

POOL PERMIT REQUIREMENTS

- APPLICATION
- HOMEOWNER'S AFFIDAVIT OR CONTRACTOR'S ADDENDUM
- SITE PLAN (SHOWING DISTANCE FROM ALL PROPERTY LINES AND OTHER BUILDINGS) 2 SETS OF PRINTS
- DETAILED MANUFACTURER'S PLANS (SHOP DRAWINGS)
- WALLS HIGHER THAN 48" YOU NEED A REMOVABLE LADDER THAT LOCKS IN UPRIGHT POSITION. NO FENCE NEEDED IF THE WALLS ARE 48" OR HIGHER.
- WALLS LESS THAN 48" (4FT) YOU HAVE TO HAVE A FENCE AROUND YARD OR POOL (4FT).

VILLAGE OF GOODRICH

7338 S STATE ROAD ~ PO BOX 276 ~ GOODRICH, MI 48433 ~ P 510.636.2570 EX 102 ~ F 810.626.8800

POOL PERMIT APPLICATION

HOMEOWNER INFORMATION

DATE OF APPLICATION _____

HOMEOWNER _____

ADDRESS OF PROJECT _____

PHONE # _____

EMAIL ADDRESS _____

CONTRACTOR INFORMATION

COMPANY NAME _____

CONTACT _____

ADDRESS _____

PHONE # _____

EMAIL ADDRESS _____

DISTANCE FROM THE FOLLOWING: _____ HOUSE _____ SIDE LOT LINE _____ REAR
FT FT FT

FENCE HEIGHT _____ (FEET) SELF-LOCKING GATE Y OR N

CONSTRUCTION MATERIAL: ___ VINYL ___ FIBERGLASS ___ CONCRETE/GUNITE

IN-GROUND POOL

IN-GROUND _____ SIZE OF POOL _____ (FEET)

ROUND _____ RECTANGLE _____ OTHER _____ (PLEASE CHECK ONE)

HOW WILL THE IN-GROUND POOL BE ACCESSED: (PLEASE CHECK ALL THAT APPLY)

SLIDING DOOR FROM HOME WITH ALARM _____ DECK _____ GATE FROM YARD _____

ABOVE GROUND POOL

ABOVE GROUND _____ (FEET) WALL HEIGHT _____ (FEET)

SIZE OF POOL _____ (FEET) LINER ML _____

ROUND _____ RECTANGLE _____ OTHER _____ (PLEASE CHECK ONE)

REMOVABLE LADDER Y OR N

**PLEASE REMEMBER TO PULL YOUR STATE ELECTRICAL PERMIT
PLEASE INCLUDE ALL OF THE ABOVE ITEMS ON A PLOT PLAN
YOU WILL ALSO NEED TO TURN IN SHOP DRAWINGS**

Resolution 2022-12

VILLAGE OF GOODRICH BUILDING PERMIT FEES

A. **DWELLING**

House

First Floor \$90 per square foot

Second Floor \$80 per square foot

Garage \$35 per square foot

Porch \$30 per square foot

Any said costs for construction over \$350,000 will be based on the permit fee plus \$3.00 per 1,000 square feet.

B. **ADDITIONS**

1. \$370.00 + \$.10 per square foot

Any residential addition to a dwelling (including: bedroom, bathroom, family room etc.)

2. \$220.00 + \$.10 per square foot

Any residential addition to a dwelling/parcel (including: detached/attached garages, porches, decks etc.)

C. **REMODELING** (minimum permit fee \$225.00)

Where building permits are required for construction that do not involve an addition to, or expansion, of outside walls of the structure, or an increase in the occupied space, or when the construction is less than \$10,000.00.

Any said costs for construction over \$10,000.01 will be based on the minimum permit fee plus \$3.00 per each additional \$1,000.

D. **SHEDS** No building permit is required for a shed under 200 square feet but requires authorization from the Village Zoning Administrator.

E. **ACCESSARY BUILDINGS** \$235.00 + .10 per square foot

F. **SWIMMING POOLS**

Above Ground \$150.00 flat fee

In Ground \$225.00 flat fee

G. **FENCES**

No building permit required for fencing 6 feet and under but requires authorization from the Village Administrator.

H. **COMMERCIAL AND INDUSTRIAL BUILDING PERMIT FEES**

Commercial up to \$500,000.00 \$450.00 + .0050 x building cost \$500,000.01 and over

\$450.00 + .0035 x building cost

PLUS Plan review up to \$500,000.00 (min \$200.00) .0013 x building cost

PLUS Plan review over \$500,000.01 (min \$650.00) .0015 x building cost

I. **MOVING OF STRUCTURES**

Pre-moving application fee and site plan \$150.00
(Building permit and bonds as required)

**ADDENDUM
CONTRACTOR'S INFORMATION**

THIS INFORMATION IS STRICTLY FOR THE CONTRACTOR,
PLEASE DO NOT INCLUDE ANY HOMEOWNER INFORMATION.

Business Name:

Owners Name:

Address:

Contracting Companies Business Phone Number:

Business: _____ Cell: _____

After Hours Contact Person and Cell Number:

Superintendent Name & Cell Number:

Builders License Number:

Federal Employer ID Number or Reason for Exemption:

Workers Comp Insurance Carrier or Reason for Exemption:

MESC Employer Number or Reason for Exemption:

WE MUST HAVE A COPY OF YOUR CURRENT BUILDERS LICENSE

- **Sec. 36-492. – Swimming pools.**

(a) *Permits.* No swimming pool or appurtenances thereto shall be constructed, installed, enlarged, or altered until a permit has been obtained from the village building inspector.

(b) *Fencing.* Every person owning land on which there is located a swimming pool, spa, hot tub, or similar device (belowground or aboveground), which contains 24 inches or more of water in depth at any point, shall erect and maintain thereon a fence or enclosure approved by the building administrator surrounding the device sufficient to make such device inaccessible to small children. Such fence or enclosure, including the gates, shall not be less than four feet or greater than six feet above grade. All gates shall be self-latching with latches placed no less than four feet above grade or otherwise made inaccessible from the outside to small children.

(c) *Location and setbacks.* Swimming pools shall be set back at least ten feet from rear or side yard and 15 feet from any street right-of-way line. Swimming pools, spas, hot tubs and similar devices shall not be located in any front yard.

(d) *Walkways.* All public swimming pools shall have walkways not less than four feet in width extending entirely around the pool.

(Ord. No. 82, § 3.16, eff. 6-25-1991)

APPENDIX G

SWIMMING POOLS, SPAS AND HOT TUBS

SECTION AG101 GENERAL

AG101.1 General. The provisions of this appendix shall control the design and construction of swimming pools, spas and hot tubs installed in or on the lot of a one- and two-family dwelling.

SECTION AG102 DEFINITIONS

AG102.1 General. For the purposes of these requirements, the terms used shall be defined as follows and as set forth in Chapter 2.

ABOVE-GROUND/ON-GROUND POOL. See "Swimming pool."

BARRIER. A fence, wall, building wall or combination thereof which completely surrounds the swimming pool and obstructs access to the swimming pool.

HOT TUB. See "Swimming pool."

IN-GROUND POOL. See "Swimming pool."

RESIDENTIAL. That which is situated on the premises of a detached one- or two-family dwelling or a one-family townhouse not more than three stories in height.

SPA, NONPORTABLE. See "Swimming pool."

SPA, PORTABLE. A nonpermanent structure intended for recreational bathing, in which all controls, water-heating and water-circulating equipment are an integral part of the product.

SWIMMING POOL. Any structure intended for swimming or recreational bathing that contains water over 24 inches (610 mm) deep. This includes in-ground, aboveground and on-ground swimming pools, hot tubs and spas.

SWIMMING POOL, INDOOR. A swimming pool which is totally contained within a structure and surrounded on all four sides by walls of said structure.

SWIMMING POOL, OUTDOOR. Any swimming pool which is not an indoor pool.

SECTION AG103 SWIMMING POOLS

AG103.1 In-ground pools. In-ground pools shall be designed and constructed in conformance with ANSI/NSPI-5 as listed in Section AG107.

AG103.2 Above-ground and on-ground pools. Aboveground and on-ground pools shall be designed and constructed in conformance with ANSI/NSPI-4 as listed in Section AG107.

SECTION AG104 SPAS AND HOT TUBS

AG104.1 Permanently installed spas and hot tubs. Permanently installed spas and hot tubs shall be designed and con-

structed in conformance with ANSI/NSPI-3 as listed in Section AG107.

AG104.2 Portable spas and hot tubs. Portable spas and hot tubs shall be designed and constructed in conformance with ANSI/NSPI-6 as listed in Section AG107.

