

ROUGH GRADING PLAN

ROLLING VALLEY PCL A SEC 8B

SPRINGFIELD STATION HOA

SPRINGFIELD, VA 22153

OWNER/APPLICANT

SPRINGFIELD STATION HOMEOWNER'S ASSOCIATION, INC.
 ATTN: JOHN GIULIANI
 8841 APPECROSS LANE
 SPRINGFIELD, VIRGINIA 22153
 jngiuliani@cox.net

CIVIL ENGINEER



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PROFESSIONAL SEAL

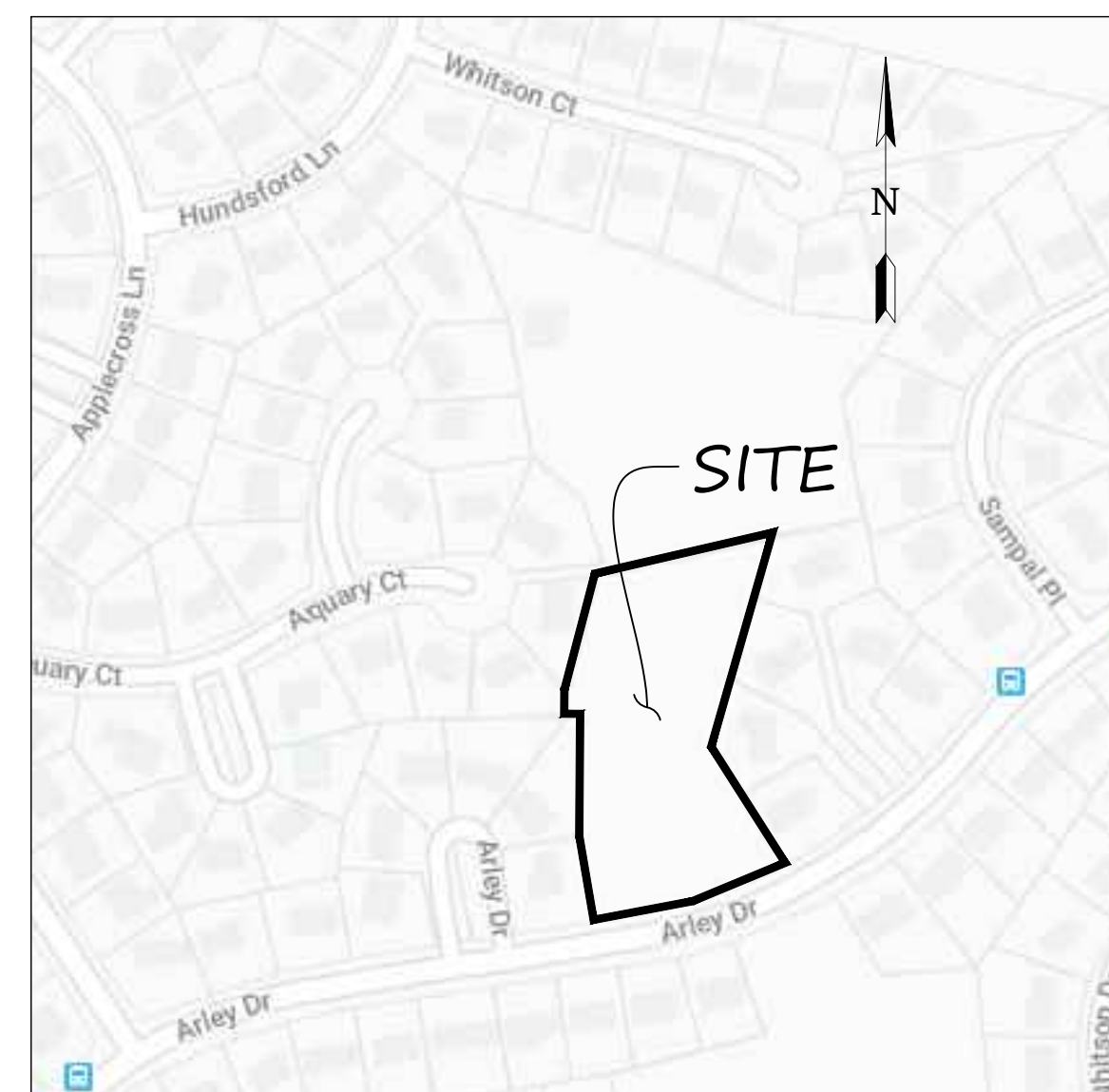
04/16/20
 PROGRESS SET:
 NOT FOR
 SUBMITTAL OR
 CONSTRUCTION

SHEET TITLE

COVER SHEET

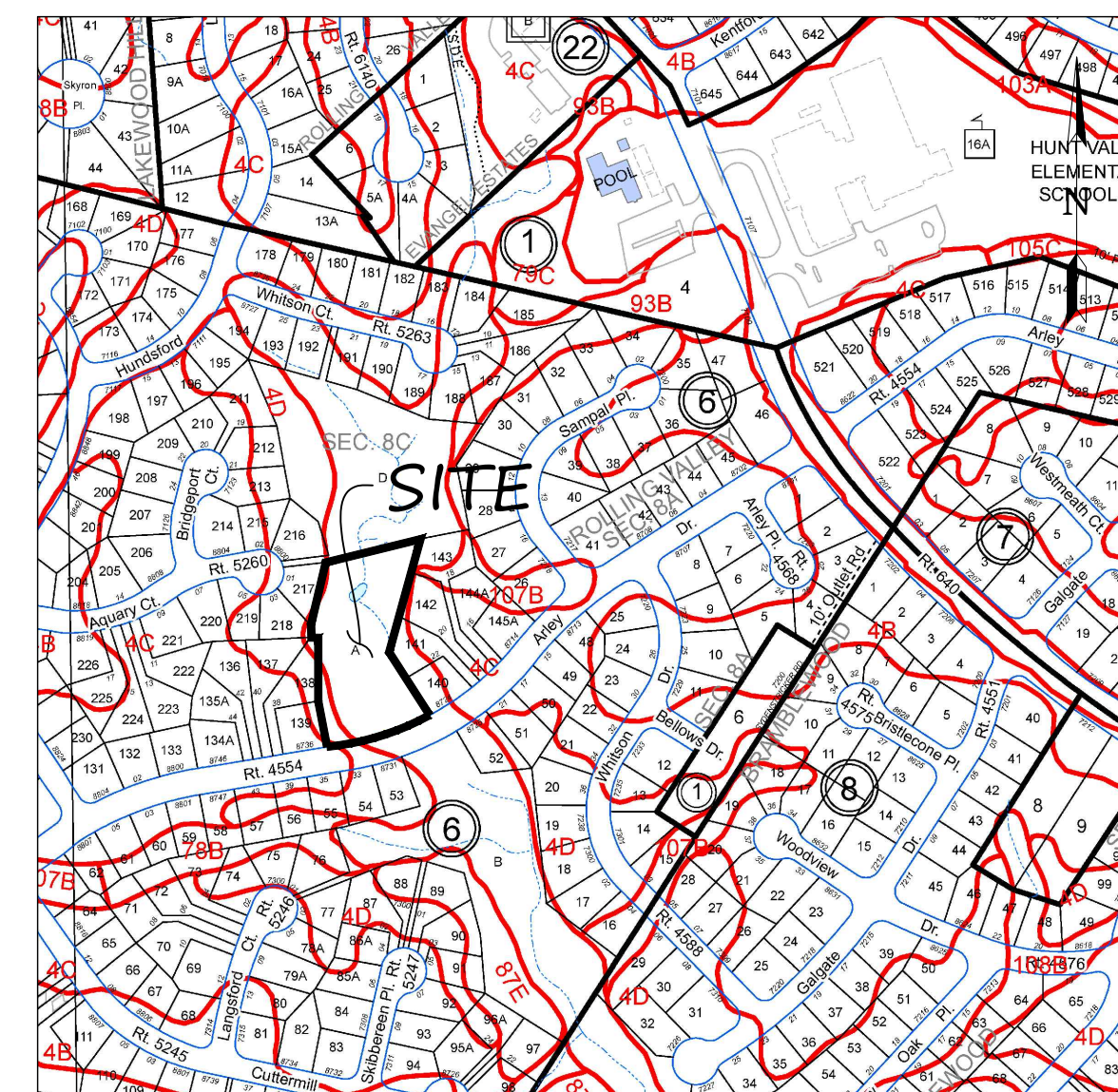
VICINITY MAP

SCALE: 1" = 1,000'



SOIL MAP

SCALE: 1" = 400'



SOIL ID NUMBERS	SOIL SERIES NAME	FOUNDATION SUPPORT	SOIL DRAINAGE	EROSION POTENTIAL	PROBLEM CLASS
4C	BARKER CROSSROADS - NATHALIE COMPLEX	FAIR	GOOD	HIGH	IVB
4D	BARKER CROSSROADS - NATHALIE COMPLEX	FAIR	GOOD	HIGH	IVB
108B	WHEATON-SUMERDUCK COMPLEX	MARGINAL	POOR	MEDIUM	IVB

