



CDOT SWMP Checklist for Design

Project Name: _____

Subaccount No.: _____

Region: _____

County: _____

Project Type: _____

(Design-Bid-Build, Design Build, CM/GC, Property Management, and Other)

If other, describe: _____

SWMP Preparer Name (SWMP Administrator for Design):

SWMP Status at time of Checklist (e.g., FIR, FOR, AD): _____

Date (optional): _____

SWMP Review Date: _____

SWMP Reviewer Name: _____

The CDOT SWMP Checklist was developed for consistency and provides guidance for creating CDOT SWMPs for projects disturbing an acre or more or are part of a larger common plan of development disturbing an acre or more.

The checklist has required components for Design-Bid-Build (DBB) projects for the portion of the SWMP that is submitted as part of the bid package for advertisement (AD). The SWMP elements (tabs) included in the typical bid package include Project Plan Sheets, Site Maps, Standard Specifications and Project Special Provisions, M-Standards, Existing Vegetation Documentation, and Permanent Water Quality Plan Sheets.

SWMP components that are part of bid package are reviewed by a qualified CDOT SWMP Reviewer prior to AD. The remaining elements of the SWMP are added by the Contractor and reviewed by the Region Water Pollution Control Manager (RWPCM) or designee.

Item No.	SWMP Preparer Completed	SWMP Reviewer Completed	Required SWMP Component
SWMP Format			
1	<input type="checkbox"/>	<input type="checkbox"/>	Is the current CDOT SWMP template used?
<i>Notes: CDOT requires the use of the CDOT template to ensure consistent SWMPs that meet all CDOT specifications.</i>			
Comments:			
2	<input type="checkbox"/>	<input type="checkbox"/>	Are the MicroStation files set up with the CDOT border, or local agency border as appropriate? Is the correct nomenclature including all project numbers, information, and other required project information included?
<i>Notes: The CDOT CADD Manual provides standard template for borders and nomenclature for consistency.</i>			
Comments:			
SWMP Plan Sheet Requirements (Site Description)			
3	<input type="checkbox"/>	<input type="checkbox"/>	The Project Site Location and Description describes the location and nature of construction activities planned.
<i>Notes: 208.03(d)1 (1) I and CDOT SWMP Template, Section 1. A. and 1. B. describes the Project Site Location and Project Site Description</i>			
Comments:			
4	<input type="checkbox"/>	<input type="checkbox"/>	The SWMP includes the proposed sequencing for major construction activities.
<i>Notes: CDOT SWMP Template, Section 1. C. describes the major sequencing of construction activities with attention to how the project may impact water quality.</i>			
Comments:			

Item No.	SWMP Preparer Completed	SWMP Reviewer Completed	Required SWMP Component
SWMP Plan Sheet Requirements (Site Description) Cont.			
5	<input type="checkbox"/>	<input type="checkbox"/>	Acres of Disturbance -The SWMP includes estimates of total acreage of the site, acreage anticipated to be disturbed, acreage of seeding, pre-project impervious area (sq.ft), and final impervious area (sq.ft).
	<i>Notes: 107.25(a)1. Locations where any activity has altered the existing soil cover or topography, including vegetative and non-vegetative activities during construction. CDOT SWMP Template Section 1. D.</i>		
	Comments:		
6	<input type="checkbox"/>	<input type="checkbox"/>	The SWMP includes existing soil data and data source.
	<i>Notes: CDOT SWMP Template, Section 1. E. requires at least one of the 12 USDA soil texture classifications and erodibility. Must include the source of the data as a reference.</i>		
	Comments:		
7	<input type="checkbox"/>	<input type="checkbox"/>	Existing vegetation, including percent cover, and transect locations (with preconstruction percent cover at each transect site) is included
	<i>Notes: Section 1. F. of the SWMP template identifies who is responsible for completing the vegetative transect. The SWMP must include the percent cover and pictures of the completed transects. Images shall demonstrate that transect(s) was complete in accordance with CDOT vegetation transect. Photographs should include the following record: project number, project code, name of person who took the picture, date and time stamp, and location with approximate station or mile marker. CDOT Landscape Architecture requirements - A minimum of at least one 50-foot transect of pre-construction and post-construction cover shall be conducted for every 5 acres that is cleared, graded, or excavated. The environmental specialists shall determine the number of transects required for large construction projects (>20 acres). If a reference site is utilized for sites that are disturbed and don't have final stabilization, then its location must be mapped and vegetative cover must be documented.</i>		
	Comments:		

