

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

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

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

- 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:
 - 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.
 - 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.
- 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.
- 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.
- 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.
- 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:
 - 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
 - NIGHT, WEEKEND, AND HOLIDAY DISPATCHER
TELEPHONE: (703) 289-6395 OR (703) 289-6323
- THE CONTRACTOR SHALL NOT OPEN OR CLOSE ANY EXISTING WATER SYSTEM VALVES WITHOUT A FAIRFAX WATER INSPECTOR OVERSEEING THE WORK.
- THE MAXIMUM WORKING PRESSURE OF THE EXISTING WATER SYSTEM IS APPROXIMATELY 115 PSI.
- FAIRFAX WATER INSPECTOR WILL RECORD "AS-BUILT" CONDITIONS FOR THE GENERAL WATER MAIN CONSTRUCTION.

- 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:

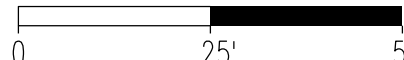
AMANDA SCHUMACHER, CHIEF CONSTRUCTION ENGINEER
FAIRFAX WATER
8560 ARLINGTON BOULEVARD
FAIRFAX, VA 22031
TELEPHONE: (703) 289-6361
E-MAIL: ASCHUMACHER@FAIRFAXWATER.ORG
- ALL WATER MAIN INSTALLATION SHALL BE IN CONFORMANCE WITH THE FAIRFAX WATER STANDARD DETAILS INCLUDED HEREIN AND FOUND AT WWW.FAIRFAXWATER.ORG.
- 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.
- 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.
- 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.
- 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.
- BASED ON THE APPROVED CONSTRUCTION SCHEDULE, FAIRFAX WATER WILL PROVIDE WRITTEN NOTIFICATION TO CUSTOMERS OF WATER SERVICES INTERRUPTIONS AT LEAST 48 HOURS IN ADVANCE.
- 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.
- 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.

- FIELD APPLIED PETROLATUM TAPE TO BE APPLIED TO:
 - BURIED MECHANICAL JOINTS, BOLTS, NUTS, COUPLINGS, HARNESS TIE RODS, SADDLES, IRON AND STEEL ANCHORS, AND OTHER BURIED CONNECTING HARDWARE.
 - PIPE EMBEDDED IN CONCRETE ANCHOR BLOCKS OR OTHERWISE IN CONTACT WITH CONCRETE, EXTENDING THROUGH CONCRETE AND ADJACENT 6 INCHES IN BOTH DIRECTIONS.
 - SERVICE CLAMPS, NON-MOVING PARTS OF CORPORATION STOPS AND OTHER TRANSITION FITTINGS BETWEEN COPPER SERVICES AND DUCTILE IRON PIPE.
- 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.
- ANY SOUND BARRIER CONSTRUCTION, INCLUDING FOOTINGS, WITHIN 15 FEET OF THE EXISTING OR PROPOSED WATER MAINS SHALL BE REVIEWED FOR APPROVAL BY FAIRFAX WATER.
- 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.
- PROPOSED WATER MAINS AND SERVICE LINES MUST BE PLACED IN SERVICE BEFORE EXISTING WATER MAINS AND SERVICE LINES ARE ABANDONED.
- IN INSTANCES WHERE FAIRFAX CITY AND FAIRFAX WATER REQUIREMENTS OVERLAP OR ADDRESS THE SAME ISSUES, THE MORE STRINGENT SHALL BE ADHERED TO.
- 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.
- 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.
- ALL EXISTING AND NEW VALVE BOXES MUST BE FULLY ADJUSTED TO CONFORM TO FINAL ASPHALT GRADE. NO PAVING ADJUSTERS WILL BE PERMITTED.
- 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.
- 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.

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	

SCALE	PROJECT	SHEET NO.
	U000-154-R94	21(1)

PROJECT MANAGER *Wendy Block Sanford, (703) 385-7889*
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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
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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 DETAIL.

100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION 1

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

SCALE	PROJECT	SHEET NO.
	U000-154-R94	21(2)

DESIGN FEATURES RELATING TO CONSTRUCTION
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57-2-02-175A
CITY OF FAIRFAX, VIRGINIA
DB 5822 PG 644



PROJECT <i>U000-154-R94</i>	SHEET NO. <i>21(3)</i>
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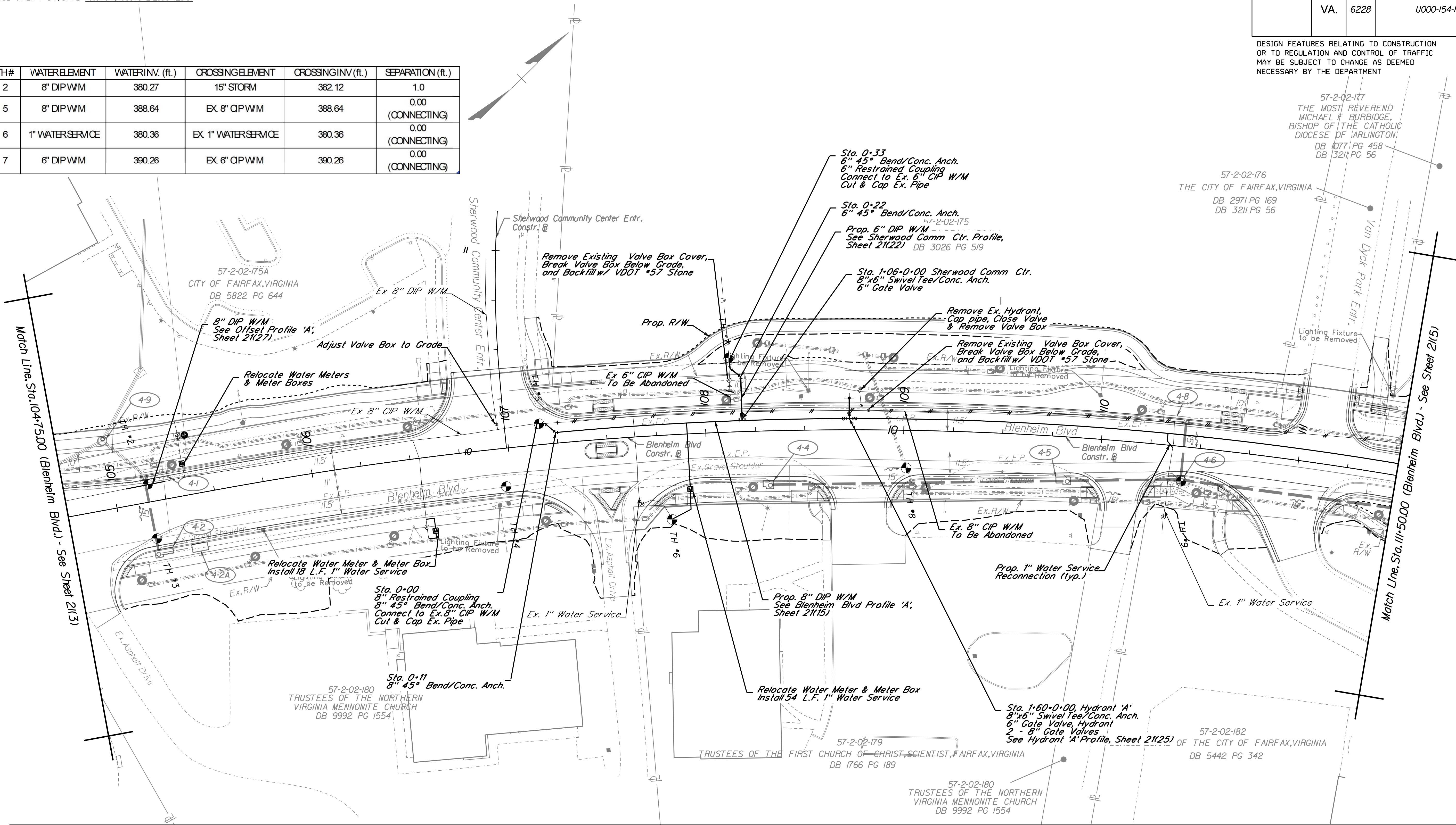
ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED
BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

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

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



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION 1

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(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	PROJECT	SHEET NO.
0 25' 50'	U000-154-R94	2(14)

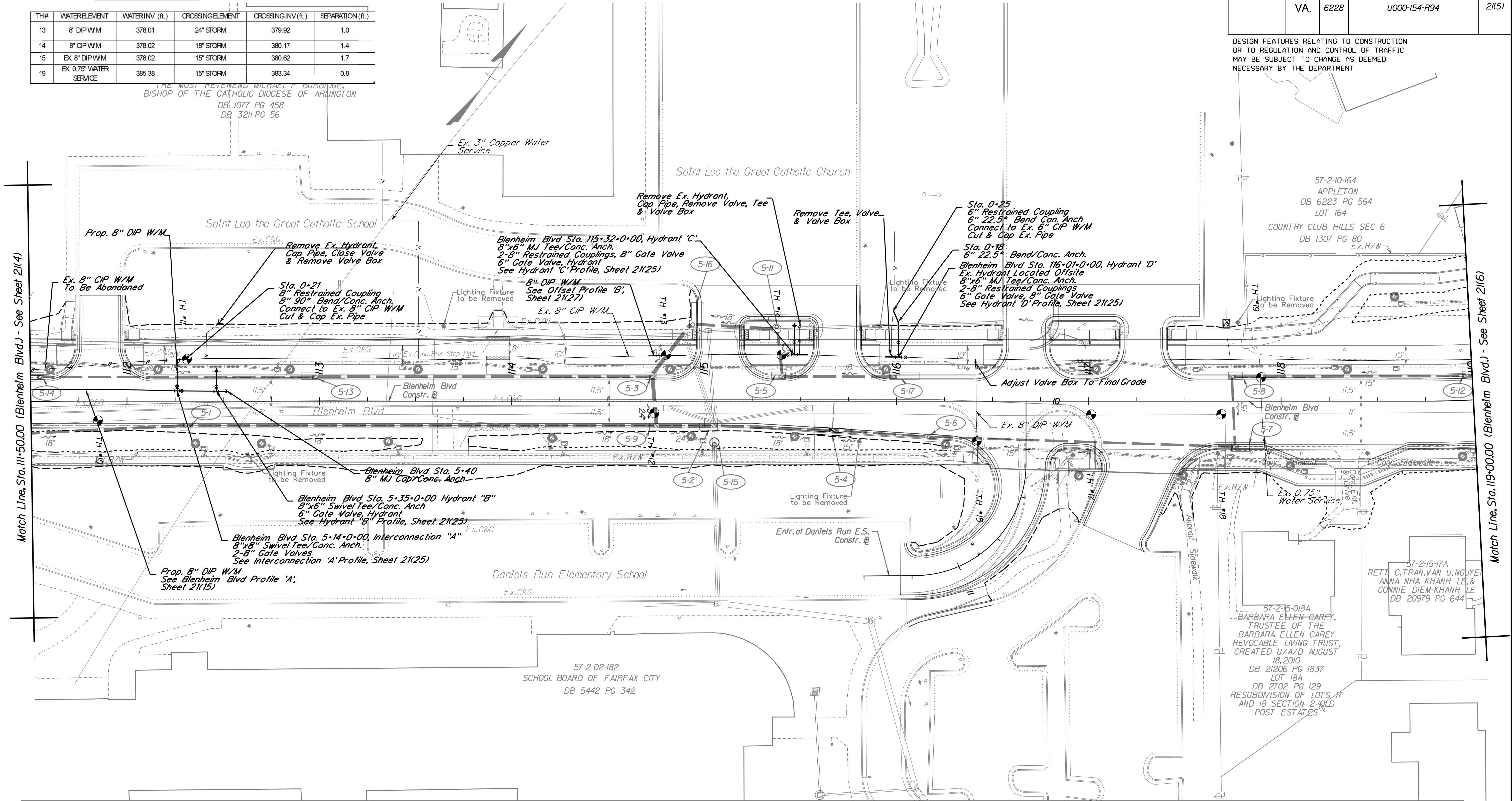
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TH#	WATER ELEMENT	WATER INV. (ft.)	CROSSING ELEMENT	CROSSING INV. (ft.)	SEPARATION (ft.)
13	8" DIP W/M	378.01	24" STORM	379.92	1.0
14	8" DIP W/M	378.02	18" STORM	380.17	1.4
15	EX. 8" DIP W/M	378.02	15" STORM	380.62	1.7
19	EX. 0.75" WATER SERVICE	385.38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

THE MOST REVEREND MICHAEL F. BURBIDGE,
BISHOP OF THE CATHOLIC DIOCESE OF ARLINGTON
DB 1077 PG 458
DB 3211 PG 56



100% PLANS

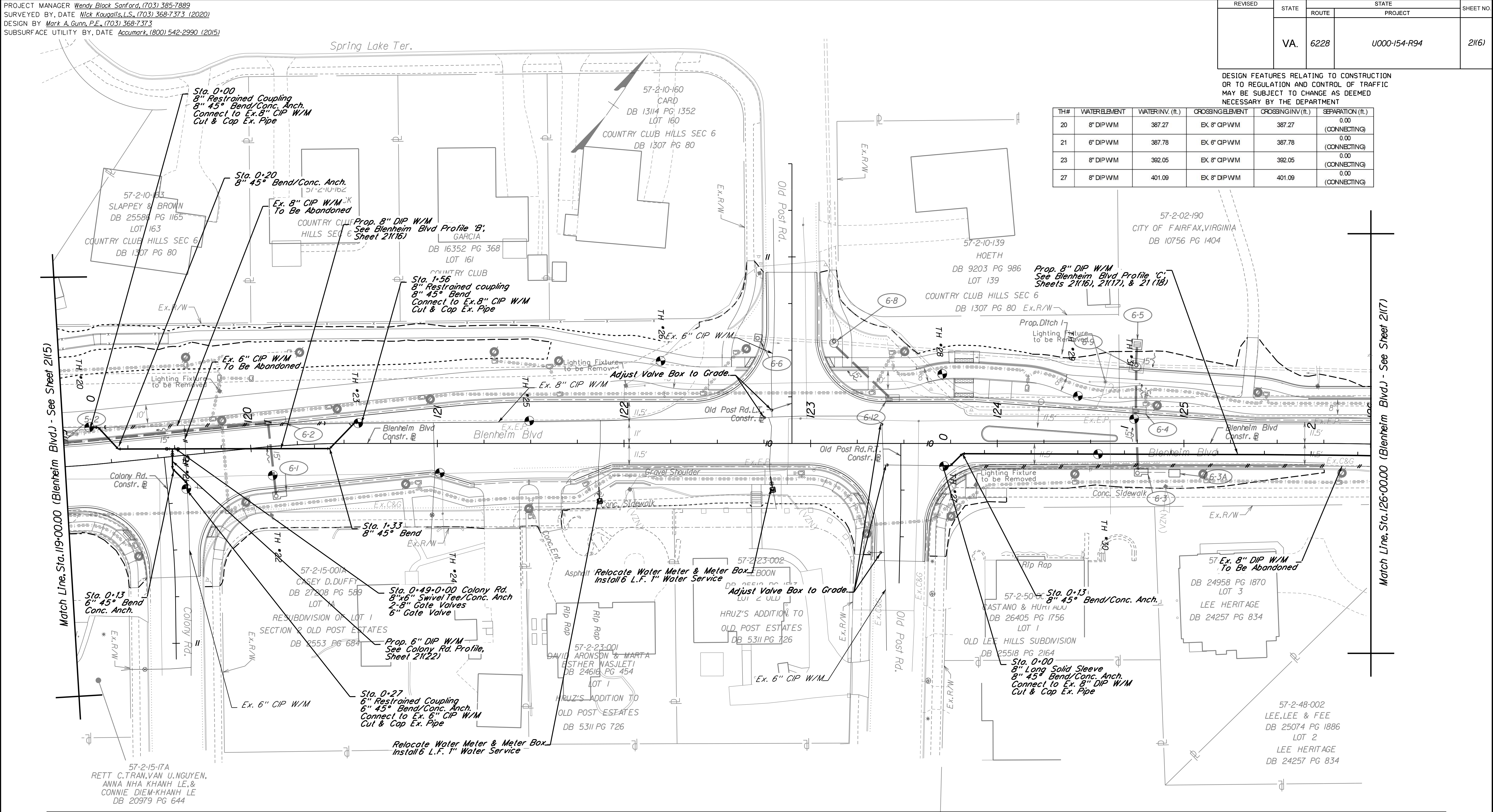
FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION 1

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

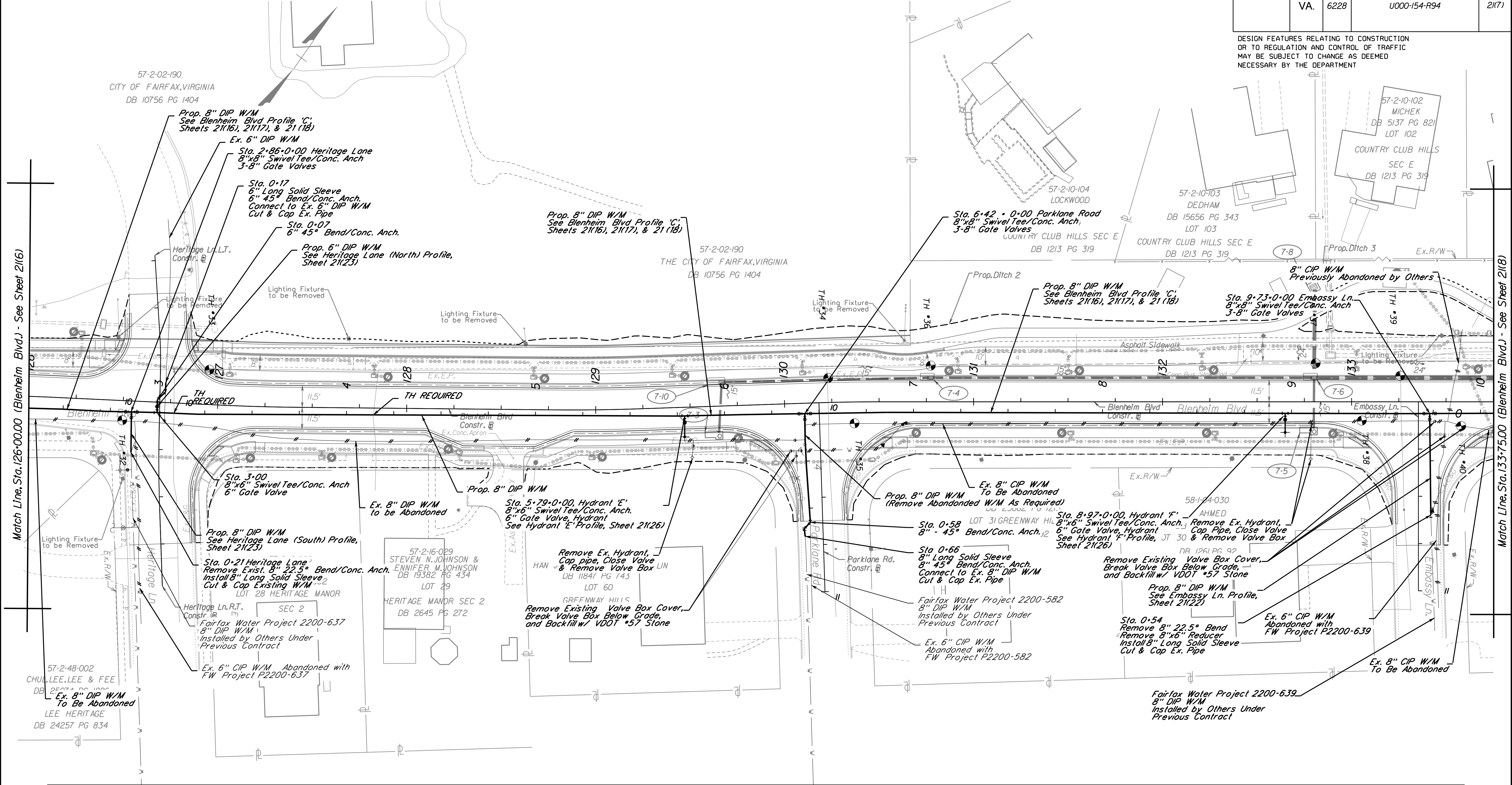
SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-154-R94	21(5)



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)

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	6228		U000-154-R94	21(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 1

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(7)
Horizontal Constr. Alignment Data	IG(1A) - IG(1E)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	7A
Profile Heritage Ln./Parklane Rd.	7B
Profile Embassy Ln.	7B

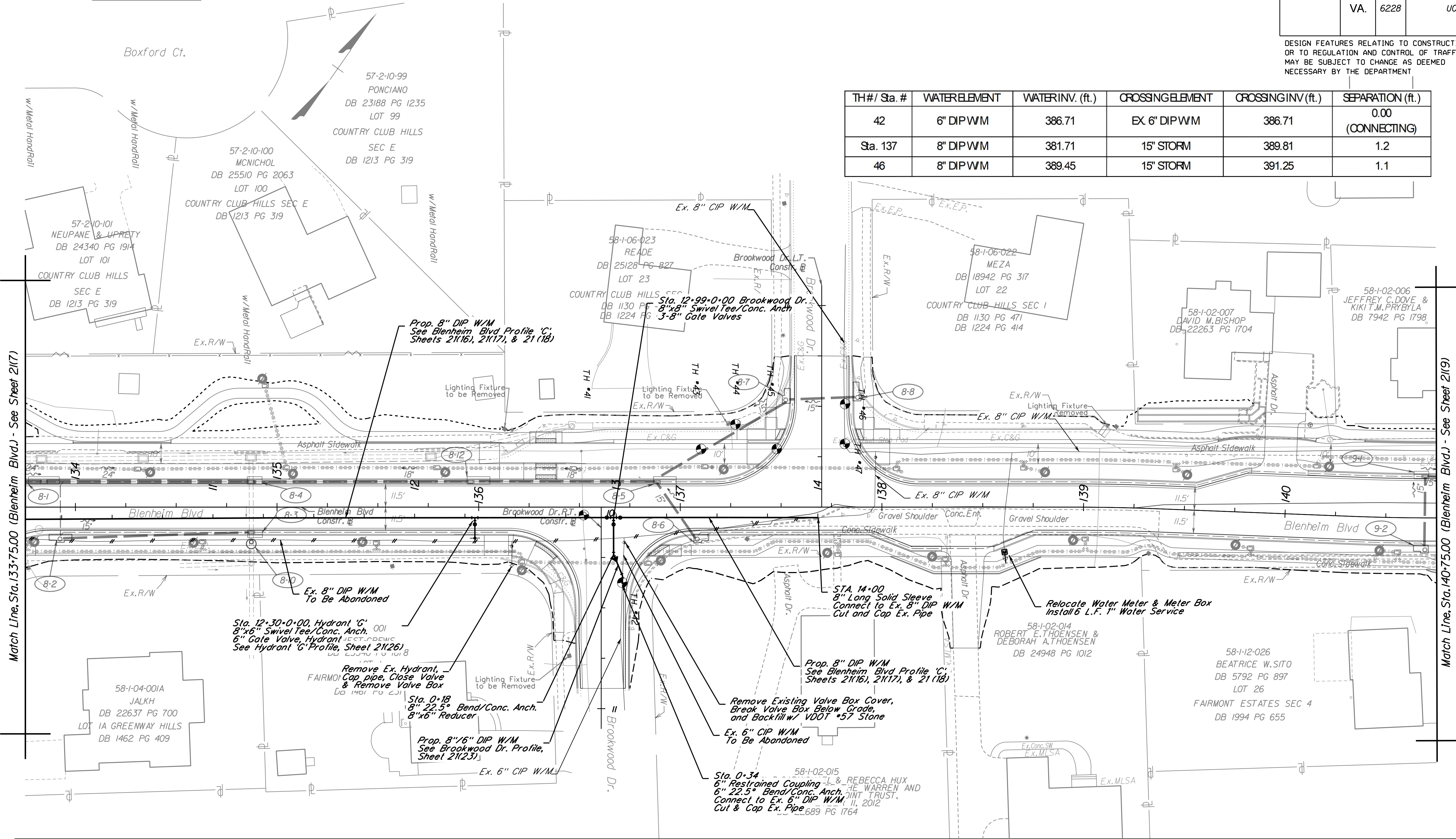
SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-154-R94	21(7)

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)

REVISED	STATE	ROUTE	STATE	SHEET NO.
	VA.	6228	U000-154-R94	21(8)

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

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



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION 1

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 Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	8A
Profile Brookwood Drive	8B

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-154-R94	21(8)

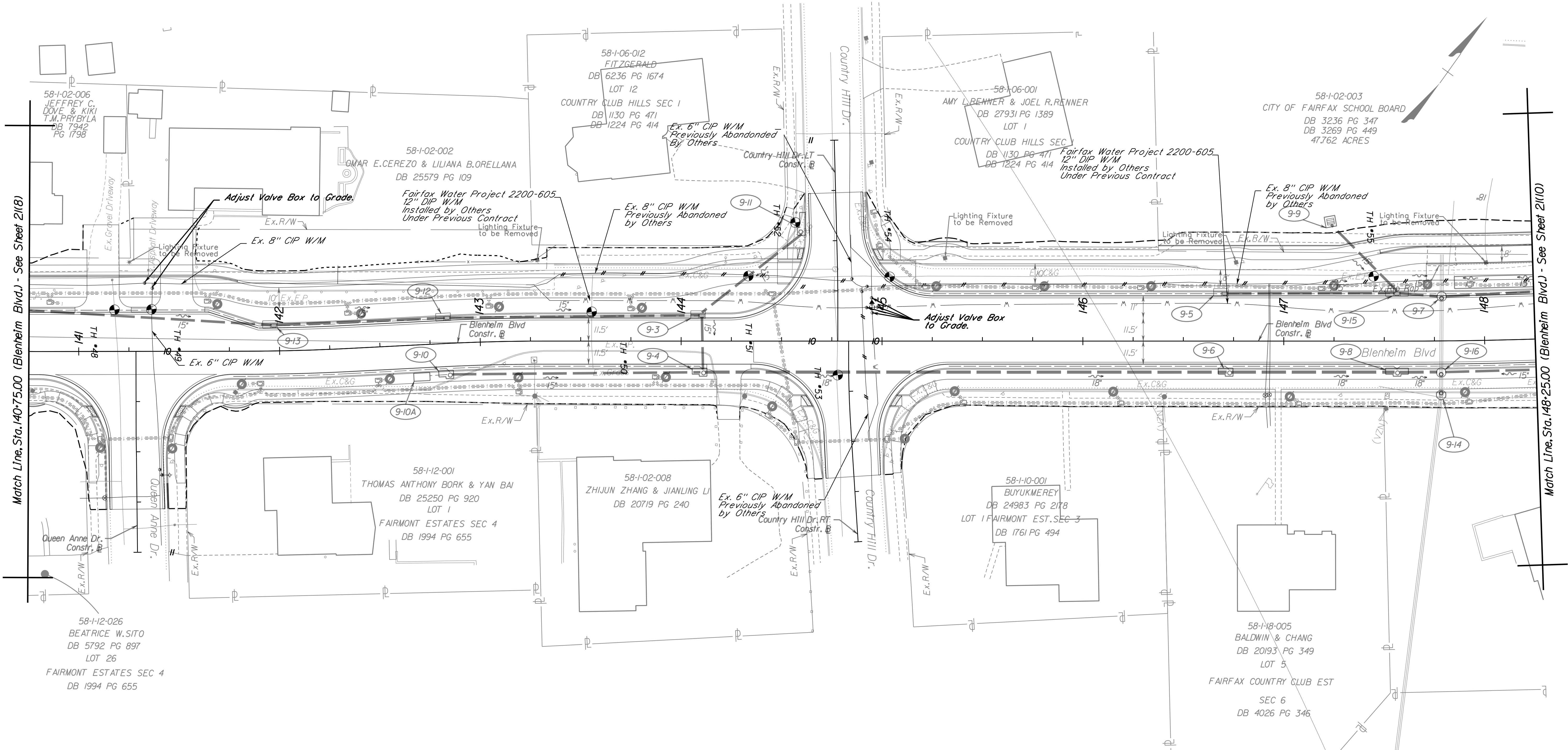
100% PLANS THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION. ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

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)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2(19)

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

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



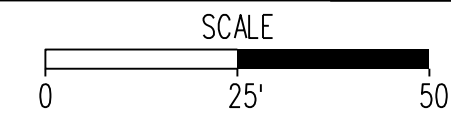
100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION 1

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(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



PROJECT	SHEET NO.
U000-154-R94	2(19)

100% PLANS

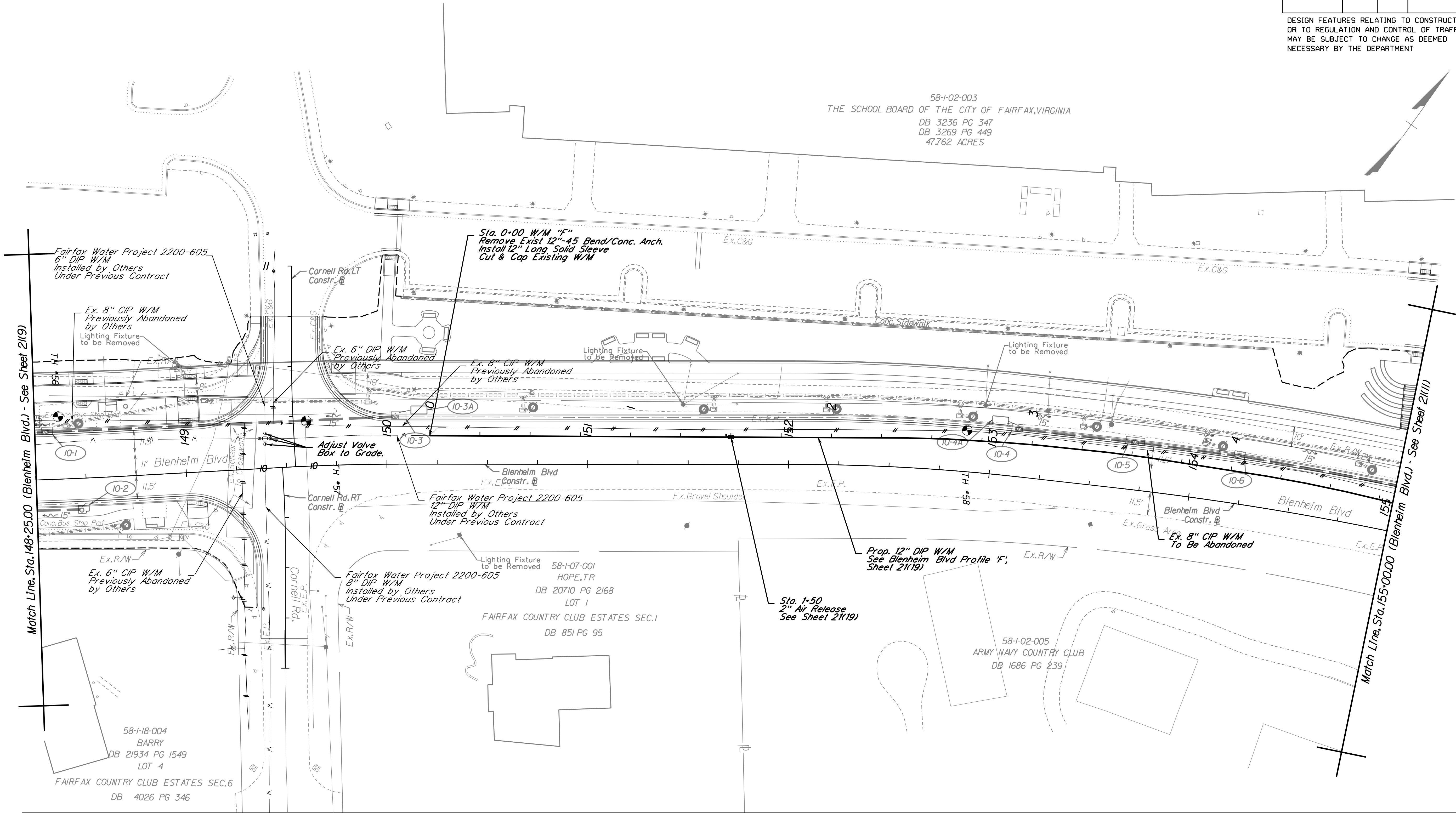
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

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)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	21(10)

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



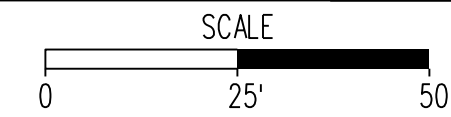
100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION 1

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(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



PROJECT
U000-154-R94

SHEET NO.
21(10)

100% PLANS

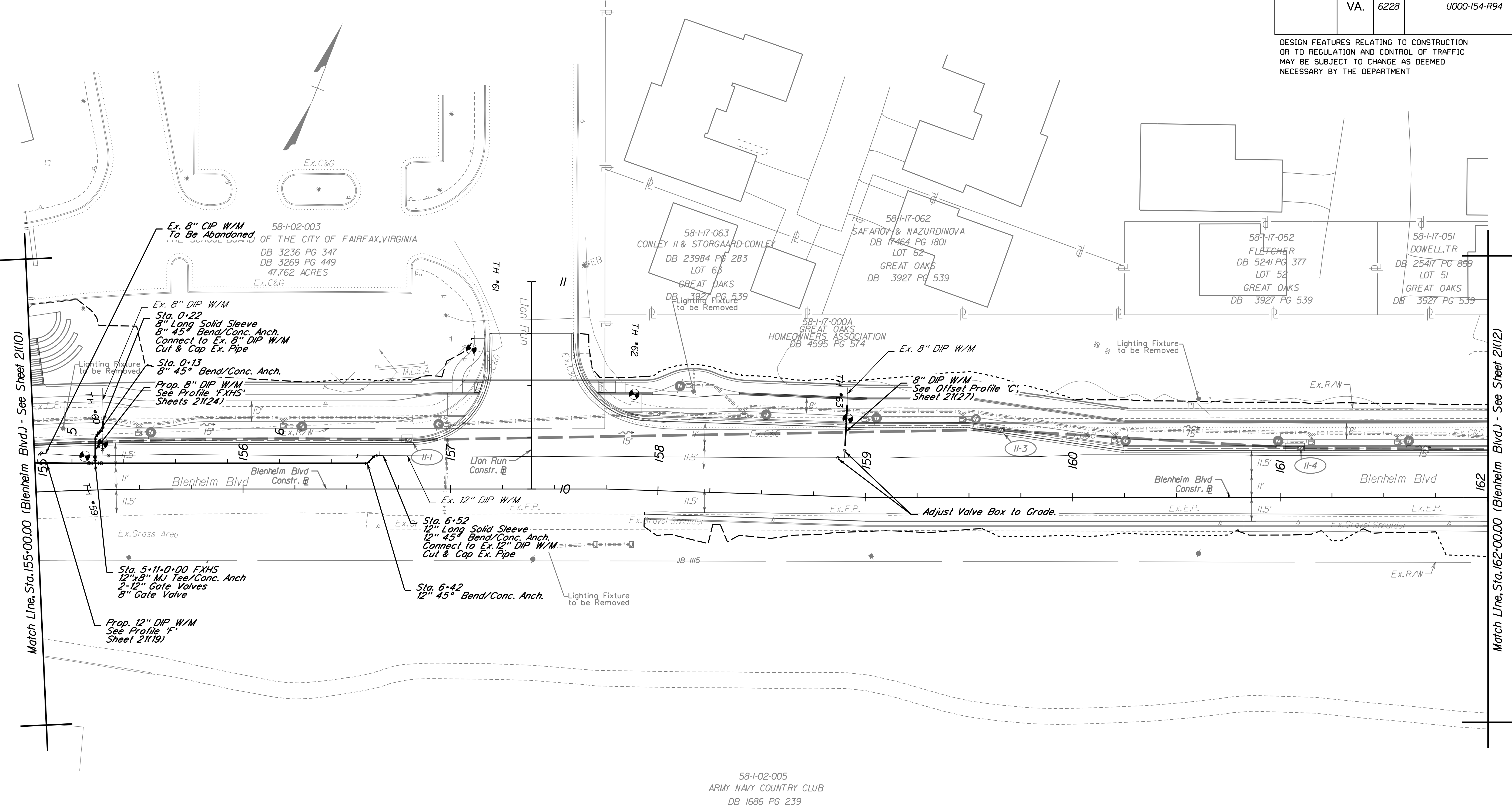
THESE PLANS ARE UNFINISHED AND UNAPPROVED
AND ARE NOT TO BE USED FOR CONSTRUCTION.

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)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	2(111)

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 1

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(11)
Horizontal Constr. Alignment Data	IG(1A) - IG(1E)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	11A
Profile Lion Run	11B

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-154-R94	2(111)

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)

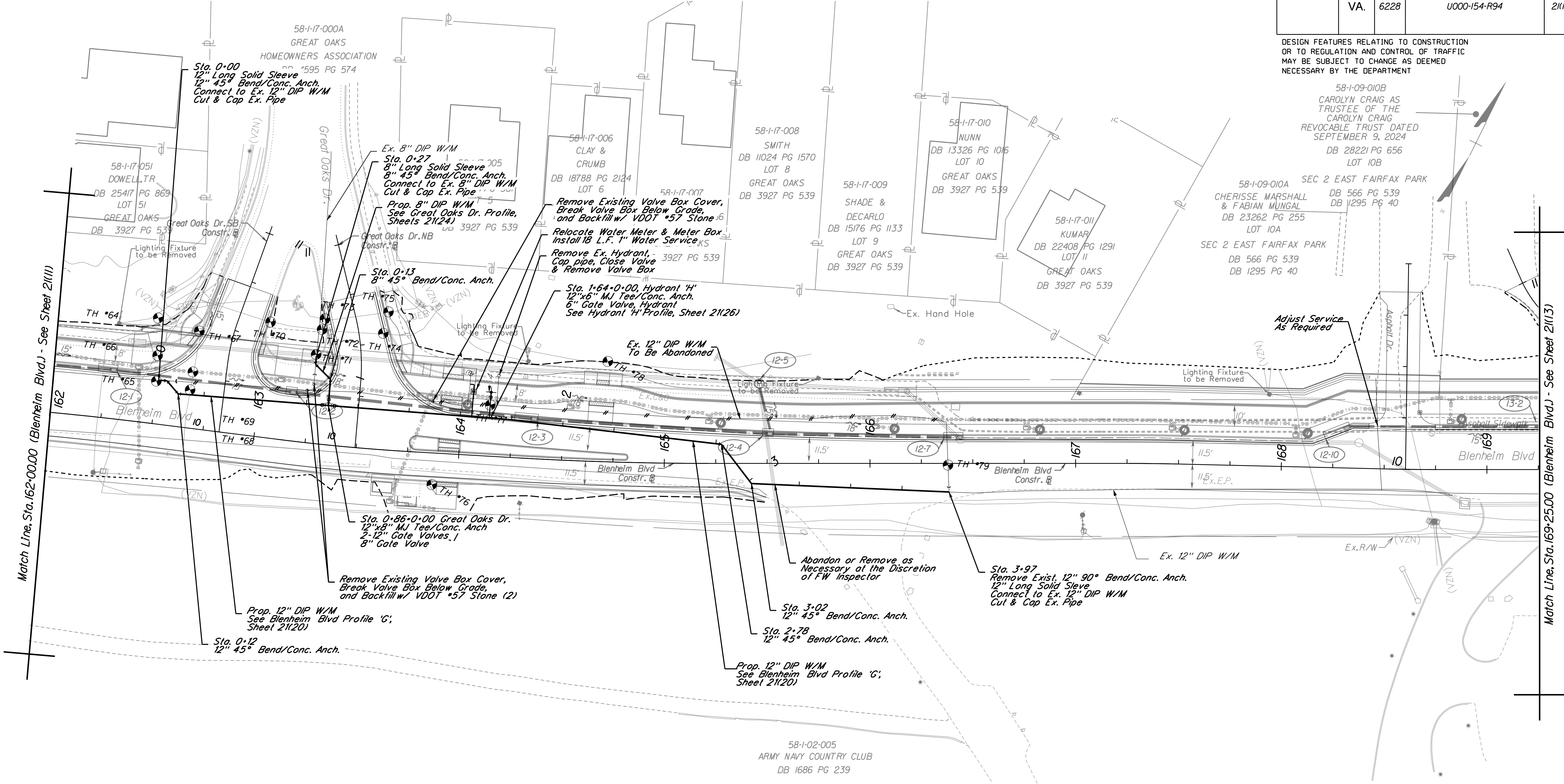
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	6228		U000-154-R94	2(12)

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

58-I-09-010B
CAROLYN CRAIG AS TRUSTEE OF THE CAROLYN CRAIG REVOCABLE TRUST DATED SEPTEMBER 9, 2024
DB 28221 PG 656 LOT 10B

58-I-09-010A SEC 2 EAST FAIRFAX PARK
CHERRISSE MARSHALL & FABIAN MUNGAL
DB 23262 PG 255 LOT 10A

58-I-09-010A SEC 2 EAST FAIRFAX PARK
CHERRISSE MARSHALL & FABIAN MUNGAL
DB 566 PG 539 DB 1295 PG 40



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION 1

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.)

