



## CITY OF NAPERVILLE

Transportation, Engineering, & Development (T.E.D.) Business Group

### **APPLICATION INFORMATION: STANDBY GENERATOR**

The City of Naperville requires that all generators, or other secondary structures added to a residential structure have **an issued building permit prior to beginning any construction**. Permit applications may be submitted to the T.E.D. Business Group between the hours of 8 a.m. and 4:30 p.m. (closed daily from 1-2pm) Monday through Friday.

#### **GENERATOR APPLICATION REQUIREMENTS**

The following items must be submitted when applying for a generator permit:

- A. A completed and signed building permit application form.
- B. Full size legal plat of survey with the following information:
  1. The generator drawn to scale showing where it will be placed on the lot (See Attachment # 1);
  2. The location of the electric meter, electric line and electric pedestal or pole, gas meter and any other utilities located near the proposed generator;
  3. All escape windows or other windows within the generator area;
  4. Indicate all other accessory structures (Air Conditioner, shed, pool heater, etc.) in the area of the proposed generator with distances between the structures;
  5. Indicate the set back dimension from the house to the lot line on the side closest to the generator.

***\*For assistance in finding underground utility locations, contact J.U.L.I.E. at 1-800-892-0123. Be sure to allow 48 hours for service. Remember that the spray-painted utility lines must remain visible for a future inspection.***

- C. Enlarged generator plan (recommend 1/4 " = 1'-0") indicating the following (See Attachment #2):
  1. Generator drawn to scale.
  2. Location of electric meter, electric line, electric pedestal or pole.
  3. Location of gas meter.
  4. Air Conditioning unit drawn to scale. (if applicable).
  5. Provide dimensions between all pieces of equipment.
  6. Provide dimensions from generator to house and to the lot line.
  7. Any other pertinent information that may be unique to the generator location.
- D. An electrical one-line diagram and meter location/installation diagram indicating compliance with the DPU-E Standards must be submitted. (See Attachment # 3):
- E. Manufacturer's cut sheets and specifications for the generator including the standby power rating in kilowatts, the noise level as measured in dB and at what distance, the unit size and venting discharge points, base requirements, the gas input in Btu's/h and clearance requirements.
- F. Provide the following documentation regarding the gas piping supply:
  1. Size of existing gas service to house.

2. The Btu's/h input for all gas fired equipment serving this property.
3. The size of the proposed new gas line to generator including material and location.
4. The gas pipe material, the shutoff valve, the union, and the burial depth or if above grade the distance from line to grade.

**"New"**

G. Digital photographs of the rear and sides of the house and a photograph of the electric meter showing approximately ten feet of the house on each side.

All construction drawings must be legible and complete. **The items listed in “Application Requirements” must be included as part of your application. Omission of any of these items will delay the approval of your application for permit.** The applicant will be notified when the permit has been approved.

#### **Additional requirements for STANDBY GENERATORS:**

1. A four feet (4) working clearance must be maintained around the meter. Indicate the location of the meter in relation to the generator.
2. If the existing meter is to be removed/replaced, the new installation must conform to DPU-E engineering standard C50-3310 for underground services, or C50-3230 for overhead services.
3. An externally mounted disconnecting device must be installed at the load side and adjacent to (within 2 feet of) the meter. It must provide a means of disconnecting the entire residence to ensure that there is no electrical back feed to the Naperville power distribution supply. The disconnecting device must also be readily accessible by DPU-E employees, and have a hasp or other device to allow DPU-E employees to use a padlock or meter seal to lock the device in the open position. Refer to DPU-E engineering standard.
4. **NOISE LEVEL** must not exceed the Naperville Standard which is for:
  - Residential use at 55 dBA at the property line for the hours of 7 AM to 7 PM
  - Residential use at 50 dBA at the property line for the hours of 7 PM to 7 AM
  - Per Naperville ordinance 6-14-4: Standards.
5. Naperville –Standby Electrical Generator Safety - Information sheet (See Attachment # 5)
6. A gas line addition on the house (non-service) side of the gas meter must be installed so as to maintain a minimum two foot clearance from the electric service line and meter trough, and must not cross over the top of the electric service line. An inspection of the trench will be required to verify that this requirement is being met.

**FEES** See Building Permit Fee Schedule for additional information.

#### **PERMITS**

Every building permit shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance. The permit is to be displayed in the window nearest to the front door for the duration of the construction and inspection process. After the construction is complete, please remove the building permit from the window and retain it for your personal homeowner's records.