GENERAL NOTES

1. APPLICANT:
 JOHN GIULIANI
 SPRINGFIELD STATION HOMEOWNER'S ASSOCIATION
 8841 APPECROSS LANE
 SPRINGFIELD, VA 22153
2. THE PROPERTY SHOWN HEREON IS DESIGNATED BY FAIRFAX COUNTY, VIRGINIA, AS TAX MAP REFERENCE NUMBER 0893-06-A, ZONED R-3C (RESIDENTIAL W/ CLUSTER DEVELOPMENT, 3 DU/AC).
3. THE PROPERTY SHOWN HEREON IS CURRENTLY IN THE NAME OF SPRINGFIELD STATION HOMEOWNER'S ASSOCIATION, INC. BY DEED RECORDED IN DEED BOOK 03409 AT PAGE 0664 AMONG THE LAND RECORDS OF FAIRFAX COUNTY, VIRGINIA.
4. TOTAL AREA OF THE PROPERTY IS 78,583 S.F. OR 1.804 AC.
5. SURVEY INFORMATION IS BASED ON FAIRFAX COUNTY GIS RECORDS.
6. THE FEMA FLOOD INSURANCE RATE MAP FOR FAIRFAX COUNTY, VIRGINIA, MAP NUMBER 51059C0290E EFFECTIVE DATE SEPTEMBER 17, 2010 DESIGNATES THE PROPERTY AS ZONE X. AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.
7. EXISTING ZONE: R-3C (RESIDENTIAL W/ CLUSTER DEVELOPMENT, 3 DU/AC).
8. PUBLIC WATER IS NOT AVAILABLE TO THE PROPERTY. PUBLIC SEWER IS AVAILABLE TO THE PROPERTY.
9. THE PROPERTY IS LOCATED IN THE POHICK CREEK WATERSHED.
10. THIS DEVELOPMENT SHALL CONFORM TO THE PROVISIONS OF APPLICABLE ORDINANCES, REGULATIONS, AND ADOPTED STANDARDS AS NOTED HEREIN.
11. THIS PLAN HONORS ALL EXISTING AND NATURAL DRAINAGE DIVIDES.

PROJECT NUMBER: 19073.01

PROJECT NAME AND ADDRESS

ROLLING VALLEY PCL A SEC 8B
 SPRINGFIELD STATION HOA
 SPRINGFIELD, VA 22153

SPRINGFIELD DISTRICT
 FAIRFAX COUNTY, VIRGINIA

DATE: 04/16/20
 DESIGNED: JAK
 DRAFTED: JAK
 VERIFIED: BDD
 SCALE: AS NOTED

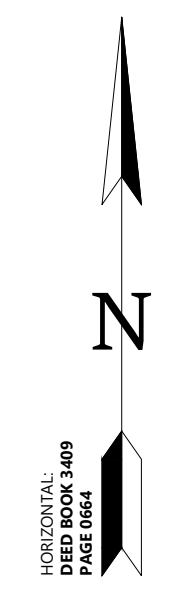
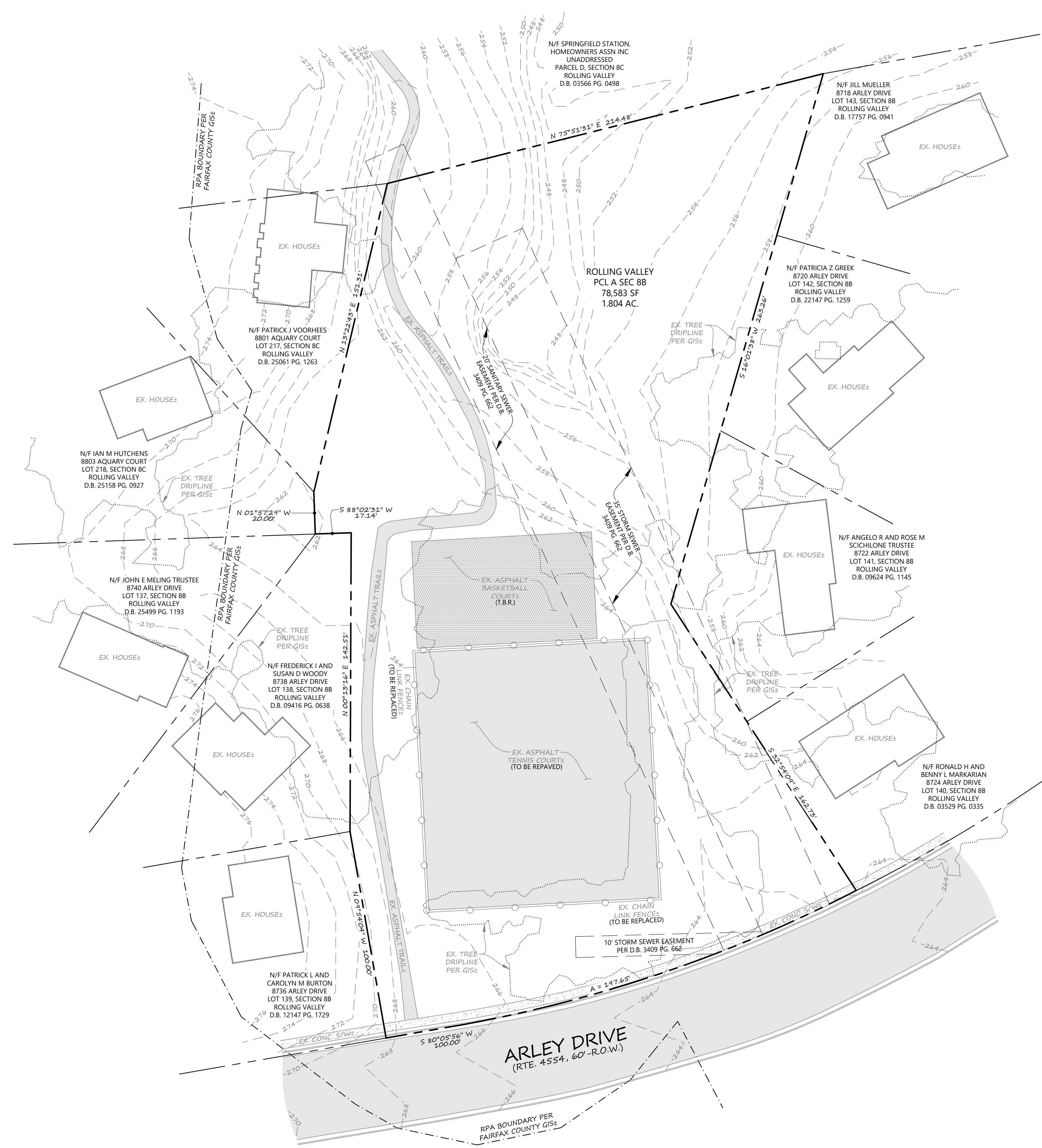
SHEET INDEX

SHEET #	SHEET TITLE
CIV001	COVER SHEET
CIV100	EXISTING CONDITIONS AND DEMOLITION PLAN
CIV200	SITE, EROSION & SEDIMENT CONTROL PLAN
CIV210	OUTFALL ANALYSIS
CIV310	EROSION & SEDIMENT CONTROL NOTES & DETAILS

SHEET NUMBER:

CIV001

C:\Users\jdemarr\OneDrive\Desktop\Rolling Valley Station HOA\Rolling Valley Station HOA.dwg (1/24/2020 8:31:07 AM, ARCH) Full bleed D (24.00x 36.00) Inches



VICINITY MAP
SCALE: 1" = 1,000 FT

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ENGINEERING

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PROFESSIONAL SEAL

04/16/20
PROGRESS SET:
NOT FOR
SUBMITTAL OR
CONSTRUCTION

SHEET TITLE
EXISTING CONDITIONS
AND DEMOLITION PLAN

PROJECT NUMBER: 19073.01

PROJECT NAME AND ADDRESS
ROLLING VALLEY PCL A SEC 8B
SPRINGFIELD STATION HOA
SPRINGFIELD, VA 22153
SPRINGFIELD DISTRICT
FAIRFAX COUNTY, VIRGINIA

EXISTING CONDITIONS LEGEND:

- ADJACENT PROPERTY LINE
- PROPERTY LINE
- - - EX. 2-FT CONTOUR±
- - - EX. RPA BOUNDARY±
- EX. TREE DRIPLINE±
- EX. BUILDING±
- EX. CHAIN LINK FENCE
- EX. ASPHALT PAVEMENT
- EX. CONCRETE

DEMOLITION LEGEND:

- (T.B.R.) EX. FEATURE TO BE REMOVED

EASEMENT NOTE:

THIS SURVEY HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND DOES NOT NECESSARILY INDICATE ALL ENCUMBRANCES ON THE PROPERTY.

