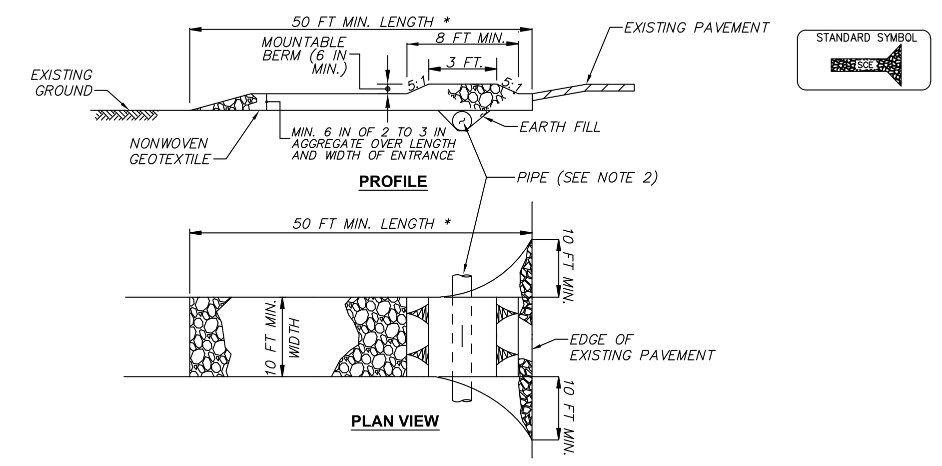
GOVERNMENT OF THE DISTRICT OF COLUMBIA
PERMIT OPERATIONS DIVISION
PLANS APPROVED
Permit No. BCIV2300110 Date 11/16/23

These plans are conditionally approved as submitted or noted during plan review and are subject to field inspection. Approved plans must be kept on site and are needed for all inspections. No changes or modifications to these plans. Changes require a revision permit with the revised plans. Trade Permits are required for trade work, e.g. Electrical or Plumbing

Structural Review - Glenn Kechejian - 11-16-2023
DDOT Review - Shawntanishia Zackery - 11-16-2023
DOEE SE-SW Review - Saba Gharavi - 11-16-2023
HPRB Review - Timothy Dennee - 11-16-2023
DC Water Review - Vahid Bilvardi - 11-16-2023




**CONSTRUCTION SPECIFICATIONS**

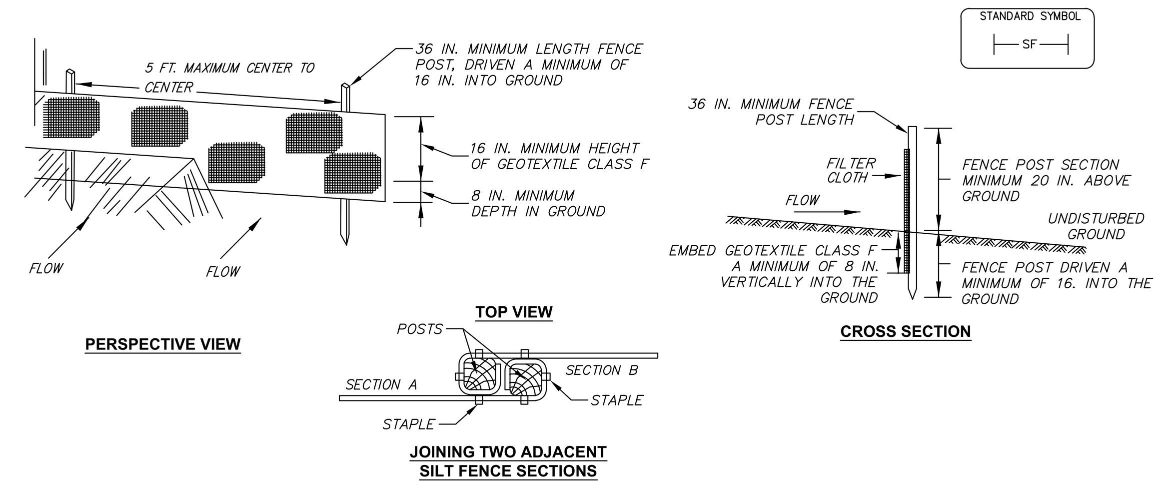
1. PLACE THE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE A MINIMUM LENGTH OF 50 FEET (*30 FEET FOR SINGLE–FAMILY RESIDENCE LOT) AND A MINIMUM WIDTH OF 10 FEET. FLARE THE SCE AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
2. PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE MAINTAINING POSITIVE DRAINAGE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. PROVIDE PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN THE SCE IS NOT LOCATED AT A HIGH SPOT.
3. PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE.
4. PLACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SCE.
5. MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