## INSPECTIONS

There are three (3) required inspections during generator installation:

- 1. ELECTRIC SERVICE**
- 2. GAS PIPING INSPECTION BY PLUMBING INSPECTOR** - This inspection is conducted prior to or at the same time as the electrical inspection. **Call to schedule the inspection.** The inspection will verify gas piping materials, connections, pipe size and installation methods which meet the Naperville's Building Code.
- 3. ELECTRICAL FINAL INSPECTION** - This inspection is conducted after the generator has been installed. **Call to schedule this inspection.** The inspection will verify the location of the equipment including the setbacks, clearances, electrical connections and disconnect devices and other aspects of the generator meet the requirements of Naperville's Building Code.

## SCHEDULING INSPECTIONS

Inspections are scheduled by calling 630/420-6100 option 1 between the hours of 8:00 a.m. and 4:00 p.m. Monday through Friday. (**Closed daily from 1-2**) Please have the **permit number** and **site address** ready. In addition, please allow a minimum of 72 hours when scheduling an inspection. **Generator inspections are not scheduled at a set hour but will take place on the requested day.**

### Results:

- An inspection sticker will be posted on the door or window nearest the inspection site and will indicate PASS or FAIL and include specific deficiencies or special instructions.
- If the inspection is a PASS, you may proceed with your project.
- If the inspection is a FAIL, make corrections and return to the Municipal Center at 400 S. Eagle St. to pay for and reschedule your failed inspection.

### Inspection Dispatch

**Monday - Friday, 8:00 a.m. to 4:00 p.m. (Closed Daily from 1-2 pm)**

**630/420-6100 Option 1**

***\*SCHEDULE INSPECTIONS BY CALLING THE INSPECTION DESK.***

***\*DO NOT CALL THE INSPECTOR. \****

### Building Permits

**Monday-Friday, 8 a.m. to 5 p.m. (Closed Daily from 1-2 pm)**

**630/420-6100 Option 2**

***\*\*\*\*\*APPROVED PLANS MUST BE KEPT ON SITE\*\*\*\*\****



**CITY OF NAPERVILLE**

**Transportation, Engineering, & Development (T.E.D.) Business Group**

**APPLICATION FOR SECONDARY BUILDING PERMITS  
(DECK / PATIO / GAZEBO / CENTRAL AIR / POOL, etc.)**

This is an application for a building permit. A copy of the legal PLAT OF SURVEY for the property in question is required prior to further consideration. The plat must be signed and sealed by an Illinois Land Surveyor.

***PLEASE TYPE OR PRINT CLEARLY.***

SUBDIVISION \_\_\_\_\_  
UNIT NUMBER \_\_\_\_\_ LOT NUMBER \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
ZIP CODE \_\_\_\_\_

**GENERAL CONTRACTOR** \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ ST \_\_\_\_\_ ZIP \_\_\_\_\_  
PHONE \_\_\_\_\_

**APPLICANT** \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ ST \_\_\_\_\_ ZIP \_\_\_\_\_  
PHONE \_\_\_\_\_  
FAX \_\_\_\_\_  
E-MAIL ADDRESS \_\_\_\_\_

**ELECTRICAL CONTRACTOR (if applicable):**  
\_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ ST \_\_\_\_\_ ZIP \_\_\_\_\_  
PHONE \_\_\_\_\_  
FAX \_\_\_\_\_  
NAPERVILLE REGISTRATION NUMBER \_\_\_\_\_

**TYPE OF STRUCTURE:**  
\_\_\_\_\_

**PROJECT CONTACT PERSON: (Please print.)**  
\_\_\_\_\_

**DIMENSIONS OF STRUCTURE:**  
HEIGHT \_\_\_\_\_ WIDTH \_\_\_\_\_ LENGTH \_\_\_\_\_

PHONE \_\_\_\_\_  
FAX \_\_\_\_\_

**ZONING OF PROPERTY** \_\_\_\_\_

E-MAIL ADDRESS \_\_\_\_\_

**ESTIMATED COST OF WORK** \_\_\_\_\_

**OWNER** \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ ST \_\_\_\_\_ ZIP \_\_\_\_\_  
PHONE \_\_\_\_\_  
FAX \_\_\_\_\_  
E-MAIL ADDRESS \_\_\_\_\_

