

GENERAL NOTES

OWNER/ DEVELOPER:
TOWN OF VIENNA
DEPARTMENT OF PUBLIC WORKS
127 CENTER STREET, SOUTH
VIENNA, VA 22180

1. THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. IF DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHOULD ENCOUNTER UTILITIES OTHER THAN THOSE SHOWN ON THE PLANS, THEY SHOULD IMMEDIATELY NOTIFY THE ENGINEER AND TAKE NECESSARY AND PROPER STEPS TO PROTECT THE UTILITY AND ASSURE THE CONTINUANCE OF SERVICE. THE ENGINEER DOES NOT CERTIFY TO THE LOCATION OR EXISTENCE OF ANY UNDERGROUND UTILITY SHOWN ON THIS PLAN. THE CONTRACTOR SHALL CONTACT "MISS UTILITY" AT 811 PRIOR TO COMMENCEMENT OF ANY EXCAVATION.

2. TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED ON THE FIELD RUN SURVEY PERFORMED BY URBAN, LTD IN AUGUST, 2021. HORIZONTAL DATUM IS NAD1983 AND VERTICAL DATUM IS NAVD1988.

3. SUBSURFACE UTILITIES SHOWN PER MISS UTILITY MARK OUT FIELD LOCATION.

4. NO TITLE REPORT FURNISHED.

5. CLEARING AND GRADING SHALL BE IN ACCORDANCE WITH THE GRADING AND EROSION CONTROL PLANS AND STANDARDS SET FORTH BY THE VIRGINIA EROSION AND SEDIMENTATION CONTROL HANDBOOK. ALL LAND ON OR OFF-SITE WHICH IS DISTURBED BY THIS IMPROVEMENT AND WHICH IS NOT BEING BUILT UPON OR SURFACED SHALL BE ADEQUATELY STABILIZED TO CONTROL EROSION AND SEDIMENTATION.

6. THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF CLEANING TRUCKS AND/OR OTHER EQUIPMENT PRIOR TO ENTERING THE TOWN STREETS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN STREETS, ALLAY DUST AND TO TAKE WHATEVER MEASURES NECESSARY TO INSURE THAT THE ROAD IS MAINTAINED IN A CLEAN, MUD AND DUST FREE CONDITION AT ALL TIMES. SEE SILTATION AND EROSION CONTROL PLANS/NARRATIVE FOR ADDITIONAL INFORMATION.

7. THE CONTRACTOR SHALL PROTECT AND ADJUST, AS REQUIRED, ALL EXISTING MANHOLES AND VALVES WITHIN THE LIMITS OF DISTURBANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE THAT MAY OCCUR BY HIS FAILURE TO PROPERLY PROTECT THE EXISTING MANHOLES AND VALVES.

8. IF APPLICABLE, ANY UTILITIES AND UTILITY POLES TO BE BRACED DUE TO THIS IMPROVEMENT SHALL BE DONE AT THE EXPENSE OF THE CONTRACTOR PURSUANT TO THE TOWN'S PAY ITEM SCHEDULE. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND SCHEDULING ALL UTILITY WORK REQUIRED. THE TOWN WILL COORDINATE WITH DOMINION VIRGINIA POWER IN REGARDS TO RELOCATING ANY POLES DUE TO THIS IMPROVEMENT.

9. ALL STORM SEWER STRUCTURES AND PIPING WITHIN THE AREA OF CONSTRUCTION SHALL BE CLEANED OUT FOLLOWING THE COMPLETION OF CONSTRUCTION.

10. ANY DAMAGE TO EXISTING STREETS, PUBLIC UTILITIES OR PRIVATE UTILITIES, INCLUDING BUT NOT LIMITED TO, VALVE BOXES, WATER METER LIDS, FRAMES OR CROCKS AND WATER LATERALS, DUE TO THIS IMPROVEMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

11. ALL CONSTRUCTION DUE TO THIS IMPROVEMENT IS TO BE PERFORMED IN ACCORDANCE WITH THE STANDARDS SET FORTH BY THE STATE OF VIRGINIA AND THE TOWN OF VIENNA.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE TOWN AND THE ENGINEER/SURVEYOR OF ANY CHANGES OR CONDITIONS ATTACHED TO PERMITS OBTAINED FROM TOWN OF VIENNA, OR ANY OTHER AUTHORITY ISSUING PERMITS.

13. A SMOOTH GRADE SHALL BE MAINTAINED FROM CENTERLINE TO THE CURB AND GUTTER TO PRECLUDE THE FORMING OF FALSE GUTTERS AND/OR PONDING OF WATER ON ANY ROAD OR PARKING AREA.

14. PLANS MAY NOT INCLUDE MINOR SITE FEATURES SUCH AS MAILBOXES, PRIVATE LIGHTING FIXTURES, SIGNS, ETC. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM A PRE-CONSTRUCTION SURVEY OF THE PROPOSED STREETS TO LOCATE THESE PRIVATE FEATURES AND RELOCATE THEM AS NECESSARY.

15. THE CONTRACTOR SHALL INSPECT ALL EXISTING UTILITIES FOR NECESSARY REPAIRS PRIOR TO INITIATION OF CONSTRUCTION ACTIVITIES. IF ANY SUCH UTILITY REPAIRS ARE REQUIRED, THE CONTRACTOR WILL COORDINATE THESE REPAIRS WITH THE TOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING OR PROPOSED UTILITIES THAT OCCURS DURING CONSTRUCTION ACTIVITIES. DAMAGED UTILITIES SHALL BE REPAIRED IN A TIMELY FASHION TO LIMIT THE INTERRUPTION OF SERVICE TO THE AFFECTED RESIDENTS.

16. THE CONTRACTOR SHALL NOTIFY THE TOWN AND ENGINEER OF ANY DISCREPANCIES BETWEEN EXISTING FIELD CONDITIONS AND THOSE SHOWN ON THE CONTRACT DOCUMENTS THAT IMPACT PROPOSED CONSTRUCTION ACTIVITIES.

17. ALL CONCRETE AND PAVEMENT DEMOLITION/REMOVAL SHALL EMPLOY SAW CUT JOINTS.

18. ROOT PRUNING SHALL BE TO THE DEPTH OF EXCAVATION, OR 24 INCHES, WHICHEVER IS LESS. A TRENCHER OR VIBRATORY PLOW SHALL BE USED TO PRUNE ALL ROOTS. ROOTS OVER ONE AND ONE-HALF INCHES (1.5") IN DIAMETER SHALL BE CLEANLY CUT BY HAND.

19. A ROOT BIOSTIMULANT SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS TO ALL TREES THAT ARE ROOT PRUNED.

20. CONCRETE PIPE TO BE CLASS III UNLESS OTHERWISE SPECIFIED.

21. SIGHT DISTANCE TO BE MAINTAINED BY CONTRACTOR DURING CONSTRUCTION.

22. THE CONTRACTOR SHALL PROVIDE A SMOOTH GRADE FROM THE LIMITS OF DISTURBANCE TO THE BACK OF SIDEWALK.

23. VDOT STD. IS-1, INLET SHAPING, TO BE UTILIZED ON ALL PROPOSED OR MODIFIED EXISTING STORM STRUCTURES.

24. AIR QUALITY PERMIT NOT REQUIRED PER STATE AIR POLLUTION CONTROL BOARD REGULATION ACOR VII, SECTION 2.706 (G)(2)(1).

25. ALL FINISHED GRADING, SEEDING, SODDING OR PAVING SHALL BE DONE IN SUCH A MANNER TO PRECLUDE THE PONDING OF WATER ON THE SITE.

26. THE CONTRACTOR SHALL INSURE THAT ALL CONSTRUCTION CONFORMS WITH CURRENT FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS, INCLUDING FEDERAL REGULATIONS CONTAINED WITHIN "THE AMERICANS WITH DISABILITIES ACT," ENACTED ON JULY 26, 1990 (AKA "ADA").

27. ALL EARTHWORK OPERATIONS SHALL CONFORM TO THE GEOTECHNICAL NOTES AND DETAILS IF PROVIDED.

28. PRIOR TO ANY LAND DISTURBANCE ACTIVITY WITHIN THE AREA OF WASHINGTON GAS, AND F.C.W.A. MAJOR TRANSMISSION LINES, THE CONTRACTOR MUST NOTIFY THESE UTILITY COMPANIES IN ADVANCE TO ASSURE THEY CAN INSPECT AND APPROVE THE CONSTRUCTION ACTIVITY.

29. NO VISIBLE EVIDENCE OF ANY PLACE OF BURIAL OR HISTORIC SITE WAS ENCOUNTERED ON THE PROPERTY BY THIS FIRM. IF ANY GRAVE YARD OR HISTORIC SITE IS ENCOUNTERED DURING CONSTRUCTION THE CONTRACTOR SHALL CEASE WORK IN THE AREA IMMEDIATELY AND NOTIFY THE OWNER AND ENGINEER.

30. ALL CONSTRUCTION INVOLVING PROBLEM SOIL MUST BE PERFORMED UNDER THE FULL-TIME INSPECTION OF THE GEOTECHNICAL ENGINEER.

31. THE GEOTECHNICAL ENGINEER SHALL FURNISH A WRITTEN OPINION TO THE TOWN AS TO WHETHER OR NOT WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPROVED PLANS PRIOR TO THE ISSUANCE OF ANY OCCUPANCY OR USE PERMIT.

32. ALL CLEARING, GRADING AND ACTUAL CONSTRUCTION ACTIVITY SHALL BE LIMITED TO BETWEEN THE HOURS OF 7:00 A.M. AND 6:00 P.M., MONDAY THROUGH FRIDAY, AND BETWEEN 8:00 A.M. AND 6:00 P.M. SATURDAY. CONSTRUCTION ACTIVITY ON SUNDAY SHALL BE PROHIBITED. CONTRACTOR SHALL CONFIRM HOURS WITH TOWN OF VIENNA PRIOR TO CONSTRUCTION AND ADJUSTMENTS MAY BE MADE DUE TO CLOSE PROXIMITY OF A NEARBY SCHOOL.

TOWN OF VIENNA NOTES

1. NOTIFY THE TOWN OF VIENNA DEPARTMENT OF PUBLIC WORKS AT 703-255-6380 WHEN WORK IS TO BE STARTED.

2. ALL CONTRACTOR GENERATED DEBRIS MUST BE HAULED AWAY BY THE CONTRACTOR OR OWNER.

3. ALL RUNOFF MUST SHEET FLOW ACROSS PROPERTY LINES UNLESS APPROVED OTHERWISE BY THE DIRECTOR OF PUBLIC WORKS.

4. ALL PRIVATE STORM DRAINS (I.E. ROOF DRAINS, SUMP PUMP ETC.) MUST DAYLIGHT AT A MINIMUM OF 10 FEET FROM A PROPERTY LINE.

5. PRIOR TO THE REMOVAL OF ANY TREES, THE APPLICANT OR THEIR REPRESENTATIVE SHALL CONTACT THE TOWN OF VIENNA ARBORIST AT 703-255-6360 TO COORDINATE HAVING THE TOWN ARBORIST ONSITE DURING ALL TREE REMOVAL.

6. TREE PROTECTION FOR ANY TREE, AS SHOWN ON PLAN, MUST BE INSTALLED PRIOR TO ANY SITE WORK.

ROAD CONSTRUCTION NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO CURRENT TOWN OF VIENNA AND VDOT STANDARDS AND SPECIFICATIONS.

2. THE LOCATIONS OF EXISTING UTILITIES ON THESE DRAWINGS ARE GENERALLY APPROXIMATE. IT IS THE CONTRACTOR WHO IS RESPONSIBLE TO ENSURE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES IN THE AREA OF CONSTRUCTION PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER AND URBAN ENGINEERING & ASSOC. OF ANY POTENTIAL CONFLICTS PRIOR TO COMMENCING CONSTRUCTION.

3. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE SITE AND MAKE ALL INSPECTIONS NECESSARY IN ORDER TO DETERMINE THE FULL EXTENT OF WORK REQUIRED TO MAKE THE COMPLETED WORK CONFORM TO THE DRAWINGS AND SPECIFICATIONS.

4. WHERE CONFLICTS REQUIRE RELOCATION OF EXISTING UTILITIES (E.G. AT&T, MCI, C&P, VEPCO, MEDIA GENERAL) UTILITY COMPANIES SHALL BE NOTIFIED.

5. ALL EXISTING SIGNS, FENCES, ETC. DISTURBED BY THIS CONSTRUCTION SHALL BE RELOCATED BY THE CONTRACTOR AS NECESSARY PER TOWN OF VIENNA REQUIREMENTS.