DATE APPR REVISED ISSUED: REFERENCE

**STABILIZED CONSTRUCTION ENTRANCE**

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT
DWG. NO 201.1

## 1 CIV0830 CONSTRUCTION ENTRANCE
NOT TO SCALE




**CONSTRUCTION SPECIFICATIONS**

1. FENCE POSTS MUST BE A MINIMUM OF 36 IN. LONG DRIVEN 16 IN. MINIMUM INTO THE GROUND. WOOD POSTS MUST BE OF SOUND QUALITY HARDWOOD WITH 1–1/2 IN. MINIMUM WIDTH WHEN SQUARE CUT, OR 1–3/4 IN. MINIMUM DIAMETER WHEN ROUND. STEEL POSTS MUST BE STANDARD T OR U SECTION WEIGHING NOT LESS THAN 1.00 POUND PER LINEAR FOOT.
2. FASTEN GEOTEXTILE SECURELY TO EACH FENCE POST WITH WIRE TIES OR STAPLES AT TOP AND MID–SECTION. GEOTEXTILE MUST MEET THE FOLLOWING REQUIREMENTS (GEOTEXTILE CLASS F):

| PROPERTY | VALUE | TEST METHOD |
|---|---|---|
| TENSILE STRENGTH | 50 LBS/IN (MIN.) | ASTM D–4595 |
| TENSILE MODULUS | 20 LBS/IN (MIN.) | ASTM D–4595 |
| FLOW RATE | 0.3 GAL/FT² /MINUTE (MAX.) | ASTM D–5141 |
| FILTERING EFFICIENCY | 75% (MIN.) | ASTM D–5141 |

3. WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, OVERLAP, FOLD, AND STAPLE THEM TO PREVENT SEDIMENT BYPASS.
4. INSPECT SILT FENCE AFTER EACH RAINFALL EVENT, AT LEAST DAILY DURING SUSTAINED RAINFALL EVENTS, AND MAINTAIN WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHES 30% OF THE FABRIC HEIGHT.

DATE APPR REVISED ISSUED: REFERENCE

**SILT FENCE-1**

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT
DWG. NO 301.1

**SILT FENCE DESIGN CRITERIA:**

| TABLE 3.1: SILT FENCE SLOPE LENGTH AND FENCE LENGTH CONSTRAINTS | | |
|---|---|---|
| SLOPE STEEPNESS | SLOPE LENGTH (MAXIMUM) (FEET) | SILT FENCE LENGTH (MAXIMUM) (FEET) |
| FLATTER THAN 50:1 (2%) | UNLIMITED | UNLIMITED |
| > 50:1 TO 10:1 (2% to 10%) | 125 | 1,000 |
| > 10:1 TO 5:1 (10% to 20%) | 100 | 750 |
| > 5:1 TO 3:1 (20% to 33%) | 60 | 500 |
| > 3:1 TO 2:1 (33% to 50%) | 40 | 250 |
| > 2:1 (> 50%) | 20 | 125 |

