

Atlas Township Building Department
ITEMS REQUIRED FOR BUILDING PERMIT

RESIDENTIAL CONSTRUCTION

1. 2- Complete sets of construction documents including the following: Dwelling accessory building, deck, truss, I- Joist, electrical, mechanical, and plumbing . (showing revisions, additions, deletions).
2. Legal description of property, copy of deed/land contract , **and copy of land survey***
3. Septic and Well permits from Genesee County Health Department (yellow copy)
4. Culvert permit from County Road Commission.
5. Plot plan (drawn to scale) showing dimensions of property, all setbacks, location of well, septic, driveways, other buildings, and any other significant features.
6. Soil Erosion permit from Genesee County Drain Commission.
7. Completed (2) Applications for permit and plan examination.
8. Michigan Energy Code Worksheet (completed)
9. All restrictions and /or covenants which apply to the property.

* *If property was divided after January 1, 1989 recorded copies of the deed/land and survey must be provided before a building permit will be issued.*

NO CONSTRUCTION SHALL BE STARTED UNTIL APPROVAL IS GIVEN BY THE BUILDING INSPECTOR. INSPECTIONS MUST BE CALLED IN BY 11:30 A. M. TO RECEIVE INSPECTION THAT DAY

Required inspections

1. Site Inspection (staked out prior to work being started)
2. All Footing Inspections: before being poured
3. Backfill Inspection: pea rock, tile, T's, and damp proofing.
4. Rough Inspection: after all Rough Electrical, Mechanical and Plumbing inspections have been completed by state inspectors.
5. Insulation Inspection:
6. Basement Floor: (pea rock, tile and visqueen)
7. Garage Floor & concrete porch floor: sand (compacted) visqueen also required if living space over garage
8. Brick Inspection (weep holes and flashing) 2003 code section 703 wall covering
9. Final Inspection for Occupancy Permit: after all Final Electrical, Mechanical, and Plumbing inspections have been completed by State Inspector, and after Final Septic System approval has been received from the County Health Department.

NOTES:

(Water and Ice shield to be installed on all roofs.)

Re-Inspection fee may be charged if project is not ready, or does not pass.
\$45.00 and must be paid prior to Re-inspection being made.

Minimum fee is

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

Part 223

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

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, weather 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

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.

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 46388

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.

CERTIFICATION REQUESTING RESIDENTIAL SESC WAIVER EXEMPT PROJECTS

I, _____, the owner of the property located at _____, in the City/Township/Village of _____, Michigan, or the designated agent¹ of the owner of the property, do hereby affirm that I am requesting a soil erosion and sedimentation permit waiver based upon the one or more of the following:

Please check one or more of the following as applicable:

- The proposed project involves an earth change² that will disturb less than two hundred twenty-five feet square feet (225 ft²) and the earth change will not contribute sediment to lakes or streams. (See R323.1705(2)).
- The proposed project is a beach nourishment project permitted under part 325 of Act No. 451 of the Public Acts of 1994, as amended, being MCL § 324.32501 *et. seq.* (See R323.1705(1) (a)).
- the proposed project is for normal road and driveway maintenance, such as grading or leveling, that does not increase the width or length of the road or driveway and that will not contribute sediment to lakes or streams. (See R323.1705 (1) (b)).
- the proposed project involves an earth change of a minor nature that will be stabilized within twenty-four (24) hours of the initial earth disturbance and that will not contribute sediment to lakes or streams. (See R323.1705 (1) (c)).
- The proposed project consists of the installation of oil, gas, and mineral wells under permit from the supervisor of wells if the owner-operator is in compliance with the conditions of Part 91, of Act No. 451 of the Public Acts of 1994, as amended, being MCL § 324.32501 *et. seq.* as determined by the supervisor of wells. (See R323.1705 (1) (d)).
- The proposed project involves the planting of trees, shrubs, or other similar plants and soil erosion and sedimentation controls will be implemented as required, the earth change will be stabilized within twenty-four (24) hours of the initial earth disturbance, and soil erosion or sedimentation will not reasonably occur to any adjacent properties or the waters of the state. (See MCL § 324.9115a (1) (e) (i)).

