BUILDING PERMIT APPLICATION PACKET

FORT • ATKINSON
NEW CONSTRUCTION AND ADDITIONS, OVER 200 SQUARE FEET, PERMIT PACKET

This packet contains the necessary paperwork and informational handouts to apply for a permit to construct a new building or addition 200 square feet in size or larger. Some of the permit applications may not apply to all construction situations and construction taking place farther than two feet from the minimum setback line may not require surveys. All site, utility and erosion control plans must be approved by the engineering plan prior to permit issuance. Please feel free to call the Building Inspection Department with any questions at (920)563-7760.
RESIDENTIAL CONSTRUCTION CHECKLIST
ALL STRUCTURES OVER 200 S.F. OR WITH A CONCRETE FOUNDATION

1. Cover Sheet:
   - ☐ Name, address and phone number of preparer
   - ☐ Name, address and phone number of owner
   - ☐ Address and parcel number of parcel
   - ☐ Current zoning of lot (see zoning map on City’s website)
   - ☐ Structure type – single family, duplex, zero-lot, condo, etc.
   - ☐ Impervious area (square feet) – include all non-landscaped areas
   - ☐ Lot size (square feet)
   - ☐ Building coverage (square feet)

2. Aerial Print:
   - ☐ 8-1/2” X 11” color print from the Jefferson County GIS website showing the parcel and adjacent parcels. Search Jefferson County GIS or go to https://jeffarcgis.jeffersoncountywi.gov/apps/PublicGISmr/

3. Site Plan:
   - ☐ Scaled (1:40 scale or less) with North arrow and adjacent streets labeled.
   - ☐ Structures: Show the location, height and dimensions of all principal and accessory buildings, driveways, decks, sidewalks, retaining walls, etc. Show first floor elevation of new structures or reference offset from existing for additions. Show distances to property lines. Indicate surface material type for decks and driveways and sidewalks (i.e. asphalt, concrete, wood, etc.).
   - ☐ Property Boundaries: Boundary survey should be completed by a licensed surveyor. Show the dimensions of all property lines and the location of all lot corners. A benchmark should be shown (curb chisel or similar). Local datum may be used. Foundation certification will be required prior to concrete pour.
   - ☐ Setbacks: Indicate building foundation setbacks from the property line including front, side and rear yard.
   - ☐ Drainage and Topography: Indicate the existing and proposed grade contour lines on minimum two-foot (2’) intervals. Contours should extend 25-feet beyond the parcel. Limits of disturbance should be shown. Indicate proposed drainage swales to minimize sump or storm runoff to adjoining properties.
Utilities: Show the location, fittings and size of all existing and proposed utilities, below and above the ground. Use the best available information – contact the City of Fort Atkinson for water, storm and sewer information. For new connections to public utilities, provide a separate sheet indicating proposed plan and profile installation with details on fittings and connection to public water and sewer.

Right of Way: Include and label limits of the right-of-way (R.O.W.); edge of pavement, curb, gutter and sidewalk. Label the location and type of pavement restoration needed on the roadways. If the proposed work impacts the public right of way, a street opening permit will be required.

Easements: Indicate all existing and proposed easements on or adjacent to the property, including open space, utility, drainage, native and access easements. Include the Jefferson County recording number for existing easements.

Critical Areas: If present, indicate the following: top of bank of streams, wetland boundaries and floodplain boundaries.

4. Erosion Control Plan:

Follow the instructions and complete the Standard Erosion Control Plan included from the City. Utilize the “Erosion Control for Homebuilders” to develop an approved plan.

Include any narrative explanation specific to the site.

5. Architectural Drawings:

Submit plans including all dimensions for:

- Cross section of construction
- Wall bracing
- Footing, foundation and drain tile
- Insulation energy loss worksheet (if applicable)
- Exterior elevation with materials
- Plans should be submitted electronically; however paper plans may be accepted

6. City of Fort Atkinson Building Permits:

- General building permit
- HVAC permit
- Plumbing permit
- Electrical permit
- Erosion Control permit
EXAMPLE SITE PLAN
NOTES:
1. UTILITY EASEMENTS SHOWN PER FINAL PLAT—NO TITLE POLICY PROVIDED
2. THIS SURVEY IS SUBJECT TO ALL RESTRICTIONS AND NOTES SHOWN ON THE FINAL PLAT OF THOMSON HOLLOW, WAUKESHA COUNTY REGISTER OF DEEDS OFFICE.
3. PENALTY FOR DISTURBING LOT CORNER MONUMENTS $250.00 OR UP TO 1 YEAR IMPRISONMENT PER 55.236.32(2)
4. EXPOSE SANITARY SEWER LATERAL PRIOR TO CONSTRUCTION TO VERIFY GRAVITY FLOW FROM BASEMENT
5. BENCHMARK OBTAINED FROM THE NW CORNER OF THE SE 1/4 OF SECTION 35-6-20 = 847.05.
6. DUE TO SNOW COVER THE ACCURACY OF DRIVEWAYS, WALKS AND POTENTIAL STRUCTURES BURIED BY SNOW CAN NOT BE RELIABLE UPON

Top of Fndtn 844.26
Garage Grade 843.93
P.Floors 845.46
Yard Grade per MGP
Front 843.60
Exposure 0.00
Rear 843.60
Wall Height per plans 8.00
Footing Grade 836.26
End of Drive Grade 840.50
Drive Length 65.00
Drive Grade 5.3%

Note: Contractor to verify grades and wall height prior to excavation.

