


<div>  <div> TABLE 3.31-B (REVISED JUNE 2003) TEMPORARY SEEDING SPECIFICATIONS QUICK REFERENCE FOR ALL REGIONS </div> </div>		
	<u>SEED</u>	
APPLICATION DATES	SPECIES	APPLICATION RATES
SEPT. 1 - FEB. 15	50/50 MIX OF ANNUAL RYEGRASS (LOLIUM MULTI-FLORUM) AND CEREAL (WINTER) RYE (SECALE CEREALE)	50-100 LBS/ACRE
FEB. 16 - APR. 30	ANNUAL RYEGRASS (LOLIUM MULTI-FLORUM)	60-100 LBS/ACRE
MAY 1 - AUG. 31	GERMAN MILLET	50 LBS/ACRE

FERTILIZER AND LIME

- APPLY 10-10-10 FERTILIZER AT A RATE OF 450 LBS./ACRE (OR 10 LBS./1,000 SQ. FT.)
- APPLY PULVERIZED AGRICULTURAL LIMESTONE AT A RATE OF 2 TONS/ACRE (OR 90 LBS./1,000 SQ. FT.)

MULCHING

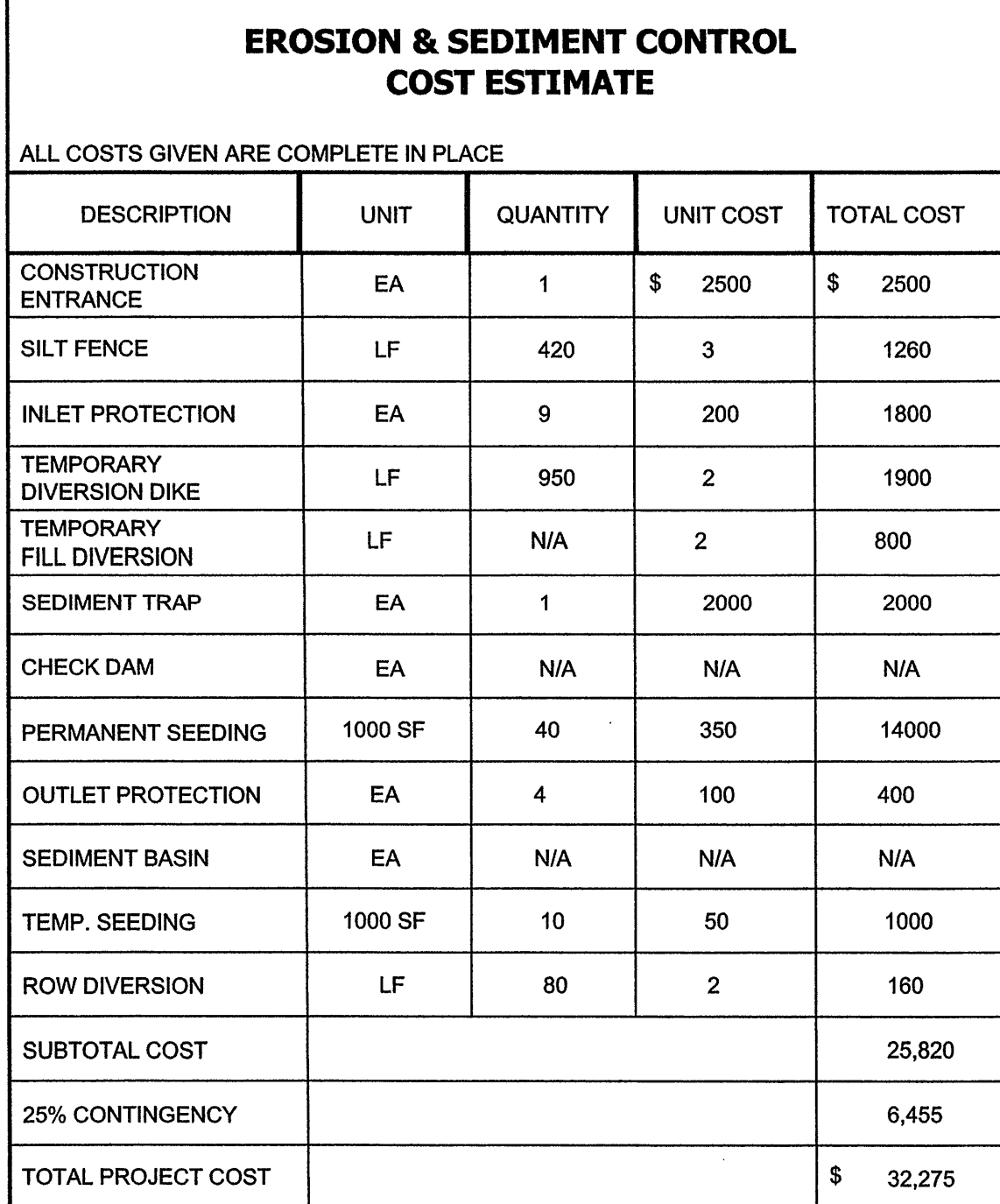
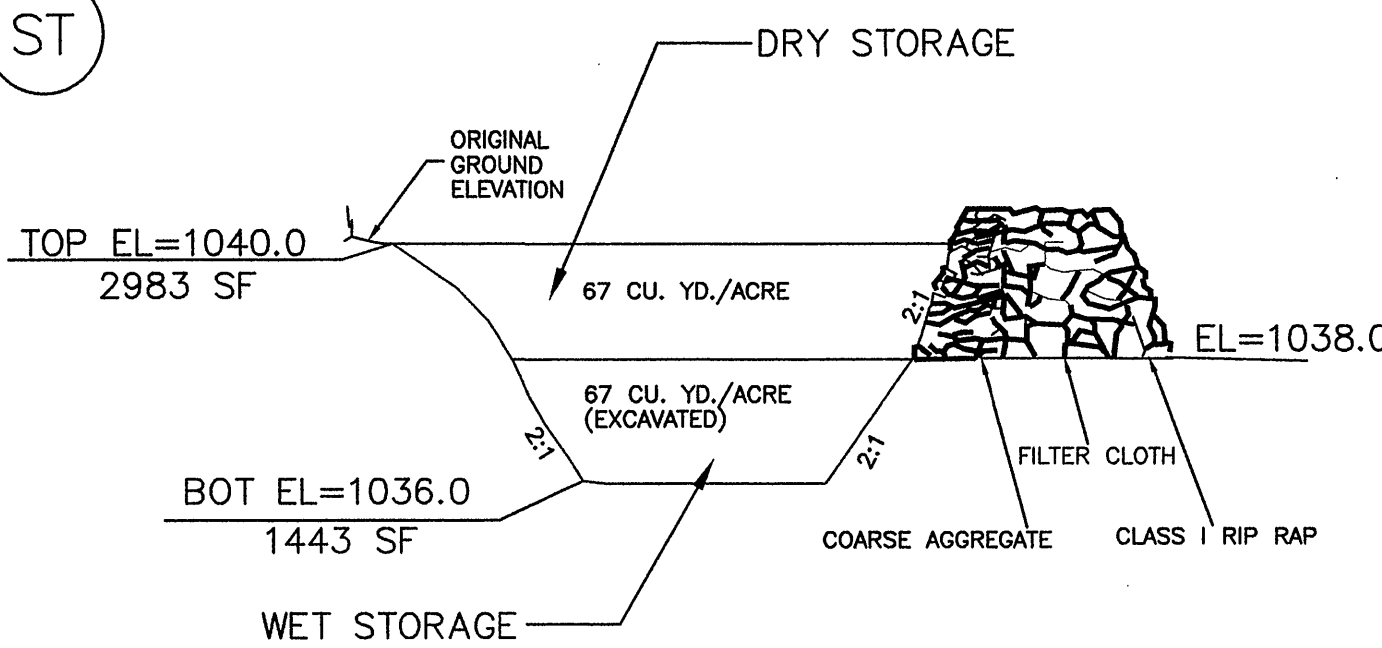
STRAW IS TO BE USED IN CONJUNCTION WITH ALL TEMPORARY SEEDING OPERATIONS DURING CONSTRUCTION

NOTE:

1. A SOIL TEST IS NECESSARY TO DETERMINE THE ACTUAL AMOUNT OF LIME REQUIRED TO ADJUST THE SOIL PH OF SITE.
2. INCORPORATE THE LIME AND FERTILIZER INTO THE TOP 4-6 INCHES OF THE SOIL BY DISKING OR BY OTHER MEANS.
3. WHEN APPLYING SOILWY AVAILABLE NITROGEN, USE RATES AVAILABLE IN EROSION & SEDIMENT CONTROL TECHNICAL BULLETIN #4, 2003 NUTRIENT MANAGEMENT FOR DEVELOPMENT SITES AT [HTTP://WWW.DCR.STATE.VA.US/SW/F&S.HTM#EUBS](http://www.dcr.state.va.us/SW/F&S.HTM#EUBS)

TEMPORARY SEDIMENT TRAP DESIGN DATA

CONTRIBUTING DRAINAGE AREA
(WORST-CASE SCENARIO) = 1.96 ACRES
SIDE SLOPES = 2:1
TOP ELEVATION = 1040'
BOTTOM ELEVATION = 1036'
OUTFALL LENGTH = 25'
OUTFALL WIDTH = 12' (6' /ACRE MIN.)
OUTFALL CREST ELEVATION = 1038.0'
WET STORAGE REQUIRED = 131 CY (67 CY/ACRE)
WET STORAGE PROVIDED = 133 CY
SEDIMENT CLEANOUT ELEVATION = 1037.0'
DRY STORAGE REQUIRED = 131 CY (67 CY/ACRE)
DRY STORAGE PROVIDED = 133 CY



GENERAL EROSION AND SEDIMENT CONTROL MEASURES

1. ALL SOIL EROSION & SEDIMENT CONTROL MEASURES SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS CONTAINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.

2. THE APPROVING AGENCY MAY ADD TO, DELETE, RELOCATE, CHANGE, OR OTHERWISE MODIFY CERTAIN EROSION AND SEDIMENT CONTROL MEASURES WHERE FIELD CONDITIONS ARE ENCOUNTERED THAT WARRANT SUCH MODIFICATIONS.

3. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE PLAN SHALL BE PLACED IN ADVANCE OF THE WORK BEING PERFORMED, AS FAR AS PRACTICAL.

4. IN NO CASE DURING CONSTRUCTION SHALL WATER RUNOFF BE DIVERTED OR ALLOWED TO FLOW TO LOCATIONS WHERE ADEQUATE PROTECTION HAS NOT BEEN PROVIDED.