¹ Designated agent is defined as "a person who has written authorization from the landowner to sign the application and secure a permit in the landowner's name." (See R323.1705(1) (c)).

² Earth change is defined as "a human-made change in the natural cover or topography of land, including cut and fill activities, which may result in or contribute to soil erosion or sedimentation of the waters of the state. Earth change does not include the practice of plowing and tilling soil for the purpose of crop production."^h

- o The proposed project involves the seeding or reseeded of lawns of less than one (1) acre, the seeded area is at least one hundred feet (100') from the waters of the state, and soil erosion and sedimentation controls will be implemented as required, the earth change will be stabilized within twenty-four (24) hours of the initial earth disturbance, and soil erosion or sedimentation will not reasonably occur to any adjacent properties or the waters of the state. (See MCL § 324.9115a(l)(e)(ii)).
- o The proposed project involves the seeding or reseeded of lawns closer than one hundred feet (100') from the waters of the state if the area to be seeded or reseeded does not exceed one hundred square feet (100 ft²), and soil erosion and sedimentation controls will be implemented as required, the earth change will be stabilized within twenty-four (24) hours of the initial earth disturbance, and soil erosion or sedimentation will not reasonably occur to any adjacent properties or the waters of the state. (See MCL § 324.9115a(l)(e)(iii)).
- o The proposed project involves the temporary stockpiling of soil, sand, or gravel not greater than a total of ten cubic yards (10 yds³) on the property, the stockpiling will occur at least one hundred feet (100') from the waters of the state, and soil erosion and sedimentation controls will be implemented as required, the earth change will be stabilized within twenty-four (24) hours of the initial earth disturbance, and soil erosion or sedimentation will not reasonably occur to any adjacent properties or the waters of the state. (See MCL § 324.9115a(l)(e)(iv)).
- o The proposed project involves seawall maintenance that does not exceed one hundred square feet (100 ft²), and soil erosion and sedimentation controls will be implemented as required, the earth change will be stabilized within twenty-four (24) hours of the initial earth disturbance, and soil erosion or sedimentation will not reasonably occur to any adjacent properties or the waters of the state. (See MCL § 324.9115a(l)(e)(v)).

Brief description of the project:

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.

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.

