

TOWN OF
VIENNA
since 1890

TOWN OF VIENNA DEPARTMENT OF PUBLIC WORKS

LOCUST STREET SE AND BRANCH ROAD SE SIDEWALK IMPROVEMENT PLAN

GRADING GENERAL NOTES

1. Earthwork quantities on this project are based on anticipated settlement and may require adjusting during construction.

DRAINAGE GENERAL NOTES

1. When Town of Vienna Curb and Gutter (see Town's detail this sheet) is specified on a radius (such as at a street intersection), the Town may approve a change in the cross slope of the gutter to facilitate proper drainage.

PAVEMENT GENERAL NOTES

1. The pavement materials on this project will be paid for on a tonnage basis. The weight will vary in accordance with the specific gravity of the aggregates and the asphaltic content of the mix actually used to secure the design depth. The weight of the asphalt concrete is based on 95% of the theoretical maximum density.

INCIDENTALS GENERAL NOTES

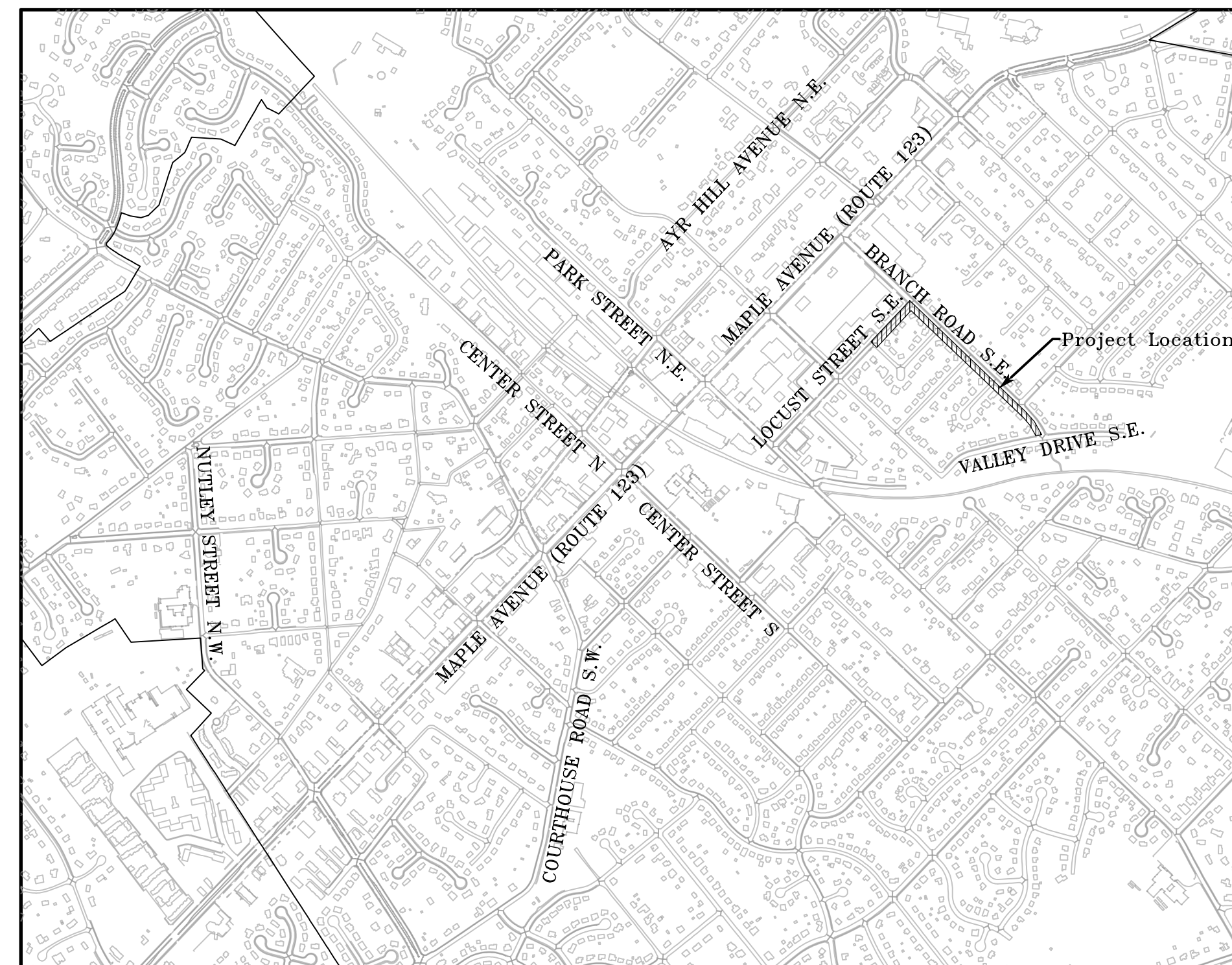
1. Certain trees shall be preserved as noted on plans or as directed by the Town.
2. When standard slope roundoffs would damage trees, bushes, or other desirable vegetation, they shall be omitted when so ordered by the Town.
3. Clearing and grubbing shall be confined to those areas needed for construction. No trees or shrubs in ungraded areas shall be cut without the permission of the Town.
4. The following outside sources, under contract with the Town, have provided information on this project:
Roadway Design Whitman, Requardt & Associates, LLP
Survey Rice Associates
Utility Designation Rice Associates
If questions arise during construction, please contact the Town. DO NOT CONTACT THE OUTSIDE SOURCES.
5. All electronic plan assemblies will include the construction plans in one format: .pdf files. Only the .pdf files will be considered as part of the official plan assembly.

UTILITIES GENERAL NOTES

1. The utility information shown on these plans is taken from information provided by an underground utility designating and locating company and in some cases, from information received from the utility companies. The Town does not guarantee that the utility information shown on the plans is complete or accurate. The Contractor must verify the utility locations prior to construction.
2. All existing underground utilities shall be marked in the field by Miss Utility prior to construction. The Contractor shall be responsible for scheduling the field marking of utilities with Miss Utility.
[Miss Utility 1-800-552-7011 or 811 VAB11.com](mailto:MissUtility@viennava.com)
3. All existing underground utilities shall be physically located by the Contractor prior to the beginning of any construction in the vicinity of these utilities.

TOWN OF VIENNA GENERAL NOTES

1. A Pre-Construction meeting must be held prior to the start of construction. The Contractor shall contact the Town to schedule the Pre-Construction meeting.
2. All construction generated debris must be hauled away by the Contractor.
3. Prior to the removal of any Town trees (trees within the Right of Way), the Contractor shall contact the Town arborist to coordinate having the Town arborist onsite during all Town tree removal.
4. Tree protection for any Town tree, if shown on the plan, must be installed prior to any work.
5. Clearing, grubbing, tree removal, root pruning and tree protection shall be in accordance with VDOT Road and Bridge Specifications and the Town's PFM and Tree Preservation and Planting Guide. The Contractor shall coordinate with the Town and property owners as directed by the Town prior to commencing any of these activities.



VICINITY MAP
SCALE: 1"=1,000'

100% DESIGN CONSTRUCTION DRAWINGS

REVISIONS	

CLIENT INFORMATION
TOWN OF VIENNA, VA
127 CENTER STREET SOUTH
VIENNA, VA, 22180

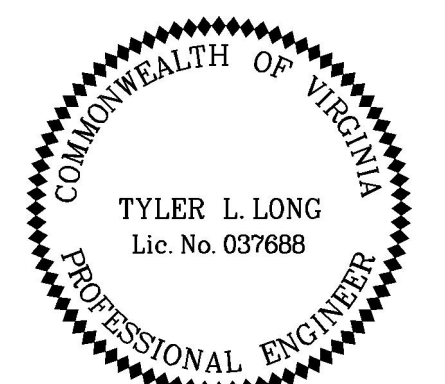


BRANCH ROAD SE
SIDEWALK
IMPROVEMENTS

KEY PLAN

GRAPHIC SCALES

SIGNATURE



Tyler Long
2023.03.27 09:16:47 -04'00'



Whitman, Requardt & Associates, LLP
12700 Fair Lakes Circle, Suite 300, Fairfax, Virginia 22033

COVER SHEET

SHEET INDEX	
SHEET NO.	TITLE
1	COVER SHEET
1A	SURVEY DATA
2A	TYPICAL SECTIONS AND DETAILS
2B(1)-2B(3)	EXISTING CONDITIONS AND DEMOLITION PLAN
3-5	SITE PLANS
3A-5A	PAVEMENT IMPROVEMENT PLANS
3B-5B	EROSION AND SEDIMENT PLAN
6	EROSION AND SEDIMENT CONTROL NARRATIVE AND DETAILS

SCALE: AS SHOWN
DATE: 01/30/2023 SHEET 1 OF 16
DES: TL DRAWN: DA CHECK: TL

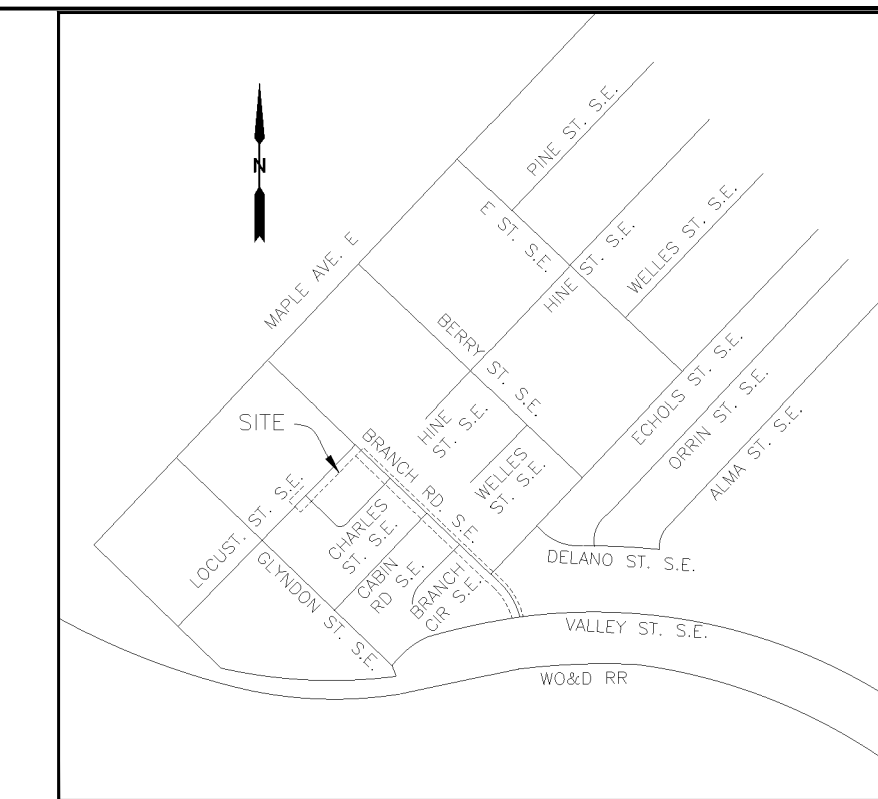
NOTES:

- PROPERTY LINES SHOWN ON THIS SURVEY ARE A COMPILATION OF DEEDS AND PLATS OF RECORD, SURVEYS BY OTHERS, AND LIMITED MONUMENT TIES; AND ARE NOT THE RESULT OF A FIELD RUN BOUNDARY SURVEY.
- NO TITLE REPORTS FURNISHED HAS BEEN FURNISHED AND NOT ALL EASEMENTS AND/OR ENCUMBRANCES ARE SHOWN ON THE SURVEY.
- THIS SURVEY WAS PREPARED FOR:
WHITMAN, REQUARDT & ASSOCIATES, LLP
2700 FAIR LAKES CIRCLE, SUITE 300
FAIRFAX, VA 22033.
- THE HORIZONTAL DATUM IS VIRGINIA COORDINATE SYSTEM 83(NORTH ZONE), AND THE VERTICAL DATUM IS NAVD88, BOTH ESTABLISHED BY GPS OBSERVATIONS.
- THE CONTOUR INTERVAL IS ONE (1) FOOT.
- THE HORIZONTAL AND VERTICAL UNIT OF MEASUREMENT IS THE U.S. SURVEY FOOT.
- THIS SURVEY FOR A PORTION OF BRANCH ROAD, SE. WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF, WILLIAM G. LIPPY JR. FROM AN ACTUAL GROUND SURVEY MADE UNDER MY SUPERVISION; THAT THE IMAGERY AND/OR ORIGINAL, DATA WAS OBTAINED ON JULY 27, 2022 THROUGH AUGUST 3, 2022; AND THAT THIS PLAT, MAP, OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.

GENERAL UTILITY NOTES:

- THIS UTILITY METADATA IS BASED ON A CURRENT FIELD INVESTIGATION AND HAS BE PERFORMED UNDER THE DIRECT SUPERVISION OF TIMOTHY E. PAYNE, LS 003090.
- UTILITIES SHOWN HEREIN ARE ACCORDANCE WITH AMERICAN SOCIETY OF CIVIL ENGINEER'S DOCUMENT ASCE 38-02,"STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."
- UTILITIES DEPICTED ACCORDING TO UTILITY RECORDS (DATUR) ARE QUALITY LEVEL "D", AND LABELED "QL-D DATUR", A PORTION OF THE "QL-D DATUR" HAVE BE ADDED FROM PREVIOUS SUE SUBMITTALS.
- ALL UTILITIES DEPICTED IN THIS FILE ARE QUALITY LEVEL "B" UNLESS OTHERWISE NOTED. LINEWORK IN THIS FILE IS 2 DIMENSIONAL.
- UTILITY SIZE AND TYPE FOR QUALITY LEVEL "B" DEPICTIONS ARE DETERMINED THROUGH AVAILABLE UTILITY OWNER INFORMATION. UTILITIES LABELED AS UNKNOWN HAVE NO CORRELATED RECORDS OR VISIBLE APPURTENANCES TO DETERMINE FUNCTION OR TYPE.
- RELIANCE UPON THIS DATA FOR RISK MANAGEMENT PURPOSES DURING BIDDING DOES NOT RELIEVE THE EXCAVATOR OR UTILITY OWNER FROM FOLLOWING ALL APPLICABLE UTILITY DAMAGE PREVENTION STATUTES, POLICIES, AND/OR PROCEDURES DURING EXCAVATION.
- THERE MAY BE UTILITIES THAT HAVE NOT BEEN LOCATED DUE UTILITY MATERIAL AND/OR LACK OF STAKEHOLDER TO PROVIDE RECORD INFORMATION. UTILITIES MAY HAVE BEEN ADDED AFTER THE ENDING DATE OF THIS SURVEY.

TRAVERSE POINT LOCATION TABLE				
THE COORDINATES SHOWN HEREON ARE FROM A GROUND RUN SURVEY TRANSLATED AND ROTATED TO STATE PLANE COORDINATES BASED ON GPS DATA COLLECTED AT TRAVERSE POINTS 101, 102, 107 & 108.				
THIS DRAWING IS ORIENTED TO VCS 83 NORTH, ZONE 4501. CONTROL POINTS WERE ESTABLISHED USING GPS DATA COLLECTED ON JULY 26, 2022.				
VERTICAL DATUM WAS ESTABLISHED USING GPS DATA COLLECTED AT POINT 101.				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
101	7015325.30	11836441.12	377.24	TRV 101 R&C
102	7015092.73	11836677.81	381.44	TRV 102 R&C
103	7014893.29	11836887.02	384.39	TRV 103 R&C
104	7014668.36	11837122.63	380.87	TRV 104 R&C
105	7014475.45	11837324.83	375.98	TRV 105 R&C
106	7014275.07	11837550.83	375.87	TRV 106 NAIL
107	7014035.88	11837730.69	377.74	TRV 107 NAIL
108	7013954.10	11837350.08	384.26	TRV 108 R&C



REVISIONS	

CLIENT INFORMATION
TOWN OF VIENNA, VA
127 CENTER STREET SOUTH
VIENNA, VA, 22180

**BRANCH ROAD SE
SIDEWALK
IMPROVMENTS**

ABBREVIATIONS

ASPH.	ASPHALT
CONC.	CONCRETE
C&G	CURB AND GUTTER
CSW	CONCRETE SIDEWALK
DATUR	DEPICTED ACCORDING TO UTILITY RECORDS
D.B.	DEED BOOK
D/W	DRIVE WAY
EX.	EXISTING
FOHH	FIBER OPTIC HANDHOLE
IPF	IRON PIPE FOUND
MF	MONUMENT FOUND
PG.	PAGE
R&C	ROD AND CAP
RET. W	RETAINING WALL
S/LI	SIGNAL LIGHT
TRV	TRAVERSE / CONTROL POINT
W/	WITH/

SYMBOLS AND LINE LEGEND

	SURVEY CONTROL POINT		DECIDUOUS TREE
	IRON PIPE/ROD FOUND		CONIFEROUS TREE
	CONCRETE MONUMENT FOUND		DECIDUOUS SHRUB
	STORM DRAIN MANHOLE		STUMP
	SANITARY SEWER MANHOLE		HANDICAP RAMP
	SANITARY SEWER CLEANOUT		GUY ANCHOR
	FLAG POLE		SIGN POST
	GAS VALVE		WATER VALVE
	FIBER OPTIC MANHOLE		WATER METER
	FIRE HYDRANT		SPRINKLER
	UTILITY POLE		MAILBOX
	EX. SHRUBLINE		
	EX. FENCE LINE		
	EX. OVERHEAD UTILITY LINE		
	EX. UNDERGROUND ELECTRIC LINE		
	EX. UNDERGROUND FIBER OPTIC LINE		
	EX. UNDERGROUND GAS LINE (DATUR)		
	EX. UNDERGROUND GAS LINE		
	EX. UNDERGROUND CABLE TELEVISION		
	EX. UNDERGROUND WATER LINE		
	EX. CONTOUR LINE		

KEY PLAN

GRAPHIC SCALES

SIGNATURE

Tyler Long
2023.03.27 09:18:23 -04'00'

TREE TABLE			
POINT #	DBH"	TYPE	CANOPY'
80132	2	CREPE MYRTLE	16 MULTI
80205		15 MAPLE	45
80384	2	CREPE MYRTLE	10 MULTI
80395	6	CREPE MYRTLE	24
80440	4	APPLE	5
80441	6	APPLE	6
80444	4	DECIDUOUS TREE	6
80448		TREE STUMP	
80458	4	CHERRY	12
80459	3	CHERRY	8
80475	21	DECIDUOUS TREE	60
80476	12	CEDAR	20
80489	15	MAPLE	40
80490	12	MAPLE	35
80491	30	MAPLE	70
80517	30	MAPLE	60
80518	6	CHERRY	14
80718	18	DECIDUOUS TREE	30
80761	10	DECIDUOUS TREE	30
80888	30	MAPLE	80

TREE TABLE			
POINT #	DBH"	TYPE	CANOPY'
81042	30	MAPLE	70
81378	12	CEDAR	14
81396	18	DECIDUOUS TREE	15
81400	20	DECIDUOUS TREE	30
81403	15	DECIDUOUS TREE	40
81404	21	DECIDUOUS TREE	40
81405	15	DECIDUOUS TREE	40
81408	21	PINE	60
81423	18	PINE	30
81424	13	PINE	30
81425	12	PINE	25
81475	10	MAGNOLIA	20
81678	2	CREPE MYRTLE	8 MULTI
81679	4	DECIDUOUS TREE	8
81770	17	OAK	35
81791	24	OAK	40
81794	2	CREPE MYRTLE	12 MULTI
81797	8	CRAB APPLE	15
81803	8	CRAB APPLE	15
81804	2	CREPE MYRTLE	12 MULTI

TREE TABLE			
POINT #	DBH"	TYPE	CANOPY'
81816	5	DECIDUOUS TREE	15
81817	14	PINE	30
81818	13	PINE	25
81819	21	DECIDUOUS TREE	60
81897	9	SYCAMORE	30
81959	27	TREE STUMP	INCH
81963	9	PINE	20

Whitman, Requardt & Associates, LLP
12700 Fair Lakes Circle, Suite 300, Fairfax, Virginia 22033