6. ALL EXISTING TOWN OF VIENNA TRAFFIC CONTROL EQUIPMENT WILL BE RELOCATED BY THE CONTRACTOR AS NECESSARY PER VDOT REQUIREMENTS.

7. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING ROADS AND UTILITIES WHICH OCCUR AS A RESULT OF PROJECT CONSTRUCTION WITHIN OR CONTIGUOUS TO THE SITE.

8. ANY EXISTING C&G AND PAVEMENT TO REMAIN THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED/REPAIRED TO TOWN OF VIENNA SATISFACTION. C&G TO BE SAW CUT, OTHERWISE REMOVE TO THE NEAREST JOINT.

9. THE CONTRACTOR SHALL CONTACT MISS UTILITY COMPANY REPRESENTATIVE, REVIEW TEST PIT DATA AND ANY OTHER OPERATIONS AVAILABLE TO ENSURE ALL EXISTING UTILITIES IN THE AREA OF CONSTRUCTION ARE SHOWN ON THE PLANS PRIOR TO CONSTRUCTION.

10. WHERE MANHOLES ARE TO BE PLACED IN THE ROAD R/W, THE TOPS SHALL BE OFFSET TO ASSURE THAT THEY AREA POSITIONED TO MINIMIZE IMPACT TO VEHICULAR WHEEL PATHS.

11. THE APPROVAL OF THESE PLANS SHALL IN NO WAY RELIEVE THE OWNER OF COMPLYING WITH OTHER APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS.

12. ALL FILL MATERIAL REQUIRED TO RAISE GRADES AND UNDER SLABS, WHICH MAY CONSIST OF APPROVED ONSITE SOILS AND/OR OFFSITE BORROW MATERIAL, SHALL BE FREE OF ALL DEBRIS, ORGANIC MATERIAL, AND CLUMPS AND SHALL BE ADJUSTED TO THE PROPER MOISTURE CONTENT BEFORE BEING COMPACTED IN 8" MAXIMUM LAYERS. EACH LAYER TO BE COMPACTED TO 95% DENSITY MODIFIED PROCTOR PER ASTM D1557. BASE AND SUBBASE MATERIAL SHALL BE COMPACTED TO THE REQUIREMENTS OF SECTIONS 308.03, 309.04, AND 309.05 OF VDOT SPECIFICATIONS. SUBGRADE COMPACTION SHALL BE IN ACCORDANCE WITH SECTION 305.03.

13. STANDARD UD-2, UD-3, & UD-4 TO BE UTILIZED IN CONSTRUCTION WITH STANDARD PIPE UNDER DRAIN. UD-2, UD-3, & UD-4 TO BE INSTALLED IN ACCORDANCE WITH VDOT SECTION 108.02, 108.03, AND 108.05.

14. STANDARD GUARDRAILS AND/OR HANDRAILS SHALL BE INSTALLED AT HAZARDOUS LOCATIONS AS DESIGNATED DURING FIELD REVIEW BY THE TOWN OF VIENNA INSPECTOR.

15. THE CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL. IF REQUIRED, THE DEVELOPER SHALL SUBMIT A SIGNING, STRIPING AND/OR SIGNALIZATION PLAN TO THE VDOT LAND DEVELOPMENT SECTION A MINIMUM OF 30 DAYS PRIOR TO PERMIT APPLICATION. THE DEVELOPER SHALL NOT COMMENCE CONSTRUCTION OF ANY PAVEMENT COURSE WITHOUT AN APPROVED STRIPING PLAN.

16. A 4" (MIN.) LAYER OF STONE IS REQUIRED BENEATH CURB AND GUTTER.

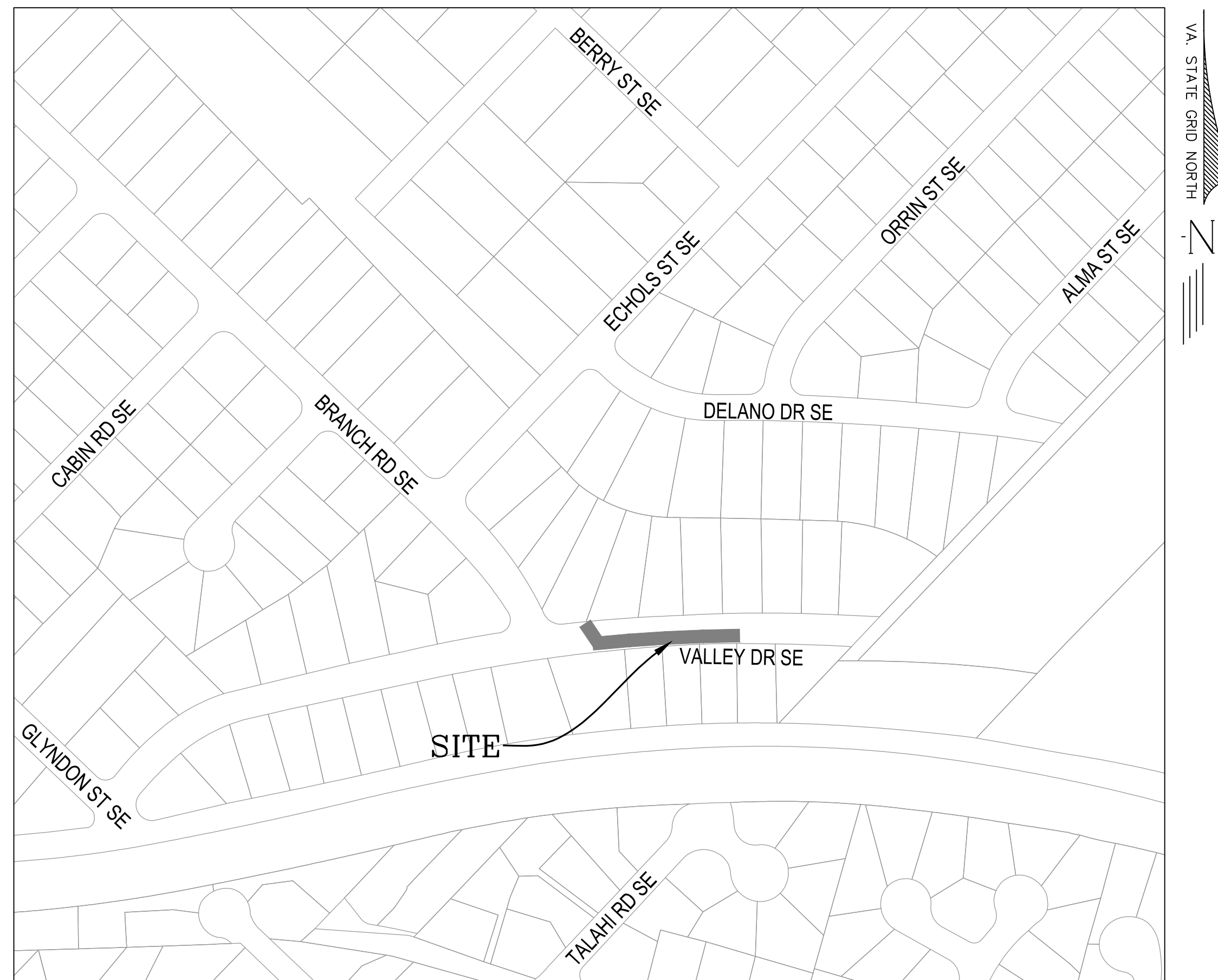
17. ADDITIONAL DITCH LININGS OR SILTATION AND EROSION CONTROL MEASURES SHALL BE PROVIDED, AS DETERMINED NECESSARY BY THE TOWN DURING FIELD REVIEW. ALL COSTS SHALL BE ASSUMED BY THE CONTRACTOR.

18. OVERLAY OF EXISTING PAVEMENT SHALL BE MINIMUM OF 1.25" DEPTH, ANY COSTS ASSOCIATED WITH PAVEMENT OVERLAY, OR THE MILLING OF EXISTING PAVEMENT TO OBTAIN REQUIRED DEPTH, SHALL BE ASSUMED BY THE CONTRACTOR.

TOWN OF VIENNA DEPARTMENT OF PUBLIC WORKS FAIRFAX COUNTY, VIRGINIA

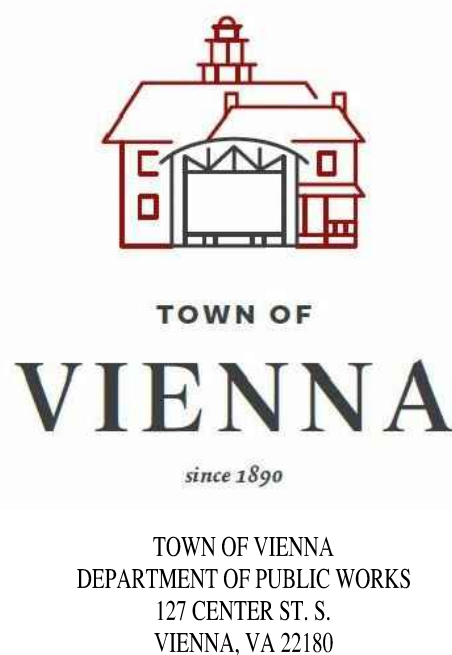
VALLEY DRIVE SE DRAINAGE IMPROVEMENT PLAN

95% DESIGN CONSTRUCTION DRAWINGS



VICINITY MAP
SCALE : 1" = 200'

OWNER/DEVELOPER:



SURVEY NOTES

TOPOGRAPHICAL SURVEY PERFORMED BY FIELD RUN SURVEY BY URBAN, LTD PERFORMED IN OCTOBER, 2021.

VERTICAL
NOTE: ELEVATIONS SHOWN HEREON ARE BASED ON STATIC GPS OBSERVATIONS AS PROCESSED BY THE NATIONAL GEODETIC SURVEY, ONLINE POSITIONING USER SERVICE (OPUS), AND ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM (NAV) OF 1988.

HORIZONTAL
NOTE: BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON STATIC GPS OBSERVATIONS AS PROCESSED BY THE NATIONAL GEODETIC SURVEY, ONLINE POSITIONING USER SERVICE (OPUS), AND ARE REFERENCED TO VIRGINIA STATE GRID NORTH ZONE NAD 83 - US SURVEY FOOT.

UTILITIES
UNDERGROUND UTILITIES WERE PAINTED BY UTILITIES SEARCH, INC. AND MAPPED INTO THE BASE BY URBAN, LTD.

SHEET INDEX

- COVER SHEET
- NOTES AND DETAILS
- EXISTING CONDITIONS AND DEMOLITION PLAN
- SITE PLAN
- STORM DIVIDES
- STORM PROFILES & COMPUTATIONS
- PAVEMENT IMPROVEMENT PLAN
- EROSION AND SEDIMENT CONTROL PLAN PH I & PH II
- EROSION AND SEDIMENT CONTROL NARRATIVE AND DETAILS

NOTICE REQUIRED

CONTRACTORS SHALL NOTIFY OPERATORS WHO MAINTAIN UNDERGROUND UTILITY LINES IN THE AREA OF PROPOSED EXCAVATION OR BLASTING AT LEAST TWO WORKING DAYS, BUT NOT MORE THAN TEN WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION OR DEMOLITION.

