4VAC50-30-40. MINIMUM STANDARDS An erosion and sediment control program adopted by a district or locality must be consistent with the following criteria, techniques and methods: Permanent or temporary soil stabilization shall be applied to denuded areas within seven days after final grade is reached on any portion of the site. Temporary soil stabilization shall be

dormant for longer than 30 days. Permanent stabilization shall be applied to areas that are to be left dormant for more than one year. During construction of the project, soil stock piles and borrow areas shall be stabilized or protected with sediment trapping measures. The applicant is responsible for the temporary protection and permanent stabilization of all soil stockpiles on site as well as borrow areas

and soil intentionally transported from the project site. A permanent vegetative cover shall be established on denuded areas not otherwise permanently stabilized. Permanent vegetation shall not be considered established until a ground cover is

achieved that is uniform, mature enough to survive and will inhibit erosion. Sediment basins and traps, perimeter dikes, sediment barriers and other measures intended to trap sediment shall be constructed as a first step in any land—disturbing activity and shall be made functional before upslope land disturbance takes place.

Stabilization measures shall be applied to earthen structures such as dams, dikes and diversions immediately after installation.

Sediment traps and sediment basins shall be designed and constructed based upon the total drainage area to be served by the trap or basin. A) The minimum storage capacity of a sediment trap shall be 134 cubic yards per acre of drainage area and the trap shall only control drainage areas less than three acres. B) Surface runoff from disturbed areas that is comprised of flow from drainage areas greater than or equal to three acres shall be controlled by a sediment basin. The minimum storage capacity of a sediment basin shall be 134 cubic vards per acre of drainage area. The outfall system shall, at a minimum, maintain the structural integrity of the basin during a 25—year storm of 24—hour duration. Runoff coefficients used in runoff calculations shall correspond to a bare earth condition or those conditions expected to exist while the sediment basin is

Cut and fill slopes shall be designed and constructed in a manner that will minimize erosion. Slopes that are found to be eroding excessively within one year of permanent stabilization shall be provided with additional slope stabilizing measures until the problem is corrected. Concentrated runoff shall not flow down cut or fill slopes unless contained within an adequate

temporary or permanent channel, flume or slope drain structure. Whenever water seeps from a slope face, adequate drainage or other protection shall be

All storm sewer inlets that are made operable during construction shall be protected so that sediment—laden water cannot enter the conveyance system without first being filtered or otherwise treated to remove sediment.

. Before newly constructed stormwater conveyance channels or pipes are made operational, adequate outlet protection and any required temporary or permanent channel lining shall be installed in both the conveyance channel and receiving channel.

When work in a live watercourse is performed, precautions shall be taken to minimize encroachment, control sediment transport and stabilize the work area to the greatest extent possible during construction. Nonerodible material shall be used for the construction of causeways and cofferdams. Earthen fill may be used for these structures if armored by

. When a live watercourse must be crossed by construction vehicles more than twice in any six—month period, a temporary vehicular stream crossing constructed of nonerodible material shall be provided.

14. All applicable federal, state and local chapters pertaining to working in or crossing live watercourses shall be met. 15. The bed and banks of a watercourse shall be stabilized immediately after work in the

watercourse is completed. 16. Underground utility lines shall be installed in accordance with the following standards in

addition to other applicable criteria: A) No more than 500 linear feet of trench may be opened at one time. B) Excavated material shall be placed on the uphill side of trenches.

C) Effluent from dewatering operations shall be filtered or passed through an approved sediment trapping device, or both, and discharged in a manner that does not adversely affect flowing streams or off—site property.

D) Material used for backfilling trenches shall be properly compacted in order to minimize erosion and promote stabilization.

() Restabilization shall be accomplished in accordance with this chapter.) Applicable safety chapters shall be complied with.

the outfall of the pipe or pipe system shall be performed.

made to minimize the transport of sediment by vehicular tracking onto the paved surface. Where sediment is transported onto a paved or public road surface, the road surface shall be cleaned thoroughly at the end of each day. Sediment shall be removed from the roads by shoveling or sweeping and transported to a sediment control disposal area. Street washina shall be allowed only after sediment is removed in this manner. This provision shall apply to individual development lots as well as to larger land—disturbing activities.

18. 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, unless otherwise authorized by the local program authority. Trapped sediment and the disturbed soil areas resulting from the disposition of temporary measures shall be permanently stabilized to prevent further erosion and sedimentation.