SECTION AG105 BARRIER REQUIREMENTS

AG105.1 Application. The provisions of this chapter shall control the design of barriers for residential swimming pools, spas and hot tubs. These design controls are intended to provide protection against potential drownings and near-drownings by restricting access to swimming pools, spas and hot tubs.

AG105.2 Outdoor swimming pool. An outdoor swimming pool, including an in-ground, aboveground or on-ground pool, hot tub or spa shall be provided with a barrier which shall comply with the following:

1. The top of the barrier shall be at least 48 inches (1219 mm) above grade measured on the side of the barrier which faces away from the swimming pool. The maximum vertical clearance between grade and the bottom of the barrier shall be 2 inches (51 mm) measured on the side of the barrier which faces away from the swimming pool. Where the top of the pool structure is above grade, such as an aboveground pool, the barrier may be at ground level, such as the pool structure, or mounted on top of the pool structure. Where the barrier is mounted on top of the pool structure, the maximum vertical clearance between the top of the pool structure and the bottom of the barrier shall be 4 inches (102 mm).
2. Openings in the barrier shall not allow passage of a 4-inch-diameter (102 mm) sphere.
3. Solid barriers which do not have openings, such as a masonry or stone wall, shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints.
4. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is less than 45 inches (1143 mm), the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed 1.75 inches (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1.75 inches (44 mm) in width.
5. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is 45 inches (1143 mm) or more, spacing between vertical members shall not exceed 4 inches (102 mm). Where there are decorative cutouts

ADMINISTRATION

SECTION R105
PERMITS

R105.1 Required. Any owner or authorized agent who intends to construct, enlarge, alter, repair, move, demolish, or change the occupancy of a building or structure, or to erect, install, enlarge, alter, repair, remove, convert or replace any electrical, gas, mechanical or plumbing system, the installation of which is regulated by this code, or to cause any such work to be done, shall first make application to the building official and obtain the required permit.

R105.2 Work exempt from permit. Exemption from the permit requirements of the code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of the code or any other laws or ordinances of this jurisdiction. Permits are not required for any of the following:

(a) Building permits shall not be required for any of the following:

- (i) One-story detached accessory structures, if the floor area does not exceed 200 square feet (18.58 m²).
- (ii) A fence that is not more than 6 feet (1829 mm) high.
- (iii) A retaining wall that is not more than 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge.
- (iv) A water tank supported directly upon grade if the capacity is not more than 5,000 gallons (18 927 L) and the ratio of height to diameter or width is not greater than 2 to 1.
- (v) A sidewalk or driveway that is not more than 30 inches (762 mm) above adjacent grade and is not over any basement or story below.
- (vi) Painting, papering, tiling, carpeting, cabinets, counter tops, and similar finish work.
- (vii) A prefabricated swimming pool that is less than 24 inches (610 mm) deep.
- (viii) Swings and other playground equipment accessory to a 1- or 2-family dwelling.
- (ix) Window awnings supported by an exterior wall.

(b) Electrical permits shall not be required for any of the following:

Repairs and maintenance: A permit is not required for minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles.

(c) Mechanical permits shall not be required for any of the following:

- (i) Portable heating, cooking, or clothes drying appliances.
- (ii) Replacement of any minor part that does not alter approval of equipment or make the equipment unsafe.
- (iii) A portable heating appliance.
- (iv) A portable ventilation appliance.
- (v) A portable cooling unit.

(vi) Steam, hot or chilled water piping within any heating or cooling equipment regulated by the code.

(vii) Replacement of any minor part that does not alter approval of equipment or make the equipment unsafe.

(viii) A portable evaporative cooler.

(ix) A self-contained portable refrigeration unit that is not more than 1.5 horsepower (1119 W).

(d) Plumbing permits shall not be required for any of the following:

The stopping of leaks in drains, water, soil, waste or vent pipe; if any concealed trap, drainpipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, then the work is considered as new work and a permit shall be obtained and inspection made as provided in the code.

The clearing of stoppages or the repairing of leaks in pipes, valves, or fixtures, and the removal and reinstallation of water closets, if the repairs do not involve or require the replacement or rearrangement of valves, pipes, or fixtures.

R 408.30505

R105.2.1 Emergency repairs. Where equipment replacements and repairs must be performed in an emergency situation, the permit application shall be submitted within the next working business day to the building official.

R105.2.2 Repairs. Application or notice to the building official is not required for ordinary repairs to structures, replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles. Such repairs shall not include the cutting away of any wall, partition or portion thereof, the removal or cutting of any structural beam or load bearing support, or the removal or change of any required means of egress, or rearrangement of parts of a structure affecting the egress requirements; nor shall ordinary repairs include addition to, alteration of, replacement or relocation of any, water supply, sewer, drainage, drain leader, gas, soil, waste, vent or similar piping, electric wiring or mechanical or other work affecting public health or general safety.

R105.2.3 Public service agencies. A permit shall not be required for the installation, alteration or repair of generation, transmission, distribution, metering or other related equipment that is under the ownership and control of public service agencies by established right.

R105.3 Application for permit. To obtain a permit, the applicant shall first file an application therefor in writing on a form furnished by the department of building safety for that purpose. Such application shall:

1. Identify and describe the work to be covered by the permit for which application is made.
2. Describe the land on which the proposed work is to be done by legal description, street address or similar description that will readily identify and definitely locate the proposed building or work.

3. Indicate the use and occupancy for which the proposed work is intended.
4. Be accompanied by construction documents and other information as required in Section R106.1.
5. State the valuation of the proposed work.
6. Be signed by the applicant, or the applicant's authorized agent.
7. Give such other data and information as required by the building official.

R105.3.1 Action on application. The building official shall examine or cause to be examined applications for permits and amendments thereto within a reasonable time after filing. If the application or the construction documents do not conform to the requirements of pertinent laws, the building official shall reject such application in writing, stating the reasons therefor. If the building official is satisfied that the proposed work conforms to the requirements of this code and laws and ordinances applicable thereto, the building official shall issue a permit therefor as soon as practicable.

R105.3.1.1 Substantially improved or substantially damaged existing buildings and structures. For applications for reconstruction, rehabilitation, addition, or other improvement of existing buildings or structures located in an area prone to flooding as established by Table R301.2(1), the building official shall examine or cause to be examined the construction documents and shall prepare a finding with regard to the value of the proposed work. For buildings that have sustained damage of any origin, the value of the proposed work shall include the cost to repair the building or structure to its predamage condition. If the building official finds that the value of proposed work equals or exceeds 50 percent of the market value of the building or structure, the finding shall be provided to the board of appeals for a determination of substantial improvement or substantial damage. Applications determined by the board of appeals to constitute substantial improvement or substantial damage shall meet the requirements of Section R327.

R105.3.2 Time limitation of application. An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 180 days each. The extension shall be requested in writing and justifiable cause demonstrated.

R105.4 Validity of permit. The issuance or granting of a permit shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this code or of any other ordinance of the jurisdiction. Permits presuming to give authority to violate or cancel the provisions of this code or other ordinances of the jurisdiction shall not be valid. The issuance of a permit based on construction documents and other data shall not prevent the building official from requiring the correction of errors in the construction documents and other data. The building official is also authorized to prevent occupancy or use of a structure where in violation of this code or of any other ordinances of this jurisdiction.

R105.5 Expiration. Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. The building official is authorized to grant, in writing, one or more extensions of time, for periods not more than 180 days each. The extension shall be requested in writing and justifiable cause demonstrated.

R105.6 Suspension or revocation. The building official is authorized to suspend or revoke a permit issued under the provisions of this code wherever the permit is issued in error or on the basis of incorrect, inaccurate or incomplete information, or in violation of any ordinance or regulation or any of the provisions of this code.

R105.7 Placement of permit. The building permit or copy thereof shall be kept on the site of the work until the completion of the project.

R105.8 Responsibility. It shall be the duty of every person who performs work for the installation or repair of building, structure, electrical, gas, mechanical or plumbing systems, for which this code is applicable, to comply with this code.

SECTION R106 CONSTRUCTION DOCUMENTS

R106.1 Submittal documents. Construction documents, special inspection and structural program and other data shall be submitted in 1 or more sets with each application for a permit. The construction documents shall be prepared by or under the direct supervision of a registered design professional when required by article 20 of 1980 PA 299, MCL 339.101 et seq. and known as the Michigan occupational code. Where special conditions exist, the building official is authorized to require additional construction documents to be prepared by a registered design professional.

R 408.30506

R106.1.1 Information on construction documents. Construction documents shall be drawn upon suitable material. Electronic media documents are permitted to be submitted when approved by the building official. Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations, as determined by the building official.

R106.1.2 Manufacturer's installation instructions. Manufacturer's installation instructions, as required by this code, shall be available on the job site at the time of inspection.