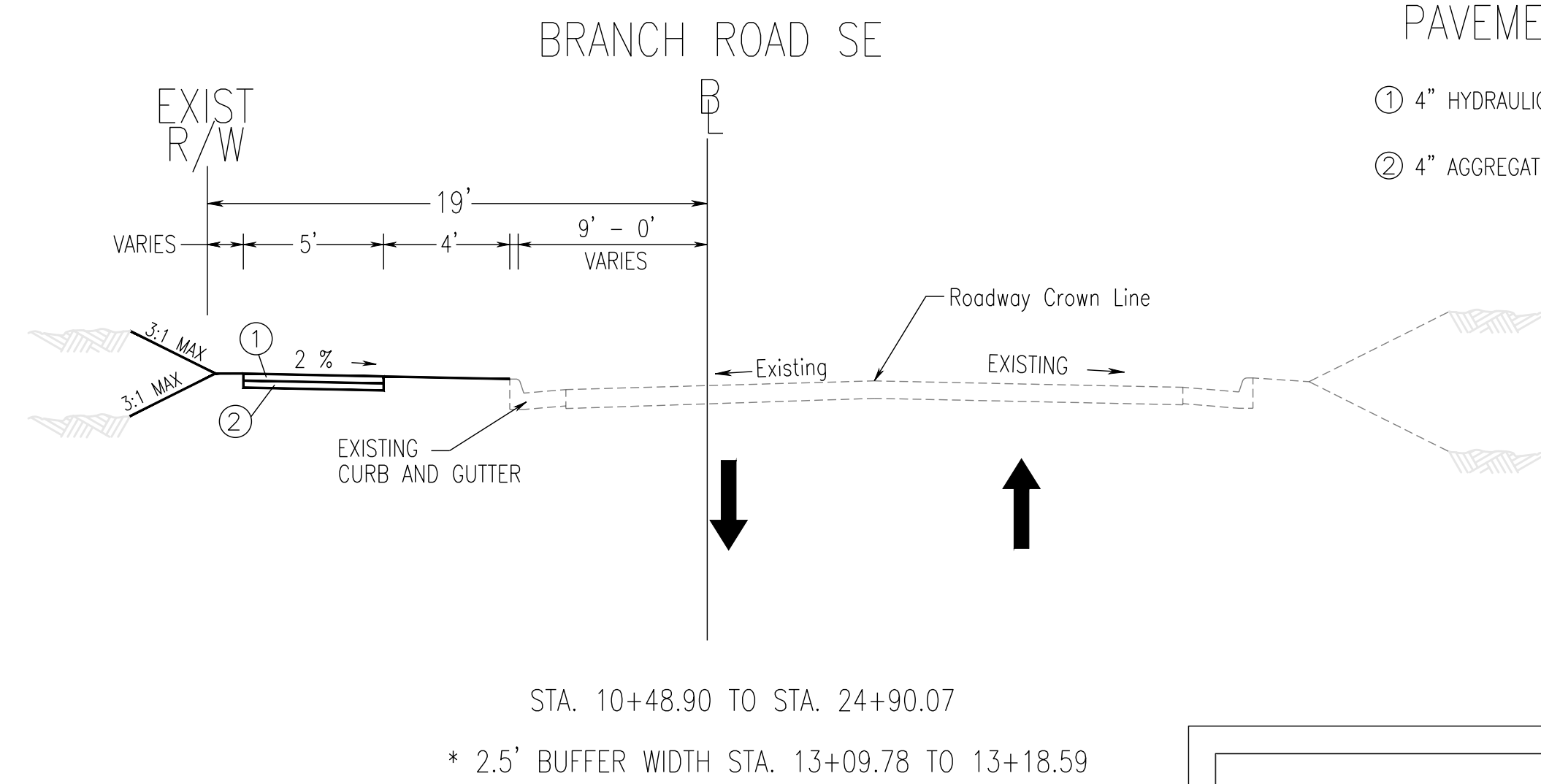
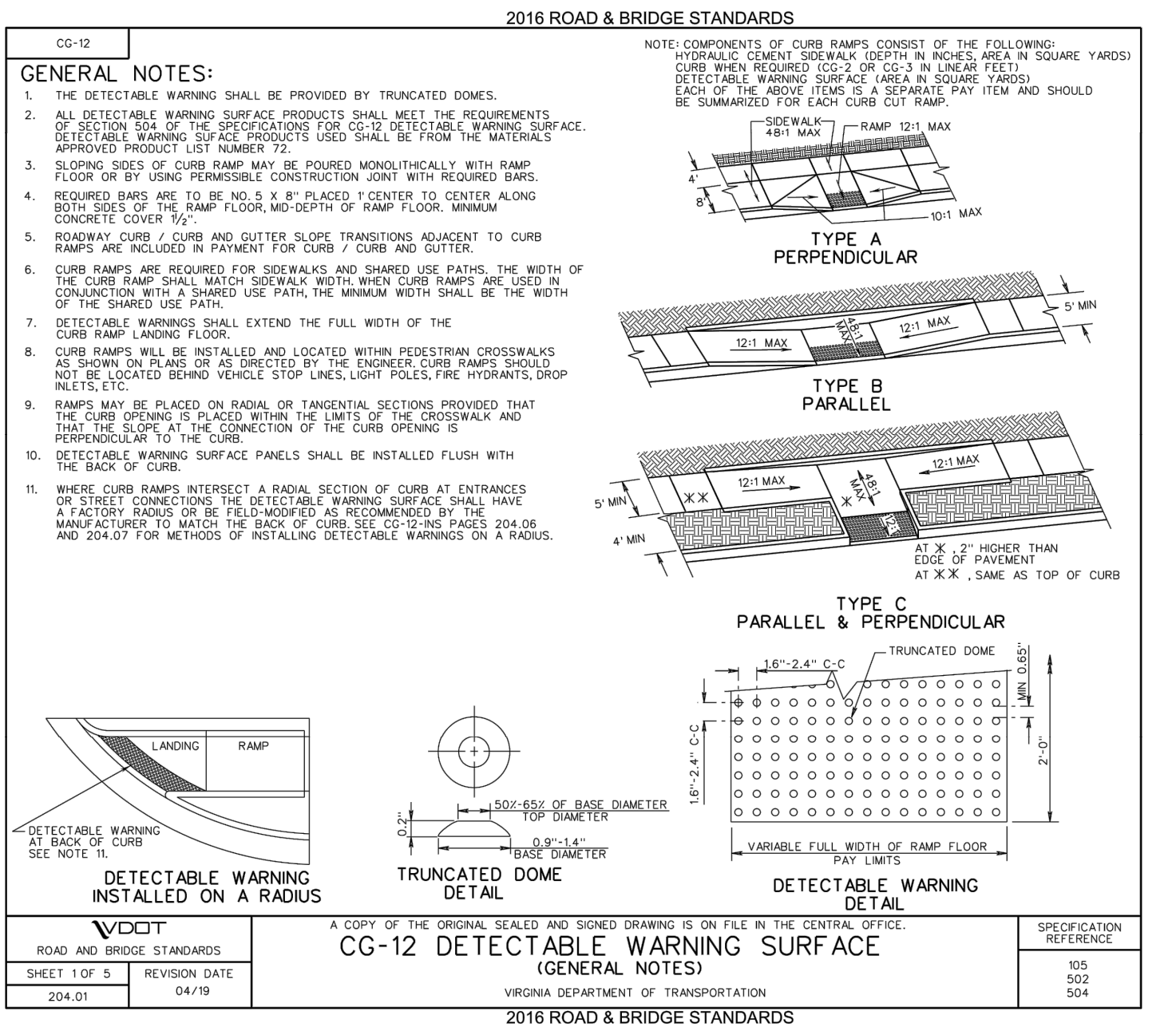
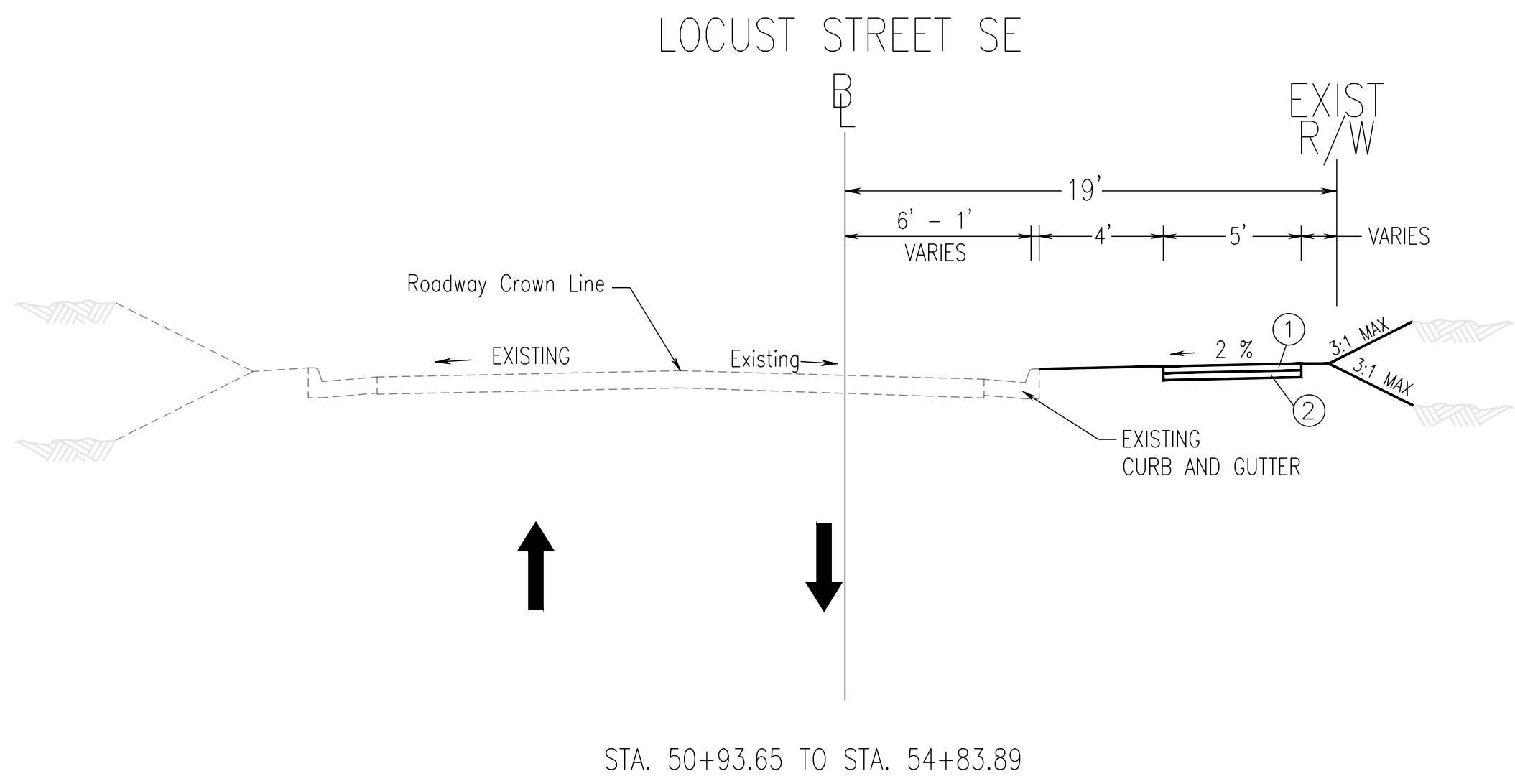
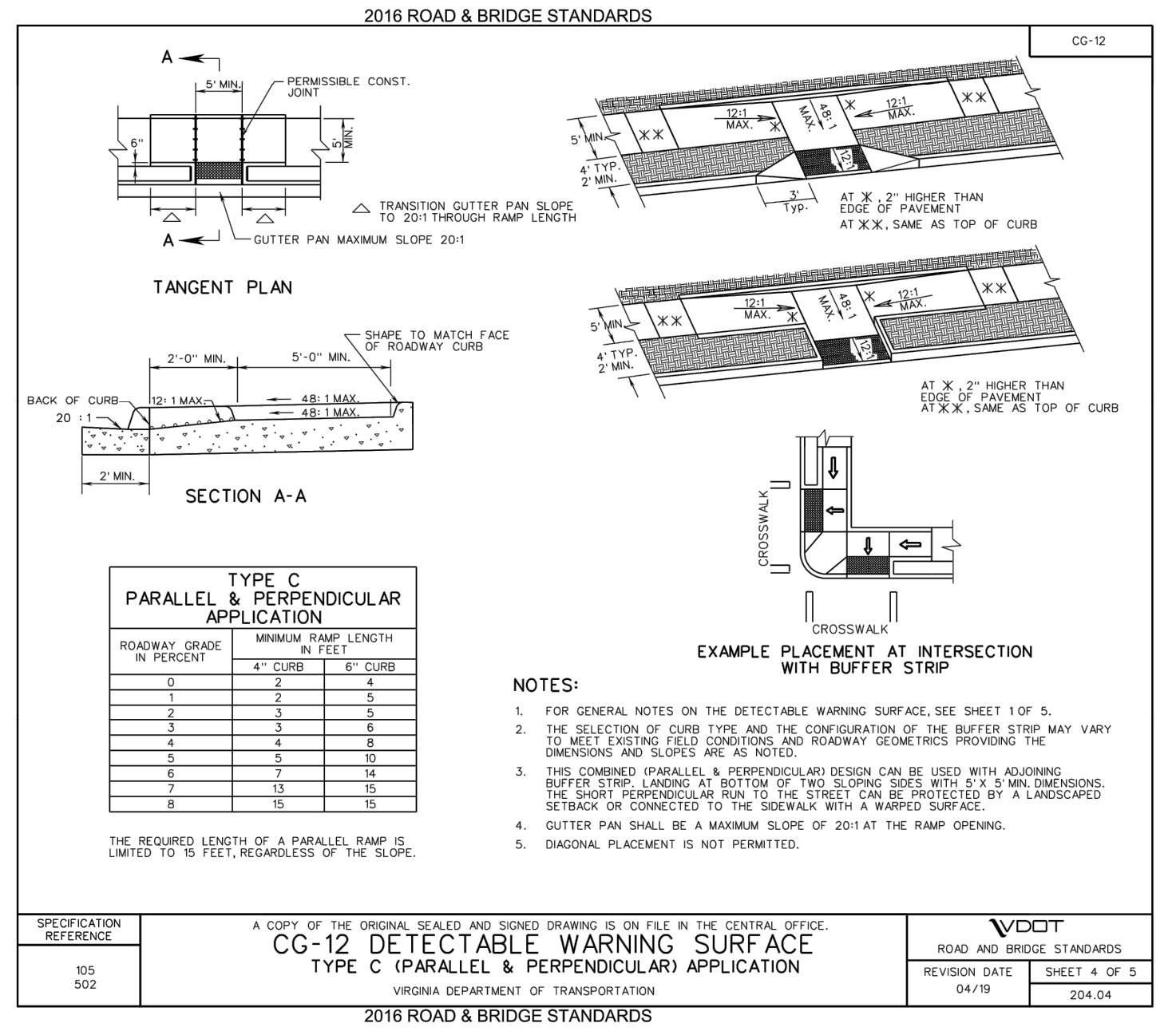
SURVEY DATA

SCALE:

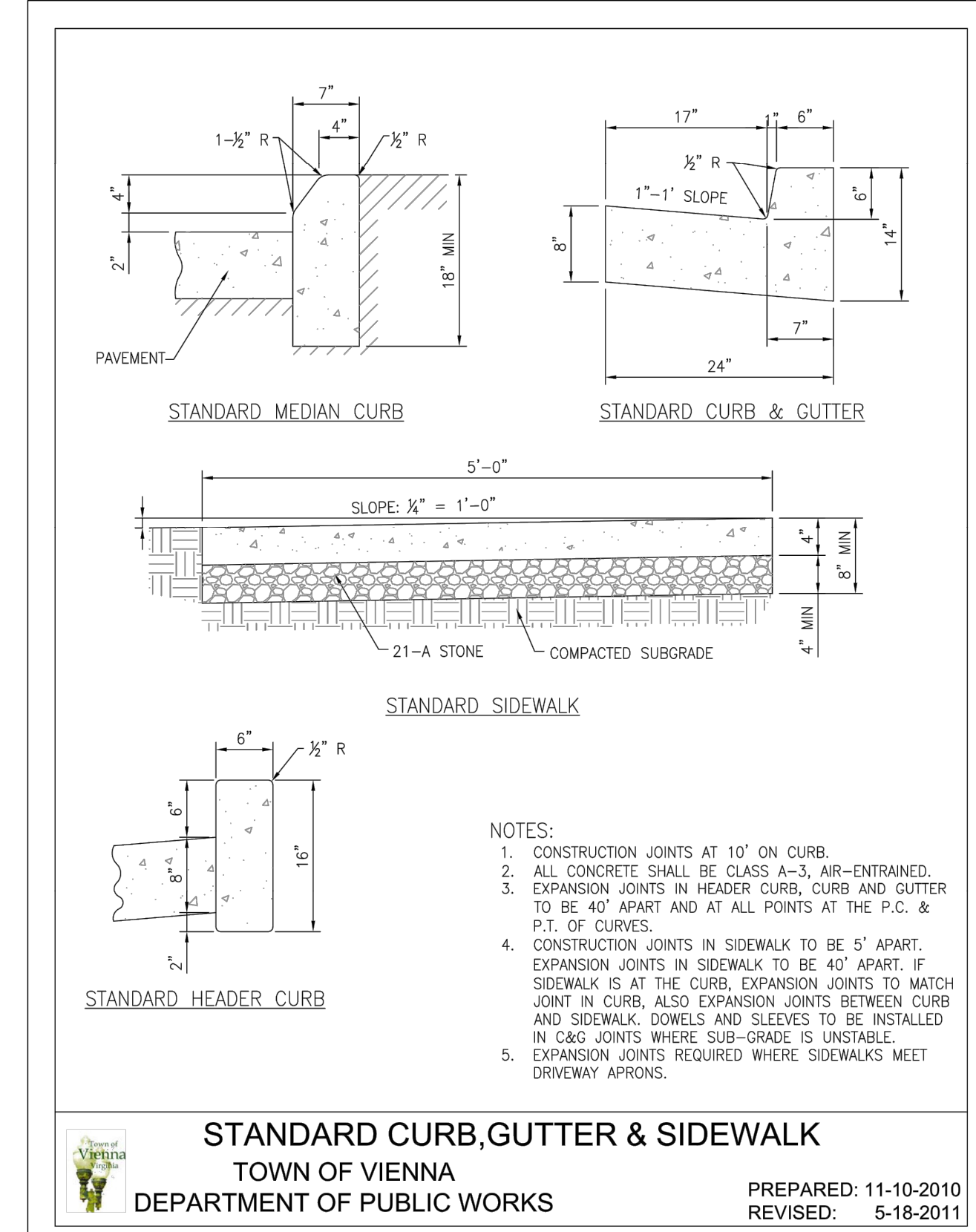
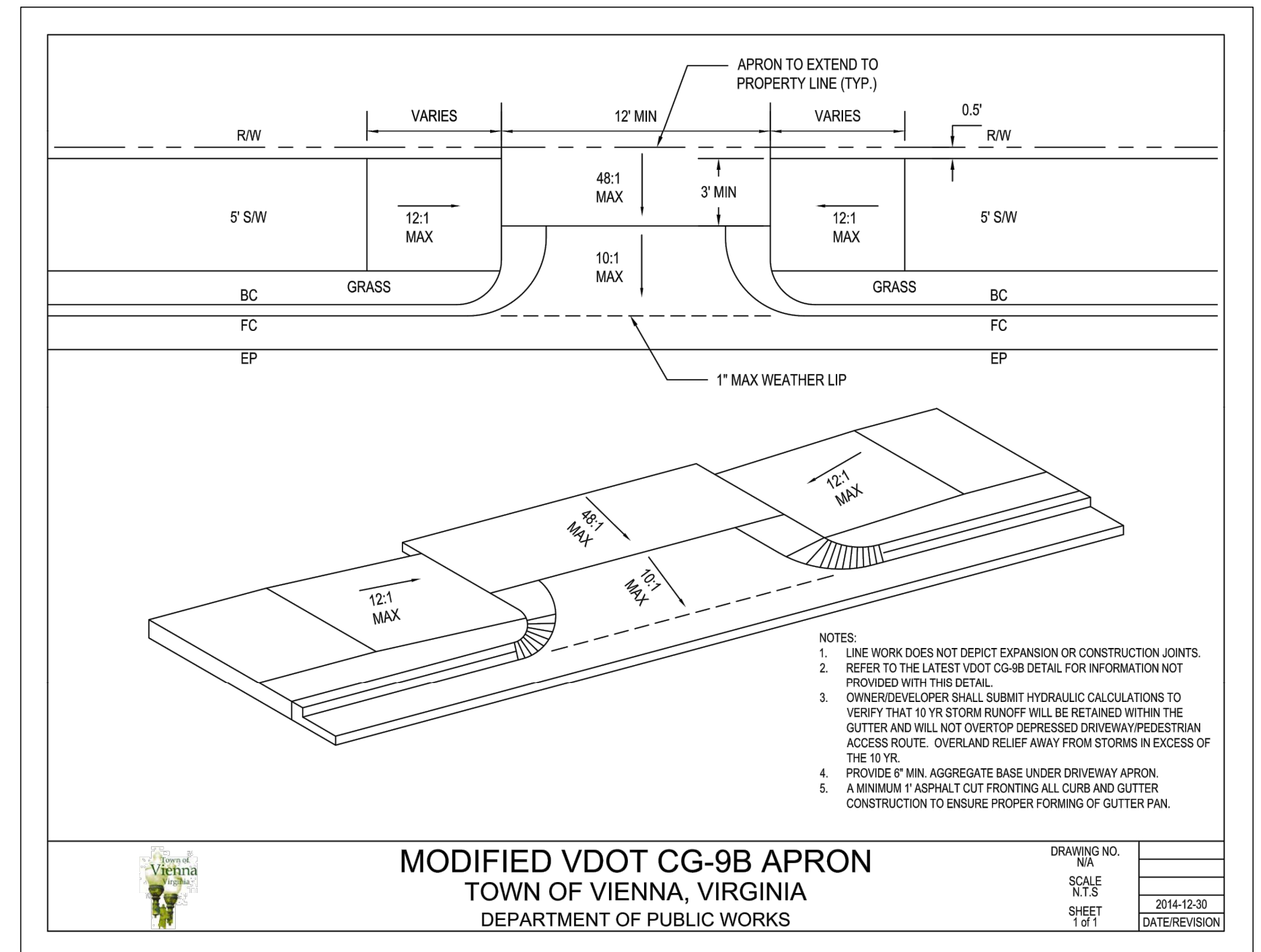
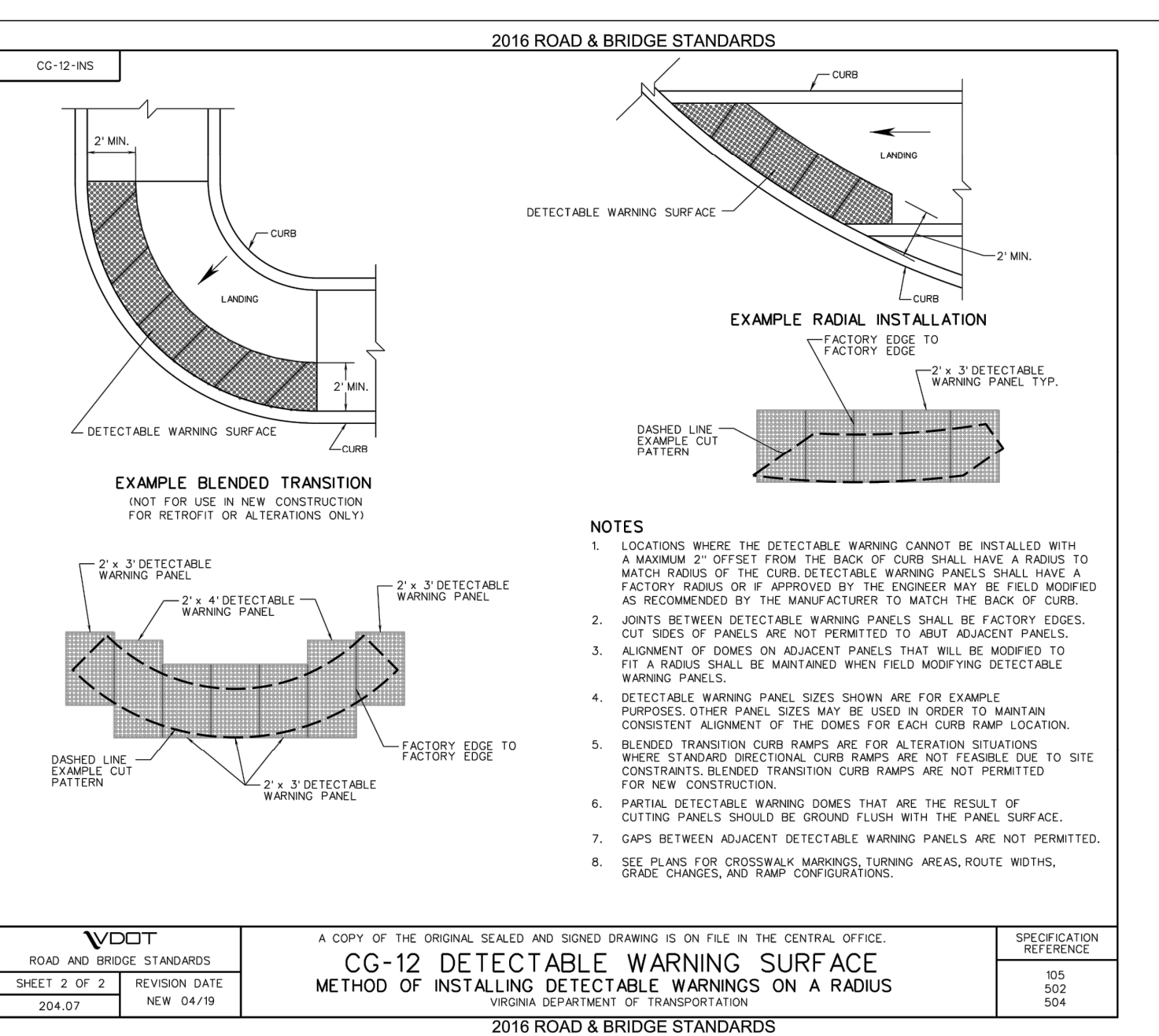
DATE: 01/30/2023 SHEET 1A OF 16