**CONTACT "MISS UTILITY" AT
1-800-552-7001
FOR THESE UTILITIES**

VIRGINIA ELECTRIC & POWER CO.	COLONIAL PIPELINE CO.
A.T. & T. CO.	FAIRFAX CO. WATER AUTHORITY
COLUMBIA GAS TRANSMISSION CO.	WASHINGTON GAS LIGHT CO.
FAIRFAX CO. SAN. SEWER DIV.	PRINCE WILLIAM ELEC. CO-OP.
TRANSCO GAS PIPELINE CO.	PLANTATION PIPELINE CO.
COLUMBIA GAS OF VIRGINIA	C & P TELEPHONE CO.
CONTINENTAL TELEPHONE OF VIRGINIA	

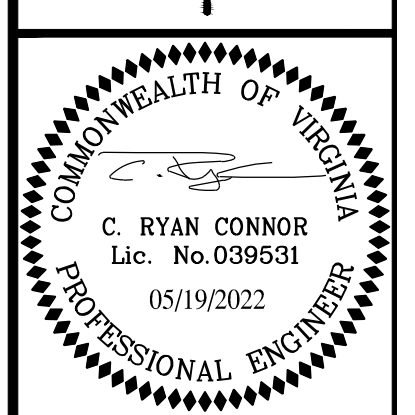
CONTACT THESE UTILITIES

TRI-COUNTY ELEC. CO-OP 1-777-2151	LOUDDON WATER 571-291-7880
FALLS CHURCH WATER SER. 1-241-5078	FAIRFAX CITY WATER SER. 385-7916

**EMERGENCY DIAL 911
POLICE - FIRE - RESCUE**
777-1021 777-2222

PLAN DATE	DATE	DESCRIPTION	REV/ BY	APPROVED	DATE
04-14-2022	05-19-2022				

Urban Ltd
7120 Little Blue Turnpike
Annandale, Virginia 22003
Tel. 703.642.8080
Fax. 703.642.8251
www.urban-llc.com

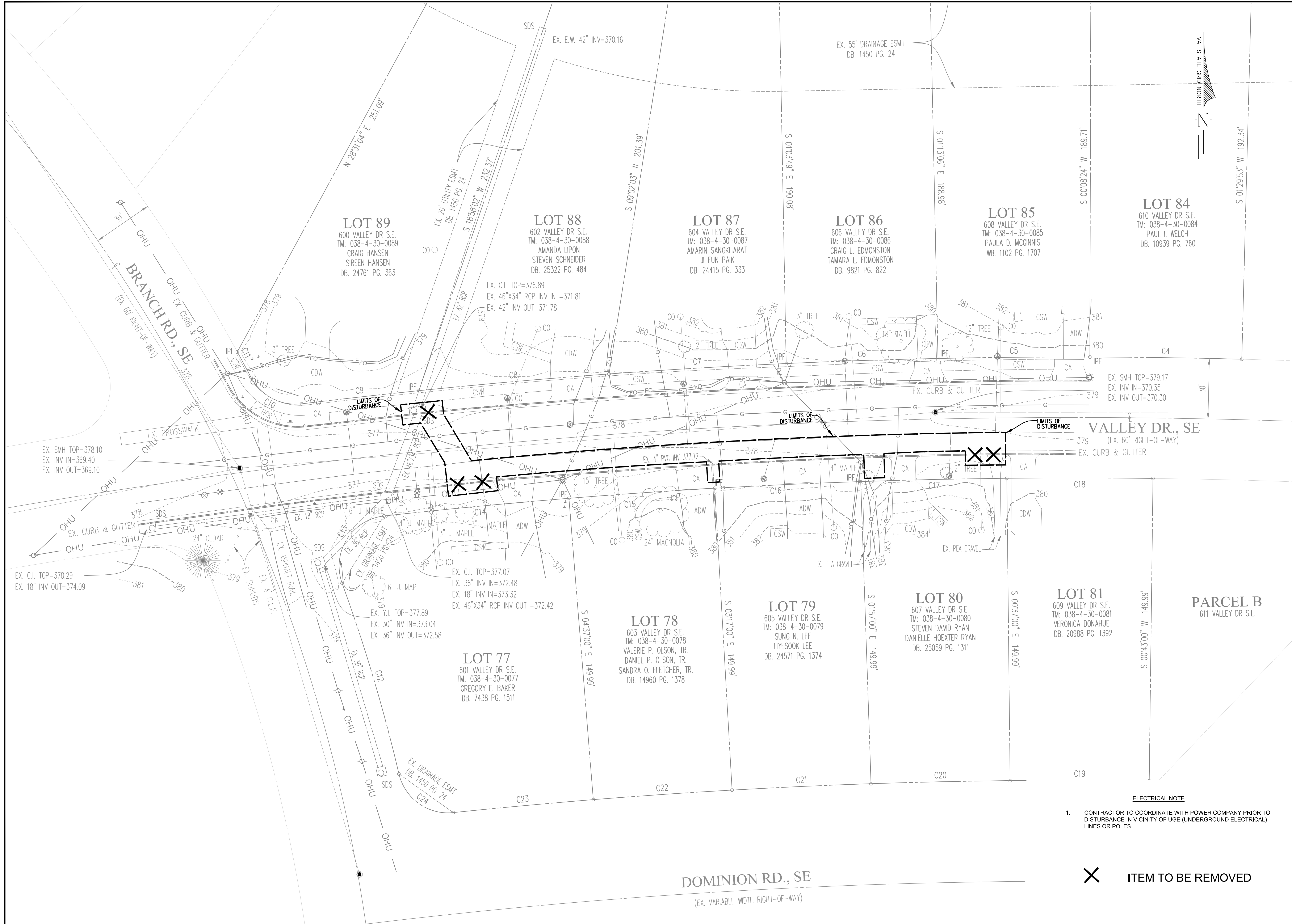


COVER SHEET
VIENNA DRAINAGE IMPROVEMENTS
VALLEY DRIVE SE
TOWN OF VIENNA
FAIRFAX COUNTY, VIRGINIA

SCALE: AS NOTED
DATE: APRIL, 2022
C.I. N/A

SHEET
1
OF
9

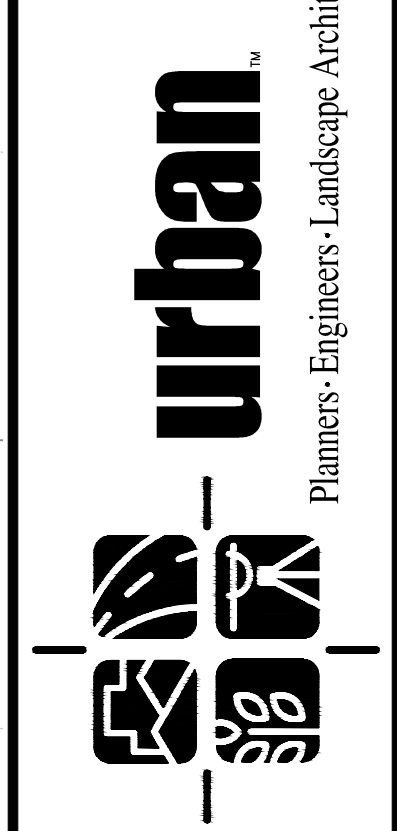
FILE No.
PP-2553



NO.	DATE	DESCRIPTION	REVIEWER	DATE

PLAN DATE
04-14-2022
05-19-2022

Urban Ltd
7110 Lakeshore Turnpike
Arlington, Virginia 22203
Tel: 703.642.8080
Fax: 703.642.8251
www.urban-llc.com



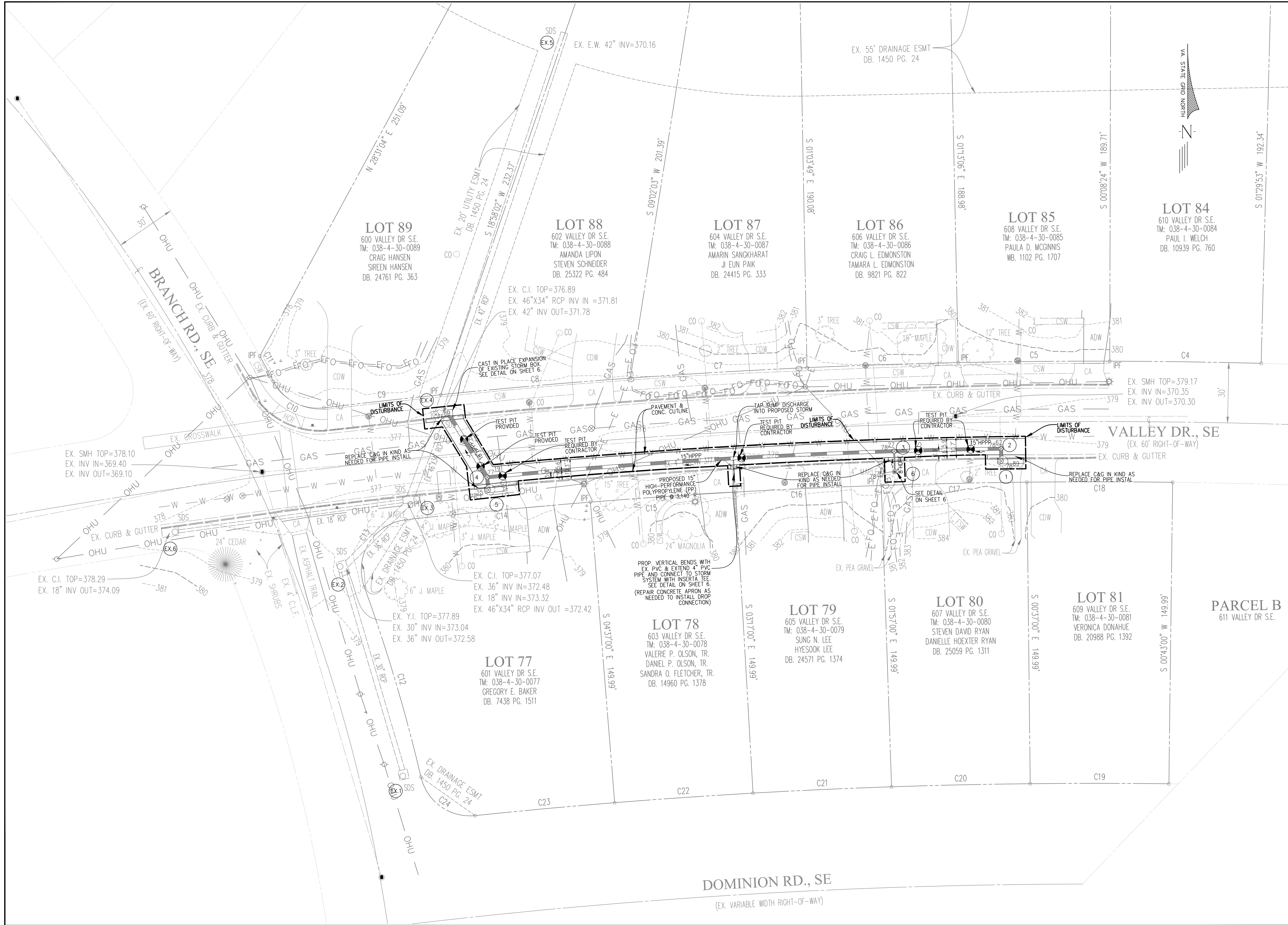
EXISTING CONDITIONS AND DEMOLITION PLAN
VIENNA DRAINAGE IMPROVEMENTS
VALLEY DRIVE SE
TOWN OF VIENNA
FAIRFAX COUNTY, VIRGINIA

DATE: APRIL, 2022
SCALE: 1"=20'
C.I. 1'

SHEET
3
OF
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FILE No.
PP-2553

1. CONTRACTOR TO COORDINATE WITH POWER COMPANY PRIOR TO DISTURBANCE IN VICINITY OF UGE (UNDERGROUND ELECTRICAL) LINES OR POLES.

