

HOUSE

APPLICATION FOR BUILDING PERMIT AND PLAN EXAMINATION ATLAS TOWNSHIP

7386 S. Gale Rd., Grand Blanc, MI 48439
P.O. Box 277, Goodrich, MI 48438
(810) 636-6809 or FAX (810) 636-6244

Permit Number _____
Date Issued _____
Permit Fee _____
Date of Occupancy/Final _____

AUTHORITY: P.A. 230 of 1972, AS AMENDED
COMPLETION: MANDATORY TO OBTAIN PERMIT
PENALTY: PERMIT WILL NOT BE ISSUED

THIS DEPARTMENT WILL NOT DISCRIMINATE AGAINST ANY INDIVIDUAL OR GROUP BECAUSE OF RACE, SEX, RELIGION, AGE, NATIONAL ORIGIN, COLOR, MARITAL STATUS, HANDICAP, OR POLITICAL BELIEFS.

APPLICANT TO COMPLETE ALL ITEMS IN SECTIONS
NOTE: SEPARATE APPLICATIONS MUST BE COMPLETED FOR PLUMBING, MECHANICAL, AND ELECTRICAL WORK PERMITS.

LOCATION OF BUILDING

STREET LOCATION			Zoning District
CITY	STATE	ZIP	OWNERSHIP: <input type="checkbox"/> Private <input type="checkbox"/> Public
between _____		and _____	
SUBDIVISION	LOT	BLOCK	LOT SIZE
HOMEOWNERS ASSOCIATION? YES / NO ASSOCIATION NAME _____			

TYPE OF IMPROVEMENT

- ☐ NEW BUILDING
- ☐ ALTERATION
- ☐ DEMOLITION
- ☐ FOUNDATION ONLY
- ☐ MOBILE HOME SET-UP
- ☐ PRE-MANUFACTURE
- ☐ SPECIAL INSPECTION
- ☐ RELOCATION
- ☐ ADDITION
- ☐ REPAIR

RESIDENTIAL PROPOSED USE

- ☐ ONE FAMILY
- ☐ TWO OR MORE FAMILY _____ NO OF UNITS
- ☐ HOTEL, MOTEL _____ NO OF UNITS
- ☐ ADDITION
- ☐ POOL
- ☐ ATTACHED/DETACHED GARAGE
- ☐ DECK
- ☐ STORAGE SHED
- ☐ POLE BUILDING
- ☐ OTHER _____

NON-RESIDENTIAL PROPOSED USE

- ☐ AMUSEMENT
- ☐ CHURCH, RELIGION
- ☐ INDUSTRIAL
- ☐ PARKING GARAGE
- ☐ SERVICE STATION
- ☐ OFFICE, BANK, PROFESSIONAL
- ☐ LIBRARY
- ☐ STORE, MERCANTILE
- ☐ TANKS, TOWERS
- ☐ PUBLIC UTILITY
- ☐ HOSPITAL/INSTITUTE
- ☐ OTHER _____

NON-RESIDENTIAL DESCRIBE IN DETAIL PROPOSED USE OF BUILDING, E.G. FOOD PROCESSING PLANT, MACHINE SHOP, LAUNDRY BUILDING AT HOSPITAL, PARKING GARAGE FOR DEPARTMENT STORE, RENTAL OFFICE BUILDING, OFFICE BUILDING AT INDUSTRIAL PLANT. IF USE OF EXISTING BUILDING IS BEING CHANGED, ENTER PROPOSED USE.

CHARACTERISTICS OF BUILDING

PRINCIPAL TYPE OF FRAMING

- ☐ Masonry (wall bearing)
- ☐ Wood frame
- ☐ Structural steel
- ☐ Reinforced concrete
- ☐ Other _____

TYPE OF SEWAGE DISPOSAL

- ☐ Public or private company
- ☐ Private (on-site septic)

TYPE OF WATER SUPPLY

- ☐ Public or private company
- ☐ Private (on-site well)

TYPE OF MECHANICAL

- Will there be central air?
☐ Yes ☐ No
- Will there be an elevator?
☐ Yes ☐ No

DIMENSIONS

No. of Stories _____
Total square feet of floor area of all floors _____
Total land area, sq. ft./acres _____

NUMBER OF OFF-STREET PARKING SPACES

Enclosed _____
Outdoors _____

RESIDENTIAL BUILDINGS ONLY

Number of bedrooms _____
Number of full bathrooms _____
Number of partial bathrooms _____

PRINCIPAL TYPE OF HEATING FUEL

- ☐ Gas
- ☐ Electricity
- ☐ Coal
- ☐ Other _____
- ☐ Oil

VALUATION AND PERMIT FEE

Use Group	Fee Basis
Type of Construction	Construction Cost
Square Feet _____	Construction Value _____
	Permit Fee _____

[illegible]

IDENTIFICATION - APPLICANT

APPLICANT IS RESPONSIBLE FOR THE PAYMENT OF ALL FEES AND CHARGES APPLICABLE TO THIS APPLICATION AND MUST PROVIDE THE FOLLOWING INFORMATION:

OWNER OR LESSEE

Name		Address	
City	State	Zip Code	Telephone Number

ARCHITECT OR ENGINEER

Name		Address	
City	State	Zip Code	Telephone Number
License Number			Expiration Date

CONTRACTOR

Name		Address	
City	State	Zip Code	Telephone Number
Builders License Number			Expiration Date
Federal Employer ID Number or Reason for Exemption			
Workers Comp Insurance Carrier or Reason		Policy No	Expiration
MESC Employer Number or Reason for Exemption			

I HEREBY CERTIFY THAT THE PROPOSED WORK IS AUTHORIZED BY THE OWNER OF RECORD AND THAT I HAVE BEEN AUTHORIZED BY THE OWNER TO MAKE THIS APPLICATION AS HIS/HER AUTHORIZED AGENT, AND WE AGREE TO CONFORM TO ALL APPLICABLE LAWS OF THE STATE OF MICHIGAN, GENESEE COUNTY AND ATLAS TOWNSHIP. ALL INFORMATION SUBMITTED ON THIS APPLICATION IS ACCURATE TO THE BEST OF MY KNOWLEDGE.

Section 23a of the State Construction Code Act of 1972, 1972 PA 230, MCL 125.1523A, prohibits a person from conspiring to circumvent the licensing requirements of this state relating to persons who are to perform work on a residential building or a residential structure. Violators of Section 23a are subjected to civil fines. **Assessor to verify when complete.**

SIGNATURE OF APPLICANT

DATE

Email Address for Inspection Updates:**PERMITS NEEDED TO SUBMIT WITH BUILDING PERMIT:**

- ☐ Approval by Planning Commission
Date _____
- ☐ Approval by Zoning Board of Appeals
Date _____
- ☐ Plot Plan
- ☐ On Site Septic/Tap-in
- ☐ Driveway
- ☐ Soil Erosion
- ☐ Energy Calculations

OTHER PERMITS/APPROVALS REQUIRED:

- ☐ Electrical Permit
- ☐ Mechanical Permit
- ☐ Plumbing Permit
- ☐ DNR Permit
- ☐ Other _____

APPROVAL

DATE

ZONING PLAN EXAMINERS NOTES

DISTRICT _____

USE

FRONT YARD

SIDE YARD SIDE YARD

SIDE YARD

REAR YARD

NOTES

SITE OR PLOT PLAN – *For Applicant Use*

A full-page view of a blank sheet of white graph paper. The grid consists of thin, light gray horizontal and vertical lines forming small squares. There are approximately 20 columns and 20 rows visible. A few very small, faint dark specks are scattered across the page, likely due to scanning artifacts or dust.

ATLAS TOWNSHIP BUILDING DEPARTMENT

Items required for building permit

House

1. 2 complete sets of construction documents.
2. Plot plan showing all setbacks including property lines location of well and septic, driveway, all other buildings and any other significant features.
3. Legal Description of property, copy of deed/land contract, and **land survey***
4. Sewer and Well permits from Genesee County Health Dept. (yellow copy)
5. Culver/Driveway Permit from Genesee County Road Commission.
6. Soil Erosion permit/waiver from Genesee County Drain Commission.
7. MI Energy Code Calculations.
8. Completed contractor's information form.
9. Name, address and phone number of property owner.
10. All restrictions and/or covenants that apply to property.
11. Application of building permit, filled out and applicable fees paid to Township.
12. Any electrical, plumbing and heating permits required/obtained through the State.

No construction shall be started until the Building Inspector gives approval.

Contact Matt Hart @ 810-636-6809 for Inspections or email: mhart@atlastownship.org

Atlas Township
Michigan Residential Code
Plan Review Requirements
 (2015 Michigan Residential Code)

In order to perform a thorough single family plan review, the following information must be submitted.