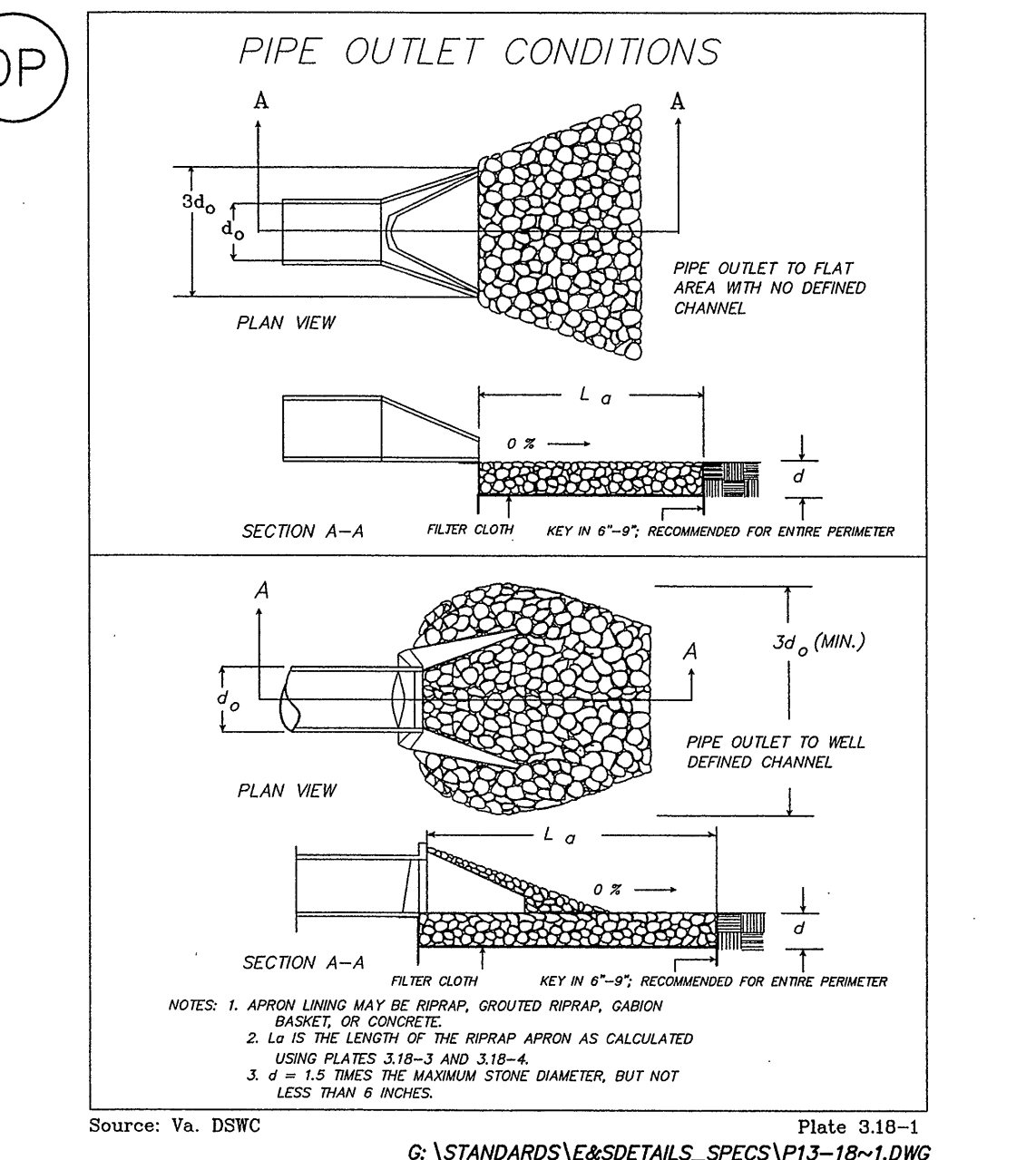
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LEAVE THE SITE ADEQUATELY PROTECTED AGAINST EROSION, SEDIMENTATION, OR ANY DAMAGE TO ANY ADJACENT PROPERTY AT THE END OF EACH DAY'S WORK.

6. FOR THE EROSION CONTROL KEY SYMBOLS SHOWN ON THE PLANS, REFER TO THE VIRGINIA UNIFORM CODING SYSTEM FOR EROSION AND SEDIMENT CONTROL PRACTICES CONTAINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION. THESE SYMBOLS AND KEYS ARE TO BE UTILIZED ON ALL EROSION CONTROL PLANS SUBMITTED TO ROANOKE COUNTY.

7. THE LOCATION OF ALL OFF-SITE FILL OR BORROW AREAS ASSOCIATED WITH THE CONSTRUCTION PROJECT WILL BE PROVIDED TO ROANOKE COUNTY DEPARTMENT OF COMMUNITY DEVELOPMENT. AN EROSION CONTROL PLAN OR MEASURES MAY BE REQUIRED FOR THIS AREA.

8. THIS SHEET MAY NOT BE MODIFIED EXCEPT FOR TABLES

TOTAL DISTURBED AREA = 3.94 AC. = 171,630 SQ. FT.



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and Associates, Inc.**

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 11/12/09
 PROFESSIONAL ENGINEER

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13,225 S.F. PROTOTYPE
STORE NUMBER: 7503
INTERSECTION OF
ROUTE 460 & ROUTE 610
ROANOKE, VIRGINIA

OWNER/DEVELOPER:
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15871 CITY VIEW DRIVE, SUITE 300
MIDLOTHIAN, VA 23113
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REVISIONS:	
LAYOUT COORD:	RRP
PLANNING MGR.	DBE
DRAWING BY:	DHL
DATE:	11/12/09
JOB NUMBER:	113001106
TITLE:	

E&S DETAIL PLAN

SHEET NUMBER:

CE-501

COMMENTS:
