

Print

Clear



FAUQUIER COUNTY

CONSTRUCTION/INFRASTRUCTURE PLAN CHECKLIST

Plan Name: \_\_\_\_\_ Plan #: \_\_\_\_\_
Submitting Firm: \_\_\_\_\_ Project Coordinator: \_\_\_\_\_
Phone #: \_\_\_\_\_ Magisterial District \_\_\_\_\_

- S.O. Fauquier County Subdivision Ordinance
Z.O. Fauquier County Zoning Ordinance
FCC Fauquier County Code
DSM Fauquier County Design Standards Manual
VSMH Virginia Stormwater Management Handbook

Table with 7 columns: CODE SECTION, DESCRIPTION, SHEET, OK, NO, N/A, LINE. Rows include requirements for signatures, maps, and plan details.

CODE SECTION	DESCRIPTION	SHEET	OK	NO	N/A	LINE
S.O. 10-6 (B)(4)	Provided topography shall have a contour interval of not greater than 2 feet tied to U.S.G.S. datum.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12
S.O. 10-6 (B)(6)	Show existing and proposed sanitary sewer, storm sewer and water, to include plan view and profiles.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13
S.O. 10-6 (B)(7)	For all projects involving individual sewage disposal systems, the OSE shall sign the certification block per FCC Section 17-6.3.B.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14
S.O. 10-6 (B)(8)	Projected traffic volumes, both existing and estimated, traffic splits, and method of determination. VDOT approved road classification.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15
S.O. 10-6 (B)(9)	Existing and proposed streets and names, alleys, travelways, parking bays, and sidewalks, including plan view, profiles, culverts, bridges, and typical roadway sections.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16
S.O. 10-6 (B)(10)	Storm drainage system plans including stormwater management as outlined in the DSM. Plans must be sufficient to build structure and outfall. Drainage divides and summary shown on the plans.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17
S.O. 10-6 (B)(11)	Soil and erosion control plans including stormwater management as outlined in the DSM. Plans are sufficient to build structure and outfall. Drainage divides and summary shown on the plans.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18
S.O. 10-6 (B)(12)	Offsite drainage map from U.S.G.S. scale topographic maps showing location of property and all drainage divides that parcel is a part of.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19
S.O. 10-6 (B)(13)	Plan shall show existing and proposed easements and rights-of-ways, including width, use, and owner.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20
S.O. 10-6 (B)(14)	Show use of all abutting or contiguous parcels.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	21
S.O. 10-6 (B)(15)	Show watercourses and their names.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	22
S.O. 10-6 (B)(16)	Existing and proposed buildings, uses and setbacks. For infrastructure plans, a representational building area may be identified if specific building information is not available.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	23
S.O. 10-6 (B)(17)	If hydric soils are present per the soil report, evidence of all wetland permits required by law are required prior to start of all grading or other on-site activities.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24
S.O. 10-6 (B)(18)	The plan shall be in substantial accordance with the Preliminary Plat and reflective of any conditions for its approval. At least one sheet of the plans shall be an overall exhibit of the approved: -Preliminary Plan – including all conditions -Proffer Statement – including all proffered exhibits -Special Exception Plat - including all conditions		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25
S.O. 10-6 (B)(19)	Location for signs, including signs identifying street name, speed limit, stop, no parking, etc., shall be shown in accordance with the current version of the MUTCD and VDOT regulations.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	26
S.O. 10-6 (C)	Calculations for drainage, stormwater management, BMP's, waterline flows, or other areas where necessary for agency review of engineering methods, sealed and signed by P.E. or L.S. class 3-B. Calculations shall be included within plan pages. SWM plans shall be prepared in accordance with DSM.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	27
S.O. 10-6 (D)	Floodplain study as approved by FEMA where applicable. Where no FEMA floodplain is present, calculations shall show the 100-year floodplain elevations and boundaries in defined drainageways.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	28
S.O. 10-6 (E)	Approved hydrogeologic study when required.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	29
S.O. 10-6 (F)	Final Soils Report and Map provided per subsections 1-10.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	30
S.O. 10-6 (M)	Where the Construction/Infrastructure Plan was not preceded with a Preliminary Plat, all information required per Section 9-5 (Preliminary Plats) shall be included in the Construction/Infrastructure Plan.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	31
S.O. 9-5 (B)(32)	A signed statement by the present owner authorizing appropriate County & State personnel permission to enter the property.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	32

