPORARY CONSTRUCTION ACCESS AND STOCKPILE AREAS.
4. MATTING SHALL BE PLACED ON 12" WOOD CHIP MULCH UNLESS OTHERWISE DIRECTED.
5. FOR HEAVY TRAFFIC AREAS, MATTING SHALL BE COVERED WITH 6-8" WELL GRADED CRUSHED AGGREGATE. ADDITIONAL LAYERS OF GEOTEXTILE, OR HARDENED SURFACE LAYER MAY BE NEEDED.

5 000(14) TEMPORARY ROOT PROTECTION MATTING (TYPICAL)
SCALE: NTS

ISA INTERNATIONAL SOCIETY OF ARBORICULTURE
CARY HULSE
ISA# PD-1080A
CERTIFIED ARBORIST
3247501
Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(14)

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

PROJECT	SHEET NO.
U000-151-R94	025(14)

FINAL PLANS

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TREE PRESERVATION SCHEDULE

Date: MAY 14, 2025

Tree Protection Action Key

Project: BLENHEIM BLVD

Tree #	DBH (Diameter at 4.5 feet above grade)	Common Name	Botanical Name	Condition Rating %	Condition Rating	Approx Canopy Radius (FT)	Approx Tree Height (FT)	Number of Stems	Calculated DBH (in)	SRZ Structural Critical Root Zone (radius) in Feet	CRZ Critical Root Zone Radius in Ft (1.5 ft radius/in DBH)	Priority (1-4)	Tree within ROW	Removal	Preservation Measures: Root Prune	Tree Protection Fence	Mulch	Tree Condition Inspections	Special Arborist Treatment	Construction Oversight/Monitoring	By-Hand Work	Comments	Additional Notes	Condition Notes
1	4	maple, red	Acer rubrum	75%	Good	3	12	1	4	2	6	2	YES	X										TrunkDecay
2	4	maple, red	Acer rubrum	70%	Good	3	12	1	4	2	6	2	YES	X										BuriedRootCollar
3	8	maple, red	Acer rubrum	60%	Fair	6	16	1	8	4	12	2	YES	X									gr 2""x6""	Girdling Roots, BuriedRootCollar, Co-DominantStems
4	42	tuliptree	Liriodendron tulipifera	70%	Good	18	90	1	42	19	63	2		X										LargeDW(3+), BrokenLimbs, SmallDW(1-2"), OverheadUtilities
5	9	maple, red	Acer rubrum	80%	Good	10	20	1	9	4	14	2		X										
6	9	maple, red	Acer rubrum	80%	Good	10	20	1	9	4	14	2		X										
7	27	maple, red	Acer rubrum	65%	Good	16	60	1	27	12	41	2		X									old trunk wound; exposed wood, gr 1"x2'	Co-DominantStems, Girdling Roots
8	7	maple, red	Acer rubrum	65%	Good	8	16	1	7	3	11	2				X							frost cracks	BuriedRootCollar
9	23	maple, red	Acer rubrum	65%	Good	16	60	1	23	10	35	2		X									gr 3""x2'	Girdling Roots, Co-DominantStems, OverheadUtilities
10	22	maple, red	Acer rubrum	65%	Good	16	60	1	22	10	33	2		X									gr 2""x6""	Girdling Roots, Co-DominantStems
11	22	maple, red	Acer rubrum	65%	Good	18	60	1	22	10	33	2		X									gr 3""x24""	Co-DominantStems, SmallDW(1-2"), Girdling Roots
12	17	maple, red	Acer rubrum	65%	Good	12	40	1	17	8	26	2		X									gr 1""x12""	Co-DominantStems, SmallDW(1-2"), Girdling Roots, BrokenLimbs
13	17	maple, red	Acer rubrum	55%	Fair	10	46	1	17	8	26	2					X	X	X	X	X	X	gr 1""x6""	Girdling Roots, LargeDW(3+), SmallDW(1-2"), BrokenLimbs, CompactedSoils
14	23	maple, red	Acer rubrum	65%	Good	16	46	1	23	10	35	2					X	X	X	X	X	X		Co-DominantStems, CompactedSoils
15	17	maple, red	Acer rubrum	45%	Fair	18	46	1	17	8	26	3					X	X	X	X	X	X	gr 3""x8""	Girdling Roots, BranchDecay, SmallDW(1-2"), BrokenLimbs, LargeDW(3+), Co-DominantStems, OverheadUtilities
16	27	maple, red	Acer rubrum	60%	Fair	18	50	1	27	12	41	2					X	X	X	X	X	X	gr 1"x2', 2"x6"	Co-DominantStems, InclBark/WeakUnion, Girdling Roots, OverheadUtilities, SmallDW(1-2")
17	21	maple, red	Acer rubrum	65%	Good	20	50	1	21	9	32	2					X	X	X	X	X	X		Co-DominantStems, CompactedSoils, OverheadUtilities, SmallDW(1-2")
18	23	maple, red	Acer rubrum	65%	Good	18	46	1	23	10	35	2		X									gr 4""x16""	Girdling Roots, CompactedSoils, BrokenLimbs, OverheadUtilities
19	17	maple, red	Acer rubrum	65%	Good	16	46	1	17	8	26	2					X	X	X	X	X	X	gr 1""x18""	Girdling Roots, SmallDW(1-2"), OverheadUtilities
20	20	maple, red	Acer rubrum	65%	Good	16	46	1	20	9	30	2					X	X	X	X	X	X	gr 4""x12""	OverheadUtilities, Girdling Roots, Co-DominantStems
21	31	oak, willow	Quercus phellos	50%	Fair	18	66	1	31	14	47	2					X	X	X	X	X	X	heavily pruned, many sprouts, gr 2"x24"	Stressed, CompactedSoils, OverheadUtilities, BrokenLimbs, SmallDW(1-2"), BranchDecay, Girdling Roots
22	15	maple, red	Acer rubrum	65%	Good	9	18	1	15	7	23	2					X	X	X	X	X	X		SmallDW(1-2"), BranchDecay, OverheadUtilities
23	17	maple, red	Acer rubrum	60%	Fair	13	20	1	17	8	26	2					X	X	X	X	X	X	gr3""x3'	Girdling Roots, CompactedSoils, BranchDecay, OverheadUtilities
24	11	maple, red	Acer rubrum	60%	Fair	14	18	1	11	5	17	2					X	X	X	X	X	X		OverheadUtilities, BranchDecay, SmallDW(1-2"), Co-DominantStems, CompactedSoils
25	17	maple, red	Acer rubrum	65%	Good	13	20	1	17	8	26	2					X	X	X	X	X	X	gr 4""x9""	BranchDecay, SmallDW(1-2"), Girdling Roots, OverheadUtilities, CompactedSoils
26	17	maple, red	Acer rubrum	65%	Good	16	26	1	17	8	26	2					X	X	X	X	X	X	overextended branches	OverheadUtilities, RootDamage/Decay, CompactedSoils
27	20	maple, red	Acer rubrum	65%	Good	18	18	1	20	9	30	2					X	X	X	X	X	X	overextended brancheds	OverheadUtilities, SmallDW(1-2"), BranchDecay, CompactedSoils
28	15	maple, red	Acer rubrum	65%	Good	10	20	1	15	7	23	2					X	X	X	X	X	X	gr 2""x6""	Girdling Roots, CompactedSoils, OverheadUtilities, SmallDW(1-2"), Co-DominantStems
29	14	maple, red	Acer rubrum	65%	Good	17	20	1	14	6	21	2					X	X	X	X	X	X	gr 1""x7""	Girdling Roots, OverheadUtilities, CompactedSoils, Co-DominantStems
30	18	maple, red	Acer rubrum	70%	Good	15	20	1	18	8	27	2					X	X	X	X	X	X	gr3""x16""	Girdling Roots, CompactedSoils, OverheadUtilities
31	8	maple, red	Acer rubrum	40%	Poor	9	12	1	8	4	12	4		X									dead top	BasalDecay, SmallDW(1-2"), SeriousDecline, OverheadUtilities, CompactedSoils, LowVigor
32	15	maple, red	Acer rubrum	65%	Good	15	18	1	15	7	23	2				X	X	X	X		X			CompactedSoils, OverheadUtilities, BrokenLimbs, SmallDW(1-2"), RootDamage/Decay
33	20	maple, red	Acer rubrum	75%	Good	17	20	1	20	9	30	2				X	X	X	X		X		gr 2""x6""	RootDamage/Decay, Girdling Roots, OverheadUtilities, CompactedSoils
34	12	maple, red	Acer rubrum	65%	Good	14	18	1	12	5	18	2		X										CompactedSoils, RootDamage/Decay, OverheadUtilities
35	21	redcedar, eastern	Juniperus virginiana	60%	Fair	8	16	1	21	9	32	2	YES	X										Co-DominantStems, InclBark/WeakUnion, OverheadUtilities, CompactedSoils, SmallDW(1-2"), RootDamage/Decay
36	12,12,11, 5,8	redcedar, eastern	Juniperus virginiana	60%	Fair	12	18	5	22	10	33	2	YES	X										Co-DominantStems, InclBark/WeakUnion, OverheadUtilities, CompactedSoils, SmallDW(1-2"), BrokenLimbs, RootDamage/Decay
37	16	ash spp.	Fraxinus spp.	0%	Dead	3	20	1	16	7	24	4	YES	X										
38	27	maple, red	Acer rubrum	65%	Good	14	50	1	27	12	41	2	YES	X										Vines, SmallDW(1-2"), Co-DominantStems, CompactedSoils, OverheadUtilities
39	28	maple, red	Acer rubrum	60%	Fair	15	60	1	28	13	42	2	YES	X										CompactedSoils, OverheadUtilities, RootDamage/Decay, SmallDW(1-2")
40	37	maple, silver	Acer saccharinum	65%	Good	20	66	1	37	17	56	2	YES	X										Co-DominantStems, CompactedSoils, OverheadUtilities
41	11	elm, slippery	Ulmus rubra	50%	Fair	9	16	1	11	5	17	3	YES	X									broken leader	CompactedSoils, OverheadUtilities
42	11,10	hickory, pignut	Carya glabra	65%	Good	16	20	2	15	7	22	2	YES	X										Co-DominantStems, CompactedSoils, OverheadUtilities
43	26	maple, red	Acer rubrum	60%	Fair	15	58	1	26	12	39	2	YES	X										CompactedSoils, OverheadUtilities, InclBark/WeakUnion, Co-DominantStems, Hardware, RootDamage/Decay
44	14,8	cherry, sweet	Prunus avium	45%	Fair	14	20	2	16	7	24	3	YES	X									heavily pruned, sprouts	CompactedSoils, OverheadUtilities, Co-DominantStems, RootDamage/Decay, ExcessiveLean, BranchDecay
45	11	cherry, sweet	Prunus avium	0%	Dead	2	16	1	11	5	17	4	YES	X										ExcessiveLean, CompactedSoils
46	6,4	mulberry, white	Morus alba	50%	Fair	9	16	2	7	3	11	3	YES	X									excessive sprouts	Co-DominantStems, Stressed, CompactedSoils
47	7,7,6,16	blackgum	Nyssa sylvatica	40%	Poor	16	30	4	20	9	30	3	YES	X									excessive sprouts	Co-DominantStems, CompactedSoils, OverheadUtilities, RootDamage/Decay, TrunkDecay
48	19	blackgum	Nyssa sylvatica	50%	Fair	13	46	1	19	9	29	2	YES	X										BasalDecay, OneSided, OverheadUtilities, RootDamage/Decay
49	14	blackgum	Nyssa sylvatica	45%	Fair	9	44	1	14	6	21	3	YES	X										OneSided, CompactedSoils, OverheadUtilities, BranchDecay, SmallDW(1-2"), ExcessiveLean
50	19	blackgum	Nyssa sylvatica	50%	Fair	10	46	1	19	9	29	3	YES	X										OneSided, SmallDW(1-2"), BranchDecay, OverheadUtilities, CompactedSoils, RootDamage/Decay
51	4	oak, northern red	Quercus rubra	80%	Good	3	12	1	4	2	6	2	YES			X								BuriedRootCollar
52	14	oak, pin	Quercus palustris	75%	Good	9	20	1	14	6	21	2	YES			X								SmallDW(1-2"), OverheadUtilities
53	5	oak, pin	Quercus palustris	65%	Good	8	14	1	5	2	8	2	YES			X							angular curvature in leader @ 8'	OverheadUtilities, BuriedRootCollar
54	8	oak, scarlet	Quercus coccinea	65%	Good	8	16	1	8	4	12	2	YES			X							trunk wound w/woundwood 3""x5'	TrunkDecay, Co-DominantStems, OverheadUtilities
55	9	oak, northern red	Quercus rubra	55%	Fair	10	20	1	9	4	14	2	YES			X								OverheadUtilities, BuriedRootCollar, Co-DominantStems, TrunkDecay, BranchDecay
56	10	oak, northern red	Quercus rubra	75%	Good	8	24	1	10	5	15	2	YES			X								OverheadUtilities, BuriedRootCollar
57	25	tuliptree	Liriodendron tulipifera	70%	Good	14	70	1	25	11	38	2	YES	X										OverheadUtilities, LargeDW(3+), SmallDW(1-2")
58	20	tuliptree	Liriodendron tulipifera	55%	Fair	14	54	1	20	9	30	2		X									adjacent to tree included bark, bent top	LargeDW(3+), SmallDW(1-2"), OneSided
59	26	tuliptree	Liriodendron tulipifera	40%	Poor	15	70	1	26	12	39	3		X									longitudinal crack 3' long at 55'	Co-DominantStems, SmallDW(1-2"), LargeDW(3+)
60	25	tuliptree	Liriodendron tulipifera	45%	Fair	7	60	1	25	11	38	3	YES	X									trunk cavity 7""x3'x3""	NarrowCrown, OneSided, Stressed, SeriousDecline, OverheadUtilities, SmallDW(1-2"), LargeDW(3+), BasalDecay, TrunkDecay
61	9	dahoon	Ilex cassine	70%	Good	6	14	1	9	4	14	2	YES	X									ilex cassine, 2"x 2'	TrunkDecay, OverheadUtilities
62	9,8	dahoon	Ilex cassine	60%	Fair	8	16	2	12	5	18	2					X	X	X	X	X	X		Co-DominantStems, RootDamage/Decay, BasalDecay
63	7,7,5,6	cherry, sweet	Prunus avium	50%	Fair	8	10	4	13	6	19	2					X	X	X	X	X	X		Co-DominantStems, BranchDecay, Hardware, RootDamage/Decay
64	18	pine, shortleaf	Pinus echinata	70%	Good	13	20	1	18	8	27	2					X	X	X	X	X	X		OverheadUtilities
65	7,7,7,7	cherry, sweet	Prunus avium	60%	Fair	9	10	4	14	6	21	2					X	X	X	X	X	X		Co-DominantStems, OverheadUtilities
66	5,5	pear, Callery	Pyrus calleryana	30%	Poor	3	8	2	7	3	11	3	YES	X										Co-DominantStems, LargeDW(3+), SmallDW(1-2"), SeriousDecline, OverheadUtilities
67	26	maple, red	Acer rubrum	60%	Fair	15	64	1	26	12	39	2					X	X	X	X	X	X	gr 2""x8""; 3""x6""	SmallDW(1-2"), Girdling Roots, Co-DominantStems, InclBark/WeakUnion
68	20	maple, red	Acer rubrum	65%	Good	15	66	1	20	9	30	2					X	X	X	X	X	X	gr 2""x12""	Girdling Roots, BrokenLimbs, SmallDW(1-2"), RootDamage/Decay, Co-DominantStems
69	9	maple, red	Acer rubrum	65%	Good	8	20	1	9	4	14	2					X							Co-DominantStems, RootDamage/Decay
70	10	pine, Virginia	Pinus virginiana	75%	Good	7	24	1	10	5	15	2					X							
71	12	pine, Virginia	Pinus virginiana	75%	Good	7	24	1	12	5	18	2					X							
72	10	maple, red	Acer rubrum	65%	Good	6	20	1	10	5	15	2					X							RootDamage/Decay, BrokenLimbs, SmallDW(1-2"), BuriedRootCollar
73	12	maple, red	Acer rubrum	70%	Good	8	20	1	12	5	18	2					X	X	X	X	X	X	gr 1""x12""	RootDamage/Decay, SmallDW(1-2")
74	15	maple, red	Acer rubrum	55%	Fair	14	22	1	15	7	23	2				X	X	X	X		X		gr 2""x12""; 2""x6""; tc 4""x12""x3""	Girdling Roots, OverheadUtilities, TrunkDecay
75	11	maple, red	Acer rubrum	65%	Good	12	18	1	11	5	17	2	YES	X										CompactedSoils, Co-DominantStems, BuriedRootCollar, OverheadUtilities
76	10	maple, red	Acer rubrum	75%	Good	8	24	1	10	5	15	2	YES	X									gr 2""x4""	BuriedRootCollar, Girdling Roots, OverheadUtilities
77	4	maple, red	Acer rubrum	75%	Good	3	10	1	4	2	6	2	YES				X	X	X	X	X	X	1""x7"" gr	CompactedSoils, OverheadUtilities, Girdling Roots
78	9	elm, Chinese	Ulmus parvifolia	70%	Good	10	18	1	9	4	14	2					X	X	X	X	X	X		BuriedRootCollar, BrokenLimbs, OverheadUtilities, CompactedSoils
79	4,3	maple, red	Acer rubrum	50%	Fair	4	12	2	5	2	8	3	YES				X	X	X	X	X	X	trunk wound 2""x4""; dead leader	Co-DominantStems, OverheadUtilities, BuriedRootCollar, BranchDecay, SmallDW(1-2"), CompactedSoils
80	11	maple, red	Acer rubrum	65%	Good	12	20	1	11	5	17	2	YES	X										BuriedRootCollar, OverheadUtilities, CompactedSoils, Co-DominantStems
81	12	maple, red	Acer rubrum	65%	Good	11	20	1	12	5	18	2	YES	X										OverheadUtilities, BuriedRootCollar, CompactedSoils
82	15	maple, red	Acer rubrum	60%	Fair	13	20	1	15	7	23	2		X									gr 3""x12""	OverheadUtilities, CompactedSoils, Girdling Roots, SmallDW(1-2"), BrokenLimbs, LargeDW(3+)
83	8	maple, red	Acer rubrum	65%	Good	9	18	1	8	4	12	2	YES	X										Co-DominantStems, CompactedSoils, OverheadUtilities, BuriedRootCollar, SmallDW(1-2")
84	14	maple, red	Acer rubrum	50%	Fair	12	22	1	14	6	21	2		X									trunk wound 5""x2'	TrunkDecay, CompactedSoils, OverheadUtilities, BasalDecay, SmallDW(1-2"), LargeDW(3+), BranchDecay

Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlands.com

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CERTIFIED ARBORIST CARY HULSE ISA# PD-1080A
32475.01
Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive Suite 100 Gainesville, Virginia 20155

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(15)

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

	PROJECT	SHEET NO.
	U000-151-R94	025(15)

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

TREE PRESERVATION SCHEDULE

Date: MAY 14, 2025

Tree Protection Action Key

Project: BLENHEIM BLVD

Tree #	DBH (Diameter at 4.5 feet above grade)	Common Name	Botanical Name	Condition Rating %	Condition Rating	Approx Canopy Radius (FT)	Approx Tree Height (FT)	Number of Stems	Calculated DBH (in)	SRZ Structural Critical Root Zone (radius) in Feet	CRZ Critical Root Zone Radius in Ft (1.5 ft radius/in DBH)	Priority (1-4)	Tree within ROW	Removal	Preservation Measures: Root Prune	Tree Protection Fence	Mulch	Tree Condition Inspections	Special Arborist Treatment	Construction Oversight/Monitoring	By-Hand Work	Comments	Additional Notes	Condition Notes
85	10	maple, red	Acer rubrum	65%	Good	9	22	1	10	5	15	2	YES	X										RootDamage/Decay, OverheadUtilities, CompactedSoils, BuriedRootCollar, Co-DominantStems
86	14	maple, red	Acer rubrum	70%	Good	12	24	1	14	6	21	2				X	X	X	X	X	X				Vines, OverheadUtilities, CompactedSoils, SmallDW(1-2")
87	7	maple, red	Acer rubrum	70%	Good	10	16	1	7	3	11	2	YES	X											OverheadUtilities, CompactedSoils, BuriedRootCollar
88	15	maple, red	Acer rubrum	70%	Good	12	24	1	15	7	23	2				X	X	X	X	X	X				CompactedSoils, OverheadUtilities, SmallDW(1-2")
89	8	maple, red	Acer rubrum	60%	Fair	6	16	1	8	4	12	2	YES	X											CompactedSoils, OverheadUtilities, BuriedRootCollar, OneSided, Co-DominantStems
90	22	maple, red	Acer rubrum	70%	Good	14	26	1	22	10	33	2				X	X	X	X	X	X				OverheadUtilities, CompactedSoils, SmallDW(1-2")
91	10	maple, red	Acer rubrum	60%	Fair	8	18	1	10	5	15	2	YES	X											CompactedSoils, OverheadUtilities, BuriedRootCollar, TrunkDecay, BranchDecay
92	24	maple, red	Acer rubrum	65%	Good	15	26	1	24	11	36	2				X	X	X	X	X	X				Co-DominantStems, CompactedSoils, OverheadUtilities, SmallDW(1-2")
93	4,5	maple, red	Acer rubrum	65%	Good	8	18	2	6	3	10	2	YES	X											BuriedRootCollar, CompactedSoils, Co-DominantStems, OverheadUtilities, BrokenLimbs
94	17	maple, red	Acer rubrum	65%	Good	13	26	1	17	8	26	2	YES	X											BuriedRootCollar, CompactedSoils, OverheadUtilities, RootDamage/Decay, Co-DominantStems, SmallDW(1-2"), BrokenLimbs
95	7	maple, red	Acer rubrum	75%	Good	9	20	1	7	3	11	2				X	X	X	X	X	X				CompactedSoils
96	5	cherry, sweet	Prunus avium	70%	Good	8	10	1	5	2	8	2			X	X	X	X		X					RootDamage/Decay, CompactedSoils, BuriedRootCollar
97	8	cherry, sweet	Prunus avium	70%	Good	10	16	1	8	4	12	2				X									RootDamage/Decay, BrokenLimbs, CompactedSoils
98	4,5	cherry, sweet	Prunus avium	65%	Good	10	10	2	6	3	10	2			X	X	X	X		X					Co-DominantStems, CompactedSoils, BuriedRootCollar
99	7,7	cherry, sweet	Prunus avium	65%	Good	9	12	2	10	4	15	2		X											BuriedRootCollar, RootDamage/Decay, OverheadUtilities, CompactedSoils, Co-DominantStems
100	7	cherry, sweet	Prunus avium	60%	Fair	7	8	1	7	3	11	2		X										trunk wound 7""x2'	BuriedRootCollar, CompactedSoils, TrunkDecay
101	4	cherry, sweet	Prunus avium	70%	Good	5	8	1	4	2	6	2				X									BuriedRootCollar, CompactedSoils
102	4	cherry, sweet	Prunus avium	45%	Fair	3	8	1	4	2	6	3				X									BuriedRootCollar, CompactedSoils, TrunkDecay, BasalDecay, BranchDecay
103	24	maple, red	Acer rubrum	50%	Fair	15	20	1	24	11	36	3	YES	X										gr 2""x12""	BrokenLimbs, SmallDW(1-2"), Co-DominantStems, BuriedRootCollar, TrunkDecay, BranchDecay, Girdling Roots, FungalFruitingBodies, BasalDecay, CompactedSoils
104	8	linden, littleleaf	Tilia cordata	70%	Good	8	14	1	8	4	12	2		X										gr2""x8""	RootDamage/Decay, Girdling Roots, BrokenLimbs, SmallDW(1-2"), CompactedSoils
105	9	linden, littleleaf	Tilia cordata	60%	Fair	8	16	1	9	4	14	2		X											Co-DominantStems, InclBark/WeakUnion, TrunkDecay, BrokenLimbs, SmallDW(1-2"), CompactedSoils, RootDamage/Decay
106	8	linden, littleleaf	Tilia cordata	70%	Good	9	16	1	8	4	12	2		X										gr 3""x6""	Girdling Roots, SmallDW(1-2"), BrokenLimbs, CompactedSoils, RootDamage/Decay
107	2,3,2	magnolia, sweetbay	Magnolia virginiana	65%	Good	5	8	3	4	2	6	2				X									Co-DominantStems, BuriedRootCollar, CompactedSoils
108	7	holly, American	Ilex opaca	70%	Good	5	8	1	7	3	11	2				X									OverheadUtilities, CompactedSoils, BuriedRootCollar
109	4	holly, Fosters	Ilex x attenuata 'Fosteri'	75%	Good	3	8	1	4	2	6	2				X									BuriedRootCollar, CompactedSoils, OverheadUtilities
110	8,9	holly, American	Ilex opaca	60%	Fair	6	12	2	12	5	18	2				X								gr 2""x6""	Co-DominantStems, InclBark/WeakUnion, CompactedSoils, Girdling Roots, OverheadUtilities
111	12	holly, American	Ilex opaca	65%	Good	7	16	1	12	5	18	2				X								several upright stems	OverheadUtilities, CompactedSoils
112	12	holly, American	Ilex opaca	65%	Good	6	12	1	12	5	18	2				X								upright stems	CompactedSoils, OverheadUtilities
113	12	maple, red	Acer rubrum	70%	Good	12	20	1	12	5	18	2				X									BuriedRootCollar, CompactedSoils, OverheadUtilities, SmallDW(1-2"), BrokenLimbs
114	9	holly, American	Ilex opaca	65%	Good	4	14	1	9	4	14	2				X								crown lean	CompactedSoils, BuriedRootCollar, OverheadUtilities
115	12	maple, red	Acer rubrum	60%	Fair	8	16	1	12	5	18	2				X									CompactedSoils, Co-DominantStems, InclBark/WeakUnion, BuriedRootCollar, OverheadUtilities
116	9	maple, red	Acer rubrum	75%	Good	7	16	1	9	4	14	2				X								gr 1""x5""	OverheadUtilities, CompactedSoils, BuriedRootCollar, Girdling Roots
117	6,5,3	holly, American	Ilex opaca	60%	Fair	6	14	3	8	4	13	2	YES			X									BuriedRootCollar, CompactedSoils, Co-DominantStems, InclBark/WeakUnion, OverheadUtilities
118	13	maple, red	Acer rubrum	65%	Good	10	20	1	13	6	20	2				X								upright branch gr 1""x12""	CompactedSoils, OverheadUtilities, Girdling Roots
119	14	maple, red	Acer rubrum	60%	Fair	12	24	1	14	6	21	2				X								3""x4""	CompactedSoils, OverheadUtilities, Co-DominantStems, InclBark/WeakUnion, SmallDW(1-2"), Girdling Roots, BrokenLimbs
120	17	maple, red	Acer rubrum	30%	Poor	12	40	1	17	8	26	4				X								dead leader	BuriedRootCollar, Co-DominantStems, SmallDW(1-2"), LargeDW(3+), TrunkDecay, BasalDecay, BranchDecay, BrokenLimbs, SeriousDecline
121	4,4,2	maple, red	Acer rubrum	55%	Fair	3	12	3	6	3	9	3				X									Co-DominantStems, CompactedSoils, TrunkDecay
122	11	redcedar, eastern	Juniperus virginiana	70%	Good	7	30	1	11	5	17	2			X	X	X	X		X				gr 2""x6""	Girdling Roots, CompactedSoils
123	11	maple, red	Acer rubrum	65%	Good	10	30	1	11	5	17	2			X	X	X	X		X				gr 3""x6""	CompactedSoils, MechanicalDamage, Girdling Roots, Co-DominantStems, BuriedRootCollar
124	12	elm, Chinese	Ulmus parvifolia	55%	Fair	13	24	1	12	5	18	2				X								gr 1""x5""; multi. branches from single origin	MechanicalDamage, BrokenLimbs, SmallDW(1-2"), BuriedRootCollar, CompactedSoils, Girdling Roots
125	10	elm, Chinese	Ulmus parvifolia	70%	Good	11	16	1	10	5	15	2				X	X	X	X	X	X			gr 1""x5""	BuriedRootCollar, Girdling Roots
126	9	elm, Chinese	Ulmus parvifolia	65%	Good	8	14	1	9	4	14	2			X	X	X	X		X				gr 2""x8""	CompactedSoils, Co-DominantStems, Girdling Roots, BuriedRootCollar
127	10	elm, Chinese	Ulmus parvifolia	70%	Good	10	16	1	10	5	15	2			X	X	X	X		X				gr 1""x4""	CompactedSoils, BuriedRootCollar, Girdling Roots, SmallDW(1-2")
128	11	elm, Chinese	Ulmus parvifolia	70%	Good	10	14	1	11	5	17	2			X	X	X	X		X				gr 1""x 6""	CompactedSoils, SmallDW(1-2"), BrokenLimbs, BuriedRootCollar, Girdling Roots
129	12	elm, Chinese	Ulmus parvifolia	60%	Fair	13	18	1	12	5	18	2				X	X	X	X	X	X			gr 4""x15""	BuriedRootCollar, Girdling Roots, CompactedSoils, Co-DominantStems, SmallDW(1-2"), BrokenLimbs
130	14	maple, red	Acer rubrum	60%	Fair	12	22	1	14	6	21	2				X	X	X	X	X	X			gr 1""x24""	Co-DominantStems, Girdling Roots, CompactedSoils, InclBark/WeakUnion, BrokenLimbs, SmallDW(1-2")
131	13	maple, red	Acer rubrum	55%	Fair	10	26	1	13	6	20	2				X	X	X	X	X	X			upright stems	BuriedRootCollar, CompactedSoils
132	8	ash, green	Fraxinus pennsylvanica	30%	Poor	6	16	1	8	4	12	2			X	X	X	X		X					Insect/DiseaseProblem, SeriousDecline, SmallDW(1-2"), LargeDW(3+), Stressed, LowVigor, BuriedRootCollar, CompactedSoils
133	7	cherry, sweet	Prunus avium	65%	Good	9	12	1	7	3	11	2			X	X	X	X		X					CompactedSoils, BuriedRootCollar, BrokenLimbs, BranchDecay
134	12	redcedar, eastern	Juniperus virginiana	55%	Fair	10	24	1	12	5	18	2			X	X	X	X		X				broken leader/heading cut	CompactedSoils, SmallDW(1-2"), Vines, Suppressed
135	11	redcedar, eastern	Juniperus virginiana	60%	Fair	10	24	1	11	5	17	2			X	X	X	X		X					SmallDW(1-2"), LargeDW(3+), Suppressed, CompactedSoils, Vines
136	17	redcedar, eastern	Juniperus virginiana	65%	Good	9	26	1	17	8	26	2			X	X	X	X		X					Vines, CompactedSoils, SmallDW(1-2"), LargeDW(3+)
137	11	cherry, sweet	Prunus avium	70%	Good	10	18	1	11	5	17	2			X	X	X	X		X					OneSided, CompactedSoils
138	12	blackgum	Nyssa sylvatica	65%	Good	15	30	1	12	5	18	2			X	X	X	X		X					Vines, Hardware, SmallDW(1-2"), OverheadUtilities
139	25	pine, eastern white	Pinus strobus	60%	Fair	15	56	1	25	11	38	2		X										dbh est. from street, no permission letter	SmallDW(1-2"), LargeDW(3+), BuriedRootCollar, OverheadUtilities
140	29	pine, eastern white	Pinus strobus	70%	Good	15	60	1	29	13	44	2		X										dbh est. from sidewalk, no permission letter	OverheadUtilities, BrokenLimbs
141	27	poplar, white	Populus alba	60%	Fair	10	58	1	27	12	41	2		X											Vines, SmallDW(1-2"), LargeDW(3+), Stressed, OverheadUtilities
142	32	poplar, white	Populus alba	70%	Good	15	78	1	32	14	48	2		X											OverheadUtilities, SmallDW(1-2")
143	35	oak, willow	Quercus phellos	60%	Fair	18	70	1	35	16	53	2				X	X	X	X	X	X			limited rooting space	Co-DominantStems, LargeDW(3+), SmallDW(1-2")
144	30	cherry, black	Prunus serotina	55%	Fair	18	68	1	30	14	45	2	YES	X										many sprouts	BasalDecay, OverheadUtilities, RootDamage/Decay, SmallDW(1-2"), Stressed, Co-DominantStems, CompactedSoils
145	20	maple, red	Acer rubrum	60%	Fair	18	66	1	20	9	30	2	YES	X											Co-DominantStems, RootDamage/Decay, OverheadUtilities, ExcessiveLean, SmallDW(1-2"), CompactedSoils
146	28	spruce, Norway	Picea abies	65%	Good	14	68	1	28	13	42	2				X	X	X	X	X	X			dbh from sidewalk, no permission letter	OverheadUtilities, CompactedSoils
147	13	cypress, Leyland	x Cupressocyparis leylandii	65%	Good	5	30	1	13	6	20	2				X	X	X	X	X	X				CompactedSoils, OverheadUtilities, SmallDW(1-2"), Suppressed
148	11	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	5	30	1	11	5	17	2				X	X	X	X	X	X				Suppressed, SmallDW(1-2"), CompactedSoils, OverheadUtilities
149	5	cypress, Leyland	x Cupressocyparis leylandii	50%	Fair	3	20	1	5	2	8	2				X	X	X	X	X	X				Suppressed, OverheadUtilities, CompactedSoils, SmallDW(1-2")
150	8	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	5	28	1	8	4	12	2				X	X	X	X	X	X				CompactedSoils, Suppressed, SmallDW(1-2"), Stressed, OverheadUtilities
151	10	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	5	30	1	10	5	15	2				X	X	X	X	X	X				CompactedSoils, Suppressed, SmallDW(1-2")
152	13	cypress, Leyland	x Cupressocyparis leylandii	65%	Good	7	36	1	13	6	20	2				X	X	X	X	X	X				OverheadUtilities, CompactedSoils, Suppressed, SmallDW(1-2")
153	8	mulberry, white	Morus alba	60%	Fair	8	16	1	8	4	12	3				X									OneSided, SmallDW(1-2"), LargeDW(3+), CompactedSoils, ExcessiveLean, OverheadUtilities
154	6	mulberry, white	Morus alba	30%	Poor	4	8	1	6	3	9	3				X								topped	SmallDW(1-2"), OverheadUtilities
155	7	cherry, black	Prunus serotina	40%	Poor	6	12	1	7	3	11	3	YES			X								heading cuts	ExcessiveLean, OverheadUtilities, SmallDW(1-2")
156	5	cherry, black	Prunus serotina	30%	Poor	5	12	1	5	2	8	3	YES			X								topped	OverheadUtilities
157	7	maple spp.	Acer spp.	0%	Dead	2	10	1	7	3	11	4				X									
158	10	maple, red	Acer rubrum	40%	Poor	5	24	1	10	5	15	3				X								topped	Vines, OverheadUtilities, Stressed

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5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlands.com

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CERTIFIED ARBORIST
CARY HULSE
ISA# PD-1080A
32475.01
Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(16)

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

	PROJECT	SHEET NO.
	U000-151-R94	025(16)

FINAL PLANS

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TREE PRESERVATION SCHEDULE

Date: MAY 14, 2025

Tree Protection Action Key

Project: BLENHEIM BLVD

Tree #	DBH (Diameter at 4.5 feet above grade)	Common Name	Botanical Name	Condition Rating %	Condition Rating	Approx Canopy Radius (FT)	Approx Tree Height (FT)	Number of Stems	Calculated DBH (in)	SRZ (Structural Critical Root Zone (radius) in Feet)	CRZ (Critical Root Zone Radius in Ft (1.5 ft radius/in DBH))	Priority (1-4)	Tree within ROW	Removal	Preservation Measures: Root Prune	Tree Protection Fence	Mulch	Tree Condition Inspections	Special Arborist Treatment	Construction Oversight/Monitoring	By-Hand Work	Comments	Additional Notes	Condition Notes
159	24	oak, white	Quercus alba	40%	Poor	10	46	1	24	11	36	3	YES		X	X	X	X		X				Co-DominantStems, SmallDW(1-2"), LargeDW(3+), OverheadUtilities, Vines, SeriousDecline, BrokenLimbs
160	14	maple, red	Acer rubrum	50%	Fair	10	40	1	14	6	21	2	YES			X								Vines, Stressed, SmallDW(1-2"), ExcessiveLean
161	20	maple, red	Acer rubrum	45%	Fair	12	66	1	20	9	30	3	YES		X	X	X	X		X				Vines, Stressed, SmallDW(1-2"), LargeDW(3+), TrunkDecay, FungalFruitingBodies, SeriousDecline
162	24	oak, white	Quercus alba	65%	Good	10	70	1	24	11	36	2	YES		X	X	X	X		X				OverheadUtilities, Vines, LargeDW(3+), SmallDW(1-2")
163	5	mulberry, white	Morus alba	30%	Poor	6	16	1	5	2	8	3	YES			X							topped	Vines, OverheadUtilities
164	6	beech, American	Fagus grandifolia	70%	Good	9	14	1	6	3	9	2	YES		X	X	X	X		X				Vines
165	5	elm, slippery	Ulmus rubra	70%	Good	7	14	1	5	2	8	2	YES		X	X	X	X		X				Vines, OverheadUtilities
166	8	cherry, sweet	Prunus avium	55%	Fair	9	18	1	8	4	12	2	YES		X	X	X	X		X				Vines, OverheadUtilities
167	6	cherry, sweet	Prunus avium	55%	Fair	6	16	1	6	3	9	2	YES		X	X	X	X		X				Vines, SmallDW(1-2"), NarrowCrown
168	6	cherry, black	Prunus serotina	55%	Fair	6	16	1	6	3	9	2	YES		X	X	X	X		X				Vines, SmallDW(1-2"), Stressed, NarrowCrown
169	5	cherry, black	Prunus serotina	45%	Fair	4	16	1	5	2	8	2	YES		X	X	X	X		X				SmallDW(1-2"), Stressed, Suppressed, NarrowCrown
170	7	cherry, black	Prunus serotina	70%	Good	8	20	1	7	3	11	2				X								Vines
171	7	cherry, black	Prunus serotina	45%	Fair	9	18	1	7	3	11	2				X								Vines, ExcessiveLean, NarrowCrown
172	10	ash spp.	Fraxinus spp.	0%	Dead	7	18	1	10	5	15	4		X										Vines, Insect/DiseaseProblem
173	7	ash spp.	Fraxinus spp.	0%	Dead	4	14	1	7	3	11	4	YES	X										Vines, Insect/DiseaseProblem
174	25	maple spp.	Acer spp.	25%	Poor	10	68	1	25	11	38	4		X									bark obscured by vines	Vines, SeriousDecline, SmallDW(1-2"), LargeDW(3+), Stressed
175	22	ash spp.	Fraxinus spp.	0%	Dead	5	40	1	22	10	33	4	YES	X										Insect/DiseaseProblem, LargeDW(3+), SmallDW(1-2"), BrokenLimbs
176	17	holly, American	Ilex opaca	75%	Good	12	26	1	17	8	26	2	YES	X										FullCrown
177	8	cherry, black	Prunus serotina	45%	Fair	6	20	1	8	4	12	3			X	X	X	X		X				Stressed, Vines, SeriousDecline, LowVigor
178	2	cypress, Leyland	x Cupressocyparis leylandii	75%	Good	3	8	1	2	1	3	2	YES	X									planted by homeowner in ROW	
179	2	cypress, Leyland	x Cupressocyparis leylandii	75%	Good	3	8	1	2	1	3	2	YES	X									planted by homeowner in ROW	
180	2	cypress, Leyland	x Cupressocyparis leylandii	75%	Good	3	8	1	2	1	3	2	YES	X									planted by homeowner in ROW	
181	2	cypress, Leyland	x Cupressocyparis leylandii	75%	Good	3	8	1	2	1	3	2	YES				X						planted by homeowner in ROW	
182	2	cypress, Leyland	x Cupressocyparis leylandii	75%	Good	3	6	1	2	1	3	2	YES				X						planted by homeowner in ROW	
183	8,6	dogwood, flowering	Cornus florida	60%	Fair	8	14	2	10	5	15	2	YES	X										Co-DominantStems, InclBark/WeakUnion, BrokenLimbs, SmallDW(1-2")
184	10,7,6	maple, Japanese	Acer palmatum	60%	Fair	8	14	3	14	6	20	2	YES		X	X	X	X		X				Co-DominantStems, InclBark/WeakUnion
185	14	blackgum	Nyssa sylvatica	60%	Fair	10	44	1	14	6	21	2	YES	X										RootDamage/Decay, CompactedSoils, OverheadUtilities, SmallDW(1-2"), OneSided
186	5,4,4,4,3,3	dogwood, Kousa	Cornus kousa	65%	Good	5	16	6	10	4	14	2	YES	X										CompactedSoils, OverheadUtilities, Co-DominantStems, SmallDW(1-2"), BrokenLimbs, RootDamage/Decay
187	6	dogwood, flowering	Cornus florida	70%	Good	4	10	1	6	3	9	2	YES	X										CompactedSoils, OverheadUtilities
188	5	dogwood, flowering	Cornus florida	70%	Good	5	12	1	5	2	8	2	YES	X										RootDamage/Decay, CompactedSoils, OverheadUtilities, BrokenLimbs
189	3	dogwood, flowering	Cornus florida	60%	Fair	3	8	1	3	1	5	2	YES	X										BuriedRootCollar, CompactedSoils, OverheadUtilities, Co-DominantStems, InclBark/WeakUnion
190	19	spruce, Norway	Picea abies	65%	Good	10	50	1	19	9	29	2			X	X	X	X		X				Co-DominantStems
191	17,10,15	pear, Callery	Pyrus calleryana	50%	Fair	16	66	3	25	11	37	2	YES	X									planted by homeowner, trunk cavity 6"x12"x3"	RootDamage/Decay, CompactedSoils, Co-DominantStems, InclBark/WeakUnion, BrokenLimbs, SmallDW(1-2"), TrunkDecay
192	26	pear, Callery	Pyrus calleryana	25%	Poor	16	66	1	26	12	39	4	YES	X									trunk cracked @5' 12""; planted by homeowner; past failure	TrunkDecay, Co-DominantStems, InclBark/WeakUnion, SmallDW(1-2"), FungalFruitingBodies, CompactedSoils, User2(makenote)
193	17,19	pear, Callery	Pyrus calleryana	40%	Poor	16	66	2	25	11	38	3	YES	X									gr 2""x14""; past failure	Co-DominantStems, InclBark/WeakUnion, SmallDW(1-2"), LargeDW(3+), TrunkDecay, OverheadUtilities, Girdling Roots, CompactedSoils
194	10	pine, eastern white	Pinus strobus	65%	Good	9	40	1	10	5	15	2	YES	X										OverheadUtilities, CompactedSoils, OneSided
195	4,5,6	cypress, Leyland	x Cupressocyparis leylandii	65%	Good	10	30	3	9	4	13	2	YES		X	X	X	X		X				Co-DominantStems, CompactedSoils, OverheadUtilities
197	46	maple, silver	Acer saccharinum	50%	Fair	18	76	1	46	21	69	2	YES		X	X	X	X		X			large pruning cuts	LargeDW(3+), SmallDW(1-2"), Vines, Co-DominantStems, CompactedSoils, OverheadUtilities
198	21	maple, Norway	Acer platanoides	60%	Fair	12	48	1	21	9	32	2			X	X	X	X		X			med-large pruning wounds	RootDamage/Decay, CompactedSoils, Co-DominantStems, SmallDW(1-2")
199	18	redcedar, eastern	Juniperus virginiana	65%	Good	10	42	1	18	8	27	2	YES	X										CompactedSoils, LargeDW(3+), SmallDW(1-2")
200	5,5	mulberry, white	Morus alba	55%	Fair	6	20	2	7	3	11	3	YES	X										Co-DominantStems, ExcessiveLean, OneSided, SmallDW(1-2"), Vines, OverheadUtilities
201	26	maple, red	Acer rubrum	60%	Fair	14	70	1	26	12	39	2	YES			X	X	X	X	X	X		trunk cav. at6' 3""x6""x3""	OverheadUtilities, CompactedSoils, TrunkDecay, ExcessiveLean
202	10,15	cherry, black	Prunus serotina	45%	Fair	10	26	2	18	8	27	3	YES			X	X	X	X	X	X			Co-DominantStems, CompactedSoils, OverheadUtilities, ExcessiveLean, BrokenLimbs, LowVigor
203	35	maple, silver	Acer saccharinum	60%	Fair	20	72	1	35	16	53	2	YES			X	X	X	X	X	X			Co-DominantStems, CompactedSoils, OverheadUtilities, SmallDW(1-2"), BrokenLimbs, LargeDW(3+)
204	21	maple, red	Acer rubrum	65%	Good	16	68	1	21	9	32	2	YES			X	X	X	X	X	X			SmallDW(1-2"), LargeDW(3+), CompactedSoils, OverheadUtilities
205	23	maple, red	Acer rubrum	60%	Fair	10	50	1	23	10	35	2	YES			X	X	X	X	X	X		trunk cavity @2' 2""x3""x6""	TrunkDecay, CompactedSoils, OverheadUtilities, Co-DominantStems, SmallDW(1-2"), LargeDW(3+)
206	52	maple, silver	Acer saccharinum	35%	Poor	18	60	1	52	23	78	3		X									prvious branch failure~16""dia.	LargeDW(3+), SmallDW(1-2"), Co-DominantStems, RootDamage/Decay, Hardware, BrokenLimbs, BranchDecay
207	4	willow, weeping	Salix babylonica	70%	Good	4	10	1	4	2	6	2	YES			X							homeowner will remove	CompactedSoils, OverheadUtilities
208	19	willow, weeping	Salix babylonica	50%	Fair	9	20	1	19	9	29	2	YES	X									debris surrounding trunk; homeowner will remove; heading cuts	OverheadUtilities, CompactedSoils
209	6	willow, weeping	Salix babylonica	70%	Good	5	12	1	6	3	9	2	YES			X							hpmeowner will remove	OverheadUtilities, CompactedSoils
210	8	willow, weeping	Salix babylonica	70%	Good	8	18	1	8	4	12	2	YES	X									homeowner will remove	OverheadUtilities, CompactedSoils
211	29	pine, eastern white	Pinus strobus	60%	Fair	10	56	1	29	13	44	2	YES		X	X	X	X		X				OverheadUtilities, OneSided, CompactedSoils, LargeDW(3+), SmallDW(1-2")
212	12	cherry, black	Prunus serotina	30%	Poor	7	14	1	12	5	18	3	YES	X										OverheadUtilities, Vines, CompactedSoils, BrokenLimbs, Stressed
213	48	oak, northern red	Quercus rubra	70%	Good	18	70	1	48	22	72	2	YES			X	X	X	X	X	X		gr 1""x12""	OneSided, CompactedSoils, OverheadUtilities, Girdling Roots, SmallDW(1-2")
214	30	beech, American	Fagus grandifolia	65%	Good	16	60	1	30	14	45	2	YES			X	X	X	X	X	X		gr 3""x26""	CompactedSoils, Girdling Roots, RootDamage/Decay, TrunkDecay, SmallDW(1-2"), Co-DominantStems
215	4,4	dogwood, flowering	Cornus florida	65%	Good	3	10	2	6	3	8	2	YES	X										Co-DominantStems, InclBark/WeakUnion, BrokenLimbs
216	4,3,3,2	smoketree, European	Cotinus coggygria	65%	Good	5	10	4	6	3	9	2	YES	X									heading cuts	OverheadUtilities, CompactedSoils, ExcessiveLean
217	3,4	dogwood, flowering	Cornus florida	40%	Poor	3	10	2	5	2	8	2	YES	X										OverheadUtilities, CompactedSoils, SmallDW(1-2"), Co-DominantStems, TrunkDecay
218	2,2,1,1	smoketree, European	Cotinus coggygria	60%	Fair	2	8	4	3	1	5	2	YES	X									heading cuts	OverheadUtilities, CompactedSoils
219	16	cherry, sweet	Prunus avium	65%	Good	13	22	1	16	7	24	2	YES	X									heading cuts	OverheadUtilities, CompactedSoils, BrokenLimbs, SmallDW(1-2")
220	7,3,3,2	redbud, eastern	Cercis canadensis	60%	Fair	3	12	4	8	4	13	2		X										Co-DominantStems, InclBark/WeakUnion, OverheadUtilities, SmallDW(1-2")
221	24,24	maple, silver	Acer saccharinum	60%	Fair	20	72	2	34	15	51	2				X	X	X	X	X	X			Co-DominantStems, OverheadUtilities, InclBark/WeakUnion, SmallDW(1-2")
222	9	Kentucky coffeetree	Gymnocladus dioicus	60%	Fair	8	22	1	9	4	14	2				X	X	X	X	X	X			OneSided, OverheadUtilities, SmallDW(1-2")
223	14	cherry, black	Prunus serotina	20%	Critical	10	48	1	14	6	21	4		X									heading cuts; uprooting	ExcessiveLean, SmallDW(1-2"), CompactedSoils, User2(makenote)
224	16	blackgum	Nyssa sylvatica	70%	Good	14	58	1	16	7	24	2		X										Vines, SmallDW(1-2")
225	10	Kentucky coffeetree	Gymnocladus dioicus	75%	Good	10	20	1	10	5	15	2				X	X	X	X	X	X			RootDamage/Decay, CompactedSoils
226	8	Kentucky coffeetree	Gymnocladus dioicus	65%	Good	10	16	1	8	4	12	2				X								CompactedSoils, Co-DominantStems
227	9	Kentucky coffeetree	Gymnocladus dioicus	60%	Fair	10	16	1	9	4	14	2				X								CompactedSoils, Co-DominantStems, InclBark/WeakUnion
228	8	Kentucky coffeetree	Gymnocladus dioicus	70%	Good	6	14	1	8	4	12	2				X								CompactedSoils
229	4	oak, pin	Quercus palustris	75%	Good	2	10	1	4	2	6	2				X								BuriedRootCollar, OverheadUtilities, CompactedSoils
230	6	maple, red	Acer rubrum	70%	Good	5	14	1	6	3	9	2				X								BuriedRootCollar, CompactedSoils
231	4	maple, red	Acer rubrum	70%	Good	3	14	1	4	2	6	2				X								CompactedSoils, BuriedRootCollar
232	6	birch, river	Betula nigra	70%	Good	5	14	1	6	3	9	2				X							from sidewalk	BuriedRootCollar, CompactedSoils
233	5	maple, red	Acer rubrum	70%	Good	4	18	1	5	2	8	2				X							from sidewalk	BuriedRootCollar, CompactedSoils
234	4	persimmon, common	Diospyros virginiana	70%	Good	4	16	1	4	2	6	2				X							from sidewalk	CompactedSoils, BuriedRootCollar
235	6	maple, red	Acer rubrum	70%	Good	5	18	1	6	3	9	2				X								CompactedSoils, BuriedRootCollar
236	1	cherry, sweet	Prunus avium	70%	Good	1	2	1	1	0	2	2				X							from sidewalk	CompactedSoils, BuriedRootCollar
237	3	redcedar, eastern	Juniperus virginiana	70%	Good	2	8	1	3	1	5	2				X							from sidewalk	CompactedSoils, BuriedRootCollar

Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlands.com

CERTIFIED ARBORIST
CARY HULSE
ISA# PD-1080A
32475DI
Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(17)

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

	PROJECT	SHEET NO.
	U000-151-R94	025(17)

