

**GENERAL NOTES:**  
**GENERAL CONSTRUCTION NOTES**

- ## **STORMWATER AND ENVIRONMENTAL PROTECTION**

18. THE PROPOSED DEVELOPMENT IS LOCATED WITHIN A CHESAPEAKE BAY PRESERVATION AREA AND IS SUBJECT TO THE GENERAL PERFORMANCE CRITERIA OF SECTION §61-10 OF ARLINGTON COUNTY CODE. THE PROPOSED DEVELOPMENT LIMITS LAND DISTURBANCE, MINIMIZES IMPERVIOUS COVER, AND PRESERVES EXISTING VEGETATION AND TREES TO THE MAXIMUM EXTENT PRACTICABLE CONSISTENT WITH THE PROPOSED USE.

19. TREES SHALL BE PROTECTED PER THE REQUIREMENTS OF ARLINGTON PARKS & RECREATION STANDARD.

20. THE PLANTING OF STREET TREES FOR THIS DEVELOPMENT SHALL BE COORDINATED WITH AND APPROVED BY THE DEPARTMENT OF PARKS & RECREATION, URBAN FORESTRY OFFICE (DPR URBAN FORESTRY). THIS COORDINATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, DEVELOPER OR THEIR ENGINEER. THE DEVELOPER OR CONTRACTOR SHALL CONTACT DPR URBAN FORESTRY AT URBANFORESTRY@ARLINGTONVA.GOV, 72 HOURS IN ADVANCE TO SCHEDULE INSPECTION OF EXCAVATION, PLANT MATERIAL AND INSTALLATION. ADDITIONALLY, PRIOR TO REMOVING OR DISTURBING ANY EXISTING COUNTY TREES CONTACT DPR URBAN FORESTRY FOR INFORMATION AND APPROVAL. REMOVAL OF COUNTY TREES WITHOUT PERMISSION CAN RESULT IN FINES UNDER THE TREE & SHRUB ORDINANCE.

21. UNLESS OTHERWISE DIRECTED, CONTRACTORS ARE EXPRESSLY PROHIBITED FROM OPERATING ANY WATER VALVES OR APPURTENANCES. CONTRACTORS SHALL SUBMIT ALL REQUESTS FOR VALVE OPERATIONS TO THE PROJECT OFFICER AT LEAST 1 WEEK IN ADVANCE OF THE REQUIRED OPERATION.
22. IN THE EVENT OF A WATER OR SEWER EMERGENCY, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE COUNTY'S WATER CONTROL CENTER AT 703-228-6555 AND THE PROJECT OFFICER.
23. THE CONTRACTOR SHALL COORDINATE ALL UTILITY SHUTOFFS, DISCONNECTS, AND/OR ABANDONMENT WITH UTILITY OWNER AND PROJECT OFFICER AT LEAST 1 WEEK IN ADVANCE OF THE REQUIRED INTERRUPTION.
24. ALL SANITARY CLEAN-OUTS LOCATED WITHIN THE TRAVEL WAY OR PARKING LOT OF THIS DEVELOPMENT SHALL BE CAST IRON.
25. THE DEVELOPER OR CONTRACTOR SHALL NOTIFY MISS UTILITY AT 811 48 HOURS PRIOR TO THE START OF ANY EXCAVATION OR CONSTRUCTION FOR THE MARKING OF UNDERGROUND UTILITIES.

26. ALL EXISTING FIRE HYDRANTS AND FIRE DEPARTMENT CONNECTIONS SHALL BE MAINTAINED UNOBSTRUCTED AND ACCESSIBLE AT ALL TIMES IN ACCORDANCE WITH SECTIONS 508.5.4 AND 508.5.5 OF THE ARLINGTON COUNTY FIRE PREVENTION CODE.

(N.T.S.)

(INSERT NORTH ARROW)

PROJECT NAME  
PROJECT ADDRESS  
SWM#

I HEREBY CERTIFY THAT NO CHANGES HAVE BEEN MADE TO THE STANDARD TEMPLATE DESIGN NOTES, SPECIFICATIONS OR DETAILS AND THAT NO CHANGES HAVE BEEN MADE TO THE DESIGN CALCULATIONS USING THE STANDARD TEMPLATE. ANY EXCEPTIONS ARE LISTED BELOW AND WILL BE REVIEWED FOR APPROVAL (LIST N/A FOR NONE):

DESIGNER \_\_\_\_\_

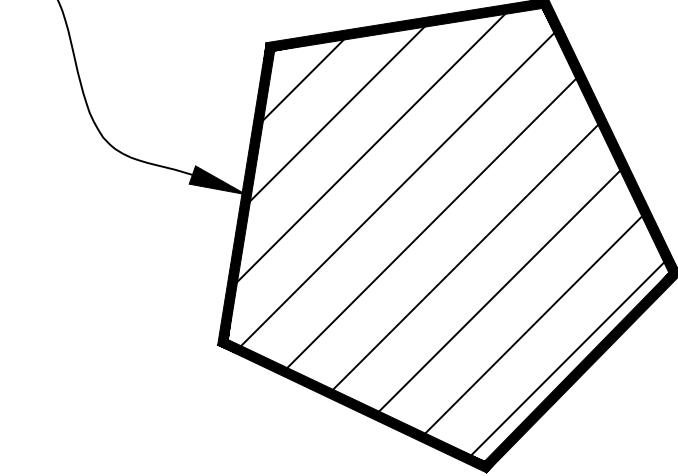
NAME \_\_\_\_\_ DATE \_\_\_\_\_

<b><u>ENGINEER:</u></b>	<b><u>OWNER:</u></b>	<b><u>DEVELOPER:</u></b>
NAME	NAME	NAME
ADDRESS	ADDRESS	ADDRESS
ADDRESS	ADDRESS	ADDRESS
TELEPHONE	TELEPHONE	TELEPHONE
EMAIL	EMAIL	EMAIL
ATTN	ATTN	ATTN

# LOT COVERAGE

(INSERT NORTH ARROW)

# SITE



(INSERT SCALE)

[illegible]

CHANGES TO THE AS-BUILT GRADING PLAN AFTER ISSUANCE OF A CERTIFICATE OF OCCUPANCY THAT ALTER POST-CONSTRUCTION DRAINAGE PATTERNS WILL REQUIRE AN LDA PLAN REVISION.

VERTICAL DATUM:  
ALL PLANS SHALL BE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). THE FOLLOWING  
NOTE SHOULD BE PRESENT ON THE COVER SHEET: "THE SITE SHOWN HEREON IS REFERENCED TO THE NORTH  
AMERICAN VERTICAL DATUM OF 1988 AS COMPUTED FROM A FIELD RUN VERTICAL CONTROL SURVEY."

COVER SHEET

EXISTING CONDITIONS & DEMOLITION NOTES

1. THE PROPERTY SHOWN HEREON APPEARS ON ARLINGTON COUNTY REAL PROPERTY IDENTIFICATION MAP NUMBER ####, AS REAL PROPERTY CODE (RPC) NUMBER ####, AND IS ZONED ####.
2. THE PROPERTY, BEING COMPRISED OF LOT(S) ####, RECORDED IN DEED BOOK #### AT PAGE ####, UNDER THE NAME OF (INSERT PLAT TITLE) AMONG THE LAND RECORDS OF ARLINGTON COUNTY, VIRGINIA.
- OR
- THE PROPERTY, BEING COMPRISED OF LOT(S) ####, RECORDED IN INSTRUMENT NUMBER ####, UNDER THE NAME OF (INSERT PLAT TITLE) AMONG THE LAND RECORDS OF ARLINGTON COUNTY, VIRGINIA.
3. THIS BOUNDARY / TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF THE COUNTY SURVEY SECTION FROM AN ACTUAL GROUND SURVEY PREPARED BY XXXX, DATED ##/##/####, LAST REVISED ##/##/####.
- OR
- THE IMAGE AND/OR ORIGINAL DATA WAS OBTAINED FROM #### TO ####; AND THIS PLAT, MAP OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.
4. THE TOTAL AREA OF THE PROPERTY IS #### SF (#### AC).
5. THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE RATE MAP FOR ARLINGTON COUNTY, VIRGINIA, MAP NUMBER ####, EFFECTIVE DATE ##/##/####, DESIGNATES THE PROPERTY AS BEING LOCATED IN ZONE ##, (ZONE DESCRIPTION).
6. THE SOIL TYPES LOCATED WITHIN THE BOUNDARY OF THE PROPERTY ARE XXXX, PER THE ARLINGTON COUNTY, VIRGINIA SOIL SURVEY. THE HYDROLOGICAL SOIL GROUP RATING IS XX.
7. IN ACCORDANCE WITH ARLINGTON COUNTY, VIRGINIA STREAMS, WATERSHEDS, AND RESOURCE PROTECTION AREAS MAP, THE PROPERTY IS / IS NOT LOCATED WITHIN A RESOURCE PROTECTION AREA.

EXISTING CONDITIONS & DEMOLITION NOTES

TEXT SIZE TO BE NO LESS THAN 0.10

THIS BOX IS  
BASED OFF  
ENGINEERING  
PLANS  
SUBMITTED FOR  
REVIEW.

SURVEY NOTE

1. THIS (PROVIDE DESCRIPTION OF THE PROJECT) WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF (NAME OF PROFESSIONAL) FROM AN ACTUAL, GROUND OR AIRBORNE (DELTE NON-APPLICABLE) SURVEY MADE UNDER MY SUPERVISION; THAT THE IMAGERY AND/OR ORIGINAL DATA WAS OBTAINED ON (DATE); AND THAT THIS PLAT, MAP, OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.

ENGINEER'S NOTES

1. TEXT SIZE TO BE NO LESS THAN 0.10

(INSERT NORTH ARROW)

LEGEND

EROSION AND SEDIMENT CONTROL LEGEND

C-SCM-3	TEMPORARY STONE CONSTRUCTION ENTRANCE	CE	
C-SCM-13	CONCRETE WASHOUT	CW	
C-PCM-04	SILT FENCE	SF	
C-SSM-01	TREE PRESERVATION AND PROTECTION	TP	
C-SSM-09	TEMPORARY SEEDING	TS	
C-SSM-10	PERMANENT SEEDING	PS	
	LIMITS OF DISTURBANCE		

EXISTING

LOD LOD LIMITS OF DISTURBANCE  
 PROPERTY LINE  
 EXISTING BUILDING

DEMO

DEMOLITION AREA

DEMOLITION PLAN / EROSION &  
SEDIMENT CONTROL PLAN

(INSERT SCALE)



WATER METER NOTES

- REFER TO THE COUNTY'S CONSTRUCTION STANDARDS MANUAL.
- THE DEPARTMENT OF ENVIRONMENTAL SERVICES SHALL APPROVE ALL WATER METER LOCATIONS. WATER METERS SHALL BE LOCATED IN THE UTILITY STRIP OR JUST BEHIND THE CURB WITHIN PUBLIC RIGHT-OF-WAY OR RECORDED EASEMENTS AND A MINIMUM OF 5 FEET HORIZONTALLY CLEAR FROM OTHER UTILITIES, APRONS, STRUCTURES, OR TREES.
- THE LOCATION OF THE WATER SERVICES AND SANITARY SEWER LATERAL SHALL BE SHOWN AND THEIR CONNECTION TO THE VARIOUS MAINS.
- FOR A NEW DEVELOPMENT WITH A NEW BUILDING OR FOR ADDITIONS THAT WILL UPGRADE TO MORE THAN 3 TOILETS (WCs), THE WATER METER AND SERVICE LIE SHALL HAVE AS EXISTING, OR BE UPGRADED TO A MINIMUM 3/4" AND 1", RESPECTIVELY.
- PER 2012 IRC P2902 – A BWV (BACKFLOW PREVENTER VALVE) AND 1" WATER SERVICE WILL BE INSTALLED EITHER INSIDE THE PROPOSED BUILDING OR BETWEEN THE PROPOSED BUILDING TO THE WATER METER.
- THE SEGMENT OF WATER SERVICE LATERAL (METER TO MAIN) TO BE INSTALLED BY ARLINGTON COUNTY DES UPON PAYMENT OF APPROPRIATE FEES.
- THE PROPOSED WATER SERVICE LATERAL FROM THE METER TO THE BUILDING IS PRIVATELY MAINTAINED. THE METER & SERVICE FROM METER TO MAIN IS PUBLICLY MAINTAINED. THE SANITARY SERVICE LATERAL IS ALSO PRIVATELY MAINTAINED.
- WATER METER SHALL NOT BE LOCATED ON PRIVATE PROPERTY. IN THE ABSENCE OF A SIDEWALK OR SPACE OUTSIDE THE PROPERTY, AN EASEMENT OF 5 FEET BY 5 FEET SHALL BE GRANTED TO THE COUNTY FOR METER LOCATED ON PRIVATE PROPERTY.
- THE LOCATION OF THE PROPOSED WATER METER AND SERVICE SHALL BE STAKED OUT, CLEARLY IDENTIFIED BY MARKING. THIS INFORMATION SHALL BE PROVIDED TO WSS PRIOR TO THE INSTALLATION OF THE WATER METER AND SERVICE.
- A MINIMUM OF 5 FEET COPPER LINE AND FITTINGS IS REQUIRED FROM THE METER TO THE DOMESTIC LINE CONNECTION. NO OTHER PIPE OR FITTING TYPES SHALL BE CONNECTED WITHIN THIS LOCATION.
- THE OWNER OR PERMIT HOLDER OR REPRESENTATIVE THEREOF SHALL BE RESPONSIBLE TO REPAIR/RESTORE ALL STREETSCAPE ELEMENTS WITHIN THE ROW FROM THE METER TO THE PROPERTY LINE. ARLINGTON COUNTY OR ITS REPRESENTATIVE THEREOF SHALL ONLY BE RESPONSIBLE FOR FULL REPLACEMENT OF THE ROW ELEMENTS FROM THE METER TO THE MAIN.
- THE PROPOSED/EXISTING WATER SERVICE LINE FROM THE BUILDING TO THE METER IS PRIVATELY MAINTAINED. THE WATER METER & SERVICE LINE FROM METER ARE TO BE PUBLICLY MAINTAINED.
- SPACE RESERVED FOR ADDITIONAL WATER METER NOTES

SANITARY NOTES

- THE PROPOSED/EXISTING SANITARY LATERALS FROM THE PROPERTY TO THE MAIN ARE PRIVATELY MAINTAINED.
- SANITARY LATERAL AND TAP CARD REQUIREMENTS:
  - AT THE TIME THE SANITARY SEWER LATERAL IS PHYSICALLY CONNECTED TO THE PUBLIC SEWER, IT MUST BE WITNESSED BY AN ARLINGTON COUNTY INSPECTOR.
- REQUIREMENTS FOR THE SANITARY SEWER TAP INSPECTION:
  - THE EXISTING SANITARY SEWER LATERAL CAN BE REUSED IF FOUND TO BE IN GOOD CONDITION UPON INSPECTION AND APPROVAL BY THE ARLINGTON COUNTY PLUMBING INSPECTOR. IF IT IS DETERMINED THAT THE EXISTING LATERAL CANNOT BE RE-USED, IT SHALL BE CAPPED OFF AT THE SEWER MAIN BY THE OWNER'S PLUMBING CONTRACTOR. A NEW LATERAL SHALL BE REQUIRE FROM THE HOUSE TO THE MAIN. THE CONTRACTOR IS RESPONSIBLE FOR CALLING THE PLUMBING INSPECTOR AT (703) 228-3800 TO SET AN APPOINTMENT FOR LATERAL INSPECTION.
  - THE OWNER IS RESPONSIBLE TO PROVIDE PROOF OF THE EXISTING LATERAL CONDITION. THIS CAN BE VIA A CERTIFIED TV INSPECTION, TO BE PERFORMED AT THE INSPECTION. THE ALTERNATIVE IS TO REPLACE THE LATERAL FROM THE PROPERTY TO THE MAIN.
  - IF AFTER THE APPROVAL OF THE PROPOSED DEVELOPMENT PLAN AND DURING CONSTRUCTION, THE LOCATION OF THE LATERAL IS CHANGED, A REVISION OR AS-BUILT PLAN SHALL BE REQUIRED TO BE SUBMITTED TO THE COUNTY PRIOR TO THE APPROVAL OF ADDITIONAL PERMITS TO INCLUDE THE CERTIFICATE OF OCCUPANCY.
- REQUIREMENTS FOR THE SANITARY SEWER TAP CARD:
  - A SEWER TAP CARD IS REQUIRED FOR THE SEWER LATERAL CONNECTING TO THE COUNTY SEWER MAIN. THE SEWER TAP CARD FORM MUST BE FILLED OUT BY THE PLUMBING CONTRACTOR AND SUBMITTED TO THE COUNTY PLUMBING INSPECTOR, SHOWING DETAILS OF THE SEWER LATERAL CONNECTION. THE INFORMATION MUST INCLUDE:
    - A DIAGRAM SHOWING A LAYOUT/ORIENTATION OF THE CONNECTION FROM THE PROPERTY LINE TO THE SEWER MAIN.
    - THE DISTANCE/LENGTH FROM THE CLOSEST MANHOLE TO THE LATERAL TAP LOCATION ON THE SEWER MAIN.
    - THE INVERT OR CROWN ELEVATION AT THE SEWER MAIN AND SEWER LATERAL CONNECTION MEASURED FROM A REFERENCED SURFACE (WHERE APPLICABLE FOR NEW TAP ONLY).
    - THE INVERT (DEPTH) AT THE PROPERTY LINE WHERE THE SEWER LATERAL CROSSES FROM THE RIGHT-OF-WAY INTO THE PROPERTY.
    - THE INVERT (DEPTH) AT THE FIRST CLEAN OUT ON THE PROPERTY (WHERE APPLICABLE)
    - ADD INVERT & TOP ELEVATIONS AT THE TWO SANITARY MANHOLES ASSOCIATED WITH THE TAP CARD.
    - FOR TEMPORARY CAPOFF ONLY, THE SANITARY SEWER LATERAL SHALL BE CAPPED AT THE PROPERTY LINE.
- SPACE RESERVED FOR ADDITIONAL SANITARY NOTES