Item No.	SWMP Preparer Completed	SWMP Reviewer Completed	Required SWMP Component
SWMP Plan Sheet Requirements (Site Description) Cont.			
8	<input type="checkbox"/>	<input type="checkbox"/>	Receiving Water - Description of stream crossings, drainage patterns and areas receiving the discharge from the site. Include immediate and ultimate receiving waters.
	<p>Notes: <i>CDOT SWMP Template, Section 1.H needs to include:</i></p> <ol style="list-style-type: none"> 1. Outfall locations: map or table identifying all pipes, ditches, whether the project is in an MS4 and, if in an MS4, the name of the MS4. 2. Names of receiving water(s) on site. 3. Ultimate receiving water for discharges from the project site. 		
	Comments:		
9	<input type="checkbox"/>	<input type="checkbox"/>	Allowable non-stormwater discharges
	<p>Notes: <i>SWMP Template 1 I. the location of any anticipated sources of non-stormwater components of the discharge, such as uncontaminated springs and landscape irrigation return flow. SWMP Administrator for Construction shall provide a method statement of how discharge will be handled. Discharge description, Site Map Reference and Method Statement</i></p>		
	Comments:		
10	<input type="checkbox"/>	<input type="checkbox"/>	Diversion Criteria
	<p>Notes: <i>SWMP Template 1. K. Diversions are an allowable non-stormwater discharge with proper sizing and installation. A method statement from the Contractor is required to use diversions and must adhere to CDPS COR400000, PartI.B.1.a.i.i. Designer may need to supply anticipated flow data.</i></p>		
	Comments:		
11	<input type="checkbox"/>	<input type="checkbox"/>	SWMP Administrator for Design is identified.
	<p>Notes: <i>Section 3A of the SWMP Template. 208.03(c) 1. Requires the SWMP Administration be identified in the CDOT SWMP Template, Section 3. The Qualified Stormwater Managers consist of the SWMP Administrator for Design, SWMP Administrator for Construction, and Permanent Stabilization Subject Expert. Once identified contact information and certification numbers must be included.</i></p>		
	Comments:		

Item No.	SWMP Preparer Completed	SWMP Reviewer Completed	Required SWMP Component
SWMP Plan Sheet Requirements (Interim, Permanent Stabilization and Long-Term Stormwater Management)			
12	<input type="checkbox"/>	<input type="checkbox"/>	Native seed mixes, amounts and seeding methods are provided.
<p>Notes: 207.01 and CDOT SWMP Template Section 9A. Seed mixes, application rates, and seeding methods must be identified.</p>			
<p>Comments:</p>			
13	<input type="checkbox"/>	<input type="checkbox"/>	Topsoil sampling and laboratory testing were completed, and recommendations have been incorporated into the SWMP Plan Sheet soil amendment requirements and quantities and pay items.
<p>Notes: 207. Topsoil sampling should be completed prior to FIR and result incorporated into SWMP Plan sheets Section 9.E and into pay items.</p>			
<p>Comments:</p>			
SWMP Plan Sheet Requirements (Narratives)			
14	<input type="checkbox"/>	<input type="checkbox"/>	Narratives and Control Measure Implementation Phases are identified.
<p>Notes: In Section 11 of the SWMP Template, A narrative for each Control Measure designed into the SWMP is identified in the Control Measure Matrix. Each narrative shall clearly describe the relationship between the phases of construction and the implementation of each additional Control Measure. The narrative shall include what, when, where and why each Control Measure is used. If the SWMP identifies a Non-Standard Control Measure, the SWMP must contain a Non-Standard Control Measure Specification and Narrative. This may be done in the field or prior to construction. The SWMP Administrator for Design should mark an "X" designating which phase the control measure is anticipated to be used in. A "B" in the Initial Activities Column indicates that the control measure shall be installed before construction activity starts. Locations and quantities will be discussed during the Environmental Pre-Construction Conference with the Regional Water Pollution Control Manager. The SWMP Administrator for Construction shall place an "X" in the column In Use On Site when the control measure has been installed.</p>			
<p>Comments:</p>			