**PLEASE FILL OUT REVERSE SIDE. >>>>>>>**

**UNDER THE PENALTIES OF PERJURY AS PROVIDED BY LAW, THE UNDERSIGNED CERTIFIES THAT THE STATEMENTS SET FORTH IN THIS APPLICATION, PLANS, SPECIFICATIONS AND PLAT ARE TRUE AND CORRECT AND ARE IN ACCORDANCE WITH THE PROVISIONS AND REGULATIONS OF THE BUILDING CODE AND ALL OTHER CODES AND ORDINANCES OF NAPERVILLE APPLICABLE THERETO AND IN FORCE WHEN CONSTRUCTION IS COMMENCED. IF THE APPLICANT KNOWINGLY FALSIFIES ANY INFORMATION IN THIS APPLICATION, APPLICANT SHALL BE CONSIDERED IN VIOLATION OF SECTION 1-12-4 OF THE NAPERVILLE MUNICIPAL CODE AND SHALL BE FINED NOT LESS THAN FIFTY DOLLARS (\$50) NOR MORE THAN FIVE HUNDRED DOLLARS (\$500).**

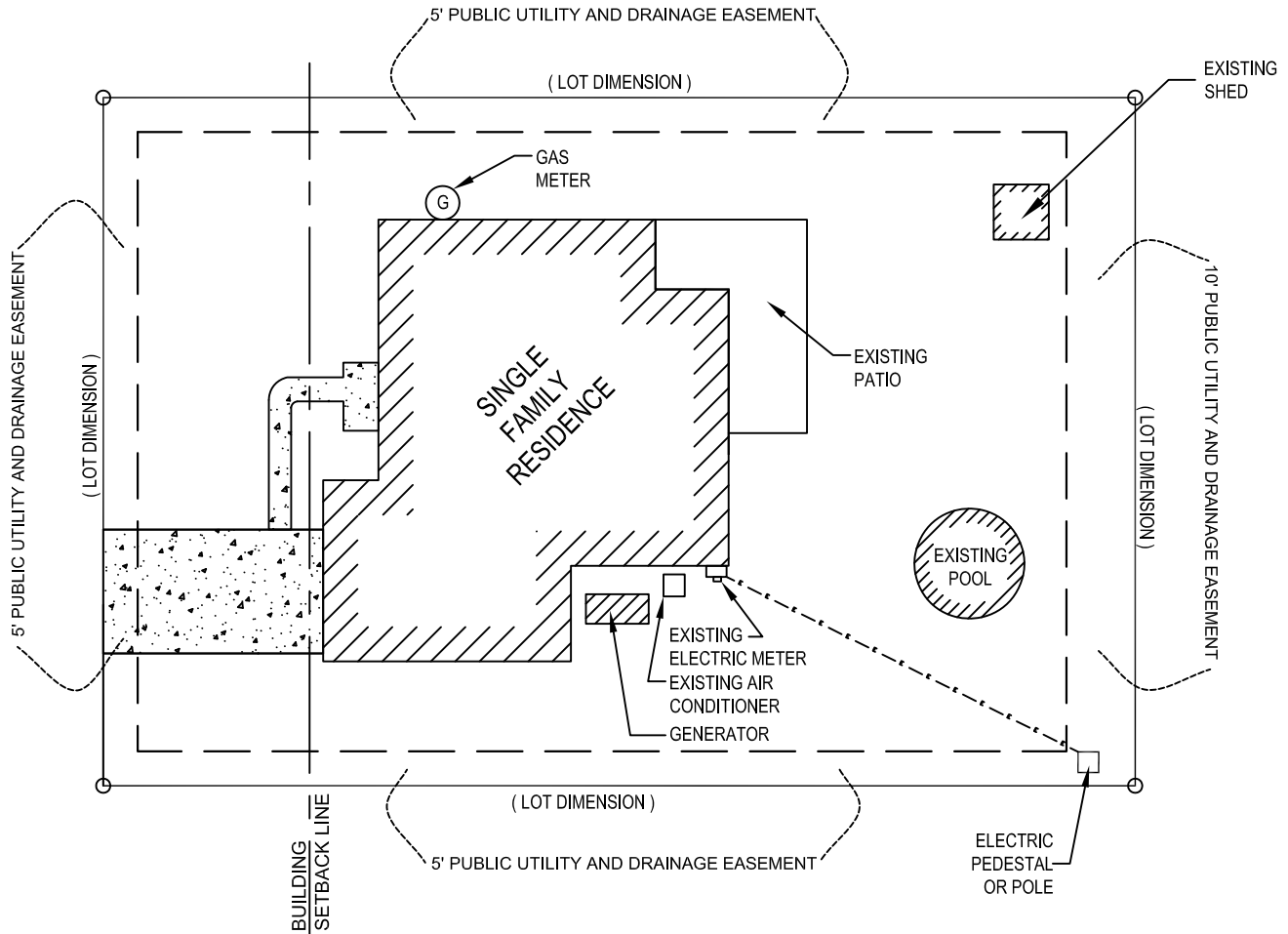
**SIGNATURE OF APPLICANT** \_\_\_\_\_ **DATE** \_\_\_\_\_