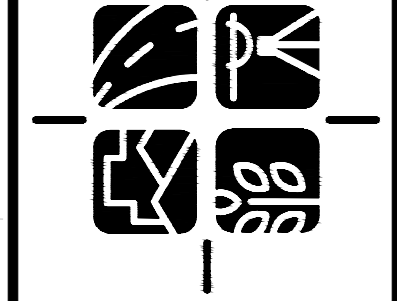
X ITEM TO BE REMOVED



NO.	DATE	DESCRIPTION	REVIEW APPROVED	DATE

PLAN DATE
 04-14-2022
 05-19-2022

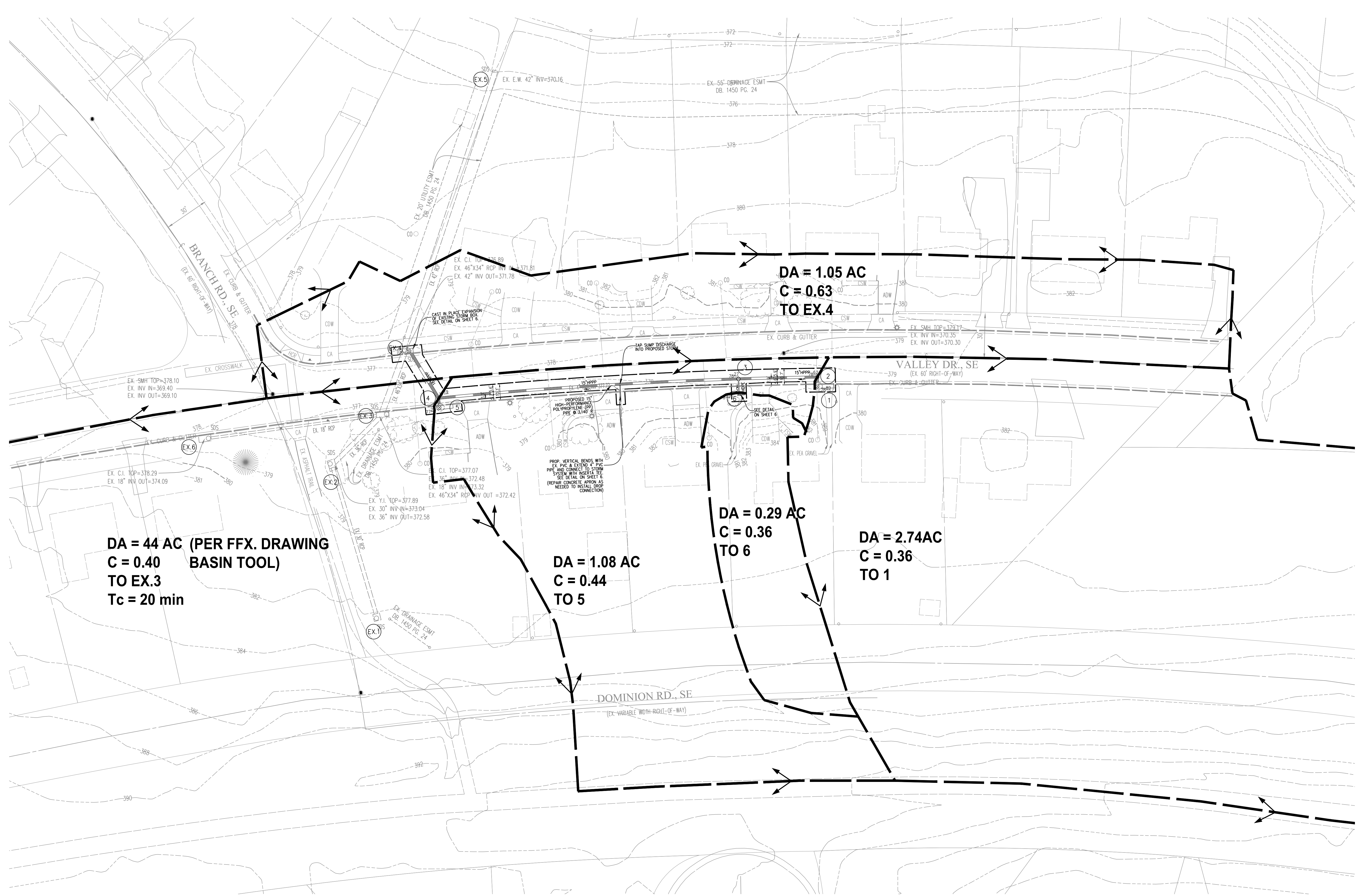
Urban Ltd
 7110 Little River Turnpike
 Annandale, Virginia 22003
 Tel. 703.642.8080
 Fax. 703.642.8251
 www.urban-llc.com



COMMONWEALTH OF VIRGINIA
 C. RYAN CONNOR
 Lic. No. 039631
 05/19/2022
 PROFESSIONAL ENGINEER

SITE PLAN
 VIENNA DRAINAGE IMPROVEMENTS
 VALLEY DRIVE SE
 TOWN OF VIENNA
 FAIRFAX COUNTY, VIRGINIA
 SCALE: 1"=20'
 DATE: APRIL, 2022
 C.I. 1'

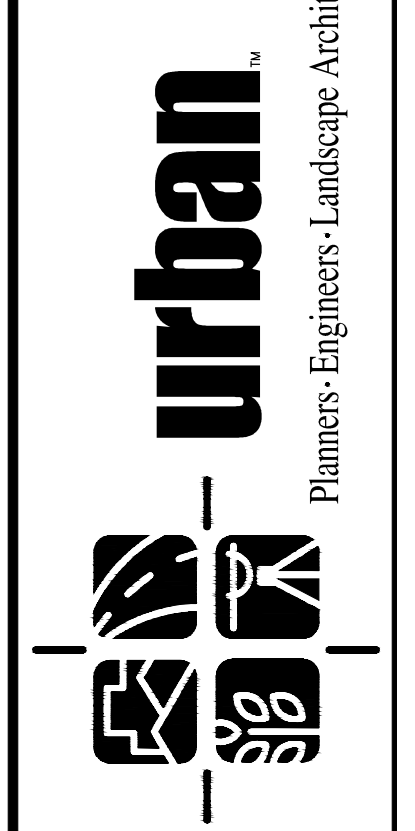
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 OF
 9
 FILE No.
 PP-2553



No.	DATE	DESCRIPTION	REV. BY	APPROVED	DATE

PLAN DATE
04-14-2022
05-19-2022

Urban Ltd
7112
Amanda, Virginia 23003
Tel. 703.642.8080
Fax. 703.642.8251
www.urban-ld.com



STORM DIVIDES
VIENNA DRAINAGE IMPROVEMENTS
VALLEY DRIVE SE
TOWN OF VIENNA
FAIRFAX COUNTY, VIRGINIA

SCALE: 1" = 30'
DATE: APRIL, 2022
C.I. 1' & 2'

SHEET
5
OF
9
FILE No.
PP-2553

INLET COMPUTATIONS

Inlet ID	Inlet Type	Length	Drainage Area	C	CA	I	Q Incr.	Q Carryover	Q Captured	Q Bypass	Gutter Slope	Cross Slope, Sx	T (Grade) Spread	T (Sump) Spread	W	Sw	d	E	h	Grate Area	10yr WSEL
		(ft)	(ac)	(C)		(in/hr)	(cfs)	(cfs)	(cfs)	(cfs)	(ft/ft)	(ft/ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft)	(%)	(in)	(sqft)	
EX.4	Curb	12	1.05	0.63	0.66	5.9	74.3	0	74.3	0	Sag	0.02		150.47	1.5	0.083	3.23	100	5.5		
4	MH-1	0	0	0	0	0	0														
3	MH-1	0	0	0	0	0	0														
2	MH-1	0	0	0	0	0	0														
1	DI-3B	12	2.74	0.36	0.99	5.67	5.59	0	4.56	1.03	0.01	0.02	12.48		1.5	0.083	0.47	82	5.5		
5	DI-3B	12	1.08	0.44	0.48	5.67	2.69	1.03	3.47	0.25	0.01	0.02	10.56		1.5	0.083	0.43	93	5.5		
6	ACO CB	0	0.29	0.36	0.1	5.67	0.59	0	0.59	0	Sag	0.05	5.13		1.5	0.054	0.08	100	4		378.83

STORM PIPE COMPUTATIONS

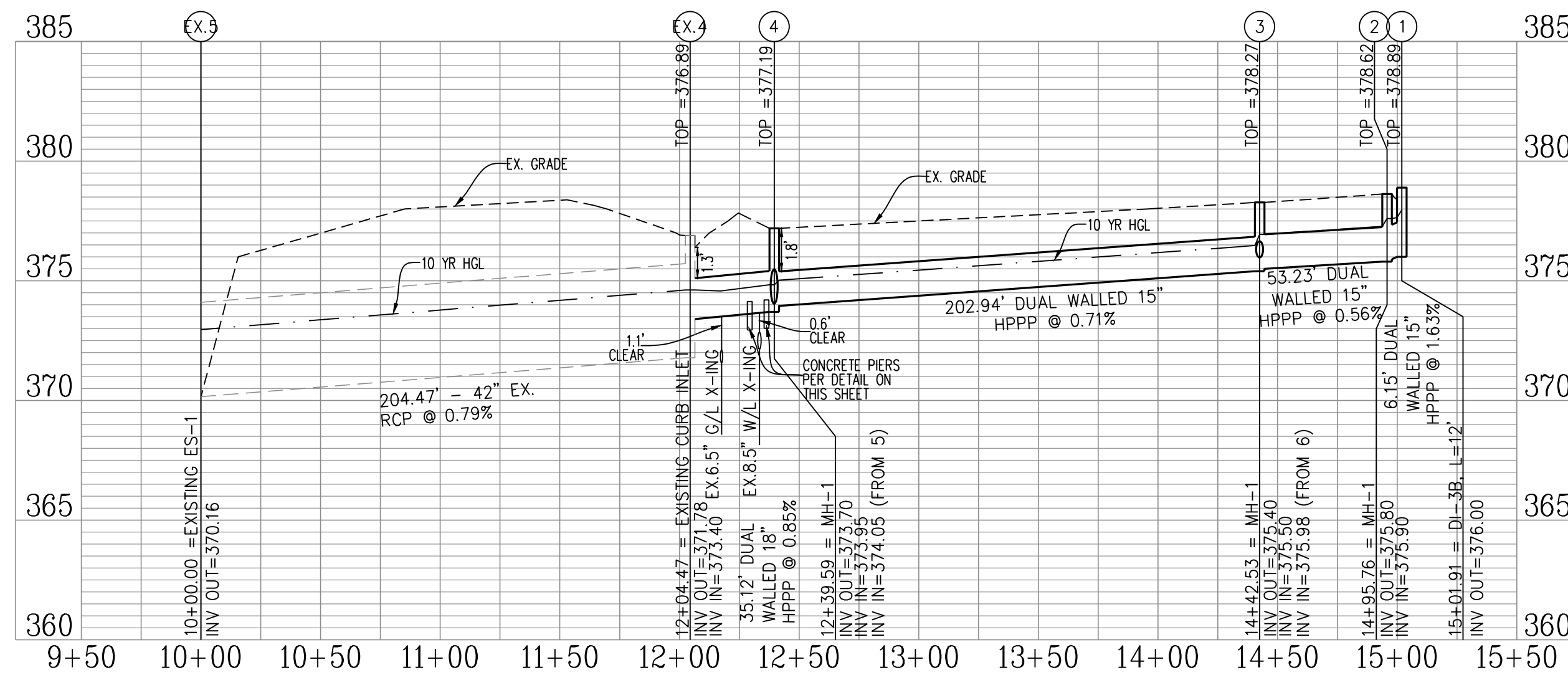
LineID	Drainage Area	Runoff Coeff	Incr CxA	Total CxA	Inlet Time	Tc	Rainfall Intensity	Known Q	Runoff Q	InvertUp	InvertDn	Length	Slope	Diameter	Capacity	Actual Flow Velocity	Full Flow Vel
	(ac)	(C)		(min)	(min)	(in/hr)	(cfs)	(cfs)	(ft)	(ft)	(ft)	(ft)	(%)	(in)	(cfs)	(ft/s)	(ft/s)
EX.4 - EX.5	1.05	0.63	0.66	2.23	8	10	5.45	70.4	82.53	371.78	370.16	204.47	0.79	42	89.55	9.95	9.31
4 - EX.4	0	0	0	1.57	0	9.9	5.47	0	8.57	373.7	373.4	35.12	0.85	18	10.51	5.79	5.95
3 - 4	0	0	0	1.09	0	9.2	5.62	0	6.13	375.4	373.95	202.94	0.71	15	5.91	5.48	4.82
2 - 3	0	0	0	0.99	0	9	5.66	0	5.58	375.8	375.5	53.23	0.56	15	5.25	4.55	4.28
1 - 2	2.74	0.36	0.99	0.99	9	9	5.67	0	5.59	376	375.9	6.15	1.63	15	8.92	4.55	7.27
5 - 4	1.08	0.44	0.48	0.48	9	9	5.67	0	2.69	374.1	374.05	6.346	0.8	15	6.24	3.72	5.08
6 - 3	0.29	0.36	0.1	0.1	9	9	5.67	0	0.59	376.1	375.98	10.28	1.14	8	1.39	1.69	3.98

HGL COMPUTATIONS

InletID	Outlet WSE	Do	Qo	Lo	Sfo	Vo	Qi	Vi	Hi	Angle	Minor Loss	Final H	HGL Jct	Inlet WSE	Rim Elev
	(ft)	(in)	(cfs)	(ft)	(%)	(ft)	(cfs)	(ft/s)	(ft)	(Deg)	(ft)	(ft)	(ft)	(ft)	(ft)
EX.4	372.96	42.00	82.53	204.47	0.00	1.52	74.30	9.90	1.52	108.34	n/a	2.83	374.61	374.61	376.89
4	374.61	18.00	8.57	35.12	0.00	0.56	0.00	5.99	0.56	-49.64	n/a	1.13	374.83	374.83	377.19
3	375.02	15.00	6.13	202.94	0.71	0.47	0.00	5.48	0.47	-60.55	0.47	1.54	376.94	376.47	378.27
2	376.94	15.00	5.58	53.23	0.64	0.32	0.00	4.55	0.32	0.00	0.32	1.80	377.60	377.28	378.62
1	377.6	15.00	5.59	6.15	0.64	0.32	5.59	4.55	0.32	90.49	0.32	1.96	377.96	377.64	378.89
5	374.83	15.00	2.69	6.35	0.00	0.26	2.69	4.11	0.26	25.76	n/a	0.66	374.76	374.76	377.25
6	376.94	8.00	0.59	10.28	0.20	0.04	0.59	1.69	0.04	91.85	0.04	0.90	377.00	376.96	378.75