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

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TREE PRESERVATION SCHEDULE

Date: MAY 14, 2025

Tree Protection Action Key

Project: BLENHEIM BLVD

Tree #	DBH (Diameter at 4.5 feet above grade)	Common Name	Botanical Name	Condition Rating %	Condition Rating	Approx Canopy Radius (FT)	Approx Tree Height (FT)	Number of Stems	Calculated DBH (in)	SRZ Structural Critical Root Zone (radius) in Feet	CRZ Critical Root Zone Radius in Ft (1.5 ft radius/in DBH)	Priority (1-4)	Tree within ROW	Removal	Preservation Measures: Root Prune	Tree Protection Fence	Mulch	Tree Condition Inspections	Special Arborist Treatment	Construction Oversight/Monitoring	By-Hand Work	Comments	Additional Notes	Condition Notes
238	3	redcedar, eastern	Juniperus virginiana	70%	Good	2	8	1	3	1	5	2				X							from sidewalk	CompactedSoils, BuriedRootCollar
239	3	redcedar, eastern	Juniperus virginiana	70%	Good	2	8	1	3	1	5	2				X							from sidewalk	CompactedSoils, BuriedRootCollar
240	1,1,1,1	crapemyrtle, common	Lagerstroemia indica	65%	Good	1	6	4	2	1	3	2				X							from sidewalk	CompactedSoils, Co-DominantStems, BuriedRootCollar
241	1,1,1	crapemyrtle, common	Lagerstroemia indica	65%	Good	1	6	3	2	1	3	2				X							from sidewalk	CompactedSoils, BuriedRootCollar, Co-DominantStems
242	3	cherry, sweet	Prunus avium	70%	Good	2	8	1	3	1	5	2				X							from sidewalk	CompactedSoils
243	1,1,1	crapemyrtle, common	Lagerstroemia indica	65%	Good	1	6	3	2	1	3	2				X							from sidewalk	Co-DominantStems, CompactedSoils, BuriedRootCollar
244	2,2,1,2	crapemyrtle, common	Lagerstroemia indica	65%	Good	2	6	4	4	2	5	2				X								Co-DominantStems
245	3,2,2	crapemyrtle, common	Lagerstroemia indica	65%	Good	2	6	3	4	2	6	2				X							from sidewalk	Co-DominantStems
246	22	redcedar, eastern	Juniperus virginiana	70%	Good	10	56	1	22	10	33	2	YES			X	X	X	X	X	X			FullCrown, Vines, OverheadUtilities
247	18	redcedar, eastern	Juniperus virginiana	60%	Fair	10	56	1	18	8	27	2				X	X	X	X	X	X		pruned for clearance	FullCrown, OverheadUtilities, SmallDW(1-2"), Vines
248	9	maple, red	Acer rubrum	40%	Poor	8	34	1	9	4	14	3		X										OverheadUtilities, Vines, SeriousDecline, LargeDW(3+), SmallDW(1-2")
249	14	zelkova, Japanese	Zelkova serrata	50%	Fair	12	38	1	14	6	21	2				X	X	X	X	X	X		from sidewalk	CompactedSoils, OverheadUtilities, Vines, LargeDW(3+), SmallDW(1-2")
250	16	maple, red	Acer rubrum	65%	Good	13	58	1	16	7	24	2				X	X	X	X	X	X		from sidewalk	OverheadUtilities, CompactedSoils, SmallDW(1-2")
251	8,7	mulberry, white	Morus alba	55%	Fair	9	24	2	11	5	16	3				X	X	X	X	X	X		from sidewalk	Co-DominantStems, InclBark/WeakUnion, SmallDW(1-2"), CompactedSoils
252	8	maple, red	Acer rubrum	65%	Good	10	40	1	8	4	12	2				X	X	X	X	X	X		from sidewalk	OverheadUtilities, CompactedSoils, SmallDW(1-2")
253	6	redcedar, eastern	Juniperus virginiana	50%	Fair	5	28	1	6	3	9	3				X								gr 1""x6""	Girdling Roots, Vines, OverheadUtilities, OneSided
254	36	magnolia, southern	Magnolia grandiflora	70%	Good	18	60	1	36	16	54	2				X	X	X	X	X	X		from sidewalk	FullCrown, BuriedRootCollar, RootDamage/Decay, OverheadUtilities
255	9,9	redcedar, eastern	Juniperus virginiana	30%	Poor	7	26	2	13	6	19	3				X	X	X	X		X		broken leader	SmallDW(1-2"), LargeDW(3+), OverheadUtilities, CompactedSoils, Suppressed
256	15	redcedar, eastern	Juniperus virginiana	45%	Fair	9	26	1	15	7	23	2	YES			X	X	X	X		X			CompactedSoils, OverheadUtilities, Co-DominantStems, Suppressed, NarrowCrown
257	7	redcedar, eastern	Juniperus virginiana	40%	Poor	5	16	1	7	3	11	3	YES			X	X	X	X		X			CompactedSoils, OverheadUtilities, Suppressed, SmallDW(1-2"), LowVigor, NarrowCrown
258	14	redcedar, eastern	Juniperus virginiana	50%	Fair	7	24	1	14	6	21	2	YES			X	X	X	X		X			NarrowCrown, Suppressed, CompactedSoils, OverheadUtilities, Co-DominantStems
259	9	redcedar, eastern	Juniperus virginiana	40%	Poor	7	26	1	9	4	14	3	YES			X	X	X	X		X		upright branches	NarrowCrown, Suppressed, OverheadUtilities, CompactedSoils, SmallDW(1-2"), Co-DominantStems
261	12	redcedar, eastern	Juniperus virginiana	35%	Poor	4	18	1	12	5	18	3	YES			X	X	X	X		X			NarrowCrown, Suppressed, OverheadUtilities, CompactedSoils, SmallDW(1-2"), LargeDW(3+)
262	11	redcedar, eastern	Juniperus virginiana	30%	Poor	6	20	1	11	5	17	3	YES			X	X	X	X		X			CompactedSoils, Suppressed, OverheadUtilities, SmallDW(1-2"), Co-DominantStems, InclBark/WeakUnion
263	10	redcedar, eastern	Juniperus virginiana	50%	Fair	6	20	1	10	5	15	2	YES			X	X	X	X		X			CompactedSoils, Suppressed, Co-DominantStems, InclBark/WeakUnion, SmallDW(1-2"), BuriedRootCollar
264	5,4	redcedar, eastern	Juniperus virginiana	40%	Poor	6	20	2	6	3	10	2	YES			X	X	X	X		X			Suppressed, CompactedSoils, OverheadUtilities, Co-DominantStems, SmallDW(1-2")
265	8,5	redcedar, eastern	Juniperus virginiana	50%	Fair	5	20	2	9	4	14	2	YES			X	X	X	X		X			Co-DominantStems, InclBark/WeakUnion, Suppressed, OverheadUtilities, CompactedSoils, SmallDW(1-2")
266	6	redcedar, eastern	Juniperus virginiana	50%	Fair	6	18	1	6	3	9	2	YES			X	X	X	X		X			CompactedSoils, Suppressed, OverheadUtilities, SmallDW(1-2")
267	30,28,20,27	maple, silver	Acer saccharinum	40%	Poor	10	68	4	53	24	80	3				X	X	X	X		X		from sidewalk	Co-DominantStems, SmallDW(1-2"), OverheadUtilities, LargeDW(3+), BasalDecay, FungalFruitingBodies, TrunkDecay
268	30	maple, silver	Acer saccharinum	50%	Fair	22	70	1	30	14	45	2				X	X	X	X		X			CompactedSoils, BrokenLimbs, SmallDW(1-2"), LargeDW(3+), OverheadUtilities
269	10	redcedar, eastern	Juniperus virginiana	50%	Fair	6	22	1	10	5	15	2	YES			X								OneSided, SmallDW(1-2"), Suppressed, CompactedSoils, OverheadUtilities
270	8	redcedar, eastern	Juniperus virginiana	45%	Fair	5	22	1	8	4	12	2	YES			X								CompactedSoils, Suppressed, OverheadUtilities, NarrowCrown, OneSided, SmallDW(1-2")
271	5,6	redcedar, eastern	Juniperus virginiana	40%	Poor	5	22	2	8	4	12	3	YES			X								OneSided, Suppressed, Co-DominantStems, InclBark/WeakUnion, SmallDW(1-2"), OverheadUtilities, NarrowCrown
272	5	redcedar, eastern	Juniperus virginiana	35%	Poor	2	16	1	5	2	8	3	YES			X								NarrowCrown, Suppressed, CompactedSoils, OverheadUtilities, SmallDW(1-2"), LowVigor
273	7	redcedar, eastern	Juniperus virginiana	35%	Poor	5	20	1	7	3	11	3	YES			X								OneSided, Suppressed, OverheadUtilities, CompactedSoils, LowVigor, Vines, NarrowCrown
274	7	redcedar, eastern	Juniperus virginiana	45%	Fair	5	20	1	7	3	11	2	YES			X								OneSided, CompactedSoils, SmallDW(1-2"), Suppressed, OverheadUtilities, Vines, NarrowCrown
275	7	redcedar, eastern	Juniperus virginiana	50%	Fair	5	20	1	7	3	11	2	YES			X								CompactedSoils, Suppressed, OverheadUtilities, NarrowCrown
276	7	redcedar, eastern	Juniperus virginiana	40%	Poor	5	20	1	7	3	11	3	YES			X	X	X	X	X	X			OneSided, Suppressed, CompactedSoils, OverheadUtilities, SmallDW(1-2"), NarrowCrown
277	7	redcedar, eastern	Juniperus virginiana	50%	Fair	5	20	1	7	3	11	3	YES			X	X	X	X	X	X			CompactedSoils, Suppressed, OverheadUtilities, SmallDW(1-2"), Vines, NarrowCrown
278	9	redcedar, eastern	Juniperus virginiana	40%	Poor	5	22	1	9	4	14	3	YES			X	X	X	X	X	X		phototropic lean	OneSided, CompactedSoils, Suppressed, OverheadUtilities, SmallDW(1-2"), Vines, NarrowCrown
279	4	redcedar, eastern	Juniperus virginiana	45%	Fair	3	12	1	4	2	6	2	YES			X	X	X	X	X	X			Suppressed, CompactedSoils, OneSided, OverheadUtilities, SmallDW(1-2"), Stressed, NarrowCrown
280	7	redcedar, eastern	Juniperus virginiana	55%	Fair	5	20	1	7	3	11	2	YES			X	X	X	X	X	X			CompactedSoils, Suppressed, OverheadUtilities, SmallDW(1-2"), Vines
281	8	redcedar, eastern	Juniperus virginiana	50%	Fair	8	20	1	8	4	12	2	YES			X	X	X	X	X	X			NarrowCrown, OverheadUtilities, Suppressed, CompactedSoils, SmallDW(1-2")
282	7	redcedar, eastern	Juniperus virginiana	55%	Fair	8	20	1	7	3	11	2	YES			X	X	X	X	X	X			NarrowCrown, Suppressed, CompactedSoils, SmallDW(1-2"), OverheadUtilities
283	6,3	redcedar, eastern	Juniperus virginiana	40%	Poor	8	20	2	7	3	10	3	YES			X	X	X	X	X	X			Co-DominantStems, InclBark/WeakUnion, CompactedSoils, Suppressed, ExcessiveLean, SmallDW(1-2"), OverheadUtilities
284	6,3	redcedar, eastern	Juniperus virginiana	60%	Fair	8	20	2	7	3	10	2	YES			X	X	X	X	X	X			NarrowCrown, CompactedSoils, Suppressed, OverheadUtilities, SmallDW(1-2"), InclBark/WeakUnion, Co-DominantStems
285	6	redcedar, eastern	Juniperus virginiana	60%	Fair	8	20	1	6	3	9	2	YES			X	X	X	X	X	X			NarrowCrown, CompactedSoils, Suppressed, OverheadUtilities, SmallDW(1-2")
286	8	redcedar, eastern	Juniperus virginiana	60%	Fair	8	20	1	8	4	12	2	YES			X	X	X	X	X	X			NarrowCrown, CompactedSoils, Suppressed, OverheadUtilities, SmallDW(1-2")
287	4	redcedar, eastern	Juniperus virginiana	50%	Fair	6	16	1	4	2	6	2	YES			X	X	X	X	X	X			Suppressed, OverheadUtilities, CompactedSoils, SmallDW(1-2"), NarrowCrown
288	5	redcedar, eastern	Juniperus virginiana	60%	Fair	7	18	1	5	2	8	2	YES			X	X	X	X	X	X			Suppressed, NarrowCrown, CompactedSoils, OverheadUtilities, SmallDW(1-2")
289	5	redcedar, eastern	Juniperus virginiana	60%	Fair	7	18	1	5	2	8	2	YES			X	X	X	X	X	X			NarrowCrown, Suppressed, OverheadUtilities, SmallDW(1-2")
290	5	redcedar, eastern	Juniperus virginiana	60%	Fair	7	18	1	5	2	8	2	YES			X	X	X	X	X	X			CompactedSoils, Suppressed, OverheadUtilities, SmallDW(1-2"), NarrowCrown
291	5	redcedar, eastern	Juniperus virginiana	60%	Fair	7	18	1	5	2	8	2	YES			X	X	X	X	X	X			NarrowCrown, Suppressed, CompactedSoils, SmallDW(1-2"), OverheadUtilities
292	5	redcedar, eastern	Juniperus virginiana	60%	Fair	7	18	1	5	2	8	2	YES			X	X	X	X	X	X			NarrowCrown, CompactedSoils, Suppressed, OverheadUtilities, SmallDW(1-2")
293	4	redcedar, eastern	Juniperus virginiana	60%	Fair	6	16	1	4	2	6	2	YES			X	X	X	X	X	X			NarrowCrown, CompactedSoils, Suppressed, OverheadUtilities, SmallDW(1-2")
294	5	redcedar, eastern	Juniperus virginiana	60%	Fair	7	18	1	5	2	8	2	YES			X	X	X	X	X	X			NarrowCrown, Suppressed, CompactedSoils, SmallDW(1-2"), OverheadUtilities
295	6	redcedar, eastern	Juniperus virginiana	60%	Fair	8	18	1	6	3	9	2	YES		X	X	X	X		X				Suppressed, NarrowCrown, CompactedSoils, OverheadUtilities, SmallDW(1-2")
296	7	redcedar, eastern	Juniperus virginiana	60%	Fair	8	18	1	7	3	11	2	YES		X	X	X	X		X				NarrowCrown, Suppressed, CompactedSoils, OverheadUtilities, SmallDW(1-2")
297	4	redcedar, eastern	Juniperus virginiana	60%	Fair	6	16	1	4	2	6	2	YES		X	X	X	X		X				CompactedSoils, NarrowCrown, Suppressed, OverheadUtilities, SmallDW(1-2")
298	5	redcedar, eastern	Juniperus virginiana	60%	Fair	6	18	1	5	2	8	2	YES		X	X	X	X		X				NarrowCrown, Suppressed, CompactedSoils, OverheadUtilities, SmallDW(1-2")
299	4,3	redcedar, eastern	Juniperus virginiana	50%	Fair	6	16	2	5	2	8	2	YES		X	X	X	X		X				NarrowCrown, Suppressed, OverheadUtilities, SmallDW(1-2"), Co-DominantStems, InclBark/WeakUnion
300	5	redcedar, eastern	Juniperus virginiana	60%	Fair	6	18	1	5	2	8	2	YES		X	X	X	X		X				NarrowCrown, CompactedSoils, Suppressed, OverheadUtilities, SmallDW(1-2")
301	4	redcedar, eastern	Juniperus virginiana	60%	Fair	6	16	1	4	2	6	2	YES		X	X	X	X		X				Suppressed, NarrowCrown, CompactedSoils, SmallDW(1-2"), OverheadUtilities
302	5	redcedar, eastern	Juniperus virginiana	60%	Fair	6	18	1	5	2	8	2	YES		X	X	X	X		X				Suppressed, NarrowCrown, OverheadUtilities, SmallDW(1-2"), CompactedSoils
303	5	redcedar, eastern	Juniperus virginiana	60%	Fair	6	16	1	5	2	8	2	YES		X	X	X	X		X				Suppressed, NarrowCrown, CompactedSoils, SmallDW(1-2"), OverheadUtilities
304	25	elm, Siberian	Ulmus pumila	50%	Fair	20	66	1	25	11	38	3	YES	X										Co-DominantStems, InclBark/WeakUnion, SmallDW(1-2"), OverheadUtilities, CompactedSoils, Vines, LargeDW(3+)
305	5	ZZ Unknown dead tree	ZZ Unknown dead tree	0%	Dead	2	12	1	5	2	8	4	YES	X										LargeDW(3+), SmallDW(1-2"), OverheadUtilities
306	10,10	mulberry, white	Morus alba	40%	Poor	15	40	2	14	6	21	3	YES	X										SmallDW(1-2"), LargeDW(3+), CompactedSoils, OverheadUtilities, Vines, SeriousDecline, Co-DominantStems, InclBark/WeakUnion
307	6	mulberry, white	Morus alba	50%	Fair	9	20	1	6	3	9	2				X							unable to view crown	Suppressed, Vines, CompactedSoils, OverheadUtilities
308	9	ZZ Unknown dead tree	ZZ Unknown dead tree	0%	Dead	5	18	1	9	4	14	4	YES	X										LargeDW(3+), SmallDW(1-2"), OverheadUtilities
309	7	mulberry, white	Morus alba	60%	Fair	6	18	1	7	3	11	3				X								Vines, CompactedSoils, Suppressed, SmallDW(1-2"), OverheadUtilities
310	24	elm, Siberian	Ulmus pumila	40%	Poor	15	30	1	24	11	36	3				X	X	X	X	X	X		dead lead	OverheadUtilities, Vines, FungalFruitingBodies, InclBark/WeakUnion, Co-DominantStems
311	7,7,7,5	mulberry, white	Morus alba	60%	Fair	8	16	4	13	6	20	2	YES			X	X	X	X	X	X	Previously removed by others		OverheadUtilities, Vines, Co-DominantStems, InclBark/WeakUnion, SmallDW(1-2"), BranchDecay
312	7	mulberry, white	Morus alba	60%	Fair	8	14	1	7	3	11	2				X	X	X	X	X	X			OverheadUtilities, Vines, SmallDW(1-2")
313	3,2,1	arborvitae, eastern	Thuja occidentalis	60%	Fair	2	8	3	4	2	6	2	YES			X	X	X	X	X	X			CompactedSoils, SmallDW(1-2"), OverheadUtilities, InclBark/WeakUnion, Co-DominantStems
314	2,2,2	arborvitae, eastern	Thuja occidentalis	60%	Fair	2	8	3	3	2	5	2	YES			X	X	X	X	X	X			SmallDW(1-2"), OverheadUtilities, CompactedSoils, Co-DominantStems, InclBark/WeakUnion
315	3,2,2,2	arborvitae, eastern	Thuja occidentalis	60%	Fair	2	10	4	5	2	7	2	YES			X	X	X	X	X	X			OverheadUtilities, CompactedSoils, Co-DominantStems, InclBark/WeakUnion
316	3,3,3,1,1	arborvitae, eastern	Thuja occidentalis	60%	Fair	2	10	5	5	2	8	2				X	X	X	X	X	X			OverheadUtilities, CompactedSoils, Co-DominantStems, InclBark/WeakUnion
317	4,3,2	arborvitae, eastern	Thuja occidentalis	60%	Fair	2	10	3	5	2	8	2	YES			X								SmallDW(1-2"), Co-DominantStems, InclBark/WeakUnion, CompactedSoils, OverheadUtilities
318	2,2,2,1,1	arborvitae, eastern	Thuja occidentalis	60%	Fair	2	10	5	4	2	6	2	YES			X								OverheadUtilities, Co-DominantStems, InclBark/WeakUnion, CompactedSoils, SmallDW(1-2")
319	2,2,2,1,1,1	arborvitae, eastern	Thuja occidentalis	60%	Fair	2	10	6	4	2	6	2				X								CompactedSoils, OverheadUtilities, Co-DominantStems, InclBark/WeakUnion, SmallDW(1-2")

Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlands.com

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INTERNATIONAL SOCIETY OF ARBORICULTURE
CARY HULSE
ISA# PD-1080A
CERTIFIED ARBORIST
32475.01
Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(18)

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

	PROJECT	SHEET NO.
	U000-151-R94	025(18)

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

TREE PRESERVATION SCHEDULE

Date: MAY 14, 2025

Tree Protection Action Key

Project: BLENHEIM BLVD

Tree #	DBH (Diameter at 4.5 feet above grade)	Common Name	Botanical Name	Condition Rating %	Condition Rating	Approx Canopy Radius (FT)	Approx Tree Height (FT)	Number of Stems	Calculated DBH (in)	SRZ Structural Critical Root Zone (radius) in Feet	CRZ Critical Root Zone Radius in Ft (1.5 ft radius/in DBH)	Priority (1-4)	Tree within ROW	Removal	Preservation Measures: Root Prune	Tree Protection Fence	Mulch	Tree Condition Inspections	Special Arborist Treatment	Construction Oversight/Monitoring	By-Hand Work	Comments	Additional Notes	Condition Notes
320	3,2	arborvitae, eastern	Thuja occidentalis	60%	Fair	2	10	2	4	2	5	2	YES			X									Co-DominantStems, InclBark/WeakUnion, SmallDW(1-2"), CompactedSoils, OverheadUtilities
321	3,2,1	arborvitae, eastern	Thuja occidentalis	60%	Fair	2	10	3	4	2	6	2				X									Co-DominantStems, InclBark/WeakUnion, OverheadUtilities, CompactedSoils
322	3,2	arborvitae, eastern	Thuja occidentalis	60%	Fair	2	10	2	4	2	5	2	YES			X									CompactedSoils, InclBark/WeakUnion, Co-DominantStems, OverheadUtilities
323	2,2	arborvitae, eastern	Thuja occidentalis	60%	Fair	2	10	2	3	1	4	2				X									CompactedSoils, InclBark/WeakUnion, Co-DominantStems, OverheadUtilities, OneSided
324	2,1	arborvitae, eastern	Thuja occidentalis	30%	Poor	1	8	2	2	1	3	3	YES			X									SmallDW(1-2"), SeriousDecline, Stressed, Suppressed, LowVigor, OverheadUtilities
325	2,2,1,1	arborvitae, eastern	Thuja occidentalis	60%	Fair	2	10	4	3	1	5	2				X									OverheadUtilities, CompactedSoils, InclBark/WeakUnion, Co-DominantStems
326	13,13,9	chestnut, Chinese	Castanea mollissima	65%	Good	16	68	3	20	9	31	2			X	X	X	X		X					Co-DominantStems, SmallDW(1-2"), LargeDW(3+)
327	46	maple, silver	Acer saccharinum	60%	Fair	18	68	1	46	21	69	2	YES		X	X	X			X			lmted rooting space		InclBark/WeakUnion, Co-DominantStems, CompactedSoils, SmallDW(1-2")
328	5	cherry, sweet	Prunus avium	45%	Fair	7	16	1	5	2	8	3				X							from sidewalk		ExcessiveLean, Vines, Stressed, SmallDW(1-2")
329	28	chestnut, Chinese	Castanea mollissima	55%	Fair	18	68	1	28	13	42	2		X									from sidewalk		OverheadUtilities, Vines, LargeDW(3+), SmallDW(1-2"), BrokenLimbs
330	24	pecan	Carya illinoinensis	65%	Good	17	66	1	24	11	36	2	YES	X											OverheadUtilities, SmallDW(1-2"), LargeDW(3+)
331	7,5	mulberry, white	Morus alba	55%	Fair	6	14	2	9	4	13	3				X							mid-large pruning cuts		OverheadUtilities, CompactedSoils
332	15	elm, slippery	Ulmus rubra	65%	Good	10	50	1	15	7	23	2				X	X	X	X	X	X				SmallDW(1-2"), OverheadUtilities, CompactedSoils
333	8	mulberry, white	Morus alba	60%	Fair	8	20	1	8	4	12	3				X	X	X	X	X	X				OverheadUtilities, SmallDW(1-2"), BrokenLimbs, CompactedSoils
334	27	cherry, black	Prunus serotina	60%	Fair	16	68	1	27	12	41	2	YES		X	X	X	X		X					SmallDW(1-2"), LargeDW(3+), TrunkDecay, OverheadUtilities, Co-DominantStems
335	25	pine, eastern white	Pinus strobus	65%	Good	16	60	1	25	11	38	2	YES	X											SmallDW(1-2"), OverheadUtilities, Co-DominantStems, LargeDW(3+)
336	3,3,2	mulberry, white	Morus alba	60%	Fair	4	12	3	5	2	7	2	YES		X	X	X	X		X					Co-DominantStems, InclBark/WeakUnion, OverheadUtilities
337	15	pine, eastern white	Pinus strobus	60%	Fair	10	40	1	15	7	23	2	YES	X											OverheadUtilities, SmallDW(1-2"), BrokenLimbs, Suppressed, OneSided
338	6	holly, American	Ilex opaca	65%	Good	6	14	1	6	3	9	2	YES	X									from sidewalk		Suppressed, CompactedSoils, OverheadUtilities
339	5	mulberry, white	Morus alba	65%	Good	4	10	1	5	2	8	2	YES	X									from sidewalk		CompactedSoils, Suppressed, OverheadUtilities
340	30	pine spp.	Pinus spp.	0%	Dead	13	14	1	30	14	45	4	YES	X											LargeDW(3+)
341	4,2	mulberry, white	Morus alba	60%	Fair	3	10	2	4	2	7	2	YES	X									from sidewalk		CompactedSoils, OverheadUtilities, Vines, SmallDW(1-2"), Co-DominantStems, InclBark/WeakUnion
342	7	mulberry, white	Morus alba	60%	Fair	6	10	1	7	3	11	2	YES	X											Vines, CompactedSoils, Suppressed, SmallDW(1-2"), OverheadUtilities
343	24	pine, eastern white	Pinus strobus	10%	Critical	12	36	1	24	11	36	4	YES	X									broken leader		SeriousDecline, SmallDW(1-2"), LargeDW(3+), Vines, OverheadUtilities, CompactedSoils, RootDamage/Decay
344	5	mulberry, white	Morus alba	30%	Poor	6	10	1	5	2	8	4	YES	X											Vines, CompactedSoils, OverheadUtilities, SmallDW(1-2"), SeriousDecline
345	25,25	pine, eastern white	Pinus strobus	60%	Fair	18	66	2	35	16	53	2	YES		X	X	X	X		X					InclBark/WeakUnion, Co-DominantStems, OverheadUtilities, RootDamage/Decay, LargeDW(3+), SmallDW(1-2")
346	19,17	pine, eastern white	Pinus strobus	60%	Fair	14	56	2	25	11	38	2	YES		X	X	X	X		X					InclBark/WeakUnion, Co-DominantStems, SmallDW(1-2")
347	27	beech, American	Fagus grandifolia	60%	Fair	16	88	1	27	12	41	2		X									limbed to 60'		OverheadUtilities
348	6	ash, green	Fraxinus pennsylvanica	15%	Critical	3	16	1	6	3	9	4		X									spike wounds with paint		SmallDW(1-2"), SeriousDecline, LowVigor, OverheadUtilities
349	7	elm, slippery	Ulmus rubra	20%	Critical	1	8	1	7	3	11	4	YES	X									topped		OverheadUtilities, SeriousDecline
350	10	holly, American	Ilex opaca	65%	Good	10	22	1	10	5	15	2		X											OverheadUtilities, SmallDW(1-2")
351	5,5,5,6	ash, green	Fraxinus pennsylvanica	35%	Poor	4	16	4	11	5	16	3		X									topped; dead 5"" lead		Co-DominantStems, OverheadUtilities, InclBark/WeakUnion, LowVigor
352	6	ash, green	Fraxinus pennsylvanica	25%	Poor	3	10	1	6	3	9	3		X									topped		OverheadUtilities, SmallDW(1-2")
353	5,3,3	mulberry, white	Morus alba	40%	Poor	5	10	3	7	3	10	3		X									topped		Co-DominantStems, OverheadUtilities, CompactedSoils, SmallDW(1-2")
354	5,5	cherry, sweet	Prunus avium	25%	Poor	5	10	2	7	3	11	3	YES	X									topped		OverheadUtilities, SmallDW(1-2"), SeriousDecline, CompactedSoils, Co-DominantStems, InclBark/WeakUnion, Vines
355	5	elm, slippery	Ulmus rubra	20%	Critical	3	8	1	5	2	8	3	YES	X									topped		OverheadUtilities, SmallDW(1-2"), Suppressed, Stressed
356	20	magnolia, saucer	Magnolia x soulangiana	65%	Good	16	56	1	20	9	30	2				X	X	X	X	X	X		sapsucker damage		RootDamage/Decay, Co-DominantStems, BasalDecay
357	7	holly, American	Ilex opaca	65%	Good	8	22	1	7	3	11	2		X											Co-DominantStems, SmallDW(1-2"), Suppressed
358	5,5	mulberry, white	Morus alba	40%	Poor	3	10	2	7	3	11	3		X									broken leader w sprouts		Co-DominantStems, InclBark/WeakUnion, OverheadUtilities, BranchDecay, TrunkDecay
359	7	cherry, black	Prunus serotina	20%	Critical	3	10	1	7	3	11	3	YES	X									topped		OverheadUtilities, SeriousDecline, SmallDW(1-2"), Vines
360	46	tuliptree	Liriodendron tulipifera	60%	Fair	18	90	1	46	21	69	2		X									lrg heading cuts		LargeDW(3+), SmallDW(1-2"), OverheadUtilities
361	32	oak, white	Quercus alba	65%	Good	18	90	1	32	14	48	2				X	X	X	X	X	X		upright stem		RootDamage/Decay, CompactedSoils, SmallDW(1-2")
362	24	oak, southern red	Quercus falcata	65%	Good	12	80	1	24	11	36	2		X											Co-DominantStems, OverheadUtilities, LargeDW(3+), SmallDW(1-2")
363	12,10,9	maple, red	Acer rubrum	30%	Poor	9	30	3	18	8	27	3	YES	X									assessed from 15' due to leaf pile blocking access; topped		Co-DominantStems, OverheadUtilities, InclBark/WeakUnion, SmallDW(1-2")
364	8	blackgum	Nyssa sylvatica	30%	Poor	3	20	1	8	4	12	3	YES	X									topped		SmallDW(1-2"), CompactedSoils, OneSided, LowVigor, OverheadUtilities
365	17	tuliptree	Liriodendron tulipifera	50%	Fair	10	50	1	17	8	26	3	YES	X											ExcessiveLean, SmallDW(1-2"), OverheadUtilities, CompactedSoils, OneSided
366	12	maple, red	Acer rubrum	40%	Poor	10	30	1	12	5	18	3	YES	X									pollarding		CompactedSoils, SmallDW(1-2"), Stressed
367	11	oak, willow	Quercus phellos	70%	Good	8	40	1	11	5	17	2				X									SmallDW(1-2"), Vines
368	11	oak, willow	Quercus phellos	70%	Good	8	42	1	11	5	17	2				X									SmallDW(1-2"")
369	11	oak, willow	Quercus phellos	75%	Good	8	40	1	11	5	17	2				X									SmallDW(1-2"")
370	10,10,3,3, 10	cypress, Leyland	x Cupressocyparis leylandii	60%	Fair	9	30	5	18	8	27	2			X	X	X	X		X					Co-DominantStems, InclBark/WeakUnion, FullCrown, SmallDW(1-2"), LargeDW(3+)
371	11	oak, willow	Quercus phellos	70%	Good	6	40	1	11	5	17	2				X									SmallDW(1-2"")
372	12	oak, willow	Quercus phellos	70%	Good	6	42	1	12	5	18	2				X									SmallDW(1-2"")
373	12	oak, willow	Quercus phellos	70%	Good	7	40	1	12	5	18	2				X									SmallDW(1-2"")
374	13	oak, willow	Quercus phellos	70%	Good	8	42	1	13	6	20	2				X							poor pruning cuts		CompactedSoils, SmallDW(1-2"), MechanicalDamage, BuriedRootCollar
375	17	planetree, London	Platanus x hispanica	70%	Good	15	56	1	17	8	26	2			X	X	X	X		X			trunk wounds inline to 5' with woundwood		SmallDW(1-2"), CompactedSoils
376	12,12,13	cypress, Leyland	x Cupressocyparis leylandii	65%	Good	9	30	3	21	10	32	2		X									sapsucker damage		CompactedSoils, Co-DominantStems
377	9,6	cypress, Leyland	x Cupressocyparis leylandii	10%	Critical	3	14	2	11	5	16	3		X									root plate failure,		CompactedSoils, ExcessiveLean, SmallDW(1-2"), Co-DominantStems, InclBark/WeakUnion
378	14,13,7	cypress, Leyland	x Cupressocyparis leylandii	60%	Fair	11	30	3	20	9	31	2		X											InclBark/WeakUnion, Co-DominantStems, SmallDW(1-2"), CompactedSoils
379	11,8	cypress, Leyland	x Cupressocyparis leylandii	65%	Good	11	32	2	14	6	20	2			X	X	X	X		X					CompactedSoils, InclBark/WeakUnion, Co-DominantStems, SmallDW(1-2")
380	10	pine, eastern white	Pinus strobus	60%	Fair	5	30	1	10	5	15	2				X									CompactedSoils, SmallDW(1-2"), Suppressed
381	11	cypress, Leyland	x Cupressocyparis leylandii	65%	Good	10	30	1	11	5	17	2				X									CompactedSoils, Co-DominantStems, SmallDW(1-2")
382	13	planetree, London	Platanus x hispanica	70%	Good	12	40	1	13	6	20	2				X							limited rooting space		User1(makenote)
383	10	pine, eastern white	Pinus strobus	65%	Good	8	30	1	10	5	15	2				X									CompactedSoils, SmallDW(1-2")
384	6	cypress, Leyland	x Cupressocyparis leylandii	65%	Good	6	24	1	6	3	9	2				X							many bassl branches		CompactedSoils, SmallDW(1-2")
385	6	cypress, Leyland	x Cupressocyparis leylandii	65%	Good	7	20	1	6	3	9	2				X									CompactedSoils, SmallDW(1-2")
386	7	cypress, Leyland	x Cupressocyparis leylandii	70%	Good	6	20	1	7	3	11	2				X									SmallDW(1-2"), CompactedSoils
387	6	pine, eastern white	Pinus strobus	60%	Fair	5	18	1	6	3	9	2				X									SmallDW(1-2"), CompactedSoils, Suppressed, NarrowCrown
388	8	pine, eastern white	Pinus strobus	60%	Fair	6	28	1	8	4	12	2				X									CompactedSoils, NarrowCrown, Suppressed
389	17	pine, eastern white	Pinus strobus	70%	Good	10	40	1	17	8	26	2				X									CompactedSoils, SmallDW(1-2")
390	16	pine, eastern white	Pinus strobus	70%	Good	10	36	1	16	7	24	2				X									CompactedSoils, OverheadUtilities, SmallDW(1-2")
391	18	planetree, London	Platanus x hispanica	70%	Good	13	58	1	18	8	27	2				X							lmted rooting space		RootDamage/Decay
392	16	pine, eastern white	Pinus strobus	65%	Good	6	28	1	16	7	24	2				X									CompactedSoils, RootDamage/Decay, SmallDW(1-2"), LargeDW(3+), OverheadUtilities
393	18	pine, eastern white	Pinus strobus	65%	Good	9	34	1	18	8	27	2				X									CompactedSoils, RootDamage/Decay, SmallDW(1-2"), LargeDW(3+), OverheadUtilities
394	12	pine, eastern white	Pinus strobus	65%	Good	6	30	1	12	5	18	2				X									SmallDW(1-2"), LargeDW(3+), CompactedSoils, OverheadUtilities
395	16	pine, eastern white	Pinus strobus	60%	Fair	9	34	1	16	7	24	2				X									CompactedSoils, SmallDW(1-2"), LargeDW(3+), Suppressed, OverheadUtilities
396	17,15	cypress, Leyland	x Cupressocyparis leylandii	65%	Good	10	36	2	23	10	34	2				X									Co-DominantStems, CompactedSoils, OverheadUtilities, SmallDW(1-2"), LargeDW(3+)

Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlands.com

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CERTIFIED ARBORIST
CARY HULSE
ISA# PD-1080A
32475.01
Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(19)

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

PROJECT	SHEET NO.
U000-151-R94	025(19)

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

TREE PRESERVATION SCHEDULE

Date: MAY 14, 2025

Tree Protection Action Key

Project: BLENHEIM BLVD

Tree #	DBH (Diameter at 4.5 feet above grade)	Common Name	Botanical Name	Condition Rating %	Condition Rating	Approx Canopy Radius (FT)	Approx Tree Height (FT)	Number of Stems	Calculated DBH (in)	SRZ: Structural Critical Root Zone (radius) in Feet	CRZ: Critical Root Zone Radius in Ft (1.5 ft radius/in DBH)	Priority (1-4)	Tree within ROW	Removal	Preservation Measures: Root Prune	Tree Protection Fence	Mulch	Tree Condition Inspections	Special Arborist Treatment	Construction Oversight/Monitoring	By-Hand Work	Comments	Additional Notes	Condition Notes
397	15,12	cypress, Leyland	x Cupressocyparis leylandii	65%	Good	10	34	2	19	9	29	2				X								InclBark/WeakUnion, Co-DominantStems, CompactedSoils, OverheadUtilities, SmallDW(1-2"), LargeDW(3+)
398	12	pine, eastern white	Pinus strobus	0%	Dead	5	22	1	12	5	18	4				X								CompactedSoils, SmallDW(1-2"), LargeDW(3+)
399	9	pine spp.	Pinus spp.	0%	Dead	3	14	1	9	4	14	4				X								CompactedSoils, LargeDW(3+), SmallDW(1-2")
400	17	pine, eastern white	Pinus strobus	65%	Good	6	40	1	17	8	26	2	YES			X								OverheadUtilities, CompactedSoils, SmallDW(1-2"), LargeDW(3+), Suppressed
401	17,17	cypress, Leyland	x Cupressocyparis leylandii	70%	Good	11	38	2	24	11	36	2				X								CompactedSoils, OverheadUtilities, SmallDW(1-2")
402	14	pine, eastern white	Pinus strobus	45%	Fair	5	28	1	14	6	21	2				X							possibly tree 949 collected by alex bailey	CompactedSoils, LargeDW(3+), SmallDW(1-2"), OverheadUtilities, Suppressed, LowVigor, Stressed
403	18	cypress, Leyland	x Cupressocyparis leylandii	50%	Fair	10	50	1	18	8	27	2	YES			X							possibly tree 950 collected by alex bailey	CompactedSoils, OverheadUtilities, SmallDW(1-2"), LargeDW(3+), TrunkDecay, Stressed
404	21	cypress, Leyland	x Cupressocyparis leylandii	60%	Fair	12	50	1	21	9	32	2	YES			X							possibly tree 951 collected by alex bailey	CompactedSoils, SmallDW(1-2"), OverheadUtilities, Co-DominantStems, InclBark/WeakUnion
405	13	pine, eastern white	Pinus strobus	60%	Fair	10	42	1	13	6	20	2	YES			X							possibly tree 952 collected by alex bailey	CompactedSoils, SmallDW(1-2"), OverheadUtilities, LargeDW(3+), Suppressed
406	31	beech, American	Fagus grandifolia	55%	Fair	12	28	1	31	14	47	2				X								CompactedSoils, OverheadUtilities, BrokenLimbs, RootDamage/Decay, SmallDW(1-2"), Co-DominantStems
407	32,32	tuliptree	Liriodendron tulipifera	70%	Good	12	80	2	45	20	68	2				X							gr 1"x12", 2"x12", 2"x24"; tree 952 collected by alex bailey	Co-DominantStems, SmallDW(1-2"), LargeDW(3+), Girdling Roots, OverheadUtilities
408	6	mulberry, white	Morus alba	70%	Good	4	14	1	6	3	9	3	YES			X								Hardware
409	14	oak, willow	Quercus phellos	70%	Good	9	30	1	14	6	21	2				X								SmallDW(1-2"), CompactedSoils
410	22	pine, eastern white	Pinus strobus	70%	Good	12	60	1	22	10	33	2				X								RootDamage/Decay, SmallDW(1-2"), LargeDW(3+)
411	25	pine, eastern white	Pinus strobus	70%	Good	12	60	1	25	11	38	2				X								SmallDW(1-2"), LargeDW(3+), CompactedSoils
412	24	pine, eastern white	Pinus strobus	70%	Good	12	60	1	24	11	36	2				X								SmallDW(1-2"), LargeDW(3+)
413	31	pine, eastern white	Pinus strobus	60%	Fair	13	66	1	31	14	47	2			X	X	X	X		X				InclBark/WeakUnion, Co-DominantStems, SmallDW(1-2"), LargeDW(3+)
414	20	pine, eastern white	Pinus strobus	70%	Good	12	60	1	20	9	30	2				X								CompactedSoils, SmallDW(1-2"), LargeDW(3+)
415	28	pine, eastern white	Pinus strobus	65%	Good	12	60	1	28	13	42	2			X	X	X	X		X			upright branch 8""dia.	CompactedSoils, LargeDW(3+), SmallDW(1-2")
416	24	pine, eastern white	Pinus strobus	70%	Good	12	60	1	24	11	36	2				X								CompactedSoils, SmallDW(1-2"), LargeDW(3+)
417	23	pine, eastern white	Pinus strobus	70%	Good	12	60	1	23	10	35	2				X								CompactedSoils, SmallDW(1-2"), LargeDW(3+)
418	31	pine, eastern white	Pinus strobus	60%	Fair	13	64	1	31	14	47	2				X								Co-DominantStems, InclBark/WeakUnion, SmallDW(1-2"), LargeDW(3+), CompactedSoils
419	24	pine, eastern white	Pinus strobus	70%	Good	12	60	1	24	11	36	2				X								CompactedSoils, SmallDW(1-2"), LargeDW(3+)
420	23	pine, eastern white	Pinus strobus	70%	Good	12	60	1	23	10	35	2				X								CompactedSoils, SmallDW(1-2"), LargeDW(3+)
421	39	pine, eastern white	Pinus strobus	60%	Fair	14	66	1	39	18	59	2			X	X	X	X		X				CompactedSoils, Co-DominantStems, InclBark/WeakUnion, LargeDW(3+)
422	3,2,2,1,1	serviceberry, downy	Amelanchier arborea	65%	Good	2	10	5	4	2	7	2				X								CompactedSoils, Co-DominantStems
423	3,3,2,2,1, 1	serviceberry, downy	Amelanchier arborea	65%	Good	2	10	6	5	2	8	2				X								CompactedSoils, Co-DominantStems
424	3,3,2,2,2, 1	serviceberry, downy	Amelanchier arborea	65%	Good	2	10	6	6	3	8	2				X								CompactedSoils, Co-DominantStems
425	38	pine, eastern white	Pinus strobus	65%	Good	15	66	1	38	17	57	2				X								CompactedSoils, SmallDW(1-2"), LargeDW(3+), Co-DominantStems
426	20	cypress, Leyland	x Cupressocyparis leylandii	65%	Good	11	58	1	20	9	30	2				X								CompactedSoils, OverheadUtilities, SmallDW(1-2"), LargeDW(3+)
427	21	cypress, Leyland	x Cupressocyparis leylandii	65%	Good	13	58	1	21	9	32	2				X								CompactedSoils, SmallDW(1-2"), LargeDW(3+)
428	21	cypress, Leyland	x Cupressocyparis leylandii	60%	Fair	10	50	1	21	9	32	2				X								CompactedSoils, SmallDW(1-2"), BrokenLimbs
429	15	cypress, Leyland	x Cupressocyparis leylandii	70%	Good	7	38	1	15	7	23	2				X								CompactedSoils, SmallDW(1-2")
430	19	cypress, Leyland	x Cupressocyparis leylandii	70%	Good	10	40	1	19	9	29	2				X								CompactedSoils, SmallDW(1-2")
431	11	oak, willow	Quercus phellos	70%	Good	7	36	1	11	5	17	2				X								CompactedSoils, SmallDW(1-2"), OverheadUtilities
432	4,4,4,4	oak, willow	Quercus phellos	30%	Poor	5	8	4	8	4	12	3				X								InclBark/WeakUnion, Co-DominantStems, OverheadUtilities, CompactedSoils, SmallDW(1-2"), LargeDW(3+), SeriousDecline
433	12	oak, willow	Quercus phellos	70%	Good	9	46	1	12	5	18	2				X								CompactedSoils, SmallDW(1-2"), OverheadUtilities
434	23	cypress, Leyland	x Cupressocyparis leylandii	65%	Good	10	48	1	23	10	35	2				X								CompactedSoils, SmallDW(1-2"), LargeDW(3+), OverheadUtilities
435	19,15,12	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	12	42	3	27	12	41	2				X								CompactedSoils, Co-DominantStems, InclBark/WeakUnion, SmallDW(1-2")
436	14	cypress, Leyland	x Cupressocyparis leylandii	50%	Fair	10	40	1	14	6	21	3				X								CompactedSoils, InclBark/WeakUnion, Co-DominantStems, SmallDW(1-2"), OneSided
437	16,10	cypress, Leyland	x Cupressocyparis leylandii	60%	Fair	10	42	2	19	8	28	2				X								CompactedSoils, OverheadUtilities, InclBark/WeakUnion, Co-DominantStems, SmallDW(1-2")
438	21	cypress, Leyland	x Cupressocyparis leylandii	65%	Good	10	44	1	21	9	32	2				X								CompactedSoils, SmallDW(1-2")
439	10,10,14	cypress, Leyland	x Cupressocyparis leylandii	60%	Fair	10	40	3	20	9	30	2				X								CompactedSoils, InclBark/WeakUnion, Co-DominantStems, SmallDW(1-2"), LargeDW(3+), OverheadUtilities
440	13	cypress, Leyland	x Cupressocyparis leylandii	65%	Good	6	28	1	13	6	20	2				X								CompactedSoils, SmallDW(1-2"), LargeDW(3+)
441	15,13	cypress, Leyland	x Cupressocyparis leylandii	60%	Fair	10	40	2	20	9	30	2				X								CompactedSoils, Co-DominantStems, InclBark/WeakUnion, SmallDW(1-2"), LargeDW(3+), OverheadUtilities
442	10,9,21	cypress, Leyland	x Cupressocyparis leylandii	60%	Fair	10	40	3	25	11	37	2				X							sapsucker damage	InclBark/WeakUnion, Co-DominantStems, CompactedSoils
443	13,13	cypress, Leyland	x Cupressocyparis leylandii	60%	Fair	11	42	2	18	8	28	2				X								CompactedSoils, OverheadUtilities, InclBark/WeakUnion, Co-DominantStems, SmallDW(1-2")
444	10	serviceberry, Allegheny	Amelanchier laevis	70%	Good	6	30	1	10	5	15	2				X								CompactedSoils, OverheadUtilities
445	8	serviceberry, Allegheny	Amelanchier laevis	70%	Good	5	28	1	8	4	12	2				X								CompactedSoils, OverheadUtilities
446	16	spruce, Norway	Picea abies	45%	Fair	11	50	1	16	7	24	3				X	X	X	X		X			SmallDW(1-2"), CompactedSoils, OverheadUtilities, LargeDW(3+), LowVigor, Co-DominantStems
447	35	maple, red	Acer rubrum	60%	Fair	15	66	1	35	16	53	2				X	X	X	X		X			from sidewalk	RootDamage/Decay, BrokenLimbs, LargeDW(3+), SmallDW(1-2"), Co-DominantStems, OverheadUtilities
448	10	holly, American	Ilex opaca	60%	Fair	6	40	1	10	5	15	2	YES	X										OverheadUtilities, CompactedSoils, OneSided
449	8	holly, American	Ilex opaca	70%	Good	6	40	1	8	4	12	2	YES	X										OverheadUtilities, CompactedSoils
450	10	holly, American	Ilex opaca	65%	Good	6	40	1	10	5	15	2	YES	X										Co-DominantStems, CompactedSoils, OverheadUtilities
451	6,5,4	holly, American	Ilex opaca	65%	Good	6	40	3	9	4	13	2				X	X	X	X		X			CompactedSoils, OverheadUtilities, Co-DominantStems
452	5	holly, American	Ilex opaca	65%	Good	6	20	1	5	2	8	2				X								CompactedSoils, OverheadUtilities, Suppressed
453	10,10,8	holly, American	Ilex opaca	60%	Fair	6	40	3	16	7	24	2	YES	X										Co-DominantStems, InclBark/WeakUnion, CompactedSoils, OverheadUtilities, SmallDW(1-2")
454	5,4	holly, American	Ilex opaca	55%	Fair	5	20	2	6	3	10	3				X	X	X	X		X			bssal swelling	CompactedSoils, OverheadUtilities, Co-DominantStems, SmallDW(1-2")
455	6,6	holly, American	Ilex opaca	65%	Good	6	40	2	8	4	13	2				X	X	X	X		X				CompactedSoils, OverheadUtilities, Co-DominantStems
456	10	holly, American	Ilex opaca	70%	Good	6	40	1	10	5	15	2				X	X	X	X		X				CompactedSoils, OverheadUtilities
457	10,9	holly, American	Ilex opaca	65%	Good	6	40	2	13	6	20	2				X	X	X	X		X				CompactedSoils, OverheadUtilities, Co-DominantStems
458	9	holly, American	Ilex opaca	65%	Good	6	40	1	9	4	14	2				X								trunk gall	CompactedSoils, OverheadUtilities
459	5,4	holly, American	Ilex opaca	65%	Good	6	30	2	6	3	10	2				X									CompactedSoils, OverheadUtilities, Co-DominantStems, Suppressed
460	10	holly, American	Ilex opaca	70%	Good	6	40	1	10	5	15	2				X									CompactedSoils, OverheadUtilities, SmallDW(1-2")
461	14	holly, American	Ilex opaca	60%	Fair	6	42	1	14	6	21	2				X	X	X	X		X				CompactedSoils, OverheadUtilities, OneSided
462	5	holly, American	Ilex opaca	45%	Fair	4	16	1	5	2	8	3				X									CompactedSoils, OverheadUtilities, Suppressed, ExcessiveLean
463	5	holly, American	Ilex opaca	60%	Fair	4	20	1	5	2	8	2	YES	X											Suppressed, CompactedSoils, OverheadUtilities
464	9,8	holly, American	Ilex opaca	65%	Good	6	40	2	12	5	18	2				X	X	X	X		X				Co-DominantStems, CompactedSoils, OverheadUtilities

Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlands.com

CERTIFIED ARBORIST
CARY HULSE
ISA# PD-1080A
3247501
Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(20)

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

PROJECT	SHEET NO.
U000-151-R94	025(20)

FINAL PLANS

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Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlands.com

TREE PRESERVATION SCHEDULE

Date: 12/11/2025

Tree Protection Action Key

Project: BLENHEIM BLVD

Tree #	DBH (Diameter at 4.5 feet above grade)	Common Name	Botanical Name	Condition Rating %	Condition Rating	Approx Canopy Radius (FT)	Approx Tree Height (FT)	Number of Stems	Calculated DBH (in)	SRZ (Structural Critical Root Zone (radius) in Feet)	CRZ (Critical Root Zone Radius in Ft (1.5 ft radius/in DBH))	Priority (1-4)	Tree within ROW	Removal	Preservation Measures: Root Prune	Tree Protection Fence	Mulch	Tree Condition Inspections	Special Arborist Treatment	Construction Oversight/Monitoring	By-Hand Work	Comments	Additional Notes	Condition Notes
465	11	holly, American	Ilex opaca	60%	Fair	6	40	1	11	5	17	2			X	X	X	X		X			broken leader;codom@25'	CompactedSoils, OverheadUtilities
466	8	holly, American	Ilex opaca	65%	Good	6	40	1	8	4	12	2			X	X	X	X		X				CompactedSoils, OverheadUtilities, Suppressed
467	5	holly, American	Ilex opaca	65%	Good	4	20	1	5	2	8	2			X	X	X	X		X				CompactedSoils, User2(makenote), Suppressed
468	9	holly, American	Ilex opaca	65%	Good	6	40	1	9	4	14	2			X	X	X	X		X				CompactedSoils, OverheadUtilities, Co-DominantStems, BrokenLimbs
469	5	holly, American	Ilex opaca	70%	Good	6	8	1	5	2	8	2			X	X	X	X		X				CompactedSoils, OverheadUtilities, BrokenLimbs, SmallDW(1-2")
470	7	holly, American	Ilex opaca	55%	Fair	5	30	1	7	3	11	2			X	X	X	X		X				CompactedSoils, OverheadUtilities, OneSided, Suppressed
471	7	holly, American	Ilex opaca	60%	Fair	5	34	1	7	3	11	2				X								CompactedSoils, OverheadUtilities, Suppressed
472	7	holly, American	Ilex opaca	60%	Fair	5	30	1	7	3	11	2				X								OverheadUtilities, CompactedSoils, Suppressed
473	6	holly, American	Ilex opaca	65%	Good	5	28	1	6	3	9	2				X								Suppressed, CompactedSoils, OverheadUtilities, SmallDW(1-2")
474	2,2,1,1,1	elm, Siberian	Ulmus pumila	40%	Poor	2	12	5	3	1	5	3	YES	X									previously removed; stump sprouts	CompactedSoils, OverheadUtilities
475	2,2,1,1,2, 1	boxelder	Acer negundo	40%	Poor	3	14	6	4	2	6	3	YES	X									previoudly removed, stump sprouts	CompactedSoils, OverheadUtilities
476	3,3	pear, Callery	Pyrus calleryana	45%	Fair	3	12	2	4	2	6	3	YES	X										CompactedSoils, OverheadUtilities, Co-DominantStems, Vines, Suppressed
477	3,2,2,2,3	arborvitae, eastern	Thuja occidentalis	60%	Fair	3	12	5	5	2	8	2	YES	X									heading cuts	Co-DominantStems, OverheadUtilities, CompactedSoils
478	5,3,3,4,4	cherry, sweet	Prunus avium	60%	Fair	7	20	5	9	4	13	2	YES	X									from sidewalk	Co-DominantStems, InclBark/WeakUnion, CompactedSoils, OverheadUtilities
479	5	redcedar, eastern	Juniperus virginiana	50%	Fair	5	14	1	5	2	8	2	YES	X										OneSided, OverheadUtilities, CompactedSoils
480	28	maple, red	Acer rubrum	45%	Fair	10	36	1	28	13	42	3		X									**REMOVAL RECOMMENDED. CITY ENGINEER APPROVAL REQUIRED FOR REMOVAL.**	from sidewalk; large heading cuts	OverheadUtilities, CompactedSoils, SeriousDecline, SmallDW(1-2"), LargeDW(3+), BranchDecay
481	26	cherry, sweet	Prunus avium	40%	Poor	10	26	1	26	12	39	3	YES	X									from sidewalk	Co-DominantStems, InclBark/WeakUnion, LargeDW(3+), SmallDW(1-2"), CompactedSoils, OverheadUtilities
482	4,3,3,2,2	crapemyrtle, common	Lagerstroemia indica	65%	Good	6	16	5	6	3	10	2	YES		X	X	X	X		X				Co-DominantStems, OverheadUtilities, CompactedSoils
483	4,4	mulberry, white	Morus alba	65%	Good	4	20	2	6	3	8	2	YES		X	X	X	X		X				CompactedSoils, OverheadUtilities, SmallDW(1-2")
484	8	pear, Callery	Pyrus calleryana	55%	Fair	8	20	1	8	4	12	3	YES		X	X	X	X		X			large heading cuts; from sidewalk	CompactedSoils, OverheadUtilities
485	5	dogwood, flowering	Cornus florida	65%	Good	6	20	1	5	2	8	2	YES		X	X	X	X		X			from sidewalk	CompactedSoils, OverheadUtilities
486	4,4,4,4,5, 5,3	crapemyrtle, common	Lagerstroemia indica	65%	Good	6	20	7	11	5	17	2	YES		X	X	X	X		X			from sidewalk	Co-DominantStems, InclBark/WeakUnion, CompactedSoils, OverheadUtilities
487	2,2,1,1,1	crapemyrtle, common	Lagerstroemia indica	50%	Fair	2	12	5	3	1	5	2	YES	X										Co-DominantStems, CompactedSoils, OverheadUtilities, Suppressed
488	5,5,4,4,4, 3	crapemyrtle, common	Lagerstroemia indica	55%	Fair	6	20	6	10	5	16	2	YES		X	X	X	X		X			from sidewalk; heading cuts	CompactedSoils, OverheadUtilities, Co-DominantStems
489	5,5,5,5,5, 5	crapemyrtle, common	Lagerstroemia indica	60%	Fair	6	20	6	12	6	18	2	YES		X	X	X	X		X			from sidewalk; heading cuts	CompactedSoils, OverheadUtilities, Co-DominantStems
490	10,8	pear, Callery	Pyrus calleryana	40%	Poor	10	24	2	13	6	19	3	YES	X									from sidewalk; heading cuts, numerous sprouts	Stressed, CompactedSoils, OverheadUtilities, SmallDW(1-2")
491	5	pear, Callery	Pyrus calleryana	65%	Good	4	18	1	5	2	8	2	YES	X									from sidewalk	CompactedSoils, OverheadUtilities
492	23	boxelder	Acer negundo	25%	Poor	5	18	1	23	10	35	4	YES	X										SeriousDecline, CompactedSoils, OverheadUtilities, LargeDW(3+), SmallDW(1-2"), Insect/DiseaseProblem, LowVigor, BranchDecay, TrunkDecay, Co-DominantStems, BrokenLimbs
493	5	dogwood, flowering	Cornus florida	30%	Poor	4	12	1	5	2	8	4	YES	X										Vines, SeriousDecline, SmallDW(1-2"), LowVigor, CompactedSoils, OverheadUtilities
494	8	pear, Callery	Pyrus calleryana	40%	Poor	6	18	1	8	4	12	3	YES	X									from sidewalk; heading cuts, numerous sprouts	CompactedSoils, OverheadUtilities, SmallDW(1-2"), Co-DominantStems
495	10	boxelder	Acer negundo	40%	Poor	7	30	1	10	5	15	3	YES	X									from sidewalk	CompactedSoils, OverheadUtilities, BranchDecay, SmallDW(1-2"), LargeDW(3+)
496	18,18	redcedar, eastern	Juniperus virginiana	60%	Fair	10	46	2	25	11	38	2				X	X	X	X	X	X		from sidewalk; numerous heading cuts	SmallDW(1-2"), LargeDW(3+), CompactedSoils, OverheadUtilities, Vines, Co-DominantStems, InclBark/WeakUnion
497	6,6,3,3,5	photinia spp.	Photinia spp.	45%	Fair	5	20	5	11	5	16	3	YES			X							from sidewalk	Stressed, Vines, OverheadUtilities, LargeDW(3+), SmallDW(1-2"), CompactedSoils
498	4,4,3,2	photinia spp.	Photinia spp.	45%	Fair	5	20	4	7	3	10	3	YES			X								LargeDW(3+), SmallDW(1-2"), Stressed, Vines, CompactedSoils
499	3,4,5,3,3	photinia spp.	Photinia spp.	35%	Poor	5	20	5	8	4	12	3	YES			X								LargeDW(3+), SmallDW(1-2"), Vines, CompactedSoils, Stressed, Suppressed, SeriousDecline
500	4,3,2,1,3	photinia spp.	Photinia spp.	30%	Poor	4	16	5	6	3	9	3	YES			X								Vines, Stressed, SeriousDecline, LowVigor, Suppressed, CompactedSoils
501	10	redcedar, eastern	Juniperus virginiana	60%	Fair	6	24	1	10	5	15	2				X								Vines, CompactedSoils, SmallDW(1-2")
502	11	elm, slippery	Ulmus rubra	65%	Good	9	48	1	11	5	17	2				X								SmallDW(1-2"), CompactedSoils, LargeDW(3+)
503	4,3,4,3,2, 3	photinia spp.	Photinia spp.	60%	Fair	6	20	6	8	4	12	2				X								CompactedSoils, Vines, SmallDW(1-2")
504	7	oak, willow	Quercus phellos	65%	Good	6	24	1	7	3	11	2				X								CompactedSoils, Vines, SmallDW(1-2")
505	10	redcedar, eastern	Juniperus virginiana	65%	Good	6	26	1	10	5	15	2			X	X	X	X		X			from sidewalk	CompactedSoils, Vines, Co-DominantStems, SmallDW(1-2")
506	3,3,3,2,5	photinia spp.	Photinia spp.	65%	Good	6	20	5	7	3	11	2	YES	X									from sidewalk	SmallDW(1-2"), Vines, CompactedSoils
507	5	mulberry, white	Morus alba	65%	Good	3	12	1	5	2	8	2			X	X	X	X		X				Vines, CompactedSoils, SmallDW(1-2")
508	23	cherry, sweet	Prunus avium	40%	Poor	10	32	1	23	10	35	3	YES	X									numerous heading cuts; from sidewalk	CompactedSoils, SmallDW(1-2"), Vines, BranchDecay, SeriousDecline, FungalFruitingBodies
509	5,3,3,3	photinia spp.	Photinia spp.	45%	Fair	4	12	4	7	3	11	3			X	X	X	X		X			from sidewalk	CompactedSoils, Vines, LowVigor
510	5	holly, American	Ilex opaca	70%	Good	3	12	1	5	2	8	2				X	X	X	X	X	X		from sidewalk	Suppressed, CompactedSoils, Vines
511	12	cryptomeria, Japanese	Cryptomeria japonica	70%	Good	8	50	1	12	5	18	2				X	X	X	X	X	X		from sidewalk	OverheadUtilities, Vines, SmallDW(1-2"), CompactedSoils
512	8	whitecedar, Atlantic	Chamaecyparis thyoides	40%	Poor	8	18	1	8	4	12	3		X									from sidewalk	SmallDW(1-2"), OverheadUtilities, CompactedSoils, LargeDW(3+), SeriousDecline, Stressed, OneSided
513	6	whitecedar, Atlantic	Chamaecyparis thyoides	40%	Poor	6	16	1	6	3	9	3		X									from sidewalk	SmallDW(1-2"), Stressed, Suppressed, LowVigor, CompactedSoils, OverheadUtilities
514	7	whitecedar, Atlantic	Chamaecyparis thyoides	60%	Fair	6	20	1	7	3	11	2				X	X	X	X	X	X		from sidewalk	OverheadUtilities, CompactedSoils, SmallDW(1-2"), BuriedRootCollar, Co-DominantStems
515	9	whitecedar, Atlantic	Chamaecyparis thyoides	60%	Fair	7	22	1	9	4	14	2				X	X	X	X	X	X			SmallDW(1-2"), OverheadUtilities, CompactedSoils, Suppressed
516	10	whitecedar, Atlantic	Chamaecyparis thyoides	60%	Fair	7	22	1	10	5	15	2				X	X	X	X	X	X		from sidewalk	SmallDW(1-2"), Suppressed, OverheadUtilities, CompactedSoils
517	8	whitecedar, Atlantic	Chamaecyparis thyoides	45%	Fair	5	16	1	8	4	12	3				X	X	X	X	X	X		from sidewalk	Suppressed, Co-DominantStems, InclBark/WeakUnion, SmallDW(1-2"), OverheadUtilities, CompactedSoils
518	11	whitecedar, Atlantic	Chamaecyparis thyoides	70%	Good	7	22	1	11	5	17	2				X	X	X	X	X	X		from sidewalk	SmallDW(1-2"), CompactedSoils, OverheadUtilities
519	10	whitecedar, Atlantic	Chamaecyparis thyoides	65%	Good	6	20	1	10	5	15	2				X	X	X	X	X	X			SmallDW(1-2"), OverheadUtilities, CompactedSoils, Suppressed
520	10	whitecedar, Atlantic	Chamaecyparis thyoides	55%	Fair	6	20	1	10	5	15	2				X	X	X	X	X	X			CompactedSoils, OverheadUtilities, SmallDW(1-2"), Suppressed, Co-DominantStems, InclBark/WeakUnion
521	7	whitecedar, Atlantic	Chamaecyparis thyoides	60%	Fair	6	22	1	7	3	11	2				X	X	X	X	X	X		from sidewalk	CompactedSoils, OverheadUtilities, SmallDW(1-2"), Co-DominantStems
522	11	whitecedar, Atlantic	Chamaecyparis thyoides	60%	Fair	6	22	1	11	5	17	2				X	X	X	X	X	X		from sidewalk	CompactedSoils, OverheadUtilities, SmallDW(1-2"), Suppressed
523	7	whitecedar, Atlantic	Chamaecyparis thyoides	60%	Fair	6	18	1	7	3	11	2				X	X	X	X	X	X		from sidewalk	OverheadUtilities, CompactedSoils, Suppressed, SmallDW(1-2"), Co-DominantStems, InclBark/WeakUnion
524	11	whitecedar, Atlantic	Chamaecyparis thyoides	60%	Fair	6	22	1	11	5	17	2				X	X	X	X	X	X		from sidewalk	Co-DominantStems, InclBark/WeakUnion, OverheadUtilities, SmallDW(1-2"), Suppressed
525	7	whitecedar, Atlantic	Chamaecyparis thyoides	60%	Fair	6	16	1	7	3	11	2				X	X	X	X	X	X		from sidewalk	CompactedSoils, OverheadUtilities, SmallDW(1-2"), Suppressed, Co-DominantStems
526	7	whitecedar, Atlantic	Chamaecyparis thyoides	50%	Fair	4	14	1	7	3	11	2				X	X	X	X	X	X		from sidewalk	ExcessiveLean, CompactedSoils, OverheadUtilities, Suppressed
527	7	whitecedar, Atlantic	Chamaecyparis thyoides	60%	Fair	6	20	1	7	3	11	2				X	X	X	X	X	X		from sidewalk	OverheadUtilities, SmallDW(1-2"), Suppressed, CompactedSoils
528	7	whitecedar, Atlantic	Chamaecyparis thyoides	65%	Good	6	22	1	7	3	11	2				X	X	X	X	X	X		from sidewalk	Suppressed, CompactedSoils, OverheadUtilities, SmallDW(1-2")

ISA# PD-1080A
CERTIFIED ARBORIST
32475.01
Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(21)

TREE #480 NOTES:
WSSI RECOMMENDS REMOVAL OF TREE #480 DUE TO THE EXTENT OF ROOT IMPACTS ANTICIPATED BY THE PROPOSED PROJECT.

AT THE OWNER'S REQUEST, THE TREE WILL BE RETAINED AND MONITORED THOUGH CONSTRUCTION.

SHOULD THE TREE SHOW SIGNS OF DECLINE OR STRUCTURAL INSTABILITY, REMOVAL WILL BE NECESSARY.

ARBORIST OVERSIGHT IS REQUIRED FOR ALL WORK IN THE VICINITY OF THIS TREE. CLOSELY MONITOR FOR ROOT DAMAGE AND ROOT PLATE LIFTING.

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

PROJECT	SHEET NO.
U000-151-R94	025(21)

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FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

TREE PRESERVATION SCHEDULE

Date: MAY 14, 2025

Tree Protection Action Key

Project: BLENHEIM BLVD

Tree #	DBH (Diameter at 4.5 feet above grade)	Common Name	Botanical Name	Condition Rating %	Condition Rating	Approx Canopy Radius (FT)	Approx Tree Height (FT)	Number of Stems	Calculated DBH (in)	SRZ Structural Critical Root Zone (radius) in Feet	CRZ Critical Root Zone Radius in Ft (1.5 ft radius/in DBH)	Priority (1-4)	Tree within ROW	Removal	Preservation Measures: Root Prune	Tree Protection Fence	Mulch	Tree Condition Inspections	Special Arborist Treatment	Construction Oversight/Monitoring	By-Hand Work	Comments	Additional Notes	Condition Notes
530	5	whitecedar, Atlantic	Chamaecyparis thyoides	45%	Fair	3	14	1	5	2	8	3				X	X	X	X	X	X		from sidewalk	CompactedSoils, OverheadUtilities, Suppressed, SmallDW(1-2"), NarrowCrown
531	6	whitecedar, Atlantic	Chamaecyparis thyoides	55%	Fair	4	16	1	6	3	9	2				X	X	X	X	X	X			CompactedSoils, OverheadUtilities, SmallDW(1-2"), Suppressed, NarrowCrown
532	5	whitecedar, Atlantic	Chamaecyparis thyoides	60%	Fair	3	14	1	5	2	8	2				X	X	X	X	X	X		from sidewalk	CompactedSoils, OverheadUtilities, Co-DominantStems, Suppressed, SmallDW(1-2")
533	11	cherry, black	Prunus serotina	65%	Good	6	44	1	11	5	17	2			X	X	X	X		X				Vines, CompactedSoils
534	26	hickory, pignut	Carya glabra	60%	Fair	16	64	1	26	12	39	2				X	X	X	X	X	X			LargeDW(3+), SmallDW(1-2"), Vines, OverheadUtilities
535	9	hickory, pignut	Carya glabra	20%	Critical	2	14	1	9	4	14	3	YES	X										LowVigor, SeriousDecline, LargeDW(3+), SmallDW(1-2"), Vines, Stressed
536	10	spruce, Norway	Picea abies	60%	Fair	8	18	1	10	5	15	2	YES			X	X	X	X	X	X			CompactedSoils, OverheadUtilities, SmallDW(1-2")
537	20	elm, slippery	Ulmus rubra	30%	Poor	10	30	1	20	9	30	3	YES	X									tag #021	SeriousDecline, Vines, LargeDW(3+), SmallDW(1-2"), ExcessiveLean
538	10,8	elm, slippery	Ulmus rubra	45%	Fair	10	50	2	13	6	19	3		X									tag #020	Vines, OverheadUtilities, LargeDW(3+), SmallDW(1-2"), Co-DominantStems, InclBark/WeakUnion
539	8	elm, slippery	Ulmus rubra	45%	Fair	6	28	1	8	4	12	2				X								ExcessiveLean, SmallDW(1-2"), Vines, Suppressed, LowVigor
540	11	cherry, black	Prunus serotina	40%	Poor	10	48	1	11	5	17	3				X							tag #019	LargeDW(3+), SmallDW(1-2"), BrokenLimbs, LowVigor
541	36	maple, silver	Acer saccharinum	60%	Fair	20	78	1	36	16	54	2			X	X	X	X		X			from sidewalk	Co-DominantStems, OverheadUtilities, CompactedSoils, LargeDW(3+), SmallDW(1-2")
542	40	maple, silver	Acer saccharinum	60%	Fair	20	78	1	40	18	60	2			X	X	X	X		X			from sidewalk	CompactedSoils, OverheadUtilities, Co-DominantStems, LargeDW(3+), SmallDW(1-2")
543	14	elm, slippery	Ulmus rubra	50%	Fair	6	24	1	14	6	21	2		X										OverheadUtilities, Vines, Suppressed, SmallDW(1-2")
544	8	elm, slippery	Ulmus rubra	60%	Fair	6	26	1	8	4	12	2				X								Vines, OverheadUtilities, SmallDW(1-2"), Suppressed
545	11	mulberry, white	Morus alba	45%	Fair	6	16	1	11	5	17	3				X								ExcessiveLean, Suppressed, Vines, OverheadUtilities, SmallDW(1-2"), LargeDW(3+)
546	35	tuliptree	Liriodendron tulipifera	30%	Poor	10	80	1	35	16	53	3			X	X	X		X				broken leader	LargeDW(3+), SmallDW(1-2"), Co-DominantStems, InclBark/WeakUnion
547	19	tuliptree	Liriodendron tulipifera	45%	Fair	15	70	1	19	9	29	2				X							abuts t548@base	OverheadUtilities, InclBark/WeakUnion, LargeDW(3+), SmallDW(1-2"), OneSided
548	36	tuliptree	Liriodendron tulipifera	50%	Fair	18	76	1	36	16	54	2			X	X	X	X		X			abuts t547@base	InclBark/WeakUnion, OneSided, OverheadUtilities, SmallDW(1-2"), LargeDW(3+), BrokenLimbs, Vines, BasalDecay
549	11	hackberry, common	Celtis occidentalis	30%	Poor	5	12	1	11	5	17	3		X									heading cuts with sprouts	Vines, OverheadUtilities, SmallDW(1-2"), BrokenLimbs
550	33	tuliptree	Liriodendron tulipifera	55%	Fair	18	70	1	33	15	50	2			X	X	X	X		X			phototpic lean at top	OneSided, SmallDW(1-2"), LargeDW(3+), BrokenLimbs, Vines
551	6	mulberry, white	Morus alba	40%	Poor	4	16	1	6	3	9	3				X								Suppressed, SmallDW(1-2"), Vines, Stressed, LowVigor
552	5	elm, slippery	Ulmus rubra	45%	Fair	4	14	1	5	2	8	3				X								Vines, Suppressed, SmallDW(1-2"), LowVigor
553	6	mulberry, white	Morus alba	30%	Poor	4	14	1	6	3	9	3				X								BrokenLimbs, LargeDW(3+), SmallDW(1-2"), Vines, Suppressed, LowVigor
554	5	elm, slippery	Ulmus rubra	45%	Fair	3	12	1	5	2	8	3				X								Vines, Stressed, SmallDW(1-2"), ExcessiveLean
555	71	tuliptree	Liriodendron tulipifera	65%	Good	22	100	1	71	32	107	2			X	X	X	X		X			basal cavity 2'x5""	LargeDW(3+), SmallDW(1-2")
556	23	maple, red	Acer rubrum	45%	Fair	16	44	1	23	10	35	2				X							top phototropic lean	Vines, BrokenLimbs, SmallDW(1-2"), Suppressed
557	31	tuliptree	Liriodendron tulipifera	65%	Good	18	86	1	31	14	47	2		X										SmallDW(1-2"), LargeDW(3+), CompactedSoils, OverheadUtilities, RootDamage/Decay
558	13	elm, slippery	Ulmus rubra	65%	Good	8	34	1	13	6	20	2		X										CompactedSoils, OverheadUtilities, SmallDW(1-2")
559	14	oak, willow	Quercus phellos	65%	Good	10	40	1	14	6	21	2				X	X	X	X		X			SmallDW(1-2"), CompactedSoils
560	26	locust, black	Robinia pseudoacacia	30%	Poor	9	48	1	26	12	39	4		X										FungalFruitingBodies, TrunkDecay, CompactedSoils, OverheadUtilities, SeriousDecline, LowVigor, Stressed, SmallDW(1-2"), LargeDW(3+)
561	36	tuliptree	Liriodendron tulipifera	65%	Good	13	80	1	36	16	54	2		X										RootDamage/Decay, CompactedSoils, OverheadUtilities, SmallDW(1-2"), LargeDW(3+)
562	39	oak, black	Quercus velutina	55%	Fair	20	80	1	39	18	59	2				X	X	X	X	X	X		gr 3"x2', 1"x3"; ground bulging @ root collar	RootDamage/Decay, CompactedSoils, LargeDW(3+), SmallDW(1-2"), OverheadUtilities, Girdling Roots
563	10	spruce, Norway	Picea abies	65%	Good	6	22	1	10	5	15	2				X	X	X	X	X	X			OverheadUtilities, Co-DominantStems
564	7	spruce, Norway	Picea abies	65%	Good	5	20	1	7	3	11	2				X	X	X	X	X	X			Co-DominantStems, OverheadUtilities
565	6,6	spruce, Norway	Picea abies	45%	Fair	3	16	2	8	4	13	3				X	X	X	X	X	X		from sidewalk	OverheadUtilities, Co-DominantStems, LowVigor
566	7,7	tuliptree	Liriodendron tulipifera	60%	Fair	8	28	2	10	4	15	2				X	X	X	X	X	X		from sidewalk	Co-DominantStems, OverheadUtilities, CompactedSoils, RootDamage/Decay, SmallDW(1-2")
567	3,2	boxelder	Acer negundo	65%	Good	5	14	2	4	2	5	2				X							from sidewalk	Co-DominantStems, OverheadUtilities
568	33	maple, silver	Acer saccharinum	65%	Good	18	68	1	33	15	50	2				X	X	X	X	X	X		from sidewalk	Co-DominantStems, OverheadUtilities, CompactedSoils, BrokenLimbs, SmallDW(1-2")
569	11	cherry, sweet	Prunus avium	50%	Fair	5	10	1	11	5	17	2			X	X	X	X		X			from sidewalk	Co-DominantStems, BranchDecay, LargeDW(3+), SmallDW(1-2")
570	1	holly, American	Ilex opaca	70%	Good	1	6	1	1	0	2	2				X							behind ex fence	from sidewalk	OverheadUtilities
571	1	holly, American	Ilex opaca	70%	Good	1	6	1	1	0	2	2				X							behind ex fence	from sidewalk	OverheadUtilities
572	1	cryptomeria, Japanese	Cryptomeria japonica	70%	Good	2	6	1	1	0	2	2				X							behind ex fence	from sidewalk	OverheadUtilities
573	1	cryptomeria, Japanese	Cryptomeria japonica	70%	Good	2	6	1	1	0	2	2				X							behind ex fence	from sidewalk	OverheadUtilities
574	8,9,7,7	holly, American	Ilex opaca	65%	Good	7	22	4	16	7	23	2			X	X	X	X		X			behind ex fence	from sidewalk	Co-DominantStems, SmallDW(1-2"), OverheadUtilities
575	1	whitecedar, Atlantic	Chamaecyparis thyoides	70%	Good	2	6	1	1	0	2	2				X							behind ex fence	from sidewalk	OverheadUtilities
576	1	whitecedar, Atlantic	Chamaecyparis thyoides	70%	Good	1	6	1	1	0	2	2				X							behind ex fence	from sidewalk	OverheadUtilities
577	1	whitecedar, Atlantic	Chamaecyparis thyoides	70%	Good	1	6	1	1	0	2	2				X							behind ex fence	from sidewalk	OverheadUtilities
578	1	holly, American	Ilex opaca	70%	Good	1	6	1	1	0	2	2				X							behind ex fence	from sidewalk	OverheadUtilities
579	1	cryptomeria, Japanese	Cryptomeria japonica	70%	Good	1	6	1	1	0	2	2				X							behind ex fence	from sidewalk	OverheadUtilities
580	1	cryptomeria, Japanese	Cryptomeria japonica	70%	Good	1	6	1	1	0	2	2				X							behind ex fence	from sidewalk	OverheadUtilities
581	1	whitecedar, Atlantic	Chamaecyparis thyoides	70%	Good	1	6	1	1	0	2	2				X							behind ex fence	from sidewalk	OverheadUtilities
582	1	whitecedar, Atlantic	Chamaecyparis thyoides	70%	Good	1	6	1	1	0	2	2				X							behind ex fence	from sidewalk	OverheadUtilities
583	1	whitecedar, Atlantic	Chamaecyparis thyoides	70%	Good	1	6	1	1	0	2	2				X							behind ex fence	from sidewalk	OverheadUtilities
584	1	whitecedar, Atlantic	Chamaecyparis thyoides	70%	Good	1	6	1	1	0	2	2				X							behind ex fence	from sidewalk	OverheadUtilities
585	1	whitecedar, Atlantic	Chamaecyparis thyoides	70%	Good	1	6	1	1	0	2	2				X							behind ex fence	from sidewalk	OverheadUtilities
586	25	tuliptree	Liriodendron tulipifera	65%	Good	12	78	1	25	11	38	2				X								butt swell	CompactedSoils, RootDamage/Decay, LargeDW(3+), SmallDW(1-2"), BrokenLimbs
587	14	oak, black	Quercus velutina	65%	Good	8	60	1	14	6	21	2				X								top phototropic lean	SmallDW(1-2"), CompactedSoils, RootDamage/Decay
588	11	dogwood, flowering	Cornus florida	65%	Good	8	18	1	11	5	17	2				X									CompactedSoils, RootDamage/Decay, SmallDW(1-2")
589	12	tuliptree	Liriodendron tulipifera	70%	Good	7	22	1	12	5	18	2		X										gr 1""x13""; 2""x8""	CompactedSoils, BuriedRootCollar, Girdling Roots
590	18	oak, willow	Quercus phellos	70%	Good	10	34	1	18	8	27	2				X	X	X	X	X	X				BuriedRootCollar, CompactedSoils, SmallDW(1-2")
591	19	maple, red	Acer rubrum	60%	Fair	10	28	1	19	9	29	2		X										gr 5""x6""	Girdling Roots, BrokenLimbs, SmallDW(1-2"), CompactedSoils, BuriedRootCollar, Co-DominantStems, OverheadUtilities
592	19	maple, red	Acer rubrum	60%	Fair	12	30	1	19	9	29	2		X										gr 3""x12""	CompactedSoils, BuriedRootCollar, OverheadUtilities, Girdling Roots, Co-DominantStems, SmallDW(1-2"), InclBark/WeakUnion, RootDamage/Decay
593	22	maple, red	Acer rubrum	65%	Good	11	40	1	22	10	33	2		X										gr 2""x14""	CompactedSoils, OverheadUtilities, Girdling Roots, Co-DominantStems, SmallDW(1-2"), RootDamage/Decay
594	6	oak, willow	Quercus phellos	70%	Good	4	22	1	6	3	9	2		X											BuriedRootCollar, CompactedSoils, OverheadUtilities
595	9	oak, willow	Quercus phellos	70%	Good	6	26	1	9	4	14	2		X											CompactedSoils, BuriedRootCollar, SmallDW(1-2")
596	18	maple, red	Acer rubrum	60%	Fair	12	40	1	18	8	27	2		X										gr 2""x7""	BuriedRootCollar, OverheadUtilities, CompactedSoils, Girdling Roots, InclBark/WeakUnion, RootDamage/Decay, SmallDW(1-2")
597	25	maple, red	Acer rubrum	60%	Fair	11	40	1	25	11	38	2		X										gr 1""x14""	CompactedSoils, BuriedRootCollar, RootDamage/Decay, Girdling Roots, SmallDW(1-2"), BrokenLimbs, LargeDW(3+)
598	8	tuliptree	Liriodendron tulipifera	70%	Good	6	38	1	8	4	12	2		X											BuriedRootCollar, CompactedSoils
599	22	maple, red	Acer rubrum	20%	Critical	10	38	1	22	10	33	4		X										separation at union 4""; missing bark base to 4' half trunk circumf.	CompactedSoils, BuriedRootCollar, OverheadUtilities, SmallDW(1-2"), RootDamage/Decay, Co-DominantStems, InclBark/WeakUnion, User2(makenote)
600	9	dogwood, flowering	Cornus florida	65%	Good	6	14	1	9	4	14	2		X											BuriedRootCollar, CompactedSoils, Hardware, SmallDW(1-2")
601	6	dogwood, flowering	Cornus florida	65%	Good	5	14	1	6	3	9	2		X											SmallDW(1-2"), CompactedSoils
602	11	maple, red	Acer rubrum	65%	Good	11	26	1	11	5	17	2		X											CompactedSoils, OverheadUtilities, BuriedRootCollar, SmallDW(1-2")

Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlands.com

CERTIFIED ARBORIST
CARY HULSE
ISA# PD-1080A
3247SDI
Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(22)

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

	PROJECT	SHEET NO.
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FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

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TREE PRESERVATION SCHEDULE

Date: MAY 14, 2025

Tree Protection Action Key

Project: BLENHEIM BLVD

Tree #	DBH (Diameter at 4.5 feet above grade)	Common Name	Botanical Name	Condition Rating %	Condition Rating	Approx Canopy Radius (FT)	Approx Tree Height (FT)	Number of Stems	Calculated DBH (in)	SRZ Structural Critical Root Zone (radius) in Feet	CRZ Critical Root Zone Radius in Ft (1.5 ft radius/in DBH)	Priority (1-4)	Tree within ROW	Removal	Preservation Measures: Root Prune	Tree Protection Fence	Mulch	Tree Condition Inspections	Special Arborist Treatment	Construction Oversight/Monitoring	By-Hand Work	Comments	Additional Notes	Condition Notes
603	11	maple, red	Acer rubrum	70%	Good	10	28	1	11	5	17	2		X										BuriedRootCollar, CompactedSoils
604	24	maple, red	Acer rubrum	65%	Good	13	36	1	24	11	36	2		X										OverheadUtilities, CompactedSoils, BasalDecay, SmallDW(1-2")
605	7	oak, willow	Quercus phellos	65%	Good	7	20	1	7	3	11	2		X										CompactedSoils, BuriedRootCollar
606	19	maple, red	Acer rubrum	65%	Good	10	22	1	19	9	29	2		X									gr 2""x8""; heading cuts	CompactedSoils, OverheadUtilities, Girdling Roots, SmallDW(1-2"), BrokenLimbs
607	20	maple, red	Acer rubrum	55%	Fair	13	26	1	20	9	30	3		X									leader decline; heading cuts	RootDamage/Decay, OverheadUtilities, LargeDW(3+), SmallDW(1-2"), BranchDecay, User2(makenote)
608	11	tuliptree	Liriodendron tulipifera	70%	Good	7	34	1	11	5	17	2		X										CompactedSoils, BuriedRootCollar, SmallDW(1-2")
609	6	dogwood, flowering	Cornus florida	70%	Good	5	18	1	6	3	9	2		X										SmallDW(1-2"), CompactedSoils
610	18	maple, red	Acer rubrum	70%	Good	11	28	1	18	8	27	2		X										CompactedSoils, BuriedRootCollar, OverheadUtilities, RootDamage/Decay
611	25	tuliptree	Liriodendron tulipifera	40%	Poor	5	50	1	25	11	38	3		X									limbed for power lines	OverheadUtilities, CompactedSoils, OneSided, RootDamage/Decay
612	6,5	dogwood, flowering	Cornus florida	65%	Good	6	16	2	8	4	12	2		X										BuriedRootCollar, CompactedSoils, SmallDW(1-2"), Co-DominantStems
613	4,3	dogwood, flowering	Cornus florida	65%	Good	4	14	2	5	2	8	2		X										BuriedRootCollar, CompactedSoils, Co-DominantStems
614	5	dogwood, flowering	Cornus florida	50%	Fair	3	10	1	5	2	8	3		X										BasalDecay, CompactedSoils, SmallDW(1-2"), TrunkDecay
615	28	tuliptree	Liriodendron tulipifera	30%	Poor	7	70	1	28	13	42	3		X									limbed for utilities	CompactedSoils, OverheadUtilities, OneSided, SmallDW(1-2"), LargeDW(3+), RootDamage/Decay
616	13	tuliptree	Liriodendron tulipifera	30%	Poor	5	60	1	13	6	20	3		X									limbed for utilities	CompactedSoils, OneSided, RootDamage/Decay, SmallDW(1-2"), LargeDW(3+)
617	5	tuliptree	Liriodendron tulipifera	65%	Good	2	18	1	5	2	8	2		X										BuriedRootCollar, CompactedSoils, NarrowCrown
618	12	maple, red	Acer rubrum	60%	Fair	10	28	1	12	5	18	2		X										CompactedSoils, OverheadUtilities, SmallDW(1-2"), RootDamage/Decay, BrokenLimbs
619	17,15	tuliptree	Liriodendron tulipifera	50%	Fair	9	68	2	23	10	34	2		X									limbed for utilities	Co-DominantStems, RootDamage/Decay, CompactedSoils, OverheadUtilities, SmallDW(1-2"), LargeDW(3+)
620	2,1	ash, green	Fraxinus pennsylvanica	70%	Good	2	8	2	2	1	3	2		X										BuriedRootCollar, Co-DominantStems
621	16	pine, Virginia	Pinus virginiana	65%	Good	8	36	1	16	7	24	2		X										RootDamage/Decay, CompactedSoils, SmallDW(1-2")
622	19	tuliptree	Liriodendron tulipifera	40%	Poor	10	70	1	19	9	29	3		X									gr 1""x7""; 2""x5""; 1""x6""	RootDamage/Decay, CompactedSoils, OverheadUtilities, Girdling Roots, SmallDW(1-2"), LargeDW(3+), LowVigor
623	8	tuliptree	Liriodendron tulipifera	50%	Fair	2	12	1	8	4	12	3		X										OverheadUtilities, CompactedSoils, TrunkDecay, MechanicalDamage
624	20	maple, red	Acer rubrum	60%	Fair	8	24	1	20	9	30	2		X									abutting t625	CompactedSoils, RootDamage/Decay, OneSided, InclBark/WeakUnion
625	19	tuliptree	Liriodendron tulipifera	60%	Fair	12	68	1	19	9	29	2		X									abutting t624	CompactedSoils, RootDamage/Decay, InclBark/WeakUnion
626	16	pine, Virginia	Pinus virginiana	25%	Poor	5	46	1	16	7	24	3		X									long. crack to 6' both sides; 2nd crack to 3'	OverheadUtilities, CompactedSoils, TrunkDecay, SmallDW(1-2"), LargeDW(3+)
627	7	oak, willow	Quercus phellos	65%	Good	5	28	1	7	3	11	2		X										CompactedSoils, BuriedRootCollar, SmallDW(1-2"), BrokenLimbs
628	5	pine, Virginia	Pinus virginiana	40%	Poor	3	20	1	5	2	8	3		X										CompactedSoils, BuriedRootCollar, MechanicalDamage
629	11	tuliptree	Liriodendron tulipifera	65%	Good	9	50	1	11	5	17	2		X										CompactedSoils, LargeDW(3+), SmallDW(1-2")
630	12	tuliptree	Liriodendron tulipifera	70%	Good	10	64	1	12	5	18	2		X										CompactedSoils, SmallDW(1-2")
631	10	pine, Virginia	Pinus virginiana	50%	Fair	3	26	1	10	5	15	2		X										ExcessiveLean, CompactedSoils, SmallDW(1-2"), LargeDW(3+), OverheadUtilities
632	26	maple, red	Acer rubrum	55%	Fair	10	64	1	26	12	39	2		X									prev. codom failure	CompactedSoils, BrokenLimbs, SmallDW(1-2"), OverheadUtilities, RootDamage/Decay, BranchDecay
633	14	maple, red	Acer rubrum	60%	Fair	8	48	1	14	6	21	2		X										CompactedSoils, OneSided, RootDamage/Decay, BrokenLimbs, SmallDW(1-2")
634	27	maple, red	Acer rubrum	60%	Fair	10	60	1	27	12	41	2		X										CompactedSoils, RootDamage/Decay, OneSided, SmallDW(1-2")
635	19	maple, red	Acer rubrum	60%	Fair	11	60	1	19	9	29	2		X										CompactedSoils, RootDamage/Decay, OverheadUtilities, BrokenLimbs, SmallDW(1-2"), OneSided
636	11	dogwood, flowering	Cornus florida	65%	Good	6	18	1	11	5	17	2		X										CompactedSoils, TrunkDecay, BranchDecay
637	21	locust, black	Robinia pseudoacacia	55%	Fair	10	50	1	21	9	32	3		X									1""x14"" gr	MechanicalDamage, CompactedSoils, RootDamage/Decay, Girdling Roots, OverheadUtilities, BasalDecay, SeriousDecline, LargeDW(3+)
638	18	locust, black	Robinia pseudoacacia	50%	Fair	8	24	1	18	8	27	3		X										MechanicalDamage, TrunkDecay, SmallDW(1-2"), OverheadUtilities, CompactedSoils, OneSided, LargeDW(3+), BuriedRootCollar
639	25	pine, Virginia	Pinus virginiana	60%	Fair	16	58	1	25	11	38	2		X									gr 2""x24""	CompactedSoils, Girdling Roots, SmallDW(1-2"), LargeDW(3+)
640	8	maple, red	Acer rubrum	70%	Good	7	18	1	8	4	12	2			X									BuriedRootCollar
641	12	pine, Virginia	Pinus virginiana	55%	Fair	9	38	1	12	5	18	2			X	X	X	X		X			abutting t642	CompactedSoils, LargeDW(3+), SmallDW(1-2"), Suppressed, InclBark/WeakUnion
642	14	maple, red	Acer rubrum	60%	Fair	12	40	1	14	6	21	2			X	X	X	X		X			abutting t641	InclBark/WeakUnion, SmallDW(1-2"), LargeDW(3+), BrokenLimbs, CompactedSoils, RootDamage/Decay
643	22	pine, Virginia	Pinus virginiana	60%	Fair	10	56	1	22	10	33	2		X										CompactedSoils, RootDamage/Decay, LargeDW(3+), SmallDW(1-2"), OverheadUtilities, OneSided
644	13	pine, Virginia	Pinus virginiana	55%	Fair	8	26	1	13	6	20	2			X	X	X	X		X			top phototropic lean	RootDamage/Decay, CompactedSoils, OneSided, Suppressed, SmallDW(1-2"), LargeDW(3+)
645	13,11	pine, Virginia	Pinus virginiana	45%	Fair	8	20	2	17	8	26	3			X	X	X	X		X			long. crack in top2': broken leader	OverheadUtilities, Co-DominantStems, TrunkDecay, OneSided, CompactedSoils, SmallDW(1-2"), LargeDW(3+)
646	19	pine, Virginia	Pinus virginiana	55%	Fair	9	58	1	19	9	29	2			X	X	X	X		X				OneSided, CompactedSoils, RootDamage/Decay, LargeDW(3+), SmallDW(1-2"), OverheadUtilities
647	20	tuliptree	Liriodendron tulipifera	60%	Fair	12	40	1	20	9	30	2			X	X	X	X		X				ExcessiveLean, Stressed, CompactedSoils, SmallDW(1-2")
648	41	oak, southern red	Quercus falcata	65%	Good	20	68	1	41	18	62	2			X	X	X	X		X			4""x36""	Girdling Roots, RootDamage/Decay, LargeDW(3+), SmallDW(1-2"), CompactedSoils
649	3,1,1,1	arborvitae, eastern	Thuja occidentalis	65%	Good	2	8	4	3	2	5	2			X									Co-DominantStems, OverheadUtilities
650	3,2,1	arborvitae, eastern	Thuja occidentalis	65%	Good	2	8	3	4	2	6	2			X	X	X	X		X				Co-DominantStems, OverheadUtilities
651	2,2,1	arborvitae, eastern	Thuja occidentalis	65%	Good	2	8	3	3	1	5	2			X									Co-DominantStems, OverheadUtilities
652	11	pine, Virginia	Pinus virginiana	60%	Fair	9	46	1	11	5	17	2			X	X	X	X		X				OneSided, SmallDW(1-2"), OverheadUtilities
653	18	pine, Virginia	Pinus virginiana	60%	Fair	13	48	1	18	8	27	2			X	X	X	X		X				OneSided, OverheadUtilities, SmallDW(1-2")
654	3,2,2	arborvitae, eastern	Thuja occidentalis	65%	Good	2	8	3	4	2	6	2			X									Co-DominantStems
655	3,3,3,2	arborvitae, eastern	Thuja occidentalis	65%	Good	2	8	4	6	3	8	2			X									Co-DominantStems
878	15	tuliptree	Liriodendron tulipifera	65%	Good	20	78	1	15	7	23	2			X									SmallDW(1-2"), BuriedRootCollar
879	7	maple, red	Acer rubrum	50%	Fair	6	40	1	7	3	11	3	YES		X	X	X	X		X				BasalDecay, TrunkDecay, OverheadUtilities, OneSided, Suppressed, LowVigor
880	16	tuliptree	Liriodendron tulipifera	55%	Fair	15	70	1	16	7	24	2	YES	X										OneSided, Suppressed, SmallDW(1-2"), OverheadUtilities
881	17	pine, Virginia	Pinus virginiana	50%	Fair	15	82	1	17	8	26	3	YES	X									Low LCR	OverheadUtilities, OneSided, BranchDecay, BrokenLimbs, LargeDW(3+), SmallDW(1-2")
882	16	pine, Virginia	Pinus virginiana	55%	Fair	15	80	1	16	7	24	2	YES		X	X	X	X		X			low LCR	OverheadUtilities, LargeDW(3+), SmallDW(1-2"), BranchDecay, BrokenLimbs
883	5,2	holly, American	Ilex opaca	65%	Good	8	24	2	5	2	8	2				X								Co-DominantStems, OverheadUtilities
884	5,4	holly, American	Ilex opaca	65%	Good	8	26	2	6	3	10	2				X								Co-DominantStems, OverheadUtilities
885	19	maple, red	Acer rubrum	50%	Fair	20	74	1	19	9	29	3	YES		X	X	X	X		X				Stressed, RootDamage/Decay, Co-DominantStems, LargeDW(3+), SmallDW(1-2"), BranchDecay, BrokenLimbs, OverheadUtilities
886	15,8	hickory spp.	Carya spp.	50%	Fair	25	80	2	17	8	26	2	YES	X										Co-DominantStems, InclBark/WeakUnion, SmallDW(1-2"), CompactedSoils
887	7	maple, red	Acer rubrum	60%	Fair	20	50	1	7	3	11	3	YES		X	X	X	X		X			old leader cut with new apical growth	OverheadUtilities, SmallDW(1-2"), Suppressed
888	16	hickory spp.	Carya spp.	60%	Fair	20	92	1	16	7	24	2	YES		X	X	X	X		X			GR one inch by one foot	OverheadUtilities, Girdling Roots, Co-DominantStems
889	14	blackgum	Nyssa sylvatica	50%	Fair	12	70	1	14	6	21	2			X	X	X	X		X				CompactedSoils, OneSided, OverheadUtilities, SmallDW(1-2")
890	6	maple, red	Acer rubrum	50%	Fair	15	24	1	6	3	9	3	YES		X	X	X	X		X				Co-DominantStems, InclBark/WeakUnion, TrunkDecay, RootDamage/Decay, SmallDW(1-2")
891	13	beech, American	Fagus grandifolia	60%	Fair	10	64	1	13	6	20	2				X							two large, old cracks with new response wood	OverheadUtilities, SmallDW(1-2")
892	14	pine, Virginia	Pinus virginiana	40%	Poor	10	76	1	14	6	21	3			X	X	X	X		X			low LCR	BasalDecay, NarrowCrown, OneSided, OverheadUtilities, LargeDW(3+), SmallDW(1-2"), BrokenLimbs
893	8	tuliptree	Liriodendron tulipifera	45%	Fair	10	60	1	8	4	12	3	YES		X	X	X	X		X				OneSided, OverheadUtilities, SmallDW(1-2")
894	5	maple, red	Acer rubrum	55%	Fair	6	30	1	5	2	8	3	YES		X	X	X	X		X				SmallDW(1-2"), BasalDecay, OverheadUtilities
895	19	maple, red	Acer rubrum	50%	Fair	20	78	1	19	9	29	3	YES	X										BasalDecay, RootDamage/Decay, TrunkDecay, OverheadUtilities
896	8	beech, American	Fagus grandifolia	65%	Good	12	40	1	8	4	12	2				X								SmallDW(1-2"), OverheadUtilities
897	14	oak, black	Quercus velutina	60%	Fair	15	76	1	14	6	21	2			X	X	X	X		X				OverheadUtilities, LargeDW(3+), SmallDW(1-2")
898	20	pine, Virginia	Pinus virginiana	50%	Fair	20	82	1	20	9	30	3	YES	X									GR three inches by two feet, very close to utility line	TrunkDecay, Girdling Roots, OverheadUtilities, BranchDecay, BrokenLimbs
899	13	hickory spp.	Carya spp.	40%	Poor	15	72	1	13	6	20	3	YES	X									GR two inches by one foot on uphill side, basal cavity on downslope side	BasalDecay, OverheadUtilities, Girdling Roots
900	5	beech, American	Fagus grandifolia	65%	Good	8	24	1	5	2	8	2	YES		X	X	X	X		X				OverheadUtilities
901	12	maple, red	Acer rubrum	55%	Fair	23	60	1	12	5	18	3			X	X	X	X		X			GR one inch by two feet, trunk is touching utility line	RootDamage/Decay, Girdling Roots, LargeDW(3+), FungalFruitingBodies, SmallDW(1-2"), OverheadUtilities
902	17	pine, Virginia	Pinus virginiana	50%	Fair	15	68	1	17	8	26	3	YES	X										RootDamage/Decay, CompactedSoils, BasalDecay, OverheadUtilities, LargeDW(3+), SmallDW(1-2"), BrokenLimbs
903	10	beech, American	Fagus grandifolia	65%	Good	15	60	1	10	5	15	2	YES	X										Suppressed, OverheadUtilities
904	10	oak, pin	Quercus palustris	60%	Fair	8	56	1	10	5	15	2	YES	X									on slope, prune limb over roadway	OverheadUtilities, SmallDW(1-2")
905	13	maple, red	Acer rubrum	50%	Fair	12	70	1	13	6	20	3		X										OverheadUtilities, BasalDecay, TrunkDecay, LargeDW(3+), SmallDW(1-2")

Wetland Studies and Solutions, Inc. a DAVEY company
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Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlands.com

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CERTIFIED ARBORIST CARY HULSE ISA# PD-1080A
32475.01
Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive Suite 100 Gainesville, Virginia 20155

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(23)

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	U000-151-R94	025(23)

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

TREE PRESERVATION SCHEDULE

Date: MAY 14, 2025

Tree Protection Action Key

Project: BLENHEIM BLVD

Tree #	DBH (Diameter at 4.5 feet above grade)	Common Name	Botanical Name	Condition Rating %	Condition Rating	Approx Canopy Radius (FT)	Approx Tree Height (FT)	Number of Stems	Calculated DBH (in)	SRZ Structural Critical Root Zone (radius) in Feet	CRZ Critical Root Zone Radius in Ft (1.5 ft radius/in DBH)	Priority (1-4)	Tree within ROW	Removal	Preservation Measures: Root Prune	Tree Protection Fence	Mulch	Tree Condition Inspections	Special Arborist Treatment	Construction Oversight/Monitoring	By-Hand Work	Comments	Additional Notes	Condition Notes
906	5	holly, American	Ilex opaca	70%	Good	6	20	1	5	2	8	2	YES	X										OverheadUtilities, Suppressed
907	18	maple, red	Acer rubrum	45%	Fair	20	74	1	18	8	27	3	YES	X										GR three inches by three feet, large hanger thirty feet up	Girdling Roots, BranchDecay, BrokenLimbs, Co-DominantStems, OverheadUtilities, ExcessiveLean, SmallDW(1-2"), LargeDW(3+)
908	12	sassafras	Sassafras albidum	45%	Fair	15	56	1	12	5	18	3	YES	X										numerous girdling roots	Girdling Roots, BasalDecay, OverheadUtilities, BuriedRootCollar, BrokenLimbs
909	14	beech, American	Fagus grandifolia	45%	Fair	20	64	1	14	6	21	3	YES	X										GR one inch by two feet, significant decay near root flare	Co-DominantStems, BasalDecay, RootDamage/Decay, CompactedSoils, OverheadUtilities, Girdling Roots, InclBark/WeakUnion
910	18	oak, black	Quercus velutina	40%	Poor	20	80	1	18	8	27	3		X										GR's 270 degrees around the trunk	Girdling Roots, Co-DominantStems, BranchDecay, BrokenLimbs, InclBark/WeakUnion, OverheadUtilities, RootDamage/Decay
911	26	maple, red	Acer rubrum	50%	Fair	20	76	1	26	12	39	3	YES	X										numerous small GR's	Co-DominantStems, InclBark/WeakUnion, TrunkDecay, RootDamage/Decay, OverheadUtilities, SmallDW(1-2"), Girdling Roots
912	13	cherry, black	Prunus serotina	45%	Fair	15	58	1	13	6	20	3	YES	X										GR two inches by three feet	ExcessiveLean, RootDamage/Decay, BasalDecay, LargeDW(3+), SmallDW(1-2"), Girdling Roots
913	40	oak, southern red	Quercus falcata	65%	Good	40	92	1	40	18	60	2	YES	X										GR one inch by two feet	RootDamage/Decay, CompactedSoils, BrokenLimbs, BranchDecay, OverheadUtilities, Girdling Roots
914	8	dogwood, flowering	Cornus florida	60%	Fair	12	20	1	8	4	12	2			X	X	X	X			X			diameter measured one foot above soil	BuriedRootCollar, Co-DominantStems, BranchDecay, InclBark/WeakUnion
915	6	ash, green	Fraxinus pennsylvanica	45%	Fair	8	30	1	6	3	9	3	YES			X									CompactedSoils, Suppressed, Insect/DiseaseProblem, SmallDW(1-2")
916	6	maple, red	Acer rubrum	45%	Fair	8	36	1	6	3	9	3	YES			X									Vines, ExcessiveLean, Suppressed, SmallDW(1-2")
917	14	oak, southern red	Quercus falcata	65%	Good	20	64	1	14	6	21	2	YES			X									CompactedSoils, RootDamage/Decay, OverheadUtilities, SmallDW(1-2")
918	14,10,10,9	maple, red	Acer rubrum	40%	Poor	15	46	4	22	10	33	3	YES			X									RootDamage/Decay, Vines, OneSided, Suppressed, Co-DominantStems, InclBark/WeakUnion, TrunkDecay, BranchDecay, OverheadUtilities
919	7	beech, American	Fagus grandifolia	55%	Fair	7	20	1	7	3	11	2	YES			X									CompactedSoils, RootDamage/Decay, TrunkDecay, BasalDecay, SmallDW(1-2")
920	10,6	blackgum	Nyssa sylvatica	50%	Fair	20	50	2	12	5	17	2	YES			X								GR one inch by twelve inches	Co-DominantStems, Vines, LowVigor, Stressed, Girdling Roots
921	6	beech, American	Fagus grandifolia	35%	Poor	6	40	1	6	3	9	3	YES			X								dead leader, very thin canopy	Vines, Suppressed, SeriousDecline, SmallDW(1-2"), LargeDW(3+)
922	5	beech, American	Fagus grandifolia	60%	Fair	7	28	1	5	2	8	2	YES			X								dead leader	SmallDW(1-2"), Suppressed
923	6	beech, American	Fagus grandifolia	60%	Fair	10	46	1	6	3	9	2	YES			X									TrunkDecay, BranchDecay, SmallDW(1-2")
924	18	tuliptree	Liriodendron tulipifera	45%	Fair	12	64	1	18	8	27	3				X									BasalDecay, NarrowCrown, LowVigor, LargeDW(3+), SmallDW(1-2"), OverheadUtilities, BranchDecay, BrokenLimbs
925	15	oak, northern red	Quercus rubra	60%	Fair	20	58	1	15	7	23	2				X									Co-DominantStems, SmallDW(1-2"), OverheadUtilities
926	9	beech, American	Fagus grandifolia	60%	Fair	14	42	1	9	4	14	2	YES			X									OverheadUtilities, Suppressed, SmallDW(1-2")
927	9	maple, red	Acer rubrum	60%	Fair	15	40	1	9	4	14	2				X									SmallDW(1-2"), BranchDecay, Suppressed
928	8	beech, American	Fagus grandifolia	65%	Good	12	32	1	8	4	12	2	YES			X									SmallDW(1-2"), Suppressed
929	30	oak, black	Quercus velutina	60%	Fair	20	90	1	30	14	45	2	YES			X									Co-DominantStems, SmallDW(1-2"), RootDamage/Decay, OverheadUtilities
930	8	beech, American	Fagus grandifolia	60%	Fair	15	26	1	8	4	12	2	YES			X								split leader	Vines, Co-DominantStems, RootDamage/Decay, CompactedSoils
931	22	tuliptree	Liriodendron tulipifera	40%	Poor	12	76	1	22	10	33	3	YES			X									NarrowCrown, BasalDecay, RootDamage/Decay
932	10	cherry, sweet	Prunus avium	50%	Fair	10	40	1	10	5	15	2	YES			X									Vines, LargeDW(3+), SmallDW(1-2"), Suppressed
933	5	blackgum	Nyssa sylvatica	60%	Fair	8	26	1	5	2	8	2	YES			X									LargeDW(3+), Vines, BrokenLimbs, BranchDecay
934	30	ash, green	Fraxinus pennsylvanica	40%	Poor	20	76	1	30	14	45	3	YES			X									Insect/DiseaseProblem, CompactedSoils, RootDamage/Decay, BrokenLimbs, Stressed, SmallDW(1-2"), LargeDW(3+)
935	21	maple, red	Acer rubrum	45%	Fair	12	68	1	21	9	32	3	YES			X								leaning over roadway	ExcessiveLean, CompactedSoils, RootDamage/Decay, BasalDecay, Stressed, OverheadUtilities
936	32	tuliptree	Liriodendron tulipifera	40%	Poor	20	90	1	32	14	48	3	YES			X								numerous small GR's, significant trunk cavity (a few cubic feet)	Girdling Roots, BasalDecay, TrunkDecay, OneSided, CompactedSoils, RootDamage/Decay, OverheadUtilities
937	31	tuliptree	Liriodendron tulipifera	60%	Fair	25	86	1	31	14	47	2	YES			X								GR two inches by four feet	Girdling Roots, OverheadUtilities, RootDamage/Decay, SmallDW(1-2"), CompactedSoils
938	5	sassafras	Sassafras albidum	50%	Fair	7	22	1	5	2	8	3	YES			X									Vines, OverheadUtilities, BuriedRootCollar, OneSided, SmallDW(1-2")
939	39	tuliptree	Liriodendron tulipifera	55%	Fair	35	92	1	39	18	59	2	YES			X									OverheadUtilities, Vines, RootDamage/Decay, CompactedSoils, BrokenLimbs, BranchDecay, LargeDW(3+), SmallDW(1-2")
940	6	ZZ Unknown species	ZZ Unknown species	60%	Fair	8	20	1	6	3	9	2	YES		X	X	X	X		X					BuriedRootCollar, Co-DominantStems, OverheadUtilities, BranchDecay, SmallDW(1-2"), InclBark/WeakUnion
941	6	dogwood, flowering	Cornus florida	65%	Good	6	10	1	6	3	9	2	YES	X										diameter measured two feet above soil	BuriedRootCollar, OverheadUtilities, Co-DominantStems
942	22	hickory, mockernut	Carya tomentosa	60%	Fair	20	78	1	22	10	33	2			X	X	X	X		X				GR 3"" by 4 feet	Girdling Roots, Co-DominantStems, OverheadUtilities, SmallDW(1-2")
943	23	hickory, mockernut	Carya tomentosa	55%	Fair	30	76	1	23	10	35	2				X									Co-DominantStems, InclBark/WeakUnion, OverheadUtilities, SmallDW(1-2")
944	24	ZZ Unknown snag	ZZ Unknown snag	0%	Dead	0	40	1	24	11	36	4				X									OverheadUtilities
945	25	maple, red	Acer rubrum	55%	Fair	25	70	1	25	11	38	2				X								GR one inch by twelve inches	BasalDecay, Girdling Roots, OverheadUtilities, Co-DominantStems, TrunkDecay, SmallDW(1-2")
946	6	dogwood, flowering	Cornus florida	60%	Fair	10	20	1	6	3	9	2				X								diameter measured one foot above soil	OverheadUtilities, BuriedRootCollar, Co-DominantStems, InclBark/WeakUnion, SmallDW(1-2")
947	6	dogwood, flowering	Cornus florida	65%	Good	15	22	1	6	3	9	2	YES			X									OverheadUtilities, BuriedRootCollar, Co-DominantStems
948	5,3	dogwood, flowering	Cornus florida	55%	Fair	10	22	2	6	3	9	2	YES			X								touching utility line	BasalDecay, Co-DominantStems, OverheadUtilities, SmallDW(1-2")
953	9	dogwood, flowering	Cornus florida	50%	Fair	6	20	1	9	4	14	2	YES			X								diameter measured two feet from ground, touching utility lines	Co-DominantStems, BuriedRootCollar, InclBark/WeakUnion, OverheadUtilities, MechanicalDamage, Suppressed
955	8	dogwood, flowering	Cornus florida	40%	Poor	6	20	1	8	4	12	3	YES			X								crack at leader union, dbh measured two feet above ground	Co-DominantStems, BrokenLimbs, BasalDecay, TrunkDecay, BranchDecay, InclBark/WeakUnion
956	9	maple, sugar	Acer saccharum	55%	Fair	15	26	1	9	4	14	2			X	X	X	X		X				topped, private property	OverheadUtilities, Suppressed, MechanicalDamage, BuriedRootCollar
957	13	cherry, Japanese flowering	Prunus serrulata	60%	Fair	20	30	1	13	6	20	2			X	X	X	X		X				private property	OverheadUtilities, BuriedRootCollar, Co-DominantStems, InclBark/WeakUnion
958	11	cherry, Japanese flowering	Prunus serrulata	65%	Good	15	26	1	11	5	17	2			X	X	X	X		X				private property	OverheadUtilities, BuriedRootCollar, Co-DominantStems
959	8	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	6	30	1	8	4	12	2			X	X	X	X		X				topped, private property	OverheadUtilities, Suppressed, MechanicalDamage
960		cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	6	30	1	8	4	12	2			X	X	X	X		X				topped, private property	OverheadUtilities, Suppressed, MechanicalDamage
961	8	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	6	30	1	8	4	12	2			X	X	X	X		X				topped, private property	OverheadUtilities, Suppressed, MechanicalDamage
962	6	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	5	30	1	6	3	9	2			X	X	X	X		X				topped, private property	OverheadUtilities, Suppressed, MechanicalDamage
963	8	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	6	30	1	8	4	12	2			X	X	X	X		X				topped, private property	OverheadUtilities, Suppressed, MechanicalDamage
964	8	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	6	30	1	8	4	12	2			X	X	X	X		X				topped, private property	OverheadUtilities, MechanicalDamage, Suppressed
965	8	cypress, Leyland	x Cupressocyparis leylandii	50%	Fair	6	30	1	8	4	12	2			X	X	X	X		X				topped, private property	OverheadUtilities, Suppressed, MechanicalDamage, Co-DominantStems
966	8	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	6	30	1	8	4	12	2			X	X	X	X		X				topped, private property	OverheadUtilities, Suppressed, MechanicalDamage
967	8	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	6	30	1	8	4	12	2			X	X	X	X		X				topped, private property	OverheadUtilities, Suppressed, MechanicalDamage
968	8	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	6	30	1	8	4	12	2			X	X	X	X		X				topped, private property	OverheadUtilities, Suppressed, MechanicalDamage
969	8	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	6	30	1	8	4	12	2			X	X	X	X		X				topped, private property	OverheadUtilities, Suppressed, MechanicalDamage
970	8	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	5	30	1	8	4	12	2			X	X	X	X		X				topped, private property	BrokenLimbs, OverheadUtilities, Suppressed, MechanicalDamage
971	8	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	5	30	1	8	4	12	2			X	X	X	X		X				topped, private property	OverheadUtilities, Suppressed, MechanicalDamage
972	8	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	5	30	1	8	4	12	2			X	X	X	X		X				topped, private property	OverheadUtilities, MechanicalDamage, Suppressed
973	8	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	5	30	1	8	4	12	2			X	X	X	X		X				topped, private property	OverheadUtilities, MechanicalDamage, Suppressed
974	8	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	5	30	1	8	4	12	2			X	X	X	X		X				topped, private property	OverheadUtilities, Suppressed, MechanicalDamage
975	8	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	5	30	1	8	4	12	2			X	X	X	X		X				topped, private property	OverheadUtilities, Suppressed, MechanicalDamage

Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlands.com

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INTERNATIONAL SOCIETY OF ARBORICULTURE
CARY HULSE
ISA# PD-1080A
CERTIFIED ARBORIST
32475.01
Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(24)

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

	PROJECT	SHEET NO.
	U000-151-R94	025(24)

FINAL PLANS

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TREE PRESERVATION SCHEDULE

Date: MAY 14, 2025

Tree Protection Action Key

Project: BLENHEIM BLVD

Tree #	DBH (Diameter at 4.5 feet above grade)	Common Name	Botanical Name	Condition Rating %	Condition Rating	Approx Canopy Radius (FT)	Approx Tree Height (FT)	Number of Stems	Calculated DBH (in)	SRZ Structural Critical Root Zone (radius) in Feet	CRZ Critical Root Zone Radius in Ft (1.5 ft radius/in DBH)	Priority (1-4)	Tree within ROW	Removal	Preservation Measures: Root Prune	Tree Protection Fence	Mulch	Tree Condition Inspections	Special Arborist Treatment	Construction Oversight/Monitoring	By-Hand Work	Comments	Additional Notes	Condition Notes
976	8	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	5	30	1	8	4	12	2	YES		X	X	X	X		X			topped, private property	OverheadUtilities, MechanicalDamage, Suppressed
977	8	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	5	30	1	8	4	12	2	YES		X	X	X	X		X			topped,private property	OverheadUtilities, MechanicalDamage, Suppressed
978	8	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	5	30	1	8	4	12	2	YES		X	X	X	X		X			topped, private property	OverheadUtilities, Suppressed, MechanicalDamage
979	8	cypress, Leyland	x Cupressocyparis leylandii	55%	Fair	5	30	1	8	4	12	2			X	X	X	X		X			topped, private property	OverheadUtilities, MechanicalDamage, Suppressed
980	10	pine, eastern white	Pinus strobus	50%	Fair	9	22	1	10	5	15	2			X	X	X	X		X			topped, private property	OverheadUtilities, MechanicalDamage, Co-DominantStems, Suppressed
981	11	pine, eastern white	Pinus strobus	50%	Fair	9	24	1	11	5	17	2			X	X	X	X		X			topped, private property	OverheadUtilities, Suppressed, MechanicalDamage
982	6	cedar, Atlas	Cedrus atlantica	50%	Fair	5	16	1	6	3	9	2			X	X	X	X		X			topped, private property	Co-DominantStems, Suppressed, MechanicalDamage, OverheadUtilities
983	10	pine, eastern white	Pinus strobus	50%	Fair	10	20	1	10	5	15	2			X	X	X	X		X			topped, private property	Suppressed, MechanicalDamage, OverheadUtilities
984	8	redbud, eastern	Cercis canadensis	70%	Good	12	30	1	8	4	12	2			X	X	X	X		X			private property	BuriedRootCollar, OverheadUtilities, Co-DominantStems
985	5	redbud, eastern	Cercis canadensis	70%	Good	7	22	1	5	2	8	2			X	X	X	X		X			private property	OverheadUtilities, BuriedRootCollar
986	5	redbud, eastern	Cercis canadensis	65%	Good	7	20	1	5	2	8	2			X	X	X	X		X			private property	Co-DominantStems, OverheadUtilities
987	6	sweetgum, American	Liquidambar styraciflua	65%	Good	8	36	1	6	3	9	2				X							topped, private property	OverheadUtilities, Suppressed, MechanicalDamage
988	6,6,6,5,4, 3,2,2	crapemyrtle, common	Lagerstroemia indica	55%	Fair	10	24	8	13	6	19	2				X	X	X	X	X	X		private property	InclBark/WeakUnion, Co-DominantStems, OverheadUtilities, SmallDW(1-2")
989	6,8	holly, American	Ilex opaca	50%	Fair	9	24	2	10	5	15	2				X	X	X	X	X	X		on private property not full view	Co-DominantStems, InclBark/WeakUnion, OverheadUtilities
990	12,11	cypress, Leyland	x Cupressocyparis leylandii	45%	Fair	12	36	2	16	7	24	2				X	X	X	X	X	X		Tree on private property, not full view	InclBark/WeakUnion, Hardware, Co-DominantStems, OverheadUtilities
991	14	holly, American	Ilex opaca	55%	Fair	8	30	1	14	6	21	2				X	X	X	X	X	X		tree on private property not full view	Co-DominantStems, InclBark/WeakUnion, OverheadUtilities, BuriedRootCollar
992	17	pine, eastern white	Pinus strobus	70%	Good	10	60	1	17	8	26	2				X	X	X	X	X	X		tree on private property, not full view	
993	6	tree of heaven	Ailanthus altissima	25%	Poor	3	26	1	6	3	9	4		X									remove it	OverheadUtilities, BrokenLimbs, Suppressed, MechanicalDamage
994	5,4	elm, slippery	Ulmus rubra	50%	Fair	5	36	2	6	3	10	4		X									Touching utility lines, remove it	Co-DominantStems, Hardware, OverheadUtilities, RootDamage/Decay, CompactedSoils
995	6, 10	tree of heaven	Ailanthus altissima	35%	Poor	5	28	2	12	5	17	4		X									remove it	Co-DominantStems, StreamErosion, FungalFruitingBodies, BrokenLimbs, LargeDW(3+), SmallDW(1-2"), BranchDecay
996	8,6	tree of heaven	Ailanthus altissima	50%	Fair	10	26	2	10	5	15	4		X									invasive species under powerlines, remove it	Vines, Co-DominantStems
997	12	ash, green	Fraxinus pennsylvanica	0%	Dead	8	36	1	12	5	18	4	YES	X									multiple targets remove	Insect/DiseaseProblem
998	7,7	ash, green	Fraxinus pennsylvanica	0%	Dead	5	36	2	10	4	15	4				X							people are targets, remove	Insect/DiseaseProblem
999	9	ZZ Unknown species	ZZ Unknown species	65%	Good	8	20	1	9	4	14	2	YES	X										BuriedRootCollar, Co-DominantStems, SmallDW(1-2")
1000	7	ZZ Unknown species	ZZ Unknown species	50%	Fair	6	16	1	7	3	11	2	YES			X								BuriedRootCollar, BasalDecay, RootDamage/Decay
1120	16	oak, northern red	Quercus rubra	50%	Fair	7	18	1	16	7	24	3	YES	X									toppes	OverheadUtilities, BrokenLimbs, SmallDW(1-2")
1121	11,11	oak spp.	Quercus spp.	50%	Fair	10	40	2	16	7	23	3	YES	X										OverheadUtilities, Co-DominantStems
1122	9	maple, red	Acer rubrum	65%	Good	5	20	1	9	4	14	2	YES	X										OverheadUtilities
1123	6,5	holly, American	Ilex opaca	50%	Fair	2	10	2	8	4	12	3	YES	X									topped	OverheadUtilities
1124	5	beech, American	Fagus grandifolia	50%	Fair	2	10	1	5	2	8	3	YES	X									topped	OverheadUtilities
1138	20	beech, American	Fagus grandifolia	45%	Fair	15	20	1	20	9	30	3		X									topped	OverheadUtilities, Vines
1139	10	pine, Virginia	Pinus virginiana	0%	Dead	0	14	1	10	5	15	4				X								
1140	13	pine, Virginia	Pinus virginiana	70%	Good	5	46	1	13	6	20	2	YES		X	X	X	X		X			gr-3""	Girdling Roots, SmallDW(1-2")
1141	12	maple, red	Acer rubrum	65%	Good	5	46	1	12	5	18	2	YES		X	X	X	X		X				BrokenLimbs, SmallDW(1-2")
1142	20	pine, Virginia	Pinus virginiana	65%	Good	10	50	1	20	9	30	2	YES	X										LargeDW(3+), BrokenLimbs
1143	16,16	tuliptree	Liriodendron tulipifera	60%	Fair	10	54	2	23	10	34	2	YES	X										Co-DominantStems, InclBark/WeakUnion
1144	14	maple, red	Acer rubrum	65%	Good	10	36	1	14	6	21	2			X	X	X	X		X				SmallDW(1-2"), RootDamage/Decay
1145	8	maple, red	Acer rubrum	60%	Fair	8	24	1	8	4	12	2	YES		X	X	X	X		X				BasalDecay, BrokenLimbs, RootDamage/Decay
1146	13	maple, red	Acer rubrum	70%	Good	10	50	1	13	6	20	2	YES	X										RootDamage/Decay, SmallDW(1-2")
1147	18	blackgum	Nyssa sylvatica	60%	Fair	15	50	1	18	8	27	2	YES	X										BrokenLimbs, LargeDW(3+), SmallDW(1-2"), RootDamage/Decay
1148	5	dogwood, flowering	Cornus florida	60%	Fair	2	12	1	5	2	8	2	YES	X										RootDamage/Decay, SmallDW(1-2")
1149	5	dogwood, flowering	Cornus florida	70%	Good	2	14	1	5	2	8	2	YES		X	X	X	X		X				
1150	5	dogwood, flowering	Cornus florida	70%	Good	5	10	1	5	2	8	2	YES		X	X	X	X		X				SmallDW(1-2"")
1151	14	ash, white	Fraxinus americana	50%	Fair	12	50	1	14	6	21	3	YES		X	X	X	X		X				BrokenLimbs, LargeDW(3+), SmallDW(1-2")
1152	23	cherry, black	Prunus serotina	60%	Fair	20	66	1	23	10	35	2	YES		X	X	X	X		X				LargeDW(3+), BrokenLimbs
1153	6,4	dogwood, flowering	Cornus florida	50%	Fair	3	12	2	7	3	11	2				X								BrokenLimbs, TrunkDecay
1154	5	dogwood, flowering	Cornus florida	70%	Good	2	10	1	5	2	8	2				X								
1155	8,5,5	dogwood, flowering	Cornus florida	60%	Fair	6	16	3	11	5	16	2				X								Co-DominantStems, InclBark/WeakUnion
1156	28	cherry, black	Prunus serotina	60%	Fair	20	66	1	28	13	42	2				X								TrunkDecay, LargeDW(3+)
1157	3,3,5	dogwood, flowering	Cornus florida	60%	Fair	5	12	3	7	3	10	2				X								TrunkDecay, SmallDW(1-2")
1158	4,4,3	dogwood, flowering	Cornus florida	70%	Good	5	12	3	6	3	10	2	YES			X								
1159	12,5	locust, black	Robinia pseudoacacia	15%	Critical	10	46	2	13	6	20	4	YES			X								Stressed, Co-DominantStems
1160	17	locust, black	Robinia pseudoacacia	0%	Dead	16	56	1	17	8	26	4	YES			X								
1161	6	tuliptree	Liriodendron tulipifera	60%	Fair	5	24	1	6	3	9	2	YES			X								SmallDW(1-2"")
1162	8	locust, black	Robinia pseudoacacia	0%	Dead	5	36	1	8	4	12	4	YES			X								SeriousDecline
1163	18	locust, black	Robinia pseudoacacia	35%	Poor	10	50	1	18	8	27	4	YES			X								SeriousDecline
1164	14	blackgum	Nyssa sylvatica	25%	Poor	10	46	1	14	6	21	4	YES			X								SeriousDecline, BrokenLimbs, LargeDW(3+)
1165	6	maple, red	Acer rubrum	65%	Good	10	32	1	6	3	9	2	YES			X								SmallDW(1-2"")
1166	9	locust, black	Robinia pseudoacacia	60%	Fair	5	40	1	9	4	14	2	YES			X								LargeDW(3+), SmallDW(1-2")
1167	7	blackgum	Nyssa sylvatica	70%	Good	5	22	1	7	3	11	2	YES			X								SmallDW(1-2"")
1168	11	locust, black	Robinia pseudoacacia	60%	Fair	7	46	1	11	5	17	2	YES			X								SmallDW(1-2"), LargeDW(3+)
1169	7	ash, green	Fraxinus pennsylvanica	15%	Critical	0	14	1	7	3	11	4	YES			X								SeriousDecline
1170	11	oak, white	Quercus alba	50%	Fair	10	50	1	11	5	17	2	YES			X								SmallDW(1-2"), LargeDW(3+), TrunkDecay
1171	13,11	hemlock, eastern	Tsuga canadensis	50%	Fair	10	40	2	17	8	26	3				X								Co-DominantStems, LargeDW(3+), Vines, SmallDW(1-2")
1172	5	beech, American	Fagus grandifolia	70%	Good	3	12	1	5	2	8	2				X								SmallDW(1-2"")
1173	7	beech, American	Fagus grandifolia	40%	Poor	4	14	1	7	3	11	3				X								Stressed, LargeDW(3+)
1174	8	blackgum	Nyssa sylvatica	60%	Fair	10	38	1	8	4	12	2				X								Vines, SmallDW(1-2")
1175	6	beech, American	Fagus grandifolia	60%	Fair	8	10	1	6	3	9	2				X								SmallDW(1-2"")
1176	11	oak, white	Quercus alba	60%	Fair	10	22	1	11	5	17	2				X								SmallDW(1-2"")
1177	18	locust, black	Robinia pseudoacacia	50%	Fair	10	46	1	18	8	27	2				X								Vines, Stressed, LargeDW(3+), BrokenLimbs
1178	6	hickory, pignut	Carya glabra	50%	Fair	2	12	1	6	3	9	2	YES			X								Stressed, SmallDW(1-2")
1179	7	ash, white	Fraxinus americana	25%	Poor	5	12	1	7	3	11	4	YES			X							topped	Stressed, SmallDW(1-2"), LargeDW(3+)
1180	6	hickory, pignut	Carya glabra	70%	Good	3	16	1	6	3	9	2	YES			X								Vines
1181	14,18,12	oak, black	Quercus velutina	50%	Fair	20	52	3	26	12	39	2	YES			X								Co-DominantStems, InclBark/WeakUnion, LargeDW(3+)
1201	9,11	locust, black	Robinia pseudoacacia	50%	Fair	12	50	2	14	6	21	2				X								Included Bark/Weak Union, Co-Dominant Stems, Vines
1202	10,8	pine, eastern white	Pinus strobus	60%	Fair	9	40	2	13	6	19	2				X								Included Bark/Weak Union, Co-Dominant Stems
1203	7	oak, white	Quercus alba	60%	Fair	7	14	1	7	3	11	2				X								Suppressed, Excessive Lean
1204	26	oak, southern red	Quercus falcata	60%	Fair	15	70	1	26	12	39	2				X	X	X	X	X	X			Excessive Lean
1205	26	tuliptree	Liriodendron tulipifera	60%	Fair	12	65	1	26	12	39	2				X	X	X	X	X	X			
1206	4,5	holly, American	Ilex opaca	60%	Fair	6	20	2	6	3	10	2				X								Included Bark/Weak Union, Co-Dominant Stems
1207	26	tuliptree	Liriodendron tulipifera	65%	Good	15	70	1	26	12	39	2				X	X	X	X	X	X			Overhead Utilities

Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlands.com

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CERTIFIED ARBORIST
CARY HULSE
ISA# PD-1080A
32475.01
Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(25)

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

PROJECT	SHEET NO.
U000-151-R94	025(25)

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

TREE PRESERVATION SCHEDULE

Date: MAY 14, 2025

Tree Protection Action Key

Project: BLENHEIM BLVD

Tree #	DBH (Diameter at 4.5 feet above grade)	Common Name	Botanical Name	Condition Rating %	Condition Rating	Approx Canopy Radius (FT)	Approx Tree Height (FT)	Number of Stems	Calculated DBH (in)	SRZ Structural Critical Root Zone (radius) in Feet	CRZ Critical Root Zone Radius in Ft (1.5 ft radius/in DBH)	Priority (1-4)	Tree within ROW	Removal	Preservation Measures: Root Prune	Tree Protection Fence	Mulch	Tree Condition Inspections	Special Arborist Treatment	Construction Oversight/Monitoring	By-Hand Work	Comments	Additional Notes	Condition Notes
1208	16	tuliptree	Liriodendron tulipifera	40%	Poor	9	70	1	16	7	24	3		X										One Sided, Basal Decay, Trunk Decay, Overhead Utilities
1209	22	tuliptree	Liriodendron tulipifera	60%	Fair	13	85	1	22	10	33	2				X	X	X	X	X	X			Overhead Utilities
1210	16	tuliptree	Liriodendron tulipifera	65%	Good	16	75	1	16	7	24	2				X	X	X	X	X	X			Overhead Utilities
1211	5	ash, green	Fraxinus pennsylvanica	65%	Good	6	16	1	5	2	8	2				X								
1212	14	maple, red	Acer rubrum	65%	Good	10	55	1	14	6	21	2				X	X	X	X	X	X			
1213	26	tuliptree	Liriodendron tulipifera	60%	Fair	17	90	1	26	12	39	2				X	X	X	X	X	X			Large DW (3"+), Small DW (1-2")
1214	8	maple, red	Acer rubrum	60%	Fair	12	45	1	8	4	12	2				X	X	X	X	X	X			Small DW (1-2")
1215	3,3	dogwood, flowering	Cornus florida	55%	Fair	5	12	2	4	2	6	2				X	X	X	X	X	X			Included Bark/Weak Union, Co-Dominant Stems, Small DW (1-2")
1216	7	maple, red	Acer rubrum	60%	Fair	9	30	1	7	3	11	2				X	X	X	X	X	X			Small DW (1-2")
1217	24	tuliptree	Liriodendron tulipifera	60%	Fair	17	95	1	24	11	36	2				X	X	X	X	X	X			Large DW (3"+), Small DW (1-2")
1218	9	maple, red	Acer rubrum	60%	Fair	12	50	1	9	4	14	2				X	X	X	X	X	X			Small DW (1-2")
1219	5	maple, red	Acer rubrum	50%	Fair	8	25	1	5	2	8	2				X	X	X	X	X	X			Suppressed, Small DW (1-2")
1220	7	maple, red	Acer rubrum	55%	Fair	8	35	1	7	3	11	2				X	X	X	X	X	X			Small DW (1-2"), Branch Decay
1221	20	tuliptree	Liriodendron tulipifera	55%	Fair	11	70	1	20	9	30	2				X	X	X	X	X	X			Large DW (3"+), Small DW (1-2")
1222	14	pine, eastern white	Pinus strobus	55%	Fair	9	40	1	14	6	21	2				X	X	X	X	X	X			One Sided, Large DW (3"+), Small DW (1-2")
1223	24	pine, eastern white	Pinus strobus	65%	Good	13	50	1	24	11	36	2				X	X	X	X	X	X			Large DW (3"+), Small DW (1-2")
1224	15	pine, eastern white	Pinus strobus	45%	Fair	8	25	1	15	7	23	3				X	X	X	X	X	X		broken top	Excessive Lean, Large DW (3"+), Small DW (1-2")
1225	9	cherry, black	Prunus serotina	45%	Fair	4	45	1	9	4	14	2				X	X	X	X	X	X			One Sided, Large DW (3"+), Small DW (1-2"), Stressed
1226	12	oak, northern red	Quercus rubra	65%	Good	11	70	1	12	5	18	2				X	X	X	X	X	X			Small DW (1-2")
1227	7	cherry, black	Prunus serotina	40%	Poor	3	12	1	7	3	11	3				X	X	X	X	X	X			One Sided, Large DW (3"+), Small DW (1-2"), Stressed, Serious Decline
1228	33	tuliptree	Liriodendron tulipifera	60%	Fair	23	90	1	33	15	50	2				X	X	X	X	X	X			Large DW (3"+), Small DW (1-2")
1229	12,8,7	redcedar, eastern	Juniperus virginiana	60%	Fair	11	40	3	16	7	24	2		X										Included Bark/Weak Union, Co-Dominant Stems
1230	6	maple, red	Acer rubrum	60%	Fair	8	30	1	6	3	9	2				X	X	X	X	X	X			Basal Decay
1231	8	locust, black	Robinia pseudoacacia	40%	Poor	8	18	1	8	4	12	3				X	X	X	X	X	X		topped	Large DW (3"+), Small DW (1-2")
1232	8	maple, red	Acer rubrum	65%	Good	9	35	1	8	4	12	2				X								
1233	5	beech, American	Fagus grandifolia	70%	Good	13	20	1	5	2	8	2				X								
1234	14	ZZ Unknown snag	ZZ Unknown snag	0%	Dead	0	10	1	14	6	21	4				X								
1235	9	elm, slippery	Ulmus rubra	40%	Poor	10	25	1	9	4	14	3				X	X	X	X	X	X		topped	Large DW (3"+), Small DW (1-2")
1236	10	pine, eastern white	Pinus strobus	35%	Poor	7	12	1	10	5	15	3				X	X	X	X	X	X		topped	One Sided, Small DW (1-2")
1237	13	pine, eastern white	Pinus strobus	55%	Fair	9	20	1	13	6	20	2				X	X	X	X	X	X			One Sided, Large DW (3"+), Small DW (1-2"), Overhead Utilities
1238	5	hickory, mockernut	Carya tomentosa	40%	Poor	6	25	1	5	2	8	3				X							topped	
1239	12	redcedar, eastern	Juniperus virginiana	60%	Fair	7	18	1	12	5	18	2		X										Large DW (3"+), Small DW (1-2")
1240	10	ZZ Unknown snag	ZZ Unknown snag	0%	Dead	1	25	1	10	5	15	4				X								
1241	9	oak, white	Quercus alba	40%	Poor	7	16	1	9	4	14	3				X	X	X	X	X	X		topped	
1242	9	hickory, pignut	Carya glabra	70%	Good	12	65	1	9	4	14	2				X	X	X	X	X	X			Small DW (1-2")
1243	6	beech, American	Fagus grandifolia	65%	Good	11	35	1	6	3	9	2				X								
1244	5	hickory, pignut	Carya glabra	40%	Poor	5	12	1	5	2	8	3				X	X	X	X	X	X		topped	Small DW (1-2"), Overhead Utilities
1245	5	hickory, pignut	Carya glabra	40%	Poor	5	12	1	5	2	8	3				X	X	X	X	X	X		topped	Small DW (1-2"), Overhead Utilities
1246	9	locust, black	Robinia pseudoacacia	40%	Poor	7	18	1	9	4	14	3				X								Trunk Decay, Large DW (3"+), Small DW (1-2"), Broken Limbs, Branch Decay
1247	9	redcedar, eastern	Juniperus virginiana	40%	Poor	8	12	1	9	4	14	3			X	X	X	X		X			topped	Large DW (3"+), Small DW (1-2"), Low Vigor, Stressed, Overhead Utilities
1248	36	tuliptree	Liriodendron tulipifera	60%	Fair	21	85	1	36	16	54	2			X	X	X	X		X				Large DW (3"+), Small DW (1-2")
1249	7	redcedar, eastern	Juniperus virginiana	40%	Poor	7	10	1	7	3	11	3			X	X	X	X		X			topped	Large DW (3"+), Small DW (1-2"), Low Vigor, Stressed, Overhead Utilities
1250	28	tuliptree	Liriodendron tulipifera	60%	Fair	21	85	1	28	13	42	2			X	X	X	X		X				Large DW (3"+), Small DW (1-2"), Overhead Utilities
1251	10	oak, black	Quercus velutina	40%	Poor	5	14	1	10	5	15	3			X	X	X	X		X			topped	Overhead Utilities
1252	28	tuliptree	Liriodendron tulipifera	60%	Fair	20	90	1	28	13	42	2			X	X	X	X		X				Large DW (3"+), Small DW (1-2"), Overhead Utilities
1253	10	beech, American	Fagus grandifolia	40%	Poor	13	12	1	10	5	15	3			X	X	X	X		X			topped	
1254	7	cherry, black	Prunus serotina	40%	Poor	7	10	1	7	3	11	3				X							topped	
1255	30	oak, black	Quercus velutina	60%	Fair	20	85	1	30	14	45	2			X	X	X	X		X				Large DW (3"+), Small DW (1-2")
1256	10	tuliptree	Liriodendron tulipifera	40%	Poor	10	12	1	10	5	15	3			X	X	X	X		X			topped	Overhead Utilities
1257	5	hickory, pignut	Carya glabra	65%	Good	5	16	1	5	2	8	2				X								
1258	7	hornbeam, American	Carpinus caroliniana	60%	Fair	8	12	1	7	3	11	2				X								
1259	5	oak, white	Quercus alba	40%	Poor	4	10	1	5	2	8	3				X							topped	
1260	6,5	hornbeam, American	Carpinus caroliniana	40%	Poor	8	12	2	8	4	12	3				X							dead lead	Co-Dominant Stems, Large DW (3"+), Small DW (1-2"), Serious Decline
1261	5	hornbeam, American	Carpinus caroliniana	50%	Fair	7	12	1	5	2	8	2				X							dead lead	Small DW (1-2"), Serious Decline, Branch Decay
1262	8	beech, American	Fagus grandifolia	40%	Poor	9	12	1	8	4	12	3				X							topped	Small DW (1-2"), Branch Decay, Overhead Utilities
1263	20	beech, American	Fagus grandifolia	65%	Good	16	60	1	20	9	30	2				X	X	X	X	X	X		topped	Small DW (1-2"), Branch Decay, Overhead Utilities
1264	18	tuliptree	Liriodendron tulipifera	60%	Fair	13	90	1	18	8	27	2				X	X	X	X	X	X			Large DW (3"+), Small DW (1-2")
1265	22	tuliptree	Liriodendron tulipifera	60%	Fair	14	95	1	22	10	33	2				X	X	X	X	X	X			Large DW (3"+), Small DW (1-2")
1266	6	holly, American	Ilex opaca	60%	Fair	4	25	1	6	3	9	2				X								Small DW (1-2")
1267	13	oak, northern red	Quercus rubra	70%	Good	19	70	1	13	6	20	2				X								Small DW (1-2")
1268	7	ZZ Unknown snag	ZZ Unknown snag	0%	Dead	0	12	1	7	3	11	4				X								
1269	6	hickory, pignut	Carya glabra	40%	Poor	7	10	1	6	3	9	3				X							topped	Small DW (1-2")
1270	5	hickory, pignut	Carya glabra	40%	Poor	6	10	1	5	2	8	3				X							topped	Small DW (1-2")
1271	5	hornbeam, American	Carpinus caroliniana	40%	Poor	11	12	1	5	2	8	3				X							topped	Small DW (1-2"), Overhead Utilities
1272	5	oak, northern red	Quercus rubra	40%	Poor	4	12	1	5	2	8	3				X	X	X	X	X	X		topped	
1273	5,5,5,3,3	crapemyrtle, common	Lagerstroemia indica	65%	Good	12	14	5	10	4	14	2				X	X	X	X	X	X			Co-Dominant Stems, Overhead Utilities
1274	38	oak, northern red	Quercus rubra	60%	Fair	23	85	1	38	17	57	2				X	X	X	X	X	X			Overhead Utilities
1275	6	beech, American	Fagus grandifolia	65%	Good	16	25	1	6	3	9	2				X								
1276	6	beech, American	Fagus grandifolia	65%	Good	15	25	1	6	3	9	2				X								
1277	19	tuliptree	Liriodendron tulipifera	60%	Fair	14	90	1	19	9	29	2				X								Small DW (1-2")
1278	5	maple, Norway	Acer platanoides	65%	Good	9	45	1	5	2	8	2				X								Small DW (1-2")
1279	6	oak, northern red	Quercus rubra	40%	Poor	6	12	1	6	3	9	3				X							topped	Basal Decay, Large DW (3"+), Small DW (1-2")
1280	5	holly, American	Ilex opaca	50%	Fair	10	14	1	5	2	8	2				X								
1281	5	holly, American	Ilex opaca	55%	Fair	10	14	1	5	2	8	2				X								
1282	3,2,2,2,2, 2	crapemyrtle, common	Lagerstroemia indica	60%	Fair	4	14	6	5	2	8	2				X	X	X	X	X	X			Co-Dominant Stems, Overhead Utilities
1283	20	tuliptree	Liriodendron tulipifera	65%	Good	14	80	1	20	9	30	2				X	X	X	X	X	X			Small DW (1-2")
1284	11	hickory, pignut	Carya glabra	65%	Good	9	65	1	11	5	17	2				X	X	X	X	X	X			Small DW (1-2")
1285	7	hemlock, eastern	Tsuga canadensis	45%	Fair	10	14	1	7	3	11	2				X								Suppressed, Serious Decline
1286	10	hickory, pignut	Carya glabra	65%	Good	11	60	1	10	5	15	2				X								Small DW (1-2")
1287	35	oak, white	Quercus alba	60%	Fair	16	70	1	35	16	53	2		X		X	X	X		X				Large DW (3"+), Small DW (1-2")
1288	7	maple, red	Acer rubrum	40%	Poor	7	16	1	7	3	11	3				X								Small DW (1-2"), Insect/Disease Problem
1289	8,5	tuliptree	Liriodendron tulipifera	15%	Critical	2	25	2	9	4	14	4				X								Basal Decay, Trunk Decay, Co-Dominant Stems, Large DW (3"+), Small DW (1-2"), Low Vigor, Stressed, Serious Decline
1290	5,3	holly, American	Ilex opaca	60%	Fair	5	12	2	6	3	9	2				X	X	X	X	X	X			Co-Dominant Stems, Small DW (1-2")
1291	3,4,5	holly, American	Ilex opaca	60%	Fair	5	12	3	7	3	11	2				X	X	X	X	X	X			Included Bark/Weak Union, Co-Dominant Stems, Small DW (1-2"), Overhead Utilities

Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlands.com

INTERNATIONAL SOCIETY OF ARBORICULTURE
CARY HULSE
ISA# PD-1080A
CERTIFIED ARBORIST
32475.01
Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(26)

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

PROJECT	SHEET NO.
U000-151-R94	025(26)

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

L:\32000s\32400\32475.01\CADD\05-ENVR\32475.01_OldLeeHwy_TPAK.dwg 26 Plotted By: Cary Hulse, 5/14/2025 10:11 AM

TREE PRESERVATION SCHEDULE

Date: MAY 14, 2025

Tree Protection Action Key

Project: BLENHEIM BLVD

Tree #	DBH (Diameter at 4.5 feet above grade)	Common Name	Botanical Name	Condition Rating %	Condition Rating	Approx Canopy Radius (FT)	Approx Tree Height (FT)	Number of Stems	Calculated DBH (in)	SRZ Structural Critical Root Zone (radius) in Feet	CRZ Critical Root Zone Radius in Ft (1.5 ft radius/in DBH)	Priority (1-4)	Tree within ROW	Removal	Preservation Measures: Root Prune	Tree Protection Fence	Mulch	Tree Condition Inspections	Special Arborist Treatment	Construction Oversight/Monitoring	By-Hand Work	Comments	Additional Notes	Condition Notes
1292	6	holly, American	Ilex opaca	60%	Fair	3	10	1	6	3	9	2				X	X	X	X	X	X				Small DW (1-2"), Overhead Utilities
1293	5	holly, American	Ilex opaca	60%	Fair	3	10	1	5	2	8	2				X	X	X	X	X	X				Small DW (1-2"), Broken Limbs, Overhead Utilities
1294	3,3	holly, American	Ilex opaca	60%	Fair	3	10	2	4	2	6	2				X									Co-Dominant Stems, Small DW (1-2"), Broken Limbs, Overhead Utilities
1295	4,5	holly, American	Ilex opaca	60%	Fair	3	10	2	6	3	10	2				X	X	X	X	X	X				Included Bark/Weak Union, Co-Dominant Stems, Small DW (1-2"), Overhead Utilities
1296	3,3	holly, American	Ilex opaca	60%	Fair	4	10	2	4	2	6	2				X									Co-Dominant Stems, Small DW (1-2"), Overhead Utilities
1297	5	holly, American	Ilex opaca	60%	Fair	4	10	1	5	2	8	2				X									Small DW (1-2"), Overhead Utilities
1298	32	tuliptree	Liriodendron tulipifera	60%	Fair	14	80	1	32	14	48	2				X	X	X	X	X	X				Small DW (1-2")
1299	22	beech, American	Fagus grandifolia	65%	Good	13	65	1	22	10	33	2				X	X	X	X	X	X				Small DW (1-2")
1300	18	beech, American	Fagus grandifolia	65%	Good	16	65	1	18	8	27	2				X	X	X	X	X	X				Small DW (1-2")
1301	9	hickory, pignut	Carya glabra	65%	Good	6	60	1	9	4	14	2				X									Small DW (1-2")
1302	8	pine, eastern white	Pinus strobus	55%	Fair	8	50	1	8	4	12	2				X									Narrow Crown, Small DW (1-2")
1303	6	pear, Callery	Pyrus calleryana	40%	Poor	6	35	1	6	3	9	3				X									Excessive Lean
1304	8,6,3,2	holly, American	Ilex opaca	70%	Good	11	35	4	11	5	16	2				X									Small DW (1-2"), Overhead Utilities
1305	28	tuliptree	Liriodendron tulipifera	65%	Good	18	85	1	28	13	42	2			X	X	X	X		X					Small DW (1-2")
1306	15,17	tuliptree	Liriodendron tulipifera	55%	Fair	21	70	2	23	10	34	2			X	X	X	X		X					Co-Dominant Stems, Small DW (1-2"), Vines
1307	8,6,6	crapemyrtle, common	Lagerstroemia indica	60%	Fair	15	25	3	12	5	17	2				X	X	X	X	X	X				Full Crown, Included Bark/Weak Union, Co-Dominant Stems
1308	5,5,6,6,7,5,5,6,5	crapemyrtle, common	Lagerstroemia indica	60%	Fair	16	25	9	17	8	25	2				X	X	X	X	X	X				Co-Dominant Stems
1309	3,3,5,6,6,6,7,6,6,5	crapemyrtle, common	Lagerstroemia indica	60%	Fair	16	30	10	17	8	26	2				X	X	X	X	X	X				Co-Dominant Stems
1310	30	beech, American	Fagus grandifolia	60%	Fair	20	75	1	30	14	45	2				X									Large DW (3"+), Small DW (1-2")
1311	16	tuliptree	Liriodendron tulipifera	55%	Fair	11	75	1	16	7	24	2				X									Narrow Crown, Large DW (3"+), Small DW (1-2")
1312	16	tuliptree	Liriodendron tulipifera	60%	Fair	15	75	1	16	7	24	2				X									Large DW (3"+), Small DW (1-2")
1313	21	tuliptree	Liriodendron tulipifera	60%	Fair	16	85	1	21	9	32	2			X	X	X	X		X					Large DW (3"+), Small DW (1-2")
1314	10	spruce, Norway	Picea abies	60%	Fair	13	50	1	10	5	15	2				X									Small DW (1-2")
1315	2,2,2,2,2	crapemyrtle, common	Lagerstroemia indica	60%	Fair	9	16	5	4	2	7	2			X	X	X	X		X					Excessive Lean, Co-Dominant Stems
1316	6	hickory, pignut	Carya glabra	60%	Fair	6	45	1	6	3	9	2			X	X	X	X		X					
1317	18	cherry, black	Prunus serotina	55%	Fair	11	60	1	18	8	27	2			X	X	X	X		X					Excessive Lean, Large DW (3"+), Small DW (1-2")
1318	9	beech, American	Fagus grandifolia	60%	Fair	14	45	1	9	4	14	2				X									Large DW (3"+), Small DW (1-2"), Vines
1319	5,5	holly, American	Ilex opaca	60%	Fair	6	25	2	7	3	11	2			X	X	X	X		X					Co-Dominant Stems, Small DW (1-2")
1320	2,2,2	holly, American	Ilex opaca	60%	Fair	5	12	3	3	2	5	2				X									Co-Dominant Stems
1321	12	beech, American	Fagus grandifolia	50%	Fair	12	16	1	12	5	18	2			X	X	X	X		X					Small DW (1-2")
1322	9	maple, red	Acer rubrum	40%	Poor	8	16	1	9	4	14	3				X									Large DW (3"+), Small DW (1-2"), Low Vigor, Stressed
1323	5	maple, red	Acer rubrum	60%	Fair	8	30	1	5	2	8	2				X									Small DW (1-2")
1324	23	tuliptree	Liriodendron tulipifera	55%	Fair	13	85	1	23	10	35	2			X	X	X	X		X					Large DW (3"+), Small DW (1-2")
1325	12	beech, American	Fagus grandifolia	60%	Fair	14	55	1	12	5	18	2				X									Small DW (1-2")
1326	5	beech, American	Fagus grandifolia	50%	Fair	9	25	1	5	2	8	2				X									Narrow Crown, Small DW (1-2"), Low Vigor, Vines
1327	7	beech, American	Fagus grandifolia	65%	Good	14	45	1	7	3	11	2				X									Small DW (1-2")
1328	32	tuliptree	Liriodendron tulipifera	60%	Fair	15	105	1	32	14	48	2				X									Large DW (3"+), Small DW (1-2")
1329	10	beech, American	Fagus grandifolia	60%	Fair	13	45	1	10	5	15	2				X									Small DW (1-2")
1330	12	redcedar, eastern	Juniperus virginiana	55%	Fair	11	18	1	12	5	18	2				X	X	X	X	X	X				Excessive Lean, Basal Decay
1331	5	oak, white	Quercus alba	55%	Fair	5	16	1	5	2	8	2				X									
1332	10	beech, American	Fagus grandifolia	40%	Poor	13	20	1	10	5	15	3			X	X	X	X		X					Small DW (1-2"), Insect/Disease Problem
1333	26	tuliptree	Liriodendron tulipifera	60%	Fair	15	85	1	26	12	39	2			X	X	X	X		X					Large DW (3"+), Small DW (1-2")
1334	16	beech, American	Fagus grandifolia	60%	Fair	14	60	1	16	7	24	2				X									Surface Roots, Small DW (1-2")
1335	24	tuliptree	Liriodendron tulipifera	60%	Fair	14	100	1	24	11	36	2			X	X	X	X		X					Large DW (3"+), Small DW (1-2")
1336	16	beech, American	Fagus grandifolia	60%	Fair	16	70	1	16	7	24	2				X									Surface Roots, Basal Decay, Small DW (1-2"), Fungal Fruiting Bodies
1337	22	beech, American	Fagus grandifolia	60%	Fair	16	65	1	22	10	33	2			X	X	X	X		X					Surface Roots, Small DW (1-2")
1338	25	beech, American	Fagus grandifolia	50%	Fair	17	55	1	25	11	38	2				X									Root Damage/Decay, Basal Decay, Small DW (1-2")
1339	6	arborvitae, eastern	Thuja occidentalis	60%	Fair	6	18	1	6	3	9	2		X											Small DW (1-2"), Overhead Utilities
1340	4,4	arborvitae, eastern	Thuja occidentalis	60%	Fair	6	18	2	6	3	8	2		X											Co-Dominant Stems, Small DW (1-2"), Overhead Utilities
1341	6	arborvitae, eastern	Thuja occidentalis	60%	Fair	6	18	1	6	3	9	2		X											Small DW (1-2"), Overhead Utilities
1342	6	arborvitae, eastern	Thuja occidentalis	60%	Fair	6	18	1	6	3	9	2		X											Small DW (1-2"), Overhead Utilities
1343	6	arborvitae, eastern	Thuja occidentalis	60%	Fair	6	18	1	6	3	9	2		X											Small DW (1-2"), Overhead Utilities
1344	2,2,2,2	holly, American	Ilex opaca	50%	Fair	4	10	4	4	2	6	3				X									Co-Dominant Stems, Small DW (1-2")
1345	5	ash, green	Fraxinus pennsylvanica	55%	Fair	8	25	1	5	2	8	2				X									Small DW (1-2")
1346	20	hickory, pignut	Carya glabra	60%	Fair	11	70	1	20	9	30	2			X	X	X	X		X					Small DW (1-2")
1347	9	tuliptree	Liriodendron tulipifera	55%	Fair	9	65	1	9	4	14	2				X									Narrow Crown, Small DW (1-2")
1348	22	beech, American	Fagus grandifolia	65%	Good	16	75	1	22	10	33	2			X	X	X	X		X					Surface Roots, Small DW (1-2")
1349	14	tuliptree	Liriodendron tulipifera	40%	Poor	9	65	1	14	6	21	3				X									Narrow Crown, Excessive Lean, Small DW (1-2")
1350	10	holly, American	Ilex opaca	60%	Fair	11	45	1	10	5	15	2				X									Small DW (1-2")
1351	28	hickory, pignut	Carya glabra	60%	Fair	13	70	1	28	13	42	2			X	X	X	X		X					Mechanical Damage, Small DW (1-2")
1352	14	beech, American	Fagus grandifolia	55%	Fair	18	35	1	14	6	21	2			X	X	X	X		X					Surface Roots, Small DW (1-2"), Overhead Utilities
1353	20	beech, American	Fagus grandifolia	70%	Good	18	70	1	20	9	30	2			X	X	X	X		X					Small DW (1-2"), Overhead Utilities
1354	20	tuliptree	Liriodendron tulipifera	55%	Fair	13	75	1	20	9	30	2			X	X	X	X		X					Narrow Crown, Excessive Lean, Small DW (1-2"), Stressed
1355	26	ZZ Unknown snag	ZZ Unknown snag	0%	Dead	0	25	1	26	12	39	4				X									
1356	6	arborvitae, eastern	Thuja occidentalis	60%	Fair	6	18	1	6	3	9	2			X	X	X	X		X					Small DW (1-2"), Overhead Utilities
1357	6	arborvitae, eastern	Thuja occidentalis	60%	Fair	6	18	1	6	3	9	2			X	X	X	X		X					Small DW (1-2"), Overhead Utilities
1358	5	arborvitae, eastern	Thuja occidentalis	60%	Fair	6	18	1	5	2	8	2			X	X	X	X		X					Small DW (1-2"), Overhead Utilities
1359	4,3	arborvitae, eastern	Thuja occidentalis	60%	Fair	5	16	2	5	2	8	2			X	X	X	X		X					Small DW (1-2"), Overhead Utilities
1360	12	redcedar, eastern	Juniperus virginiana	55%	Fair	7	16	1	12	5	18	2			X	X	X	X		X			topped		Small DW (1-2"), Overhead Utilities
1361	5	redcedar, eastern	Juniperus virginiana	30%	Poor	4	10	1	5	2	8	3			X	X	X	X		X			topped		Small DW (1-2"), Low Vigor, Stressed, Serious Decline, Overhead Utilities
1362	6	redcedar, eastern	Juniperus virginiana	50%	Fair	7	16	1	6	3	9	2			X	X	X	X		X					Small DW (1-2"), Overhead Utilities
1363	5	redcedar, eastern	Juniperus virginiana	60%	Fair	5	16	1	5	2	8	2			X	X	X	X		X					One Sided, Small DW (1-2"), Overhead Utilities
1364	6	redcedar, eastern	Juniperus virginiana	60%	Fair	5	16	1	6	3	9	2			X	X	X	X		X					One Sided, Small DW (1-2"), Overhead Utilities
1365	34	oak, southern red	Quercus falcata	55%	Fair	25	90	1	34	15	51	2			X	X	X	X		X					Large DW (3"+), Small DW (1-2")
1366	28	beech, American	Fagus grandifolia	60%	Fair	20	80	1	28	13	42	2			X	X	X	X		X					One Sided, Small DW (1-2")
1367	22	beech, American	Fagus grandifolia	60%	Fair	19	70	1	22	10	33	2			X	X	X	X		X					Large DW (3"+), Small DW (1-2")
1368	28	tuliptree	Liriodendron tulipifera	60%	Fair	16	95	1	28	13	42	2				X	X	X		X			gr 2"x15"		Narrow Crown, Surface Roots, Girdling Roots, Small DW (1-2"), Stressed
1369	20	beech, American	Fagus grandifolia	60%	Fair	15	65	1	20	9	30	2				X	X	X		X					Large DW (3"+), Small DW (1-2"), Branch Decay
1370	18	beech, American	Fagus grandifolia	65%	Good	14	65	1	18	8	27	2				X	X	X		X					Large DW (3"+), Small DW (1-2")
1371	24	tuliptree	Liriodendron tulipifera	55%	Fair	15	90	1	24	11	36	2				X	X	X		X					Narrow Crown, Large DW (3"+), Small DW (1-2")
1372	3,4	dogwood spp.	Cornus spp.	0%	Dead	1	8	2	5	2	8	4		X											
1373	6	holly, American	Ilex opaca	60%	Fair	6	20	1	6	3	9	2		X											Overhead Utilities
1374	11,6	ZZ Unknown dead tree	ZZ Unknown dead tree	0%	Dead	2	18	2	13	6	19	4		X											
1375	7	ash, green	Fraxinus pennsylvanica	30%	Poor	3	8	1	7	3	11	3		X											Overhead Utilities

Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlands.com

L:\32000s\32400\32475.01\CADD\05-ENVR\32475.01_OldLeeHwy_TPAK.dwg 27 Plotted By: Cary Hulse, 5/14/2025 10:11 AM

CERTIFIED ARBORIST
CARY HULSE
ISA# PD-1080A
32475.01
Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(27)

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

PROJECT	SHEET NO.
U000-151-R94	025(27)

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

TREE PRESERVATION SCHEDULE

Date: MAY 14, 2025

Tree Protection Action Key

Project: BLENHEIM BLVD

Tree #	DBH (Diameter at 4.5 feet above grade)	Common Name	Botanical Name	Condition Rating %	Condition Rating	Approx Canopy Radius (FT)	Approx Tree Height (FT)	Number of Stems	Calculated DBH (in)	SRZ Structural Critical Root Zone (radius) in Feet	CRZ Critical Root Zone Radius in Ft (1.5 ft radius/in DBH)	Priority (1-4)	Tree within ROW	Removal	Preservation Measures: Root Prune	Tree Protection Fence	Mulch	Tree Condition Inspections	Special Arborist Treatment	Construction Oversight/Monitoring	By-Hand Work	Comments	Additional Notes	Condition Notes
1376	5	oak, northern red	Quercus rubra	20%	Critical	2	10	1	5	2	8	3		X									topped	Overhead Utilities
1377	38	oak, northern red	Quercus rubra	45%	Fair	19	75	1	38	17	57	2		X										Large DW (3"+), Small DW (1-2"), Vines, Overhead Utilities
1378	5	ash, green	Fraxinus pennsylvanica	10%	Critical	1	8	1	5	2	8	3			X	X	X	X		X			topped	Excessive Lean, Vines, Overhead Utilities
1379	11,7	maple, red	Acer rubrum	35%	Poor	3	16	2	13	6	20	3			X	X	X	X		X				Trunk Decay, Co-Dominant Stems, Large DW (3"+), Small DW (1-2"), Low Vigor, Stressed, Serious Decline, Branch Decay
1380	22	tuliptree	Liriodendron tulipifera	60%	Fair	11	85	1	22	10	33	2			X	X	X	X		X				Large DW (3"+), Small DW (1-2")
1381	14	beech, American	Fagus grandifolia	70%	Good	14	65	1	14	6	21	2			X	X	X	X		X				Small DW (1-2")
1382	20	tuliptree	Liriodendron tulipifera	65%	Good	11	85	1	20	9	30	2		X										Large DW (3"+), Small DW (1-2")
1383	38	oak, northern red	Quercus rubra	60%	Fair	20	85	1	38	17	57	2		X									phototropic lean	Excessive Lean, Large DW (3"+), Small DW (1-2")
1384	9	beech, American	Fagus grandifolia	55%	Fair	10	25	1	9	4	14	2		X										Small DW (1-2")
1385	8	oak, white	Quercus alba	60%	Fair	6	40	1	8	4	12	2			X	X	X	X		X				Narrow Crown, Small DW (1-2")
1386	24	tuliptree	Liriodendron tulipifera	55%	Fair	14	75	1	24	11	36	2		X										Large DW (3"+), Small DW (1-2")
1387	10	maple, red	Acer rubrum	60%	Fair	11	40	1	10	5	15	2		X										Vines
1388	10	oak, northern red	Quercus rubra	65%	Good	9	30	1	10	5	15	2			X	X	X	X		X				Small DW (1-2")
1389	42	oak, northern red	Quercus rubra	50%	Fair	22	100	1	42	19	63	2		X									phototropic growth pattern to one side; basal cavity 1'x 10" x8"	Basal Decay, Large DW (3"+), Small DW (1-2"), Vines, Overhead Utilities
1390	9	mulberry, white	Morus alba	50%	Fair	6	35	1	9	4	14	2			X	X	X	X		X				Large DW (3"+), Small DW (1-2"), Vines
1391	8	cherry, sweet	Prunus avium	55%	Fair	9	30	1	8	4	12	2				X								Large DW (3"+), Small DW (1-2"), Vines
1392	7	tuliptree	Liriodendron tulipifera	50%	Fair	4	45	1	7	3	11	2				X								Narrow Crown
1393	7	tuliptree	Liriodendron tulipifera	55%	Fair	4	35	1	7	3	11	2				X								Narrow Crown, Small DW (1-2"), Vines
1394	6	maple, red	Acer rubrum	60%	Fair	9	30	1	6	3	9	2				X								Large DW (3"+), Small DW (1-2")
1395	21	tuliptree	Liriodendron tulipifera	60%	Fair	16	90	1	21	9	32	2				X	X	X	X	X	X			Narrow Crown, Small DW (1-2"), Vines
1396	12,14	maple, red	Acer rubrum	60%	Fair	9	70	2	18	8	28	2				X	X	X	X	X	X			Co-Dominant Stems, Large DW (3"+), Small DW (1-2")
1397	7,8,4	maple, red	Acer rubrum	60%	Fair	13	65	3	11	5	17	2				X	X	X	X	X	X			Co-Dominant Stems, Large DW (3"+), Small DW (1-2")
1398	5	beech, American	Fagus grandifolia	60%	Fair	7	30	1	5	2	8	2				X								One Sided
1399	5	hickory, pignut	Carya glabra	70%	Good	11	35	1	5	2	8	2				X								Small DW (1-2")
1400	5	beech, American	Fagus grandifolia	65%	Good	11	25	1	5	2	8	2				X								One Sided
1401	10	tuliptree	Liriodendron tulipifera	65%	Good	12	50	1	10	5	15	2				X								
1402	7	maple, red	Acer rubrum	65%	Good	7	35	1	7	3	11	2				X								Small DW (1-2")
1403	36	oak, northern red	Quercus rubra	60%	Fair	19	85	1	36	16	54	2			X	X	X	X		X				Large DW (3"+), Small DW (1-2")
1404	7	hickory, mockernut	Carya tomentosa	60%	Fair	6	30	1	7	3	11	2				X								One Sided, Small DW (1-2")
1405	10	hickory, pignut	Carya glabra	60%	Fair	10	60	1	10	5	15	2				X								One Sided, Small DW (1-2")
1406	12	beech, American	Fagus grandifolia	50%	Fair	14	40	1	12	5	18	2				X							misshapen top	Small DW (1-2")
1407	5	hornbeam, American	Carpinus caroliniana	60%	Fair	8	12	1	5	2	8	2				X								
1408	32	oak, northern red	Quercus rubra	60%	Fair	18	80	1	32	14	48	2				X	X	X	X	X	X			Large DW (3"+), Small DW (1-2"), Overhead Utilities
1409	18	tuliptree	Liriodendron tulipifera	55%	Fair	14	90	1	18	8	27	2				X	X	X	X	X	X			Large DW (3"+), Small DW (1-2")
1410	5	cherry, black	Prunus serotina	50%	Fair	6	35	1	5	2	8	2				X								
5000	36	pine, eastern white	Pinus strobus	65%	Good	15	76	1	36	16	54	2	YES		X	X	X	X		X			upright scaffold branch	SmallDW(1-2"), LargeDW(3+), CompactedSoils, OverheadUtilities, Vines
6000	7	redcedar, eastern	Juniperus virginiana	40%	Poor	6	18	1	7	3	11	2	YES		X	X	X	X		X				CompactedSoils, OverheadUtilities, Suppressed, Co-DominantStems, SmallDW(1-2")
7000	23	redcedar, eastern	Juniperus virginiana	55%	Fair	7	55	1	23	10	35	2				X							missing bark	Small DW (1-2")
7001	10	redcedar, eastern	Juniperus virginiana	65%	Good	6	35	1	10	5	15	2				X								Small DW (1-2")
7002	6,6,7,8	tree of heaven	Ailanthus altissima	60%	Fair	16	30	4	14	6	20	3				X								Included Bark/Weak Union, Co-Dominant Stems
7003	5,10,10,4	maple, Japanese	Acer palmatum	65%	Good	16	20	4	16	7	23	2				X								Surface Roots, Co-Dominant Stems
7004	6,3,2,1	holly, Chinese	Ilex cornuta	55%	Fair	5	25	4	7	3	11	2				X								Basal Decay, Co-Dominant Stems
7005	8	holly, Chinese	Ilex cornuta	60%	Fair	4	25	1	8	4	12	2				X								Small DW (1-2")
7006	2,2,1,1,1,1,2	citrus spp.	Citrus spp.	35%	Poor	6	10	8	4	2	6	3				X							trifoliata	Suppressed, Co-Dominant Stems, Low Vigor
7007	10	redcedar, eastern	Juniperus virginiana	55%	Fair	6	35	1	10	5	15	2				X								Large DW (3"+), Small DW (1-2")
7008	7	holly, Chinese	Ilex cornuta	55%	Fair	4	25	1	7	3	11	2				X								Suppressed, Stressed, Vines
7009	9	maple, Norway	Acer platanoides	50%	Fair	6	30	1	9	4	14	2				X								Suppressed, Stressed, Vines, Overhead Utilities
7010	3,2	locust, black	Robinia pseudoacacia	20%	Critical	1	4	2	4	2	5	4				X							topped w/ sprouts	Overhead Utilities
7011	6	maple, Norway	Acer platanoides	20%	Critical	4	16	1	6	3	9	3				X							topped e/ sptouts	Suppressed, Stressed, Vines, Overhead Utilities
7012	9	locust, black	Robinia pseudoacacia	20%	Critical	2	10	1	9	4	14	3				X							topped w/ sprouts	Stressed, Overhead Utilities
7013	12	redcedar, eastern	Juniperus virginiana	40%	Poor	7	35	1	12	5	18	3				X							tag 747	Suppressed, Large DW (3"+), Small DW (1-2"), Stressed, Vines
7014	4	devils-walkingstick	Aralia spinosa	60%	Fair	5	25	1	4	2	6	2				X								
7015	4	devils-walkingstick	Aralia spinosa	60%	Fair	3	25	1	4	2	6	2				X								
7016	4	devils-walkingstick	Aralia spinosa	20%	Critical	1	10	1	4	2	6	3				X							topped w/ sprouts	Low Vigor, Stressed, Overhead Utilities
7017	4	devils-walkingstick	Aralia spinosa	20%	Critical	1	10	1	4	2	6	3				X							topped w/ sprouts	Low Vigor, Stressed, Overhead Utilities
7018	2	devils-walkingstick	Aralia spinosa	55%	Fair	2	10	1	2	1	3	2				X								Suppressed
7019	9,6	locust, black	Robinia pseudoacacia	60%	Fair	4	40	2	11	5	16	2				X								Included Bark/Weak Union, Co-Dominant Stems, Small DW (1-2")
7020	10,4	cherry, black	Prunus serotina	45%	Fair	5	12	2	11	5	16	3				X								Excessive Lean, Co-Dominant Stems, Overhead Utilities
7021	5	locust, black	Robinia pseudoacacia	50%	Fair	4	30	1	5	2	8	2				X								Small DW (1-2"), Low Vigor
7022	3	maple, red	Acer rubrum	40%	Poor	3	20	1	3	1	5	3				X								Suppressed, Low Vigor, Stressed, Vines
7023	2,6,5	maple, red	Acer rubrum	60%	Fair	6	40	3	8	4	12	2				X								Co-Dominant Stems, Small DW (1-2")
7024	6,5,3	cherry, black	Prunus serotina	50%	Fair	6	30	3	8	4	13	2				X							3" lead dead	Co-Dominant Stems, Small DW (1-2"), Vines
7025	7	cherry, black	Prunus serotina	25%	Poor	2	14	1	7	3	11	3				X							topped w/ sprouts	Small DW (1-2"), Vines, Overhead Utilities
7026	5	cherry, black	Prunus serotina	60%	Fair	4	20	1	5	2	8	2				X								Small DW (1-2"), Vines
7027	7	cherry, black	Prunus serotina	25%	Poor	2	12	1	7	3	11	3				X							topped w/ sprouts	Small DW (1-2"), Vines, Overhead Utilities
7028	8,5	cherry, black	Prunus serotina	25%	Poor	2	10	2	9	4	14	3				X							topped w/ sprouts	Co-Dominant Stems, Small DW (1-2"), Vines, Overhead Utilities
7029	7	cherry, black	Prunus serotina	25%	Poor	2	10	1	7	3	11	3				X							topped w/ sprouts	Small DW (1-2"), Vines, Overhead Utilities
7030	4,3	tuliptree	Liriodendron tulipifera	25%	Poor	2	10	2	5	2	8	3				X							topped w/ sprouts	Included Bark/Weak Union, Co-Dominant Stems, Small DW (1-2"), Vines, Overhead Utilities
7031	12	maple, red	Acer rubrum	60%	Fair	5	50	1	12	5	18	2				X								Vines, Overhead Utilities
7032	12	maple, red	Acer rubrum	60%	Fair	6	50	1	12	5	18	2				X								Small DW (1-2"), Overhead Utilities
7033	14,14	maple, red	Acer rubrum	60%	Fair	6	65	2	20	9	30	2			X	X	X	X		X				Co-Dominant Stems, Small DW (1-2"), Overhead Utilities
7034	16	tuliptree	Liriodendron tulipifera	65%	Good	10	80	1	16	7	24	2			X	X	X	X		X				Small DW (1-2")
7035	14	tuliptree	Liriodendron tulipifera	40%	Poor	5	70	1	14	6	21	3			X	X	X	X		X				Small DW (1-2"), Low Vigor, Stressed, Overhead Utilities
7036	5,3,3	cherry, black	Prunus serotina	30%	Poor	5	12	3	7	3	10	3			X	X	X	X		X			topped w/ sprouts	Co-Dominant Stems, Overhead Utilities
7037	34	maple, red	Acer rubrum	55%	Fair	18	75	1	34	15	51	2			X	X	X	X		X			tag 762	Overhead Utilities
7038	3	yew spp.	Taxus spp.	60%	Fair	5	10	1	3	1	5	2				X								
7039	32,31	maple, red	Acer rubrum	50%	Fair	25	60	2	45	20	67	2			X	X	X	X		X				Surface Roots, Co-Dominant Stems, Mechanical Damage, Large DW (3"+), Small DW (1-2")
7040	2	cherry, Higan	Prunus subhirtella	65%	Good	3	8	1	2	1	3	2		X										
7041	2,1	cherry, Higan	Prunus subhirtella	60%	Fair	2	8	2	2	1	3	2				X								Co-Dominant Stems
7042	2,2	cherry, Higan	Prunus subhirtella	60%	Fair	3	10	2	3	1	4	2				X								Co-Dominant Stems, Broken Limbs

Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlands.com

CERTIFIED ARBORIST
CARY HULSE
ISA# PD-1080A
32475DI
Wetland Studies and Solutions, Inc. a DAVEY company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(28)

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

	PROJECT	SHEET NO.
	U000-151-R94	025(28)

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FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

TOOLE DESIGN
ONE INVENTA PLACE, WEST TOWER, SUITE 950
SILVER SPRING, MD 20910
PHONE: 301.927.1900
FAX: 301.927.2800
www.tooledesign.com

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

GENERAL NOTES (Bid Alternate 2)

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	26(1)

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TOOLE DESIGN
ONE INVENTA PLACE, WEST TOWER, SUITE 950, SILVER SPRING MD 20910

TYPEFACES

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
123456789,.?!@#&*

HELVETICA LT PRO, BOLD
METRIC SPACING, -25 TO +25 TRACKING (SHOWN AT 0)

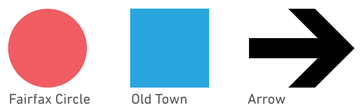
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
123456789,.?!@#&*

ACUMIN VARIABLE CONCEPT, CONDENSED SEMIBOLD
METRIC SPACING, -25 TO +25 TRACKING (SHOWN AT 0)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
123456789,.?!@#&*

STOLZL, MEDIUM
METRIC SPACING, -25 TO +25 TRACKING (SHOWN AT 0)

SYMBOLS



COLOR

	Paint (Matthews)	Hex Code	Primary Use
C1	TBD	#000000	Fingerpost sign body
C2	TBD	#FFFFFF	Text
C3	TBD	#F15C62	Details
C4	TBD	#2AA6DE	Details

MATERIAL

- **M1** 3.54" Round Aluminum Sign Post
- **M2** 0.78" Aluminum
- **M3** 3/16" Corten Steel
- **M4** Chocolate Gray Building Stone / Split Fieldstone, gray-brown to dark gray coloration, natural split face, installed per manufacturer recommendations. Stone type, color range, and texture shall be verified with physical samples and mockup prior to fabrication and installation. No substitutions without approval.
- **M5** 1/4" White Opal Acrylic
- **V1** Premium UV-stable cast vinyl

SAMPLE REQUIREMENTS

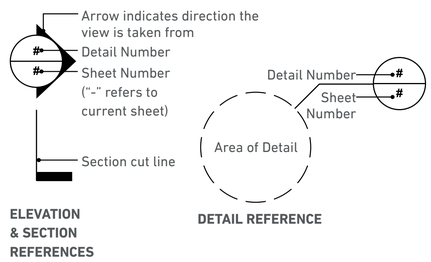
Fabricator to provide two copies of the following samples for review (1 for design team records and 1 for return with notes)

- Fingerpost Panel
- Fingerpost, post cap
- Stone sample
- Corten sample

ABBREVIATIONS & CONVENTIONS

CL	Centerline	SIM.	Similar
CLR	Clear	TYP.	Typical
EQ.	Equal	U.N.O.	Unless Noted Otherwise
MIN.	Minimum	V.I.F.	Verify In Field
		VHB	Very High Bond
		N.T.S	Not To Scale





GENERAL NOTES

1. This scope of work includes structural engineering, permitting, fabrication, and installation of wayfinding signage in the public right-of-way. Structural engineering must be signed off on by a Professional Engineer (PE) licensed in the Commonwealth of Virginia.
2. Installation work includes subsidiary repairs to surrounding landscape and/or hardscape where needed. It is the responsibility of the bidder to determine where installation will disrupt adjacent hardscape and/or landscape and include the cost of repair in the bid.
3. All plan drawings are based on in-progress plans from other trades. It is the responsibility of the installer to verify dimensions in the field and confirm direction with the City of Fairfax if any deviation or other unexpected condition occurs.
4. Fabricator shall be responsible for preparation of shop drawings and material samples for approval by the City of Fairfax, and shall undertake fabrication only when these have been approved.
5. All icons and logos shown in this document will be provided for the fabricator's use.
6. If, in the preparation of shop drawings, the fabricator observes any changes which would improve the build quality of the signs, the fabricator shall submit those recommendations in writing for approval by the City or their technical representative prior to preparation of shop drawings or samples. Substitutions must be of equal or better performance quality to be accepted.
7. Contractor shall field verify all dimensions for potential conflicts with existing utilities and all other existing structures and facilities in the vicinity of the work. Report to the engineer any potential conflicts that affect the ability to complete the work as noted on the plans.
8. The Contractor is responsible for understanding all standards pertaining to this project, including these plans as well as applicable State and Local standards.
9. Contractor is responsible for alerting and obtaining permissions from any underground utilities prior to any excavation for markouts of existing underground facilities.
10. Contractor shall contact the City of Fairfax and request a location of City-owned utilities a minimum of five (5) days prior to the beginning of construction. Contractor is prohibited from performing any excavation prior to the City locating City-owned utilities.
11. Any City, utility, or private property—including landscaping, sidewalk, irrigation, underground facilities, or other improvements—which are damaged by the contractor's operations shall be repaired or replaced at the Contractor's expense and to the satisfaction of the City of Fairfax.
12. Contractor shall not remove existing trees or shrubs unless noted on the plans or directed to do so by the City of Fairfax.
13. Contractor shall maintain access to all driveways during construction, including deliveries to adjacent commercial operations.
14. All traveled walkways shall be safe and usable per ADA standards at the end of each workday unless otherwise approved by the City of Fairfax.
15. Contractor shall maintain traffic control and pedestrian use within City of Fairfax public right-of-way during construction in accordance with the latest Virginia MUTCD. Pedestrian traffic shall also conform to the requirements of the Americans with Disabilities Act (ADA) and shall accommodate pedestrian traffic through or around the work zones within City of Fairfax public right-of-way.
16. Temporary signage shall be constructed with retroreflective material on a backing of metal or fabric. For signs directed to pedestrians only, corrugated printed signs may be used. Signs shall be removed or covered when not required.
17. Overhead utilities and service drops may not be shown on the plans. The Contractor shall investigate the site and be aware of limited overhead clearances.
18. All work shall be performed in compliance with approved regulatory permits, including, but not limited to, work in or adjacent to waterways, wetlands, existing railroad track, city streets, and treed areas. It is the responsibility of the Contractor to obtain required permits.
19. It shall be the Contractor's responsibility to restrict operations to areas approved and remain within permitted locations.
20. Contractor shall access the site from City of Fairfax public right-of-way unless other access rights are secured by the Contractor and provided to the City of Fairfax for verification. The Contractor shall be responsible for obtaining any necessary encroachment permit(s) from the City of Fairfax or other relevant jurisdiction.
21. Written dimensions on the drawings shall take precedence over scaled dimensions. Large-scale details shall take precedence over smaller-scale contextual drawings. On-site measurements shall take precedence over conditions shown in drawings.
22. Fabricator shall warranty all materials, fabrication, and installation work for a minimum of one (1) year, and all finishes for a minimum of three (3) years. Any fading, cracking, warping, peeling, rusting, delamination, corrosion, mount/fastener failure, or other structural failure shall be considered failure of the materials and/or workmanship and shall be corrected by the Contractor upon notification.

MATERIALS & FINISH

1. All fabricated signs shall be built to withstand normal maintenance operations based on manufacturer recommendations. All signs shall be built to withstand public abuse and/or vandalism, including a combined graffiti/UV coating, and tamper-proof hardware where visible.
2. All material, hardware, components, finishes, etc. used to fabricate signs shall be 'new,' as in not previously used or operated, and from the most recent version produced by the manufacturer that complies with the drawing requirements.
3. No visible labels, including but not limited to manufacturer's, fabricator's, or any other labels, shall be visible on signs unless explicitly required by code. In such a case, the style and location of labels shall be indicated on shop drawings.
4. Metal sign panels shall be aluminum of alloy and temper recommended by producer for the finish indicated, and appropriate for maintaining a rigid surface for the span of the sign in question. All finished surfaces shall be smooth and free of visible pits, scratches, or other defects. All edges and corners to be eased, with no burrs, sharp corners, or cutting edges visible or detectable to the touch. Where drawings show individual panels, fabricator should avoid combining panels unnecessarily so as to retain flexibility for future updates.
5. Painted sign panels shall use Matthews brand sign paints or approved equal, and follow manufacturer's guidelines for pretreatment of substrate, preparation, application, and finishing. Panels must be finished with a non-yellowing graffiti/UV protecting coating.
6. Vinyl shall be 3M Scotchcal film or approved equal, rated for exterior use. Vinyl shall be securely adhered to first surface of sign panels. Application shall be free of bubbles, wrinkles, or other imperfections. Matte overlaminate shall be used, except where an overlaminate would interfere with retroreflective vinyls.
7. All text and symbols shall be crisp, sharp, clean, free from ticks, pixelation, line waiver, or similar issues. Edges of letter must be straight, corners sharp, color and texture uniform. Silkscreened copy is preferred, but direct print may be accepted if fabricator is able to demonstrate sufficient quality. Copy to run parallel to edge of rectangular signs, as measured from baseline.
8. All signs and component pieces thereof to be installed level, plumb, and true.
9. Fasteners to be concealed wherever possible. Where this is not possible, fasteners shall be vandal-proof, should be placed so as not to interrupt text or symbols, and painted to match adjacent sign panels or frame.
10. Isolate dissimilar materials, including fasteners. Fasteners, washers, and other hardware to be selected by fabricator to maintain material integrity of signs and building surfaces.
11. Where printed graphics and painted sign panels or hardware are directly adjacent, care shall be taken that colors match between production methods.
12. Provide internal illumination using concealed, internally wired, LED system to illuminate message panels uniformly with minimum halation and without light leaks. Include LED's, transformers, and other components necessary for complete systems. Make provisions for servicing and concealing transformers and connections to electrical system. Coordinate electrical characteristics with those of power supply provided. Electrical loading shall be verified by following the testing procedures recommended by the LED-systems manufacturer. All exterior LEDs shall be rated IP68.

	PROJECT	SHEET NO.
	U000-151-R94	26(1)

12/31/2025

FINAL PLANS

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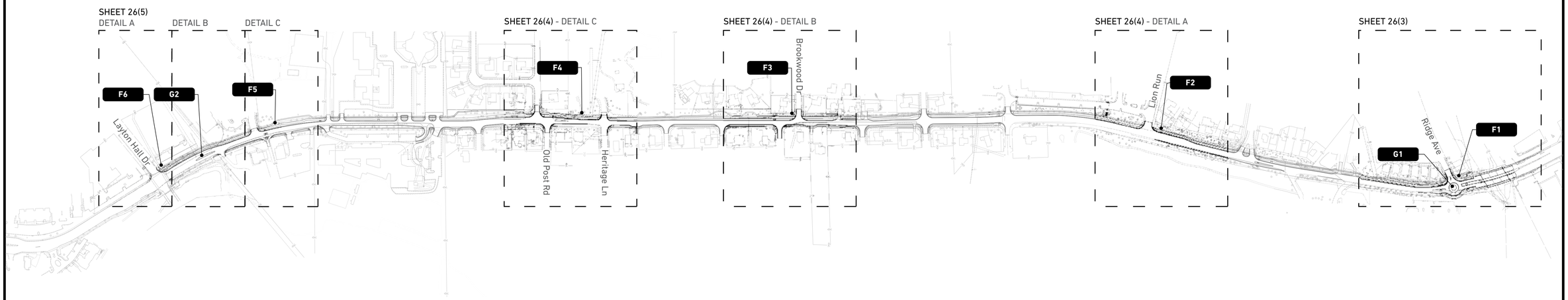
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
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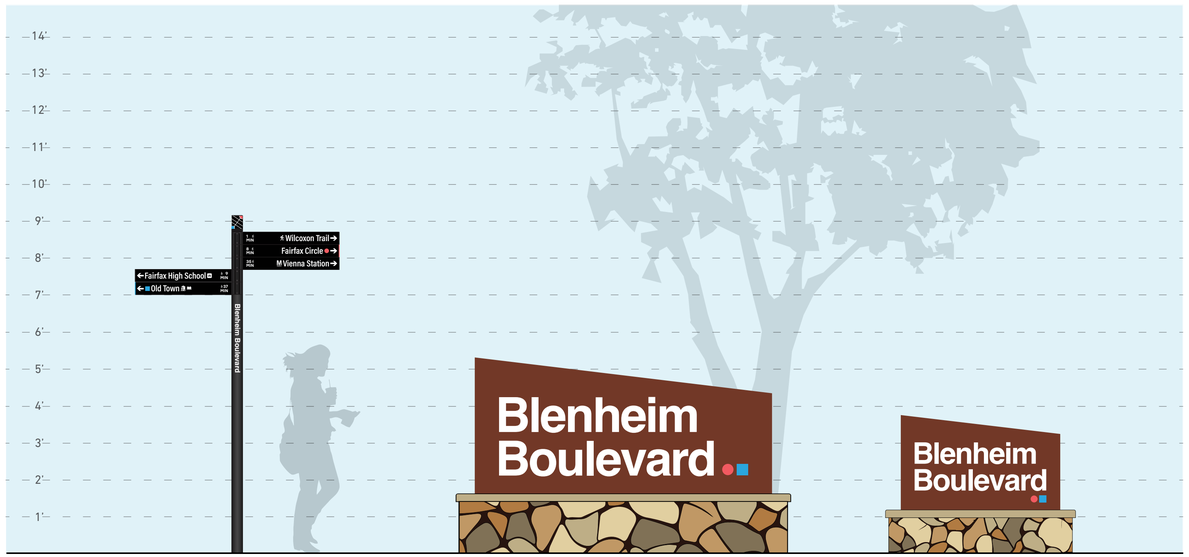
Signage Overview (Bid Alternate 2)

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	26(2)

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TOOLE DESIGN
ONE INVENTA PLACE,
WEST TOWER,SUITE 950,
SILVER SPRING MD 20910





F#
Fingerpost
Sheet26(6)

G1
Gateway- Ridge Ave
Sheet26(7)

G2
Gateway- Layton Hall Dr.
Sheet26(8)

NOTE: OVERALL ELEVATIONS SHOWN FOR SIGN TYPE REFERENCE ONLY, FOR DETAILS SEE SHEETS AS NOTED

	PROJECT	SHEET NO.
	U000-151-R94	26(2)

12/31/2025

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SIGN LOCATION PLAN DETAIL
(Bid Alternate 2)

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	26(3)

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

TOOLE DESIGN
ONE INVENTA PLACE,
WEST TOWER, SUITE 950,
SILVER SPRING MD 20910

Ridge Avenue

Sign F1
Sta. 175+96.17
44.00' LT

℄ POST
2'-6"
4'-10 3/4"
℄ POST

Sign G1
Sta. 175+16.14
0.00' RT

NOTE: COORDINATE ALL LOCATIONS BY REFERENCE POINT WITH GENERAL CONTRACTOR

Blenheim Boulevard

175

176

℄

10

13.02'

14.33'

2.65'

SCALE	PROJECT	SHEET NO.
0 5' 10'	U000-151-R94	26(3)

12/31/2025

FINAL PLANS

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WEST TOWER, SUITE 950
SILVER SPRING, MD 20910
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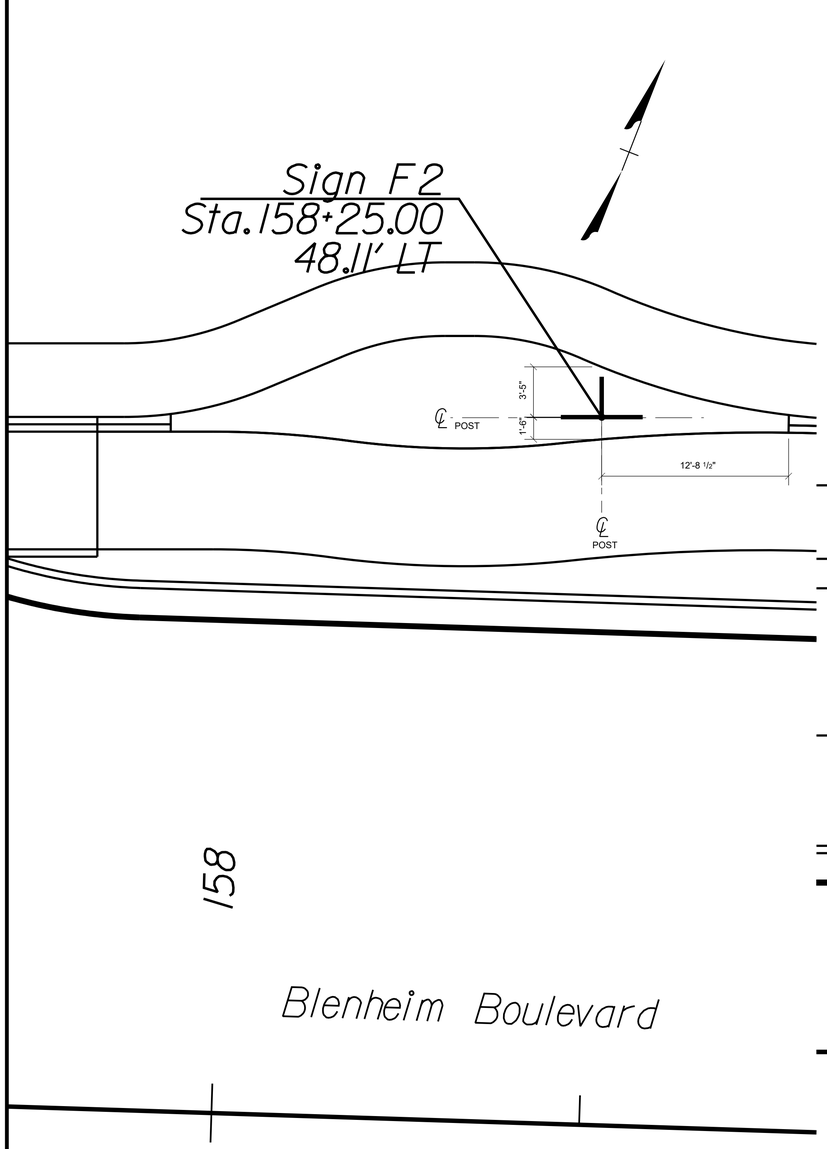
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

SIGN LOCATION PLAN DETAIL
(Bid Alternate 2)

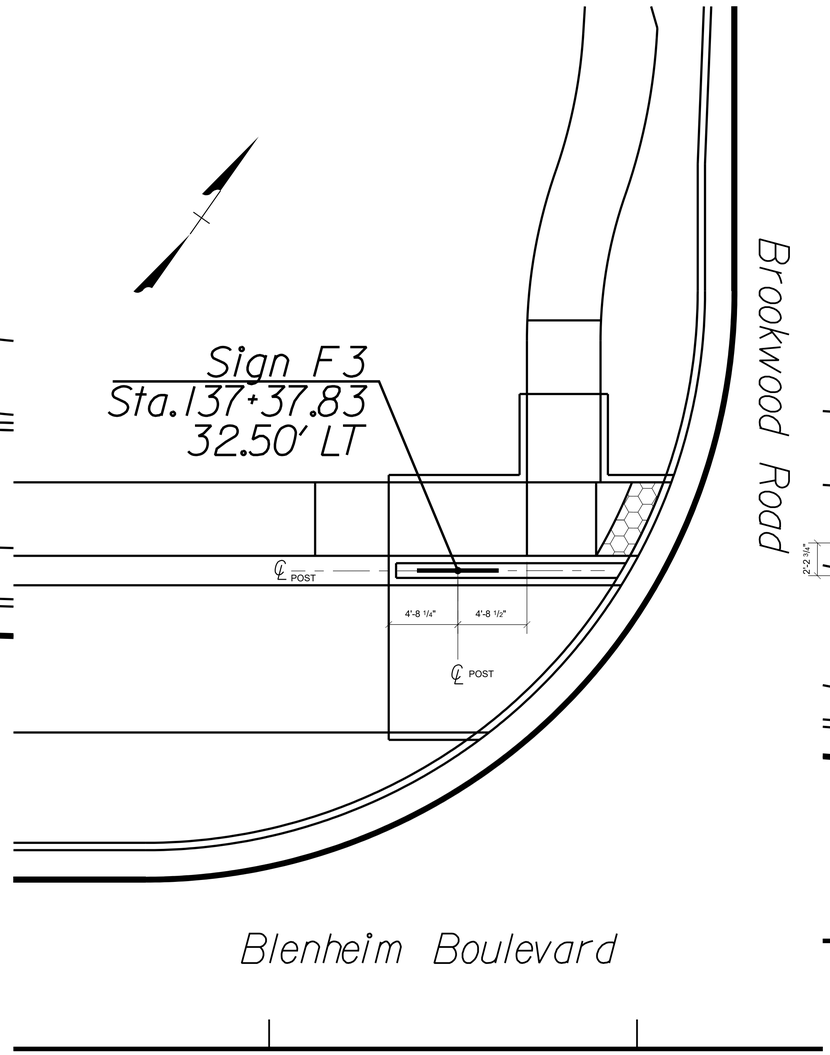
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	26(4)

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

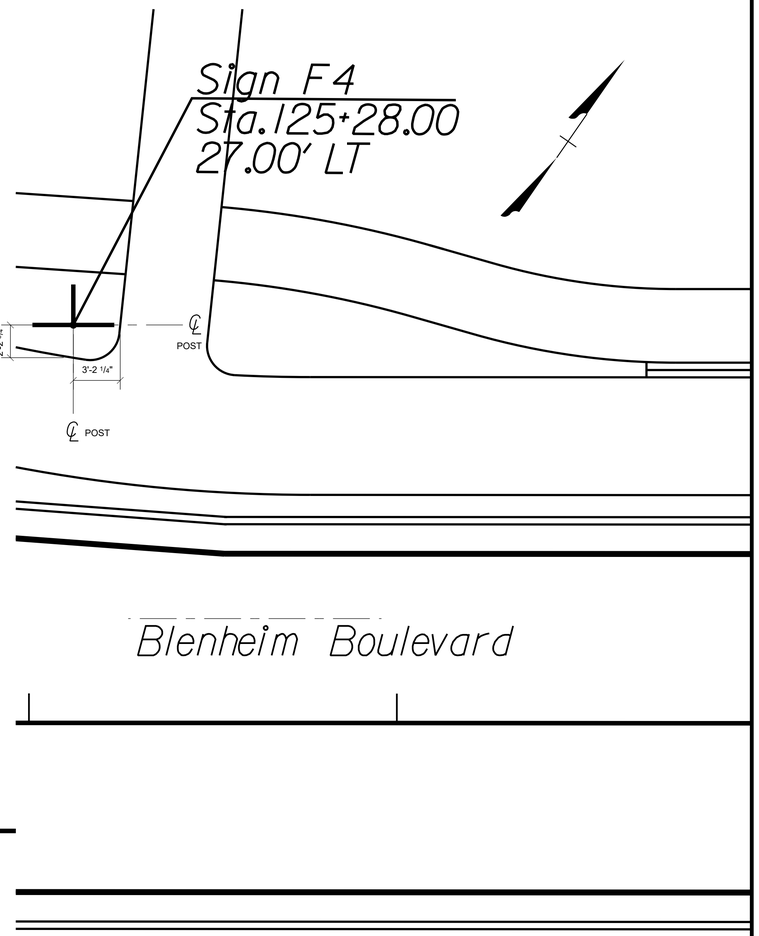
TOOLE DESIGN
ONE INVENTA PLACE,
WEST TOWER, SUITE 950,
SILVER SPRING MD 20910



DETAIL A



DETAIL B



DETAIL C

SCALE	PROJECT	SHEET NO.
0 5' 10'	U000-151-R94	26(4)

12/31/2025

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www.tooledesign.com

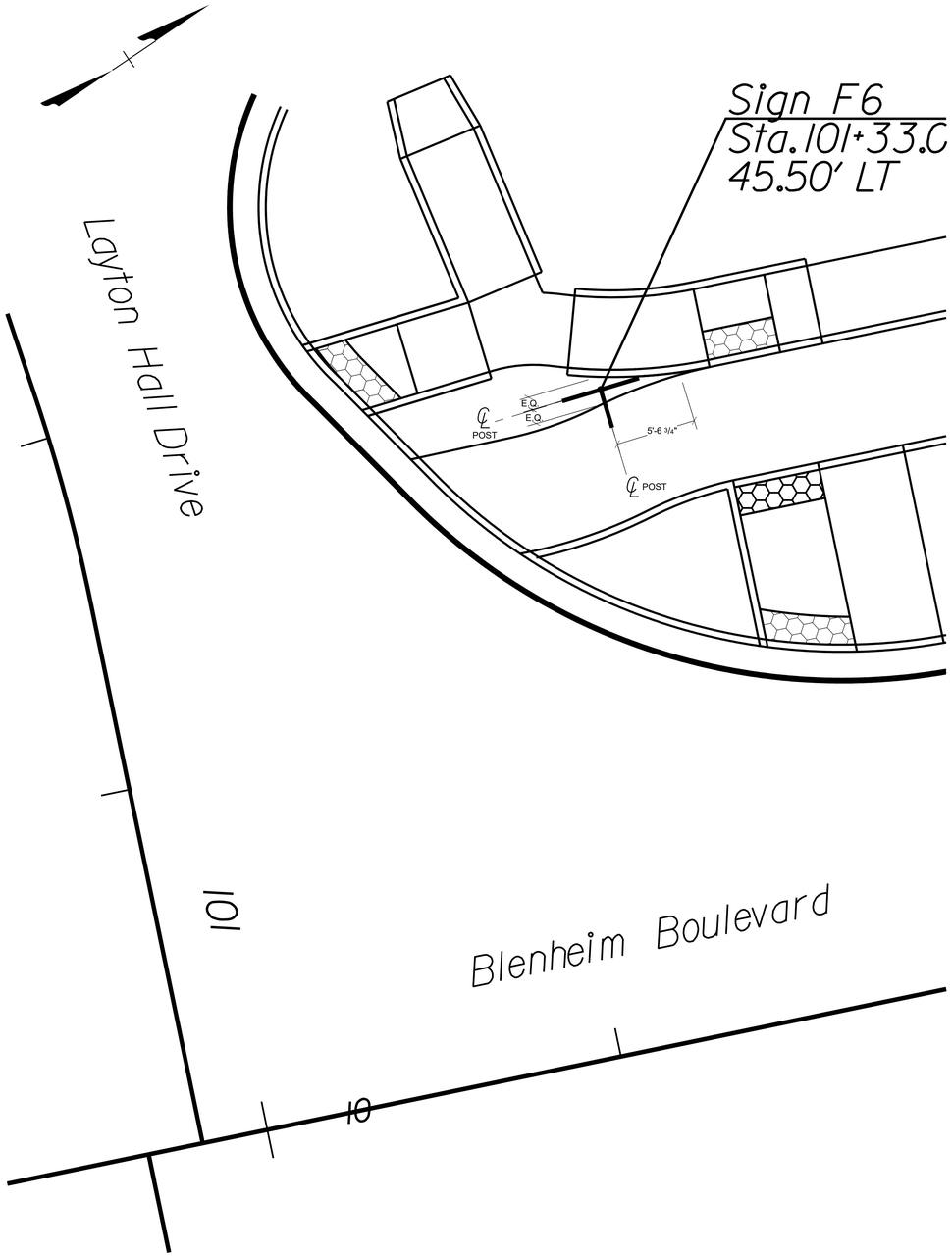
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

SIGN LOCATION PLAN DETAIL
(Bid Alternate 2)

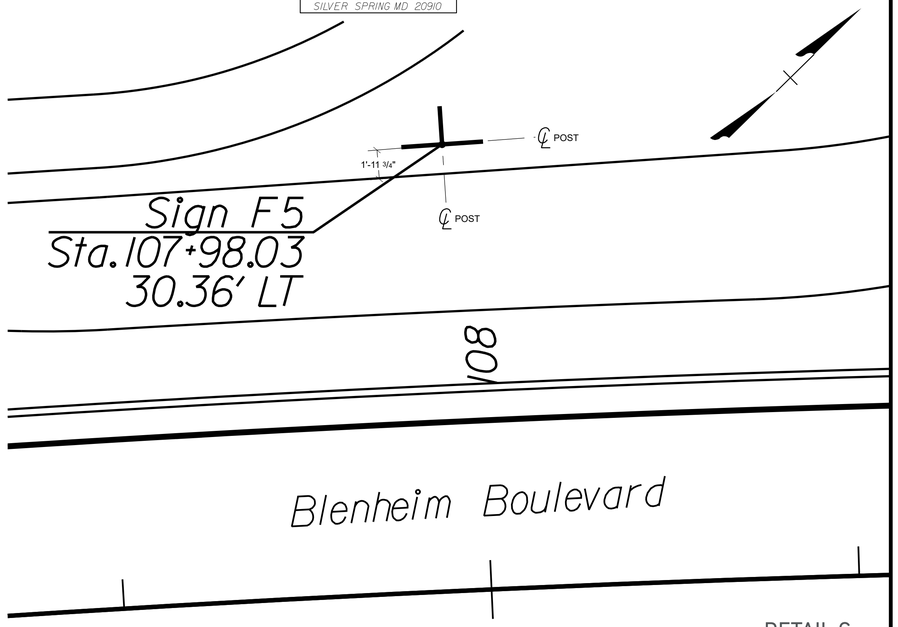
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	26(5)

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

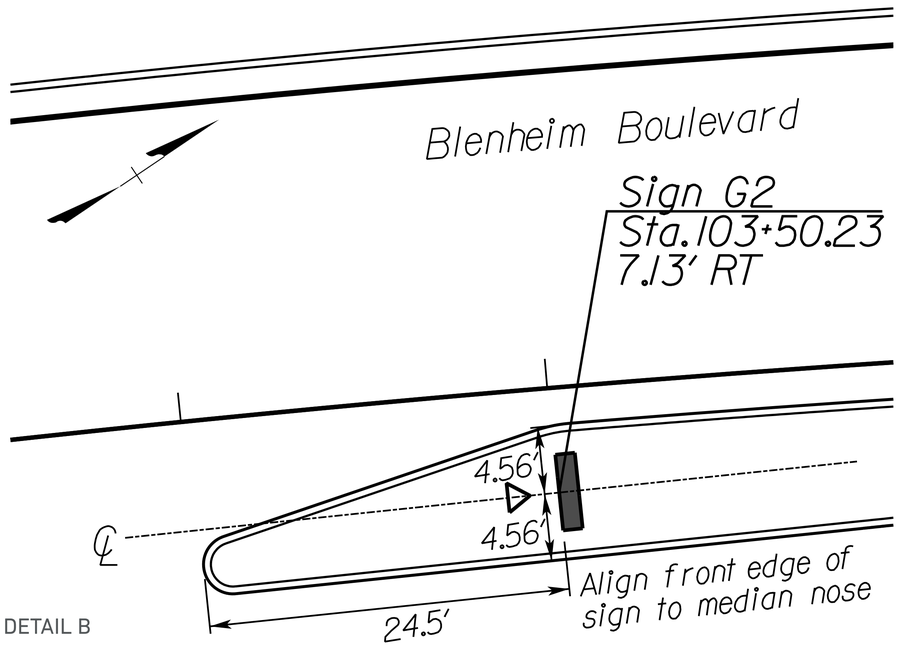
TOOLE DESIGN
ONE INVENTA PLACE,
WEST TOWER, SUITE 950,
SILVER SPRING MD 20910



DETAIL A



DETAIL C



DETAIL B

SCALE	PROJECT	SHEET NO.
0 5' 10'	U000-151-R94	26(5)

12/31/2025

FINAL PLANS

TOOLE DESIGN
ONE INVENTA PLACE,
WEST TOWER, SUITE 950
SILVER SPRING, MD 20910
PHONE: 301.927.1900
FAX: 301.927.2800
www.tooledesign.com

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
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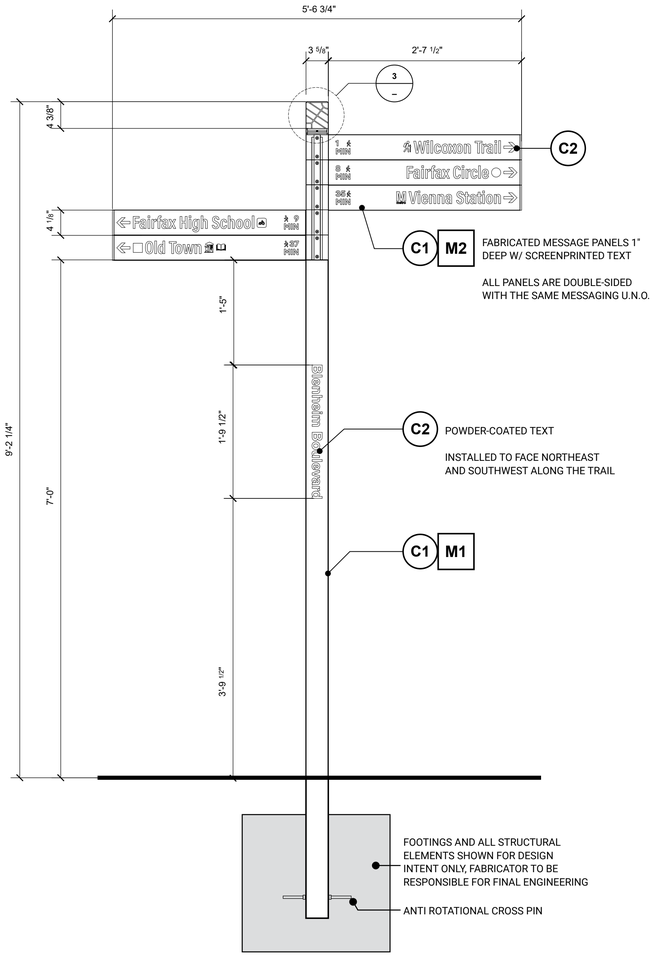
FINGERPOST SIGNS (Bid Alternate 2)

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	26(6)

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

TOOLE DESIGN
ONE INVENTA PLACE,
WEST TOWER, SUITE 950,
SILVER SPRING MD 20910

DESIGN TO USE ENCOMPASS SIGN SYSTEMS,
OCTOPUS FINGERPOST SIGN SYSTEM (OR EQUIVALENT)
ENCOMPASSSIGN.COM



FABRICATED MESSAGE PANELS 1" DEEP W/ SCREENPRINTED TEXT

ALL PANELS ARE DOUBLE-SIDED WITH THE SAME MESSAGING U.N.O.

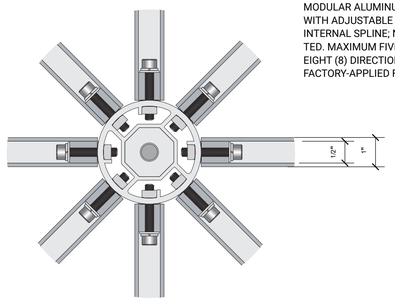
POWDER-COATED TEXT

INSTALLED TO FACE NORTHEAST AND SOUTHWEST ALONG THE TRAIL

FOOTINGS AND ALL STRUCTURAL ELEMENTS SHOWN FOR DESIGN INTENT ONLY, FABRICATOR TO BE RESPONSIBLE FOR FINAL ENGINEERING

ANTI ROTATIONAL CROSS PIN

1 SIGN LAYOUT
SCALE: 1" = 1'-0"

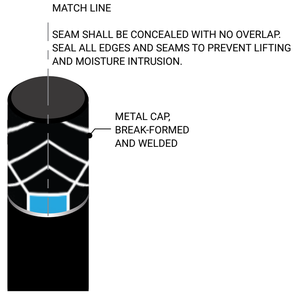


MODULAR ALUMINUM FINGERPOST SYSTEM WITH ADJUSTABLE COLLARS SECURED TO INTERNAL SPLINE; NO FIELD DRILLING PERMITTED. MAXIMUM FIVE (5) COLLARS PER POST, EIGHT (8) DIRECTIONAL POSITIONS PER COLLAR. FACTORY-APPLIED FINISH.

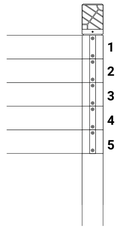
2 PANEL ATTACHMENT DETAILS
SCALE: 6" = 1'-0"



360° VINYL WRAP



3 CAP DETAIL
1/2" = 1'



PANEL POSITION KEY

Panel Position (see key above)	Cardinal Direction	Aligned parallel to Blenheim Blvd?
1	east-souteast	no
2	north-northeast	yes
2	south-southeast	yes
3	north-northeast	yes
3	south-southeast	yes
4	south-southeast	yes
4	north-northeast	yes

9 FINGERPOST 6
SCALE: 3/4" = 1'-0"

1	northwest	no
2	northwest	no
3	southwest	yes
4	southwest	yes
4	northeast	yes
5	southwest	yes
5	northeast	yes

8 FINGERPOST 5
SCALE: 3/4" = 1'-0"

1	northwest	no
2	southwest	yes
3	northeast	yes
3	southwest	yes
4	southwest	yes
4	northeast	yes
5	northeast	yes

7 FINGERPOST 4
SCALE: 3/4" = 1'-0"

1	east-northeast	yes
2	east-northeast	yes
3	east-northeast	yes
1	west-southwest	yes
2	west-southwest	yes

6 FINGERPOST 3
SCALE: 3/4" = 1'-0"

1	north-northwest	no
2	east-northeast	yes
3	east-northeast	yes
2	west-southwest	yes
3	west-southwest	yes

5 FINGERPOST 2
SCALE: 3/4" = 1'-0"

1	northwest	no
2	northwest	no
3	northeast	yes
4	northeast	yes
3	southwest	yes
4	southwest	yes

4 FINGERPOST 1
SCALE: 3/4" = 1'-0"

PROJECT	SHEET NO.
U000-151-R94	26(6)

12/31/2025

FINAL PLANS

TOOLE DESIGN
ONE INVENTA PLACE, WEST TOWER, SUITE 950
SILVER SPRING, MD 20910
PHONE: 301.927.1900
FAX: 301.927.2800
www.tooledesign.com

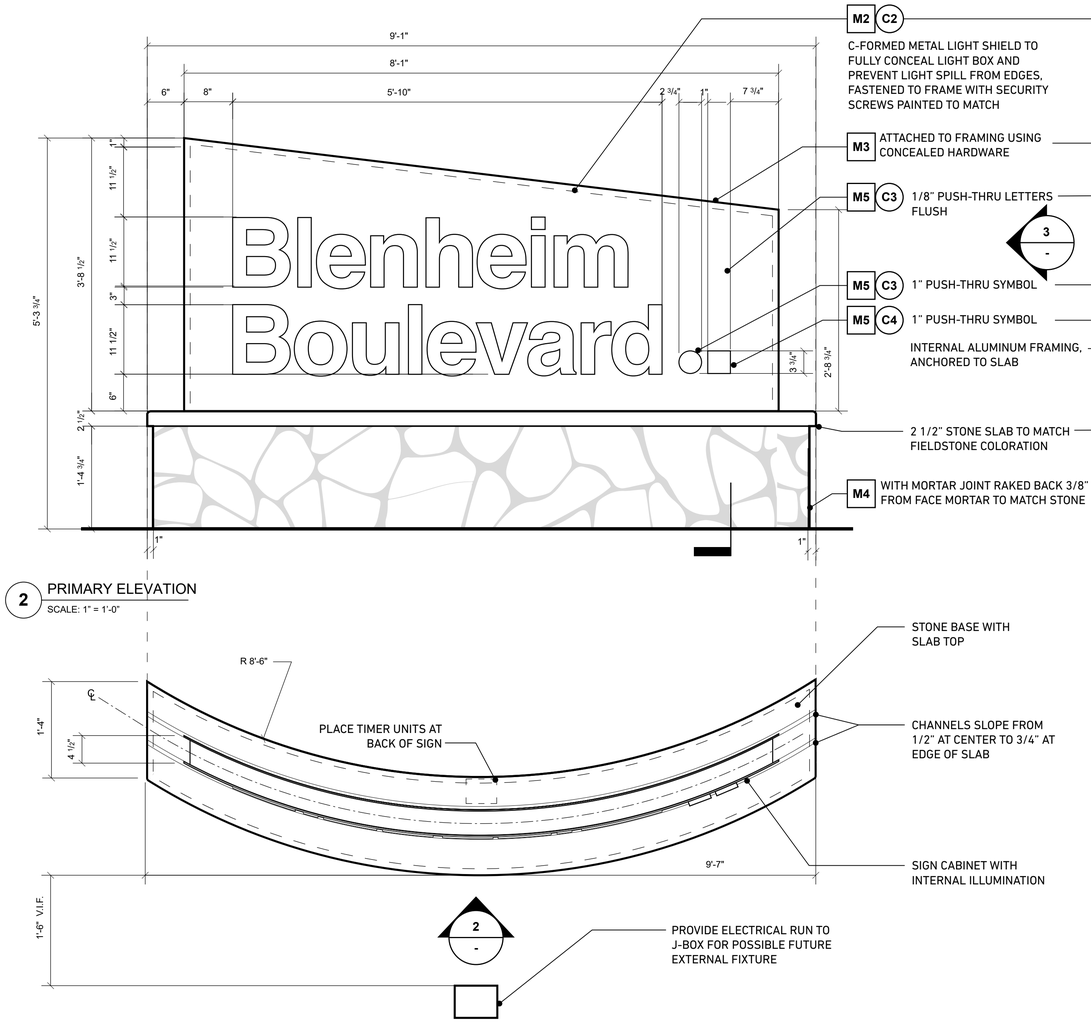
PROJECT MANAGER *Wendy Block Sanford, (703) 385-7889*
SURVEYED BY, DATE *Nick Kougalis, L.S., (703) 368-7373 (2020)*
DESIGN BY *Mark A. Gunn, P.E., (703) 368-7373*
SUBSURFACE UTILITY BY, DATE *Accumark, (800) 542-2990 (2015)*

G1: RIDGE AVE ROUNDABOUT
(Bid Alternate 2)

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	26(7)

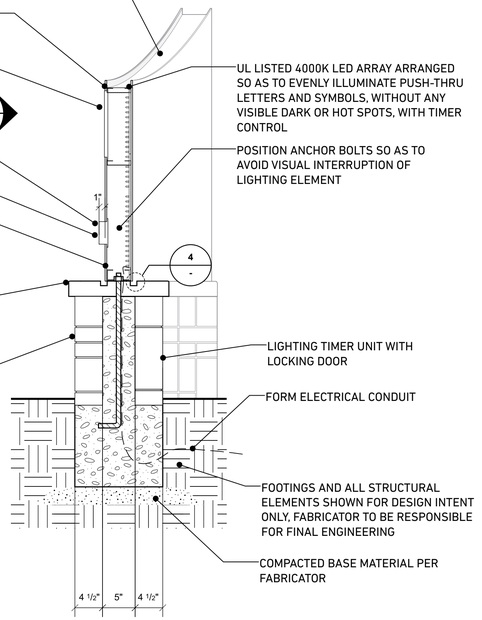
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
ONE INVENTA PLACE, WEST TOWER, SUITE 950, SILVER SPRING MD 20910

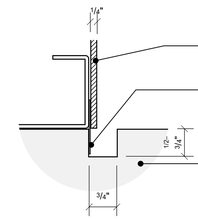


2 PRIMARY ELEVATION
SCALE: 1" = 1'-0"

1 PLAN
SCALE: 1" = 1'-0"



3 SECTION
SCALE: 1" = 1'-0"



4 CHANNEL DETAIL
SCALE: 6" = 1'-0"

PROJECT	SHEET NO.
U000-151-R94	26(7)

12/31/2025

FINAL PLANS

TOOLE DESIGN
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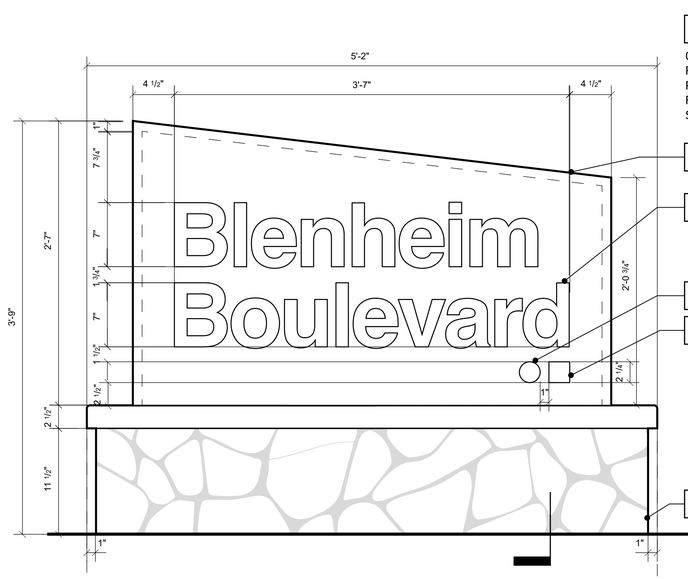
PROJECT MANAGER *Wendy Block Sanford, (703) 385-7889*
SURVEYED BY, DATE *Nick Kougalis, L.S., (703) 368-7373 (2020)*
DESIGN BY *Mark A. Gunn, P.E., (703) 368-7373*
SUBSURFACE UTILITY BY, DATE *Accumark, (800) 542-2990 (2015)*

G2: LAYTON HALL DR.
(Bid Alternate 2)

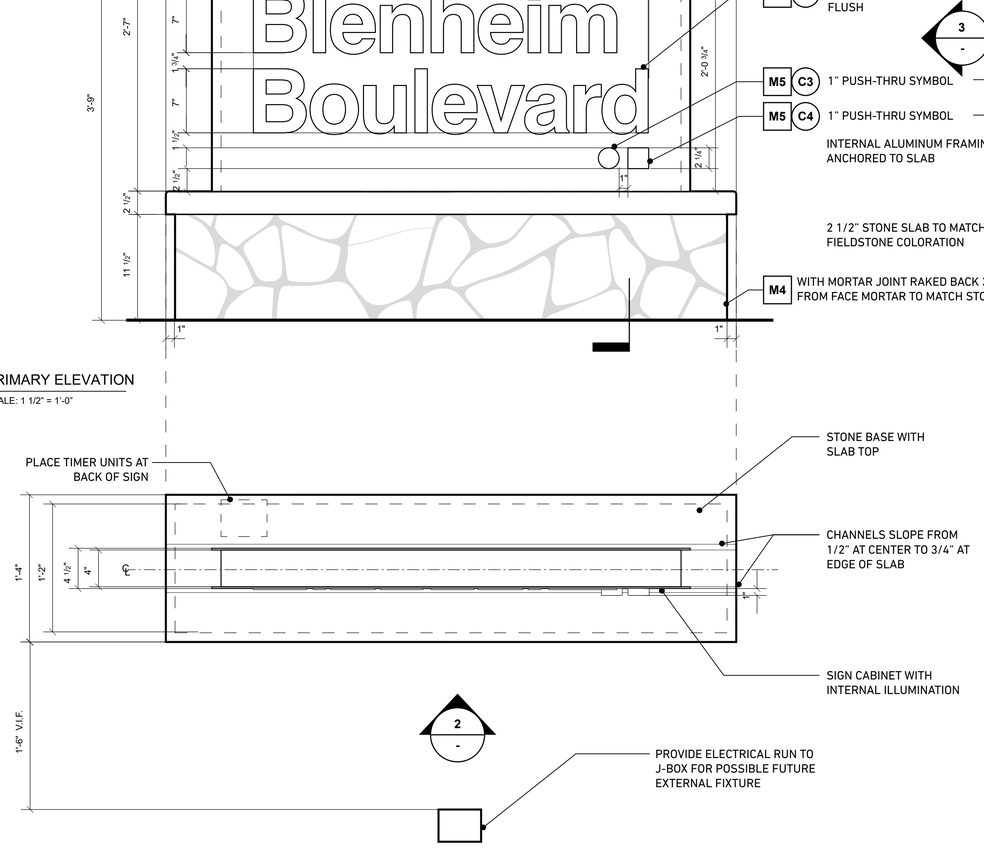
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	26(8)

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

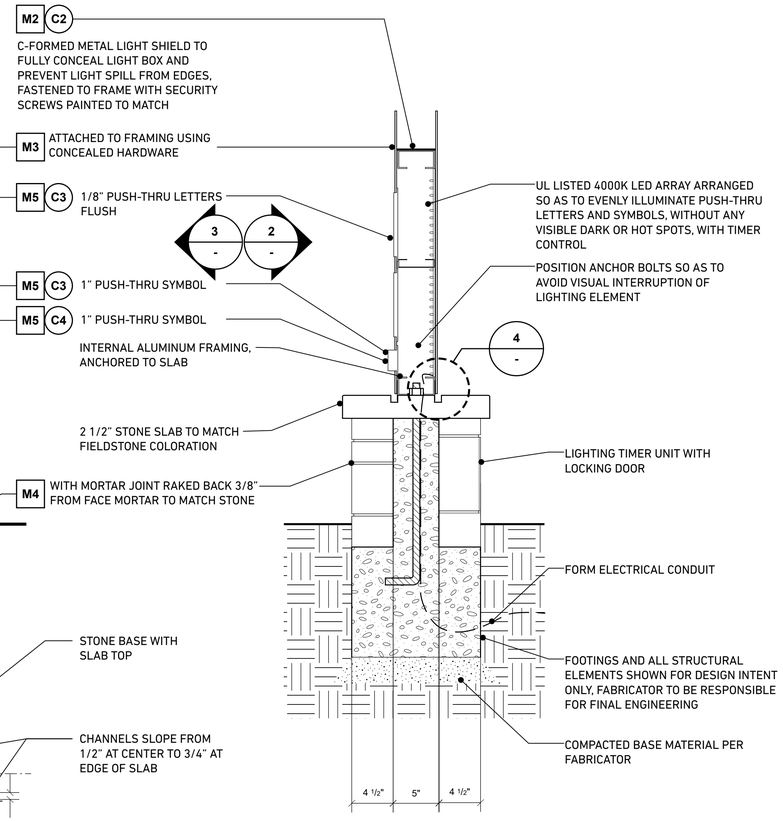
TOOLE DESIGN
ONE INVENTA PLACE,
WEST TOWER, SUITE 950,
SILVER SPRING MD 20910



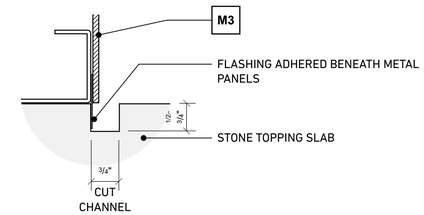
2 PRIMARY ELEVATION
SCALE: 1 1/2" = 1'-0"



1 PLAN
SCALE: 1 1/2" = 1'-0"



3 SECTION
SCALE: 1 1/2" = 1'-0"



4 CHANNEL DETAIL
SCALE: 6" = 1'-0"

12/31/2025

	PROJECT	SHEET NO.
	U000-151-R94	26(8)

