

PERMIT APPLICATION for Part 91 SOIL EROSION AND SEDIMENTATION CONTROL

OFFICE USE ONLY

CRAWFORD COUNTY BUILDING & ZONING DEPT.
 200 W. Michigan Ave., Grayling, MI 49738 - (989) 344-3233

Permit Number
Date Issued
Expiration Date
File Number

COST: \$125.00 Residential / \$175.00 Commercial

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		

3. PROPOSED EARTH CHANGE

Project Type	-Residential -Industrial	-Multi-family Land Balancing	-Commercial
--------------	-----------------------------	---------------------------------	-------------

Describe Project	Size of Earth Change	
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: ___ complete sets of plans must be attached	Estimated Cost of Erosion and Sediment Control
	Plan Preparer's Name and Telephone Number

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	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	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 Resource 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 landown

Permit Conditions:

1. The permitted activity shall be completed in accordance with the approved plans and specifications, and the **attached** general and specific conditions.
2. This permit does not waive the necessity for obtaining all other required federal, state, or local permits.
3. Permittee shall notify the permitting agency within one week after completing the permitted activity or one week prior to the permit expiration date, whichever comes first.

GENERAL CONDITIONS

In accordance with Rule 1709 promulgated under the authority of Part 91, Soil Erosion and Sedimentation Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, and in addition to the information on the attached plan(s) and special conditions, the following general conditions apply to the earth change authorized by this permit:

- Design, construct, and complete the earth change in a manner that limits the exposed area of disturbed land for the shortest period of time.
- Remove sediment caused by accelerated soil erosion from runoff water before it leaves the site of the earth change.
- Temporary or permanent control measures shall be designed and installed to convey water around, through, or from the earth change at a non-erosive velocity.
- Install temporary soil erosion and sedimentation control measures before or upon commencement of the earth change activity and maintain the measures on a daily basis. Remove temporary soil erosion and sedimentation control measures after permanent soil erosion measures are in place and the area is stabilized. ("Stabilized" means the establishment of vegetation or the proper placement, grading, or covering of soil to ensure its resistance to soil erosion, sliding, or other earth movement.)
- Complete permanent soil erosion control measures for the earth change within five calendar days after final grading or upon completion of the final earth change. If it is not possible to permanently stabilize the earth change, then maintain temporary soil erosion and sedimentation control measures until permanent soil erosion control measures are in place and the area is stabilized.

PROJECT SITE LOCATION DIRECTIONS

Please submit this information to assist staff in locating your project site. This will avoid delays in processing your inspections because staff cannot locate your project site. This page is in addition to the site location map.

1. LEGAL DESCRIPTION

Town	Range	Section	Township	Property Code Number
Legal Description				

2. ADDRESS INFORMATION

Property Address							
Where is address visible?	House	Garage	Mailbox	Sign			
Name of Access Road to Project:							
Road Type:	Paved	Gravel	Public	Private	Seasonal		
Name of Nearest Crossroad:							
Distance to this Road (in Miles and Tenths):							

3. PHYSICAL DESCRIPTION

Is there a house or other building at the site visible from the road?				Yes	No
What color is this house or building?					
What style of building is visible from the road?			Ranch	Gambrel	Cape Cod
Chalet	Colonial	Garage	Pole Barn	Other	
Are all of the corner stakes marked?			Yes	No	
If vacant, what is the closest visible address to property?					
If helpful, describe the best and nearest visible landmark to the project site					

Property Owner Signature: _____
 Mailing Address: _____
 Telephone Number: _____

Contractor's Signature: _____
 Mailing Address: _____
 Telephone Number: _____

Please add driving directions and/or legible map to the back of this sheet

Crawford County Building & Zoning Dept., 200 W. Michigan Ave., Grayling, MI 49738 - (989) 344-3233

SOIL EROSION AND SEDIMENTATION CONTROL PLAN

INFORMATION REQUIRED:

PERMIT # _____

- | | |
|---------------------------------------|--|
| 1. Scaled map | 7. Soils information |
| 2. Site location sketch | 8. Drainage facilities |
| 3. Proximity to lake or stream | 9. Timing and sequence |
| 4. Limits of earth change | 10. Temporary SESC measures |
| 5. Predominant land features | 11. Permanent SESC measures |
| 6. Slope information | 12. Maintenance program for SESC measures |
-
-
-

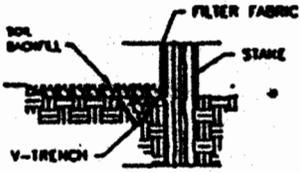
Signature _____ **Date** _____

Commonly Used Erosion Controls

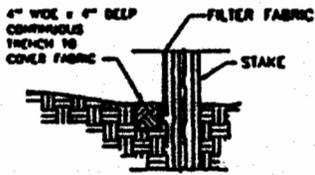
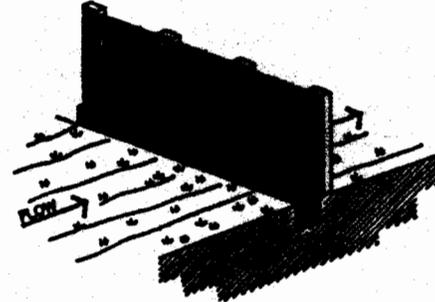
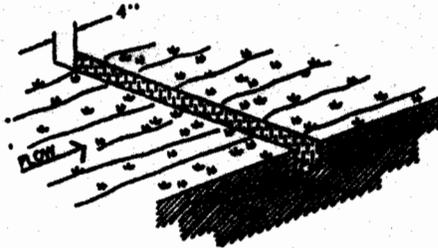
SILT FENCES

HOW TO INSTALL A SILT FENCE

TWO TYPES OF TRENCHES



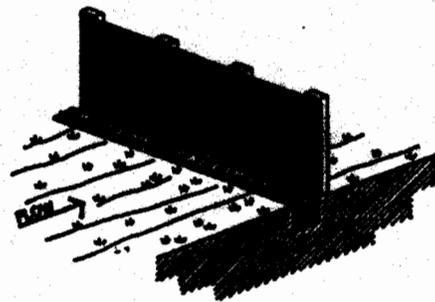
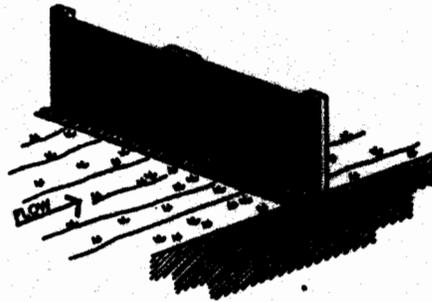
1. V-TRENCH



2. FLAT BOTTOM TRENCH (TYPICAL)

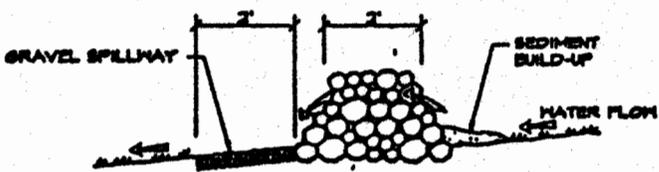
1. Excavate a 4"x4" trench along the contour.

2. Stake the silt fence on downslope side of trench. Extend 8" of fabric into the trench.

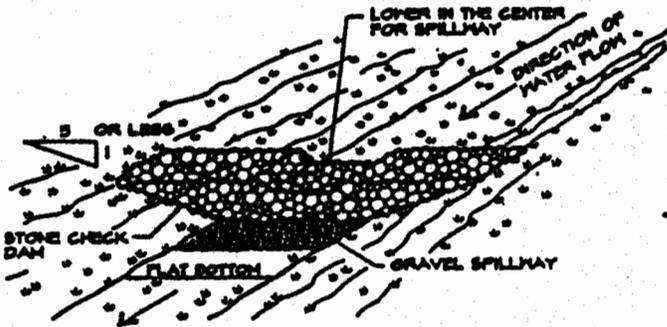


3. When joints are necessary, overlap ends and twist stakes together.

4. Backfill and compact the excavated soil.

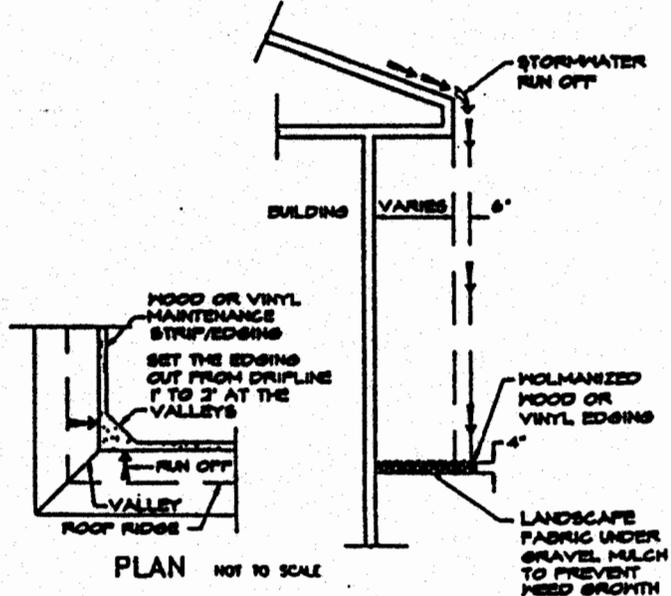


SECTION NOT TO SCALE



ISOMETRIC NOT TO SCALE