GRADING PLAN

GRADING PLAN GENERAL NOTES

- ANY WORK WITHIN THE RIGHT OF WAY REQUIRES AN EXCAVATION PERMIT.
- THE PERMIT HOLDER OR REPRESENTATIVE THEREOF SHALL BE RESPONSIBLE TO REPAIR/RESTORE ALL STREETSCAPE ELEMENTS WITHIN THE ROW THAT ARE DAMAGED AS A RESULT OF CONSTRUCTION. RESTORATION SHALL BE REQUIRED AT THE INSPECTOR'S DISCRETION.
- THIS PLAN WILL BE USED FOR CONSTRUCTION ONCE IT IS APPROVED. THEREFORE LOCATION OF ALL EXISTING AND PROPOSED UTILITIES NEEDS TO BE SURVEYED, TEST PITTED AND SHOWN ON THE DETAILED DESIGN PLANS FOR REVIEW/APPROVAL IN ADVANCE OF ANY CONSTRUCTION.
- SPACE RESERVED FOR ADDITIONAL GRADING PLAN GENERAL NOTES

DRY UTILITY NOTES

- UNDERGROUNDING OVERHEAD UTILITIES - IF THE OVERHEAD WIRES ARE TO BE UNDERGROUNDED IN THE FINAL CONDITION, DES RECOMMENDS SHOWING THE UTILITY POLES, LEAVING A PATH FOR CONDUITS AND CONTACTING A MEMBER OF THE DOMINION ENERGY DESIGN TEAM. TO ASSIST DOMINION IN OBTAINING THEIR EXCAVATION PERMIT AND PROVIDING POWER TO THE SITE, THE APPROVED LAND DISTURBING ACTIVITY (LDA) PERMIT SHOULD BE PROVIDED TO THE DOMINION DESIGN TEAM.
- SPACE RESERVED FOR ADDITIONAL DRY UTILITY NOTES

(INSERT NORTH ARROW)

(INSERT NORTH ARROW)

OFFSITE DRAINAGE  
AREA MAP

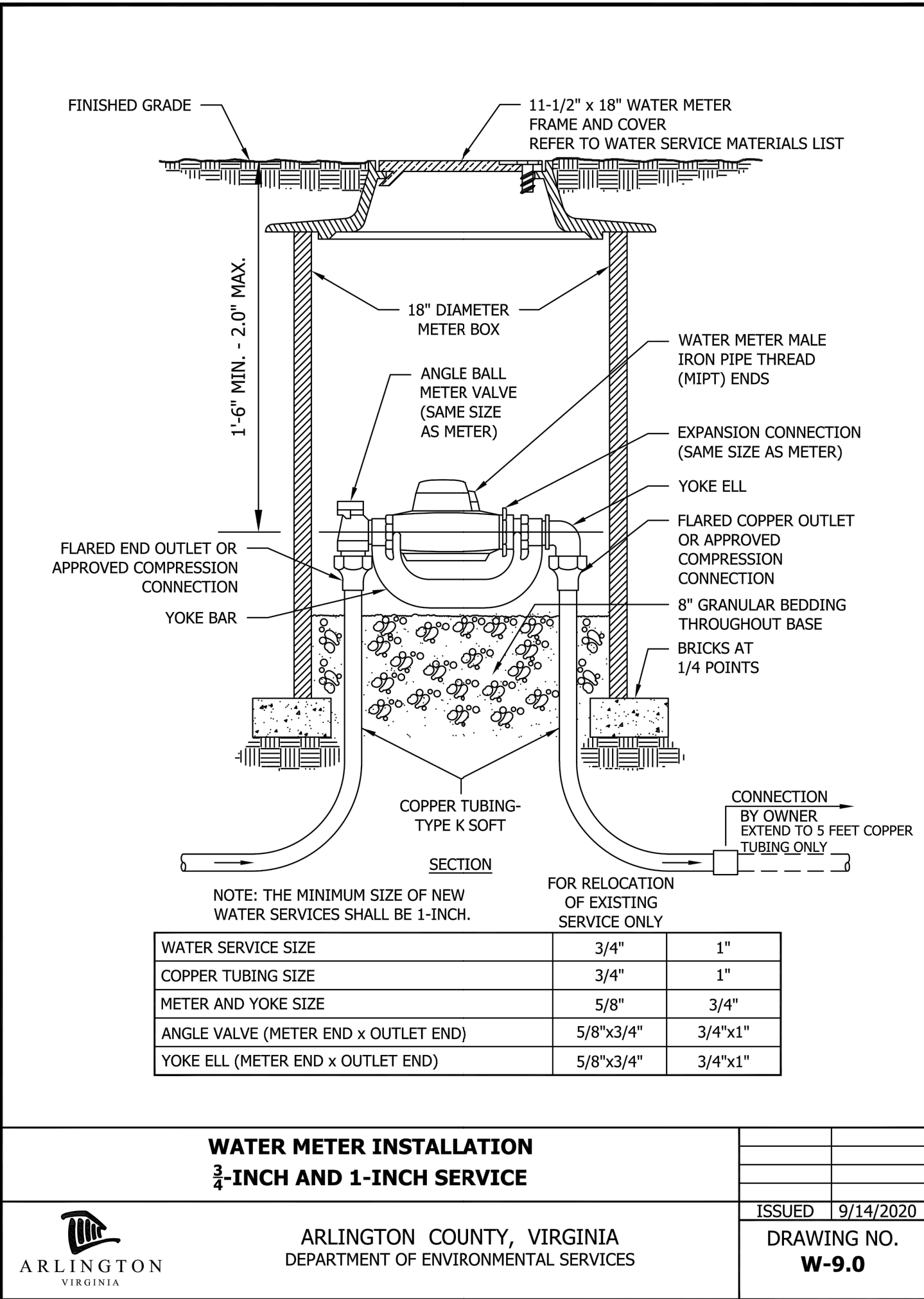
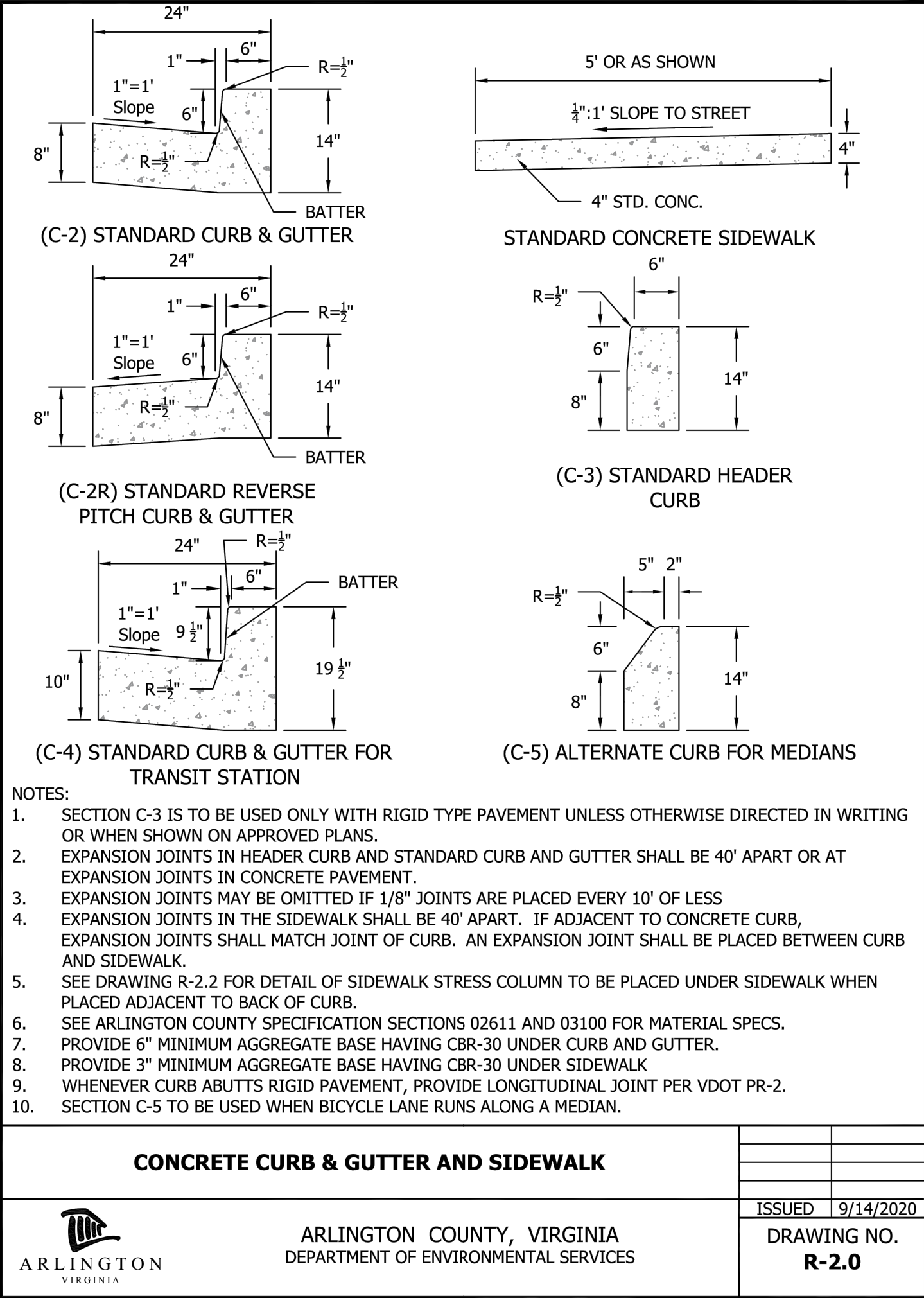
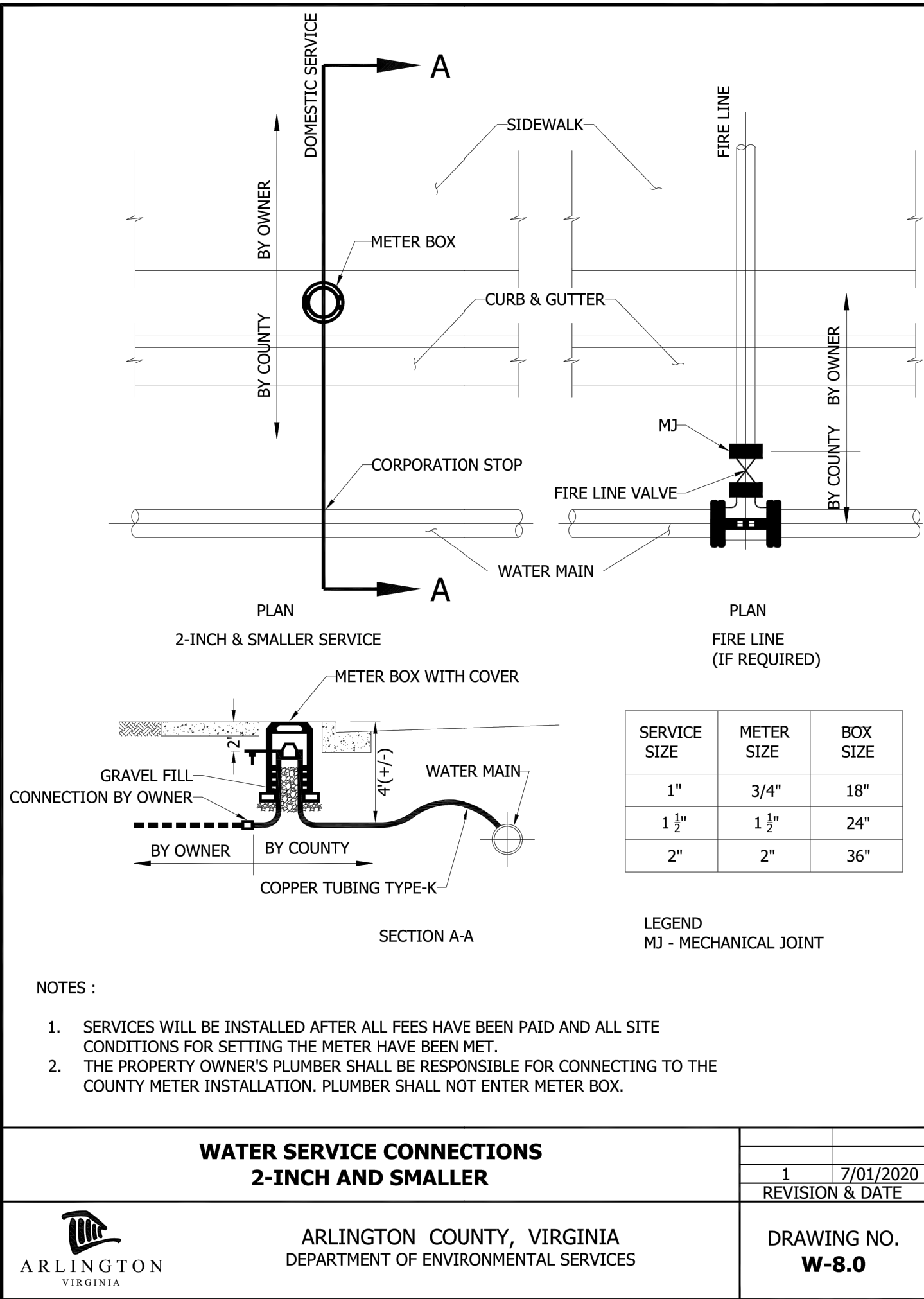
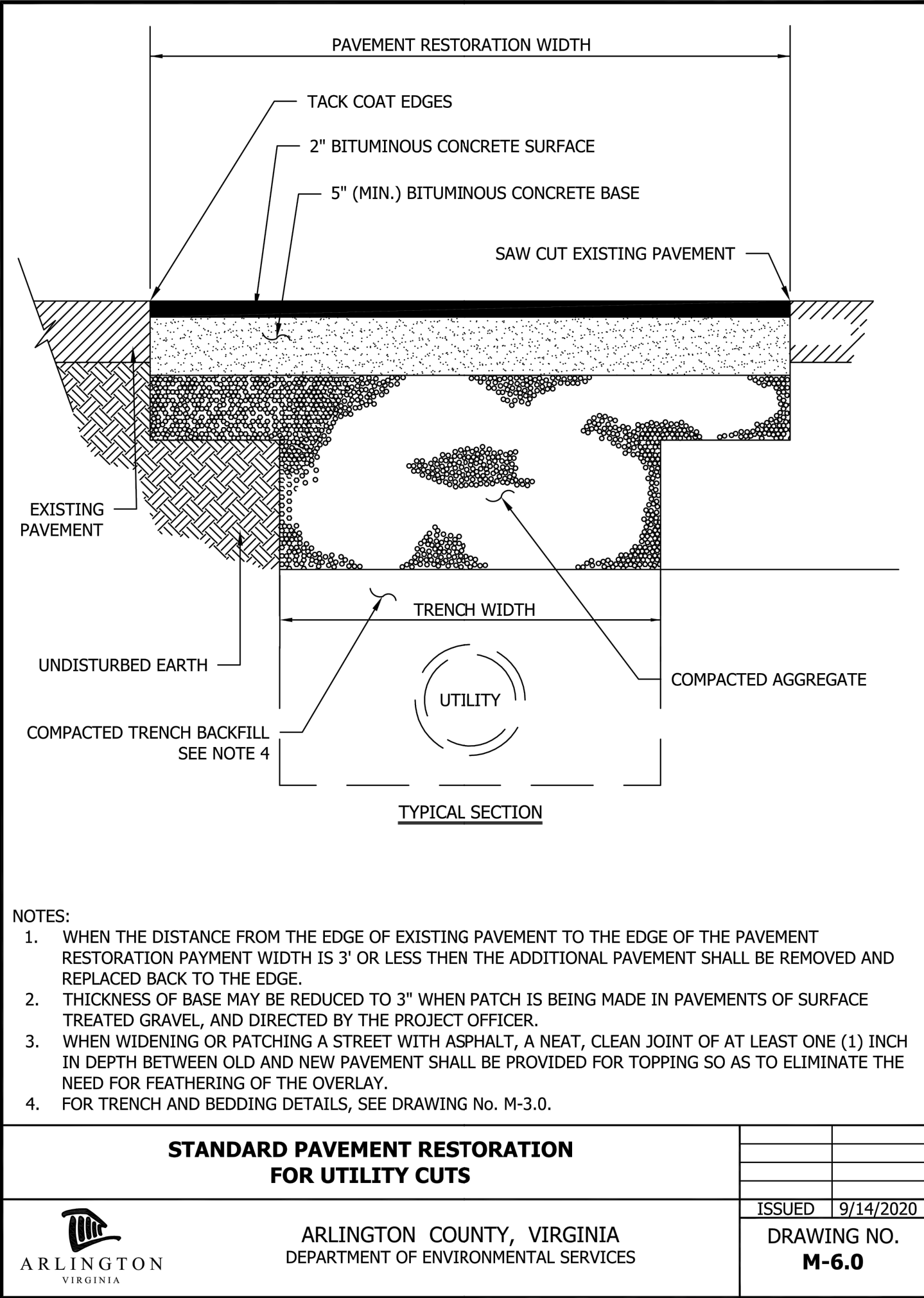
(INSERT SCALE)

LEGEND

EXISTING	PROPOSED

GRADING PLAN

(INSERT SCALE)



## DRIVEWAY DETAIL R-2.4 PAGE 1

## DRIVEWAY DETAIL R-2.4 PAGE 2



REVISED: May 29, 2025

## EROSION AND SEDIMENT CONTROL NARRATIVE

### PROJECT DESCRIPTION:

IDENTIFY THE LOCATION OF THE PROJECT, DISTURBANCE AREA, WATERSHED, GOAL OF THE PROJECT, AND ANY OTHER PROJECT RELATED INFORMATION.

### EXISTING SITE CONDITIONS:

IDENTIFY LOCATION OF THE PROJECT, FIELD CONDITIONS, ROAD INFORMATION, ETC.

### ADJACENT PROPERTIES:

IDENTIFY THE ADJACENT PROPERTY USES, FIELD CONDITIONS AND SPECIAL CONDITIONS THAT THE CONTRACTOR SHOULD BE AWARE OF.