Chord: 113.48’
Course: S77°26’38”E
Arc Length: 113.81’
Radius: 435.00’
Delta: 14°59’22”

BUILDING SETBACK
PER FINAL PLAT
FRONT/STREET - 30’
SIDE - 10’
REAR - 25’

SURVEYOR’S CERTIFICATE:

THIS SURVEY IS MADE FOR THE USE OF THE PRESENT OWNERS OF THE PROPERTY, AND ALSO THOSE WHO PURCHASE, MORTGAGE, OR GUARANTEE THE TITLE THERETO WITHIN ONE (1) YEAR FROM DATE HEREOF.

NOTE: CAUTION
THE UTILITIES SHOWN IN THIS PLAT ARE AS OBSERVED IN THE FIELD, NO UNDERGROUND UTILITIES HAVE BEEN LOCATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND SIZES OF ALL UTILITIES FROM THE OWNERS OF THE RESPECTIVE UTILITIES. ALL UTILITIES SHALL BE NOTIFIED BY THE CONTRACTOR 72 HOURS PRIOR TO EXCAVATION.
PERMIT APPLICATIONS
### Wisconsin Uniform Building Permit Application

**Instructions on back of second ply.** The information you provide may be used by other government agency programs ([Privacy Law, s. 15.04 (1)(m)]).

#### PERMIT REQUESTED
- [ ] Constr.
- [ ] HVAC
- [ ] Electric
- [ ] Plumbing
- [ ] Erosion Control
- [ ] Other:

#### Owner’s Name
- [ ] Mailing Address
- [ ] Tel.

#### Contractor Name & Type
- [ ] Lic/Cert#
- [ ] Exp Date
- [ ] Mailing Address
- [ ] Telephone & Email

#### Dwelling Contractor (Constr.)
- [ ] Dwelling Contr. Qualifier (The Dwelling Contr. Qualifier shall be an owner, CEO, COB or employee of the Dwelling Contr.)

#### HVAC
- [ ] HVAC

#### Electrical Contractor
- [ ] Electrical Contractor

#### Electrical Master Electrician
- [ ] Electrical Master Electrician

#### Plumbing
- [ ] Plumbing

#### PROJECT LOCATION
- [ ] Lot area
- [ ] Sq.ft.
- [ ] Town /
- [ ] Village
- [ ] City of
- [ ] 1/4, 1/4, of Section
- [ ] T
- [ ] N, R
- [ ] E/W

#### Building Address
- [ ] Lot No.
- [ ] Block No.

#### Zoning District(s)
- [ ] Zoning Permit No.

#### 1. PROJECT
- [ ] New
- [ ] Alteration
- [ ] Addition
- [ ] Other:

#### 2. AREA INVOLVED (sq ft)
- [ ] Unfin. Bsmnt
- [ ] Living Area
- [ ] Garage
- [ ] Deck/Porch
- [ ] Totals

#### 3. OCCUPANCY
- [ ] Single Family
- [ ] Two Family
- [ ] Garage
- [ ] Other:

#### 4. CONST. TYPE
- [ ] Wood Frame
- [ ] Steel
- [ ] Other:

#### 5. STORIES
- [ ] 1-Story
- [ ] 2-Story
- [ ] Other:

#### 6. ELECTRIC
- [ ] Entrance Panel
- [ ] Amps:
- [ ] Underground
- [ ] Overhead

#### 7. WALLS
- [ ] Central AC

#### 8. USE
- [ ] 1-Story Seasonal
- [ ] 2-Story Permanent
- [ ] Other:

#### 9. HVAC EQUIP.
- [ ] Furnace
- [ ] Heat Pump
- [ ] Boiler

#### 10. SEWER
- [ ] Municipal
- [ ] Sanitary Permit#

#### 11. WATER
- [ ] Municipal
- [ ] On-Site Well

#### 12. ENERGY SOURCE
- [ ] Fuel
- [ ] Nat Gas
- [ ] LP
- [ ] Oil
- [ ] Elec
- [ ] Solid
- [ ] Solar Geo

#### 13. HEAT LOSS
- [ ] BTU/HR Total Calculated

#### 14. EST. BUILDING COST w/o LAND
- [ ] $  

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I understand that I am subject to all applicable codes, laws, statutes and ordinances, including those described on the reverse side of the last ply of this form; am subject to any conditions of this permit; understand that the issuance of this permit creates no legal liability, express or implied, on the state or municipality; and certify that all the above information is accurate. If one acre or more of soil will be disturbed, I understand that this project is subject to ch. NR 151 regarding additional erosion control and stormwater management and the owner shall sign the statement on the back of the permit if not signing below. I expressly grant the building inspector, or the inspector's authorized agent, permission to enter the premises for which this permit is sought at all reasonable hours and for any proper purpose to inspect the work which is being done.

I vouch that I am or will be an owner occupant of this dwelling for which I am applying for an erosion control or construction permit without a Dwelling Contractor Certification and have read the cautionary statement regarding contractor responsibility on the second page of this form.