DES: DRAWN: CHECK:

GENERAL NOTES AND TYPICAL SECTIONS NOT TO SCALE



- PAVEMENT SECTION**
- ① 4" HYDRAULIC CEMENT CONCRETE CLASS A3 SIDEWALK REQ'D
 - ② 4" AGGREGATE BASE MATERIAL SIZE 21B



REVISIONS

CLIENT INFORMATION
TOWN OF VIENNA, VA
127 CENTER STREET SOUTH
VIENNA, VA, 22180

**BRANCH ROAD SE
SIDEWALK
IMPROVEMENTS**

KEY PLAN

GRAPHIC SCALES

SIGNATURE

Tyler Long
2023.03.27 09:19:19 -04'00'

WRA
Whitman, Reardon & Associates, LLP
12700 Fair Lakes Circle, Suite 300, Fairfax, Virginia 22033

TYPICAL SECTIONS
AND DETAILS

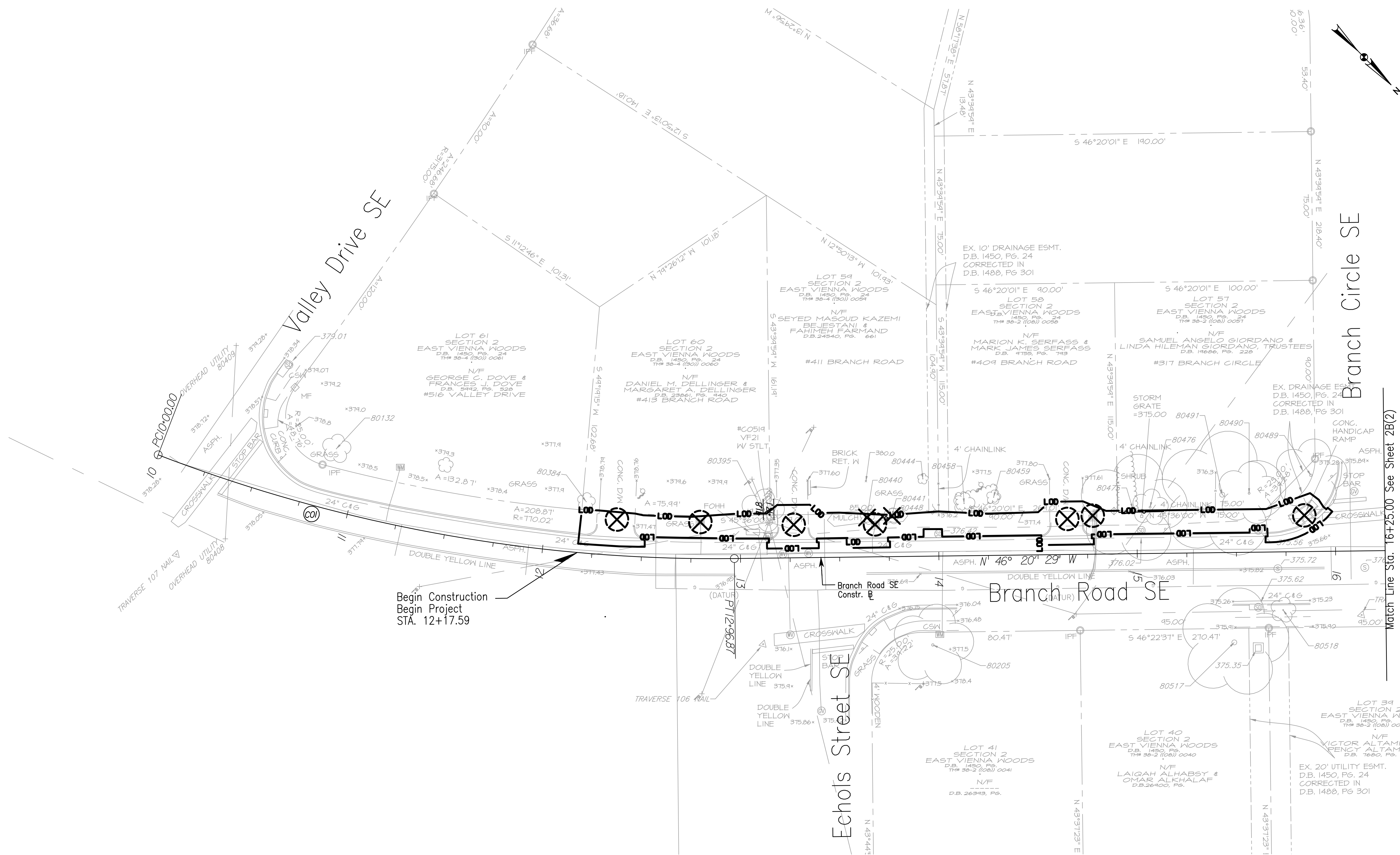
SCALE:

DATE: 01/30/2023 SHEET 2A OF 16

DES: TL DRAWN: DA CHECK: TL

FILENAME: N:\18521-032-CADD\HIGHWAY\18521032 - TYP.DWG

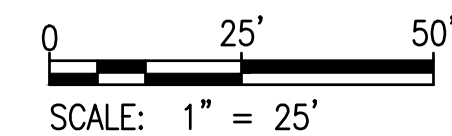
FILENAME: N:\18521-02\CADD\HIGHWAY\18521032C1-01.DWG



Begin Construction
Begin Project
STA. 12+17.59


Match Line Sta. 16+25.00 See Sheet 2B(2)

- DENOTES LIMIT OF DISTURBANCE
- DENOTES ITEM TO BE REMOVED
- DENOTES ITEM TO BE RELOCATED/RECONSTRUCTION



REVISIONS	

CLIENT INFORMATION
TOWN OF VIENNA, VA
 127 CENTER STREET SOUTH
 VIENNA, VA, 22180



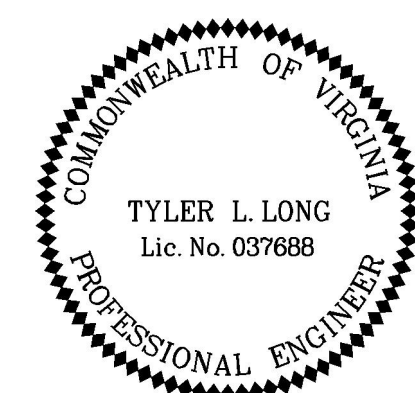
**BRANCH ROAD SE
 SIDEWALK
 IMPROVEMENTS**

KEY PLAN



GRAPHIC SCALES

SIGNATURE



Tyler Long
 2023.03.27 09:19:57 -0400'

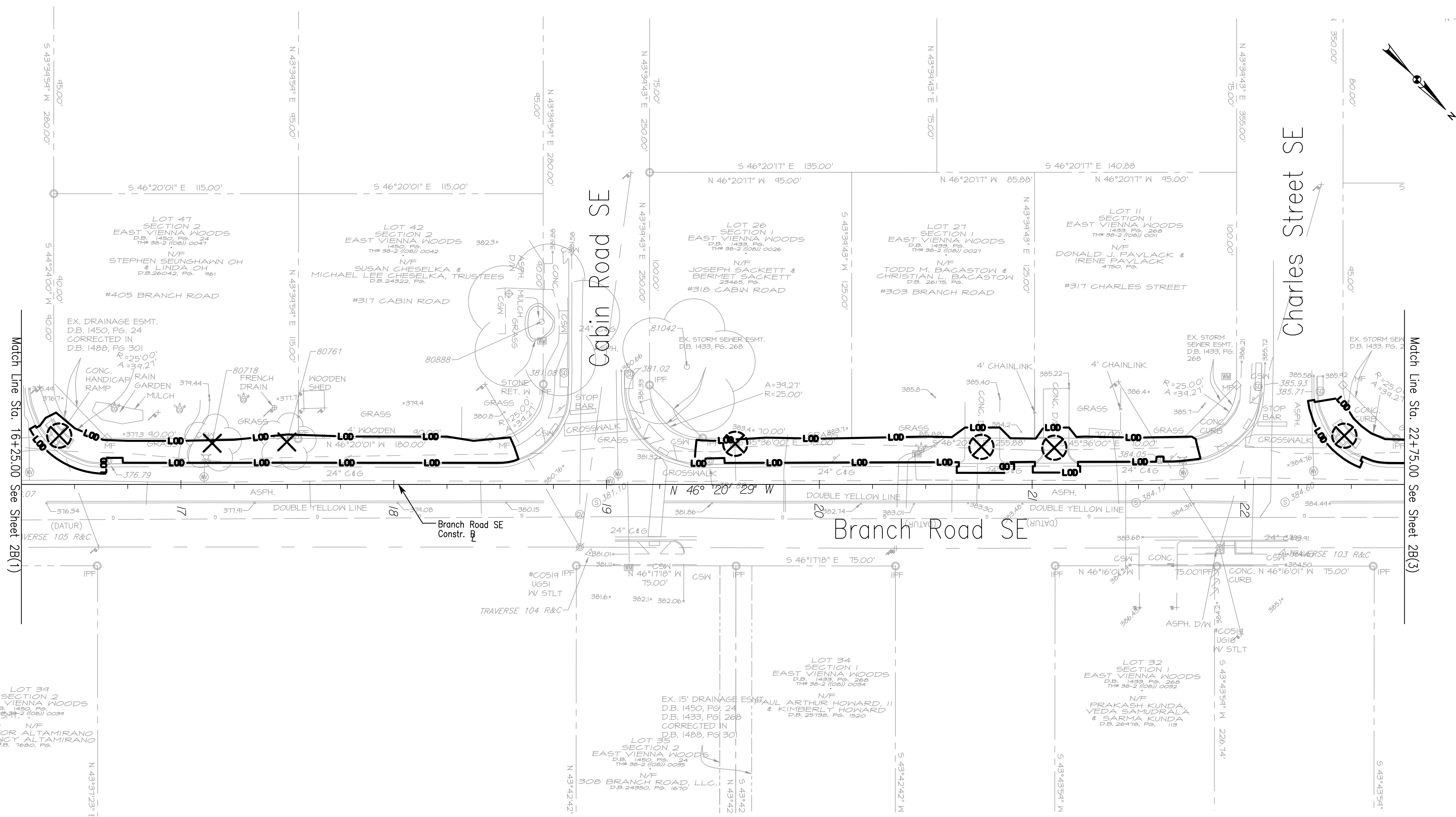


Whitman, Requardt & Associates, LLP
 12700 Fair Lakes Circle, Suite 300, Fairfax, Virginia 22033

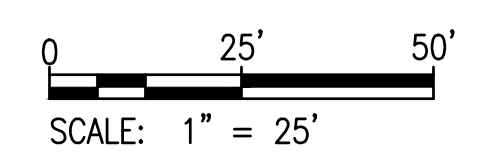
**EXISTING CONDITIONS
 AND
 DEMOLITION PLANS**

SCALE: 1" = 25'		
DATE: 01/30/2023	SHEET 2B(1) OF 16	
DES: TL	DRAWN: DA	CHECK: TL

FILENAME: N:\18521-022\CADD\HIGHWAY\18521032C1-01.DWG




- DENOTES LIMIT OF DISTURBANCE
- DENOTES ITEM TO BE REMOVED
- DENOTES ITEM TO BE RELOCATED/RECONSTRUCTION



REVISIONS	

CLIENT INFORMATION
TOWN OF VIENNA, VA
 127 CENTER STREET SOUTH
 VIENNA, VA, 22180



**BRANCH ROAD SE
 SIDEWALK
 IMPROVEMENTS**


KEY PLAN



GRAPHIC SCALES



SIGNATURE



Tyler Long
 2023.03.27 09:20:59 -04'00'

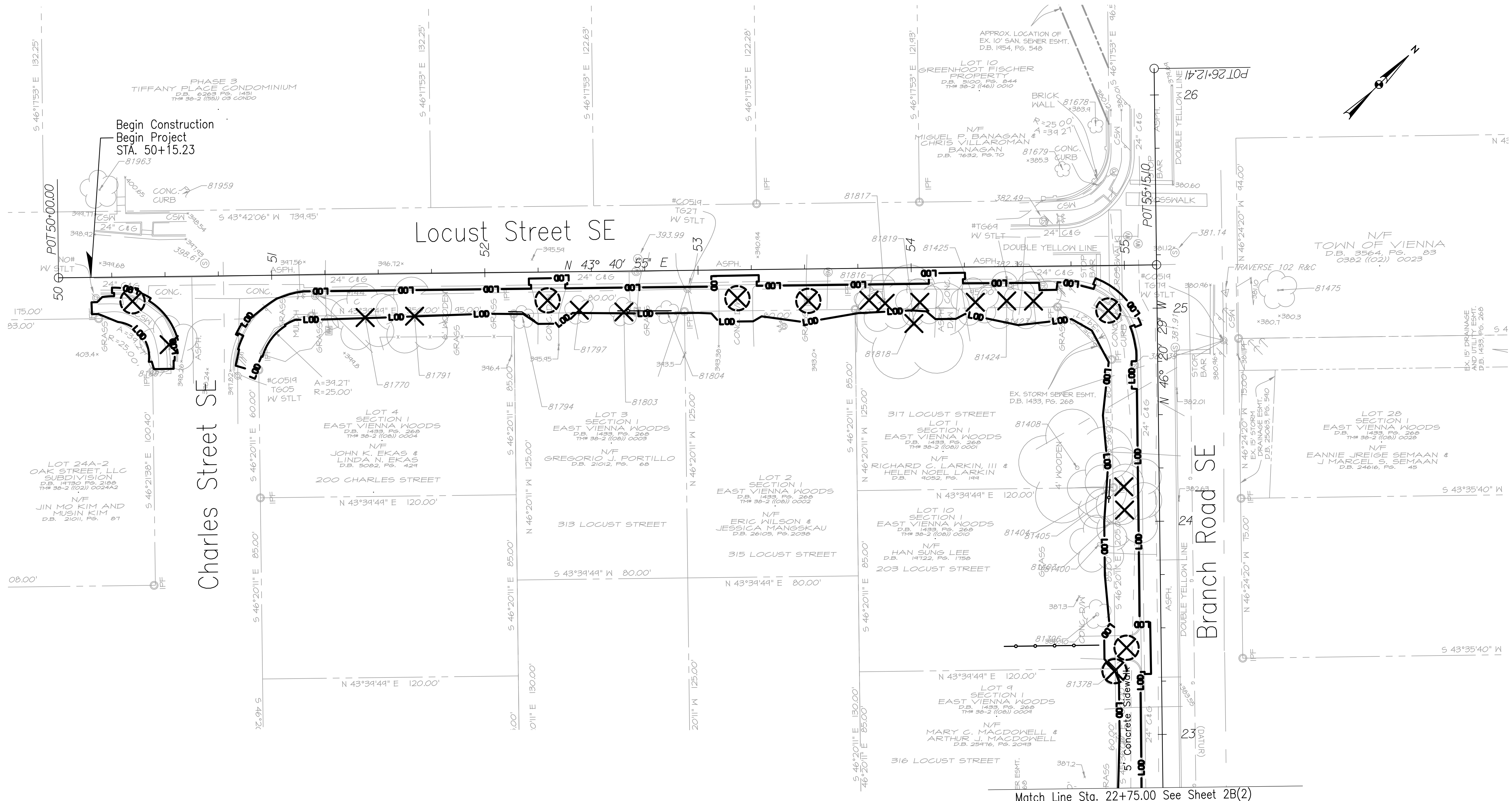


Whitman, Requardt & Associates, LLP
 12700 Fair Lakes Circle, Suite 300, Fairfax, Virginia 22033

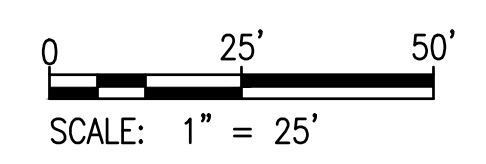
**EXISTING CONDITIONS
 AND
 DEMOLITION PLANS**

SCALE: 1" = 25'	
DATE: 01/30/2023	SHEET 2B(2) OF 16
DES: TL	DRAWN: DA CHECK: TL

FILENAME: N:\18521-02\CADD\HIGHWAY\18521032C1-01.DWG




- L00 — DENOTES LIMIT OF DISTURBANCE
- ✕ DENOTES ITEM TO BE REMOVED
- ⊗ DENOTES ITEM TO BE RELOCATED/RECONSTRUCTION



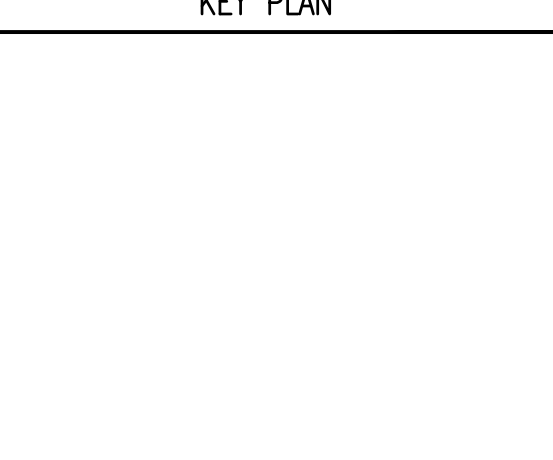
REVISIONS	

CLIENT INFORMATION
TOWN OF VIENNA, VA
 127 CENTER STREET SOUTH
 VIENNA, VA, 22180



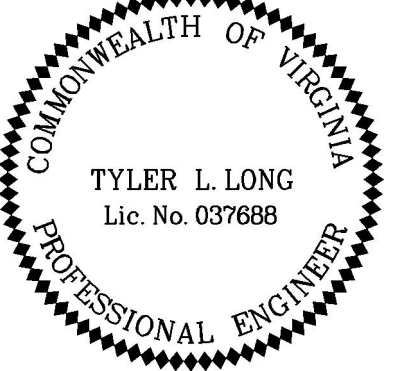
**BRANCH ROAD SE
 SIDEWALK
 IMPROVEMENTS**

KEY PLAN



GRAPHIC SCALES

SIGNATURE



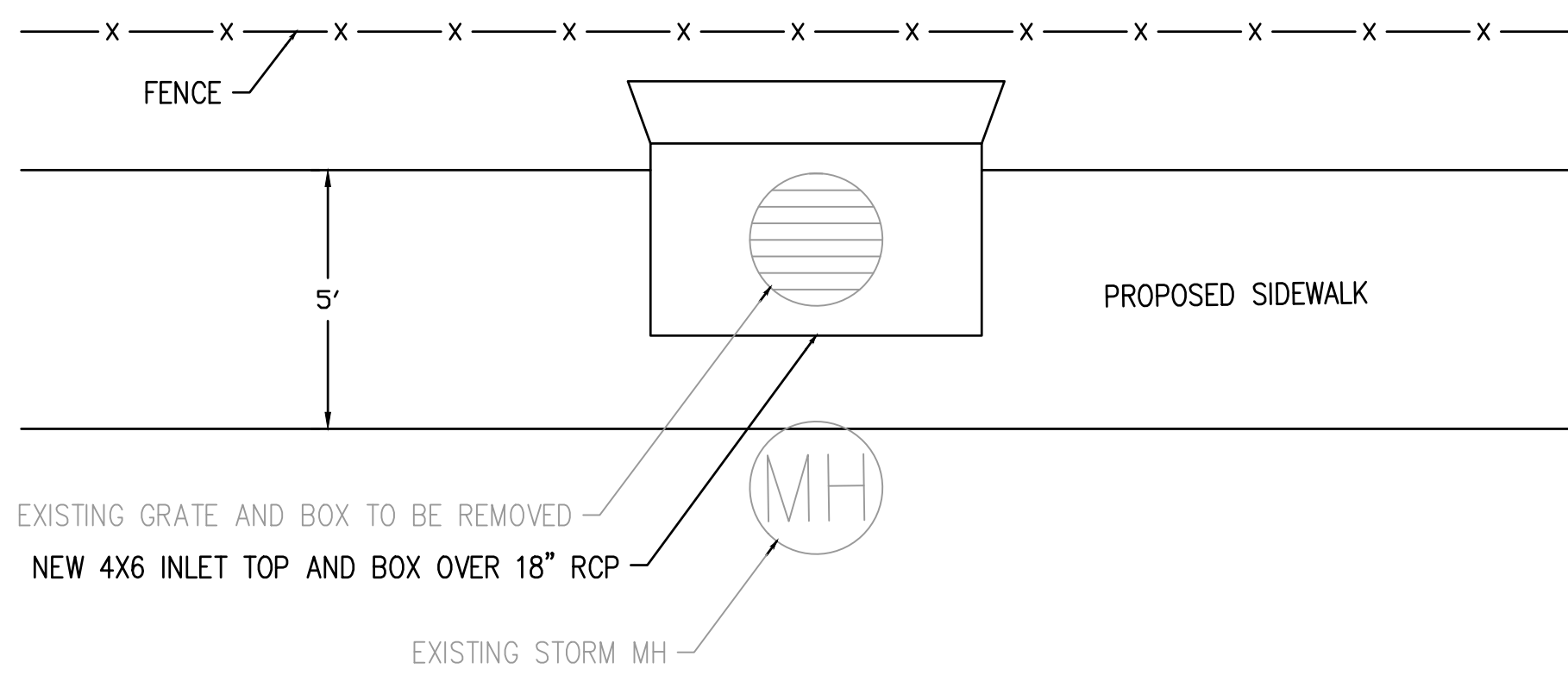
Tyler Long
 2023.03.27 09:21:53 -04'00'