### OFF-SITE AREAS:

IDENTIFY OFFSITE DISTURBANCE AREAS, CONTRACTOR LAYDOWN AREAS AND POTENTIAL PARKING AREAS (IF NEEDED)

### EROSION AND SEDIMENT CONTROL MEASURES:

THE EROSION AND SEDIMENT CONTROL MEASURES FOR THIS PROJECT AREA INCLUDE SAFETY FENCE, SILT FENCE AND CONSTRUCTION ENTRANCE. (REVISE AS NEEDED)

### PERMANENT STABILIZATION:

ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH GRASS OR SOD. SEE THE PROPOSED PLANS FOR ADDITIONAL INFORMATION.

### STORMWATER RUNOFF CONSIDERATIONS:

TOTAL LAND DISTURBANCE.....= XXXXXX SF (X.XXXX ACRES)

PRE-IMPROVEMENT IMPERVIOUS AREA....= XXXXXX SF (X.XXXX ACRES)

POST-IMPROVEMENT IMPERVIOUS AREA...= XXXXXX SF (X.XXXX ACRES)

INCREASED IMPERVIOUS AREA.....= XXXXXX SF (X.XXXX ACRES)

### SOILS INFORMATION:

THE FOLLOWING SOILS ARE FOUND ON SITE (SEE SOILS MAP ON SHEET 1. (COVER SHEET) FOR LOCATION)

SOIL#: SOIL NAME: HYDROLOGIC GROUP: ERODABILITY:

12 URBAN LAND-UDORTHENTS VARIES N/A

### CRITICAL AREAS:

THERE ARE NO STEEP SLOPES OR CRITICAL AREAS LOCATED WITHIN THE LIMITS OF DISTURBANCE. (REVISE IF NEEDED)

FLOODPLAIN, RPA, AND STEEP SLOPE STATEMENTS			
	YES	NO	COMMENT
FLOODPLAIN			
RPA*			
STEEP SLOPES			

\*IF PROJECT IS LOCATED IN A RESOURCE PROTECTION AREA, SEE SECTION 2.b.a. AND 2.b.b. UNDER VEGETATIVE PRACTICES FOR SPECIFIC RPA PLANTING MIX GUIDANCE.

### EROSION & SEDIMENT CONTROL PROJECT PHASING

#### 1. PHASE I:

- THE LIMITS OF CLEARING, GRADING, OR DISTURBANCE SHALL BE CLEARLY DELINEATED WITH CONTINUOUS FLAGGING RIBBON AS DETERMINED BY A LICENSED SURVEYOR. INCLUDE DELINEATIONS OF THE 100-YEAR FLOODPLAIN, RESOURCE PROTECTION AREA, AND EXISTING UTILITY EASEMENTS IF APPLICABLE.
- REQUEST A PRE-CONSTRUCTION MEETING WITH THE ARLINGTON COUNTY STORMWATER MANAGEMENT INSPECTOR, URBAN FORESTER, PROJECT OFFICER, CONTRACTOR, RESPONSIBLE LAND DISTURBER.
- INSTALL THE TEMPORARY CONSTRUCTION ENTRANCE IN THE LOCATION SHOWN ON THE ESC PLAN. MUD AND DEBRIS SHALL BE WASHED FROM ALL TRUCKS PRIOR TO EXITING THE SITE. ROADWAYS SHALL BE ROUTINELY SWEEPED PRIOR TO ANY WASHING OR FLUSHING.
- INSTALL TREE PROTECTION (TP) MEASURES AND SIGNAGE AS SHOWN ON THE ESC AND TREE PROTECTION PLANS.
- INSTALL REMAINING PERIMETER CONTROL MEASURES AND STORM DRAIN INLET PROTECTION AS SHOWN ON THE ESC PLAN.
- OBTAIN APPROVAL FROM THE STORMWATER MANAGEMENT INSPECTOR AND URBAN FORESTER FOR THE INSTALLED ESC AND TP MEASURES PRIOR TO THE START OF CONSTRUCTION OR DEMOLITION ACTIVITIES.

#### 2. PHASE II:

- COMMENCE WITH DEMOLITION, EXCAVATION, ROUGH GRADING, INSTALLATION OF UNDERGROUND UTILITIES, INSTALLATION OF INFRASTRUCTURE ITEMS, AND OTHER SITE WORK AND IMPROVEMENT ACTIVITIES.
- ONCE THE SITE IS BOUGHT TO NEAR FINAL GRADE, APPLY TEMPORARY SOIL SURFACE STABILIZATION MEASURES.
- THE CONTROL MEASURES MAY NOT BE REMOVED UNTIL A PERMANENT VEGETATIVE COVER HAS BEEN ESTABLISHED ON ALL PREVIOUSLY DISTURBED AREAS. PERMANENT VEGETATION WILL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT IS UNIFORM, MATURE ENOUGH TO SURVIVE, AND WILL INHIBIT EROSION. CONTROL MEASURES MAY ONLY BE REMOVED WITH APPROVAL OF BOTH THE COUNTY STORMWATER MANAGEMENT INSPECTOR AND URBAN FORESTER.

### EROSION & SEDIMENT CONTROL PROJECT NOTES

SPACE TO ADD PROJECT-SPECIFIC NOTES, IF APPLICABLE

## 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 VIRGINIA STORMWATER MANAGEMENT HANDBOOK AND THE ARLINGTON COUNTY EROSION AND STORMWATER MANAGEMENT ORDINANCE (CH. 60). THE MINIMUM STANDARDS OF THE VIRGINIA STORMWATER MANAGEMENT HANDBOOK SHALL BE ADHERED TO UNLESS OTHERWISE WAIVED OR APPROVED BY A VARIANCE.

THE STORMWATER MANAGEMENT INSPECTOR SHALL HAVE THE AUTHORITY TO ADD, MODIFY, OR DELETE CONSTRUCTION BMPs AS NEEDED IN THE FIELD. ALL APPROVED FIELD CHANGES SHALL BE DOCUMENTED IN THE SWPPP AMENDMENT LOG.

### 1. STRUCTURAL PRACTICES

- TEMPORARY CONSTRUCTION ENTRANCE - VA SWM HANDBOOK C-SCM-03
  - A TEMPORARY CONSTRUCTION ENTRANCE WITH A WASH RACK SHALL BE INSTALLED AT THE EXISTING ACCESS POINT TO THE SITE. DURING MUDDY CONDITIONS, DRIVERS OF CONSTRUCTION VEHICLES WILL BE REQUIRED TO WASH THEIR WHEELS BEFORE RE-ENTERING THE LOCAL ROADWAYS.
  - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY OR OTHER PAVED AREAS.
  - ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
  - THE USE OF WATER TRUCKS TO REMOVE MATERIALS DROPPED, WASHED, OR TRACKED INTO ROADWAYS WILL NOT BE PERMITTED UNDER ANY CIRCUMSTANCES.
- SILT FENCE - VA SWM HANDBOOK C-PCM-04
  - SILT FENCE WILL BE INSTALLED WITH THE ESC PLAN TO FILTER RUNOFF FROM DISTURBED AREAS. RUNOFF SHALL NOT BE DIRECTED PARALLEL TO THE INSTALLATION OF SILT FENCE.
  - SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
  - CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCE RESULTING FROM UNDERCUTTING.
  - SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE, THE FABRIC SHALL BE REPLACED IMMEDIATELY.
  - SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
  - ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, THEN PREPARED AND SEEDED.
- STORM DRAIN INLET PROTECTION - VA SWM HANDBOOK C-SCM-04
  - ALL EXISTING & PROPOSED STORM SEWER INLETS WITHIN THE PROJECT LIMITS SHALL BE PROTECTED DURING CONSTRUCTION. SEDIMENT-LADEN WATER SHALL BE FILTERED BEFORE ENTERING THE STORM SEWER INLETS. INLETS MUST NOT CAUSE FLOODING.
  - INLET PROTECTION SHALL BE INSPECTED AFTER EACH RAIN EVENT AND REPAIRS SHALL BE MADE AS NECESSARY.
  - STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
- DEWATERING STRUCTURE - VA SWM HANDBOOK C-SCM-10

- SEDIMENT LADEN OR TURBID WATER SHALL BE FILTERED, SETTLED OR SIMILARLY TREATED PRIOR TO DISCHARGE.
- THE FILTERING DEVICES MUST BE INSPECTED AND MAINTAINED FREQUENTLY AND REPAIRED OR REPLACED ONCE THE SEDIMENT BUILD-UP PREVENTS THE STRUCTURE FROM FUNCTIONING AS DESIGNED.
- THE ACCUMULATED SEDIMENT WHICH IS REMOVED FROM A DEWATERING DEVICE MUST BE SPREAD ON-SITE AND STABILIZED OR DISPOSED OF AT AN APPROVED DISPOSAL SITE AS PER THE APPROVED PLAN.
- TREE PROTECTION - VA SWM HANDBOOK C-SSM-01  
TREES SHALL BE PROTECTED PER THE REQUIREMENTS OF THE CHESAPEAKE BAY PRESERVATION ORDINANCE AND THE CURRENT ANSI STANDARDS FOR MANAGEMENT OF TREES AND SHRUBS DURING SITE PLANNING, SITE DEVELOPMENT, AND CONSTRUCTION.
- ALL TREES SHOWN TO BE PROTECTED ON THE PLAN ARE TO BE PROTECTED UNLESS OTHERWISE DIRECTED BY THE FORESTER. THE COUNTY'S URBAN FORESTER SHALL BE CONTACTED AT URBANFORESTRY@ARLINGTONVA.US AND ALLOWED TO INSPECT ALL TREE PROTECTION 72 HOURS PRIOR TO THE START OF CONSTRUCTION. IN SPITE OF PRECAUTIONS, SOME DAMAGE TO PROTECTED TREES MAY OCCUR. IN SUCH CASES, THE COUNTY URBAN FORESTER SHALL DIRECT THE PROJECT TO REMEDIATE DAMAGE FOLLOWING CURRENT ANSI STANDARDS, OR WORK WITH THE PROJECT TO REPLACE TREES, IF THEY ARE DAMAGED BEYOND REPAIR.

### 2. VEGETATIVE PRACTICES

- TEMPORARY SEEDING - VA SWM HANDBOOK C-SSM-09
  - ALL DENUDED AREAS, WHICH WILL BE LEFT DORMANT FOR EXTENDED PERIODS OF TIME SHALL BE SEEDED WITH FAST GERMINATING TEMPORARY VEGETATION IMMEDIATELY FOLLOWING GRADING. SELECTION OF THE SEED MIXTURE WILL DEPEND ON THE TIME OF YEAR IT IS APPLIED.
  - SEE CHAPTER 7.4, C-SSM-09, SECTION 6.0 OF THE VA SWM HANDBOOK FOR ALLOWABLE PLANTING MATERIAL, SEEDING RATES, AND DATES. THE PLANTING REQUIREMENTS OF THE "SOUTH" SHALL BE FOLLOWED. LIMING SHALL BE BASED ON TABLE C-SSM-09-2 OF THE VA SWM HANDBOOK. FERTILIZERS SHALL BE APPLIED AS 600 LB/ACRE. THE FERTILIZER SHALL BE INCORPORATED INTO THE TOP 4"-6" OF SOIL, IF POSSIBLE. SEED SHALL BE EVENLY APPLIED AND SMALL GRAINS SHALL BE PLANTED NO MORE THAN 1.5" DEEP. SEEDING MADE IN FALL FOR WINTER COVER AND DURING HOT SUMMER MONTHS SHALL BE MULCHED.
- PERMANENT SEEDING - VA SWM HANDBOOK C-SSM-10
  - SINCE THE SUBJECT SITE IS LOCATED WITHIN THE COASTAL PLAIN AREA OF VIRGINIA, TABLE C-SSM-10-8 OF THE VA SWM HANDBOOK SHALL BE FOLLOWED FOR FINAL SEEDING MATERIAL, SEEDING RATES, AND DATES OF APPLICATION, EXCEPT IN RESOURCE PROTECTION AREAS.
  - IN RESOURCE PROTECTION AREAS, THE ARLINGTON COUNTY RESOURCE PROTECTION AREA SEED MIX, OR AN APPROVED EQUAL, SHALL BE APPLIED.

ARLINGTON COUNTY - RESOURCE PROTECTION AREA NATIVE SEED MIX		
PERCENT OF MIX (%)	LATIN NAME	COMMON NAME
20	<i>Lolium multiflorum</i>	ANNUAL RYE
30	<i>Elymus virginicus</i>	VIRGINIA WILD RYE
25	<i>Panicum clandestinum</i>	DEER-TONGUE GRASS
15	<i>Elymus riparius</i>	RIVERBANK WILD RYE
5	<i>Elymus hystrix</i>	BOTTLEBRUSH GRASS
2	<i>Chamaecrista fasciculata</i>	PARTRIDGE PEA
1	<i>Solidago rugosa</i>	ROUGH-STEMMED GOLDENROD
1	<i>Asclepias syriaca</i>	COMMON MILKWEED
1	<i>Euthamia graminifolia</i>	GRASS-LEAVED GOLDENROD
  - APPLY AT 50 LBS/ACRE (2 LB/1000 SF) BETWEEN AUGUST 15TH AND MAY 15TH.
  - IF APPLYING BETWEEN NOVEMBER 1 AND MARCH 1 SUBSTITUTE SECALE *CEREALE* (WINTER WHEAT) FOR *LOLIUM MULTIFLORUM* (ANNUAL RYE).
- SODDING - VA SWM HANDBOOK C-SSM-06
  - SODDED AREAS SHALL BE BROUGHT TO FINAL GRADE IN ACCORDANCE WITH THE APPROVED PLANS. SOIL TESTS SHALL BE MADE TO DETERMINE THE EXACT REQUIREMENTS FOR LIME AND FERTILIZER. PRIOR TO LAYING SOD, SOIL SURFACE SHALL BE CLEAR OF TRASH, DEBRIS AND LARGE OBJECTS. QUALITY OF SOD SHALL BE STATE CERTIFIED TO ENSURE GENETIC PURITY AND HIGH QUALITY. SOD SHALL NOT BE LAID ON FROZEN SOIL SURFACE, OR IN EXCESSIVELY WET OR DRY WEATHER. SOD SHALL BE DELIVERED AND INSTALLED WITHIN 36 HOURS, AND SHALL BE INSTALLED PER C-SSM-06, SECTION 6.0 OF THE VA SWM HANDBOOK.

## EROSION AND SEDIMENT CONTROL MANAGEMENT MEASURES

### LANDSCAPE / TREE PRESERVATION NOTES

PRIOR TO ANY LAND DISTURBING ACTIVITY, THE CONTRACTOR SHALL CONTACT THE ARLINGTON COUNTY URBAN FORESTER AND STORMWATER MANAGEMENT INSPECTOR TO REQUEST A PRE-CONSTRUCTION MEETING..

### GENERAL LAND CONSERVATION NOTES:

- NO DISTURBED AREA WILL REMAIN DENUDED FOR MORE THAN 7 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR OR HIS AGENT.
- 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 AND SANITARY SEWER LINES NOT IN STREETS ARE TO BE MULCHED AND SEEDED WITHIN 5 DAYS AFTER BACKFILL. NO MORE THAN 500 FEET ARE TO BE OPEN AT ANY ONE TIME.
- ELECTRIC POWER, TELEPHONE AND GAS SUPPLY TRENCHES ARE TO BE COMPACTED, SEEDED AND MULCHED WITHIN 5 DAYS OF BACKFILL.
- ALL TEMPORARY EARTH BERMS, DIVERSIONS AND SEDIMENT CONTROL DAMS 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.
- ANY DISTURBED AREA NOT COVERED BY NOTE # 1 ABOVE AND NOT PAVED, SODDED OR BUILT UPON BY NOVEMBER 1ST, OR DISTURBED AFTER THAT DATE, SHALL BE MULCHED WITH HAY OR STRAW AT THE RATE OF 2 TONS PER ACRE AND OVER-SEEDED NO LATER THAN MAY 15TH.
- AT THE COMPLETION OF THE CONSTRUCTION PROJECT AND PRIOR TO BOND RELEASE, ALL TEMPORARY SEDIMENT CONTROLS SHALL BE REMOVED AND ALL DENUDED AREAS SHALL BE STABILIZED. ARLINGTON COUNTY INSPECTOR TO APPROVE REMOVAL OF ALL TEMPORARY SILTATION MEASURES..

### GENERAL EROSION AND SEDIMENT CONTROL NOTES

- 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 STORMWATER MANAGEMENT HANDBOOK AND/OR ARLINGTON COUNTY STANDARDS AND SPECIFICATIONS.
- 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.
- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING.
- AS PART OF THE STORMWATER POLLUTION PREVENTION PLAN, A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- 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 REVISION TO THE EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY ARLINGTON COUNTY.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION OR ILLICIT DISCHARGES AS DETERMINED BY THE ARLINGTON COUNTY STORMWATER MANAGEMENT INSPECTOR.
- 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.
- DURING DEWATERING OPERATIONS, SEDIMENT LADEN OR TURBID WATER SHALL BE FILTERED, SETTLED, OR SIMILARLY TREATED PRIOR TO DISCHARGE. IF APPLICABLE, PER THE REQUIREMENTS OF THE CONSTRUCTION GENERAL PERMIT, METHODS MUST BE UNDERTAKEN TO CONTROL AND DOCUMENT CONSTRUCTION DEWATERING DISCHARGES.
- 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.
- ALL POST-CONSTRUCTION STORMWATER MANAGEMENT FACILITIES SHALL BE KEPT OFF-LINE UNTIL CONSTRUCTION IS COMPLETED AND ALL AREAS HAVE BEEN PROPERLY STABILIZED.
- WITH APPROVAL FROM THE ARLINGTON COUNTY STORMWATER MANAGEMENT INSPECTOR, ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

### PRE-STORM SITE PREPARATION CHECKLIST:

ACTIONS SHALL BE TAKEN PRIOR TO FORECASTED STORM EVENTS WITH PREDICTED HEAVY AND/OR LARGE VOLUME RAINFALL TO PREVENT SEDIMENT DISCHARGES FROM A CONSTRUCTION SITE. A TYPICAL SUMMER THUNDERSTORM IS AN EXAMPLE OF A STORM EVENT WITH PREDICTED HEAVY AND/OR LARGE VOLUME RAINFALL.