Address: _____ Date: _____

Complete plans drawn to scale with sufficient clarity, details and dimensions to show the nature and extent of the work proposed

Needed	YES	NO	N/A	REQUIREMENT
				A site plan including the following information:
				Size and location of all new construction & all existing structures on site
				Distance from property lines
				Flood Zone/Wetland determination
				Established street grades and proposed finish grades
				The location of any sewer, private sewage disposal system and/or water supply system
				Location of all public and private utilities and/or easements
				Building architectural/structural plans to include:
				Residential construction of 3500 sq. ft. or greater require that the construction documents be prepared under the direct supervision of a registered design professional. R-106.1 & PA 299 of 1980
				Local design load criteria, including frost depth & Wind load calculations
				Insulation details, Load calc's, energy compliance method, mechanical ventilation system BLOWER DOOR TEST IS REQUIRED
				Room sizes
				Tempered windows and doors shown
				Attached garage separation
				Stair details
				Emergency egress opening location(s) & details
				Smoke and Co2 detector locations and power supply
				Interior finish material details
				Window sill height above finished floor
				Details of foundation, superstructure, and wall sections
				Roof covering materials
				Attic/crawl space ventilation, including sizes and location of access
				Chimney/fireplace details. Provide Mfg. installation instructions

223.000 - CONSTRUCTION MAINTENANCE

Ord. No. 02-01

Adopted: February 18, 2002

THE TOWNSHIP OF ATLAS ORDAINS:

223.001 - Title.

Sec. 1. This Ordinance shall be known and may be cited as the Township of Atlas Construction Maintenance Ordinance.

223.002 - Intent.

Sec. 2. The purpose of this ordinance is to prohibit the depositing and accumulation of litter; to provide regulations for the proper handling and prompt removal of litter, garbage, debris, waste material, dust, sand mud and dirt from construction sites, buildings under construction, and areas, streets, roads, and highways abutting or adjacent thereto; to preserve the public health, safety and welfare; to properly handle and promptly remove such matter which has severe adverse effects on the community by tending to create a nuisance, creating hazardous conditions which may result in injury to persons or property attracting vermin, causing annoyance to residents and other persons who work in or pass through the township, and detracting from aesthetics of the neighborhoods; and to provide regulations for the use of portable toilets on construction sites.

223.003 - Refuse bins.

Sec. 3.

1. *Refuse Bins.*

- a. *Use.* No person shall place or allow refuse to accumulate outside of a refuse bin.
- b. *Lids.* All refuse bins shall be fitted with lids which shall be kept completely closed at all times, except for times of filling and collection, to prevent the contents of a refuse bin from being dispersed by winds or otherwise.

c. *Screening.*

1. All refuse bins located in the township must be enclosed or screened from public view. Such screening shall consist of a wall or fence not less than one (1) foot higher than the height of the refuse bins placed therein, which completely conceals its contents from public view, but in no instance shall such screening be less than five (5) feet in height on three (3) sides. Posts or bumpers shall be provided within the enclosure to protect it from damage from the refuse bin. The inside dimensions of the enclosure shall be such as will permit adequate access for refuse collection vehicles as well as completely enclosed refuse bins within the three (3) sides so that no refuse bin projects outside of the open side.

2. Screening materials shall consist of any of the following:

- a. Masonry.
- b. Wood, provided the wood is cedar, redwood, marine grade exterior plywood, or equivalent of at least five-eighths (5/8 ") inch (1.5875 centimeters) thickness or other types of wood which have been pressured treated with preservatives. If cedar, redwood, or plywood is used in the screening, it shall be protected from possible rot or decay by the application of a preservative. Wood that has been pressured treated need not be further protected from possible rot or decay.
- c. Evergreen shrubbery consisting of permanent, living plant materials which shall be continuously maintained in a sound, health and vigorous growing condition, free of plant diseases and insect pests, and free of weeds, refuse and debris.

The shrubbery shall be planted and maintained so as to create a continuous barrier.

3. This article is not intended to require the enclosure of any refuse bin used on a temporary basis during the construction of any building, provided that the refuse bin is removed from the premises or is moved to be approved, enclosed location on the site prior to the issuance of a final certificate of occupancy for the building under construction. This article is not intended to require the enclosure of any refuse bin unless that refuse bin is otherwise visible from a public place, or an area to the general public.
 - d. *Prohibited bins.* No person shall place or maintain any refuse bin within the township which is banned as a hazardous product pursuant to Part 1301, Sub Chapter B, Chapter 11, Title 16 of the Consumer Product Safety Commission Rules under Section 8 and 9 of the Consumer Product Safety Act 15 U.S.C. 2057 and 2058.
 - e. *Requirements of owner.* No person shall place or maintain any refuse bin within the township until:
 1. The owner thereof or the person placing or maintaining such refuse bin in the township shall file with the township a sworn affidavit or such other evidence verifying that such refuse bin is not a prohibited refuse bin;
 2. The owner thereof or the person placing or maintaining such refuse bin in the township shall permanently place a conspicuous area of such refuse bin such person's name, address, and telephone number.
 - f. *Enforcement.* The department of building and safety is hereby charged with the enforcement of this section.
2. ***Refuse Collection/Removal.***
- a. *Time.* No refuse, whether properly stored or not, shall be kept on a premises for more than one (1) week. It shall be the responsibility of both the owner and the person in control of the premises to properly dispose of all refuse on at least a weekly basis.
 - b. *Enforcement.* Upon receiving a complaint or having reason to believe that refuse is not being disposed of in accordance with [sub]section a., an ordinance enforcement officer may request from the owner and/or the person in control of the premises, evidence that said person is employing a refuse collection service which collects refuse on at least a weekly basis, or show a receipt evidencing the power in control of the premises to produce such evidence within one (1) week or receiving a notice of violation, shall constitute in evidence a presumption that the refuse is not being disposed of in accordance with subsection a. The notice of violation shall contain a contact number whereupon a person may obtain a list of licensed refuse collection companies.
 - c. Material shall not be dropped by gravity or thrown outside the exterior walls of a building demolition or erection. Wood or metal chutes shall be provided for the removal of such materials. Where the removal of any material will cause an excessive amount of dust, such material shall be wet down to prevent the creation of a nuisance.

223.004 - Litter.

Sec. 4.

1. *Legislative Intent.* In the development and enhancement of this article it is recognized that proper handling and prompt removal of litter, garbage, debris, waste material, dust, sand, mud and dirt from construction sites, buildings under construction, and areas, streets, roads, and highways abutting or adjacent thereto, is essential to the preservation of the public health, safety and welfare. The failure to properly handle and promptly remove such matter has severe adverse effects on the community by tending to create a nuisance, creating hazardous

conditions which may result in injury to persons or property attracting vermin, causing annoyance to residents and other persons who work in or pass through the township, and detracting from aesthetics of the neighborhoods. The purpose of this article is to provide regulations for the prevention of such effects and to provide penalties for the violation of this article, the needs of the community may require expeditious removal of the objectionable matter by the township itself. To this end, a procedure is hereby established by which the township, after due notice is given to the primary contractor or owner of a construction site or building under construction, may remove the objectionable matter and charge the cost of the removal to the owner or party in interest in whose name the subject appeared upon the last tax assessment records.

2. *Definitions.* The following words, terms, and phrases, when used in this article, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning.

Construction Material means any material used for the purpose of the erection, alteration, repair, reconstruction, conversion, demolition, moving, or equipping of any building or structure, or the excavation, filling, grading or regulation of a lot in connection therewith.

Construction Site means a lot on which the erection, alteration, repair, reconstruction, conversion, demolition, moving, or equipping of any building or structure, or the excavating, filling, grading or regulation of a lot in connection therewith, is taking place, has taken place, or will take place.

Debris means any accumulation of broken or detached matter, including but not limited to pieces of stone, brick, cement, plaster, lumber, pipe, wallboard, and shingles.

Garbage means putrescible animal and vegetable matter.

Litter means garbage and debris and all other matter which is thrown, dumped, placed, left, or deposited as prohibited in this article, which may tend to create a danger to the public health, safety and welfare.

Owner means the person or party whose name appears upon the last tax assessment records of the township.

Primary Contractor means the person that has obtained the building permit for building on the construction site or the person that is in control of construction on the construction site.

Street or Highway means (1) the entire width between boundary lines of any way publicly maintained when any part thereof is open to the use of the public for purposes of vehicle travel; (2) the entire width between boundary lines of any way dedicated for public use within a recorded plat irrespective of whether street improvements within the plat have been accepted by the township of Atlas; (3) the entire width of any public or private street contained within a site condominium.

Waste Material means any putrescible, and nonputrescible solid waste, except body waste, including but not limited to garbage, debris, uprooted vegetation and herbage, tree limbs and stumps and any other matter which if thrown, dumped, placed, left or deposited as prohibited in this article, may tend to create a danger to the public health, safety and welfare.