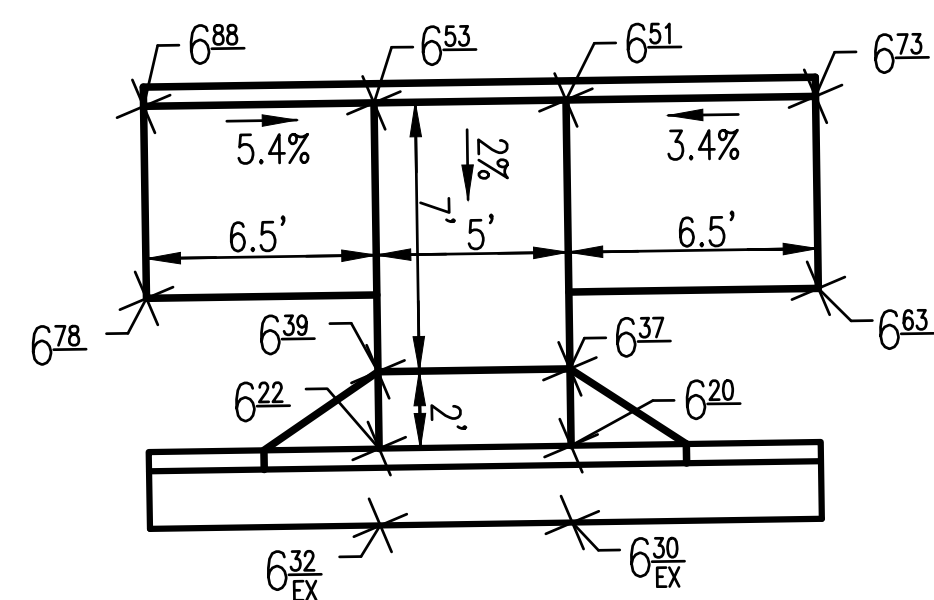
Whitman, Requardt & Associates, LLP
 12700 Fair Lakes Circle, Suite 300, Fairfax, Virginia 22033

**EXISTING CONDITIONS
 AND
 DEMOLITION PLANS**

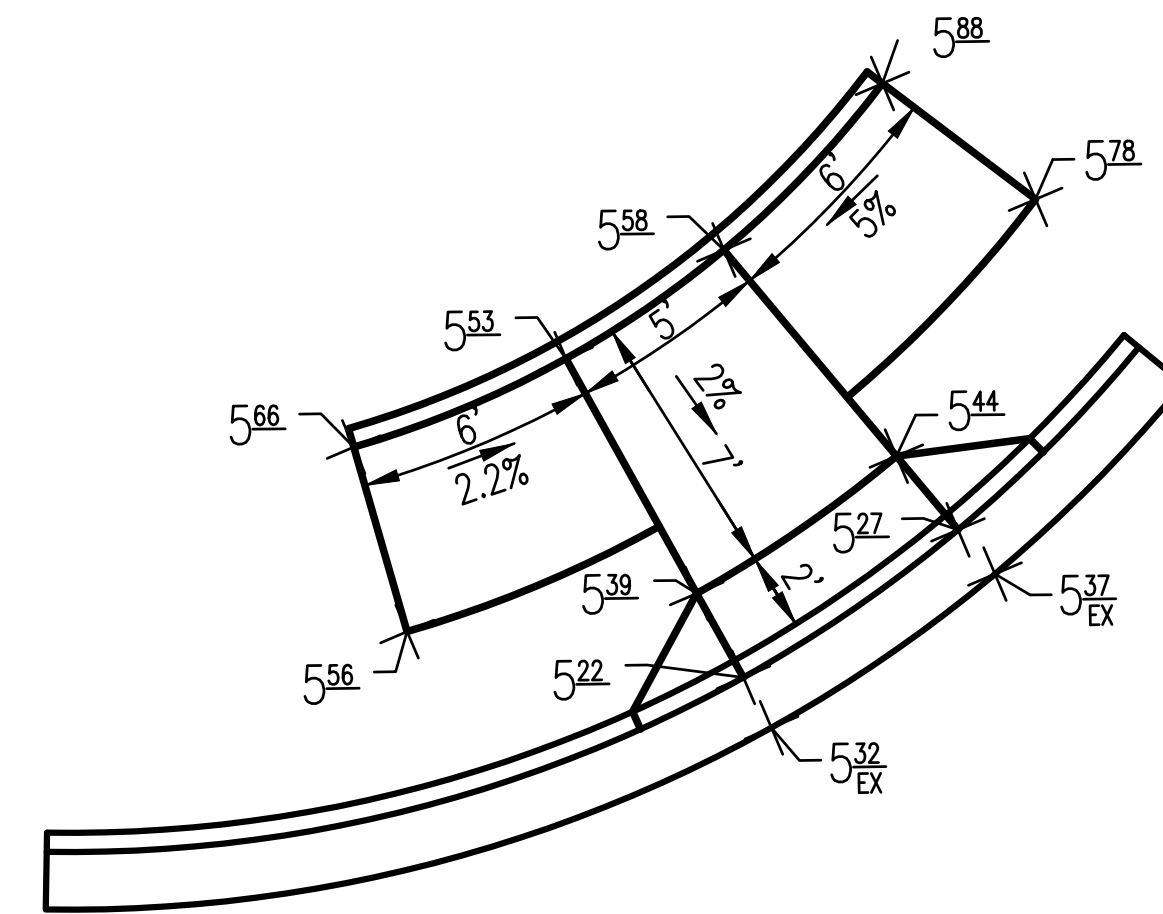
SCALE: 1" = 25'		
DATE: 01/30/2023	SHEET 2B(3) OF 16	
DES: TL	DRAWN: DA	CHECK: TL



A INLET DETAIL
SHEET 3 NOT TO SCALE

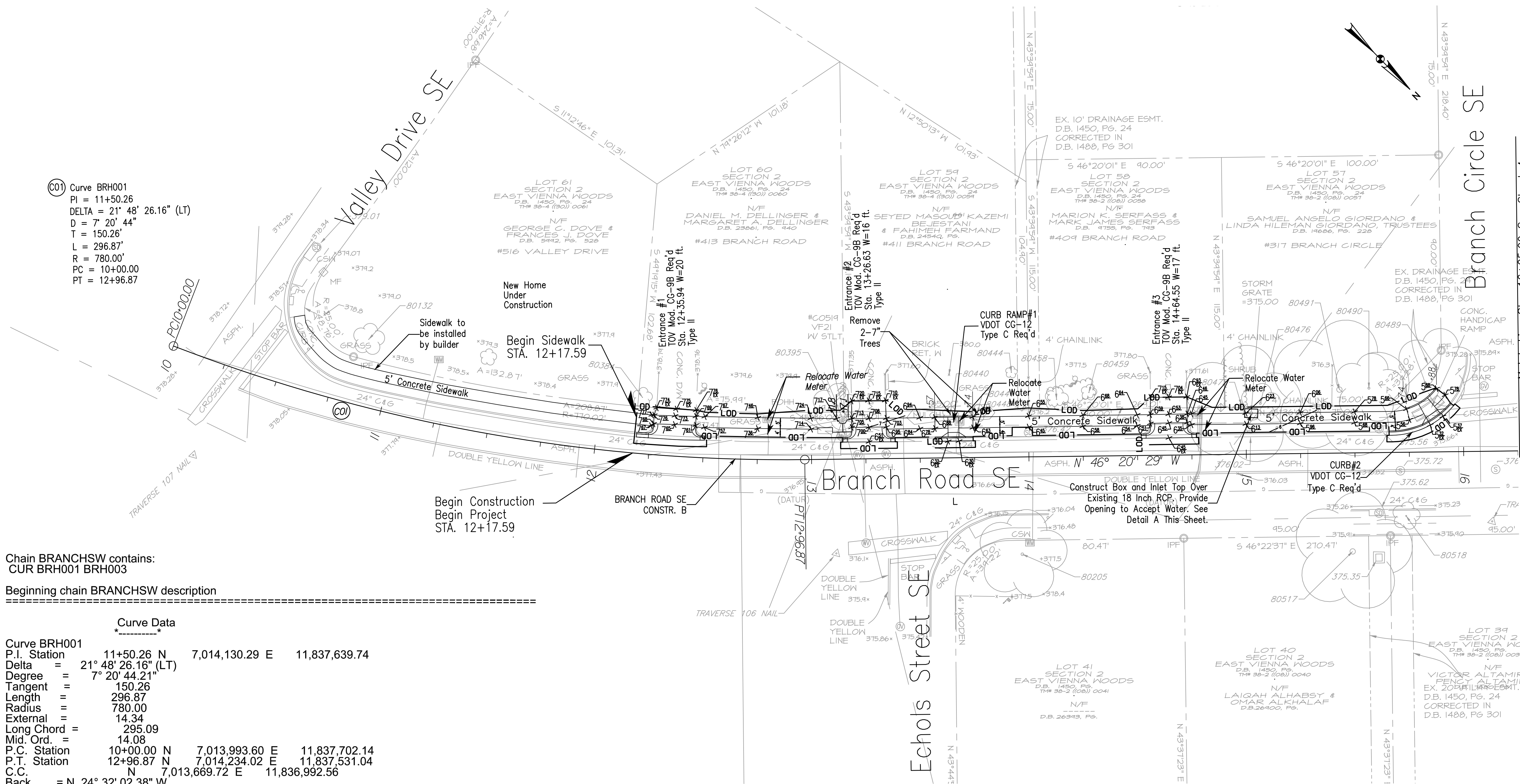


1 CURB RAMP #1
SHEET 3 1" = 5'



2 CURB RAMP #2
SHEET 3 1" = 5'

(C01) Curve BRH001
PI = 11+50.26
DELTA = 21° 48' 26.16" (LT)
D = 7' 20' 44"
T = 150.26'
L = 296.87'
R = 780.00'
PC = 10+00.00
PT = 12+96.87



Chain BRANCHSW contains:
CUR BRH001 BRH003

Beginning chain BRANCHSW description

Curve Data			
Curve BRH001			
P.I. Station	11+50.26 N	7,014,130.29 E	11,837,639.74
Delta	21° 48' 26.16" (LT)		
Degree	7° 20' 44.21"		
Tangent	150.26		
Length	296.87		
Radius	780.00		
External	14.34		
Long Chord	295.09		
Mid. Ord.	14.08		
P.C. Station	10+00.00 N	7,013,993.60 E	11,837,702.14
P.T. Station	12+96.87 N	7,014,234.02 E	11,837,531.04
C.C.	N 7° 01' 36.97" E	7,013,669.72 E	11,836,992.56
Back	= N 24° 32' 02.38" W		
Ahead	= N 46° 20' 28.54" W		
Chord Bear	= N 35° 26' 15.46" W		

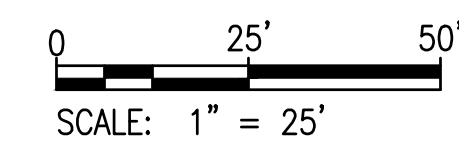
Course from PT BRH001 to BRH003 N 46° 20' 28.62" W Dist 1,315.54

Point BRH003 N 7,015,142.22 E 11,836,579.30 Sta 26+12.41

Ending chain BRANCHSW description

NOTES:

1. PROPOSED SIDEWALK SHALL DRAIN TOWARDS ROADWAY AT 2%.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT FROM HARM OR REPLACE UNDER LICENSED LAND SURVEYOR ALL PROPERTY MONUMENTATION DISTURBED BY CONSTRUCTION.
3. MINIMUM REQUIRED LATERAL OFFSET FROM FACE OF CURB TO SIGN PANELS SHALL BE 2 FT.



REVISIONS	

CLIENT INFORMATION
TOWN OF VIENNA, VA
127 CENTER STREET SOUTH
VIENNA, VA, 22180



**BRANCH ROAD SE
SIDEWALK
IMPROVMENTS**

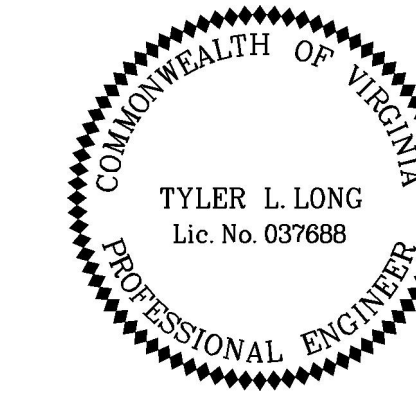
KEY PLAN



GRAPHIC SCALES



SIGNATURE



Tyler Long
2023.03.27 09:22:27 -04'00'



SITE PLAN


SCALE: 1" = 25'		
DATE: 01/30/2023	SHEET 3 OF 16	
DES: TL	DRAWN: DA	CHECK: TL

FILENAME: N:\BSE21-028\CADD\HIGHWAY\18521032C1-02.DWG

FILENAME: N:\18521-023\CADD\HIGHWAY\18521032C1-03.DWG

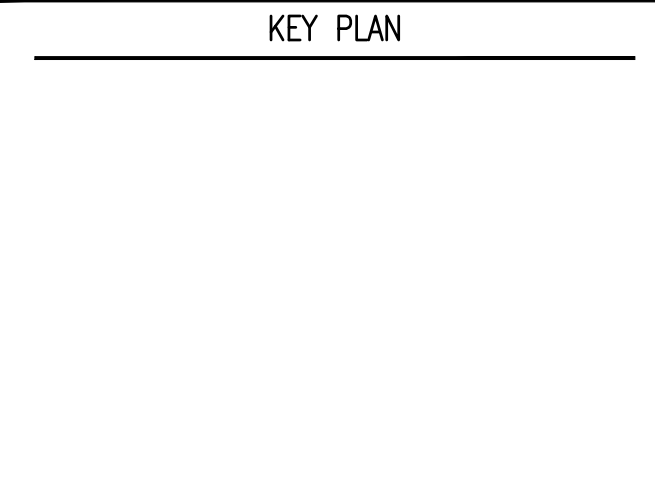
REVISIONS	

CLIENT INFORMATION
TOWN OF VIENNA, VA
 127 CENTER STREET SOUTH
 VIENNA, VA, 22180

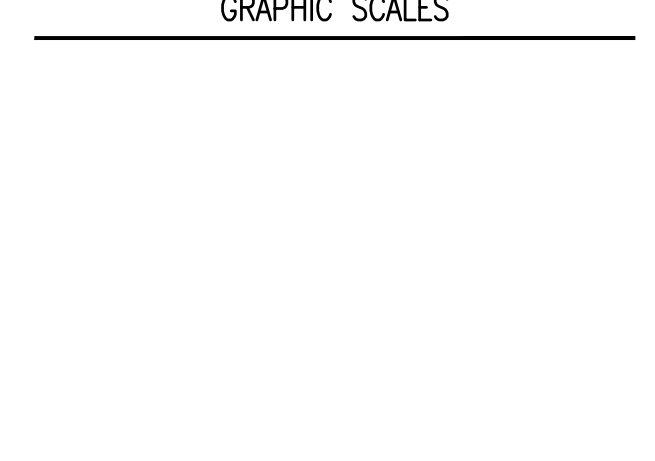


**BRANCH ROAD SE
 SIDEWALK
 IMPROVEMENTS**


KEY PLAN



GRAPHIC SCALES



SIGNATURE



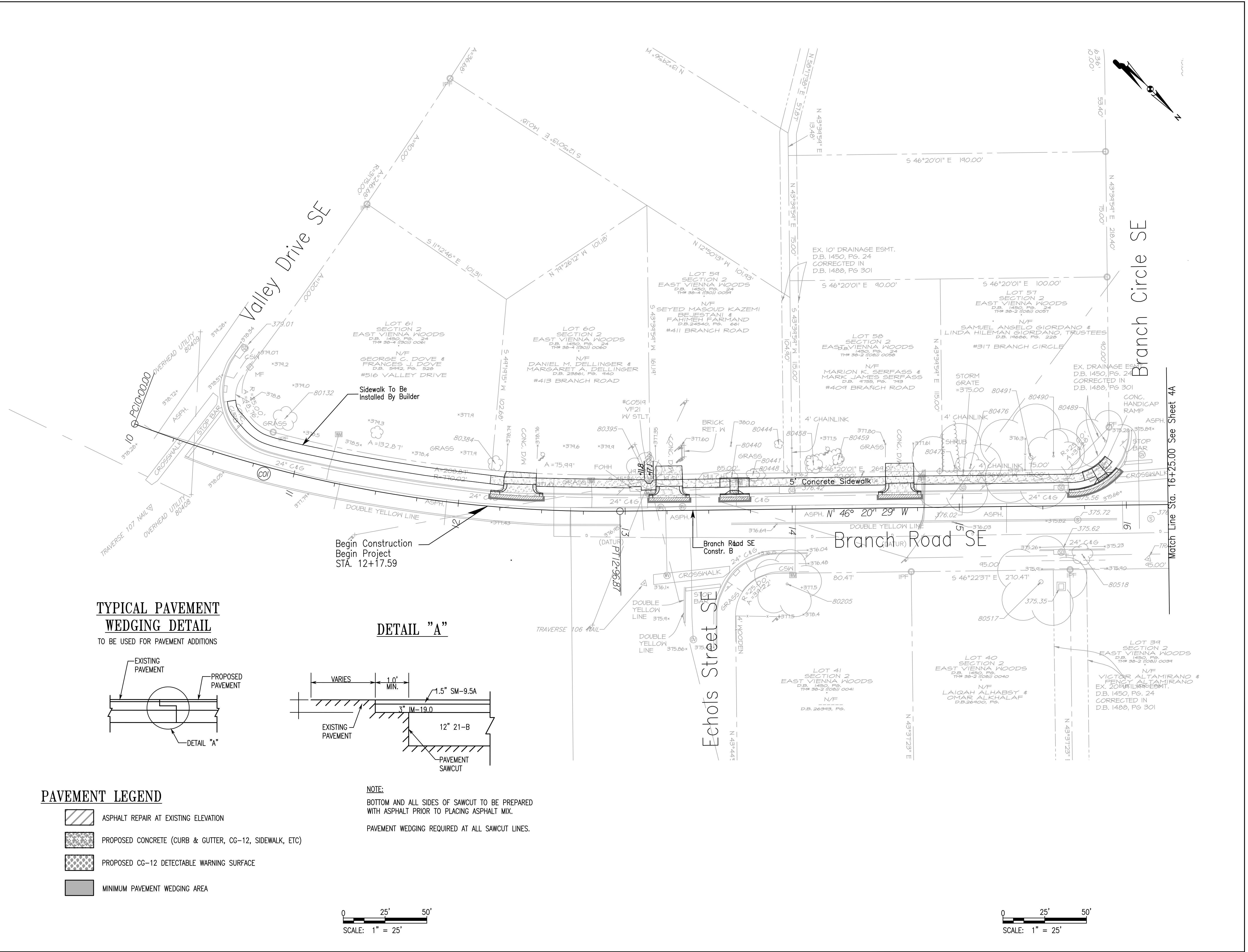
Tyler Long
 2023.03.27 09:26:25 -04'00'



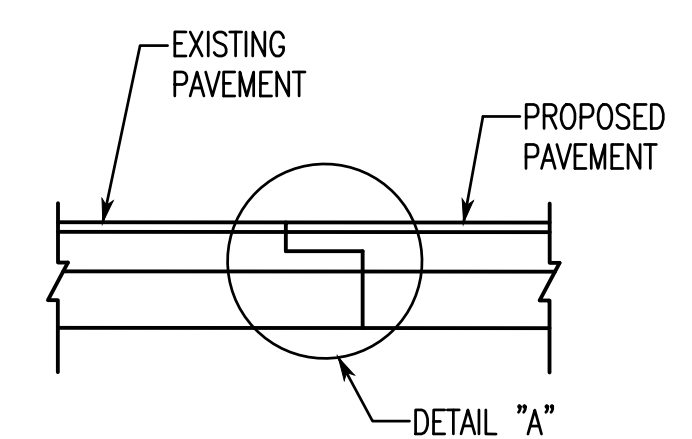
Whitman, Requardt & Associates, LLP
 12700 Fair Lakes Circle, Suite 300, Fairfax, Virginia 22033

**PAVEMENT
 IMPROVEMENT
 PLANS**

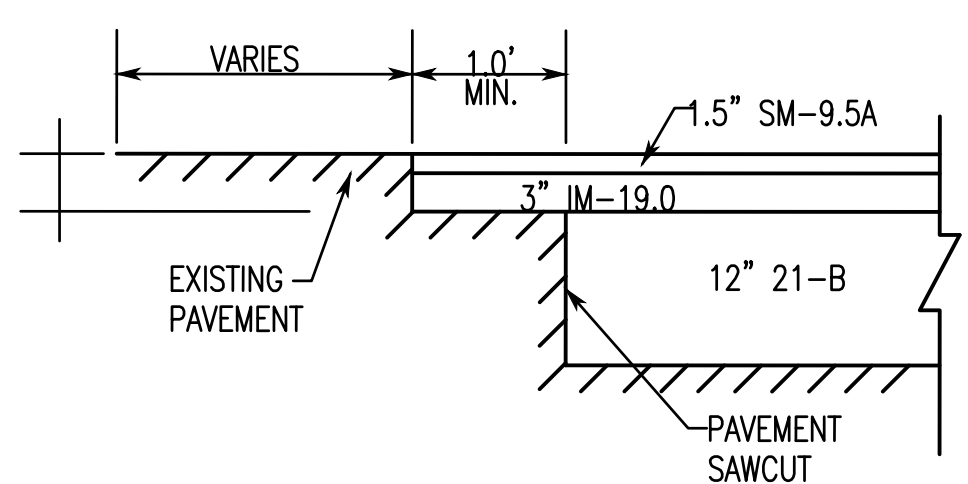
SCALE: 1" = 25'
 DATE: 01/30/2023 SHEET 3A OF 16
 DES: TL DRAWN: DA CHECK: TL



**TYPICAL PAVEMENT
 WEDGING DETAIL**
 TO BE USED FOR PAVEMENT ADDITIONS

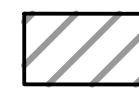





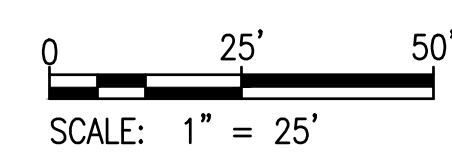
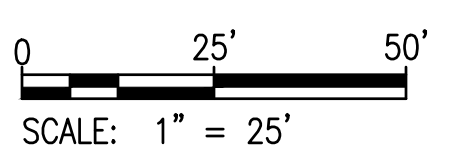
DETAIL "A"



NOTE:
 BOTTOM AND ALL SIDES OF SAWCUT TO BE PREPARED WITH ASPHALT PRIOR TO PLACING ASPHALT MIX.
 PAVEMENT WEDGING REQUIRED AT ALL SAWCUT LINES.