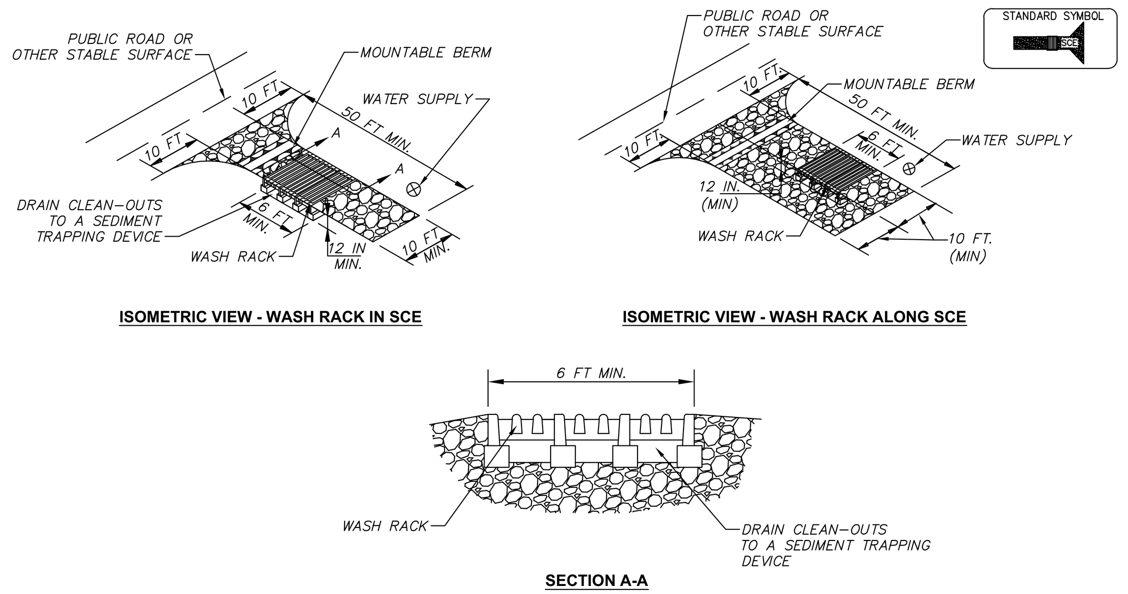
NOTE:
- IN AREAS OF LESS THAN 2% SLOPE AND SANDY SOILS (USDA GENERAL CLASSIFICATION SYSTEM, SOIL CLASS A) MAXIMUM SLOPE LENGTH AND SILT FENCE LENGTH WILL BE UNLIMITED. IN THESE AREAS A SILT FENCE MAY BE THE ONLY PERIMETER CONTROL REQUIRED.
- TO AVOID CIRCUMVENTION, EXTEND THE ENDS OF THE SILT FENCE UPSLOPE TO PREVENT WATER AND SEDIMENT FROM FLOWING AROUND THE ENDS OF THE FENCE.

DATE APPR REVISED ISSUED: REFERENCE

**SILT FENCE-2**

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT
DWG. NO 301.2

## 3 CIV0830 SILT FENCE
NOT TO SCALE




**CONSTRUCTION SPECIFICATIONS**

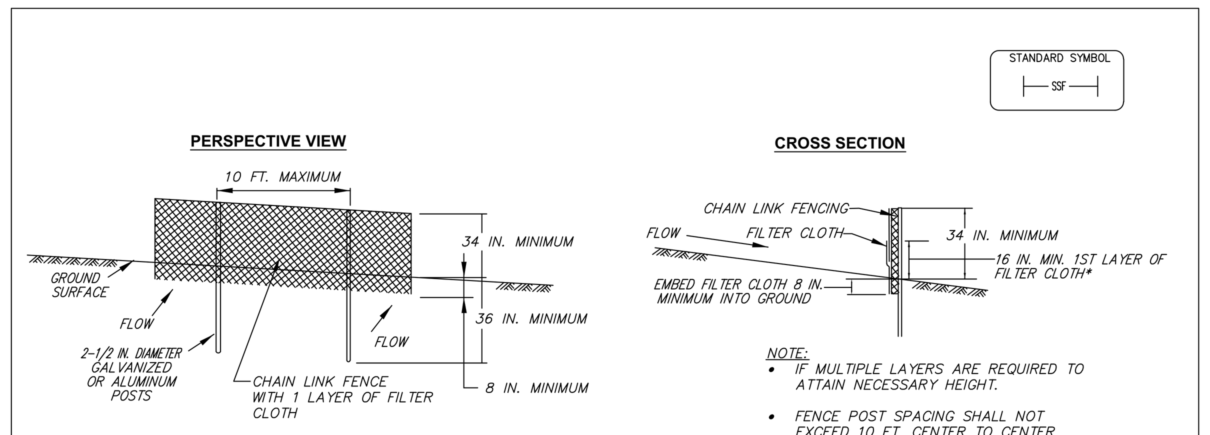
1. USE A WASH RACK DESIGNED AND CONSTRUCTED/MANUFACTURED FOR THE ANTICIPATED TRAFFIC LOADS. CONCRETE, STEEL, OR OTHER MATERIALS ARE ACCEPTABLE. PRE–FABRICATED UNITS SUCH AS CATTLE GUARDS ARE ACCEPTABLE. USE MINIMUM DIMENSION OF 6 FEET x 10 FEET. ORIENT DIRECTION OF RIBS AS SHOWN ON THE DETAIL. APPROACHES TO THE WASH RACK SHOULD BE A MINIMUM OF 25 FEET ON BOTH SIDES.
2. INSTALL PRIOR TO, ALONG SIDE OF, OR AS PART OF THE SCE.
3. DIRECT WASH WATER TO AN APPROVED SEDIMENT TRAPPING DEVICE.
4. KEEP AREA UNDER WASH RACK FREE OF ACCUMULATED SEDIMENT. IF DAMAGED, REPAIR OR REPLACE WASH RACK.

DATE APPR REVISED ISSUED: REFERENCE

**STABILIZED CONSTRUCTION ENTRANCE WITH WASH RACK**

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT
DWG. NO 202.1

## 2 CIV0830 CONSTRUCTION ENTRANCE WITH WASH RACK
NOT TO SCALE




NOTE:
- IF MULTIPLE LAYERS ARE REQUIRED TO ATTAIN NECESSARY HEIGHT.
- FENCE POST SPACING SHALL NOT EXCEED 10 FT. CENTER TO CENTER.

**CONSTRUCTION SPECIFICATIONS**

1. FENCING MUST BE AT LEAST 42 INCHES IN HEIGHT AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST DISTRICT DEPARTMENT OF TRANSPORTATION (DDOT) DETAILS FOR CHAIN LINK FENCING. THE DDOT SPECIFICATION FOR A 6–FOOT FENCE MUST BE USED, SUBSTITUTING MINIMUM 42–INCH FABRIC AND 6–FOOT LENGTH POSTS. POSTS DO NOT NEED TO BE SET IN CONCRETE.
2. SECURELY FASTEN CHAIN LINK FENCE TO THE FENCE POSTS WITH WIRE TIES. THE LOWER TENSION WIRE, BRACE AND TRUSS RODS, DRIVE ANCHORS AND POST CAPS ARE NOT REQUIRED EXCEPT ON THE ENDS OF THE FENCE.
3. SECURELY FASTEN GEOTEXTILE TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID–SECTION.
4. EMBED GEOTEXTILE A MINIMUM OF 8 INCHES INTO THE GROUND.
5. WHEN TWO SECTIONS OF GEOTEXTILE FABRIC ADJOIN EACH OTHER, FOLD AND OVERLAP BY 6 INCHES.
6. GEOTEXTILE MUST MEET THE FOLLOWING REQUIREMENTS FOR GEOTEXTILE CLASS F (FROM TABLE 3.2–SEE BELOW):

| PROPERTY | VALUE | TEST METHOD |
|---|---|---|
| TENSILE STRENGTH | 50 LBS/IN (MIN.) | ASTM D–4595 |
| TENSILE MODULUS | 20 LBS/IN (MIN.) | ASTM D–4595 |
| FLOW RATE | 0.3 GAL/FT² /MINUTE (MAX.) | ASTM D–5141 |
| FILTERING EFFICIENCY | 75% (MIN.) | ASTM D–5141 |