3. *Requirements of person in charge of building site.*

- A. Each contractor who owns, controls or is in possession of a construction site or building under construction shall:

- 1) Provide a receptacle at each construction site and building under construction which shall be of sufficient size and dimension to adequately contain such litter, garbage, debris and waste material as may be found at the construction site or building under construction;

- 2) Place all litter, garbage, debris and waste material from the construction site within the receptacle;
 - 3) Place all construction materials within the confines of the lot lines of a construction site or building under construction;
 - 4) Sweep the streets, roads or highways adjacent to the abutting the construction site, or building under construction at least once per week, or more frequently if litter shall be dumped, deposited, placed or thrown on the streets, roads or highways.
 - 5) Maintain the construction site, building under construction, and adjacent area free of litter, garbage, debris and waste material.
 - 6) Maintain the street, road or highway adjacent to or abutting such construction site or building under construction free of dust, sand, mud, dirt, litter, garbage, debris or waste material from the construction site or building under construction.
- B. The failure of a person to comply with the requirements of this section shall constitute a violation of this article. The commission of any of the following acts shall constitute a violation of this article:
- 1) The dumping, depositing, placing, throwing, leaving or burying or causing or permitting the dumping, depositing, placing, throwing, leaving or burying of litter, garbage, debris or waste material at any construction site or building under construction;
 - 2) The transferring of litter, garbage, debris, or waste material from one construction site or building under construction to another.
 - 3) The dumping, depositing, placing, throwing, leaving, or causing or permitting the dumping, depositing, placing, throwing or leaving of dust, sand, mud, dirt, litter, garbage, debris or waste material on any street, road, highway or right-of-way.
 - 4) The placing of construction materials on any street, road, highway or right-of-way.
 - 5) Refuse, construction materials and equipment shall not be placed or sorted so as to obstruct access to fire hydrants, standpipes, fire or police alarm boxes, utility boxes, catch basins or manholes, nor shall it be placed so as to obstruct normal observations of traffic or to hinder the use of public transit loading platforms.
 - 6) All refuse materials shall be removed in a manner which prevents injury or damage to persons, adjoining properties and public rights-of-way.
4. *Clean-up of mud, dirt and debris on streets.* Whenever work or construction in the township causes the deposit of mud, dirt, debris or any other material on a street, highway, pathway, or alley, the developer, builder, contractor and permit holder, as well as the owner of the premises where the work or construction is taking place, shall be responsible for clean-up and compliance with this section. Any mud, dirt, debris or any other material deposited on a street, highway, pathway or alley shall be removed by the end of the workday. However, upon notification from the township to the permit holder that a dangerous condition exists due to the accumulation of mud, dirt, debris or any other material on a street, highway, pathway or alley, the person(s) responsible above, shall immediately clean the street, highway, pathway or alley within two (2) hours.
5. *Responsible for cost of clean-up.*
- A. *One person responsible.* If it becomes necessary for the township to clean an accumulation of mud, dirt, etc. from a street, highway, pathway or alley on account of the failure of the person responsible under [sub]section 4. to do so, the township may perform necessary street clean-up and the person responsible shall pay to the township the cost of clean-up with a certified check or cash deposit and the person responsible shall pay to the township the cost of the clean-up.

- 1) *Use of permit cash deposits.* The township may use that cash deposit filed with the township in order to obtain reimbursement for the cost of clean up.
- 2) *Immediate replenishment of cash deposit.* In the event it becomes necessary for the township, pursuant to this subsection to use a cash deposit on file with the township, the permit holder shall be required to immediately replenish and replace the cash deposit.
- B. *Multiple persons responsible.* If an accumulation of mud, dirt, etc., appears to be the responsibility of more than one person or is related to building or construction activities on more than one site, the cost of clean up by the township shall be prorated and charged against the cash deposits of all the persons determined by the township supervisor and/or township building department.
- C. *Lien.* In those cases where deposited funds are insufficient to cover the cost of clean up performed by the township, or payment has not been received, such costs shall be a lien against the real property and shall be reported by the building official to the assessing officer of the township who shall assess the cost against the property. The owner or party in interest in whose name the property appeared upon the last tax assessment records shall be notified of the amount of such cost by first class mail at the address shown on the records. If he fails to pay the same within thirty (30) days after mailing by the assessor of the notice of the amount thereof, the assessor shall add the same to the next tax roll of the township and the same shall be collected in the same manner in all respects as provided by law for the collection of taxes.
6. *Enforcement.* In addition to the township's use of certified checks and cash deposits, pursuant to [sub]section 5. above, the building official upon determining there has been a failure to comply with the requirements of [sub]section[s] 3 and 4; may order the stoppage of work, the withholding of inspections, and/or the staying or revocation of the building permit issued for the work site until compliance is obtained.

223.005 - Portable toilets.

Sec. 5.

1. *Definitions.* Portable toilet means a receptacle for human waste temporarily in a location for human use.
2. *Prohibited.* It is unlawful within the township to keep, maintain or permit to remain on any land zoned residential, commercial or industrial a portable toilet.
3. *Exceptions.* The prohibited use of a portable toilet shall not apply to those portable toilets allowed and required on construction sites, pursuant to R. 408.40129 of the Michigan Administrative Code, or to those utilized at a public park or school facility. No permit is required.
4. *Toilets at construction site.*
 - A. Toilets at construction sites shall be provided for employees as follows:
 - 1) 1 to 20 employees — 1 toilet.
 - 2) 21 to 40 employees — 2 toilets.
 - 3) 41 or more employees — 1 additional toilet for each additional 40 or less employees.
 - B. A job site that is not provided with a sanitary sewer shall be provided with 1 of the following toilet facilities, unless prohibited by local codes:
 - 1) A privy; if use of the privy will not contaminate groundwater or surface water.
 - 2) A chemical toilet.
 - 3) A recirculating toilet.

- 4) A combustion toilet.
- C. The requirements of this rule for sanitation facilities shall not apply to a mobile crew (i.e. essential public utilities crew) that has transportation readily available to nearby toilet facilities.
 - D. To assure sanitation, a toilet shall be serviced and maintained on a regular basis.
 - E. A toilet shall be supplied with toilet paper.



Energy Diagnostics, Inc.
405 E. Archer Way
Valparaiso, IN 46383

Toll Free: 800-390-8091
Phone: 219-464-4457
Fax: 219-464-0035
E-mail:
email@energydiagnostics.net

2015 MRC Chapter 11 (Energy Code) Changes Punch

- All new homes must be blower door tested by a third party
- Blower door requirements are now 4 air changes per hour (ach) vs the 7 ach that it was for the previous code
- Duct leakage testing is required for all new homes that have ducts ran to un-conditioned space (attic, vented crawl etc.)
- Duct test requirements:
 - Post construction: 4 cfm per 100 sqft of to outside or total duct loss
 - Rough-in: 4 cfm per 100 sqft of total duct loss if furnace is installed or 3 cfm per 100 sqft if furnace is not installed
- Framed cavities can no longer be used as ducts, everything must be hard/flex ducted
- Slight changes to the prescriptive insulation table were made
- ACCA Manual J & S's are now required by the energy code and will be needed during the permitting stage
- Whole house mechanical ventilation is now required on all new homes due to the tightened ach requirements and there are three different options
 - Exhaust only: Continuous run bath fans
 - Supply only: Air cycler systems
 - Balanced: HRV/ERV's
- 75 percent of permanently installed lighting fixtures must use high efficacy bulbs (CFL's, LED's, etc.)

N1102.4.1.1 (R402.4.1.1) Installation.

The components of the *building thermal envelope* as listed in Table N1102.4.1.1 shall be installed in accordance with the manufacturer's instructions and the criteria listed in Table N1102.4.1.1, as applicable to the method of construction. The sealing methods between dissimilar materials shall allow for differential expansion and contraction.

TABLE N1102.4.1.1 (R402.4.1.1) AIR BARRIER AND INSULATION INSTALLATION

COMPONENT	CRITERIA ^a
Air barrier and thermal barrier	A continuous air barrier shall be installed in the building envelope. Exterior thermal envelope contains a continuous air barrier. Breaks or joints in the air barrier shall be sealed. Air-permeable insulation shall not be used as a sealing material.
Ceiling/attic	The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier sealed. Access openings, drop down stair, or knee wall doors to unconditioned attic spaces shall be sealed.
Walls	Corners and headers shall be insulated and the junction of the foundation and sill plate shall be sealed. The junction of the top plate and top of exterior walls shall be sealed. Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier. Knee walls shall be sealed.
Windows, skylights and doors	The space between window/door jambs and framing, and skylights and framing shall be sealed.
Rim joists	Rim joists shall be insulated and include the air barrier.
Floors (including above-garage and cantilevered floors)	Insulation shall be installed to maintain permanent contact with underside of subfloor decking. The air barrier shall be installed at any exposed edge of insulation.
Crawl space walls	Where provided in lieu of floor insulation, insulation shall be permanently attached to the crawlspace walls. Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped.
Shafts, penetrations	Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed.
Narrow cavities	Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity space.
Garage separation	Air sealing shall be provided between the garage and conditioned spaces.
Recessed lighting	Recessed light fixtures installed in the building thermal envelope shall be air tight, IC rated, and sealed to the drywall.
Plumbing and wiring	Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring.
Shower/tub on exterior wall	Exterior walls adjacent to showers and tubs shall be insulated and the air barrier installed separating them from the showers and tubs.
Electrical/phone box on exterior walls	The air barrier shall be installed behind electrical or communication boxes or air-sealed boxes shall be installed.
HVAC register boots	HVAC register boots that penetrate building thermal envelope shall be sealed to the subfloor or drywall.
Fireplace	An air barrier shall be installed on fireplace walls.

a. In addition, inspection of log walls shall be in accordance with the provisions of ICC-400.