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**APPLICANT (Print):**  
**Sign:**  
**DATE**

**APPROVAL CONDITIONS**  
This permit is issued pursuant to the following conditions. Failure to comply may result in suspension or revocation of this permit or other penalty. See attached for conditions of approval.

**ISSUING JURISDICTION**
- [ ] Town of
- [ ] Village of
- [ ] City of
- [ ] County of
- [ ] State
- [ ] State-Contracted Inspection Agency#:  
- [ ] Municipality Number of Dwelling Location

**FEES:**
- [ ] Plan Review $  
- [ ] Inspection $  
- [ ] Wis. Permit Seal $  
- [ ] Other $  

**PERMIT(S) ISSUED**
- [ ] Construction  
- [ ] HVAC  
- [ ] Electrical  
- [ ] Plumbing  
- [ ] Erosion Control

**WIS PERMIT SEAL #**

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**PERMIT ISSUED BY:**
- [ ] Name  
- [ ] Date  
- [ ] Tel.  
- [ ] Cert No.  
- [ ] Email:

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SBD-5823(R08/17) Distribute:  
- [ ] Ply 1 – Issuing Jurisdiction  
- [ ] Ply 2- Issuer forwards to state w/in 30 days  
- [ ] Ply 3- Inspector  
- [ ] Ply 4- Applicant
INSTRUCTIONS

The owner, builder or agents shall complete the application form down through the Signature of Applicant block and submit it and building plans and specifications to the enforcing jurisdiction, which is usually your municipality or county. Permit application data is used for statewide statistical gathering on new one- and two-family dwellings, as well as for local code administration. **Please type or use ink and press firmly with multi-ply form.**

PERMIT REQUESTED

- Check off type of Permit Requested, such as structural, HVAC, Electrical or Plumbing.
- Fill in owner's current Mailing Address and Telephone Number.
- If the project will disturb one acre or more of soil, the project is subject to the additional erosion control and stormwater provisions of ch. NR 151 of the WI Administrative Code. Checking this box will satisfy the related notification requirements of ch. NR 216.
- Fill in Contractor and Contractor Qualifier Information. Per s. 101.654 (1) WI Stats., an individual taking out an erosion control or construction permit shall enter his or her dwelling contractor certificate number, and name and certificate number of the dwelling contractor qualifier employed by the contractor, unless they reside or will reside in the dwelling. Per s. 101.63 (7) Wis. Stats., the master plumber name and license number must be entered before issuing a plumbing permit.

PROJECT LOCATION

- Fill in Building Address (number and street or sufficient information so that the building inspector can locate the site.
- Local zoning, land use and flood plain requirements must be satisfied before a building permit can be issued. County approval may be necessary.
- Fill in Zoning District, lot area and required building setbacks.

PROJECT DATA - Fill in all numbered project data blocks (1-14) with the required information. All data blocks must be filled in, including the following:

2. Area (involved in project):
   - Basements - include unfinished area only
   - Living area - include any finished area including finished areas in basements
   - Two-family dwellings - include separate and total combined areas

3. Occupancy - Check only "Single-Family" or "Two-Family" if that is what is being worked on. In other words, do not check either of these two blocks if only a new detached garage is being built, even if it serves a one or two family dwelling. Instead, check "Garage" and number of stalls. If the project is a community based residential facility serving 3 to 8 residents, it is considered a single-family dwelling.


14. Estimated Cost - Include the total cost of construction, including materials and market rate labor, but not the cost of land or landscaping.

SIGNATURE – The owner or the contractor’s authorized agent shall sign and date this application form. If you do not possess the Dwelling Contractor certification, then you will need to check the owner-occupancy statement for any erosion control or construction permits.

CONDITIONS OF APPROVAL - The authority having jurisdiction uses this section to state any conditions that must be complied with pursuant to issuing the building permit.

ISSUING JURISDICTION: This must be completed by the authority having jurisdiction.

- Check off Jurisdiction Status, such as town, village, city, county or state and fill in Municipality Name
- Fill in State Inspection Agency number only if working under state inspection jurisdiction.
- Fill in Municipality Number of Dwelling Location
- Check off type of Permit Issued, such as construction, HVAC, electrical or plumbing.
- Fill in Wisconsin Uniform Permit Seal Number, if project is a new one- or two-family dwelling.
- Fill in Name and Inspector Certification Number of person reviewing building plans and date building permit issued.
Cautionary Statement to Owners Obtaining Building Permits

101.65(lr) of the Wisconsin Statutes requires municipalities that enforce the Uniform Dwelling Code to provide an owner who applies for a building permit with a statement advising the owner that:

If the owner hires a contractor to perform work under the building permit and the contractor is not bonded or insured as required under s. 101.654 (2) (a), the following consequences might occur:

(a) The owner may be held liable for any bodily injury to or death of others or for any damage to the property of others that arises out of the work performed under the building permit or that is caused by any negligence by the contractor that occurs in connection with the work performed under the building permit.

(b) The owner may not be able to collect from the contractor damages for any loss sustained by the owner because of a violation by the contractor of the one- and two- family dwelling code or an ordinance enacted under sub. (1) (a), because of any bodily injury to or death of others or damage to the property of others that arises out of the work performed under the building permit or because of any bodily injury to or death of others or damage to the property of others that is caused by any negligence by the contractor that occurs in connection with the work performed under the building permit.