CODE SECTION	DESCRIPTION	SHEET	OK	NO	N/A	LINE
<b>ADDITIONAL REQUIREMENTS</b>						
Z.O. 2-308	Density calculations, including deductions for steep slopes, floodplain, and right-of-ways.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	33
Z.O. 2-309, Z.O. 2-406	Open space calculations		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	34
Z.O. 2-307, Z.O. 2-411, & Z.O.2412	Existing and proposed buildings, their uses and setbacks		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	35
Z.O. 3-400	Lot bulk regulations and setbacks are shown per Section 3-400, Subsections 3-401 to 3-411.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	36
S.O. 5-1, S.O. 5-5	All proposed streets shall provide for continuation of planned, existing, or platted streets in adjoining areas. The street arrangement shall provide adequate access to adjoining parcels.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	37
S.O. 5-2, S.O. 5-3	Streets shall be designed to discourage through traffic, and offset or jog streets shall be avoided. The angle of intersection between streets shall be at right angles.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	38
S.O. 5-4, S.O 5-7	The right-of-way shall not be less than 50 feet. The right-of-way for all streets shall conform to the widths designated in the Comprehensive Plan. Where half streets exist on adjoining property the remaining right-of-way shall be dedicated.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	39
S.O. 5-8	Dead-end streets shall be designed and constructed in accordance with Z.O. 7-302.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	40
S.O. 5-9	Streets more than 300 feet from an intersection or proposed to serve more than 8 residences that terminate temporarily shall be provided with a temporary terminal cul-de-sac with a radius of not less than 50 feet.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	41
S.O. 7	All proposed streets shall conform to the minimum street improvements required in Section 7 of the Subdivision Ordinance, subsections 7-1 to 7-17.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	42
S.O. 7-17	Curb, gutter and sidewalk in Service Districts, Residential Districts and Villages shall be required as follows:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	43
	<ul style="list-style-type: none"> <li>(A) Combination curb, gutter and sidewalk shall be required along both sides of all public and private streets, accessways or service drives in subdivisions having lots containing 25,000 sq.ft. or less in area, either conventional or cluster. In addition, sidewalks shall be required on streets, accessways, or service drives qualifying as local roads, minor collectors or major collectors.</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<ul style="list-style-type: none"> <li>(B) Pedestrian trails shall be required along all public streets, accessways or service drives qualifying as local roads serving 400 vehicles per day or more, minor collectors in subdivisions having lots of 25,000 sq. ft., but less than 2 acres in area. trails shall be at least 5 ft. in width and constructed of asphalt.</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<ul style="list-style-type: none"> <li>(C) Or as shown on the Comprehensive Plan</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<ul style="list-style-type: none"> <li>(D) Or a Planning Commission Waiver of the above requirements.</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Z.O. 7-302	All proposed streets meet the street length criteria of Section 7-302, subsections 1-5.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	44

CODE SECTION	DESCRIPTION	SHEET	OK	NO	N/A	LINE
Z.O. 7-600	Landscape Plan including crown coverage calculations, proposed landscaping with species and sizes, easements for existing tree save areas and street trees.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	45
Z.O. 7-602	For all proposed tree plantings, provide General Standards, notes 1-3.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	46
Z.O. 7-603.2	Clearcutting of trees is limited to those areas necessary for the planned house pad, yard, drainfields, new streets, stormwater management facilities, and recreation areas.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	47
Z.O. 7-603.2.a	Tree canopy coverage of at least 15% total site area provided through preservation or planting and replacement.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	48
Z.O. 7-603.2.b	Street tree plantings are provided at entry points and along areas abutting and planned for public street dedication or as private streets at a rate of one tree per 50 linear feet.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	49
Z.O. 7-603.4	Existing trees counted towards tree canopy requirements shall be identified with number, type and location. Existing wooded areas to be preserved are included in tree protection easements. Tree protection methods during construction activities are shown and detailed.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	50
Policy	Copy of valid subdivision potential letter included in plan sheets for all properties zoned RA or RC.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	51
Policy	Additional requirements from pre-application review (if applicable).		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	52
Policy	List of all Administrative, DSM, or submission requirements waivers requested, with detailed justification statement.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	53
Policy	List of all Subdivision or Zoning Ordinance waivers granted by Planning Commission and/or Board of Supervisors, with case numbers and date of approval.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	54
<b>STORM DRAINAGE AND STORMWATER MANAGEMENT PLANS</b>						
DSM 201.1.1	For storm drainage systems that are located within public rights-of-way and/or will be included for maintenance under the state highway system, the rainfall frequencies required by the VDOT Drainage Manual shall be used, with the exception that no system shall be designed for less than the ten (10) year storm.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	55
DSM 201.1.1	The VDOT Drainage Manual shall be used for the design of inlets or catch basins unless the conditions require the design for a large storm event as determined by the County.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	56
DSM 201.1.1	The ten (10) year storm event and the actual time of concentration shall be used for the design of all grate inlets.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	57
DSM 201.1.1	Grate inlets shall be designed using a fifty percent (50%) clogging factor.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	58
DSM 201.1.1	The specified design storms for stormwater management facilities shall be defined as the 24-hour storm using site specific rainfall precipitation frequency data recommended by the National Oceanic and Atmospheric Administration (NOAA) Atlas 14 unless using the Modified Rational Method, in which case the storm of critical duration should be used.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	59
DSM 201.1.2	All storm drainage designs for open channels, culverts, and storm drains shall be designed to provide overland relief to convey the 100year storm event where there is a possibility of flooding residences, commercial or industrial buildings, overtopping primary roads, experiencing significant economic loss, or catastrophic failure.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	60
DSM 201.2	A topographic map identifying all drainage areas. The 5-foot contour topographic maps available from the Fauquier County GIS Department are appropriate to delineate drainage areas that extend beyond the site development area.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	61