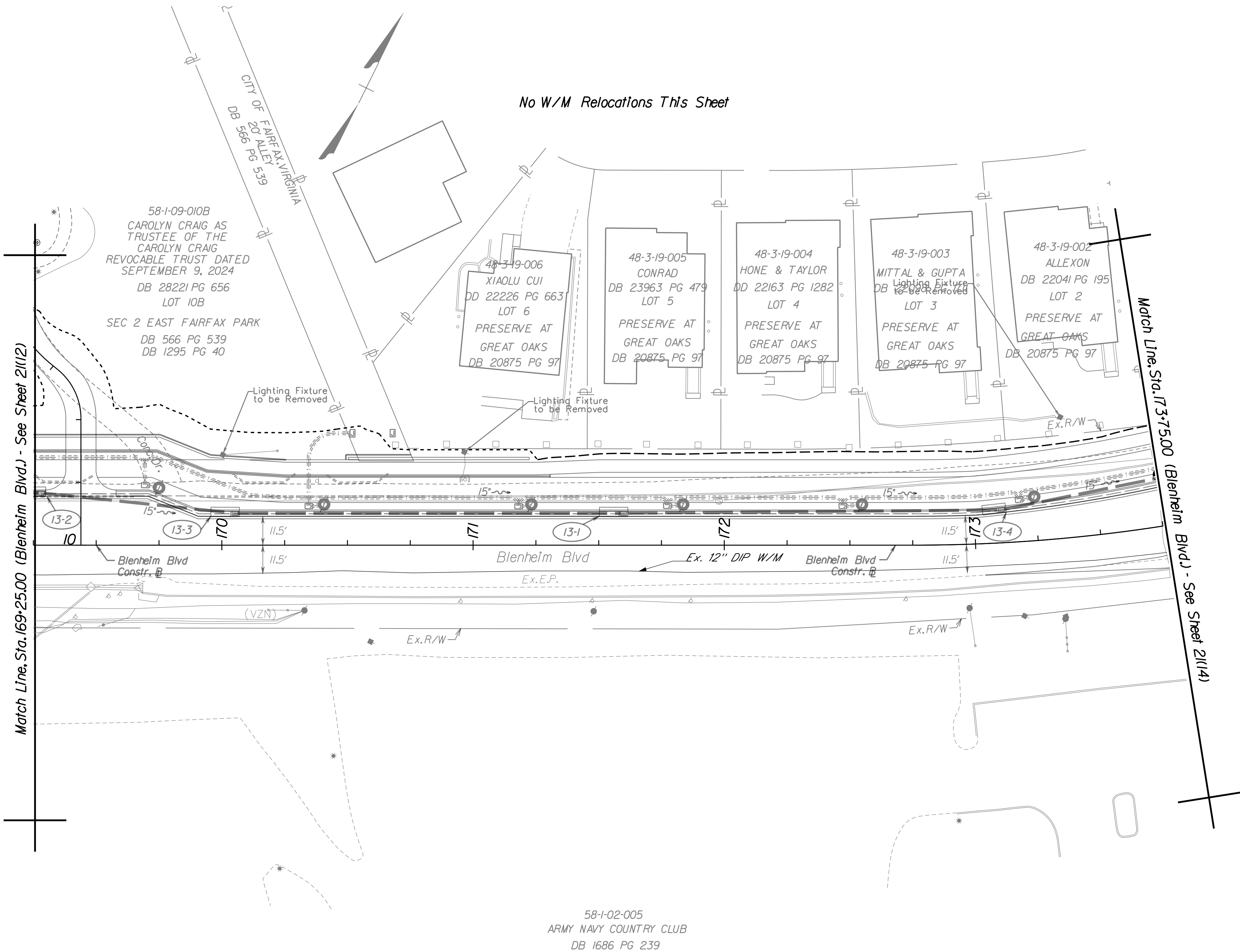
Survey Control Data Sheet	IF
Geometric Data Sheet	IG(12)
Horizontal Constr. Alignment Data	IG(1A) - IG(1E)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	12A
Profile Great Oaks Dr., Entrances	12B

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-154-R94	2(12)

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)*

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	21(13)

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	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

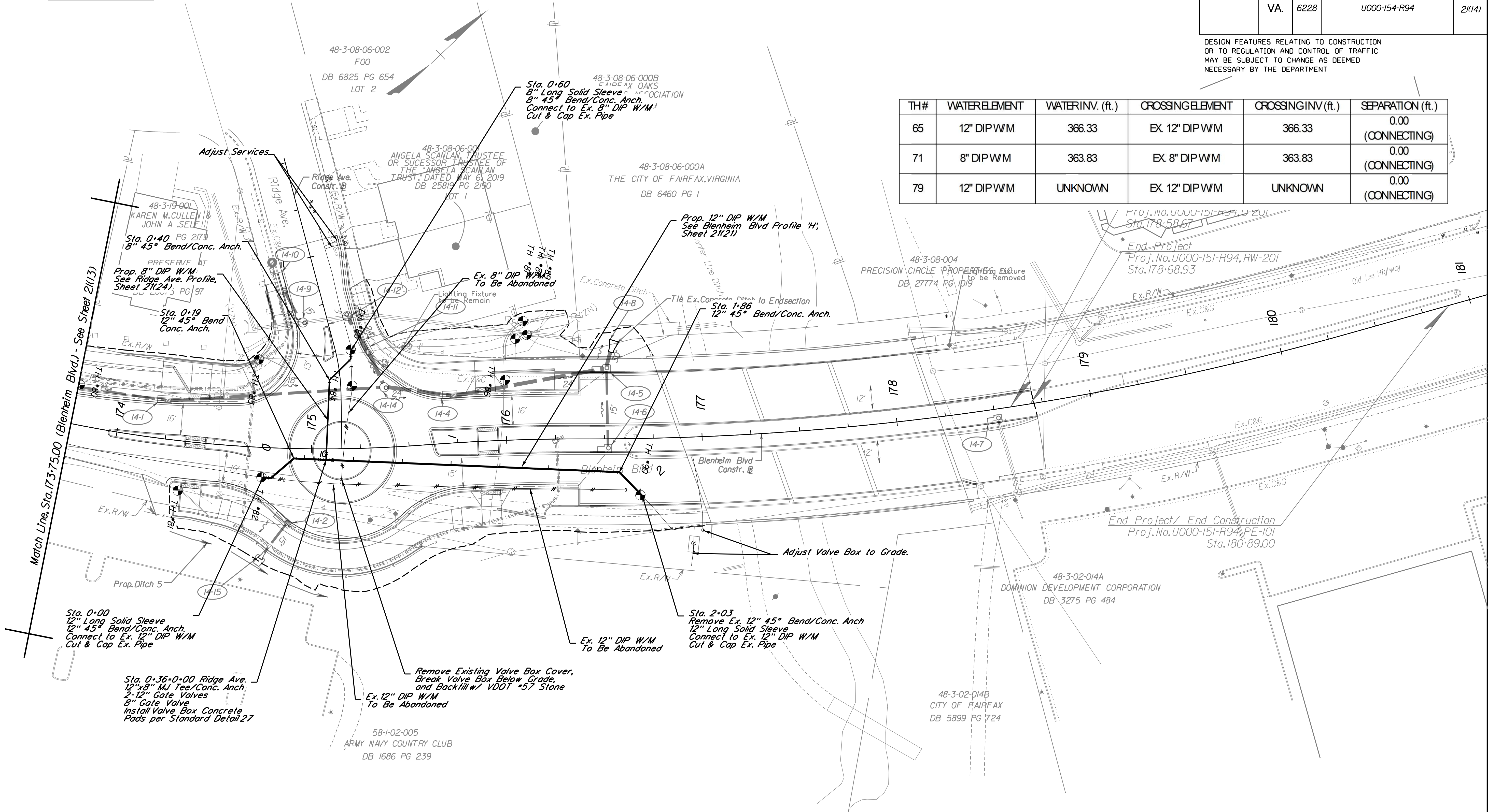
SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-154-R94	21(13)

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougallis, 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)

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

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

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)



100% PLANS

FAIRFAX WATER
BLENHEIM BOULEVARD
WATER SYSTEM ADJUSTMENTS
FW PROJECT 2755, DIVISION 1

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.)

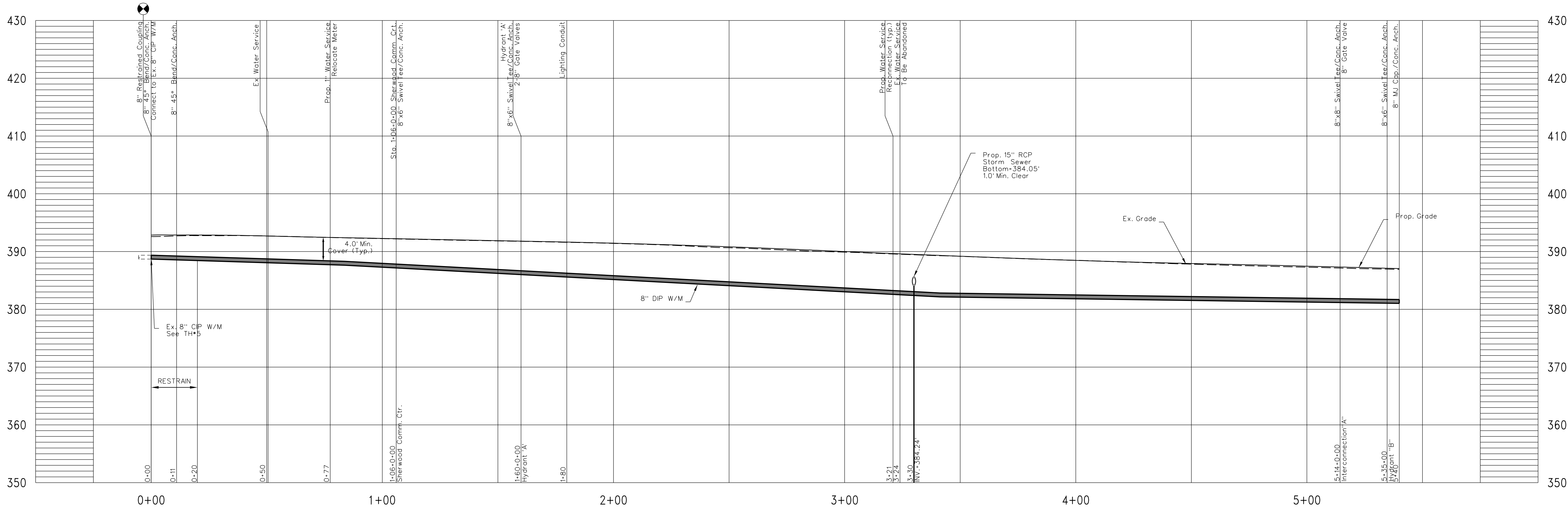
Survey Control Data Sheet	IF
Geometric Data Sheet	IG(14)
Horizontal Constr. Alignment Data	IG(1A) - IG(1E)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	14A
Profile Ridge Avenue	14B

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-154-R94	2(14)

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)*

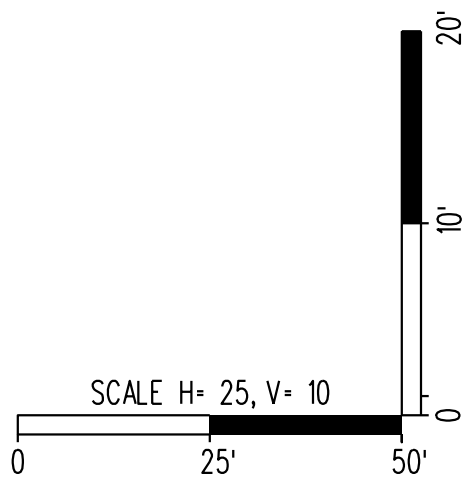
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	

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

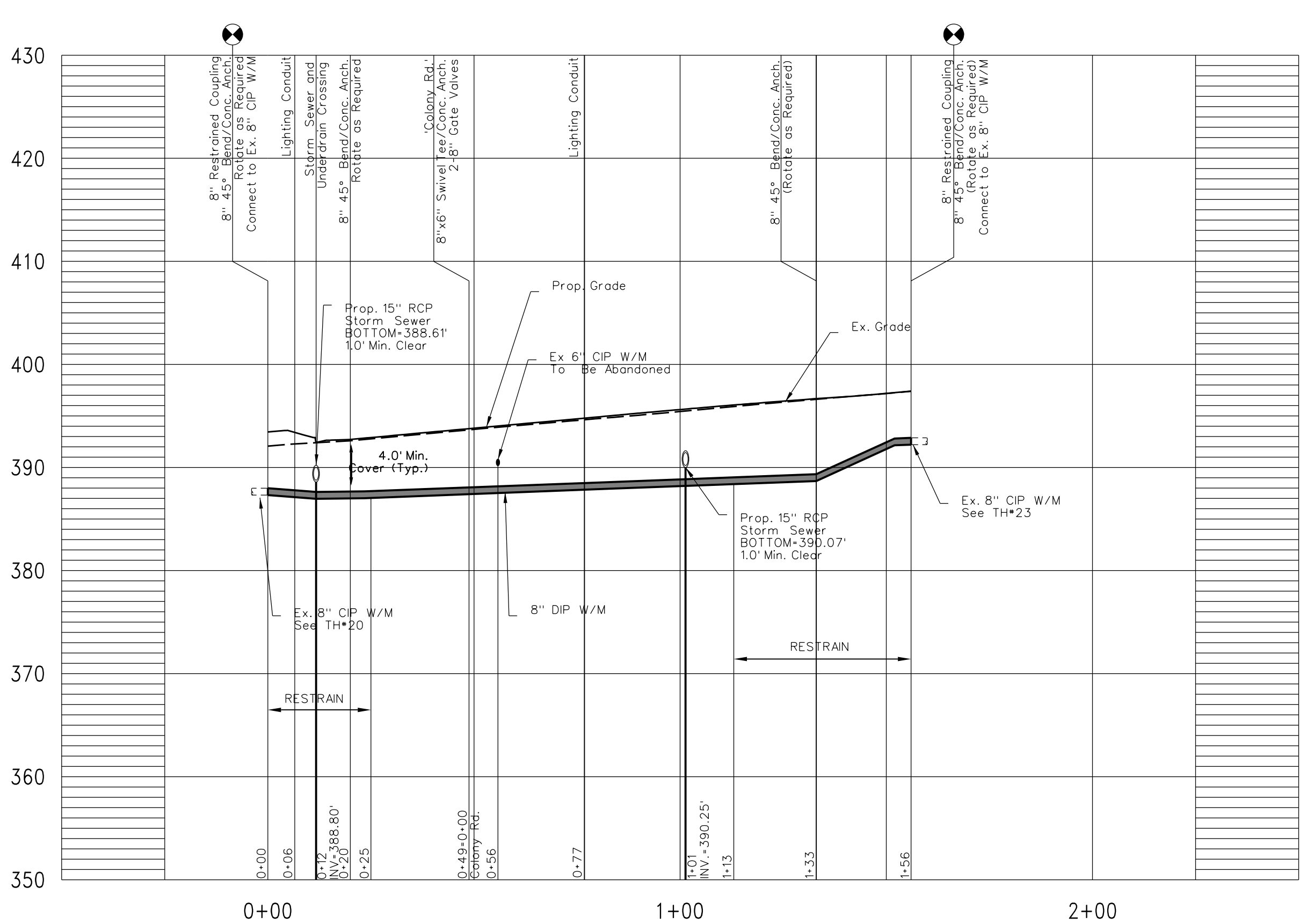
Proposed Test Hole Location

PROJECT	SHEET NO.
U000-154-R94	21(15)

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)*

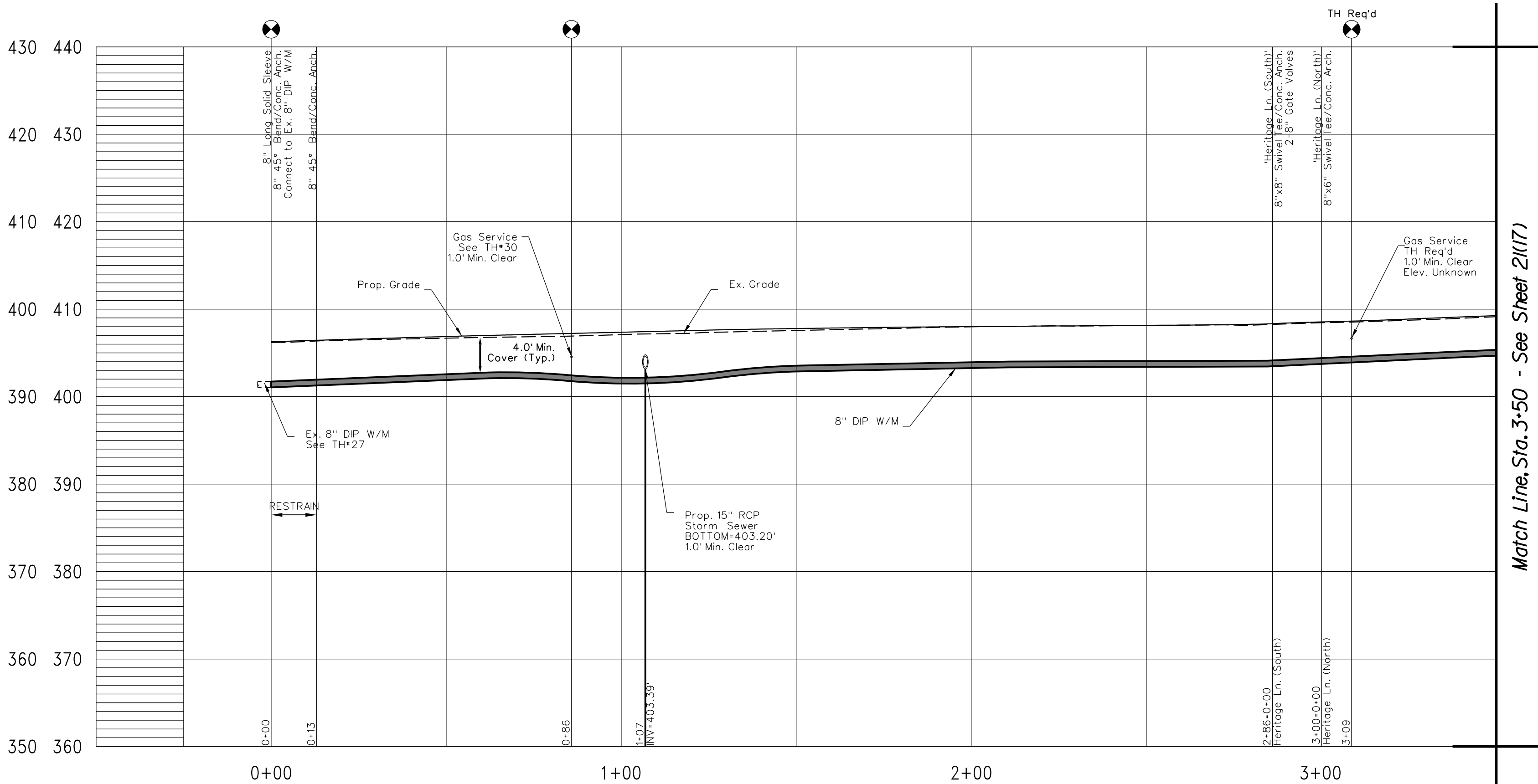
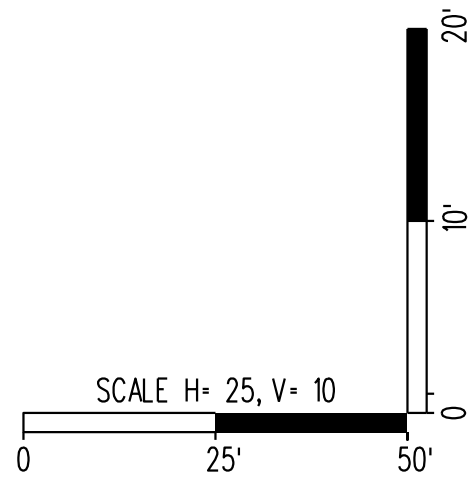
REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	6228	U000-154-R94	21(16)

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)

Match Line, Sta. 3+50 - See Sheet 21(17)

100% PLANS

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

Legend

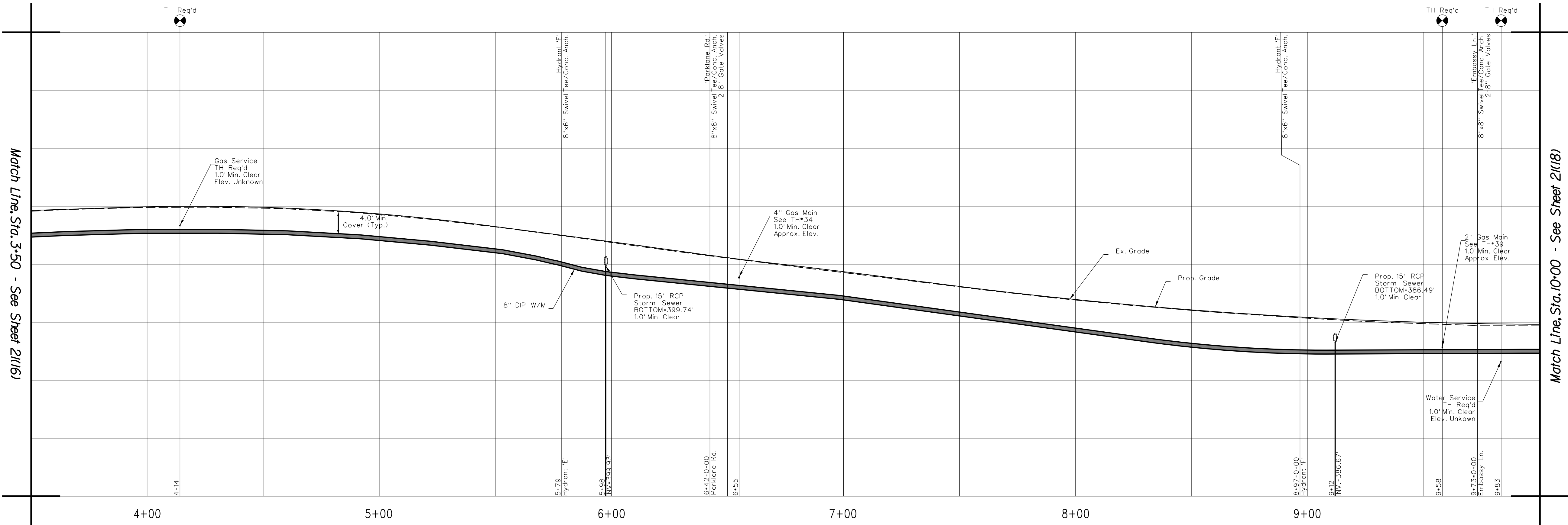
Proposed Test Hole Location

PROJECT U000-154-R94	SHEET NO. 21(16)
-------------------------	---------------------

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)*

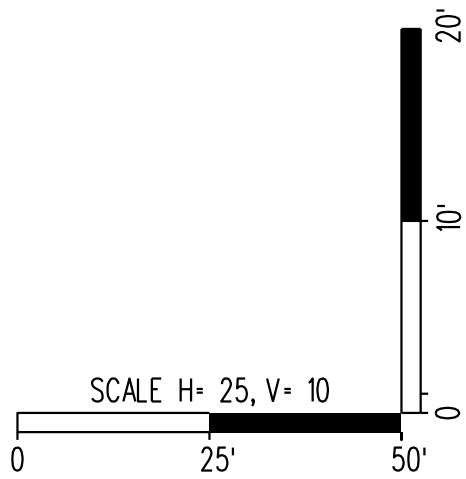
REVISED	STATE	ROUTE	STATE	SHEET NO.
			PROJECT	
	VA.	6228	U000-154-R94	21(17)

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



BLEMHEIM BOULEVARD PROFILE "C"

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



100% PLANS

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

Legend

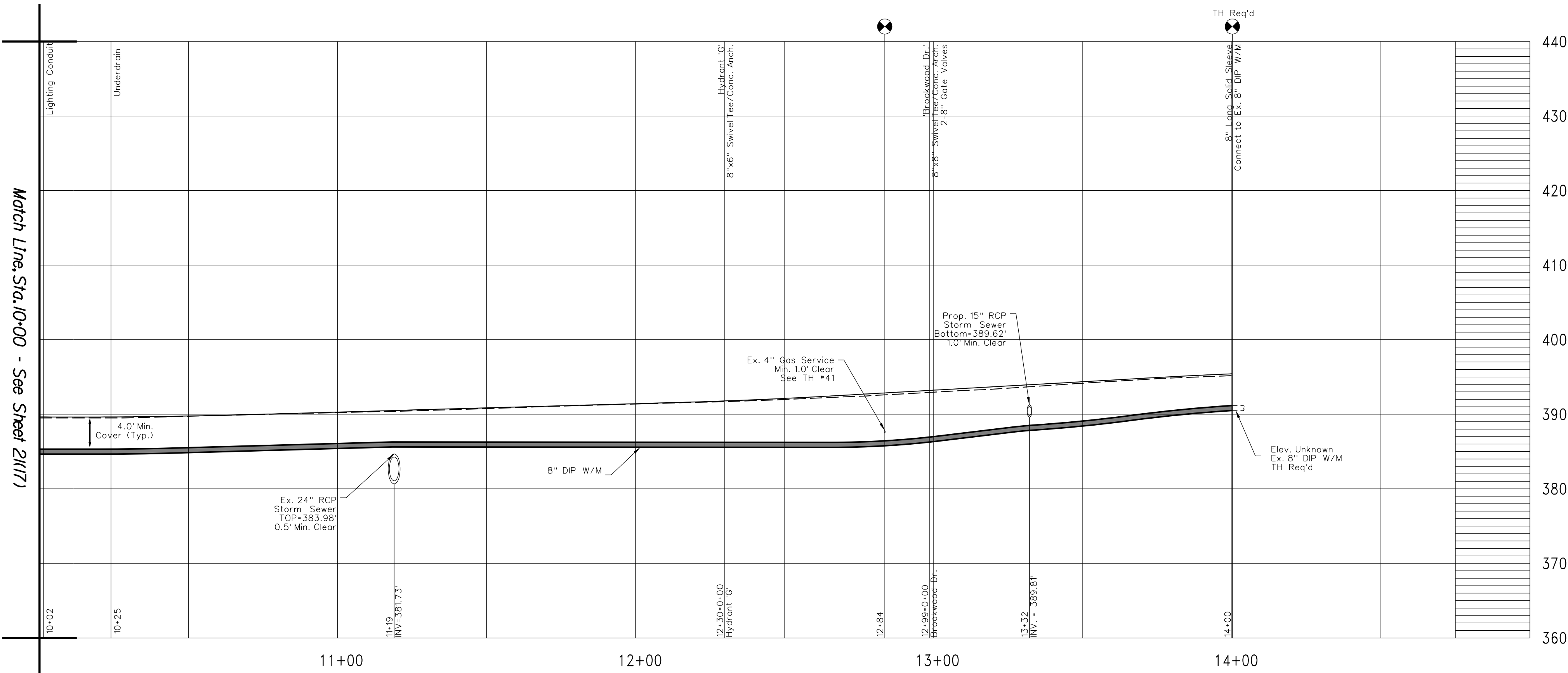
Proposed Test Hole Location

PROJECT	SHEET NO.
U000-154-R94	21(17)

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)*

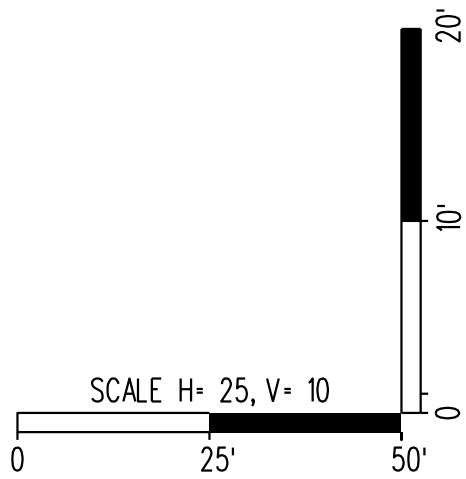
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	

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 21(7) & 21(8)



100% PLANS

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

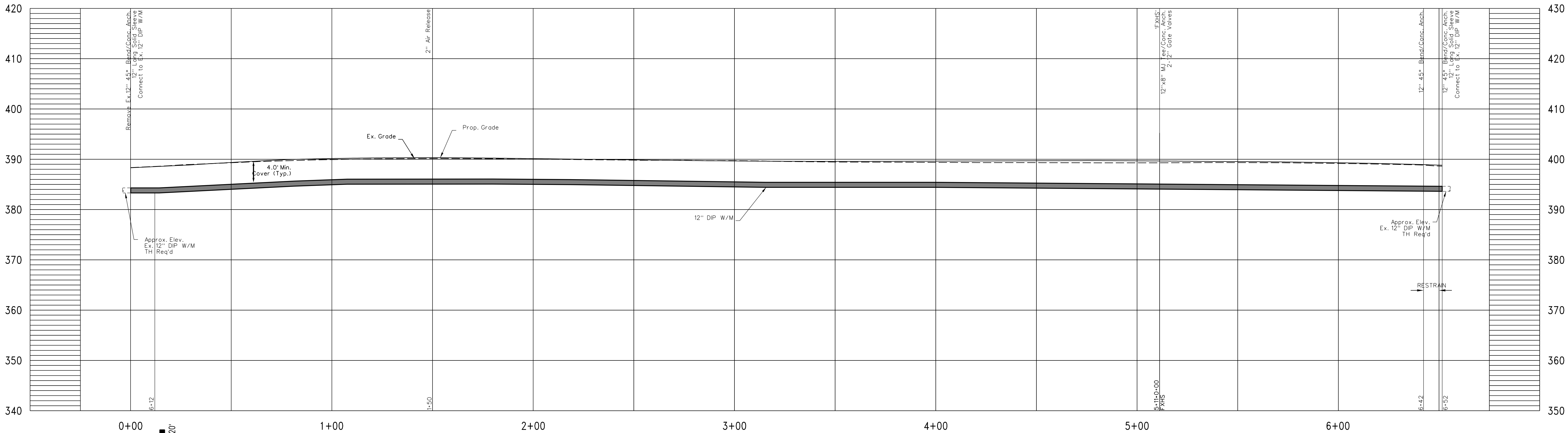
Legend
Proposed Test Hole Location

PROJECT U000-154-R94	SHEET NO. 21(18)
-------------------------	---------------------

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)*

REVISED	STATE	ROUTE	STATE	SHEET NO.
			PROJECT	
	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

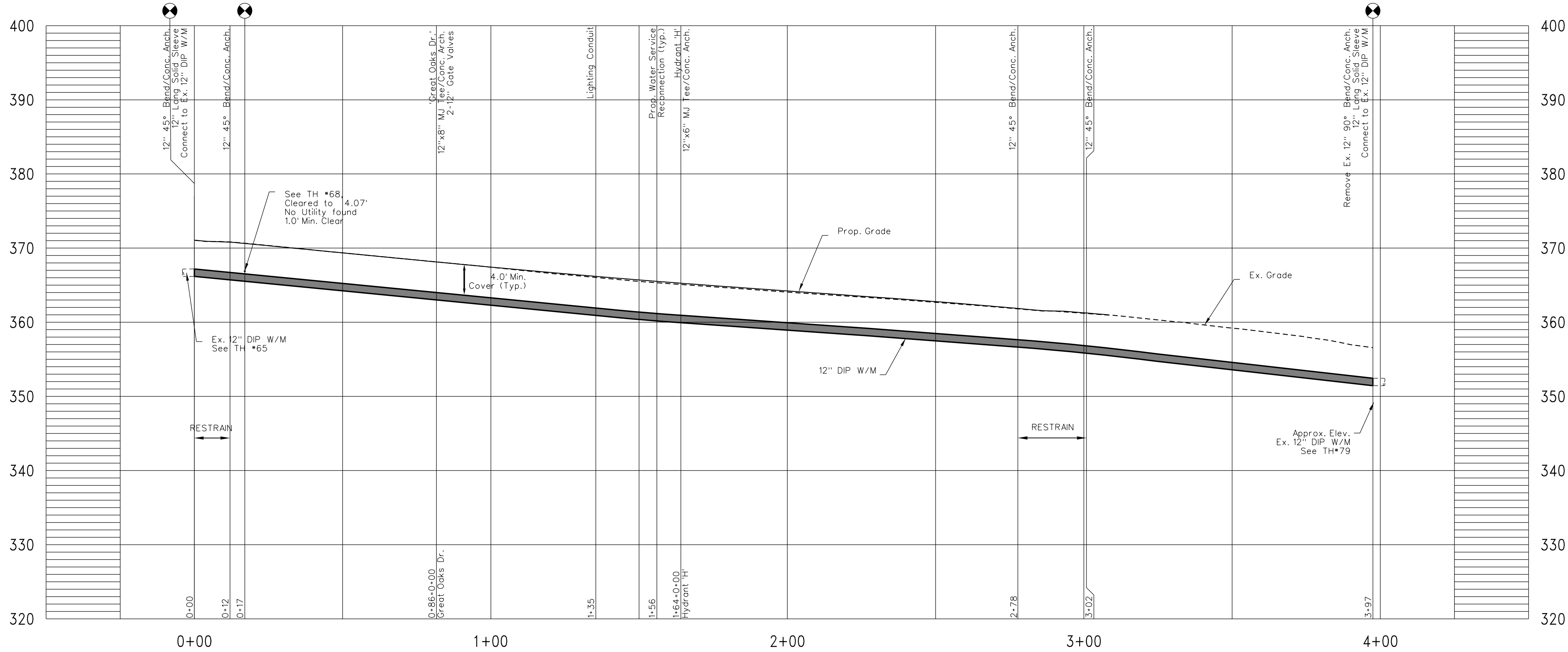
Proposed Test Hole Location

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

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)*

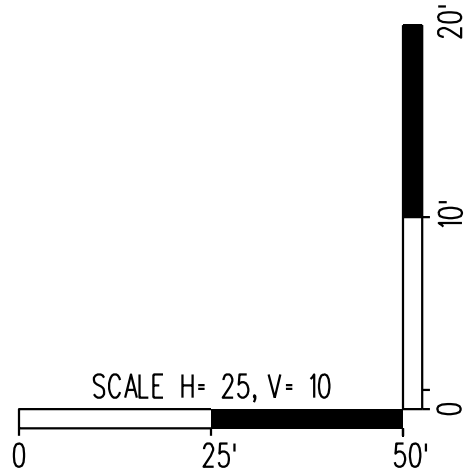
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	

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

4/22/2025

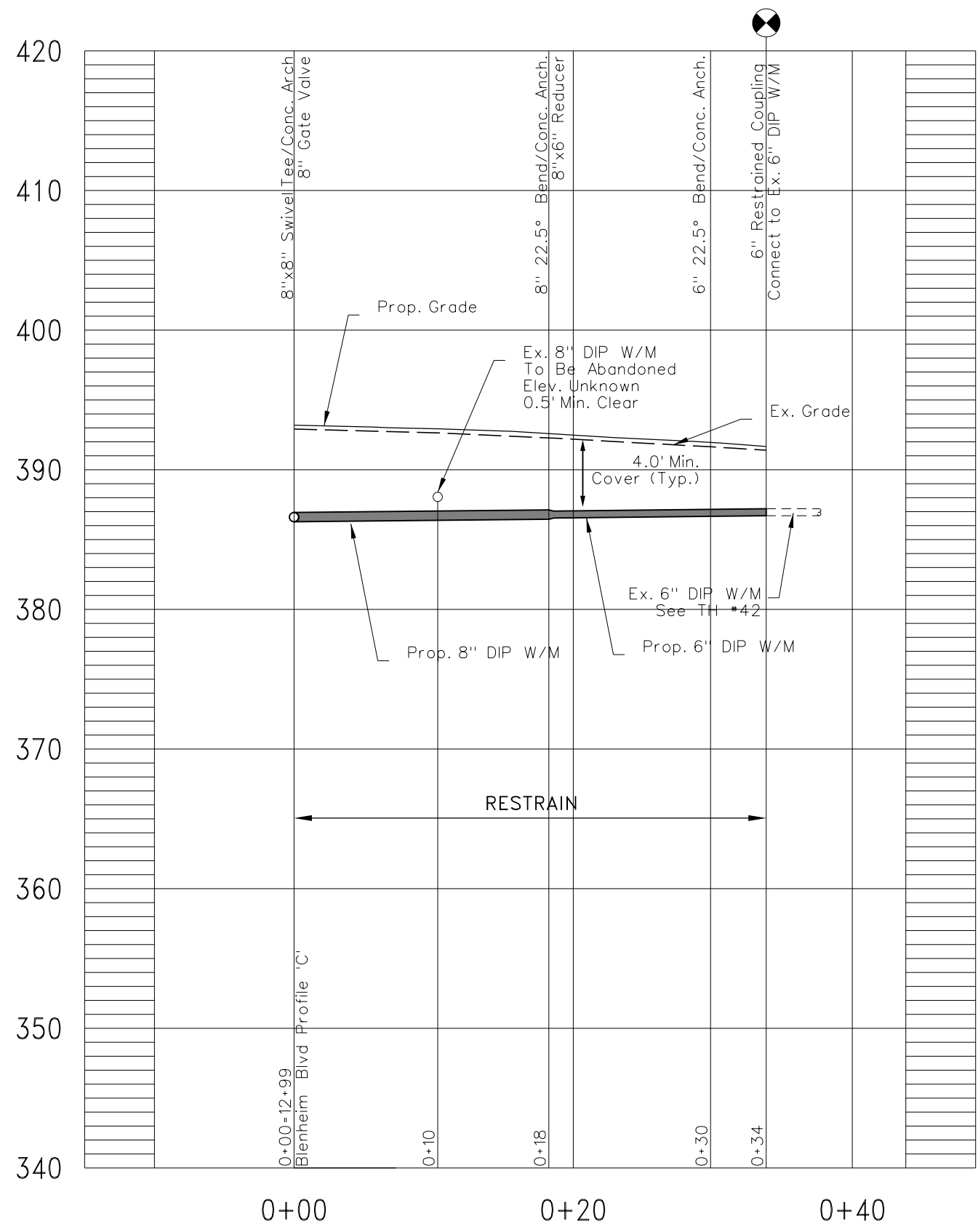
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougallis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	6228	U000-154-R94	21(22)

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)

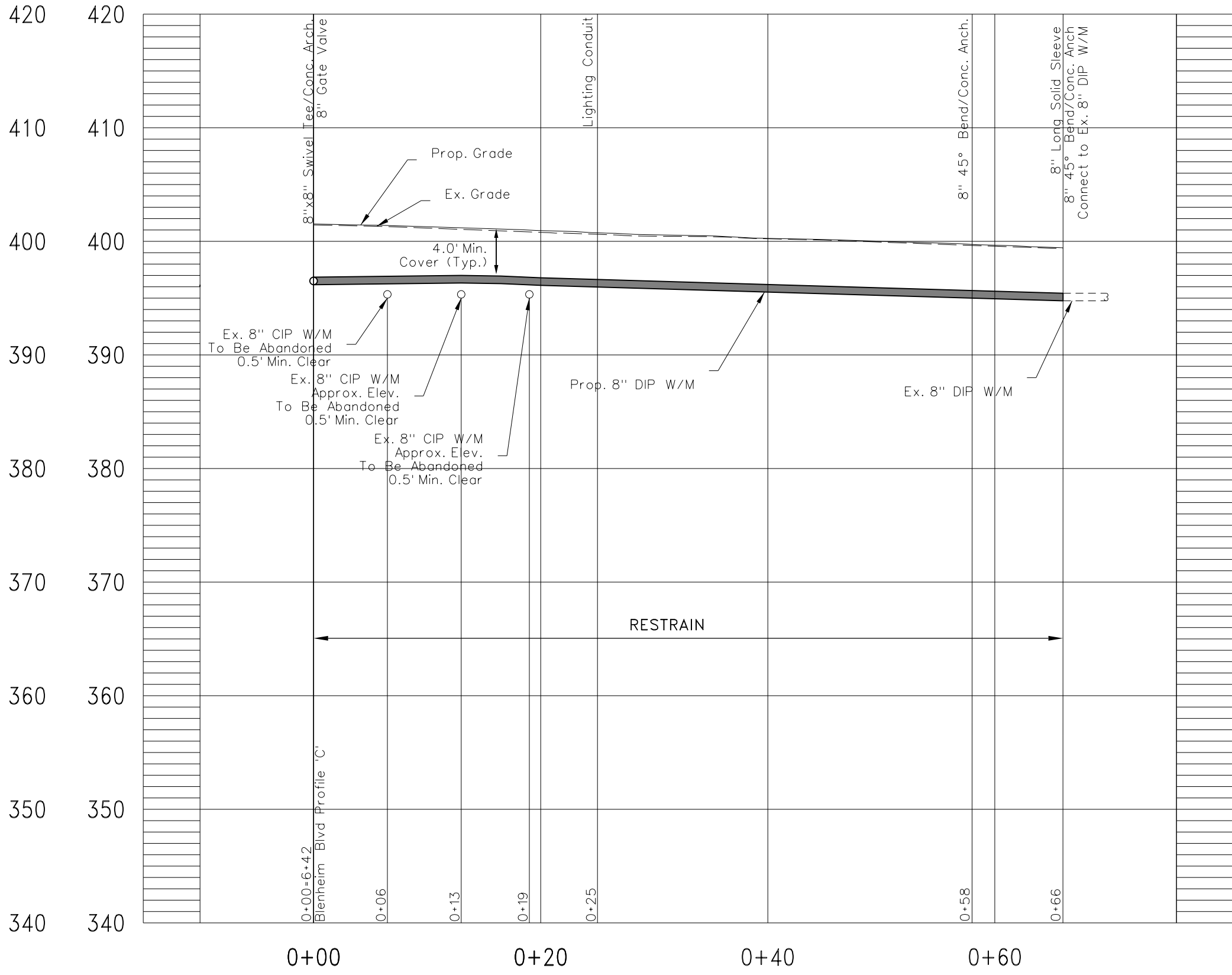
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	

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



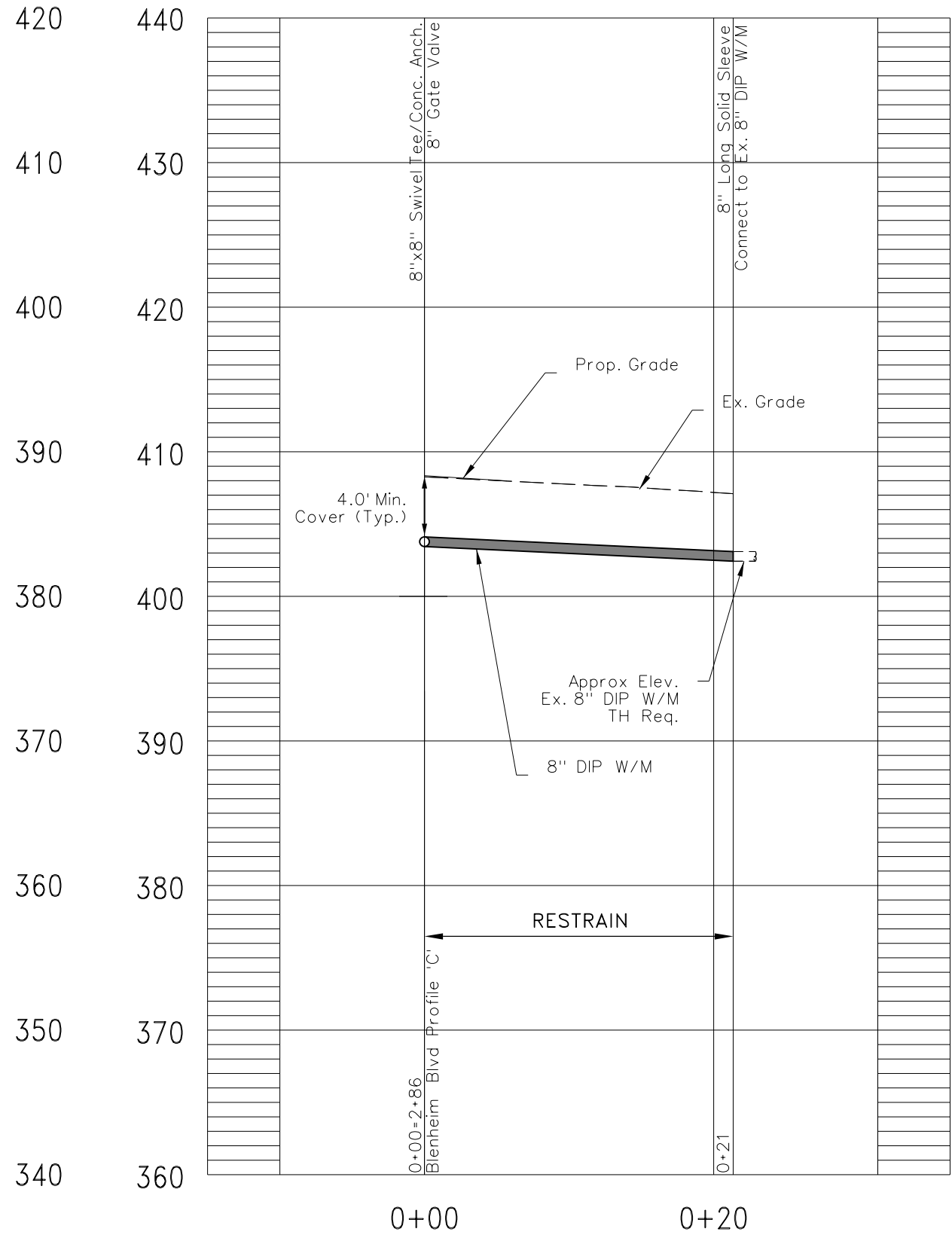
BROOKWOOD DR. PROFILE

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



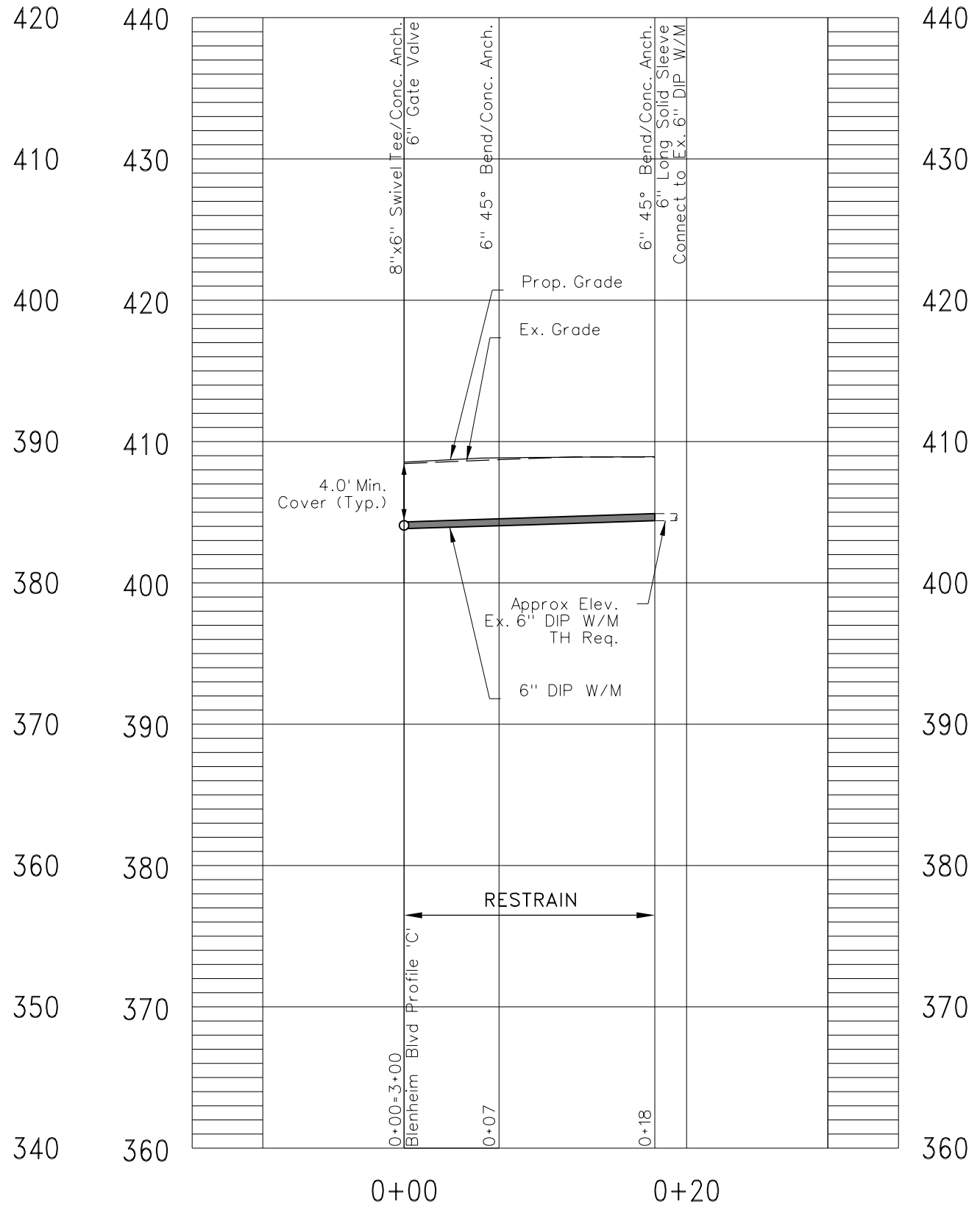
PARKLANE RD. PROFILE

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



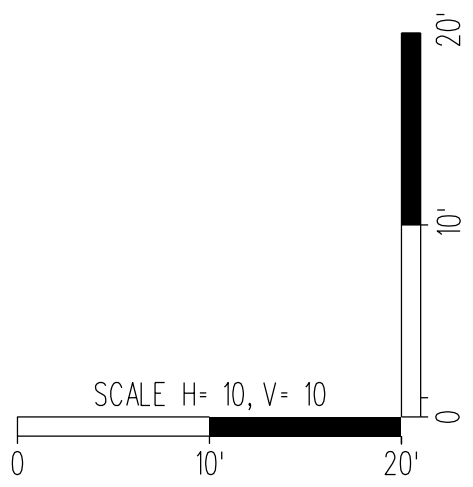
HERITAGE LANE (SOUTH)

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



HERITAGE LANE (NORTH)

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



100% PLANS

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

Legend

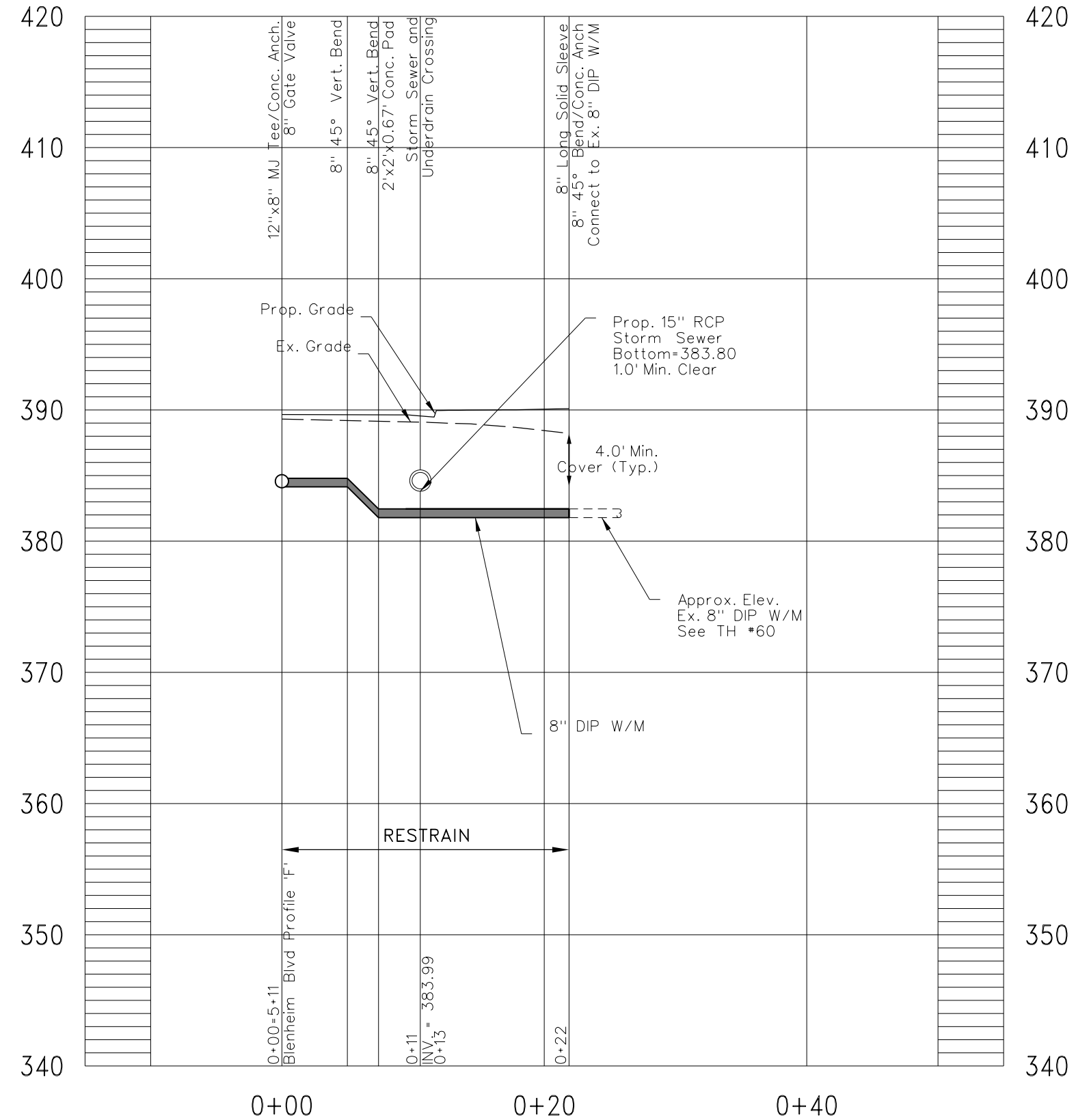
Proposed Test Hole Location

PROJECT U000-154-R94	SHEET NO. 21(23)
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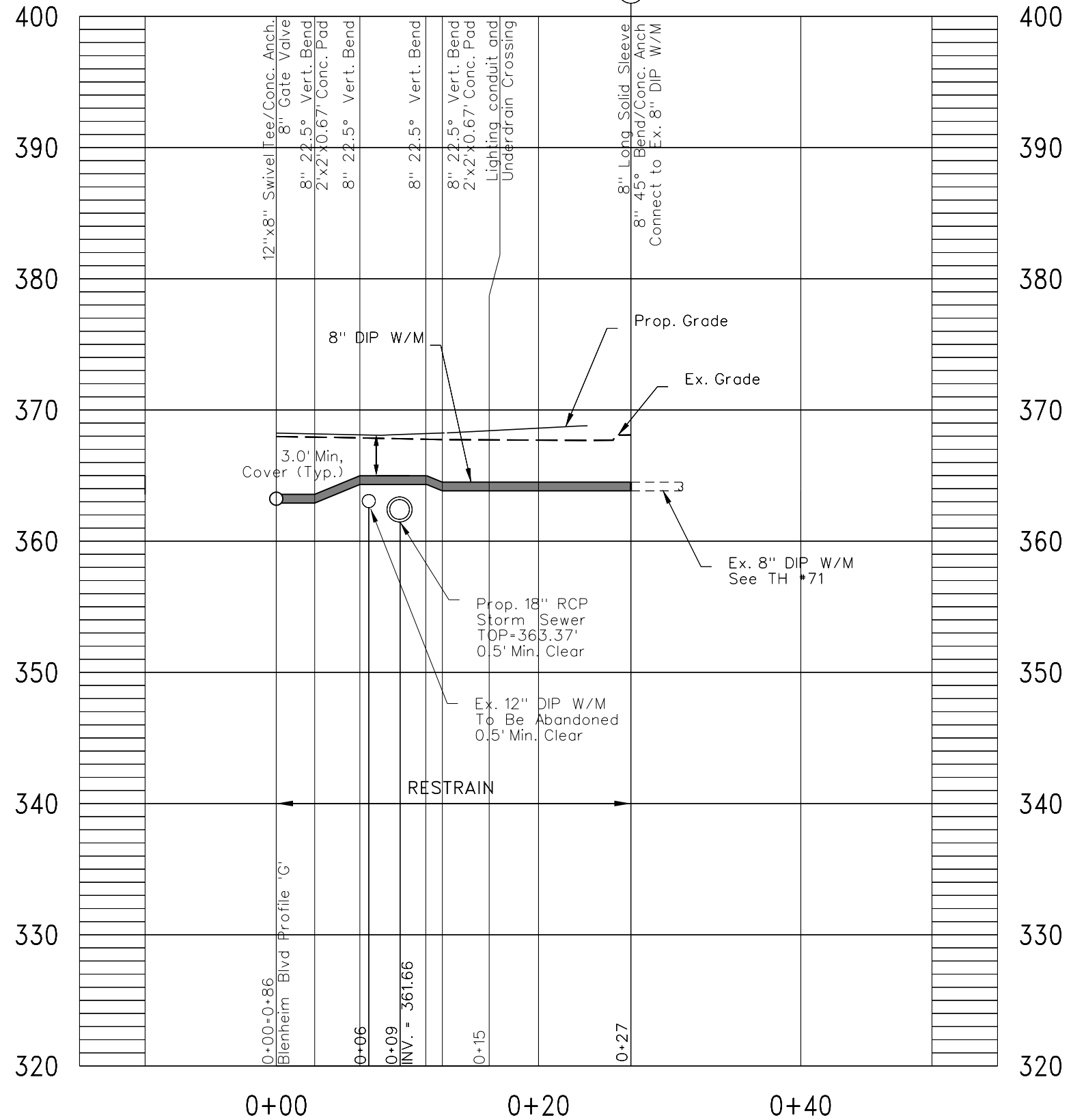
PROJECT MANAGER *Wendy Block Sanford, (703) 385-7889*
SURVEYED BY, DATE *Nick Kougalis, L.S., (703) 368-7373 (2020)*
DESIGN BY *Mark A. Gunn, P.E., (703) 368-7373*
SUBSURFACE UTILITY BY, DATE *Accumark, (800) 542-2990 (2015)*

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

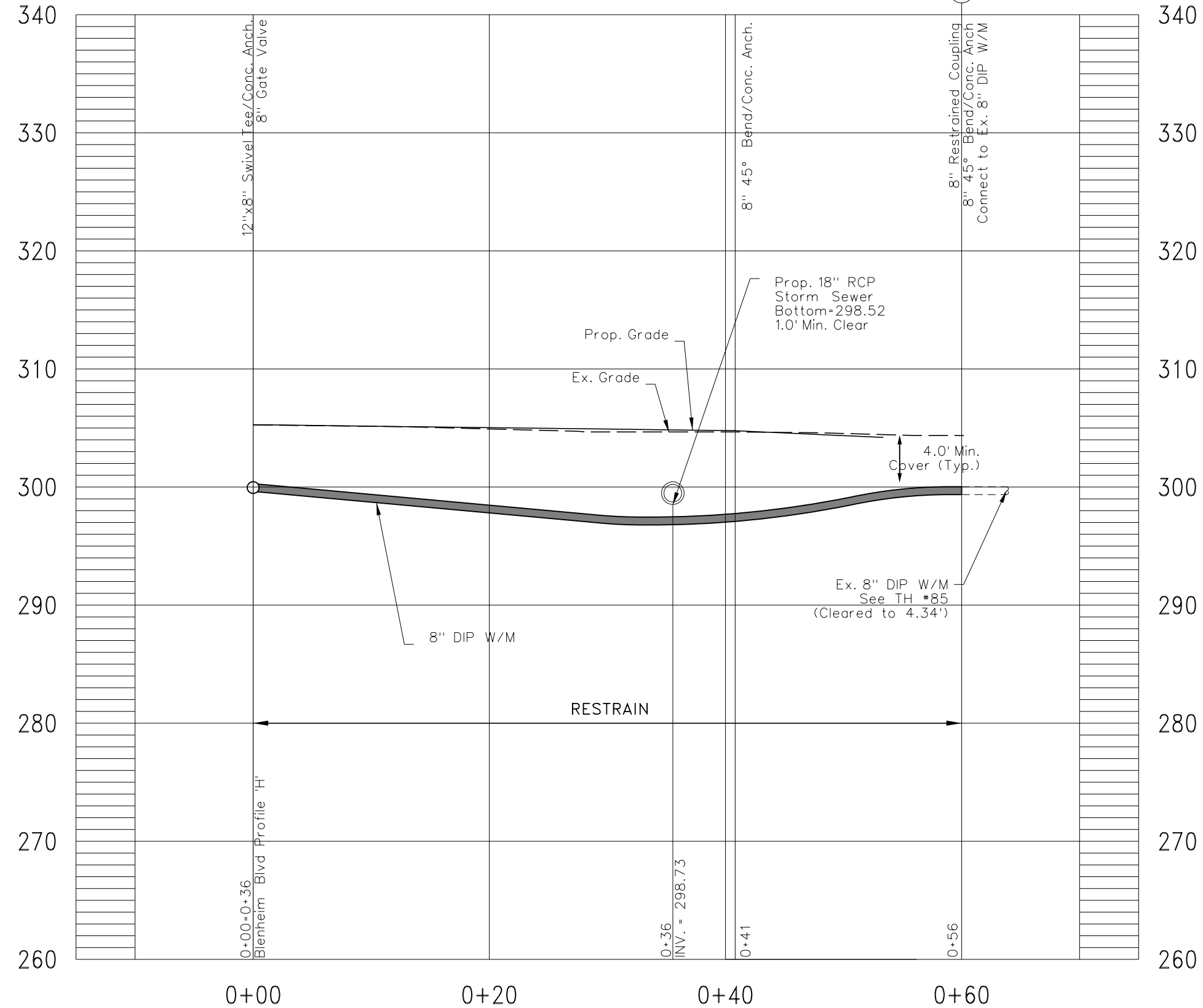
DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT



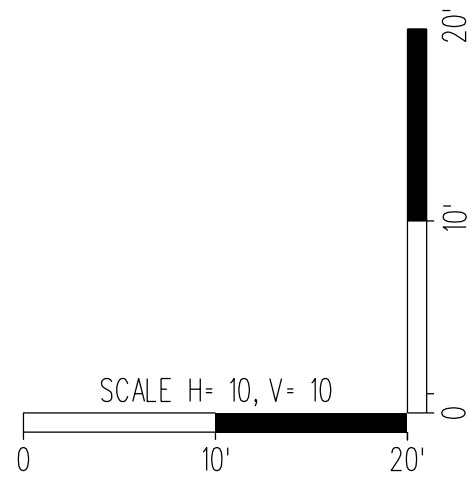
FXHS PROFILE
Scale: 1"=10' Horiz. ; 1"=10' Vert.
See Plan Sheet 21(11)



GREAT OAKS DR. PROFILE
Scale: 1"=10' Horiz. ; 1"=10' Vert.
See Plan Sheet 21(12)



RIDGE AVE. PROFILE
Scale: 1"=10' Horiz. ; 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	21(24)

100% PLANS

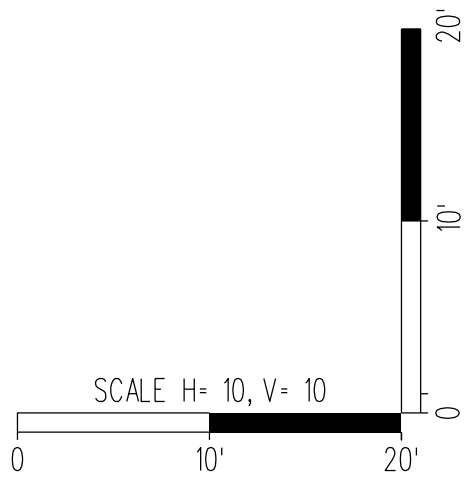
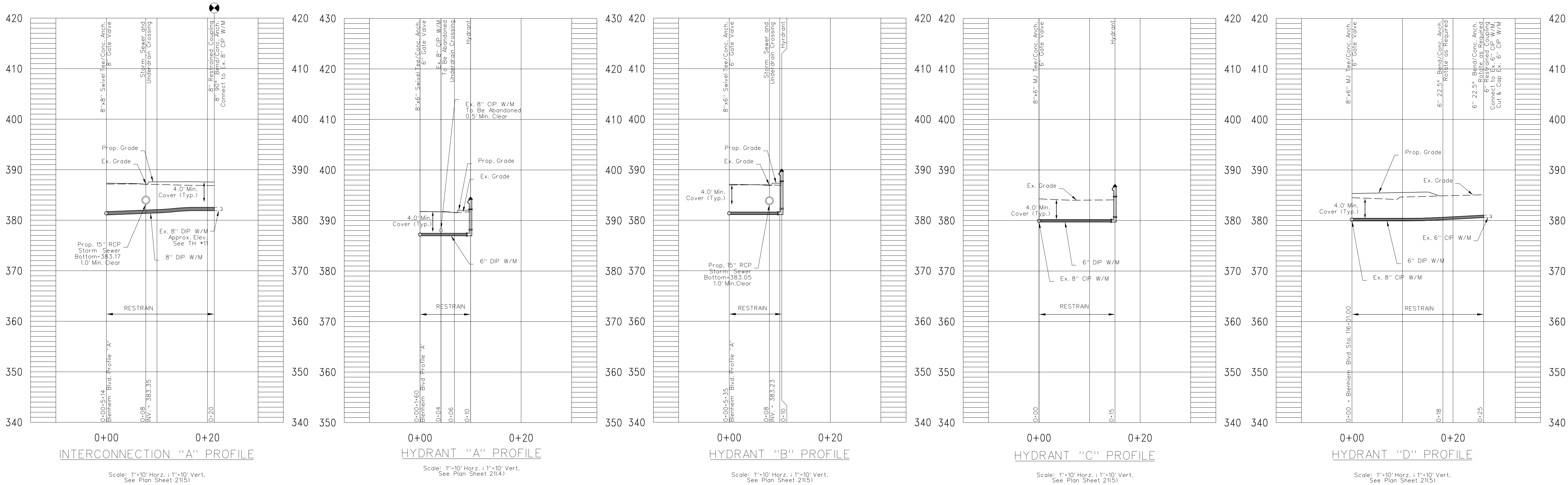
THESE PLANS ARE UNFINISHED AND UNAPPROVED
AND ARE NOT TO BE USED FOR CONSTRUCTION.

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)*

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

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
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NECESSARY BY THE DEPARTMENT



100% PLANS

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

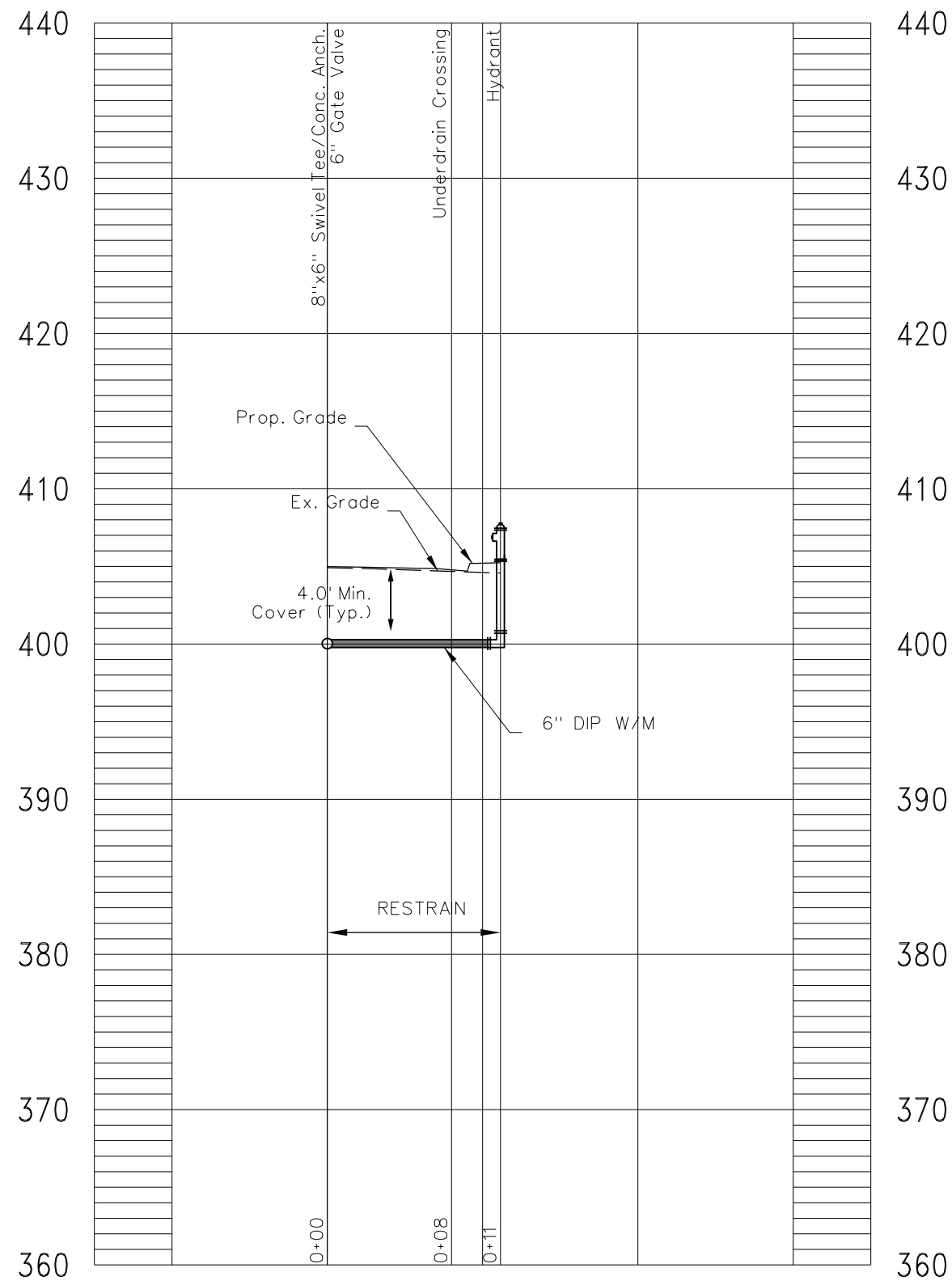
Legend

Proposed Test Hole Location

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)*

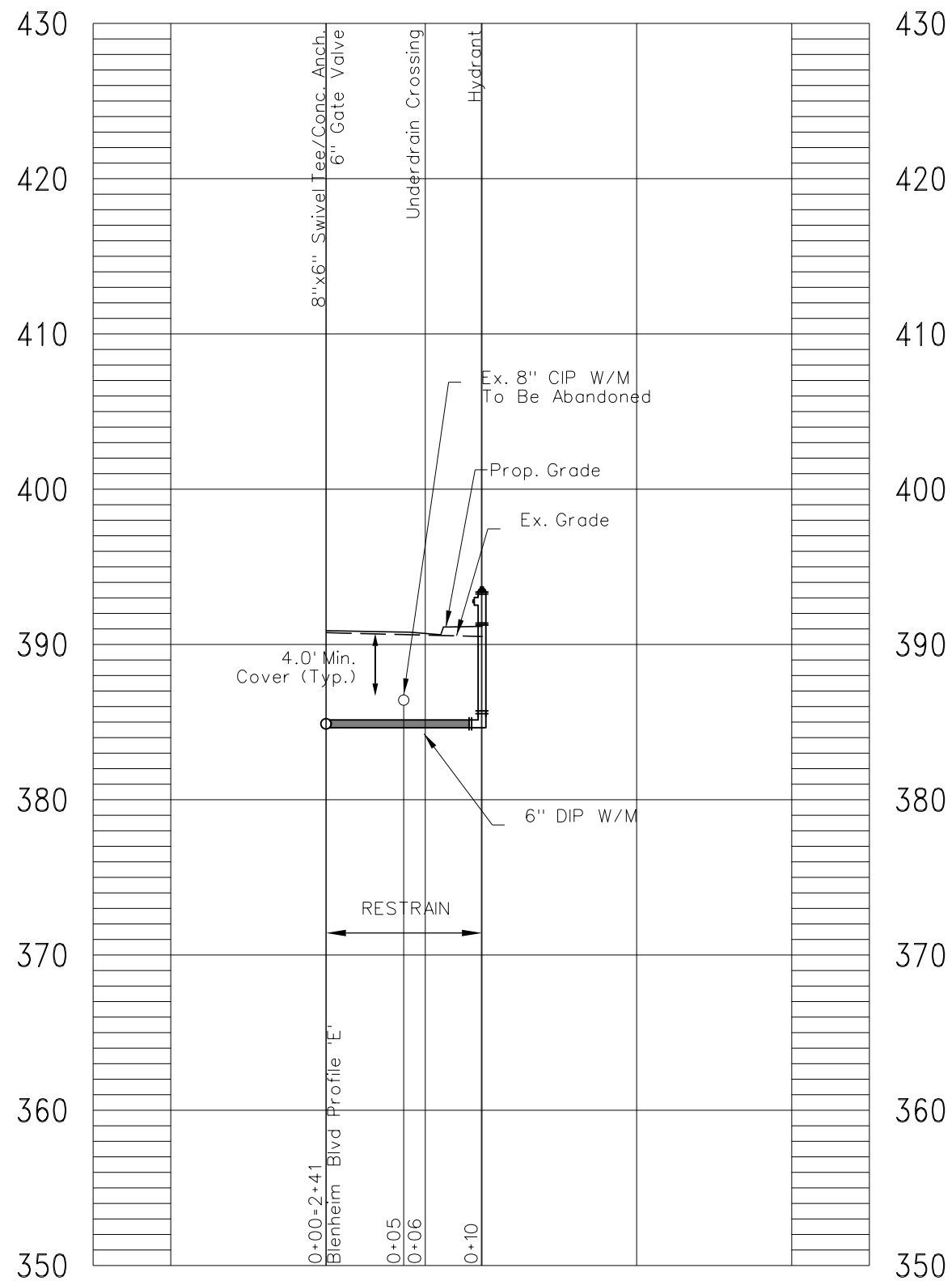
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	