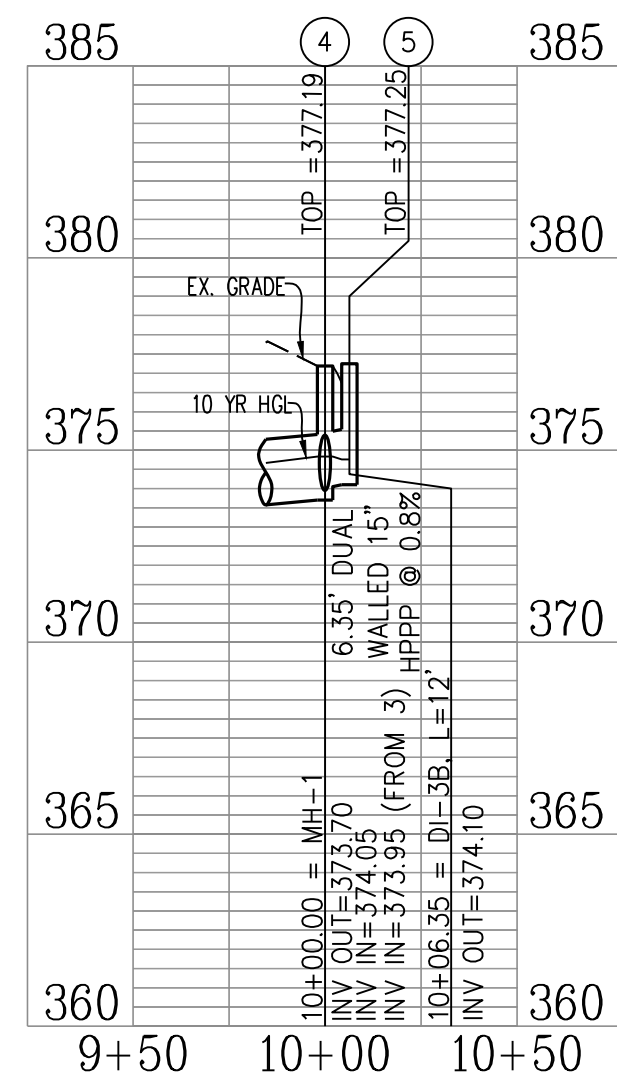
STORM PROFILE

SCALE: H: 1"=50' V: 1"=5'



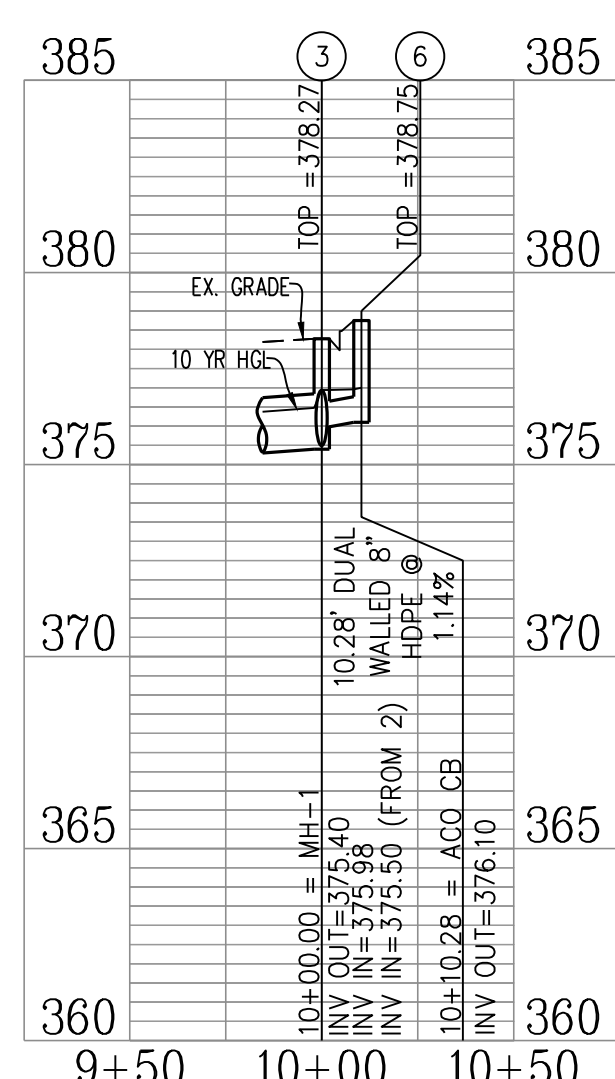
STORM PROFILE

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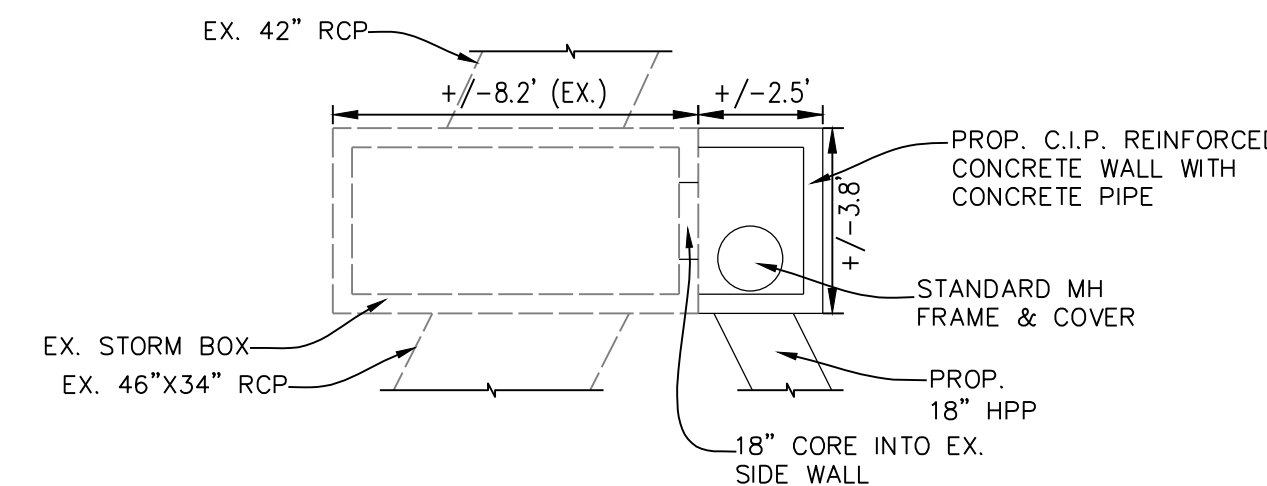
STORM PROFILE

SCALE: H: 1"=50' V: 1"=5'



EXISTING STRUCTURE 4 EXPANSION DETAIL

NOT TO SCALE

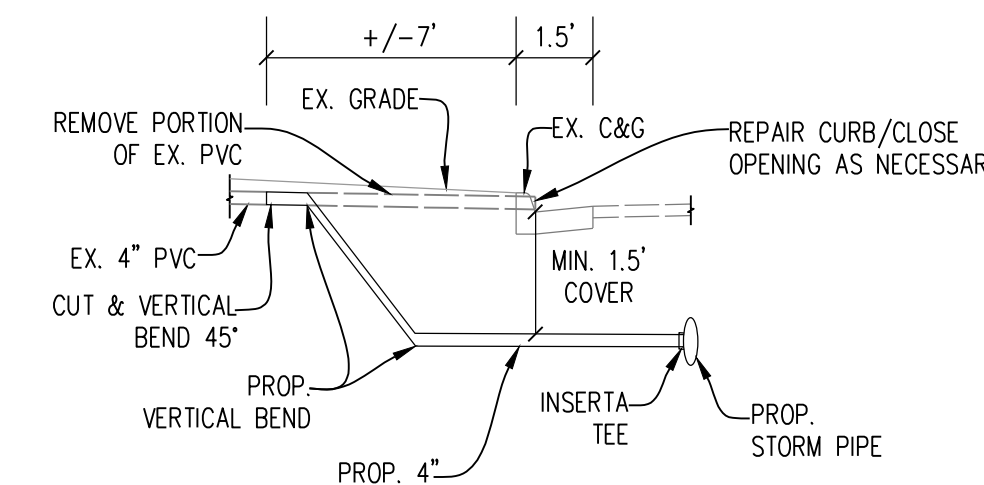


NOTE:

- ALL DIMENSIONS APPROXIMATE TO BE FIELD VERIFIED & ADJUSTED TO ACTUAL CONDITIONS.
- CONTRACTOR TO FURNISH SHOP DRAWINGS CERTIFIED BY STRUCTURAL ENGINEER OR USE VDOT STANDARDS.

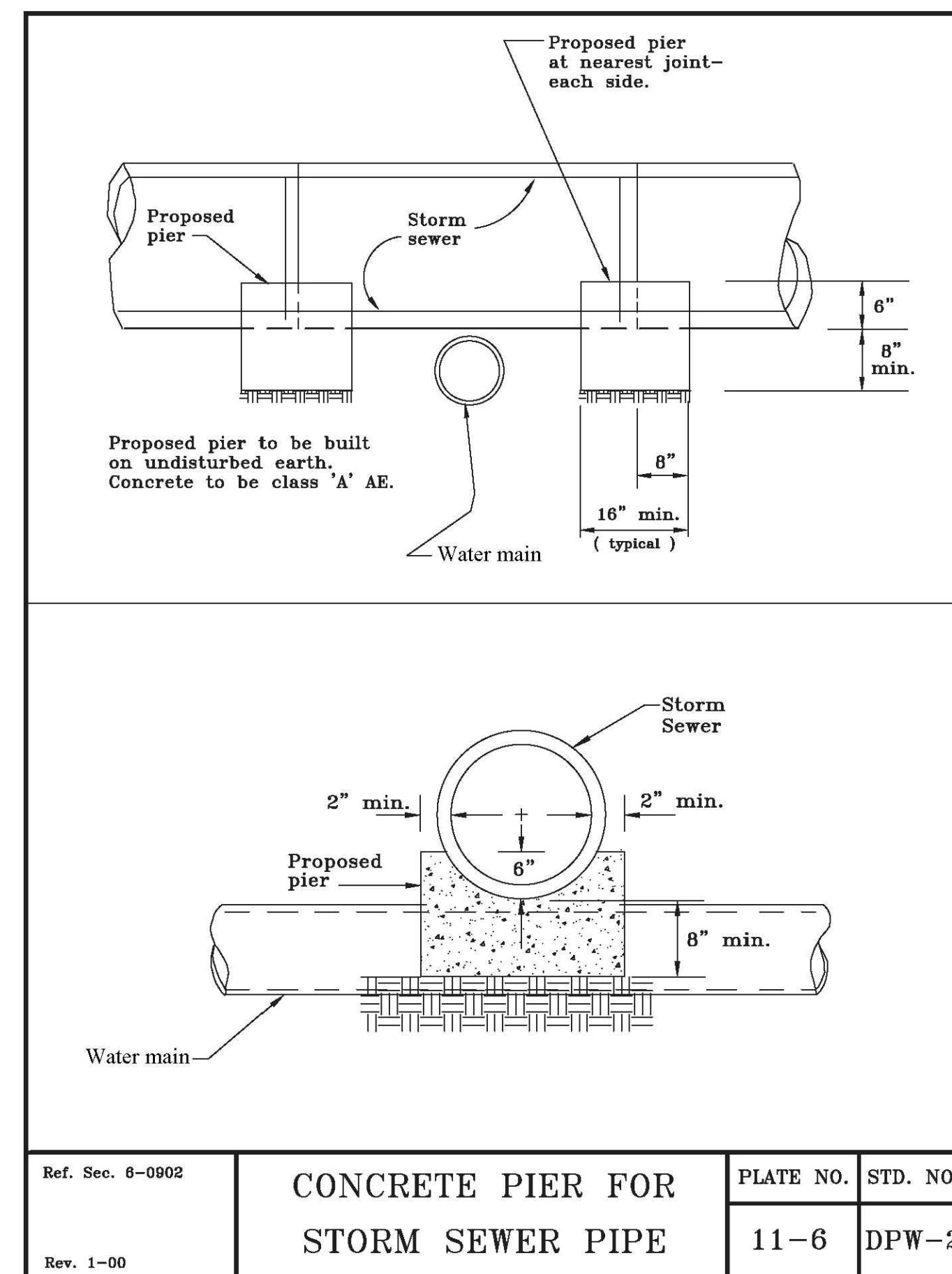
TYPICAL CURB DRAIN DROP CONNECTION DETAIL

NOT TO SCALE



NOTE:

CONTRACTOR TO LOCATE TO AVOID ANY DRY UTILITIES.



