

APPENDIX O
DCR Approvals/Conditional Approvals



L. Preston Bryant, Jr.
Secretary of Natural
Resources

Joseph H. Maroon
Director

COMMONWEALTH of VIRGINIA
DEPARTMENT OF CONSERVATION AND RECREATION

203 Governor Street, Suite 206
Richmond, Virginia 23219
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June 5, 2008

Mr. Roy T. Mills
State Hydraulics Engineer
Virginia Department of Transportation
1401 East Broad Street
Richmond, Virginia 23219

Subject: 2008 VDOT Annual Standards and Specifications for Erosion and Sediment Control and Stormwater Management

Dear Mr. Mills:

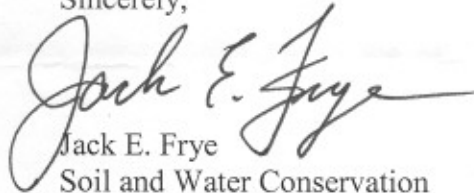
In accordance with §10.1-564 of the Virginia Erosion and Sediment Control Law and §10.1-603.5 of the Virginia Stormwater Management Law, the Department of Conservation and Recreation (DCR) has completed the review of the 2008 VDOT Annual Standards and Specifications for Erosion & Sediment Control and Stormwater Management and they are conditionally approved. The conditional approval is based on DCR staff review and recommendations. The approval contains the following conditions:

1. All VDOT land-disturbing activity requiring a stormwater management plan or General Permit for Discharges of Stormwater from Construction Activities will need to meet the requirements of the Virginia Stormwater Management Program Permit Regulations.
2. All regulated land disturbing activities undertaken on private and publicly owned lands in Virginia must be conducted in accordance with the approved 2008 VDOT Annual Standard and Specifications. Individual project-specific erosion and sediment control and stormwater management plans must be prepared to ensure proper on site implementation of erosion and sediment control and stormwater management measures. However, these plans need not be submitted to DCR for approval as long as they comply with the approved 2008 VDOT Annual Standard and Specifications.

To ensure compliance with approved standards and specifications, the Virginia Erosion and Sediment Control Law, and the Stormwater Management Law, staff in DCR regional and central offices will conduct random site inspections, respond to complaints, and provide on site technical assistance with specific erosion and sediment control and stormwater management measures and plan implementation.

Thank you very much for your submission and continued efforts to conserve and protect Virginia's precious natural resources.

Sincerely,

A handwritten signature in black ink, appearing to read "Jack E. Frye". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Jack E. Frye
Soil and Water Conservation
Division Director

cc: Eric Capps, DCR
Stephen D. Kindy, VDOT

TABLE 1: 2009 VDOT Annual Erosion and Sediment Control and Stormwater Management Standards and Specifications (Rev. Dec. 2006)

VDOT Annual Submittal Appendix	VDOT Document	VDOT Document Sections	IIM revised Date	Approved 2008 Items	New/Updated 2009 Items	Notes
Appendix F	ESC & SWM Plan Development/Implementation Process	ESC/SWM/VSMP Requirements Flowchart	Aug. 15, 2006	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix F	ESC & SWM I&IM	IIM-LD-11.24 ESC - Revised	July 9, 2008	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Submitted to DCR ???
Appendix F	ESC & SWM I&IM	IIM-LD-73.5 Riprap	Dec. 1, 2005	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Appendix F	ESC & SWM I&IM	IIM-LD-110.18 General Notes	March 27, 2007	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Submitted to DCR ????
Appendix F	ESC & SWM I&IM	IIM-LD-121.15 Pipe Criteria and Drainage Instructions	Aug. 26, 2005	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Appendix F	ESC & SWM I&IM	IIM-LD-122.12 Roadside Development	Aug.18, 2008	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Submitted to DCR ???
Appendix F	ESC & SWM I&IM	IIM-LD-166.4 Soil Stabilization Mat	Dec. 1, 2005	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix F	ESC & SWM I&IM	IIM-LD-195.6 Management of Stormwater	Aug. 18, 2008	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Submitted to DCR???
Appendix F	ESC & SWM I&IM	IIM-LD-214.2 Sinkholes	July 27, 2006	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Submitted to DCR??
Appendix F	ESC & SWM I&IM	IIM-LD-228.1 Culvert Design	Sept. 12, 2008	<input type="checkbox"/>	<input checked="" type="checkbox"/>	???????
Appendix F	ESC & SWM I&IM	IIM- LD-242 VSMP	Aug.15, 2006	<input type="checkbox"/>	<input checked="" type="checkbox"/>	???????
Appendix F	ESC & SWM I&IM	IIM- LD-245 Rural Rustic Road Project	Sept. 12,2008	<input type="checkbox"/>	<input checked="" type="checkbox"/>	???????
Appendix F	Hydraulic Design Advisory	HDA 05.03 NOAA Atlas 14	July 25, 2006	<input type="checkbox"/>	<input checked="" type="checkbox"/>	???????????
Appendix F	Hydraulic Design Advisory	HDA 05.04.3 TR-55 & TR-20	Aug. 27, 2008	<input type="checkbox"/>	<input checked="" type="checkbox"/>	???????????
Appendix F	Hydraulic Design Advisory	HDA 06.03.1 Culvert Outlet Protection	Sept. 1, 2007	<input type="checkbox"/>	<input checked="" type="checkbox"/>	???????????????