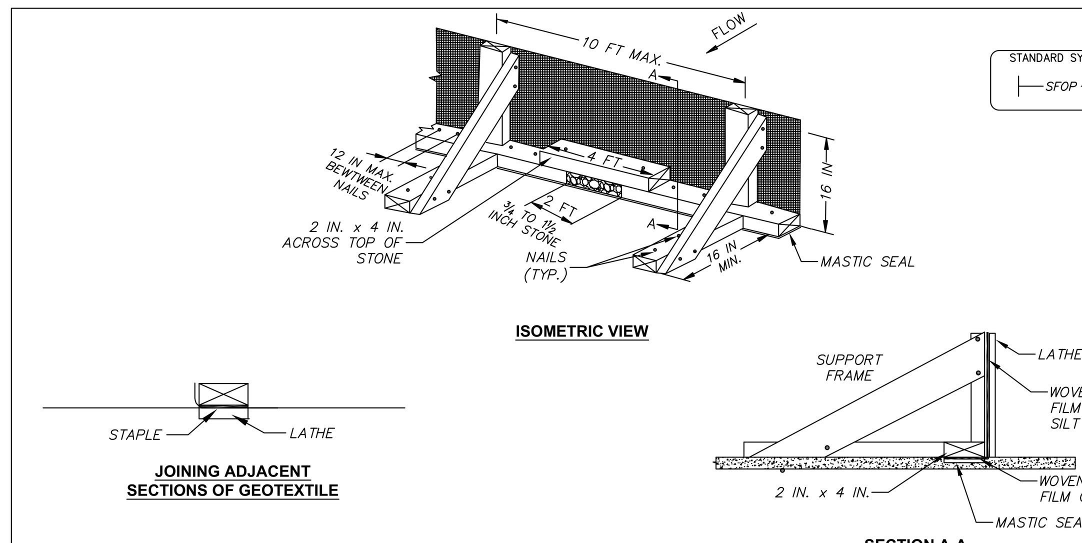
7. INSPECT SUPER SILT FENCE AFTER EACH RAINFALL EVENT, AT LEAST DAILY DURING SUSTAINED RAINFALL EVENTS, AND MAINTAIN WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHES 30% OF THE FABRIC HEIGHT.

DATE APPR REVISED ISSUED: REFERENCE

**SUPER SILT FENCE-1**

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT
DWG. NO 302.1

## 4 CIV0830 SUPER SILT FENCE
NOT TO SCALE




**CONSTRUCTION SPECIFICATIONS**

1. USE NOMINAL 2 INCH BY 4 INCH LUMBER.
2. USE WOVEN SLIT FILM GEOTEXTILE, AS SPECIFIED IN APPENDIX A.
3. SPACE UPRIGHT SUPPORTS NO MORE THAN 10 FEET APART.
4. PROVIDE A 2–FOOT OPENING BETWEEN EVERY SET OF SUPPORTS AND PLACE STONE IN THE OPENING OVER GEOTEXTILE.
5. KEEP SILT FENCE TAUT AND SECURELY STAPLE TO THE UPSLOPE SIDE OF UPRIGHT SUPPORTS. EXTEND GEOTEXTILE UNDER 2x4.
6. WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN – OVERLAP, FOLD, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL. ATTACH LATHE.
7. PROVIDE A MASTIC SEAL BETWEEN PAVEMENT, GEOTEXTILE, AND 2x4 TO PREVENT SEDIMENT–LADEN WATER FROM ESCAPING BENEATH SILT FENCE INSTALLATION.
8. SECURE BOARDS TO PAVEMENT WITH 40D 5–INCH MINIMUM LENGTH NAILS.
9. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. MAINTAIN WATER TIGHT SEAL ALONG BOTTOM. REPLACE STONE IF DISPLACED.