CODE SECTION	DESCRIPTION	SHEET	OK	NO	N/A	LINE
DSM 201.2	The travel time path shall be reflective of the actual conditions both before and after the land disturbing activities.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	62
DSM 201.3.2	The length of overland flow shall be reflective of actual conditions and shall be no greater than 150 feet unless approval from the Program Administrator is obtained.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	63
DSM 201.3.2	Overland flow shall be calculated using TR-55 methodology or using the Seelye chart and the roughness coefficients (Manning's n-values) for sheet flow provided in DSM Table 201.1.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	64
DSM 201.3.3	The maximum allowable length for shallow concentrated flow shall be 1000 feet. The travel time for shallow concentrated flow shall be calculated using TR-55 methodology or the Kirpich nomograph.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	65
DSM 201.3.4	The travel time for channelized flow and pipe flow shall be calculated using TR-55 methodology or the Kirpich nomograph.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	66
DSM 201.4.1	The Natural Resources Conservation Service (NRCS) synthetic rainfall distribution and models, including but not limited to Technical Release 20 (TR-20), TR-55, and the USACE's HEC-1 and HEC-HMS software, as well as other NRCS applications are preferred and acceptable for all stormwater management and floodplain analyses.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	67
	• The NRCS method must be used where drainage areas are equal to or greater than 200 acres, or where times of concentration are 20 minutes or longer.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	• The Rational Method may be used for drainage areas that are less than 200 acres.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	• The Modified Rational Method may be used to determine peak discharge rates for drainage areas less than 200 acres and when the time of concentration is less than 20 minutes.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DSM 204.4.3.C	When calculating existing rates of runoff (pre-construction), assume that all cover types are in good hydrologic condition.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	68
DSM 201.4.2.A	The Runoff Coefficient (C factor) shall be selected from the range of values for a given land use provided in DSM Exhibit 201.3. Deviations from these values must be approved by the Program Administrator.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	69
DSM 201.4.2.B	Rainfall Intensity (I) shall be determined using the formula $I = B / (t_c + D)^E$ . Values for B, D and E can be obtained in the table in DSM 201.4.2.B.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	70
DSM 201.6	Design of drainage infrastructure shall be based on the ultimate development conditions of the contributing drainage area.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	71
DSM 202.1.1	Design flows for open channels must be contained within the channel.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	72
DSM 202.1.2	The lining of channels shall be designed to withstand the erosive effects from a 2-year storm event.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	73
DSM 202.1.2	The final design velocities for open channels must be within the limitations for the selected channel lining as presented in DSM Table 202.1 and Exhibit 202.3.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	74
DSM 202.1.3	The minimum allowable slope for vegetated-lined open channels is 2percent, and the minimum allowable slope for concrete-lined channels is 1-percent, other than roadside ditches within VDOT's right of way.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	75
DSM 202.1.4	Residential lots in which the lot size is less than 30,000 square feet shall be graded in such a manner that surface runoff does not cross more than two (2) lots before it is collected in a storm sewer system or a designed stormwater conveyance channel.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	76

CODE SECTION	DESCRIPTION	SHEET	OK	NO	N/A	LINE
DSM 202.2.A	Projects not requiring Construction General Permit coverage under the VESMP Regulations shall meet the requirement of 9VAC25-875-560.19 for stream channel erosion prevention criteria and flood protection criteria.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	77
DSM 202.2.B and DSM 205.2	Projects obtaining Construction General Permit coverage under the VESMP Regulations shall meet the requirements of Chapter 875, Part V, Article 3 of the Virginia Erosion and Stormwater Management Regulations for channel protection and flood protection criteria.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	78
DSM 203.1.A	Culverts shall be designed with a headwater to culvert diameter ratio of less than 2.0 for the 10-year storm, unless otherwise restricted by VDOT.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	79
DSM 203.1.B	The overland relief area of the 100-year frequency storm with the culvert 100% clogged shall be shown not to flood adjacent buildings/structures.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	80
DSM 203.1.C	The minimum culvert performance shall be determined by analyzing both inlet and outlet control for the design flow and using the higher resulting headwater.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	81
DSM 203.1.D	Culverts under public roads shall be provided with end sections or endwalls in accordance with the outlet protection requirements of the VDOT Drainage Manual.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	82
DSM 203.1.E	The minimum velocity in a culvert shall be 3 feet per second for a 2year storm event.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	83
DSM 203.1.E	All closed conduit and culvert design within the VDOT right of way should be in accordance with the latest version of the VDOT Drainage Manual.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	84
DSM 203.2.B	Private culverts not in the VDOT right-of-way may be Reinforced Concrete Pipe (RCP) or Corrugated Metal Pipe (CMP). Corrugated High-Density Polyethylene (HDPE) with an integrally formed smooth interior is allowed for culverts of 48" diameter or smaller.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	85
DSM 203.2. C	Manning's n-values for culverts shall be representative of the culvert material specified per DSM exhibit 203.1.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	86
DSM 203.3	The minimum culvert size shall be 15-inch diameter.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	87
DSM 203.3	The maximum length of culvert shall be 300 feet.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	88
DSM 203.5	When a culvert is set in a perineal stream the invert of the culvert shall be set below the normal flow line as required in the VDOT Drainage Manual. The slope of the culvert shall not exceed the slope of the natural stream.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	89
DSM 204.1	Storm drain calculations establishing the design flow shall be submitted with the Storm Drainage Plan. Design flows shall be based on ultimate build-out of the contributing watershed based on the current Comprehensive Plan.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	90
DSM 204.2.A	Inlets shall be designed for the 10-year storm.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	91
DSM 204.2.B	Storm drains shall be designed for the 10-year frequency design storm.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	92
DSM 204.2.B	Grate inlets in a sump condition shall be designed using a 50% clogging factor.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	93
DSM 204.2.C	The minimum slope of a closed conduit storm drain pipe shall be 0.5%.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	94
DSM 204.2.D	Stormwater conveyance pipes shall have a minimum of 15-inch diameter.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	95