Cautionary Statement to Contractors for Projects Involving Building Built Before 1978

If this project is in a dwelling or child-occupied facility, built before 1978, and disturbs 6 sq. ft. or more of paint per room, 20 sq. ft. or more of exterior paint, or involves windows, then the requirements of ch. DHS 163 requiring Lead-Safe Renovation Training and Certification apply. Call (608)261-6876 or go to the Wisconsin Department of Health Services’ lead homepage for details of how to be in compliance.

Wetlands Notice to Permit Applicants

You are responsible for complying with state and federal laws concerning the construction near or on wetlands, lakes, and streams. Wetlands that are not associated with open water can be difficult to identify. Failure to comply may result in removal or modification of construction that violates the law or other penalties or costs. For more information, visit the Department of Natural Resources wetlands identification web page or contact a Department of Natural Resources service center.

Additional Responsibilities for Owners of Projects Disturbing One or More Acre of Soil

I understand that this project is subject to ch. NR 151 regarding additional erosion control and stormwater management standards, and will comply with those standards.

Owner's Signature: ___________________________   Date: ________________
**Building Address** | 0 | 0 | 0
--- | --- | --- | ---
**Lot No.** | **Block** | **Subdivision Name** | **Furnace UNIT #1 - Heating/cooling**
**building type** | **new or replacement** | **furnace** | **type of fuel**
--- | --- | --- | ---
new furnace & duct work | $60.00 | $0.00 | appliance name | Btu's
new AC | $45.00 | $0.00 | appliance name | tons
replacement furnace | $35.00 | $0.00 | appliance name | Btu's
replacement AC | $35.00 | $0.00 | appliance name | tons
new and replacement air handling units | $60.00 | $0.00 | appliance name
new and replacement unit heaters | $35.00 | $0.00 | appliance name | Btu's
new and replacement boilers | $35.00 | $0.00 | appliance name | Btu's
exhaust system | $25.00 | $0.00 | appliance name

**Unit 1** = $0.00

**Additional Items Added**

<table>
<thead>
<tr>
<th>item</th>
<th>cost/item</th>
<th>quantity</th>
<th>total cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>fireplace</td>
<td>$35.00</td>
<td></td>
<td>$0.00</td>
</tr>
<tr>
<td>wood stove</td>
<td>$35.00</td>
<td></td>
<td>$0.00</td>
</tr>
<tr>
<td>commercial exhaust systems/hoods</td>
<td>$35.00</td>
<td></td>
<td>$0.00</td>
</tr>
<tr>
<td>other/Misc.</td>
<td>$30.00</td>
<td></td>
<td>$0.00</td>
</tr>
</tbody>
</table>

**Additional Items cost =** $0.00

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**CONDITIONS OF APPROVAL**

This permit is granted upon the express condition that the persons or firm above named (as the contractor) agrees to comply with all ordinances, laws and orders in effect at this time in the City of Fort Atkinson, and the State of Wisconsin regulating the construction and zoning of buildings. This permit may be revoked at any time upon violation of any provision of said laws, ordinances or orders. This permit shall have lapsed and be void unless building operations are commenced within 60 days, and also unless the proposed construction is completed within two years from issuance.

Signature of Applicant | X | DATE | X

---

**Permit Issued by**

| Unit #1 | $0.00 |
| Additional Items | $0.00 |

**Sub total =** $0.00

**+ Base Permit Fee** $30.00
### PLUMBING PERMIT APPLICATION

**CITY OF FORT ATKINSON**

<table>
<thead>
<tr>
<th>Permit No</th>
<th>Date</th>
<th>Phone #</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>07/08/11</td>
<td></td>
</tr>
</tbody>
</table>

#### Owner Information
- **Owner name:**
- **Owners address:**

#### Contractors Information
- **Contractors name:**
- **Contractors address:**
- **Plumber's State License Number:**
- **Type of License:**

#### Water Service Information
- **Water Service Type:**
- **Water Service Size:**
- **Water Service installed - from/to:**

#### Sewer Service Information
- **Sewer Service Type:**
- **Sewer Service Size:**
- **Sewer Service installed - from/to:**

#### Lot Information
- **Lot No.**
- **Block**
- **Subdivision Name**

#### Project Address

#### Table: Quantity, Cost, and Fixture Type

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Fixture Type</th>
<th>Cost Per Item</th>
<th>Sum</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>catch basin</td>
<td>$75.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>showers</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>bath tub/shower</td>
<td>$6.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>floor drains</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ice machines</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>laundry tubs</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>irrigation system</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Backflow preventer</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>cloths washer</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>sum</strong></td>
<td>$0.00</td>
</tr>
</tbody>
</table>

**Total:** **$0.00**

#### Sewer and/or Water Lateral
- **Sewer and/or Water Lateral:**
- **Number of Fixtures:**

#### Please Note:
1. All Building sewers within the City of Fort Atkinson are required to be cast iron or P.V.C.
2. All Trench excavation, on City Right-of-Ways or property, will be protected by OSHA Standards.
3. Sewer mains cannot be tapped without approval of the City Engineer or Plumbing Inspector, and then only by the methods so approved by these offices.
4. All laterals, other than copper, shall be "safe sampled" prior to pressure testing.
5. All laterals 1 1/2 inch or larger shall be checked at 150 psi for two hours.
6. All laterals serving fire protection systems shall be checked at 200 psi for two hours.
7. Water meters will not be set until final occupancy is granted by the Building Inspector. It is the responsibility of the contractor or property owner to contact the Water Dept. for meter installation.
8. Construction water accounts shall be established, with the Water Dept., prior to water being turned on.
9. All trench fills on City right-of-ways shall be done per the City of Fort Atkinsons Standards and Specs.

The applicant agrees to comply with the Wisconsin Plumbing Code and other Municipal, State Ordinances. And with the conditions of this permit understands that the issuance of the permit creates no legal liability expressed implied on the Department or Municipality and certifies that information is accurate.

**Signature of Applicant**

**Signature Date**

**CONDITIONS OF APPROVAL** This permit is granted upon the express condition that the persons or firm above named (as the contractor) agrees to comply with all ordinances, laws and orders in effect at this time in the City of Fort Atkinson, and the State of Wisconsin regulating the construction and zoning of buildings. This permit may be revoked at any time upon violation of any provision of said laws, ordinances or orders. This permit shall have lapsed and be void unless building construction is commenced within 60 days, and also unless the proposed construction is completed within two years from issuance.

**Permit issued by**

**8:08 AM 7/8/2011**

**Total Fee:** **$30.00**
### New 1 & 2 Family Homes
Note: This item covers all electrical installations in new 1 & 2 family homes except the following:

<table>
<thead>
<tr>
<th>number of living units</th>
<th>cost per living unit</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 1,000 sq. ft.</td>
<td>$70.00</td>
<td></td>
</tr>
<tr>
<td>1,001 to 2,000 sq. ft.</td>
<td>$90.00</td>
<td></td>
</tr>
<tr>
<td>2,001 to 3,000 sq. ft.</td>
<td>$100.00</td>
<td></td>
</tr>
<tr>
<td>3,001 sq. ft.</td>
<td>$110.00</td>
<td></td>
</tr>
</tbody>
</table>

### Heating, Ventilation & Air Conditioning

<table>
<thead>
<tr>
<th>number of items</th>
<th>cost per item</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric heating devices</td>
<td>$5.00</td>
<td></td>
</tr>
<tr>
<td>Oil or gas heating units</td>
<td>$10.00</td>
<td></td>
</tr>
<tr>
<td>Exhaust fans</td>
<td>$5.00</td>
<td></td>
</tr>
<tr>
<td>Air conditioning</td>
<td>$10.00</td>
<td></td>
</tr>
<tr>
<td>Motors &amp; controllers</td>
<td>$10.00</td>
<td></td>
</tr>
</tbody>
</table>

### Services and Sub panels

<table>
<thead>
<tr>
<th>number of services</th>
<th>cost per service</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 100 amperes</td>
<td>$25.00</td>
<td></td>
</tr>
<tr>
<td>101 to 200 amperes</td>
<td>$30.00</td>
<td></td>
</tr>
<tr>
<td>201 to 400 amperes</td>
<td>$35.00</td>
<td></td>
</tr>
<tr>
<td>401 to 600 amperes</td>
<td>$45.00</td>
<td></td>
</tr>
<tr>
<td>Over 600 amperes</td>
<td>$55.00</td>
<td></td>
</tr>
<tr>
<td>Sub panel</td>
<td>$6.00</td>
<td></td>
</tr>
</tbody>
</table>

### Remodeling and Additions

<table>
<thead>
<tr>
<th>number of items</th>
<th>cost per item</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outlets &amp; Lighting Fixtures</td>
<td>$0.75</td>
<td></td>
</tr>
<tr>
<td>Direct wired appliances (dishwashers, disposal fans, smoke detectors, openers)</td>
<td>$5.00</td>
<td></td>
</tr>
<tr>
<td>220 volt outlets</td>
<td>$5.00</td>
<td></td>
</tr>
<tr>
<td>Pole and sign lights</td>
<td>$10.00</td>
<td></td>
</tr>
</tbody>
</table>

### Miscellaneous

<table>
<thead>
<tr>
<th>number of items</th>
<th>cost per item</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generators, transformers, reactors, rectifiers, capacitors, heaters, converters, similar devices</td>
<td>$10.00</td>
<td></td>
</tr>
<tr>
<td>Movie picture, x-ray machines, therapeutic equipment, and similar equipment</td>
<td>$10.00</td>
<td></td>
</tr>
<tr>
<td>Communication circuits</td>
<td>$5.00</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL =** $
Erosion Control for Home Builders

By controlling erosion, home builders help keep our lakes and streams clean.

Eroding construction sites are a leading cause of water quality problems in Wisconsin. For every acre under construction, about a dump truck and a half of soil washes into a nearby lake or stream unless the builder uses erosion controls. Problems caused by this sediment include:

- **Taxes**
  Cleaning up sediment in streets, sewers and ditches adds extra costs to local government budgets.

- **Lower property values**
  Neighboring property values are damaged when a lake or stream fills with sediment. Shallow areas encourage weed growth and create boating hazards.

- **Poor fishing**
  Muddy water drives away fish like northern pike that rely on sight to feed. As it settles, sediment smotheres gravel beds where fish like smallmouth bass find food and lay their eggs. Soil particles in suspension can act like a sand blaster during a storm and damage fish gills.

- **Nuisance growth of weeds and algae**
  Sediment carries fertilizers that fuel algae and weed growth.

- **Dredging**
  The expense of dredging sediment from lakes, harbors and navigation channels is paid for by taxpayers.

This fact sheet includes the diagrams and step-by-step instructions needed by builders on most home sites. Additional controls may be needed for sites that have steep slopes, are adjacent to lakes and streams, receive a lot of runoff from adjacent land, or are larger than an acre.

If you need help developing an erosion control plan or training your staff, contact your local building inspection, zoning or erosion control office.

**Controlling Erosion is Easy**

Erosion control is important even for home sites of an acre or less. The materials needed are easy to find and relatively inexpensive – straw bales or silt fence, stakes, gravel, plastic tubes, and grass seed. Putting these materials to use is a straightforward process. Only a few controls are needed on most sites:

- Preserving existing trees and grass where possible to prevent erosion;
- Revegetating the site as soon as possible;
- Silt fence or straw bales to trap sediment on the downslope sides of the lot;
- Placing soil piles away from any roads or waterways;
- Diversions on upslope side and around stockpiles;
- Stone/rock access drive used by all vehicles to limit tracking of mud onto streets;
- Cleanup of sediment carried off-site by vehicles or storms; and
- Downspout extenders to prevent erosion from roof runoff.
**Straw Bale or Silt Fence**
- Install within 24 hours of land disturbance.
- Install on downslope sides of site parallel to contour of the land.
- Extended ends upslope enough to allow water to pond behind fence.
- Bury eight inches of fabric in trench (see back page).
- Stake (two stakes per bale).
- Leave no gaps. Stuff straw between bales, overlap sections of silt fence, or twist ends of silt fence together.
- Inspect and repair once a week and after every 1/2-inch rain. Remove sediment if deposits reach half the fence height. Replace bales after three months.
- Maintain until a lawn is established.

**Soil Piles**
- Cover with plastic and locate away from any downslope street, driveway, stream, lake, wetland, ditch or drainageway.
- Temporary seed such as annual rye or winter wheat is recommended for topsoil piles.

**Access Drive**
- Install an access drive using two-to-three-inch aggregate prior to placing the first floor decking on foundation.
- Lay stone six inches deep and at least seven feet wide from the foundation to the street (or 50 feet if less).
- Use to prevent tracking mud onto the road by all vehicles.
- Maintain throughout construction.
- In clay soils, use of geotextile under the stone is recommended.

**Sediment Cleanup**
- By the end of each work day, sweep or scrape up soil tracked onto the road.
- By the end of the next work day after a storm, clean up soil washed off-site.

**Sewer Inlet Protection**
- Protect on-site storm sewer inlets with straw bales, silt fences or equivalent measures.
- Inspect, repair and remove sediment deposits after every storm.

**Downspout Extenders**
- Not required, but highly recommended.
- Install as soon as gutters and downspouts are completed to prevent erosion from roof runoff.
- Use plastic drainage pipe to route water to a grassed or paved area. Once a lawn is established, direct runoff to the lawn or other pervious areas.
- Maintain until a lawn is established.

**Preserving Existing Vegetation**
- Wherever possible, preserve existing trees, shrubs, and other vegetation.
- To prevent root damage, do not grade, place soil piles, or park vehicles near trees marked for preservation.
- Place plastic mesh or snow fence barriers around trees to protect the root area below their branches.

**Revegetation**
- Seed, sod or mulch bare soil as soon as possible. Vegetation is the most effective way to control erosion.

**Seeding and Mulching**
- Spread four to six inches of topsoil.
- Fertilize and lime if needed according to soil test (or apply 10 lb./1000 sq. ft. of 10-10-10 fertilizer).
- Seed with an appropriate mix for the site (see table).
- Rake lightly to cover seed with 1/4” of soil. Roll lightly.
- Mulch with straw (70-90 lb. or one bale per 1000 sq. ft.).
- Anchor mulch by punching into the soil, watering, or by using netting or other measures on steep slopes.
- Water gently every day or two to keep soil moist. Less watering is needed once grass is two inches tall.

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**A poorly installed silt fence will not prevent soil erosion. Fabric must be buried in a trench and sections must overlap (see diagram on back of this fact sheet).**

**WARNING! Extra measures may be needed if your site:**

- is within 300 feet of a stream or wetland;
- is within 1000 feet of a lake;
- is steep (slopes of 12% or more);
- receives runoff from 10,000 sq. ft. or more of adjacent land;
- has more than an acre of disturbed ground.

For information on appropriate measures for these sites, contact your local building inspection, zoning or erosion control office.
Sodding

- Spread four to six inches of topsoil.
- Fertilize and lime if needed according to soil test (or apply 10 lb./1000 sq. ft. of 10-10-10 fertilizer).
- Lightly water the soil.
- Lay sod. Tamp or roll lightly.
- On slopes, lay sod starting at the bottom and work toward the top. Laying in a brickwork pattern. Peg each piece down in several places.
- Initial watering should wet soil six inches deep (or until water stands one inch deep in a straight-sided container). Then water lightly every day or two to keep soil moist but not saturated for two weeks.
- Generally, the best times to sod and seed are early fall (Aug. 15-Sept. 15) or spring (May). If construction is completed after September 15, final seeding should be delayed. Sod may be laid until November 1. Temporary seed (such as rye or winter wheat) may be planted until October 15.

Mulch or matting may be applied after October 15, if weather permits. Straw bale or silt fences must be maintained until final seeding or sodding is completed in spring (by June 1).

Concrete Wash Water

- Dispose of concrete wash water in an area of soil away from surface waters where soil can act as a filter or evaporate the water. Dispose of remaining cement. Be aware that this water can kill vegetation.

De-Watering

- Dispose of de-watering water in a pervious area. Prevent the discharge of sediment from de-watering operations into storm sewers and surface waters.

Material Storage

- Manage chemicals, materials and other compounds to avoid contamination of runoff.

Typical Lawn Seed Mixtures

<table>
<thead>
<tr>
<th>Grass</th>
<th>Sunny Site</th>
<th>Shady Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kentucky bluegrass</td>
<td>65%</td>
<td>15%</td>
</tr>
<tr>
<td>Fine fescue</td>
<td>20%</td>
<td>70%</td>
</tr>
<tr>
<td>Perennial ryegrass</td>
<td>15%</td>
<td>15%</td>
</tr>
</tbody>
</table>

Seeding rate 3-4 10 lb./1000 sq. ft. 4-5 10 lb./1000 sq. ft.

**Straw Bale Fences**

1. Install as soon as possible after start of grading.
2. Use two-to-three-inch aggregate stone.
3. Drive must be at least seven feet wide and 50 feet long or the distance to the foundation, whichever is less.
4. Replace as needed to maintain six-inch depth.

**Silt Fences**

1. Excavate a 4” deep trench along the contour.
2. Stake the silt fence on downslope side of trench. Extended 8” of fabric into the trench.
3. When joints are necessary, overlap ends for the distance between two stakes.
4. Backfill and compact the excavated soil.

**Access Drive**

1. Install as soon as possible after start of grading.
2. Use two-to-three-inch aggregate stone.
3. Drive must be at least seven feet wide and 50 feet long or the distance to the foundation, whichever is less.
4. Replace as needed to maintain six-inch depth.

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This publication is available from county UW-Extension offices or from Extension Publications, 630 W. Mifflin St., Madison, WI 53703. (608) 262-3346.

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Standard Erosion Control Plan
for 1- & 2-Family Dwelling Construction Sites

According to Chapters Comm 20 & 21 of the Wisconsin Uniform Dwelling Code, soil erosion control information needs to be included on the plot plan which is submitted and approved prior to the issuance of building permits for 1- & 2-family dwelling units in those jurisdictions where the soil erosion control provisions of the Uniform Dwelling Code are enforced. This Standard Erosion Control Plan is provided to assist in meeting this requirement.

Instructions:
1. Complete this plan by filling in requested information, completing the site diagram and marking appropriate boxes on the inside of this form.
2. In completing the site diagram, give consideration to potential erosion that may occur before, during, and after grading. Water runoff patterns can change significantly as a site is reshaped.
3. Submit this plan at the time of building permit application.

PROJECT LOCATION __________________________________________________________
BUILDER ______________________________ OWNER ______________________________
WORKSHEET COMPLETED BY _____________________ DATE _______________________

SITE DIAGRAM Scale: 1 inch = ____ feet

EROSION CONTROL PLAN LEGEND

- PROPERTY LINE
- EXISTING DRAINAGE
- TD TEMPORARY DIVERSION
- FINISHED DRAINAGE
- LIMITS OF GRADING
- SILT FENCE
- STRAW BALES
- GRAVEL
- VEGETATION SPECIFICATION
- TREE PRESERVATION
- STOCKPILED SOIL

Please indicate north by completing the arrow.
EROSION CONTROL PLAN CHECKLIST

Check (✔) appropriate boxes below, and complete the site diagram with necessary information.

Site Characteristics

North arrow, scale, and site boundary. Indicate and name adjacent streets or roadways.
Location of existing drainageways, streams, rivers, lakes, wetlands or wells.
Location of storm sewer inlets.
Location of existing and proposed buildings and paved areas.
The disturbed area on the lot.
Approximate gradient and direction of slopes before grading operations.
Approximate gradient and direction of slopes after grading operations.
Overland runoff (sheet flow) coming onto the site from adjacent areas.

Erosion Control Practices

Location of temporary soil storage piles.
Note: Soil storage piles should be placed behind a sediment fence, a 10 foot wide vegetative strip, or should be covered with a tarp or more than 25 feet from any downslope road or drainageway.

Location of access drive(s).
Note: Access drive should have 2 to 3 inch aggregate stone laid at least 7 feet wide and 6 inches thick. Drives should extend from the roadway 50 feet or to the house foundation (whichever is less).

Location of sediment controls (filter fabric fence, straw bale fence or 10-foot-wide vegetative strip) that will prevent eroded soil from leaving the site.

Location of sediment barriers around on-site storm sewer inlets.

Location of diversions.
Note: Although not specifically required by code, it is recommended that concentrated flow (drainageways) be diverted (re-directed) around disturbed areas. Overland runoff (sheet flow) from adjacent areas greater than 10,000 sq. ft. should also be diverted around disturbed areas.

Location of practices that will be applied to control erosion on steep slopes (greater than 12% grade).
Note: Such practices include maintaining existing vegetation, placement of additional sediment fences, diversions, and re-vegetation by sodding or seeding with use of erosion control mats.