19. Properties and waterways downstream from development sites shall be protected from sediment deposition, erosion and damage due to increases in volume, velocity and peak flow rate of stormwater runoff for the stated frequency storm of 24-hour duration in accordance with the following standards and criteria: A) Concentrated stormwater runoff leaving a development site shall be discharged directly into an adequate natural or man-made receiving channel, pipe or storm sewer system. For those

) Adequacy of all channels and pipes shall be verified in the following manner:) The applicant shall demonstrate that the total drainage area to the point of analysis within the channel is one hundred times greater than the contributing drainage area of the project in question; or

sites where runoff is discharged into a pipe or pipe system, downstream stability analyses at

(a) Natural channels shall be analyzed by the use of a two-year storm to verify that stormwater will not overtop channel banks nor cause erosion of channel bed or banks. (b) All previously constructed man—made channels shall be analyzed by the use of a ten-year storm to verify that stormwater will not overtop its banks and by the use of a Two-year storm to demonstrate that stormwater will not cause erosion of channel bed or banks; and (c) Pipes and storm sewer systems shall be analyzed by the use of a ten-year storm to

verify that stormwater will be contained within the pipe or system. C) If existing natural receiving channels or previously constructed man-made channels or pipes are not adequate, the applicant shall:

(1) Improve the channels to a condition where a ten-year storm will not overtop the banks and a two—year storm will not cause erosion to channel the bed or banks; or (2) Improve the pipe or pipe system to a condition where the ten-year storm is contained within the appurtenances; (3) Develop a site design that will not cause the pre-development peak runoff rate from a

two-year storm to increase when runoff outfalls into a natural channel or will not cause the pre-development peak runoff rate from a ten-year storm to increase when runoff outfalls into a man-made channel; or (4) Provide a combination of channel improvement, stormwater detention or other measures

which is satisfactory to the plan approving authority to prevent downstream erosion. d. The applicant shall provide evidence of permission to make the improvements. e. All hydrologic analyses shall be based on the existing watershed characteristics and the ultimate development condition of the subject project. f. If the applicant chooses an option that includes stormwater detention, he shall obtain approval from the locality of a plan for maintenance of the detention facilities. The plan

shall set forth the maintenance requirements of the facility and the person responsible for performing the maintenance. g. Outfall from a detention facility shall be discharged to a receiving channel, and energy dissipators shall be placed at the outfall of all detention facilities as necessary to provide a stabilized transistion from the facility to the receiving channel.

h. All on—site channels must be verified to be adequate. i. Increased volumes of sheet flows that may cause erosion or sedimentation on adjacent property shall be diverted to a stable outlet, adequate channel, pipe or pipe system, or to a detention facility.

j. In applying these stormwater management criteria, individual lots or parcels in a residential, commercial or industrial development shall not be considered to be separate development projects. Instead, the development, as a whole, shall be considered to be a single development project. Hydrologic parameters that reflect the ultimate development condition shall be used in all engineering calculations.

k. All measures used to protect properties and waterways shall be employed in a manner which minimizes impacts on the physical, chemical and biological integrity of rivers, streams and other waters of the state.

	TEMBODA BY SCEDNIC	TABLE 3.31-0		NO B	ATE C	AND DATES
	TEMPORARY SEEDING RA	SOUTH b			PLANT	
SPECIES	ACRE	1000 SQ. FT.	2/15 5/1 to to 4/30 9/1		9/1 to 11/15	
OATS (Avena sativa)	3 bu. (UP TO 100 lbs., NOT LESS THAN 50 lbs.)	2 lbs.	x	_	_	Use spring varieties (e.g., Noble)
RYE ^d (Secale cereale)	2 bu. (UP TO 110 lbs., NOT LESS THAN 50 lbs.)	2.5 lbs.	×		×	Use for late fall seedings, winter cover. Tolerates cold and low moisture.
GERMAN MILLET (Seteria italica)	50 lbs.	арргох. 1 lb.	_	×	_	Warm—season annual. Dies at first frost. May be added to summer mixes.
ANNUAL RYEGRASS ^C (Lolium multi-florum)	60 lbs.	1.5 lbs.	×	1	×	May be added in mixes. Will mow out of most stands.
WEEPING LOVEGRASS (Eragrostis curvula)	15 lbe.	5.5 ozs.	-	x	_	Warm—season perrennial. May bunch. Tolerates hot, dry slopes and acid, infertile soils. May be added to mixes.
KOREAN LESPEDEZA (Lespedeza stípulacea)	25 lbs.	approx. 1.5 lbs.	x	x	_	Warm—season annual legume. Tolerates acid solls. May be added to mixes.