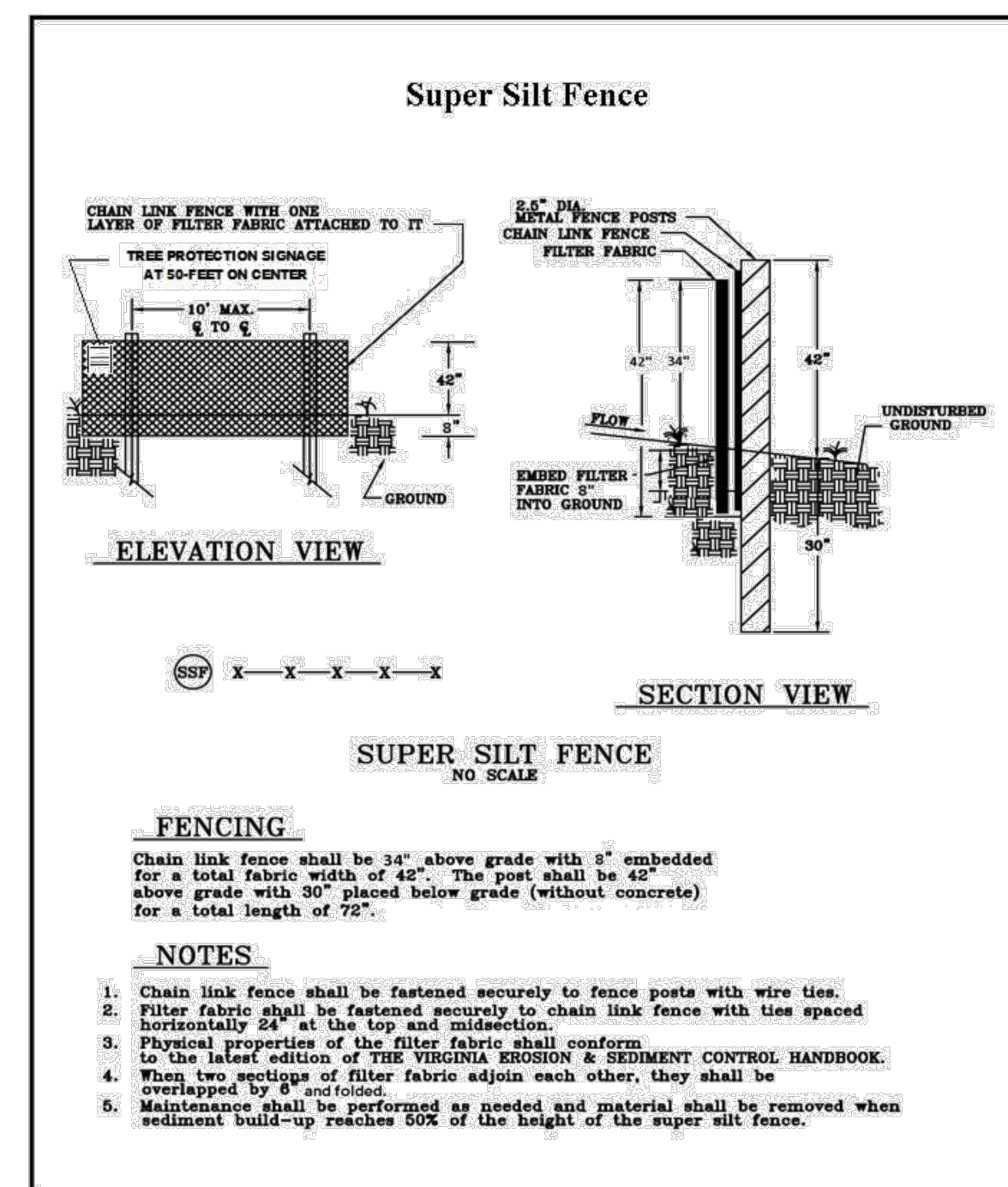
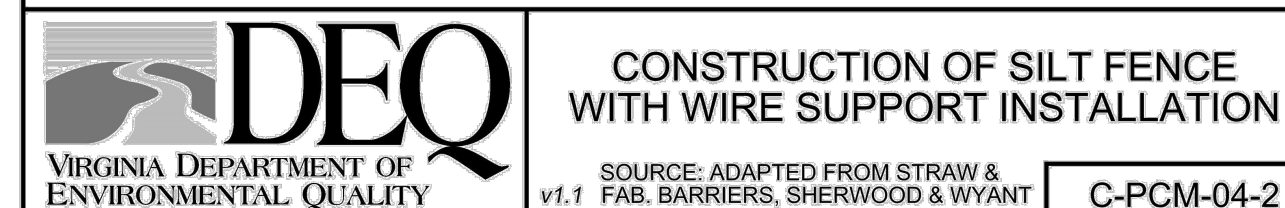
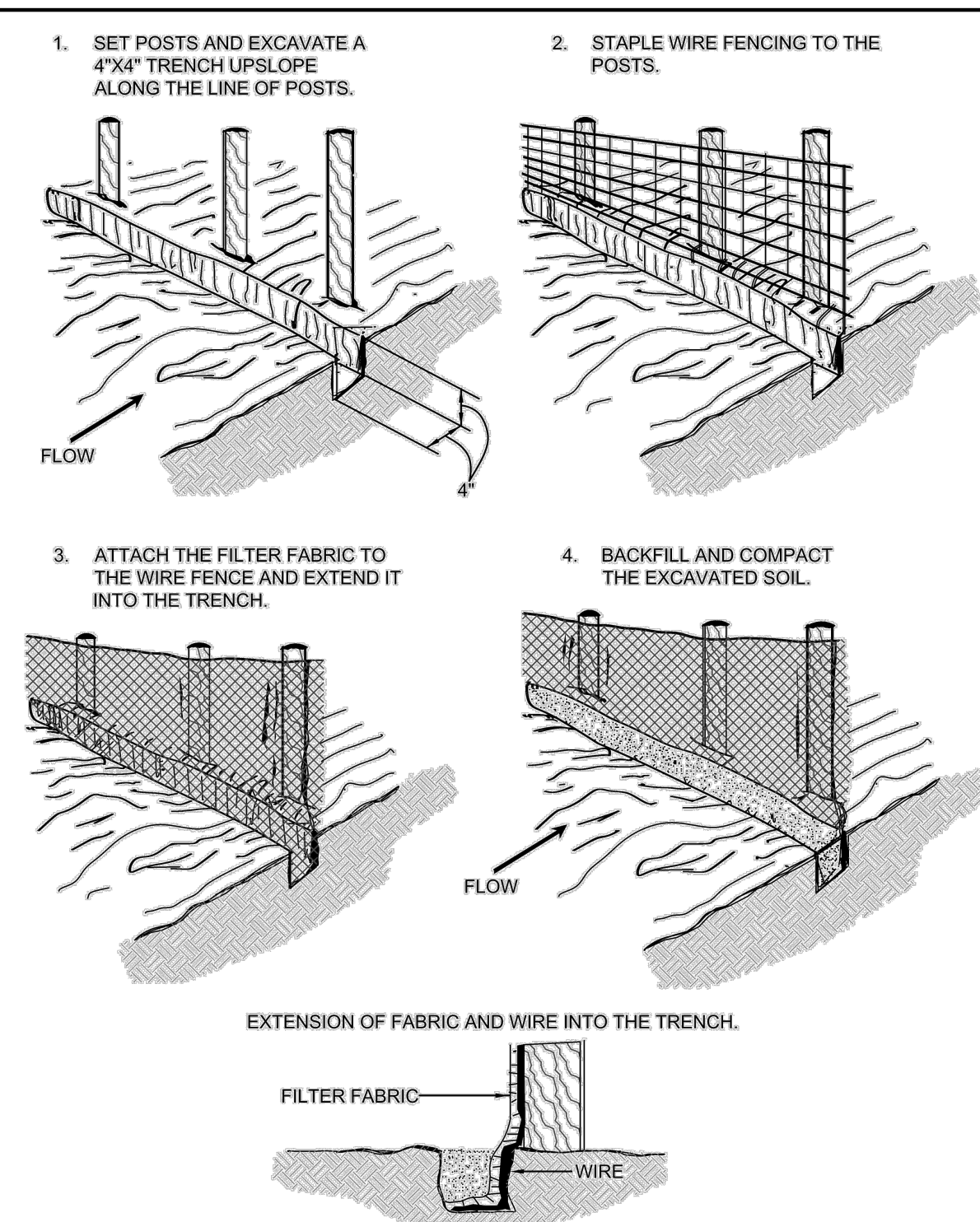
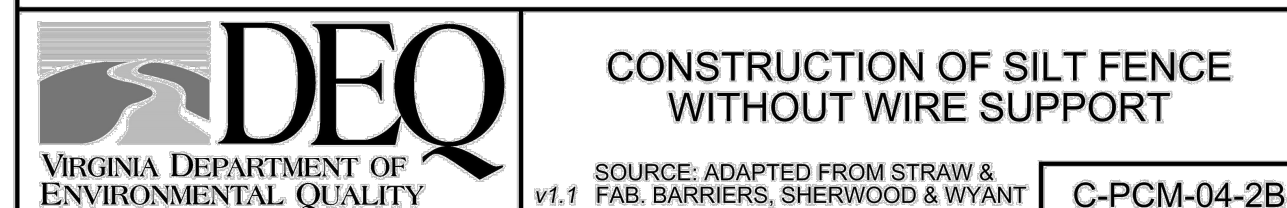
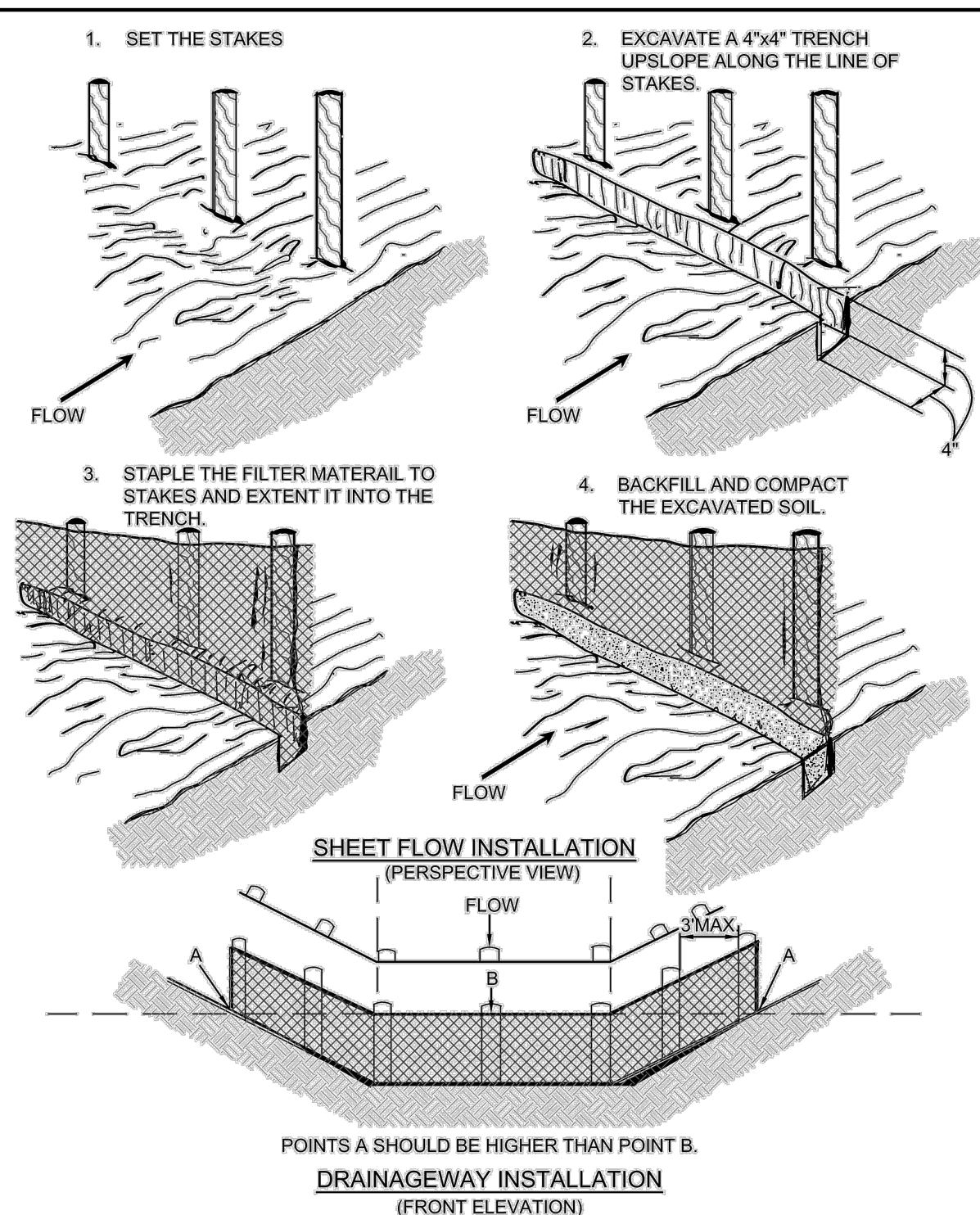
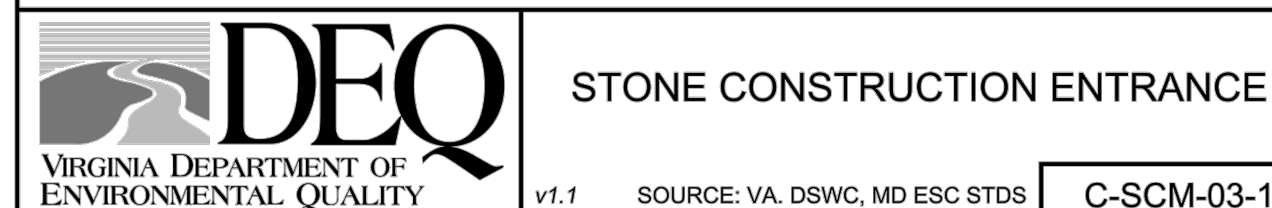
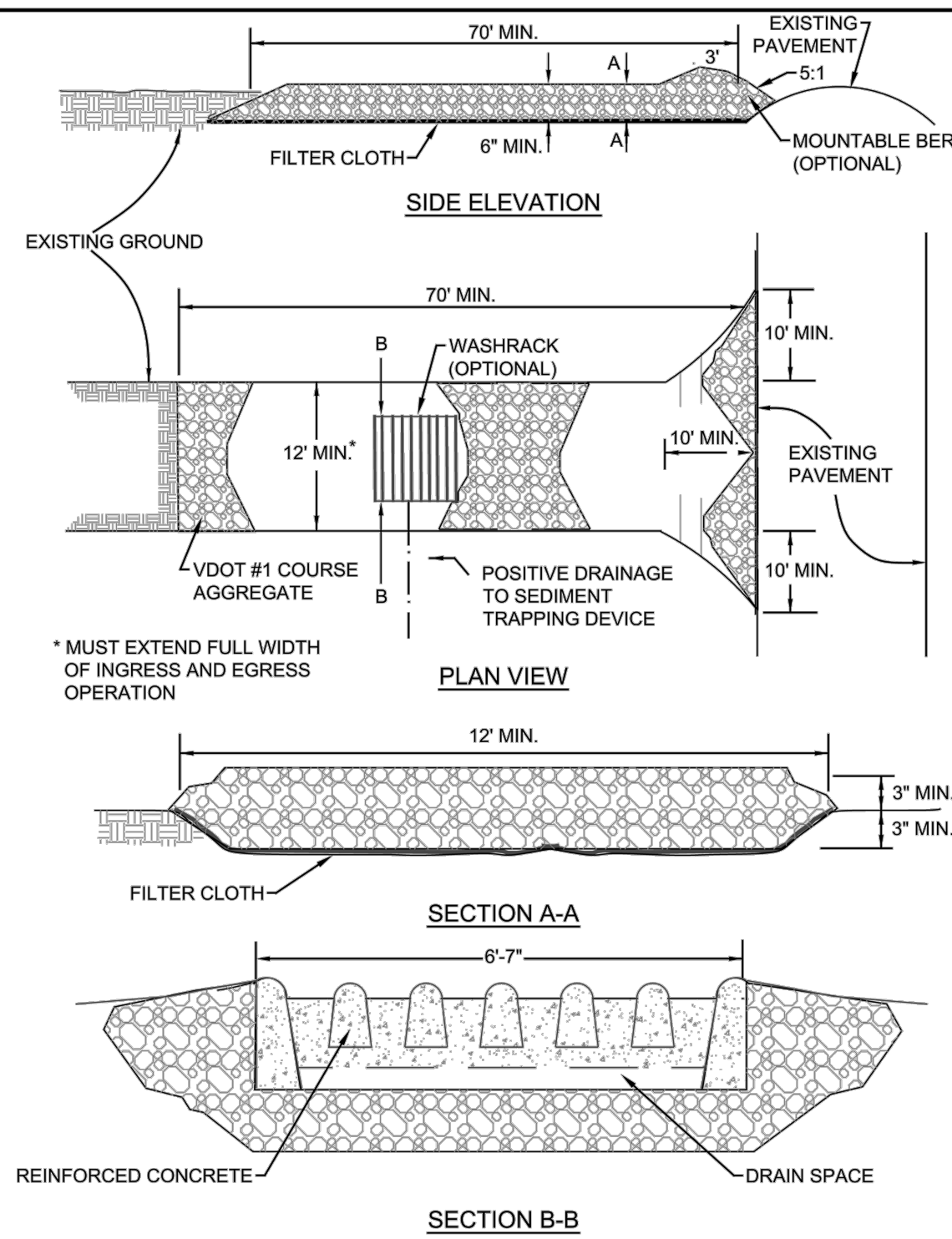
#### 1. PERIMETER CONTROLS

- CHECK SILT FENCE FOR UNDERMINING, HOLES, OR DETERIORATION OF THE FABRIC. FENCING SHALL BE REPLACED IMMEDIATELY IF THE FABRIC IS DAMAGED OR WORN. DAMAGED POSTS OR STAKES MUST BE REPLACED.
- REMOVE ACCUMULATED SEDIMENT AGAINST THE SILT FENCE.
- ENSURE CONSTRUCTION ENTRANCE IS MAINTAINED AND DOES NOT HAVE HEAVY SEDIMENT ACCUMULATION ON THE STONE.
- PLACE HAY BALES, COMPOST SOCKS, OR A STONE BERM ACROSS THE CONSTRUCTION ENTRANCE TO MINIMIZE SEDIMENT FROM LEAVING THE CONSTRUCTION SITE.