R106.1.3 Information for construction in areas prone to flooding. For buildings and structures in flood hazard areas as established by Table R301.2(1), construction documents shall include:

1. Delineation of flood hazard areas, floodway boundaries, and flood zones, and the design flood elevation, as appropriate;

within vertical members, spacing within the cutouts shall not exceed 1.75 inches (44 mm) in width.

6. Maximum mesh size for chain link fences shall be a 1.25-inch (32 mm) square unless the fence is provided with slats fastened at the top or the bottom which reduce the openings to not more than 1.75 inches (44 mm).
7. Where the barrier is composed of diagonal members, such as a lattice fence, the maximum opening formed by the diagonal members shall not be more than 1.75 inches (44 mm).
8. Access gates shall comply with the requirements of Section AG105.2, Items 1 through 7, and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outward away from the pool and shall be self-closing and have a self-latching device. Gates other than pedestrian access gates shall have a self-latching device. Where the release mechanism of the self-latching device is located less than 54 inches (1372 mm) from the bottom of the gate, the release mechanism and openings shall comply with the following:
 - 8.1. The release mechanism shall be located on the pool side of the gate at least 3 inches (76 mm) below the top of the gate, and
 - 8.2. The gate and barrier shall have no opening greater than 0.5 inch (12.7 mm) within 18 inches (457 mm) of the release mechanism.
9. Where a wall of a dwelling serves as part of the barrier one of the following conditions shall be met:
 - 9.1. The pool shall be equipped with a powered safety cover in compliance with ASTM F1346; or
 - 9.2. All doors with direct access to the pool through that wall shall be equipped with an alarm which produces an audible warning when the door and its screen, if present, are opened. The alarm shall sound continuously for a minimum of 30 seconds immediately after the door is opened and be capable of being heard throughout the house during normal household activities. The alarm shall automatically reset under all conditions. The alarm system shall be equipped with a manual means, such as touchpad or switch, to temporarily deactivate the alarm for a single opening. Such deactivation shall last for not more than 15 seconds. The deactivation switch(es) shall be located at least 54 inches (1372 mm) above the threshold of the door; or
 - 9.3. Other means of protection, such as self-closing doors with self-latching devices, which are approved by the governing body, shall be acceptable so long as the degree of protection afforded is not less than the protection afforded by Item 9.1 or 9.2 described above.
10. Where an aboveground pool structure is used as a barrier or where the barrier is mounted on top of the pool

structure, and the means of access is a ladder or steps, then:

- 10.1. The ladder or steps shall be capable of being secured, locked or removed to prevent access, or
- 10.2. The ladder or steps shall be surrounded by a barrier which meets the requirements of Section AG105.2, Items 1 through 9. When the ladder or steps are secured, locked or removed, any opening created shall not allow the passage of a 4-inch-diameter (102 mm) sphere.

AG105.3 Indoor swimming pool. All walls surrounding an indoor swimming pool shall comply with Section AG105.2, Item 9.

AG105.4 Prohibited locations. Barriers shall be located so as to prohibit permanent structures, equipment or similar objects from being used to climb the barriers.

AG105.5 Barrier exceptions. Spas or hot tubs with a safety cover which complies with ASTM F 1346, as listed in Section AG107, shall be exempt from the provisions of this appendix.

SECTION AG106 ABBREVIATIONS

AG106.1 General.

ANSI—American National Standards Institute
25 West 43rd Street, New York, NY 10036

ASTM—American Society for Testing and Materials
1916 Race Street, Philadelphia, PA 19103

NSPI—National Spa and Pool Institute
2111 Eisenhower Avenue, Alexandria, VA 22314

SECTION AG107 STANDARDS

AG107.1 General.

ANSI/NSPI

ANSI/NSPI-3 Standard for Permanently Installed Residential Spas AG104.1

ANSI/NSPI-4 Standard for Above-ground/On-ground Residential Swimming Pools. AG103.2

ANSI/NSPI-5 Standard for Residential In-ground Swimming Pools AG103.1

ANSI/NSPI-6 Standard for Residential Portable Spas AG104.2

ASTM

ASTM F 1346-91 Standard Performance Specifications for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas and Hot Tubs AG105.2, AG105.3

Electrical Permit Application
Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
P.O. Box 30255, Lansing, MI 48909
517-241-9313
www.michigan.gov/bcc

101

E 2013 E

Authority: 1972 PA 230 Penalty: Failure to provide information may result in denial of your request.	LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
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I. Project or Facility Information

NAME OF OWNER/AGENT/SCHOOL/STATE DEPT.		HAS A BUILDING PERMIT BEEN OBTAINED FOR THIS PROJECT?	
		☐ Yes ☐ No ☐ Not required	
STREET ADDRESS AND JOB LOCATION (Street Number and Name)	CITY	ZIP CODE	COUNTY
NAME OF CITY, VILLAGE OR TOWNSHIP IN WHICH JOB IS LOCATED			
☐ City ☐ Village ☐ Township OF:			

II. Applicant/Facility Contact Information

INDICATE WHO THE APPLICANT IS		NAME		STATE LICENSE NUMBER		EXPIRATION DATE	
☐ Licensee ☐ Owner							
ADDRESS (Street Number and Name)				STATE REGISTRATION NUMBER		EXPIRATION DATE	
CITY		STATE	ZIP CODE	E-MAIL			
TELEPHONE NUMBER (Include Area Code)				FEDERAL EMPLOYER ID NUMBER (or reason for exemption)			
WORKERS COMPENSATION INSURANCE CARRIER (or reason for exemption)				UIA NUMBER (or reason for exemption)			

III. Type of Job

☐ Single Family	☐ New	☐ Service Only	☐ Premanufactured Home Setup (State Approved)	☐ State Owned
☐ Other	☐ Alteration	☐ Special Inspection	☐ Manufactured Home Setup (HUD Mobile Home)	☐ School

IV. Plan Review Information

Plans must be submitted with an Application for Plan Examination and the appropriate deposit before a permit can be issued, except as listed below.

Plans are not required for the following:

1. When the electrical system rating does not exceed 400 amps and the building is not over 3,500 square feet in area.
2. Work completed by a governmental subdivision or state agency costing less than \$15,000.00.

If work being performed is described above, check box below "Plans Not Required."

What is the rating of the service or feeder in ampere? _____

What is the building size in square footage? _____

Plans are required for all other building types and shall be prepared by or under the direct supervision of an architect or engineer licensed pursuant to 1980 PA 299 and shall bear that architect's or engineer's seal and signature.

BCC Plan Review Project No. _____ ☐ Plans Not Required

V. Applicant Signature

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.	
SIGNATURE OF LICENSEE OR OWNER	DATE

Complete Application on Back Side

Item #17, Mobile Home Unit Site:

When installing a site service in a park, the permit application must include the application fee, service, the number of park sites and a final inspection. When setting a HUD mobile home in a park, a permit must include the application fee, service, feeder and a final inspection. These shall be done by a licensed electrical contractor. When setting a HUD mobile home or a premanufactured home on private property, a permit must include the application fee, service, feeder and a final inspection.

	Fee	# Items	Total		Fee	# Items	Total
1. Application Fee (non-refundable)	\$75.00	1	\$75.00	K.V.A., H. P., Wind Turbines, ***EVSE and ****PV Modules			
Service				19. Units up to 20 K.V.A. or H.P./Per PV Module	\$6.00		
2. Through 200 Amp.	\$10.00			20. Units 21 to 50 K.V.A. or H.P./Per PV Module	\$10.00		
3. Over 200 Amp. thru 600 Amp.	\$15.00			21. Units > 50 K.V.A. or H.P. /Per PV Module	\$12.00		
4. Over 600 Amp. thru 800 Amp.	\$20.00			Fire Alarm Systems (not smoke detectors)			
5. Over 800 Amp. thru 1200 Amp.	\$25.00			22. Up to 10 devices	\$50.00		
6. Over 1200 Amp. (GFI only)	\$50.00			23. 11 to 20 devices	\$100.00		
7. Circuits	\$5.00			24. Over 20 devices	\$5.00 ea.		
8. Lighting Fixtures/Outlets - per 25	\$6.00			Data / Telecommunication Outlets			
9. Dishwasher	\$5.00			31. 1 - 19 devices	\$5.00 ea.		
10. Furnace - Unit Heater	\$5.00			32. 20 - 300 devices	\$100.00		
11. Electrical - Heating Units (baseboard)	\$4.00			33. Over 300 devices	\$300.00		
12. Power Outlets (ranges, dryers, etc.)	\$7.00			Energy Management Temp. Control			
Signs				25. Energy Retrofit - Temp. Control	\$45.00		
13. Unit	\$10.00			34. Devices - Energy Management	\$5.00 ea.		
14. Letter (each)	\$15.00			26. Conduit only or grounding only	\$45.00		
15. Neon - each 25 feet	\$20.00			Inspections			
16. Feeders-Bus Ducts, etc. - per 50'	\$6.00			27. Special Insp. (pertaining to sale of building) (does not include an electrical service inspection)	\$75.00		
17. Mobile Home Park Site*	\$6.00			28. Rough/Additional Inspection	\$75.00		
18. Recreational Vehicle Park Site	\$4.00			29. Final Inspection	\$75.00	1	\$75.00
				30. Certification Fee**	\$30.00		

* See VII. Fee Schedule Item #17 above

** Required for all school and state-owned construction projects

*** EVSE - Electrical Vehicle Supply Equipment

**** PV Modules - Photovoltaic

NOTE: Under special circumstances the bureau will assess an hourly fee for inspection services at a rate of \$75.00 per hour.

Total Fee (Must include the \$75 non-refundable application and \$75 final inspection fees.)

VIII. Instructions for Completing Application**Make checks payable to "State of Michigan"**

General: Electrical work shall not be started until the application for permit has been filed with the Bureau of Construction Codes. All installations shall be in conformance with the Michigan Electrical Code. **No work shall be concealed until it has been inspected.** The telephone number for the inspector will be provided on the permit form. When ready for an inspection, call the inspector providing as much advance notice as possible. The inspector will need the job location and permit number. **Schedule permitting, an inspector will respond to an inspection request within 2 business days to schedule the inspection. The inspector will typically perform the inspection within 5 business days as his or her schedule permits.**

Expiration of Permit: A permit remains valid as long as work is progressing and inspections are requested and conducted. A permit shall become invalid if the authorized work is not commenced within six months after issuance of the permit or if the authorized work is suspended or abandoned for a period of six months after the time of commencing the work. **A PERMIT WILL BE CLOSED WHEN NO INSPECTIONS ARE REQUESTED AND CONDUCTED WITHIN 180 DAYS OF THE DATE OF ISSUANCE OR THE DATE OF A PREVIOUS INSPECTION. CLOSED PERMITS CANNOT BE REFUNDED. THE CHARGE TO RE-OPEN A CLOSED PERMIT IS \$75.00.**

Where to Submit Application: The Bureau of Construction Codes is responsible for code enforcement in units of government throughout the state which have no local program and for all state owned buildings as well as public and charter school construction where a local delegation of authority does not exist. Permit applications for state issued permits should be sent to the address on the front of this application. If you are not sure whether a state permit or a local permit is appropriate, contact our office or your local building inspector. Questions regarding state issued permits may be directed to the Office of Management Services, Permit Section at 517-241-9313. Code questions may be directed to the Electrical Division at 517-241-9320 or bccelec@michigan.gov.

VALIDATION AREA

Mechanical Permit Application
Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
P.O. Box 30255, Lansing, MI 48909
517-241-9313
www.michigan.gov/bcc

125

M 2013 M

Authority: 1972 PA 230 Penalty: Failure to provide information may result in denial of your request.	LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
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I. Project or Facility Information

NAME OF OWNER/AGENT/SCHOOL/STATE DEPT.		HAS A BUILDING PERMIT BEEN OBTAINED FOR THIS PROJECT?	
		☐ Yes ☐ No ☐ Not required	
STREET ADDRESS AND JOB LOCATION (Street Number and Name)	CITY	ZIP CODE	COUNTY
NAME OF CITY, VILLAGE OR TOWNSHIP IN WHICH JOB IS LOCATED			
☐ City ☐ Village ☐ Township OF:			

II. Applicant/Facility Contact Information

INDICATE APPLICANT ☐ Licensee ☐ Owner	NAME OF OWNER/LICENSEE	COMPANY NAME	LICENSE NUMBER	EXPIRATION DATE
ADDRESS (Street Number and Name)		CITY	STATE	ZIP CODE
TELEPHONE NUMBER (Include Area Code)		E-MAIL ADDRESS		
FEDERAL EMPLOYER ID NUMBER (or reason for exemption)				
WORKERS COMPENSATION INSURANCE CARRIER (or reason for exemption)		UIA NUMBER (or reason for exemption)		

III. Type of Job

☐ Single Family	☐ New	☐ Special Inspection	☐ State Owned
☐ Other	☐ Alteration	☐ Premanufactured Home Setup (State Approved)	☐ School
☐ Manufactured Home Setup (HUD Mobile Home)			

IV. Plan Review Information

Plans must be submitted with an Application for Plan Examination and the appropriate deposit before a permit can be issued, except as listed below.

Plans are not required for the following:

1. One- and two-family dwellings when the total building heating/cooling system input rating is 375,000 Btu's or less.
2. Alterations and repair work determined by the mechanical official to be of a minor nature.
3. Business, mercantile, and storage buildings having HVAC equipment only, with one fire area and not more than 3,500 square feet.
4. Work completed by a governmental subdivision or state agency costing less than \$15,000.00.

If work being performed is described above, check box below "Plans Not Required."

What is the building size in square footage? _____
What is the input rating of the heating system in this building? _____

Plans are required for all other building types and shall be prepared by or under the direct supervision of an architect or engineer licensed pursuant to 1980 PA 299 and shall bear that architect's or engineer's seal and signature.

BCC Plan Review Project No. _____ ☐ Plans Not Required

V. Applicant Signature

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.

SIGNATURE OF CONTRACTOR OR OWNER	DATE
----------------------------------	------

VII. Fee Schedule

125

Item #2, Residential Heating System: This item is used for the installation of a heating system in a new residential structure. Items #10 Gas Piping and #18 Duct need not be added. Replacement systems should be itemized.

	Fee	# of Items	Total		Fee	# of Items	Total
1. Application Fee (non-refundable)	\$75.00	1	\$75.00	43. Exhausters (commercial)	\$15.00		
2. Residential Heating System (includes duct & pipe) New Building Only*	\$50.00			18. Duct - minimim fee \$25.00	\$.10 /ft		
3. Gas/Oil Burning Equipment (furnance, roof top units, generators)	\$30.00			19. Heat Pumps; Commercial (pipe not included)	\$20.00		
4. Boiler	\$30.00			Air Handlers/Heat Wheels			
5. Water Heater (gas piping & venting-direct replacement only)	\$5.00			20. Under 10,000 CFM	\$20.00		
6. Damper (control, back-draft, barometric or fire/smoke)	\$5.00			21. Over 10,000 CFM	\$60.00		
7. Solid Fuel Equipment (includes chimney)	\$30.00			22. Commercial Hoods	\$15.00		
8. Chimney, factory built (installed separately), B Vent, PVC Venting	\$25.00			23. Heat Recovery Units	\$10.00		
37. Gas Burning Fireplace	\$30.00			24. V.A.V. Boxes (all variable volume or zone damper equipment)	\$10.00		
9. Solar; set of 3 panels-fluid transfer (includes piping)	\$20.00			25. Unit Ventilators/PTAC Units	\$10.00		
10. Gas Piping; each opening-new install (residential)	\$5.00			26. Unit Heaters (terminal units)	\$15.00		
11. Air Conditioning (incl. split systems) RTU-Cooling Only	\$30.00			27. Fire Suppression/Protection (includes piping)-minimum fee \$20.00	\$.75 / head		
12. Heat Pumps (split systems) or Geothermal (complete residential)	\$30.00			28. Coils (Heat/Cool)	\$30.00		
13. Dryer, Bath & Kitchen Exhaust (residential ducting not included)	\$5.00			29. Refrigeration (split system)	\$30.00		
16. Humidifiers/Air Cleaners	\$10.00			Chiller/Cooling Towers			
Tanks				30. Chiller-Refrigeration	\$30.00		
14. Aboveground (other than L.P.)	\$20.00			44. Chiller-Air Conditioning	\$30.00		
38. Aboveground Connection	\$20.00			31. Cooling Towers-Refrigeration	\$30.00		
15. Underground (other than L.P.)	\$25.00			45. Cooling Towers-Air Conditioning	\$30.00		
39. Underground Connection	\$25.00			32. Compressor/Condenser	\$30.00		
Piping (ALL piping-minimum fee \$25.00)				Inspections			
17. Fuel Gas Piping	\$.05 /ft			33. Special Insp. (pertaining to sale of bldg.)	\$75.00		
40. Process Piping	\$.05 /ft			34. Rough/Additional Inspection	\$75.00		
41. Hydronic Piping	\$.05 /ft			35. Final Inspection	\$75.00	1	\$75.00
42. Refrigeration Piping	\$.05 /ft			36. Certification Fee	\$30.00		
46. Commercial Air Conditioning Piping	\$.05 /ft						

*See VII. Fee Schedule Item #2 above

NOTE: Under special circumstances the bureau will assess an hourly fee for inspection services at a rate of \$75.00 per hour.