MAY BE PLANTED BETWEEN THESE DATES.

MAY <u>NOT</u> BE PLANTED BETWEEN THESE DATES.

NORTHERN PIEDMONT AND MOUNTAIN REGION. SEE PLATES 3.22-1 AND 3.22-2.

SOUTHERN PIEDMONT AND COASTAL PLAIN

MAY BE USED AS A COVER CROP WITH SPRING SEEDING.

MAY BE USED AS A COVER CROP WITH FALL SEEDING

3.05 *3.13–2* * VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK SPECIFICATION NUMBER

EROSION CONTROL NARRATIVE

CRITICAL AREAS: THERE ARE NO CRITICAL AREAS LOCATED ON THIS SITE.

TABLE 3.32-D

SITE SPECIFIC SEEDING MIXTURES FOR COASTAL PLAIN AREA

Minimum Care Lawn

High-Maintenance Lawn

General Slope (3:1 or less)

- Kentucky 31 Fescue

- Seasonal Nurse Crop *

- Seasonal Nurse Crop *

- Sericea Lespedeza **

Low Maintenance Slope (Steeper than 3:1)

Kentucky 31 Tall Fescue

Common Bermudagrass **

Red Top Grass

- Red Top Grass

- Commercial or Residential

Kentucky 31 or Turf-Type Tall Fescue

Kentucky 31 or Turf Type Tall Fescue

Hybrid Bermudagrass (by other vegetative)

establishment method, see Std. & Spec. 3.34)

* Use seasonal nurse crop in accordance with seeding dates as stated below:

** May through October, use halled seed. All other seeding periods, use

unhulled seed. Weeping Lovegrass may be added to any slope or low-

maintenance mix during warmer seeding periods; add 10-20 lbs./acre in mixes.

February, March through April Annual Rye

May 1st through August Foxtail Millet

September, October through November 15th Annual Rye

November 16th through January Winter Rye

Common Bermudagrass **

Hybrid Bermudagrass (seed) **

PROJECT DESCRIPTION: THIS PROJECT CONSISTS OF THE CONSTRUCTION OF AN OFFICE BUILDING. APPROXIMATELY 1,64 AC. OF LAND DISTURBANCE WILL OCCUR DURING THE CONSTRUCTION OF THIS SITE. THE LAND DISTURBANCE WILL INCLUDE CUT AND FILL GRADING ACTIVITIES, POST-DEVELOPED, THE SITE WILL CONSIST OF APPROXIMATELY -% IMPERVIOUS SURFACES.

*EROSION CONTROL

EXISTING SITE CONDITIONS: THE SITE IS LOCATED AT THE INTERSECTION OF JEFFERSON PARK ROAD ANDOWENS WAY AND GENERALLY SLOPES FROM THE WEST TO EAST TO AN EXISTING STORM SEWER SYSTEM.

ADJACENT AREAS: THE SITE IS SURROUNDED BY JEFFERSON PARK ROAD TO THE WEST, OWENS WAY TO THE SOUTH, INDEPENDENCE PLACE APARTMENTS TO THE EAST AND A FIRE STATION TO THE NORTH. NO ADJACENT AREAS WILL BE AFFECTED BY THIS DEVELOPMENT.

OFFSITE AREAS: NO OFF-SITE AREAS WILL BE AFFECTED BY THIS DEVELOPMENT. IF AN OFF-SITE BORROW OR WASTE AREA IS USED, THEN THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING

SOILS: SOILS ON-SITE ARE CLASSIFIED AS EMPORIA FINE SANDY LOAM, 2% TO 6% SLOPES (MAPPING # 11B, K=0.28) PER THE "SOIL SURVEY OF PRINCE GEORGE COUNY, VIRGINIA" DATED 1985. AN ON-SITE SOIL INVESTIGATION WILL BE DONE WITH THE DESIGN OF THE FOUNDATION FOR THE BUILDING. WORST CASE ASSUMPTION OF ERODIBILITY AND COMPACTION HAVE BEEN ASSUMED FOR DESIGN OF EROSION CONTROL FACILITIES.