Location of practices that will control erosion on areas of concentrated runoff flow.
Note: Unstabilized drainageways, ditches, diversions, and inlets should be protected from erosion through use of such practices as in-channel fabric or straw bale barriers, erosion control mats, staked sod, and rock rip-rap. When used, a given in-channel barrier should not receive drainage from more than two acres of unpaved area, or one acre of paved area. In-channel practices should not be installed in perennial streams (streams with year round flow).

Location of other planned practices not already noted.
Indicate management strategy by checking (✔) the appropriate box.

Management Strategies

Temporary stabilization of disturbed areas.
Note: It is recommended that disturbed areas and soil piles left inactive for extended periods of time be stabilized by seeding (between April 1 and September 15), or by other cover, such as tarping or mulching.

Permanent stabilization of site by re-vegetation or other means as soon as possible (lawn establishment).
- Indicate re-vegetation method: ☐ Seed ☐ Sod ☐ Other __________
- Expected date of permanent re-vegetation: _________________________
- Re-vegetation responsibility of: ☐ Builder ☐ Owner/Buyer
- Is temporary seeding or mulching planned if site is not seeded by Sept. 15 or sodded by Nov. 15? ☐ Yes  ☐ No

Use of downspout and/or sump pump outlet extensions.
Note: It is recommended that flow from downspouts and sump pump outlets be routed through plastic drainage pipe to stable areas such as established sod or pavement.

Trapping sediment during de-watering operations.
Note: Sediment-laden discharge water from pumping operations should be ponded behind a sediment barrier until most of the sediment settles out.

Proper disposal of building material waste so that pollutants and debris are not carried off-site by wind or water.

Maintenance of erosion control practices.
- Sediment will be removed from behind sediment fences and barriers before it reaches a depth that is equal to half the height of the barrier.
- Breaks and gaps in sediment fences and barriers will be repaired immediately. Decomposing straw bales will be replaced (typical bale life is three months).
- All sediment that moves off-site due to construction activity will be cleaned up before the end of the same workday.
- All sediment that moves off-site due to storm events will be cleaned up before the end of the next workday.
- Access drives will be maintained throughout construction.
- All installed erosion control practices will be maintained until the disturbed areas they protect are stabilized.
EROSION CONTROL REGULATIONS

Erosion control and stormwater regulations can be complex. Local, state and, in some cases, federal regulations may apply. Before construction make sure you have the appropriate permits.

LOCAL ORDINANCES

Check with your county, city, village, or town for any local erosion control ordinances including shoreland zoning requirements. Except for new 1- & 2-family dwellings, local ordinances may be more strict than state regulations. They may also require erosion control on construction projects not affected by state or federal regulations.

UNIFORM DWELLING CODE (DEPT. OF COMMERCE)

CONTROLS REQUIRED

• Silt fences, straw bales, or other approved perimeter measures along downslope sides and side slopes.
• Access drive.
• Straw bales, filter fabric fences or other barriers to protect on-site sewer inlets.
• Additional controls if needed for steep slopes or other special conditions.

FOR MORE INFORMATION, CONTACT:

• Local building inspector
• Department of Commerce, Safety and Buildings Division, P.O. Box 7970, Madison, Wis. 53707-7970, (608) 267-5113.

STORMWATER PERMIT (DEPT. OF NATURAL RESOURCES)

CONTROLS REQUIRED

• Erosion control measures specified in the Wisconsin Construction Site Best Management Practice Handbook.
• Measures to control storm water after construction.

FOR MORE INFORMATION, CONTACT

• Department of Natural Resources, Storm Water Permits, P.O. 7921, Madison, WI 53707-7921, (608) 267-7694.


Erosion Control for Home Builders (GWQ001) can be ordered through Extension Publications, (608) 262-3346 or the Department of Commerce, (608) 267-4405. A PDF version of Erosion Control for Home Builders (GWQ001) and Standard Erosion Control Plan are also available at http://clean-water.uwex.edu/pubs/sheets
REQUIRED EROSION CONTROL MEASURES
INSTALLATION/MAINTENANCE AGREEMENT

1. All erosion control methods shall be installed to maximize performance and in compliance with WI SPS 321.125 and City of Fort Atkinson Erosion Control Ordinances.
2. The goal of Erosion Control is to keep all sediment from leaving the property and entering the Rock or Bark River as well as local streams and wetlands.
3. Erosion control measures shall be installed prior to ANY site disturbance activities.
4. Erosion controls (tracking pads, silt fence, silt socks, straw bales) shall be maintained weekly and before any precipitation event. Accumulated sediment shall be removed, gaps repaired, and failed materials replaced to ensure proper function.
5. Sediment leaving the disturbance area shall be cleaned up and is subject to fines under the City of Fort Atkinson Illicit Discharge Ordinance.
6. Erosion control measures must remain IN PLACE and MAINTAINED until the site is inspected for 70% permanent grass / vegetation coverage.

AGREEMENT:
I hereby certify that I understand the construction site erosion control provisions of the Wisconsin Uniform Dwelling Code and the City of Fort Atkinson, and that I accept responsibility for installing and maintaining the erosion control plan submitted, and approved by the City of Fort Atkinson.

Name of responsible party

Signature

Telephone number

Date

City Approval

Date