Total Fee (Must include the \$75 non-refundable application and \$75 final inspection fees)

Make checks payable to "State of Michigan"

VIII. Instructions for Completing Application

General: Mechanical work shall not be started until the application for permit has been filed with the Bureau of Construction Codes. All installations shall be in conformance with the Michigan Mechanical Code. No work shall be concealed until it has been inspected. The telephone number for the inspector will be provided on the permit form. When ready for an inspection, call the inspector providing as much advance notice as possible. The inspector will need the job location and permit number. *Schedule permitting, an inspector will respond to an inspection request within 2 business days to schedule the inspection. The inspector will typically perform the inspection within 5 business days as his or her schedule permits.*

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Where to Submit Application: The Bureau of Construction Codes is responsible for code enforcement in units of government throughout the state which have no local program and for all state owned buildings as well as public and charter school construction where a local delegation of authority does not exist. Permit applications for state issued permits should be sent to the address on the front of this application. If you are not sure whether a state permit or a local permit is appropriate, contact our office or your local building inspector. Questions regarding state issued permits may be directed to the Office of Management Services, Permit Section at 517-241-9313. Code questions may be directed to the Mechanical Division at 517-241-9325 or by email at bccmech@michigan.gov.

Validation Area



G-4610 Beecher Road Flint, MI 48532
 Phone (810) 732-7870 Fax (810) 732-9773
www.gcdcwws.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** (The Designated Agent shall complete this section unless the work is being performed by the Landowner*)

☐ Landowner ☐ Designated Agent		NAME:	EMAIL:
ADDRESS:			
CITY:	STATE:	ZIP:	PHONE:

2. LOCATION

SECTION	Township - T__N	☐ CITY ☐ TOWNSHIP ☐ VILLAGE	PROPERTY TAX ID #
	Range - R__E		
SUBDIVISION:	LOT #	STREET ADDRESS:	

3. PROPOSED EARTH CHANGE

Project Type: Residential ☐ Industrial ☐ Multi-Family ☐ Land Balancing ☐ Commercial ☐			
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

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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

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 EGLE 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: _____

E-mail address of Party Preparing Checklist: _____

Signature: _____ Date: _____

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

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)

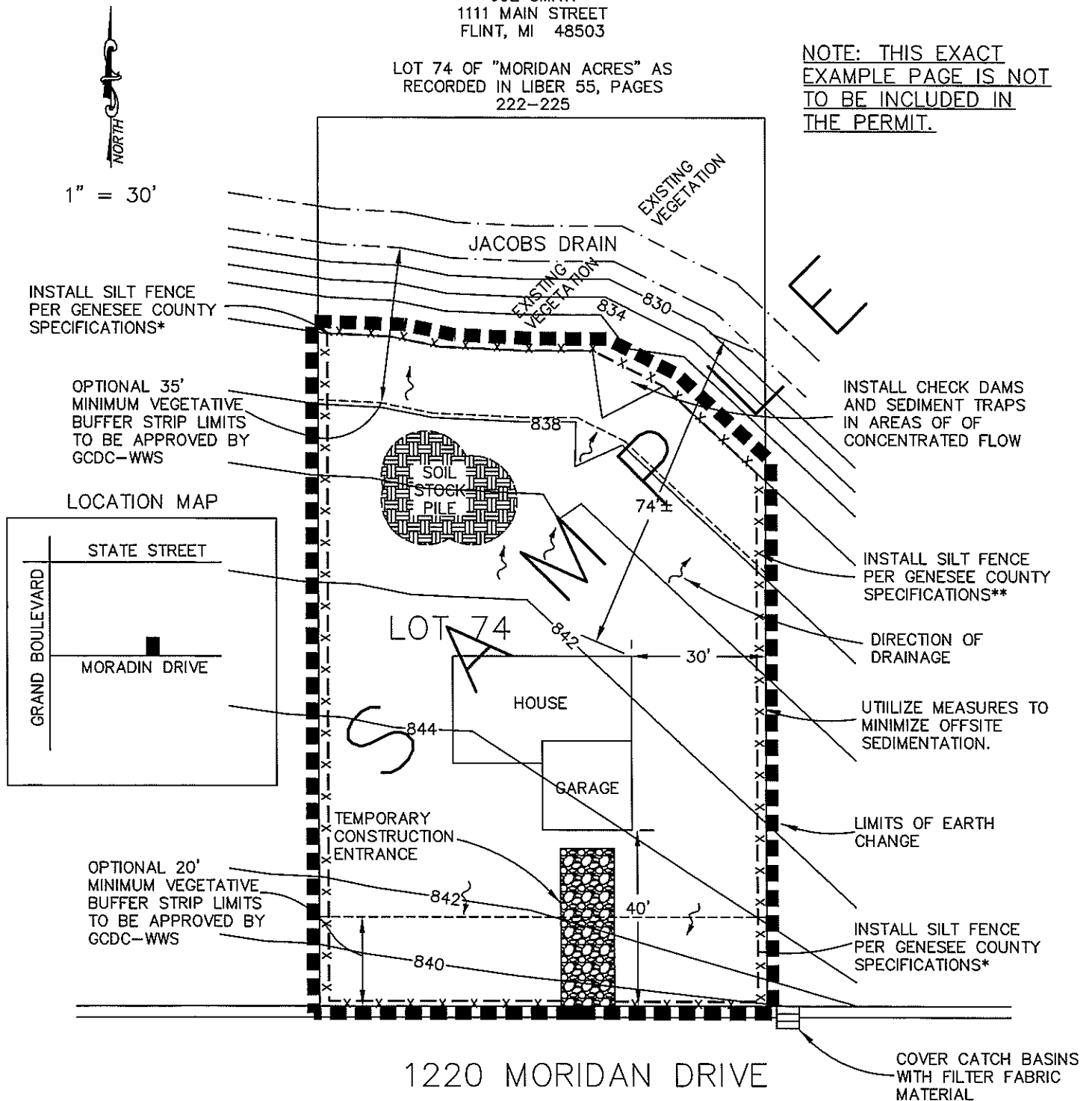
Area on Plan	Quantity	Common Name	Scientific Name	Drainage Class	Notes

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

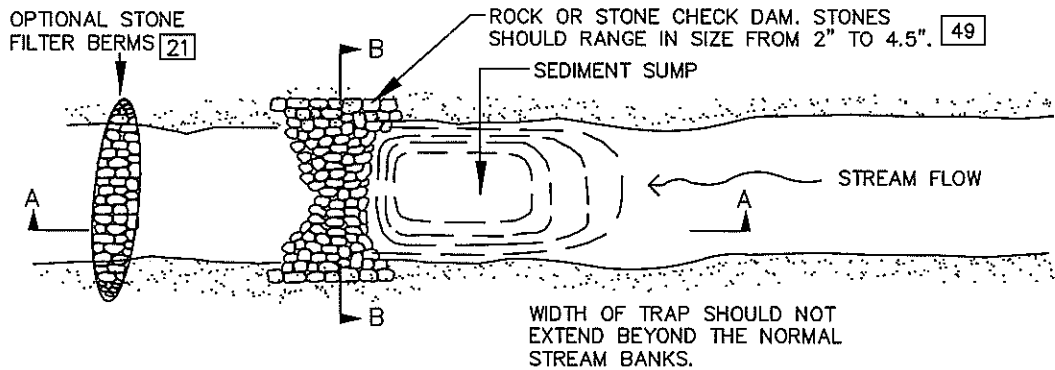
NOTE: THIS EXACT
EXAMPLE PAGE IS NOT
TO BE INCLUDED IN
THE PERMIT.



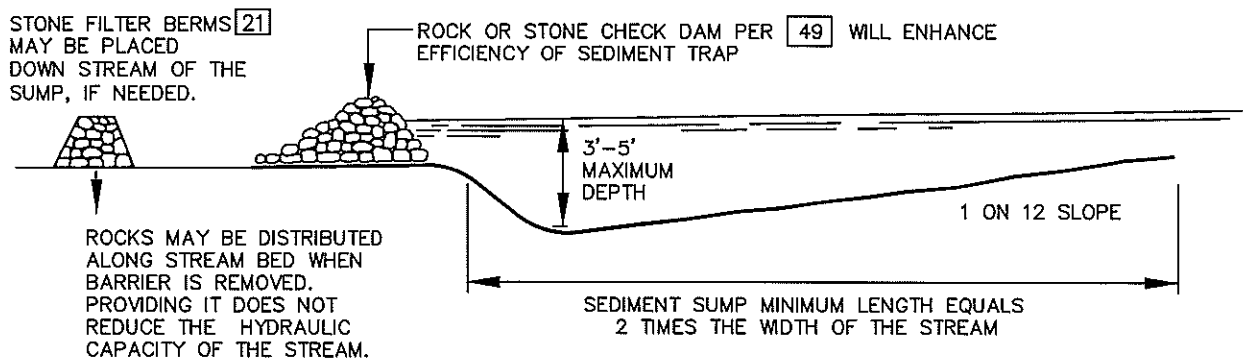
* SILT FENCE IS NOT NECESSARY SO LONG AS A MINIMUM THICK 20' VEGETATIVE BUFFER STRIP IS MAINTAINED DURING CONSTRUCTION.

** 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.

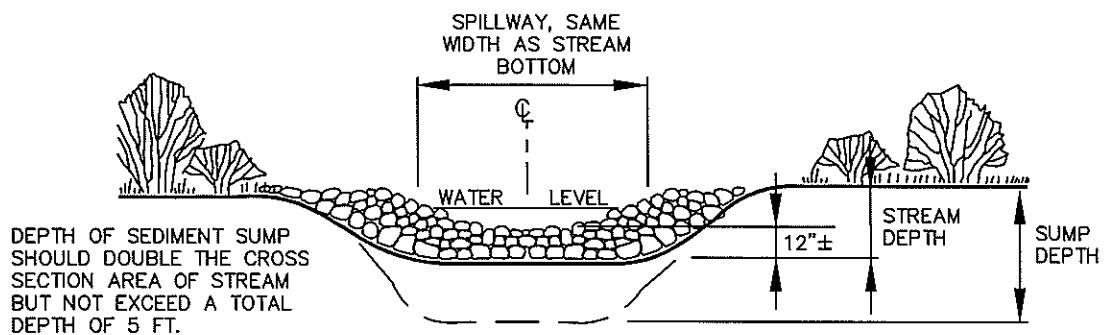
NOTE: THE WIDTH OF THE VEGETATIVE BUFFER STRIPS WILL BE MODIFIED PER ON-SITE CONDITIONS AND BE APPROVED BY GCDC-WWS.



PLAN VIEW



SECTION A - A



SECTION B - B

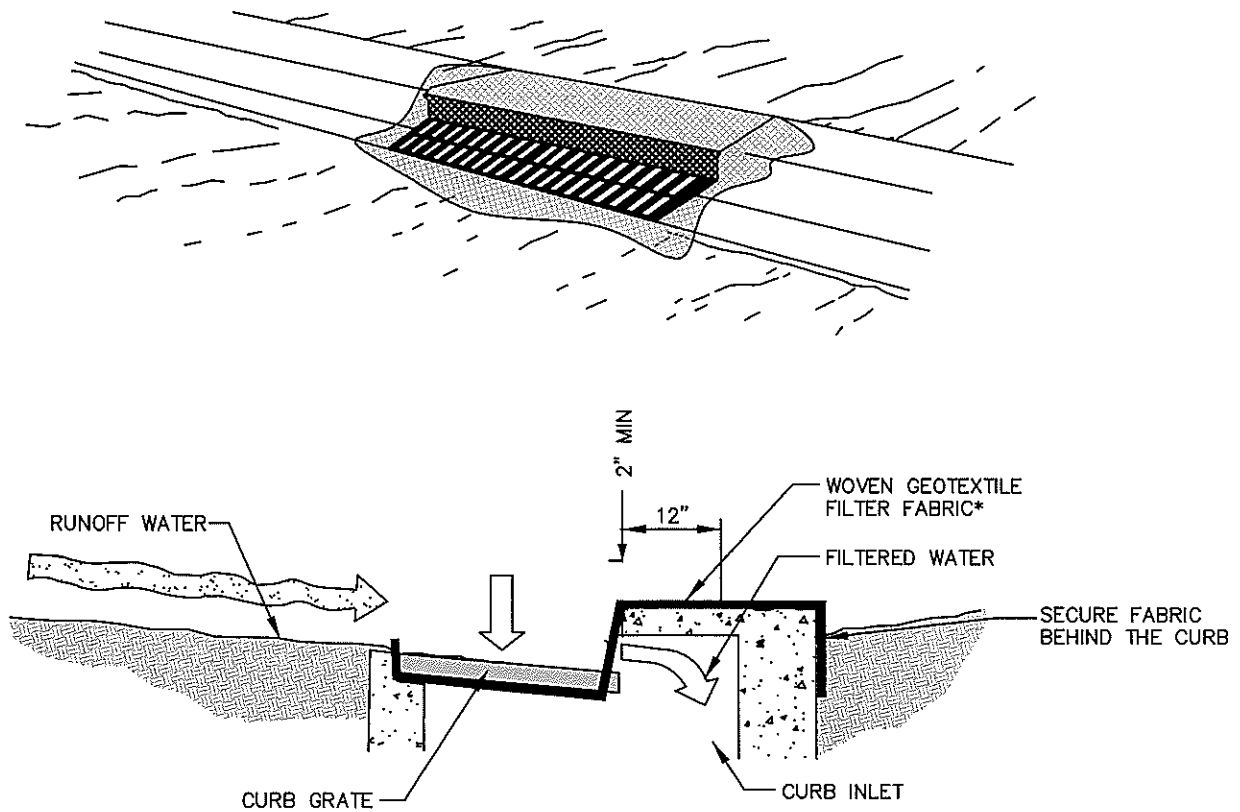
APPLICATION

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.

SEDIMENT TRAP [33]