**SIGNATURE OF OWNER/AGENT** \_\_\_\_\_ **DATE** \_\_\_\_\_

***The parties agree that this document may be electronically signed. The parties agree that the electronic signatures appearing on this document are the same as handwritten signatures for the purposes of validity, enforceability, and admissibility.***

# PLAT OF SURVEY

LOT \_\_ IN BLOCK \_\_ IN \_\_ AT NAPERVILLE UNIT \_\_, BEING A SUBDIVISION OF PART OF THE  
 \_\_\_\_ QUARTER OF SECTION \_\_, TOWNSHIP \_\_ NORTH, RANGE \_\_ EAST OF THE THIRD  
 PRINCIPAL MERIDIAN ACCORDING TO THE PLAT THEREOF RECORDED \_\_\_\_, \_\_\_\_, AS  
 DOCUMENT NO. R-\_\_ IN \_\_\_\_ COUNTY, ILLINOIS.



- GENERAL NOTES:**
1. MUST SHOW PROPOSED GENERATOR DRAWN TO SCALE SHOWING WHERE IT WILL BE PLACED ON THE LOT.
  2. MUST INCLUDE LEGAL DESCRIPTION OF THE LOT.
  3. MUST SHOW LOCATION OF ELECTRIC METER, ELECTRIC PEDESTAL OR POLE, ELECTRIC LINE AND ANY OTHER UTILITIES LOCATED NEAR THE PROPOSED GENERATOR
  4. MUST SHOW ALL ESCAPE WINDOWS OR OTHER WINDOWS IN GENERATOR AREA.
  5. MUST SHOW LOCATION OF ALL ACCESSORY STRUCTURES TO REMAIN.
  6. MUST SHOW LOCATION OF GAS METER.
  7. REFER TO MANUFACTURER'S SPECIFICATIONS (AIR COOLED RESIDENTIAL GENERATORS): GENERALLY, NO OPERABLE WINDOWS OR OPENINGS IN THE WALL ARE PERMITTED WITHIN FIVE FEET FROM ANY POINT OF THE GENERATOR; MINIMUM 18" FROM THE EXISTING WALL; CLEARANCE FROM THE ENDS OF THE GENERATOR MUST BE 36 INCHES; CLEARANCE AT THE TOP SHOULD BE 60 INCHES; THE GENERATOR SHOULD NOT BE PLACED UNDER A DECK OR OTHER STRUCTURE THAT WOULD LIMIT AIR FLOW