CODE SECTION	DESCRIPTION	SHEET	OK	NO	N/A	LINE
DSM 204.2.D	Storm drain pipe size shall not be reduced in the direction of flow, except as required for the proper operation of stormwater management facilities. In general there may not be a reduction in pipe size greater than one standard increment in the direction of flow.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	96
DSM 204.2.E	A cleanout access point, either an inlet, manhole or junction box, shall be provided at a maximum of every 300 feet of pipe.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	97
DSM 204.3	The hydraulic grade line shall not exceed any critical elevation during the design storm, including rising above the ground elevation at inlets or other structures, or reaching a point where storm flow would back-up to cause flooding damage.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	98
DSM 204.4	In all Service Districts, drainage systems shall be designed to provide overland relief from the 100-year rainfall event without increasing flood potential for nearby buildings.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	99
DSM 204.5.A	Storm drains not in the VDOT right-of-way shall be constructed with RCP or HDPE pipe.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100
DSM 205.3	To properly design stormwater detention facilities, a flow routing computer program shall be used with appropriate elevation-discharge-storage relationship for the design storm events.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	101
DSM 205.4	Stormwater detention facilities should not be constructed within a Federal Emergency Management Agency (FEMA) designated Special Flood Hazard Area (SFHA). If this is unavoidable, the facility shall comply with all applicable regulations under the National Flood Insurance Program, 44 CFR Part 59.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	102
DSM 205.4	A minimum separation of 50' from the computed 100-year water-surface elevation of an extended detention pond and drainfields is required.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	103
DSM 205.4	Wet ponds shall maintain a minimum separation of 100' from the computed 100-year water surface elevation and drainfields.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	104
DSM 205.4	Stormwater management and BMP facilities shall not be located in required buffer areas unless authorized by the Zoning Administrator.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	105
DSM 205.4	In subdivisions, all stormwater management/BMP facilities must be placed in a common area, and not on private lots, unless prior approval has been obtained from the VESMP Administrator. Note: This does not preclude the use of Low Impact Development (LID) practices such as bioretention facilities, dry wells, etc. on individual lots.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	106
DSM 205.4	All Stormwater Management Ponds shall have their toe of embankment established a minimum of 10 feet from all property lines.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	107
DSM 205.4	A "No Plant Zone" area shall be established extending a minimum of 10 feet beyond the embankment toe and shall be included in a stormwater maintenance easement.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	108
DSM 205.4	Hydrophilic trees or shrubs, such as maple, sycamore or willow species, shall not be permitted within 25 feet of the embankment toe.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	109
DSM 205.5	Impounding structures that are not covered under the Virginia Dam Safety regulations shall be designed to maintain structural integrity during the 100-year frequency storm event. An emergency spillway shall be provided. The emergency spillway may be separate or incorporated into the design of the principal spillway. Weirs or orifices used to control lesser frequency storms are to be considered 100% clogged for the design of the emergency spillway.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	110
DSM 205.5	Embankment side slopes shall be no steeper than 3:1 unless prior approval is obtained from the VESMP administrator.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	111

CODE SECTION	DESCRIPTION	SHEET	OK	NO	N/A	LINE
DSM 205.5	Embankments must provide at least one foot of freeboard from the maximum 100-year storm water-surface elevation to the lowest elevation on the top of the dam.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	112
DSM 205.5	A geotechnical study must be provided for all stormwater embankments greater than 6 feet in height as measured from the toe of the embankment.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	113
DSM 205.5	Dry stormwater management detention facilities shall be designed to be empty within 72 hours of the storm event.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	114
DSM 205.5	The minimum orifice size shall be 1" diameter.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	115
DSM 205.5	All riser structures shall be cast-in-place concrete unless a substitute material has been approved by the Program Administrator.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	116
DSM 205.5	Outflows from stormwater detention/retention facilities shall be discharged into an adequate channel as specified in Section 202.2.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	117
DSM 205.5	Stormwater basin embankments shall be vegetated in accordance with the standards in the Virginia Stormwater Management Handbook or the BMP Clearinghouse.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	118
DSM 205.5	Underground facilities shall not be permitted in single family detached subdivisions.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	119
DSM 205.5	If underground facilities are proposed, the following note shall appear on the plans: <i>"Construction inspections are required throughout construction by the design engineer or other qualified professional to ensure that stormwater management facilities are constructed in conformance with the approved design plan."</i>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	120
DSM 205.5	Trash racks are required at the low flow orifice controlling extended detention drawdown. Trash racks are required at the tops of all risers/drop inlet spillways. The trash rack shall be a removable unit.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	121
DSM 205.5	Emergency spillways and their outfall channels must safely convey the 100-year storm to a receiving channel (the receiving channel does not have to be adequate for the 100-year storm).		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	122
DSM 205.6	Access to remote stormwater management/BMP facilities must be provided by an all-weather vehicular traversable route a minimum of 8 feet wide and contained in appropriate easements.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	123
DSM 205.6	Stormwater management access roads with grades of 0%-3.49% may be stabilized with grass; access roads with grades of 3.5%-6.99% shall be stabilized, at a minimum, with compacted gravel mix (21-a), and access roads with grades of 7%-12% shall be paved with asphalt.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	124
DSM 206.1	Permanent outlet protection shall be provided at culvert and stormdrain discharge points and shall be designed in accordance with VDOT methods.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	125
DSM 207.3	A geotechnical report with site specific infiltration rates is required for all stormwater infiltrations practices. The report must demonstrate that the infiltration BMP will work as designed.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	126
DSM 207.3	All wet ponds shall have an aquatic safety bench at least 10 feet wide with slopes not to exceed 1:10 (V:H) or 1' water depth.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	127
DSM 207.3	No more than one penetration shall be allowed through a dam structure without prior approval of the program administrator.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	128
DSM 208.2	Stormwater management/BMP practices having an infiltration component are prohibited in stormwater management hot spot areas.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	129
DSM 208.2	Stormwater detention facilities shall be separated a minimum of four feet from the seasonal high groundwater table, or use an impermeable liner if the facility will be receiving runoff from a stormwater management hotspot.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	130