G-4610 Beecher Road Flint, MI 48532
 Phone (810) 732-7870 Fax (810) 732-9773
www.qcdcwws.com

OFFICE USE ONLY

Permit Number
Date Issued
Expiration Date
File Number

****This does not constitute as the permit.**

RESIDENTIAL SOIL EROSION & SEDIMENTATION CONTROL PERMIT APPLICATION

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

<input type="checkbox"/> Landowner	NAME:	EMAIL:
<input type="checkbox"/> Designated Agent		
ADDRESS:		
CITY:	STATE:	ZIP:
PHONE:		

2. LOCATION

SECTION	Township - T__N	<input type="checkbox"/> CITY	PROPERTY TAX ID #
	Range - R__E	<input type="checkbox"/> TOWNSHIP	
		<input type="checkbox"/> VILLAGE	
SUBDIVISION:	LOT #	STREET ADDRESS:	

3. PROPOSED EARTH CHANGE

Project Type: Residential <input type="checkbox"/>	Industrial <input type="checkbox"/>	Multi-Family <input type="checkbox"/>	Land Balancing <input type="checkbox"/>	Commercial <input type="checkbox"/>
Describe Project			Size of Earth Change (Acres, Linear feet or square feet)	
Name of and distance to nearest Lake, Stream, or Drain		Date Project to start	Date Project to be complete	

4. SOIL EROSION AND SEDIMENTATION CONTROL PLAN (Refer to Rule 323.1703 of Part 91)

Note: Two complete set of plans must be provided prior to issuance of a permit. Submit one copy for review.	Estimated Cost of Erosion and Sedimentation Control	
	Plan Preparer's Name	Phone #

5. PARTIES RESPONSIBLE FOR EARTH CHANGE

Name of Landowner (if not provided in Box. 1 above)		Address		
Email:				
City	State	Zip	Phone #	
Name of Individual "On Site" Responsible for Earth Change			Company Name	
Email:				
Address	City	State	Zip	Phone

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

Amount Required \$:				
Name of Surety Company:				
Address	City	State	Zip	Phone

Note: If an individual homeowner/landowner (owning not more than 2 lots) is undertaking an earth change on their residential property or single family lot, a security may be required at the discretion of GCDC-WWS. If no security is required, the homeowner/landowner shall provide written authorization allowing GCDC-WWS to enter onto their property and perform any necessary work to gain Part 91 compliance in the event the site is in noncompliance. The homeowner/landowner must also acknowledge in writing that a lien will be placed on their property for the cost of the work done by GCDC-WWS.

When a contractor is performing the work, a security is required in the amount of \$3,000.00 per acre/or part of, shall be posted and retained until such time as the SESC permit is considered closed by GCDC-WWS.

7. NOTICE TO APPLICANT

I understand that if a soil erosion and sedimentation control permit OR a waiver of a soil erosion and sedimentation control permit is issued, the above-mentioned property is not exempt from enforcement procedures under Part 91, of Act No. 451 of the Public Acts of 1994, as amended, being MCL § 324.32501 *et. seq.*

I hereby acknowledge that if a soil erosion and sedimentation control permit OR a waiver of a soil erosion and sedimentation control permit is issued, I hereby voluntarily grant the employees of the Genesee County Drain Commissioner's Office, Division of Water and Waste Services, or their designated agents permission to enter onto my property as set forth herein to ensure that the project conforms to the reason stated above as to why the proposed project qualifies for a soil erosion and sedimentation permit waiver. I further understand that if I revoke my consent for the employees of the Genesee County Drain Commissioner's Office, Division of Water and Waste Services, or their designated agents to enter onto the property set forth herein, the permit waiver is automatically revoked, I will need to resubmit a new soil erosion and sedimentation permit application or waiver certification, and I must cease all earth moving activities on the property.

I further understand that if I continue to perform earth moving activities on the property after revoking my consent for the employees of the Genesee County Drain Commissioner's Office, Division of Water and Waste Services, or their designated agents to enter onto the property set forth herein, I may be subject to one or more of the enforcement procedures set forth in Part 91 of Act No. 451 of the Public Acts of 1994, as amended, and the administrative rules promulgated thereunder, including, but not limited to, being issued a civil infraction citation, having an injunction issued to prevent any further earth moving activities on the aforementioned property, the right of the Genesee County Drain Commissioner's Office, Division of Water and Waste Services or its agents to enter onto my property to install soil erosion and sedimentation control procedures and lien the property for all costs associated with installing the soil erosion and sedimentation control procedures, and/or the forfeiture of any security submitted in the amount required to bring the property into compliance with Part 91 of Act No. 451 of the Public Acts of 1994, as amended.

I hereby acknowledge that the information contained herein is truthful and accurate to the best of my knowledge. I understand that if I knowingly make any false statement in this application it may result in a civil fine of not more than \$10,000.00 per day for each violation.

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 landowner's name.

OFFICE USE ONLY

LOG NO: _____

DATE: _____

Genesee County Drain Commissioner Division of Water and Waste Services
RESIDENTIAL Soil Erosion and Sedimentation Control Plan Submittal Checklist

All SESC plans submitted to this office shall at a minimum be accompanied by the following information.

1. ____ Soil Erosion and Sedimentation Control application review fee. Fee schedule is listed below. Checks shall be payable to the Genesee County Drain Commissioner's Office.
Application Review Fee
Single Family Residential: \$ 35.00
2. ____ Legal description, tax I.D. number and/or survey of site.
3. ____ A SESC site plan (scale of not more than 1"=200' on 24"x36" sheets) of the property with the items below clearly labeled :(Residential can be submitted on letter or legal paper)
 - A. ____ Name and address of Applicant. Name and address of landowner.
 - B. ____ Project Name, location, proximity to waters of the State (lake, stream, drain, wetlands) and (the 100 year floodplain contour for those waters for commercial applications only).
 - C. ____ Location map, NORTH arrow and drawing scale.
 - D. ____ Limits of earth change delineated and clearly labeled.
 - E. ____ Existing and proposed contours. If unchanged so state.
 - F. ____ Existing and proposed on-site and off-site (within drainage area of earth change) drainage and dewatering facilities including temporary dewatering shall be clearly labeled and identified.
 - G. ____ Predominant land features shall be labeled on the drawings. (Buildings, rivers, streams, etc.)
 - H. ____ Existing on-site vegetation (type and location).
 - I. ____ Soil stock pile locations.
 - J. ____ Description of installation and location of all temporary and permanent erosion control measures, with measures clearly drafted and labeled with the (Michigan Unified Keying System and GCDC-WWS Specifications for commercial applications only).
 - K. ____ A program proposal for the continued maintenance of all permanent soil erosion and sediment control measures that remain after project completion.

L. ____ Person responsible for continued maintenance once permit is closed

Name: _____
Address: _____
Phone #: _____
Email address: _____

4. ____ A topographic map with the affected area clearly labeled.
5. ____ Existing soils information, with project area clearly labeled. (Soils Map)
6. ____ A completed Soil Erosion and Sedimentation Control application.
7. ____ A completed construction and maintenance schedule including a plan for permanent stabilization.
8. ____ A copy of any submitted MDEQ permit applications (as applicable) required for completing earthwork within the boundaries of waters of the state.
9. ____ A copy of sedimentation basin capacity calculation for sites that require sedimentation basins. (This may not be required for Residential Properties)

I hereby certify that the above information has been provided with the submitted plans.

Name of Party Preparing Checklist: _____

Signature: _____ Date: _____

OFFICE USE ONLY

This application review packet will be reviewed for completeness within 5 business days of being received. If the application review packet is found to be incomplete it will be returned in its entirety to the entity that made the submission.

