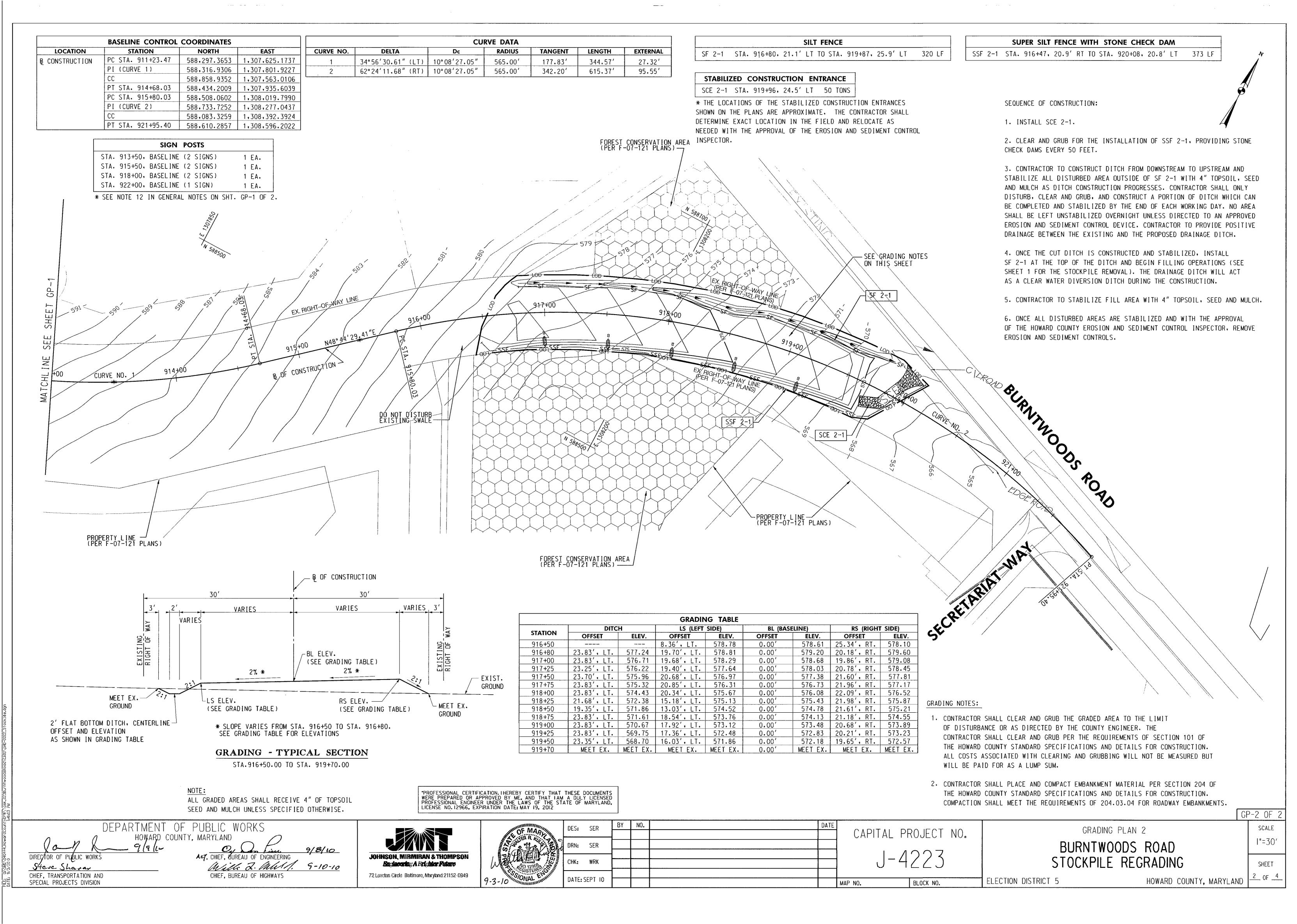
PROJECT GENERAL NOTES: 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY AND MSHA GRADING TABLE **BASELINE CONTROL COORDINATES CURVE DATA** STANDARDS AND SPECIFICATIONS IF APPLICABLE. LOCATION NORTH **EAST** DELTA **RADIUS TANGENT** LOCATION STATION CURVE NO. Dc LENGTH EXTERNAL STATION POINT OFFSET ELEV. 34°56′30.61″ (LT) 10°08′27.05″ 565.00′ 177.83 344.57 27.32′ POT STA: 906+03.41 B CONSTRUCTION 588,240,1471 | 1,307,108,2762 2. ALL INFORMATION AND DETAILS ON THESE DRAWINGS SHALL BE CONSTRUCTED AS PER THE PLANS OR AS DIRECTED BY THE HOWARD 24.15', LT. 906+34 COUNTY ENGINEER. PC STA. 911+23.47 588,297,3653 1,307,625.1737 906+25 6.64', RT 579 SURVEY CONTROL POINTS PI (CURVE 1) <u>588,316,9306</u> | 1,307,801,9227 906+59 27.31', LT. 578 ALL STATIONING AND DIMENSIONING ARE TO BE FIELD VERIFIED BY THE CONTRACTOR. DESC. NO. NORTHING **EASTING** ELEV. 1,307,563.0106 588,858,9352 11.95', RT. 906+55 1.306.956.45 | 587.67 588,257.78 REBAR & CAP 104 PT STA. 914+68.03 588,434,2009 | 1,307,935,6039 4. STORM DRAINAGE SLOPES ARE TO BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE HOWARD COUNTY ENGINEER. 906+83 43.31', LT. 577 27.08', LT. 906+74 5. APPROXIMATE LOCATIONS OF EXISTING UTILITIES ARE SHOWN. THESE LOCATIONS ARE BASED ON UTILITY PLANS OR TOPOGRAPHIC SURVEYS. 906+72 14.79', RT. 577 THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. 907+16 37.72', LT. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER BY THE CONTRACTOR AT THE 907+60 | 23.50', LT. | 577 CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) DAYS BEFORE STARTING 10 18.55', RT. 907+67 577 WORK SHOWN ON THESE PLANS. SIGN POSTS 11 907+63 41.28', LT. 578 HOWARD COUNTY BUREAU OF UTILITIES 410-313-4900 COMCAST 410-461-1362 908+03 578 26.49', LT. STA. 906+05, BASELINE (1 SIGN) 1 EA. 13 BGE (CONTRACTOR SERVICES) 410-850-4620 HOWARD COUNTY DIVISION OF CONSTRUCTION INSPECTION 410-313-1880 7.87', RT. 908+09 STA. 908+50, BASELINE (2 SIGNS) 1 EA. BGE (UNDERGROUND DAMAGE CONTROL) 410-787-9068 VERIZON 1-800-743-0033 / 410-224-9210 14 21.87', LT. 579 STA. 911+00, BASELINE (2 SIGNS) 1 EA. 908+50 2.78', RT. 579 MISS UTILITY 1-800-257-7777 * SEE NOTE 12 IN GENERAL NOTES. 6. SEE HOWARD COUNTY STANDARD DETAILS NO'S G-1.01 AND G-1.02 FOR STANDARD SYMBOLS AND ABBREVIATIONS. 