

Developing a SESC Plan

After conducting the on-site field investigation and reviewing all possible information sources, it is time to develop the SESC plan. Rule 1703 promulgated under Part 91 serves as our guide to develop an effective SESC plan.

1. Site location map, legal description of property, and scaled map showing property boundaries (Figure 4-8).

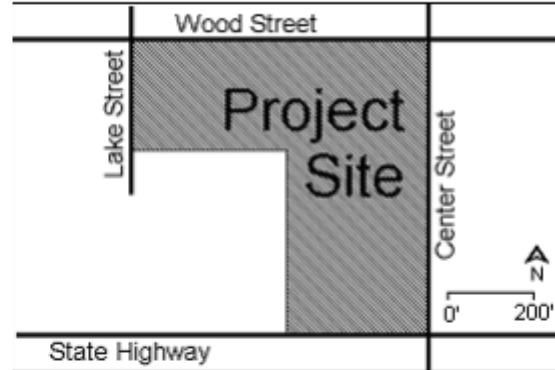


Figure 4-8: Location Map

2. The proximity of the earth change to lakes, streams, wetlands and other predominant land features (Figure 4-9).

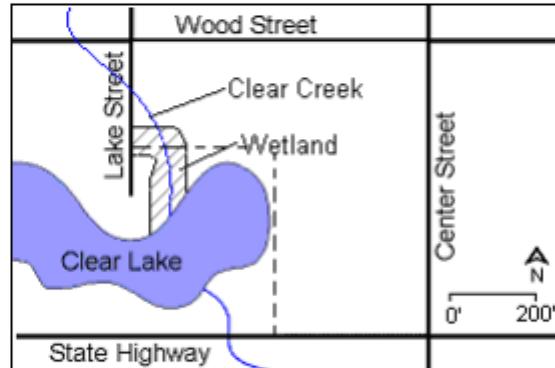


Figure 4-9

3. Description of on-site soils (Figure 4-10).



Figure 4-10

4. Existing and proposed elevations or slope description (Figures 4-11A and 4-11B).

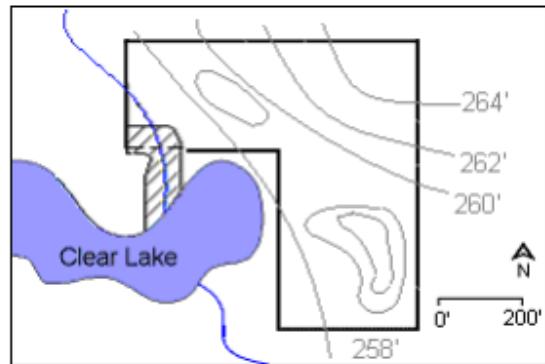
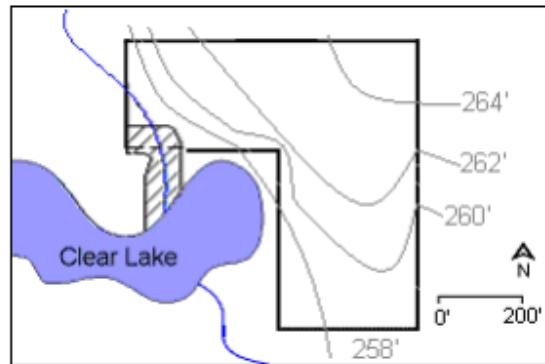


Figure 4-11A (existing)



Figures 4-11B (proposed)

5. Physical limits of the earth
change (Figure 4-12).

6. A description of existing and proposed drainage and dewatering facilities.

7. Timing and sequencing of earth change activities and implementation of SESC measures. (Figure 4-13; also see Appendix 4A or 4B.)

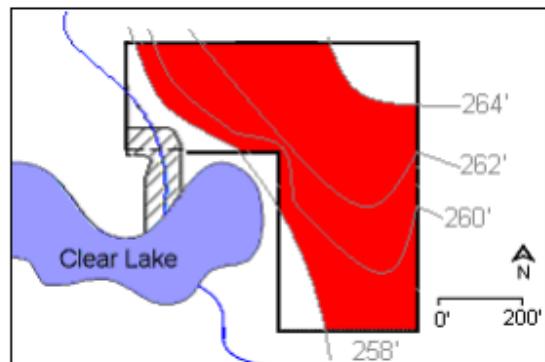


Figure 5-12

The Gantt chart illustrates the timeline for construction and SESC measure implementation. The tasks are listed on the y-axis, and the x-axis represents time from June to October. The chart shows the start and end dates for each task, with some tasks having overlapping timelines.

Activity	June	July	August	Sept.	October
Install Temporary SESC Measures					
Silt Fence	Start				
Inlet Protection	Start				
Rock Construction Exit	Start				
Maintain SESC Measures			Start	End	Start
Strip and Stockpile Topsoil		Start			
Rough Grade		Start	Start		
Put in Utilities			Start		
Final Grade				Start	
Spread Topsoil				Start	
Seed and Mulch				Start	
Remove Temporary SESC Measures					Start

Figure 5-13

8. Description and location of all proposed temporary (Figure 4-14) and permanent SESC control measures.

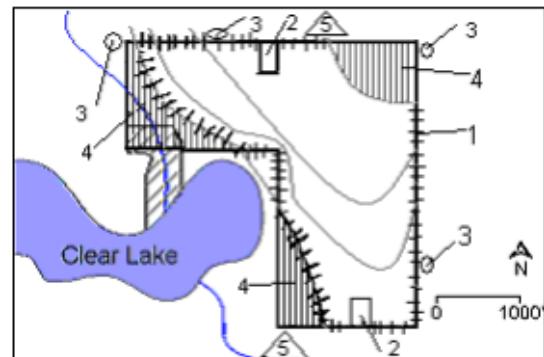


Figure 4-14

9. Proposal for continued maintenance of all permanent SESC measures.

SESC KEY		
Number	Control	Symbol
1	Silt Fence	
2	Rock Construction Exit	□
3	Inlet Protection	○
4	Retain Existing Vegetation	
5	Daily Street Sweeping	△