Dated Received: _____

Is this application complete? YES ☐ NO ☐

Dated Verified: _____

SESC Detailed Review:

Sign: _____ Date: _____

Project Engineer Authorization to issue SESC Permit: _____
(Commercial SESC ONLY)

Date: _____

Note: It is necessary to submit only one set of plans for review

REVIEWER COMMENTS:

SESC CONSTRUCTION AND MAINTENANCE SCHEDULE

Project Name: _____
 Anticipated Start Date: _____
 Anticipated End Date: _____

Construction Schedule

Construction Sequence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Notes
Temporary SESC Measures													
Building Demolition													
Strip and Stockpile													
Rough Grading													
Underground Utilities													
Road Installation													
Building Construction													
Permanent SESC Measures													
Final Grade													
Landscaping													

Maintenance Schedule

Maintenance Sequence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Notes
Street Sweeping													
Silt Fencing													
Maintain Buffer Strips													
Inlet Structures													
Seeding and Mulch													
Sediment Basins													
Rip-Rap													
Remove Temporary Measures													

Seeding and Planting Schedule

Temporary: (Refer to Tables 4 & 6 in MDEQ "Guidelines for Vegetative Erosion control" included with this packet)

Area on Plan	Mix #	Common Name	Natural Drainage Class Suitability	Suitable Uses	Rate lb/acre

Permanent: (Refer to Tables 4 & 6 in MDEQ "Guidelines for Vegetative Erosion control" included with this packet)

Area on Plan	Mix #	Common Name	Natural Drainage Class Suitability	Suitable Uses	Rate lb/acre

Trees and Shrubs: (Refer to Table 7 in MDEQ "Guidelines for Vegetative Erosion control" included with this packet)

Area on Plan	Quantity	Common Name	Scientific Name	Drainage Class	Notes

EXAMPLE SINGLE FAMILY HOME SITE PLAN MINIMUM GUIDE FOR RESIDENTIAL SESC APPLICATION

HOUSE PLOT PLAN FOR:
JOE SMITH
1111 MAIN STREET
FLINT, MI 48503

LOT 74 OF "MORIDAN ACRES" AS
RECORDED IN LIBER 55, PAGES
222-225

NOTE: THIS EXACT
EXAMPLE PAGE IS NOT
TO BE INCLUDED IN
THE PERMIT.

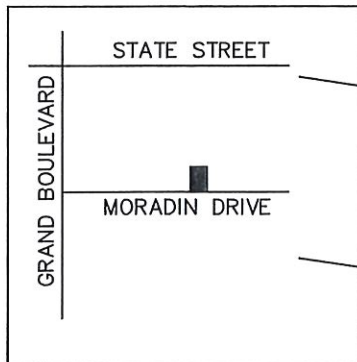


1" = 30'

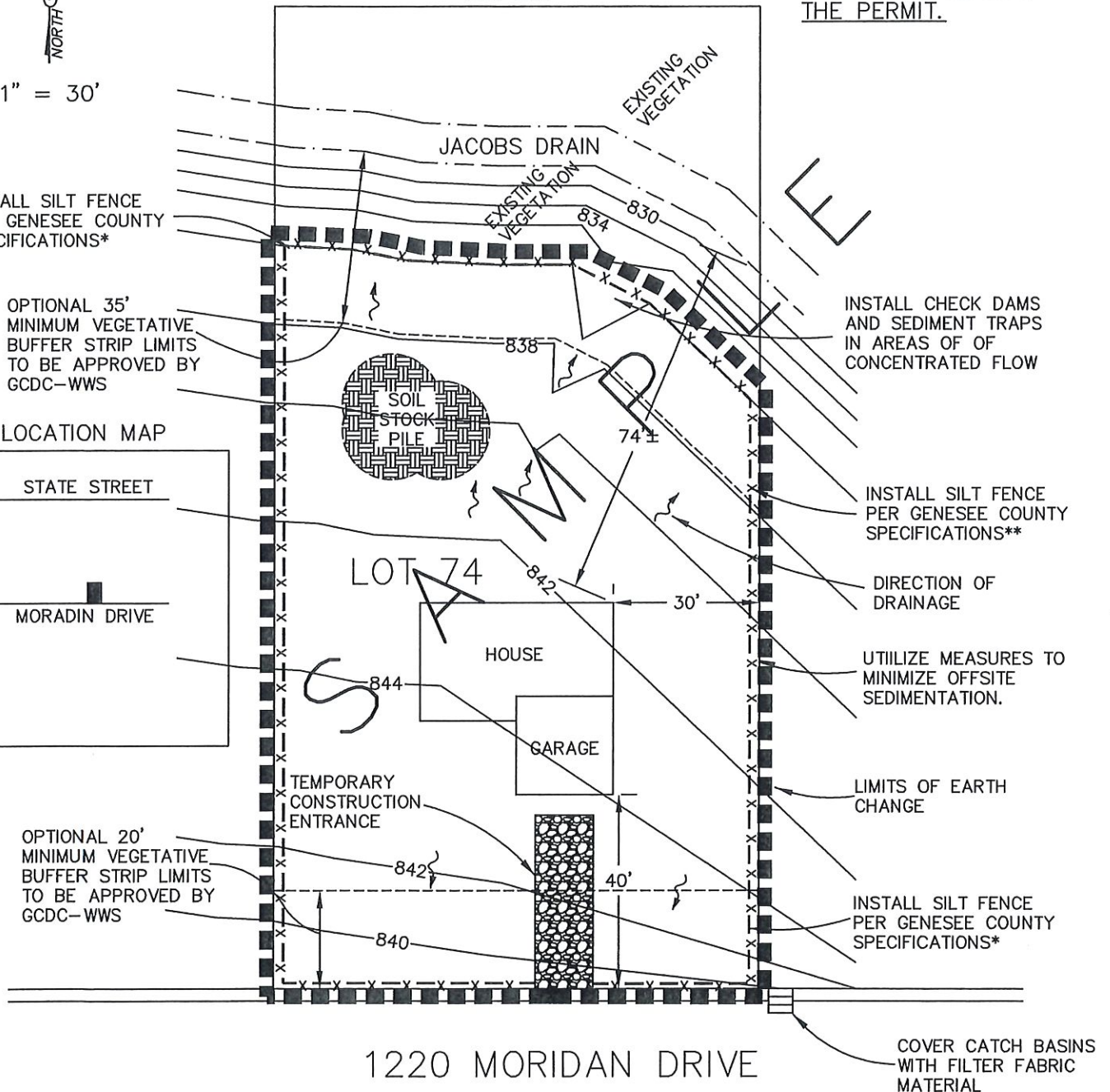
INSTALL SILT FENCE
PER GENESEE COUNTY
SPECIFICATIONS*

OPTIONAL 35'
MINIMUM VEGETATIVE
BUFFER STRIP LIMITS
TO BE APPROVED BY
GCDC-WWS

LOCATION MAP



OPTIONAL 20'
MINIMUM VEGETATIVE
BUFFER STRIP LIMITS
TO BE APPROVED BY
GCDC-WWS



INSTALL CHECK DAMS
AND SEDIMENT TRAPS
IN AREAS OF OF
CONCENTRATED FLOW

INSTALL SILT FENCE
PER GENESEE COUNTY
SPECIFICATIONS**

DIRECTION OF
DRAINAGE

UTILIZE MEASURES TO
MINIMIZE OFFSITE
SEDIMENTATION.