EROSION AND SEDIMENT CONTROL MEASURES: PERIMETER SILT FENCE, INLET PROTECTION INSTALLED ON THE PROPOSED STRUCTURES AND SEDIMENT TRAPS WILL SERVE AS THE PRIMARY EROSION CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PROCESS.

PERMANENT STABILIZATION: ALL DENUDED AND UNGRAVELLED AREAS SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH STATE REGULATIONS. STORMWATER RUNOFF CONSIDERATIONS: AN UNDERGROUND RAIN TANK INFILTRATION SYSTEM WILL BE USED TO MEET STATE WATER QUALITY REQUIREMENTS.

MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES: <u>IT FENCE</u>: INSPECT AFTER EACH RAINFALL EVENT. REMOVE SEDIMENT FROM SILT FENCE WHEN IT REACHES ONE-HALF THE HEIGHT OF THE BARRIER. REPAIR ANY TORN FENCE PROMPTLY

SEDIMENT TRAP: 1. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO BASIN SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE AND CAUSE SEDIMENTATION PROBLEMS 2. FILTER STONE SHALL BE REGULARLY CHECKED TO ENSURE THAT FILTRATION PERFORMANCE IS MAINTAINED. STONE CHOKED WITH SEDIMENT SHALL BE REMOVED AND CLEANED OR REPLACED.

3. THE STRUCTURE SHOULD BE CHECKED REGULARLY TO ENSURE THAT IT IS STRUCTURALLY SOUND, AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT. THE HEIGHT OF THE STONE OUTLET SHOULD BE CHECKED TO ENSURE THAT ITS CENTER IS AT LEAST 1 FOOT BELOW THE TOP OF THE EMBANKMENT. 4. INSPECT AFTER EACH RAIN.

TOPDRESS WITH ADDITIONAL STONE OR WASH AND REWORK EXISTING STONE AS NEEDED TO PREVENT MUD FROM BEING ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY INLET PROTECTION: INSPECT AFTER EACH RAIN. REMOVE SEDIMENT WHEN IT ACCUMULATES TO ONE-HALF THE DESIGN DEPTH OF THE TRAP.

EROSION BLANKET OR MAT: INSPECT AFTER EACH RAIN FOR EROSION OR UNDERMINING. REPAIR ANY DISLOCATION OR FAILURE IMMEDIATELY AND REINSTALL THE MATERIAL. DIVERSION DITCHES: INSPECT AFTER EACH RAIN AND EVERY TWO WEEKS. REPAIR THE DIKE, FLOW CHANNEL, OUTLET OR SEDIMENT TRAPPING FCILITY AS NECESSARY, DAMAGES CAUSED BY CONSTRUCTION TRAFFIC OR OTHER ACTIVITIES MUST BE REPAIRED BEFORE THE END OF EACH WORKING DAY.

Total Lbs

175-200 lbs.

200-250 lbs.

40 lbs. (unhulled)

30 lbs. (hulled)

93-108 lb

EROSION CONTROL SEQUENCE OF EVENTS

AND DITCHES WITH VEGETATION AND MULCH PER MS-1.

NOTIFY DIANE COOK OF THE PRINCE GEORGE COUNTY DEPT. OF INSPECTIONS AND CODE COMPLIANCE AT (804)722-8659 FOR A PRE-CONSTRUCTION MEETING AND ON-SITE VISIT ONE WEEK PRIOR TO BEGINNING CONSTRUCTION. INSTALL CONSTRUCTION ENTRANCE, SILT FENCE, SEDIMENT TRAPS AND INLET PROTECTION ON EXISTING STRUCTRE AS PER PLAN, STABILIZE SEDIMENT TRAPS