PAVEMENT LEGEND


-  ASPHALT REPAIR AT EXISTING ELEVATION
-  PROPOSED CONCRETE (CURB & GUTTER, CG-12, SIDEWALK, ETC)
-  PROPOSED CG-12 DETECTABLE WARNING SURFACE
-  MINIMUM PAVEMENT WEDGING AREA



FILENAME: N:\18521-02\2\CADD\HIGHWAY\18521032C1-04.DWG

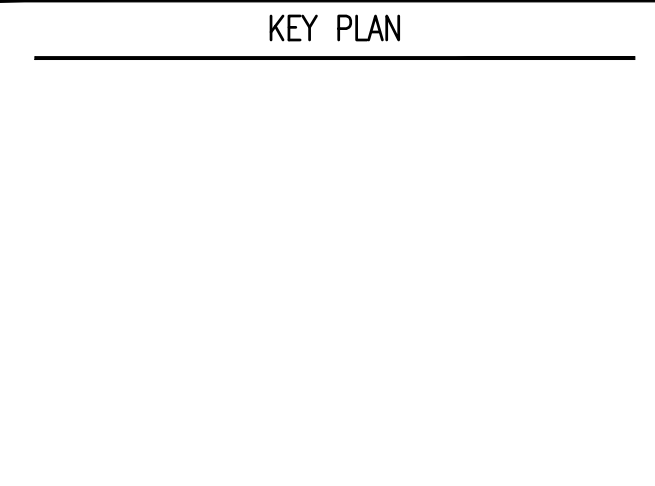
REVISIONS	

CLIENT INFORMATION
TOWN OF VIENNA, VA
 127 CENTER STREET SOUTH
 VIENNA, VA, 22180

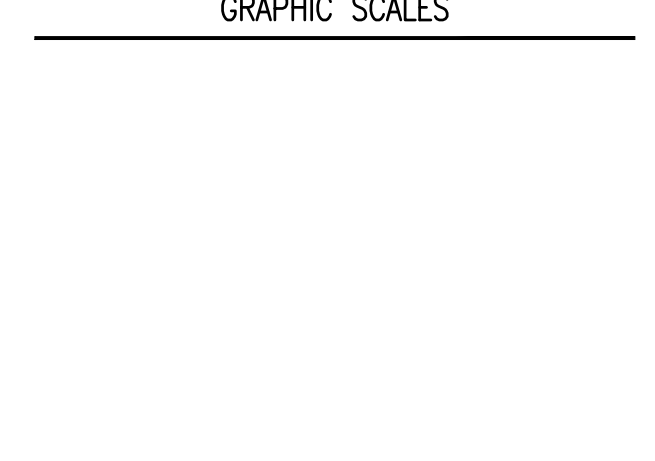


**BRANCH ROAD SE
 SIDEWALK
 IMPROVEMENTS**


KEY PLAN



GRAPHIC SCALES



SIGNATURE



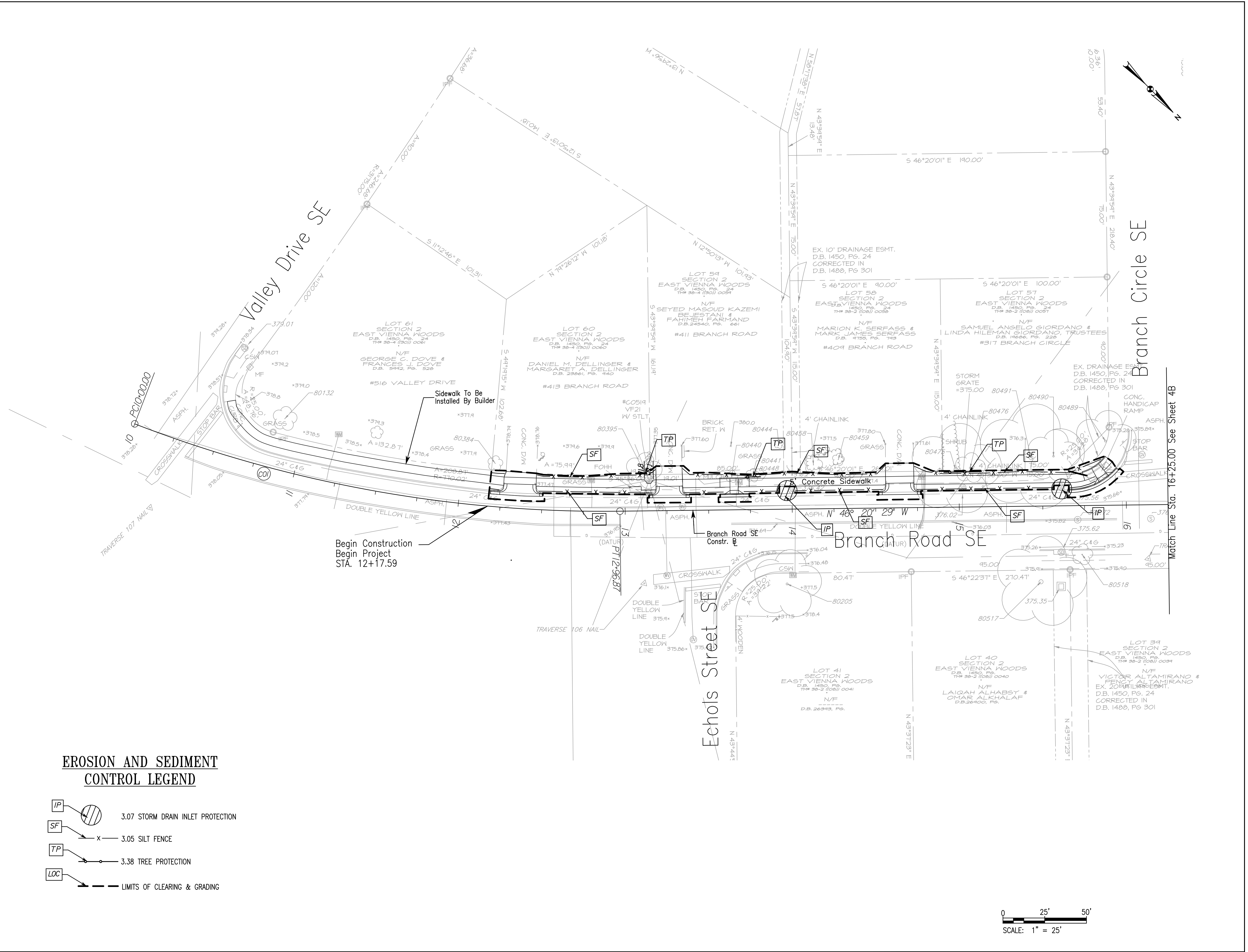
Tyler Long
 2023.03.27 09:28:52 -04'00'



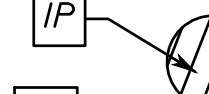
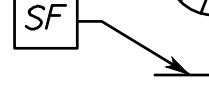
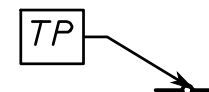
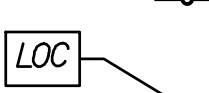
Whitman, Requardt & Associates, LLP
 12700 Fair Lakes Circle, Suite 300, Fairfax, Virginia 22033

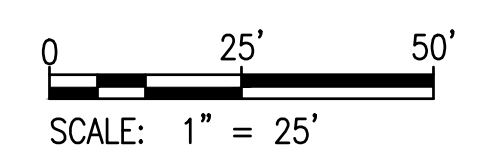
**EROSION AND SEDIMENT
 CONTROL PLAN**

SCALE: 1" = 25'		
DATE: 01/30/2023	SHEET 3B OF 16	
DES: TL	DRAWN: DA	CHECK: TL

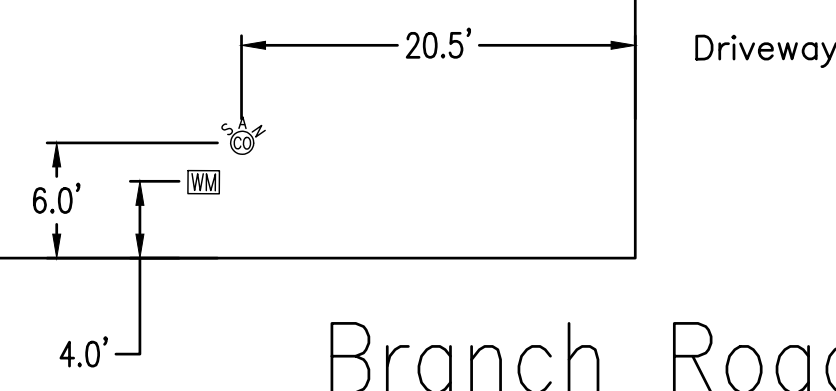


**EROSION AND SEDIMENT
 CONTROL LEGEND**

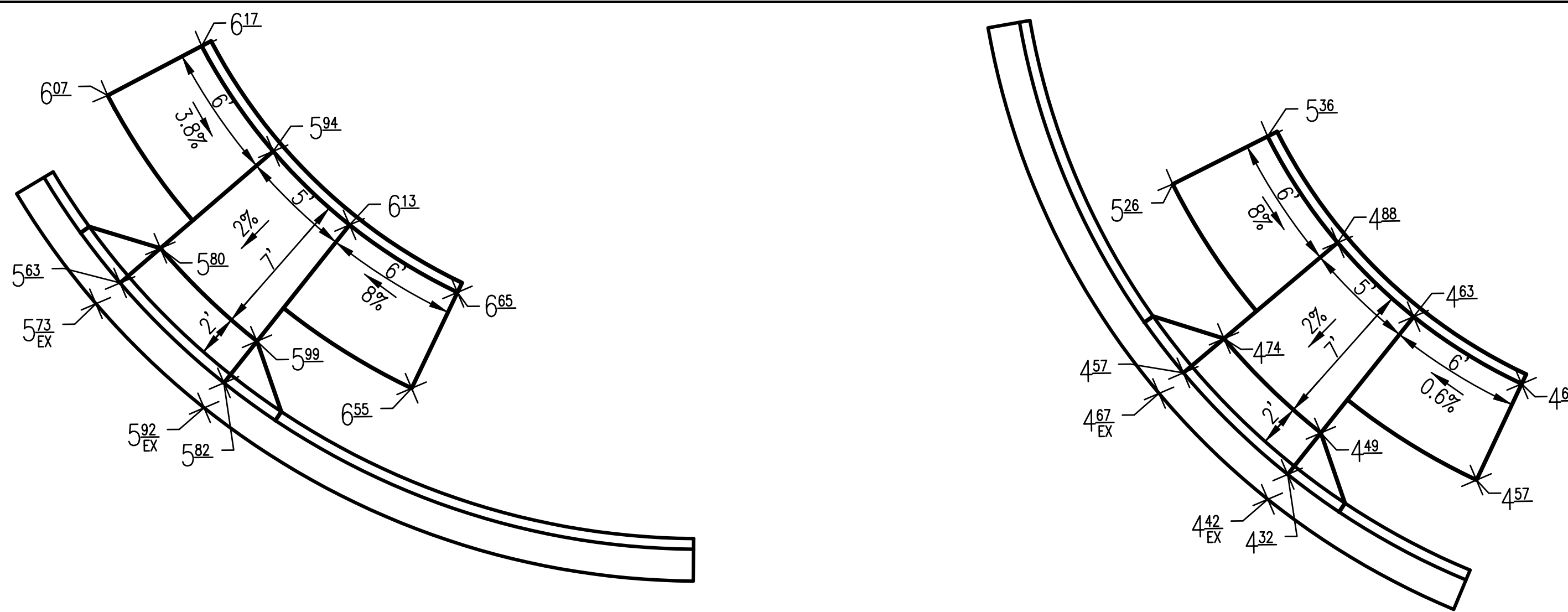
-  3.07 STORM DRAIN INLET PROTECTION
-  3.05 SILT FENCE
-  3.38 TREE PROTECTION
-  LIMITS OF CLEARING & GRADING



#303 BRANCH ROAD



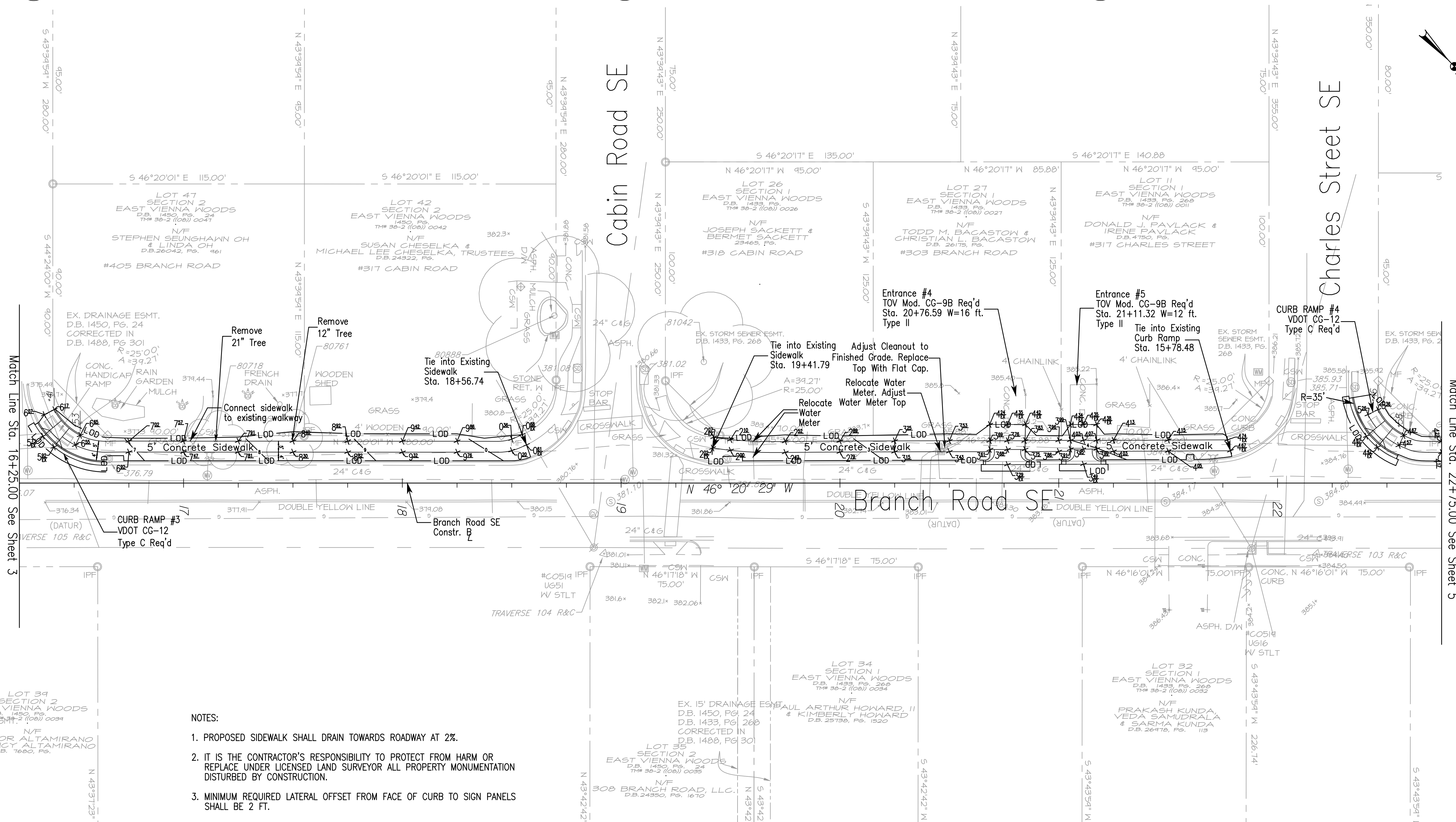
Branch Road SE



B Cleanout Location
SHEET 4 1"=10'

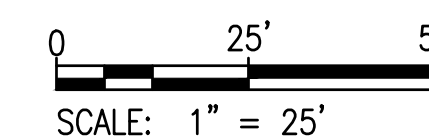
3 CURB RAMP #3
SHEET 4 NOT TO SCALE

4 CURB RAMP #4
SHEET 4 NOT TO SCALE



NOTES:

1. PROPOSED SIDEWALK SHALL DRAIN TOWARDS ROADWAY AT 2%.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT FROM HARM OR REPLACE UNDER LICENSED LAND SURVEYOR ALL PROPERTY MONUMENTATION DISTURBED BY CONSTRUCTION.
3. MINIMUM REQUIRED LATERAL OFFSET FROM FACE OF CURB TO SIGN PANELS SHALL BE 2 FT.



REVISIONS	

CLIENT INFORMATION
TOWN OF VIENNA, VA
 127 CENTER STREET SOUTH
 VIENNA, VA, 22180

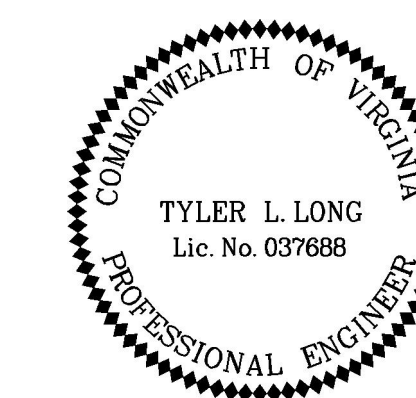


**BRANCH ROAD SE
 SIDEWALK
 IMPROVEMENTS**

KEY PLAN

GRAPHIC SCALES

SIGNATURE



Tyler Long
 2023.03.27 09:23:21 -0400'



Whitman, Requardt & Associates, LLP
 12700 Fair Lakes Circle, Suite 300, Fairfax, Virginia 22033


SITE PLAN

SCALE:		
DATE: 01/30/2023	SHEET 4 OF 16	
DES:	DRAWN:	CHECK:

FILENAME: N:\18521-02\CADD\HIGHWAY\1852102SEC1-02.DWG

REVISIONS	

CLIENT INFORMATION
TOWN OF VIENNA, VA
 127 CENTER STREET SOUTH
 VIENNA, VA, 22180




**BRANCH ROAD SE
 SIDEWALK
 IMPROVEMENTS**

KEY PLAN



GRAPHIC SCALES

SIGNATURE



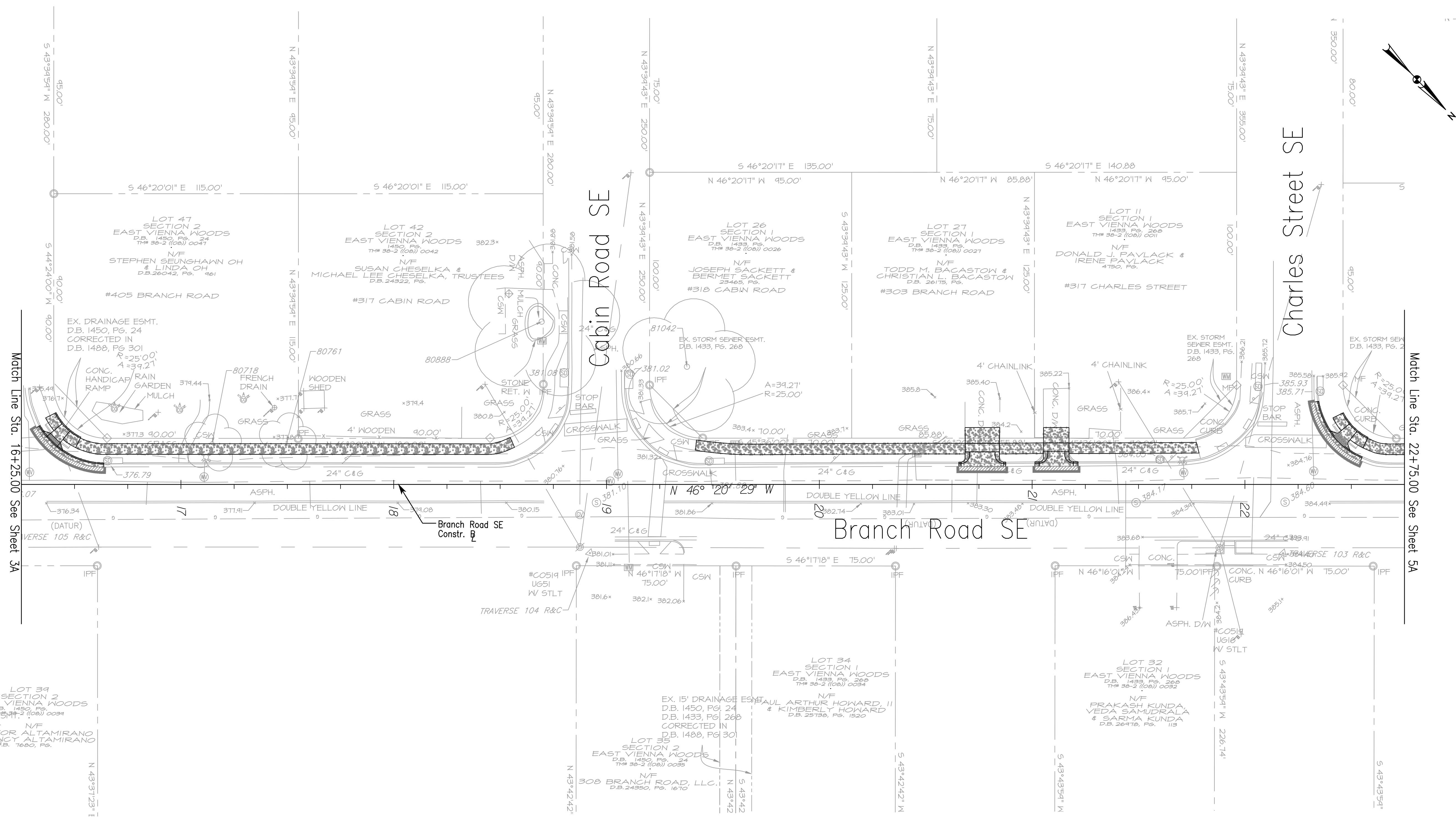
Tyler Long
 2023.03.27 09:27:09 -04'00'