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



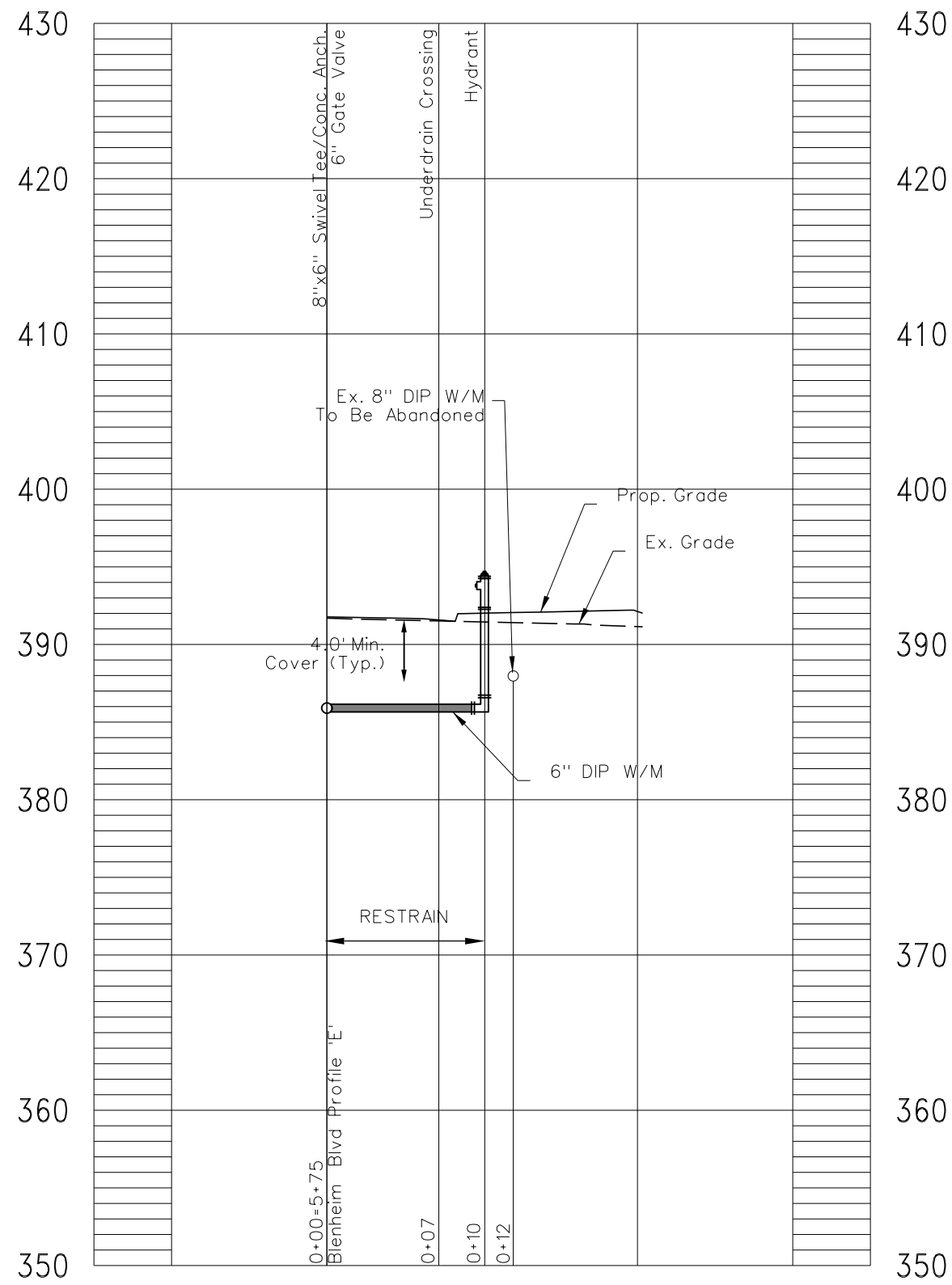
HYDRANT "E" PROFILE

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



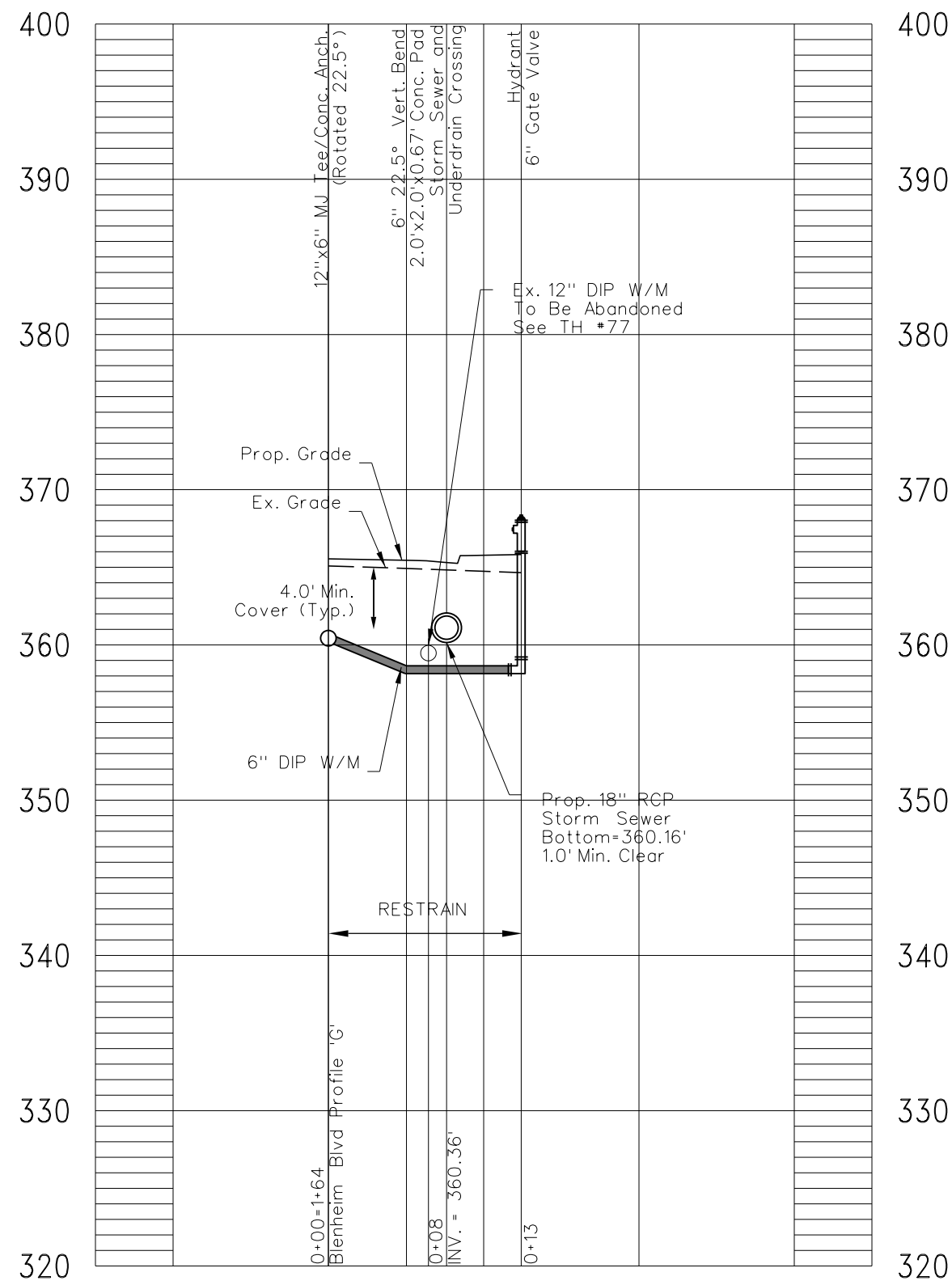
HYDRANT "F" PROFILE

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



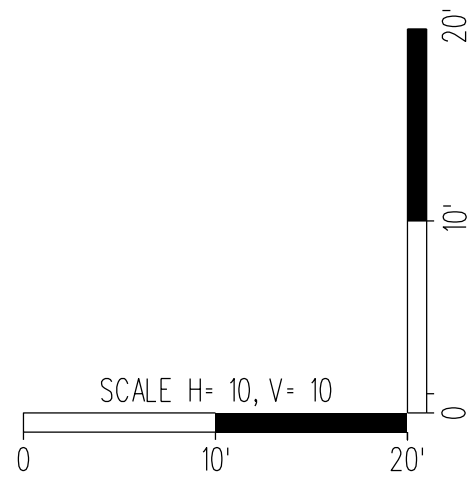
HYDRANT "G" PROFILE

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

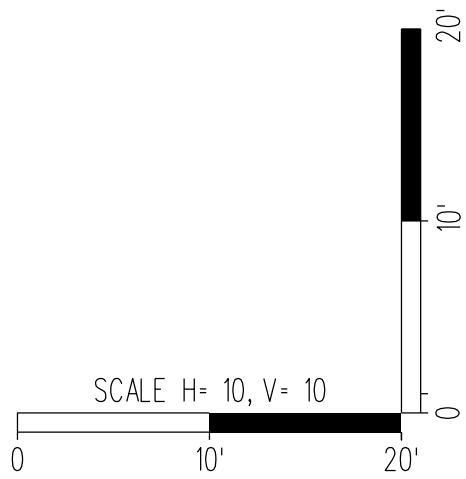
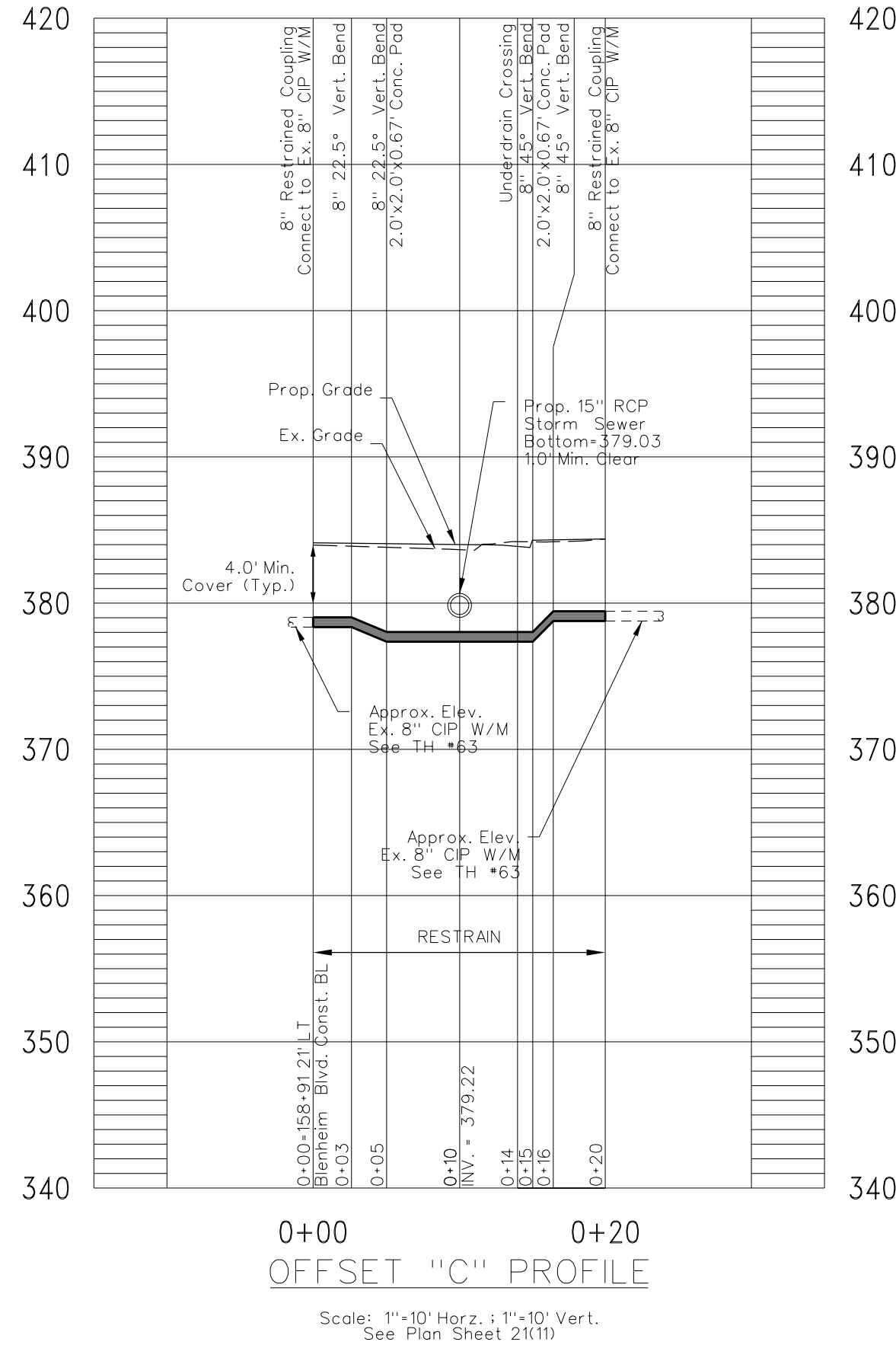
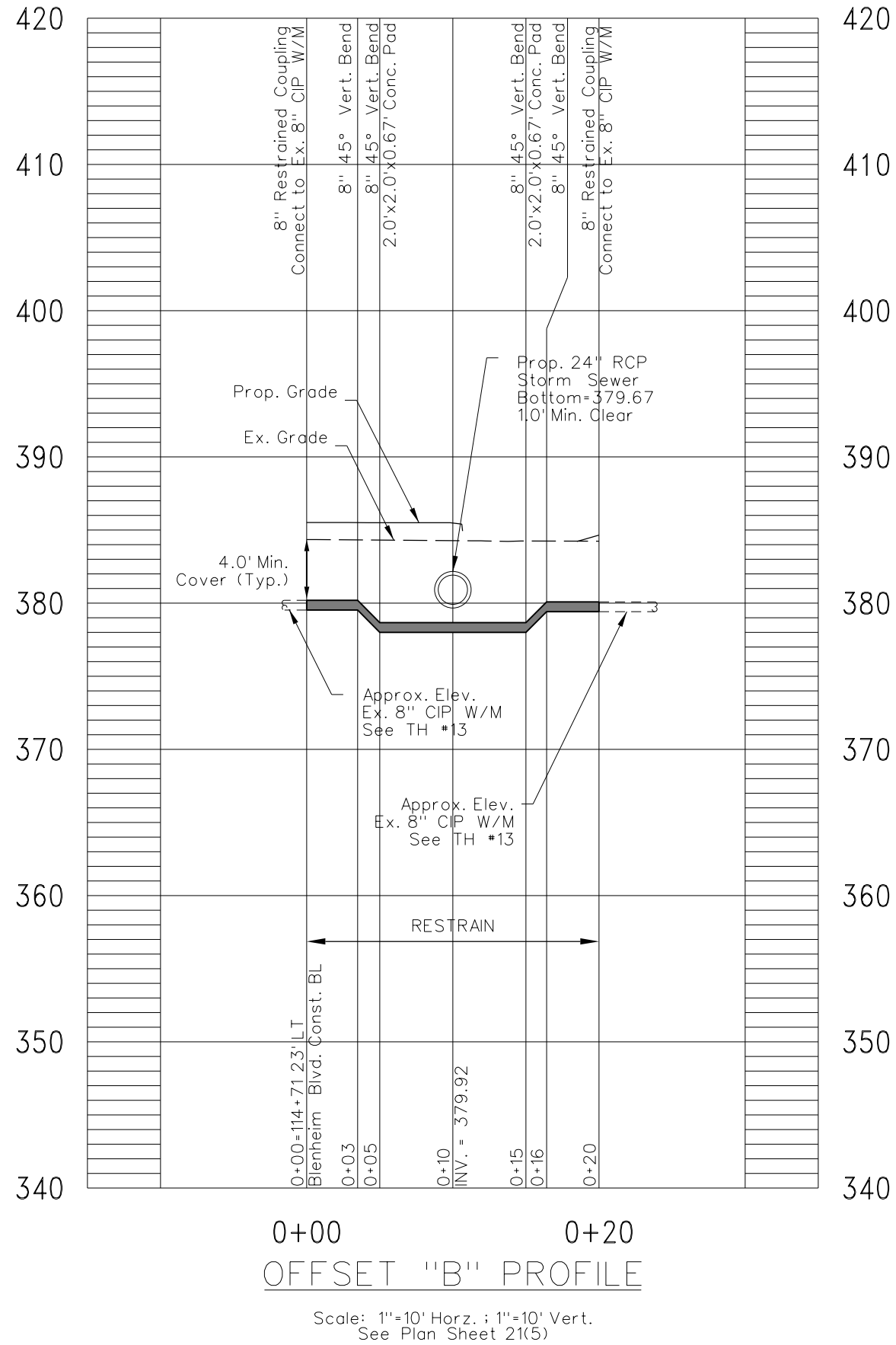
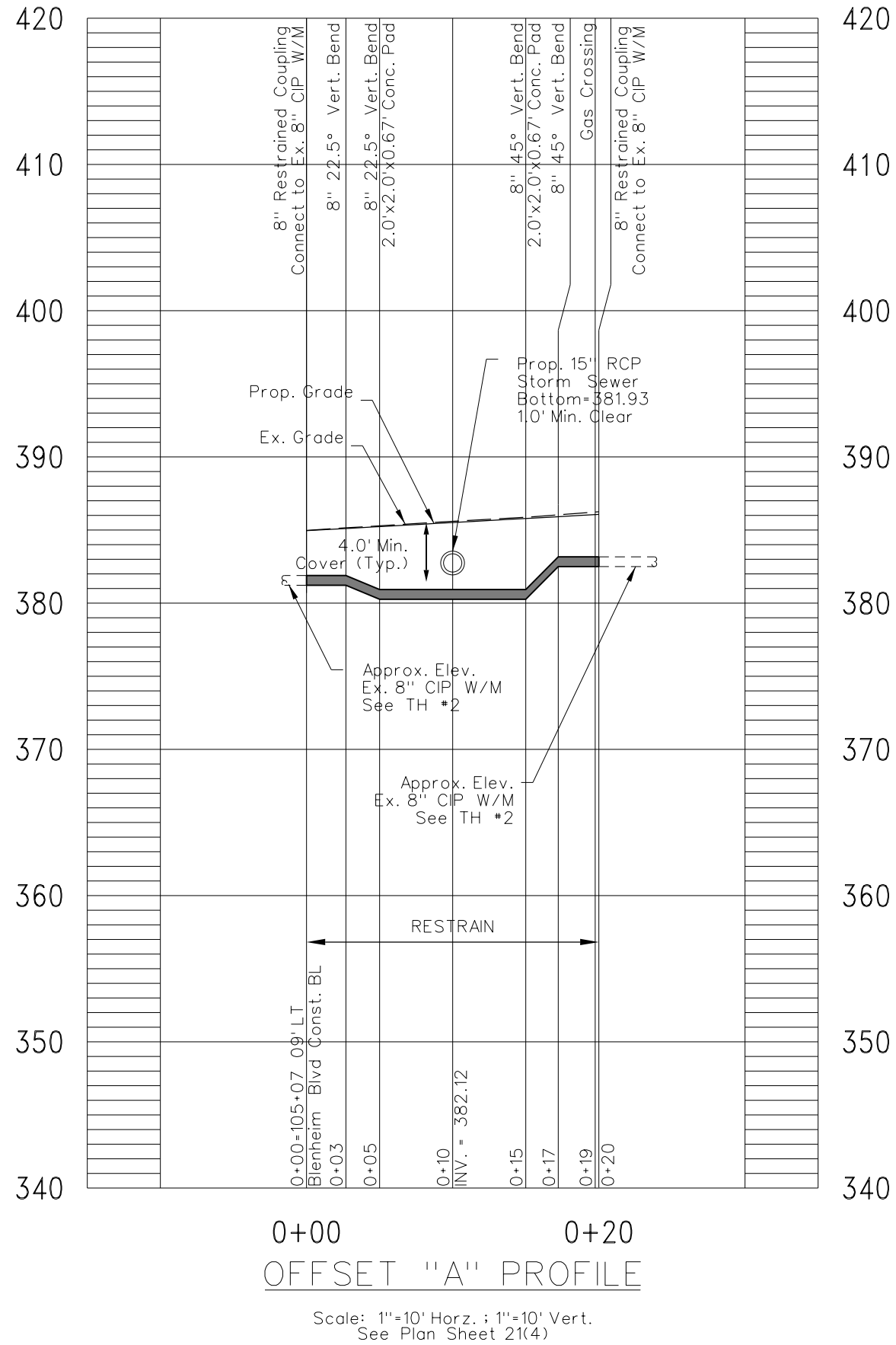
Proposed Test Hole Location

PROJECT U000-154-R94	SHEET NO. 21(26)
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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)*

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

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

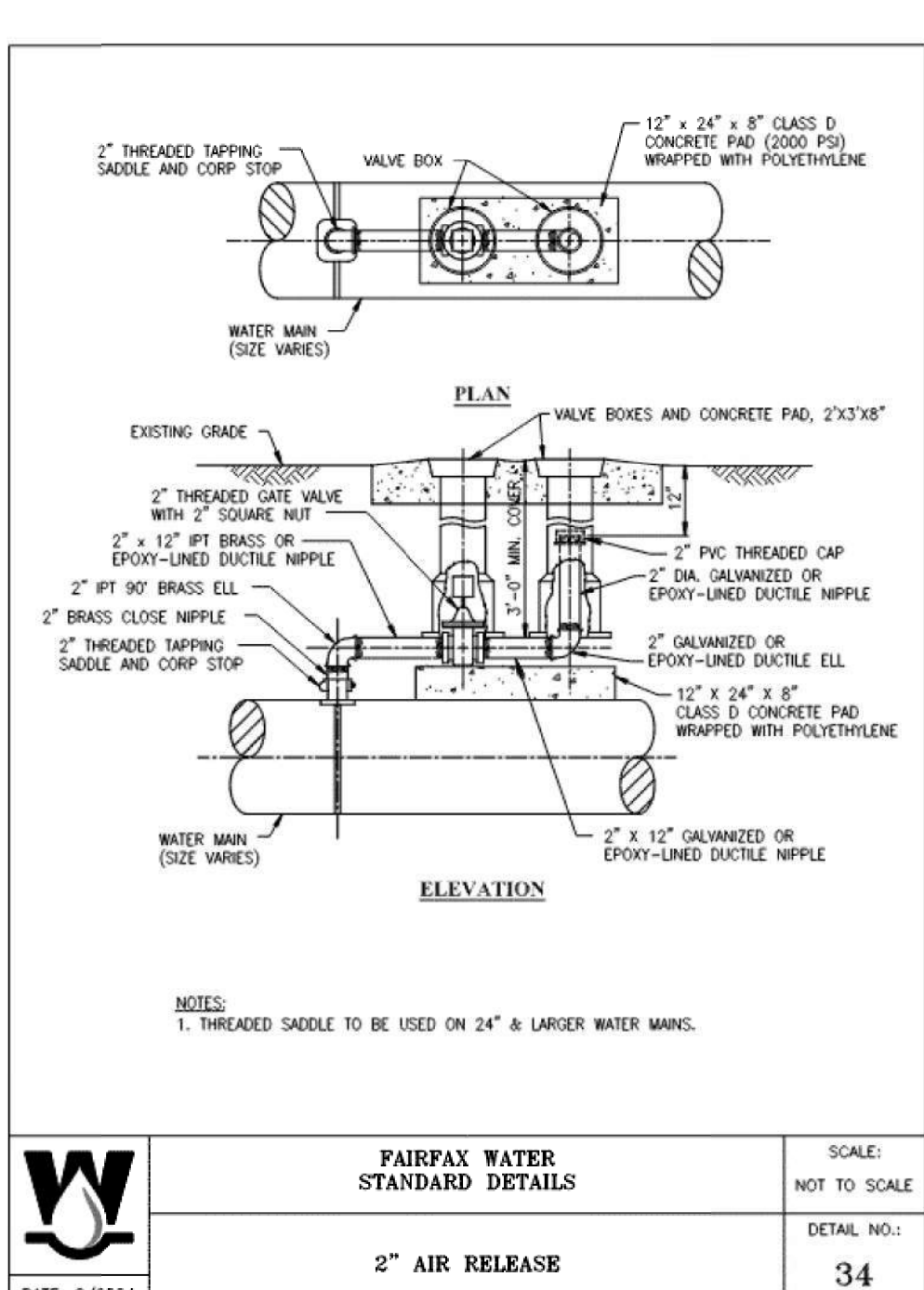
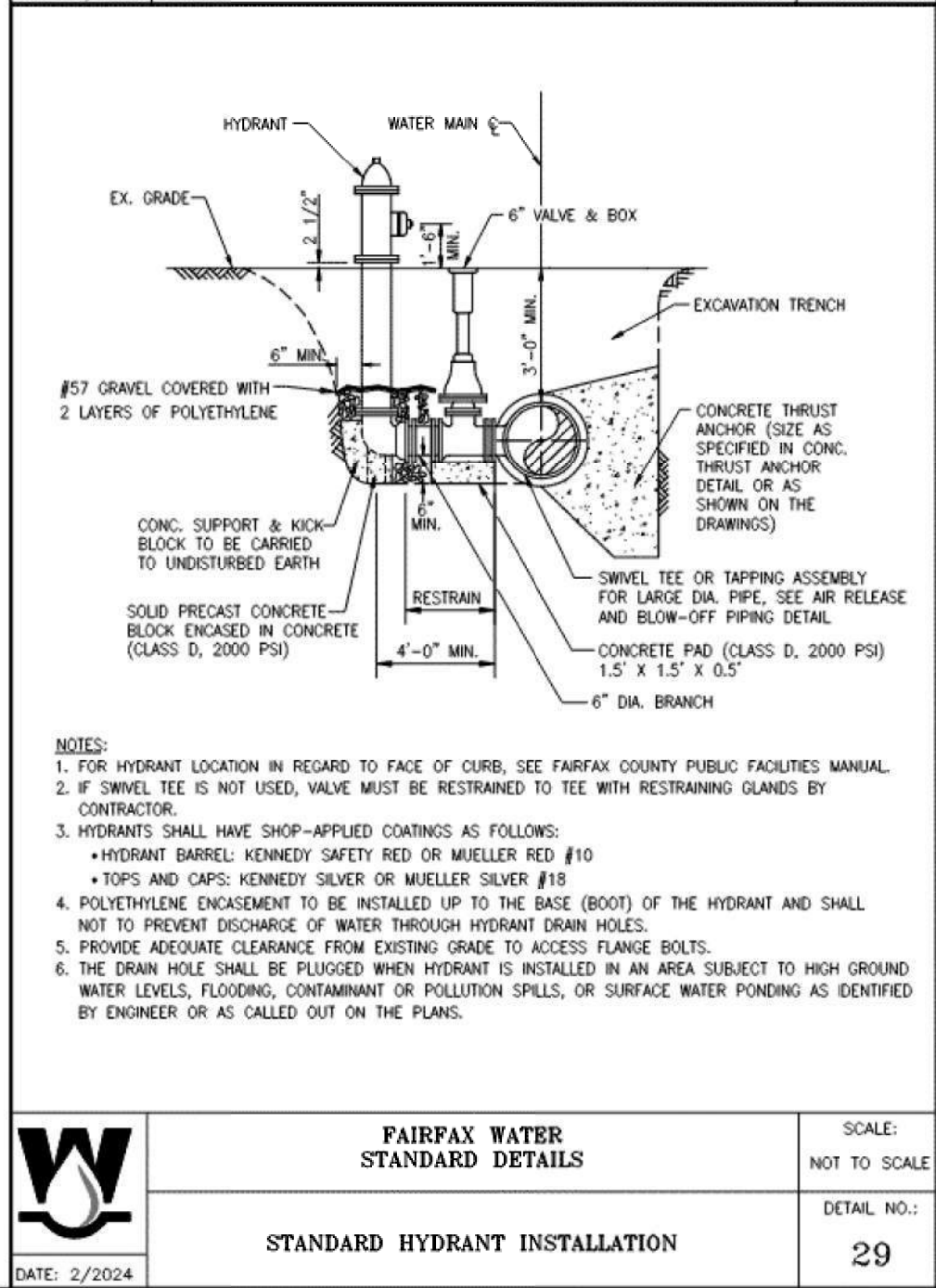
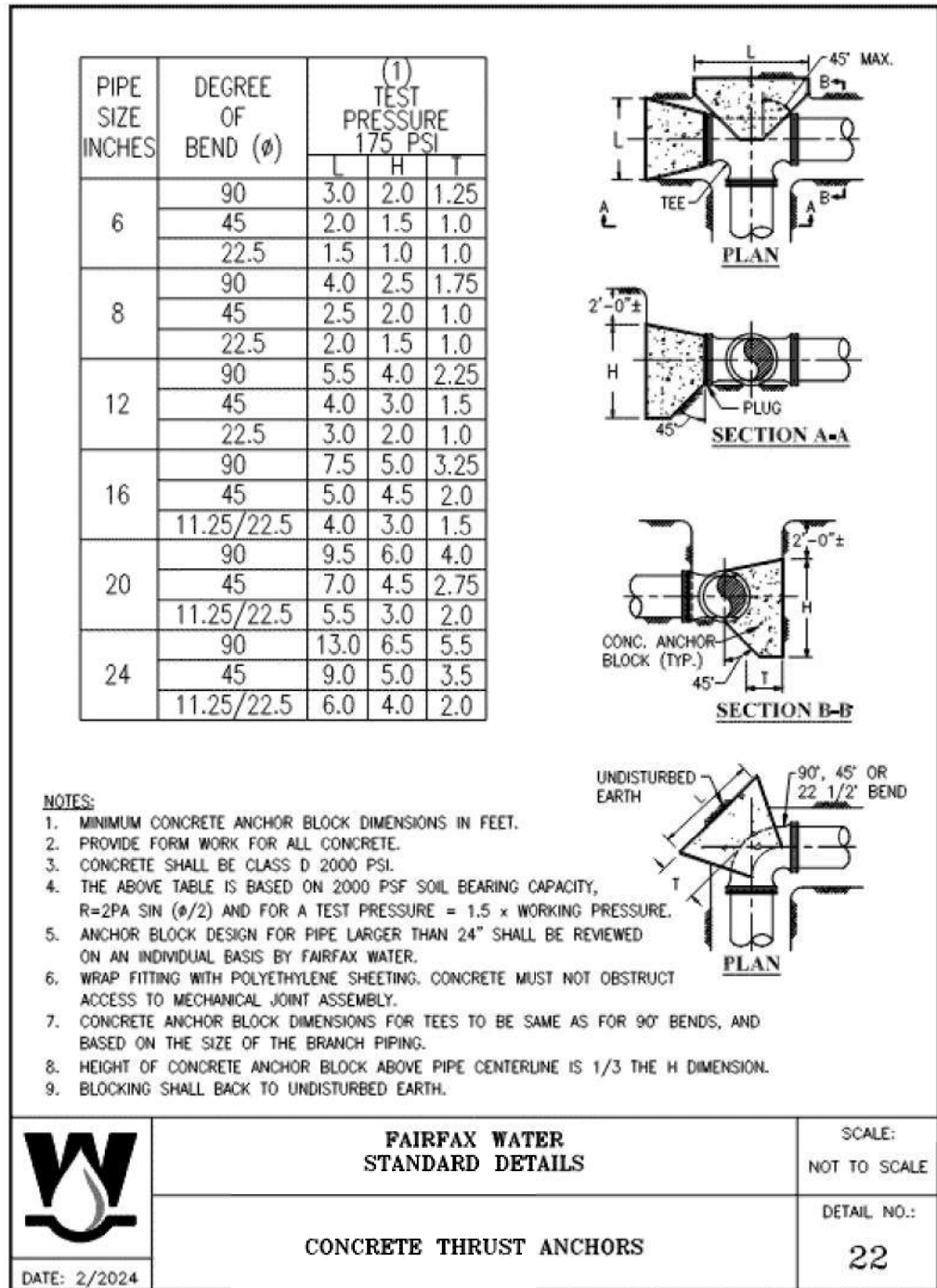
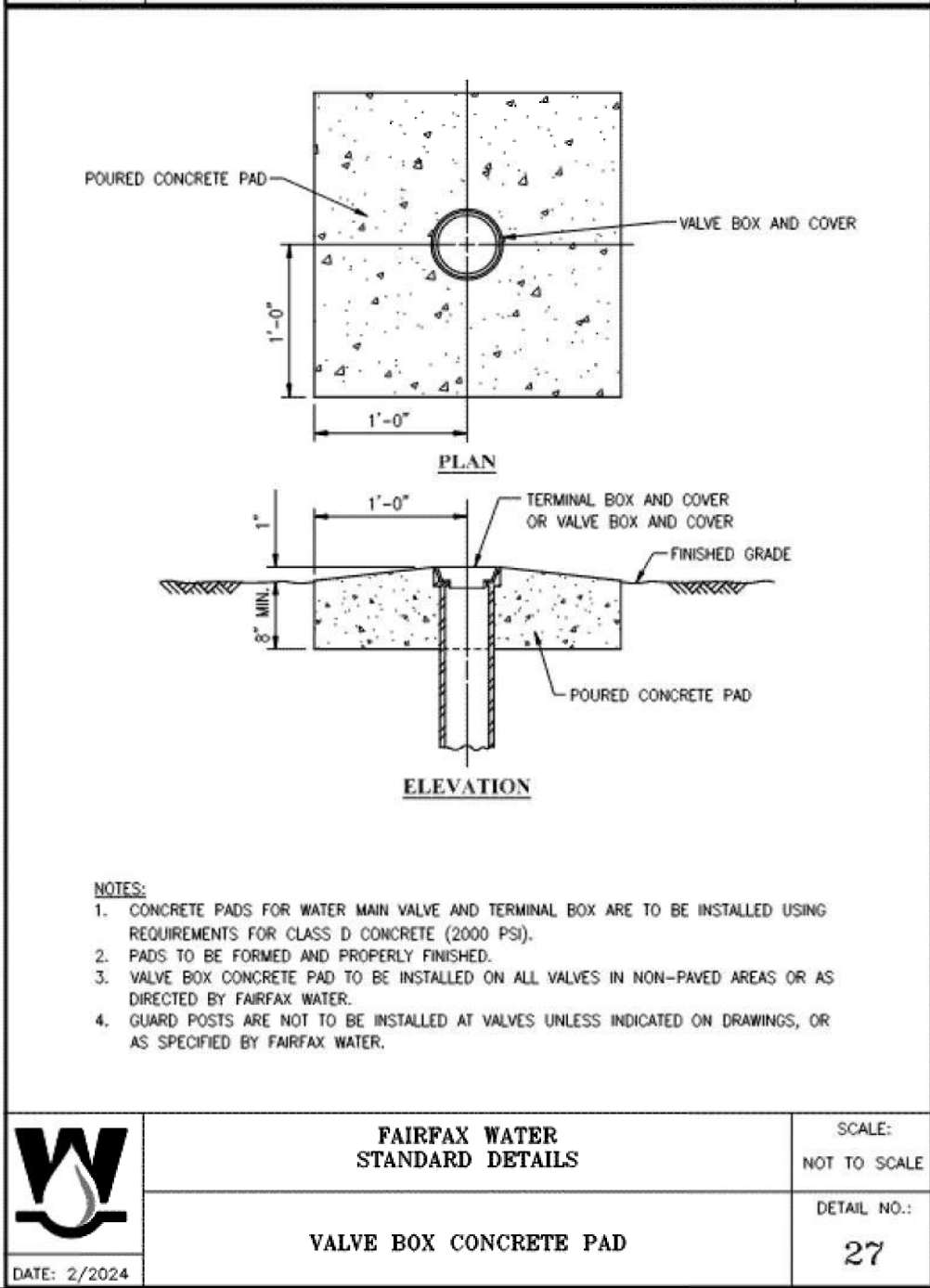
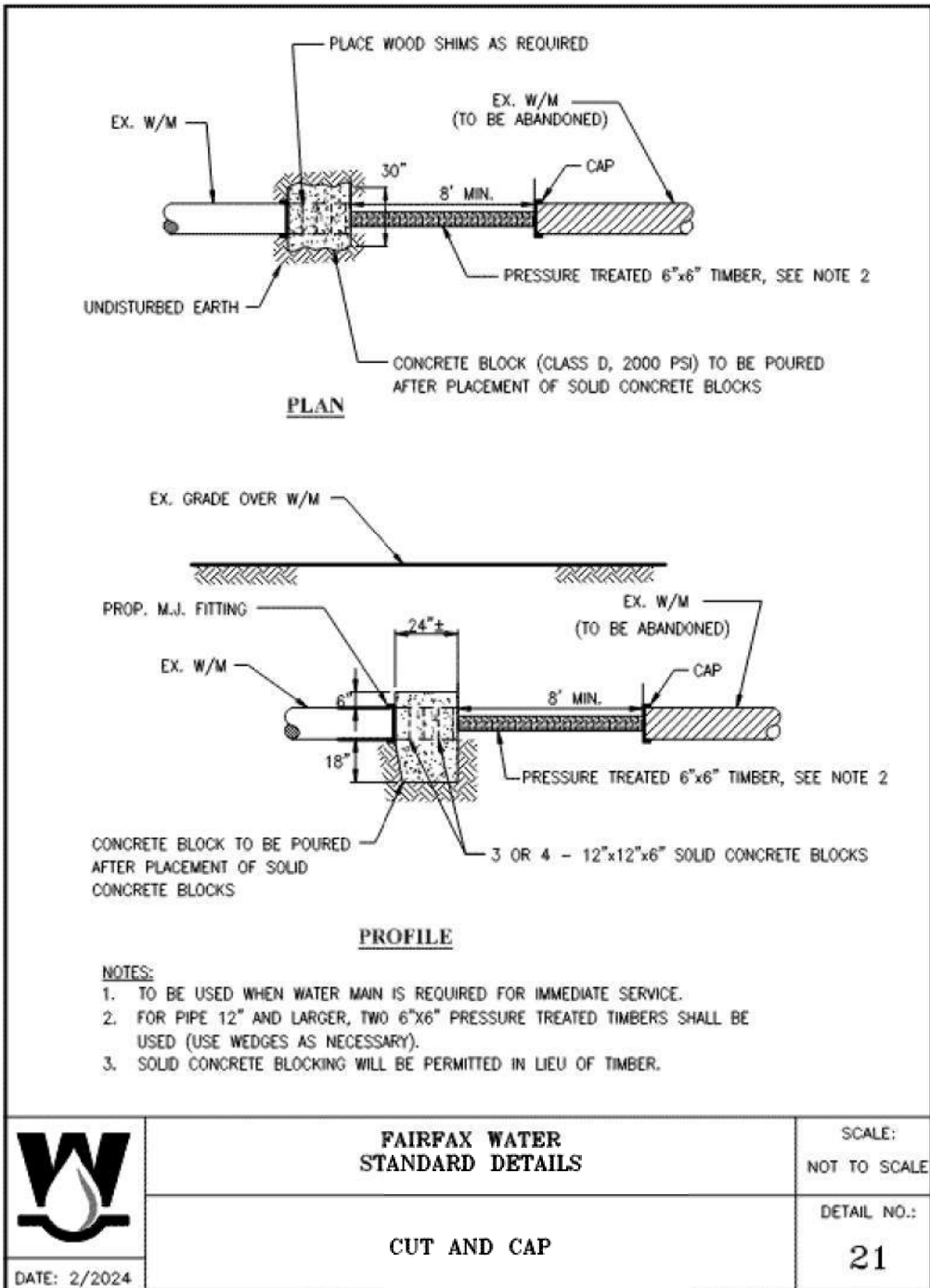
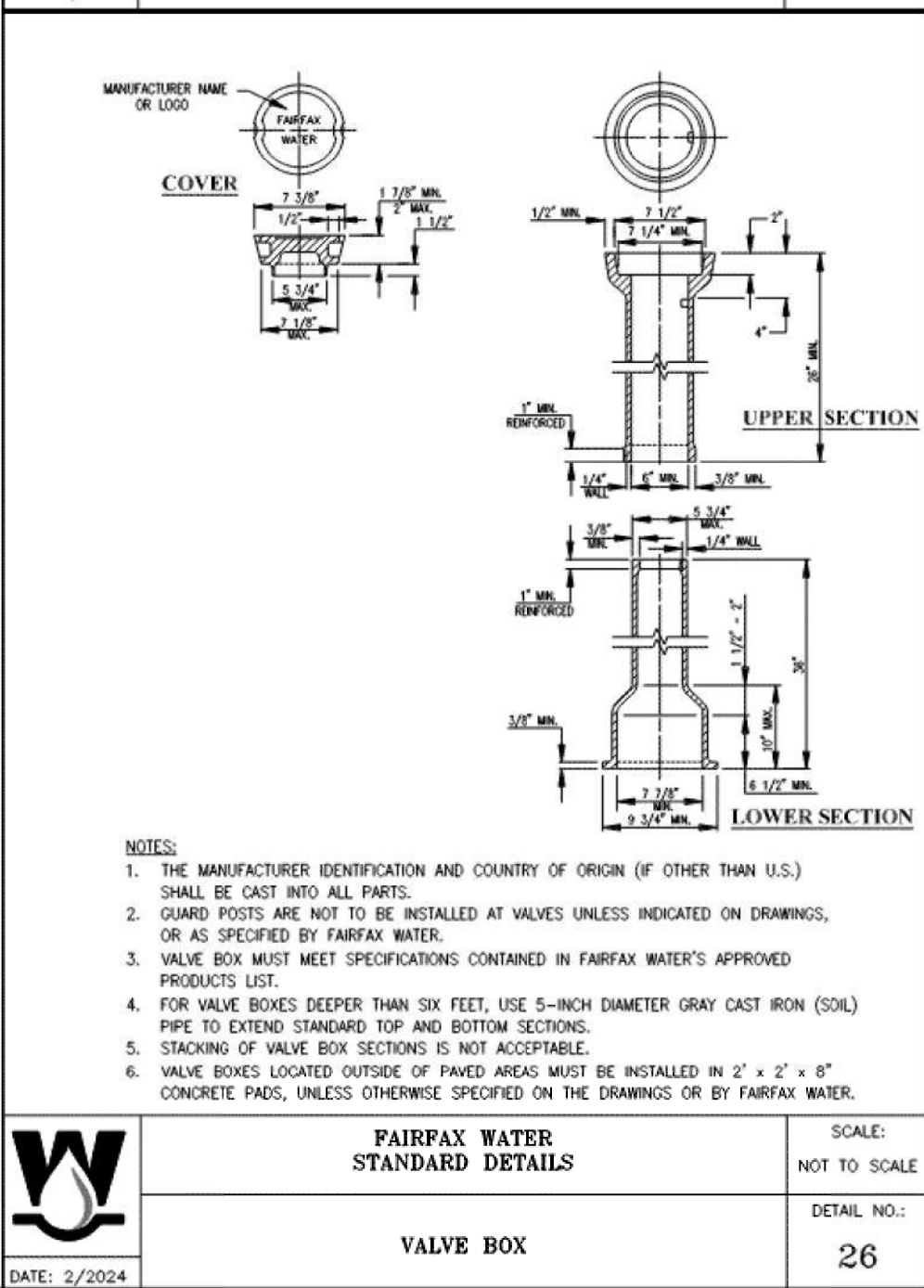
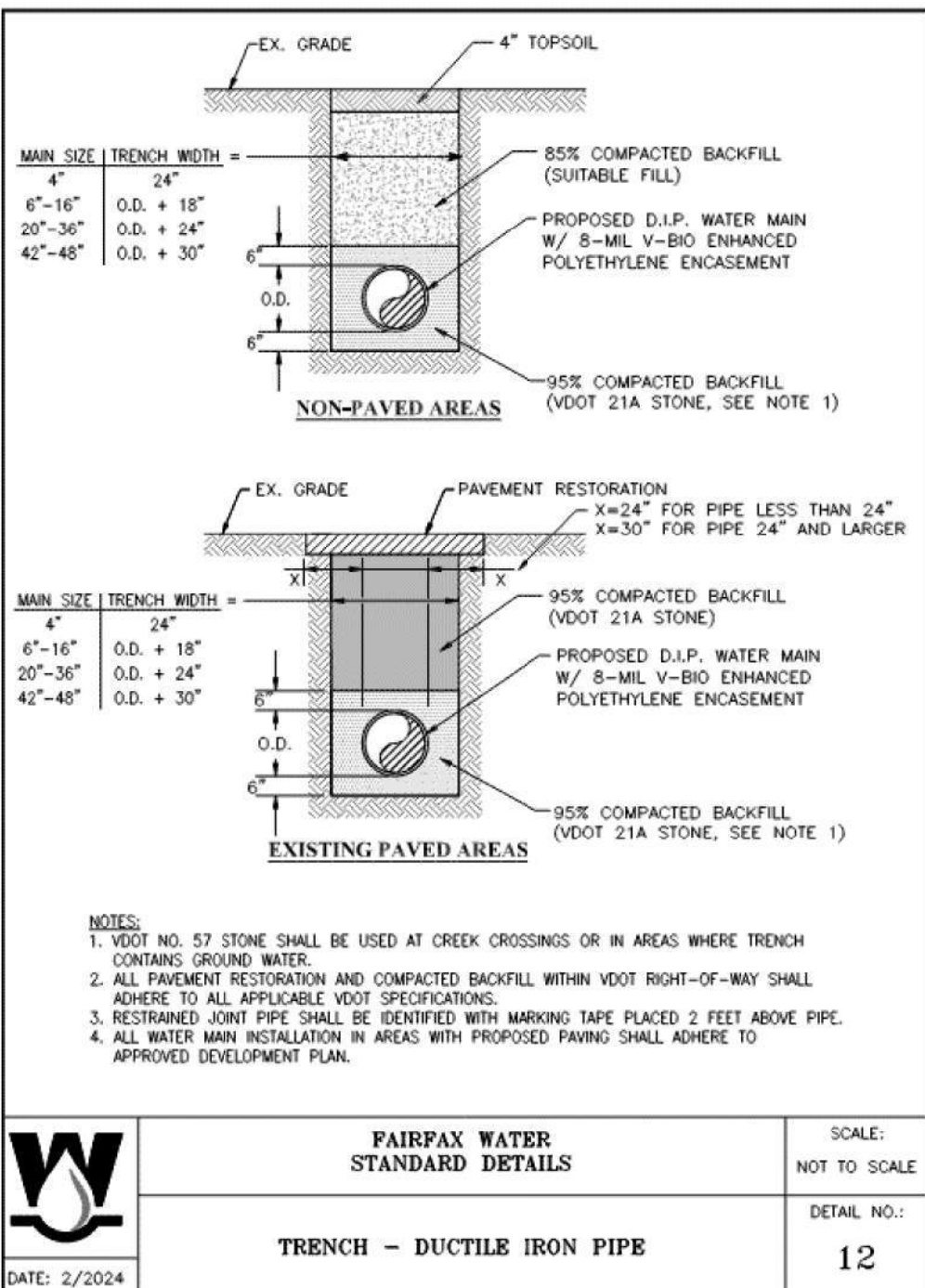
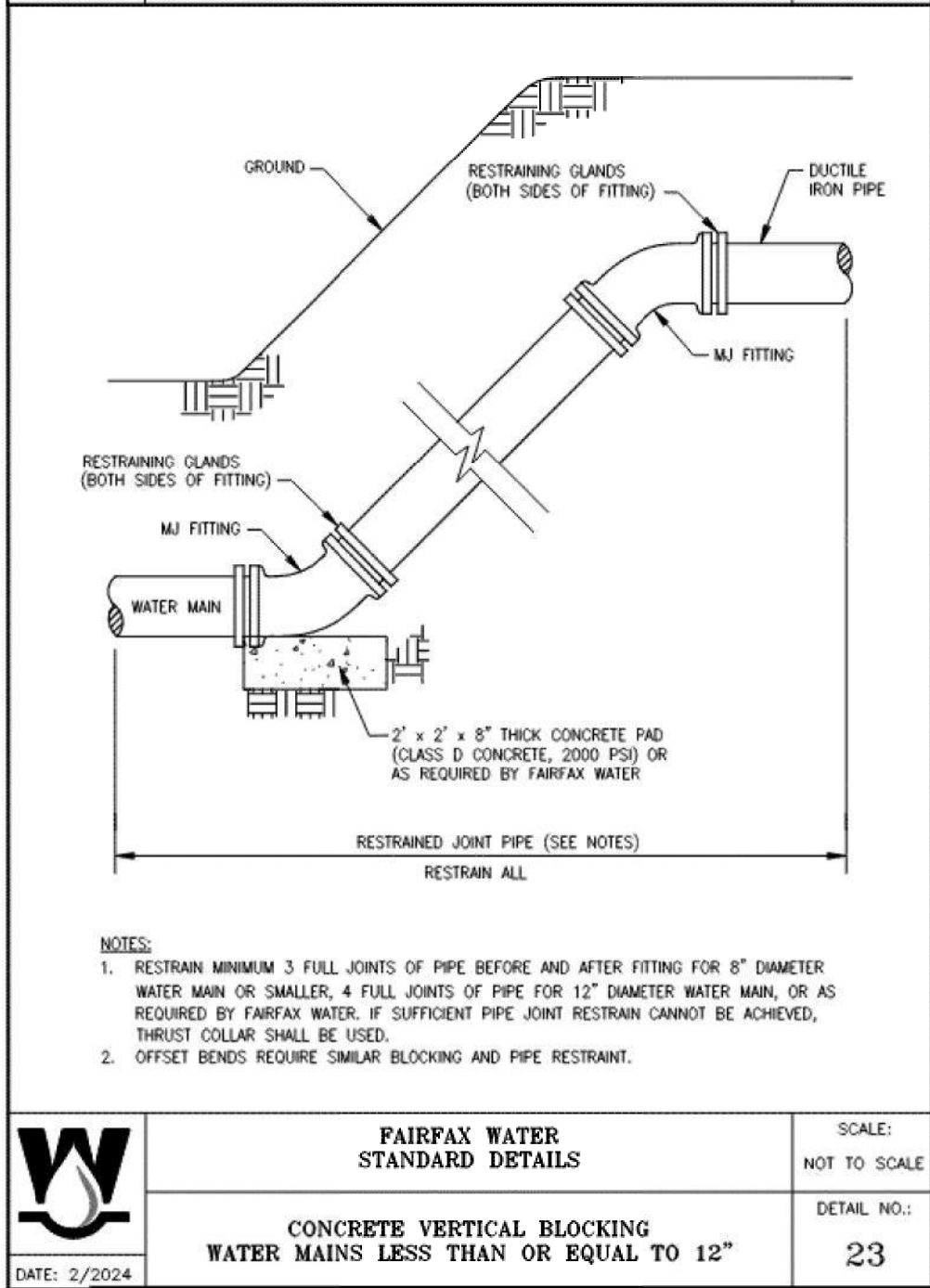
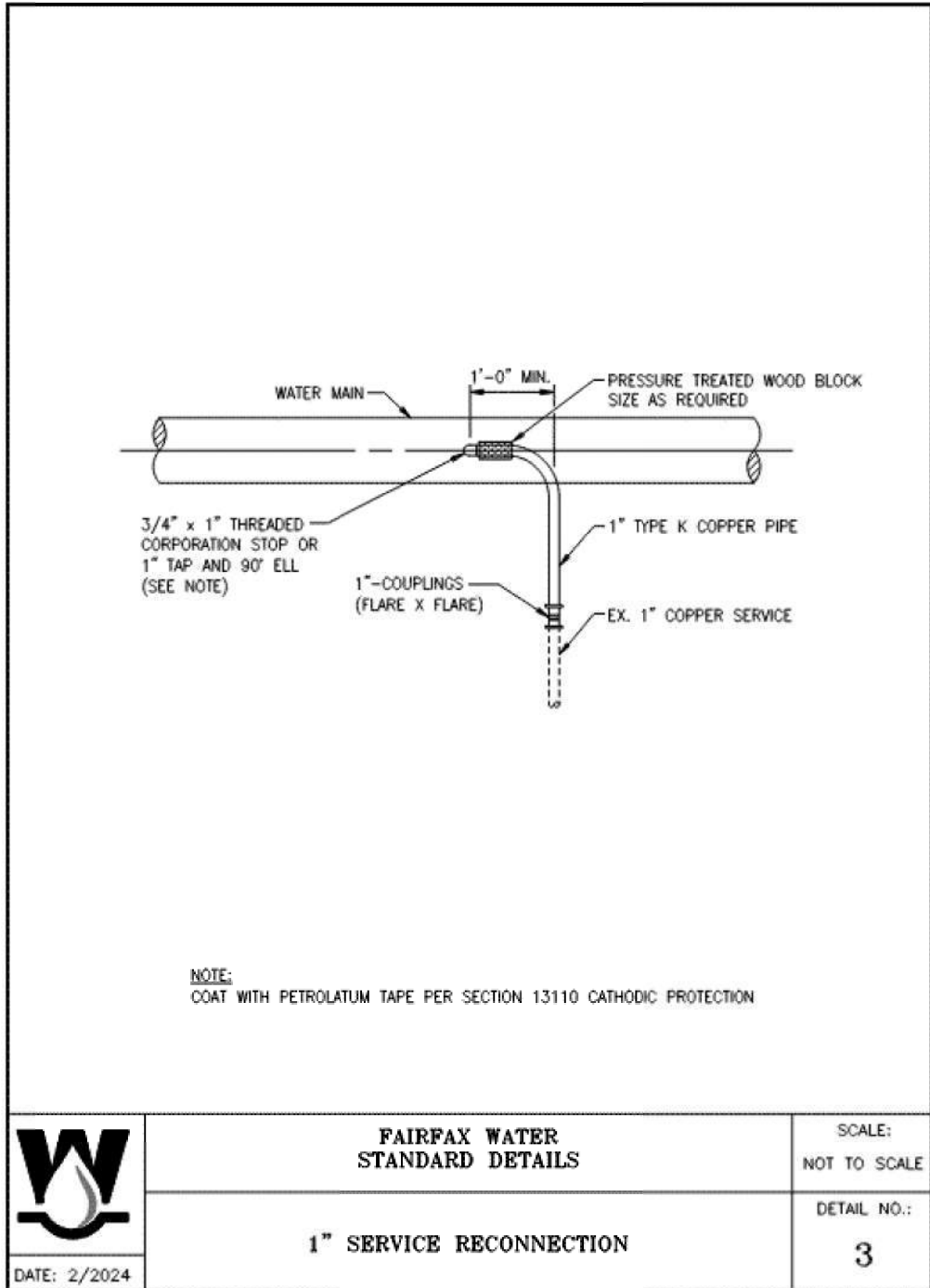
Proposed Test Hole Location

