

Alcona County Building Department

216 W. Main St.

Harrisville, MI 48740

989-724-9440 fax 989-724-9449

2017

OFFICE USE ONLY

Permit Number
Date Issued
Expiration Date
File Number

PERMIT APPLICATION

for Part 91

**SOIL EROSION AND
SEDIMENTATION CONTROL**

\$185.00

EMAIL ADDRESS: _____

1. APPLICANT (Please check if applicant is the landowner or designated agent*)

Name		Landowner	Designated Agent
Address			
City	State	Zip Code	Area Code/Telephone Number

2. LOCATION

Section	Town	Range	Township	City/Village	County
Subdivision	Lot No.	Tax ID Number	Street Address:		
			Cross Streets:		

3. PROPOSED EARTH CHANGE

Project Type: Residential Industrial Multi-family Land Balancing Commercial

Describe Project:	Size of Earth Change (acres or square feet)
Name of and Distance to Nearest Lake, Stream, or Drain	Date Project to Start
	Date Project to be Completed

4. SOIL EROSION AND SEDIMENTATION CONTROL PLAN (Refer to Rule 323.1703)

Note: 1 complete sets of plans must be attached.	Estimated Cost of Erosion and Sediment Control
	Plan Preparer's Name and Telephone Number Area Code ()

5. PARTIES RESPONSIBLE FOR EARTH CHANGE

Name of Landowner (if not provided in Box No. 1 above)		Address	
City	State	Zip	Area Code/Telephone Number
Name of Individual "On Site" Responsible for Earth Change		Company Name	
Address	City	State	Zip Code
			Area Code/Telephone Number

6. PERFORMANCE DEPOSIT (If required by the permitting agency)

Amount Required \$	Cash	Certified Check	Irrevocable Letter of Credit	Surety Bond
Name of Surety Company				
Address	City	State	Zip Code	Area Code/Telephone Number

I (we) affirm that the above information is accurate and that I (we) will conduct the above described earth change in accordance with Part 91, Soil Erosion and Sedimentation Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, applicable local ordinances, and the documents accompanying this application.

Landowner's Signature	Print Name	Date
Designated Agent's Signature*	Print Name	Date

* Designated agent must have a written statement from landowner authorizing him/her to secure a permit in the landowner's name.

Check List for Soil Erosion Control Permit Application

***SOIL EROSION AND SEDIMENTATION
CONTROL PLAN***

1. Scaled drawing.
2. Legal description.
3. Site location sketch.
4. Distance to lake, stream, wetland, etc.
5. Predominant land features.
6. Contour interval or slope description.
7. Description of soil types.
8. Description and limits of earth changes.
9. Drainage facilities.
10. Timing and sequence of earth change.
11. Description and location of control measures.
12. Maintenance plan.

APPROXIMATE PROJECT TIMING (Month/Year)

MINOR PROJECTS

___/___ Temporary Erosion Control Measures installed

___/___ Gravel Drive/Entrance Installed

___/___ Land Cleared or Excavation Started

___/___ Final Grade / Seeding

___/___ Permanent Erosion Measures in Place

___/___ Temporary Erosion Measures Removed

MAJOR PROJECTS

___/___ Temporary Erosion Control Measures installed

___/___ Gravel Drive/Entrance Installed

___/___ Land Cleared or Excavation Started

___/___ Detention/Retention /Sediment Ponds Installed

___/___ Road Construction

___/___ Utilities Installed

___/___ Final Grade / Seeding

___/___ Catch Basins/Ponds Cleaned

___/___ Permanent Erosion Measures in Place

___/___ Temporary Erosion Measures Removed

Sample Site Plan) Lake or Stream _____

LEGEND

INDICATES DIRECTION OF DRAINAGE



INDICATES LOCATIONS OF EARTH CHANGE



SILT FENCE WHERE REQUIRED

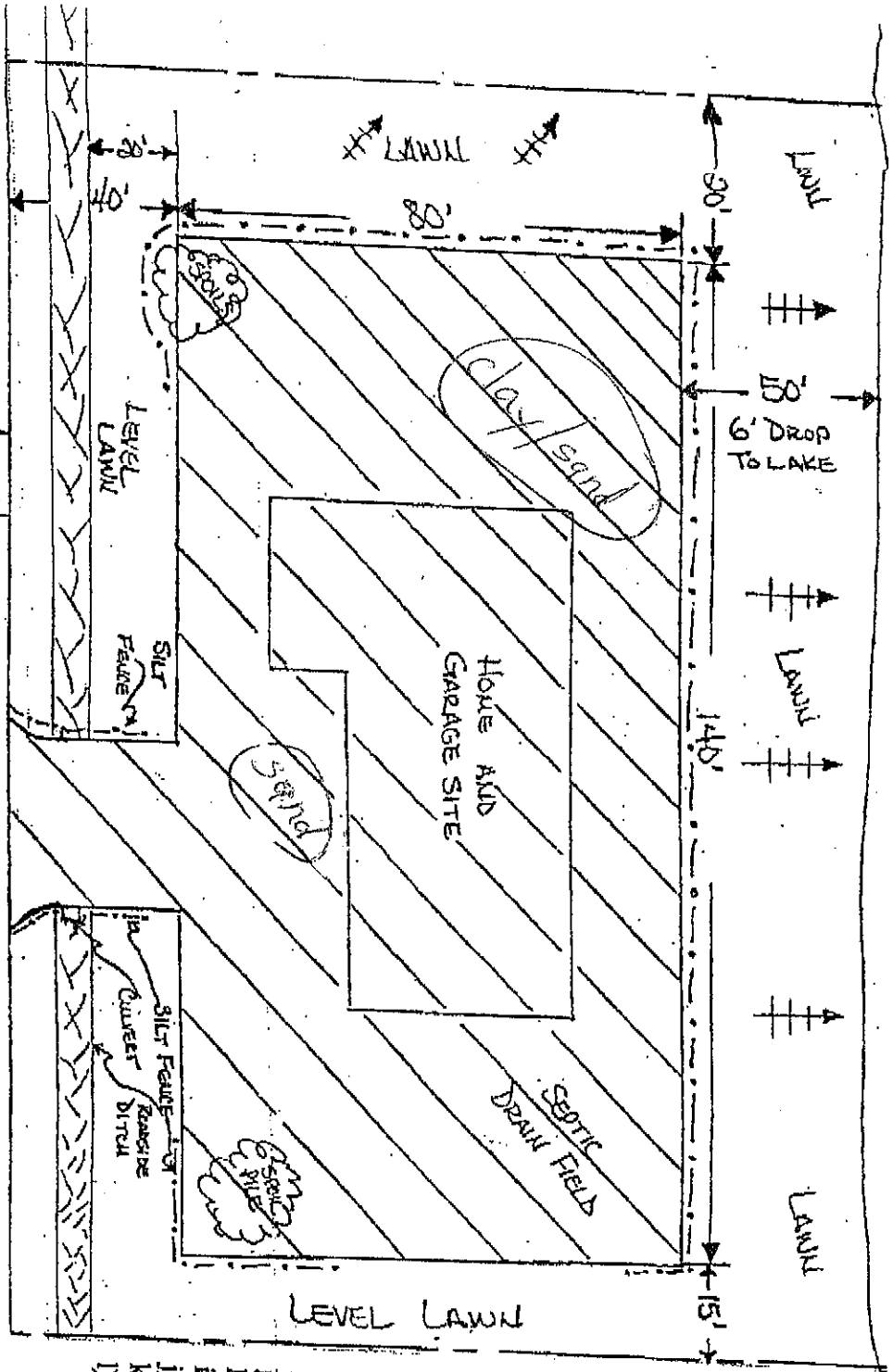


INFORMATION

- a) Scaled Map
- b) Site location sketch
- c) Proximity to lake/stream
- d) Limits of earth change
- e) Predominant land features
- f) Slope information
- g) Soils information
- h) Drainage facilities
- i) Timing and sequence
- j) Temporary SESC measures
- k) Permanent SESC measures
- l) Maintenance program for SESC measures

Start _____

Finish _____



STREET



Michigan Department of Environmental Quality
Land and Water Management Division

**Regulated Activities Under the
Natural Resources and Environmental Protection Act, 1994 PA 451, as Amended**

- 1a. Does your project or activity involve an *earth change* that disturbs one or more acres of land or is located within 500 feet of a *lake or stream*? If yes, a Part 91 permit must be obtained from the county or local governmental agency. **Note:** Some counties and local agencies may require permits for other earth changes in addition to those described above; please check with them prior to undertaking any earth change. A list of Part 91 permitting agencies is available at www.deq.state.mi.us/lwm/ under the Water Management Section, Soil Erosion and Sedimentation Control Program.

Earth change means a human-made change in the natural cover or topography of land, including cut and fill activities, which may result in or contribute to soil erosion and sedimentation of the waters of the state. Earth change does not include the practice of plowing and tilling soil for the purpose of crop production.