CODE SECTION	DESCRIPTION	SHEET	OK	NO	N/A	LINE
DSM 209.1	Easements shall not split property lines. Open channels or storm drains that run parallel to a property line shall be offset a sufficient amount so that the easement is totally contained on the property that contains the open channel or storm drain.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	131
DSM 209.1	A storm drainage easement shall be provided for the exit channel of all emergency spillways sufficient to convey the maximum emergency spillway flow to an existing downstream receiving channel.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	132
DSM 209.1	For all Subdivision Plans, the maximum computed 100-year water-surface elevation must be contained within the Stormwater Management Easement.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	133
DSM 209.1	Storm drainage easements shall not be located within 10 feet of the rear wall of any individual single-family residential structure.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	134
DSM 209.1	Underground utility lines and structures shall be kept at least 5-feet horizontal from drainage pipes, structures, and channels. Utility crossings at drainage easements shall be as near to 90 degrees as possible.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	135
DSM 209.1	Where a storm drainage system terminates or starts short of a property line, adequate drainage easements shall be dedicated to allow for maintenance and future extension of the system through the property.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	136
DSM 209.1	Drainage easements at the inlet and outlet of all culverts and storm drain inlets shall include areas inundated by the headwater during the 10-year storm.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	137
DSM 209.1	Storm drainage easements shall extend a minimum of 10 feet from culvert inlets and outlets and storm drain inlets to allow for maintenance access.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	138
DSM 209.1	Storm drain easements shall cross private driveways at perpendicular angles to the extent practicable.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	139
DSM 209.3	All stormwater structures and BMPs shall be accessible. All access easements shall connect to a public road or right-of-way.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	140
<b>EROSION &amp; SEDIMENT CONTROL PLANS</b>						
Chapter 4, VSMH	<p><b>Project description</b> – Briefly describes the nature and purpose of the land-disturbing activity</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Total acreage of site</li> <li><input type="checkbox"/> Total disturbed acreage</li> <li><input type="checkbox"/> Include how many acres will be in permanent seed</li> <li><input type="checkbox"/> Include all utility work (storm sewer and waterline)</li> <li><input type="checkbox"/> Include work in live streams as defined by DEQ (may require additional permitting form the Virginia Department of Environmental Quality and/or the US Army Corps of Engineers).</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	141
Chapter 4, VSMH	<p><b>Existing site conditions</b> – A description of the existing topography, vegetation and drainage</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Wetland type vegetation</li> <li><input type="checkbox"/> Shrubs/tree line</li> <li><input type="checkbox"/> Include all drainage swales</li> <li><input type="checkbox"/> Identify any existing structures</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	142