Ref. Sec. 0-9002	CONCRETE PIER FOR STORM SEWER PIPE	PLATE NO.	STD. NO.
Rev. 1-00		11-6	DPW-26

ACO DRAIN

2x2 Polyester polymer concrete catch basin

Description	Part No.	Inches	Invert Depth	Weight
2x2 Catch Basin - Polyester polymer concrete	05719	25.63	651	190.0
Grey iron frame & slot grate	05720			243.5

- Part I - General**
- 1.1 Related Work** - Work specified in other sections includes but is not limited to: Excavation and backfill, cast-in-place concrete, and mechanical equipment.
 - 1.2 System Description** - 2 x 2 Catch basin manufactured from polyester polymer concrete, complete with gray iron slotted grate.
 - 1.3 Submittals** - Manufacturer will submit, when required, shop drawings showing schematic plan of total drainage system listing all parts being provided with exact centerline dimensions suitable for installation. Copies of the manufacturer's recommended method of installation shall be submitted for review.
 - 1.4 Project History** - Manufacturer shall submit a list of installed projects, if required.
 - 1.5 Warranty** - ACO provides a limited product warranty of one year based on installation according to manufacturer's installation instruction data.
- Part II - Product**
- 2.1 Products** - Manufacturer shall be ACO Polymer Products, Inc.
 - 2.2 Physical & Mechanical Characteristics**
 - Overall width - 27.87 inches (708mm)
 - Overall length - 27.87 inches (708mm)
 - Overall depth - 26.77 inches (680mm)
 - Invert depth - 25.63 inches (651mm)
 - Compressive strength - 14,000 psi
 - Flexural strength - 4,000 psi
 - Water absorption rate - <0.1% by weight
- Part III - Installation**
- 3.1 Excavation** - Identify area for install. Full concrete encasement is required, excavate area large enough to fit catch basin plus a minimum of 6" of concrete on all four sides and base. Engineering advice should be sought as ground conditions may require additional concrete support.
 - 3.2 Outlet Connections** - Each basin has overall dri-kuts, which when removed, allow pipe to be connected to catch basin. Dri-kuts are guides & openings that can be positioned where required.
 - 3.3 Connection of Channels** - Catch basin can be used within a channel run. Remove sidewall to suit channel profile.
 - 3.4 Back Fill** - Haunch around catch basin & backfill with concrete of 4,000 psi minimum strength. Finish concrete to 1/8" above required grate height.
 - 3.5 Install in strict accordance with manufacturer's recommendations & drawings. Details available at www.ACOdrain.us.**

ACO Specification Information

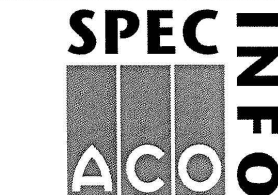
ACO Polymer Products, Inc.
Northwest Sales Office
 P.O. Box 245
 Chardon, OH 44024
 Tel: (440) 285-7000
 Toll free: (800) 543-6764
 Fax: (440) 285-7005

West Sales Office
 P.O. Box 12067
 Casa Grande, AZ 85130
 Tel: (520) 421-9988
 Toll free: (888) 490-9552
 Fax: (520) 421-9999

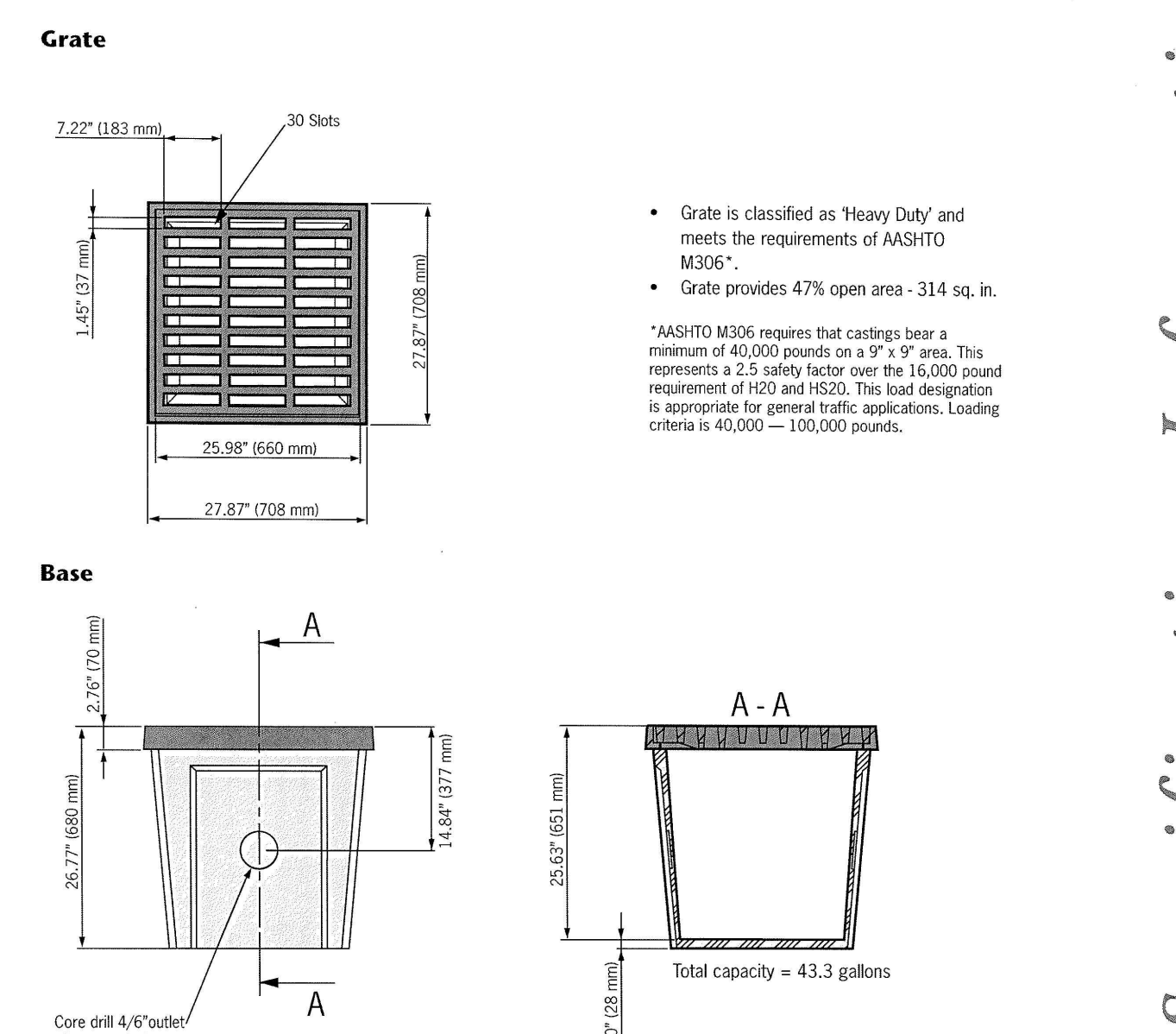
Southeast Sales Office
 4211 Pleasant Road
 Fort Mill, SC 29708
 Toll free: (800) 543-6764
 Fax: (803) 802-1063

Follow us on

Electronic Contact:
 info@ACOdrain.us
 www.ACOdrain.us



ACO DRAIN
2x2 Polyester polymer concrete catch basin



Grate is classified as 'Heavy Duty' and meets the requirements of AASHTO M306'.
 Grate provides 47% open area - 31.4 sq. in.
 *AASHTO M306 requires that castings bear a minimum of 40,000 pounds on a 9" x 9" area. This represents a 2.5 safety factor over the 16,000 pound requirement of H20 and HS20. This load designation is appropriate for general traffic applications. Loading criteria is 40,000 - 100,000 pounds.

NO.	DATE	DESCRIPTION	REVIEWED	DATE

PLAN DATE: 04-14-2022
 05-19-2022

Urban Ltd
 7110 Lakeshore Turnpike
 Annandale, Virginia 22003
 Tel: 703.642.8080
 Fax: 703.642.8251
 www.urban-ld.com

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 Planners - Engineers - Landscape Architects - Land Surveyors

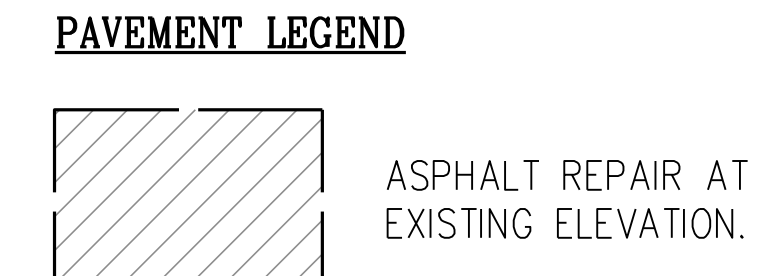
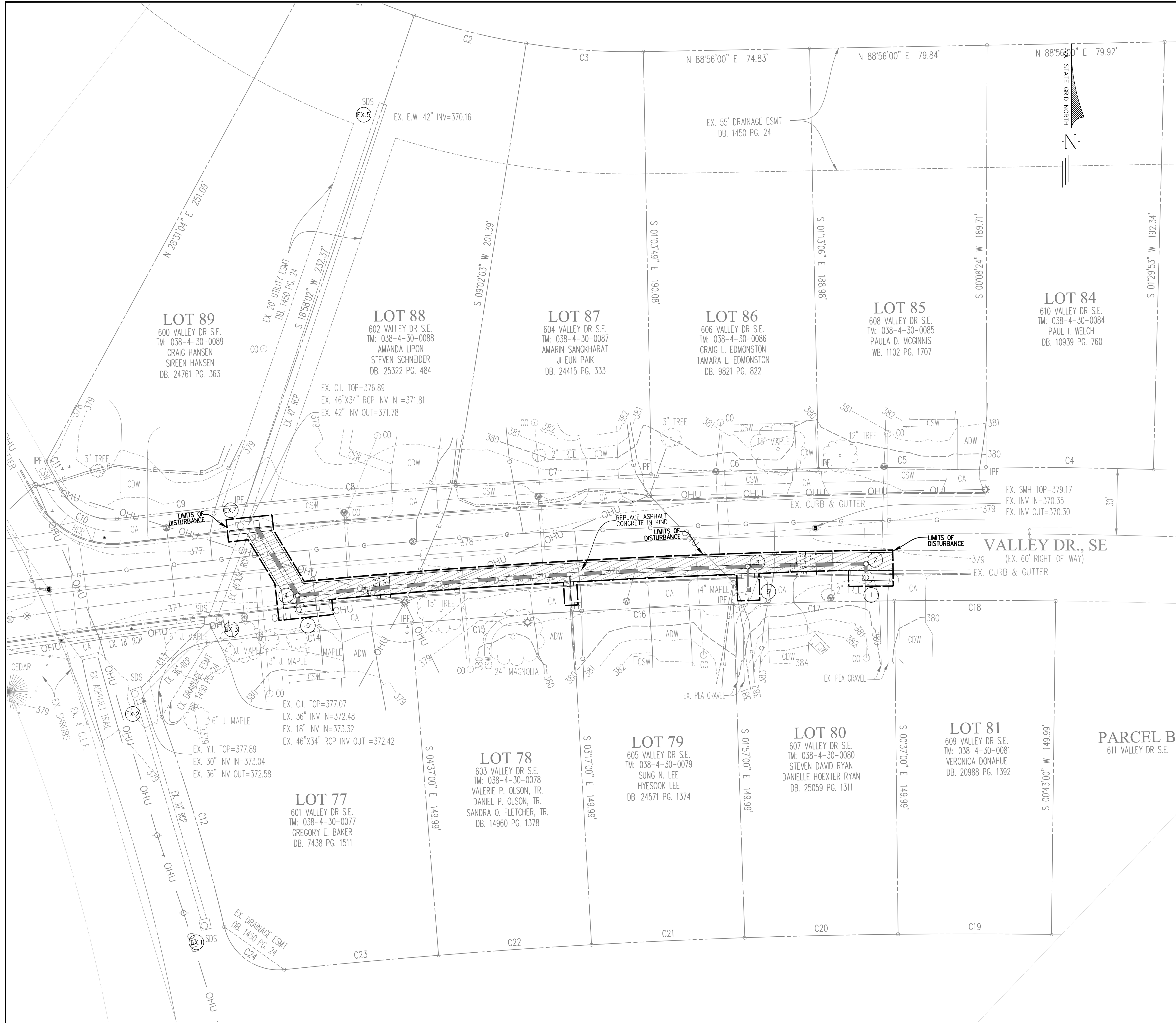
COMMONWEALTH OF VIRGINIA
 C. RYAN CONNOR
 Lic. No. 039631
 05/19/2022
 PROFESSIONAL ENGINEER

