# Appendix E

## Stormwater Program ESC, SWM, VSMP Construction Permit Requirements Flowchart Instructional and Informational Memoranda

**The following document(s) are included:**

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| 1. | ECS/SWM/VSMP Flow Chart Requirements | |
| 2. | Stormwater Management Erosion and Sediment Control Program - Program Administration and Minimum Requirements for the Development and Implementation of Erosion and Sediment Control and Post Construction Stormwater Management Plans | IIM-LD-11.26 |
| 3. | Riprap - Stone Dimensions; Soil Survey; Construction Procedure | IIM-LD-73.5 |
| 4. | General Notes | IIM-LD-228.1 |
| 5. | Roadside Development - Roadside Development Sheet; Coordination; Computing Quantities/Summarization | IIM-LD-122.13 |
| 6. | Soil Stabilization Mat - Standard EC-3 | IIM-LD-166.4 |
| 7. | Post Development Stormwater Management - Minimum Requirements for the Engineering, Plan Preparation and Implementation of Post Development Stormwater Management Plans | IIM-LD-195.7 |
| 8. | Culvert Design - Countersinking and Low Flow Considerations for Single and Multiple Barrel Culverts | IIM-LD-214.2 |
| 9. | Sinkholes - Guidelines for the Discharge of Stormwater at Sinkholes | IIM-LD-228.1 |
| 10. | Virginia Stormwater Management Program - General Virginia Stormwater Management Program (VSMP) Construction Permit | IIM-LD-242.3 |
| 11. | Stormwater Pollution Prevention Plan - Documents and Components | IIM-LD-246.2 |
| 12. | SWPA 12-01: Application of the Virginia Stormwater Management Program (VSMP) Regulatory requirements for use total post development impervious area of the site to determine water quality requirements | |
| 13. | SWPA 12-02: Elimination of less than one acre of land disturbance per outfall exemption | |
| 14. | SWPA 12-03: VSMP Regulations- Grandfathering | |
| 15. | SWPA 12-04: New stormwater program forms | |
| 16. | Quick Start Guide for VDOT ESC Plan Template for Maintenance Projects | |
| 17. | Software Reference Guide for VDOT ESC Plan Template for Maintenance Activities | |
| 18. | Erosion and Sediment Control Field Guide for Maintenance Activities | |
| 19. | Example result of VDOT ESC Plan Template | |
| 20. | IIM-LD-11.27: Stormwater Management Erosion and Sediment Control Program: Program Administration and Minimum Requirements for the Development and Implementation of Erosion and Sediment Control and Post Construction Stormwater Management Plans | IIM-LD-11.27 |
| 21. | IIM-LD-11.28: Program Administration and Minimum Requirements for the Development and Implementation of Erosion and Sediment Control and Post Construction Stormwater Management Plans | IIM-LD-11.28 |

| 22. | IIM-LD-195.8: Minimum Requirements for Requirements for the Engineering, Plan Preparation and Implementation of Post Development Stormwater Management Plans | IIM-LD-195.8 |
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**The following notes and comments are applicable:**

All HDA's are located in the VDOT Drainage Manual

The information contained in IIM-LD-245 regarding the application of the VDOT Stormwater Management Program components to Rural Rustic Road projects is now contained in the recently published RURAL RUSTIC ROAD PROGRAM MANUAL (pages 7-8 of 23) which can be found at: http://www.virginiadot.org/business/resources/local_assistance/Rural_Rustic_Road_Program_Manual_2011_FINAL.pdf.