

## Grundy County

Land Use Department  
1320 Union Street  
Morris, IL 60450  
(815) 941-3229  
(815) 941-3432 (fax)



8/7/2020

TO: Home Builders and General Contractors  
FROM: Heidi H. Miller; Director *[Signature]*  
RE: Permit Information for Single Family Homes

We look forward to working with you as you construct in Grundy County.

As we are a service organization, we would like to provide you with as much information on the steps to obtain a permit.

### Packet:

In this packet you will find:

- Application which includes the contractors listing for the project
- Driveway and culvert approval sheets
- School Site Donation sheet to be taken to the Tax Assessor's office
- Setback requirements
- Inspections required
- Passive radon example details

### Submittal:

The submittal is ready to our office please make sure that you have the following items:

- 1) One set of 2 x 3 plans that are stamped and signed by an IL Registered Architect
- 2) Plans need to show compliance to the 2018 International Residential Code, 2017 National Electric Code, 2018 II Energy Code, and the II State plumbing Code.
- 3) ResCheck and a Manual J need to be provided.
- 4) Survey showing location of the home and the distance (setbacks) to the property lines
- 5) Floodplain compliance (if applicable)

### Process:

Once obtained it will take a minimum of 10 days to review the plans. During the review time, permits for septic and well shall be obtained from the Environmental Health Department (815) 941-3115 and all contractors shall be licensed or obtaining their licenses.

Once the plans are approved, a permit will be issued if:

- Septic and Well permits are completed
- All contractors are licensed
- School Site donation is paid
- Building Fee of \$1500.00 is paid

Please feel free to call my office if you should have any questions in regard to this process.

Thank you again for your interest in Grundy County and welcome!

# Grundy County Land Use Department

## Building and Zoning Office

1320 Union Street  
Morris, IL 60450  
(815) 941-3228  
(815) 941-3432 (fax)



### SINGLE FAMILY HOME BUILDING PERMIT APPLICATION

Owner: \_\_\_\_\_

Owner Address: \_\_\_\_\_

Cell Phone: \_\_\_\_\_

Email Address: \_\_\_\_\_

Construction Address: \_\_\_\_\_

Property Index Number: \_\_\_\_\_

PLEASE LIST ALL OF THE CONTRACTORS ON THE SECOND PAGE OF THIS APPLICATION.

Estimated Cost of Home: \_\_\_\_\_

Dimensions of Home (width, length, height): \_\_\_\_\_

Stories: \_\_\_\_\_

Bedroom: \_\_\_\_\_ Bathroom: \_\_\_\_\_

Signature of Owner: \_\_\_\_\_ Date: \_\_\_\_\_

Signature of General Contractor: \_\_\_\_\_  
\_\_\_\_\_ Date: \_\_\_\_\_

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#### Office Use Only

Approved: \_\_\_\_\_ Date: \_\_\_\_\_ EXP Date: \_\_\_\_\_

Total Cost of Permit: \_\_\_\_\_ School Site Donation Amount: \_\_\_\_\_

Additionally Approval Dates: EH: \_\_\_\_\_ Fire Department: \_\_\_\_\_ Floodplain: \_\_\_\_\_

Payment: Cash: \_\_\_\_\_ Check: \_\_\_\_\_ Receipt: \_\_\_\_\_ Date: \_\_\_\_\_

## Contractor Listing:

General Contractor: \_\_\_\_\_

Cell Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Excavator: \_\_\_\_\_

Cell Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Carpenter: \_\_\_\_\_

Cell Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Electrician: \_\_\_\_\_

Cell Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Roofing: \_\_\_\_\_

Cell Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Concrete: \_\_\_\_\_

Cell Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Plumbing: \_\_\_\_\_

Cell Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Insulation: \_\_\_\_\_

Cell Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Drywall: \_\_\_\_\_

Cell Phone: \_\_\_\_\_ Email: \_\_\_\_\_

HVAC: \_\_\_\_\_

Cell Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Other: \_\_\_\_\_

Cell Phone: \_\_\_\_\_ Email: \_\_\_\_\_

If there are any changes to the contractors for this project, please let us know at (815) 941-3228.

**Grundy County Land Use Department**

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**Application for Contractor License**

Company Name: \_\_\_\_\_

Street Address (No PO Box): \_\_\_\_\_

\_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

**Contact Information:**

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Email: \_\_\_\_\_

Cell Phone: \_\_\_\_\_

**Construction Work Performed by the Company:**

\_\_\_\_\_  
\_\_\_\_\_

*In order to obtain a contractor license, please provide the following:*

- 1) *A certification of insurance for the minimum coverage of the following:*
  - *\$500,000.00 Personal Property Damage and Bodily Injury Naming Grundy County as Holder*
- 2) *A licensing and permit bond (L & P Bond) in the amount of \$10,000.00 that covers all aspects of the construction work performed by the Company.*
- 3) *Fee of \$150.00*
- 4) *Roofing, fire sprinkler, irrigation, and private alarm contractors shall provide the current state license for their company and complete this form. Insurance and fees are not required for these contractors.*

I agree to comply with the current Grundy County Building Codes and Requirements of the Land Use Department:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**For Office Use Only:** Date: \_\_\_\_\_ Cash: \_\_\_\_\_ Check #: \_\_\_\_\_

Receipt #: \_\_\_\_\_ Contractor License Number: \_\_\_\_\_

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## **Concrete Cold Weather Requirements**

The Grundy County Land Use Department enforces the 2018 International Code Council (I.C.C.) building series of codes.

**Cold weather** is defined as when conditions are such that the outdoor ambient temperature is less than 40 degrees F for four days.

The following requirements will be employed for cold weather concrete pours:

**Subgrade:**

- 1) Excavations shall not be left open for greater than twenty four hours (24) hours.
- 2) All excavations for concrete pours shall be protected from frost migration immediately after excavation with the use of thermal blankets.
- 3) Subgrade shall be free of any ground water, ice, or frost prior to pour.

**Footings:**

- 1) Footings are allowed to be poured when the temperature is 20 degrees F and rising with the following stipulations enforced
  - Concrete shall be maintained at a temperature of 50 degrees F for a period of three consecutive days after the placement of the concrete.
  - Protection in the form of thermal blankets shall be provided in place for the period of three days following the pour.

**Foundations:**

- 1) Foundation walls may be poured when the outside ambient air temperature is 40 degrees F or above. ACI 318-08 requirements will be applied if the outside ambient air temperature is below 40 deg F.
- 2) Concrete shall be maintained at a temperature of not less than 50 degrees F for a minimum of seven (7) consecutive days.
- 3) Insulated blankets need to be provided for the entire height and width of the poured walls and shall be left on for curing for a period of 3 days or greater.