#### 2. EXPOSED SLOPES, SOIL, AND STOCKPILES

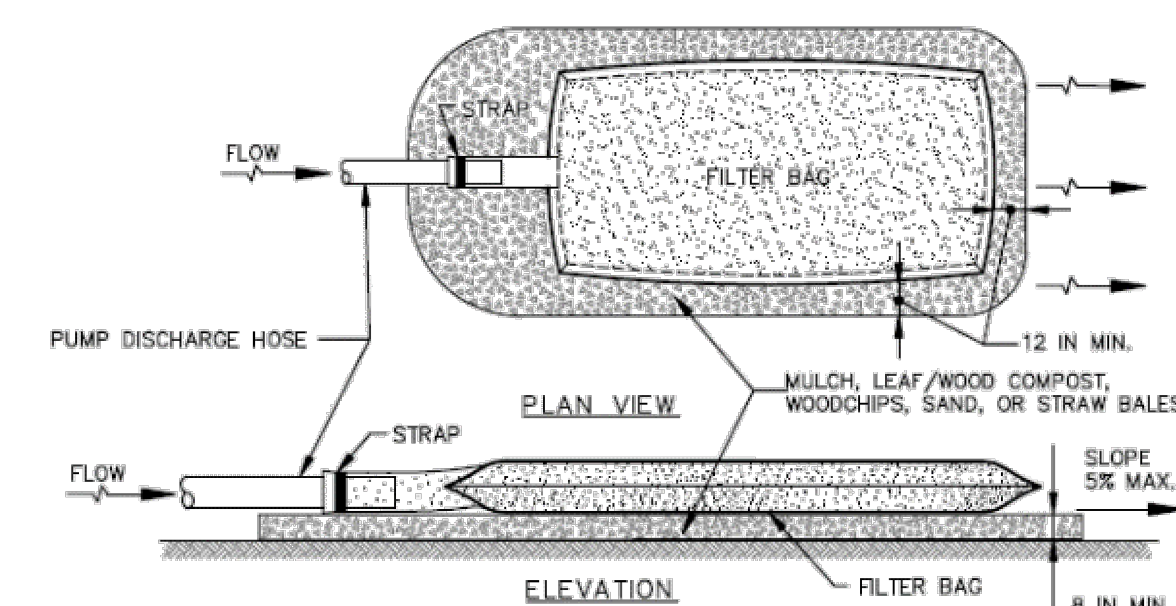
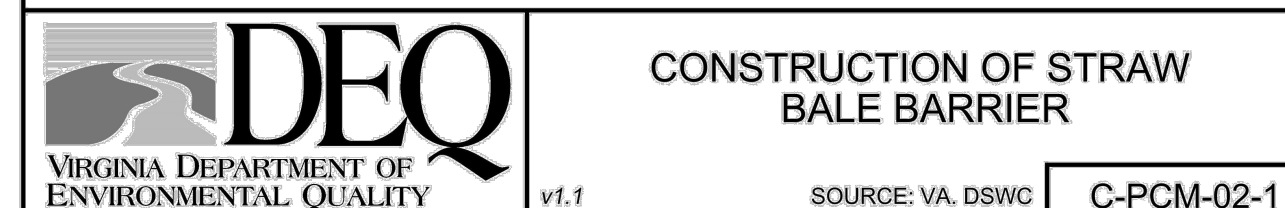
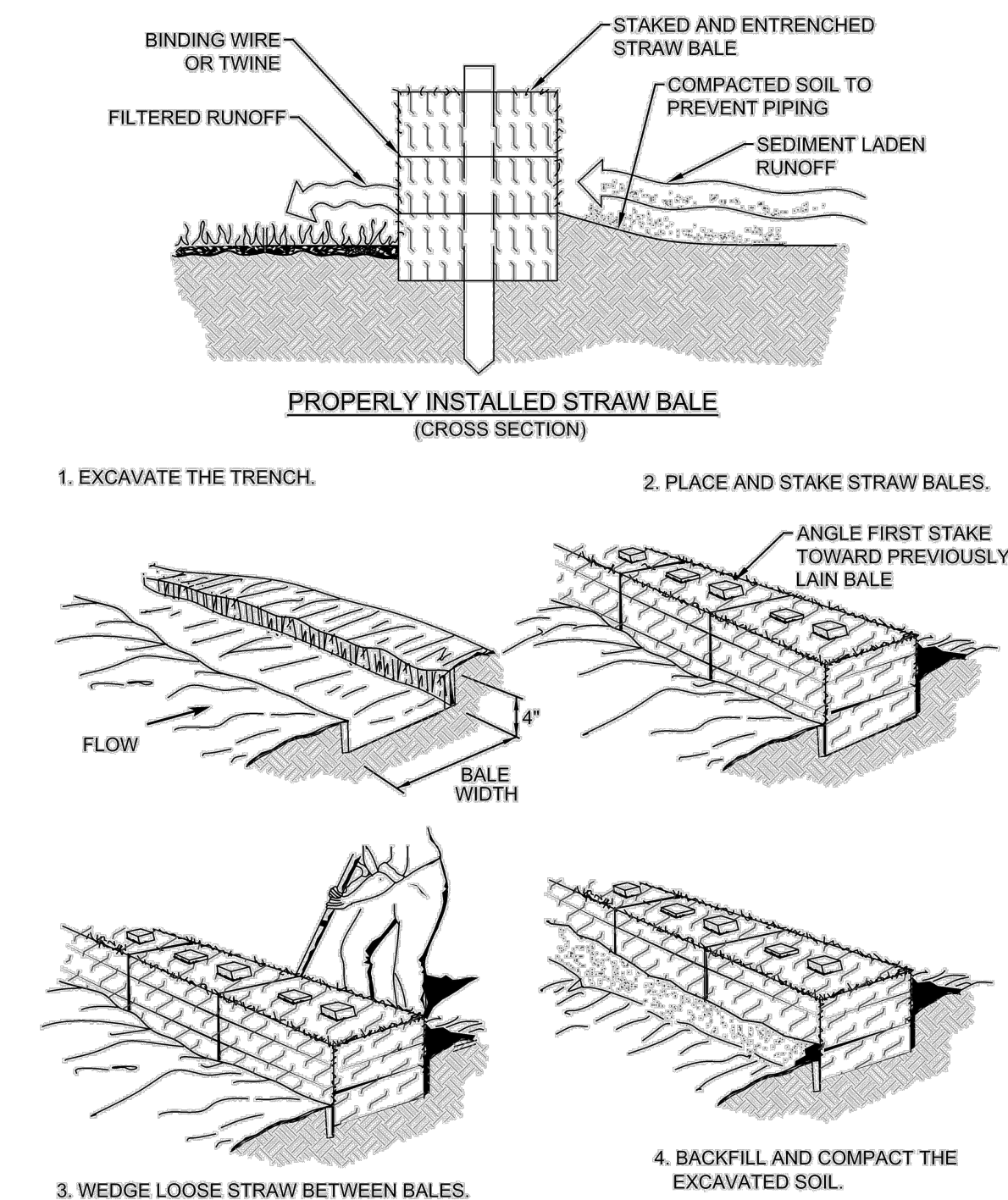
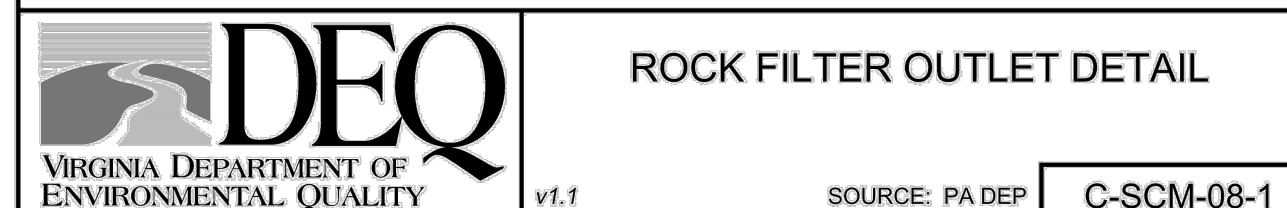
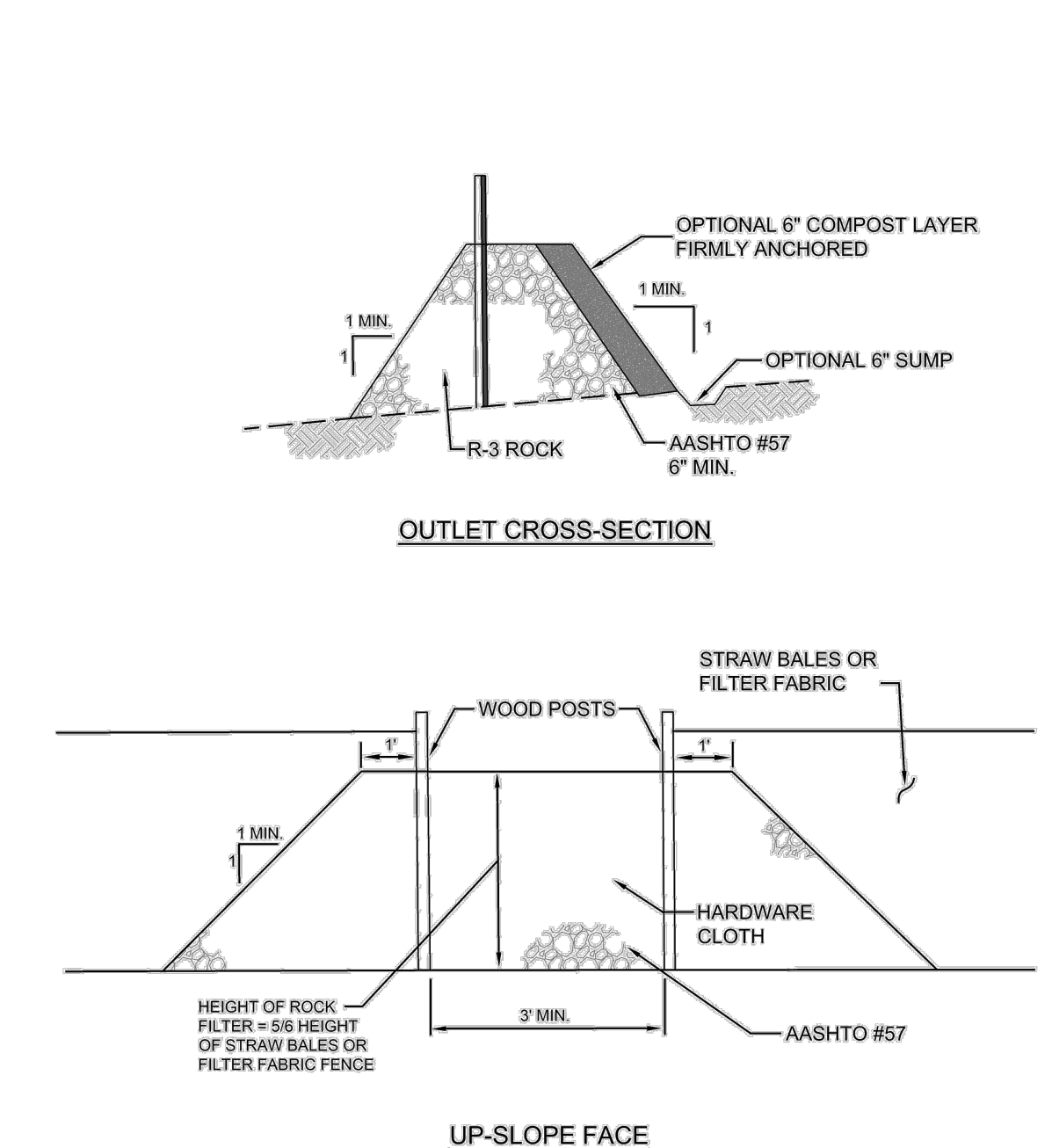
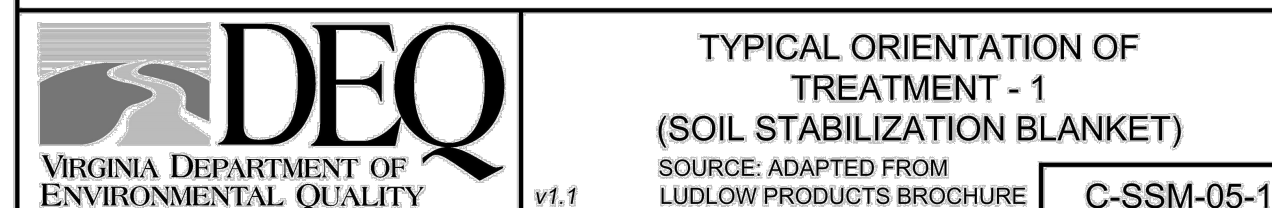
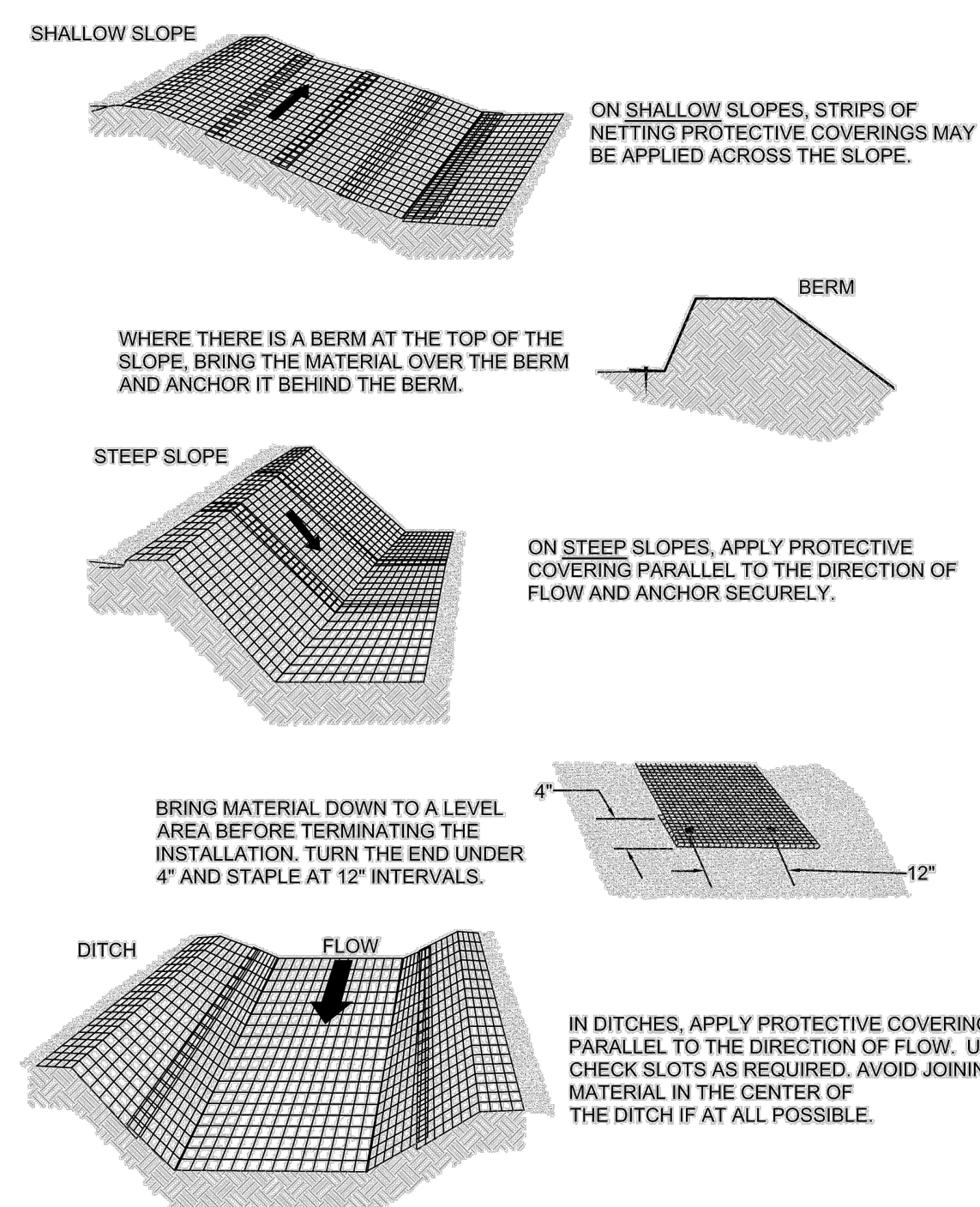
- EXPOSED SLOPES NOT AT THE FINAL STABILIZATION PHASE SHALL BE COVERED WITH A 2" LAYER OF STRAW, PLASTIC SHEETING, OR EROSION CONTROL MATTING. COVER MATERIAL SHALL BE PROPERLY SECURED/ANCHORED.
- CONTROLS SHALL BE INSTALLED TO PREVENT CONCENTRATED FLOW DOWN AN EXPOSED SLOPE. BERMS, COMPOST SOCKS, OR DIVERSION DIKES SHALL BE INSTALLED AT THE TOP OF CUT / EXPOSED SLOPES TO DIRECT STORM FLOW AROUND THE DISTURBED AREA.
- RECENTLY SEEDED AREAS SHALL BE PROTECTED BY STRAW, MATTING, OR SOIL STABILIZATION BLANKETS TO PREVENT SEEDS FROM BEING WASHED AWAY.
- STOCKPILED SOIL AND OTHER LOOSE MATERIALS SHALL BE COVERED WITH A TARP, PLASTIC SHEETING, OR OTHER STABILIZATION MATTING. THE COVER MUST BE PROPERLY SECURED / ANCHORED DOWN TO PREVENT BEING BLOWN OFF AND EXPOSING MATERIALS TO RAIN. CONTROLS SUCH AS HAY BALES, BOOMS, OR COMPOST SOCKS SHOULD BE PLACED AROUND THE PERIMETER OF THE STOCKPILE.