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)

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



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	PROJECT	SHEET NO.
0 25' 50'	U000-154-R94	21(28)

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)

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

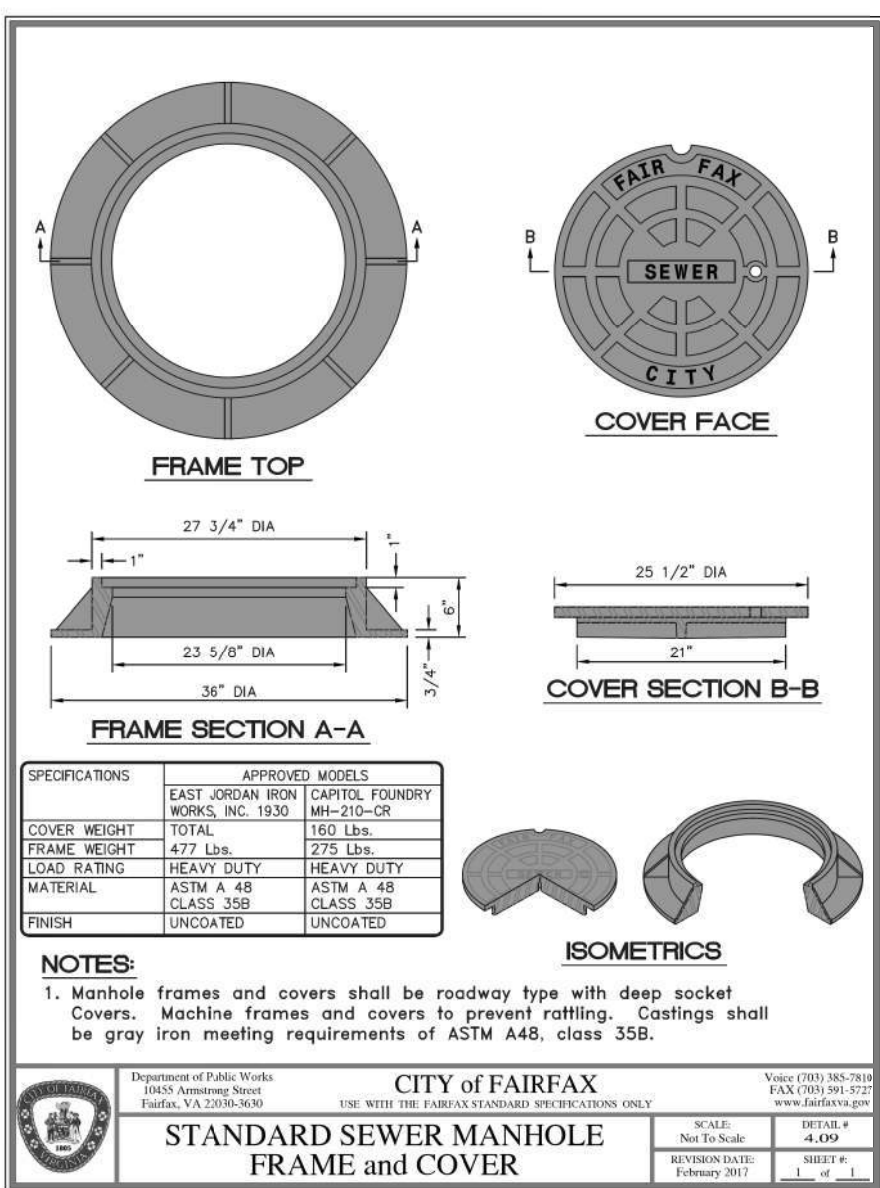
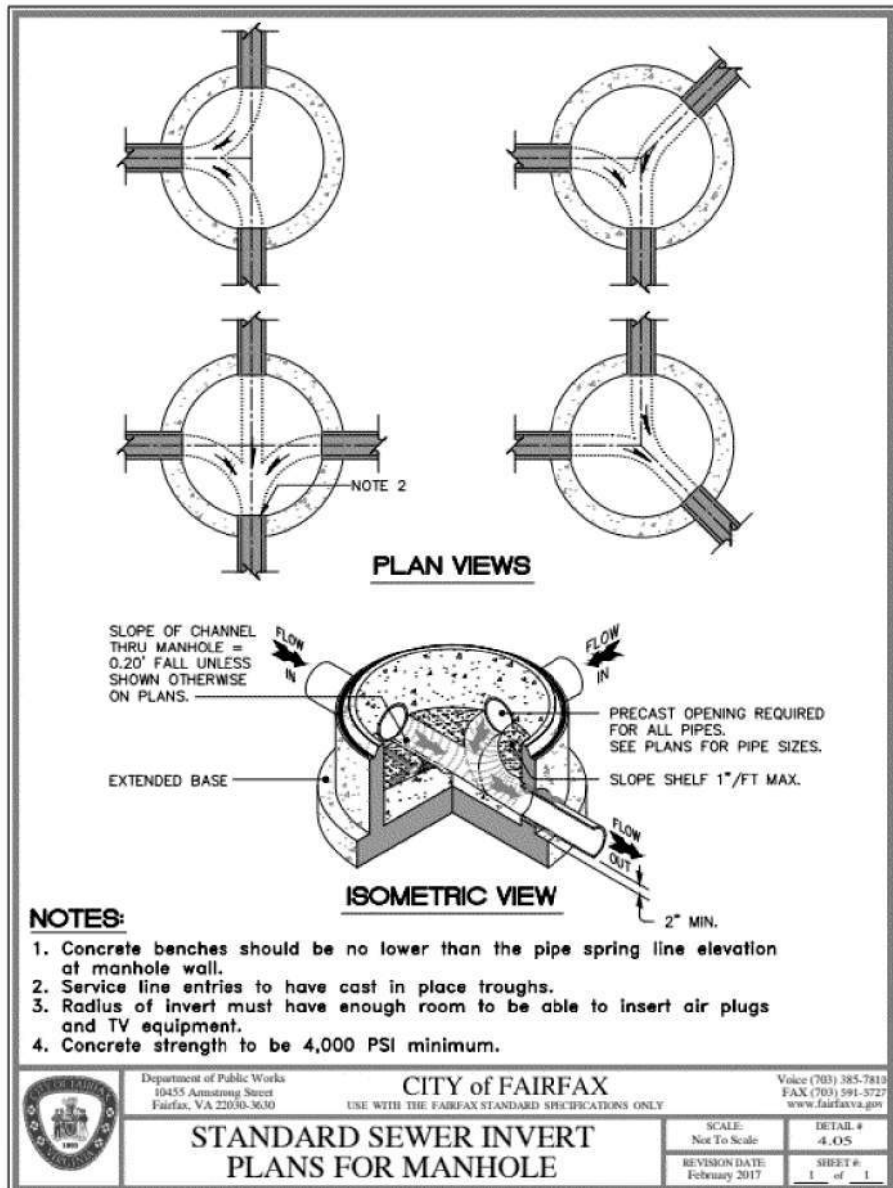
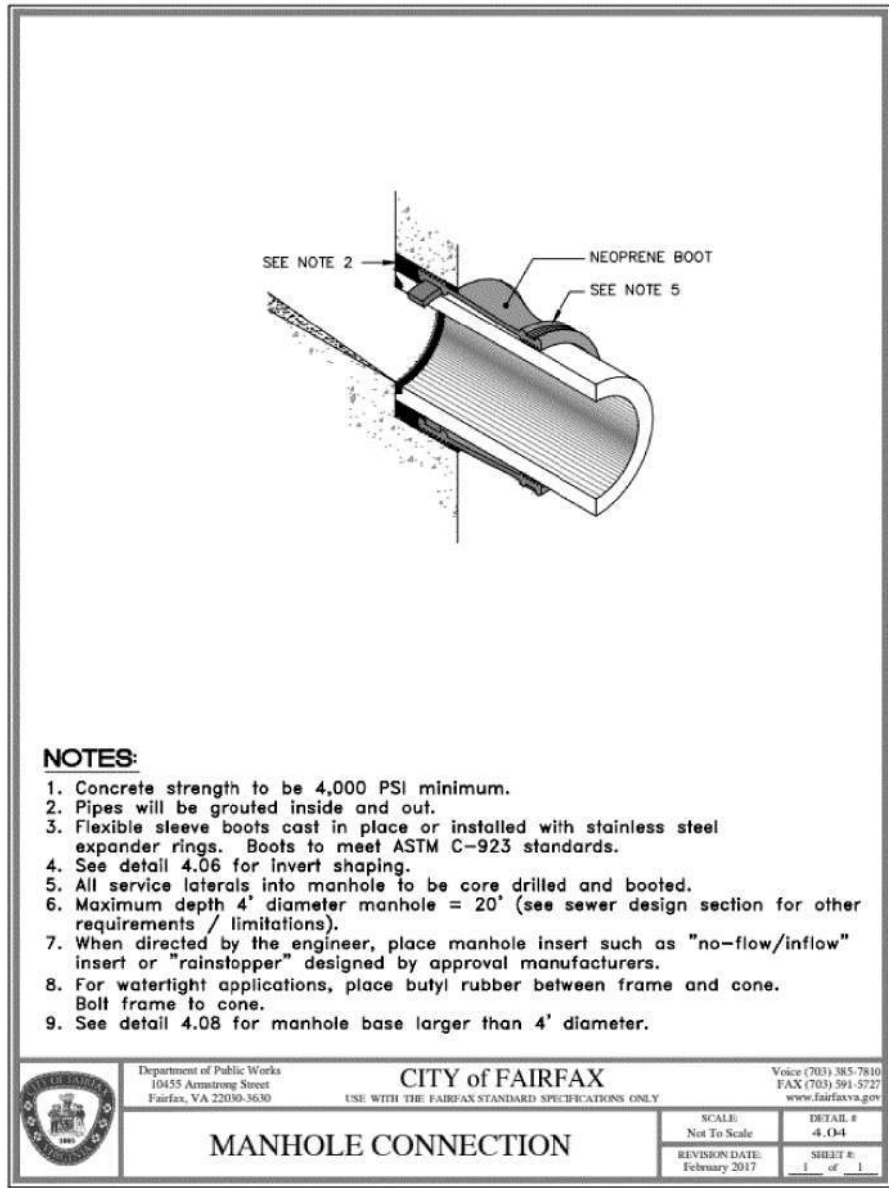
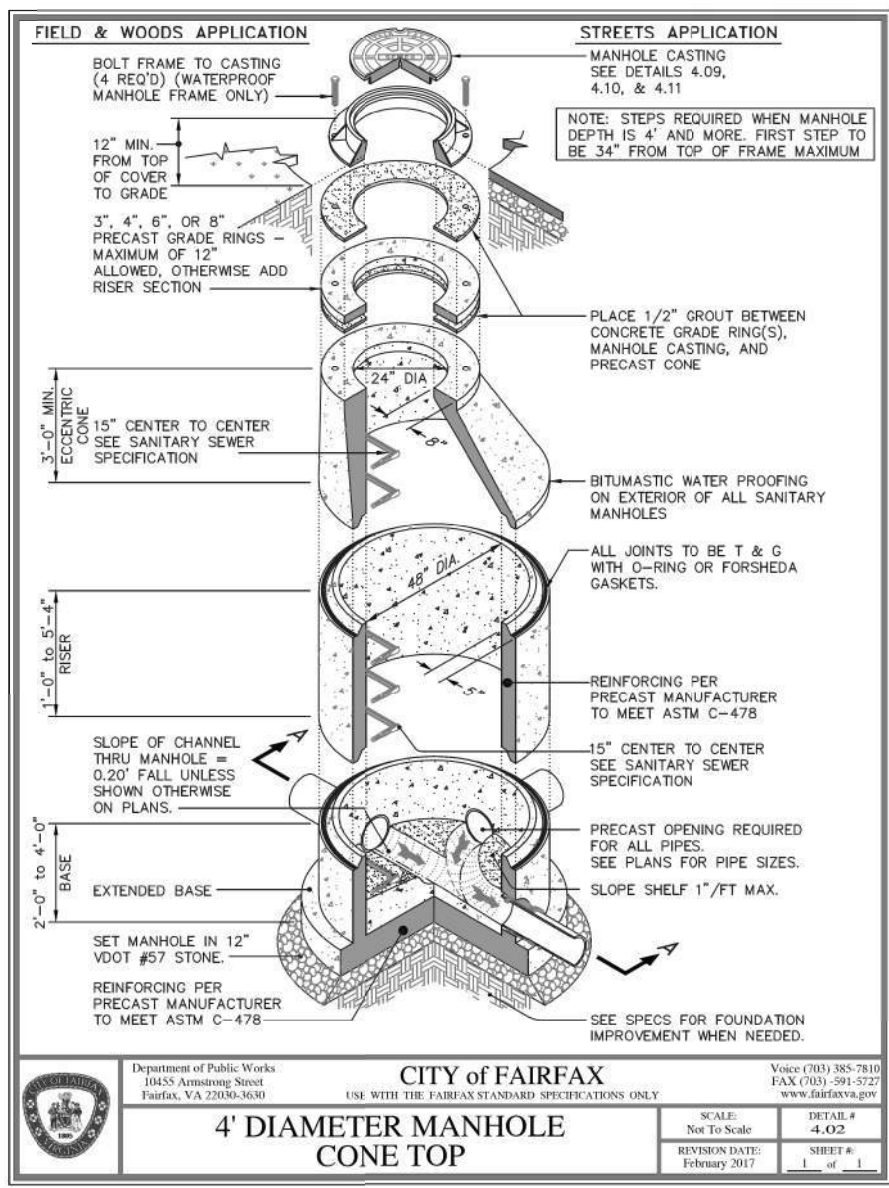
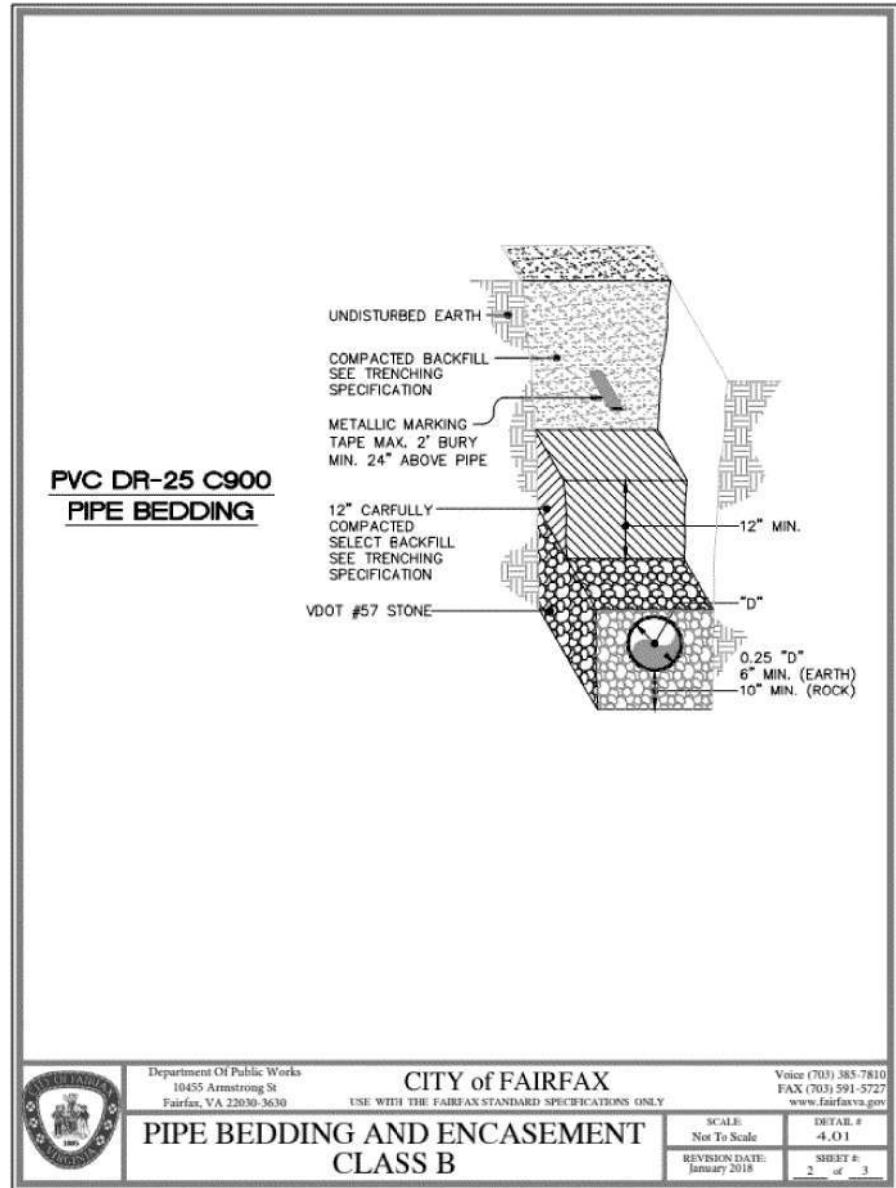
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

DEPARTMENT OF PUBLIC WORKS SANITARY SEWER STANDARD NOTES GENERAL

- All sanitary sewers shall be constructed in accordance with the current City of Fairfax Standards and specifications.
- Easements for all sanitary shall be 10' unless otherwise noted.
- Sanitary sewers and water mains shall maintain a minimum of 15' horizontal separation from proposed or existing buildings.
- No landscaping or other utilities (i.e. gas, phone, cable, etc.) are permitted in the sewer easements, except all crossings.
- 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.
- A permit for installation of sanitary sewers and fire hydrants shall be obtained from the Department of Public Works.
- 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

- Sanitary sewers shall be PVC DR-25 per AWWA C-900, unless otherwise noted.
- 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.
- 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.
- A 2" detectable metal marking tape shall be placed 3-feet above all sanitary sewers.
- The Department of Public Works shall inspect sanitary sewers by a camera after the lines are put in service.
- Finish grade shall drain away from manholes located outside pavement areas.
- 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.
- Manholes shall have bituminous coating on the outside walls.
- All sanitary manhole lids shall be heavy duty and shall have the words "Fairfax City Sewer" cast on them.
- Drop manholes shall have an 8" inside drop pipe.
- Manholes in 100 yr. flood plain shall have watertight lids.
- All testing is provided by the contractor, as directed by the city inspector.



SSMH1048	In Pl. San. MH Top= 373.40 Inv. In= 357.04 (From B) Inv. In= 356.59 (From 24") Inv. Out= 356.52	SSMH0146	In Pl. San. MH Top= 308.01 Inv. In= 300.04 (From N) Inv. In= 300.29 (From L) Inv. Out= 299.26
SSMH1047	In Pl. San. MH Top= 373.09 Inv. In= 364.45 Inv. Out= 364.26	SSMH1459	In Pl. San. MH Top= 323.73 Inv. In= 316.62 Inv. Out= 316.55
SSMH1053	In Pl. San. MH Top= 372.14 Inv. In= 368.41 Inv. Out= 368.36	SSMH1479	In Pl. San. MH Top= 343.15 Inv. Out= 335.70
SSMH1052	In Pl. San. MH Top= 374.41 Inv. In= 368.35 (From E) Inv. In= 368.23 (From 8") Inv. Out= 367.88	SSMH2990	In Pl. San. MH Top= 307.55 Inv. In= 300.81 Inv. Out= 300.68
SSMH0135	In Pl. San. MH Top= 381.73 Inv. In= 377.41 (From F) Inv. In= 377.43 (From G) Inv. Out= 377.34	SSMH0147	In Pl. San. MH Top= 297.65 Inv. In= 279.62 Inv. Out= 279.58
SSMH0136	In Pl. San. MH Top= 388.20 Inv. In= 383.16 Inv. Out= 382.87	SSMH0148	In Pl. San. MH Top= 295.90 Inv. In= 280.64 (From Q) Inv. In= 279.83 (?") Inv. Out= 279.78
SSMH1034	In Pl. San. MH Top= 382.80 Inv. In= 377.79 Inv. Out= 377.54	SSMG0068	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
SSMH0710	In Pl. San. MH Top= 388.03 Inv. In= 381.48 Inv. Out= 381.24	SSMH0067	In Pl. San. MH Top= 297.20 Inv. In= 285.09 Inv. Out= 285.04
SSMH1879	In Pl. San. MH Top= 396.23 Inv. In= 390.09 Inv. Out= 390.00		In Pl. San. MH Top= 297.27 Inv. In= *No Info Rec. Inv. Out= *No Info Rec.
SSMH0145	In Pl. San. MH Top= 307.66 Inv. In= 297.74 Inv. Out= 297.47	SSMH2238	In Pl. San. MH Top= 377.73 Inv. In= 369.57 Inv. Out= 369.01
SSMH1037	In Pl. San. MH Top= 392.81 Inv. In= 382.57 Inv. Out= 382.25	SSMH2226	In Pl. San. MH Top= 383.29 Inv. In= 377.54 Inv. Out= 377.42
SSMH1033	In Pl. San. MH Top= 394.50 Inv. In (6" Lat.)= 387.78 Inv. In (8" PVC)= 387.41 Inv. Out= 387.10	SSMH0144	In Pl. San. MH Top= 299.95 Inv. In= 288.58 (From SW) Inv. In= 288.81 (From J) Inv. Out= 288.37 (To 0 Per GIS)

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



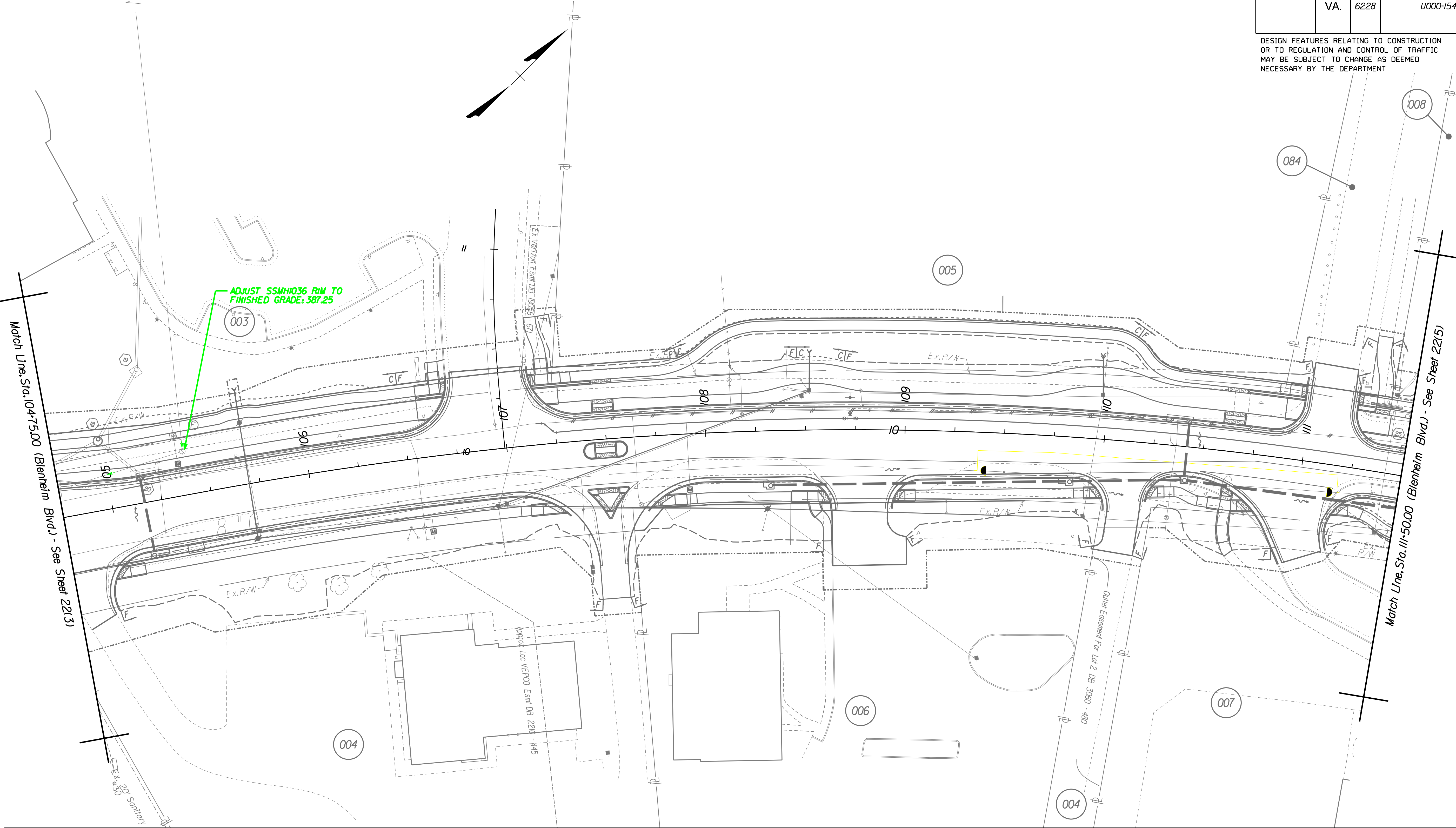
PROJECT U000-154-R94	SHEET NO. 22(3)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED
BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

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)

REVISED	STATE	ROUTE	STATE	SHEET NO.
			PROJECT	
	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	— x —
Prop. Sanitary Main	—
Prop. Manhole	⊙
Exist. Right of Way	—
Prop. Utility Easement	- - - - -

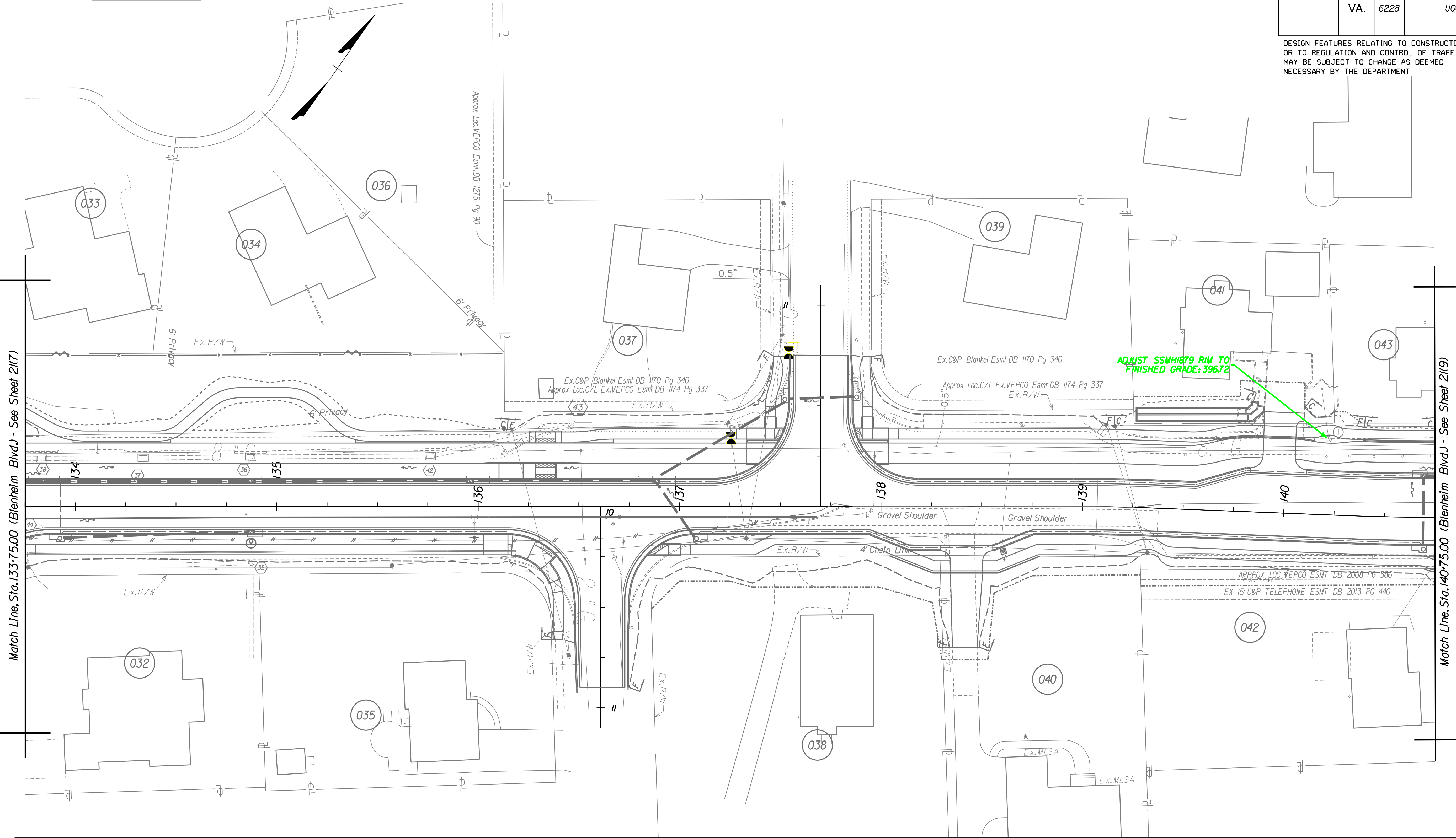
REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Survey Control Data Sheet	IF
Geometric Data Sheet	IG(4)
Horizontal Constr. Alignment Data	IG(1A) - IG(1E)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	4A
Profile Entrances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

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

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)

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

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	— x —
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(8)
Horizontal Constr. Alignment Data	IG(1A) - IG(1E)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	8A
Profile Brookwood Drive	8B

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-154-R94	22(8)

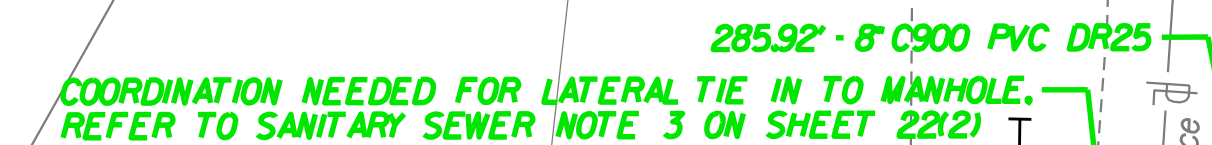
DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT



Survey Control Data Sheet	1F
Geometric Data Sheet	IG(9)
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	9A
Profile Queen Anne Dr., Country Hill Dr.	9B



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NECESSARY BY THE DEPARTMENT



**Install 4' Cut In Manhole S-I
Rim to final grade: 343.42**

Abandon Ex. Manhole
SSMHI479 Per Spec. 2.5J7

**Abandon Ex.8" Sewer -
(Fill & Grout)**

Legend

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

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

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

SCALE

PROJECT
U000-154-R94

SHEET NO.
22(12)

100% PLANS

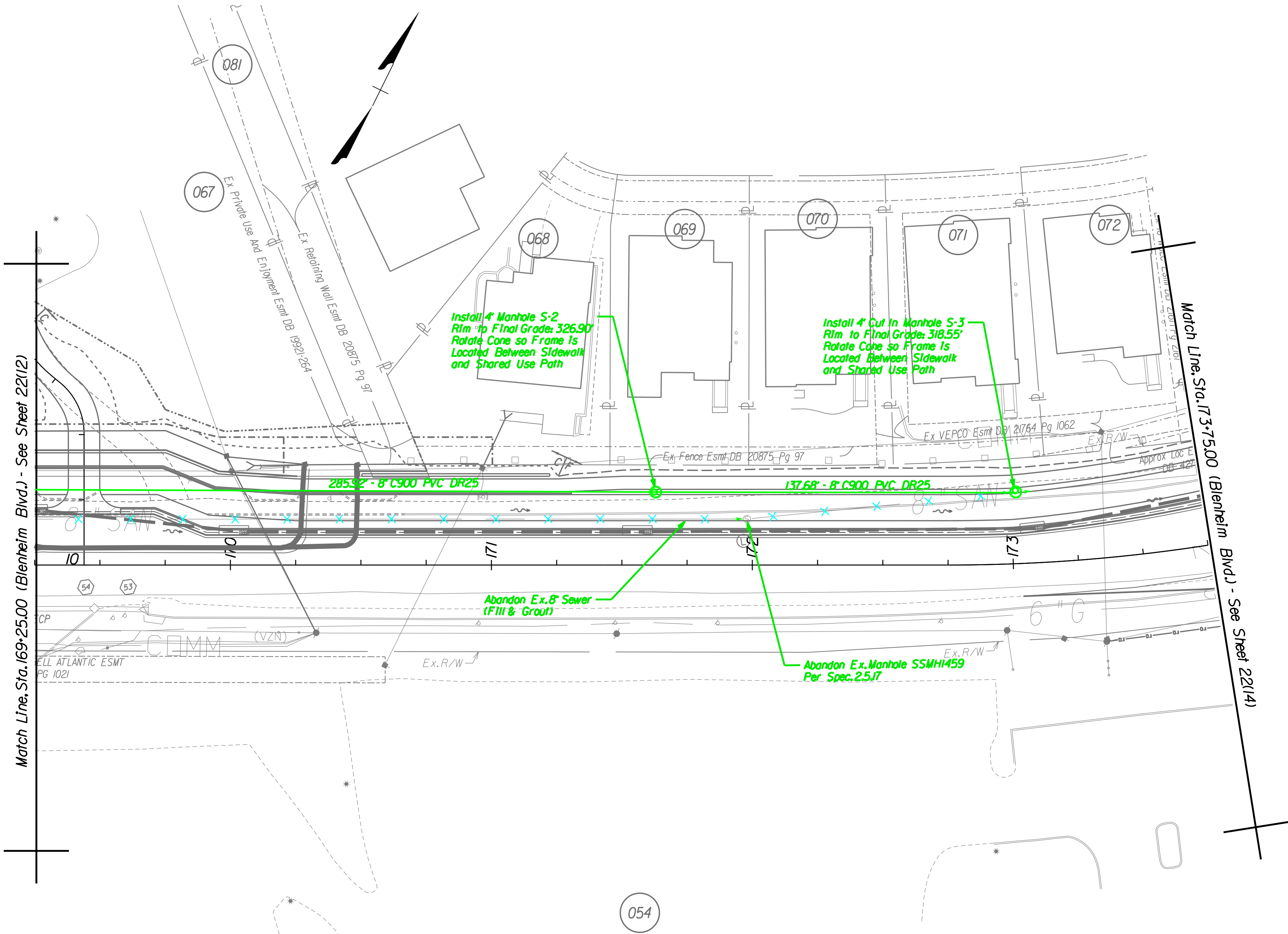
THESE PLANS ARE UNFINISHED AND UNAPPROVED
AND ARE NOT TO BE USED FOR CONSTRUCTION.

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)

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

DESIGN FEATURES RELATING TO CONSTRUCTION
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SANITARY SEWER PLANS

Legend	
Exist. Sanitary Main	—
Exist. San. Abandon	— x —
Prop. Sanitary Main	—
Prop. Manhole	⊙
Exist. Right of Way	—
Prop. Utility Easement	- - - - -

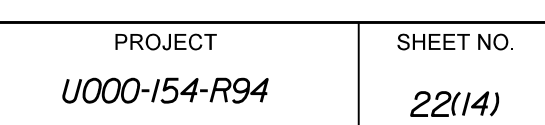
REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Survey Control Data Sheet	IF
Geometric Data Sheet	IG(13)
Horizontal Constr. Alignment Data	IG(1A) - IG(1E)
Erosion Controls: Ph1 & Ph2	TBD
Typical Sections	2A - 2A(5)
Drainage Descriptions	TBD
Profile: Blenheim Blvd	13A
Profile Entrances	13B

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

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
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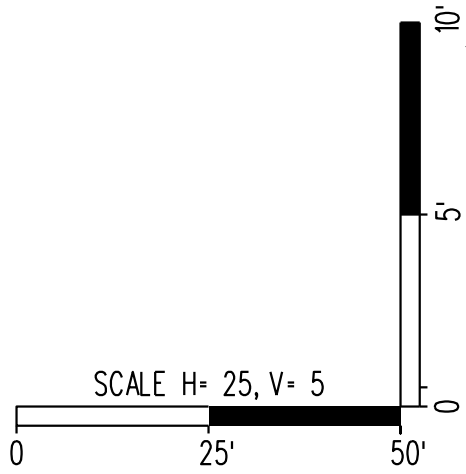
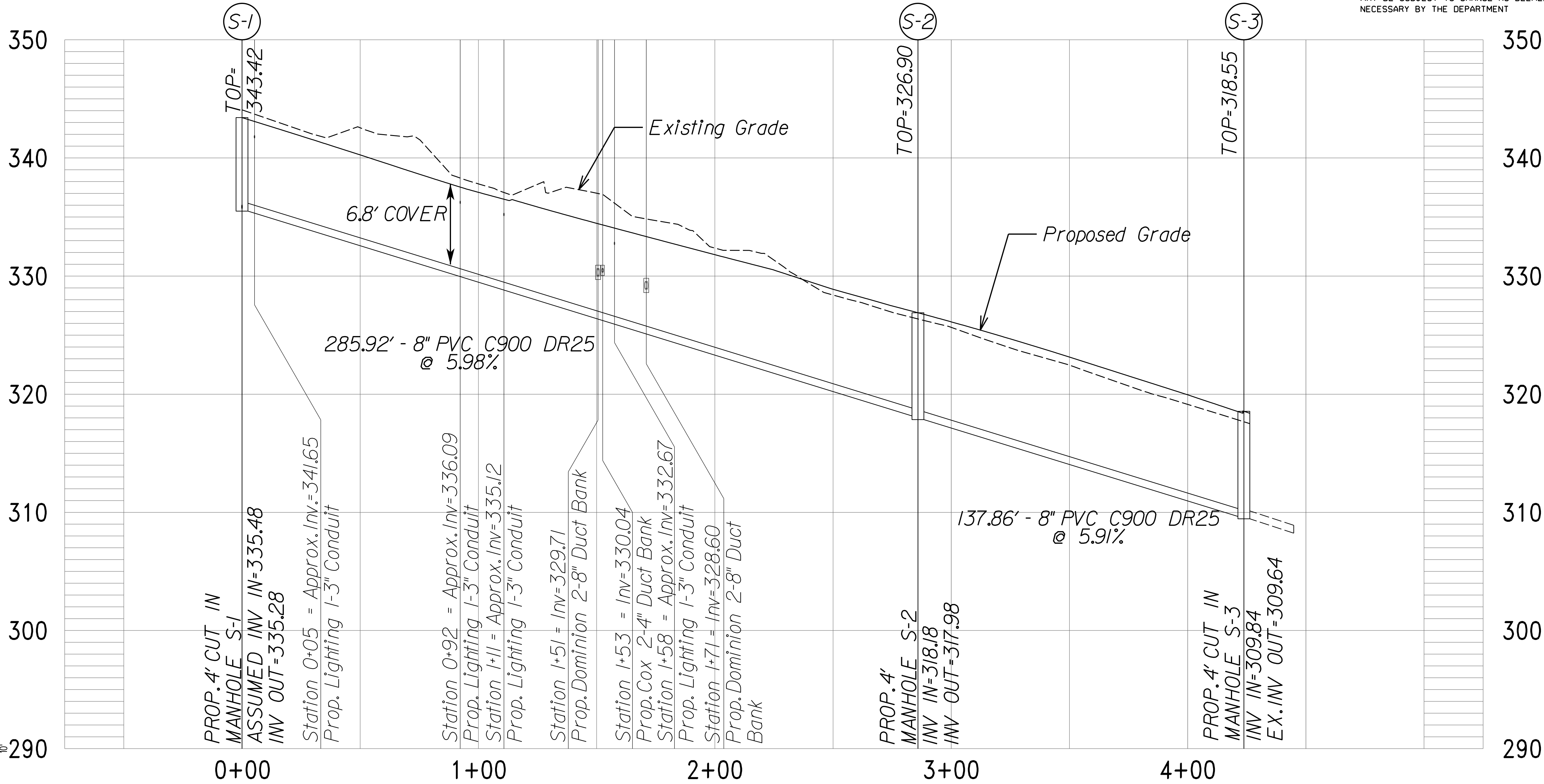
REFERENCES	
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Survey Control Data Sheet	IF
Geometric Data Sheet	IG(1/4)
Horizontal Constr. Alignment Data	IG(1A) - IG(1E)
Erosion Controls Ph1 & Ph2	TBD
Typical Sections	2A - 24(5)
Drainage Descriptions	TBD
Profile Blenheim Blvd	14A
Profile Ridge Avenue	14B



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)*

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

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

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

SANITARY SEWER PROFILE

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

100% PLANS

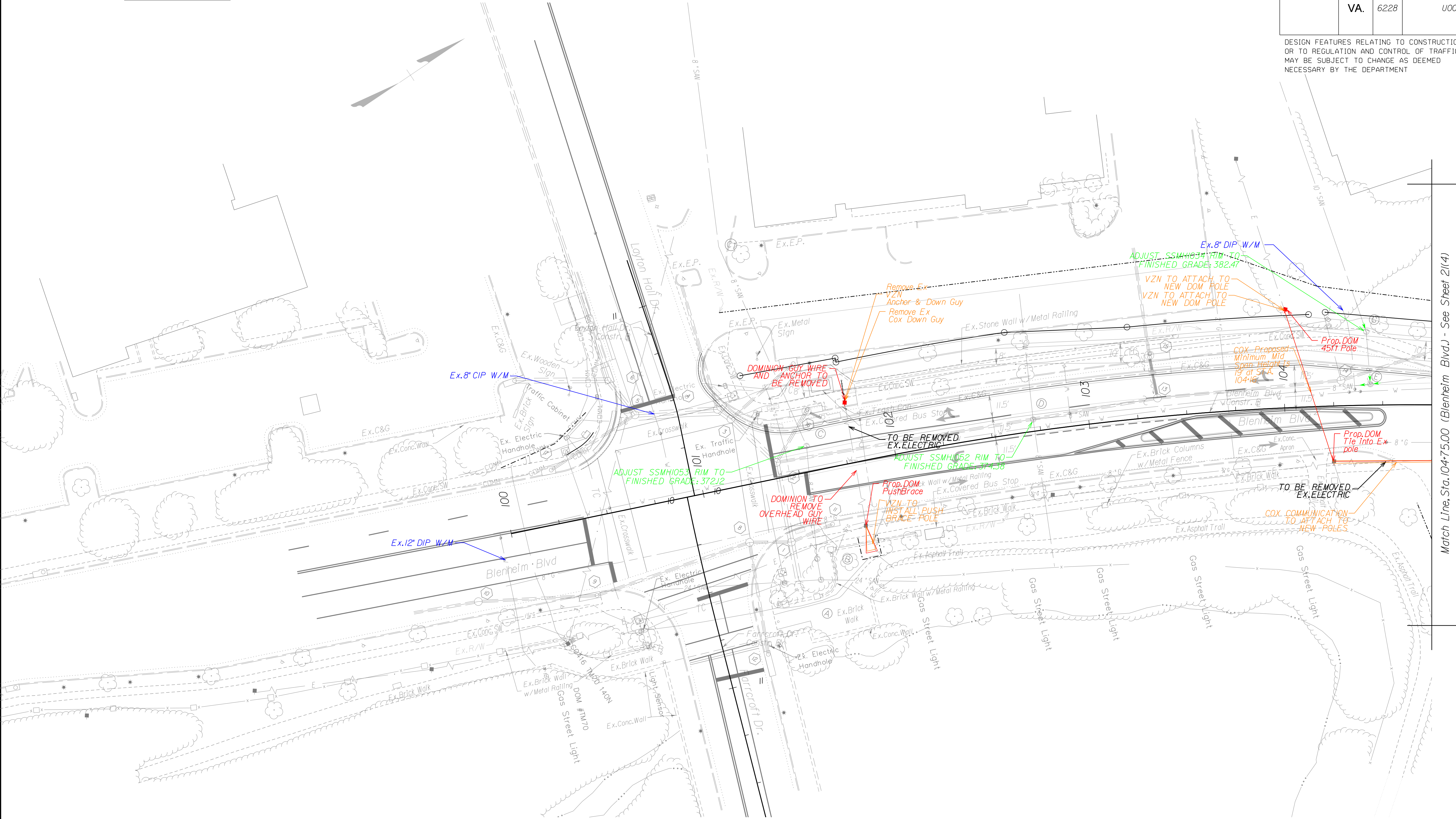
THESE PLANS ARE UNFINISHED AND UNAPPROVED
AND ARE NOT TO BE USED FOR CONSTRUCTION.

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED
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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	

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Match Line, Sta. 104+75.00 (Blenheim Blvd.) - See Sheet 21(4)

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-154-R94	23(3)

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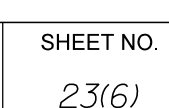
DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT



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



DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
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BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

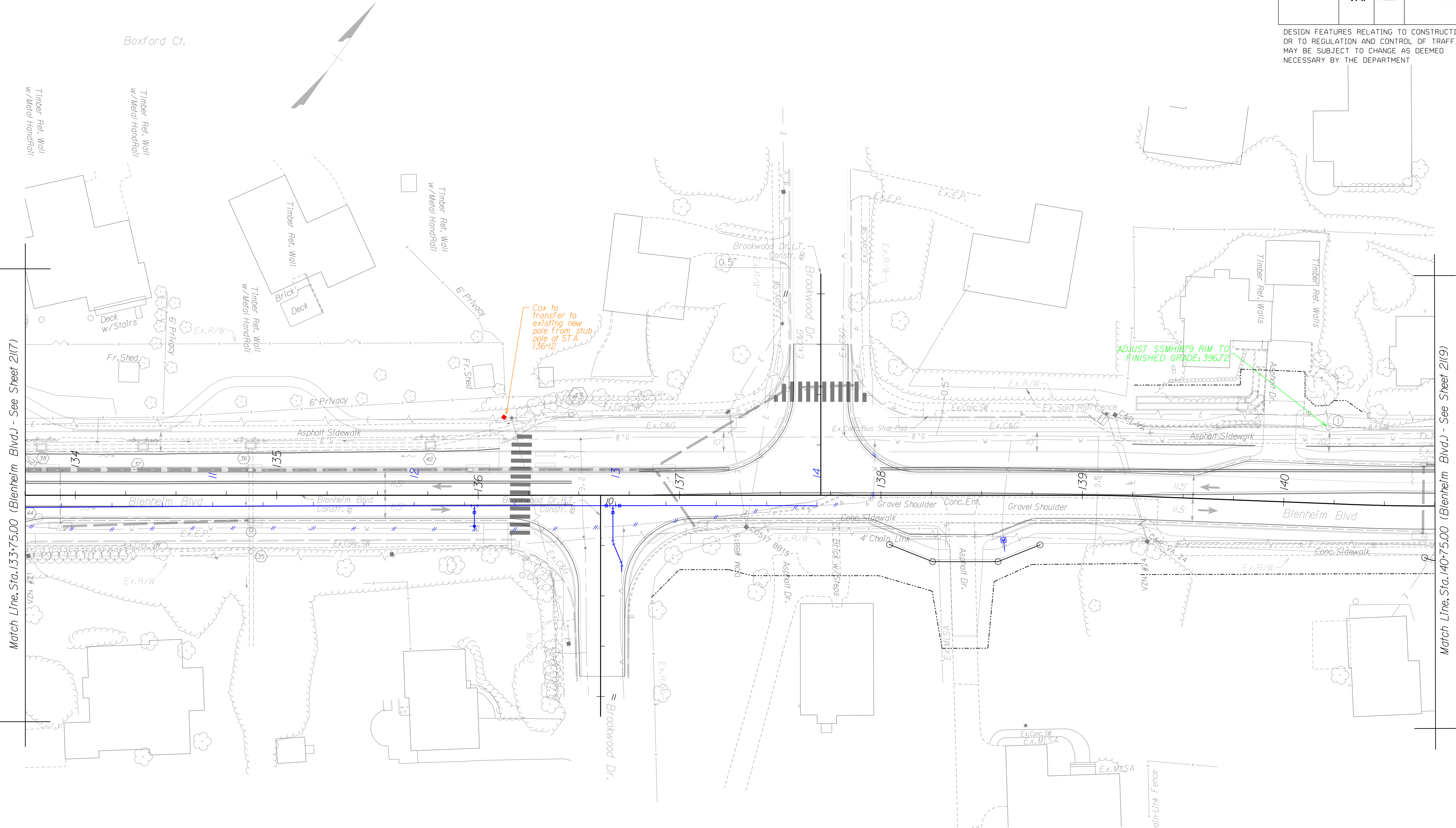
DESIGN FEATURES RELATING TO CONSTRUCTION
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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE AccuMark, (800) 542-2990 (2015)

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

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



SCALE
0 25' 50'

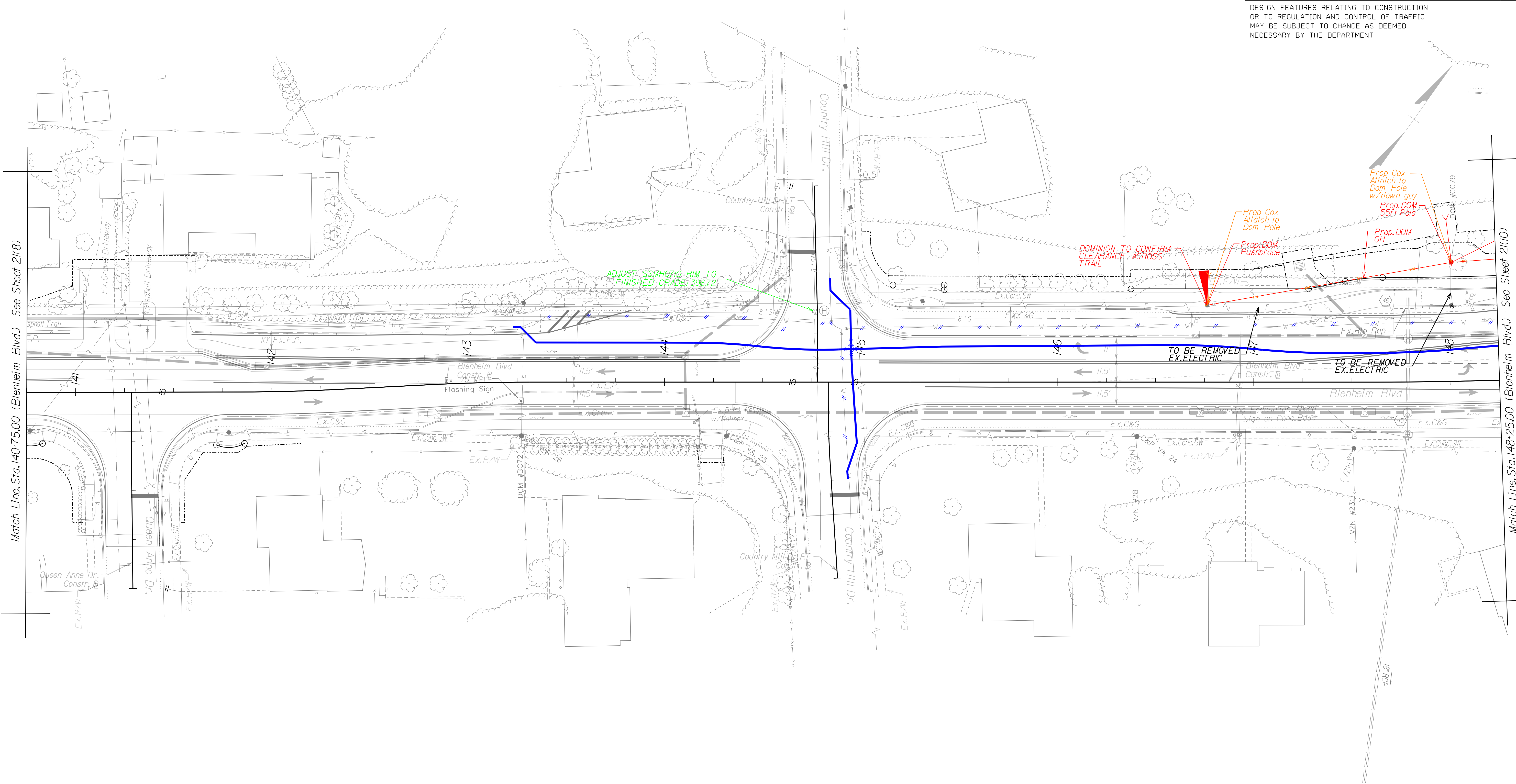
PROJECT
U000-154-R94

SHEET NO.
23(8)

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)

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

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SCALE	PROJECT	SHEET NO.
0 25 50'	U000-154-R94	23(9)

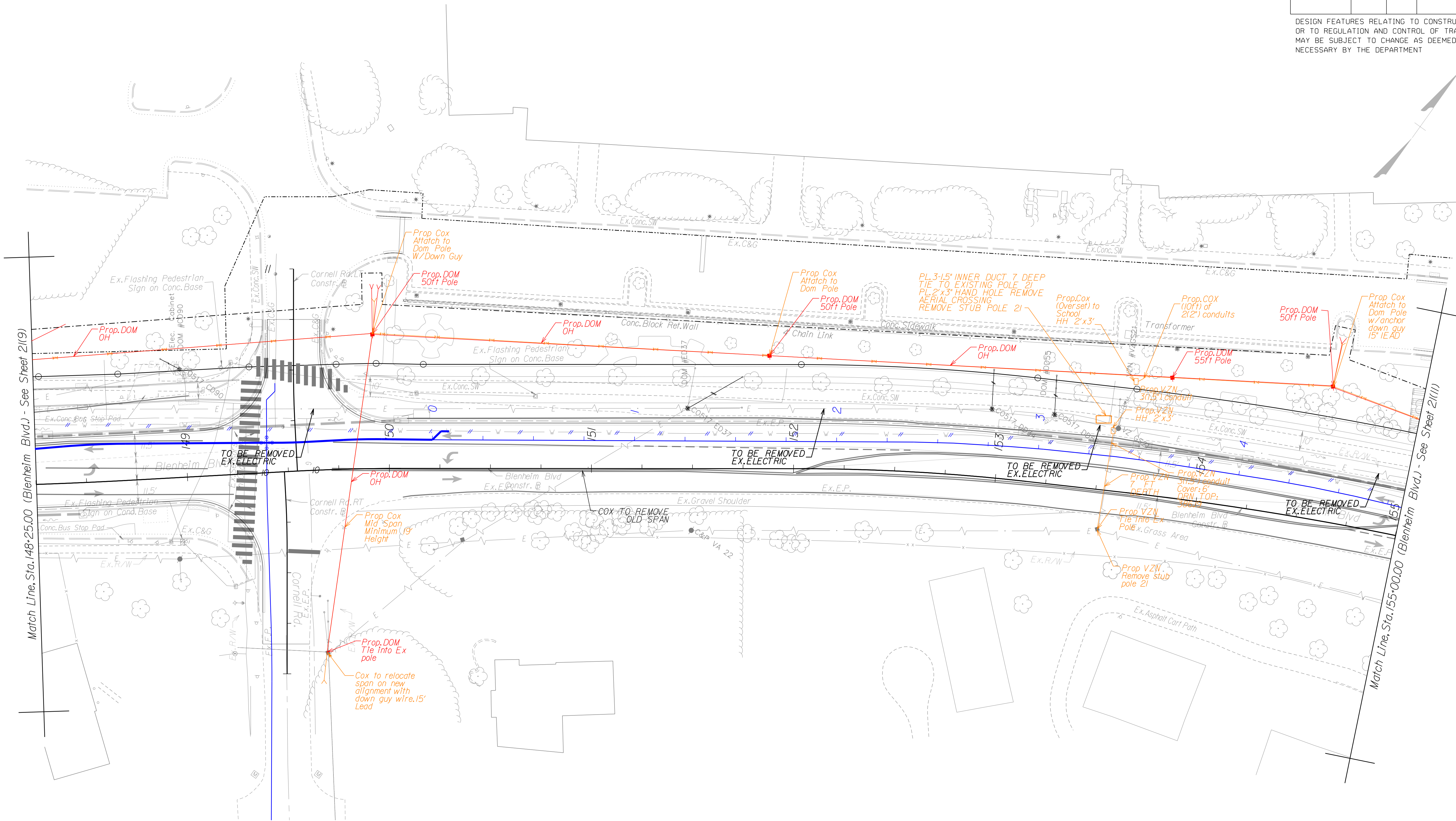
THESE PLANS ARE UNFINISHED AND UNAPPROVED
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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	

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SCALE	PROJECT	SHEET NO.
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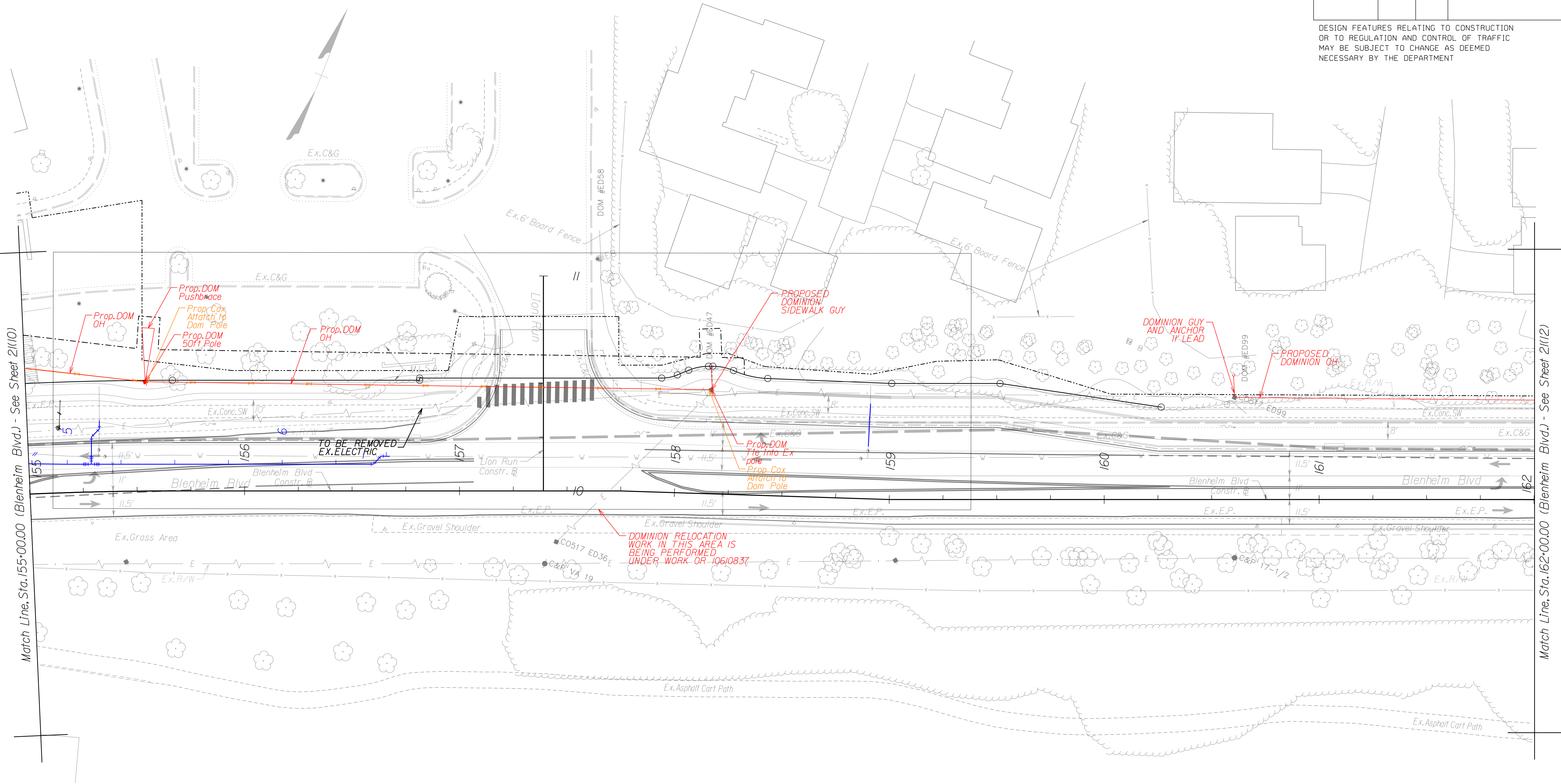
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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

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

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



SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-154-R94	23(III)

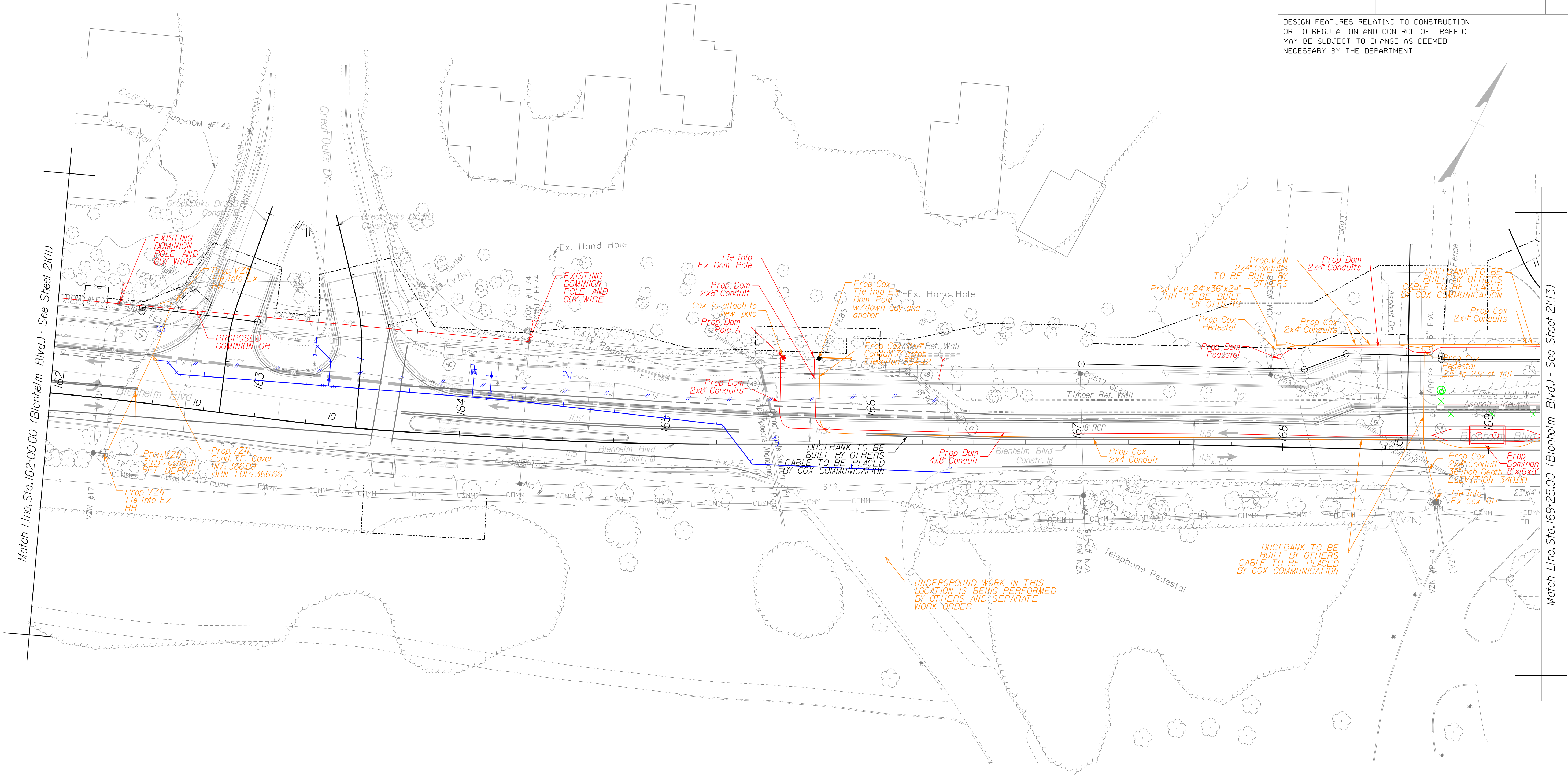
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

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

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

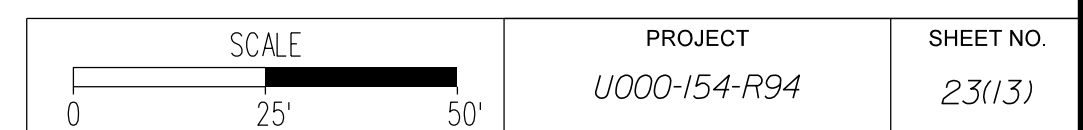
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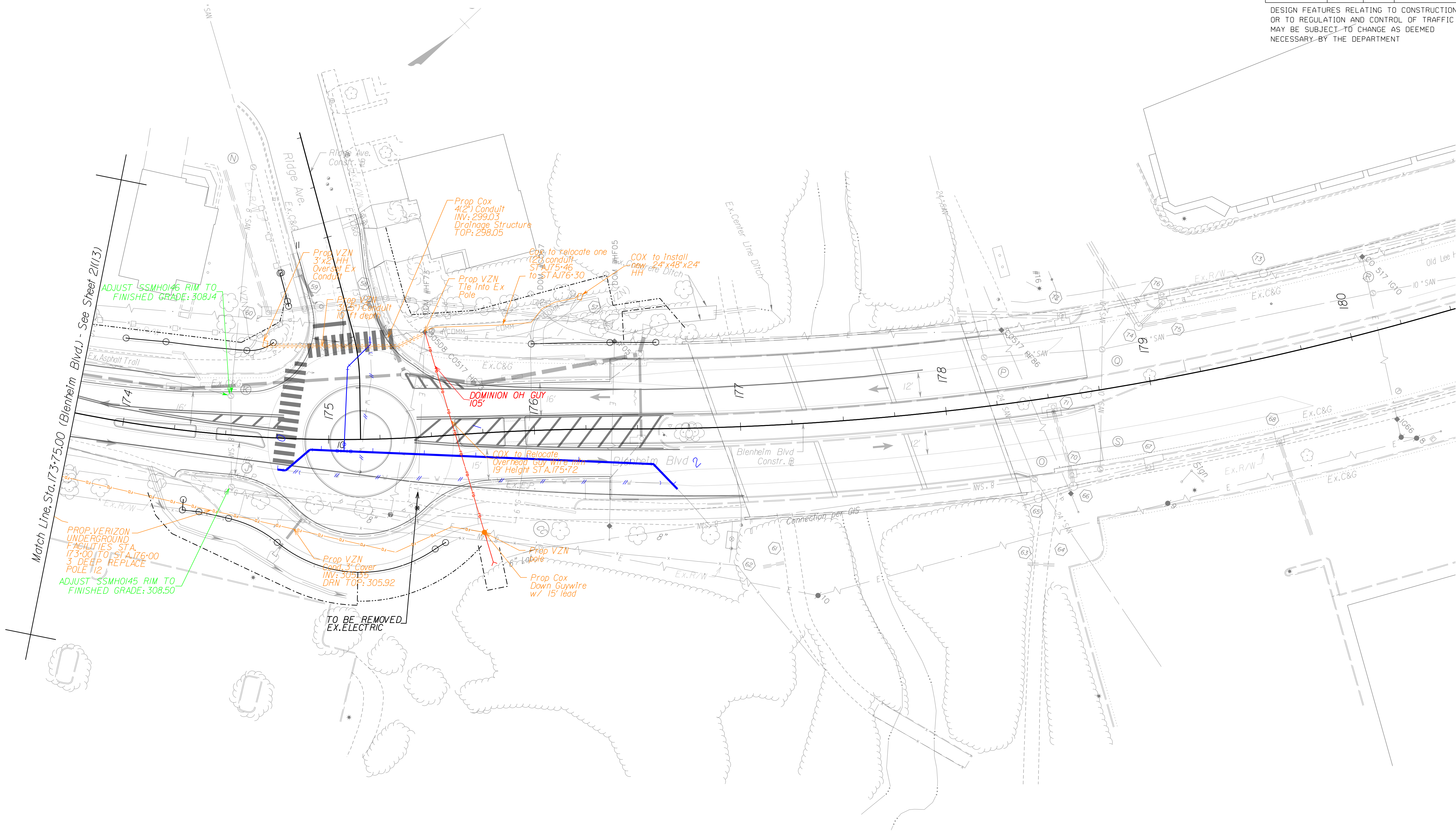


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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	

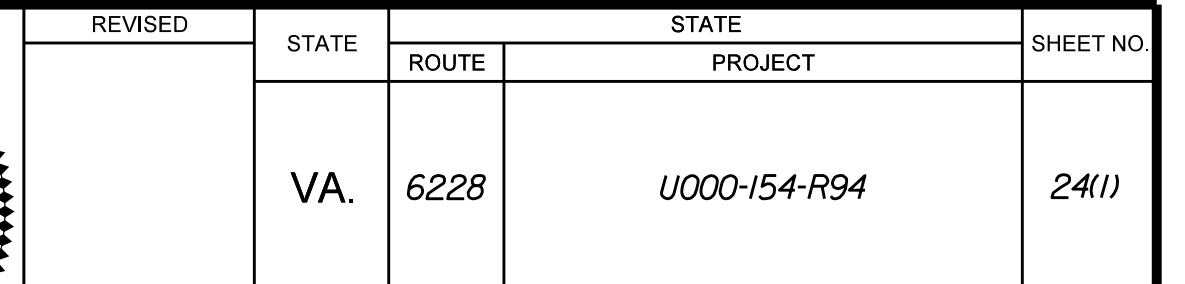
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



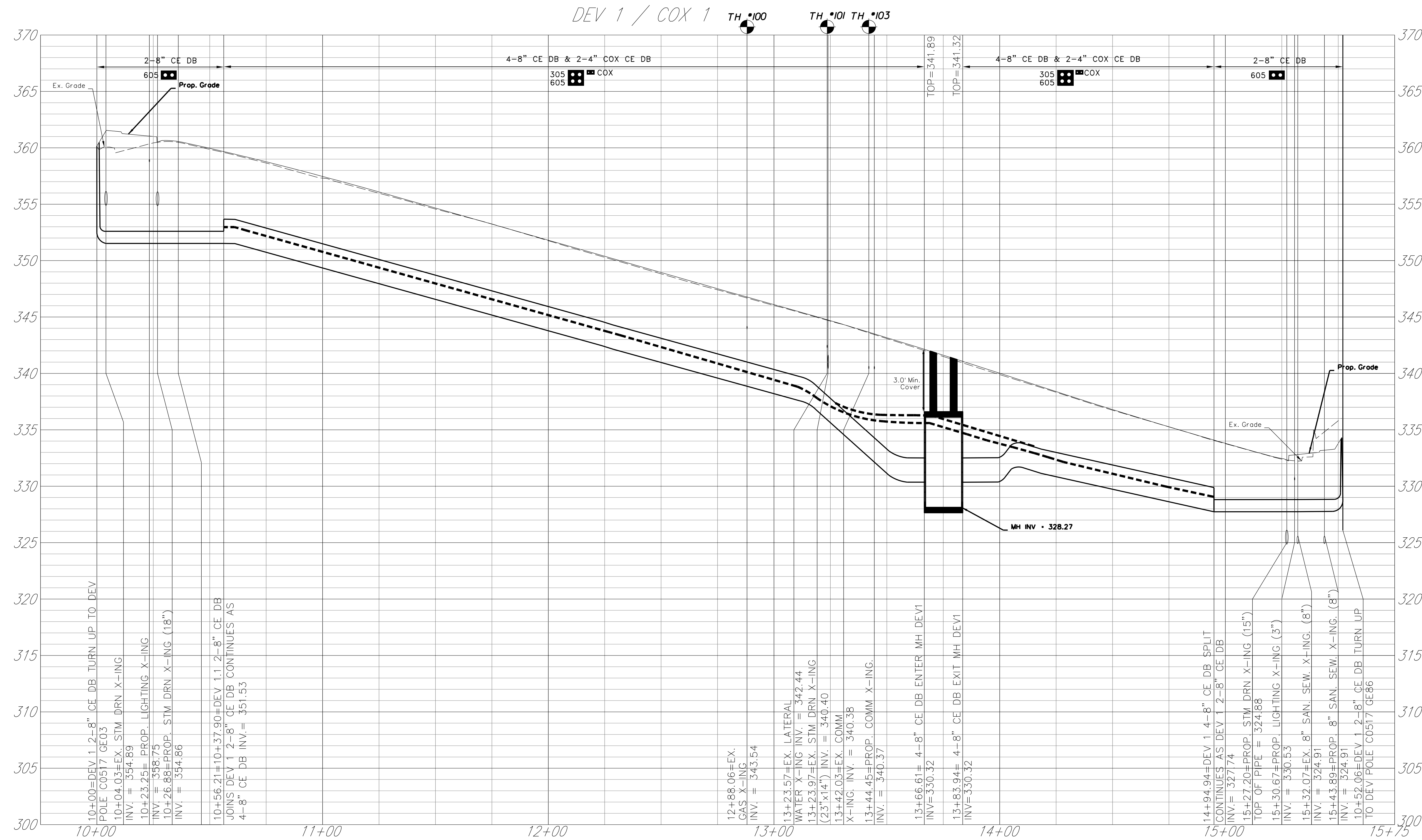
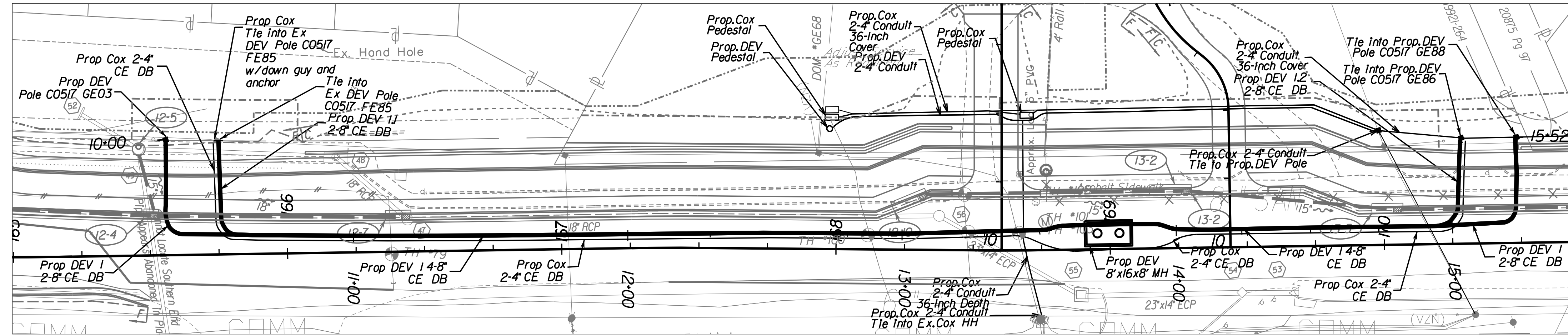
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

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

DRY UTILITY PLAN & PROFILE



Rinker Design Assoc. LLC
Manassas, Virginia
UTILITY ENGINEER

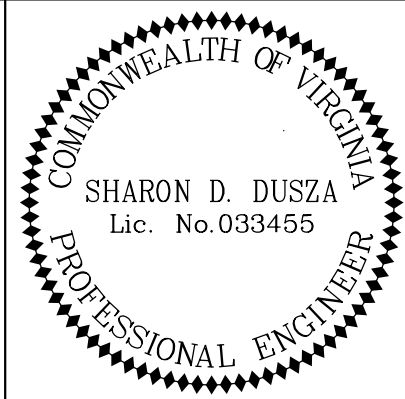


_____ DOMINION CONDUITS
 - - - - - COMM CONDUITS

SHEET NO.
24(1)

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)

DRY UTILITY PLAN & PROFILE

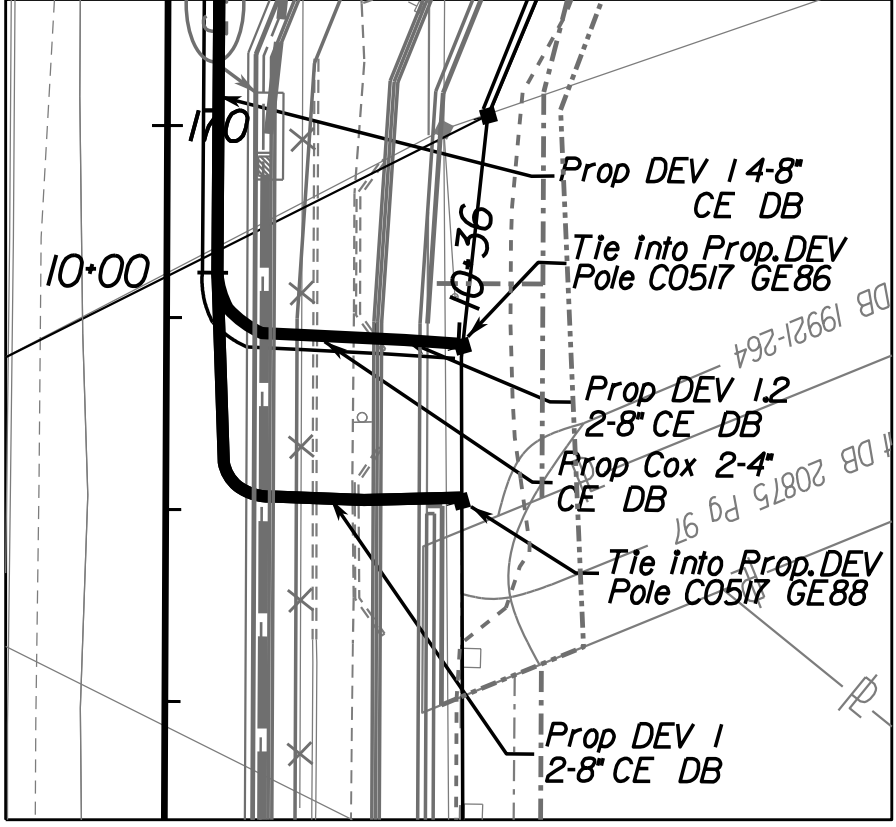
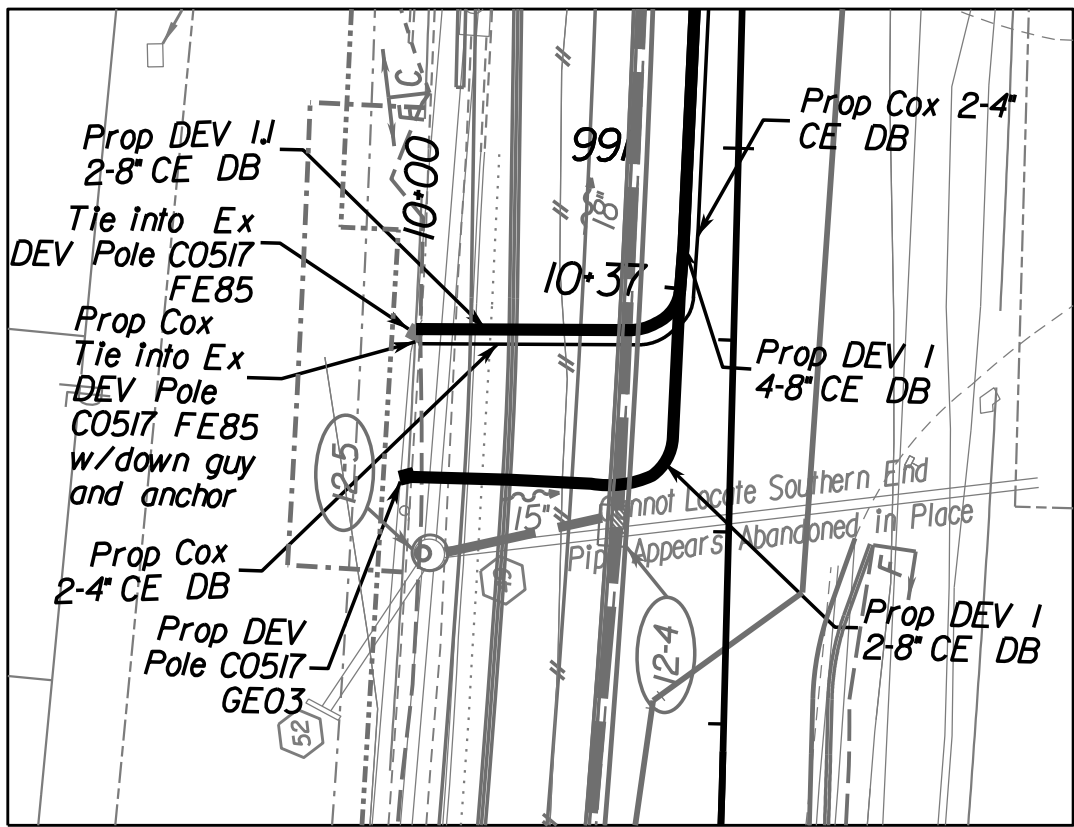


SHARON D. DUSZA
Lic. No. 033455
PROFESSIONAL ENGINEER

Rinker Design Assoc. LLC
Manassas, Virginia
UTILITY ENGINEER

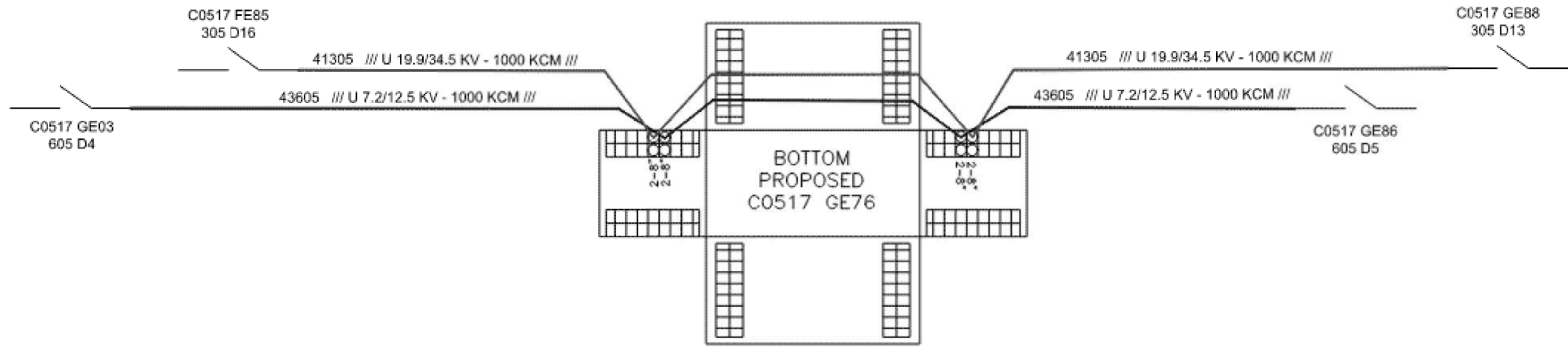
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-154-R94	24(2)

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



- NOTES:
- 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.
 - 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 (NEC) UNLESS OTHERWISE NOTED.
 - 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.
 - 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.
 - ALL WORK SHALL BE DONE IN CONFORMANCE WITH DOMINION ENERGY AND CITY OF FAIRFAX STANDARDS AND SPECIFICATIONS.
 - ALL EXISTING POLES ARE TO BE SUPPORTED IF REQUIRED DURING CONSTRUCTION AS NECESSARY SO THAT EXISTING SERVICE IS NOT INTERRUPTED.
 - ANY SERVICE OUTAGES REQUIRED DUE TO CONSTRUCTION ARE TO BE COORDINATED WITH DOMINION ENERGY PRIOR TO THE START OF CONSTRUCTION.
 - CONTRACTOR TO COORDINATE LIMITS OF PAVEMENT RESTORATION (IF ANY) WITH JURISDICTION HAVING AUTHORITY.