7. HORIZONTAL COORDINATES ARE BASED ON MD NAD 83/91 HORIZONTAL DATUM TRANSFERRED FROM HOWARD COUNTY CONTROL STATIONS; 21BA, 21CB, 21CMT4, AND 21CMT3 21BA N 588,125,209 21CB N 588,188,071 21CMT4 N 586.415.548 21CMT3 N 588,128,927 E 1,306,716.637 E 1,307,130,461 E 1.303.655.319 E 1,307,240,474 ELEV. 589.835 ELEV. 578.371 ELEV. 532.019 ELEV. 572.972 8. TOPOGRAPHY SURVEY INFORMATION BASED ON FIELD SURVEY PERFORMED BY HOWARD COUNTY DPW DATED MARCH, 2010. 9. INFORMATION SHOWN ADJACENT TO THIS PROJECT AND OUTSIDE THE COUNTY RIGHT-OF-WAY AS WELL AS THE EXISTING RIGHT-OF-WAY LINES ARE TAKEN FROM THE NEWSHAWAT PROPERTY PLANS, F-07-121, THIS IS FOR INFORMATION ONLY, CONTRACTOR SHALL VERIFY THIS INFORMATION. 10. NO OFFSITE BORROW IS REQUIRED FOR THIS CONSTRUCTION UNLESS DIRECTED OTHERWISE BY THE COUNTY ENGINEER. THE CONTRACTOR WITH APROVAL FROM THE COUNTY ENGINEER SHALL ADJUST THE PROPOSED FILL GRADING SHOWN ON SHEET GP-2 AS NECESSARY TO ACCOMODATE THE MATERIAL GENERATED FROM THE EXISTING STOCKPILE REMOVAL SHOWN ON SHEET GP-1. EXISTING SEPTIC IN 588400 _N-588400 (PER F-07-121 PLANS) 11. ALL WORK SHALL BE PERFORMED WITHIN THE EXISTING COUNTY RIGHT-OF-WAY. 12. RIGHT OF WAY SIGNAGE SHALL BE INSTALLED ON 2" GALVANIZED STEEL. PERFORATED, SQUARE TUBE POST (14 GAUGE) INSERTED INTO A 2-1/2" GALVANIZED STEEL, PERFORATED SQUARE TUBE SLEEVE (12 GAUGE) - 3' LONG, A GALVANIZED STEEL CAP SHALL BE MOUNTED ON TOP OF EACH POST. CONTRACTOR SHALL FURNISH AND INSTALL POSTS (7 TOTAL). THE COUNTY WILL FURNISH SIGNS (12 TOTAL) TO BE INSTALLED BY THE CONTRACTOR ON THE SIGN POSTS. LOCATIONS ARE SHOWN ON PLANS HOWEVER CONTRACTOR SHALL RECEIVE FINAL APPROVAL FROM THE COUNTY ENGINEER ON LOCATIONS PRIOR TO INSTALLATION, INSTALLATION OF SIGNS SHALL BE INCIDENTAL TO THE COST OF THE SIGN POSTS. TP 1-1 DF 1-2 SB/1-1 EX. RIGHT-OF-WAY LINE (PER F-07-121 PLANS) DF 1-1 14600 BURNTWOODS ROAD B OF CONSTRUCTION 911+00 907+00 EX. TP 1-3+ EX. RIGHT-OF-WAY LINE (PER F-07-121 PLANS) FX. RIGHT-OF-WAY LINE SHED SILT FENCE BURNTWOODS ROAD → SCE 1-1 EX, INLET SF 1-1 STA. 906+29, 17.6' RT TO STA. 908+90, 14.7' RT 264 LF EX. SHED EX, SHED T_STA. 906+03.41 -ELEV, IN 575,83° ∕TP/1-2 SEQUENCE OF CONSTRUCTION: ELEV. IN 576.08' **DIVERSION FENCE** DA=0.42 AC DF 1-1 STA. 906+20, 40.0' LT TO STA. 907+36, 57.7' LT 1. INSTALL SCE 1-1. CONTRACTOR SHALL NOT IMPACT EXISTING ROADWAY SIGNING. DF 1-2 STA. 907+52, 56.9' LT TO STA. 909+90, 14.7' LT IF ANY SIGNS ARE REQUIRED TO BE IMPACTED DURING THE INSTALLATION OF SCE. CONTRACTOR SHALL RECEIVE APPROVAL FROM THE COUNTY ENGINEER PRIOR TO REMOVING EX. RIGHT-OF-WAY LINE ANY SIGN AND IT SHALL BE REINSTALLED AS DIRECTED BY THE COUNTY ENGINEER. ALL **TEMPORARY PIPE** COSTS ASSOICIATED WITH REMOVING AND REINSTALLING ANY SIGNS SHALL BE INCIDENTIAL TP 1-1 STA. 907+41, 25.1' LT TO STA. 907+44, 58.4' LT 33 LF, 24" HDPE TO THE COST OF THE INSTALLATION OF THE SCE. TP 1-2 STA. 907+49, 11.1' RT TO STA. 907+55, 20.9' RT 11 LF, 24" HDPE N/588150 2. CLEAR AND GRUB FOR THE INSTALLATION OF DF 1-1, DF 1-2 AND SF 1-1. INLET PROTECTION SHA IP 1-1 STA. 907+55, 21.8' RT 1 EA, MIP 3. INSTALL TP 1-1, TP 1-2, SB 1-1, SB 1-2, SB 1-3 PROVIDING A WATER TIGHT CONNECTION AT BOTH ENDS OF THE EXISTING PIPE AND IP 1-1 TO DIVERT THE OFFSITE EXISTING SEPTIC (PER F-07-121 PLANS) AREA AROUND WORK AREA AND DISCHARGE THROUGH THE INLET PROTECTION. SAND BAG O SB 1-1 STA. 907+44, 56.1' LT LS, TOP EL.=581.0 4. CONTRACTOR SHALL REMOVE STOCKPILE AS SHOWN ON PLANS AND MOVE THE MATERIAL SB 1-2 STA. 907+41, 25.1' LT LS, TOP EL.=580.0 UTILIZING THE PUBLIC ROADWAY TO THE SITE LOCATED AT BURNTWOODS ROAD. SEDIMENT SB 1-3 STA. 907+49, 11.1' RT LS, TOP EL.=580.0 14500 MUSTANG PATH TRACKING ONTO ROADS IS NOT PERMITTED. IF SEDIMENT IS TRACKED ONTO ROADS, IT 3304 SHADY LANE SHOULD BE CLEARED OFF AT THE END OF EACH WORKING DAY. DURING STOCKPILE REMOVAL. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE TO EXISTING INLET. STABILIZED CONSTRUCTION ENTRANCE SCE 1-1 STA. 905+95, 4.9' RT 5.CONTRACTOR TO STABILIZE GRADED AREA WITH 4" TOPSOIL SEED AND MULCH. * THE LOCATIONS OF THE STABILIZED CONSTRUCTION ENTRANCES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL 6. ONCE ALL DISTURBED AREAS ARE STABILIZED AND WITH THE APPROVAL OF THE DETERMINE EXACT LOCATION IN THE FIELD AND RELOCATE AS HOWARD COUNTY EROSION AND SEDIMENT CONTROL INSPECTOR, REMOVE EXISTING 24" PIPI 'PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12966, EXPIRATION DATE: MAY 19, 2012 NEEDED WITH THE APPROVAL OF THE EROSION AND SEDIMENT CONTROL DOWNSTREAM OF TP 1-1 AND EX. TP 1-3 UNDER SCE 1-1 AND MAINTAIN EXISTING INSPECTOR. DRAINAGE PATTERNS. REMOVE ALL REMAINING EROSION AND SEDIMENT CONTROLS. GP-I OF 2 DEPARTMENT OF PUBLIC WORKS SCALE GRADING PLAN I CAPITAL PROJECT NO. HOWARD COUNTY, MARYLAND l" = 30' BURNTWOODS ROAD DRN: SER 9/8/10 ACT. CHIEF, BUREAU OF ENGINEERING JOHNSON, MIRMIRAN & THOMPSON STOCKPILE REGRADING CHK: Engineering A Brighter Future Will J. Mill. 9-10-10 CHIEF, BUREAU OF HIGHWAYS 72 Loveton Circle Baltimore, Maryland 21152-0949 CHIEF, TRANSPORTATION AND DATE: SEPT 10 HOWARD COUNTY, MARYLAND ELECTION DISTRICT 5 SPECIAL PROJECTS DIVISION BLOCK NO. MAP NO.