BOUNDARY NOTE:

BOUNDARY INFORMATION SHOWN HEREON BASED ON PLAT RECORDED IN DEED BOOK 3409 AT PAGE 664 AMONG THE FAIRFAX COUNTY LAND RECORDS. A FORMAL BOUNDARY SURVEY IS REQUIRED TO ESTABLISH FINAL BOUNDARY LOCATION FOR THE PROPERTY.

EXISTING UTILITY NOTE:

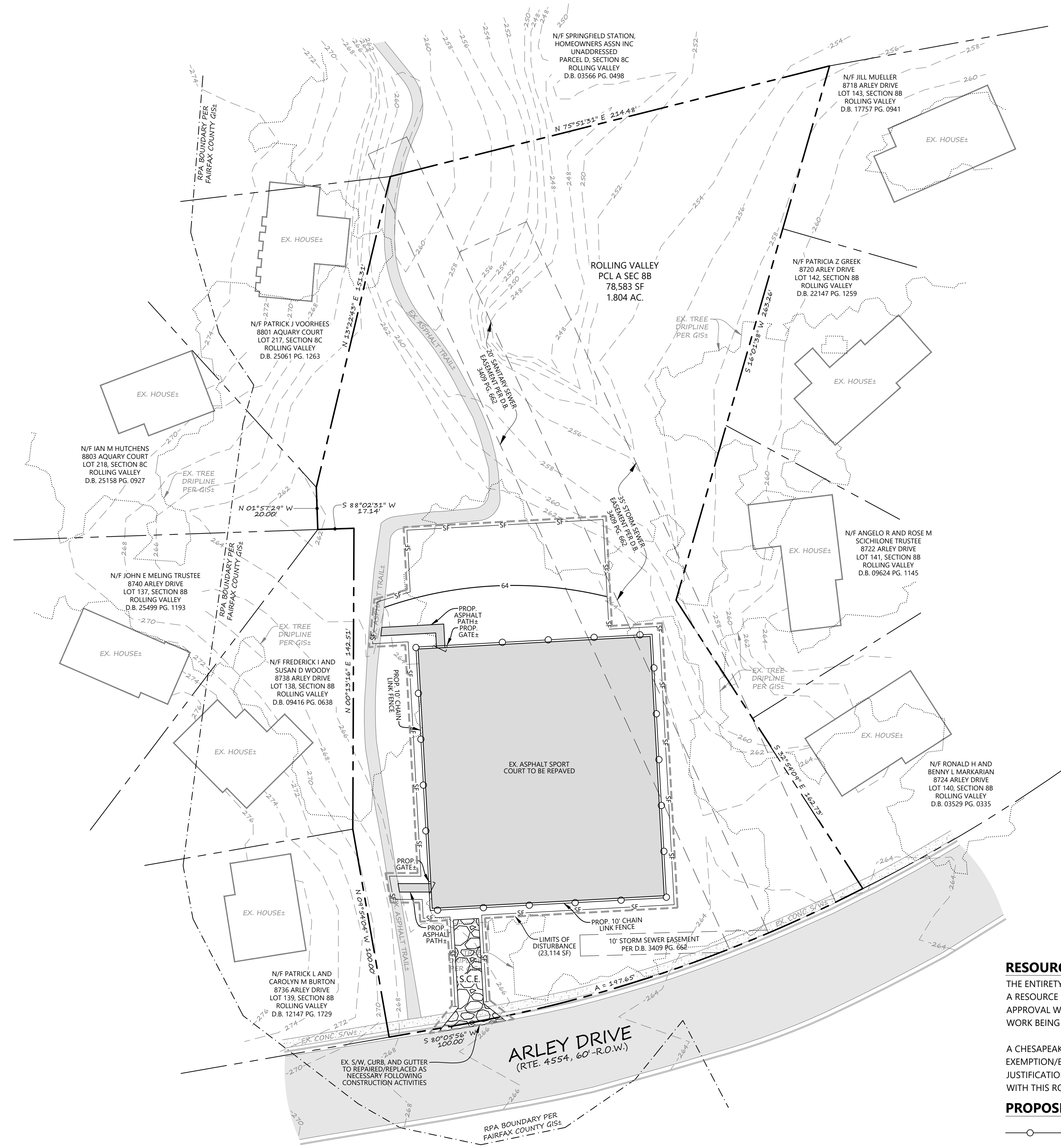
- CONTRACTOR TO NOTIFY "MISS UTILITY OF VIRGINIA" (BY PHONE: 811 OR 1-800-552-7001, OR ONLINE: WWW.VA811.COM) AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION OR DEMOLITION ACTIVITY ON THIS PROJECT.
- CONTRACTOR TO VERIFY LOCATIONS OF ALL PUBLIC AND PRIVATE UTILITIES. IN THE EVENT OF ANY DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS, CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER.

DATE:	04/16/20
DESIGNED:	JAK
DRAFTED:	JAK
VERIFIED:	BDD
SCALE:	1" = 30'
0 15 20 60	
1"=30' FEET	

SHEET NUMBER:

CIV100

C:\2020 Site Erosion & Sediment Control Plans_47162020\83112_AW_ARCH1-1.dwg (1/24/20) (36.00 inches)



RESOURCE PROTECTION AREA NOTE
THE ENTIRETY OF THE PROJECT SITE LIES WITHIN AN RPA. A RESOURCE PROTECTION AREA EXEMPTION REQUEST APPROVAL WILL BE OBTAINED PRIOR TO ANY PROPOSED WORK BEING PERFORMED.

A CHESAPEAKE BAY PRESERVATION ORDINANCE RPA EXEMPTION/EXCEPTION REQUEST AND LETTER OF JUSTIFICATION WILL BE SUBMITTED IN CONJUNCTION WITH THIS ROUGH GRADING PLAN.

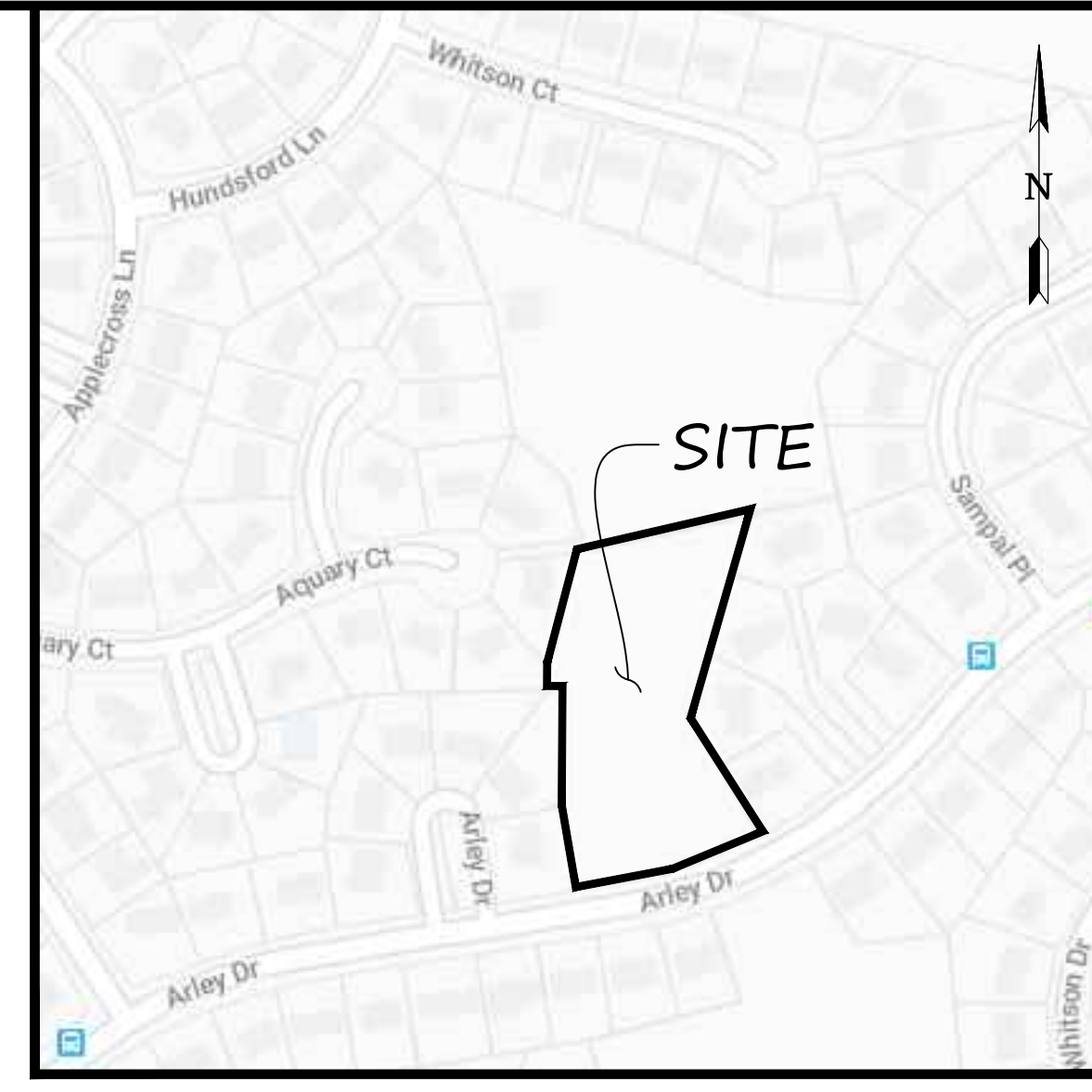
PROPOSED FEATURES LEGEND:

- PROP. CHAIN LINK FENCE
- PROP. ASPHALT
- SILT FENCE
- EROSION CONTROL TUBE
- TREE PROTECTION
- LIMITS OF DISTURBANCE
- STABILIZED CONSTRUCTION ENTRANCE

WETLANDS PERMITS CERTIFICATION
I HEREBY CERTIFY THAT ALL WETLANDS PERMITS REQUIRED BY LAW WILL BE OBTAINED PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES.