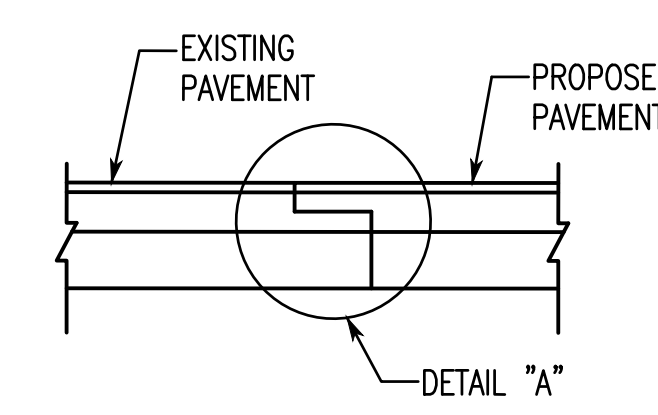
Whitman, Requardt & Associates, LLP
 12700 Fair Lakes Circle, Suite 300, Fairfax, Virginia 22033

**PAVEMENT
 IMPROVEMENT
 PLANS**

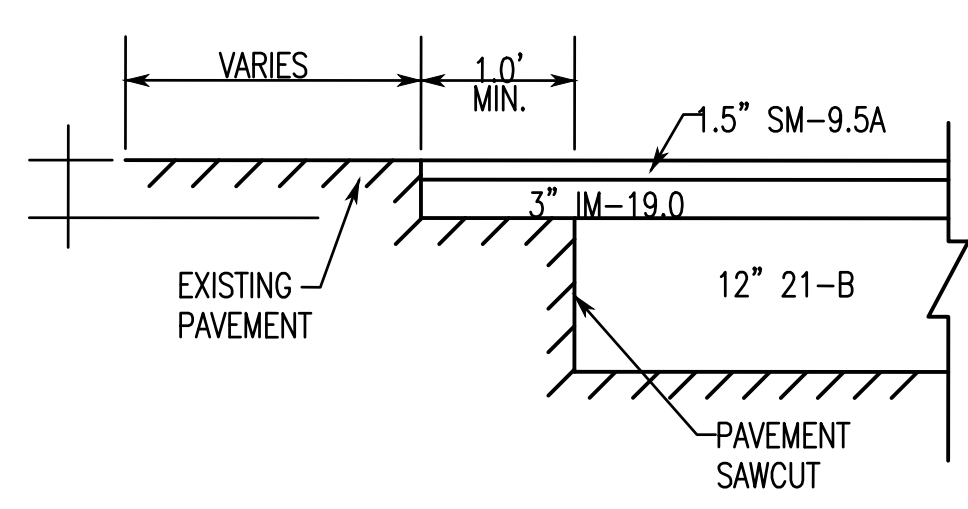
SCALE: 1" = 25'		
DATE: 01/30/2023	SHEET 4A OF 16	
DES: TL	DRAWN: DA	CHECK: TL



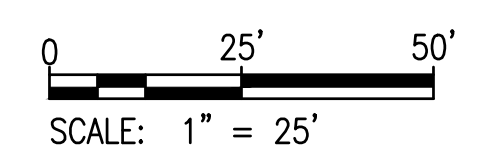
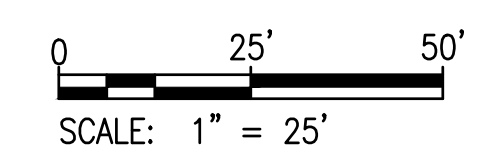
**TYPICAL PAVEMENT
 WEDGING DETAIL**
 TO BE USED FOR PAVEMENT ADDITIONS



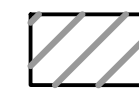



DETAIL "A"



NOTE:
 BOTTOM AND ALL SIDES OF SAWCUT TO BE PREPARED WITH ASPHALT PRIOR TO PLACING ASPHALT MIX.
 PAVEMENT WEDGING REQUIRED AT ALL SAWCUT LINES.

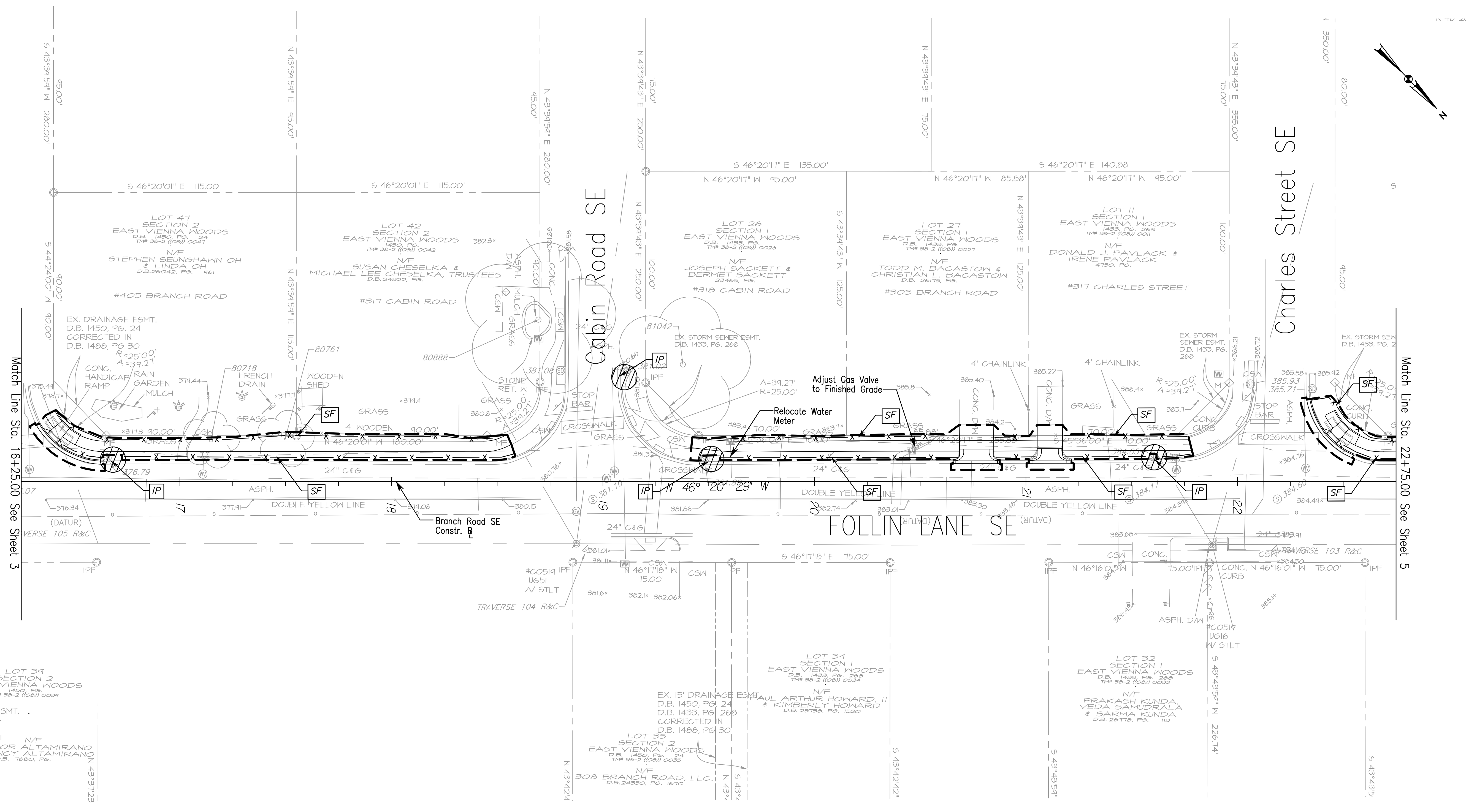


PAVEMENT LEGEND

-  ASPHALT REPAIR AT EXISTING ELEVATION
-  PROPOSED CONCRETE (CURB & GUTTER, CG-12, SIDEWALK, ETC)
-  PROPOSED CG-12 DETECTABLE WARNING SURFACE
-  MINIMUM PAVEMENT WEDGING AREA

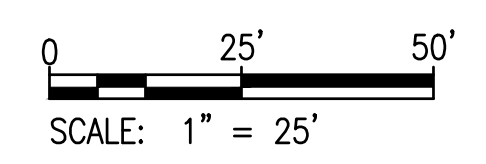
FILENAME: N:\18521-02\CADD\HIGHWAY\18521032C1-03.DWG

FILENAME: N:\18521-022\CADD\HIGHWAY\18521032C1-04.DWG




EROSION AND SEDIMENT CONTROL LEGEND

- 3.07 STORM DRAIN INLET PROTECTION
- 3.05 SILT FENCE
- 3.38 TREE PROTECTION
- LIMITS OF CLEARING & GRADING



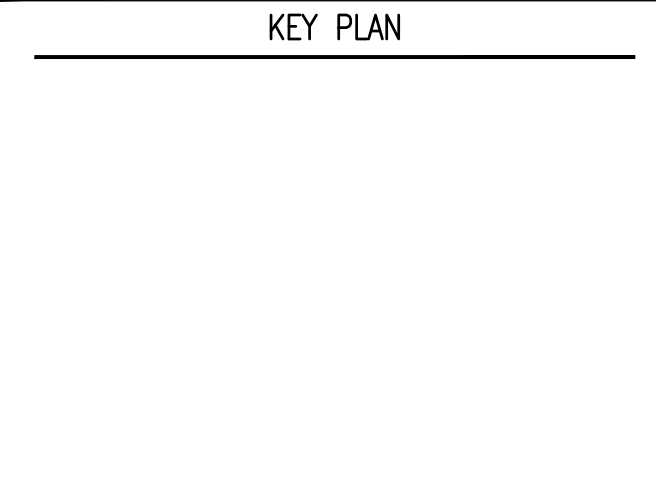
REVISIONS	

CLIENT INFORMATION
TOWN OF VIENNA, VA
 127 CENTER STREET SOUTH
 VIENNA, VA, 22180




BRANCH ROAD SE SIDEWALK IMPROVEMENTS

KEY PLAN



GRAPHIC SCALES

SIGNATURE



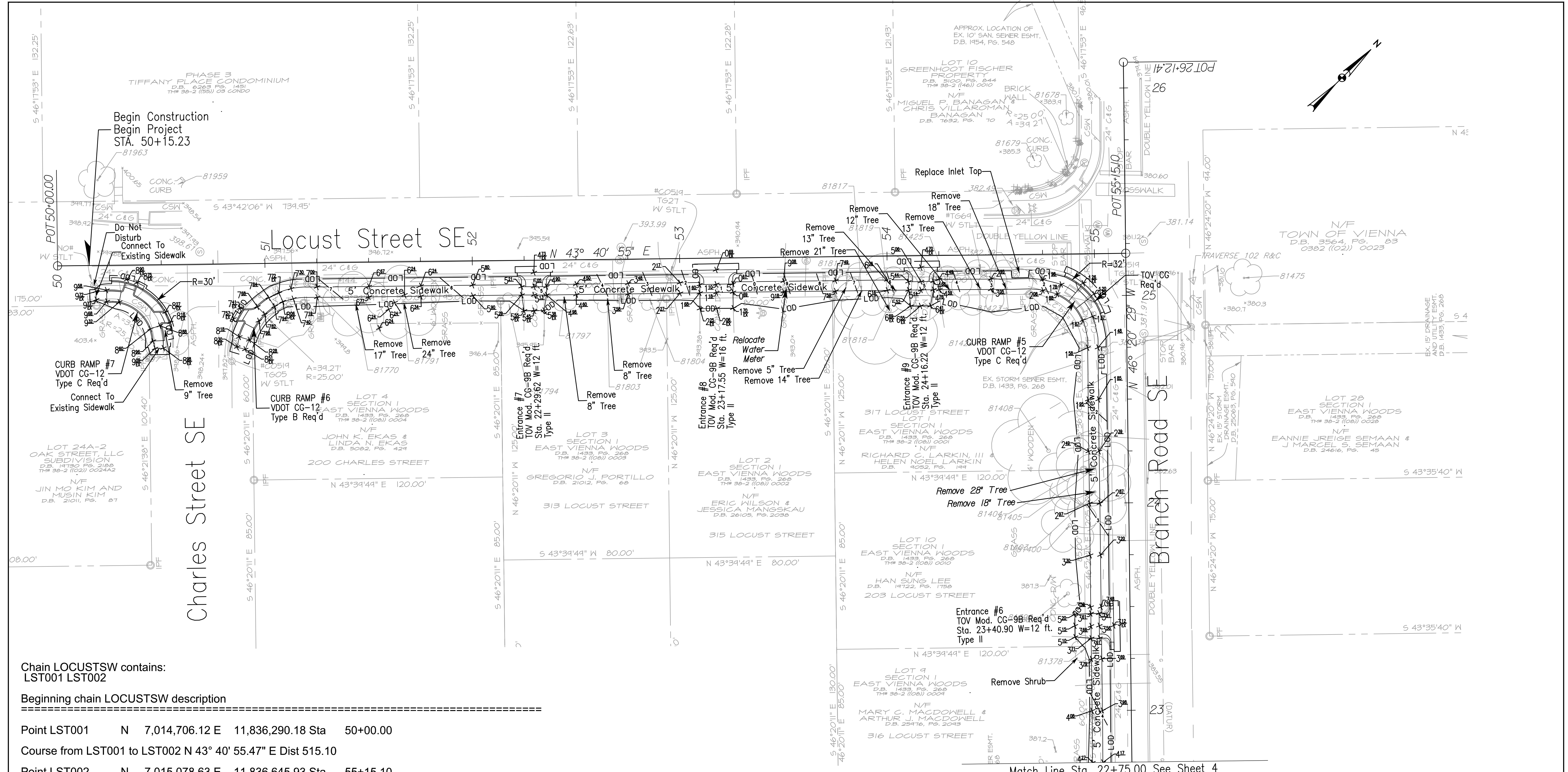
Tyler L. Long
 2023.03.27 09:29:26 -04'00'



Whitman, Requardt & Associates, LLP
 12700 Fair Lakes Circle, Suite 300, Fairfax, Virginia 22033


EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1" = 25'		
DATE: 01/30/2023	SHEET 4B OF 16	
DES: TL	DRAWN: DA	CHECK: TL



REVISIONS	

CLIENT INFORMATION
TOWN OF VIENNA, VA
 127 CENTER STREET SOUTH
 VIENNA, VA, 22180




**BRANCH ROAD SE
 SIDEWALK
 IMPROVEMENTS**

KEY PLAN



GRAPHIC SCALES

SIGNATURE



Tyler Long
 2023.03.27 10:06:43 -04'00'

Chain LOCUSTSW contains:
 LST001 LST002

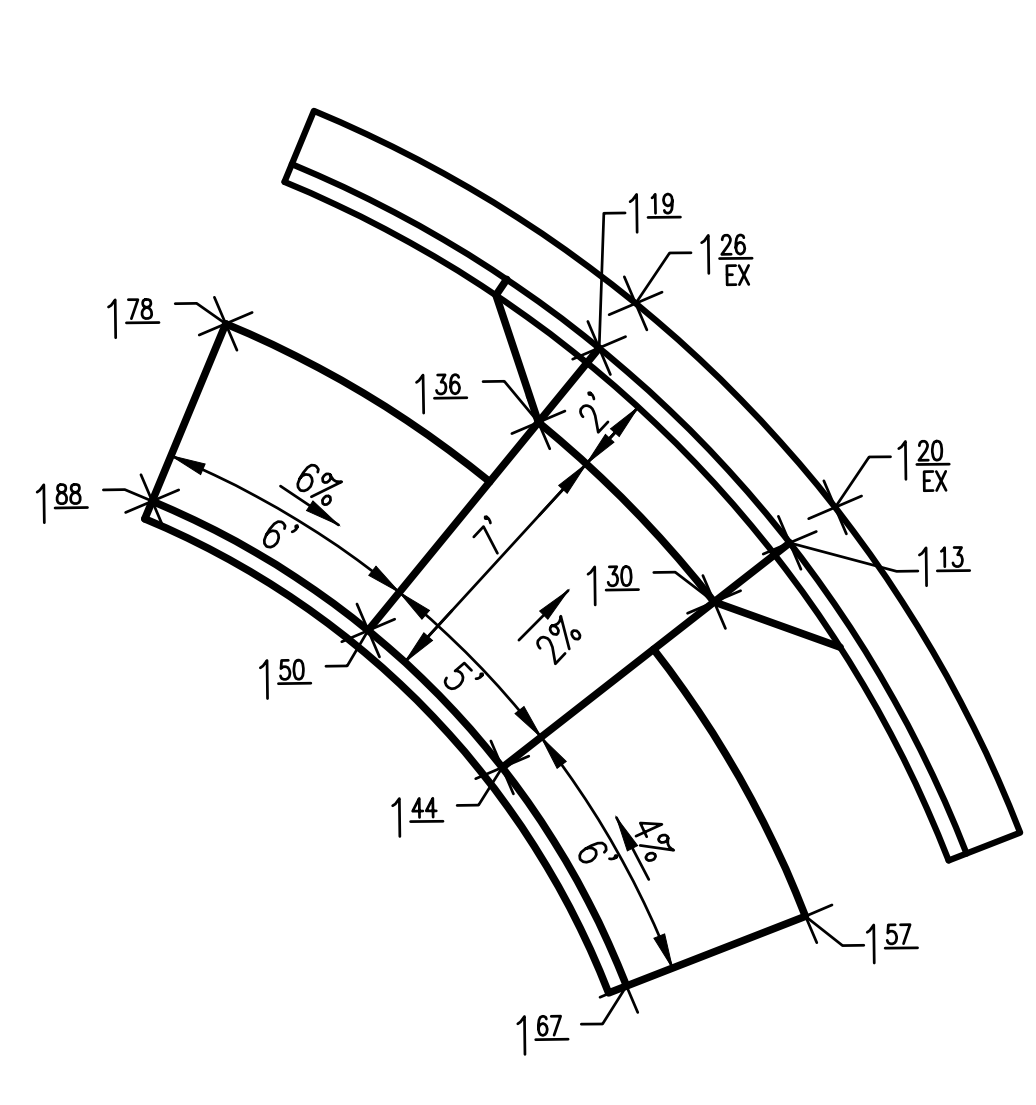
Beginning chain LOCUSTSW description

Point LST001 N 7,014,706.12 E 11,836,290.18 Sta 50+00.00

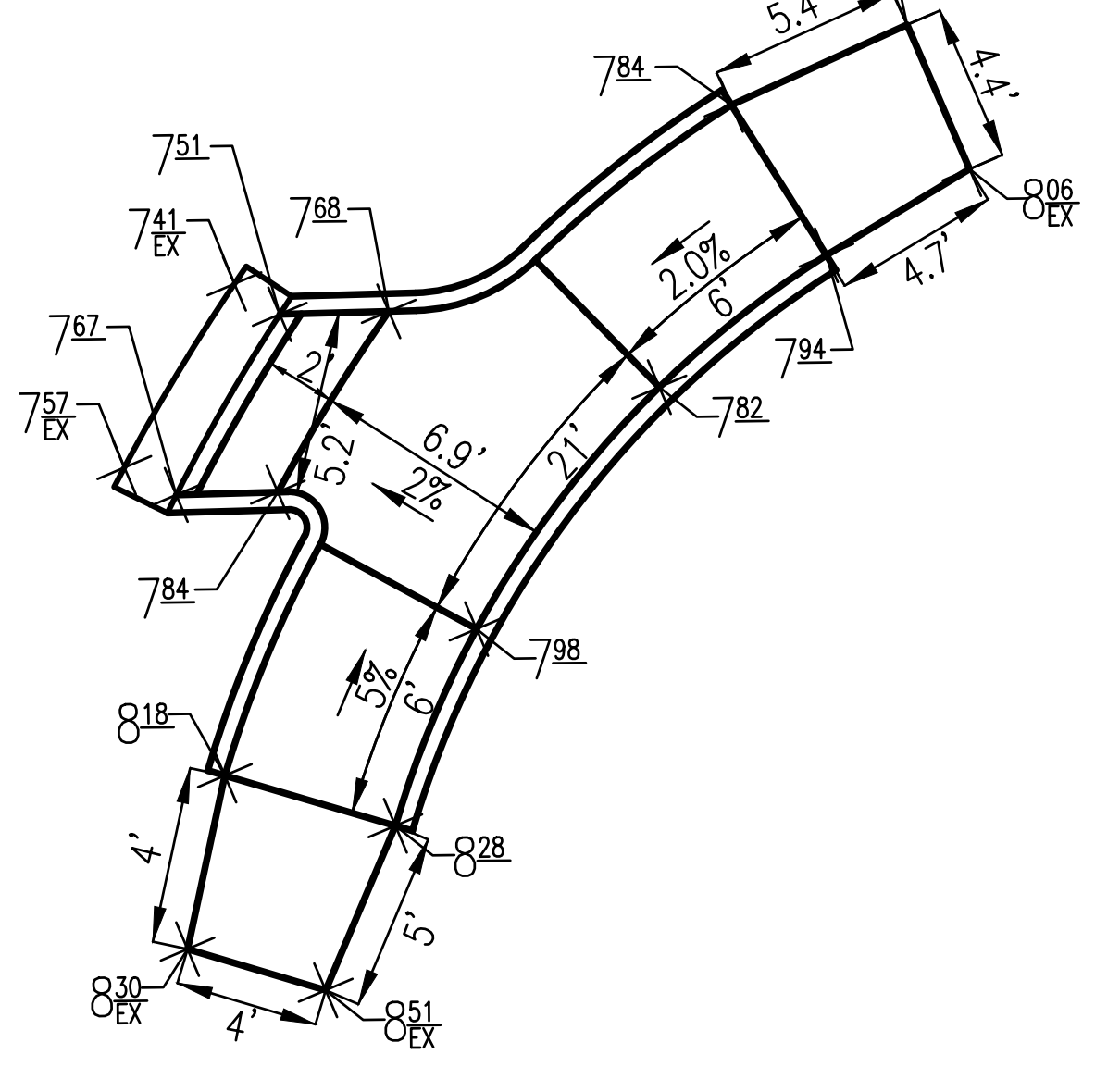
Course from LST001 to LST002 N 43° 40' 55.47" E Dist 515.10