SIGNATURE OF PROPERTY OWNER: _____

Date Signed: _____

Printed Name of Property Owner: _____

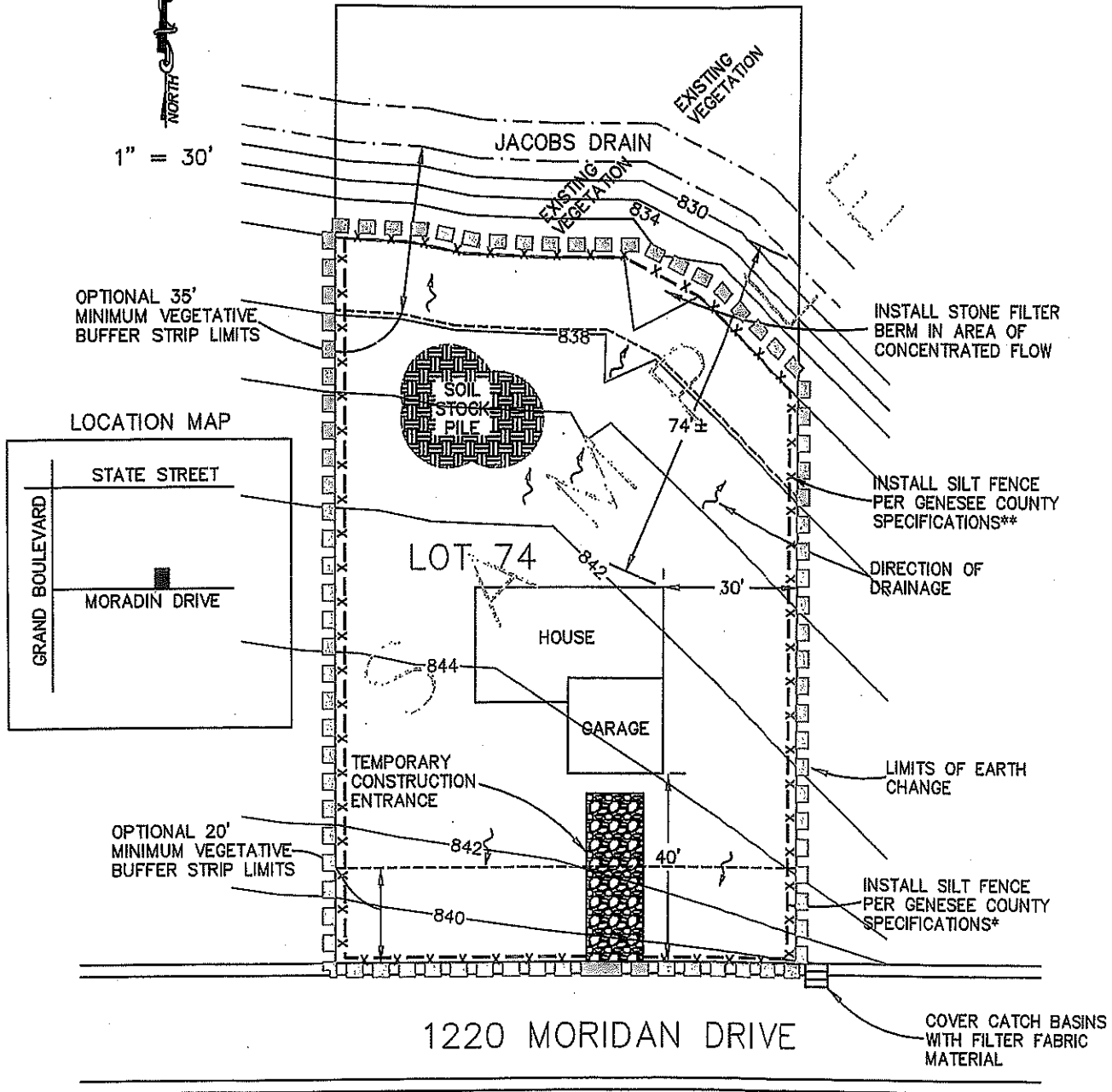
EXAMPLE SINGLE FAMILY HOME SITE PLAN

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



1" = 30'



* 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 & Set Backs

RA- 3 acre min. & 185 ft. of frontage

Set backs- 25' side, 50' rear

Rsa- 1 acre min. & 125 ft. of frontage

Set backs- 10' sides, 25' rear

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' setbacks, 80 row

Local – 55' setback, 66 row

Min. dwelling size is 1100 sq ft with a min. 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 detail list of all the requirements please refer to the zoning code.

Building permit and address must be posted on site

Listed are some of the Michigan Residential Building Code Sections we will be checking. Please refer to the 2006 Michigan Residential building Code Book for specific wording of code sections.

Foundations

1. 42" below grade frost protection required on all footings.
2. Walkout frost walls must be insulated with a minimum of 1" Styrofoam before foundation inspection.
3. Damp proofing and/or waterproofing is required on all foundations before foundation inspection.
4. Foundation drainage system required for all foundations that enclose usable space below grade. 1/2 " anchor bolts 12" from ends and 6" on center or approved anchor straps that provide equivalent anchorage.
5. Foundation re-rod-vertical reinforcement required per Table 404.1.1 (2)

Framing

1. All sill plates must be treated lumber.
2. All furring strips in direct contact with concrete must be treated.
3. Treated wood framing and sheathing shall be required when closer than 8" from exposed earth.
4. All joists must have a minimum of 1 1/2 " of bearing.
5. All I joists must have squash blocks per manufacturers specs.
6. All girder trusses and beams must have proper bearing directly below and solid blocking between floor joists down to foundation
7. Double lap studs required under most headers exceeding 5' See Table 502.5 (1)
8. 22" x 30" attic access for all attics 30" or higher. Must be easily accessible
9. Fire stop all bulkhead and around all vent, pipes and ducts. Use only approved non-flammable material.
10. All 2 and 3 ply girder trusses must be nailed together according to truss specifications.