**Flatwork:**

- 1) Minimum air temperature shall be 32 deg F and rising for the pour.
- 2) The excavated site, stone subgrade shall be free from frost or water, and shall be protected with thermal blankets prior to the pour.
- 3) Thermal blankets shall be used after the pour and maintained in place for a period of 5 days after pour.
- 4) Concrete contractor may use high strength concrete with a minimum of a 6-bag mix with the condition that the temperature of the concrete is maintained at 50 deg F for a period of three (3) days following the pour with the use of a thermal blanket.

**Admixtures:**

- 1) The use of Calcium Chloride is prohibited.
- 2) Any admixtures that are used for water reduction and setting time modification shall conform to the requirements of standard ASTM C494.
- 3) Any admixtures for use in producing flowing concrete shall conform to ASTM C1017.
- 4) Air-entraining admixtures shall conform to ASTM C260.

By signing as the General Contractor/Owner, I understand that the cold weather requirements will be followed:

\_\_\_\_\_  
General Contractor/Owner

\_\_\_\_\_  
Date

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### SCHOOL SITE DONATION

The Grundy County Code Land-Cash Ordinance requires that a fee be collected for each new single family home that is constructed in the unincorporated areas of Grundy. The fee is to be used by the schools that are located in the area in which the home is proposed.

If a lot is within a subdivision, the fees are set. If a lot is not within a subdivision, the school site donation is determined based on the cost of the lot, number of bedrooms, and the estimated cost of the septic and the well.

Please take this sheet and complete all items in Yellow. Then take this form to the Tax Assessor's office at the Grundy County Courthouse located at 111 E. Washington St, Morris.

The Tax Assessor will forward the form completed and send it to our office for final determination of your school site donation amounts. You may call our secretary at (815) 941-3228 for that amount.

Name: \_\_\_\_\_

Property Index Number (PIN#): \_\_\_\_\_

Number of Bedrooms: \_\_\_\_\_ Well Cost: \_\_\_\_\_ Septic Cost: \_\_\_\_\_

Fair Market Value of unimproved Land: \_\_\_\_\_

Verification: \_\_\_\_\_

Grade School Donation: \_\_\_\_\_

Middle School Donation: \_\_\_\_\_

High School Donation: \_\_\_\_\_

**Total School Site Donation Amount:** \_\_\_\_\_

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### GRUNDY COUNTY CULVERT PERMIT

This form shall be completed by the Township Road Commissioner in your Township. It shall be turned in as part of your submittal for a single family home building permit.

This approvals verifies that the culvert that was installed has met with the approval of the Road Commissioner.

A sheet is attached that provides you with the name and contact information for the Road Commissioners in Grundy County by Township.

Name(s) of Owner(s): \_\_\_\_\_

PIN# of the parcel: \_\_\_\_\_

Name of the Road: \_\_\_\_\_

City: \_\_\_\_\_

Length, diameter, and materials for the culvert:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Installation of the culvert and entrance location approved by:

Signature

Date

Print Name and Title

[illegible]



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### Occupancy Requirements and Owner/General Contractor Understanding

Homes may be occupied when the following occurs:

- 1) Environmental Health Department approves the water from the well and also the septic system
- 2) The plumbing final inspection passes
- 3) The building final inspection passes
- 4) All re-inspection fees are paid if applicable.

As the homeowner and general contractor for this construction of the new home, we ask that you read the following and sign below:

*I understand as the future homeowner/general contractor that occupancy of the home will not occur until all of the four items listed above have been met.*

---

Homeowner

---

Date

---

General Contractor

---

Date

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### FARMLAND PRESERVATION POLICY

The majority of land that is located in Grundy County is used for agricultural use. Illinois Compiled Statutes, Chapter 5, paragraph 1101 et. Sq. (1989) provides farmers with the statutory defense against nuisance suits where a farm has been in operation for more than one year and operation according to the established standards.

It is the official stated policy of Grundy County to encourage development within the county to occur in such a fashion as to minimize conflict between farming and other land uses. This policy is expressed in the current zoning regulations of the Grundy County Unified Development Ordinance and shall be incorporated into any new plan prepared by the County.

As there is also a balance of residential within the county, those that are constructing a residential home within an agriculturally used area need to be understanding of the normal functions of rural areas.

Living within the rural areas, you may encounter a number of practices that the area farmers will be carrying out as part of their normal agricultural function.

Some of those functions that residents will need to be cognizant of is the following:

- Wide, slow moving farm equipment on the roads, the fields at different times of the day and night.
- Dust and odors from the operation of machinery as well as herbicides, pesticides, fertilizers, and manure.
- Wind-blown debris such as corn stalks, soybean residue, husks, etc.
- Airplanes applying herbicides, pesticides, or other materials
- Odors from livestock operations or stray livestock
- Drainage problems and flooding may occur during heavy rainfall

As a future resident of the unincorporated area of Grundy County, please acknowledge that you have read and understand this policy of Grundy County regarding the protection of agricultural operations.

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Signature of Owner

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Date

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Printed Name of Owner

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### Grundy County Fire Service Driveway Specifications and Approval

If a new driveway is being installed for a construction project that is equal or greater than 200'-0" in length, a Fire Department approval is required. The Fire Department having jurisdiction may provide a waiver from any of the requirements that are listed below.

This application is to be completed by the property owner, and approved by the Fire Department having jurisdiction.

The following are specifications which all of the Fire Departments within Grundy County accepted:

- 1) Unrestricted height shall be a minimum of 14'-0" and must be maintained by the owner of the parcel.
- 2) Unrestricted width shall be a minimum of 16'-0" and must be maintained by the owner of the parcel.
- 3) Driveways shall be completed prior to any combustible materials being brought on site.
- 4) Gates:
  - Shall be a minimum of 16'-0" in width
  - Shall be recessed off of the right of way a minimum of 48'-0" for turning radius abilities of the trucks.
  - May require a Knox Box if the Fire Department requires. Knox Box is required to be installed at the owner's expense.
- 5) Culvert to be installed in accordance with the private road standard or requirements set forth by the Road Commissioner shall have the following:
  - Minimum turning radius of 45'-0"
  - Culvert shall be galvanized
  - Culvert depth and size shall be approved by the Road Commissioner
- 6) At the end of the driveway there shall be the following:
  - An unrestricted area that has the dimensions of 60'-0" x 60'-0" which will allow the Fire Department to operate.
  - The unrestricted area shall be within 75'-0" from the structure.
- 7) Provide and include the following attachments:
  - Plat of survey showing the location of the driveway
- 8) A reflective numerical sign shall be installed at the entrance of the driveway in accordance with the requirements of the Fire Department.

Property Owner Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Email Address: \_\_\_\_\_

Cell Phone: \_\_\_\_\_

Property Pin#: \_\_\_\_\_

The information that was provided to the Fire Department meets with the requirements listed herein and also with any additional requirements for the Fire Department having jurisdiction:

\_\_\_\_\_  
Signature of Fire Chief or Designee

\_\_\_\_\_  
Date

Fire Department	Chief / Deputy Chief	E-Mail Address	Phone or Fax number
Allen Fire Protection District 102 S. Lincoln St. Ransom, IL 60470			815-586-4421 815-586-4421 (fax)
Braceville Fire Protection District Main & Mitchell Street P.O. Box 286 Braceville, IL 60404	Nathan Basham Mike Nicola	bracevillefpd@gmail.com	815-237-8862 815-237-8720 (fax)
Braidwood Fire Department 275 W. Main Street P.O. Box 309 Braidwood, IL 60408	Barry Eggers – Chief Scott Favero – Deputy Chief Mike Shorkey – Captain	<a href="mailto:beggers@braidwoodfire.org">beggers@braidwoodfire.org</a> <a href="mailto:sfavero@braidwoodfire.org">sfavero@braidwoodfire.org</a> <a href="mailto:mshorkey@braidwoodfire.org">mshorkey@braidwoodfire.org</a>	815-458-2000 815-458-3636 (Fax)
Channahon Fire Protection Dist. Station 1 24929 S. Center St. Channahon, IL 6041 Station 2 23341 W. McClintock Road Channahon, IL 60410	John Petrakis – Chief Jeff Toepper – Deputy Chief Laron Sullivan – Fire Inspector Jacque McLaughlin – Administrative Assistant	<a href="mailto:jpetrakis@channahonfire.com">jpetrakis@channahonfire.com</a>  <a href="mailto:jmclaughlin@channahonfire.com">jmclaughlin@channahonfire.com</a>	815-467-6767 815-467-5081 (fax)  815-467-2666
Coal City Fire Protection Dist. 35 S. Dewitt Place P.O. Box 219 Coal City, IL 60416	James Seerup – Chief Karl Wexelberg – Deputy Chief Dale Watson – Deputy Chief Nick Doerfler – PR /Building Inspector	<a href="mailto:jseerup@ccfire.net">jseerup@ccfire.net</a> <a href="mailto:kwexelberg@ccfire.net">kwexelberg@ccfire.net</a> <a href="mailto:dwatson@ccfire.net">dwatson@ccfire.net</a> <a href="mailto:ndoerfler@ccfire.net">ndoerfler@ccfire.net</a>	815-634-4700 815-634-4069 (fax)
Dwight Fire Department 111 South Prairie Avenue Dwight, IL 60420	Paul Johnson - chief Justin Dyer – Deputy Chief Cory Scoles - Captain	<a href="mailto:pjohnson@dwightfire.org">pjohnson@dwightfire.org</a> <a href="mailto:jdver@dwightfire.org">jdver@dwightfire.org</a> <a href="mailto:cscoles@dwightfire.org">cscoles@dwightfire.org</a>	815-584-2373 815-584-4030 (fax)

<b>Fire Department</b>	<b>Chief / Deputy Chief</b>	<b>E-Mail Address</b>	<b>Phone / Fax Number</b>
Gardner Volunteer Fire Dept. 206 N. Depot St. P.O. Box 181 Gardner, IL 60424	Brian Jensen – Chief		815-237-8806
Mazon Fire Protection District 700 Park St. / P.O. Box 267 Mazon, IL 60444	Thomas Sereno – Chief Mark Brookman II – Asst. Chief	<a href="mailto:Mazonfd_3400@yahoo.com">Mazonfd_3400@yahoo.com</a>	815-448-5460 815-448-5670 (fax)
Minooka Fire Protection District 7901 East Minooka Road Minooka, IL 60447	Al Yancey Jr. – Chief Brad Sprague – Deputy Chief William Collins – Building Inspector	<a href="mailto:yancya@minookafire.com">yancya@minookafire.com</a> <a href="mailto:spragueb@minookafire.com">spragueb@minookafire.com</a> <a href="mailto:collinsw@minookafire.com">collinsw@minookafire.com</a>	815-467-5637 815-467-5453 (fax)
Morris Fire Department 121 West Main Street Station 2 2301 Ashton Road Morris, IL 60450	Tracey Steffes – Chief Robert Wills – Deputy Chief Jeff Wilson – Asst. Chief	<a href="mailto:tsteffes@morrisfd.org">tsteffes@morrisfd.org</a> <a href="mailto:rwills@morrisfd.org">rwills@morrisfd.org</a> <a href="mailto:jwilscn@morrisfd.org">jwilscn@morrisfd.org</a>	815-942-2830 815-416-0452 (fax)
Seneca Fire Department 121 West Armour Street P.O. Box 985 Seneca, IL 61360	Kett Johnson – Chief Jason Bersano – Deputy Chief	<a href="mailto:Fire3902@krausononline.com">Fire3902@krausononline.com</a>	815-357-1600 815-357-6247 (Fax)
South Wilmington Fire Dept. 330 Lake St. / P.O. Box 285 South Wilmington, IL 60474	Monty Serena - Chief		815-237-2244 815-237-8034 (Fax)
Verona – Kinsman Fire Dept. 405 Division St. / P.O. Box 132 Verona, IL 60479	John Phelan – Chief		815-228-2320 815-228-2320 (fax)

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### DRAINAGE DISTRICT NOTIFICATION

Complete and mail this form to the Drainage District that is charge of storm water regionally for your parcel. The drainage district is listed on your tax listing for the parcel. A map of the locations of the Drainage Districts is provided.

Complete Below:

Drainage District Effected: \_\_\_\_\_

Name of Owners of Parcel: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Email: \_\_\_\_\_

Location PIN#: \_\_\_\_\_

Improvement: \_\_\_\_\_

Send this sheet to the Drainage District noted on your tax bill or the region in which the structure will be located in.

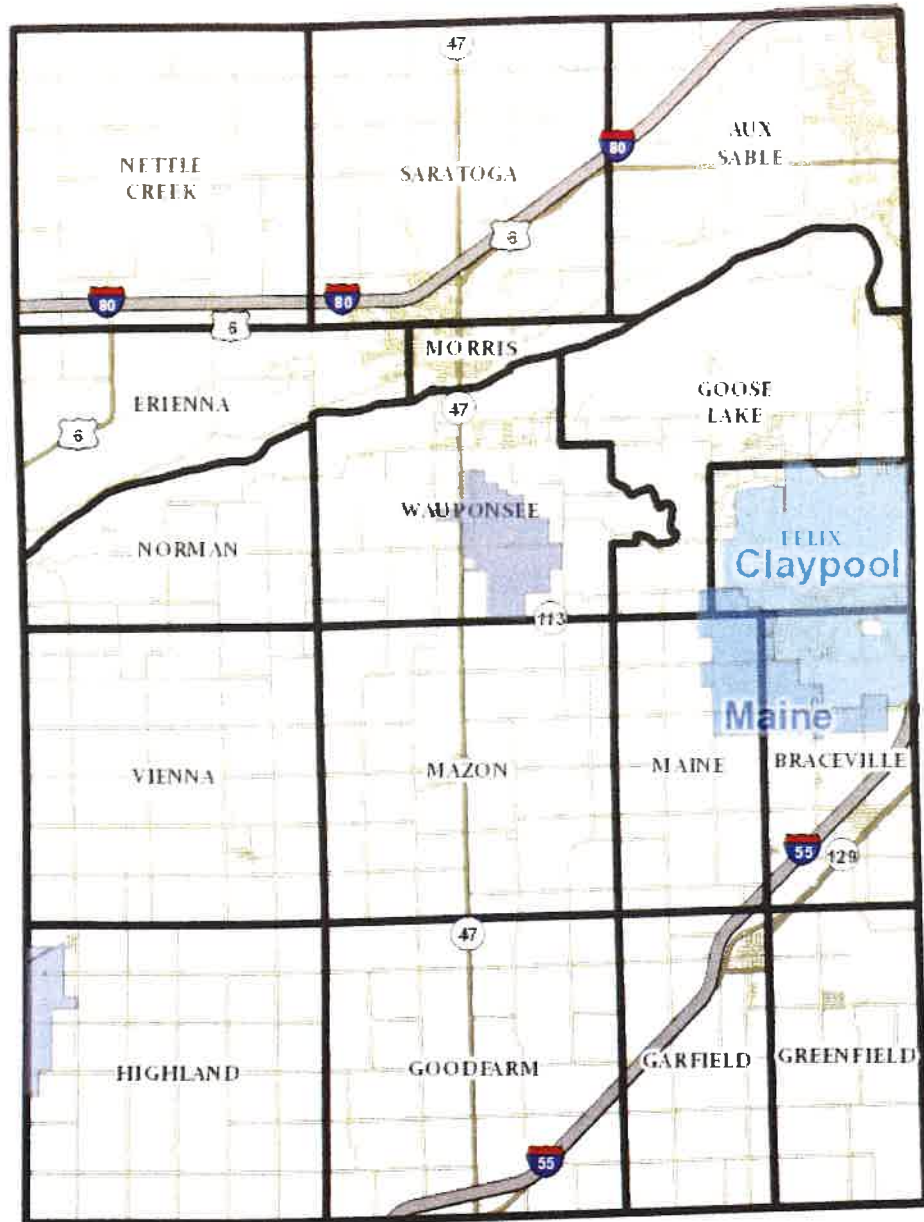
Please Mail to:

Claypool: Robert Koerner  
113 E. 3<sup>rd</sup> Street  
Coal City, IL 60416

Maine: Mark and Rita Wills  
205 Jugtown Road  
Coal City, IL 60416

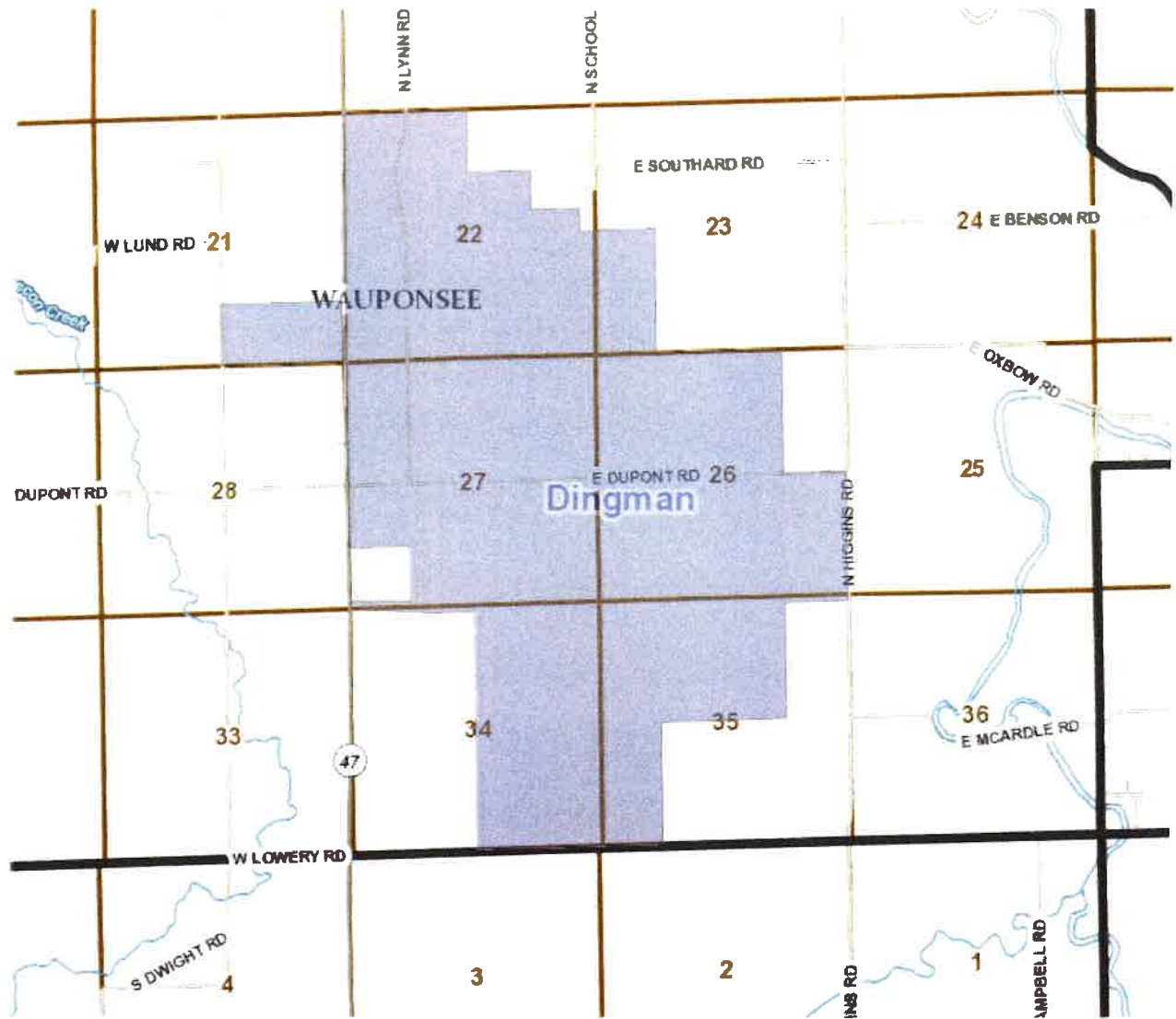
Dingham: Robert Hunt  
1280 E. DuPont Road  
Morris, IL 60450

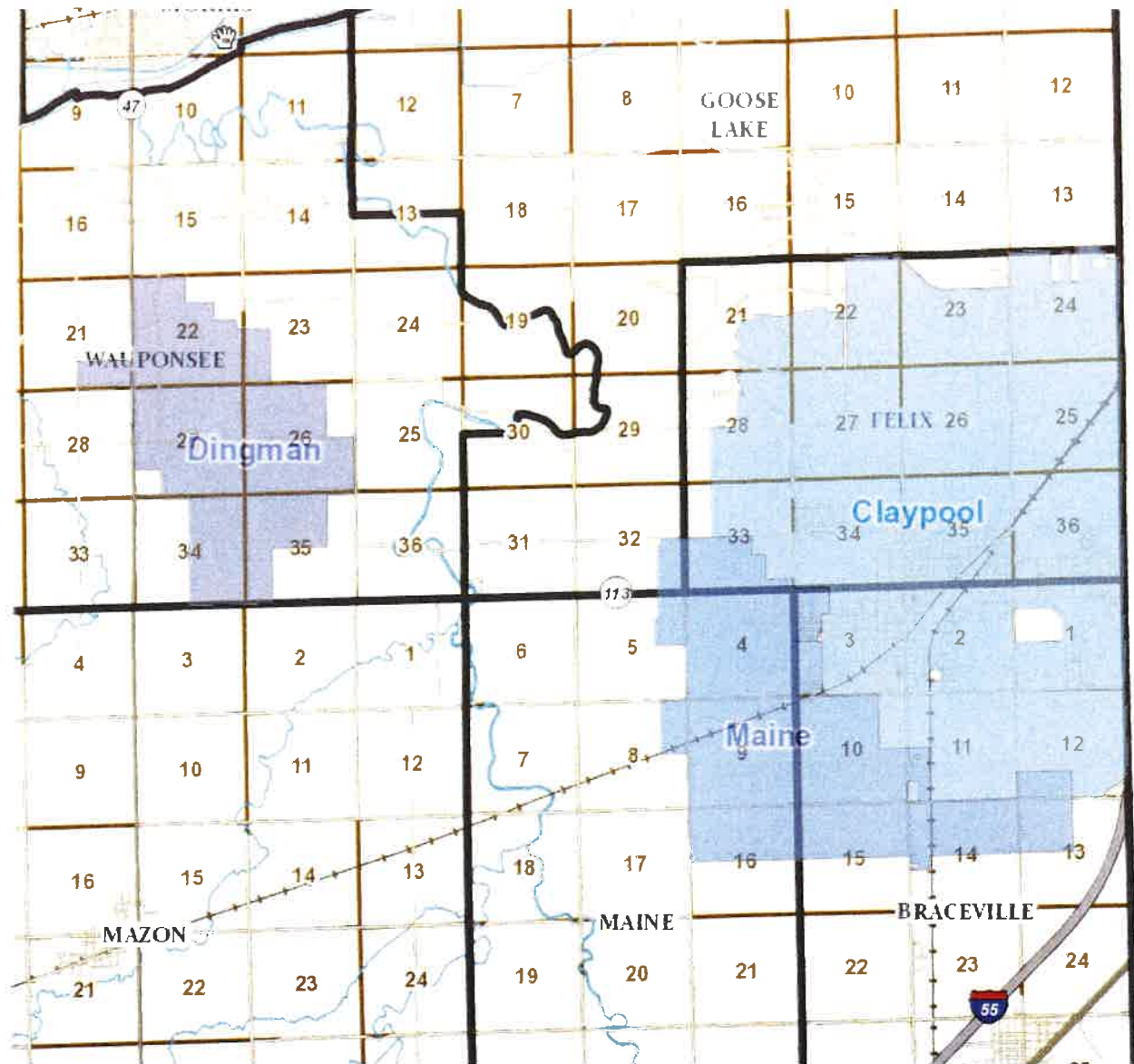
Allen: Rich Burton  
227 W. Madison Street  
Ottawa, IL 61350

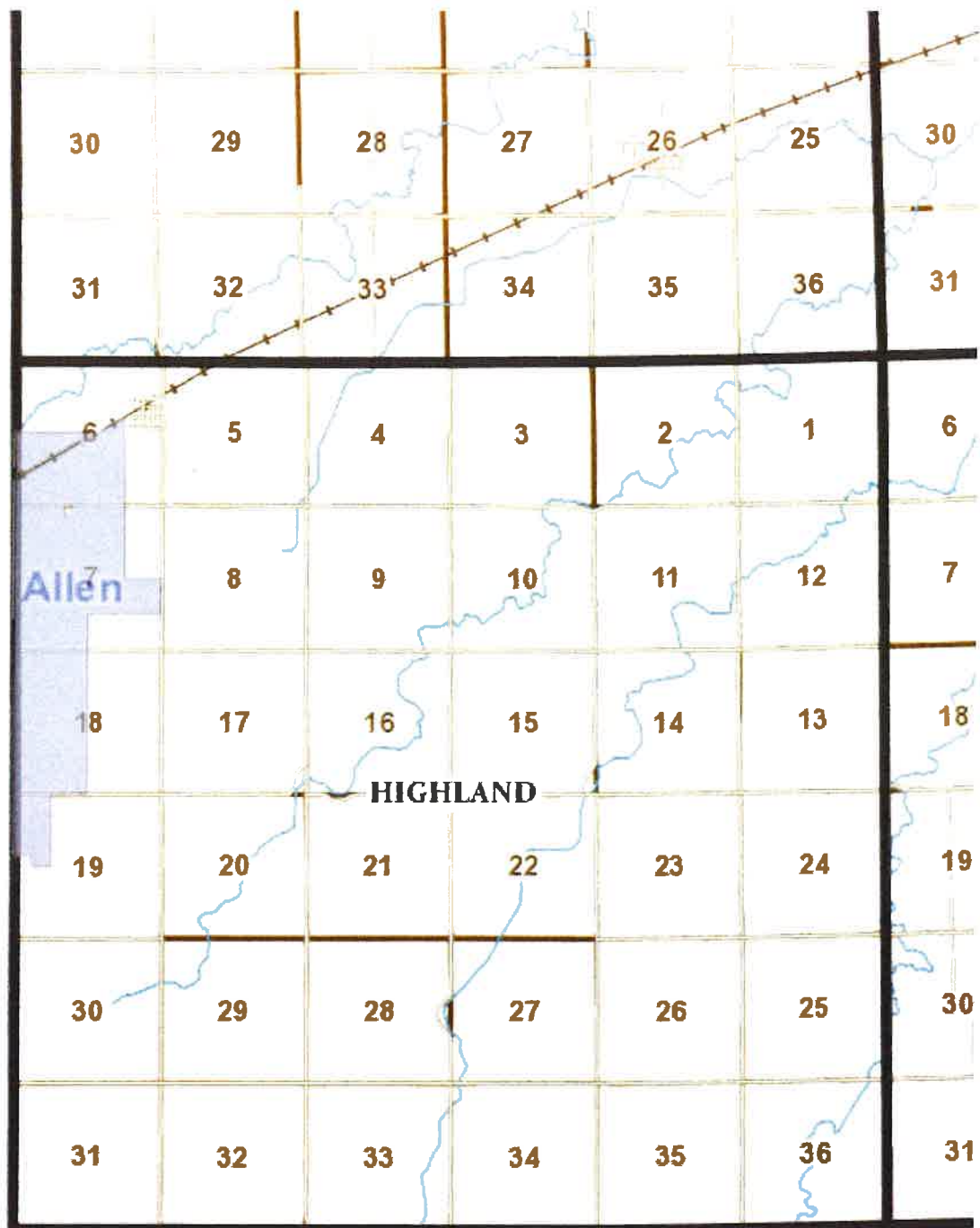




# DRAINAGE DISTRICTS FOR GRUNDY COUNTY







## **Grundy County**

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### **Inspections Required for a Single Family Home**

All inspections shall be phoned in 24 hours in advance to (815) 941-3228 to the Land Use Secretary to ensure that the expected inspection date can be met.

The following are the inspections that are required for all single family homes:

- 1) Location to ensure survey was followed
- 2) Pre-pour for the footing
- 3) Pre-pour for the foundation
- 4) Backfill once damp proofing, insulation, and the drain tile are in place
- 5) Underground basement plumbing inspection where ladder is provided
- 6) Basement pre-pour
- 7) Garage pre-pour
- 8) Electrical Service shall have the meter socket open, three legs in, and rod properly grounded.
- 9) Rough framing, electric, and hvac. This inspection will include all firestopping that will not be seen during insulation.
- 10) Rough plumbing
- 11) Insulation/firestopping
- 12) Driveway/porch/patio pre-pours
- 13) Final plumbing
- 14) Final building where the blower door test results are provided to the inspector

If any of these inspections fail, please call when they are completed. All reinspections have a charge of \$75.00/inspections and it is expected that they are paid for prior to the next inspection.

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### SETBACK REQUIREMENTS FOR HOMES

The setbacks for the location of a home are dependent on the zoning and location of your property. Setbacks are measured as the minimum distance from the property line to the foundation of the home. The following is a table showing the setbacks for your use:

#### Setbacks based on Zoning District:

Zoning District	Front yard	Side yard	Rear yard
A - Agricultural	50 feet	30 feet	50 feet
AR- Ag Residential	50 feet	50 feet	50 feet
R – Residential	The setback for the front, side and rear is dependent on the other setbacks for the existing subdivision.		
PR – Planned Residential	The setbacks are going to be approved as a full subdivision.		

#### Setbacks when adjacent to a main thoroughfare:

If the lot or parcel is adjacent to a main thoroughfare (federal, state road) such as I47 the setback shall be as follows:

Total Setback = 40 feet from the center line of the road + 40 feet for frontage road plan + Zoning setback

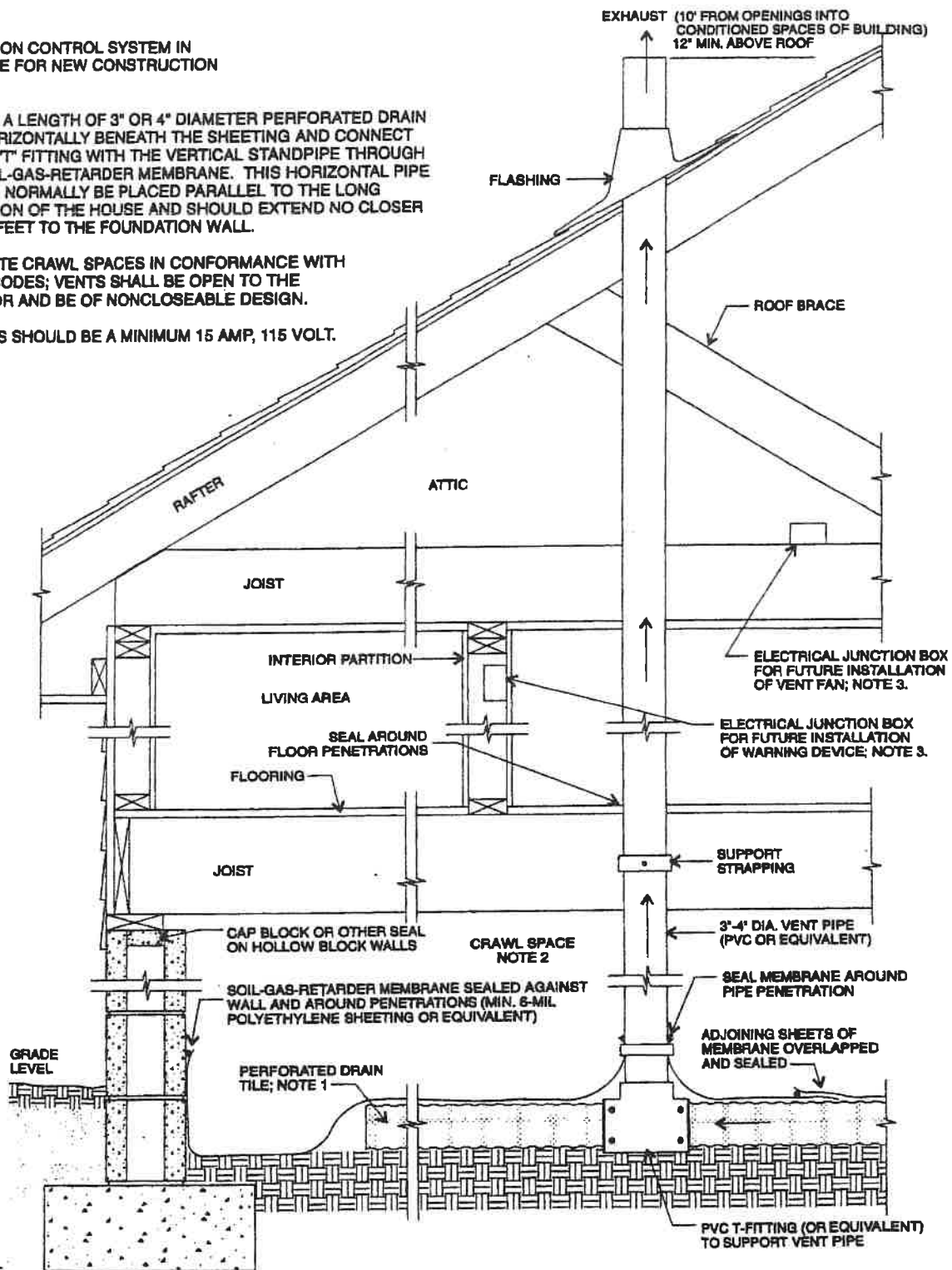
#### Submittal:

The setbacks are required to be shown on the plat of survey for the parcel and submitted with the single family home permit packet.

**PASSIVE RADON CONTROL SYSTEM IN CRAWL SPACE FOR NEW CONSTRUCTION**

**NOTES:**

1. INSTALL A LENGTH OF 3" OR 4" DIAMETER PERFORATED DRAIN TILE HORIZONTALLY BENEATH THE SHEETING AND CONNECT TO THE "T" FITTING WITH THE VERTICAL STANDPIPE THROUGH THE SOIL-GAS-RETARDER MEMBRANE. THIS HORIZONTAL PIPE SHOULD NORMALLY BE PLACED PARALLEL TO THE LONG DIMENSION OF THE HOUSE AND SHOULD EXTEND NO CLOSER THAN 6 FEET TO THE FOUNDATION WALL.
2. VENTILATE CRAWL SPACES IN CONFORMANCE WITH LOCAL CODES; VENTS SHALL BE OPEN TO THE EXTERIOR AND BE OF NONCLOSEABLE DESIGN.
3. CIRCUITS SHOULD BE A MINIMUM 15 AMP, 115 VOLT.



**Figure 6**  
**PASSIVE SUB-MEMBRANE DEPRESSURIZATION SYSTEM**

## Passive Radon System details required for all new homes.

### PASSIVE SUB-SLAB DEPRESSURIZATION RADON CONTROL SYSTEM FOR NEW CONSTRUCTION

#### NOTES:

1. ALL CONCRETE SLABS THAT COME IN CONTACT WITH THE GROUND SHALL BE LAID OVER A GAS-PERMEABLE MATERIAL MADE UP OF EITHER A MINIMUM 4" THICK UNIFORM LAYER OF CLEAN AGGREGATE, OR A MINIMUM 4" THICK UNIFORM LAYER OF SAND, OVERLAIN BY A LAYER OR STRIPS OF MANUFACTURED MATTING DESIGNED TO ALLOW THE LATERAL FLOW OF SOIL GASES.
2. ALL CONCRETE FLOOR SLABS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH LOCAL BUILDING CODES. ADDITIONAL REFS: AMERICAN CONCRETE INSTITUTE PUBLICATIONS, "ACI302.1R" & "ACI332R," OR THE POST TENSIONING INSTITUTE MANUAL, "DESIGN AND CONSTRUCTION OF POST-TENSIONED SLABS ON GROUND."
3. ALL OPENINGS, GAPS AND JOINTS IN FLOOR AND WALL ASSEMBLIES IN CONTACT SOIL OR GAPS AROUND PIPES, TOILETS, BATHTUBS OR DRAINS PENETRATING THESE ASSEMBLIES SHALL BE FILLED OR CLOSED WITH MATERIALS THAT PROVIDE A PERMANENT AIR-TIGHT SEAL. SEAL LARGE OPENINGS WITH NONSHRINK MORTAR, GROUTS OR EXPANDING FOAM MATERIALS AND SMALLER GAPS WITH AN ELASTOMERIC JOINT SEALANT, AS DEFINED IN ASTM C920-87.
4. VENT PIPES SHALL BE INSTALLED SO THAT ANY RAINWATER OR CONDENSATION DRAINS DOWNWARD INTO THE GROUND BENEATH THE SLAB OR SOIL-GAS-RETARDER MEMBRANE.
5. CIRCUITS SHOULD BE A MINIMUM 15 AMP, 115 VOLT.

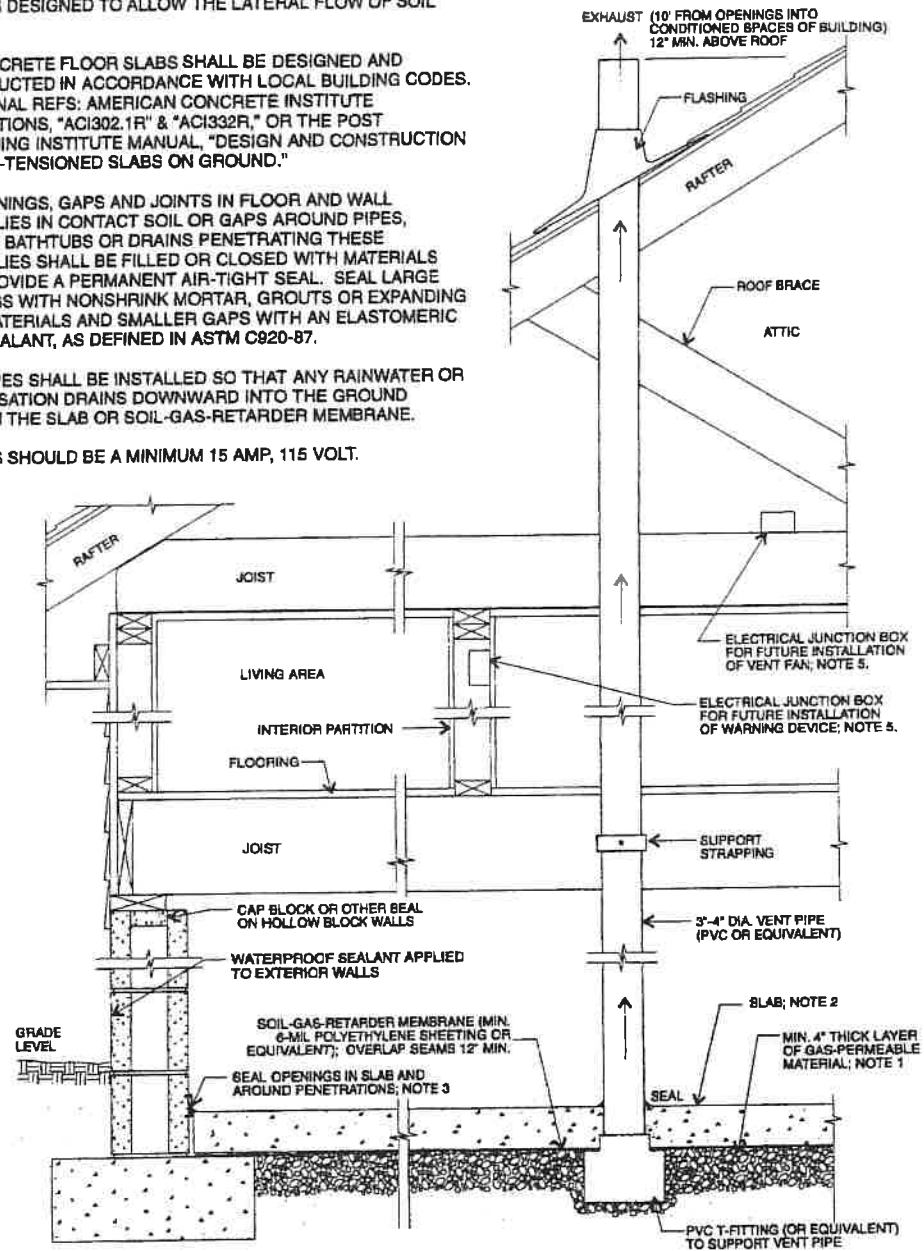


Figure 5  
PASSIVE SUB-SLAB DEPRESSURIZATION SYSTEM



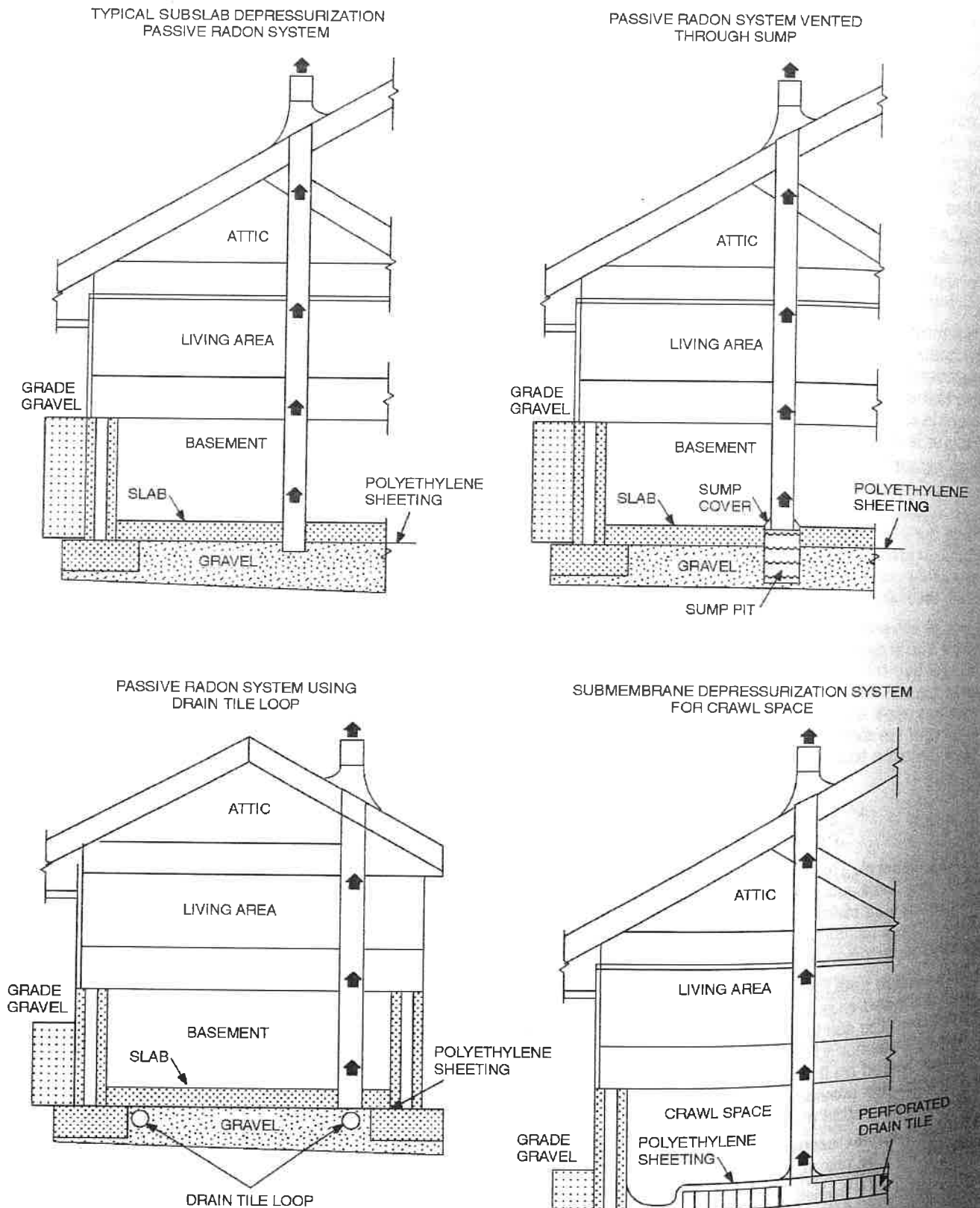


FIGURE AF103  
RADON-RESISTANT CONSTRUCTION DETAILS FOR FOUR FOUNDATION TYPES



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# THE POWER OF SMART PLANTING

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A GUIDE TO PLANTING NEAR POWER LINES



**ComEd**

A JPMorgan Chase Bank Company

powering lives

Dear ComEd customer,

This Power of Smart Planting booklet is a cooperative effort between ComEd and The Morton Arboretum. It's a resource for you when landscaping near power lines. With a little knowledge and some direction, you can play a part in limiting power outages.

Trees play a valuable role in our communities—they provide shade, wildlife habitat, and many other environmental benefits. However, tall trees that exist near power lines can threaten our ability to provide safe, reliable electric service. Approximately 92% of tree-related interruptions are caused by seemingly healthy tree branches that have been broken and come into contact with power lines running from pole to pole. High winds and storms can cause tree branches to break and fall onto lines, utility poles and other equipment, causing damage and service interruptions.

ComEd recommends planting low-growing trees and shrubs near power lines and keeping tall trees at a further distance. The Morton Arboretum offers expertise in tree and shrub selection to help you choose vegetation that will work best around power lines while adding beauty to your property. You'll find planting tips in this brochure that will help you successfully grow these plants and bring more value to your property for years to come. An easy-to-read species guide is included in this brochure.

To learn more about smart planting, visit **ComEd.com/Trees**.

Additional plant information can be found at **MortonArb.org**.

Sincerely,

The ComEd Vegetation Management Team

*This publication contains general guidelines and is applicable only to overhead local distribution lines on wood poles. Neither ComEd nor the Morton Arboretum can assume any responsibility for particular vegetation you plant. Please obey all codes and act safely whenever you are near electric lines.*