Item No.	SWMP Preparer Completed	SWMP Reviewer Completed	Required SWMP Component
SWMP Plan Sheet Requirements (Tabulation of Stormwater Quantities)			
15	<input type="checkbox"/>	<input type="checkbox"/>	The overall project summary of approximate quantities match SWMP Template Tabulation Quantities.
	<p>Notes: SWMP Template Section 12. 109.01. The Tabulation of Quantities will be complete for the SWMP design, including labor hours, equipment horsepower, and pay items. The SWMP shall not include pay items not applicable to the SWMP design. Quantities should include maintenance, a safety factor for unforeseen conditions, and life expectancy. Control measures in the tabulation of quantities should all have associated narratives.</p>		
	Comments:		
16	<input type="checkbox"/>	<input type="checkbox"/>	Tabulation table matches Site Maps, Narratives, and anticipated pay items.
	<p>Notes: SWMP Template Section 12. The control measures indicated on the tabulation should match items on the Site Maps or the control measures anticipated to be utilized by the contractor and described in the narratives in Section 11 of the CDOT SWMP Template.</p>		
	Comments:		
17	<input type="checkbox"/>	<input type="checkbox"/>	Pay items account for the Landscape Establishment Phase (PCEP) option chosen for the project.
	<p>Notes: Design bulletin provides three options for landscape options:</p> <ul style="list-style-type: none"> • Includes Standard Specification 214.04 and construction contractor completes • Prime contractor is released after construction and CDOT maintenance completes and may contract out to a PCEP contractor through a task order. <p>Prime Contractor is released and RE or Construction PE uses a new master agreement to issue a task order to PCEP contractor.</p>		
	Comments:		

Item No.	SWMP Preparer Completed	SWMP Reviewer Completed	Required SWMP Component
SWMP Plan Sheet Requirements (Biologic Impacts and Dewatering)			
18	<input type="checkbox"/>	<input type="checkbox"/>	Environmental Impacts are identified and characterized.
	<i>Notes: SWMP Template Section 13. The SWMP has a completed Wetland Impacts, Stream Impacts, and Threatened and Endangered Species section. The SWMP Reviewer will work with the Region's biologist to ensure that the project has obtained all applicable permits.</i>		
	Comments:		
SWMP Site Map Components			
19	<input type="checkbox"/>	<input type="checkbox"/>	Construction Site Boundary/Limits of Construction (LOC) are identified.
	<i>Notes: 107.25(a)2. The Project Area defined by the Stormwater Construction Permit.</i>		
	Comments:		
20	<input type="checkbox"/>	<input type="checkbox"/>	Flow Arrows (initial, permanent) are included (interim to be added in the field during construction).
	<i>Notes: Are flow arrows inserted in enough quantity that the regulators can tell where on-site, runoff, and runoff water is flowing?</i>		
	Comments:		
21	<input type="checkbox"/>	<input type="checkbox"/>	All areas of disturbance (LDA) including areas of cut and fill are identified.
	<i>Notes: 107.25(a)4. The SWMP Site Map will identify where limits of ground surface disturbance (LDAs).</i>		
	Comments:		

