DMB-SESC_PSC

PROFESSIONAL SERVICES CONTRACTOR SOIL EROSION AND SEDIMENTATION CONTROL DESIGN CHECKLIST

DEPARTMENT OF MANAGEMENT AND BUDGET
STATE FACILITIES ADMINISTRATION, DESIGN AND CONSTRUCTION DIVISION
SOIL EROSION AND SEDIMENTATION CONTROL PROGRAM
P.O. Box 30026, Lansing, Michigan 48909

PROJECT TITLE: _____

PROJECT LOCATION: _____

PROJECT FILE NUMBER: _____ **INDEX NUMBER:** _____

Y	N*	
☐	☐	Will this project include disturbing earth? Estimate the areas (in acres) of disturbed earth _____ acres. **If earth change disturbs one or more acre, please complete the remainder of this form.**

Y	N	
☐	☐	Will this project disturb 5 or more acres? **If earth change disturbs 5 or more acres, a storm water permit is required.**

Y	N	
☐	☐	Is this project within 500 feet of a lake, stream or wetland? **If within 500 feet, please complete the remainder of this form.**

Y	N	**Does the SESC plan identify:**
☐	☐	a. Project location - include a legal description of the property
☐	☐	b. Distance to lakes , streams & wetlands
☐	☐	c. Soil type
☐	☐	d. Existing & final contours
☐	☐	e. Existing, construction & final drainage patterns (including dewatering facilities)
☐	☐	f. Limits of proposed earth change
☐	☐	g. Site boundaries / property lines
☐	☐	h. Schedule/ phasing of construction and installation of SESC control measures
☐	☐	i. Location of temporary (during construction) SESC control measures
☐	☐	j. Location of permanent (post construction) SESC control measures
☐	☐	k. Provisions for maintenance of temporary controls
☐	☐	l. A manual for owner maintenance of the permanent controls

* - Soil erosion and sedimentation control measures may still be required even if the area of earth disturbance is less than one acre. Incorporate the components of the plan required to ensure that no sediment leaves the project site.

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Y	N	
☐	☐	m. Details for installing and removing SESC control measures

Y	N	**Does the project specification include:**
☐	☐	a. Detail SESC requirements (Reference to Part 91 without detail is not acceptable)
☐	☐	b. Require the contractor to perpare and submit a construction sequence and SESC plan **before construction begins**
☐	☐	c. Line item on bid form for: a) construction sequencing, b) installation, maintenance and removal of temporary SESC control measures and c) installation and maintenance of permanent SESC control measures.
☐	☐	d. Constructing and maintaining temporary and permanent SESC measures
☐	☐	e. Language addressing $500 per day fines and assessment of actual damage costs

Y	N	**Do the plans consider:**
☐	☐	a. Protection of the construction boundary perimeter
☐	☐	b. Protection of exposed soil and stockpiles from wind and water erosion
☐	☐	c. Protection of wetlands, streams and lakes
☐	☐	d. Inlet protection of storm water systems
☐	☐	e. Protection of exposed slopes from wind and water erosion
☐	☐	f. Vehicular tracking of soil off-site and street sweeping

Y	N	**Do the plans follow the seven basic principles of SESC?**
☐	☐	a. Design and construct terrain features such as slopes and drainage ways to minimize the erosion potential of the exposed site based on the soil type, time of year, proximity to waterways, duration of exposure and the anticipated volume and intensity of runoff.
☐	☐	b. Minimize the surface area of unstabilized soils left unprotected and vulnerable to runoff and wind erosion.
☐	☐	c. Minimize the time that unstabilized soil areas are exposed to erosive forces (wind and rain).

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Y	N	
☐	☐	d. Protect and shield exposed soil areas with a cover of live vegetation, mulch, or other approved erosion resistant materials during the temporary and permanent control periods of construction.
☐	☐	e. Avoid concentrated runoff, or when unavoidable, control runoff velocities to non-erosive levels.
☐	☐	f. Eroded sediments will be trapped on-site with temporary and permanent barriers, basins or other sedimentation retention devices while allowing for the controlled discharge of runoff water at non-erosive velocities.
☐	☐	g. Implement continuous inspection and maintenance programs.

Y	N	**When site exceeds 5 acres provide Storm Water Run-off information.**
☐	☐	a. Do the plans provide information regarding run-off volume, run-off velocities and peak discharges.
☐	☐	b. Calculations are based on the ☐ 10, ☐ 25, or ☐ 100 year storm event.
☐	☐	c. Identify method of calculating run- off volume, run-off velocity and peak discharge.