MANHOLE BUTTERFLY

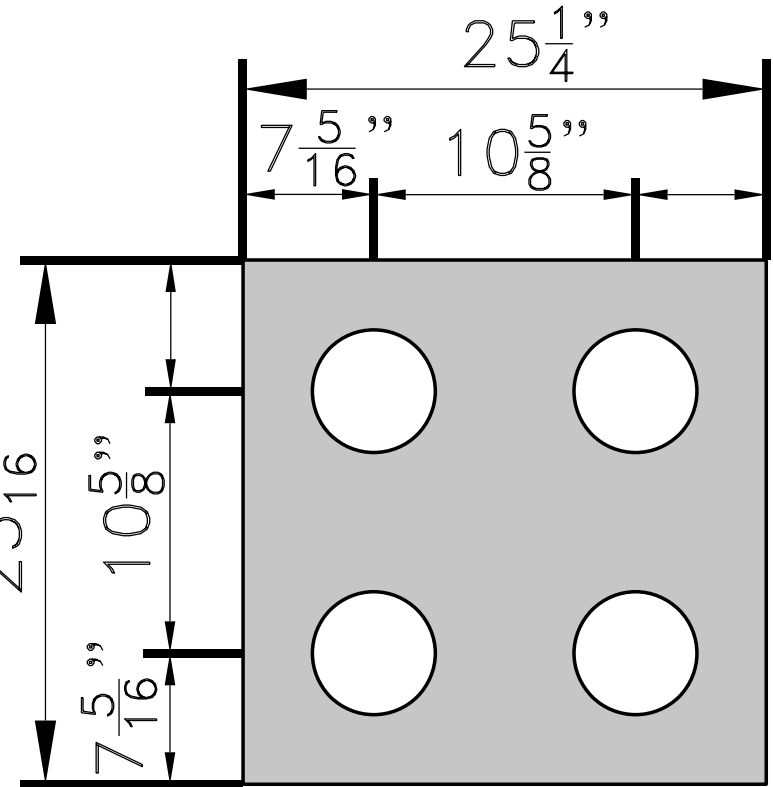


DUCT BANK FORMATION DETAILS

CE = CONCRETE ENCASED
NOT DRAWN TO SCALE

4 DUCTS STANDARD

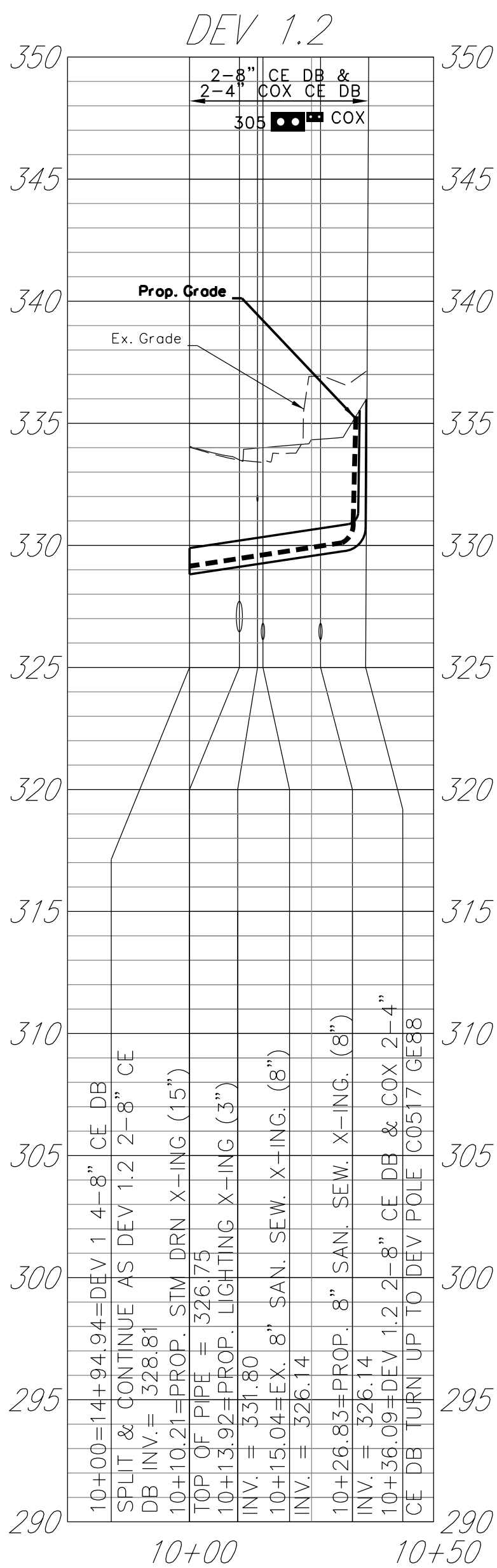
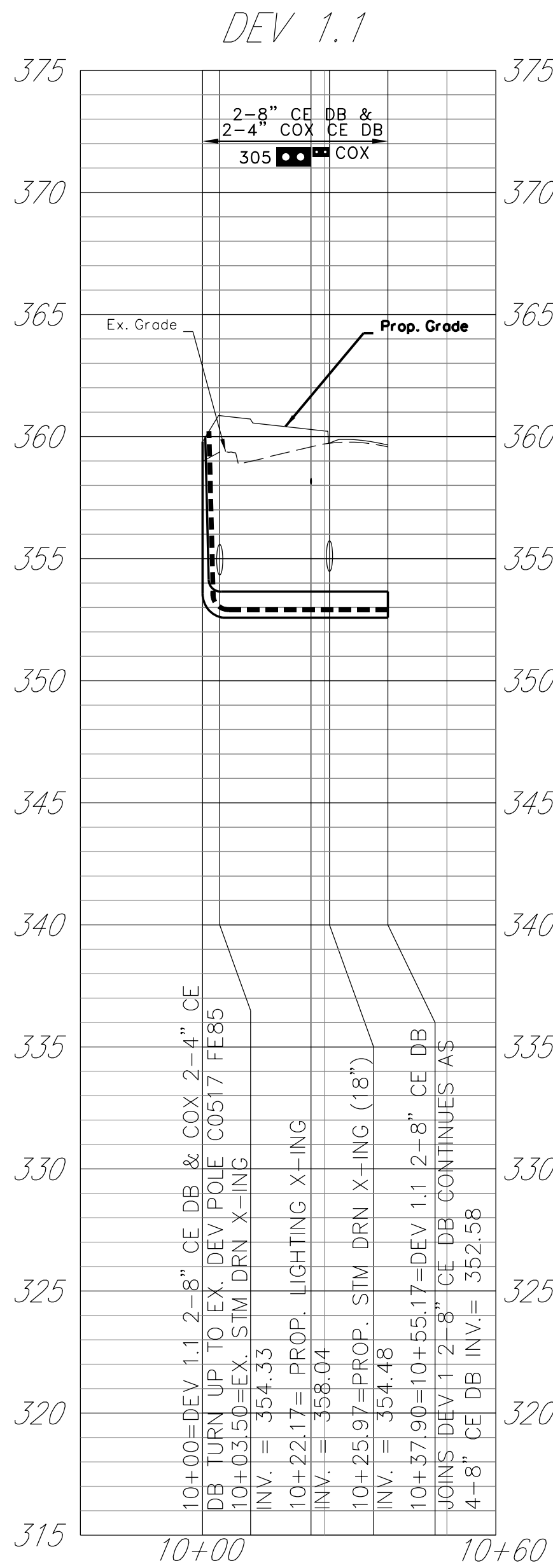
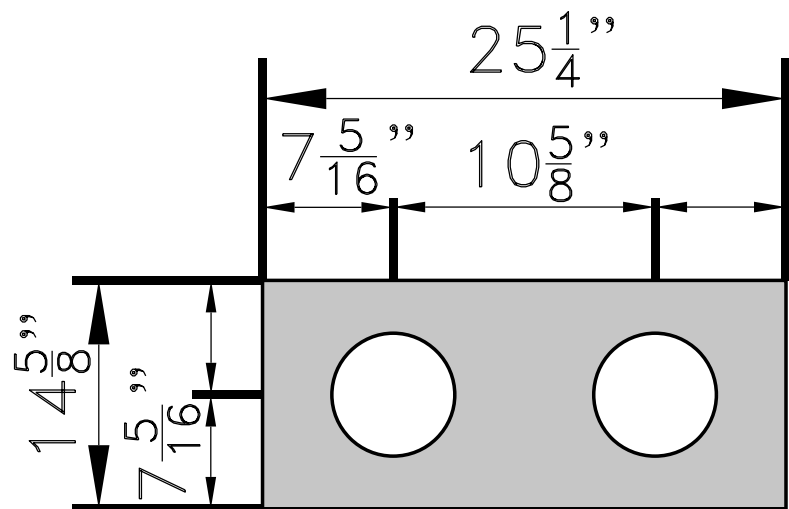
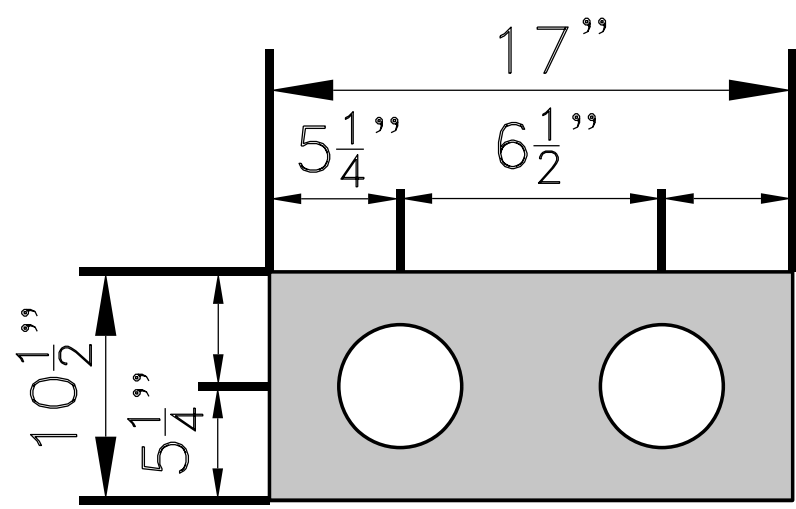
4-8" CE PVC (2WX2H)
(NOT TO SCALE)



2 DUCTS STANDARD

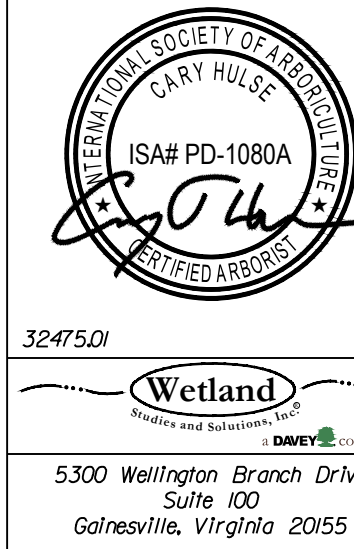
2-4" CE PVC (2WX1H)
(NOT TO SCALE)

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



CONDUIT LEGEND		PROJECT	SHEET NO.
	DOMINION CONDUITS	U000-154-R94	24(2)
	COMM CONDUITS		

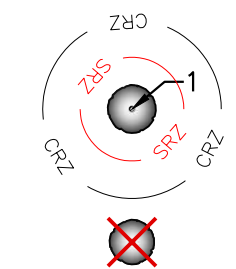
TREE PRESERVATION PLAN



REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(1)

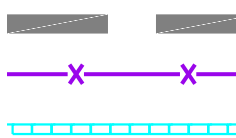


TREE PRESERVATION LEGEND



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

EXISTING TREE TO BE REMOVED



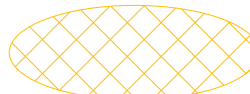
PROPOSED LIMITS OF DISTURBANCE (LOD)
PROPOSED SILT FENCE (SEE E&S SHEETS)
PROPOSED FILTER SOCK (SEE E&S SHEETS)



PROPOSED TREE PROTECTION FENCE
(SEE DETAIL & SPECIFICATIONS)



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)



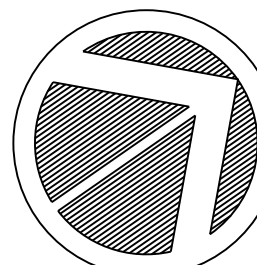
PROPOSED GRADE LIMITS (FILL AREAS)

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

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



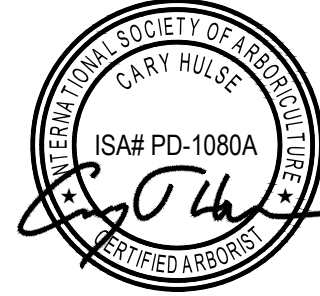
SCALE
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PROJECT	SHEET NO.
U000-151-R94	025(1)

FINAL PLANS

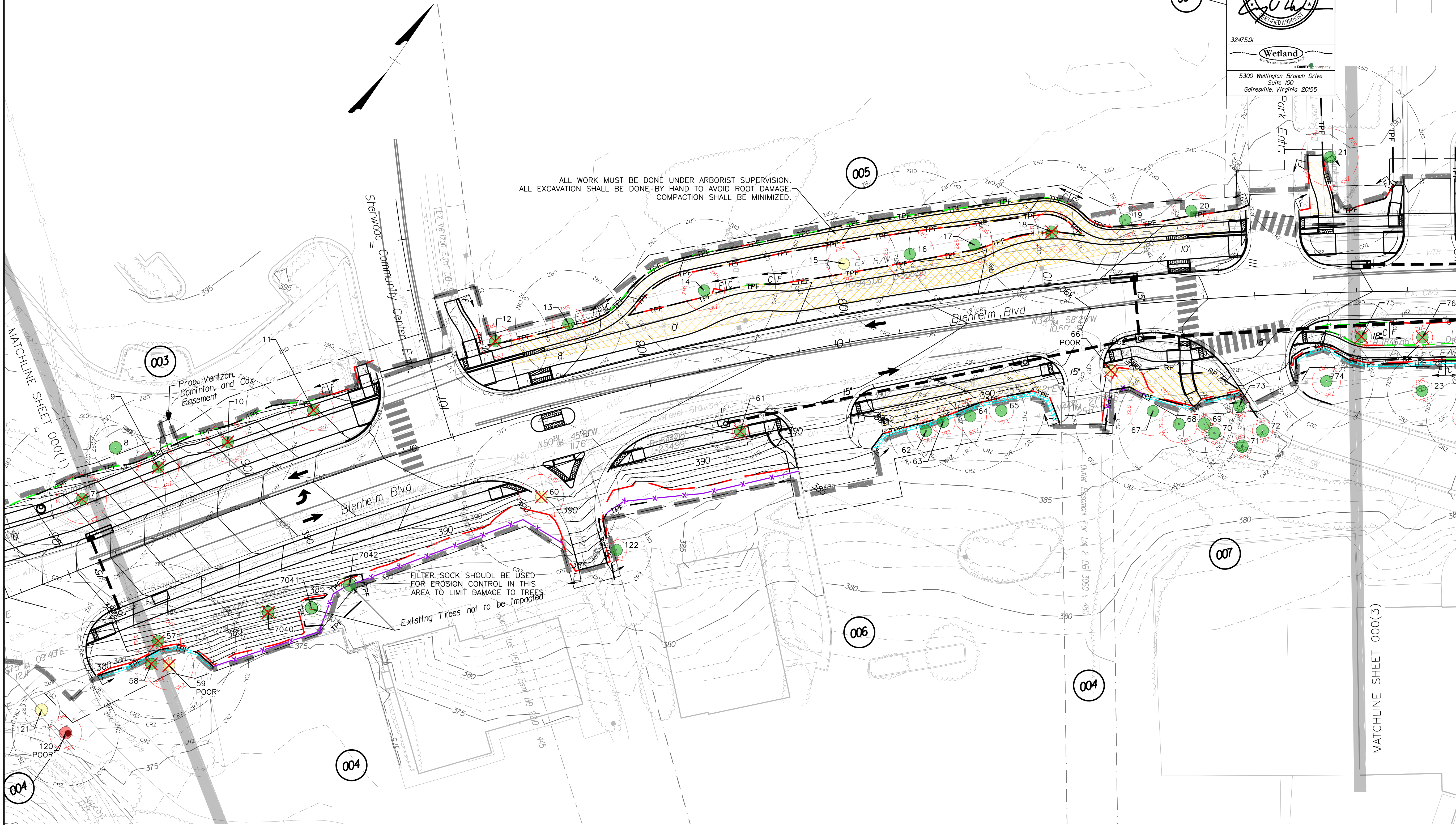
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AND ARE NOT TO BE USED FOR CONSTRUCTION.

TREE PRESERVATION PLAN

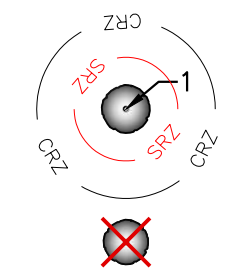


32475.01
Wetland
a DAVEY company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(2)

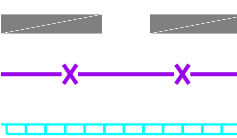


TREE PRESERVATION LEGEND



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)



PROPOSED TREE PROTECTION FENCE
(SEE DETAIL & SPECIFICATIONS)



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)



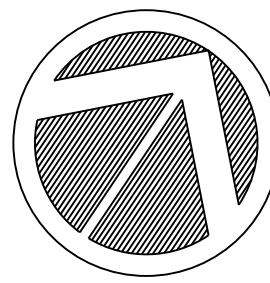
PROPOSED GRADE LIMITS (FILL AREAS)

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

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



SCALE
0 25' 50'

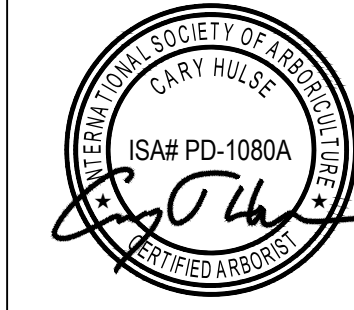
PROJECT
U000-151-R94

SHEET NO.
025(2)

FINAL PLANS

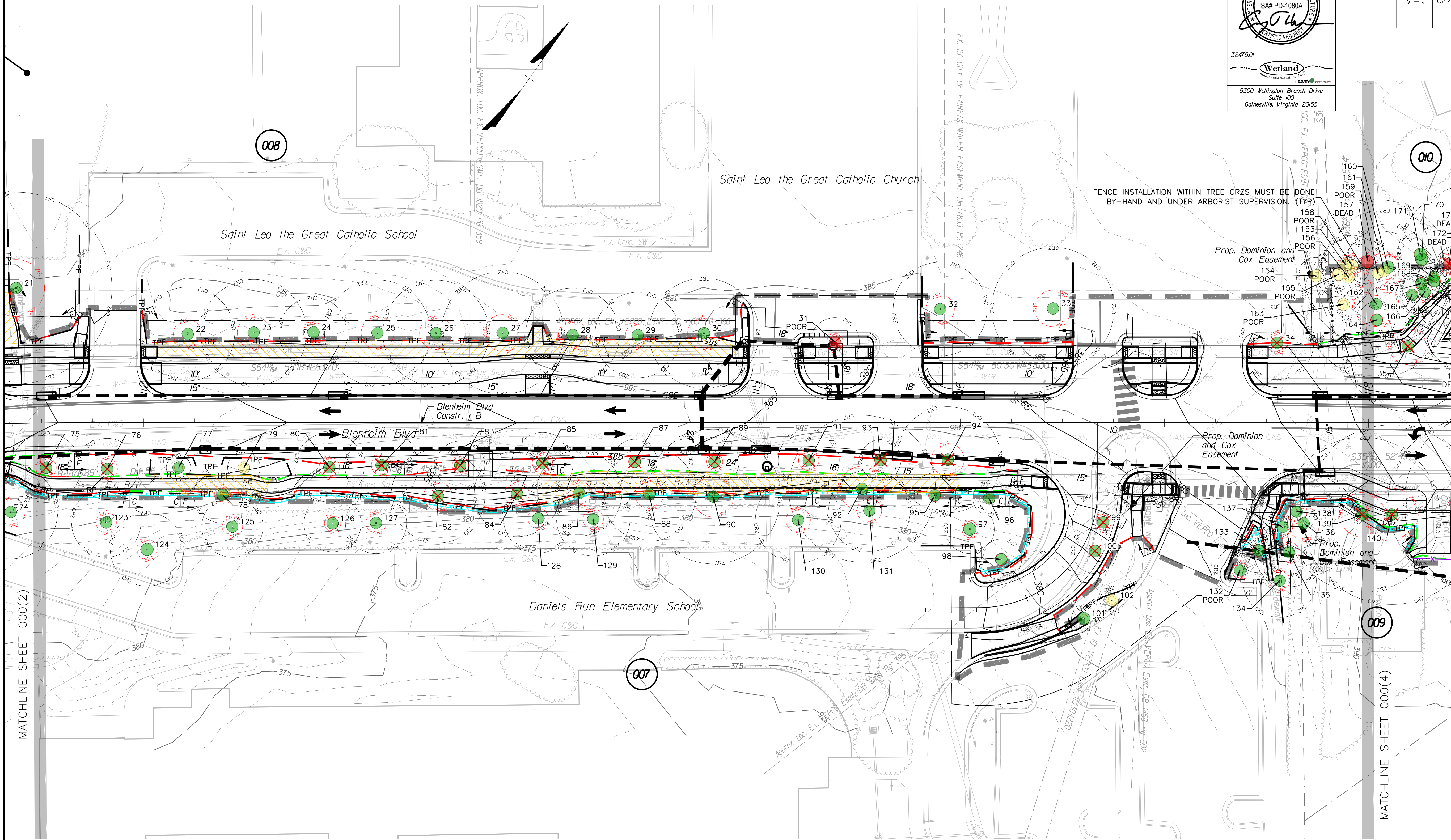
THESE PLANS ARE UNFINISHED AND UNAPPROVED
AND ARE NOT TO BE USED FOR CONSTRUCTION.

TREE PRESERVATION PLAN

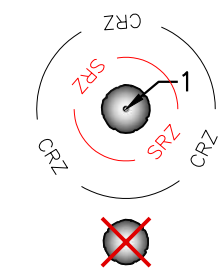


Wetland
a DAVEY company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

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

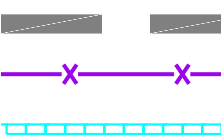


TREE PRESERVATION LEGEND



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

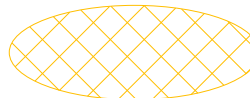
EXISTING TREE TO BE REMOVED



PROPOSED LIMITS OF DISTURBANCE (LOD)
PROPOSED SILT FENCE (SEE E&S SHEETS)
PROPOSED FILTER SOCK (SEE E&S SHEETS)

TPF

RP



PROPOSED TREE PROTECTION FENCE
(SEE DETAIL & SPECIFICATIONS)

PROPOSED ROOT PRUNING
(SEE DETAIL & SPECIFICATIONS)

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

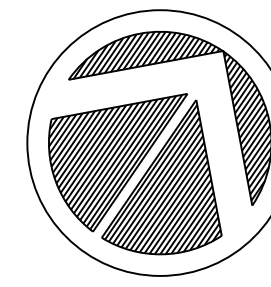
PROPOSED GRADE LIMITS (CUT AREAS)
PROPOSED GRADE LIMITS (FILL AREAS)

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

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



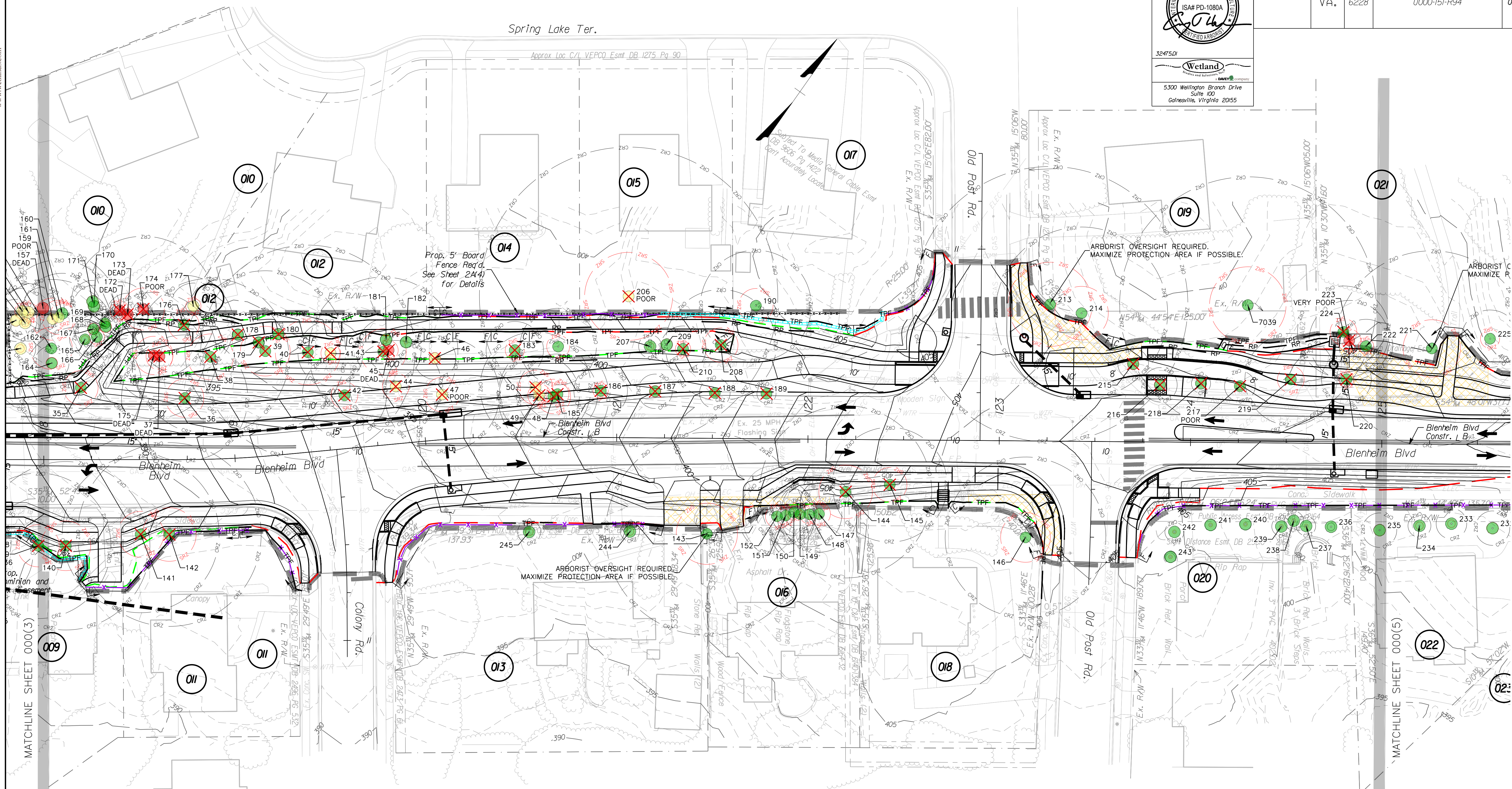
SCALE
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PROJECT
U000-151-R94

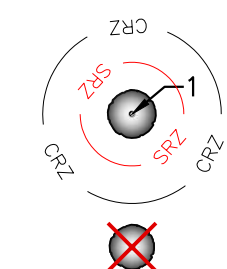
SHEET NO.
025(3)

FINAL PLANS

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TREE PRESERVATION LEGEND

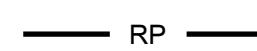


EXISTING TREE TO REMAIN
WITH CRITICAL ROOT ZONE (CRZ) &
STRUCTURAL CRITICAL ROOT ZONE (SRZ)

EXISTING TREE TO BE REMOVED



PROPOSED TREE PROTECTION FENCE
(SEE DETAIL & SPECIFICATIONS)



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)

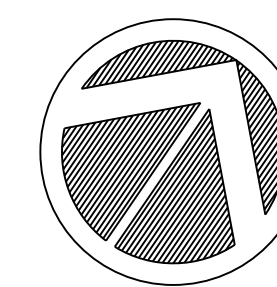


PROPOSED GRADE LIMITS (FILL AREAS)

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



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

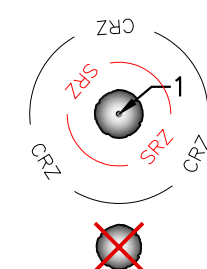
	PROJECT <i>U000-151-R94</i>	SHEET NO. <i>025(4)</i>
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FINAL PLANS

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



TREE PRESERVATION LEGEND



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

EXISTING TREE TO BE REMOVED



PROPOSED TREE PROTECTION FENCE
(SEE DETAIL & SPECIFICATIONS)



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)

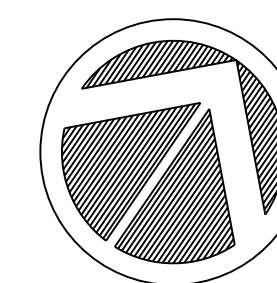


PROPOSED GRADE LIMITS (FILL AREAS)

TREE PRESERVATION PRIORITY

-  HIGH PRIORITY FOR PRESERVATION
-  MODERATE PRIORITY FOR PRESERVATION
-  LOW PRIORITY FOR PRESERVATION
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REFERENCES
(PROFILES, DETAIL & DRAINAGE
DESCRIPTION SHEETS, ETC.)

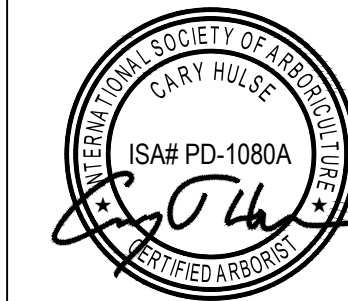
	PROJECT <i>U000-151-R94</i>	SHEET NO. <i>025(5)</i>
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FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED
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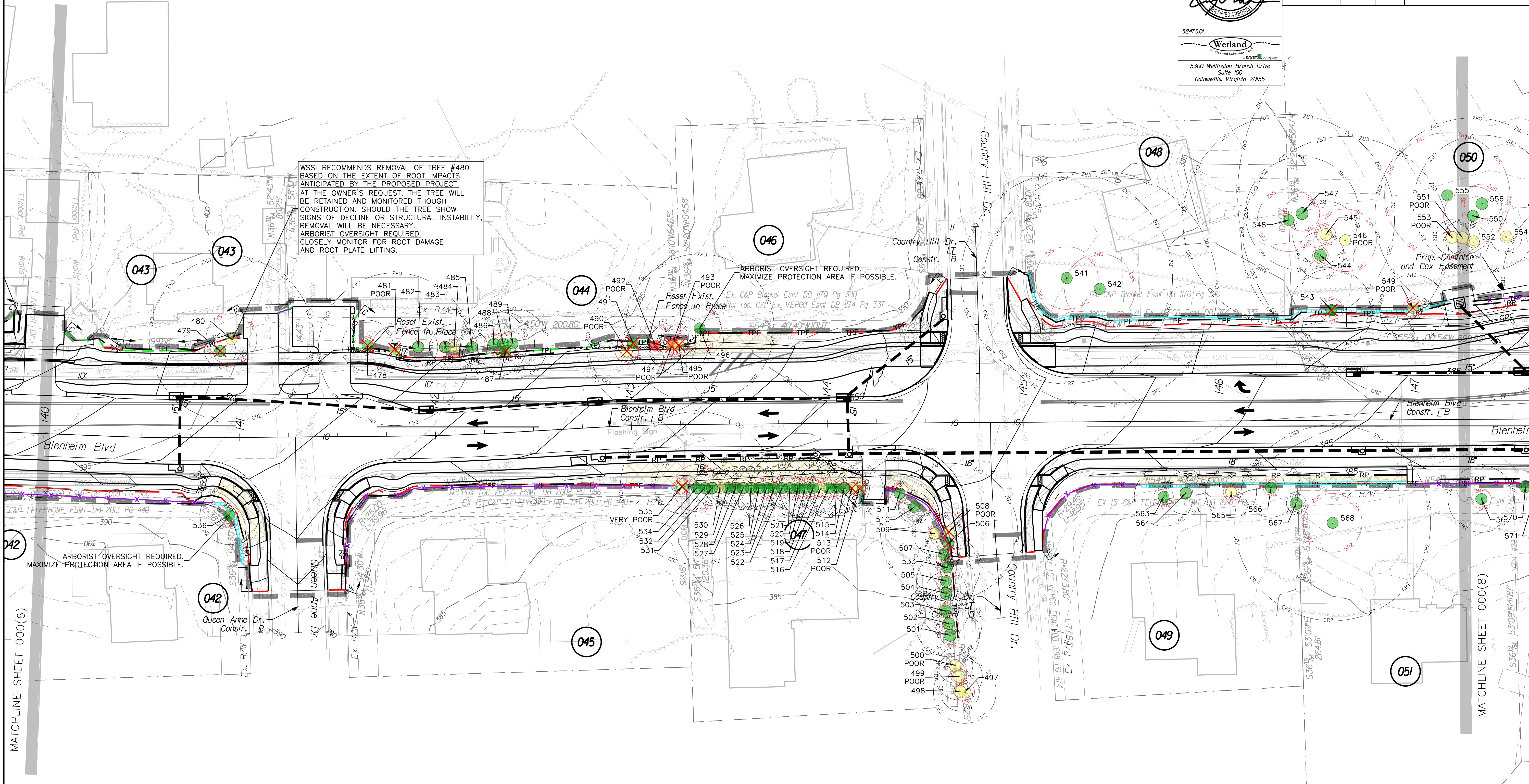
005(C)

TREE PRESERVATION PLAN

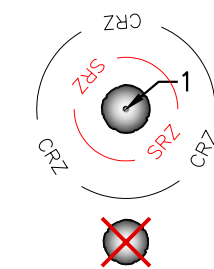


32475.01
Wetland
Invasive and Submersive Plant
DAVEY company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(7)

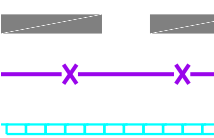


TREE PRESERVATION LEGEND



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)



PROPOSED TREE PROTECTION FENCE
(SEE DETAIL & SPECIFICATIONS)



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)



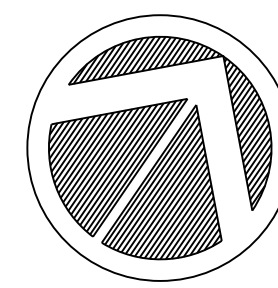
PROPOSED GRADE LIMITS (FILL AREAS)

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

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



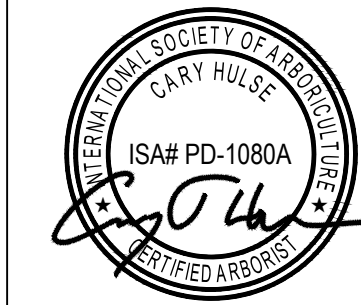
SCALE
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PROJECT	SHEET NO.
U000-151-R94	025(7)

FINAL PLANS

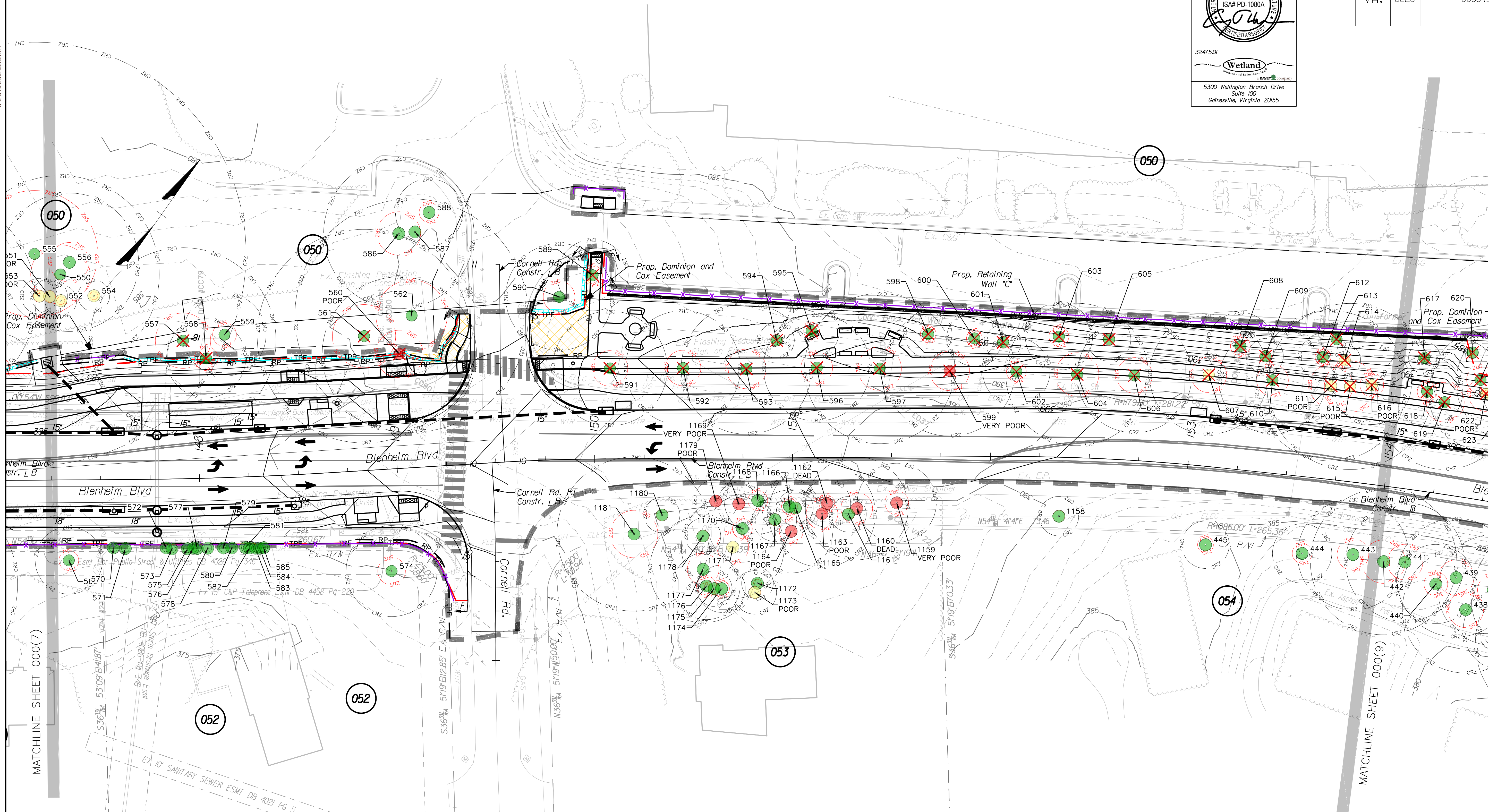
THESE PLANS ARE UNFINISHED AND UNAPPROVED
AND ARE NOT TO BE USED FOR CONSTRUCTION.