Item No.	SWMP Preparer Completed	SWMP Reviewer Completed	Required SWMP Component
SWMP Site Map Components (Cont.)			
22	<input type="checkbox"/>	<input type="checkbox"/>	Topsoil salvage and stockpile locations are shown (if known).
	Notes: 207.01 This requires salvaging topsoil from onsite locations, stockpiling, maintaining, and preparing the subsoils for the placement of the topsoil at locations shown on the plans. <i>CDOT SWMP Template Section 3.D requires a permanent stabilization subject matter expert to review the topsoil management plan and permanent stabilization maps.</i>		
	Comments:		
23	<input type="checkbox"/>	<input type="checkbox"/>	The locations of all structural control measures are shown (some structural control measure information may need to be added by the Contractor including material management control measures).
	Notes: <i>The SWMP will identify where locations of all structural control measures appear in the plans.</i>		
	Comments:		
24	<input type="checkbox"/>	<input type="checkbox"/>	The locations of all non-structural control measures are shown, as appropriate (areas of temporary and interim stabilization are added in the field by the Contractor).
	Notes: <i>The SWMP Template Section 2 G will identify where locations of all non-structural control measures appear in the plans.</i>		
	Comments:		
25	<input type="checkbox"/>	<input type="checkbox"/>	Identify springs, streams, wetlands and other surface water including locations of all stream crossings and diversions.
	Notes: <i>The SWMP will identify where springs, streams, wetlands, and other surface water(s) appear in the plans. SWMP Template 2 I.</i>		
	Comments:		

Item No.	SWMP Preparer Completed	SWMP Reviewer Completed	Required SWMP Component
SWMP Site Map Components (Cont.)			
26	<input type="checkbox"/>	<input type="checkbox"/>	Temporary control measures to control run-on and run-off are identified, and appropriate and steep slopes have appropriate control measures.
	<i>Notes: Run-on and run-off must be factored into the selection of temporary control measures.</i>		
	Comments:		
27	<input type="checkbox"/>	<input type="checkbox"/>	Protection of trees, shrubs, wetlands, cultural resources, sensitive habitat, and mature vegetation. If feasible, protection of existing vegetation within 50-feet of receiving waters. If not feasible, include a statement of why.
	<i>Notes: The SWMP will identify where trees, shrubs, cultural resources, wetlands, and existing mature vegetation to be protected appear(s) in the plans.</i>		
	Comments:		
28	<input type="checkbox"/>	<input type="checkbox"/>	Permanent Water Quality (PWQ) Control Measures as a Temporary Control Measure during construction are shown, if applicable.
	<i>Notes: Refer to CDOT Permanent Water Quality (PWQ) program documents - https://www.codot.gov/programs/environmental/water-quality/stormwater-programs/pwq-permanent-water-quality</i>		
	Comments:		
29	<input type="checkbox"/>	<input type="checkbox"/>	Seeding methodology and mulch locations are shown on the permanent stabilization map(s).
	<i>Notes: Refer to CDOT Chapter 4 of the ECSWQ Guide</i>		
	Comments:		

Item No.	SWMP Preparer Completed	SWMP Reviewer Completed	Required SWMP Component
Review of Details and Specifications			
30	<input type="checkbox"/>	<input type="checkbox"/>	<p>Current standard plans M-208-1, M-216 and M-615-1 and standard specials are included. Are the M&S Standard Plans marked on page 2 of bid package Plans for AD?</p>
<p><i>Notes: 208.03(d)1(4). Plan Sheets must include Standard Plans M-208-1, M-216-1 and M-615-1. These may be added prior to construction. Standard special provisions should be included in bid package to accurate bidding.</i></p>			
<p>Comments:</p>			
31	<input type="checkbox"/>	<input type="checkbox"/>	<p>Project Special Provisions that modify subsection 107.25 and Sections 207, 208, 212, 213, 214, or 216, are included if modified by SWMP Designer or Design Team.</p>
<p><i>Notes: 208.03(d)1(3). Plan Sheets must include Standard (Standard Special?) and Project Special Provisions related to stormwater and erosion control.</i></p>			
<p>Comments:</p>			
32	<input type="checkbox"/>	<input type="checkbox"/>	<p>Documentation that the Standards and Specifications Unit (SSU) and the MS4 Construction Program Manager (MCPM) reviewed and accepted Project Special Provisions that modify subsection 107.25 and sections 208, 213, and 216 (CDOT's water quality specifications) is included if modifications were developed by the SWMP Design or Design Team.</p>
<p><i>Notes: Refer to CDOT's MS4 Construction Program Manual SOP</i></p>			
<p>Comments:</p>			

ADDITIONAL NOTES/COMMENTS REGARDING SWMP REVIEW

A large, empty rectangular box with a thin black border, intended for providing additional notes or comments regarding the SWMP review. The box is currently blank.