CODE SECTION	DESCRIPTION	SHEET	OK	NO	N/A	LINE
Chapter 4, VSMH	<p><b>Adjacent areas</b> – A description of neighboring areas such as streams, lakes, residential areas, roads, etc., which might be affected by the land disturbance</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Include all adjacent sensitive areas such as wetlands or water bodies</li> <li><input type="checkbox"/> Address any possible traffic issues</li> <li><input type="checkbox"/> Does it reflect actual conditions</li> <li><input type="checkbox"/> Staging areas</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	143
9VAC25-875-240(D), Chapter 4 and 6, VSMH	<p><b>Off-site-areas</b> – Describe any off-site land-disturbing activities that will occur (including borrow sites, waste or surplus areas, etc.)</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Does the site balance in regards to amount of cut and fill?</li> <li><input type="checkbox"/> Will offsite areas be used as a borrow area or stockpile?</li> <li><input type="checkbox"/> Include a note that the borrow area &amp; stockpile location has not been identified with this plan that a plan amendment will be required along with a bond estimate for the new disturbance if the borrow area &amp; stockpile location is not permitted.</li> <li><input type="checkbox"/> Offsite Soil Tracking Form</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	144
Chapter 4, VSMH	<p><b>Soils</b> – A brief description of the soils on the site giving such information as:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Soil name</li> <li><input type="checkbox"/> Mapping unit</li> <li><input type="checkbox"/> Erodibility</li> <li><input type="checkbox"/> Permeability</li> <li><input type="checkbox"/> Depth</li> <li><input type="checkbox"/> Texture</li> <li><input type="checkbox"/> Soil structure</li> <li><input type="checkbox"/> Type 1 Soil Map provided</li> <li><input type="checkbox"/> Specify micaceous soils</li> <li><input type="checkbox"/> Reference soils information in narrative to plan sheet</li> <li><input type="checkbox"/> Specify high water table soils</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	145
Chapter 4, VSMH	<p><b>Critical areas</b> – A description of areas on the site which could potentially have a serious impact</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Drainfields</li> <li><input type="checkbox"/> Offsite SWM facility</li> <li><input type="checkbox"/> Micaceous soils – highly erodible soils</li> <li><input type="checkbox"/> Wetlands or water bodies</li> <li><input type="checkbox"/> Steep slopes</li> <li><input type="checkbox"/> Wet weather/underground springs</li> <li><input type="checkbox"/> Channels</li> <li><input type="checkbox"/> Traffic issues</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	146
	<p><b>Minimum Standards</b> – All applicable Minimum Standards must be addressed.</p>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	147
Chapter 5, VSMH	<p><b>Erosion and sediment control measures</b> – A description of the methods which will be used to control erosion and sedimentation on the site. (Controls should meet the specifications in Chapter 5, VSMH)</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Controls used should be specific to the project</li> <li><input type="checkbox"/> List E&amp;S controls to be used – Reference to VSMH</li> <li><input type="checkbox"/> Provide detail for each control – Reference to VSMH</li> <li><input type="checkbox"/> Include the statement that “the E&amp;S inspector has the authority to add or delete E&amp;S control as necessary in the</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	148

	<p>field as site conditions change. In addition, no sediment basin or trap can be removed without written authorization.”</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Stream Crossing Installation (MS-12 thru 15, C-ENV-03) <ul style="list-style-type: none"> <li>• Type of diversion needs to be provided</li> <li>• How will the work be done in the dry?</li> <li>• What type of crossing will be used?</li> <li>• Removal process? Stabilization?</li> </ul> </li> </ul>					
Chapter 4, VSMH	<p><b>Management Strategies</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Discuss E&amp;S Phase 1 and 2</li> <li><input type="checkbox"/> Perimeter sediment trapping measures to be installed as a first step.</li> <li><input type="checkbox"/> Include the phasing of removal for each sediment basin &amp; sediment trap, until all upslope areas are stabilized. Take into consideration utility installation, roadways, building locations, etc.</li> <li><input type="checkbox"/> Discuss conversion of sediment basins to its permanent storm water facility for both wet and dry ponds.</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	149
MS-3	<p><b>Procedure for Converting Dry Ponds: (MS-3)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Consult with the erosion and sediment control inspector prior to beginning the conversion from sediment basin to dry pond to ensure that the timing is appropriate for the conversion to take place.</li> <li><input type="checkbox"/> Pump down basin – use approved dewatering measures. Effluent must be filtered.</li> <li><input type="checkbox"/> Remove accumulated sediment (as needed) to establish the final grade of the pond.</li> <li><input type="checkbox"/> Sediment must be disposed of in an approved area.</li> <li><input type="checkbox"/> Grade and roughen the bottom of the pond to prepare it for seeding.</li> <li><input type="checkbox"/> Install debris/trash rack device on the low-flow orifice to prevent clogging.</li> <li><input type="checkbox"/> Seed, mulch, and tack jute mesh or other suitable matting to the bottom of the pond.</li> <li><input type="checkbox"/> After the conversion is complete, prepare and submit as-built plans of the pond(s) to the Department of Community Development in conjunction with the bond reduction request.</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	150
MS-3	<p><b>Procedure for Converting Wet Ponds: (MS-3)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Consult with the erosion and sediment control inspector prior to beginning the conversion from sediment basin to wet pond to ensure that the timing is appropriate for the conversion to take place.</li> <li><input type="checkbox"/> Pump down basin – use approved dewatering measures. Effluent must be filtered.</li> <li><input type="checkbox"/> Remove accumulated sediment (as needed) to establish the final grade of the pond.</li> <li><input type="checkbox"/> Sediment must be disposed of in an approved area. Grade and roughen the bank of the pond to prepare it for seeding.</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	151
MS-1 thru 3 & 5 and Chapter 7, VSMH	<p><b>Permanent stabilization</b> – A brief description, including specifications, of how the site will be stabilized after construction is completed:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Specify type of seeding, matting, sod or other types of stabilization that may be used</li> <li><input type="checkbox"/> Include table C-SSM-09-3 (temporary seeding guidelines)</li> <li><input type="checkbox"/> Include table C-SSM-10-7 (permanent seeding guidelines)</li> <li><input type="checkbox"/> Include table C-SSM-11-5 (mulching guidelines)</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	152