SIGNATURE: *Blake D. Demarr*
OWNER/DEVELOPER: BLAKE D. DEMARR, P.E. OWNER'S AGENT TITLE

EXISTING UTILITY NOTE:
1. CONTRACTOR TO NOTIFY "MISS UTILITY OF VIRGINIA" (BY PHONE: 811 OR 1-800-552-7001, OR ONLINE: WWW.VA811.COM) AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION OR DEMOLITION ACTIVITY ON THIS PROJECT.
2. CONTRACTOR TO VERIFY LOCATIONS OF ALL PUBLIC AND PRIVATE UTILITIES. IN THE EVENT OF ANY DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS, CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER.



VICINITY MAP
SCALE: 1" = 1/4 MILE

EROSION AND SEDIMENT CONTROL NARRATIVE:

PROJECT DESCRIPTION
THE PURPOSE OF THIS PROJECT IS TO REMOVE THE EXISTING 51'x86' ASPHALT SPORT COURT AND REPAVE/REPLACE THE EXISTING 110'x123' ASPHALT SPORT COURT WITH A NEW 10'-HIGH CHAIN LINK FENCE, GATES, AND WALKWAYS. THE SITE IS LOCATED IN THE SOUTHEAST QUADRANT OF FAIRFAX COUNTY. A TOTAL OF 0.531 ACRES WILL BE DISTURBED DURING CONSTRUCTION.

EXISTING SITE CONDITIONS
THE EXISTING 1.804 ACRE SITE DRAINS TO THE NORTHEAST. THE SLOPES ON-SITE RANGE FROM APPROXIMATELY 2-30%.

ADJACENT PROPERTY
SINGLE FAMILY, DETACHED HOMES BORDER THE PROJECT SITE TO THE NORTH, EAST, AND WEST. THE PROJECT SITE IS BORDERED TO THE SOUTH BY ARLEY DRIVE.

OFF-SITE AREAS
IT IS ANTICIPATED THAT A BORROW SITE WILL BE NEEDED FOR FILL DIRT AFTER REMOVAL OF THE EXISTING SWIMMING POOL, EXISTING TENNIS COURT, AND REMOVAL OF THE EXISTING DWELLING W/ BASEMENT. BORROW SITE SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES.

SOILS
(SEE SOILS MAP DATA ON SHEET CIV001.)
THE SOILS ON SITE CONSIST OF 4C/4D (BARKER CROSSROADS-NATHALIE COMPLEX) AND 108B (WHEATON - SUMERDUCK COMPLEX).

CRITICAL AREAS
THIS SITE HAS A HIGH POTENTIAL FOR SHEET-FLOW EROSION ON UNPROTECTED SOILS DURING CONSTRUCTION SITE CONDITIONS. THE SITE CONTAINS SLOPE GRADIENTS OF 2-30% AND HAS SOILS CLASSIFIED AS PROBLEM CLASS IV.

EROSION AND SEDIMENT CONTROL MEASURES
SILT FENCE ON THE UPHILL PORTION OF THE SITE WILL SERVE TO DECREASE THE VELOCITY OF SHEET FLOW ENTERING THE LIMITS OF DISTURBANCE. SILT FENCE ON THE DOWNHILL PORTION OF THE SITE WILL SERVE TO PREVENT SEDIMENT FROM LEAVING THE LIMITS OF DISTURBANCE. SEE SHEET CIV310 FOR EROSION AND SEDIMENT CONTROL SPECIFICATIONS & DETAILS.

PERMANENT STABILIZATION
ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT SEEDING IMMEDIATELY FOLLOWING ROUGH GRADING. SEE SHEET CIV310 FOR TEMPORARY AND PERMANENT SEEDING SPECIFICATIONS.

STORMWATER RUNOFF CONSIDERATIONS & CALCULATIONS
CALCULATION OF RUNOFF BEFORE AND AFTER DEVELOPMENT INDICATES THAT THERE WILL BE A NET DECREASE IN PEAK RUNOFF AS A RESULT OF PROJECT DEVELOPMENT. SEE SHEET CIV210 FOR PRE- AND POST- DEVELOPMENT IMPERVIOUS AREA RUNOFF CALCULATIONS.

CONSTRUCTION SEQUENCE
CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS AND SCHEDULE A PRE-CONSTRUCTION MEETING WITH COUNTY INSPECTOR PRIOR TO ANY LAND DISTURBANCE.
1. INSTALL EROSION CONTROL MEASURES AS SHOWN ON THIS PLAN.
2. REMOVE EXISTING FEATURES INSIDE LIMITS OF DISTURBANCE AS NECESSARY.
3. BRING SITE TO ROUGH GRADE.
4. STABILIZE ALL DISTURBED AREAS FOLLOWING ROUGH GRADE.
5. REMOVE EROSION CONTROL MEASURES AFTER ENTIRE SITE IS STABILIZED AND APPROVAL IS OBTAINED FROM COUNTY INSPECTOR.

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PROFESSIONAL SEAL
04/16/20
PROGRESS SET:
NOT FOR
SUBMITTAL OR
CONSTRUCTION

SHEET TITLE
SITE, EROSION & SEDIMENT
CONTROL PLAN

PROJECT NUMBER: 19073.01

ROLLING VALLEY PCL A SEC 8B
SPRINGFIELD STATION HOA
SPRINGFIELD, VA 22153
SPRINGFIELD DISTRICT
FAIRFAX COUNTY, VIRGINIA

DATE: 04/16/20
DESIGNED: JAK
DRAFTED: JAK
VERIFIED: BDD
SCALE: 1" = 30'
0 15 30 60
1"=30' FEET

SHEET NUMBER:
CIV200

PRE-DEVELOPMENT CONDITIONS NARRATIVE

THE SITE IS LOCATED IN THE SOUTHEAST PORTION OF FAIRFAX COUNTY. THE 1.804-ACRE SITE CONSISTS OF TWO ASPHALT SPORT COURTS AND AN ASPHALT PATH. A TOTAL OF 0.531 ACRES WILL BE DISTURBED DURING CONSTRUCTION.

OUTFALL ANALYSIS

THE PROPOSED SITE WILL HONOR EXISTING DRAINAGE DIVIDES. RUNOFF ALONG THE PROPERTY FLOWS SOUTHEAST TOWARDS ARLEY DRIVE RIGHT-OF-WAY.

THE RUNOFF FROM THE DISTURBED AREA EXITS THE DISTURBED AREA IN A SHEET FLOW CONDITION. THE PROJECT IS PROPOSING A DECREASE IN THE 10-YEAR STORM RUNOFF TO THE OUTFALL. THE SITE CAN CONTINUE TO RUNOFF INTO NEIGHBORING AND DOWNSTREAM SITES BECAUSE THERE IS NO INCREASE IN RUNOFF AND THE FLOW IS NOT IN A CONCENTRATED FORM.

THERE IS A YARD INLET ON THE SITE AND CURB INLETS ALONG ARLEY DRIVE. TO CAPTURE THE STORMWATER RUNOFF, SEE STORMWATER INLET MAP ON THIS SHEET. THE STORMWATER IS THEN CONVEYED TOWARD MIDDLE RUN.

IT IS THE OPINION OF THE CONSULTANT THAT THE RUNOFF FROM THE PROJECT SITE WILL NOT CAUSE FURTHER EROSION, SEDIMENTATION, OR FLOODING TO DOWN-GRADIENT PROPERTIES OR RESOURCES, THUS PER SECTION 124-4-4(E), ADEQUATE OUTFALL IS ACHIEVED.

STORMWATER RUNOFF CALCULATIONS

TOTAL SITE AREA = 1.80 AC.
EXISTING IMPERVIOUS AREA = 0.49 AC.
EXISTING IMPERVIOUS AREA TO BE REMOVED = 0.10 AC.
PROPOSED IMPERVIOUS AREA = 0.39 AC.
TOTAL DECREASE IN IMPERVIOUS AREA = 0.10 AC.

WEIGHTED "C" FACTOR CALCULATIONS:

"C" PRE-DEVELOPMENT = $(1.31 \times 0.30) + (0.49 \times 0.90) / 1.80 = 0.46$
"C" POST-DEVELOPMENT = $(1.41 \times 0.30) + (0.39 \times 0.90) / 1.80 = 0.43$

PRE-DEVELOPMENT PEAK DISCHARGES (Tc = 5 MIN, PLATE 2B-6):

PEAK Q2 PRE-DEV = $(0.46) \times (5.23 \text{ IN/HR}) \times (1.8 \text{ AC}) = 4.3 \text{ CFS}$
PEAK Q10 PRE-DEV = $(0.46) \times (6.77 \text{ IN/HR}) \times (1.8 \text{ AC}) = 5.6 \text{ CFS}$
PEAK Q100 PRE-DEV = $(0.46) \times (9.10 \text{ IN/HR}) \times (1.8 \text{ AC}) = 7.5 \text{ CFS}$

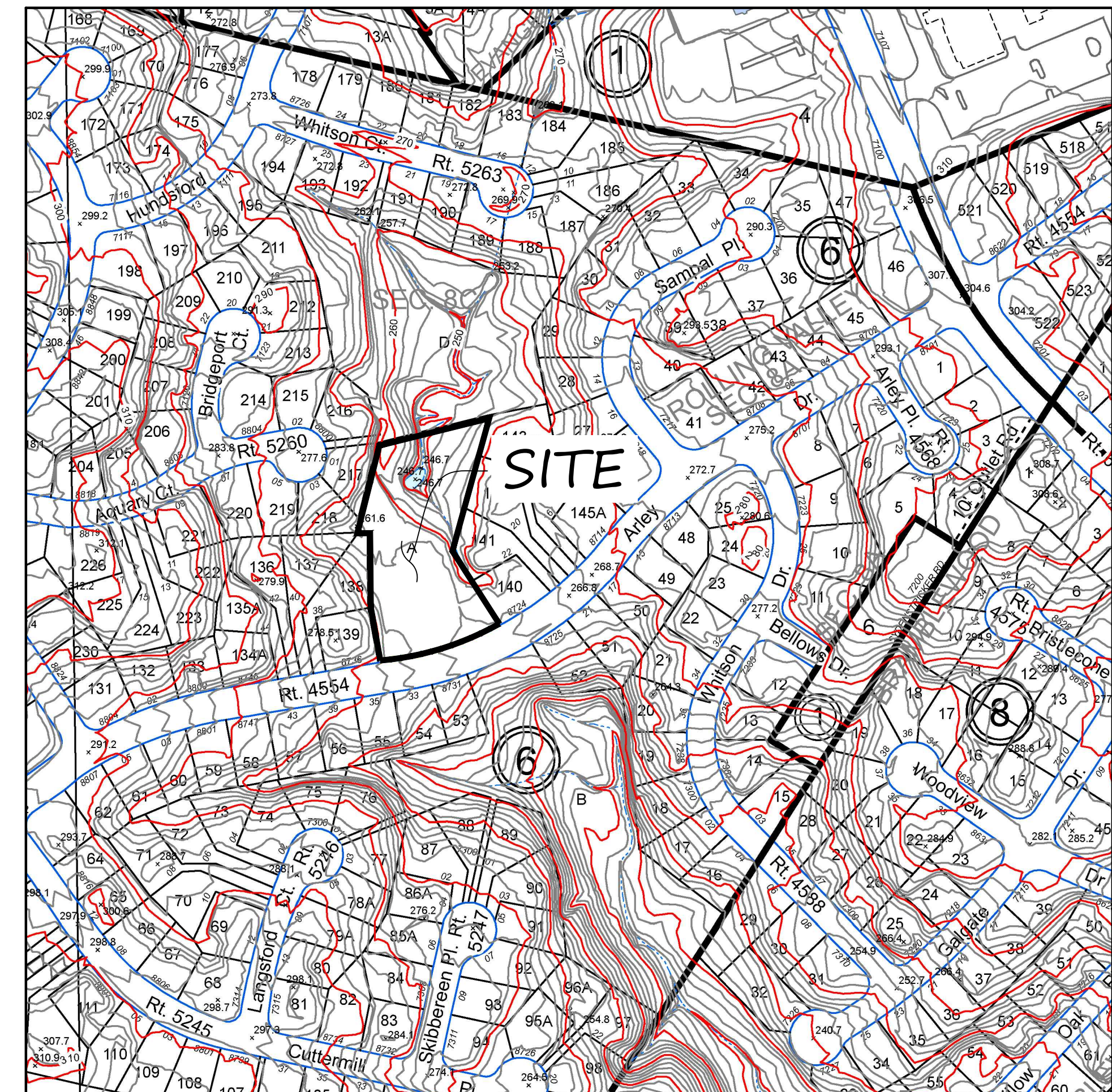
POST-DEVELOPMENT PEAK DISCHARGES (Tc = 5 MIN, PLATE 2B-6):

PEAK Q2 POST-DEV = $(0.43) \times (5.23 \text{ IN/HR}) \times (1.8 \text{ AC}) = 4.0 \text{ CFS}$
PEAK Q10 POST-DEV = $(0.43) \times (6.77 \text{ IN/HR}) \times (1.8 \text{ AC}) = 5.2 \text{ CFS}$
PEAK Q100 POST-DEV = $(0.43) \times (9.10 \text{ IN/HR}) \times (1.8 \text{ AC}) = 7.0 \text{ CFS}$

Q2 DECREASE = 0.3 CFS
Q10 DECREASE = 0.4 CFS
Q100 DECREASE = 0.5 CFS

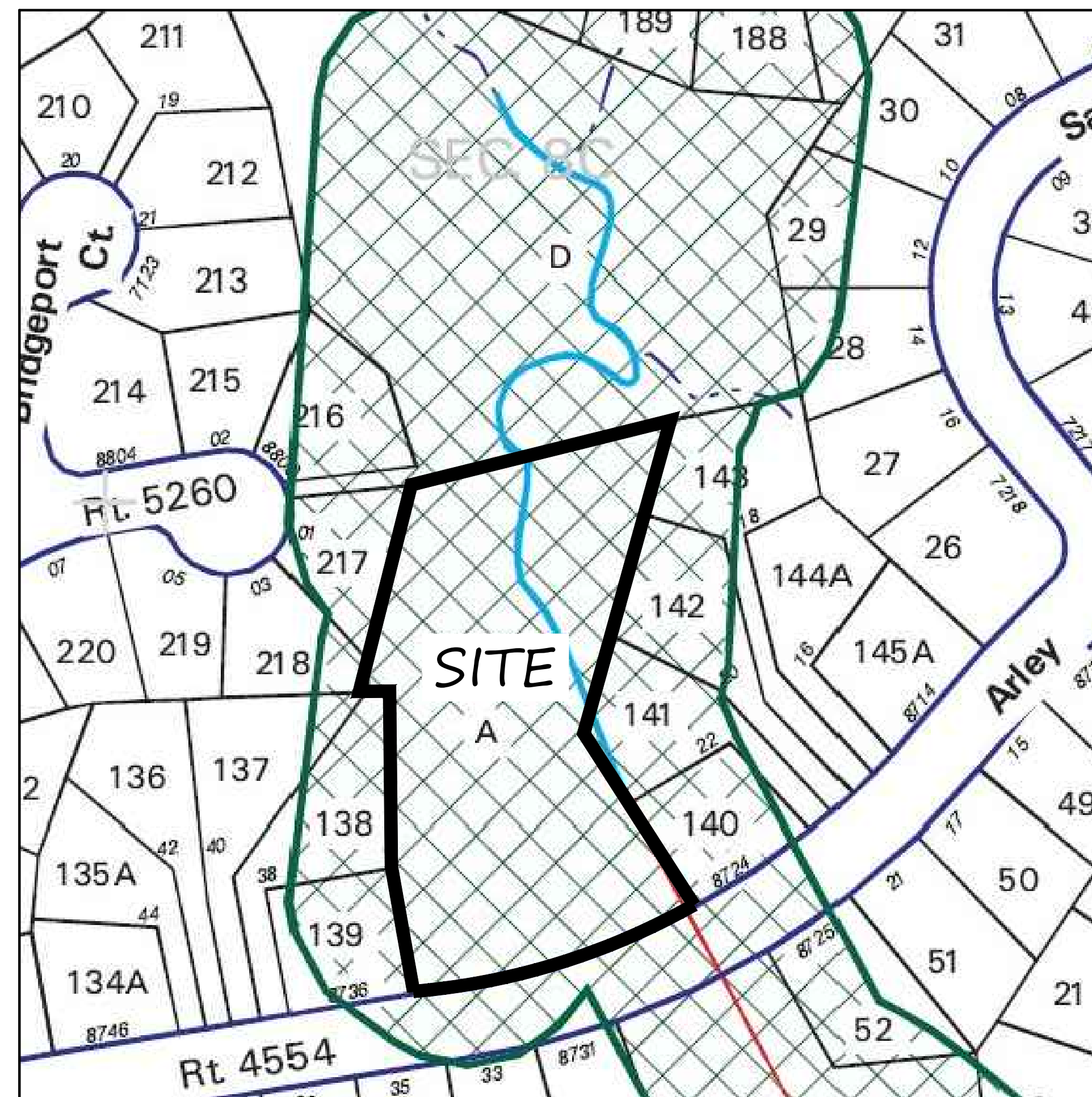
OUTFALL MAP

SCALE: 1" = 200'