Point LST002 N 7,015,078.63 E 11,836,645.93 Sta 55+15.10

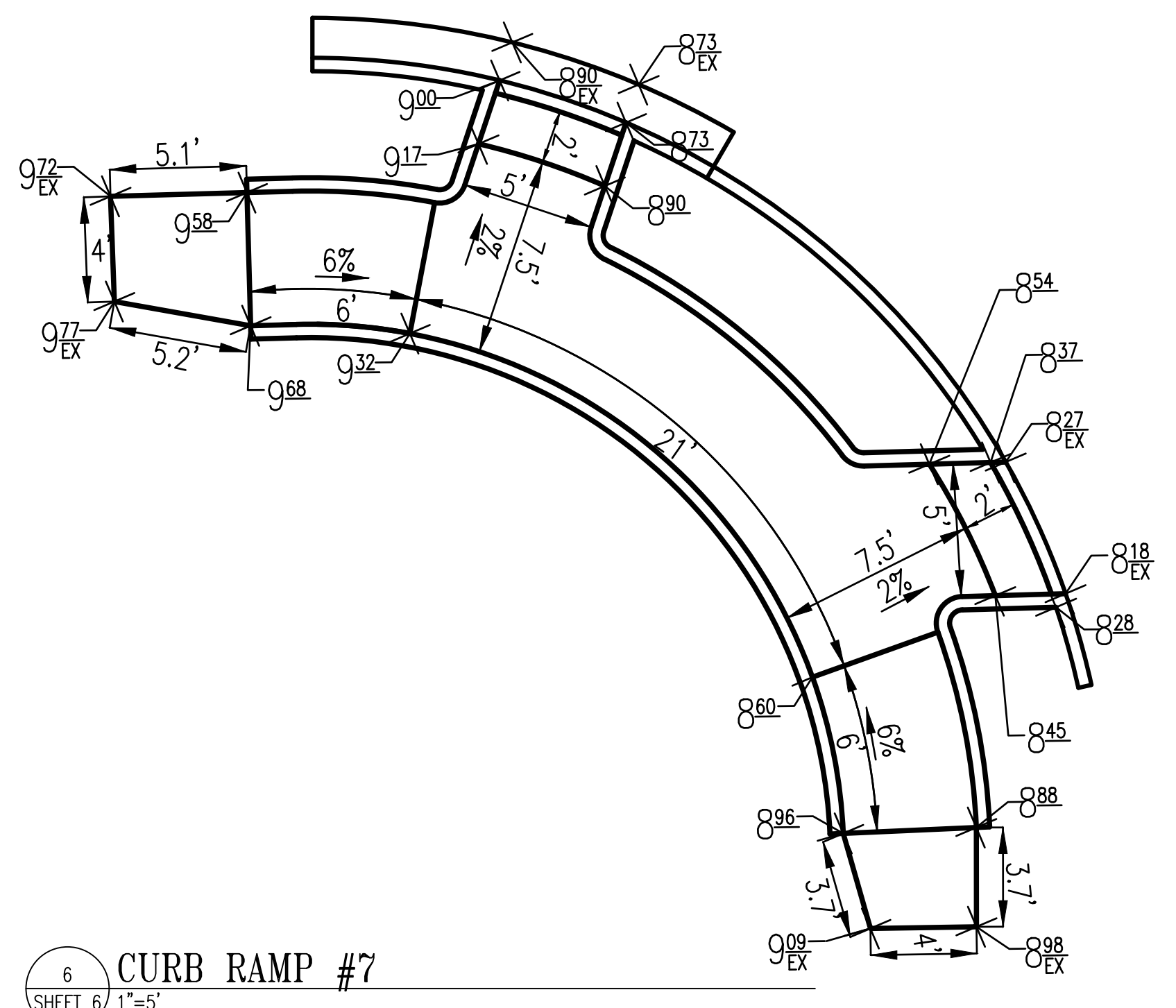
Ending chain LOCUSTSW description



5 CURB RAMP #5
 SHEET 5 1"=5'

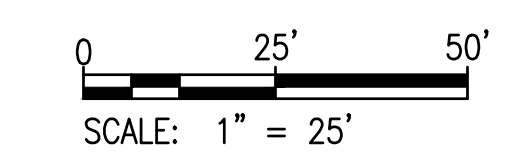


6 CURB RAMP #6
 SHEET 6 1"=5'



6 CURB RAMP #7
 SHEET 6 1"=5'

- NOTES:
1. PROPOSED SIDEWALK SHALL DRAIN TOWARDS ROADWAY AT 2%.
 2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT FROM HARM OR REPLACE UNDER LICENSED LAND SURVEYOR ALL PROPERTY MONUMENTATION DISTURBED BY CONSTRUCTION.
 3. MINIMUM REQUIRED LATERAL OFFSET FROM FACE OF CURB TO SIGN PANELS SHALL BE 2 FT.



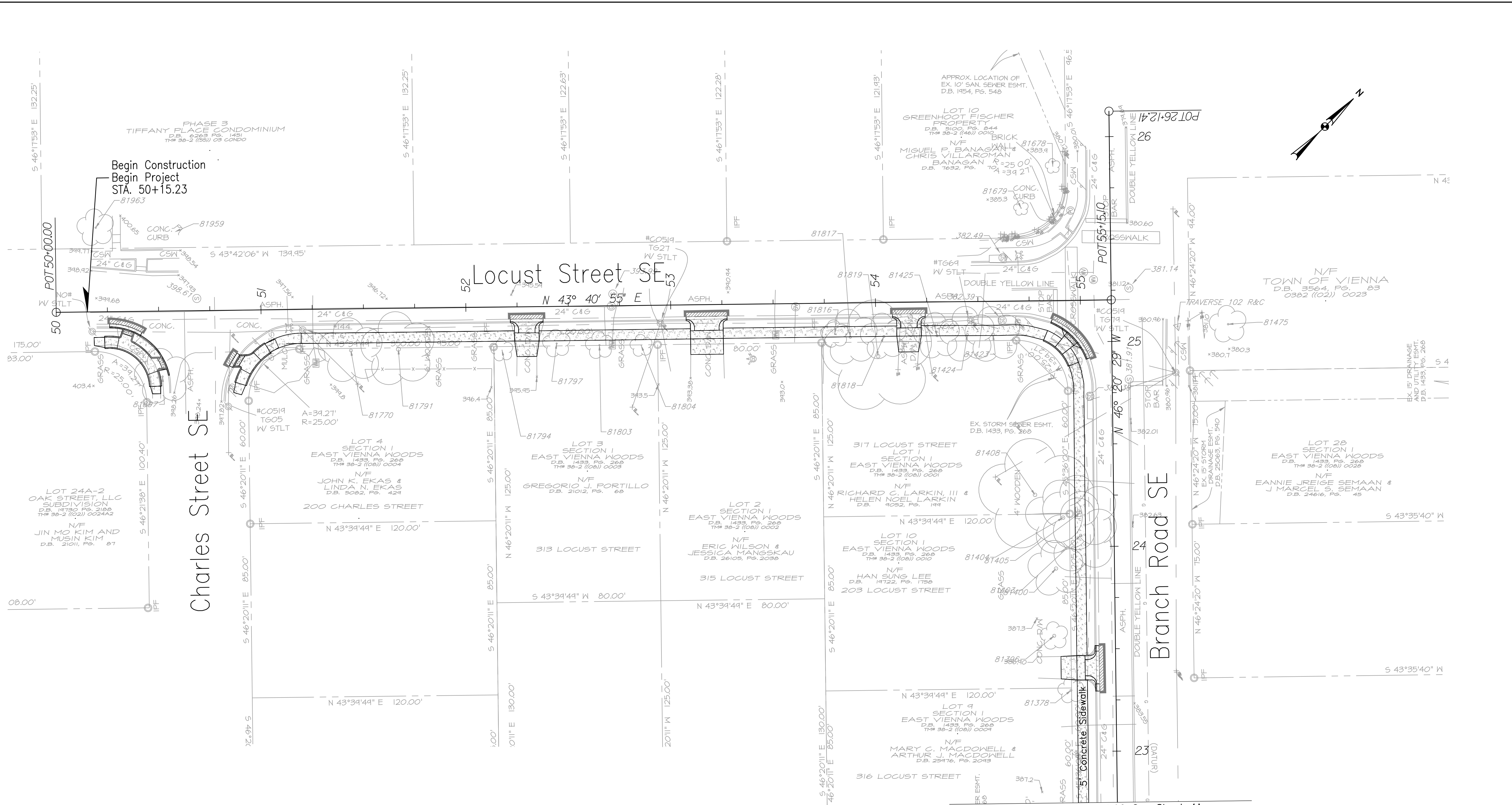
SITE PLAN

SCALE:

DATE: 01/30/2023	SHEET 5 OF 16
DES:	DRAWN: CHECK:

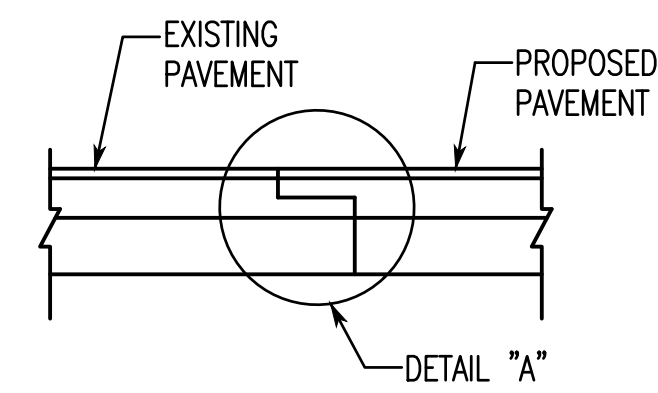
FILENAME: N:\18521-02\CAD\HIGHWAY\18521032C1-02.DWG

FILENAME: N:\18521-02\3\CADD\HIGHWAY\18521032C1-03.DWG

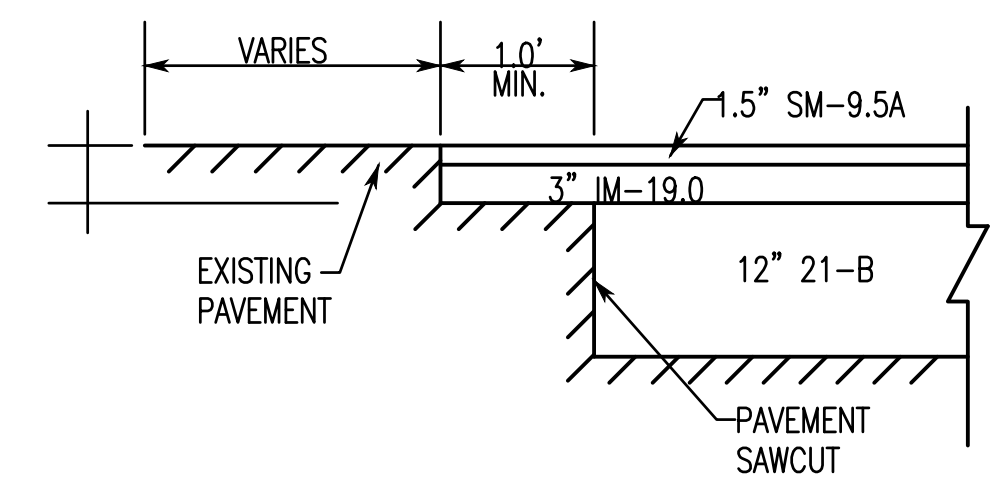


Match Line Sta. 22+75.00 See Sheet 4A

TYPICAL PAVEMENT WEDGING DETAIL
TO BE USED FOR PAVEMENT ADDITIONS



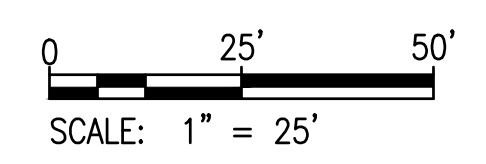
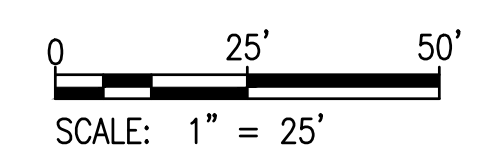
DETAIL "A"



NOTE:
BOTTOM AND ALL SIDES OF SAWCUT TO BE PREPARED WITH ASPHALT PRIOR TO PLACING ASPHALT MIX.
PAVEMENT WEDGING REQUIRED AT ALL SAWCUT LINES.


PAVEMENT LEGEND

- ASPHALT REPAIR AT EXISTING ELEVATION
- PROPOSED CONCRETE (CURB & GUTTER, CG-12, SIDEWALK, ETC)
- PROPOSED CG-12 DETECTABLE WARNING SURFACE
- MINIMUM PAVEMENT WEDGING AREA



REVISIONS	

CLIENT INFORMATION
TOWN OF VIENNA, VA
127 CENTER STREET SOUTH
VIENNA, VA, 22180




BRANCH ROAD SE SIDEWALK IMPROVEMENTS

KEY PLAN

GRAPHIC SCALES

SIGNATURE



Tyler Long
2023.03.27 09:28:15 -04'00'

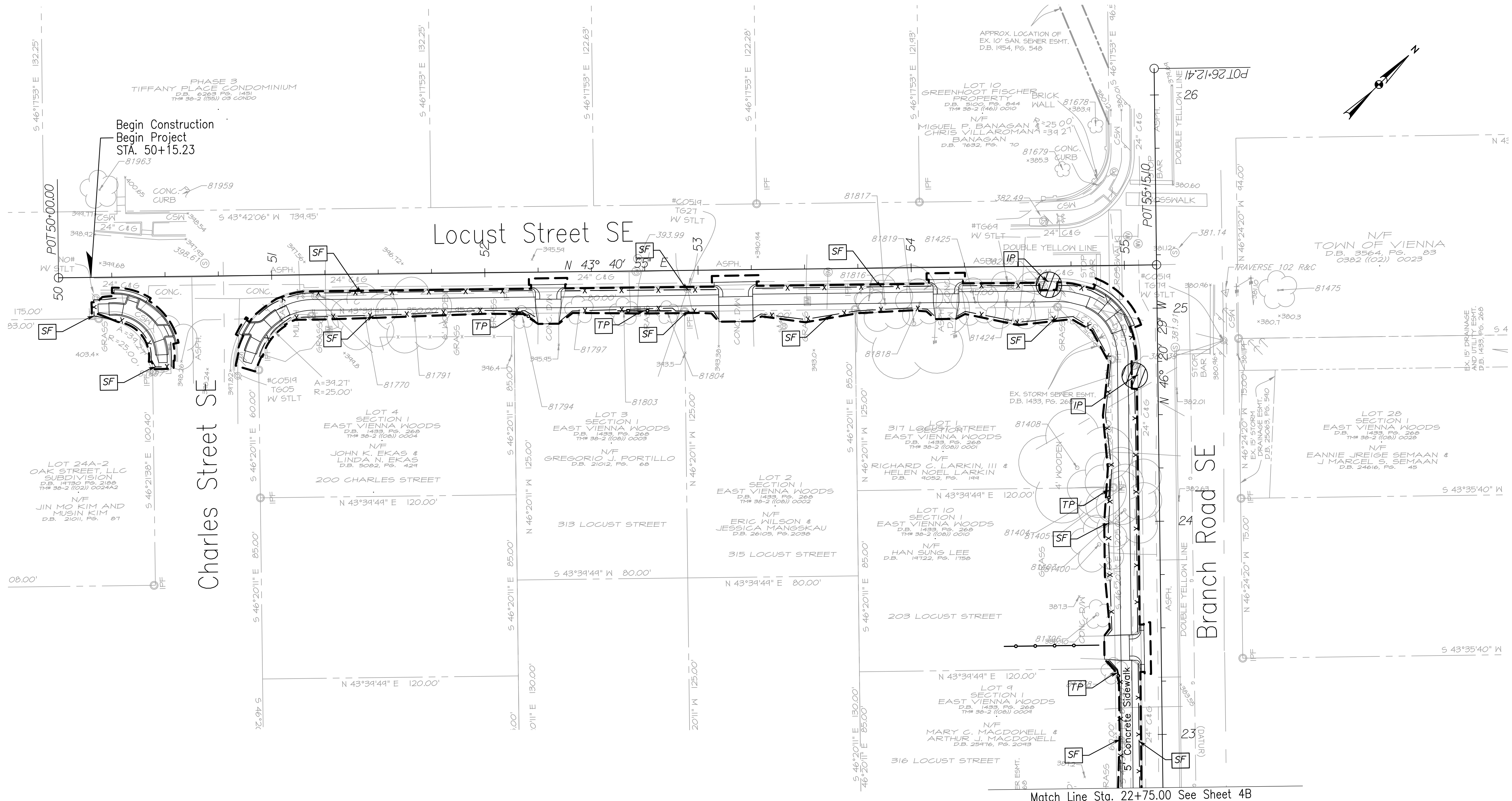


Whitman, Requardt & Associates, LLP
12700 Fair Lakes Circle, Suite 300, Fairfax, Virginia 22033

PAVEMENT IMPROVEMENT PLANS

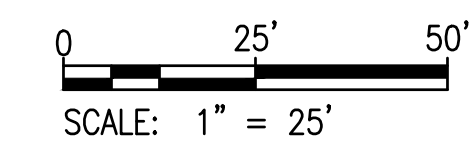
SCALE: 1" = 25'		
DATE: 01/30/2023	SHEET 5A OF 16	
DES: TL	DRAWN: DA	CHECK: TL

FILENAME: N:\18521-02\2\CADD\HIGHWAY\18521032C1-04.DWG




EROSION AND SEDIMENT CONTROL LEGEND

- 3.07 STORM DRAIN INLET PROTECTION
- 3.05 SILT FENCE
- 3.38 TREE PROTECTION
- LIMITS OF CLEARING & GRADING



REVISIONS	

CLIENT INFORMATION
TOWN OF VIENNA, VA
 127 CENTER STREET SOUTH
 VIENNA, VA, 22180




BRANCH ROAD SE SIDEWALK IMPROVEMENTS

KEY PLAN

GRAPHIC SCALES

SIGNATURE



Tyler Long
 2023.03.27 09:30:02 -04'00'



Whitman, Requardt & Associates, LLP
 12700 Fair Lakes Circle, Suite 300, Fairfax, Virginia 22033

EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1" = 25'		
DATE: 01/30/2023	SHEET 5B OF 16	
DES: TL	DRAWN: DA	CHECK: TL

EROSION AND SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION
 THIS PROJECT CONSISTS OF A SIDEWALK IMPROVEMENT PLAN FOR THE EXISTING LOCUST STREET SE AND BRANCH ROAD SE. IMPROVEMENTS INCLUDE CURB AND GUTTER, SIDEWALK, DRIVEWAY ENTRANCES, AND CG-12 DETECTABLE WARNING SURFACES. THE TOTAL DISTURBED AREA FOR THE PROJECT IS 0.53 ACRES.

EXISTING SITE CONDITIONS
 THE SITE IS EXISTING ROADWAY, LOCUST STREET SE AND BRANCH ROAD SE, WITH CURB AND GUTTER, DRIVEWAY ENTRANCES, AND FRONT YARDS CONTAINING MAILBOXES, WATER METERS, TREES, FENCE, ETC.

ADJACENT PROPERTIES
 THE SITE IS SURROUNDED ON ALL SIDES BY SINGLE-FAMILY LOTS.

OFF-SITE AREAS
 THERE IS CONSTRUCTION ON OFF-SITE AREAS ADJACENT TO THE ROADWAY. EROSION AND SEDIMENT CONTROL DEVICES WILL BE PLACED OFFSITE AS SHOWN ON PLAN.

SOILS INFORMATION

SOIL ID NUMBERS	SOIL SERIES NAME	FOUNDATION SUPPORT	SOIL DRAINAGE	EROSION POTENTIAL	PROBLEM CLASS
105B	WHEATON-GLENELG COMPLEX	GOOD	GOOD	HIGH	IVB
108B	WHEATON-SUMERDUCK COMPLEX	MARGINAL-W,B	POOR-W,S	MEDIUM	IVB

CRITICAL EROSION AREAS
 THERE ARE NO CRITICAL AREAS ASSOCIATED WITH THIS PROJECT. NO SLOPES ARE GREATER THAN 20%, AND THERE ARE NOT RESOURCE PROTECTION AREAS WITHIN THE PROJECT LIMITS.