CODE SECTION	DESCRIPTION	SHEET	OK	NO	N/A	LINE
MS-19	<p><b>Stormwater runoff considerations</b> – Will the development site cause an increase in peak runoff rates? Will the increase in runoff cause flooding or channel degradation downstream? Describe the strategy to control stormwater runoff (MS-19).</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Minimum Standard 19 has been included where applicable</li> <li><input type="checkbox"/> List what type of permanent stormwater facility that will be installed on the project</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	153
9VAC25-875-560, MS-19, and Chapter 4, VSMH	<p><b>Calculations</b> – Detailed calculations for the design of temporary sediment basins, permanent stormwater detention basins, diversions, channels, etc. Include calculations for pre- and post-development runoff.</p>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	154
9VAC25-875-560	<p><b>Maintenance</b> – A schedule of regular inspections and repair of erosion and sediment control structures should be set forth. Please include maintenance information for each control proposed to be used.</p>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	155
C-SCM-12, MS-6	<p><b>The following information must be submitted when a Temporary Sediment Basin is proposed for a project:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Temporary Sediment Basin Design Data Sheets</li> <li><input type="checkbox"/> Time of Concentration flow path (broken up into sheet, shallow concentrated and channel flow). When a Tc of 5 minutes is used, the flow path is not required.</li> <li><input type="checkbox"/> Stage/storage/elevation information in graph format</li> <li><input type="checkbox"/> When using TR-55, all worksheets must be included in submittal.</li> <li><input type="checkbox"/> When using the Modified Rational method (for drainage areas less than 20 acres) a “C” factor of 0.6 must be used.</li> <li><input type="checkbox"/> A schematic for each sediment basin must be provided showing dimensions and elevations.</li> <li><input type="checkbox"/> Show the length of the flow path from the inflow at the wet pool to the outflow to ensure that the length to width ratio is adequate.</li> <li><input type="checkbox"/> Emergency spillway dimensions and calculations</li> <li><input type="checkbox"/> Provide adequate channel calculations and cross sections</li> <li><input type="checkbox"/> Include this note that a stake or spray paint marker on riser for cleanout elevation will need to be in place for sediment basins &amp; sediment traps</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	156
C-SCM-11, MS-6	<p><b>The following information must be submitted when a Temporary Sediment Trap is proposed for the project.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Embankments height (H), Outlet Height (Ho), and Minimum Top Width (W), Weir Length</li> <li><input type="checkbox"/> One detail for multiple traps is sufficient</li> <li><input type="checkbox"/> Provide dimensions for wet &amp; dry storage</li> <li><input type="checkbox"/> Provide wet &amp; dry storage elevations</li> <li><input type="checkbox"/> Provide cleanout elevation</li> <li><input type="checkbox"/> Include this note that a stake or spray paint marker on riser for cleanout elevation will need to be in place for sediment basins &amp; sediment traps</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	157
C-ECM-13 and C-ECM-15	<p><b>Outlet protection calculations</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Provide tailwater depth</li> <li><input type="checkbox"/> Provide apron length</li> <li><input type="checkbox"/> Provide apron width</li> <li><input type="checkbox"/> Provide bottom grade</li> <li><input type="checkbox"/> Identify type and size of materials used to lined outfall</li> <li><input type="checkbox"/> Provide detail 3.18-1</li> </ul> <p>Note: Permanent outlet protection must be designed using VDOT standards and specifications.</p>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	158

CODE SECTION	DESCRIPTION	SHEET	OK	NO	N/A	LINE
C-ENV-03, MS-12 thru 15	<p><b>The following information must be submitted with a Temporary Stream Crossing</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> If a crossing is to remain in place up to 14 days, it must carry a 2 year storm</li> <li><input type="checkbox"/> If a crossing is to remain in place for 14 days to 1 year, it must be sized to carry a 10 year storm.</li> <li><input type="checkbox"/> A profile of the crossing and all calculations used must be submitted</li> <li><input type="checkbox"/> Drainage area shown</li> <li><input type="checkbox"/> Does pipe diameter provided coincide with drainage area?</li> <li><input type="checkbox"/> Temporary culvert crossing should not exceed 40 ft</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	159
MS-19	<p><b>Provide Minimum Standard 19 adequate channel calculations for the following as applicable:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Diversions</li> <li><input type="checkbox"/> Channels</li> <li><input type="checkbox"/> Sediment basins outfalls</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	160
	<p>_____Coordinate a Pre-Construction Meeting with the Fauquier County E&amp;S inspector after receiving the Land Disturbing Permit. A copy of the Stormwater Pollution Prevention Plan is required to be provided at pre-construction meeting for review.</p>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	161
	<p>_____Variance request- if there are any E&amp;S structural practices proposed that are not included in the VSMH. Submittal of a variance request requires a statement of justification and calculations if applicable for items not per VSMH. (9VAC25-875-170, plan approval authority)</p>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	162
	<p>_____Provide installation instructions for each Best Management Practice.</p>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	163
Chapter 4, VSMH	<p><b>Vicinity map</b> – A small map locating the site in relation to the surrounding area. Include any landmarks which might assist in locating the site.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Directions</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	164
Chapter 4, VSMH	<p><b>Indicate north</b> – The direction of north in relation to the site</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> This is to be shown on each plan sheet, including vicinity map</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	165
Chapter 4, VSMH	<p>The E&amp;S plan should be at a scale of at least 1" = 50'</p>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	166
Chapter 4, VSMH	<p><b>Limits of clearing and grading</b> – Areas which are to be cleared and graded. All areas involved in the construction of the project should be included.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Construction entrances must be included at all access points.</li> <li><input type="checkbox"/> Include ‘staging areas’</li> <li><input type="checkbox"/> Include stockpile / borrow areas</li> <li><input type="checkbox"/> Areas that may have safety fence but will not be disturbed</li> <li><input type="checkbox"/> Phase I E&amp;S controls-give spot elevation to show drainage</li> <li><input type="checkbox"/> Offsite stockpile areas</li> <li><input type="checkbox"/> Trails</li> <li><input type="checkbox"/> Well installation</li> <li><input type="checkbox"/> Storm sewer installation</li> <li><input type="checkbox"/> Waterline installation</li> <li><input type="checkbox"/> Power line installation</li> <li><input type="checkbox"/> Stream crossings</li> <li><input type="checkbox"/> Drainfields</li> <li><input type="checkbox"/> Drip lines for trees to be retained</li> <li><input type="checkbox"/> Identify SWPPP items such as dumpsters, porta-johns, fuel-containment areas, etc.</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	167