APPLICATION

1. INLETS AT CURB OPENINGS.

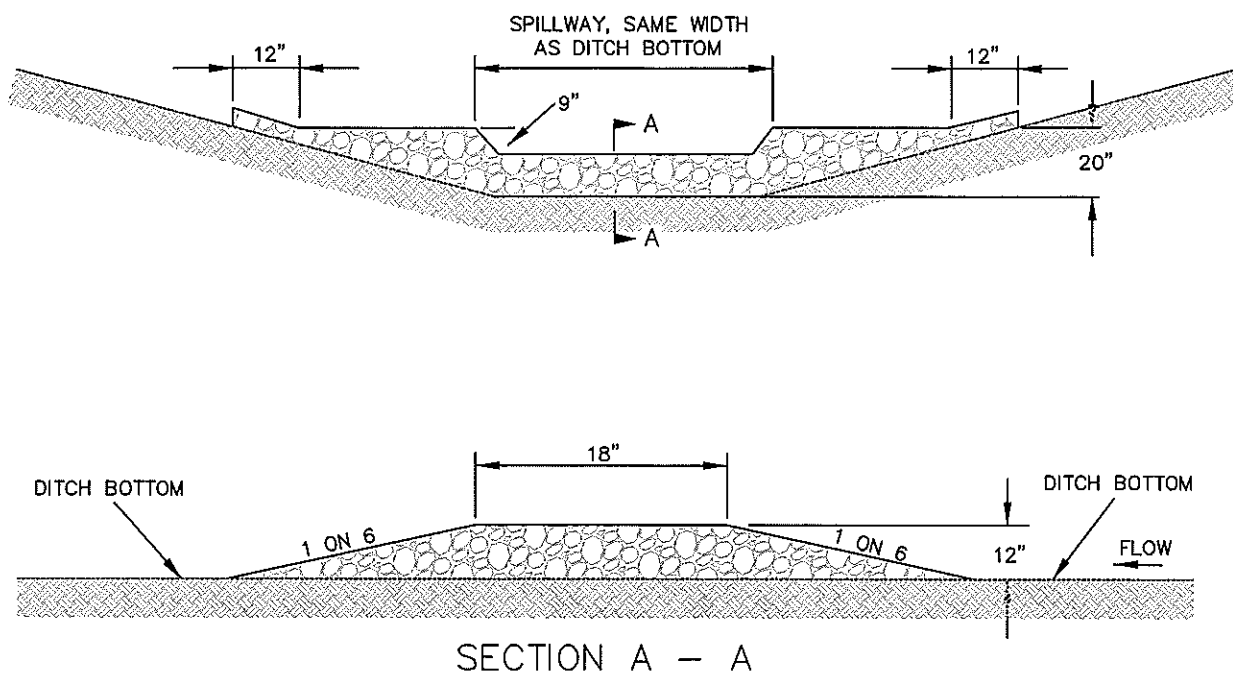
* NOTE *

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

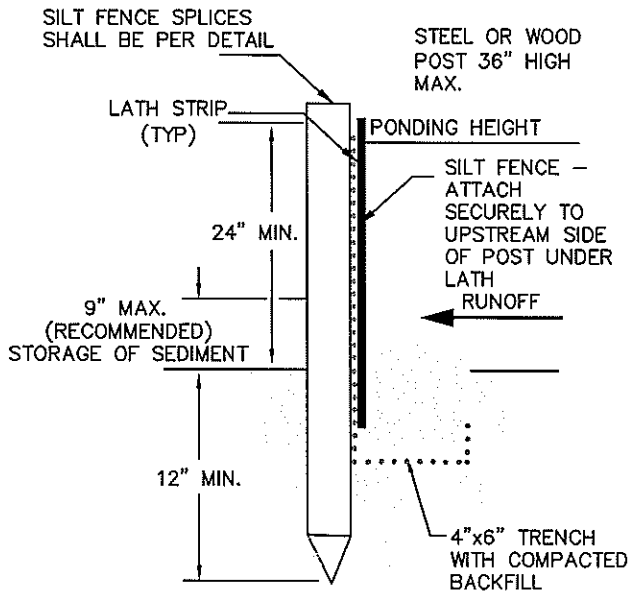
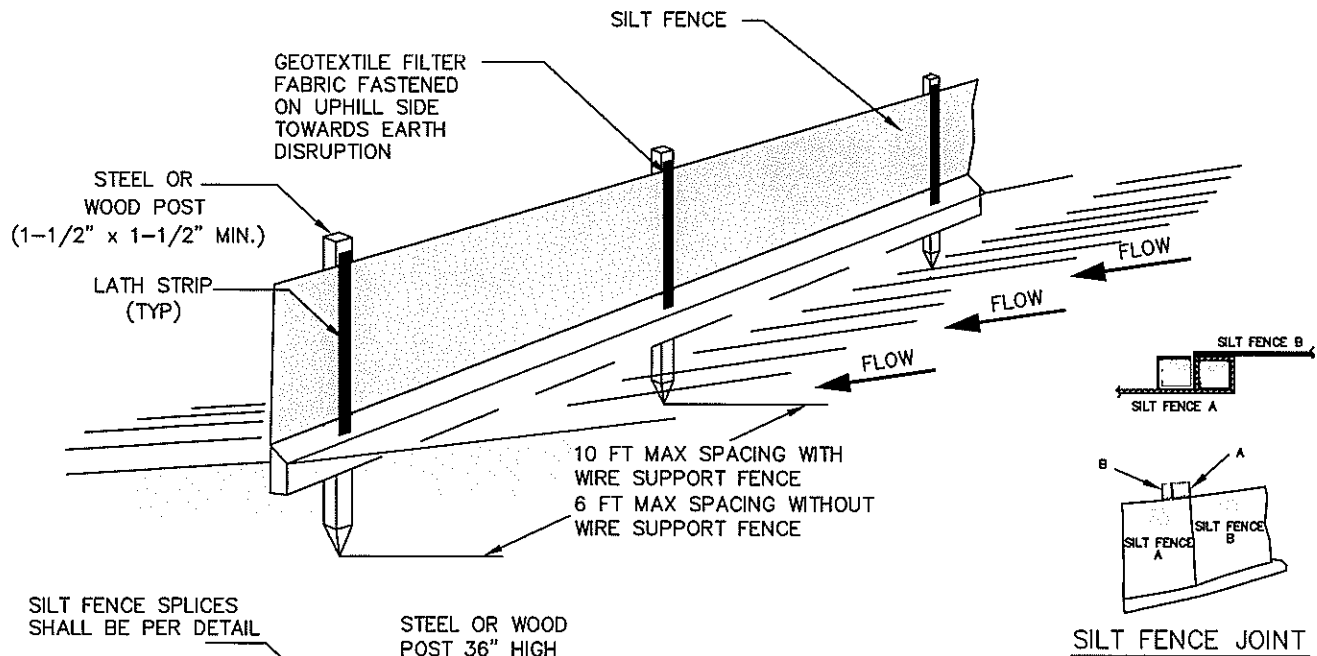
1. ACROSS DITCH LINES AND LOW CONCENTRATED FLOW AREAS.

DESIGN

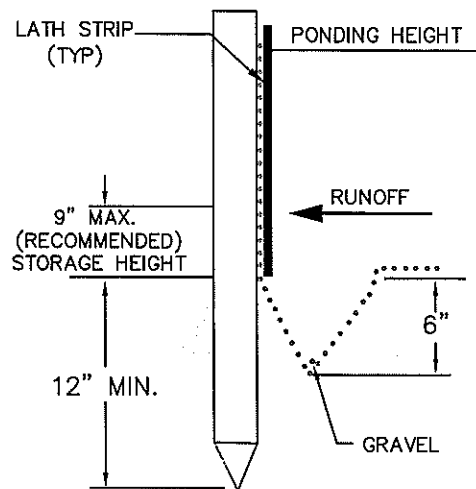
1. CHECK DAM STONES:
 2" TO 4" SIZE FOR DITCH GRADE LESS THAN 2%.
 3" TO 8" SIZE FOR DITCH GRADES 2% OR GREATER.
2. APPROXIMATELY 90% OF STONE SIZE SHALL BE BETWEEN THE RANGES INDICATED. NO STONES GREATER THAN 8" SHALL BE ALLOWED.
3. SEDIMENT TRAPS MAY BE INSTALLED IMMEDIATELY UP SLOPE TO INCREASE ABILITY 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 BE INSTALLED IF APPROVED BY WWS. SPACING TO BE PER MANUFACTURER'S RECOMMENDATION.
8. WARNING THIS DEVICE MAY CAUSE FLOODING OF ADJACENT PROPERTY.



STANDARD DETAIL
TRENCH WITH NATIVE BACKFILL



ALTERNATE DETAIL
TRENCH WITH GRAVEL

APPLICATIONS

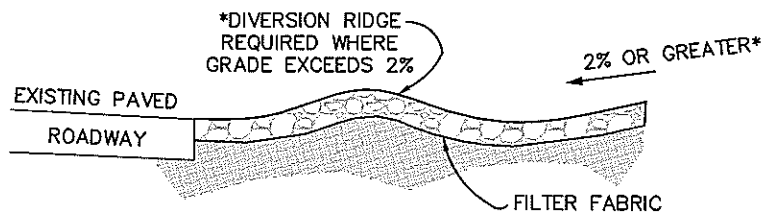
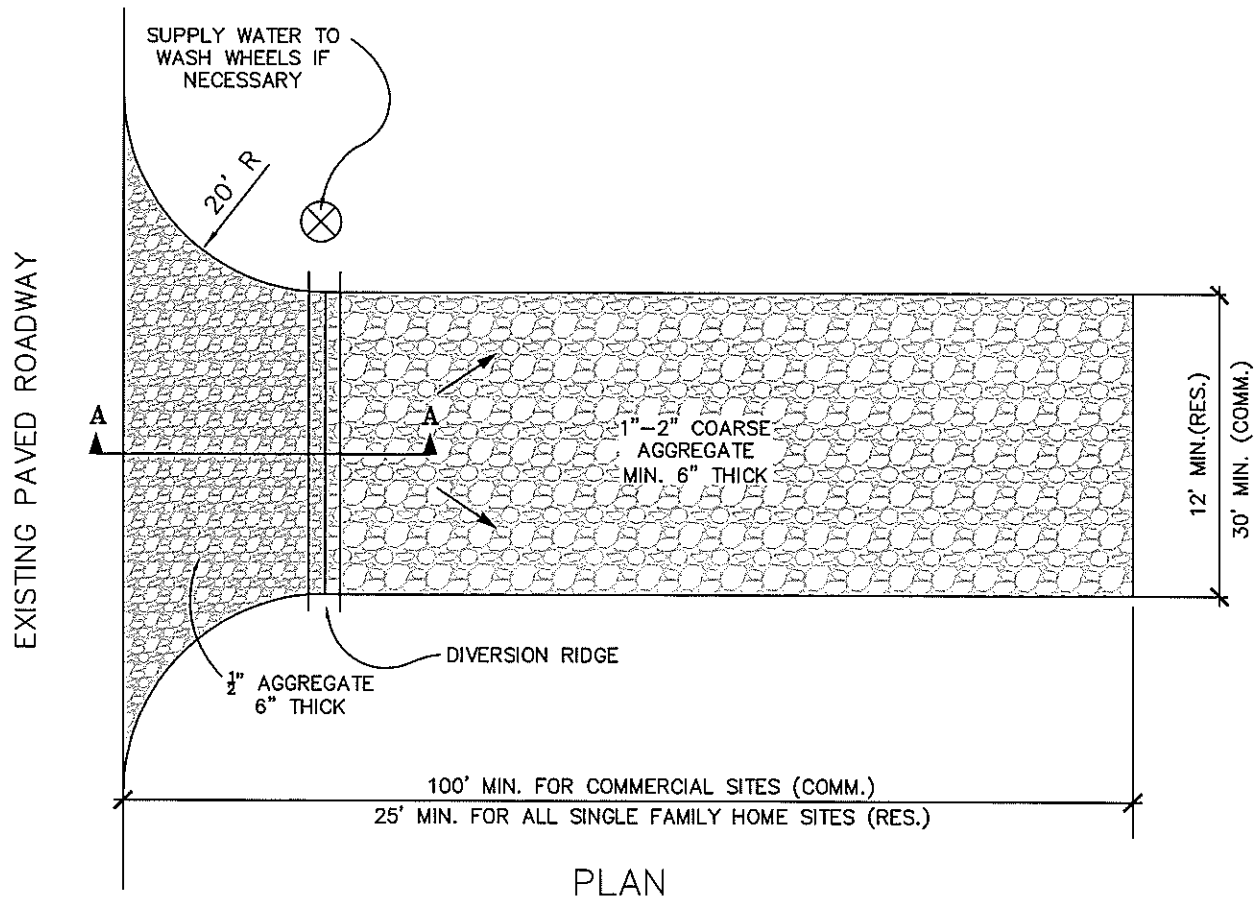
1. INSTALLED TO REDUCE SEDIMENT LADEN SURFACE RUNOFF FROM LEAVING THE PROPERTY OF A CONSTRUCTION SITE INVOLVING DISTURBED EARTH.
2. DIVERSIONARY STRUCTURE.

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.

SECURITY ACKNOWLEDGEMENT FORM

In the event that the security required to be paid to obtain an SESC permit and the security is paid in cash, the Landowner and the Designated Agent acknowledge that the cash security will not be returned to the Applicant until the site is considered stabilized. The cash security will be sent to the Applicant that is listed on the Residential Soil Erosion & Sedimentation Control Permit Application.

Acknowledged by Designated Agent:

Acknowledged by Landowner:

Printed Name:

Printed Name

Date Signed by Designated Agent: _____

Date Signed by Landowner: _____

ARTICLE II. - CONSTRUCTION MAINTENANCE ORDINANCE

- **Sec. 26-31. - Intent of article.**

The purpose of this article 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 village, and detracting from aesthetics of the neighborhoods; and to provide regulations for the use of portable toilets on construction sites.

(Ord. No. 109, § II, 6-12-2000)

- **Sec. 26-32. - Refuse bins.**

(a) *Generally.*

(1) *Use.* No person shall place or allow refuse to accumulate outside of a refuse bin.

(2) *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.

(3) *Screening.*

a. All refuse bins located in the village must be enclosed or screened from public view. Such screening shall consist of a wall or fence not less than one 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 feet in height on three 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 enclose refuse bins within the three sides so that no refuse bin projects outside of the open side.

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

1. Masonry.

2. Wood, provided that the wood is cedar, redwood, marine grade exterior plywood, or equivalent of at least five-eighths of an inch (1.5875 centimeters) thickness or other types of wood which have been pressured treated with preservatives. If cedar, redwood, or plywood are 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.

3. Evergreen shrubbery consisting of permanent, living plant materials which shall be continuously maintained in a sound, healthy 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.

c. 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.

(4) *Prohibited bins.* No person shall place or maintain any refuse bin within the village which is banned as a hazardous product pursuant to part 1301, subchapter B, chapter II, title 16 of the Consumer Product Safety Commission Rules under sections 8 and 9 of the Consumer Product Safety Act 15 USC 2057 and 2058.

(5) *Requirements of owner.* No person shall place or maintain any refuse bin within the village until:

a. The owner thereof or the person placing or maintaining such refuse bin in the village shall file with the village a sworn affidavit or such other evidence verifying that such refuse bin is not a prohibited refuse bin.

b. The owner thereof or the person placing or maintaining such refuse bin in the village shall permanently place on a conspicuous area of such refuse bin such person's name, address, and telephone number.

(6) *Enforcement.* The department of building and safety is hereby charged with the enforcement of this section.

(b) *Refuse collection/removal.*

(1) *Time.* No refuse, whether properly stored or not, shall be kept on a premises for more than one 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.

(2) *Enforcement.* Upon receiving a complaint or having reason to believe that refuse is not being disposed of in accordance with subsection (b)(1) of this section, an ordinance enforcement officer may request from the owner and/or the person in control of the premises, evidence that such 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 week of receiving a notice of violation, shall constitute in evidence a presumption that the refuse is not being

disposed of in accordance with subsection (b)(1) of this section. The notice of violation shall contain a contact number whereupon a person may obtain a list of licensed refuse collection companies.

(3) *Removal of material.* Material shall not be dropped by gravity or thrown outside the exterior walls of a building during 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.

(Ord. No. 109, § III, 6-12-2000)

- **Sec. 26-33. - Litter.**

(a) *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 village, 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 village itself. To this end, a procedure is hereby established by which the village, 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.

(b) *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 village.

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 and highway mean:

- (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 purpose 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 village;
- (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.

(c) Requirements of person in charge of building site.

(1) Each contractor who owns, controls or is in possession of a construction site or building under construction shall:

- a. 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;
- b. Place all litter, garbage, debris and waste material from the construction site within the receptacle;
- c. Place all construction materials within the confines of the lot lines of a construction site or building under construction;

d. 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;

e. Maintain the construction site, building under construction, and adjacent area free of litter, garbage, debris and waste material;

f. 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.

(2) 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:

a. 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.

b. The transferring of litter, garbage, debris, or waste material from one construction site or building under construction to another.

c. 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.

d. The placing of construction materials on any street, road, highway or right-of-way.

e. 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, catchbasins 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.

f. All refuse materials shall be removed in a manner which prevents injury or damage to persons, adjoining properties and public rights-of-way.

(d) *Cleanup of mud, dirt and debris on streets.* Whenever work or construction in the village 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 cleanup 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 village 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 responsible shall immediately clean the street, highway, pathway or alley within two hours.

(e) Responsible for cost of cleanup.

(1) One person responsible. If it becomes necessary for the village 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 subsection (d) of this section to do so, the village may perform necessary street cleanup, and the person responsible shall pay to the village the cost of cleanup with a certified check or cash deposit and the person responsible shall pay to the village the cost of the cleanup.

a. Use of permit cash deposits. The village may use that cash deposit filed with the village in order to obtain reimbursement for the cost of cleanup.

b. Immediate replenishment of cash deposit. If it becomes necessary for the village, pursuant to this subsection, to use a cash deposit on file with the village, the permit holder shall be required to immediately replenish and replace the cash deposit.

(2) 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 cleanup by the village shall be prorated and charged against the cash deposits of all the persons determined by the superintendent of the department of public works to be responsible.

(3) Lien. In those cases where deposited funds are insufficient to cover the cost of cleanup performed by the village, 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 village 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 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 village and the same shall be collected in the same manner in all respects as provided by law for the collection of taxes.

(f) Enforcement. In addition to the village's use of certified checks and cash deposits, pursuant to subsection (e) of this section, the building official, upon determining there has been a failure to comply with the requirements of subsections (c) and (d) of this section, 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 compliances is obtained.

(Ord. No. 109, § IV, 6-12-2000)

- **Sec. 26-34. - Portable toilets.**

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

Portable toilet means a receptacle for human waste temporarily in a location for human use.

(b) *Prohibited acts.* It is unlawful within the village to keep, maintain or permit to remain on any land zoned residential, commercial or industrial a portable toilet.

(c) *Exceptions.* The prohibited use of a portable toilet shall not apply to those portable toilets allowed and required on construction sites, pursuant to of the Mich. Admin. Code R. 408.40129, or to those utilized at a public park or school facility. No permit is required.

(d) *Toilets at construction sites.*

(1) Toilets at construction sites shall be provided for employees as follows:

a. One to 20 employees, one toilet.

b. Twenty-one to 40 employees, two toilets.

c. Forty-one or more employees, one additional toilet for each additional 40 or less employees.

(2) A jobsite that is not provided with a sanitary sewer shall be provided with one of the following toilet facilities, unless prohibited by local codes:

a. A privy; if use of the privy will not contaminate groundwater or surface water;

b. A chemical toilet;

c. A recirculating toilet;

d. A combustion toilet.

(3) 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.

(4) To ensure sanitation, a toilet shall be serviced and maintained on a regular basis.

(5) A toilet shall be supplied with toilet paper.

(Ord. No. 109, § V, 6-12-2000)

**IT IS THE
RESPONSIBILITY OF
THE APPLICANT TO
RESEARCH DEED
RESTRICTIONS AND
ASSOCIATION RULES!**



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