EROSION AND SEDIMENT CONTROL MEASURES
 THE EROSION AND SEDIMENT CONTROL MEASURES FOR THIS PROJECT ARE DESCRIBED IN DETAIL IN THE EROSION AND SEDIMENT CONTROL PROGRAM ON THIS SHEET.

OVERALL MANAGEMENT STRATEGY
 THE OVERALL STRATEGY FOR THIS SITE IS TO TREAT THE ONSITE RUNOFF WITH PERIMETER SILT FENCE AND INLET PROTECTION.

EROSION CONTROL PROGRAM (GENERAL GUIDELINES)
 NOT MORE THAN 75% OF THE SITE IS TO BE DENUDED AT ONE TIME. TEMPORARY SEEDING AND MULCHING ARE TO BE APPLIED TO ANY AREA WITHIN THE SITE NOT CONTINUOUSLY WORKED FOR 5 DAYS AFTER CLEARING AND ROUGH GRADING. IN ADDITION, THE CONTRACTOR SHALL TAKE THE FOLLOWING STEPS TO MINIMIZE THE VOLUME OF SILT:

- CONTRACTOR SHALL EVALUATE THE SITE TO DETERMINE EXTENSIVE CUT AND FILL AREAS AND SHALL WORK THOSE AREAS TO MINIMIZE THE EXTENT OF HEAVY EQUIPMENT WORK. CONTRACTOR SHALL STRIVE TO BRING AREAS TO GRADE (ROUGH OF FINISH) AND TO STABILIZE, BY TEMPORARY OR PERMANENT VEGETATION, THESE DISTURBED AREAS PRIOR TO BEGINNING WORK IN OTHER AREAS.
- FILL AREAS SHALL BE COMPACTED COMPLETELY PRIOR TO THE END OF EACH WORK DAY. FILL SLOPE SURFACES SHALL BE LEFT ROUGHENED TO REDUCE SHEET EROSION OF THE SLOPES. CONTRACTOR SHALL REDIRECT CONCENTRATED RUNOFF, BY EARTH BERMS OR OTHER DEVICES, AROUND ACTIVELY DISTRIBUTED AREAS TO STABILIZE OUTLETS.
- CUT SLOPE, AS NECESSARY, SHALL BE PROTECTED FROM CONCENTRATED FLOW BY BERMS ABOVE THE SLOPE AND DIRECTED AROUND THE DISTURBED AREA TO STABILIZED OUTLETS.
- IN NEW PAVEMENT AREAS, PLACE THE AGGREGATE BASE STONE ON THE FINISHED SUBGRADE AT THE EARLIEST POSSIBLE TIME.
- MATERIALS AND METHODS USED IN CONSTRUCTION AND MAINTENANCE OF THE EROSION AND SEDIMENT CONTROL MEASURES REQUIRED SHALL CONFORM TO THE CONSTRUCTION STANDARDS AND SPECIFICATIONS IN CHAPTER 3 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESCH), THIRD EDITION, 1992, AS WELL AS ANY OTHER APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
- WHERE APPROPRIATE AND FEASIBLE, AREAS IN WHICH NATURAL GRADES ARE NOT IMPACTED BY PROPOSED GRADING OR STOCKPILE AREAS, SHALL BE LEFT WITH THEIR EXISTING VEGETATION IN PLACE. ALL AREAS SUBJECT TO GRADING SHALL BE SEEDED AND MULCHED AS SOON AS PRACTICAL.
- PERMANENT OR SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN 1 YEAR.

SEDIMENT CONTROL PROGRAM (PHASE 1)
 1. INSTALL PERIMETER CONTROLS AS SHOWN ON THE PHASE 1 PLAN (SILT FENCE, INLET PROTECTION, ETC.)
 PERIMETER CONTROLS MUST BE APPROVED IN WRITING BY THE TOWN E&S INSPECTOR BEFORE CLEARING OF THE SITE CAN TAKE PLACE.
 2. BEGIN GRADING OF PROJECT SITE AND RELOCATION OF UTILITIES.

SEDIMENT CONTROL PROGRAM (PHASE 2)
 1. BEGIN CONSTRUCTION OF SIDEWALK, DRIVEWAY ENTRANCES, PAVEMENT AND CURB AND GUTTER.
 2. INLET PROTECTION (IP) INSTALLED DURING PHASE 1 SHALL BE ROUTINELY INSPECTED AND REPLACED IF NECESSARY.
 3. PERMANENTLY STABILIZE UNPAVED AREAS WITH SOD (PER SEC. 3.33 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK).
 4. THE CONTROL MEASURES MAY NOT BE REMOVED UNTIL ALL OF THE DISTURBED AREAS HAVE BEEN STABILIZED AND ONLY AS APPROVED AND DIRECTED BY THE INSPECTOR.

MAINTENANCE
 THE FOLLOWING IS A PROGRAM OF MAINTENANCE FOR THE MECHANICAL AND PERMANENT CONTROLS SPECIFIED IN THIS NARRATIVE AND ON THE PLAN:

- THE SITE SUPERINTENDENT, OR HIS REPRESENTATIVE, SHALL MAKE A VISUAL INSPECTION OF ALL MECHANICAL CONTROLS AND NEWLY STABILIZED AREAS (I.E., SEEDED OR SODDED AREAS) ON A DAILY BASIS (ESPECIALLY AFTER A HEAVY RAINFALL) TO ENSURE THAT ALL CONTROLS ARE IN PLACE AND THAT NONE HAVE BEEN DAMAGED. ANY DAMAGED CONTROL SHALL BE REPAIRED PRIOR TO THE END OF THE WORK DAY TO INCLUDE RESEEDING OR RESETTling, IF NECESSARY. WHEN IT IS CLEAR THAT PLANTS HAVE NOT GERMINATED ON AN AREA OR HAVE DIED, THESE AREAS MUST BE RE-SEEDING IMMEDIATELY TO PREVENT EROSION DAMAGE.
- AFTER ALL CONSTRUCTION OPERATIONS HAVE ENDED AND ALL DISTURBED AREAS ARE STABILIZED, MECHANICAL SEDIMENT CONTROLS SHALL BE REMOVED AND THE GROUND SHALL BE RESTORED ESTABLISHMENT OF VEGETATION, TO ITS NATURAL OR PROPOSED CONDITION. REMOVAL OF ANY CONTROL IS CONTINGENT UPON APPROVAL BY THE TOWN INSPECTOR.

PERMANENT STABILIZATION
 AFTER CONSTRUCTION IS COMPLETE ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH SEC. 3.32 AND 3.35 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.

STORMWATER MANAGEMENT
 N/A

ADDITIONAL NOTES
 1. THE TOWN INSPECTOR SHALL HAVE THE AUTHORITY TO DIRECT THE ADDITION OR DELETION OF EROSION AND SEDIMENT CONTROLS AS SITE CONDITIONS WARRANT.
 2. EARTHEN STRUCTURES ARE TO BE STABILIZED IMMEDIATELY UPON COMPLETION.

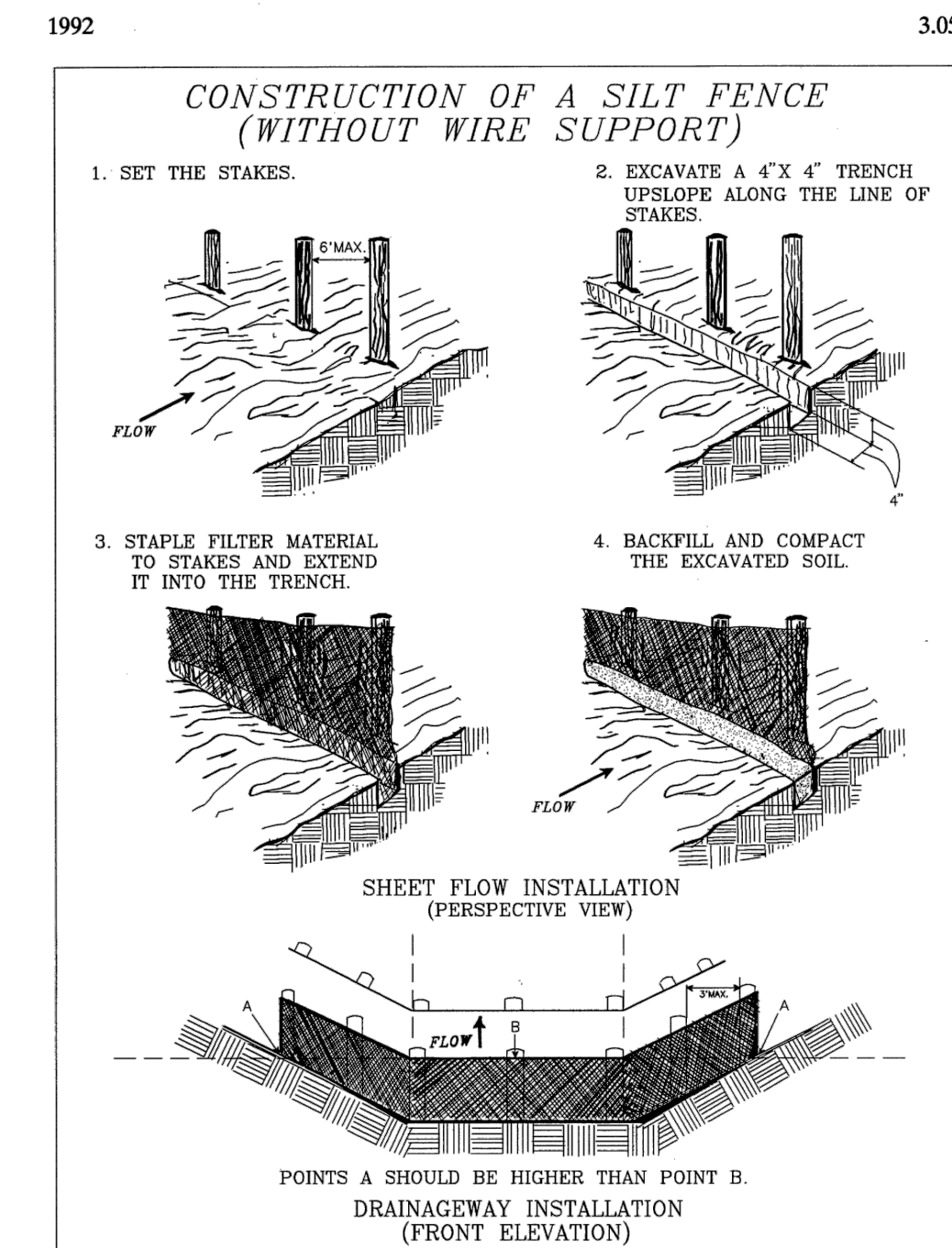
EROSION AND SEDIMENT CONTROL MEASURES
 UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VESCH.

THE STRUCTURAL PRACTICES PROPOSED WITH THIS PLAN ARE AS FOLLOWS:

- SILT FENCE - 3.05**
 A TEMPORARY SEDIMENT BARRIER CONSISTING OF A SYNTHETIC FILTER FABRIC STRETCHED ACROSS AND ATTACHED TO SUPPORTING POSTS AND ENTRENCHED.
- STORM DRAIN INLET PROTECTION - 3.07**
 A SEDIMENT FILTER OR AN EXCAVATED IMPOUNDING AREA AROUND A STORM DRAIN DROP INLET OR CURB INLET.
- TOPSOIL - 3.30**
 PRESERVING AND REUSING THE SURFACE LAYER OF SOIL FROM AREAS TO BE GRADED.
- TEMPORARY SEEDING - 3.31**
 THE ESTABLISHMENT OF A TEMPORARY VEGETATIVE COVER ON DISTURBED AREAS BY SEEDING WITH APPROPRIATE RAPIDLY GROWING ANNUAL PLANTS.
- SODDING - 3.33**
 STABILIZING FINE-GRADED DISTURBED AREAS BY ESTABLISHING PERMANENT GRASS STANDS WITH SOD.
- MULCHING - 3.35**
 APPLICATION OF PLANT RESIDUES OR OTHER SUITABLE MATERIALS TO THE SOIL SURFACE.
- TREE PROTECTION - 3.38**
 PROTECTION OF DESIRABLE TREES FROM MECHANICAL AND OTHER INJURY DURING LAND DISTURBING AND CONSTRUCTION ACTIVITY.
- DUST CONTROL - 3.39**
 REDUCING SURFACE AND AIR MOVEMENT OF DUST DURING LAND DISTURBING, DEMOLITION, AND CONSTRUCTION ACTIVITIES, BY SPRAYING FROM A WATER TRUCK OR OTHER APPROVED METHOD.

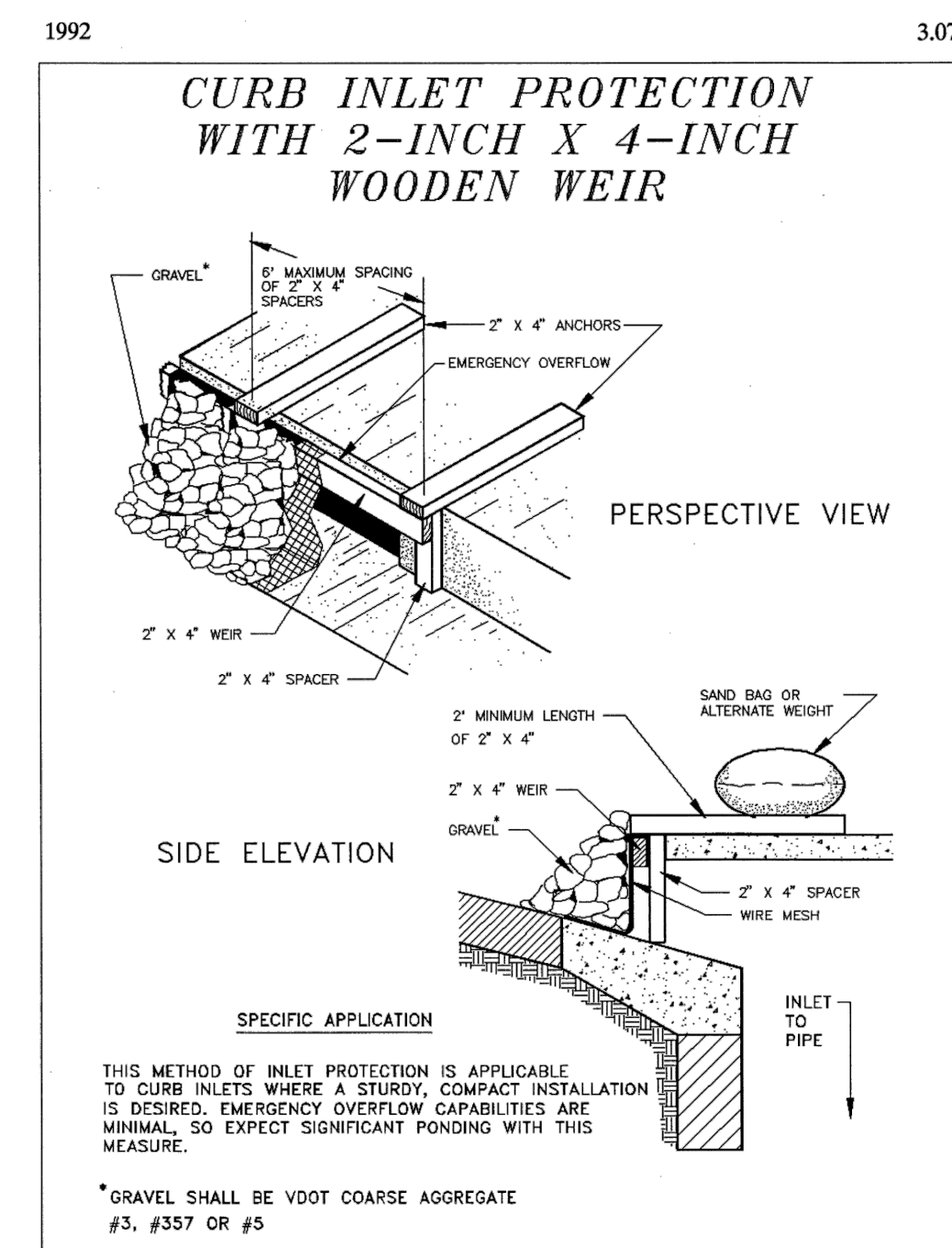
GENERAL LAND CONSERVATION NOTES

- ALL LAND CONSERVATION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.
- NO DISTURBED AREA WILL REMAIN DENUDED FOR MORE THAN 14 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY THE TOWN.
- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN GRADING. FIRST AREAS TO BE CLEARED ARE TO BE THOSE REQUIRED FOR THE PERIMETER CONTROLS.
- ELECTRIC POWER, TELEPHONE AND GAS SUPPLY TRENCHES ARE TO BE COMPACTED, SEEDED AND MULCHED WITHIN 5 DAYS AFTER BACKFILL.
- ALL TEMPORARY EARTH BERMS, AND DIVERSIONS ARE TO BE MULCHED AND SEEDED FOR TEMPORARY VEGETATIVE COVER IMMEDIATELY AFTER GRADING. STRAW OR HAY MULCH IS REQUIRED. THE SAME APPLIES TO ALL SOIL STOCKPILES.
- DURING CONSTRUCTION, ALL STORM SEWER INLETS WILL BE PROTECTED BY INLET PROTECTION DEVICES, MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS.
- AT THE COMPLETION OF CONSTRUCTION, ALL TEMPORARY SILTATION AND EROSION CONTROLS SHALL BE REMOVED AND ALL DISTURBED AREAS SHALL BE STABILIZED.



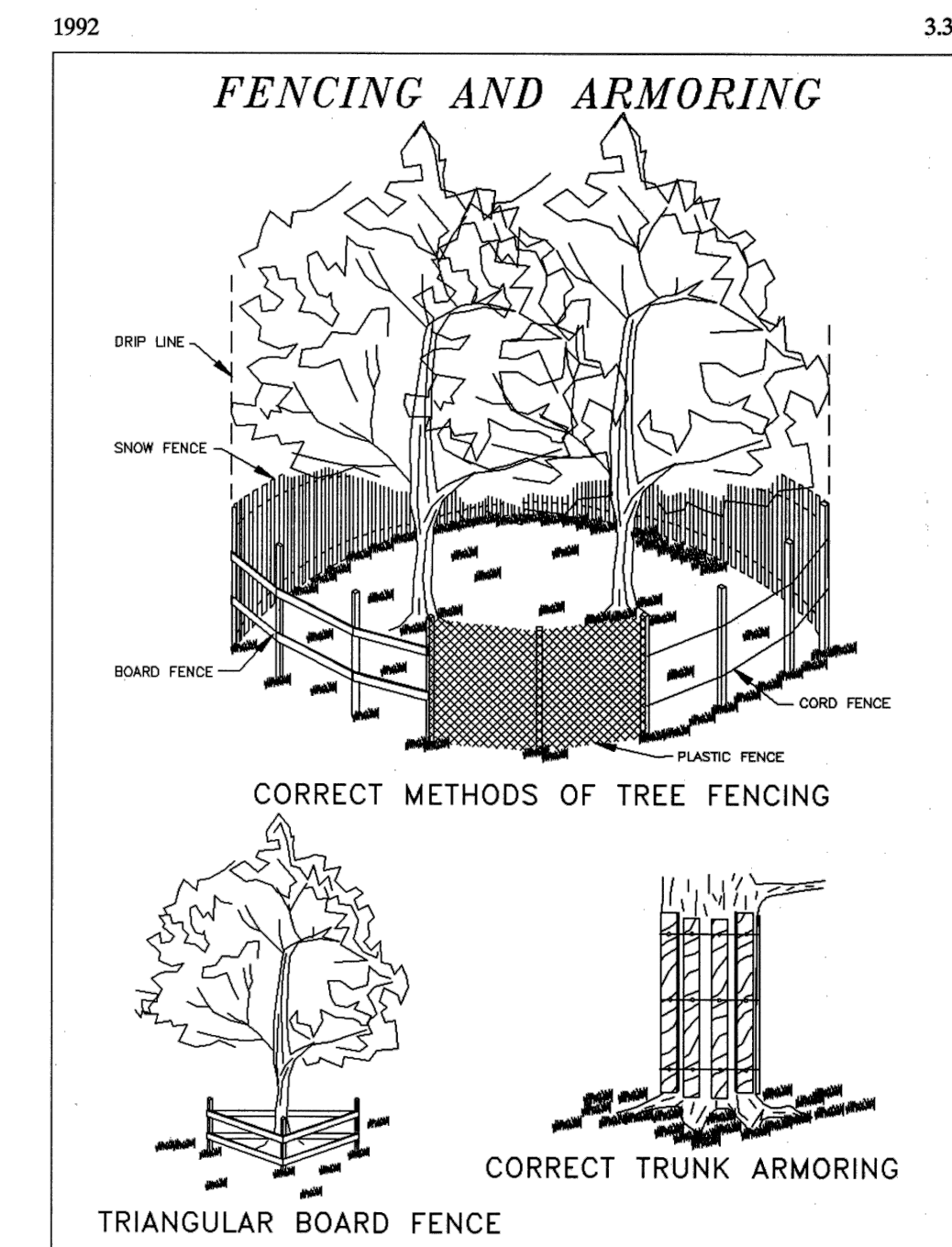
Source: Adapted from Installation of Straw and Fabric Filter Barriers for Sediment Control, Sherwood and Wyant Plate 3.05-2

III - 25



Source: 1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control, and USDA-SCS Plate 3.07-7

III - 43



Source: Va. DSWC Plate 3.38-2

III - 401

REVISIONS	

CLIENT INFORMATION
TOWN OF VIENNA, VA
 127 CENTER STREET SOUTH
 VIENNA, VA, 22180



BRANCH ROAD SE SIDEWALK IMPROVEMENTS

KEY PLAN

GRAPHIC SCALES

SIGNATURE



Tyler Long
 2023.03.27 09:30:36 -04'00'



Whitman, Reardon & Associates, LLP
 12700 Fair Lakes Circle, Suite 300, Fairfax, Virginia 22033

EROSION AND SEDIMENT CONTROL NARRATIVE AND DETAIL SHEET

SCALE: NONE	DATE: 01/30/2023	SHEET 6 OF 16
DES: TL	DRAWN: DA	CHECK: TL