Brick (see Michigan 2003 Residential code Book under wall covering Section 703)

Guardrails

1. Porches, balconies or raised floor surfaces located more than 30" above the floor or grade below shall have guards not less than 36" in height. Open sides of stairs with a total rise of more than 30" above the floor grade below shall have guards not less than 34" in height measured vertically from the nosing of the treads.
2. Required guards shall have intermediate rails or ornamental closures that DO NOT allow passage of a sphere 4" in diameter. Required guards shall not be constructed with horizontal rails or other ornamental pattern that results in a ladder effect.
3. Exception: the triangular openings formed by the riser, tread and bottom rail of a guard at the open side of a stairway are permitted to be of such a size that a sphere 6" cannot pass through.

Handrails

Stairways shall be equipped with a minimum of one handrail.

1. Handrail grip size shall have a circular cross section of 1 ¼ " minimum to 2 5/8" maximum. Other handrail shapes that provide an equivalent grasping surface are permissible. Edges shall have a minimum. Radius of 1/8".
2. The clear space between handrail and wall shall not be less than 1 ½".
3. Handrails shall not project more than 4.5 inches on either side of the stairway and the minimum clear width of the stairway at and below the handrail height, including treads and landings, shall not be less than 31.5 inches where handrail installed on one side and 27 inches where handrails are provide on both sides.
4. Handrails shall have a minimum and maximum heights of 34 inches and 38 inches, respectively, measured vertically from the nosing of the treads shall be provide on at least one side of stairways.
5. Handrail ends shall be returned or shall terminate in newel posts or safety terminals.
6. Handrails shall be permitted to be interrupted by a newel post at a turn.

Stairways

1. Headroom of 80" minimum measured vertically from the sloped plane adjoining the tread nosing.
2. All stairways shall not be less than 36 inches in clear width at all points above the permitted handrail height and below the required headroom height.
3. Stairways openings require guardrails during construction.
4. Maximum riser height shall be 8 ¼" measured vertically between leading edges of the adjacent treads.
5. Minimum tread depth shall be 9" measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge.
6. Open risers are permitted, provided that the opening between treads does not permit the passage of a 4" sphere.
7. A nosing of not less than ¾" but not more than 1 ¼" shall be provided on the stairways with solid risers.
8. (Under stair protection- enclosed accessible space under stairs shall be protected with ½ " drywall).

Fireplaces and Clearance to Combustibles

1. Masonry chimneys require 2" of air space clearance to combustibles. Section R 1001.15.
2. Air spaces clearance must be fire stopped at floors and ceilings.
3. Mantel and trim shall not be placed within 6" of fireplace opening.
4. Factory built fireplaces shall be listed and labeled and must be installed to manufacturers specifications.
5. Furnace B-vents must be installed to manufacturers specifications (refer to label on pipe section for clearances).

Smoke Detectors

1. Shall be installed inside all bedrooms and outside in the immediate vicinity of the bedrooms and each story including basements.
2. All smoke detectors must be interconnected and have battery back up.

Egress

1. Basements with habitable space and every sleeping room shall have at least one operable emergency escape and rescue window or exterior door opening for emergency escape and rescue. Where openings are provided as a means of escape and rescue they shall have a sill height of not more than 44 inches above the floor.
2. All emergency escape and rescue openings shall have a minimum net clear opening of 5.7 square feet and 5.0 square feet if at grade floor.
3. Minimum net clear opening for height shall be 24" and the width shall be 20".

Safety glazing

1. Tempered, or safety glazing in all hazardous areas. This includes within 24" of a door, windows over 9 sq. ft. and closer than 18" to floor, tub and shower areas less than 60" above tub floor.

Roof Coverings

1. Ice protection required 24" past the exterior wall line of building. 1 layer of self-adhering polymer modified bitumen sheet or 2 layers of underlayment cemented together

ATLAS TOWNSHIP BUILDING PERMIT APPLICATION

7386 S. Gale Rd, Grand Blanc, MI 48439/ P.O. Box 277, Goodrich, MI 48438
 Ph.: 810-636-6809 Fax: 810-636-6244 www.atlastownship.org

Job Site _____	Property ID# _____
Cross Roads _____	N S E W Side of the Road
Lot Size _____	