TREE PRESERVATION PLAN

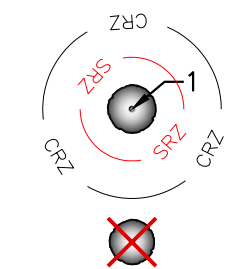


32475.01
Wetland
a DAVEY company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

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

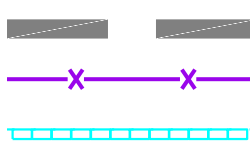


TREE PRESERVATION LEGEND



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

EXISTING TREE TO BE REMOVED



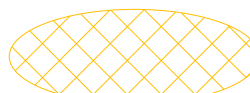
PROPOSED LIMITS OF DISTURBANCE (LOD)
PROPOSED SILT FENCE (SEE E&S SHEETS)
PROPOSED FILTER SOCK (SEE E&S SHEETS)



PROPOSED TREE PROTECTION FENCE
(SEE DETAIL & SPECIFICATIONS)



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)



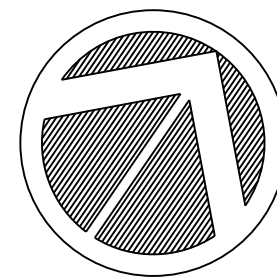
PROPOSED GRADE LIMITS (FILL AREAS)

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

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



SCALE
0 25' 50'

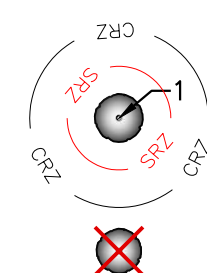
PROJECT	SHEET NO.
U000-151-R94	025(8)

FINAL PLANS

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



TREE PRESERVATION LEGEND



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

EXISTING TREE TO BE REMOVED



PROPOSED TREE PROTECTION FENCE
(SEE DETAIL & SPECIFICATIONS)



PROPOSED ROOT PRUNING
(SEE DETAIL & SPECIFICATIONS)

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

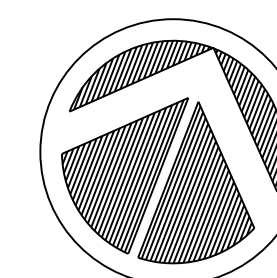


PROPOSED GRADE LIMITS (CUT AREAS)
PROPOSED GRADE LIMITS (FILL AREAS)

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



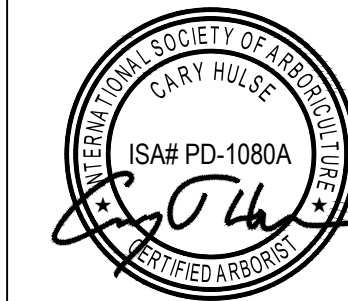
REFERENCES
(PROFILES, DETAIL & DRAINAGE
DESCRIPTION SHEETS, ETC.)

	PROJECT <i>U000-151-R94</i>	SHEET NO. <i>025(9)</i>
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FINAL PLANS

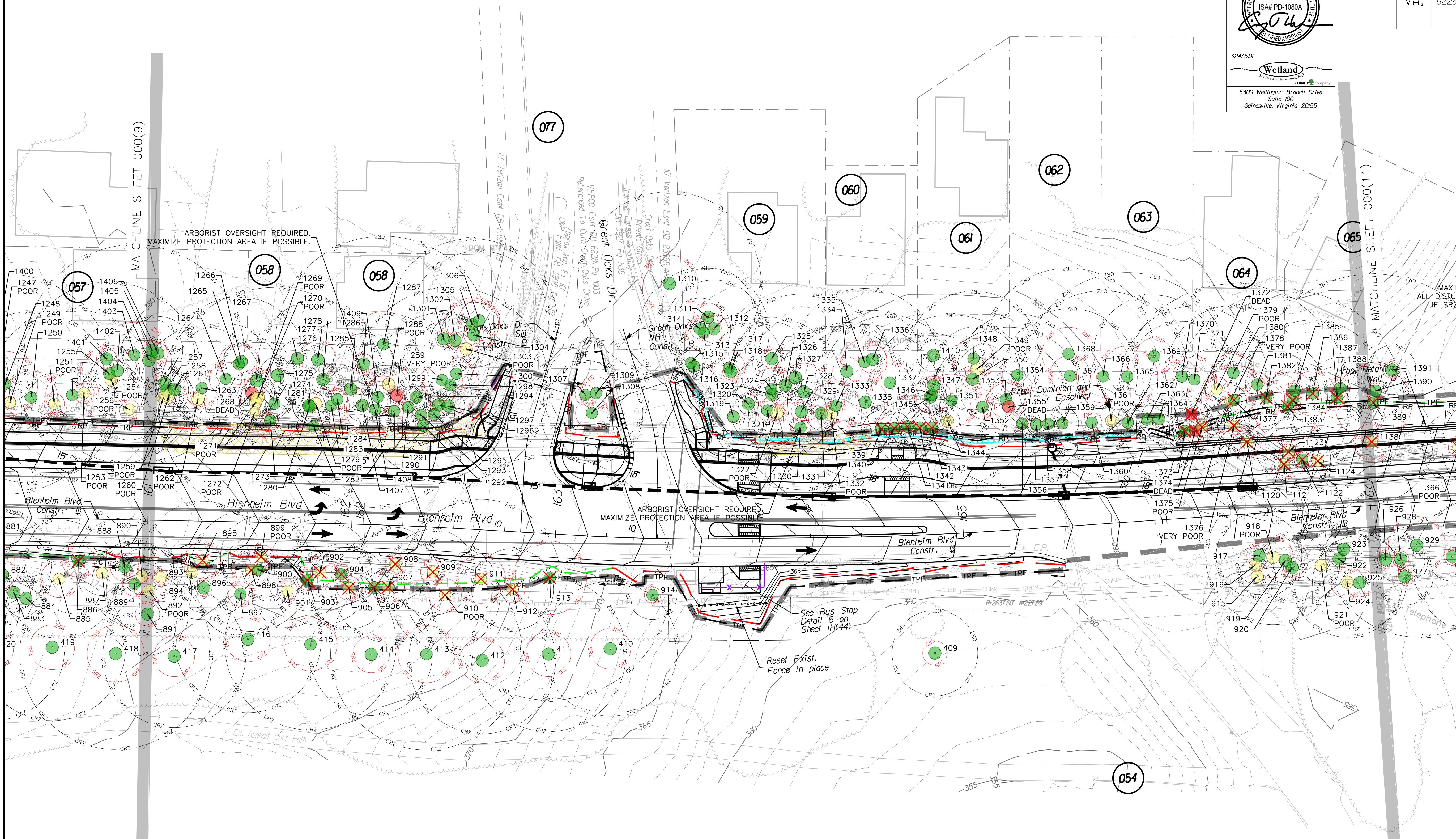
THESE PLANS ARE UNFINISHED AND UNAPPROVED
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TREE PRESERVATION PLAN

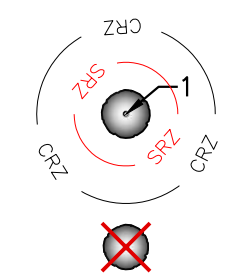


32475.01
Wetland
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

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

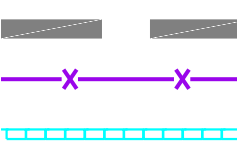


TREE PRESERVATION LEGEND

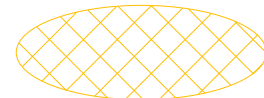


EXISTING TREE TO REMAIN
WITH CRITICAL ROOT ZONE (CRZ) &
STRUCTURAL CRITICAL ROOT ZONE (SRZ)

EXISTING TREE TO BE REMOVED



PROPOSED LIMITS OF DISTURBANCE (LOD)
PROPOSED SILT FENCE (SEE E&S SHEETS)
PROPOSED FILTER SOCK (SEE E&S SHEETS)



PROPOSED TREE PROTECTION FENCE
(SEE DETAIL & SPECIFICATIONS)

PROPOSED ROOT PRUNING
(SEE DETAIL & SPECIFICATIONS)

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

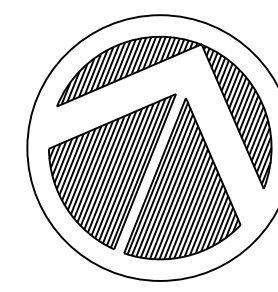
PROPOSED GRADE LIMITS (CUT AREAS)
PROPOSED GRADE LIMITS (FILL AREAS)

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

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



SCALE
0 25' 50'

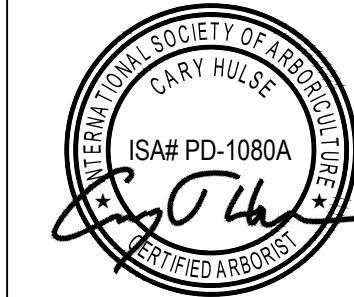
PROJECT
U000-151-R94

SHEET NO.
025(10)

FINAL PLANS

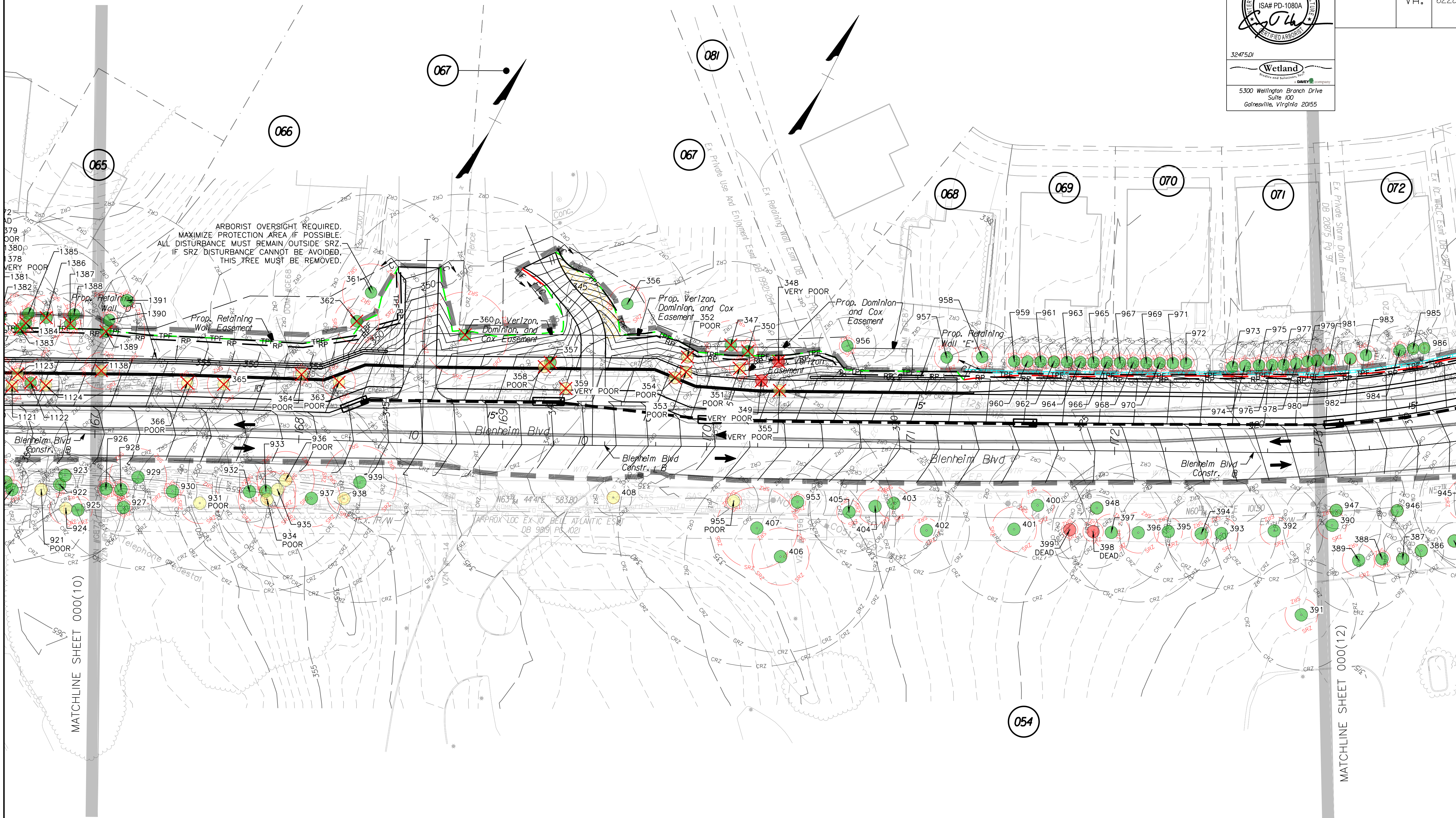
THESE PLANS ARE UNFINISHED AND UNAPPROVED
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TREE PRESERVATION PLAN

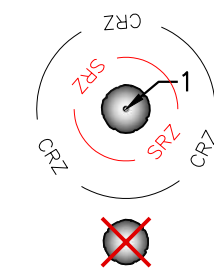


Wetland
a DAVEY company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

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



TREE PRESERVATION LEGEND



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



PROPOSED TREE PROTECTION FENCE
(SEE DETAIL & SPECIFICATIONS)



PROPOSED ROOT PRUNING
(SEE DETAIL & SPECIFICATIONS)



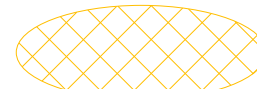
PROPOSED LIMITS OF DISTURBANCE (LOD)



PROPOSED SILT FENCE (SEE E&S SHEETS)



PROPOSED FILTER SOCK (SEE E&S SHEETS)



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



PROPOSED GRADE LIMITS (CUT AREAS)



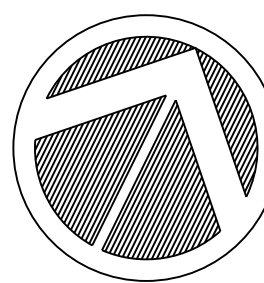
PROPOSED GRADE LIMITS (FILL AREAS)

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
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ROOT ZONES (SRZ) MUST BE AVOIDED

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



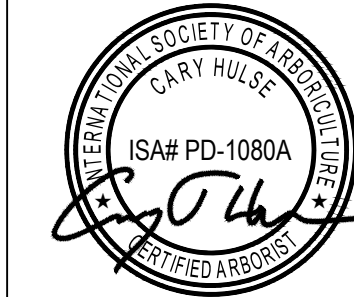
SCALE
0 25' 50'

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

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED
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TREE PRESERVATION PLAN

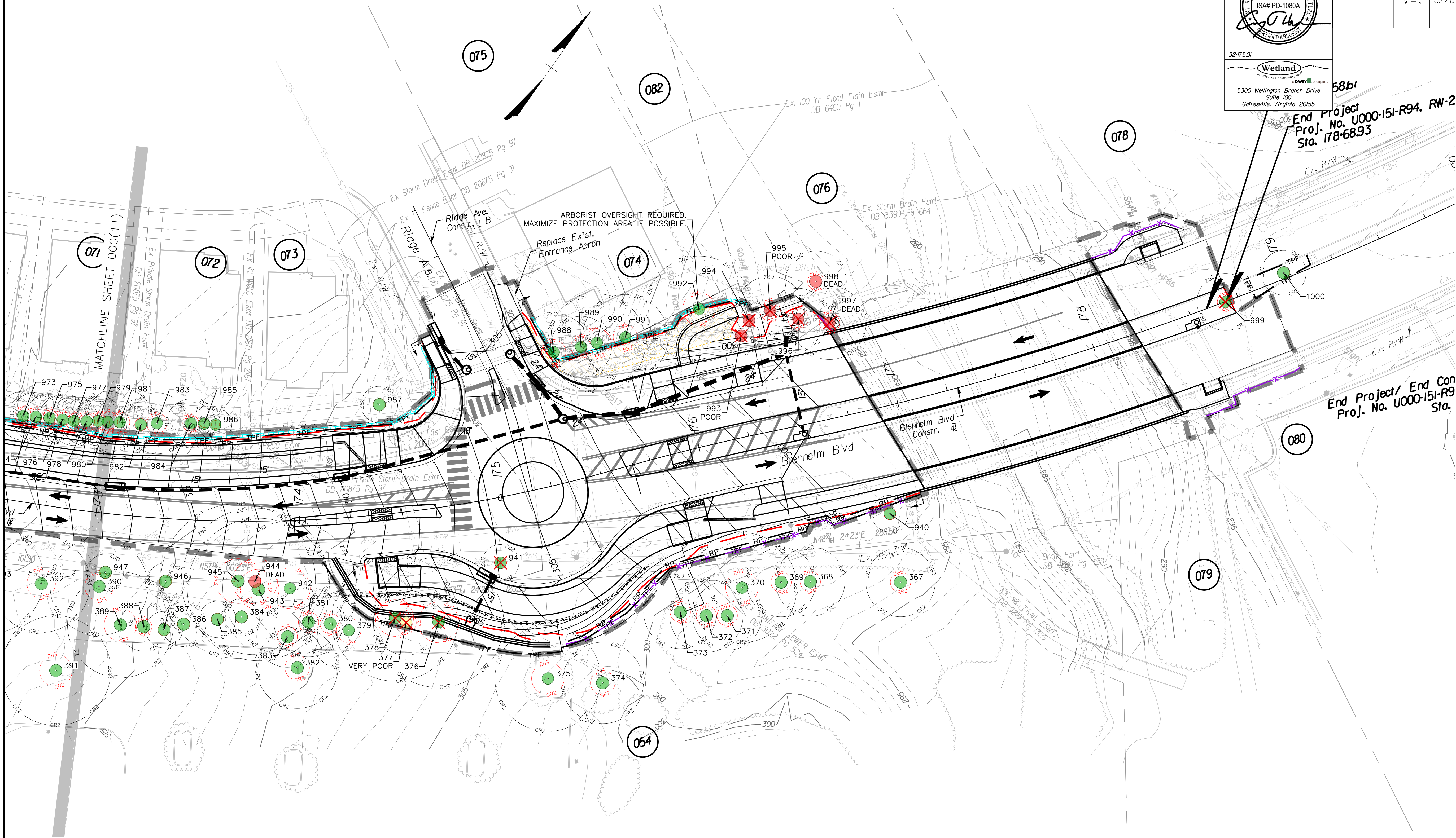


32475.01
Wetland
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

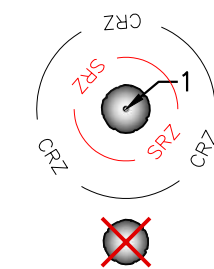
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	025(12)

58.61'
End Project
Proj. No. U000-151-R94, RW-2
Sta. 178+68.93

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

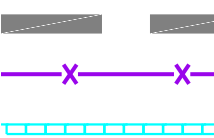


TREE PRESERVATION LEGEND



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)



PROPOSED TREE PROTECTION FENCE
(SEE DETAIL & SPECIFICATIONS)



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)



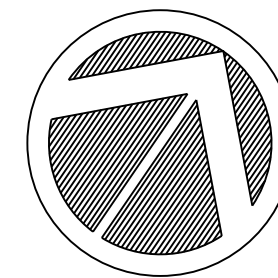
PROPOSED GRADE LIMITS (FILL AREAS)

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

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



SCALE
0 25' 50'

FINAL PLANS

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



	REVISED	STATE	ROUTE	PROJECT	SHEET NO.
 ISA# PD-1080A <i>[Signature]</i> CERTIFIED ARBORIST	VA.	6228	U000-151-R94		025 (13)
3247501 5300 Wellington Branch Drive Suite 100 Gainesville, Virginia 20155 DAVEY COMPANY					
<u>DEFINITIONS</u> 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.					
<u>TREE PRESERVATION NOTES:</u> - TREE LOCATIONS MAY BE APPROXIMATE. OWNER AND CONTRACT ARBORIST SHALL VERIFY ALL TREE LOCATIONS AND CONDITIONS PRIOR TO CONSTRUCTION AND/OR TREATMENT OR REMOVAL. - 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. - 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.					
<u>TREE ASSESSMENT NOTES:</u> - THE INSPECTION OF THESE TREES CONSISTED SOLELY OF A VISUAL INSPECTION FROM THE GROUND. - 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.)					
			PROJECT U000-151-R94	SHEET NO. 025 (13)	

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

- The requirements of the City of Fairfax Zoning Ordinance and Public Facilities Manual shall be followed.
- No changes shall be made to tree conservation unless directed or approved by Fairfax City Urban Forester.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- Any substitutions or changes to the approved landscape plan shall be requested and approved by Fairfax City Urban Forester prior to installation.
- 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.
- 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.
- 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.

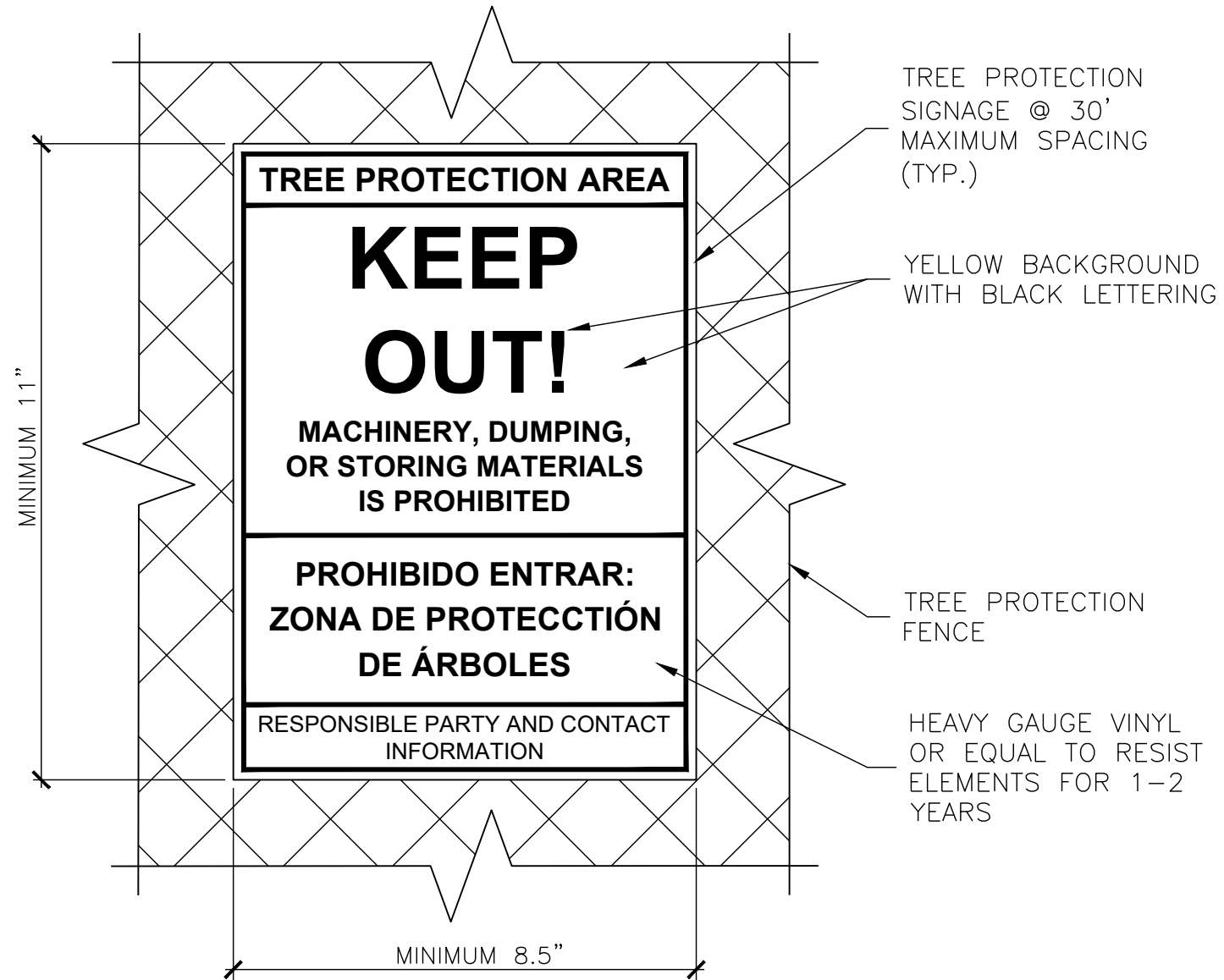


Department of Public Works
10455 Armstrong Street
Fairfax, VA 22030-3630

CITY of FAIRFAX
USE WITH THE FAIRFAX STANDARD SPECIFICATIONS ONLY
www.fairfaxva.gov

TREE CONSERVATION AND LANDSCAPING NOTES

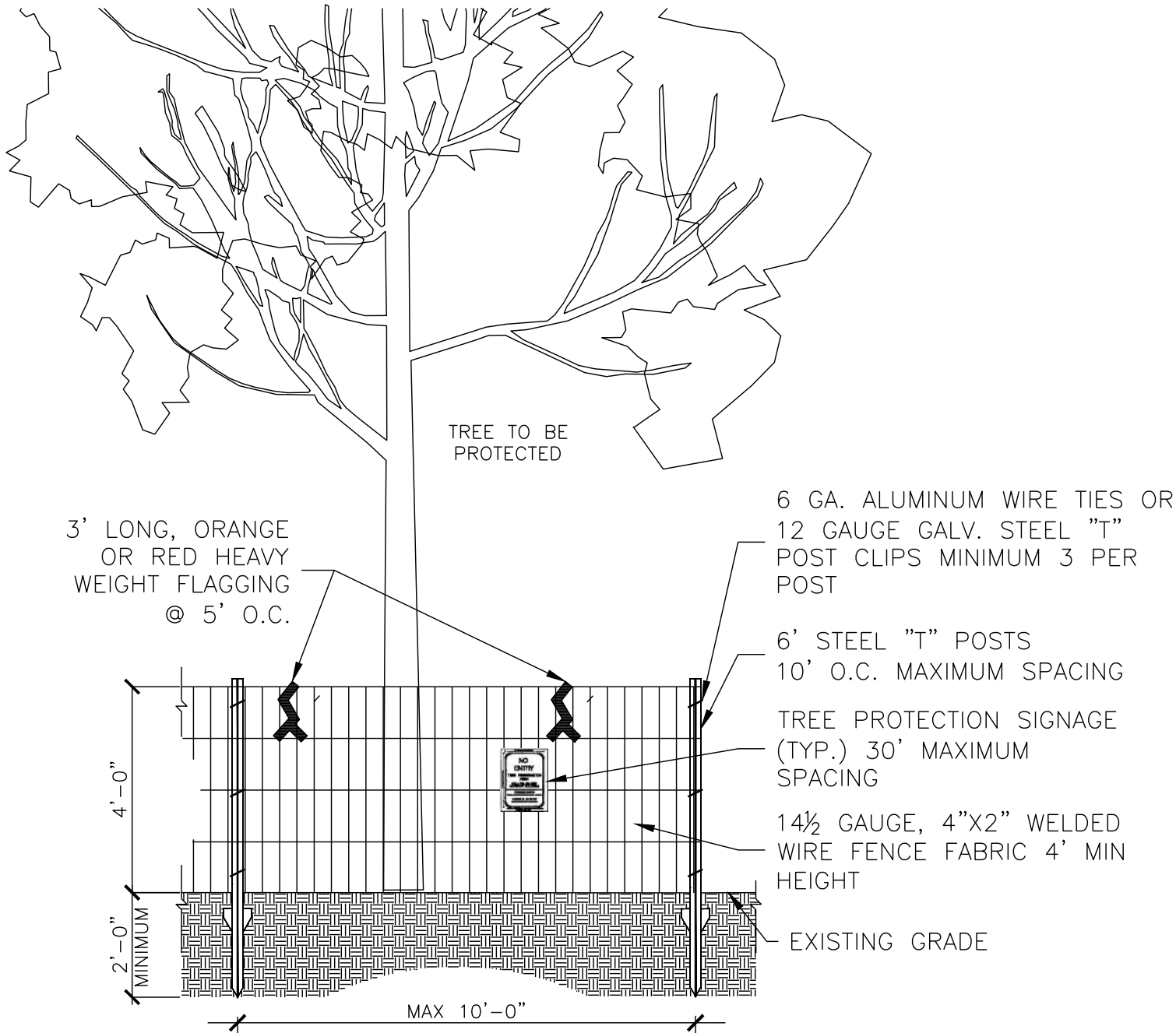
SCALE: NOT TO SCALE	SHEET #: 1 of 1
REVISION DATE: JULY 2024	



NOTES:

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

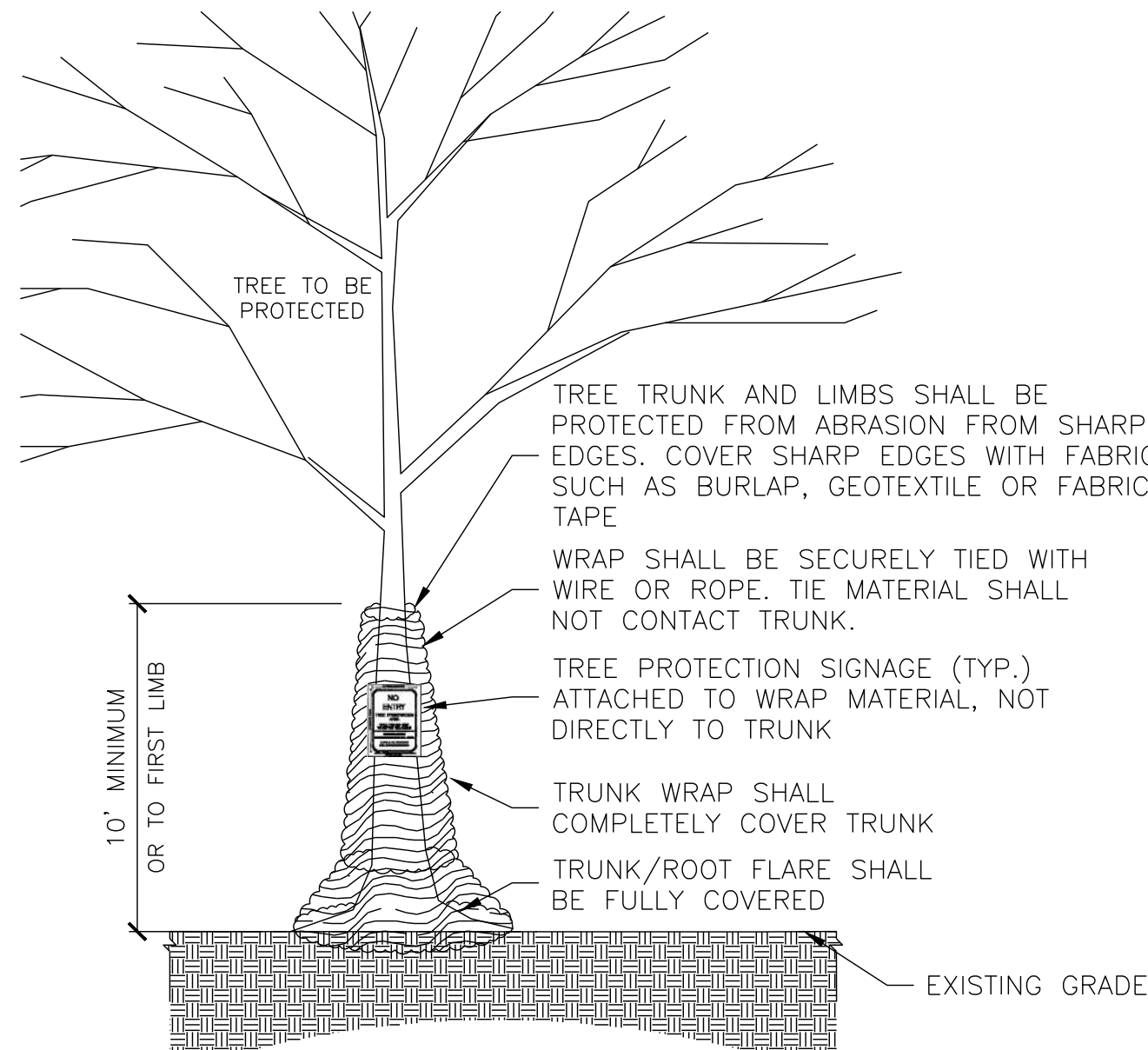
3 TREE PROTECTION AREA SIGN (TYPICAL)
SCALE: NTS



NOTES:

- TREE PROTECTION FENCE SHALL BE INSTALLED PRIOR TO ANY SITE WORK, CLEARING OR DEMOLITION.
- 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.
- TREE PROTECTION FENCE SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. REMOVE FENCE ONLY WITH APPROVAL AND AFTER ALL SITE WORK HAS BEEN COMPLETED.

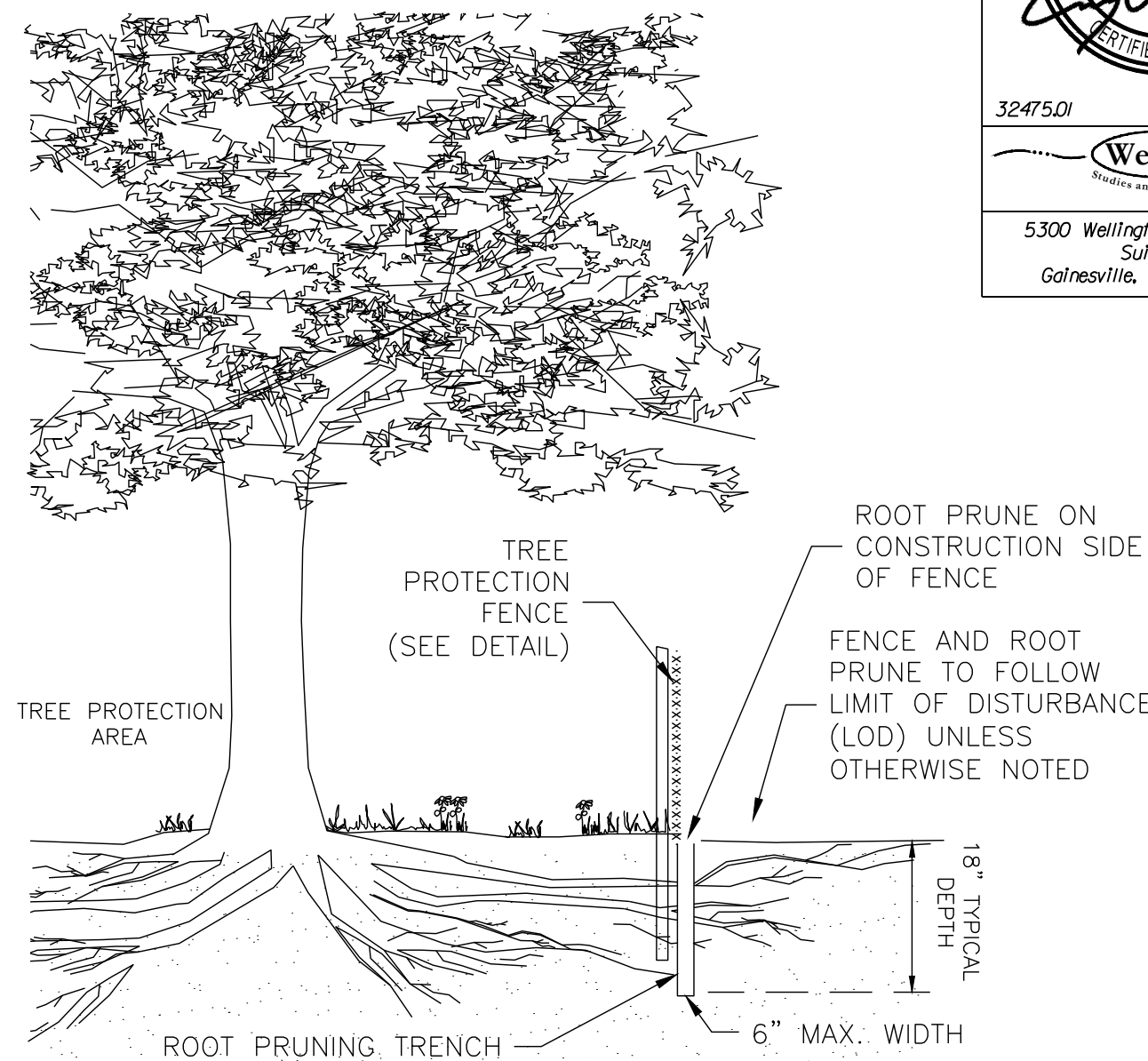
1 WELDED WIRE TREE PROTECTION FENCE (TYPICAL)
SCALE: NTS



NOTES:

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

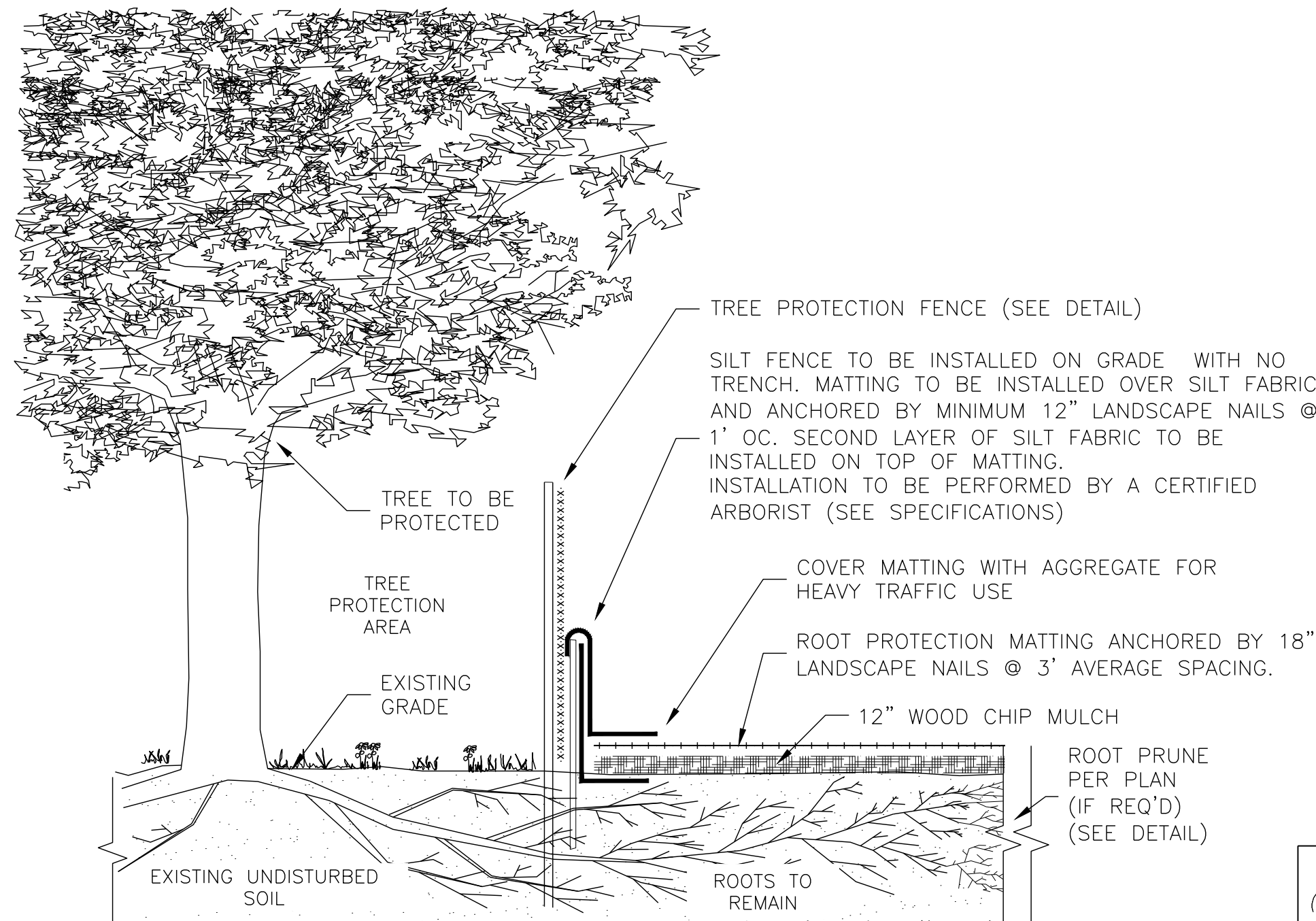
4 TREE TRUNK & LIMB PROTECTION WRAP (TYP)
SCALE: NTS



NOTES:

- 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.
- EXACT LOCATION OF TREE PROTECTION AREAS SHALL BE STAKED OR FLAGGED PRIOR TO TRENCHING.
- TRENCH SHOULD BE BACKFILLED IMMEDIATELY OR INCORPORATED WITH SILT FENCE INSTALLATION.
- ROOTS SHOULD BE SEVERED BY ROCK SAW, TRENCHER, VIBRATORY PLOW OR APPROVED EQUIVALENT.
- 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.
- COORDINATE WITH SILT FENCE INSTALLATION (IF REQUIRED) TO MINIMIZE ROOT IMPACTS FROM ADDITIONAL TRENCHING.

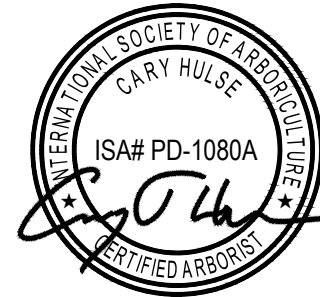
2 ROOT PRUNING (TYPICAL)
SCALE: NTS



NOTES:

- MATting MATERIAL SHALL BE DOUBLE SIDED GEOCOMPOSITE, GEONET CORE WITH NON-WOVEN COVERING (SUCH AS TENSAR ROADRAIN RD7) OR APPROVED EQUIVALENT.
- RPM SHALL BE INSTALLED BY A CERTIFIED ARBORIST.
- TO BE USED FOR DESIGNATED TEMPORARY CONSTRUCTION ACCESS AND STOCKPILE AREAS.
- MATting SHALL BE PLACED ON 12" WOOD CHIP MULCH UNLESS OTHERWISE DIRECTED.
- 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 TEMPORARY ROOT PROTECTION MATTING (TYPICAL)
SCALE: NTS



Wetland
a DWYER company
5300 Wellington Branch Drive
Suite 100
Gainesville, Virginia 20155

REVISED	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)

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