Filter Bag

The Maryland Standard F-4 for a filter bag is provided as an acceptable option for use in Arlington County if straw bales or stone are used as the layer under the filter bag. The use of mulch, leaf/wood compost, woodchips or sand is not acceptable.



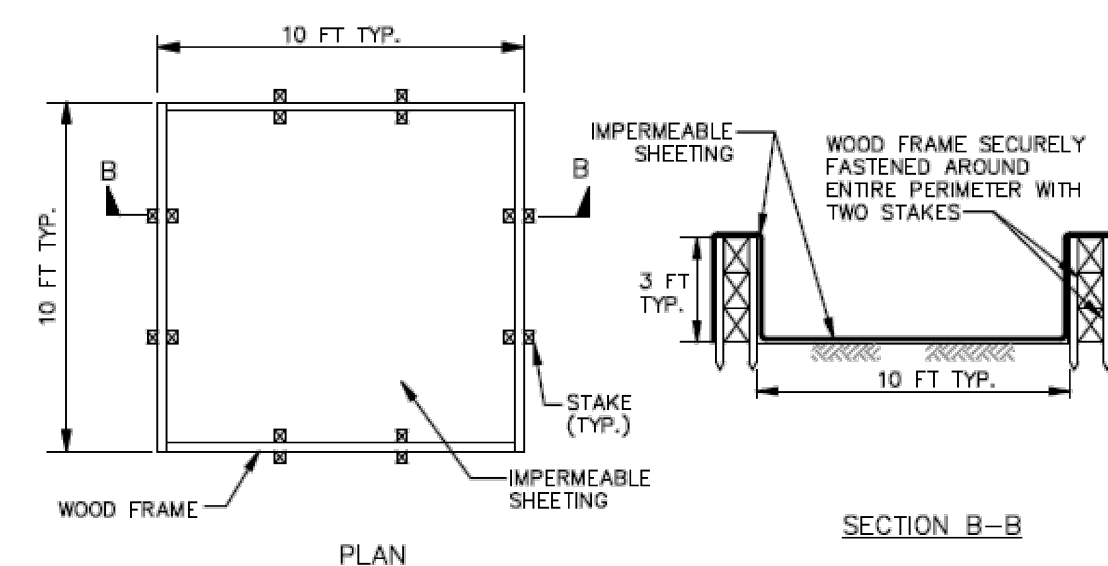
### CONSTRUCTION SPECIFICATIONS

1. TIGHTLY SEAL SLEEVE AROUND THE PUMP DISCHARGE HOSE WITH A STRAP OR SIMILAR DEVICE.
2. PLACE FILTER BAG ON SUITABLE BASE (E.G. MULCH, LEAF/WOOD COMPOST, WOODCHIPS, SAND, OR STRAW BALE) LOCATED ON A LEVEL OR 5% MAXIMUM SLOPING SURFACE. DISCHARGE TO A STABILIZED AREA. EXTEND BASE A MINIMUM OF 12 INCHES FROM EDGES OF BAG.
3. CONTROL PUMPING RATE TO PREVENT EXCESSIVE PRESSURE WITHIN THE FILTER BAG IN ACCORDANCE WITH THE MANUFACTURER RECOMMENDATIONS. AS THE BAG FILLS WITH SEDIMENT, REDUCE PUMPING RATE.
4. REMOVE AND PROPERLY DISPOSE OF FILTER BAG UPON COMPLETION OF PUMPING OPERATIONS OR AFTER BAG HAS REACHED CAPACITY, WHICHEVER OCCURS FIRST. SPREAD THE DEWATERED SEDIMENT FROM THE BAG IN AN APPROVED UPLAND AREA AND STABILIZE WITH SEED AND MULCH BY THE END OF THE SAME DAY. REMOVE THE SURFACE AREA BENEATH THE BAG TO ORIGINAL CONDITION UPON REMOVAL OF THE DEVICE.
5. USE NONWOVEN GEOTEXTILE WITH DOUBLE STITCHED SEAMS USING HIGH STRENGTH THREAD. SIZE SLEEVE TO ACCOMMODATE A MAXIMUM 1 INCH DIAMETER PUMP DISCHARGE HOSE. THE BAG MUST BE MANUFACTURED FROM A NONWOVEN GEOTEXTILE THAT MEETS OR EXCEEDS MINIMUM AVERAGE ROLL VALUES (MARV) FOR THE FOLLOWING:
 

GRAB TENSILE	250 LB	ASTM D-4632
PUNCTURE	150 LB	ASTM D-4633
FLOW RATE	70 GAL/MIN/FT <sup>2</sup>	ASTM D-4941
PERMEABILITY (SEC <sup>-2</sup> )	1.2 SEC <sup>-2</sup>	ASTM D-4481
UV RESISTANCE	70% STRENGTH @ 500 HOURS	ASTM D-4355
APPARENT OPENING SIZE (AOS)	0.15-0.18 MM	ASTM D-4751
SEAM STRENGTH	90%	ASTM D-4632
6. REPLACE FILTER BAG IF BAG CLOSOS OR HAS RIPTS, TEARS, OR PUNCTURES. DURING OPERATION KEEP CONNECTION BETWEEN PUMP HOSE AND FILTER BAG WATER TIGHT. REPLACE BEDDING IF IT BECOMES DISCEED.

### Washout Structure with Wood Planks

The Maryland Standard H-6 for an onsite concrete washout structure is provided as an acceptable option for use in Arlington County.



INCLUDE ADDITIONAL  
E&S CONTROL DETAILS  
AS NEEDED



REVISED: May 29, 2025

SOIL PROFILE REBUILDING TABLE	
SOIL PROFILE REBUILDING TOTAL AREA:	
REQUIRED COMPOST VOLUME:	
REQUIRED TOPSOIL VOLUME:	

SOIL PROFILE  
REBUILDING  
EXHIBIT

SWM MMA  
SHEET 2

TEXT IS TO BE NO SMALLER THAN 0.1

SWM MMA  
SHEET 4

TEXT IS TO BE NO SMALLER THAN 0.1

SWM MMA  
SHEET 6

TEXT IS TO BE NO SMALLER THAN 0.1

SWM MMA  
SHEET 3

TEXT IS TO BE NO SMALLER THAN 0.1

SWM MMA  
SHEET 5

TEXT IS TO BE NO SMALLER THAN 0.1

SOIL PROFILE REBUILDING STEPS:

STEP ONE: APPLY 4 INCHES OF COMPOST OVER SURFACE SPREAD MATURE, STABLE COMPOST (SEE DEFINITIONS BELOW FOR DEFINITION OF STABLE COMPOST) TO A 4 INCH DEPTH OVER COMPACTED SUBSOIL.

STEP TWO: SUBSOIL WITH BACKHOE TO 24 INCH DEPTH  
SUBSOILING SHOULD BE PERFORMED WHEN SOIL IS NEITHER WET NOR DRY. USE A BACKHOE REARBUCKET OR SIMILAR EQUIPMENT WITH A TINED BUCKET TO BREAK UP THE COMPACTED SOIL AND INCORPORATE THE COMPOST. WORK BACKWARDS AWAY FROM EXCAVATED SOILS SO THAT TREATED SOIL IS NOT TRAFFICKED BY THE EQUIPMENT. INSERT THE BUCKET THROUGH THE COMPOST LAYER AND INTO THE SUBSOIL TO A DEPTH OF 24 INCHES AND RAISE A BUCKET OF SOIL A FEW FEET ABOVE THE SOIL SURFACE. TIP THE BUCKET AND ALLOW SOIL TO FALL. REPEAT THIS PROCEDURE UNTIL NO CLUMPS OF COMPACTED SOIL LARGER THAN 12 INCHES IN DIAMETER REMAIN. THE TINES OF THE BUCKET CAN BE USED TO BREAK APART LARGER CLUMPS IF NECESSARY. CONTINUE TO BREAK UP CLUMPS UNTIL AT LEAST 50% OF THE SOIL IS IN CLUMPS 6 INCHES OR SMALLER. A PUSH TUBE SOIL SAMPLER CAN BE USED TO VERIFY COMPOST IS PRESENT AT 24 INCH DEPTH IF NEEDED. THE SUBSOILING IS NOT INTENDED TO HOMOGENIZE THE COMPOST AND SOIL, BUT RATHER LOOSEN THE SOIL TO A 24-INCH DEPTH AND CREATE VEINS OF COMPOST DOWN TO THAT DEPTH AS WELL.

STEP THREE: REPLACE OR ADD TOPSOIL  
STANDARD PROCEDURE--NO TOPSOIL WAS PRESENT DURING SUBSOILING RETURN STOCKPILED TOPSOIL, OR ADDITIONAL TOPSOIL IF NONE IS AVAILABLE FROM THE SITE, TO THE SOIL SURFACE TO A 4-INCH MINIMUM DEPTH. IF SOIL WAS SEVERELY DISTURBED (FOR EXAMPLE, THE GRADE WAS LOWERED, OR THE SITE WAS COMPACTED IN LIFTS), 6-8 INCHES SHOULD BE USED.  
MODIFIED PROCEDURE--SIGNIFICANT TOPSOIL WAS ALREADY PRESENT BEFORE SUBSOILING SOMEWHAT LESS TOPSOIL CAN BE USED IF SIGNIFICANT TOPSOIL WAS ALREADY PRESENT BEFORE SUBSOILING, BUT ALWAYS APPLY AT LEAST 3 INCHES SINCE MUCH OF THE PRE-EXISTING TOPSOIL WILL HAVE BECOME INCORPORATED IN THE SUBSOIL.

STEP FOUR: TILL THE TOPSOIL AND BREAK UP THE TOPSOIL SUBSOIL INTERFACE  
ROTOTILL TOPSOIL TO A DEPTH OF 6-8 INCHES WHEN SOIL IS NEITHER DRY NOR VERY MOIST. ROTOTILLING DEPTH SHOULD IDEALLY CROSS THE INTERFACE WITH THE SUBSOILED LAYER.

REVISED: May 29, 2025

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL NOTES

- 1. THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IS INTENDED TO BE A SEPARATE LIVING DOCUMENT CONSISTING OF AN APPROVED EROSION AND SEDIMENT CONTROL (ESC) PLAN, APPROVED STORMWATER MANAGEMENT (SWM) PLAN, A POLLUTION PREVENTION (P2) PLAN, AND DESCRIPTION OF ANY ADDITIONAL CONTROL MEASURES NECESSARY TO ADDRESS A TOTAL MAXIMUM DAILY LOAD (TMDL).
- 2. THE SWPPP SHALL BE AMENDED, ALONG WITH ROUTINE MODIFICATIONS OR UPDATES, WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE THAT HAS A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS
- 3. ALL DOCUMENTS AND COMPONENTS OF THE SWPPP SHALL BE KEPT AND MAINTAINED ONSITE AT A CENTRAL LOCATION OR NOTICE OF THE SWPPP'S LOCATION MUST BE BE POSTED NEAR THE MAIN ENTRANCE OF THE PROJECT SITE.

TMDL GENERAL NOTES

- 1. TOTAL MAXIMUM DAILY LOADS (TMDLS) FOR THE CHESAPEAKE BAY AND POTOMAC RIVER WATERSHEDS HAVE BEEN ESTABLISHED FOR SEDIMENT, NUTRIENTS (NITROGEN, PHOSPHORUS), PCBs, AND BACTERIA. THE FOLLOWING PRACTICES WILL BE IMPLEMENTED TO ENSURE COMPLIANCE WITH CHESAPEAKE BAY AND LOCAL TMDL ACTION PLANS.
  - a. SITE INSPECTIONS BY THE CONSTRUCTION ACTIVITY OPERATOR WILL BE CONDUCTED EVERY FOUR (4) BUSINESS DAYS
  - b. STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED IMMEDIATELY WHEN CLEARING, GRADING, EXCAVATION OR OTHER LAND DISTURBING ACTIVITIES HAVE CEASED ON ANY PORTION OF A PROJECT SITE. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON THE SITE.
  - c. NUTRIENTS SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS OR AN APPROVED NUTRIENT MANAGEMENT PLAN AND SHALL NOT BE APPLIED DURING RAINFALL EVENTS, DURING WINDY CONDITIONS, OR WHEN RAIN IS IN THE IMMEDIATE 48-HOUR FORECAST.
  - d. MEASURES WILL BE TAKEN TO PREVENT / MINIMIZE THE DISCHARGE OF PCBs FROM THE PROJECT SITE, INCLUDING PROPER SEDIMENT CONTROLS AND STABILIZATION PRACTICES AND WASTE MANAGEMENT. DEBRIS AND WASTE MATERIALS GENERATED DURING DEMOLITION ACTIVITIES SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
  - e. MEASURES WILL BE TAKEN TO PREVENT / MINIMIZE THE DISCHARGE OF BACTERIA FROM THE PROJECT SITE. POLLUTION PREVENTION CONTROLS FOCUSED ON MANAGING DUMPSTERS, PORTABLE LAVATORIES, AND OTHER WASTES WILL BE IMPLEMENTED.
  - f. ADDITIONAL MEASURES OUTLINED IN THE POLLUTION PREVENTION SECTION WILL BE TAKEN TO PREVENT / MINIMIZE THE DISCHARGE OF POLLUTANTS TO THE STORM DRAIN SYSTEM OR SURFACE WATERS.

POLLUTION PREVENTION (P2) GENERAL NOTES

POLLUTION PREVENTION PRACTICES INCLUDING DAILY GOOD HOUSEKEEPING EFFORTS WILL BE EMPLOYED AT THE PROJECT SITE TO PREVENT POLLUTION DISCHARGES. EQUIPMENT, TOOLS AND MATERIALS NEEDED FOR CLEANUP (BROOMS, SHOVELS, VACUUMS, TRASH BAGS) WILL BE READILY AVAILABLE ON SITE.

THE FOLLOWING ACTIVITIES AND CORRESPONDING POLLUTION PREVENTION CONTROLS AND PRACTICES WILL BE IMPLEMENTED AND ADHERED TO.

- 1. CLEARING, GRADING, EXCAVATING - SEDIMENT CONTROL
  - a. EROSION AND SEDIMENT CONTROLS SHOWN ON THE APPROVED PLAN WILL BE INSTALLED AND MAINTAINED TO PROTECT DISTURBED AREAS AND PREVENT SEDIMENT FROM LEAVING THE SITE / LIMITS OF DISTURBANCE (LOD) AND ENTERING THE STORM DRAIN SYSTEM OR SURFACE WATERS.
  - b. SEDIMENT TRACKING ONTO PAVED AREAS OUTSIDE THE LOD / CONSTRUCTION ENTRANCES WILL BE SWEEPED UP DAILY OR AS NEEDED.
  - c. PLASTIC SHEETING, TARPS, 2" DEEP STRAW COVER, MULCH AND/OR EROSION MATTING WILL BE USED FOR TEMPORARY STABILIZATION OF EXPOSED SOIL / SLOPES.
- 2. SAW CUTTING OR BORING
  - a. SLURRY OR OTHER DEBRIS GENERATED DURING CUTTING OR BORING SHALL NOT ENTER A STORM DRAIN OR SURFACE WATER.
  - b. SPILL CONTAINMENT TECHNIQUES SUCH AS THE USE OF SANDBAGS, WEIGHTED DOWN BOOMS, AND/OR COMPOST SOCKS, AROUND THE IMMEDIATE WORK AREA SHALL BE USED TO CONTAIN AND CAPTURE ANY DISCHARGES.
  - c. SLURRY FROM SAW CUTTING OPERATIONS MUST BE CONTAINED, COLLECTED (VACUUMED), AND DISPOSED OF PROPERLY.
  - d. STORM DRAINS IN THE LOD SITUATED DOWN SLOPE FROM THE ACTIVITY SHALL BE TEMPORARILY PROTECTED DURING THE WORK.
- 3. CONCRETE OPERATIONS - WASHOUT AND WASTE MANAGEMENT
  - a. CONCRETE WASH OUT WILL BE CONDUCTED IN A LEAK-PROOF CONTAINER OR LEAK-PROOF SETTLING BASIN THAT IS DESIGNED SO THAT NO OVERFLOWS CAN OCCUR DUE TO INADEQUATE SIZING OR PRECIPITATION. HARDENED CONCRETE WASTES SHALL BE REMOVED AND DISPOSED OF IN A MANNER CONSISTENT WITH THE HANDLING OF OTHER CONSTRUCTION WASTES.
  - b. CONCRETE WASH WATER SHALL NOT BE DISCHARGED TO A STORM DRAIN OR SURFACE WATER.
  - c. CONCRETE WASH WATER SHALL NOT BE INFILTRATED OR DISPOSED OF ON THE GROUND.
  - d. WASHOUT FACILITIES WILL BE SIZED APPROPRIATELY FOR THE NEEDS OF THE PROJECT.
  - e. WASHOUT FACILITIES WILL NOT BE LOCATED NEAR STORM DRAINS.
  - f. MIXERS AND TRUCK CHUTES WILL BE WASHED OUT IN DESIGNATED CONTAINED WASHOUT AREAS.
  - g. NO TRACKING FROM WASHOUT AREAS WILL OCCUR.
  - h. PLASTIC SHEETING, BOARDS, OR TARPS WILL BE PLACED UNDER CONCRETE TRUCK CHUTES DURING POURING
  - i. CONCRETE WASHOUT AREAS WILL NOT BE USED FOR DEWATERING
- 4. WASHING ACTIVITIES / MANAGING WASH WATER
  - a. WASH WATER DISCHARGES TO THE STORM DRAIN SYSTEM OR SURFACE WATERS ARE PROHIBITED. THIS INCLUDES WASTE WATER FROM THE WASHOUT OF OR CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS.
  - b. WASH WATER OR LIQUID WASTE SHALL NOT ENTER A STORM DRAIN OR SURFACE WATERS.
  - c. A SUITABLE CONTAINMENT SYSTEM FOR CLEANING EQUIPMENT SUCH AS A DRUM, PREFABRICATED SYSTEM, LINED CONTAINER, OR PORTABLE WASH PAD WILL BE PROVIDED.
  - d. THE WASH / CONTAINMENT AREA WILL BE SIZED APPROPRIATELY FOR THE NEEDS OF THE PROJECT.
  - e. THE WASH / CONTAINMENT AREA(S) WILL BE SITUATED AWAY FROM STORM DRAINS.
  - f. CONTAINERS WILL BE MONITORED FOR LEAKS OR DAMAGE. CONTAINERS WILL BE REPLACED AS NEEDED.
- 5. DEWATERING OPERATIONS
  - a. CONSTRUCTION SITE DEWATERING WILL NOT BE DISCHARGED WITHOUT THE USE OF CONTROLS. SEDIMENT LADEN OR TURBID WATER ASSOCIATED WITH DEWATERING SHALL BE FILTERED, SETTLED OR SIMILARLY TREATED PRIOR TO DISCHARGE. THE DEWATERING DETAIL ON THE APPROVED ESC PLAN WILL BE USED.
  - b. DEWATERING OPERATIONS WILL BE MONITORED TO ENSURE THE CONTROLS BEING USED ARE EFFECTIVE (CLEAR WATER BEING DISCHARGED) AND NO CLOGGING OR OVERFLOW IS OCCURRING. CONTROLS WILL BE CLEANED OUT OR REPLACED WHEN THE CONTROL IS NO LONGER EFFECTIVE AT REMOVING SEDIMENT. PUMPING WILL BE CONDUCTED SO THAT THE RATE OF DISCHARGE DOES NOT OVERWHELM THE DEWATERING SYSTEM AND ALLOWS FOR ADEQUATE SETTLING AND/OR FILTRATION.
  - c. IF APPLICABLE, TURBIDITY BENCHMARK MONITORING REQUIREMENTS UNDER THE CONSTRUCTION GENERAL PERMIT (CGP) WILL BE IMPLEMENTED. ALL DEWATERING DISCHARGES WILL BE VISUALLY MONITORED FOR CHANGES IN THE CHARACTERIZATION OF EFFLUENT DISCHARGE. MONITORING INFORMATION SHALL BE LOGGED AND KEPT WITH THE SWPPP.
- 6. STOCKPILED MATERIALS / CHEMICAL USE AND STORAGE
  - a. AREAS WILL BE DESIGNATED FOR MATERIAL DELIVERY AND STORAGE. THESE AREAS WILL BE NEAR CONSTRUCTION ENTRANCES AND NOT SITUATED NEAR STORM DRAINS. LAY DOWN AREAS WILL BE SHOWN ON PLANS. STORAGE AND CONTAINMENT AREAS WILL BE ADEQUATELY ENCLOSED OR COVERED.
  - b. STOCKPILED SOIL AND OTHER LOOSE MATERIALS THAT CAN BE WASHED AWAY SHALL BE COVERED WITH A TARP, PLASTIC SHEETING, OR OTHER STABILIZATION MATTING WHEN NOT BEING ACTIVELY ACCESSED. COVERS MUST BE PROPERLY SECURED / ANCHORED DOWN TO PREVENT THE COVERING FROM BEING BLOWN OFF AND EXPOSING MATERIALS TO RAIN. CONTROLS SUCH AS COMPOST SOCKS OR BOOMS SHOULD BE PLACED ALONG THE PERIMETER OF STOCKPILE.
  - c. STOCKPILED MATERIALS LOCATED ON THE EDGE OF ROADWAYS WILL NOT OBSTRUCT FLOW ALONG THE CURB LINE (GUTTER). ADEQUATE SPACE BETWEEN THE CURB AND STOCKPILE WILL BE LEFT TO ALLOW STORMWATER TO FLOW ALONG THE CURB LINE. PIPES OR BOARDS LAID OVER CURBS MAY BE USED TO CREATE THE FLOW THROUGH SPACE.
  - d. MEASURES WILL BE TAKEN TO PREVENT DISCHARGES FROM SPILLED AND LEAKED FUELS AND CHEMICALS FROM VEHICLE FUELING AND MAINTENANCE ACTIVITIES.
  - e. SECONDARY CONTAINMENT (E.G., SPILL BERMS, DECKS, SPILL CONTAINMENT PALLETS, PROVIDING COVER WHERE APPROPRIATE) WILL BE USED FOR STORAGE OF FUELS, OIL, GREASE, PAINT, SOLVENTS, SEALERS, CLEANERS, FERTILIZER, PESTICIDES, AND OTHER CHEMICALS. MATERIALS WILL BE KEPT SECURED WHEN NOT IN USE.

f. SPILL KITS WILL BE READILY AVAILABLE.

7. EQUIPMENT AND VEHICLE FUELING / MAINTENANCE

- a. DESIGNATED AREAS FOR REFUELING VEHICLES OR EQUIPMENT OR PERFORMING MAINTENANCE WILL BE LOCATED AWAY FROM STORM DRAINS AND SURFACE WATERS.
- b. VEHICLES AND EQUIPMENT WILL BE INSPECTED DAILY FOR LEAKS. ANY LEAKS OR SPILLS WILL BE ADDRESSED UPON DISCOVERY.
- c. CONTAINMENT MEASURES WILL BE USED WHEN CONDUCTING FUELING (E.G. PLACE FUEL MATS, SPILL PADS, BOARDS, OR PLASTIC SHEETING ON GROUND) TO CONTAIN DRIPS, LEAKS, SPILLS.
- d. FUEL TANK (S) WILL HAVE CONTAINMENT.
- e. FUEL TANKS AND CONTAINERS WILL BE INSPECTED DAILY FOR SIGNS OF DAMAGE.
- f. EMPLOYEES WILL BE INSTRUCTED NOT TO "TOP OFF" OR OVERFILL VEHICLES OR EQUIPMENT TO PREVENT SPILLS.
- g. SECONDARY CONTAINMENT AND SECURE STORAGE WILL BE PROVIDED FOR FUEL, OIL, SOLVENT AND/OR LUBRICANTS.
- h. DRIP PANS, SHEETING, AND/OR ABSORBENT PADS WILL BE PLACED UNDER HEAVY EQUIPMENT WHEN NOT IN USE (I.E. OVERNIGHT) TO CAPTURE ANY POTENTIAL LEAKS.

8. WASTE MANAGEMENT

- a. TRASH, WASTE, AND CONSTRUCTION DEBRIS WILL BE MANAGED AND DISPOSED OF PROPERLY. DESIGNATED AREAS FOR TRASH AND DEBRIS COLLECTION WILL BE SITUATED AS FAR AWAY FROM STORM DRAINS AS POSSIBLE.
- b. A SUFFICIENT NUMBER OF WASTE CONTAINERS WILL BE KEPT ON A SITE TO HANDLE THE QUANTITY OF WASTE PRODUCED.
- c. WASTE COLLECTION / PICK-UP WILL BE CONDUCTED AS NECESSARY TO PREVENT OVERFILLING.
- d. CONTAINERS WILL HAVE LIDS OR COVERS THAT CAN BE USED TO COVER OPEN CONTAINERS AT THE END OF THE WORKDAY AND PRIOR TO RAIN EVENTS. ROLL OFF CONTAINERS WILL BE KEPT COVERED WHEN NOT BEING ACCESSED. LIDS AND DOORS ON DUMPSTERS AND/OR / TRASH CANS WILL BE KEPT CLOSED.
- e. WASTE CONTAINERS WILL BE CHECKED FREQUENTLY FOR DAMAGE / LEAKS. ANY CLEANING WILL BE CONDUCTED IN A MANNER WHERE WASH WATER IS CONTAINED. WASTE CONTAINERS WILL NOT BE POWER WASHED OR HOSED OUT UNLESS THE WASH WATER IS COLLECTED AND DISPOSED OF INTO THE SANITARY SEWER SYSTEM.
- f. DAMAGED CONTAINERS / RECEPTACLES (LEAKING, CRACKED, CORRODED, OR OTHERWISE DETERIORATING) WILL BE REPLACED.

9. PORTABLE LAVATORIES

- a. PORTABLE LAVATORY UNITS WILL BE PROPERLY SITUATED AND MAINTAINED TO PREVENT POLLUTION RELEASES.
- b. PORTABLE LAVATORIES WILL BE SITUATED AWAY FROM STORM DRAINS AND SURFACE WATERS.
- c. PORTABLE LAVATORIES WILL BE KEPT LEVEL AND HAVE SECONDARY CONTAINMENT (I.E. TRAYS).
- d. UNITS WILL BE INSPECTED FREQUENTLY FOR LEAKS OR DAMAGE.
- e. ROUTINE MAINTENANCE / CLEANING WILL OCCUR, AND UNITS WILL BE REPLACED IF DAMAGED OR LEAKING.
- f. WASH WATER FROM CLEANING WILL BE COLLECTED AND DISPOSED OF PROPERLY.

10. NUTRIENT MANAGEMENT / FERTILIZER APPLICATION

- a. FERTILIZER WILL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. FERTILIZER WILL NOT BE APPLIED DURING RAINFALL EVENTS OR WINDY CONDITIONS, OR WHEN RAIN IS FORECASTED. FERTILIZER WILL BE PROPERLY SECURED AND STORED UNDER COVER WHEN NOT BEING USED. RESIDUAL FERTILIZER ON PAVED SURFACES WILL BE SWEEPED UP AND DISPOSED OF OR REUSED.

SPILL PREVENTION, RESPONSE, AND REPORTING

MEASURES SUCH AS THE USE OF SECONDARY CONTAINMENT, SPILL PALLETS, AND PROVIDING COVER SHALL BE TAKEN TO PREVENT SPILLS, LEAKS, AND OTHER RELEASES FROM OCCURRING.

EFFORTS WILL BE MADE TO EXPEDITIOUSLY STOP, CONTAIN, AND CLEAN UP SPILLS AND LEAKS UPON DISCOVERY USING DRY CLEANING METHODS (PLACEMENT OF ABSORBENT MATERIALS, SWEEPING, SHOVELING, BAGGING, PROPER DISPOSAL). SPILLS WILL NOT BE FLUSHED, WASHED, AND/OR HOSED DOWN UNLESS THE WASH WATER IS CONTAINED, COLLECTED AND DISPOSED OF PROPERLY.

SPILL KITS WILL BE KEPT ON SITE. THE SPILL KIT SHALL BE LABELED, STOCKED, AND READILY ACCESSIBLE.

SPILL KITS SHOULD CONTAIN APPROPRIATE ITEMS SUCH AS ABSORBENT MATERIALS, PADS, BOOMS, SOCKS, PLASTIC BAGS, AND PERSONAL PROTECTIVE EQUIPMENT (GLOVES, EYE PROTECTION). ADDITIONAL TOOLS TO ASSIST WITH CLEANUP EFFORTS SUCH AS SHOVELS AND BROOMS WILL BE ACCESSIBLE.

EMPLOYEES WILL BE INFORMED OF THE LOCATION OF THE SPILL KIT(S) AND HOW TO RESPOND TO AND REPORT SPILLS.

SPILL RESPONSE AND REPORTING:

- IF SERIOUS HAZARDS ARE PRESENT LEAVE THE AREA AND CALL 911
- IF SPILLED MATERIAL HAS ENTERED A STORM DRAIN OR SURFACE WATER; CALL THE FIRE DEPARTMENT (911)
- NOTIFY PERSONNEL IN AREA OF SPILL AND POTENTIAL DANGERS
- STOP OR CONTAIN THE SPILL SOURCE IF POSSIBLE
- TAKE MEASURES TO PREVENT A SPILL FROM SPREADING AND/OR ENTERING STORM DRAINS
- CLEAN UP SPILL USING DRY METHODS AND DISPOSE OF MATERIALS PROPERLY
- NEVER FLUSH OR "HOSE DOWN" A SPILL DOWN INTO A STORM DRAIN

EMERGENCY CONTACTS:

- ARLINGTON COUNTY FIRE & POLICE 911 / 703-558-2222
- DES WATER, SEWER, STREETS 24-HOUR EMERGENCY 703-228-6555
- WASHINGTON GAS EMERGENCY LINE 703-750-1400

- WATER OR SEWER BREAKS, OR OVERFLOWS WILL BE REPORTED TO ARLINGTON COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES, WATER, SEWER, STREETS 24-HOUR EMERGENCY 703-228-6555
- LEAKING UNDERGROUND STORAGE TANKS WILL BE REPORTED TO THE VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY NORTHERN REGIONAL OFFICE, 703-583-3800 AND THE ARLINGTON COUNTY FIRE PREVENTION OFFICE, 703-228-4644

AUTHORIZED NON-STORMWATER DISCHARGES (STORMWATER MANUAL - SECTION 2.3)

- 1. ONLY THE FOLLOWING NON-STORMWATER DISCHARGES ARE AUTHORIZED BY ARLINGTON COUNTY'S MS4 PERMIT, UNLESS THE STATE WATER CONTROL BOARD OR ARLINGTON COUNTY DETERMINES THE DISCHARGE TO BE A SIGNIFICANT SOURCE OF POLLUTANTS TO SURFACE WATERS:
  - a. WATER LINE FLUSHING (MANAGED IN A MANNER TO AVOID AN INSTREAM IMPACT); LANDSCAPE IRRIGATION; DIVERTED STREAM FLOWS; RISING GROUND WATERS; UNCONTAMINATED GROUND WATER INFILTRATION (AS DEFINED AT 40 CFR 35.2005(20)); UNCONTAMINATED PUMPED GROUND WATER; DISCHARGES FROM POTABLE WATER SOURCES; FOUNDATION DRAINS; AIR CONDITIONING CONDENSATION; IRRIGATION WATER; SPRINGS; WATER FROM CRAWL SPACE PUMPS; FOOTING DRAINS; LAWN WATERING; INDIVIDUAL RESIDENTIAL CAR WASHING; FLOWS FROM RIPARIAN HABITATS AND WETLANDS; DECHLORINATED SWIMMING POOL DISCHARGES; STREET WATER WASHING; DISCHARGES OR FLOWS FROM EMERGENCY FIREFIGHTING ACTIVITIES; AND, OTHER ACTIVITIES GENERATING DISCHARGES IDENTIFIED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY AS NOT REQUIRING VPDES AUTHORIZATION.
- 2. APPROPRIATE CONTROLS MUST BE IMPLEMENTED TO PREVENT ANY NON-STORMWATER DISCHARGES NOT INCLUDED ON THE ABOVE LIST (E.G., CONCRETE WASH WATER, PAINT WASH WATER, VEHICLE WASH WATER, DETERGENT WASH WATER, SLURRY/WASH WATER FROM SAW CUTTING ACTIVITIES, ETC.) FROM BEING DISCHARGED INTO ARLINGTON COUNTY'S MUNICIPAL STORM SEWER SYSTEM (MS4), OR STREAM NETWORK.
- 3. PER CHAPTER 26-7.C OF THE ARLINGTON COUNTY CODE, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DISCHARGE DIRECTLY OR INDIRECTLY INTO THE STORM SEWER SYSTEM OR STATE WATERS, ANY SUBSTANCE LIKELY, IN THE OPINION OF THE COUNTY MANAGER, TO HAVE AN ADVERSE EFFECT ON THE STORM SEWER SYSTEM OR STATE WATERS.

RLD FORM

TEXT IS TO BE NO SMALLER THAN 0.1

REVISED: May 29, 2025

TREE CONSERVATION NOTES:

1. BEFORE ANY GRADING, DEMOLITION, OR OTHER DISTURBANCE, INCLUDING TREE REMOVAL, A PRECONSTRUCTION MEETING SHALL BE HELD WITH AN ARLINGTON COUNTY URBAN FORESTER. CHANGES TO THE PLAN, BASED ON FIELD CONDITIONS, MAY BE REQUESTED BY THE URBAN FORESTER AT THE TIME OF THE PRECONSTRUCTION MEETING.
2. TREE PROTECTION SHALL BE INSTALLED PER PLAN, WITH ANY CHANGES REQUESTED AT THE PRECONSTRUCTION MEETING, AND INSPECTED BY AN ARLINGTON COUNTY URBAN FORESTER. EROSION AND SEDIMENT CONTROLS ARE INSPECTED BY THE DEPARTMENT OF ENVIRONMENTAL SERVICES.
3. REMOVAL OF TREES, NOTED FOR REMOVAL ON THE PLAN, INSIDE A TREE PRESERVATION AREA SHALL BE PERFORMED, BY HAND, WITHOUT GROUND DISTURBANCE, OR DISTURBANCE TO NEARBY PRESERVED TREES. TREES IN THESE AREAS SHALL BE CUT FLUSH TO THE GROUND, WITHOUT STUMP GRINDING.
4. NO CHANGES SHALL BE MADE TO TREE PRESERVATION OR PROPOSED LANDSCAPE UNLESS DIRECTED BY AN ARLINGTON COUNTY URBAN FORESTER.
5. FOLLOW ANSI STANDARDS WHEN PRUNING TREES. ANY PRUNING BEYOND 5% OF THE CANOPY SHALL BE COMMUNICATED TO AND APPROVED BY THE URBAN FORESTER.
6. DO NOT REMOVE TREES ON OTHER PROPERTIES, OR RIGHTS-OF-WAY, WITHOUT WRITTEN PERMISSION OF THE OWNER.
7. TREE PROTECTION AREAS SHALL HAVE ALL NON-NATIVE INVASIVE VINES REMOVED AT THE END OF THE PROJECT. WHERE DEEMED NECESSARY BY THE COUNTY URBAN FORESTER TO ENSURE TREE SURVIVAL, THE PROTECTION AREA SHALL BE COVERED WITH SHREDDED HARDWOOD MULCH, OR OTHER ORGANIC MULCH AS APPROVED BY THE COUNTY URBAN FORESTER.
8. AT THE END OF THE PROJECT, PRESERVED AND PLANTED TREES MUST BE INSPECTED AND APPROVED BY AN ARLINGTON COUNTY URBAN FORESTER.