Permit Type:			
<input type="checkbox"/> New	<input type="checkbox"/> Addition	<input type="checkbox"/> Alter/Remodel	<input type="checkbox"/> Code Compliance
<input type="checkbox"/> Fire Repair	<input type="checkbox"/> Demo/Raze	<input type="checkbox"/> Other (describe) _____	

Type:	<input type="checkbox"/> Conventional Built Home	<input type="checkbox"/> Pre-Manufactured Home	<input type="checkbox"/> Pond
	<input type="checkbox"/> Attached Garage	<input type="checkbox"/> Detached Garage	<input type="checkbox"/> Garage w/Breezeway
	<input type="checkbox"/> Sign - Wall	<input type="checkbox"/> Sign - Ground	<input type="checkbox"/> Pole/Accessory Building
	<input type="checkbox"/> Pool- In Ground	<input type="checkbox"/> Pool- Above Ground	<input type="checkbox"/> Carport
	<input type="checkbox"/> Deck/Porch/Awning	<input type="checkbox"/> Commercial/Industrial	<input type="checkbox"/> Other _____

Foundation Type	Construction Information	Required Permits
<input type="checkbox"/> Basement Block/Foam	Commercial Sq. Ft. _____	<input type="checkbox"/> Septic
<input type="checkbox"/> Basement Poured	Deck Square Footage _____	<input type="checkbox"/> Sewer
<input type="checkbox"/> Basement Wood/Steel	Accessory Building Sq. Ft. _____	<input type="checkbox"/> Culvert/R-O-W
<input type="checkbox"/> Reinforced Mat	Building Height _____	<input type="checkbox"/> Soil Erosion
<input type="checkbox"/> 42" Footings (Trench/Spread)	Residential Sq. Ft. _____	<input type="checkbox"/> Flood Plain
<input type="checkbox"/> 42" Footings (Pole)	Garage Sq. Ft. _____	<input type="checkbox"/> Well
<input type="checkbox"/> Crawl Block	Number of Stories _____	<input type="checkbox"/> Wetlands
<input type="checkbox"/> Crawl Wood	Number of Bedrooms _____	
<input type="checkbox"/> Piers	Number of Bathrooms _____	
<input type="checkbox"/> Existing	Total Square Footage _____	
<input type="checkbox"/> Other: _____	Masonry Veneers <input type="checkbox"/> Yes <input type="checkbox"/> No	

Estimated Cost of Construction:
 \$ _____

Property Owner Name _____ Phone () _____

Current Address _____ City _____ State _____ Zip _____

Owners Driver's License # _____ or Date of Birth _____

Property Owner Affidavit: I hereby certify the work described on this permit application shall be installed in accordance with the State Code and shall not be enclosed, covered up, or put into operation until it has been inspected and approved by the inspector. I will cooperate with the inspector and assume the responsibility to arrange for the necessary inspections.

Section 23a of the State Construction Code Act of 1972, Act No. 230 of the Public Acts of 1972, being Section 125.1523a of the Michigan Compiled Laws, prohibited a person from conspiring to circumvent the licensing requirements of the state relating to persons who are to perform work on a residential building or a residential structure. Violators of Section 23a are subject to civil fines.

Property Owner's Signature _____ Date _____

Fax () _____

Contractor Name _____ Phone () _____

License Name _____ Expiration Date _____

Current Address _____ City _____ State _____ Zip _____

Federal I.D. Number (or reason for exemption) _____

Workman's Comp. Carrier (or reason for exemption) _____

MESC Number (or reason for exemption) _____

Contractor Affidavit: I hereby certify that the proposed work is authorized by the owner to make this application as his authorized agent, and we agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on this application is accurate to the best of my knowledge. Section 23a of the State Construction Code Act of 1972, Act No. 230 of the Public Acts of 1972, being Section 125.1523a of the Michigan Compiled Laws, prohibits a person from conspiring to circumvent the licensing requirements of the state relating to persons who are to perform work on a residential building or a residential structure. Violators of Section 23a are subject to civil fines.

Contractor's Signature _____ Date _____

Print Name _____ Date of Birth _____

Architect or Engineer Name _____ Phone () _____

Address _____ City _____ State _____ Zip _____

Signature _____ Date _____