(Key for Figure 4-14)

The location of all control measures should be identified on the SESC plan. If the material list specifies 200 feet of silt fence, the placement of the silt fence should be delineated on the plans. Similarly, if check dams are required in a roadside ditch, the relative locations of those check dams should be identified on the plan. Each control measure should be labeled on the plan, i.e., silt fence, check dam, etc. or identified by a symbol or code number such as found in the MDMB's "SESC Keying System" (Figure 4-15) or the MDOT's "Applicable SESC Measures" (Figure 4-16). Both documents assign a number and symbol to each SESC measure. The SESC plan must indicate which of the keying systems is being used.

Department of Management and Budget		
S51	SILT FENCE	
S52	CATCH BASIN SEDIMENT GUARD	
S53	STABILIZED CONSTRUCTION ACCESS	

Figure 4-15

Department of Transportation		
36	CONSTRUCTION DAM	
37	CHECK DAM	

Figure 4-16

Another option is for the plan developer to create his or her own legend, such as the one depicted in Figure 4-14 above, using symbols or numbers to depict various control measures. If this option is used, the plan developer must also include details on how to install or maintain the specified SESC measures (Figure 4-17). If the the MDTMB or MDOT manuals are used, installation details are provided for each of the suggested control measures.

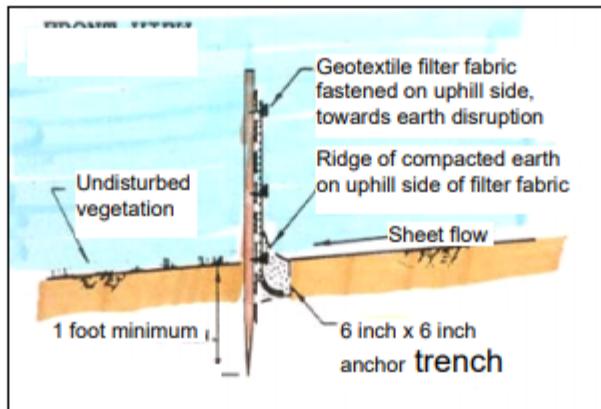
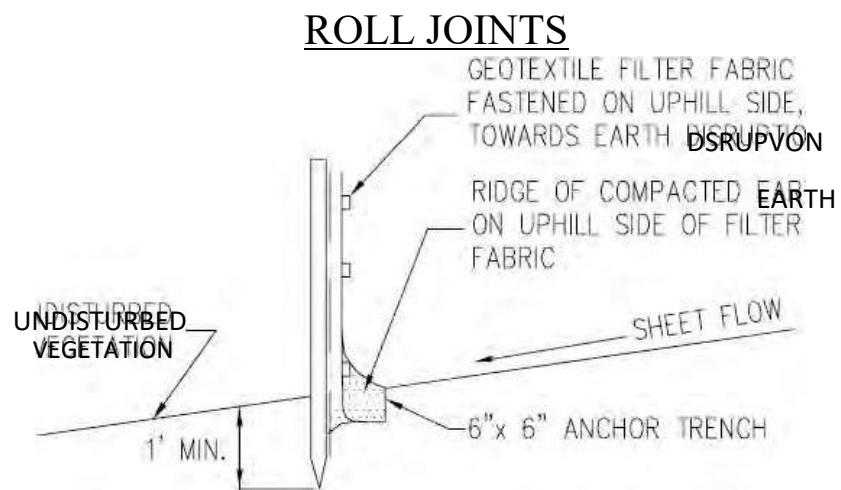
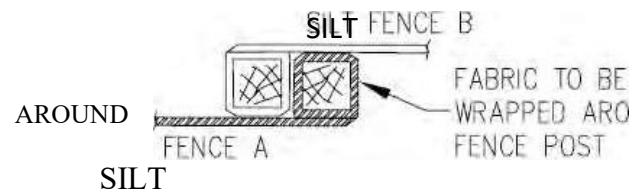
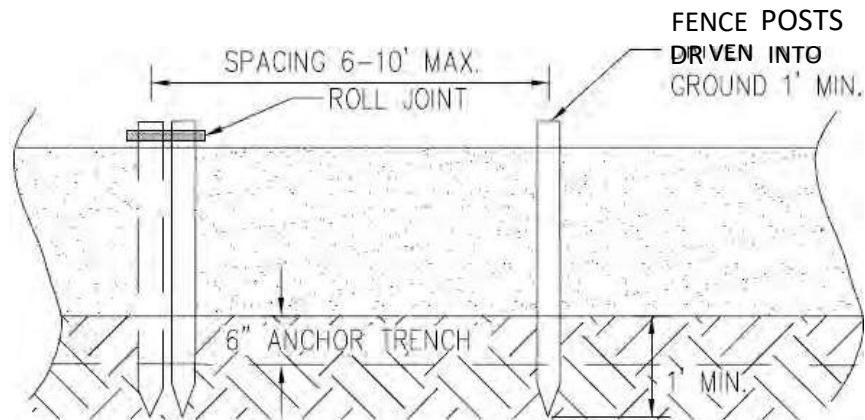


Figure 4-17



Source: State of Michigan, Department Of Management and Budget, SESC Guidebook