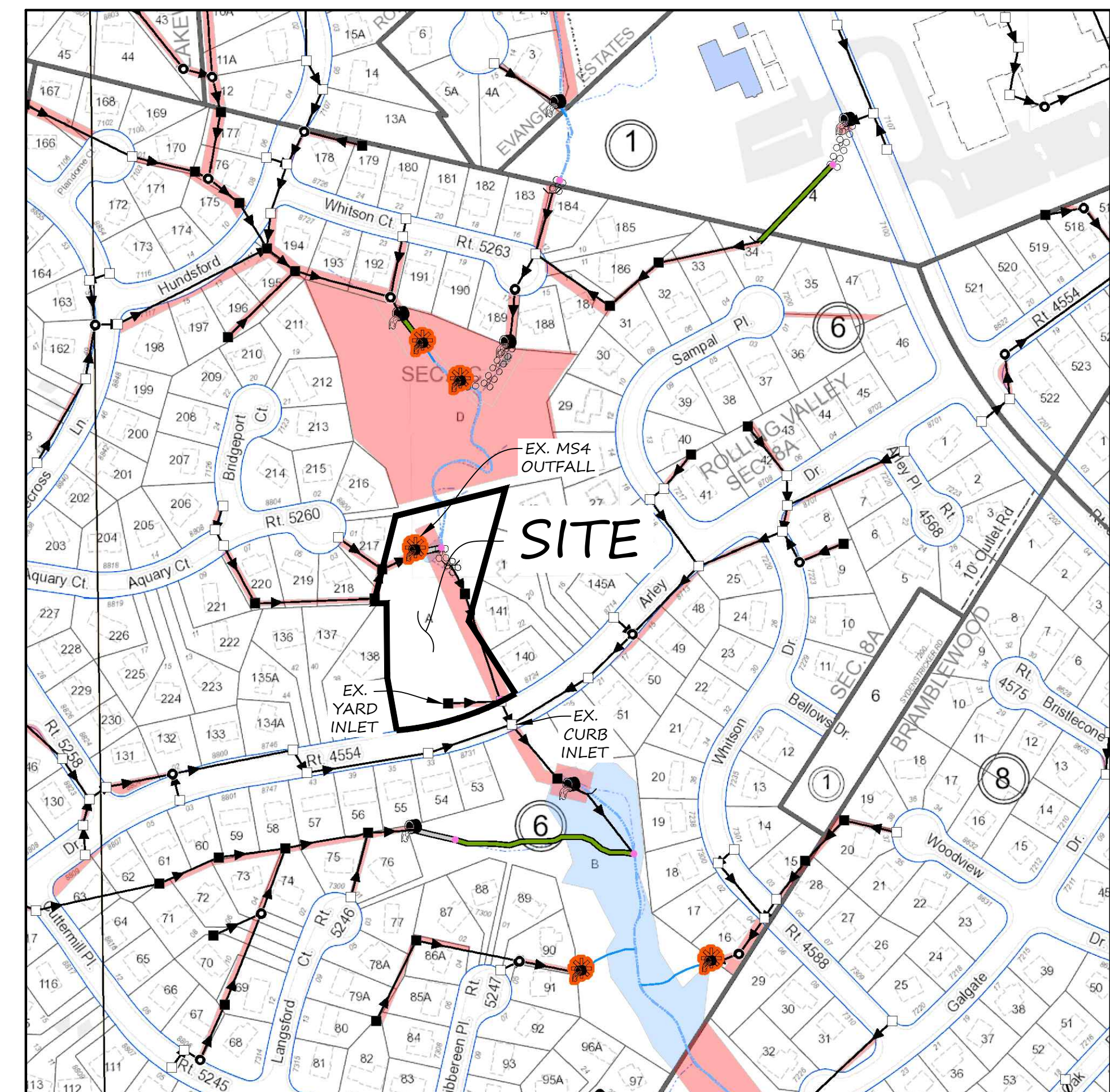
CHESAPEAKE BAY MAP

(NOT TO SCALE)



STORMWATER INLET MAP

SCALE: 1" = 200'



SILT FENCE NOTES

- MATERIALS**
1. SYNTHETIC FILTER FABRIC SHALL BE A PERVIOUS SHEET OF PROPYLENE, NYLON, POLYESTER OR ETHYLENE YARN AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE REQUIREMENTS NOTED IN TABLE 3.05-B.
 2. SYNTHETIC FILTER FABRIC SHALL CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF SIX MONTHS OF EXPECTED USABLE CONSTRUCTION LIFE AT A TEMPERATURE RANGE OF 0° F TO 120° F.
 3. IF WOODEN STAKES ARE UTILIZED FOR SILT FENCE CONSTRUCTION, THEY MUST HAVE A DIAMETER OF 2 INCHES WHEN OAK IS USED AND 4 INCHES WHEN PINE IS USED. WOODEN STAKES MUST HAVE A MINIMUM LENGTH OF 5 FEET.
 4. IF STEEL POSTS (STANDARD "U" OR "T" SECTION) ARE UTILIZED FOR SILT FENCE CONSTRUCTION, THEY MUST HAVE A MINIMUM WEIGHT OF 1.33 POUNDS PER LINEAR FOOT AND SHALL HAVE A MINIMUM LENGTH OF 5 FEET.
 5. WIRE FENCE REINFORCEMENT FOR SILT FENCES USING STANDARD-STRENGTH FILTER CLOTH SHALL BE A MINIMUM OF 14 GAUGE AND SHALL HAVE A MAXIMUM MESH SPACING OF 6 INCHES.

- INSTALLATION**
1. THE HEIGHT OF A SILT FENCE SHALL BE A MINIMUM OF 16 INCHES ABOVE THE ORIGINAL GROUND SURFACE AND SHALL NOT EXCEED 34 INCHES ABOVE GROUND ELEVATION.
 2. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE UNAVOIDABLE, FILTER CLOTH SHALL BE SPICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND SECURELY SEALED.
 3. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4-INCHES WIDE AND 4-INCHES DEEP ON THE UPSLOPE SIDE OF THE PROPOSED LOCATION OF THE MEASURE.
 4. WHEN WIRE SUPPORT IS USED, STANDARD-STRENGTH FILTER CLOTH MAY BE USED. POSTS FOR THIS TYPE OF INSTALLATION SHALL BE PLACED A MAXIMUM OF 10- FEET APART (SEE PLATE 3.05-1). THE WIRE MESH FENCE MUST BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST ONE INCH LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF TWO INCHES AND SHALL NOT EXTEND MORE THAN 34 INCHES ABOVE THE ORIGINAL GROUND SURFACE. THE STANDARD-STRENGTH FABRIC SHALL BE STAPLED OR WIRED TO THE WIRE FENCE, AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
 5. WHEN WIRE SUPPORT IS NOT USED, EXTRA-STRENGTH FILTER CLOTH SHALL BE USED. POSTS FOR THIS TYPE OF FABRIC SHALL BE PLACED A MAXIMUM OF 6- FEET APART (SEE PLATE 3.05-2). THE FILTER FABRIC SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING ONE INCH LONG (MINIMUM) HEAVY-DUTY WIRE STAPLES OR TIE WIRES AND EIGHT INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT BE STAPLED TO EXISTING TREES. THIS METHOD OF INSTALLATION HAS BEEN FOUND TO BE MORE COMMONPLACE THAN #4.
 6. IF A SILT FENCE IS TO BE CONSTRUCTED ACROSS A DITCH LINE OR SWALE, THE MEASURE MUST BE OF SUFFICIENT LENGTH TO ELIMINATE ENDFLOW, AND THE PLAN CONFIGURATION SHALL RESEMBLE AN ARC OR HORSESHOE WITH THE ENDS ORIENTED UPSLOPE (SEE PLATE 3.05-2). EXTRA-STRENGTH FILTER FABRIC SHALL BE USED FOR THIS APPLICATION WITH A MAXIMUM 3-FOOT SPACING OF POSTS.
 7. ALL OTHER INSTALLATION REQUIREMENTS NOTED IN #5 APPLY.
 8. THE 4-INCH BY 4-INCH TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
 9. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

- MAINTENANCE**
1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
 2. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCE RESULTING FROM END RUNS AND UNDERCUTTING.
 3. SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
 4. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
 5. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.

DUST CONTROL
REFER TO STANDARD AND SPECIFICATION 3.39 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.