STORM PROFILES & COMPUTATIONS
VIENNA DRAINAGE IMPROVEMENTS
 VALLEY DRIVE SE
 TOWN OF VIENNA
 FAIRFAX COUNTY, VIRGINIA

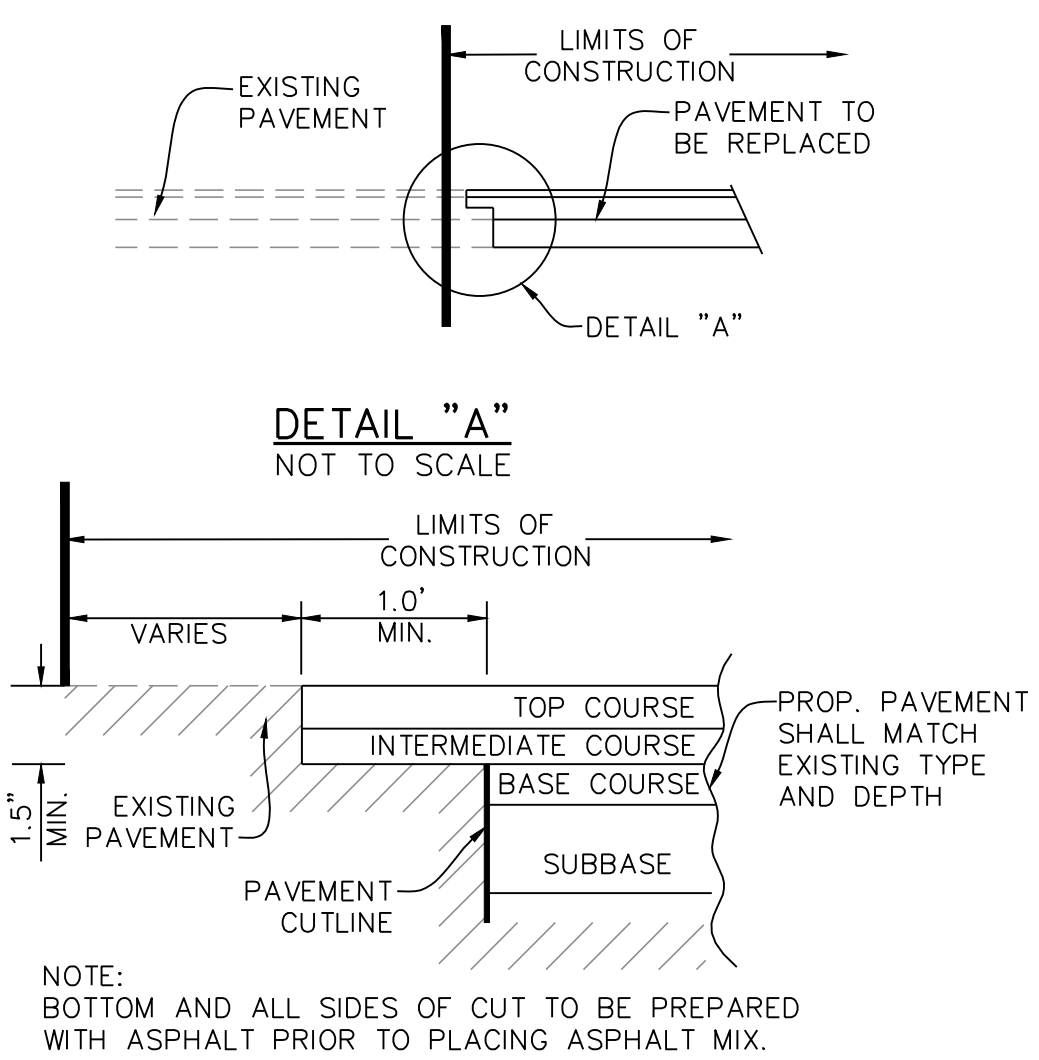
SCALE: AS SHOWN
 DATE: APRIL, 2022
 C.I. N/A

SHEET
 6
 OF
 9

FILE No.
 PP-2553



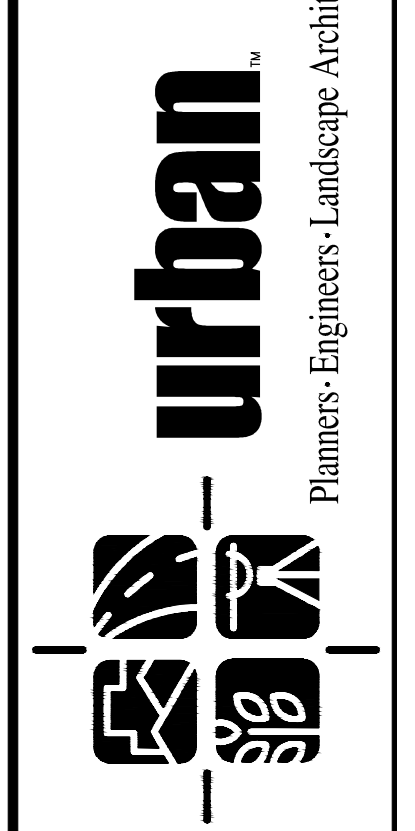
TYPICAL PAVEMENT WEDGING DETAIL
TO BE USED FOR PAVEMENT REPLACEMENT. N.T.S.



NO.	DATE	DESCRIPTION	REVIEWED	DATE

PLAN DATE
04-14-2022
05-19-2022

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7120 Little River Turnpike
Arlington, Virginia 22203
Tel. 703.642.8080
Fax. 703.642.8251
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COMMONWEALTH OF VIRGINIA
C. RYAN CONNOR
Lic. No. 039531
05/19/2022
PROFESSIONAL ENGINEER

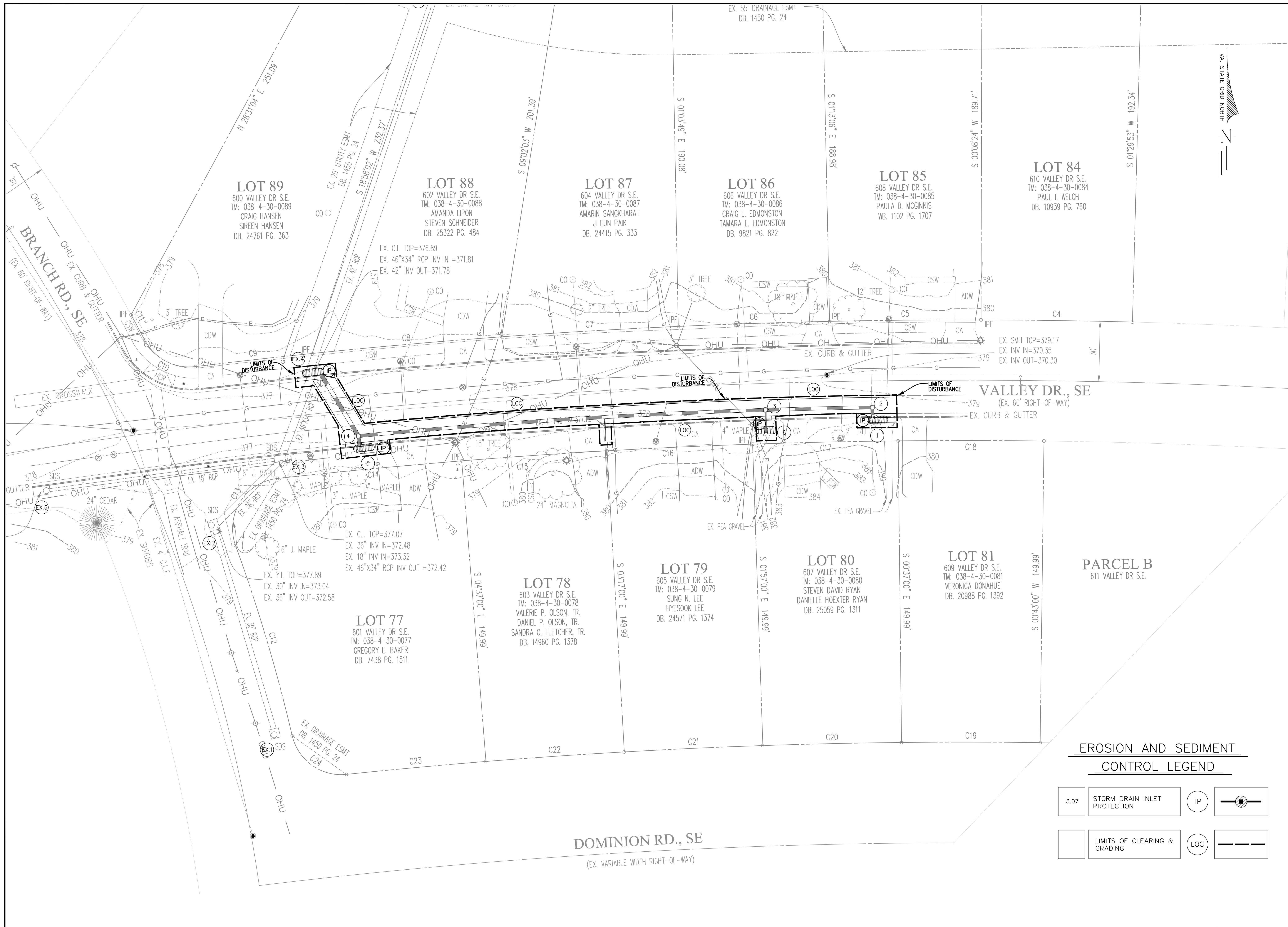
PAVEMENT IMPROVEMENT PLAN
VIENNA DRAINAGE IMPROVEMENTS
VALLEY DRIVE SE
TOWN OF VIENNA
FAIRFAX COUNTY, VIRGINIA

DATE: APRIL, 2022

SCALE: 1"=20'

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OF
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FILE No.
PP-2553



EROSION AND SEDIMENT CONTROL LEGEND

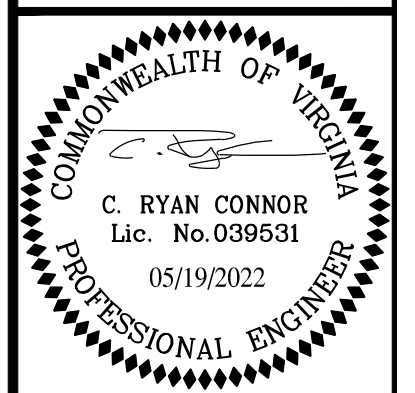
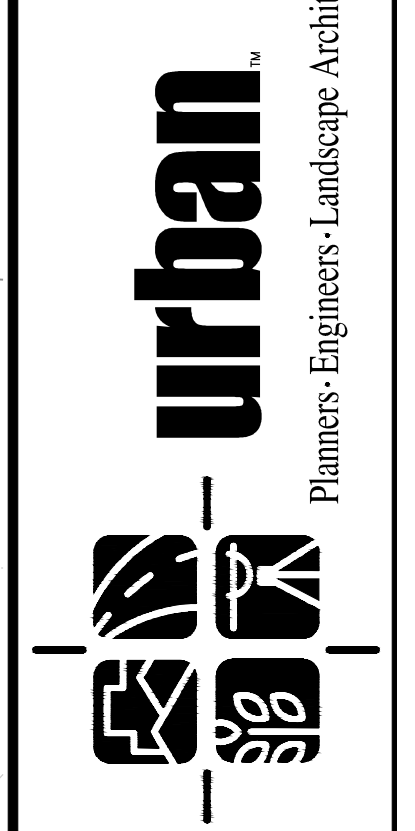
- | | | | |
|------|------------------------------|----|--|
| 3.07 | STORM DRAIN INLET PROTECTION | IP | |
|------|------------------------------|----|--|

- | | | | |
|--|------------------------------|-----|--|
| | LIMITS OF CLEARING & GRADING | LOC | |
|--|------------------------------|-----|--|

NO.	DATE	DESCRIPTION	REVISED BY	DATE

PLAN DATE
04-14-2022
05-19-2022

Urban Ltd
7110
Arlington Blvd
Arlington, Virginia 22203
Tel: 703.642.8080
Fax: 703.642.8251
www.urban-llc.com



EROSION AND SEDIMENT CONTROL PH I & PH II
VIENNA DRAINAGE IMPROVEMENTS
VALLEY DRIVE SE
 TOWN OF VIENNA
 FAIRFAX COUNTY, VIRGINIA
 SCALE: 1"=20'
 DATE: APRIL, 2022

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 OF
 9
 FILE No.
 PP-2553

EROSION AND SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF A DRAINAGE IMPROVEMENT PLAN FOR THE EXISTING VALLEY DRIVE SE. IMPROVEMENTS INCLUDE THE NEW INLETS AND NEW STORM PIPE, AS WELL AS REPLACING EXISTING CURB & GUTTER AND PAVEMENT. THE TOTAL DISTURBED ACREAGE FOR THE PROJECT IS 0.082 ACRES.