Lake means "the Great Lakes and all natural and artificial inland lakes or impoundments that have definite banks, a bed, visible evidence of a continued occurrence of water, and a water surface area equal to, or greater than, one acre."

Stream means "a river, creek, or other surface water course which may or may not be serving as a drain, as defined in the drain code, and which has definite banks, a bed, and visible evidence of the continued flow or continued occurrence of water, including the connecting waters of the Great Lakes."

- 1b. Does your project or activity involve an earth change that is under the jurisdiction (crosses the boundaries) of two or more county and/or local Part 91 agencies described in 1a? (Part 91) No Yes

If your project or activity disturbs five or more acres, a stormwater permit is required from the Surface Water Quality Division (SWQD), Michigan Department of Environmental Quality (MDEQ). Please call 517-241-8993 for further information.

2. Is your project or activity in or near an *Inland lake or stream*? (Parts 31 and 301) No Yes

Inland lake or stream means "a natural or artificial lake, pond, or impoundment; a river, stream, or creek which may or may not be serving as a county drain as defined by the drain code; or any other body of water that has definite banks, a bed, and visible evidence of a continued flow or continued occurrence of water" "Inland lake or stream does not include . . . a lake or pond that has a surface area of less than 5 acres."

3. Does your project or activity impact a *wetland*? (Part 303) No Yes

Wetland means "land characterized by the presence of water at a frequency and duration sufficient to support, and that under normal circumstances does support, wetland vegetation or aquatic life, and is commonly referred to as a bog, swamp, marsh"

If work in wetlands cannot be avoided, a permit from the MDEQ may be required; and wetland mitigation to compensate for the loss of the wetland and its functions may also be required. For questions regarding regulated wetlands, please contact your local LWMD Field Office or the Inland Lakes and Wetlands Unit at 517-373-1746.

The MDEQ's Wetland Assessment Program assists property owners in identifying wetlands on their property. For more information on the Wetland Assessment Program call 517-241-8485.

4. Is your project or activity in or adjacent to the *Great Lakes*? (Parts 323, 325, and 353) No Yes

5. Does your project or activity involve constructing, maintaining, or altering a *dam*? (Part 315).. No Yes

Dam means "an artificial barrier, including dikes, embankments, and appurtenant works, that impounds, diverts, or is designed to impound or divert water or a combination of water or any other liquid or material in the water."

Effective Immediately, the State requires each Authorized Agent applying for a Soil Erosion Permit on behalf of another person to include a Statement authorizing, him / her to secure a permit. Please have the Landowner complete this Letter of Authorization to be submitted with the Application Form.

LETTER OF AUTHORIZATION

_____ is Authorized to secure a Soil

(name of Designated Agent)

Erosion Permit in my name for a project requiring said permit at :

(address of Project Location)

(additional information)

(Print Name of Landowner)

(Signature of Landowner)

(Date)

Construction Guidelines

Construction guidelines in consecutive order are:

1. Dig a six-inch trench at equal elevation (parallel to contour lines) at the downslope edge of earth disturbance (avoid placement on steep slopes);
2. Unroll and extend silt fence along trench line. Orient fence such that the posts are down slope of the fabric and lath (i.e. storm water will push the lath and fabric against the post);
3. Turn end post 360 degrees so that fabric surrounds the post;
4. Pound end post into the ground at the downslope edge of the trench until the top of the six-inch bury flap is at ground elevation;
5. Continue to pound in posts consecutively starting with post adjacent to the end already installed. Assure fabric is as taught as possible;
6. Join consecutive rolls by rolling end posts similar to item 3 above. Cross over the end posts or place them side by side and roll them (180 or 360 degrees). Drive the end posts together;
7. Backfill the trench and compact. If possible, leave a compacted ridge of soil along the upslope edge of the fabric.

Acceptable alternate construction methods include:

1. In situations where the bury flap cannot be trenched in, backfill and compact over the bury flap. Note that this method is less effective and more prone to failure;
2. In some cases, it may be advantageous to construct silt fence in the field; i.e. fabric, posts, and lath come separate and must be put together. The same construction guidelines apply;
3. Silt fence installation machines may make the process of installing silt fence easier. The machines "slice" the fabric into the ground, then posts and lath are manually installed.

Monitoring

Silt Fence should be inspected at least weekly, immediately before a forecasted runoff event, and after each runoff event from rain or snowmelt. Look for fabric tears, post failure, undermining, sediment build up, overtopping, side cutting around the silt fence, and areas damaged by construction activities.