GENERAL LAND CONSERVATION NOTES

1. NO DISTURBED AREA WHICH IS NOT ACTIVELY BEING WORKED SHALL REMAIN DENUDED FOR MORE THAN 14 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR.
2. ALL E&S CONTROL MEASURES APPROVED WITH THE PHASE ONE E&S CONTROL PLAN SHALL BE PLACED AS THE FIRST STEP IN GRADING.
3. ALL TEMPORARY EARTH BERMS, DIVERSIONS AND SEDIMENT CONTROL DAMS SHALL BE SEEDED AND MULCHED FOR TEMPORARY VEGETATIVE COVER IMMEDIATELY (AS SOON AS POSSIBLE BUT NO LATER THAN 48 HOURS) AFTER COMPLETION OF GRADING. STRAW OR HAY MULCH IS REQUIRED. ALL SOIL STOCKPILES SHALL BE SEEDED AND MULCHED WITHIN 14 DAYS AFTER GRADING.
4. ANY DISTURBED AREA NOT COVERED BY § 11-0406.1 AND NOT PAVED, SODDED OR BUILT UPON BY NOV. 1, OR DISTURBED AFTER THAT DATE, SHALL BE MULCHED IMMEDIATELY WITH HAY OR STRAW MULCH AT THE RATE OF 2 TONS/ACRE AND OVER-SEEDED BY APRIL 15.
5. AT THE COMPLETION OF ANY PROJECT CONSTRUCTION AND PRIOR TO BOND RELEASE, ALL TEMPORARY SEDIMENT CONTROLS SHALL BE REMOVED AND ALL DENUDED AREAS SHALL BE STABILIZED.

TEMPORARY SEEDING NOTES

WHERE ROUGH-GRADED AREAS WILL NOT BE BROUGHT TO FINAL GRADE FOR A PERIOD OF MORE THAN 7 DAYS, TEMPORARY SEEDING SHALL APPLY. REFER TO STANDARD AND SPECIFICATION 3.31 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.

Planting Dates	Species	Rate (lbs./acre)
Sept. 1 - Feb. 15	50/50 Mix of Annual Ryegrass (<i>Lolium multi-florum</i>) & Cereal (Winter) Rye (<i>Secale cereale</i>)	50 - 100
Feb. 16 - Apr. 30	Annual Ryegrass (<i>Lolium multi-florum</i>)	60 - 100
May 1 - Aug 31	German Millet (<i>Setaria italica</i>)	50

Source: Va. DSWC

PERMANENT SEEDING NOTES

PERMANENT VEGETATIVE COVER SHALL BE APPLIED TO AREAS THAT WILL BE LEFT DORMANT FOR A PERIOD OF MORE THAN 1 YEAR. REFER TO STANDARD AND SPECIFICATION 3.32 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.

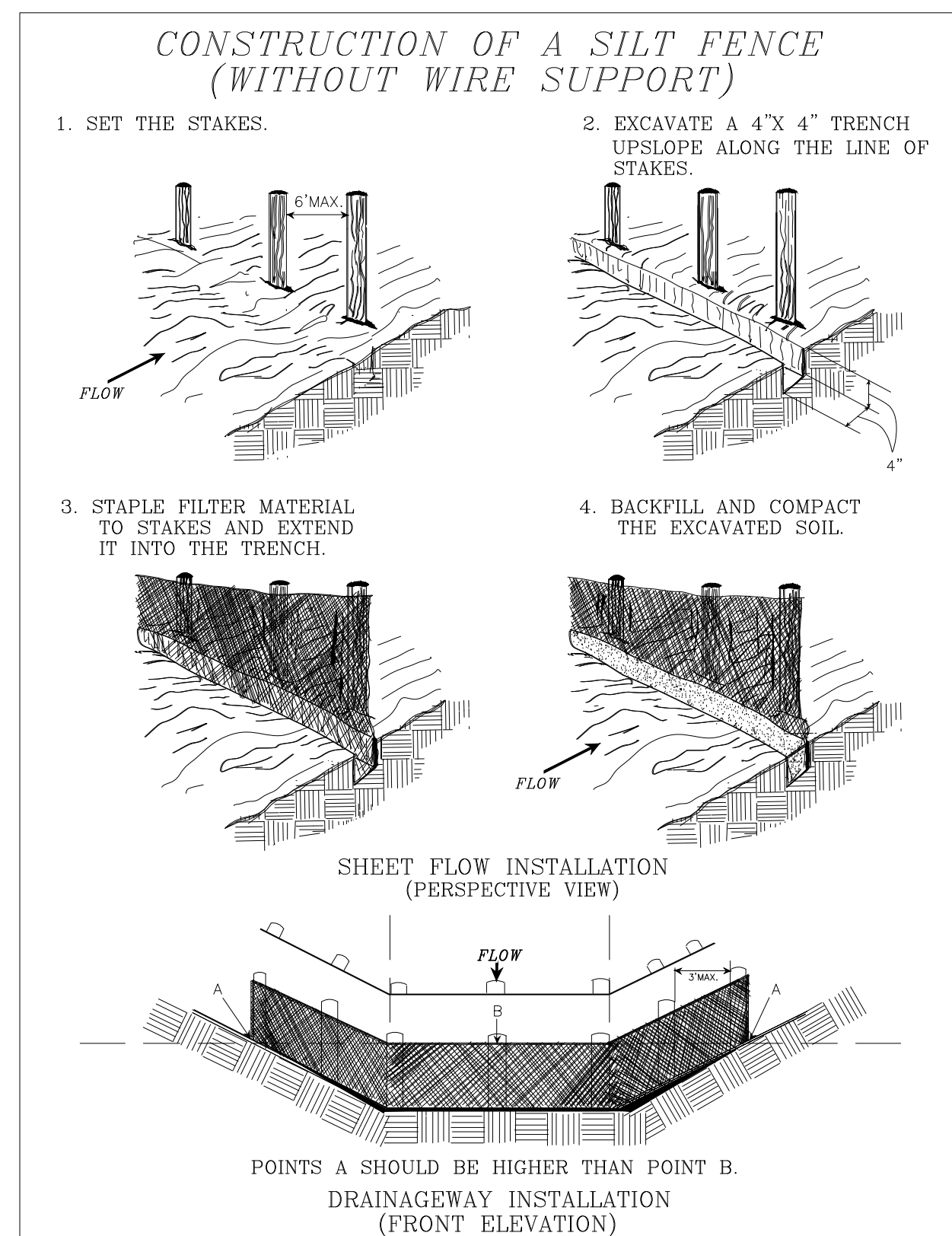
	Total Lbs. Per Acre
Minimum Care Lawn	
- Commercial or Residential	175-200 lbs.
- Kentucky 31 or Turf-Type Tall Fescue	95-100%
- Improved Perennial Ryegrass	0-5%
- Kentucky Bluegrass	0-5%
High-Maintenance Lawn	200-250 lbs.
- Kentucky 31 or Turf-Type Tall Fescue	100%
General Slope (3:1 or less)	
- Kentucky 31 Fescue	128 lbs.
- Red Top Grass	2 lbs.
- Seasonal Nurse Crop *	20 lbs.
	150 lbs.
Low-Maintenance Slope (Steeper than 3:1)	
- Kentucky 31 Fescue	108 lbs.
- Red Top Grass	2 lbs.
- Seasonal Nurse Crop *	20 lbs.
- Crownvetch **	20 lbs.
	150 lbs.

* Use seasonal nurse crop in accordance with seeding dates as stated below:
February 16th through April Annual Rye
May 1st through August 15th Foxtail Millet
August 16th through October Annual Rye
November through February 15th Winter Rye

** Substitute *Sericea lespedeza* for Crownvetch east of Farmville, Va. (May through September use hulled *Sericea*, all other periods, use unhulled *Sericea*). If *Flatpea* is used in lieu of Crownvetch, increase rate to 30 lbs./acre. All legume seed must be properly inoculated. Weeping Lovegrass may be added to any slope or low-maintenance mix during warmer seeding periods; add 10-20 lbs./acre in mixes.

GENERAL EROSION AND SEDIMENT CONTROL NOTES

- ES-1: UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS 4VAC50-30 EROSION AND SEDIMENT CONTROL REGULATIONS.
- ES-2: THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- ES-3: ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING.
- ES-4: A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- ES-5: PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.
- ES-6: THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.
- ES-7: ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
- ES-8: DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.
- ES-9: THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.
- MS 17 EACH CONTRACTOR TO MONITOR THEIR RESPECTIVE CONSTRUCTION VEHICLE ACCESS ROUTE TO MINIMIZE THE TRANSPORT OF SEDIMENT FROM THE SITE ONTO ANY PUBLIC OR PAVED ROADS. ANY SEDIMENT TRACKED ONTO PUBLIC OR PAVED ROADS SHALL BE IMMEDIATELY SWEEPED WITH BROOM BY CONTRACTOR WHO TRACKED SEDIMENT ONTO PAVED SURFACE.