LIMITS OF EARTH
CHANGE

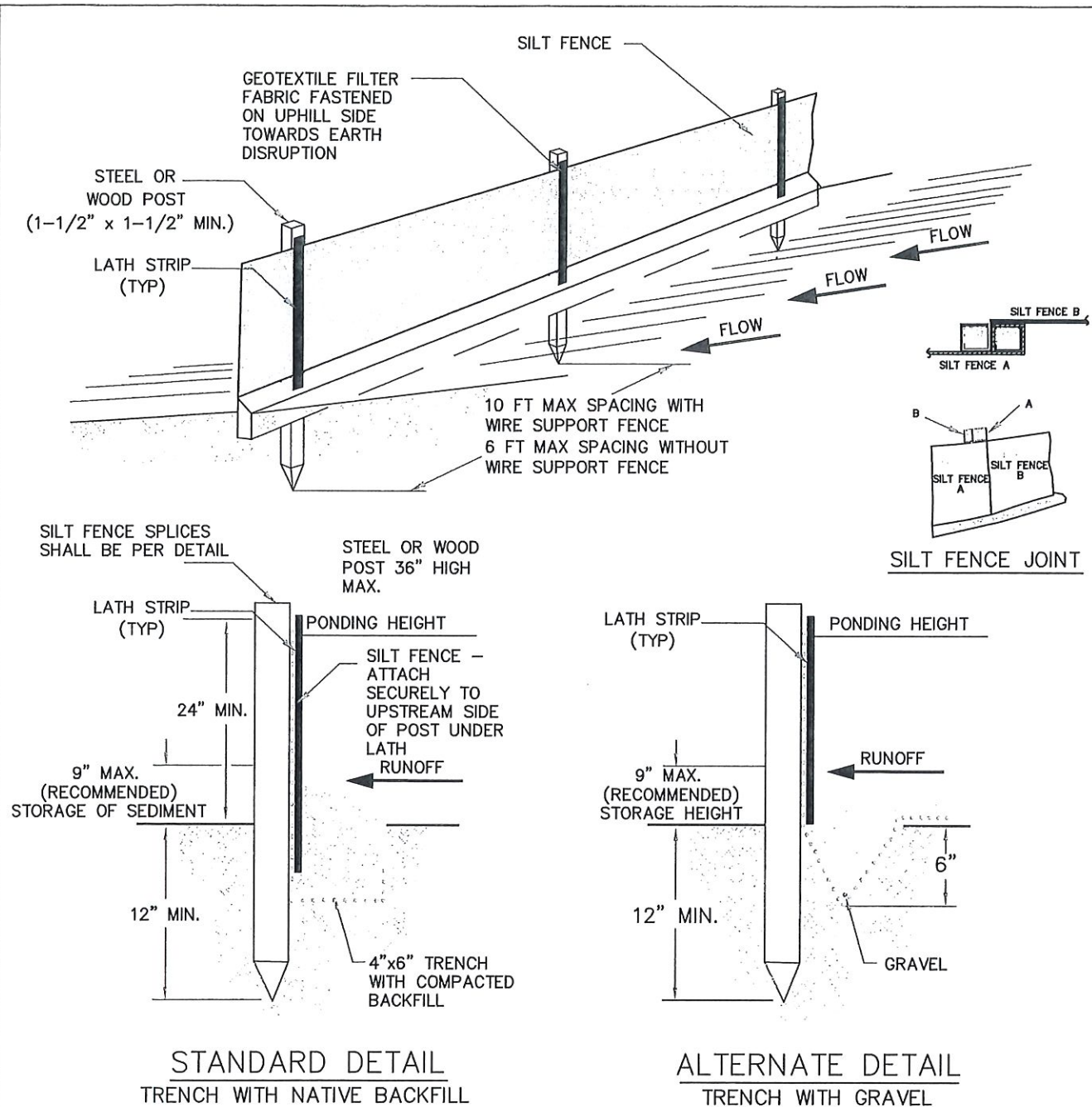
INSTALL SILT FENCE
PER GENESEE COUNTY
SPECIFICATIONS*

COVER CATCH BASINS
WITH FILTER FABRIC
MATERIAL

* SILT FENCE IS NOT NECESSARY SO LONG AS A MINIMUM THICK 20' VEGETATIVE BUFFER STRIP IS MAINTAINED DURING CONSTRUCTION.

** SILT FENCE IS NOT NECESSARY SO LONG AS A MINIMUM THICK 35' VEGETATIVE BUFFER STRIP IS MAINTAINED ALONG ALL WATERS OF THE STATE DURING CONSTRUCTION.

NOTE: THE WIDTH OF THE VEGETATIVE BUFFER STRIPS WILL BE MODIFIED PER ON-SITE CONDITIONS AND BE APPROVED BY GCDC-WWS.



APPLICATIONS

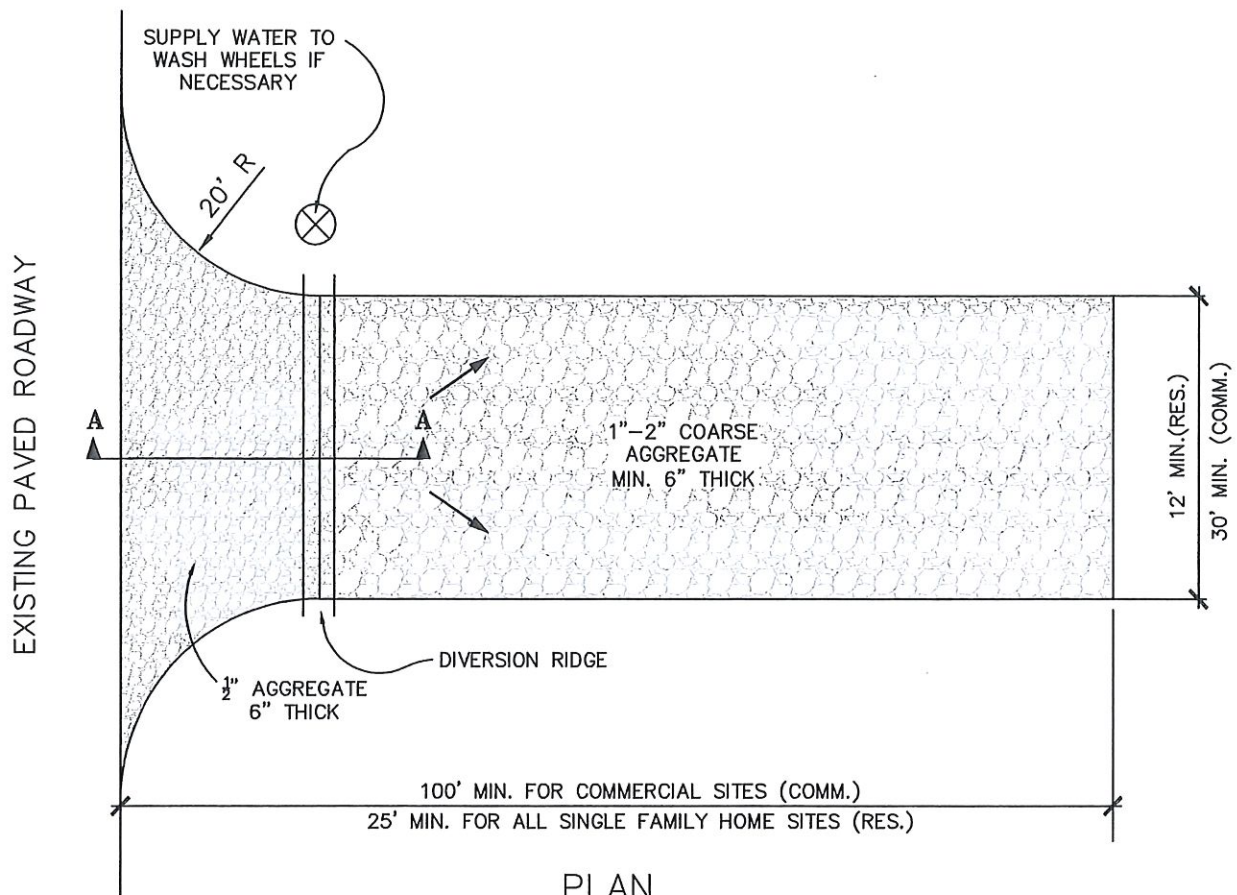
1. INSTALLED TO REDUCE SEDIMENT LADEN SURFACE RUNOFF FROM LEAVING THE PROPERTY OF A CONSTRUCTION SITE INVOLVING DISTURBED EARTH.
2. DIVERSIONARY STRUCTURE.

DESIGN

1. INSTALL AROUND THE BASE OF SOIL STOCKPILES.
2. UTILIZE FOR SHEET FLOW ONLY.

DESIGN (CONT)

3. INSTALL ON DOWN STREAM SIDE OF CONSTRUCTION.
4. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
5. IF POSSIBLE LOCATE FENCE 10-FT. FROM TOP OF SLOPE, WETLAND OR WATER BODY.
6. JOIN SECTIONS OF SILT FENCE BY WRAPPING THE ENDS TOGETHER.



APPLICATIONS

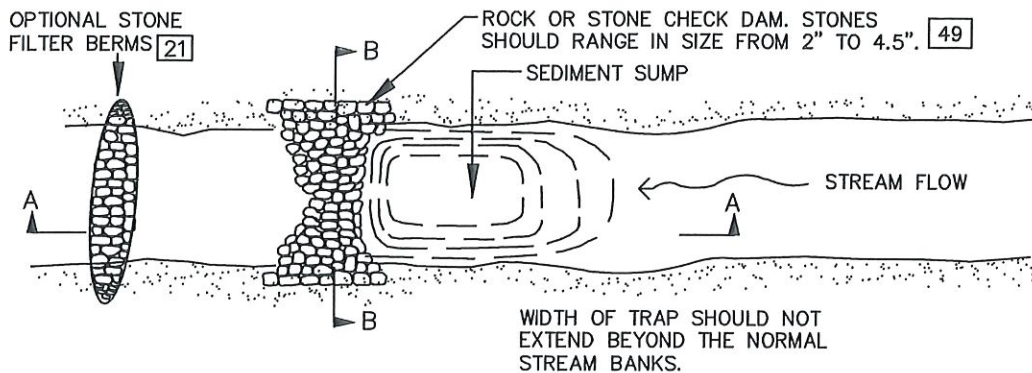
1. ASSISTS IN REMOVING SOIL FROM THE TIRES OF CONSTRUCTION EQUIPMENT/VEHICLES WHEN EXITING THE CONSTRUCTION SITE. THIS REDUCES TRACKING EXCESSIVE SEDIMENT/SOIL ONTO THE ADJACENT ROAD.