EXISTING SITE CONDITIONS

THE SITE IS EXISTING VALLEY DRIVE SE ROAD. THE LIMITS OF CLEARING ARE CONTAINED WITHIN THE TOWN OF VIENNA RIGHT OF WAY AND IMPACT EXISTING PAVEMENT AND SOME CURB & GUTTER.

ADJACENT PROPERTIES

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

OFFSITE AREAS

ALL CONSTRUCTION WILL TAKE PLACE WITHIN THE TOWN OF VIENNA RIGHT OF WAY.

SOILS INFORMATION

THE ENTIRE SITE CONSISTS OF WHEATON-SUMERDUCK COMPLEX. SEE SOIL TYPE ON SHEET 2.

CRITICAL AREAS

THE SITE CONSISTS MAINLY OF PAVED ROAD, AND THERE ARE NO STEEP SLOPES OR RESOURCE PROTECTION AREAS WITHIN THE PROJECT LIMITS.

EROSION AND SEDIMENT CONTROL MEASURES

THE EROSION AND SEDIMENT CONTROL MEASURES FOR THIS PROJECT AREA 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 INLET PROTECTION BEFORE IT ENTERS THE EXISTING STORM SEWER SYSTEM.

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 OR 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 DISTURBED 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 FINISH 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 SEEDDED 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 I)

- INSTALL PERIMETER CONTROLS AS SHOWN ON THE SITE PLAN (INLET PROTECTION). PERIMETER CONTROLS MUST BE APPROVED IN WRITING BY THE TOWN E&S INSPECTOR BEFORE CLEARING OF THE SITE CAN TAKE PLACE.
- COMMENCE PAVEMENT CUTS AND PAVEMENT REMOVAL.
- CONSTRUCT STORM SEWER IMPROVEMENTS.

SEDIMENT CONTROL PROGRAM (PHASE II)

- COMMENCE CONSTRUCTION OF CURB & GUTTER AND PAVEMENT AS SHOWN ON THE CONSTRUCTION PLANS.
- INLET PROTECTION (IP) SHALL BE PROVIDED AT STORM DRAIN INLETS AS THEY ARE CONSTRUCTED.
- PERMANENTLY STABILIZE UNPAVED AREAS WITH SEED OR SOD (PER SEC. 3.32 AND SEC. 3.33 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK).
- 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., SEEDDED OR SODDEN AREAS) ON A DAILY BASIS (ESPECIALLY AFTER A HEAVY RAINFALL) TO INSURE THAT ALL CONTROLS ARE IN PLACE AND THAT NONE HAVE BEEN DAMAGED. ANY DAMAGED CONTROL SHALL BE REPAIRED PRIOR TO END OF THE WORK DAY TO INCLUDE RESEEDING OR RESETTING, IF NECESSARY. WHEN IT IS CLEAR THAT PLANTS HAVE NOT GERMINATED ON AN AREA OR HAVE DIED, THESE AREAS MUST BE RE-SEEDDED IMMEDIATELY TO PREVENT EROSION DAMAGE.
- AFTER ALL CONSTRUCTION OPERATIONS HAVE ENDED AND ALL DISTURBED AREAS ARE STABILIZED, MECHANICAL SEDIMENT CONTROLS SHALL BE REMOVED AND 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 SEEDDED AND MULCHED IN ACCORDANCE WITH SEC. 3.32 AND 3.35 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, EXCEPT IN THOSE UNPAVED AREAS WHERE THE TOWN DETERMINES SOD SHALL BE PLACED.

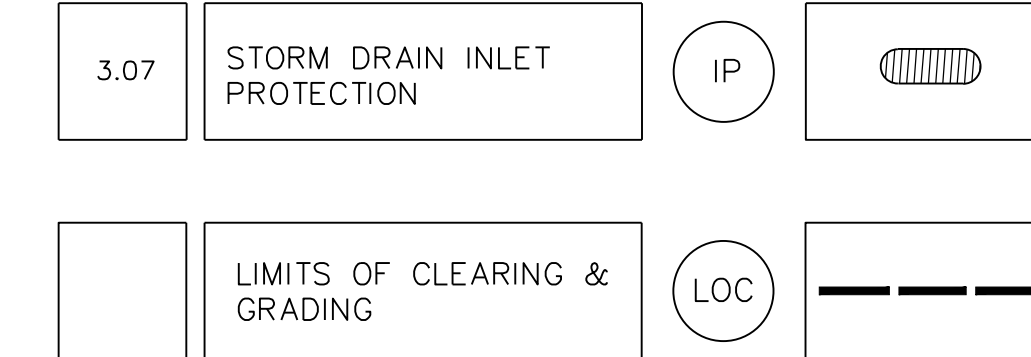
STORMWATER MANAGEMENT

N/A

ADDITIONAL NOTES

- THE TOWN INSPECTOR SHALL HAVE THE AUTHORITY TO DIRECT THE ADDITION OR DELETION OF EROSION AND SEDIMENT CONTROLS AS SITE CONDITIONS WARRANT.
- EARTHEN STRUCTURES ARE TO BE STABILIZED IMMEDIATELY UPON COMPLETION.
- CONTRACTOR SHALL CONTACT TOWN ARBORIST PRIOR TO BEGINNING EXCAVATION TO CLOSELY COORDINATE ROOT PRUNING WITHIN CRITICAL ROOT ZONES. CONTRACTOR SHALL EMPLOY APPROPRIATE ROOT PROTECTION METHODS PER TOWN ARBORIST RECOMMENDATION IN ORDER TO MAXIMIZE THE POTENTIAL FOR TREE PRESERVATION.

EROSION & SEDIMENT CONTROL LEGEND



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:

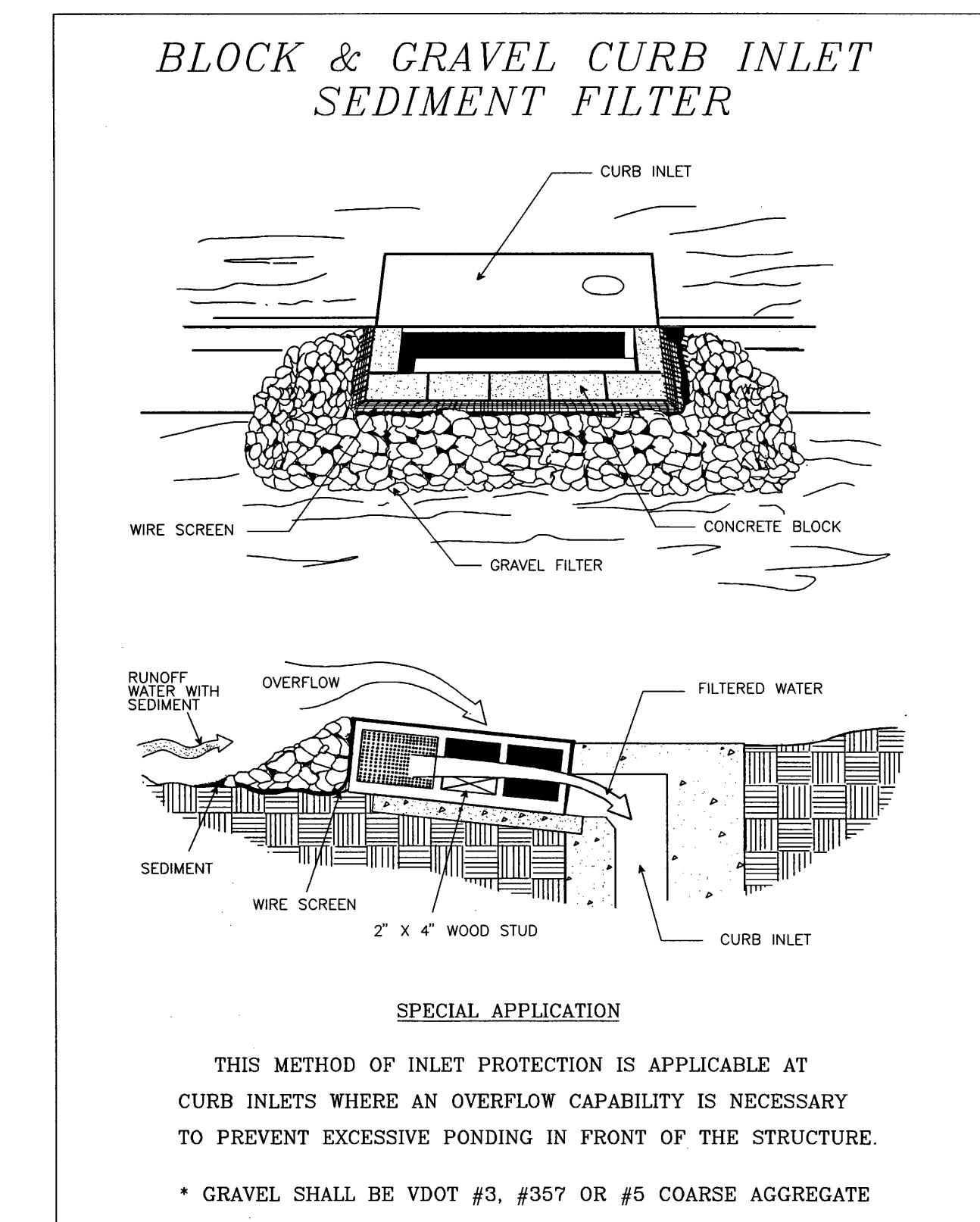
- STORM DRAIN INLET PROTECTION - 3.07**
A SEDIMENT FILTER OR AN EXCAVATED IMPOUNDING AREA AROUND A STORM DRAIN DROP INLET OR CURB INLET.
- TOPSOILING - 3.30**
PRESERVING AND REUSING THE SURFACE LAYER OF SOIL FROM AREAS TO BE GRADED.
- TEMPORARY SEEDING - 3.31**
THE ESTABLISHMENT OF A TEMPORARY VEGETATIVE 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.
- 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.
- ALL STORM SEWER LINES NOT IN STREETS ARE TO BE MULCHED AND SEEDDED WITHIN 5 DAYS AFTER BACKFILL. NO MORE THAN 500 FEET ARE TO BE OPEN AT ONE TIME.
- ELECTRIC POWER, TELEPHONE AND GAS SUPPLY TRENCHES ARE TO BE COMPACTED, SEEDDED AND MULCHED WITHIN 5 DAYS AFTER BACKFILL.
- ALL TEMPORARY EARTH BERMS, AND DIVERSIONS ARE TO BE MULCHED AND SEEDDED 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.

1992

3.07



Source: Va. DSWC

Plate 3.07-8

PLAN DATE	DESCRIPTION	REVIEWED	DATE
04-14-2022			
05-19-2022			

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7112 Lakeshore Turnpike
Arlington, Virginia 22003
Tel. 703.642.8080
Fax. 703.642.8251
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COMMONWEALTH OF VIRGINIA

C. RYAN CONNOR
Lic. No. 039631
05/19/2022

PROFESSIONAL ENGINEER

EROSION & SEDIMENT CONTROL NOTES & DETAILS

VIENNA DRAINAGE IMPROVEMENTS

VALLEY DRIVE SE

TOWN OF VIENNA

FAIRFAX COUNTY, VIRGINIA

C.I. N/A

DATE: APRIL, 2022

SCALE: N/A

SHEET
9
OF
9

FILE No.
PP-2553