GRASS SWALE/DITCH WITH STONE CHECK DAM



PLAN NOT TO SCALE

SECTION NOT TO SCALE

STONE DRAIN BED



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.

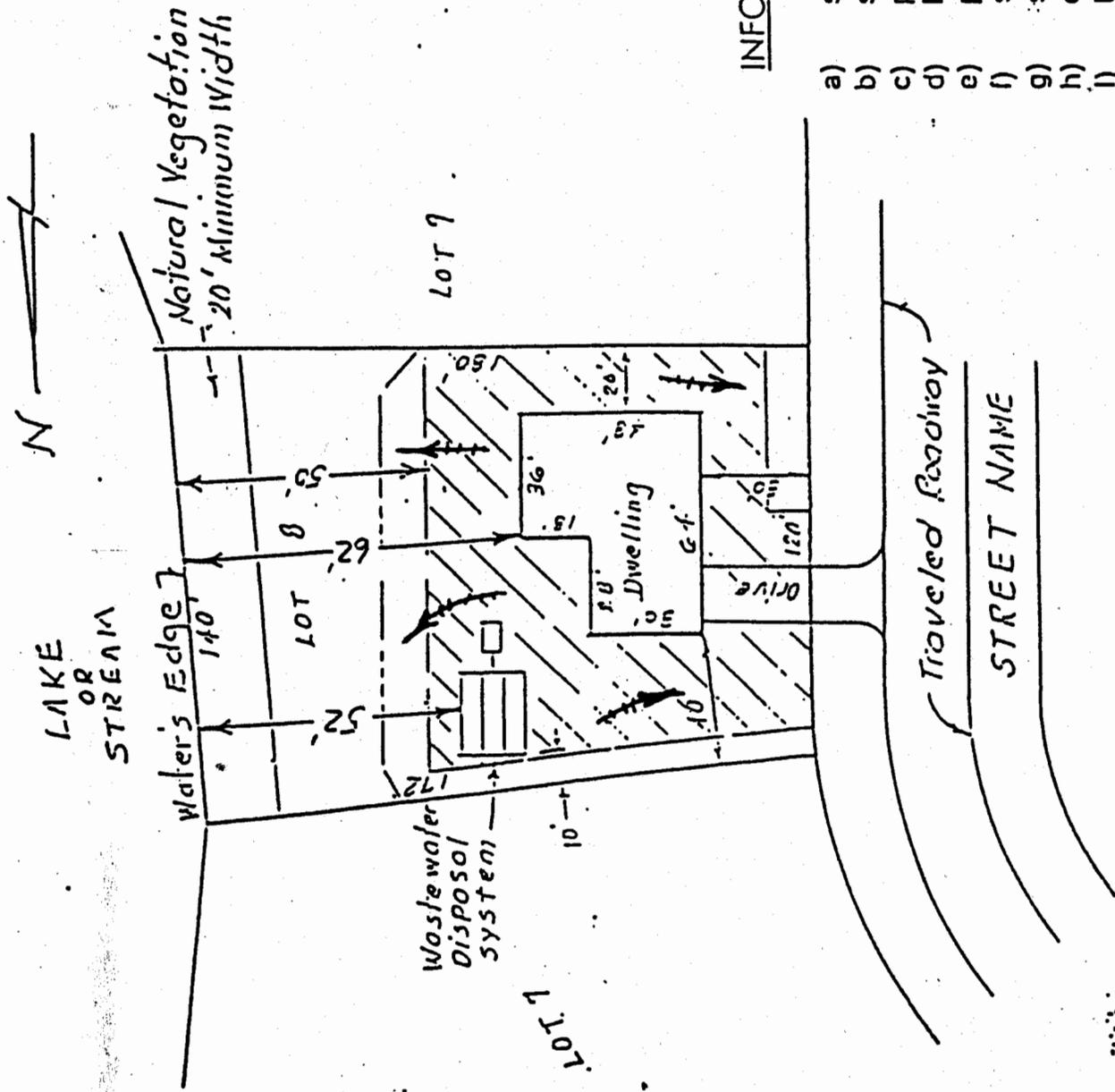
The MDEQ's Wetland Assessment Program assists property owners in identifying wetlands on their property. For more information on the Wetland Assessment Program call 517-241-8485.