BEGIN CLEARING AND GRUBBING SITE BEGIN ROUGH GRADING SITE AND INSTALL STORM SEWER STRUCTURES AS PER

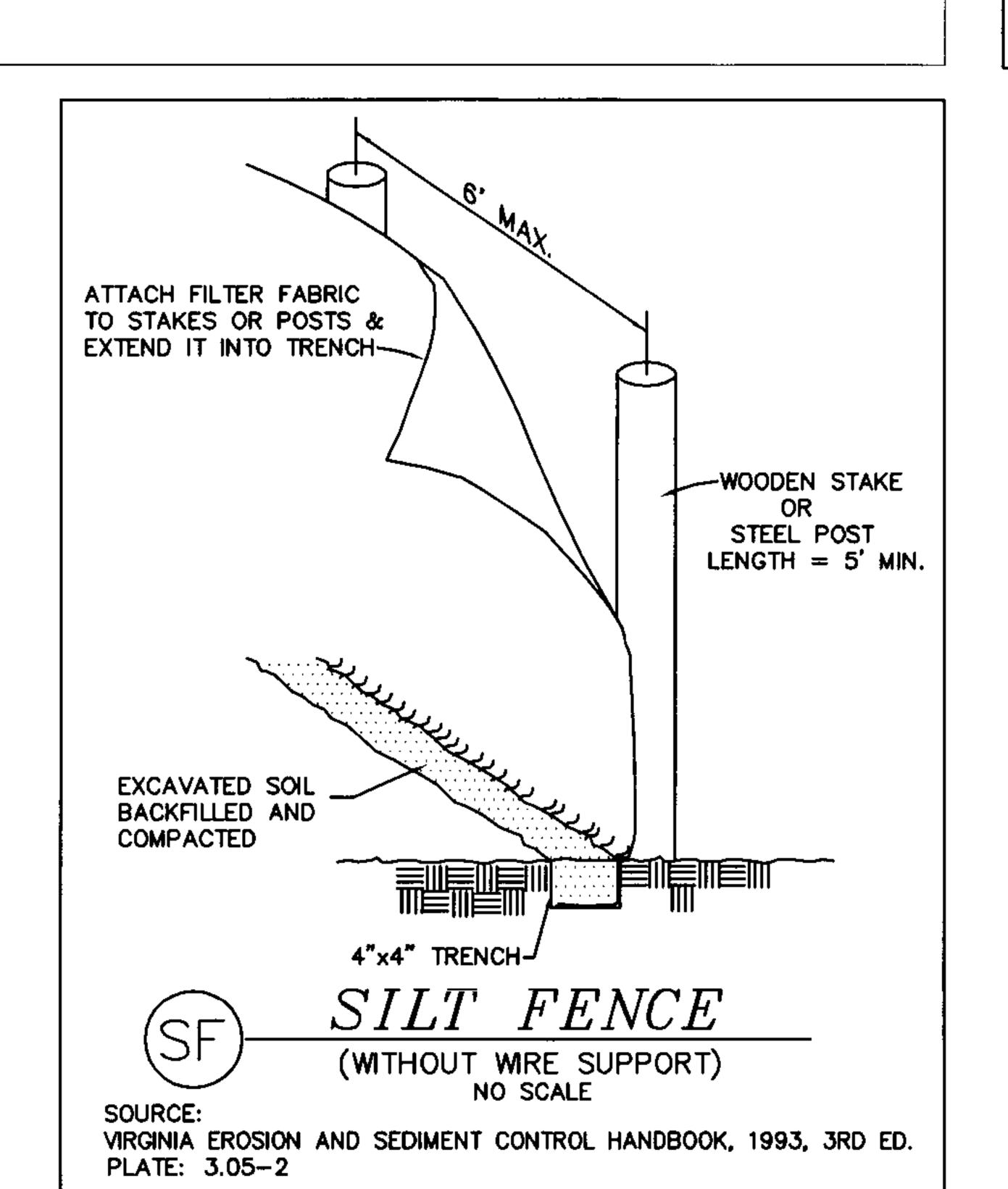
INSTALL INLET PROTECTION ON PROPOSED STRUCTURES AS PER PLAN. BEGIN BUILDING CONSTRUCTION AND INSTALL REMAINING UTILITIES. FINE GRADE SITE AS PER PLANS, SEED DENUDED AREAS AS SOON AS POSSIBLE AND MULCH ALL DISTURBED AREAS. SEEDING AND MULCHING SHALL BE PER VIRGINIA REGULATION 4VAC50-30-40 MS-3 AND EROSION CONTROL GENERAL NOTE 11. INSTALL

ONCE BUILDING AND SITE CONSTRUCTION ARE COMPLETE AND SITE IS STABILIZED COMPLETELY FLUSH ALL STORM SEWER TO REMOVE ANY ACCUMULATED SEDIMENT.

REMOVE SEDIMENT TRAPS AND INSTALL RAINTANK. CONTINUING MAINTENANCE PRACTICES SHALL BE PERFORMED TO ENSURE PROTECTION OF DOWNSTREAM PROPERTIES

NO EROSION CONTROL DEVICE SHALL BE REMOVED UNTIL AN ADEQUATE STAND OF GRASS HAS BEEN OBTAINED. EC MEASURES SHALL BE REMOVED IN ACCORDANCE WITH VIRGINIA REGULATION 4VAC50-30-40 MS-18.

NOTE: ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL MEASRUES SHOWN ON THE PLAN ARE TO BE CONSTRUCTED, MAINTAINED AND REMOVED IN ACCORDANCE WITH THE CURRENT EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATION 4VAC50-30.



EROSION CONTROL GENERAL NOTES (804)722-8659 PRIOR TO COMMENCING ANY LAND DISTURBANCE ACTIVITIES ON THE SITE. ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE PRINCE GEORGE COUNTY ORDINANCE INCLUDING THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS 4VAC50-30 EROSION AND SEDIMENT CONTROL REGULATIONS 3. NOTIFY DIANE COOK AT 804-722-8673 ONE WEEK PRIOR TO THE PRECONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION. 4 ALL FROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR. TO OR AS THE FIRST STEP IN CLEARING. 5. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES. 6. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BOR-ROW OR WASTE AREAS). THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.

EX. 13.5' WATERLINE

EASEMENT

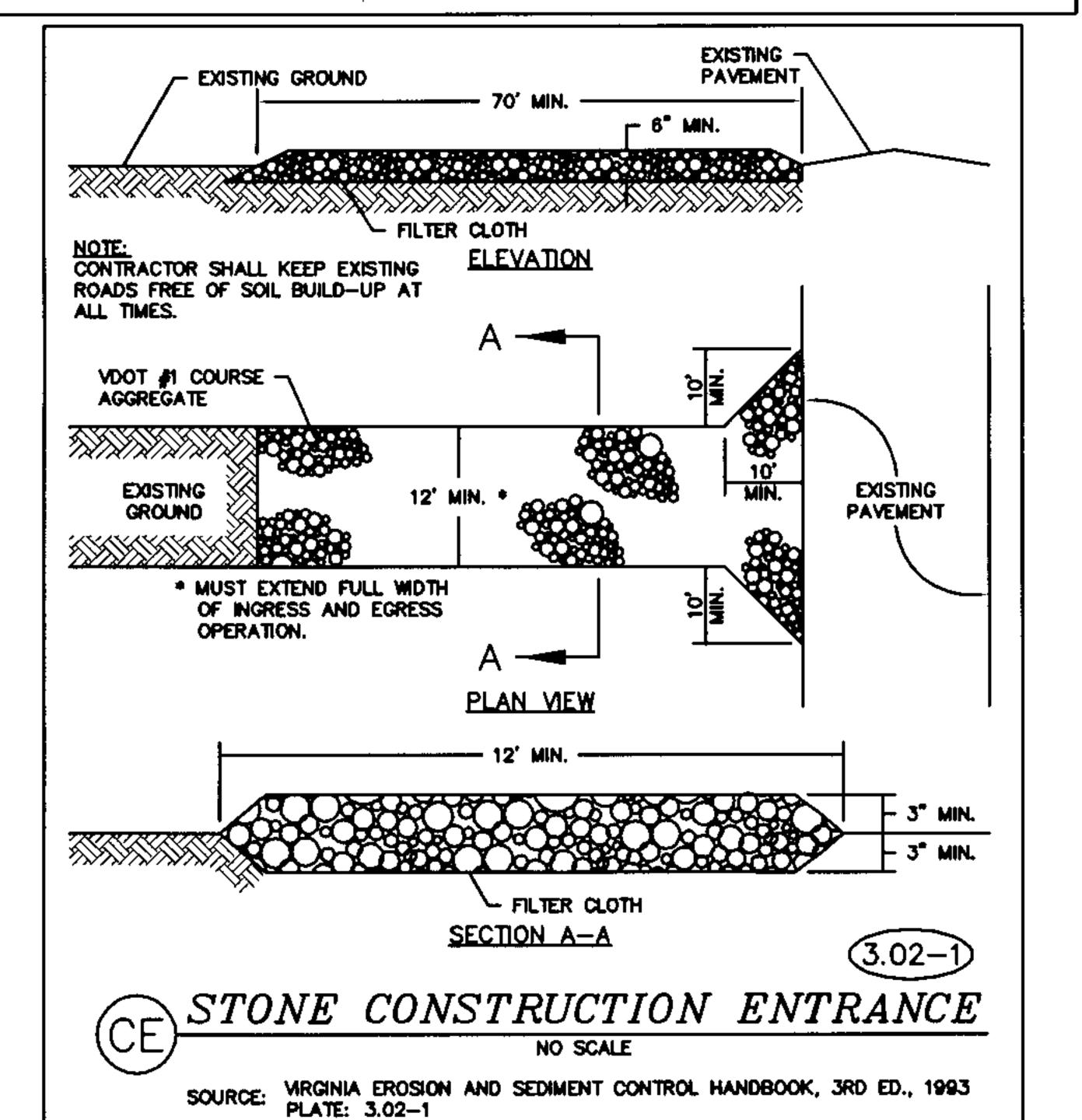
7. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMEN-TATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY. 8 ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEA-SURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.

9. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE. 10. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES DAILY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT, ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CON-TROL DEVICES SHALL BE MADE IMMEDIATELY.

SITE, TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THA MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THEN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE LEFT DORMANT FOR MORE THAN ONE YEAR. 12. THE CONTRACTOR IS RESPONSIBLE FOR DAILY REMOVAL OF SEDIMENT THAT HAS BEEN TRANSPORTED ONTO A PAVED OR PUBLIC ROAD SURFACE.

13 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING SURFACE AND AIR. MOVEMENT OF DUST FROM EXPOSED SOILS WHICH MAY PRESENT A HEALTH HAZARD, TRAFFIC SAFETY PROBLEM, OR HARM ANIMAL OR PLANT LIFE.

11 PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED



CONTRACTOR SHALL KEEP EXISTING ROADS

FREE OF SOIL BUILD-UP AT ALL TIMES.

(W/ APARTMEN EX. 40' ACCESS 22 MAR 2010 TO BE REMOVED K. HALPAUS DESIGNED BY SAN. SEWER ESMI D. JOHNSON INST # 090003558 P.B. 24, PG. 264 & 265 CHECKED BY JOHNSON TOP WIDTH VARIES **ELEVATION** EMBANKMENT ı.o'---- WATER CREST ELEVATION DRAWDOWN /DRY STORAGE

EX. 16' DRAINAGE

EASEMENT

INST #090003558

/P.B. 24, PG. 264 & 265

PRINCE GEORGE COUNTY

USE: P.G. COUNTY FIRE STATION

ZONE: R-2

SCALE 1"=40'

