

PROFESSIONAL SERVICES CONTRACTOR SOIL EROSION AND SEDIMENTATION CONTROL DESIGN CHECKLIST

DEPARTMENT OF MANAGEMENT AND BUDGET
FACILITIES ADMINISTRATION, DESIGN AND CONSTRUCTION DIVISION
SOIL EROSION AND SEDIMENTATION CONTROL PROGRAM
First Floor, Stevens T. Mason Building
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

Y	N	Page/Sheet	Does the SESC plan identify:
<input type="checkbox"/>	<input type="checkbox"/>	_____	a. Project location - include a legal description of the property
<input type="checkbox"/>	<input type="checkbox"/>	_____	b. Distance to lakes , streams & wetlands
<input type="checkbox"/>	<input type="checkbox"/>	_____	c. Soil type
<input type="checkbox"/>	<input type="checkbox"/>	_____	d. Existing & final contours
<input type="checkbox"/>	<input type="checkbox"/>	_____	e. Existing, construction & final drainage patterns (including dewatering facilities)
<input type="checkbox"/>	<input type="checkbox"/>	_____	f. Limits of proposed earth change
<input type="checkbox"/>	<input type="checkbox"/>	_____	g. Site boundaries / property lines
<input type="checkbox"/>	<input type="checkbox"/>	_____	h. Schedule/ phasing of construction and installation of SESC control measures
<input type="checkbox"/>	<input type="checkbox"/>	_____	i. Location of temporary (during construction) SESC control measures
<input type="checkbox"/>	<input type="checkbox"/>	_____	j. Location of permanent (post construction) SESC control measures
<input type="checkbox"/>	<input type="checkbox"/>	_____	k. Provisions for maintenance of temporary controls
<input type="checkbox"/>	<input type="checkbox"/>	_____	l. Instruction for owner on maintenance of the permanent controls
<input type="checkbox"/>	<input type="checkbox"/>	_____	m. Details for installing and removing SESC control measures

* - 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	Page/Sheet	Does the project specification include:
<input type="checkbox"/>	<input type="checkbox"/>	_____	n. Detail SESC requirements (Reference to Part 91 without detail is not acceptable)
<input type="checkbox"/>	<input type="checkbox"/>	_____	o. Require the contractor to prepare and submit a construction sequence and SESC plan <u>before construction begins</u>
<input type="checkbox"/>	<input type="checkbox"/>	_____	p. 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.
<input type="checkbox"/>	<input type="checkbox"/>	_____	q. Constructing and maintaining temporary and permanent SESC measures
<input type="checkbox"/>	<input type="checkbox"/>	_____	r. Language addressing \$500 per day fines and assessment of actual damage costs
Y	N	Page/Sheet	Do the plans consider:
<input type="checkbox"/>	<input type="checkbox"/>	_____	s. Protection of the construction boundary perimeter
<input type="checkbox"/>	<input type="checkbox"/>	_____	t. Protection of exposed soil and stockpiles from wind and water erosion
<input type="checkbox"/>	<input type="checkbox"/>	_____	u. Protection of wetlands, streams and lakes
<input type="checkbox"/>	<input type="checkbox"/>	_____	v. Inlet protection of storm water systems
<input type="checkbox"/>	<input type="checkbox"/>	_____	w. Protection of exposed slopes from wind and water erosion
<input type="checkbox"/>	<input type="checkbox"/>	_____	x. Vehicular tracking of soil off-site and street sweeping
Y	N	Page/sheet	Do the plans follow the seven basic principles of SESC?
<input type="checkbox"/>	<input type="checkbox"/>	_____	y. 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.
<input type="checkbox"/>	<input type="checkbox"/>	_____	z. Minimize the surface area of unstabilized soils left unprotected and vulnerable to runoff and wind erosion.
<input type="checkbox"/>	<input type="checkbox"/>	_____	aa. Minimize the time that unstabilized soil areas are exposed to erosive forces (wind and rain).

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Y	N	Page/Sheet	
<input type="checkbox"/>	<input type="checkbox"/>	_____	bb. 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.
<input type="checkbox"/>	<input type="checkbox"/>	_____	cc. Avoid concentrated runoff, or when unavoidable, control runoff velocities to non-erosive levels.
<input type="checkbox"/>	<input type="checkbox"/>	_____	dd. 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.
<input type="checkbox"/>	<input type="checkbox"/>	_____	ee. Implement continuous inspection and maintenance programs.

Y	N	Page/Sheet	When site exceeds 5 acres provide Storm Water Run-off information.
<input type="checkbox"/>	<input type="checkbox"/>	_____	ff. Do the plans provide information regarding run-off volume, run-off velocities and peak discharges.
<input type="checkbox"/>	<input type="checkbox"/>	_____	gg. Calculations are based on the <input type="checkbox"/> 10, <input type="checkbox"/> 25, or <input type="checkbox"/> 100 year storm event.
<input type="checkbox"/>	<input type="checkbox"/>	_____	hh. Identify method of calculating run- off volume, run-off velocity and peak discharge.