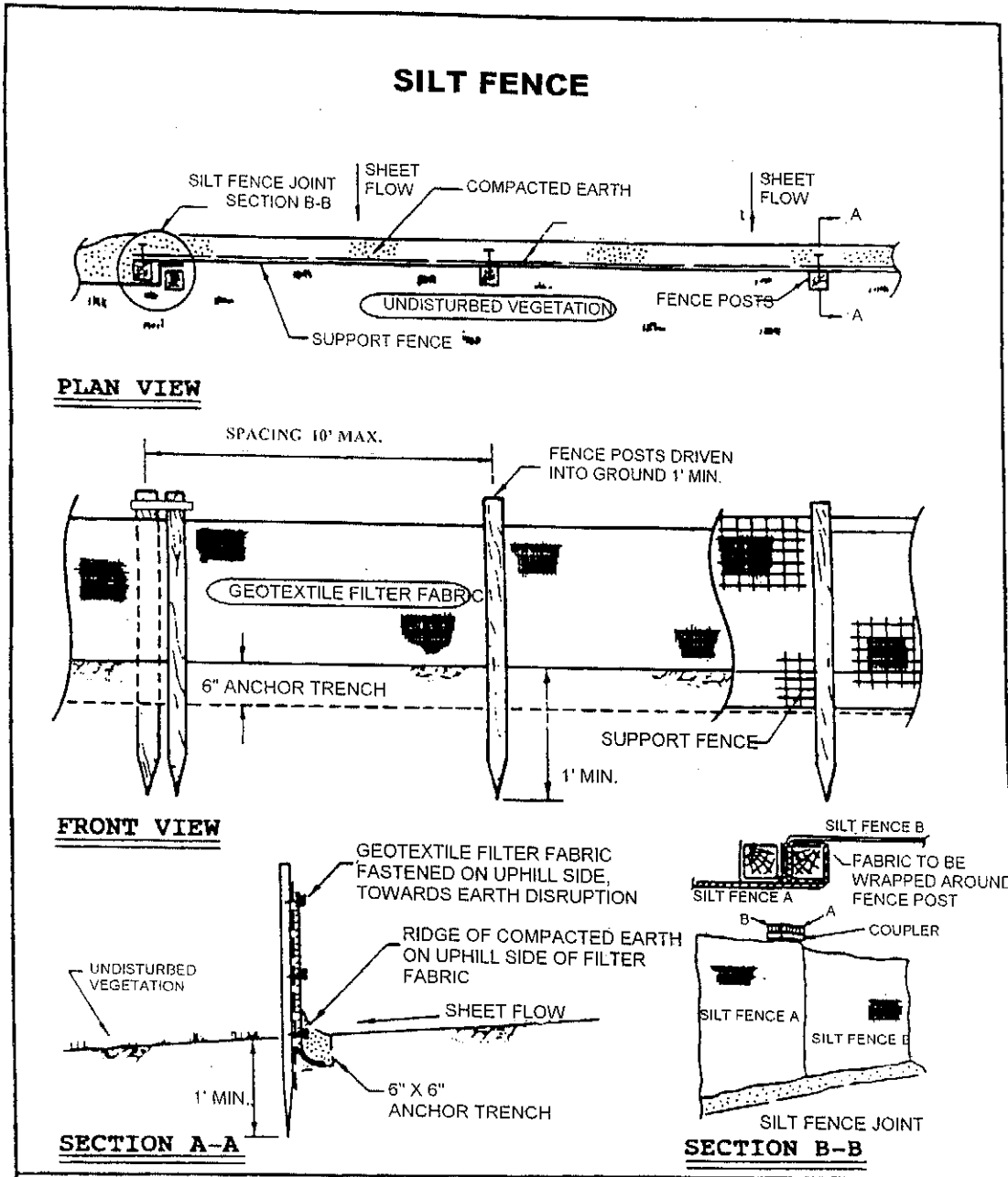
Maintenance

- Fabric tears, post failures, vehicle damage, and/or undermining should be repaired immediately;
- Sediment build up should be removed when it reaches 1/3 to 1/2 the height of the silt fence above ground elevation;
- Overtopping and side cutting are signs that the silt fence is either not appropriately placed or that additional measures are necessary due to site runoff conditions;
- **Remove the silt fence after the site has been stabilized with permanent soil erosion/sedimentation control (SESC) measures.**

References

- Michigan Department of Transportation. 2003. Standard Specifications for Construction.
- Oakland County, Michigan Water Resources Commissioner. Individual Soil Erosion and Sedimentation Details, SP-2-Silt Fence.

Exhibit 1: Silt fence construction and installation diagram



Source: Adapted from Oakland County (Michigan) Erosion Control Manual