BAILEY'S RIDGE COMMERCIAL PARK

LOT 1, SECTION 1

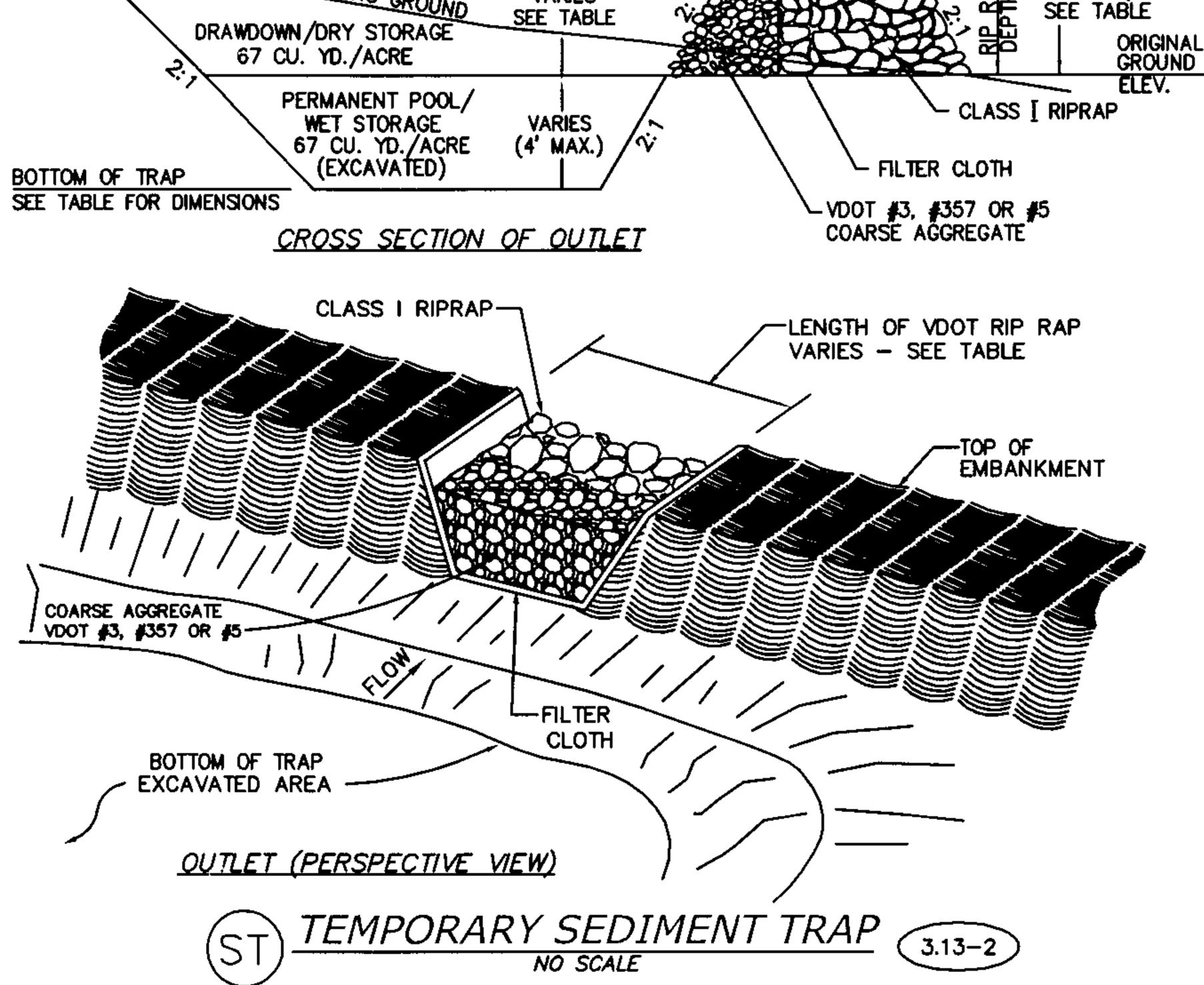
USE: VACANT

ZONE: B-1 W/ CONDITIONS

T.M. 12D(03)00-001-0

P.B. 22, PG. 18 & 19

2.013 ACRES REMAINING



CONSTRUCTION

THE AREA UNDER THE EMBANKMENT SHALL BE CLEARED, GRUBBED, AND STRIPPED OF ANY VEGETATION AND ROOT MAT. FILL MATERIAL SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION. ORGANIC MATERIAL. LARGE STONES, AND OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHOULD BE COMPACTED IN 6-INCH LAYERS BY TRAVERSING WITH CONSTRUCTION EQUIPMENT.

THE EARTHEN EMBANKMENT SHALL BE SEEDED WITH TEMPORARY OR PERMANENT VEGETATION (SEE STD. & SEPC.'S 3.31 AND 3.32) IMMEDIATELY AFTER INSTALLATION.

CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION ARE MINIMIZED.

<u>MAINTENANCE</u> . SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE HALF THE DESIGN VOLUME OF THE WET STORAGE SEDIMENT REMOVAL FROM THE BASIN SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE AND CAUSE SEDIMENTATION PROBLEMS.

2. FILTER STONE SHALL BE REGULARLY CHECKED TO ENSURE THAT FILTRATION PERFORMANCE IS MAINTAINED. STONE CHOKED WITH SEDIMENT SHALL BE REMOVED AND CLEANED OR REPLACED. THE STRUCTURE SHOULD BE CHECKED REGULARLY TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT. THE HEIGHT OF THE STONE OUTLET SHOULD BE CHECKED TO ENSURE THAT ITS CENTER IS AT LEAST 1 FOOT BELOW

TEMPORARY SEDIMENT TRAP SCHEDULE

	72777 0707777 0201772777 77011 007720022													
	DRAINAGE	VOLUME	LENGTH	SEDIMENT TRAP BOTTOM DIMENSIONS (EXCAVATED)		WET STORAGE	RIP RAP	TOTAL WET & DRY	TOTAL HEIGHT	TOP WIDTH				
T.	AREA	REQUIRED	OF VDOT RIP RAP			DEPTH	STORAGE	STORAGE	OF EMBANKMENT	OF				
0.	(ACRES.)	(CU. YD.)	REQUIRED	LENGTH	WIDTH	(4' MAX.)	DEPTH	DEPTH	(5' MAX.)	EMBANKMENT				
			(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)				
	0.98	132	6.0	26	7	3	2	5	3	3				
2	1.08	144	6.5	28	8	3	2	5	3	3				

Gio No 45844

JOB NO.

SHEET NO.