- 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."

(over)

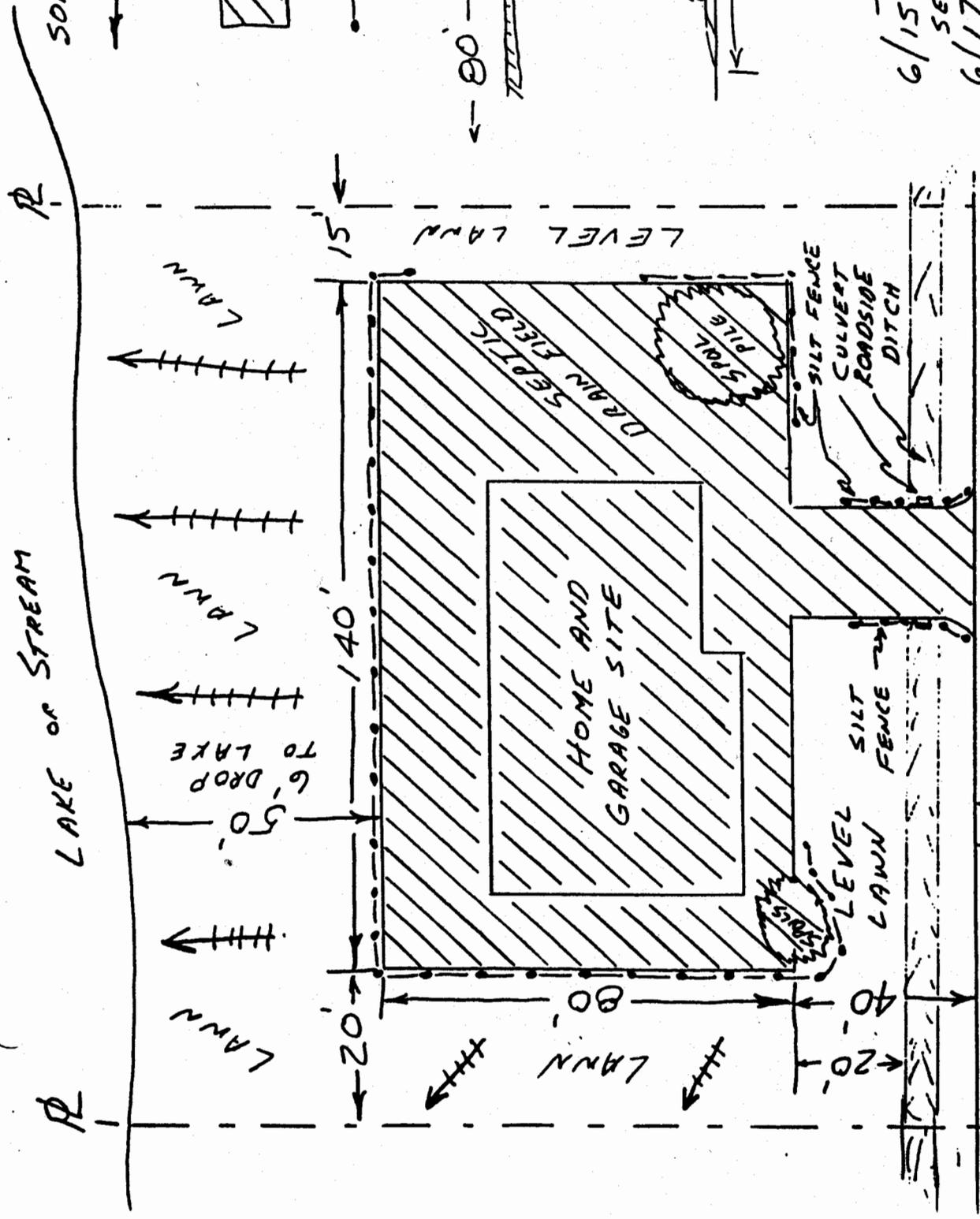


LEGEND

- Indicates Direction of Drainage
- ▨ Indicates Location of Earth Change
- - - Sill Fence where Required.

INFORMATION NEEDED

- a) scaled map
- b) site location sketch
- c) proximity to lake/stream
- d) limits of earth change
- e) predominant land feature
- f) slope information
- g) soils information
- h) drainage facilities
- i) liming and sequence
- j) temporary SESC measures
- k) permanent SESC measures
- l) maintenance program for SESC measures.

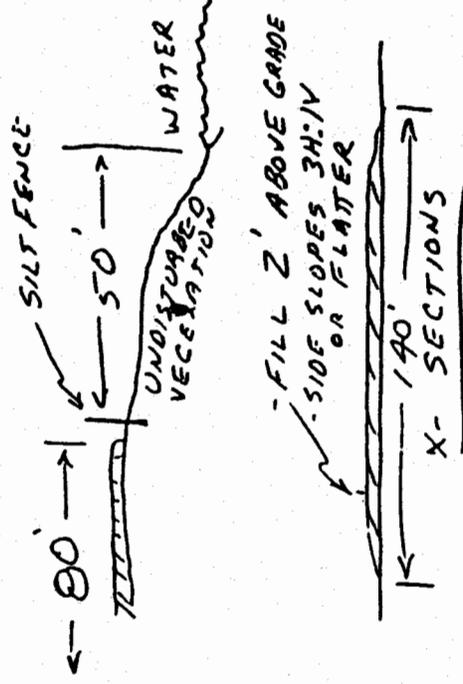


SOIL - SANDY LOAM

INDICATES DIRECTION OF SLOPE

INDICATES AREA OF EARTH CHANGE

SILT FENCE



SCHEDULE

- 6/15 - INSTALL PERIMETER SEDIMENT CONTROLS
- 6/17 - GRADE SITE
- 6/17 - 9/10 - CONSTRUCTION OF HOME
- 9/15 - PAVE DRIVEWAY
- 9/15 - 9/20 - FINAL GRADE, SEED AND MULCH
- REMOVE PERIMETER CONTROLS WHEN GRASS IS ESTABLISHED

STORM SEWER W/ INLET PROTECTION

ELM STREET