DESIGN

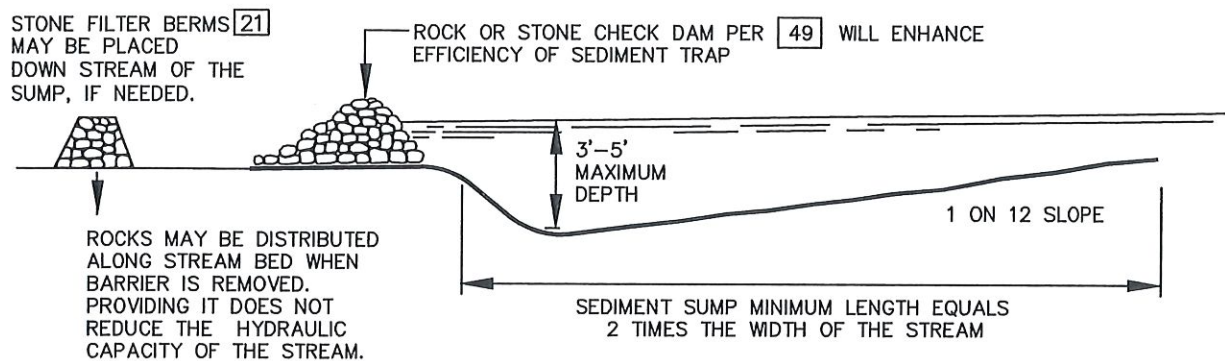
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP

DESIGN (CONT)

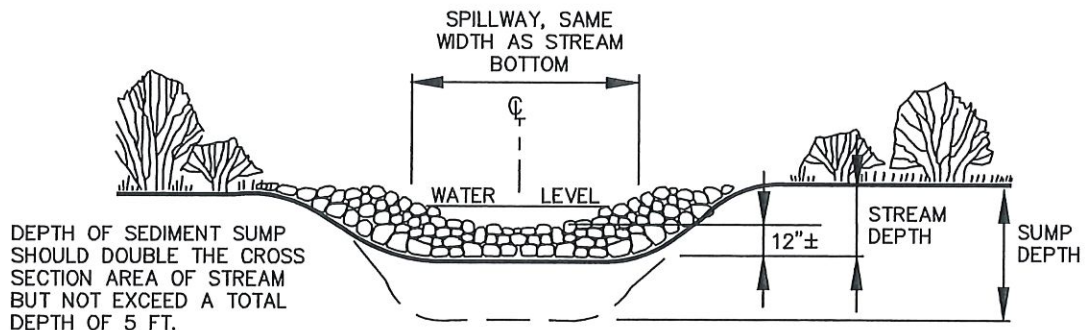
- DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ON PUBLIC RIGHTS-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.



PLAN VIEW



SECTION A - A



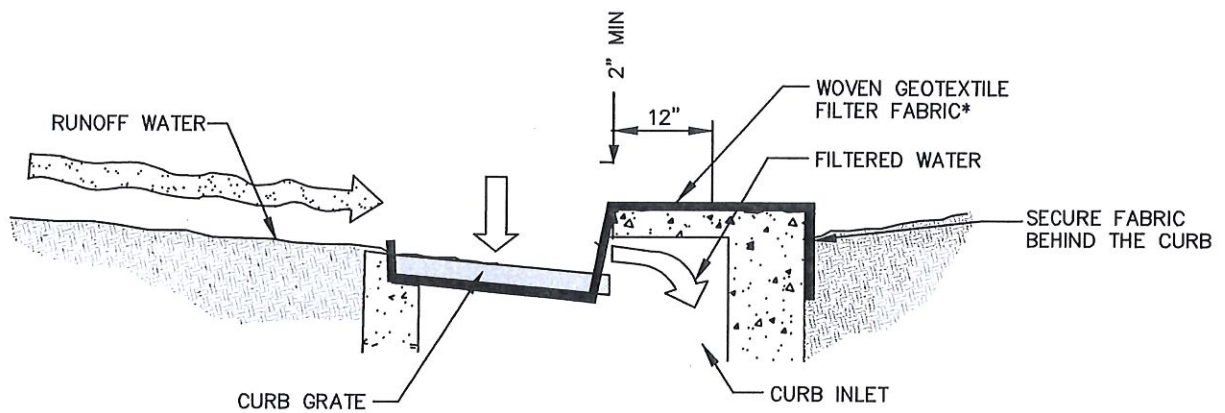
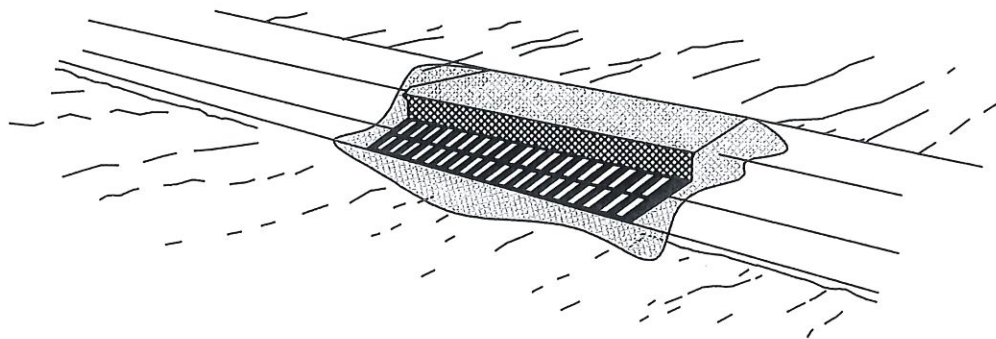
SECTION B - B

APPLICATION

1. FLOWING STREAMS.

DESIGN

1. TRAP DESIGN FOR APPROXIMATELY 170 FT³ OF SEDIMENT.
2. REMOVED SEDIMENT AND RESTORE ORIGINAL CAPACITY WHEN SUMP IS 50% FULL.
3. STONE SHALL BE MAINTAINED AND REPAIRED WHEN DAMAGE OR DISPLACED.
4. WARNING! THIS DEVICE MAY CAUSE FLOODING OF ADJACENT PROPERTY.



APPLICATION

1. INLETS AT CURB OPENINGS.

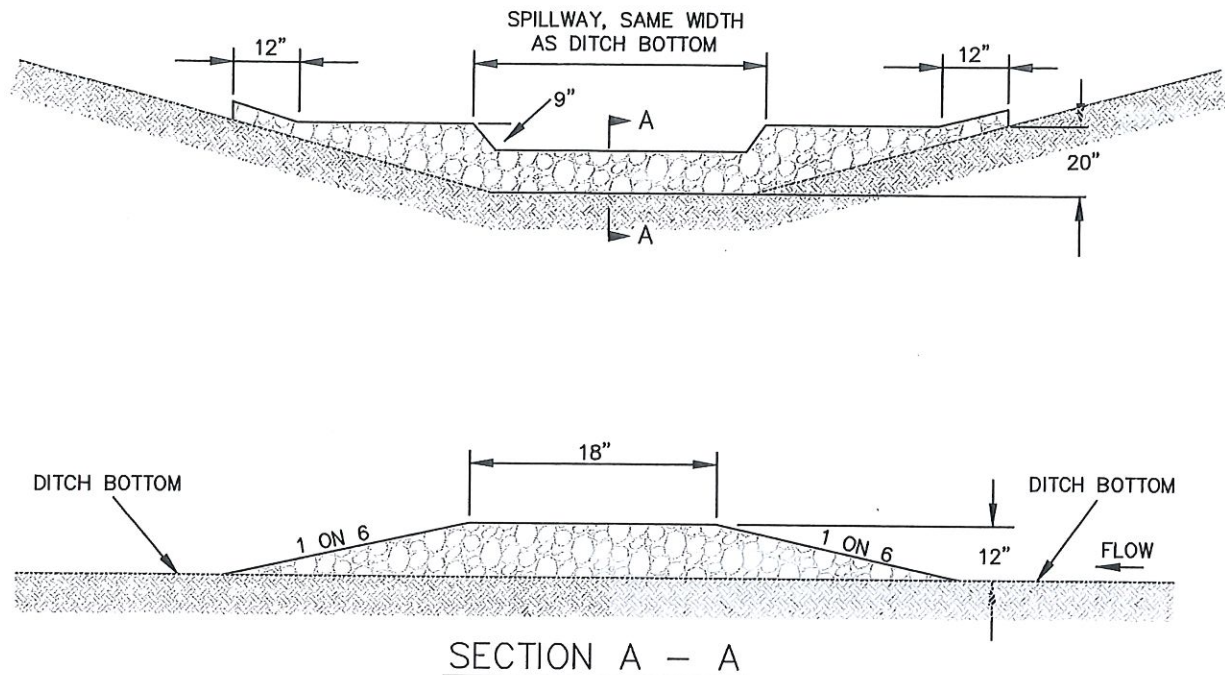
* NOTE *

DO NOT USE SILT FENCE IN LIEU OF
FILTER FABRIC FOR THIS APPLICATION.

DESIGN

1. FILTER BAGS MAY BE PLACED IN THE
CATCH BASIN AS AN ALTERNATE.
2. WARNING! THIS DEVICE MAY CAUSE
FLOODING OF ADJACENT PROPERTIES.
3. SERVICE CLEAN AND REPAIR AFTER
EACH STORM EVENT.