CODE SECTION	DESCRIPTION	SHEET	OK	NO	N/A	LINE
Chapter 4, VSMH	<b>Existing contours</b> – The existing contours of the site. <input type="checkbox"/> Does this reflect the actual current condition of the site? <input type="checkbox"/> Show sufficient elevations		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	168
Chapter 4, VSMH	<b>Final contours</b> – Changes to the existing contours, including final drainage patterns.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	169
Chapter 4, VSMH	<b>Existing vegetation</b> – The existing tree lines, grassed areas, or unique vegetation. <input type="checkbox"/> Does this reflect the actual current condition of the site?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	170
Chapter 4, VSMH	<b>Soils</b> – The boundaries of different soil types. <input type="checkbox"/> Show on the E&S Phase 1		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	171
Chapter 4, VSMH	<b>Existing drainage patterns</b> – The dividing lines and the direction of flow for the different drainage areas. Include the size (acreage) of each drainage area. <input type="checkbox"/> Show drainage areas & acreage for pre-development on phase 1 <input type="checkbox"/> Show drainage areas & acreage for post-development on phase 2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	172
Chapter 4, VSMH	<b>Critical erosion areas</b> – Areas with potentially serious erosion problems. (See Chapter 4 for criteria). <input type="checkbox"/> Identify critical areas with * on the Phase 1 & 2 E&S plan.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	173
9VAC25-875-560, Chapter 4, VSMH	<b>Site Development</b> – Show all improvements such as buildings, parking lots, access roads, utility construction, etc. <input type="checkbox"/> Sediment basins & sediment traps need to stay in place until upslope areas are stabilized, take into consideration of utility installation, lots, and buildings <input type="checkbox"/> Roads & lots need to be shown on phase 1 & 2 <input type="checkbox"/> Actual lot numbers & road names need to be shown on phase 2 <input type="checkbox"/> Target areas to be stabilized ASAP <input type="checkbox"/> Consider phasing of a project <input type="checkbox"/> All engineered plans require a phase 1 & 2 E&S plan <input type="checkbox"/> Sanitary sewer, water line and storm sewer must be shown on the Phase 2 E&S plan. <input type="checkbox"/> Structure numbers must also be shown. While these are not required to be shown on the Phase 1 E&S plan, the perimeter E&S controls for Phase 1 must take the construction of these utilities into account. <input type="checkbox"/> Keep all of phase 1 E&S controls on phase 2 E&S plans <input type="checkbox"/> Show stockpiles – with appropriate E&S controls <input type="checkbox"/> Are stockpiles located above sensitive areas? <input type="checkbox"/> Identify areas of permanent seeding with (PS) <input type="checkbox"/> Identify areas of temporary seeding with (TS)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	174
Chapter 4 and 7, VSMH	<b>Location of practices</b> – The location of erosion and sediment controls and stormwater management practices used on the site. Use the standard symbols and abbreviations in Chapter 4 of the Virginia Stormwater Management Handbook. <input type="checkbox"/> Use standard symbols to identify controls <input type="checkbox"/> Provide a legend <input type="checkbox"/> When micaceous soils are found on a site, rock check dams and silt fence should be used in conjunction with sediment traps and sediment basins in those areas.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	175

CODE SECTION	DESCRIPTION	SHEET	OK	NO	N/A	LINE
9VAC25-875-560, Chapter 4 and 6, VSMH	<p><b>Off-site areas</b> – Identify any off-site land-disturbing activities (e.g., borrow sites, waste areas, etc.)</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Does the site balance in regards to the amount of cut and fill required?</li> <li><input type="checkbox"/> Is it on the same property as the project? If so, it needs to be included in the LOC. Show access.</li> <li><input type="checkbox"/> Show offsite stockpile</li> <li><input type="checkbox"/> Show location of erosion controls.</li> <li><input type="checkbox"/> Offsite Soil Tracking Form</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>176</b>
Chapter 4, VSMH	<p><b>Detail drawings</b> – Any structural practices used that are referenced to the VSMH or local handbooks should be explained and illustrated with detail drawings.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Include details of structural practices and reference them to the VSMH.</li> <li><input type="checkbox"/> If any E&amp;S structural practices are proposed that are not included in the VSMH, then a detail and a request for a variance must be submitted to the County (plan approval authority).</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>177</b>
	<p><b>Provide Comment Response letter.</b> Please provide a comment response letter identifying how each comment is addressed with the current plan submission. This will greatly assist in the review of all future plan submissions.</p>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>178</b>