DATE APPR REVISED ISSUED: REFERENCE

**SILT FENCE ON PAVEMENT**

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT
DWG. NO 310.1

## 5 CIV0830 SILT FENCE IN PAVEMENT
NOT TO SCALE

## CONSTRUCTION ENTRANCE SPECIFICATIONS

1. LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE & SHOULD NOT BE USED ON EXISTING PAVEMENT
2. CRUSHED AGGREGATE (2" TO 3"), OR EQUIVALENT SHALL BE PLACED AT LEAST 6" DEEP OVER THE ENTIRE ENTRANCE. APPROACHES TO THE WASH RACK SHOULD BE LINED WITH CRUSHED AGGREGATE (2"–3") 4 ROCK A MINIMUM OF 25' ON BOTH SIDES.
3. GEOTEXTILE CLASS SE SHALL BE PLACED OVER THE EXISTING GROUND PRIOR TO STONE.
4. STANDARD DIMENSIONS SHOWN ON STANDARD CONSTRUCTION DETAIL 2. LENGTH AS REQUIRED, BUT NOT LESS THAN 50' (EXCEPT ON RESIDENCE LOT WERE A 30' MIN LENGTH WOULD APPLY.) ENTRANCE SHOULD FLARE AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
5. A METAL WASH RACK IS AN ACCEPTABLE ALTERNATIVE TO REINFORCED CONCRETE.
6. THE WASH RACK SHOULD DISCHARGE TO A SEDIMENT REMOVAL FACILITY, SUCH AS A VEGETATED FILTER STRIP OR INTO A CHANNEL LEADING TO A SEDIMENT REMOVAL DEVICE, (IE. SEDIMENT TRAP OR TANK.)
7. IF ENTRANCE IS NOT AT A HIGH SPOT, ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED UNDER THE ENTRANCE TO MAINTAIN POSITIVE DRAINAGE. THE PIPE SHALL BE A MINIMUM OF 6" IN DIAMETER AND SHALL BE PROTECTED WITH A MOUNTABLE BERM.
8. WHERE THE STABILIZED CONSTRUCTION ENTRANCE CREATES AN OPENING IN PERIMETER SILT FENCE, THE SILT FENCE SHALL BE SECURELY TIED INTO THE MOUNTABLE BERM AT ITS CENTERLINE TO PROVIDE A CONTINUOUS BARRIER.
9. STABILIZED CONSTRUCTION ENTRANCES WITH WASH RACKS SHOULD BE MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK WHEN NECESSARY AT THE END OF EACH WORKDAY. A STOCKPILE OF ROCK MATERIAL SHALL BE KEPT ONSITE FOR THIS PURPOSE.
10. SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE. NOTE: WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE WAYS IS NOT ACCEPTABLE UNLESS A SEDIMENT FILTER BED IS INSTALLED IN THE DITCH OR CATCH BASIN.

VIKA CAPITOL
ENGINEERS ★ PLANNERS ★ LANDSCAPE ARCHITECTS ★ SURVEYORS ★ GEOMATICS
PROJECT COORDINATOR: BRIAN RUHL
ruhl@vikacapitol.com
VIKA CAPITOL, LLC ★ 4910 MASSACHUSETTS AVENUE, NW SUITE 16
WASHINGTON, DC 20016 ★ PHONE: 202.244.4140
WWW.VIKACAPITOL.COM

# MARET SCHOOL PROPOSED ATHLETIC FIELDS
**SQUARE 2319, LOT 832**
**5901 UTAH AVE NW**
WASHINGTON, D.C. 20015

# SEDIMENT AND EROSION CONTROL NOTES AND DETAILS

VIKA CAPITOL REVISIONS

| # | DATE | DESCRIPTION |
|---|---|---|

**NOTE
THE INFORMATION, DESIGN AND CONTENT OF THE DRAWINGS OR DOCUMENTS ATTACHED HERETO ARE PROPRIETARY TO VIKA CAPITOL, LLC AND CONSTITUTE ITS PROPRIETARY INTELLECTUAL PROPERTY. THE ATTACHED DRAWINGS AND/OR DOCUMENTS MUST NOT BE FORWARDED, SHARED, COPIED, DIGITALLY CONVERTED, MODIFIED, OR USED FOR ANY PURPOSE, IN ANY FORMAT, WITHOUT PRIOR WRITTEN AUTHORIZATION FROM VIKA CAPITOL, LLC. VIOLATIONS MAY RESULT IN PROSECUTION. ONLY APPROVED, SIGNED AND SEALED PLANS OR DRAWINGS MAY BE UTILIZED FOR CONSTRUCTION PURPOSES.

DISTRICT OF COLUMBIA KYLE U. OLIVER PE900770 CIVIL PROFESSIONAL ENGINEER 3/17/2023

DATE: 23–FEB–2023
DES. KUO DWN. BJR
SCALE: AS SHOWN
PROJECT/FILE NO. VC0626D
SHEET NO. CIV0830

Board of Zoning Adjustment
District of Columbia
CASE NO.21100
EXHIBIT NO.73H