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Appendix F	Hydraulic Design Advisory	HDA 06.05 E&S Control Plan Details	Nov. 16, 2006	<input type="checkbox"/>	<input checked="" type="checkbox"/>	????????????????????
Appendix F	Hydraulic Design Advisory	HDA 07-01 SWM Plans	Sept. 16, 2008	<input type="checkbox"/>	<input checked="" type="checkbox"/>	????????????
Appendix F	Hydraulic Design Advisory	HDA 08-02 Guidelines for the Design and Acceptance of Roadway Causeways	Feb. 04, 2008	<input type="checkbox"/>	<input checked="" type="checkbox"/>	???????
Appendix G	VDOT Road Design Manual	Appendix A Section A-7 pages A105-A134	01/07	<input type="checkbox"/>	<input checked="" type="checkbox"/>	?????
Appendix H	Road & Bridge Standards	EC-1	2006	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Submitted to DCR Nov. 2, 2006
Appendix H	Road & Bridge Standards	EC-2	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	EC-3	2005	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	EC-4	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	EC-5	2006	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Submitted to DCR Nov. 2, 2006
Appendix H	Road & Bridge Standards	EC-6	2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	EC-7	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	EC-8	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	EC-9	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	EC-14	2007	<input type="checkbox"/>	<input checked="" type="checkbox"/>	????????????
Appendix H	Road & Bridge Standards	L-3 Typical for Plant Benching	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	Roadside Development Sheet a4	2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	EC Summary a5	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

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Appendix H	Road & Bridge Standards	Temp. Sediment Trap Detail a6	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	Sink Hole Details Isd2944	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	Temp. Diversion Channel & Acceptable Linings	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	ESC-INS Sheet 1	2004	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	ESC-INS Sheet 2	2004	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	ESC-INS Sheet 3	2004	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	PG-2A – Standard Paved Ditch - Triangular	2004	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	PG-3 - Standard Rip Rap Ditch & Slope Protection	2006	<input type="checkbox"/>	<input checked="" type="checkbox"/>	A note was added to the drawing to reference an insertable plan sheet
Appendix H	Road & Bridge Standards	PG-5 – Standard Paved Ditch - Trapezoidal	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	SWM-1 (Cast-In-Place)	2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	SWM-1 (Precast)	2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	SWM-DR - Sheet 1	2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	SWM-DR - Sheet 2	2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	SWM-DR - Sheet 3	2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	SWM-DR - Sheet 4	2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix H	Road & Bridge Standards	SWM-DR - Sheet 5	2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division I	Sec. 101 Definitions	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division I	Sec. 103 Award and Execution	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

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Appendix I	Road & Bridge Specifications - Division I	Sec. 104 Scope of Work	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division I	Sec. 105 Control of Work	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division I	Sec. 106 Control of Material	2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division I	Sec. 107 Legal Relations & Public Responsibility	2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division I	Sec. 108 Prosecution & Progress of Work	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division II	Sec. 203 Coarse Aggregate	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division II	Sec. 204 Stone for Masonry, Riprap, Porous Backfill, and Gabions	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division II	Sec. 239 Sodium Chloride – Calcium Chloride	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division II	Sec. 240 Lime	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division II	Sec. 242 Fences	2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division II	Sec. 244 Roadside Development Materials	2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division II	Sec. 245 Geosynthetics	2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division III	Sec. 301 Clearing & Grubbing	2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

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Appendix I	Road & Bridge Specifications - Division III	Sec. 302 Drainage Structures	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division III	Sec. 303 Earthwork	2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division IV	Sec. 401 Structure Excavation	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division IV	Sec. 402 Sheet Piles	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division IV	Sec. 413 Dismantling & Removing Structures	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division IV	Sec. 411 Protective Coatings of Metal in Structures	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division IV	Sec. 414 RipRap	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division IV	Sec. 415 Concrete Slope Protection	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division IV	Sec. 418 Timber Structure	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division V	Sec. 501 Underdrains	2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division V	Sec. 506 - Retaining Walls	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division V	Sec. 511 Allaying Dust	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division V	Sec. 512	2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division V	Sec. 520 Water & Sanitary Sewer Facilities	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

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Appendix I	Road & Bridge Specifications - Division VI	Sec. 602 Topsoil	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division VI	Sec. 603 Seeding	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division VI	Sec. 604 Sodding	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division VI	Sec. 605 Planting	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division VI	Sec. 606 Soil Retention Coverings	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division VI	Sec. 607 Herbicide Spraying	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division VI	Sec. 608 Mowing	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division VI	Sec. 609 Tree Wells & Tree Walls	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix I	Road & Bridge Specifications - Division VI	Sec. 610 Gabions	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix J	Erosion and Sediment Control Inspection Forms, Related Construction Forms & Memoranda	C-107a&b, C-10, C-12, C-18a, C-26, C-36i, C36, C-45, C-5, C-54, C-83, C-84, CD-2002-9, LD-445, LD-445A, LD-445B, LD-445C, LD-445D	Varies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Check marks were removed from C-107A form. Added LD-445(A-D) forms
Appendix K	VDOT Stormwater Management Maintenance Program	SWM Facilities Maintenance Program	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix K	VDOT Stormwater Management Maintenance Program	SWM Basin Maintenance Inspection Checklist	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

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Appendix M	Modifications to Specifications	c100b0b, s106A2B, s107A0B, s107F1B, s107G0B, s242A0B, s244A0B, s245A1B, c302a0b, c302b1b, c302b2b, s303A0B, s303c1B, s303D0B, s303E2B, s303E3B, c603a0b NEED VCWW #	2006	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
See Web Site	VDOT Drainage Manual	Chapter 6	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
See Web Site	VDOT Drainage Manual	Chapter 7	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
See Web Site	VDOT Drainage Manual	Chapter 8	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
See Web Site	VDOT Drainage Manual	Chapter 10	2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
See Web Site	VDOT Drainage Manual	Chapter 11	2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	