FINAL PLANS

12/1/2025
4:07:58 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

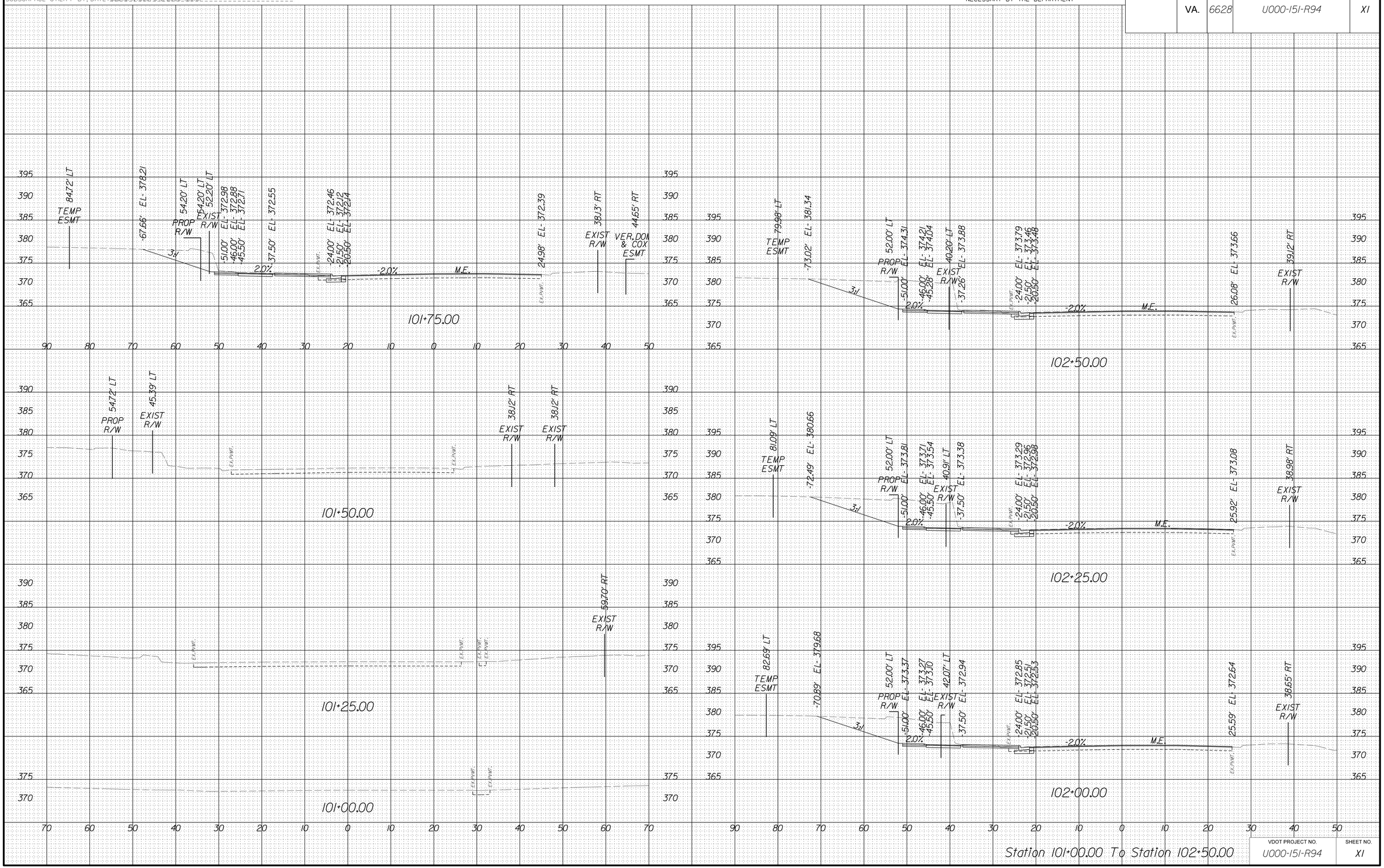
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	XI



Station 101+00.00 To Station 102+50.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	XI

FINAL PLANS

12/11/2025
4:08:09 PM

PROJECT MANAGER: Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE: Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY: Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Accumark, (800) 542-2990 (2015)

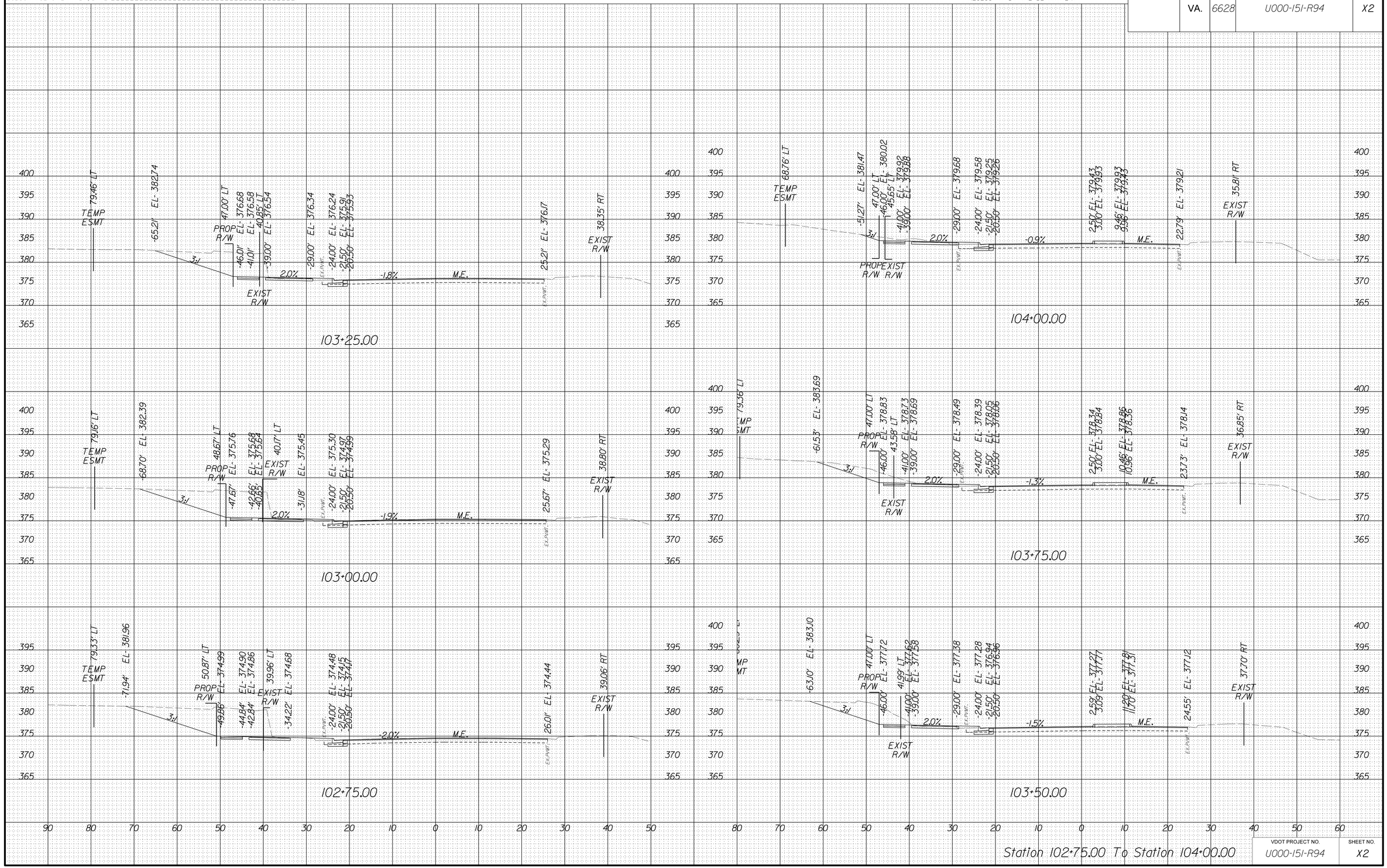
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X2



Station 102+75.00 To Station 104+00.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X2

FINAL PLANS

12/11/2025
4:08:19 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373, (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990, (2015)

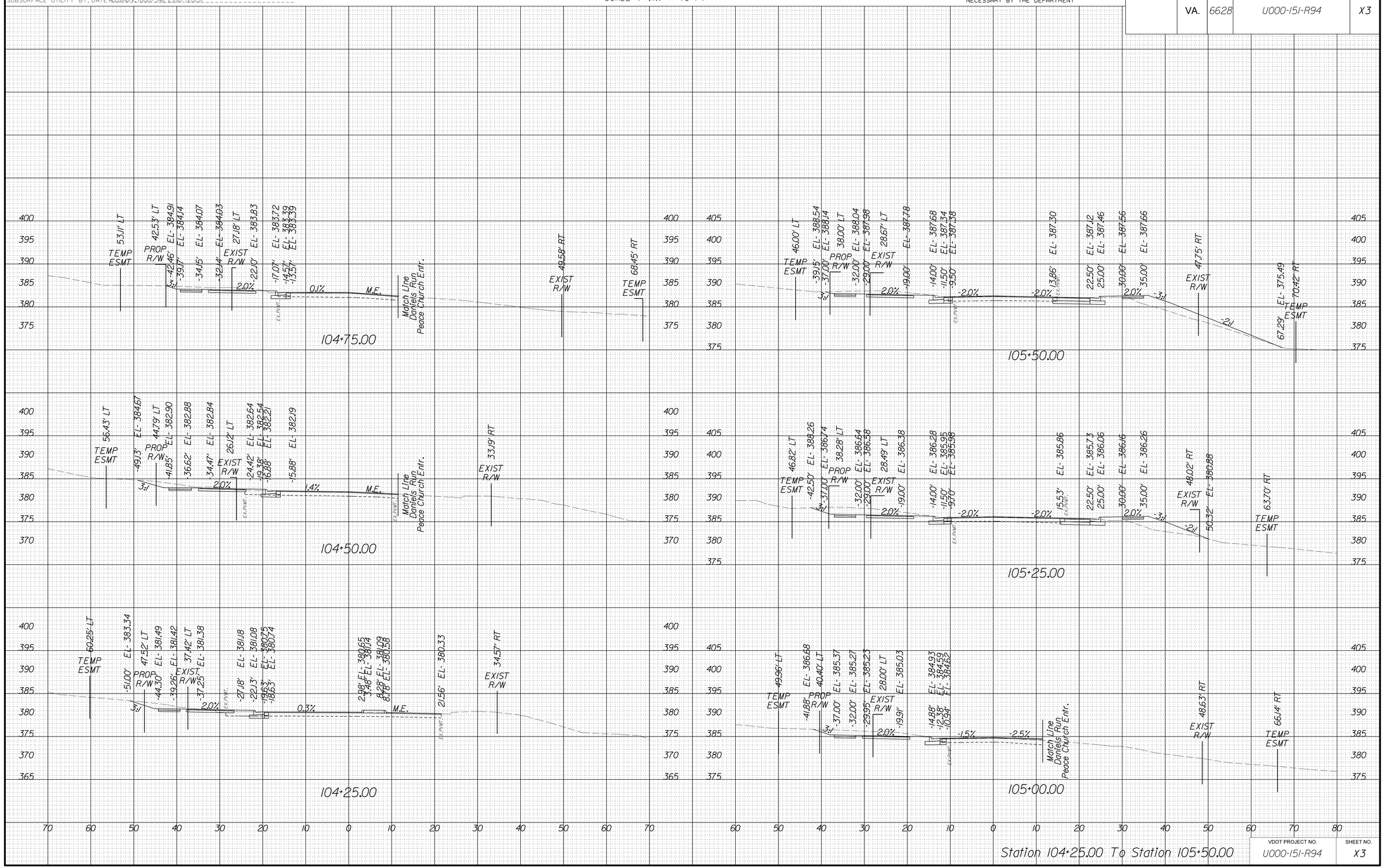
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X3



Station 104+25.00 To Station 105+50.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X3

FINAL PLANS

12/1/2025
4:27:40 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

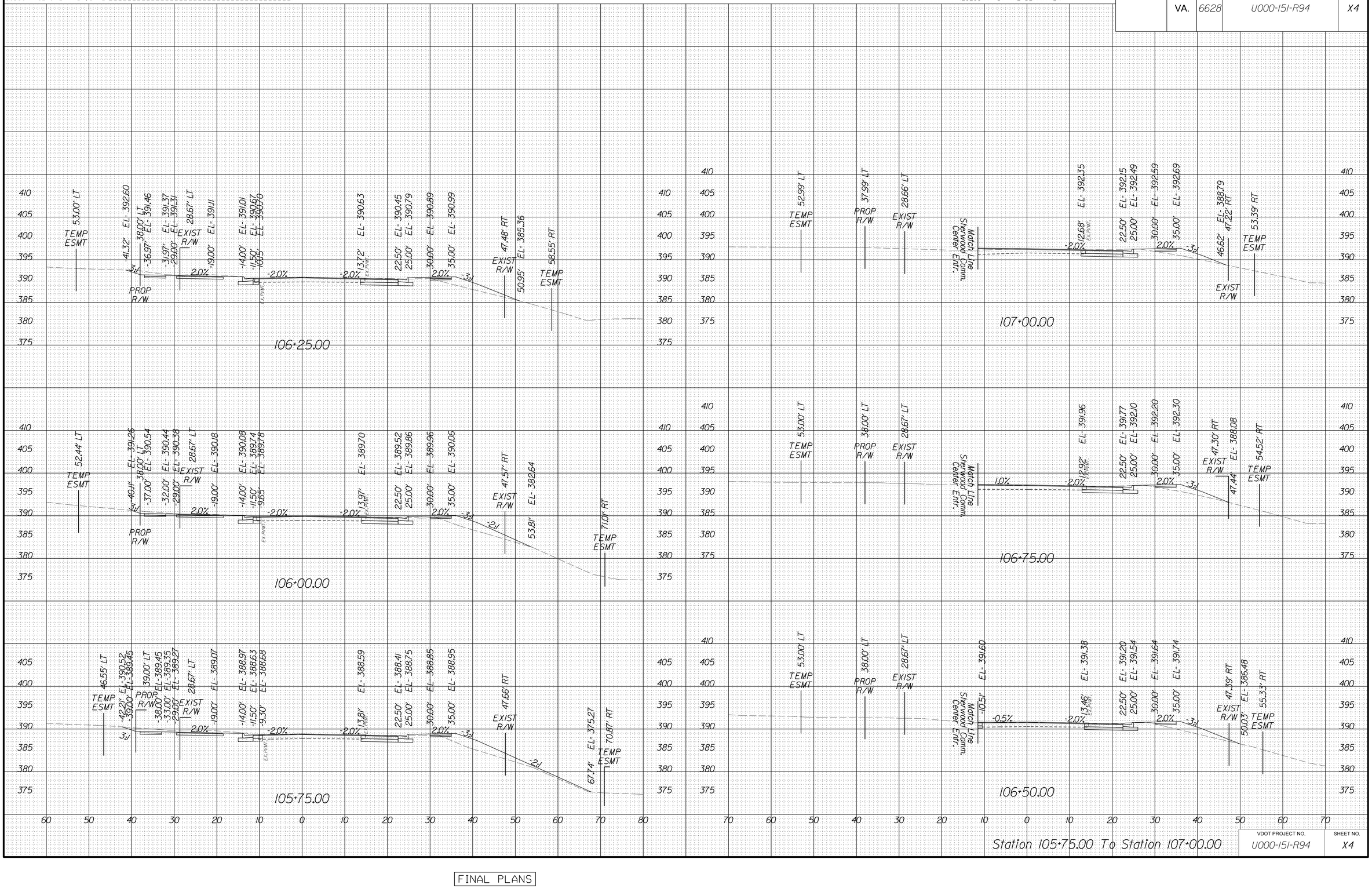
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X4



VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X4

FINAL PLANS

12/11/2025
4:27:51 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

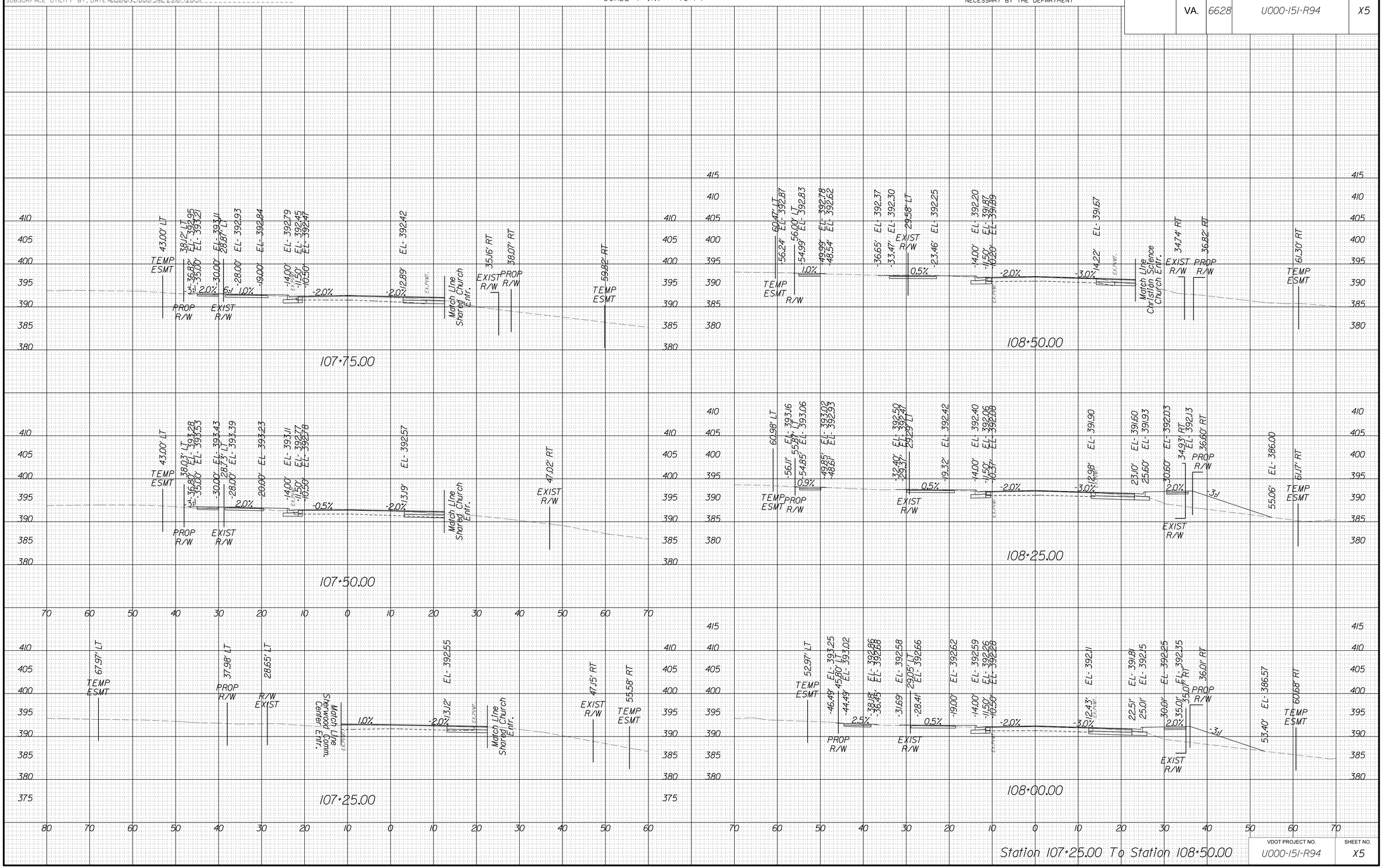
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X5



Station 107+25.00 To Station 108+50.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X5

FINAL PLANS

12/11/2025
4:28:01 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

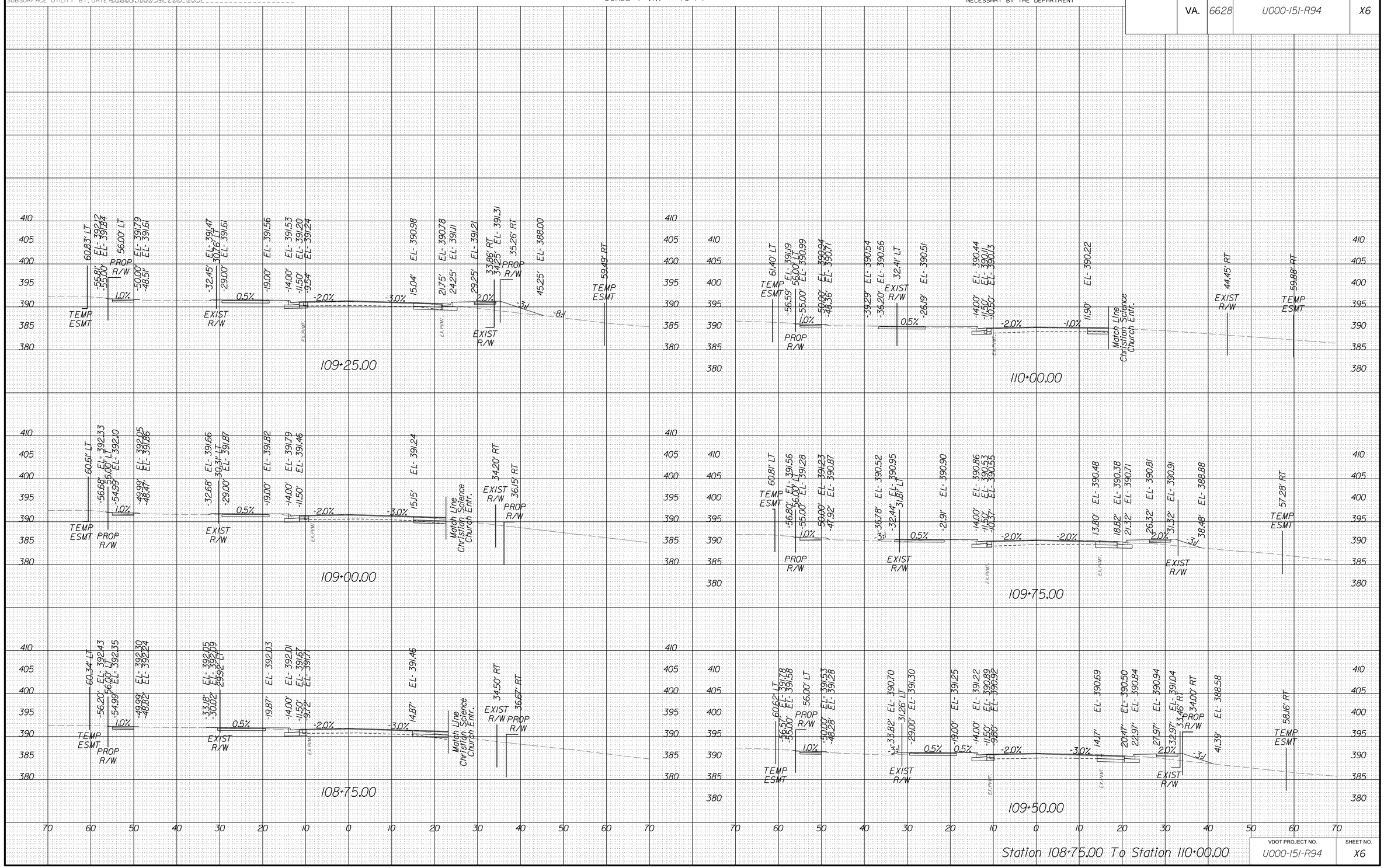
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X6



VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X6

FINAL PLANS

12/11/2025

4:28:41 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889

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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373

SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

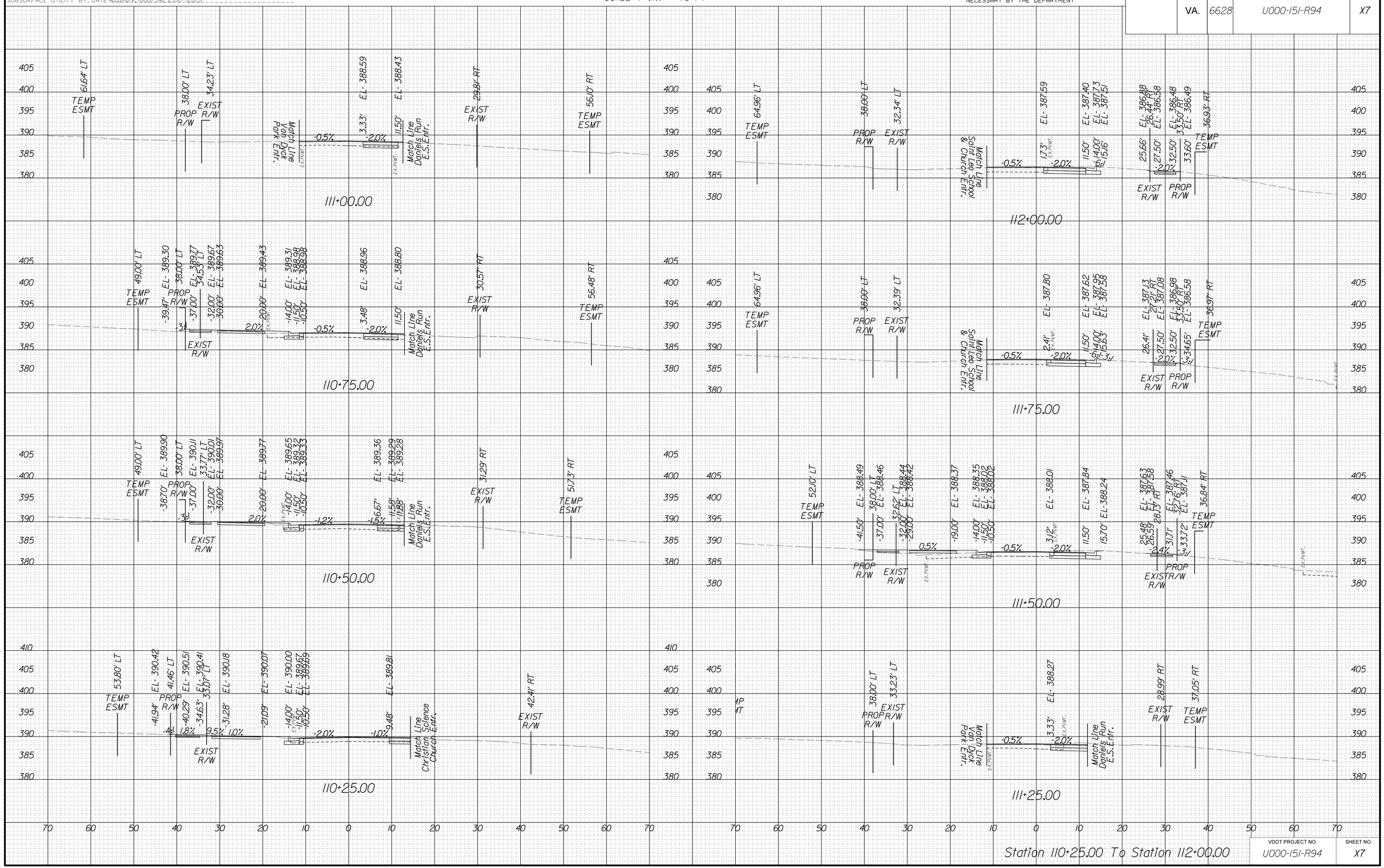
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X7



Station 110+25.00 To Station 112+00.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X7

FINAL PLANS

12/11/2025
4:28:21 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

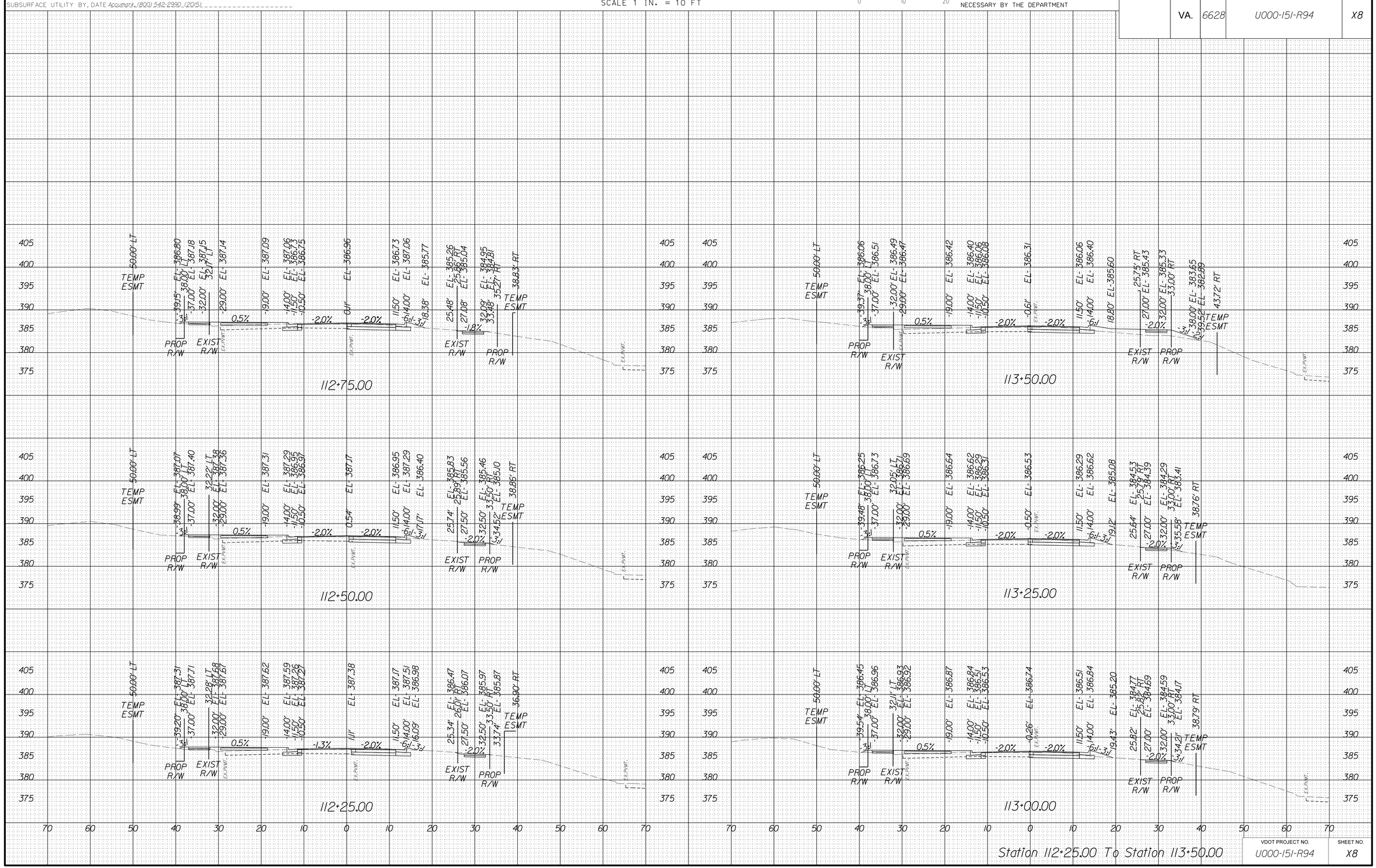
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X8



Station 112+25.00 To Station 113+50.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X8

FINAL PLANS

12/1/2025
4:28:31 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

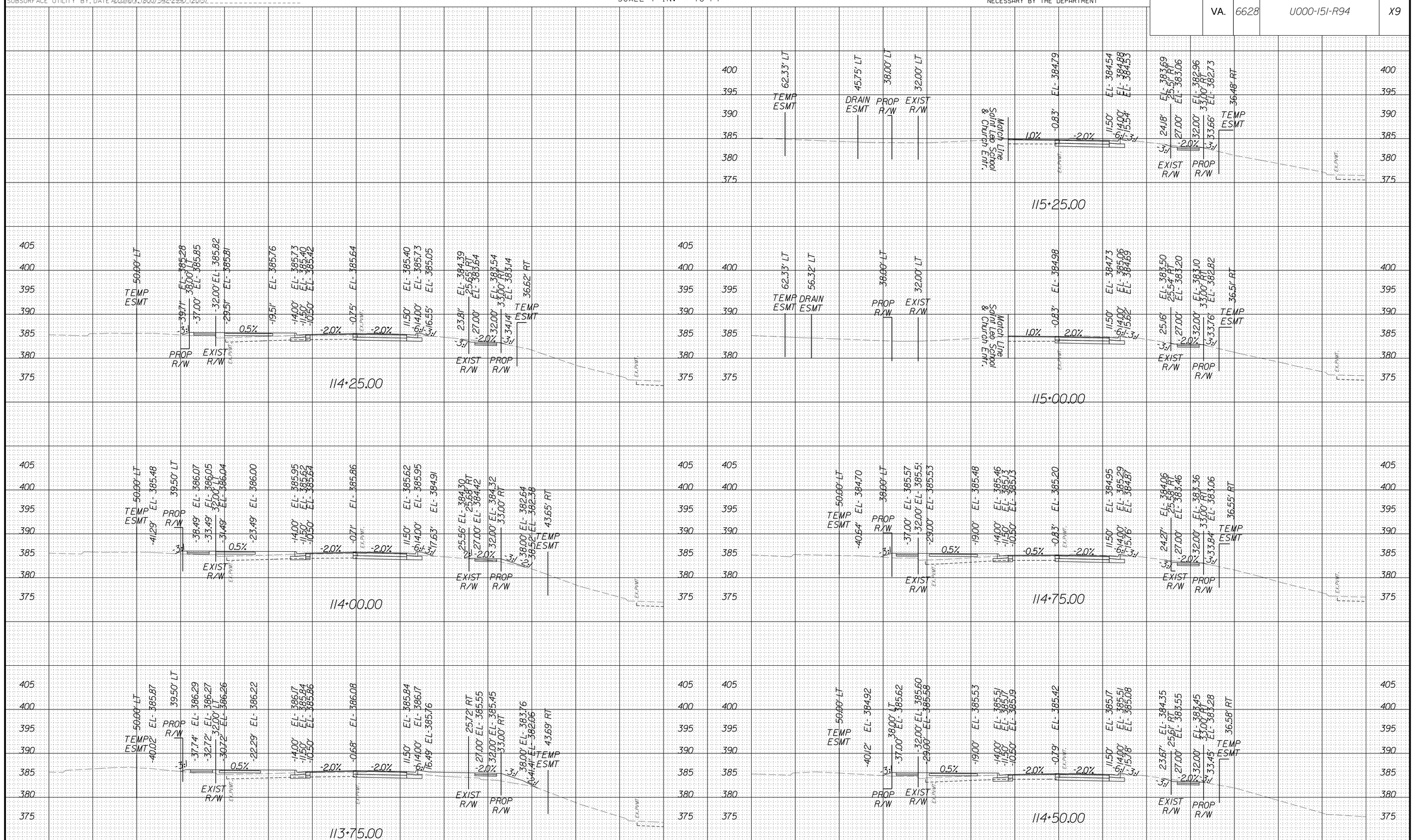
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X9



VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X9

FINAL PLANS

12/11/2025
4:28:41 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
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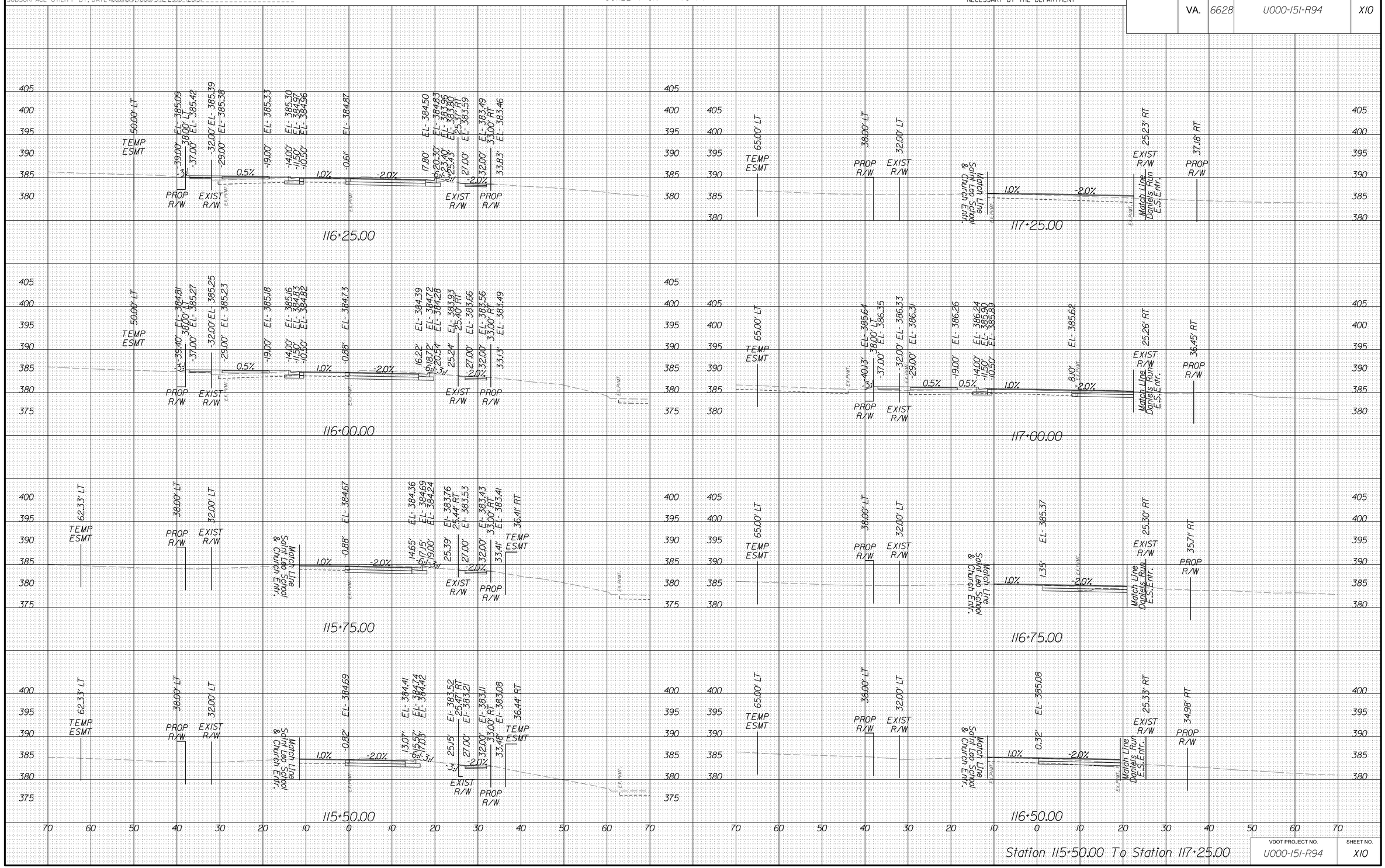
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X10



Station 115+50.00 To Station 117+25.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X10

FINAL PLANS

12/11/2025
4:28:51 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

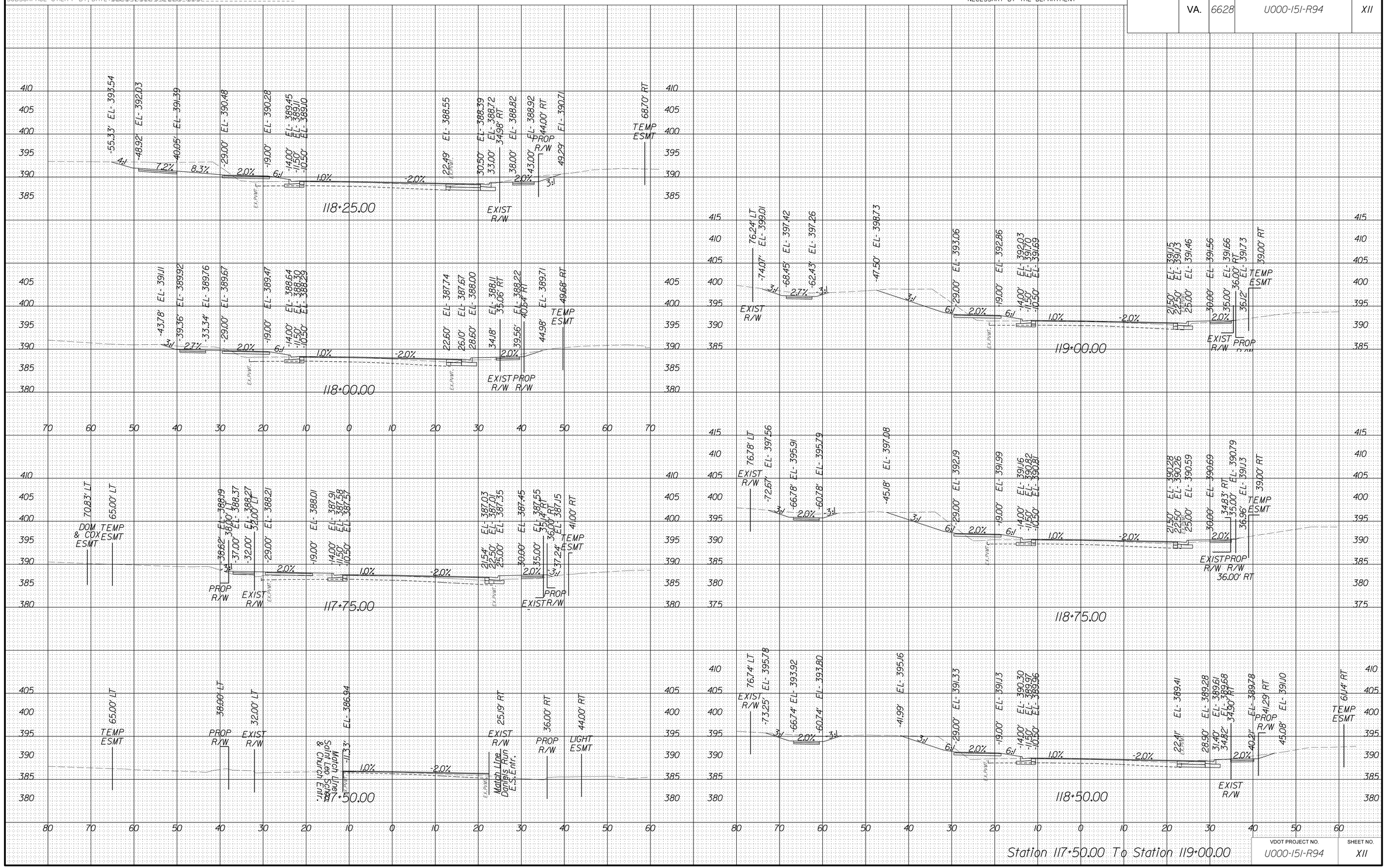
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	XII



VDOT PROJECT NO.	SHEET NO.
U000-151-R94	XII

FINAL PLANS

12/11/2025
4:29:02 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

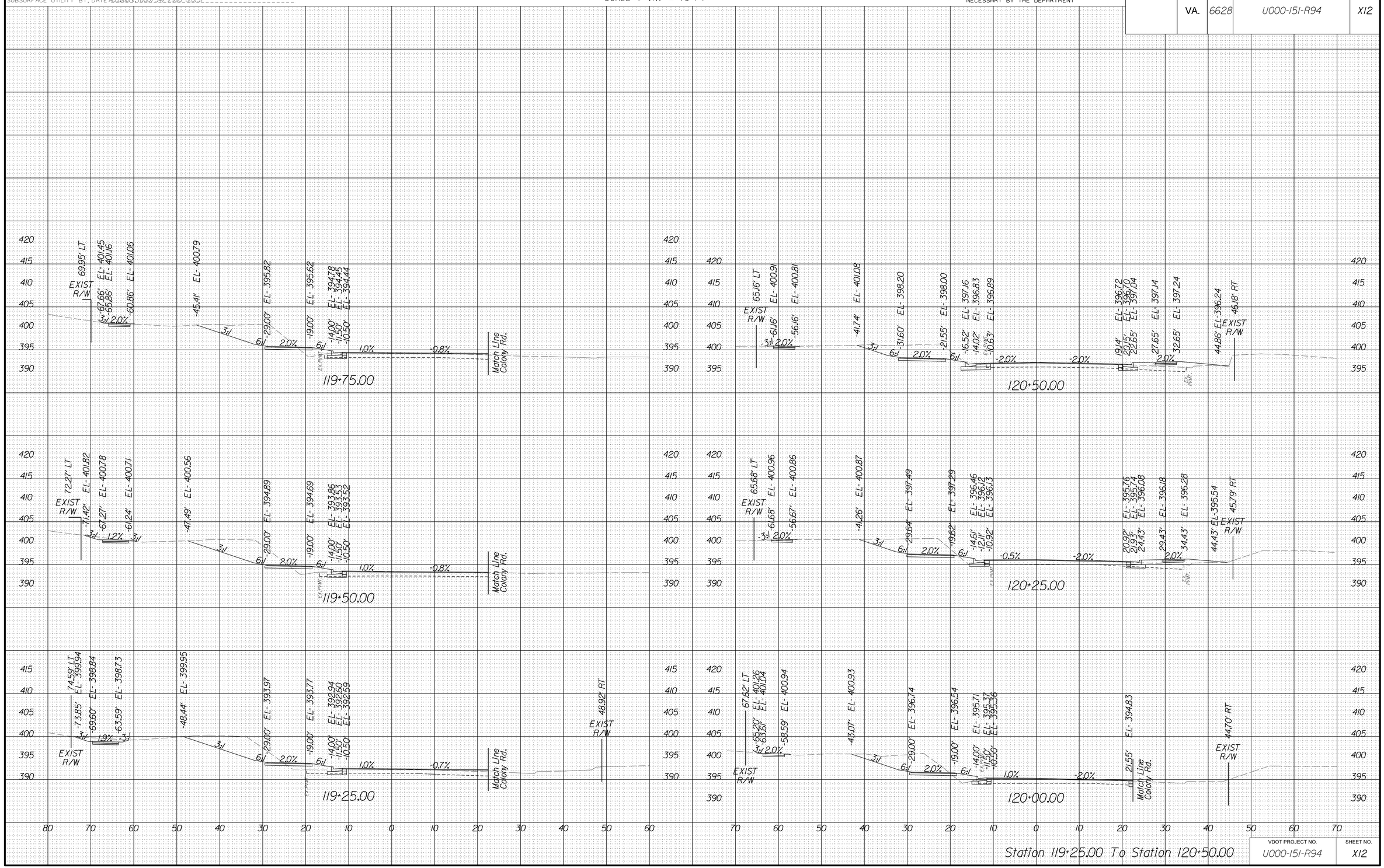
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X12



Station 119+25.00 To Station 120+50.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X12

FINAL PLANS

12/11/2025
4:29:13 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X13

121+50.00 | 122+50.00 | 121+25.00 | 122+25.00 | 121+00.00 | 122+00.00 | 120+75.00 | 121+75.00

Station 120+75.00 To Station 122+50.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X13

FINAL PLANS

12/1/2025
4:29:24 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

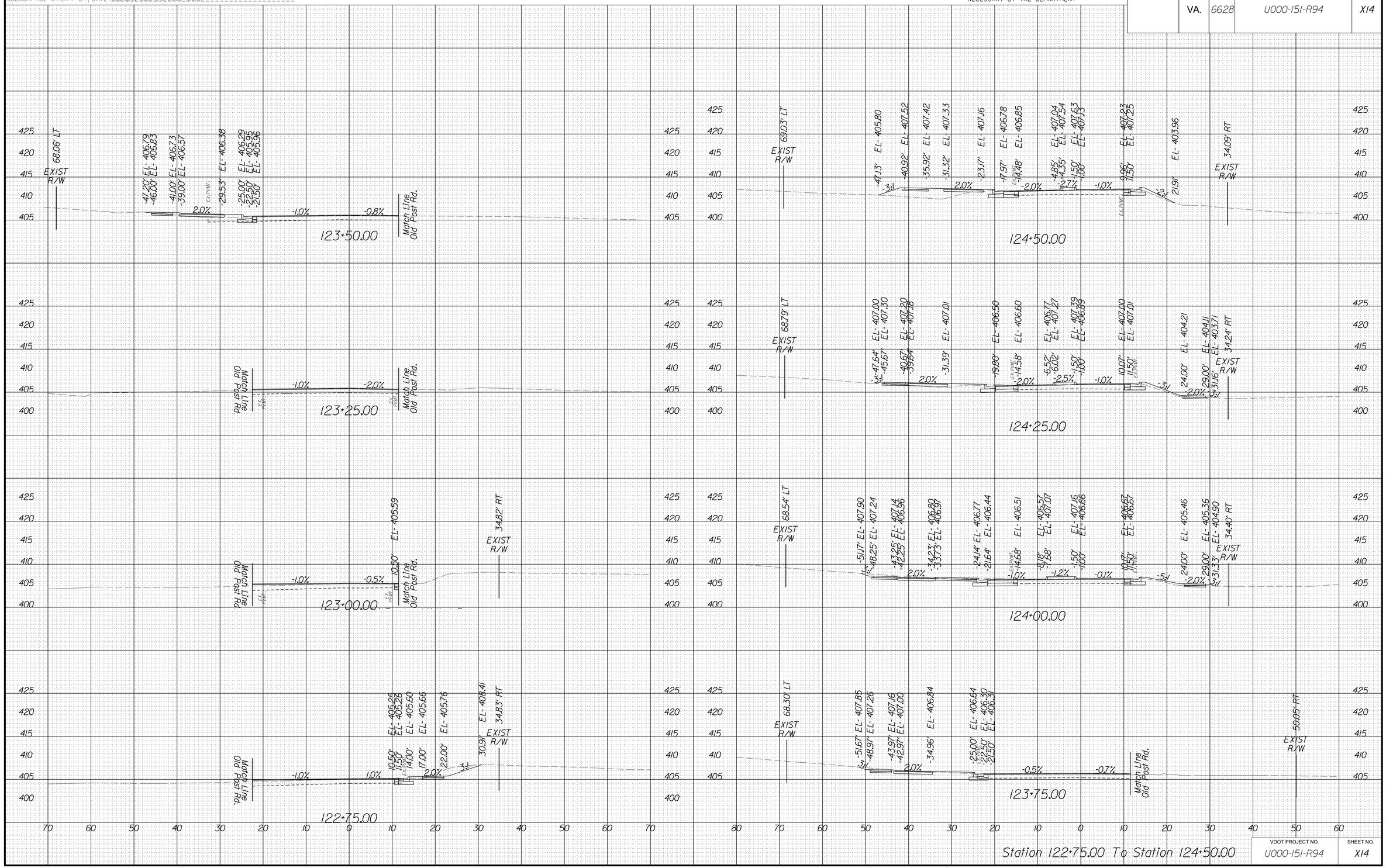
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X14



Station 122+75.00 To Station 124+50.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X14

FINAL PLANS

12/1/2025
4:29:34 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

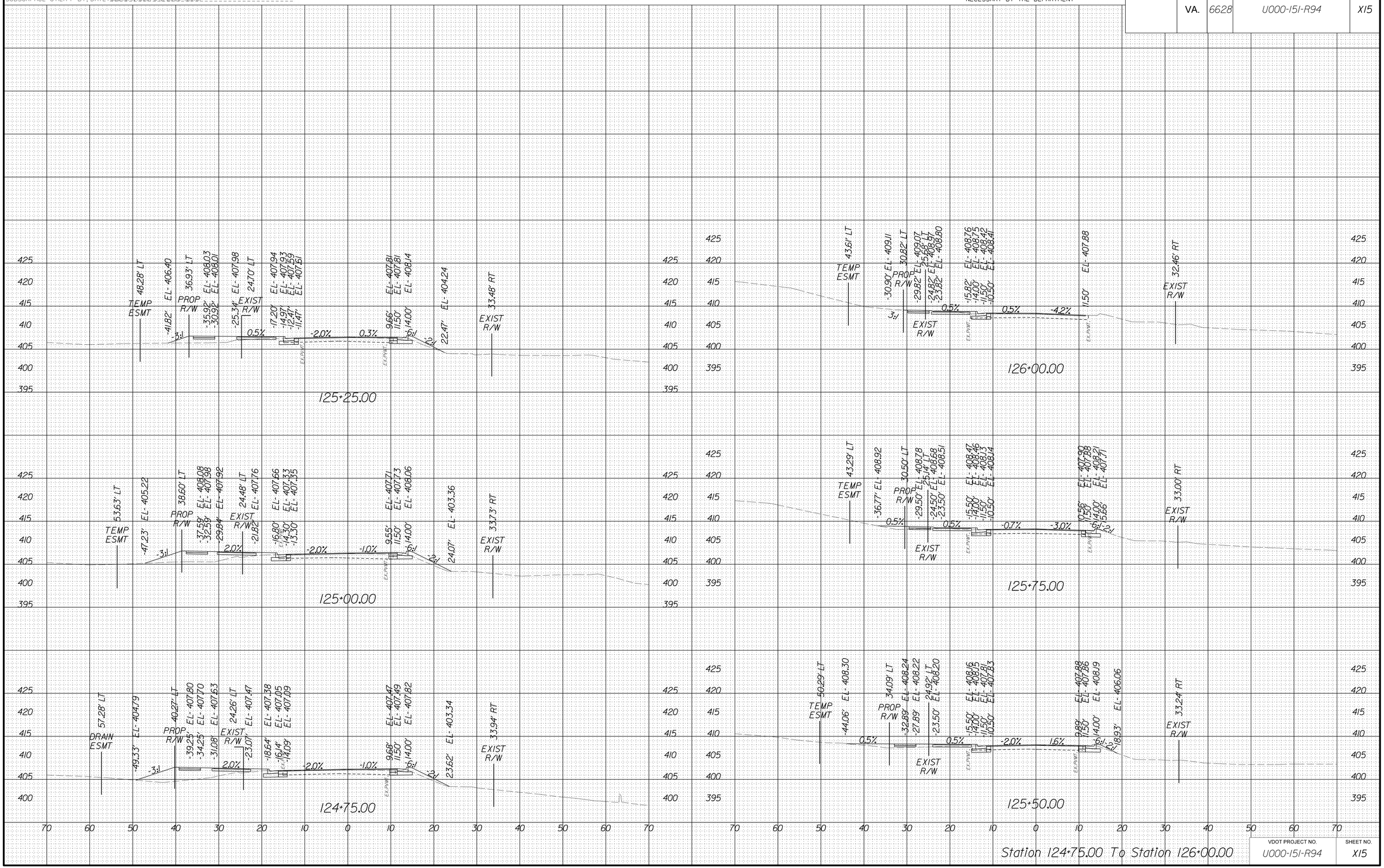
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X15



Station 124+75.00 To Station 126+00.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X15

FINAL PLANS

12/1/2025
4:29:45 PM

PROJECT MANAGER: Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE: Nick Kougalis L.S., (703) 368-7373, (2020)
DESIGN BY: Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Accumark, (800) 542-2990, (2015)

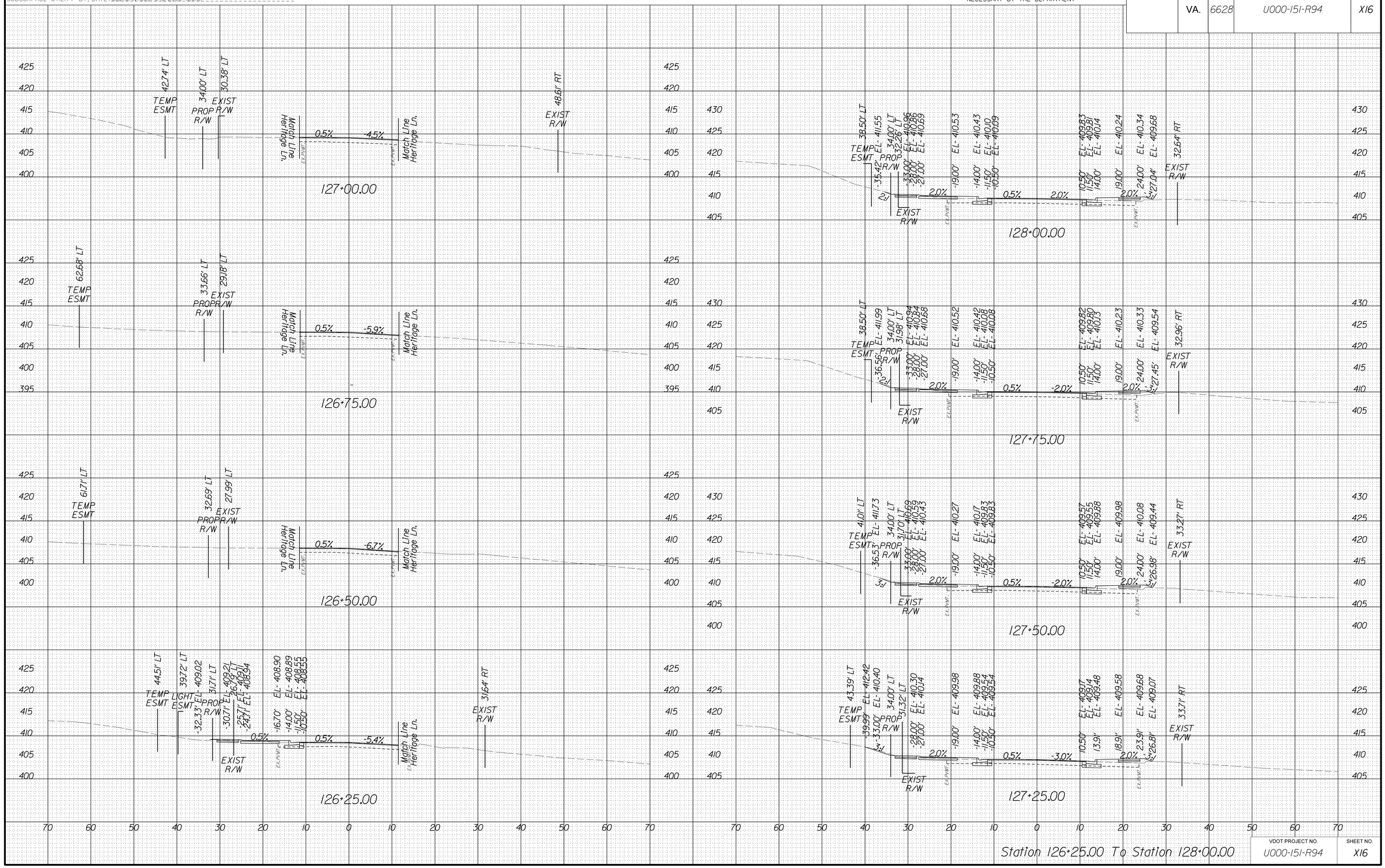
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X16



Station 126+25.00 To Station 128+00.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X16

FINAL PLANS

12/1/2025
4:29:55 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

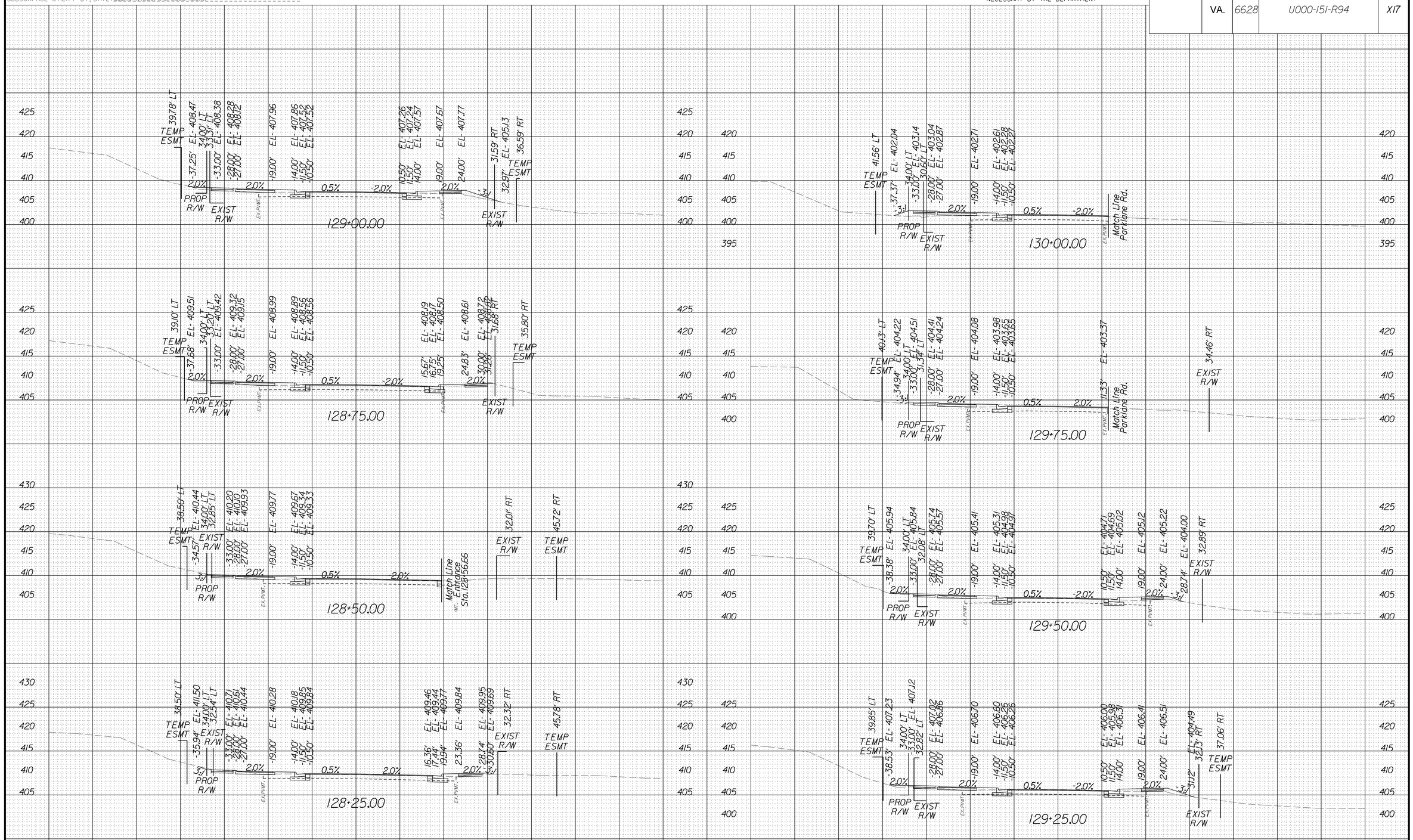
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X17



VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X17

FINAL PLANS

12/1/2025
4:30:06 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

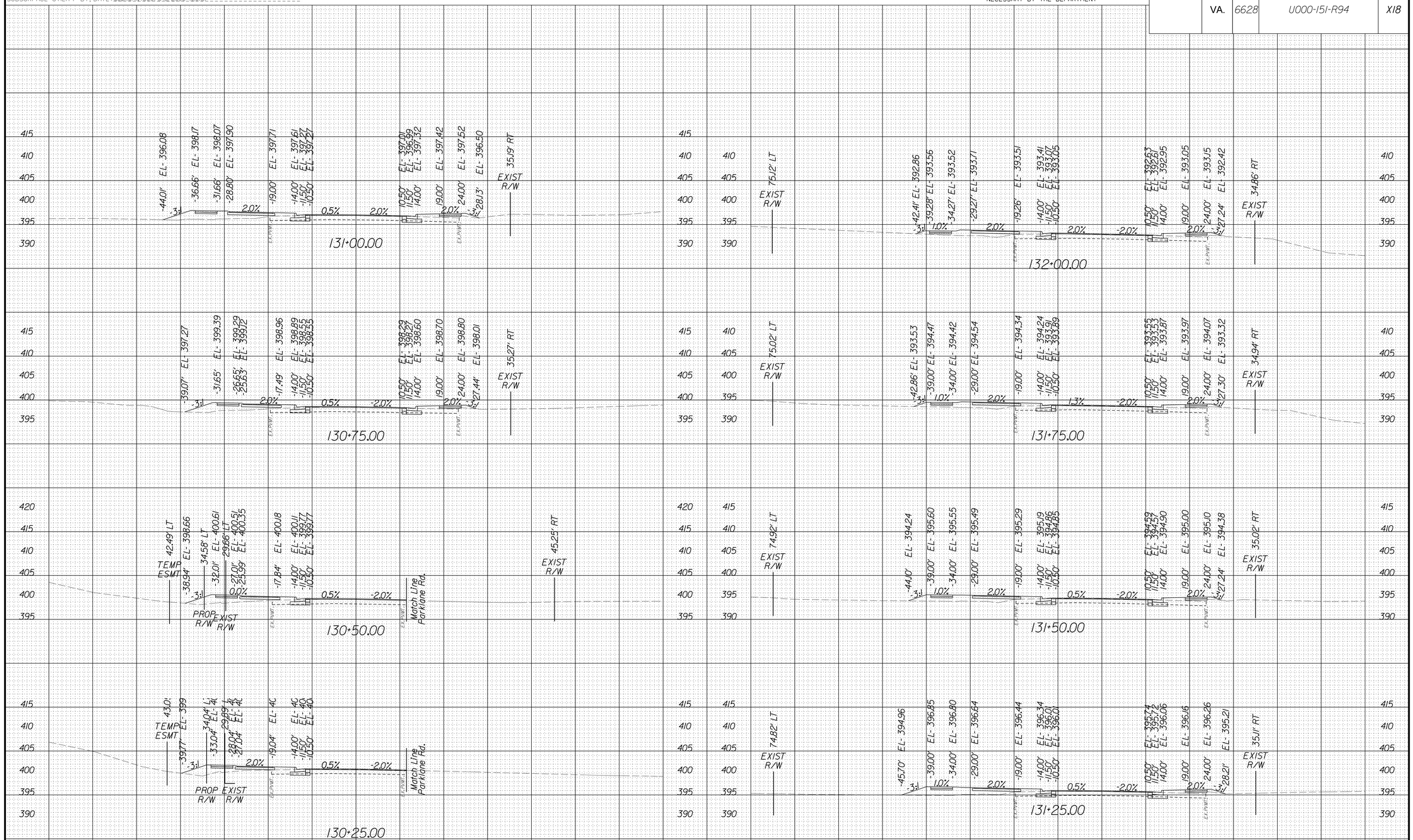
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X18



Station 130+25.00 To Station 132+00.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X18

FINAL PLANS

12/1/2025
4:30:17 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

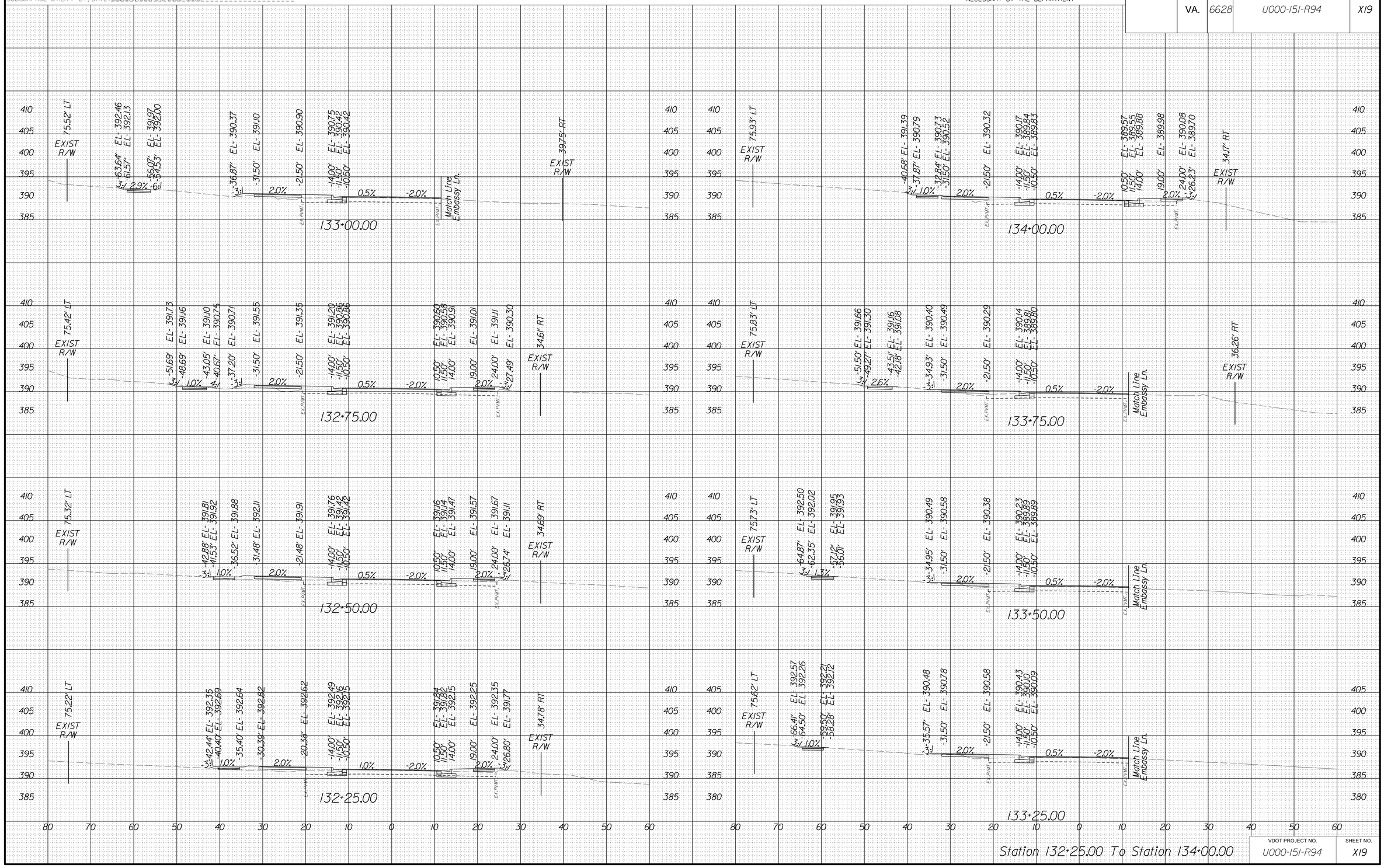
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X19



Station 132+25.00 To Station 134+00.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X19

12/1/2025
4:30:27 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

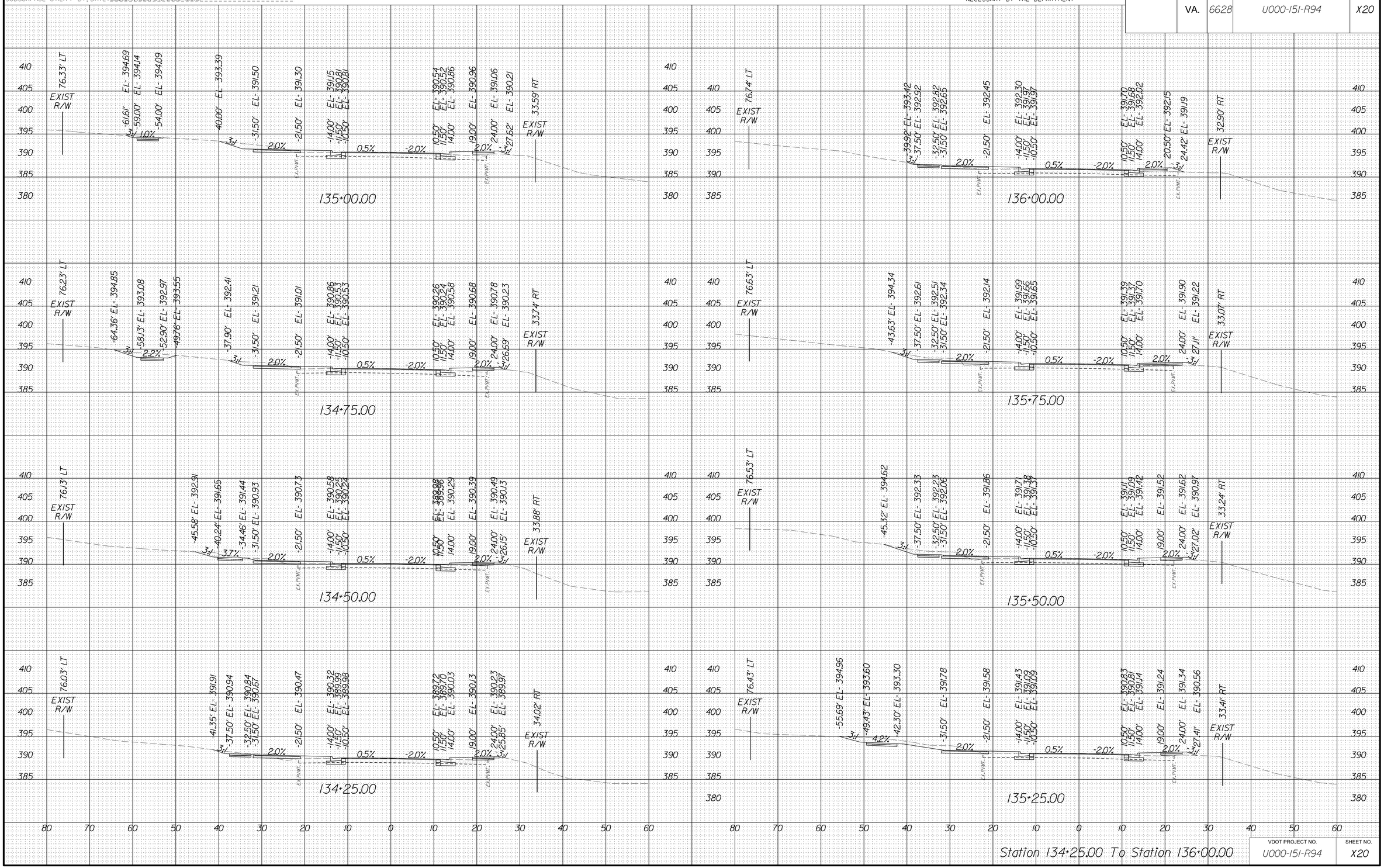
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X20



Station 134+25.00 To Station 136+00.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X20

FINAL PLANS

12/11/2025
4:30:39 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

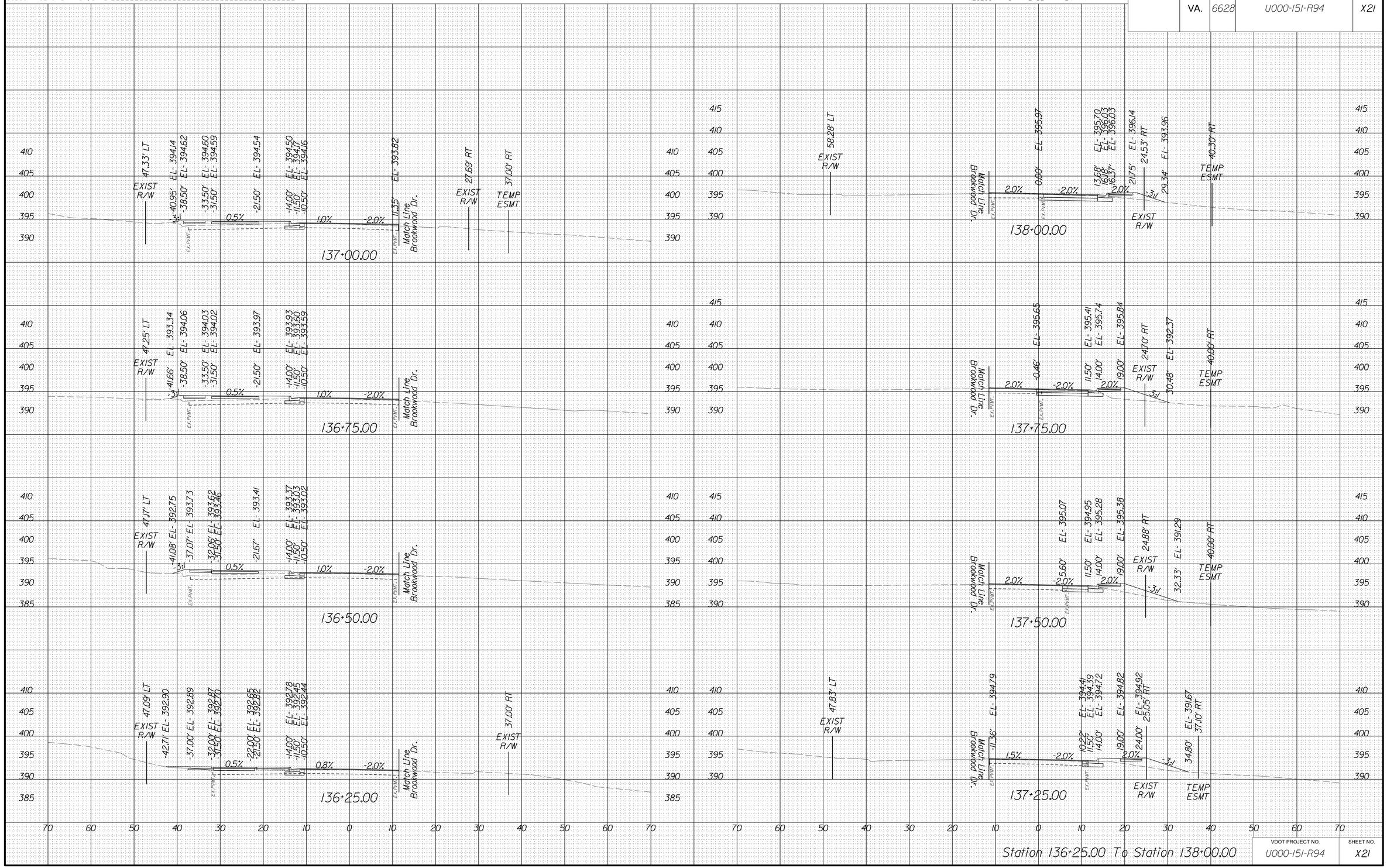
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X21



Station 136+25.00 To Station 138+00.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X21

FINAL PLANS

12/11/2025
4:30:50 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

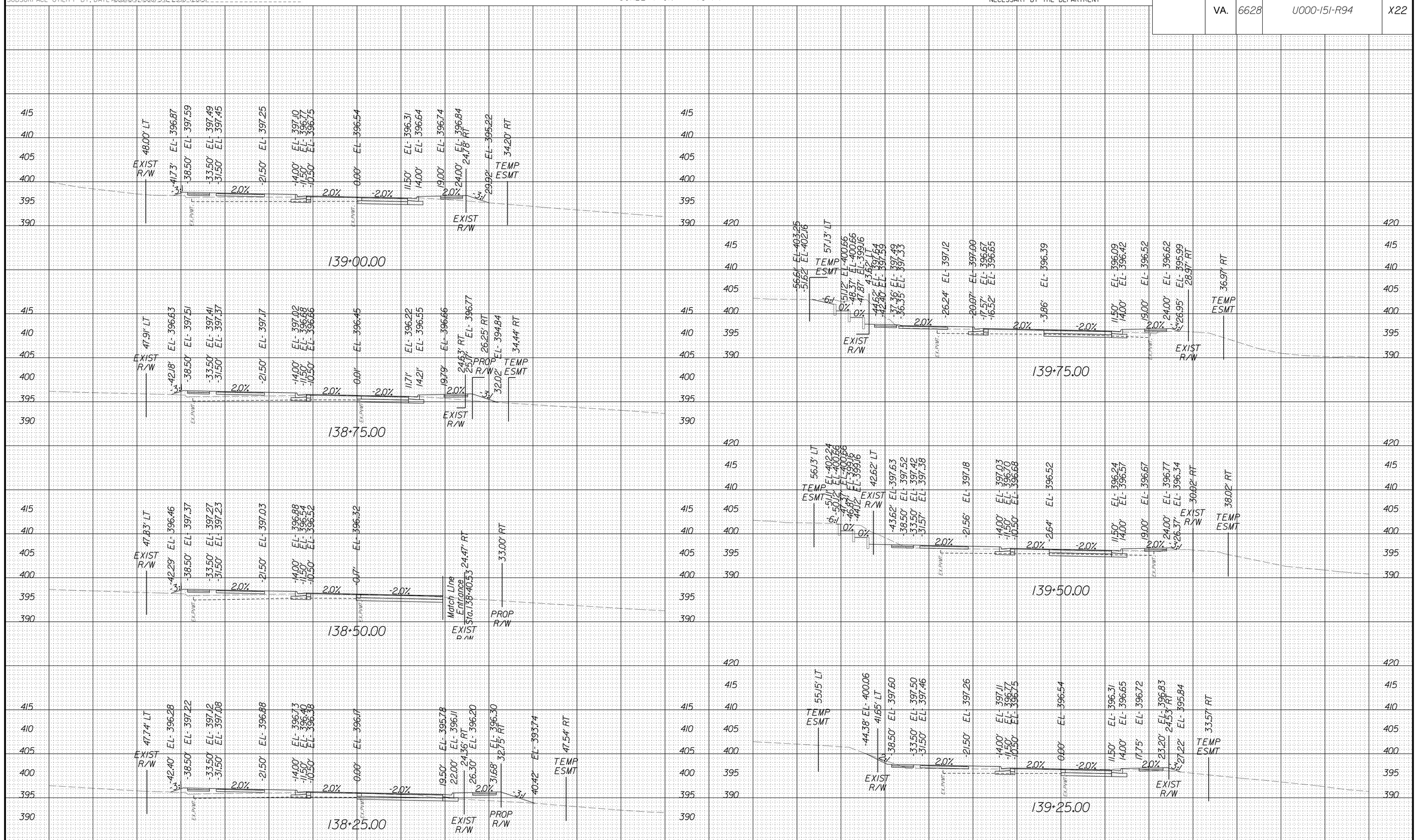
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X22



Station 138+25.00 To Station 139+75.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X22

FINAL PLANS

12/1/2025
4:31:03 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

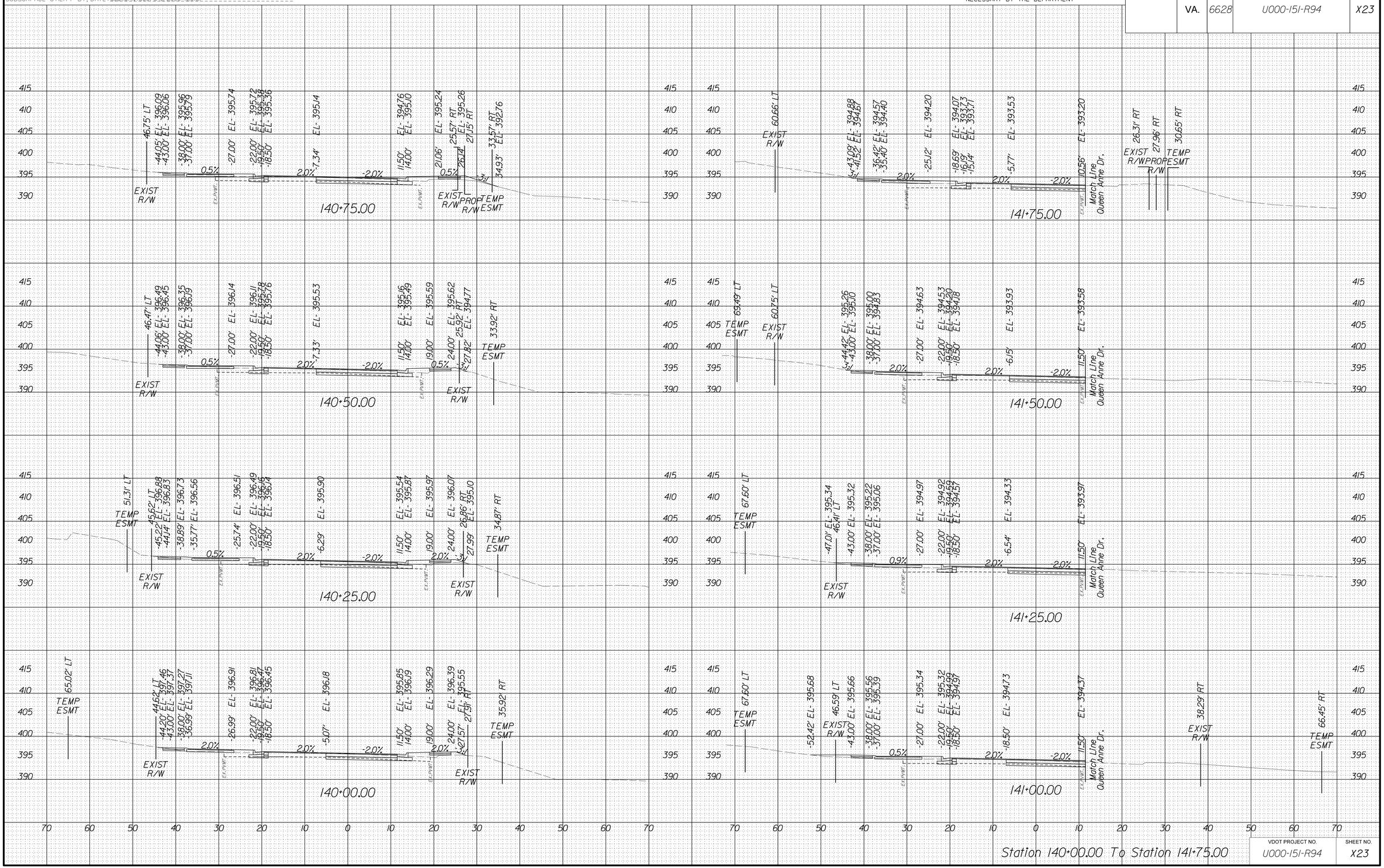
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X23



Station 140+00.00 To Station 141+75.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X23

FINAL PLANS

12/1/2025
4:31:46 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

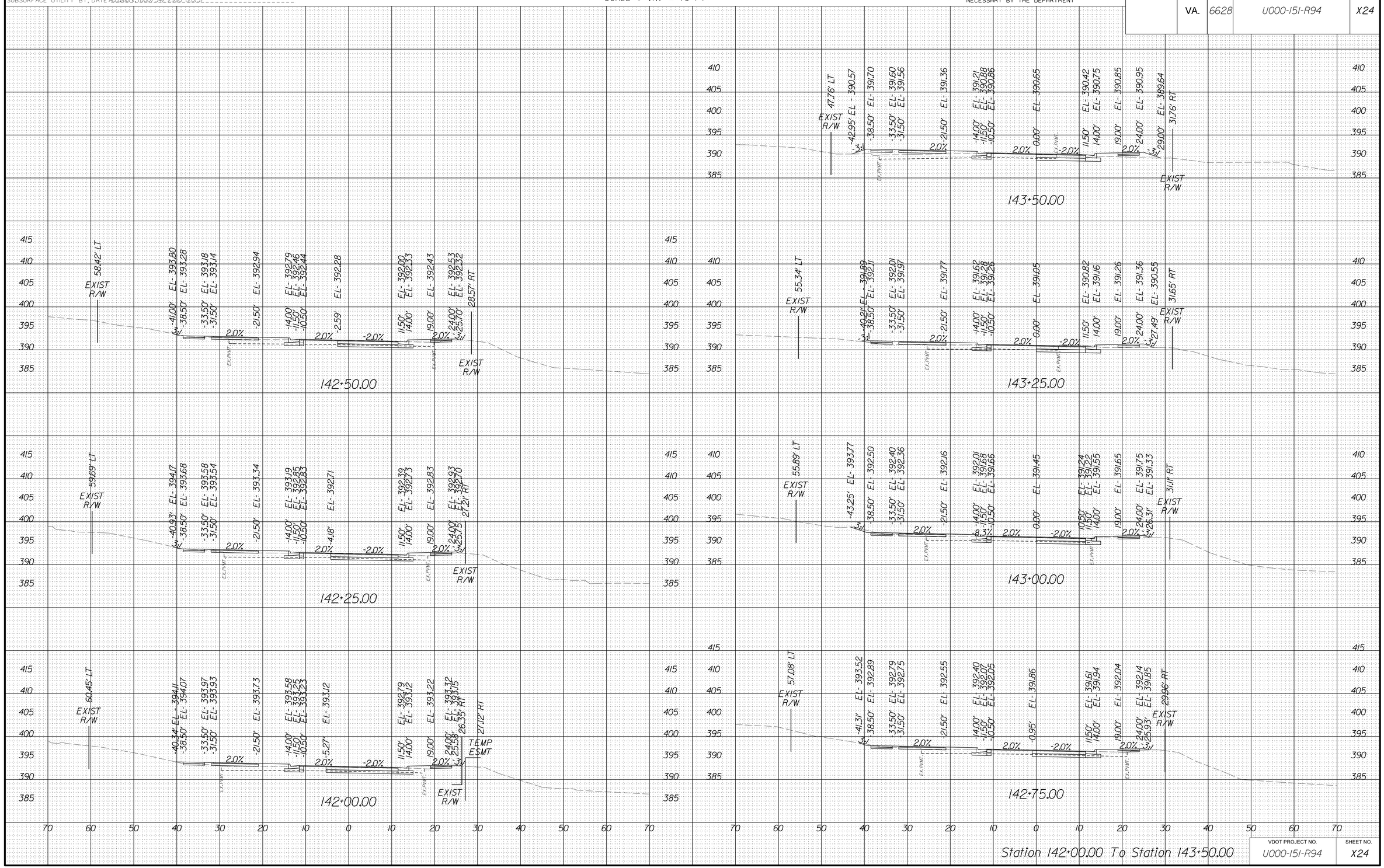
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X24



Station 142+00.00 To Station 143+50.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X24

FINAL PLANS

12/1/2025
4:31:29 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

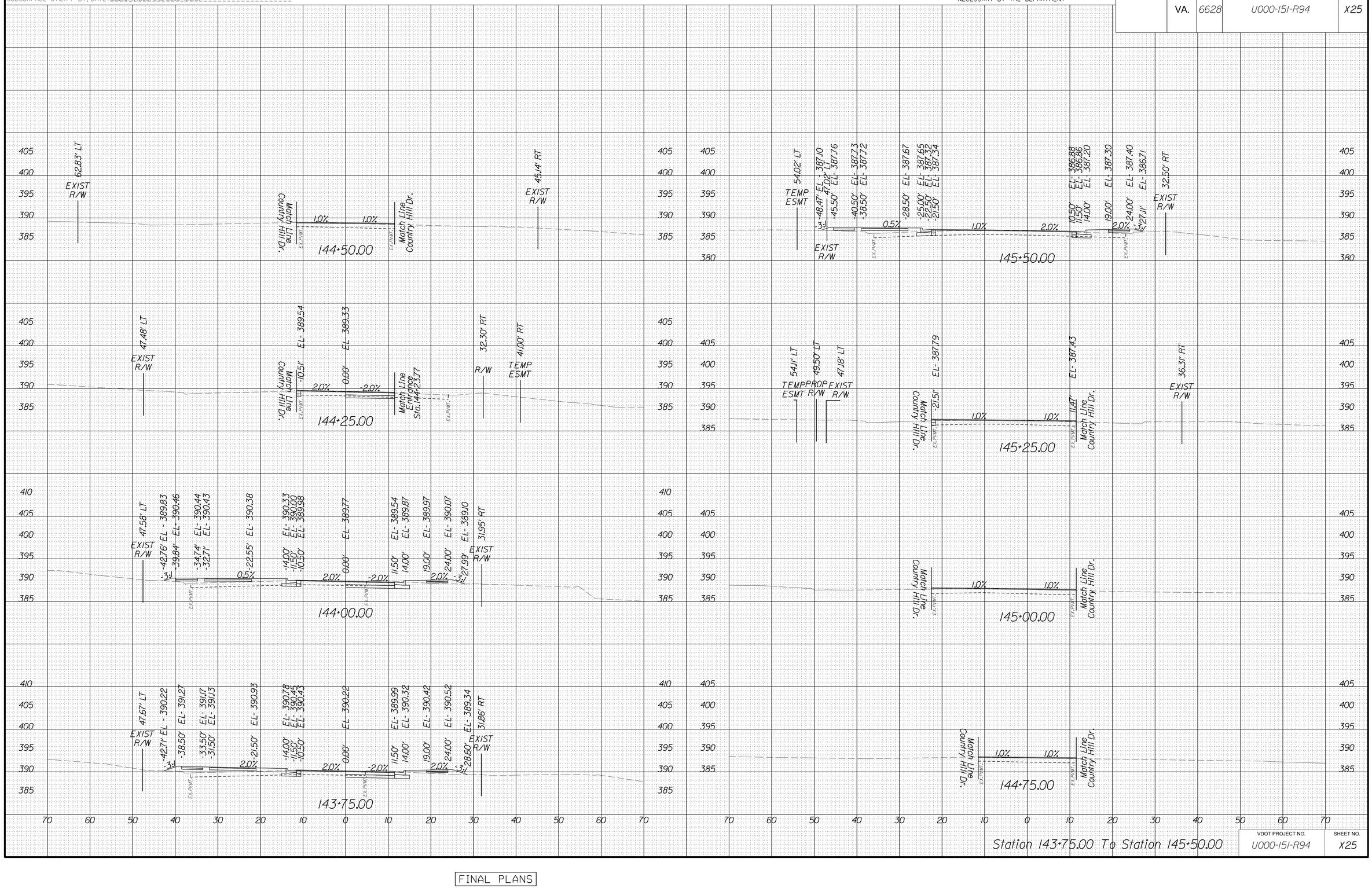
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X25



VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X25

FINAL PLANS

12/1/2025
4:31:41 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kavgalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

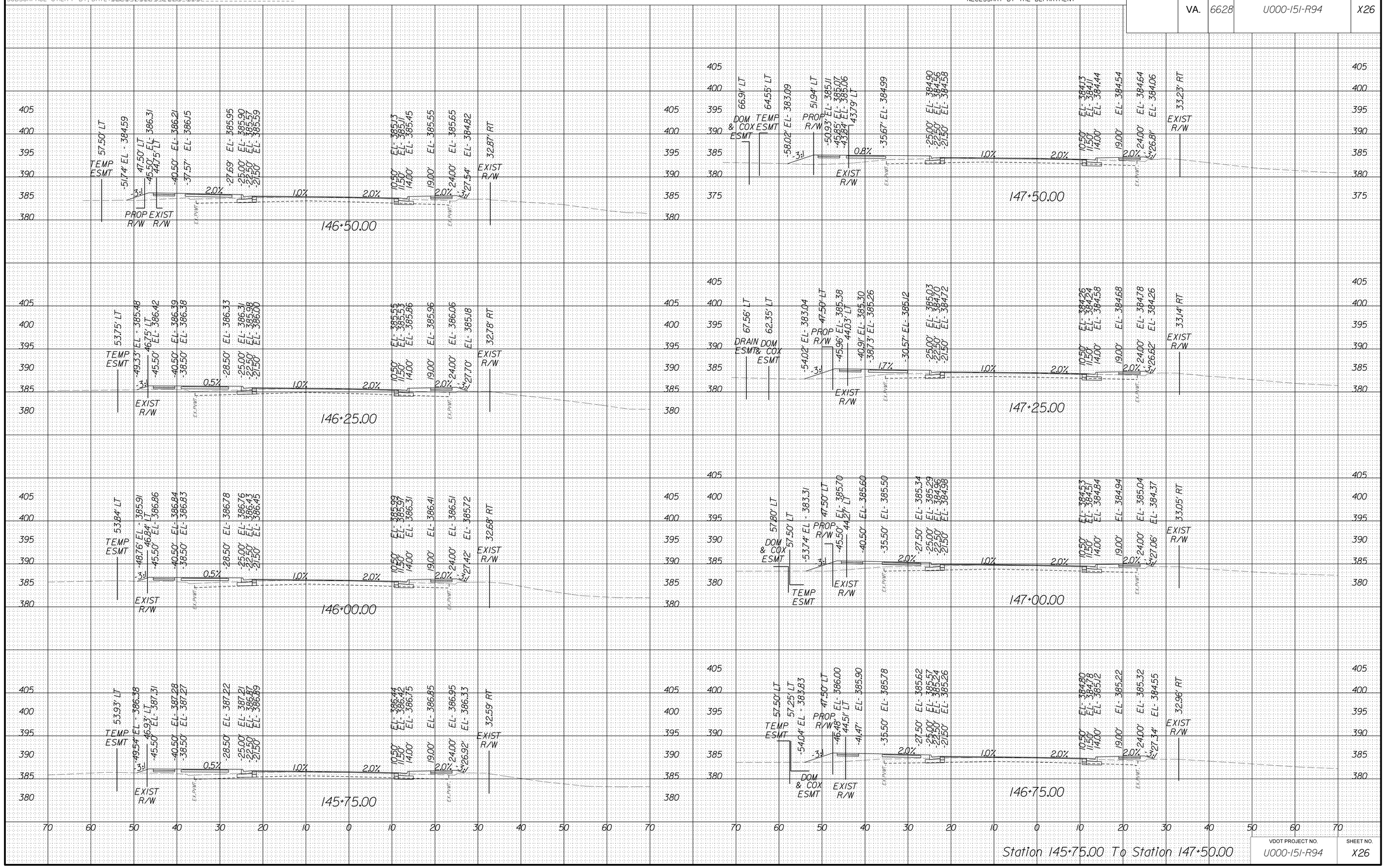
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X26



VDOT PROJECT NO. U000-151-R94 | SHEET NO. X26

FINAL PLANS

12/1/2025
4:31:53 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

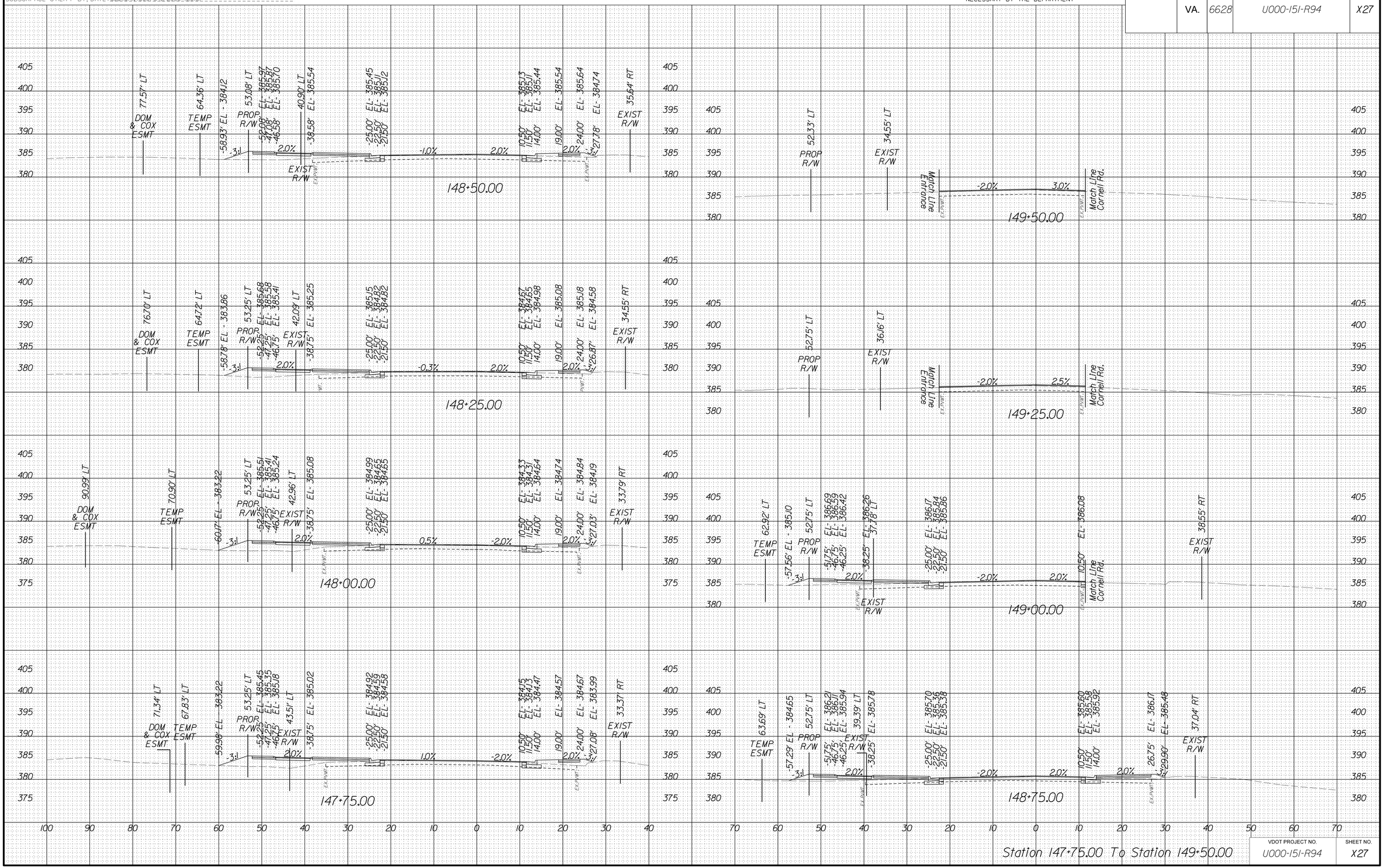
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X27



Station 147+75.00 To Station 149+50.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X27

FINAL PLANS

12/1/2025
4:32:04 PM

PROJECT MANAGER: Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE: Nick Kougalis, L.S., (703) 368-7373, (2020)
DESIGN BY: Mark A. Gupa, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Accumark, (800) 542-2990, (2015)

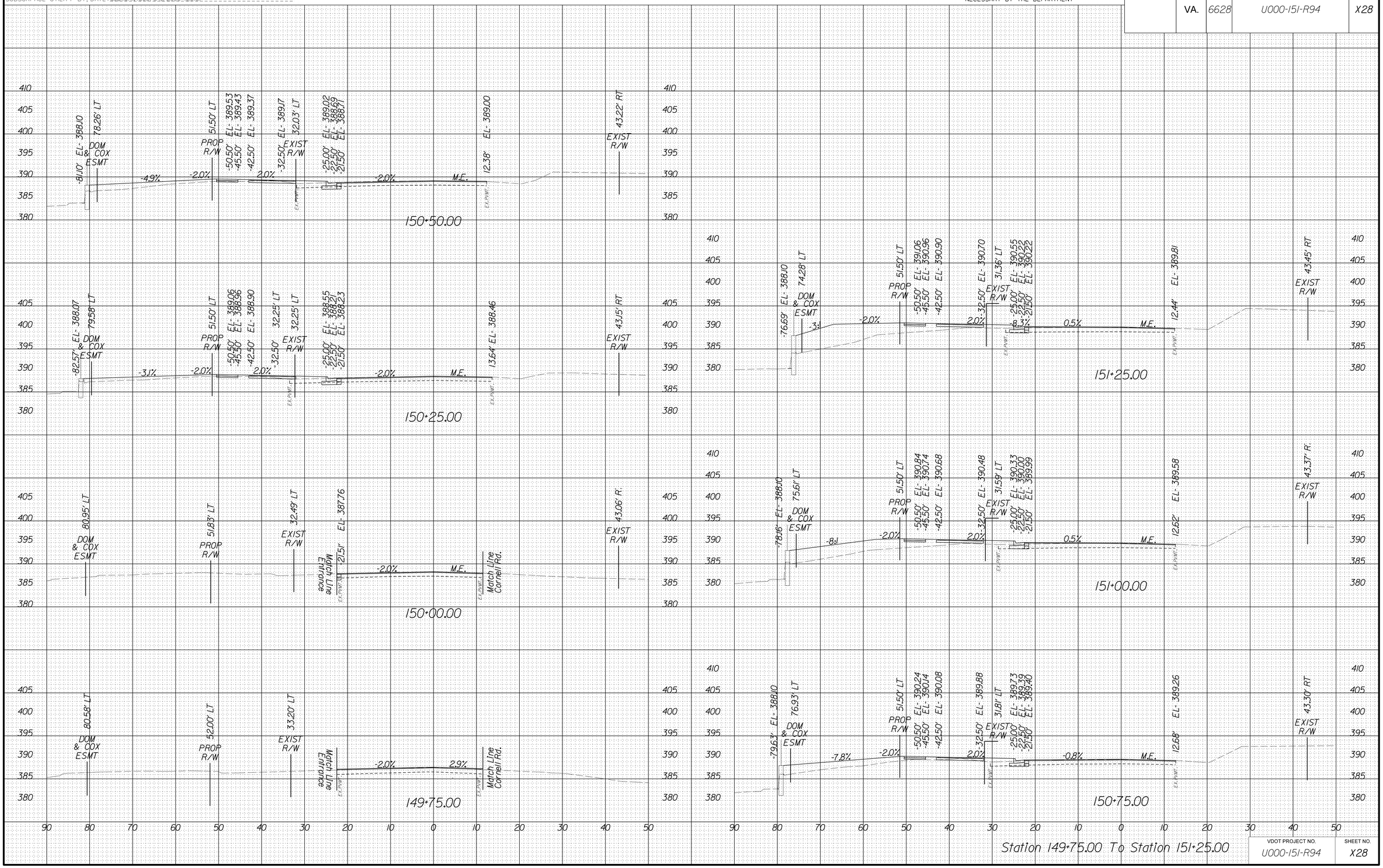
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X28



Station 149+75.00 To Station 151+25.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X28

FINAL PLANS

12/11/2025
4:32:16 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

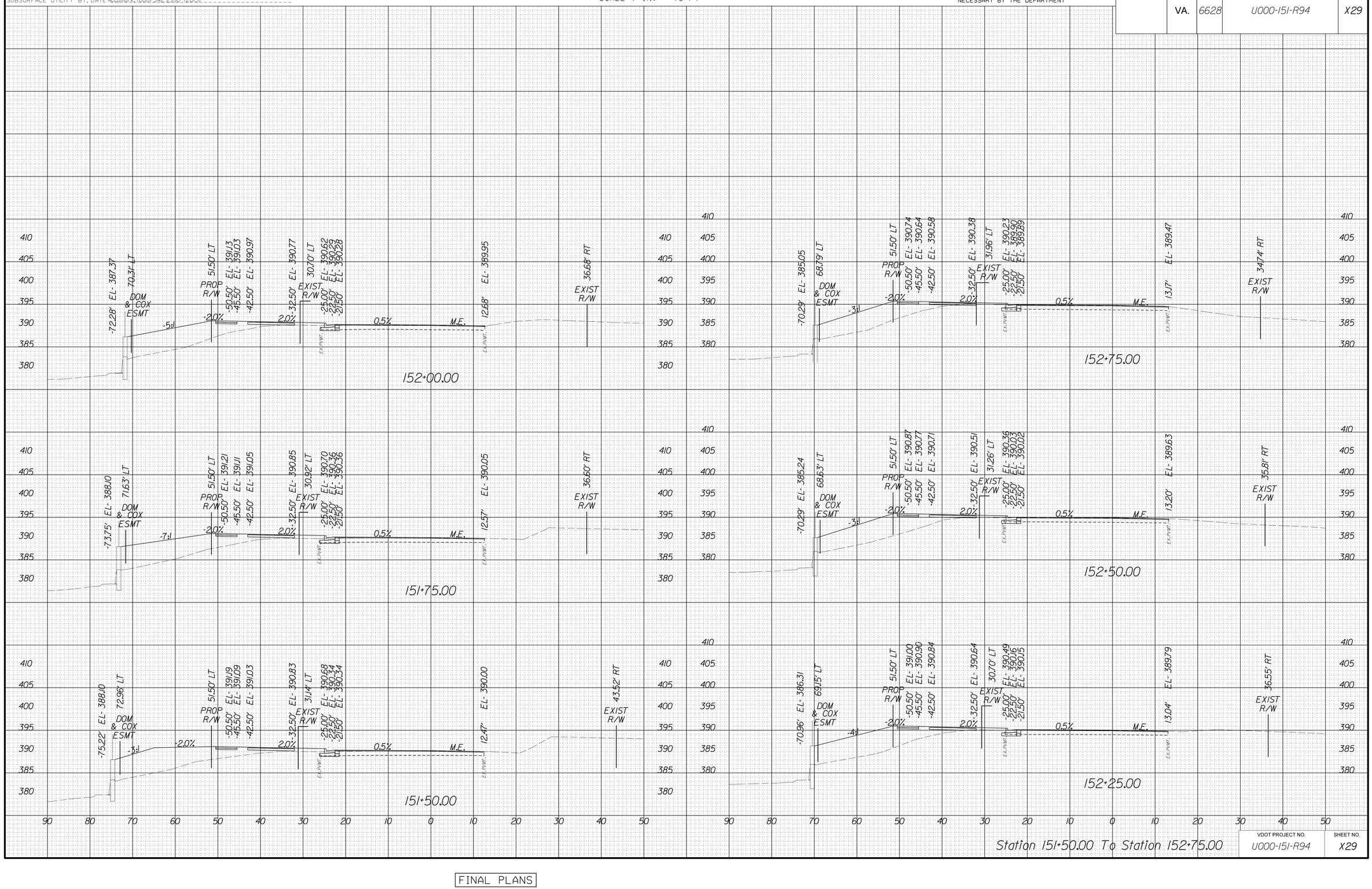
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X29



Station 151+50.00 To Station 152+75.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X29

FINAL PLANS

12/11/2025
4:32:27 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

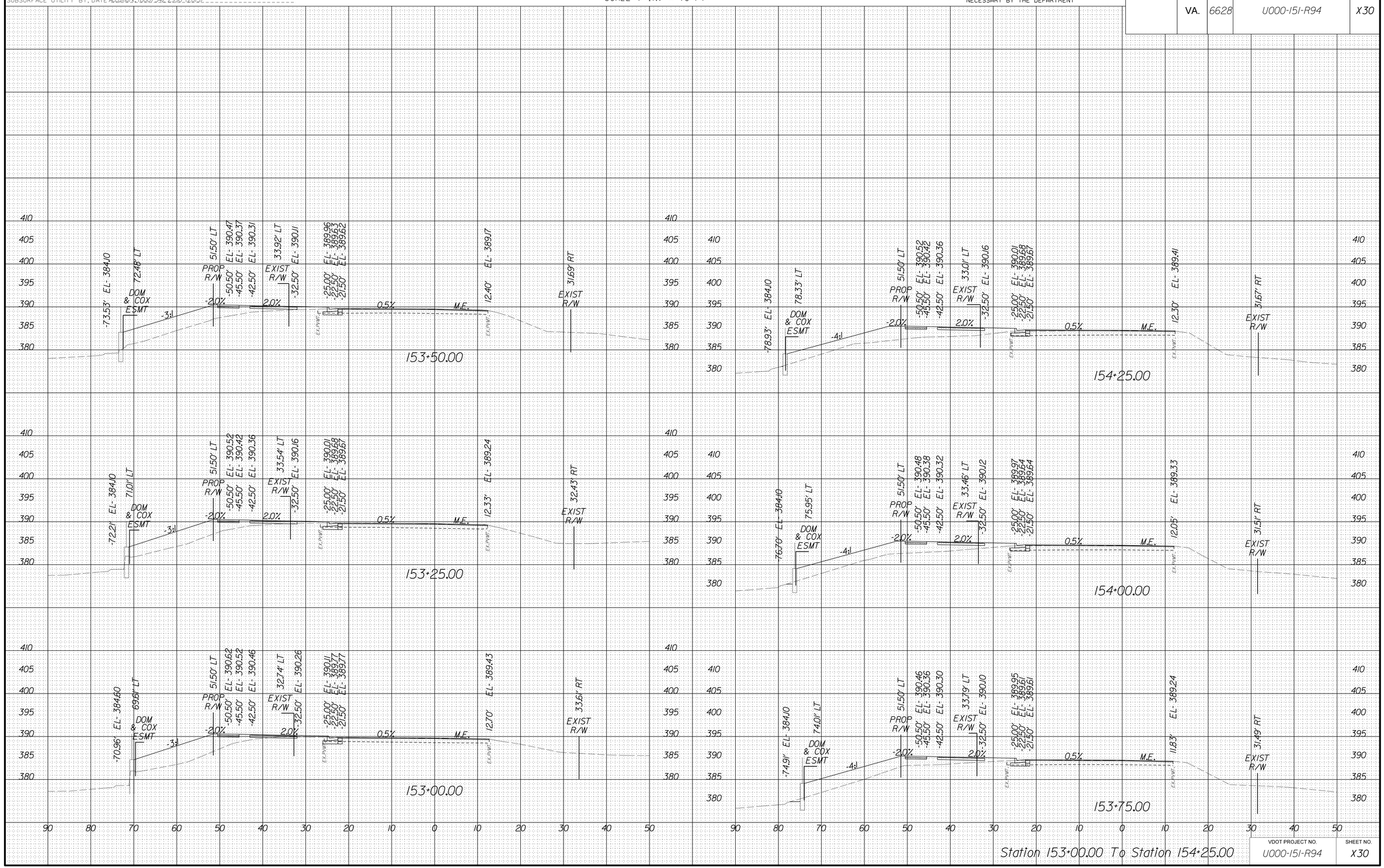
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X30



Station 153+00.00 To Station 154+25.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X30

FINAL PLANS

12/11/2025
4:32:39 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

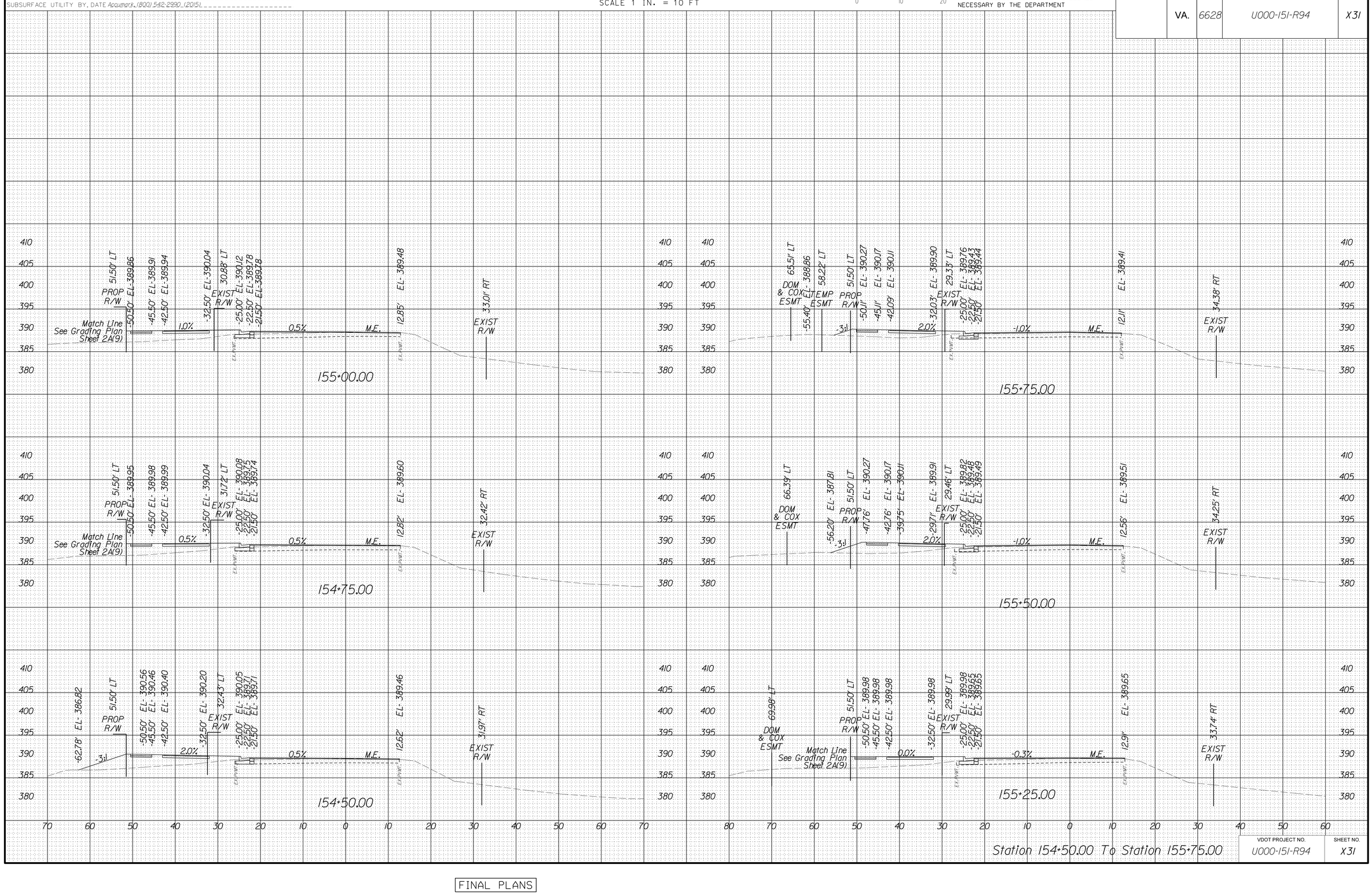
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X31



Station 154+50.00 To Station 155+75.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X31

FINAL PLANS

12/1/2025
4:32:50 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

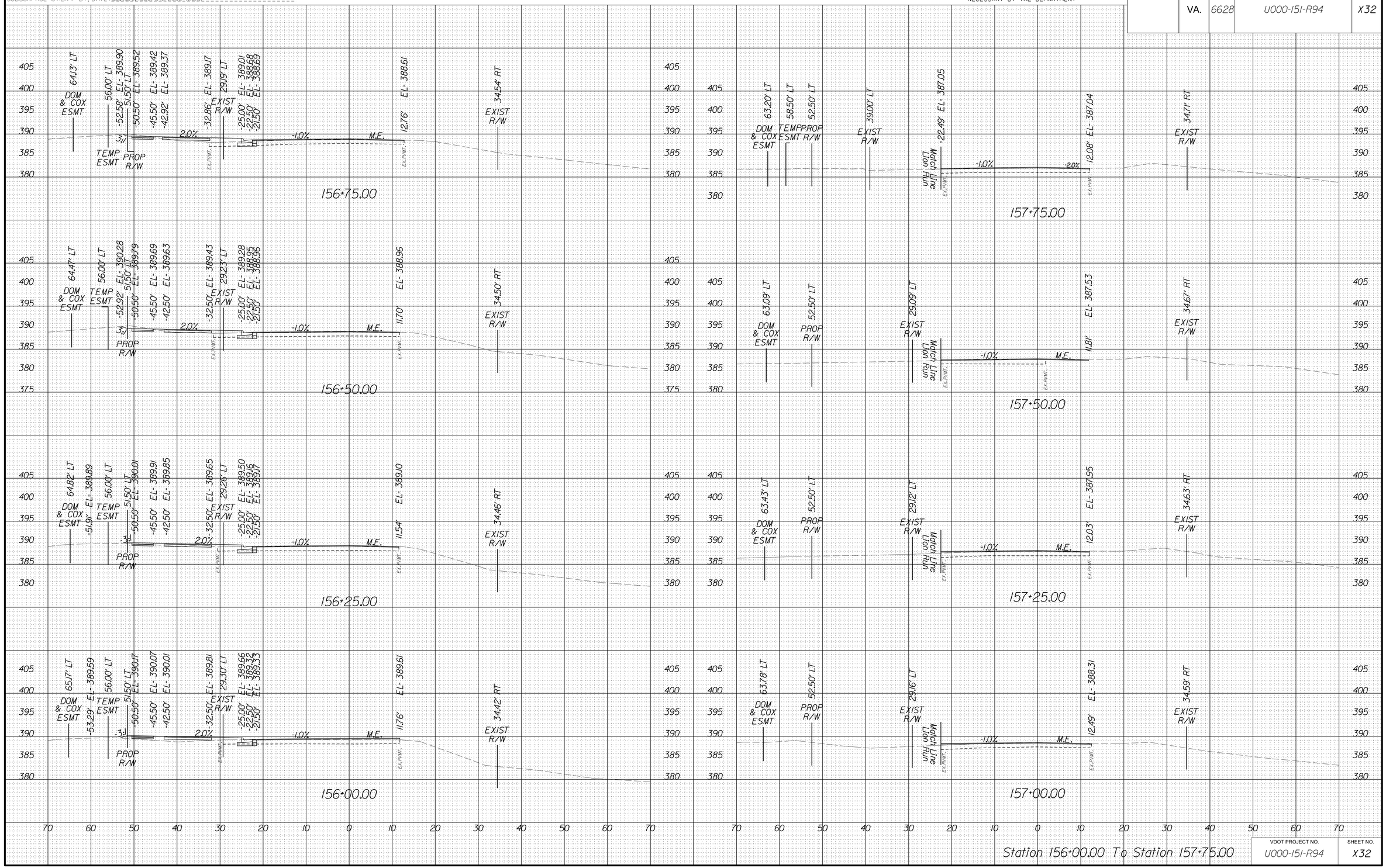
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X32



Station 156+00.00 To Station 157+75.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X32

FINAL PLANS

12/1/2025
4:33:01 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

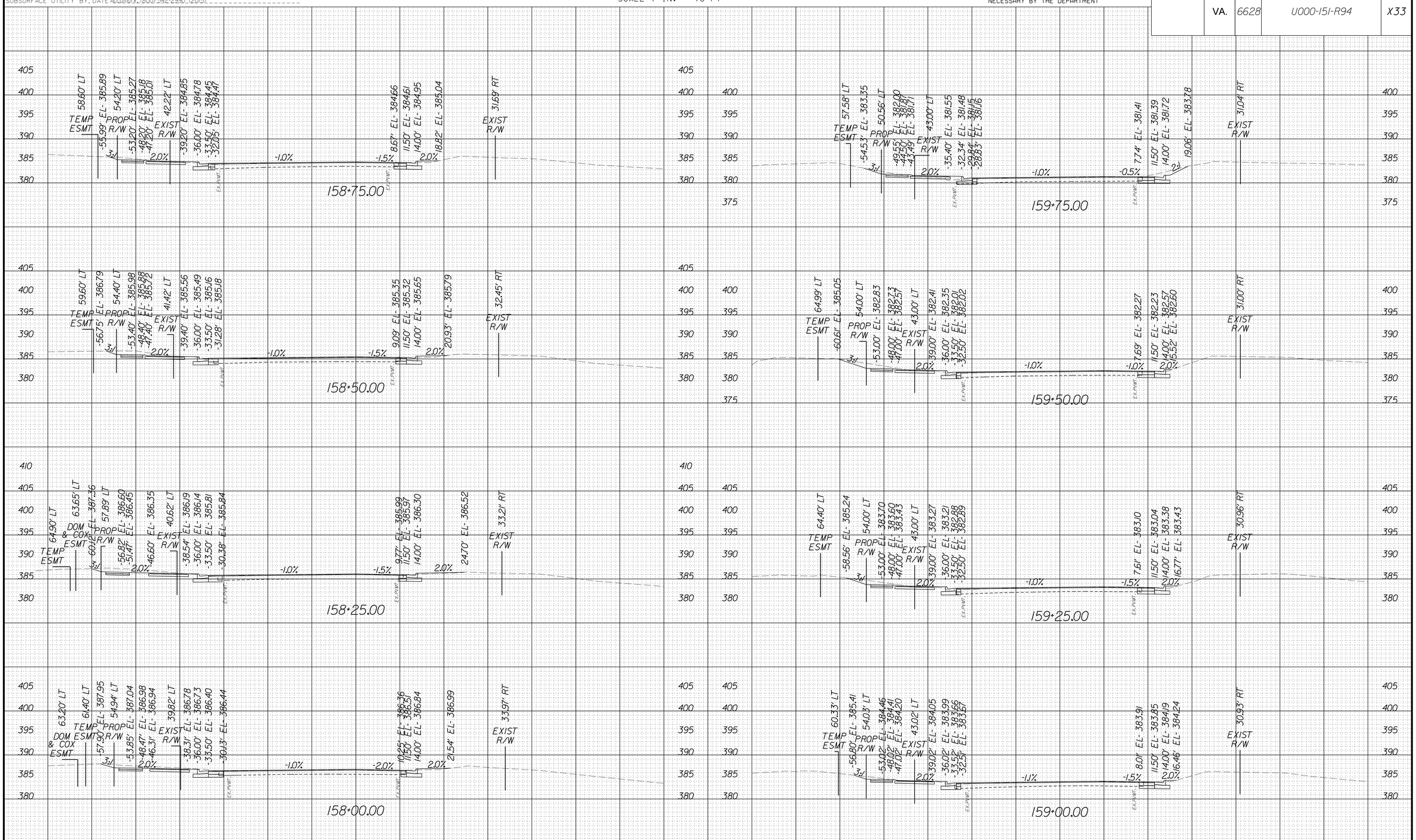
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X33



VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X33

FINAL PLANS

12/11/2025
4:33:11 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373, (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990, (2015)

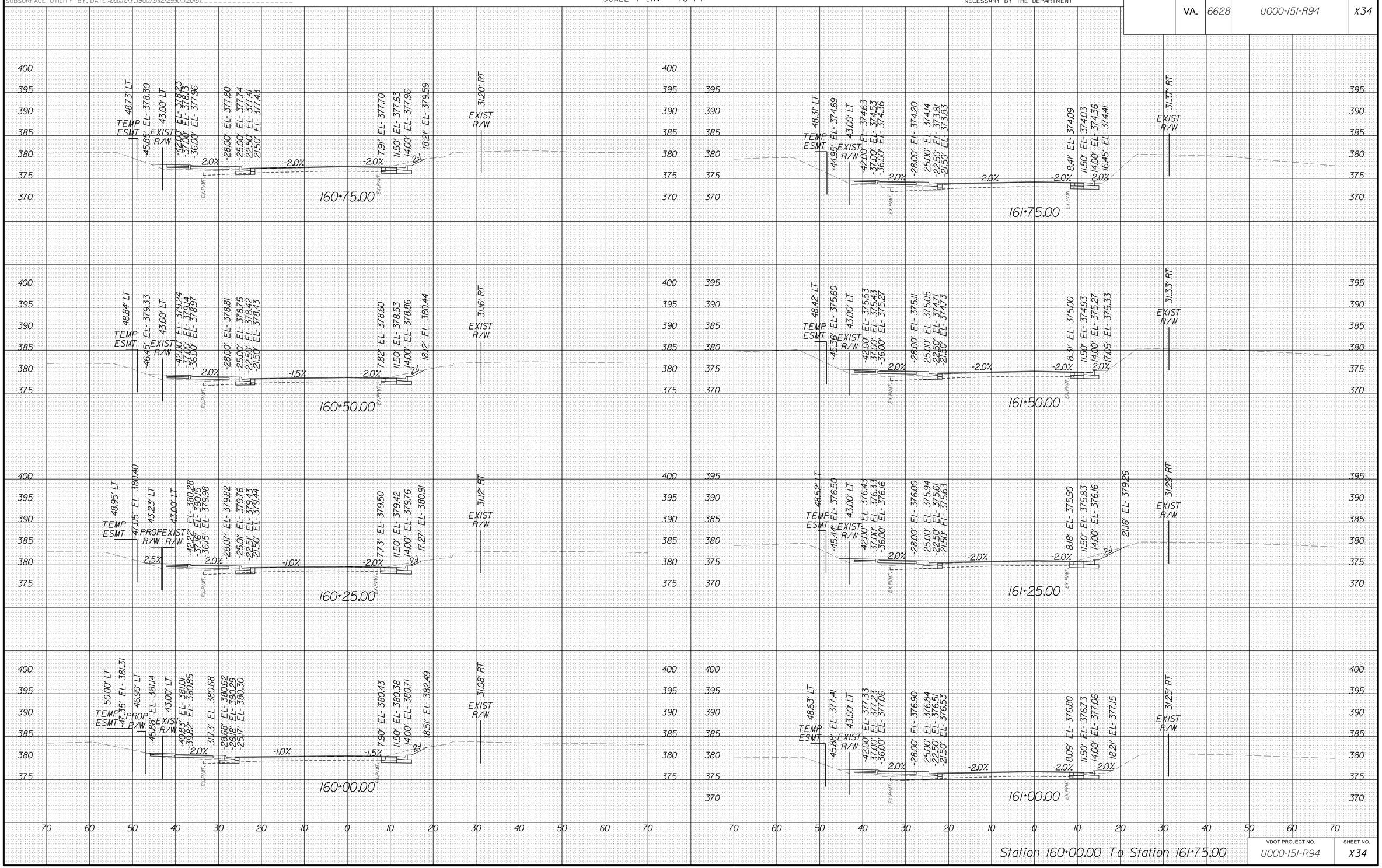
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X34



Station 160+00.00 To Station 161+75.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X34

FINAL PLANS

12/1/2025
4:33:21 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373, (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990, (2015)

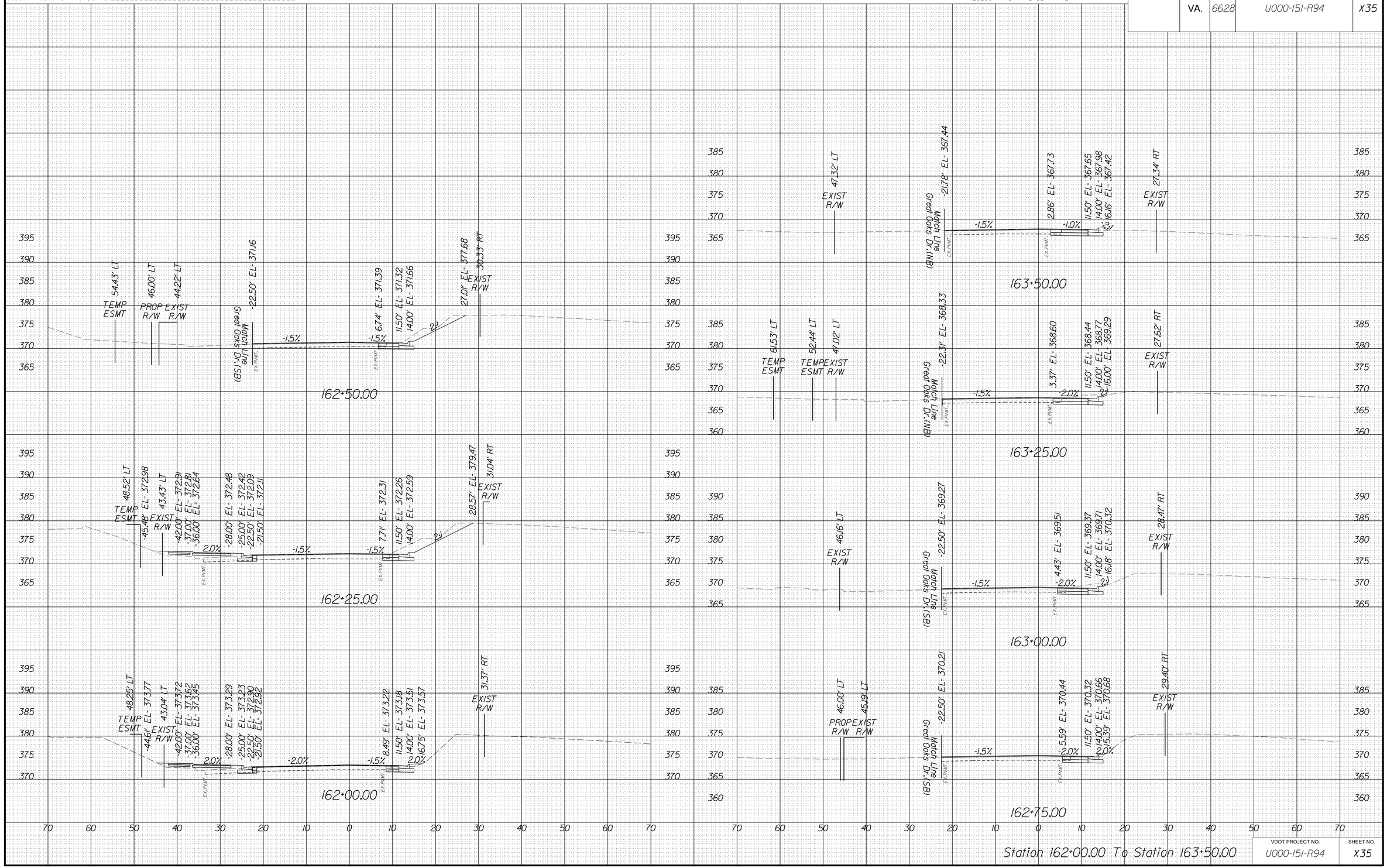
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X35



FINAL PLANS

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X35

12/1/2025
4:33:31 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

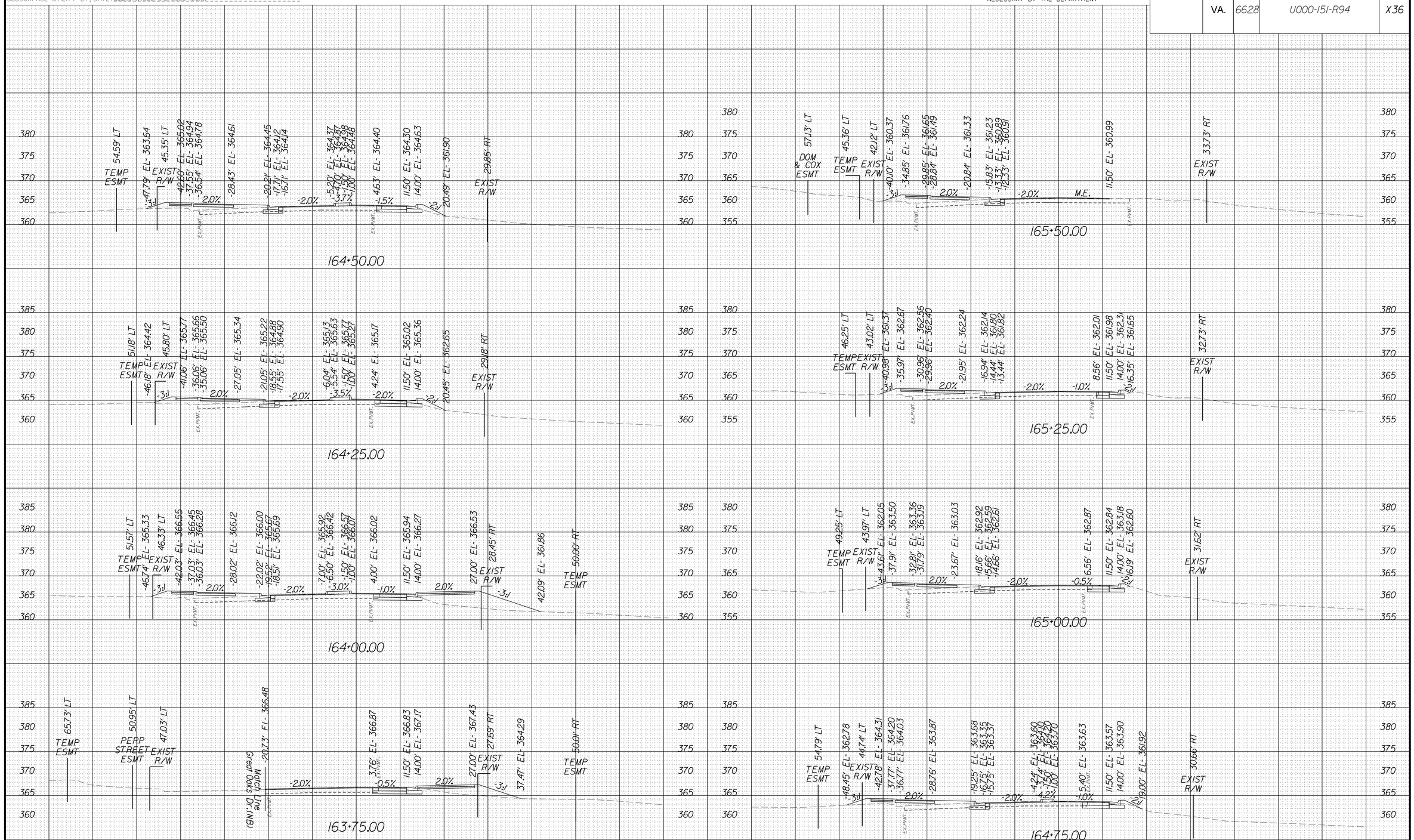
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X36



FINAL PLANS

VDOT PROJECT NO. U000-151-R94 SHEET NO. X36

1/21/2026
4:42:28 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

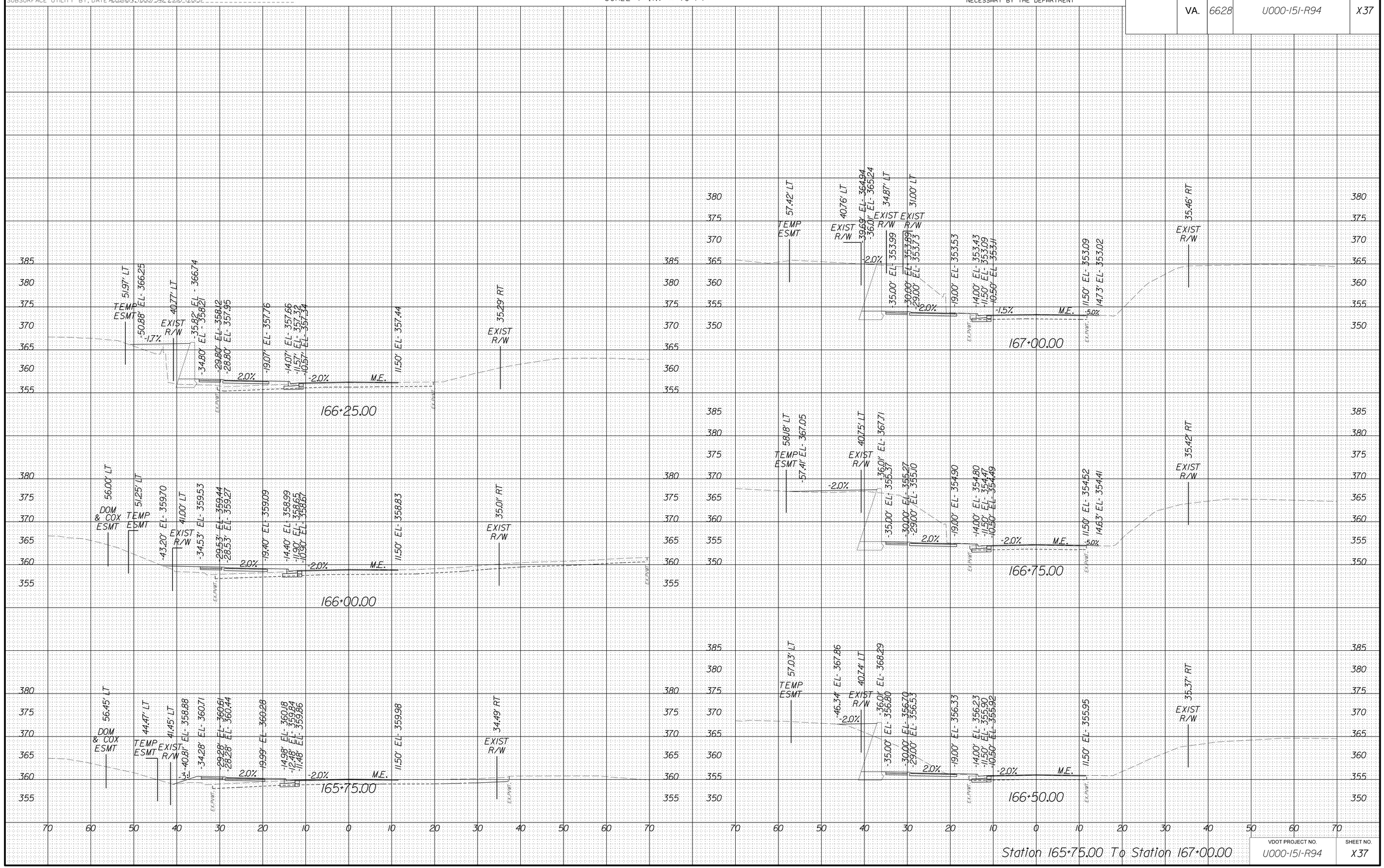
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X37



Station 165+75.00 To Station 167+00.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X37

FINAL PLANS

1/21/2026
4:42:38 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

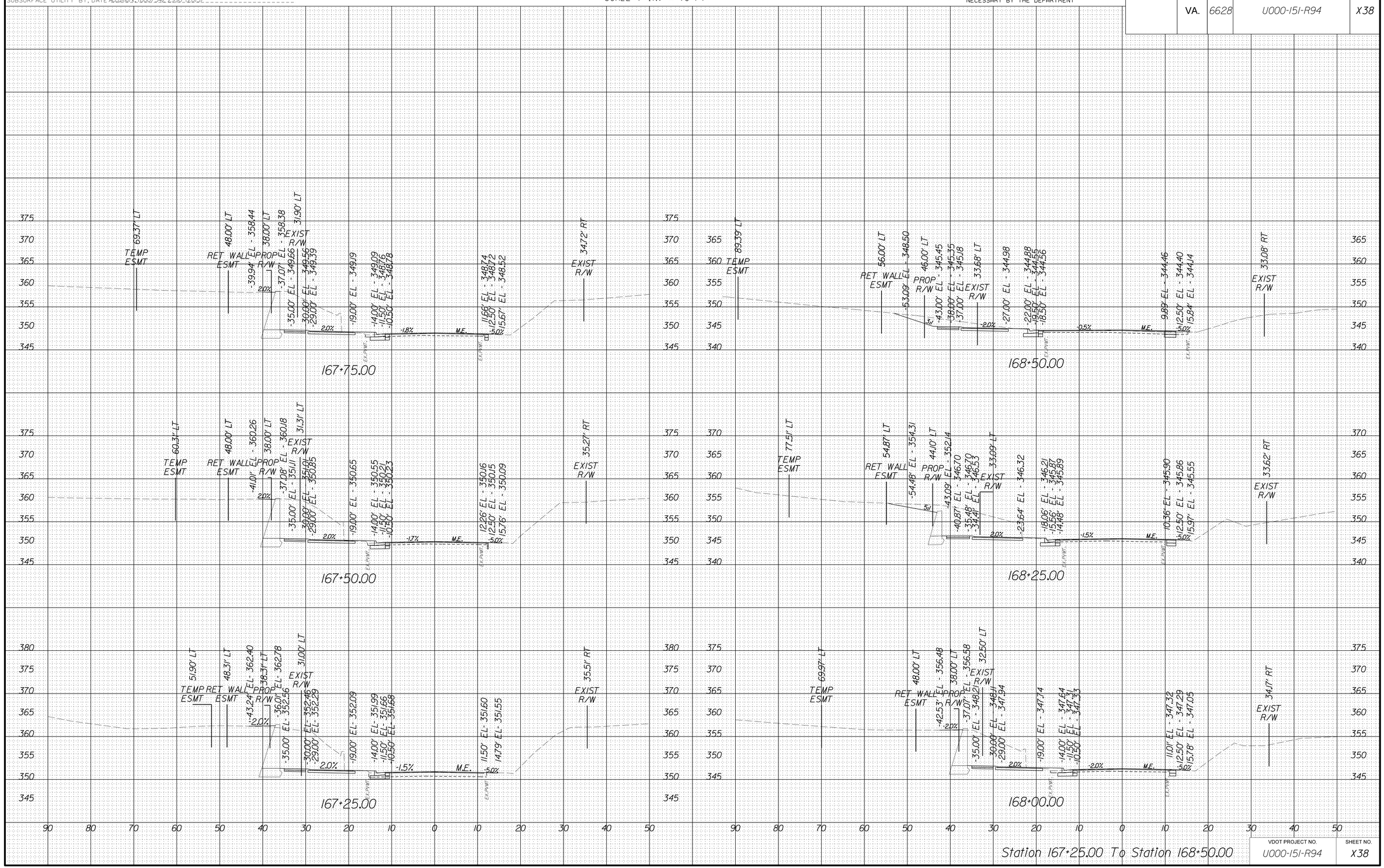
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X38



VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X38

FINAL PLANS

12/1/2025
4:34:01 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

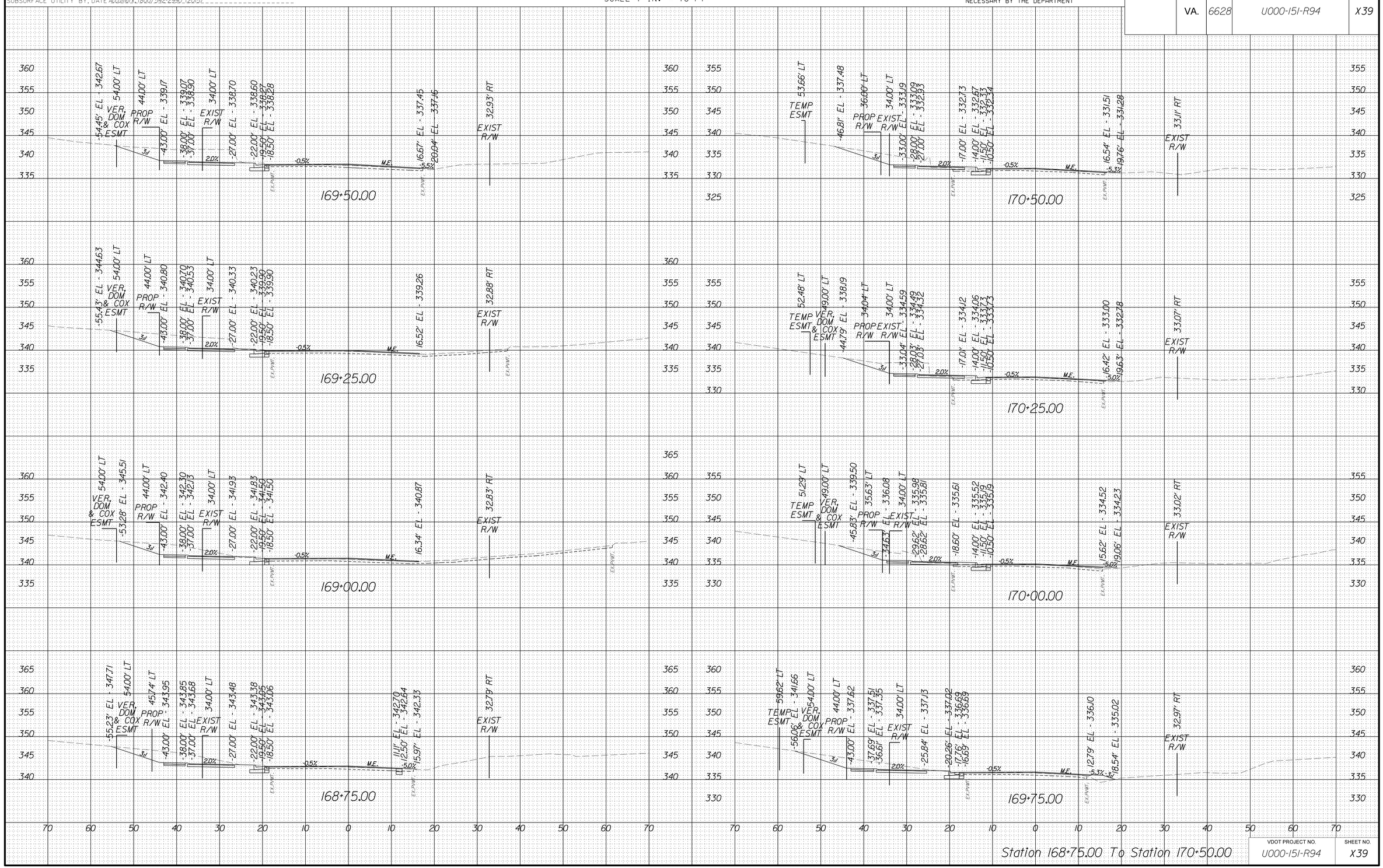
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X39



VDOT PROJECT NO. U000-151-R94 | SHEET NO. X39

FINAL PLANS

1/21/2026
4:42:48 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

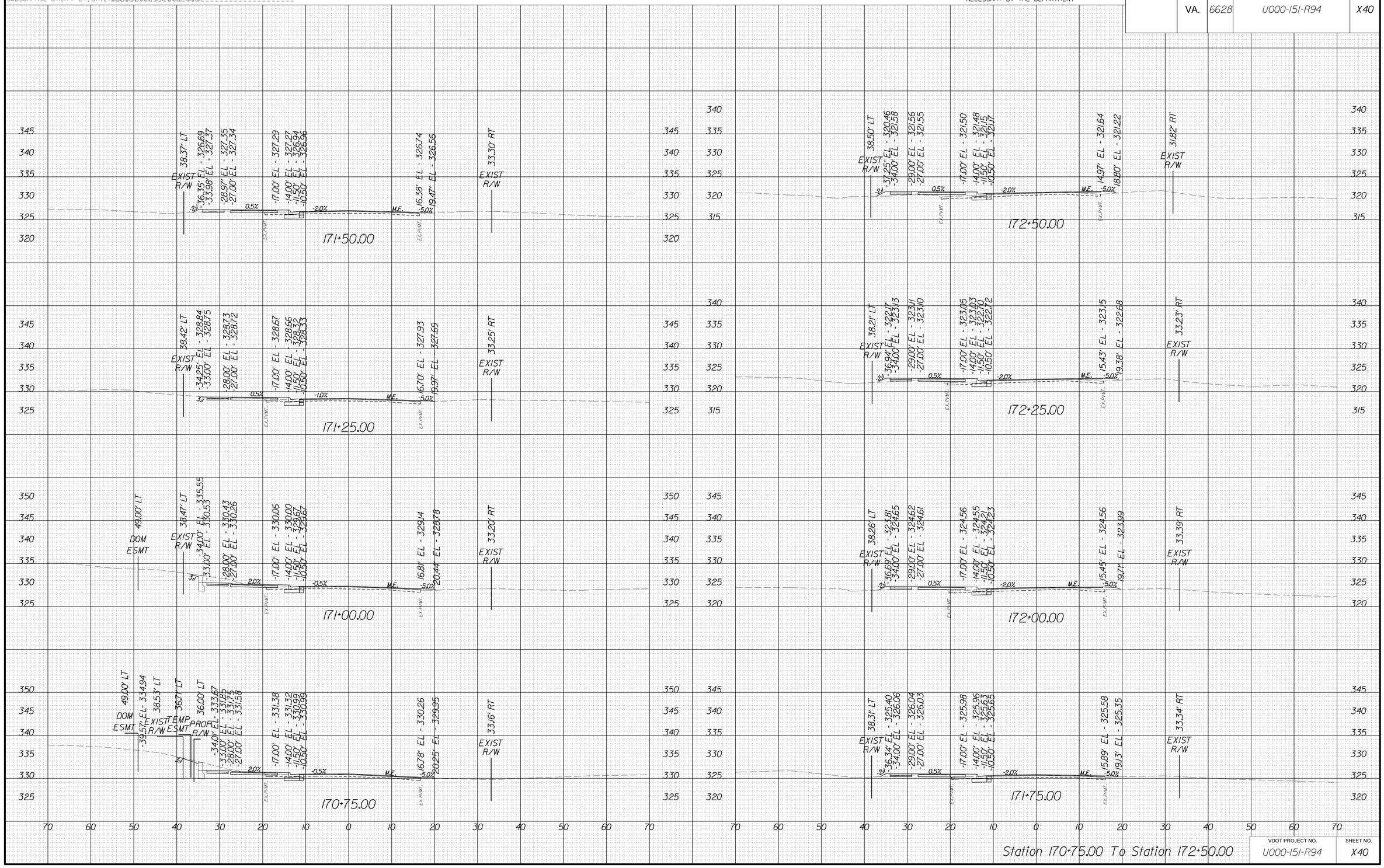
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X40



Station 170+75.00 To Station 172+50.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X40

FINAL PLANS

12/11/2025
4:34:22 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

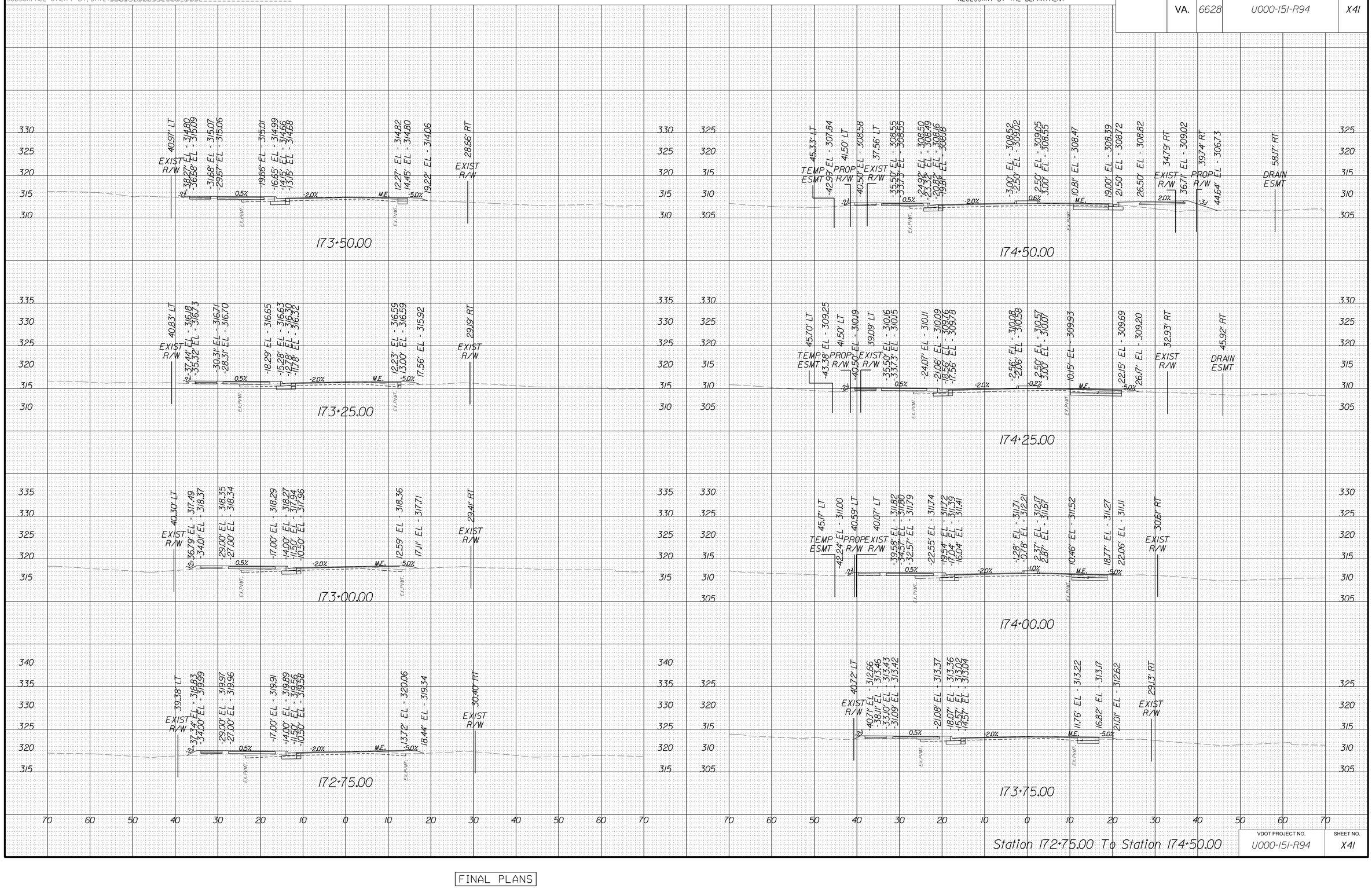
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X41



Station 172+75.00 To Station 174+50.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X41

FINAL PLANS

12/1/2025
4:34:32 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kavgalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

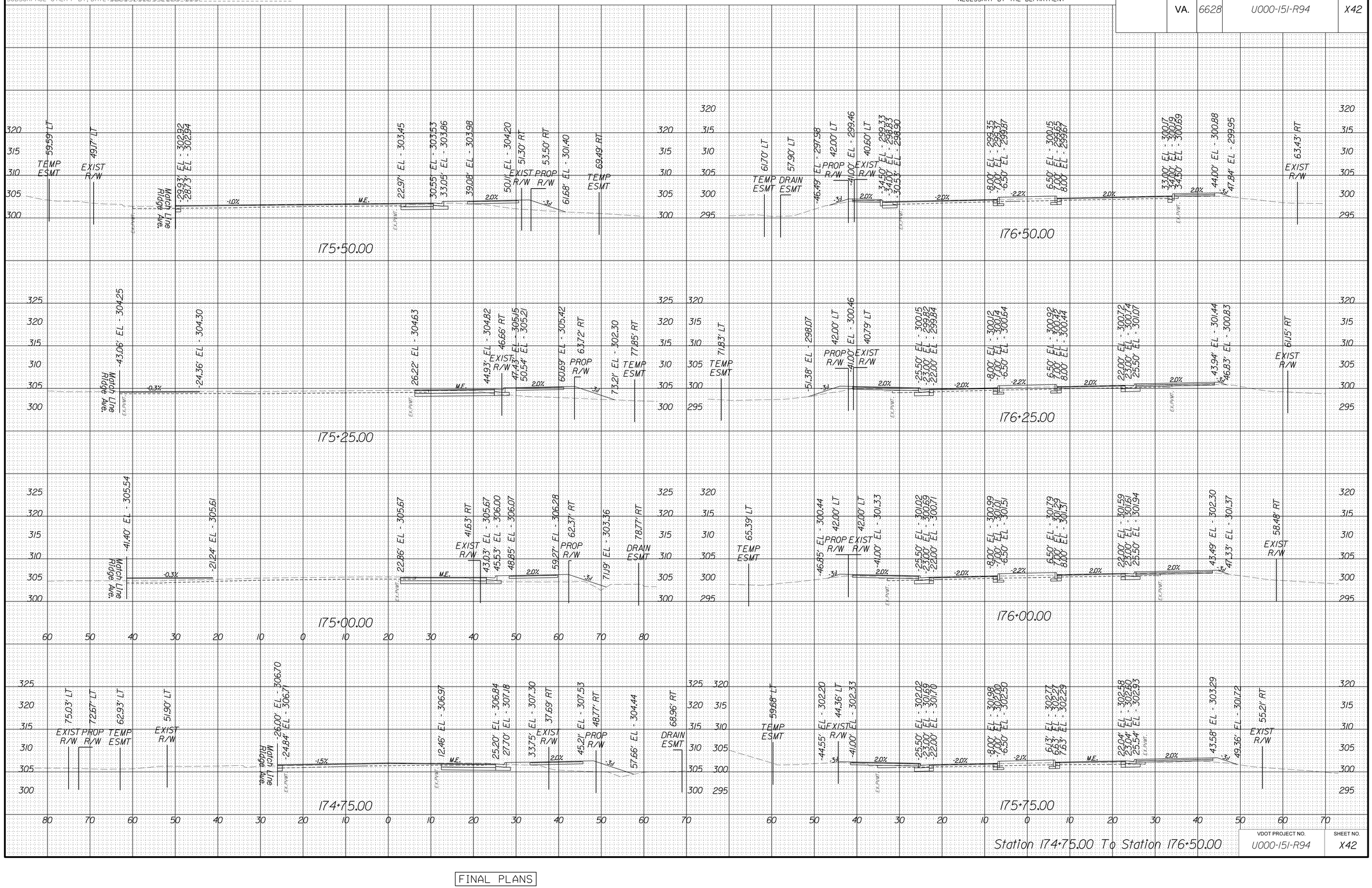
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X42



Station 174+75.00 To Station 176+50.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X42

FINAL PLANS

12/11/2025
4:34:42 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

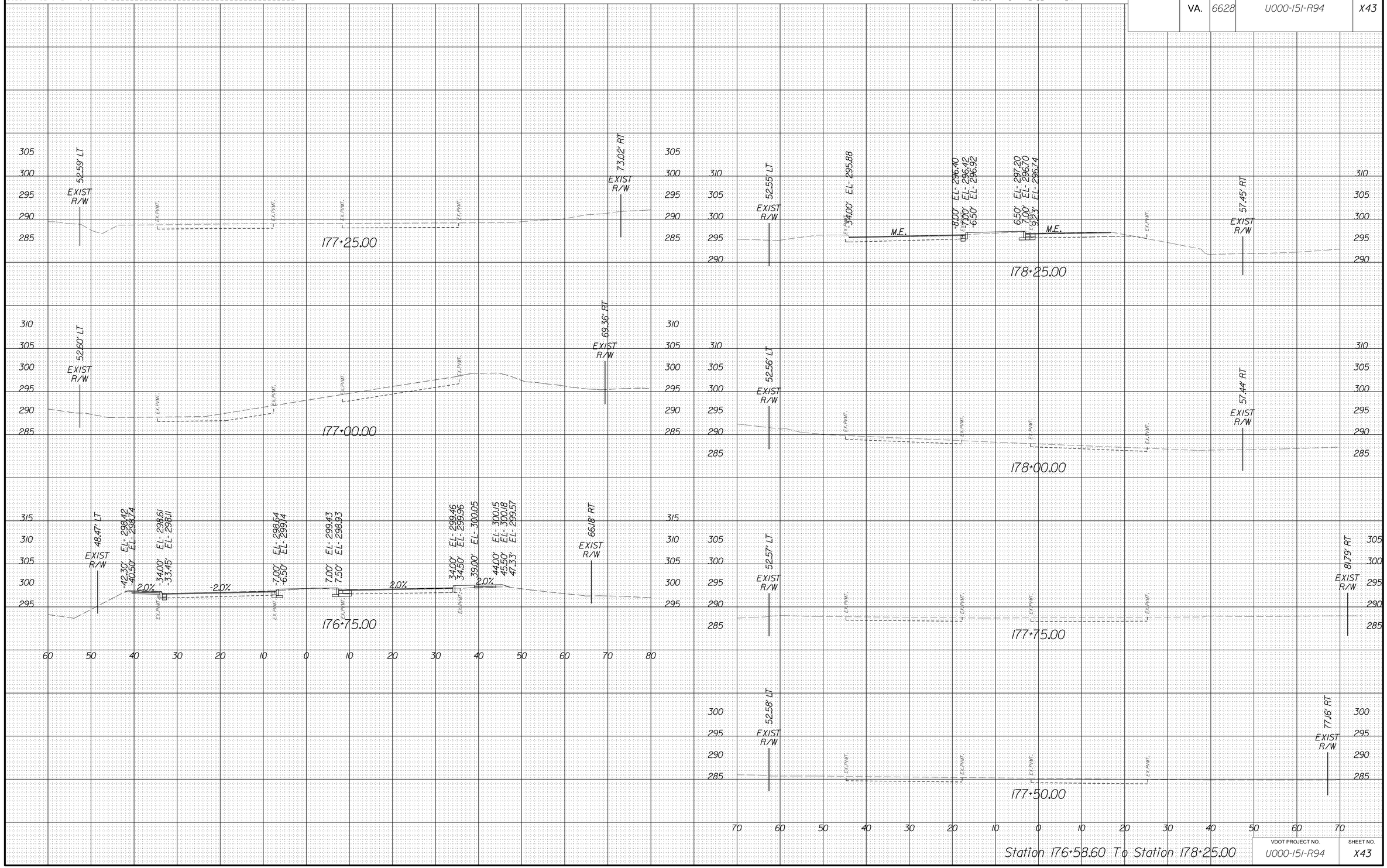
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X43



Station 176+58.60 To Station 178+25.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X43

FINAL PLANS

12/11/2025
4:34:51 PM

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

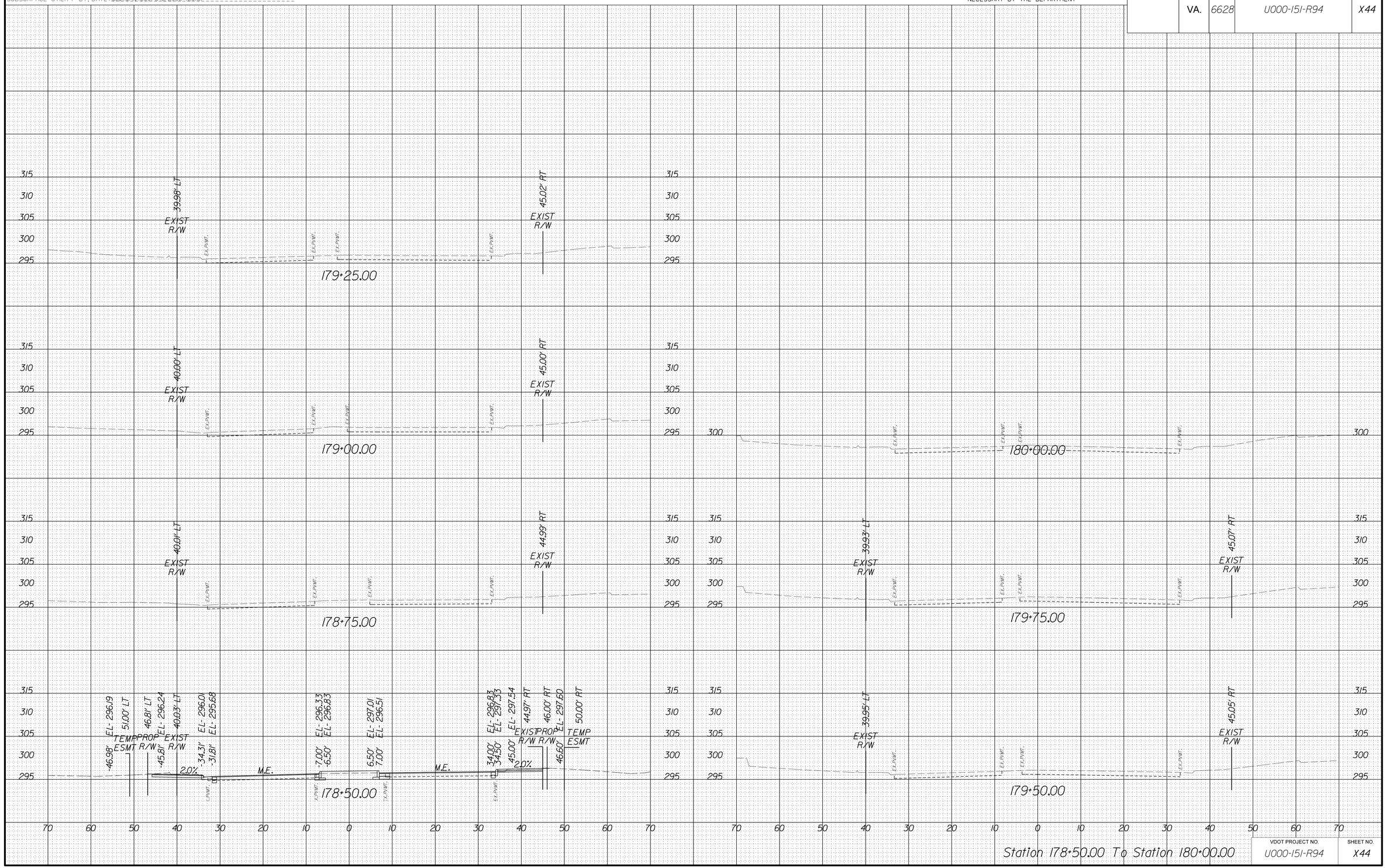
CROSS SECTIONS

SCALE 1 IN. = 10 FT

SCALE 0 10' 20'

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	X44



Station 178+50.00 To Station 180+00.00

VDOT PROJECT NO.	SHEET NO.
U000-151-R94	X44

FINAL PLANS