SOURCE: Adapted from Installation of Straw and Fabric Filter Barriers for Sediment Control, VA. DSWC, Sherwood and Wyant. PLATE 3.05-2

FAIRFAX COUNTY PRIORITY RATING FORM FOR EROSION & SEDIMENT CONTROL

PROJECT NAME: SPRINGFIELD STATION HOA PROJECT NUMBER: 19073.01
TAX MAP: 0893-06-A EVALUATOR: BLAKE DEMARR, P.E. DATE: 04/06/20

A. Percentage of Denuded Area to Total Site Area

Rating	Percentage
5	> 60%
3	31 to 60%
1	10 to 30%

If the denuded area is greater than 10 acres, the project is initially rated a high priority.

B. Watercourse Crossing

Rating	Yes/No
5	Yes
0	No

*If yes, project is initially rated a high priority.

C. Distance of Denuded Area to Downstream Adjacent Property

Rating	Distance
5	< 50-feet
3	50 to 150-feet
0	> 150-feet

D. Distance of Any Portion of the Denuded Area to a Natural Watercourse

Rating	Distance
5	< 50-feet
3	50 to 150-feet
0	> 150-feet

E. *Minimum Vegetative Buffer (Trees, Shrubs, Grasses and other Plants)

Rating	Distance
0	< 50-feet
-3	50 to 150-feet
-5	> 150-feet

F. Distance Between the Site Outfall and any Downstream, Wet Pond, Wetland, Parkland or other Land Deemed Environmentally Sensitive by the Director.

Rating	Distance
3	< 2,500-feet
3	2,500 to 5,000-feet
0	> 5,000-feet

G. Critical Slopes Within 50-feet of Adjacent Property

- Are there any slopes of 0 to 7%; greater than or equal to 300-feet in length; or
- Are there any slopes of 7 to 15%; greater than or equal to 150-feet in length; or
- Are there any slopes greater than 15% and greater than or equal to 75-feet in length

Rating	Yes/No
5	Yes
0	No

Not Applicable if critical slope is > 50-feet from adjacent property

H. Soil Erodibility (Based on Physiographic Setting)

Rating	Province
5	Triassic Basin
3	Piedmont Upland
1	Coastal Plain

TOTAL OVERALL RATING: 21

* Vegetation in Resource Protection Areas are not to be included as vegetative buffers for this application.

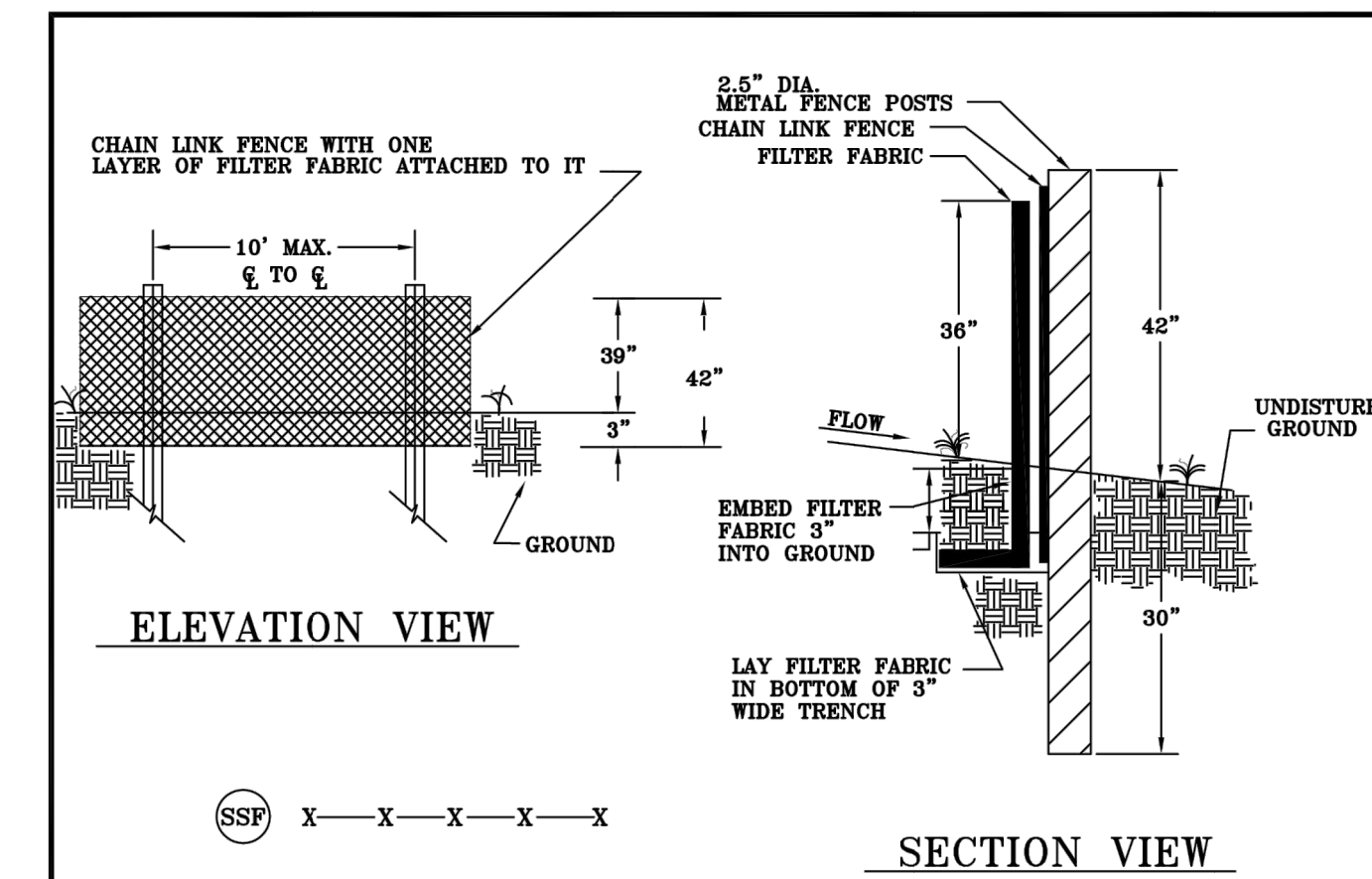
OVERALL RATING
If > 22 High
If > 14 and < or = to 22 Medium
If < or = to 14 Low

PROJECT PRIORITY LEVEL: HIGH

APPROVED BY: _____ DATE: _____
Plan Reviewer

Descriptions on Reverse Side

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



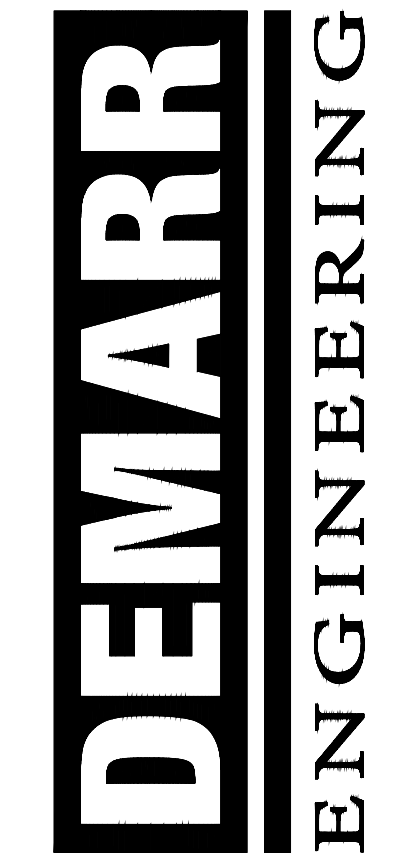
FENCING

Chain link fence shall be 39" above grade with 3" embedded for a total fabric width of 42". The post shall be 42" above grade with 30" placed below grade (without concrete) for a total length of 72".

NOTES

1. Chain link fence shall be fastened securely to fence posts with wire ties.
2. Filter fabric shall be fastened securely to chain link fence with ties spaced horizontally 24" at the top and midsection.
3. Physical properties of the filter fabric shall conform to the latest edition of THE VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK.
4. When two sections of filter fabric adjoin each other, they shall be overlapped by 6".
5. Maintenance shall be performed as needed and material shall be removed when sediment build-up reaches 50% of the height of the super silt fence.

Ref. Sec. 11-0110.3, 11-0110.3J	SUPER SILT FENCE NO SCALE	PLATE NO.	STD. NO.
Rev. 1-00, 2011 Reprint		7-11	



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PROFESSIONAL SEAL

04/16/20
PROGRAM SET:
NOT FOR
SUBMITTAL OR
CONSTRUCTION

SHEET TITLE
EROSION & SEDIMENT
CONTROL NOTES & DETAILS

PROJECT NUMBER: 19073.01

PROJECT NAME AND ADDRESS
ROLLING VALLEY PCL A SEC 8B
SPRINGFIELD STATION HOA
SPRINGFIELD, VA 22153
SPRINGFIELD DISTRICT
FAIRFAX COUNTY, VIRGINIA

DATE: 04/16/20
DESIGNED: JAK
DRAFTED: JAK
VERIFIED: BDD
SCALE: N.T.S.

SHEET NUMBER:
CIV310