**JULIE** CALL J.U.L.I.E. BEFORE EXCAVATING  
 1-800-892-0123

SAMPLE PLAT OF SURVEY

CHECKED:	DRAWN:
KS	SNS
SCALE:	DATE:
NTS	01/01/2019



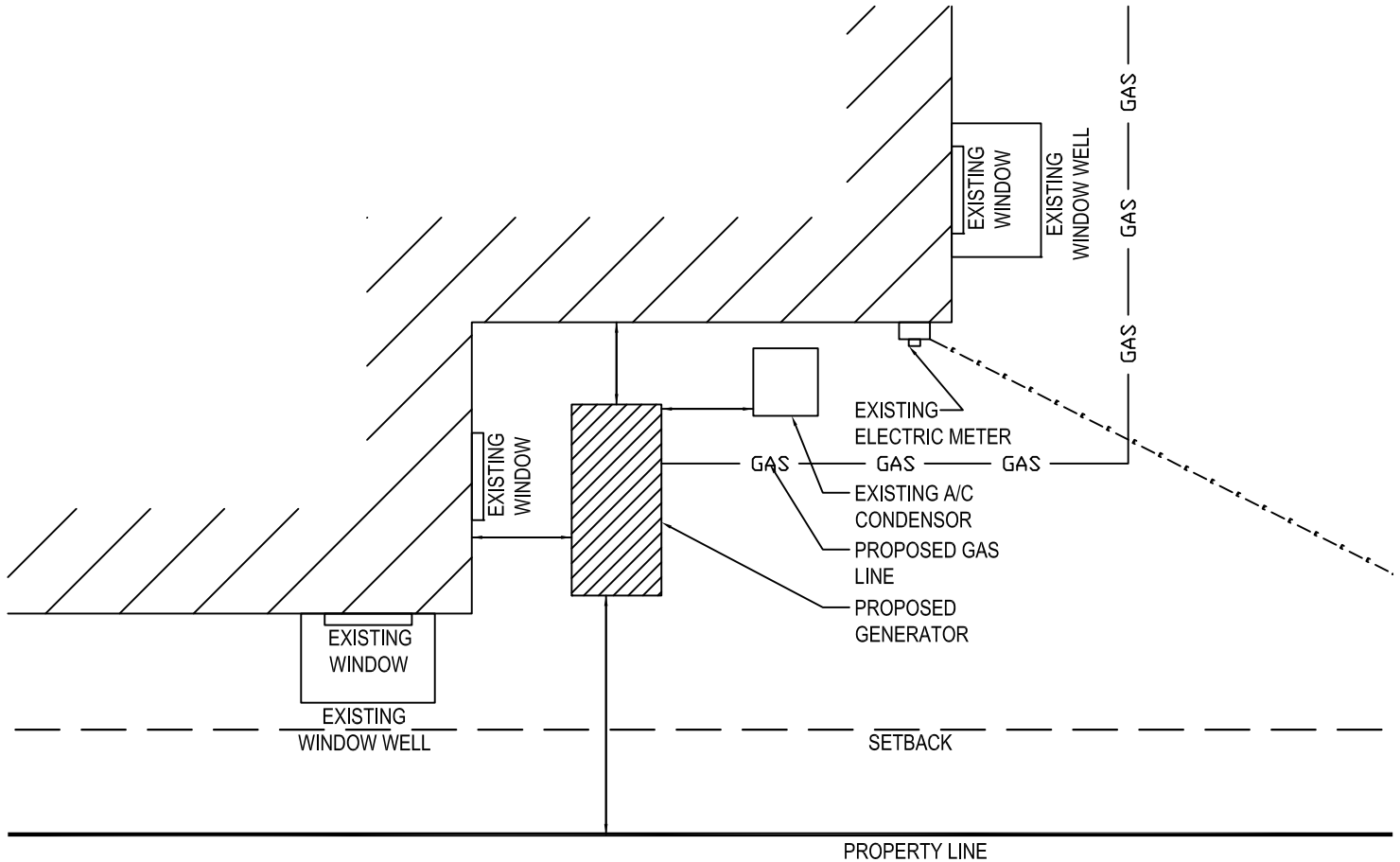
TRANSPORTATION, ENGINEERING AND DEVELOPMENT  
 BUSINESS GROUP  
 400 S. EAGLE NAPERVILLE, ILLINOIS 60540

SCALE:  
 NTS

EXAMPLE5.DWG

# PLAT OF SURVEY

LOT \_\_ IN BLOCK \_\_ IN \_\_ AT NAPERVILLE UNIT \_\_, BEING A SUBDIVISION OF PART OF THE  
 QUARTER OF SECTION \_\_, TOWNSHIP \_\_ NORTH, RANGE \_\_ EAST OF THE THIRD  
 PRINCIPAL MERIDIAN ACCORDING TO THE PLAT THEREOF RECORDED \_\_\_\_, \_\_\_\_, AS  
 DOCUMENT NO. R-\_\_ IN \_\_\_\_, COUNTY, ILLINOIS.



**GENERAL NOTES:**

1. ADDITIONALLY PROVIDE DIMENSIONS OF GENERATOR TO HOME (INCLUDING WINDOW/DOOR OPENINGS/WINDOW WELLS) AND LOT LINE.
2. ADDITIONALLY INDICATE THE LOCATION OF THE UNDERGROUND GAS LINE FROM THE METER TO THE GENERATOR.

A yellow insulated copper tracer wire shall be installed adjacent to underground nonmetallic piping to identify the gas supply line. The tracer wire shall not be less than 18 AWG and the insulation type shall be suitable for direct burial. (2018 IRC G2415.17.3)

Minimum burial depth for a gas supply line shall be 12" below grade. Individual lines to outdoor lights, grills, or other appliances shall be installed not less than 8 inches below finished grade, provided that such installation is approved and is installed in locations not susceptible to physical damage. (2018 IRC G2415.12)

**JULIE** CALL J.U.L.I.E.  
 BEFORE EXCAVATING  
 1-800-892-0123

## SAMPLE OF ENLARGED GENERATOR LOCATION PLAN

CHECKED:	DRAWN:
KS	SNS
SCALE:	DATE:
NTS	01/01/2019



TRANSPORTATION, ENGINEERING AND DEVELOPMENT  
 BUSINESS GROUP  
 400 S. EAGLE NAPERVILLE, ILLINOIS 60540

EXAMPLE3B.DWG