LANDSCAPE CONSERVATION NOTES:

1. TEXT SIZE TO BE NO LESS THAN 0.10

(INSERT NORTH ARROW)

LEGEND

ITEM	EXISTING	PROPOSED
LIMITS OF DISTURBANCE		
PROPERTY LINE		
CONTOURS - MAJOR, MINOR		
CRITICAL ROOT ZONE		
TREE CANOPY		
TREE PROTECTION FENCE		
PROPOSED TREE REMOVAL		
TREE CANOPY CONSERVED		

CANOPY CALCULATIONS

CANOPY CALCULATION (SQUARE FEET)	
PARCEL SIZE	
TREE CANOPY REQUIRED	
LARGE CANOPY TREE CONSERVED (X2 BONUS)	
SMALL CANOPY OR NON-NATIVE, NON-INVASIVE TREE CANOPY CONSERVED	
TREE CANOPY REMAINING TO PLANT	
TREE CANOPY PLANTED	
TOTAL TREE CANOPY (CONSERVATION AND PLANTING)	

TREE SURVEY INFORMATION

PROPERTY ADDRESS														
TREE SURVEY INFORMATION COMPLETED BY: FAKE NAME MA-1234A    DATE														
	TREE #	SPECIES	COMMON NAME	SIZE (DBH)	CONDITION (%)	CRZ IMPACTED (%)	ACTION REMOVE/CONSERVE	REPLACEMENT CALCULATION	REPLACEMENT TOTAL	CANOPY CONSERVED (SF)	CANOPY CONSERVED INCLUDING CREDIT	RPA (YES/NO)	MATURE TREE (YES/NO)	NOTES
TOTAL:														

EXISTING VEGETATION AND  
TREE PROTECTION PLAN

(INSERT SCALE)

TREE PLANTING:

- PLANTS SHALL BE FURNISHED AND INSTALLED AS INDICATED ON THE LANDSCAPE PLAN.
- PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY, AND COMPLY WITH MOST RECENT ANSI Z60.1 STANDARDS.
- PLANTS SHALL BE PLANTED ON THE DAY OF DELIVERY. IF THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE-DAY PERIOD AFTER DELIVERY. ANY PLANTS NOT INSTALLED DURING THIS PERIOD SHALL BE REJECTED. ALL PLANTS KEPT ON SITE FOR ANY PERIOD SHOULD BE WATERED AND CARED FOR USING ANSI A300 STANDARDS.
- NO STAKES SHALL BE USED TO STABILIZE TREES, UNLESS DIRECTED BY THE ARLINGTON COUNTY URBAN FORESTER.
- TREES PLANTED SHALL RECEIVE A 3 INCH THICK LAYER OF SHREDDED HARDWOOD MULCH, IN A 6 FOOT RING SURROUNDING THE TREE, WITH A 6 INCH CLEAR AREA NEAR THE TRUNK.
- PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME TO DAMAGE THE BARK OR BREAK BRANCHES. PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE ROOT BALL ONLY.
- PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOP SOIL THAT IS IN MUDDY OR FROZEN CONDITION. TREES AND SHRUBS SHALL BE INSTALLED BETWEEN 09/15 AND 12/15 OR BETWEEN 03/15 AND 06/15. CONTACT THE ARLINGTON COUNTY URBAN FORESTER TO OBTAIN A DEFERRAL OR APPROVAL FOR PLANTING OUT OF SEASON.
- NO PLANT, EXCEPT GROUNDCOVERS, SHALL BE PLANTED WITHIN TWO FEET OF A SIDEWALK, 5 FEET FROM A FENCE, 10 FEET FROM A BUILDING, OR 15 FEET FROM OVERHEAD UTILITY LINES.
- TREES AND SHRUBS SHALL BE PLANTED IN HOLES TWO TO THREE TIMES AS WIDE AND TO THE DEPTH OF THE ROOT BALL.
- PLANTS SHALL BE PLANTED IN HEALTHY, UNCOMPACTED SOIL. SEE THE PLANTING DETAIL FOR SOIL SPECIFICATIONS.
- SET ALL PLANTS PLUMB AND STRAIGHT AT SUCH LEVEL THAT NORMAL OR NATURAL RELATIONSHIP BETWEEN THE PLANT AND THE GROUND SURFACE WILL BE ESTABLISHED. LOCATE THE PLANT IN THE CENTER OF THE PIT.
- INJURED ROOTS SHALL BE PRUNED TO CLEAN ENDS BEFORE PLANTING WITH CLEAN, SHARP TOOLS. THE LEADER OF TREES SHALL NOT BE CUT BACK.
- AT THE END OF THE PROJECT, PRESERVED AND PLANTED TREES MUST BE INSPECTED AND APPROVED BY AN ARLINGTON COUNTY URBAN FORESTER.

LANDSCAPE CONSERVATION NOTES:

- TEXT SIZE TO BE NO LESS THAN 0.10

(INSERT NORTH ARROW)

LEGEND		
ITEM	EXISTING	PROPOSED
LIMITS OF DISTURBANCE		
PROPERTY LINE		
CONTOURS - MAJOR, MINOR		
CRITICAL ROOT ZONE		
TREE CANOPY		
TREE PROTECTION FENCE		
PROPOSED TREE		
PROPOSED TREE REMOVAL		

TREE PLANTING CALCULATIONS

TREE PLANTING							
SYMBOL OR KEY	SPECIES	COMMON NAME	SIZE	QUANTITY	SPACING	COVERAGE (SF)	SOIL VOLUME
			TOTAL:		TOTAL:		

ROW REPLACEMENT							
SYMBOL OR KEY	SPECIES	COMMON NAME	SIZE	QUANTITY	SPACING	REPLACEMENT	SOIL VOLUME
			TOTAL:		TOTAL:		

CANOPY CALCULATIONS

CANOPY CALCULATION (SQUARE FEET)	
PARCEL SIZE	
TREE CANOPY REQUIRED	
LARGE CANOPY TREE CONSERVED (X2 BONUS)	
SMALL CANOPY TREE CANOPY CONSERVED	
TREE CANOPY REMAINING TO PLANT	
TREE CANOPY PLANTED	
TOTAL TREE CANOPY (CONSERVATION AND PLANTING)	

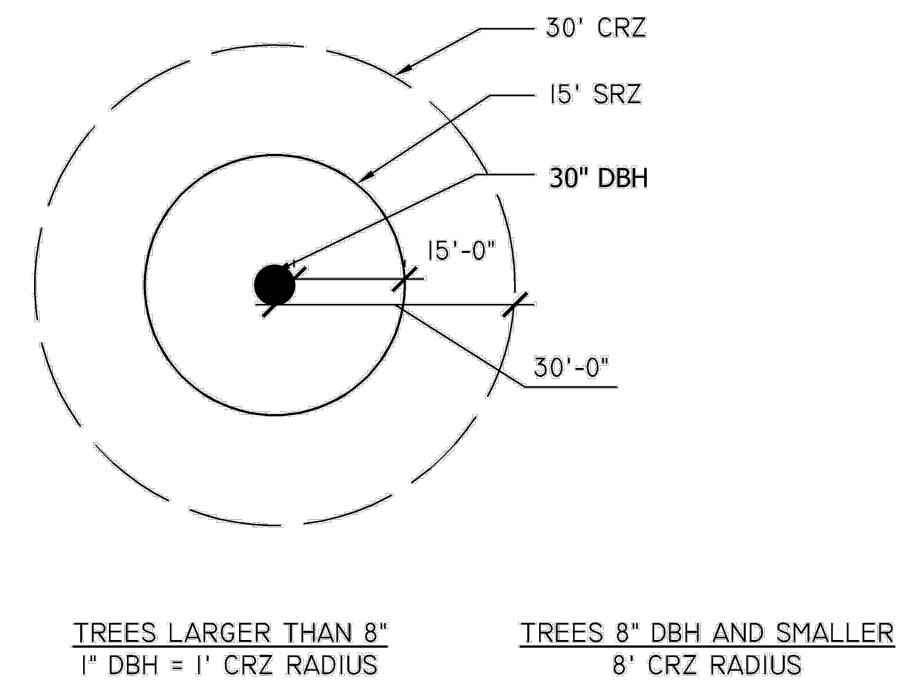
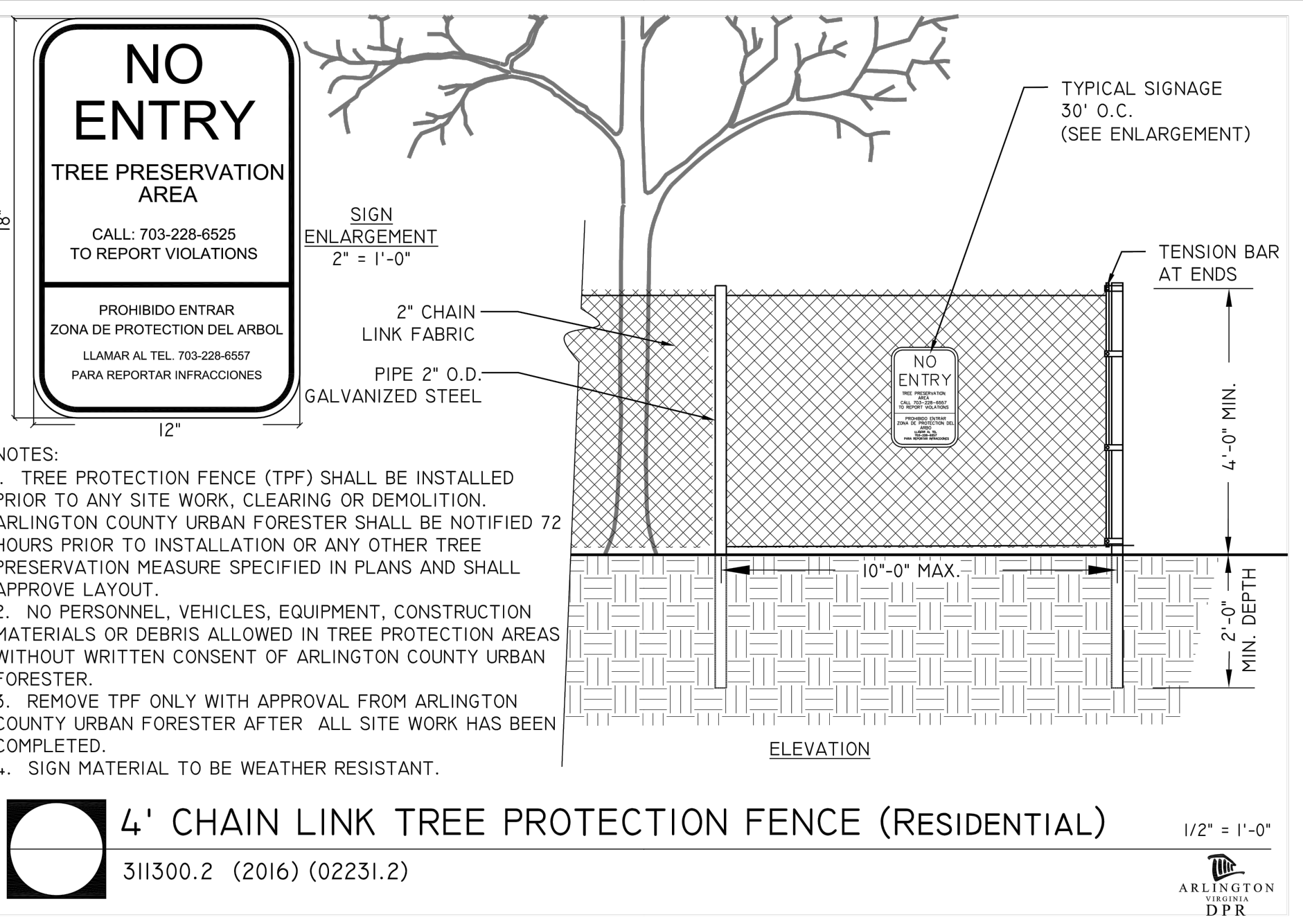
LANDSCAPE CONSERVATION PLAN

(INSERT SCALE)



LETTER TO NEIGHBOR

LETTER TO NEIGHBOR



CRITICAL ROOT ZONE DELINEATION  
PLAN 311300.3 (2024)

THIS DETAIL SUPERSEDES ALL  
OTHER CRZ DETAILS IN ARLINGTON COUNTY.



CERTIFIED MAIL RECEIPTS

REVISÉ: May 29, 2025

## **DRAINAGE AREA MAP NARRATIVE**

TEXT SIZE TO BE NO LESS THAN 0.10

1. TEXT SIZE TO BE NO LESS THAN 0.10

1. TEXT SIZE TO BE NO LESS THAN 0.10

## LIMITS OF DISTURBANCE

PROPERTY LINE

EXISTING CONTOUR

PROPOSED CONTOUR

EXISTING DRAINAGE DIVIDE

PROPOSED DRAINAGE DIVIDE

IMPERVIOUS AREA CALCULATIONS				
	PRE-DEVELOPMENT		POST-DEVELOPMENT	
	TO ROW	TO ADJACENT	TO ROW	TO ADJACENT
ROOF				
DRIVEWAY				
PATIO				
WALKS				
RETAINING WALLS				
SHED				
<b>TOTAL</b>	<b>####</b>	<b>####</b>	<b>####</b>	<b>####</b>

	PRE-DEVELOPMENT		POST-DEVELOPMENT	
	TO ROW	TO ADJACENT	TO ROW	TO ADJACENT
ROOF				
DRIVEWAY				
PATIO				
WALKS				
RETAINING WALLS				
SHED				
<b>TOTAL</b>	<b>####</b>	<b>####</b>	<b>####</b>	<b>####</b>

## PRE-DEVELOPMENT

TO ADJACENT

## POST-DEVELOPMENT

TO ROW	TO ADJACENT
--------	-------------

ROOF

DRIVEWAY

PATIO

RETAINING WALLS

SHED

<b>TOTAL</b>	100%
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## DRAINAGE AREA MAPS

SWM1

(ADD LATEST VERSION OF CONSTRUCTION INSPECTION CHECKLIST FOR APPROPRIATE BMP FACILITY FROM APPENDIX G ON COUNTY LDA/STORMWATER PERMIT DETAILS WEBSITE <https://www.arlingtonva.us/Government/Programs/Building/Permits/Land-Disturbing-Activity-Stormwater/Land-Disturbing-ActivityStormwater-Permit-Details>)

(INSERT NORTH ARROW)

STORMWATER MANAGEMENT NARRATIVE

TABLE 1

Impervious cover increase (SF)	Minimum required storage volume (cf)
0-99	10.0
100-199	22.0
200-299	29.0
300-499	51.0
500-750	77.0

Impervious cover increase (SF)	Minimum required storage volume from Table 1 (cf)

INSTRUCTIONS:

STEP 1:  
USE TABLE 1 TO DETERMINE MINIMUM REQUIRED STORAGE VOLUME REQUIRED BASED ON SITE IMPERVIOUS INCREASE.

STEP 2:  
DETERMINE ROOF AREAS TO EACH DOWNSPOUT IN DOWNHILL DRAINAGE AREA (DDA) AND NON-DOWNHILL DRAINAGE AREA (NDDA).

- STEP 3: DOWNHILL DRAINAGE AREA (DDA) REQUIREMENTS
- PROVIDE DRY WELLS WITH MINIMUM 0.5 INCH RAINFALL SIZING FOR EACH DOWNSPOUT IN DDA
  - DRY WELLS ARE REQUIRED FOR EACH DOWNSPOUT IN THE DDA EVEN IF THE VOLUME PROVIDED EXCEEDS THE MINIMUM SITE VOLUME REQUIREMENT.
  - IF PROVIDING DRY WELLS WITH MINIMUM 0.5 INCH RAINFALL SIZING FOR EACH DOWNSPOUT IN THE DDA DOES NOT MEET THE MINIMUM SITE VOLUME REQUIREMENT, INCREASE DRY WELL VOLUME UNTIL ANY OF THE FOLLOWING OCCUR:
    - MINIMUM SITE VOLUME IS MET
    - ALL DRY WELLS ARE SIZED FOR MAXIMUM 1 INCH RAINFALL
    - EACH DOWNSPOUT DISCHARGES TO THE MAXIMUM 4 DRY WELL LIMIT
  - IF REQUIRED STORAGE VOLUME STILL REMAINS, PROCEED TO STEP 4.

STEP 4: NON-DOWNHILL DRAINAGE AREA (NDDA) REQUIREMENTS  
PROVIDE ADDITIONAL DRY WELLS WITH MINIMUM 0.5 INCH RAINFALL SIZING FOR ADDITIONAL DOWNSPOUTS IN THE NDDA UNTIL THE SITE DETENTION VOLUME IS MET.

Downspout

DDA	Roof area (SF)	Sizing (in)	Volume (cf)	Sizing validation
1		0.5	0.0	
2			0.0	
3			0.0	
4			0.0	

0.0 Check that drywell sizing is maximized before proceeding to NDDA downspouts

NDDA	Roof area (SF)	Sizing (in)	Volume (cf)	Sizing validation
1		0.5	0.0	
2			0.0	
3			0.0	
4			0.0	

0.0 Check that drywell sizing is maximized before speaking with plan reviewer

Release

Drywell ID	Drywell unit volume (gal)	Number of drywells required	Drywell Validation
D-DW-1	50	0	
D-DW-2	50	0	
D-DW-3	50	0	
D-DW-4	50	0	

Drywell ID	Drywell unit volume (gal)	Number of drywells required	Drywell Validation
N-DW-1	50	0	
N-DW-2	50	0	
N-DW-3	50	0	
N-DW-4	50	0	

NOTE:  
DRY WELL RELEASE: **100% VOID**  
MAXIMUM OF FOUR-50 GALLON DRY WELLS

MANUFACTURED DRY WELL DETAIL, MATERIAL SPECIFICATIONS, AND MAINTENANCE SCHEDULE