STANDARD SEDIMENT CONTROL NOTES

- 1. A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits. Sediment Control Division prior to the start of any construction (410) 313-1855.
- 2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the most current MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL and revisions thereto.
- Following initial soil disturbance or re-disturbance, permanent or temporary stabilization shall be completed within: a) 7 calender days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b)14 days as to all other disturbed or graded areas on the project site.
- 4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol.1, Chapter 12 of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding (Sec. 51), sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- Site Analysis: (NOT FOR BIDDING PURPOSES)

Total Area of Site Area Disturbed N/A Acres
0.93 Acres Area to be roofed or payed Area to be vegetatively stabilized __ Acres _______ Cu. Yds. _______ Cu. Yds. Total Cut Total Fill Off-site waste/borrow area locations; UNKNOWN

- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
- 10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- II. Trenches for the construction of utilities is limited to three pipe lengths or that which shall be back-filled and stabilized by the end of each work day, whichever is shorter.

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

- Preferred -- Apply 2 tons/acre dolomitic limestone (92 lbs/1000 sq. ft.) and 600 lbs/acre 10-10-10 fertilizer (14 bs/1000 sq.ft.) before seeding. Harrow or disk into upper three inches of soil. At time of seeding, apply 400 lbs/acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq. ft.).
- Acceptable -- Apply 2 tons/acre dolomitic limestone (92 lbs/1000 sq. ft.) and 1000 lbs/acre 10-10-10 fertilizer (23 lbs/1000 sq. ft.) before seeding. Harrow or disk into upper three inches of soil.

Seeding -- For the period March I -- April 30, and August I -- October 15, seed with 60 lbs/acre (1.4 lbs/1000 sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 -- July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs/acre (.05 lbs/1000 sq.ft.) of weeping lovegrass. During the period of October 16 -- February 28, protect site by: Option I -- Two tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option 2 -- Use sod.

Option 3 -- Seed with 60 lbs/acre Kentucky 30 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching -- Apply I-1/2 to 2 tons per acre (70 to 90 lbs/1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sa.ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq.ft.) for anchoring.

Maintenance -- Inspect all seeding areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be re-disturbed where a short-term vegetative cover is needed.

Seedbed pregaration: -- Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

Soil Amendments: -- Apply 600 lbs/acre 10-10-10 fertilizer (14 lbs/1000 sq.ft.).

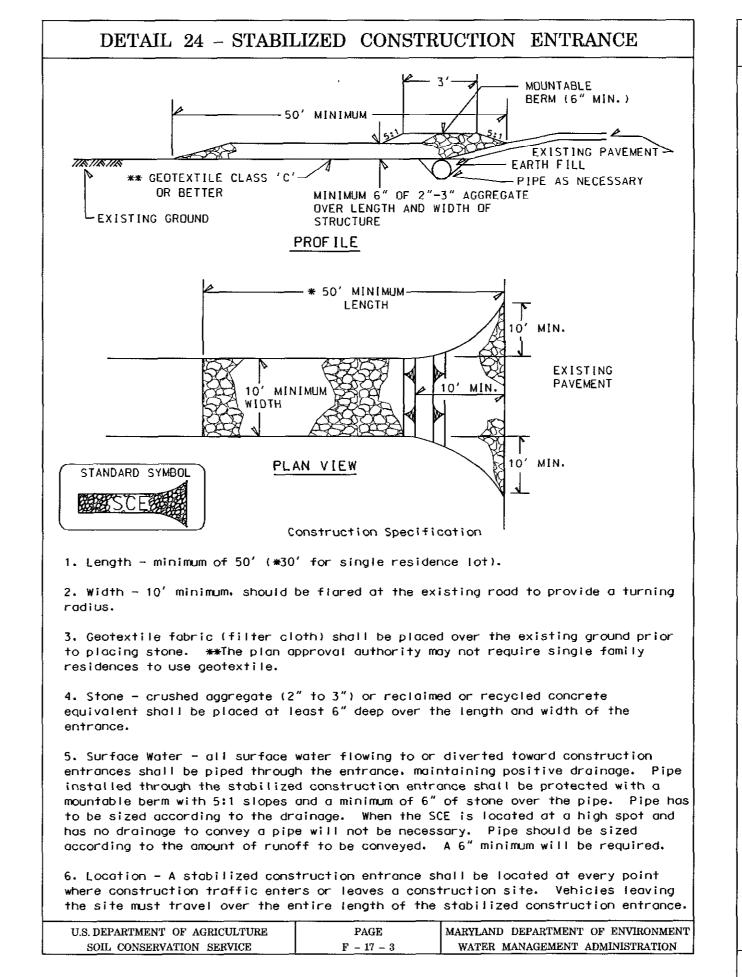
Seeding: -- For periods March I -- April 30 and from August 15 -- October 15, seed with 2-1/2 bushels per acre of annual rye (3.2 lbs/1000 sq.ft.). For the period May 1 -- August 14, seed with 3 lbs/acre of weeping loyearass (.07 Ibs/1000 sq. ft.). For the period November 16 -- February 28, protect site by applying 2 tons/acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

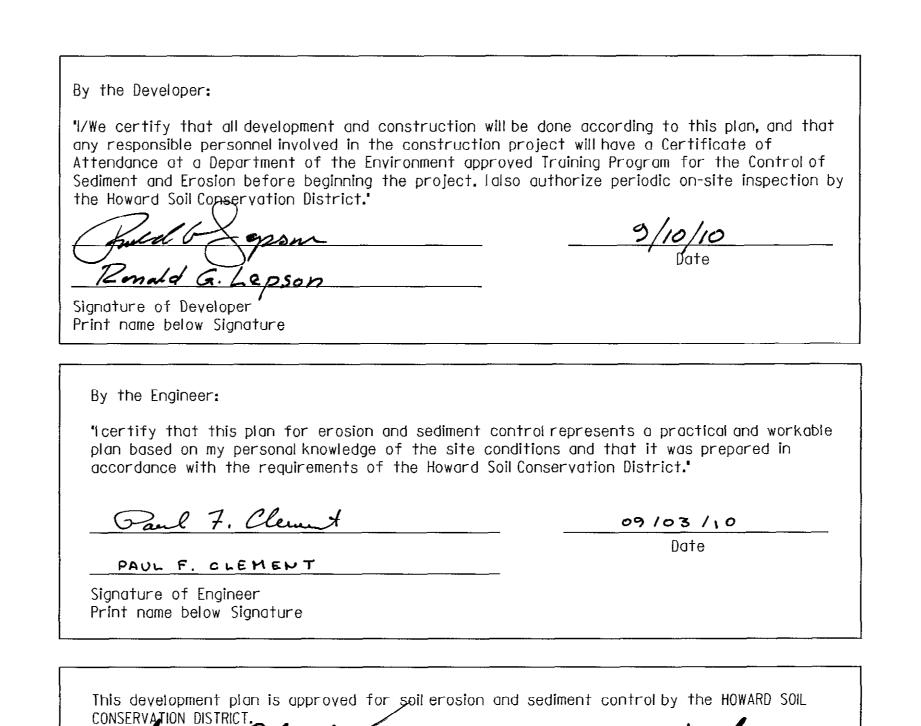
Mulching: -- Apply 1-1/2 to 2 tons/acre (70 to 90 lbs/1000 sq. ft.) of unrotted weed-free, small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/ 1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq. ft.) for anchoring.

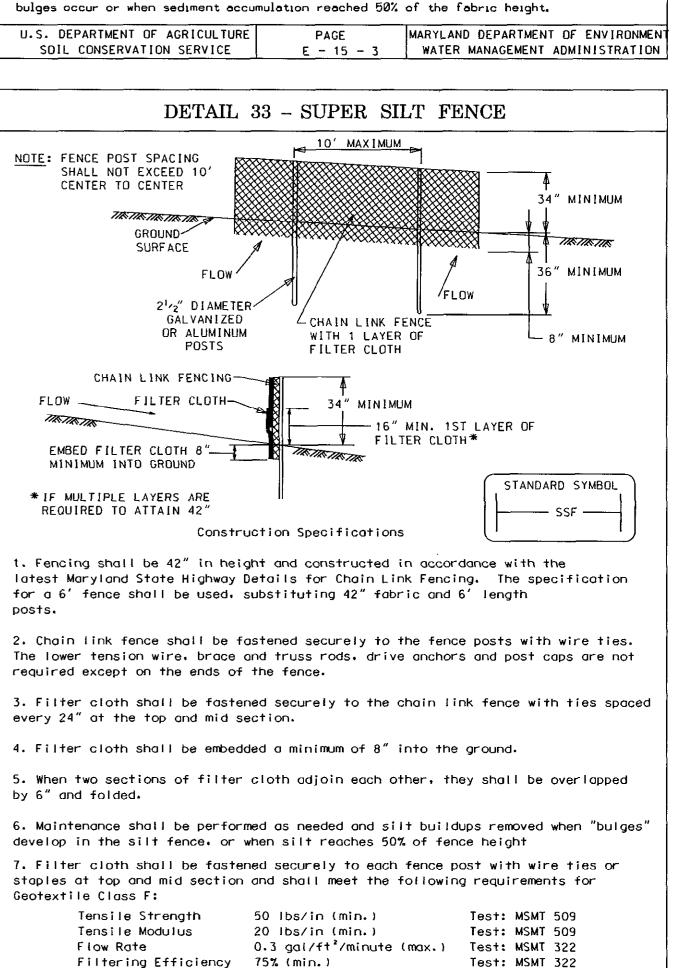
Refer to the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for additional rates and methods not covered.

GENERAL SEQUENCE OF CONSTRUCTION

- I. CONTRACTOR SHALL OBTAIN GRADING PERMIT FROM HOWARD COUNTY DEPARTMENT OF INSPECTION, LICENSES AND PERMITS PRIOR TO BEGINNING CONSTRUCTION.
- 2. CONTRACTOR SHALL CONTACT HOWARD COUNTY DEPARTMENT OF INSPECTION, LICENSES, AND PERMITS AT (410) 313-2455 TO SCHEDULE A PRE-CONSTRUCTION MEETING AT LEAST 72 HOURS BEFORE CONSTRUCTION IS TO BEGIN.
- 3. ONCE ALL DISTURBED AREAS HAVE BEEN STABILIZED AND WITH APPROVAL OF THE INSPECTOR. REMOVE INLET PROTECTIONS.







DETAIL 22 - SILT FENCE

36" MINIMUM FENCE

FLOW

TIK TIK TIK TIK TIK TIK TIK TIK TI

POST LENGTH

EMBED GEOTEXTILE CLASS F

Construction Specifications

around. Wood posts shall be 1 1/2 x 1 1/2 square (minimum) cut, or 1 3/4 diameter

1. Fence posts shall be a minimum of 36'long driven 16' minimum into the

(minimum) round and shall be of sound quality hardwood. Steel posts will be

standard T or U section weighting not less than 1.00 pond per linear foot.

2. Geotextile shall be fastened securely to each fence post with wire ties

or staples at top and mid-section and shall meet the following requirements

50 lbs/in (min.)

20 lbs/in (min.)

3. Where ends of geotextile fabric come together, they shall be overlapped,

4. Silt Fence shall be inspected after each roinfall event and maintained when

INTO THE GROUND

A MINIMUM OF 8" VERTICALLY

GROUND

FILTER

10' MAXIMUM CENTER TO

- CENTER .

PERSPECTIVE VIEW

TOP VIEW

POSTS

STAPLE

for Geotextile Class F:

Flow Rate

Tensile Strength

Filtering Efficiency 75% (min.)

folded and stapled to prevent sediment bupass.

Tensile Modulus

JOINING TWO ADJACENT SILT

FENCE SECTIONS

FLOW

SECTION A

36 MINIMUM LENGTH FENCE POST.

-16" MINIMUM HEIGHT OF

GEOTEXTILE CLASS F

- 8" MINIMUM DEPTH IN

- FENCE POST SECTION

MINIMUM 20" ABOVE

TIKTIK TIKTIK TIKTIK TIK

THE GROUND

- FENCE POST DRIVEN A

MINIMUM OF 16" INTO

STANDARD SYMBOL

UNDISTURBED

GROUND

GROUND

DRIVEN A MINIMUM OF 16' INTO

T GROUND

CROSS SECTION

Test: MSMT 509

Test: MSMT 509

Test: MSMT 322

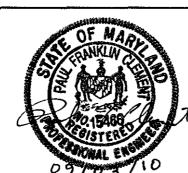
0.3 gal ft / minute (max.) Test: MSMT 322

"PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT LAM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 15466, EXPIRATION DATE: JULY 15, 2011

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 9/8/10 ACT. CHIEF, BUREAU OF ENGINEERING 9-10-10

CHIEF. BUREAU OF HIGHWAYS

JOHNSON, MIRMIRAN & THOMPSON Engineering A Brighter Future 72 Loveton Circle Baitimore, Maryland 21152-0949



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	DATE: SEPT 10					 	 	-

CAPITAL PROJECT NO.

BLOCK NO.

MAP NO.

SEDIMENT AND EROSION CONTROL DETAILS AND NOTES BURNTWOODS ROAD STOCKPILE REGRADING

U.S. DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE

ED-I

SCALE

HOWARD COUNTY, MARYLAND ELECTION DISTRICT 5

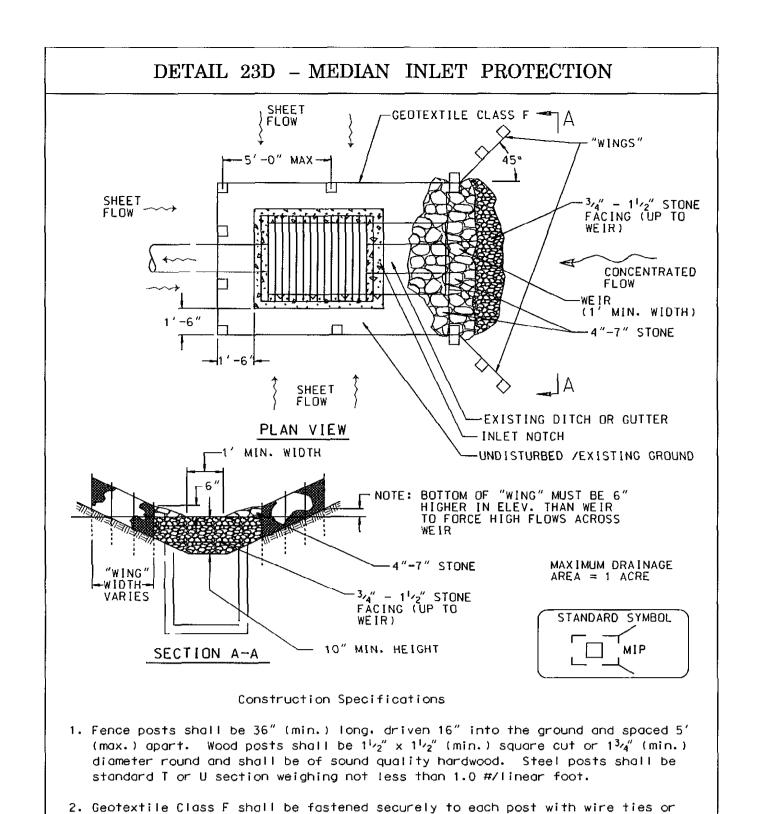
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of agreem their control of the con-

MARYLAND DEPARTMENT OF ENVIRONMENT

WATER MANAGEMENT ADMINISTRATION

DIRECTOR OF PUBLIC WORKS Steve Shavar CHIEF. TRANSPORTATION AND SPECIAL PROJECTS DIVISION



3. Where ends of geotextile fabric come together they shall be overlapped, folded

4. Median Inlet Protection shall be inspected after each rain and maintained

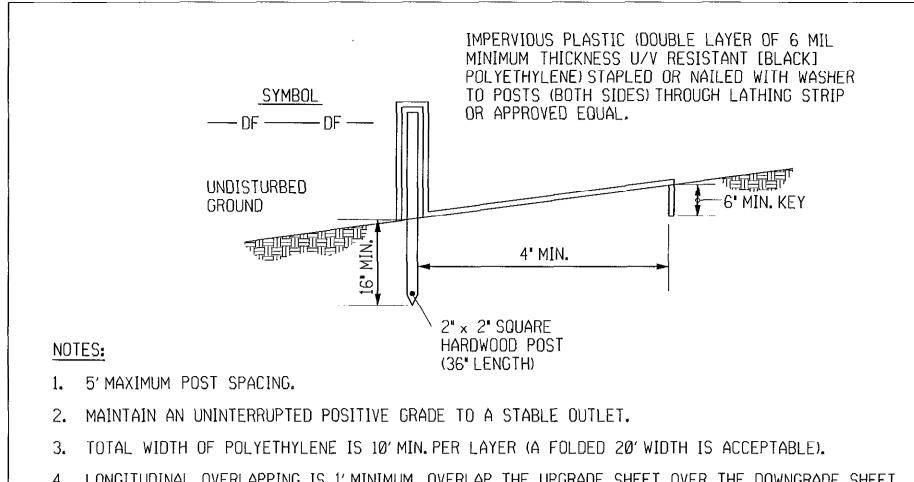
5. Stone used to construct the weir shall be 4" - 7" with a 1' thick layer of

when bulges occur in the fabric or when the stone gets clogged.

staples at top and mid-section.

 3_4 " - $1^{1}/2$ " stone on the upstream face.

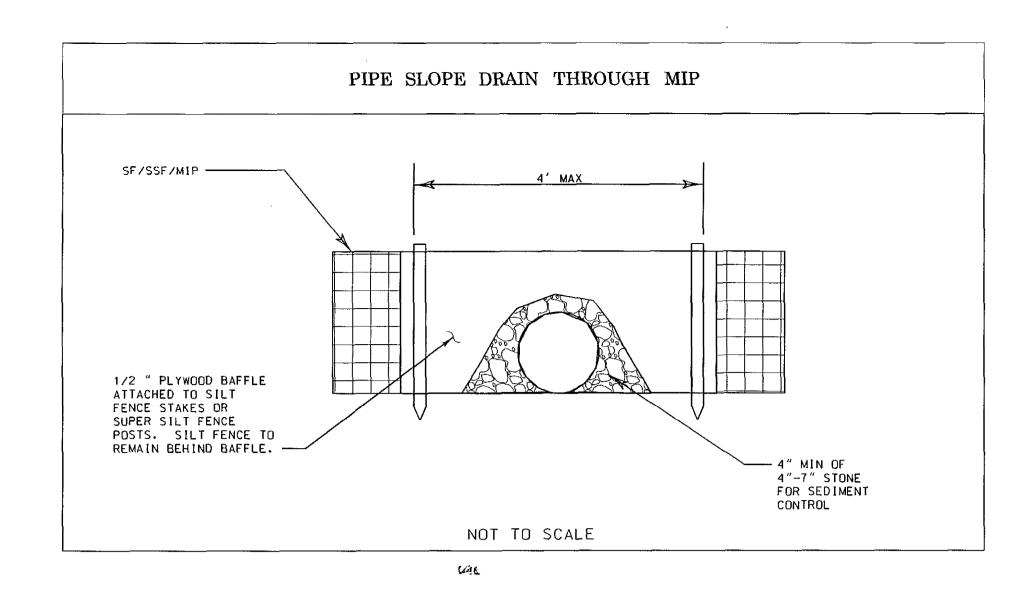
and stapled.