FABRIC FILTER CURB INLET PROTECTION



APPLICATION

1. ACROSS DITCH LINES AND LOW CONCENTRATED FLOW AREAS.

DESIGN

1. CHECK DAM STONES:
2" TO 4" SIZE FOR DITCH GRADE LESS THAN 2%.
3" TO 8" SIZE FOR DITCH GRADES 2% OR GREATER.
2. APPROXIMATELY 90% OF STONE SIZE SHALL BE BETWEEN THE RANGES INDICATED. NO STONES GREATER THAN 8" SHALL BE ALLOWED.
3. SEDIMENT TRAPS MAY BE INSTALLED IMMEDIATELY UP SLOPE TO INCREASE ABILITY TO COLLECT SEDIMENT.
4. IF MULTIPLE CHECK DAMS ARE USED, THE GENERAL GUIDE TO SPACING IS THAT THE CREST OF THE DOWN SLOPE CHECK DAM SHOULD EQUAL THE ELEVATION OF THE TOE OF THE UP SLOPE CHECK DAM.

DESIGN (CONT)

5. CHECK DAMS SHALL BE REMOVED IN THEIR ENTIRETY WHEN THE SOIL IS ADEQUATELY STABILIZED. ANY DAMAGE CAUSED DURING REMOVAL MUST BE REPAIRED. IF DIRECTED BY THE ENGINEER/OWNER, CHECK DAMS MAY BE SPREAD OUT ON THE DITCH LOCATION PROVIDING THAT THE DITCH BOTTOM ELEVATION IS NOT INCREASED BY MORE THAN 6".
6. STONE SHALL BE MONITORED AND REPAIRED WHEN DAMAGED OR DISPLACED.
7. ALTERNATE: A MANUFACTURED BERM CAN INSTALLED IF APPROVED BY WWS. SPACING TO BE PER MANUFACTURER'S RECOMMENDATION.
8. WARNING THIS DEVICE MAY CAUSE FLOODING OF ADJACENT PROPERTY.

240.000 - STANDARD FOR THE CONSTRUCTION OF DRIVEWAYS NOT MAINTAINED AT PUBLIC EXPENSE

Ord. No. 94-004

Adopted: Dec. 18, 1994^[1]

An ordinance to prescribe standards for the construction of driveway for single-family residences.

THE TOWNSHIP BOARD OF THE TOWNSHIP OF ATLAS, GENESEE COUNTY,
ORDAINS:

For the purpose of this ordinance, a driveway is defined as a means of ingress and egress from a road to serve a single principal use. Driveways begin at the edge of a road and proceed onto private property.

240.001 - Minimum standards.

Sec. 1. Whenever a driveway is constructed within the Township, it shall be built to the following minimum standards:

1. A base of at least six inches of crushed limestone.
2. Have a culvert of at least 12 inches in diameter placed in ditch line to County specifications.
3. A driveway shall be at least ten feet in width.
4. All permits required shall be purchased from the County Road Commission, County Drain Commission, and/or the DNR.
5. Any driveway over 500 feet in length will be ten feet in width with a three foot wide crushed limestone shoulder on each side. It will also have either a turnaround at least 16 feet wide and 24 feet deep or a cul-de-sac with a 25 foot radius.
6. Any driveway over 800 feet in length will be constructed with the following requirements:
 - a. It shall be at least ten feet in width.
 - b. It shall have at least six inches of crushed limestone base.
 - c. A dedicated width of 33 feet shall be dedicated for the use as a driveway.

240.002 - Violation.

Sec. 2. Any person who shall violate this Ordinance shall be guilty of a misdemeanor and may be punished by imprisonment of up to 90 days or a fine of up to \$500.00, or both such fine and imprisonment.

EXAMPLE SINGLE FAMILY HOME SITE PLAN

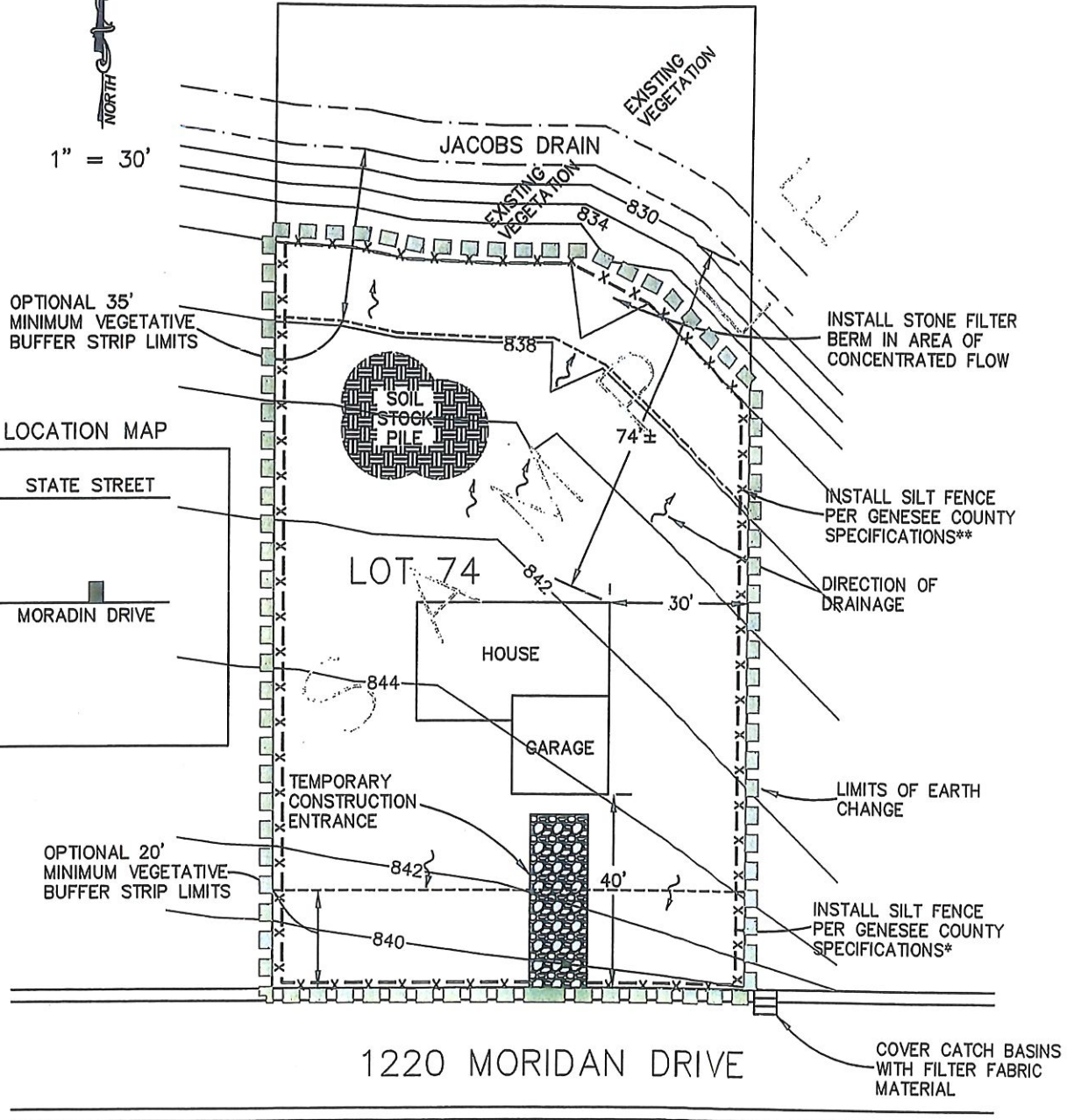
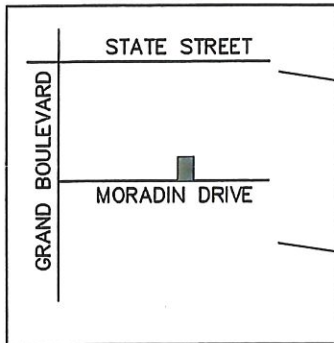
HOUSE PLOT PLAN FOR:
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LOT 74 OF "MORIDAN ACRES" AS
RECORDED IN LIBER 55, PAGES
222-225



OPTIONAL 35'
MINIMUM VEGETATIVE
BUFFER STRIP LIMITS

LOCATION MAP



* SILT FENCE IS NOT NECESSARY SO LONG AS A MINIMUM THICK 20' VEGETATIVE BUFFER STRIP IS MAINTAINED DURING CONSTRUCTION.

** SILT FENCE IS NOT NECESSARY SO LONG AS A MINIMUM THICK 35' VEGETATIVE BUFFER STRIP IS MAINTAINED ALONG ALL WATERS OF THE STATE DURING CONSTRUCTION.

ATLAS TOWNSHIP ZONING & SETBACKS

RA- 3 acre minimum & 185ft. of frontage

Setbacks- 25' side, 50' rear

RSA- 1 acre minimum & 150 ft. of frontage

Setbacks- 10' side, 25' rear

(unless curb & gutter 125 ft. of frontage)

All buildings must be in the rear or side yard setbacks,
none allowed in the front yard, unless a variance is applied
for and approved.

Section line- 90' setback, 100 row

Quarter section- 70' setback, 80 row

Local- 55' setback, 66 row

Minimum dwelling size is 1100 sq. ft. with a minimum of
800 sq. ft. ground floor area and 25% basement area.

NOTE: This is a quick view of the zoning requirements
and setbacks. For a complete and detailed list of all
requirements, please refer to the zoning code.