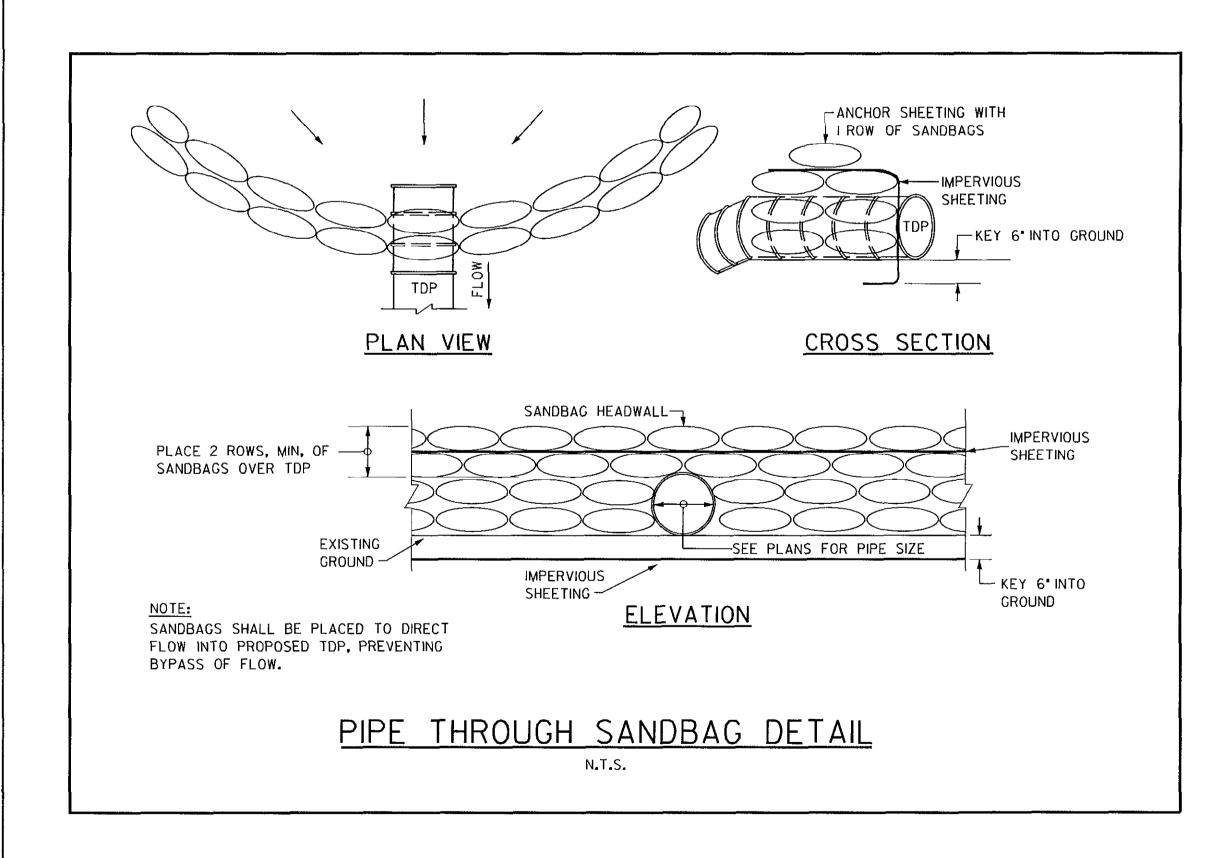


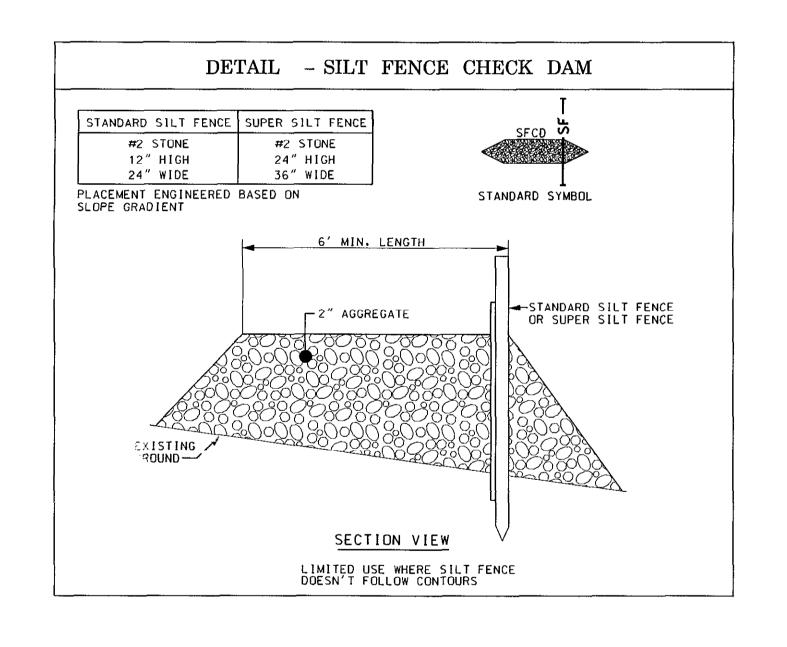
- 4. LONGITUDINAL OVERLAPPING IS 1'MINIMUM, OVERLAP THE UPGRADE SHEET OVER THE DOWNGRADE SHEET.
- 5. MAXIMUM LONGITUDINAL SLOPE = 10%.
- 6. MAXIMUM DRAINAGE AREA TO OUTLET = 2 ACRES.

TYPICAL DETAIL - CLEAR WATER DIVERSION FENCE

NOT TO SCALE



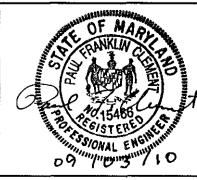




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DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND CHIEF, BUREAU OF ENGINEERING Malla 2. Mall.
CHIEF, BUREAU OF HIGHWAYS 9-10-10 CHIEF, TRANSPORTATION AND SPECIAL PROJECTS DIVISION

JOHNSON, MIRMIRAN & THOMPSON Engineering A Brighter Future 72 Loveton Circle Baltimore, Maryland 21152-0949



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SEDIMENT AND EROSION CONTROL DETAILS AND NOTES BURNTWOODS ROAD

STOCKPILE REGRADING HOWARD COUNTY, MARYLAND ELECTION DISTRICT 5

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SCALE