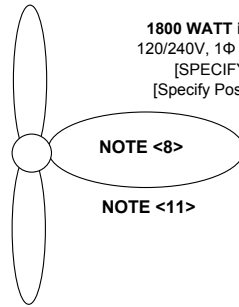
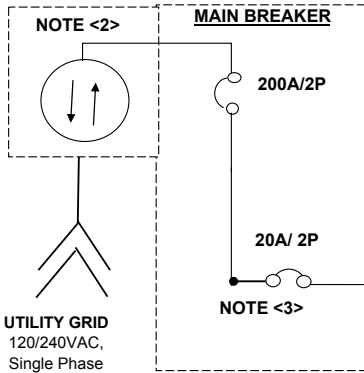


**2600 WATT WIND TURBINE
w/ INTEGRAL INVERTER**
120/240V, 1Φ AC OUTPUT
[SPECIFY Make & Model #]

1800 WATT inverter (CEC Rating)
120/240V, 1Φ AC OUTPUT, 10 AMPS
[SPECIFY Make & Model #]
[Specify Pos or Neg GROUNDED]



ELECTRICAL SERVICE ENTRANCE
[SPECIFY VOLTAGE & AMP RATING]
eg. 120/240VAC, 200A



3-10 AWG CU - [SPECIFY Insulation]
1-10 AWG CU GROUND - [SPECIFY Insulation]
1" Conduit [SPECIFY Material]

NOTE <4> & <7>

**WIND SYSTEM
UTILITY DISCONNECT SWITCH**
[SPECIFY Make and Model #]
2 POLE, 30 A, 240VAC

**DEDICATED WIND SYSTEM
kWh METER**
[SPECIFY METER TYPE]
240V, 100A, FORM #2S

NOTE <6>

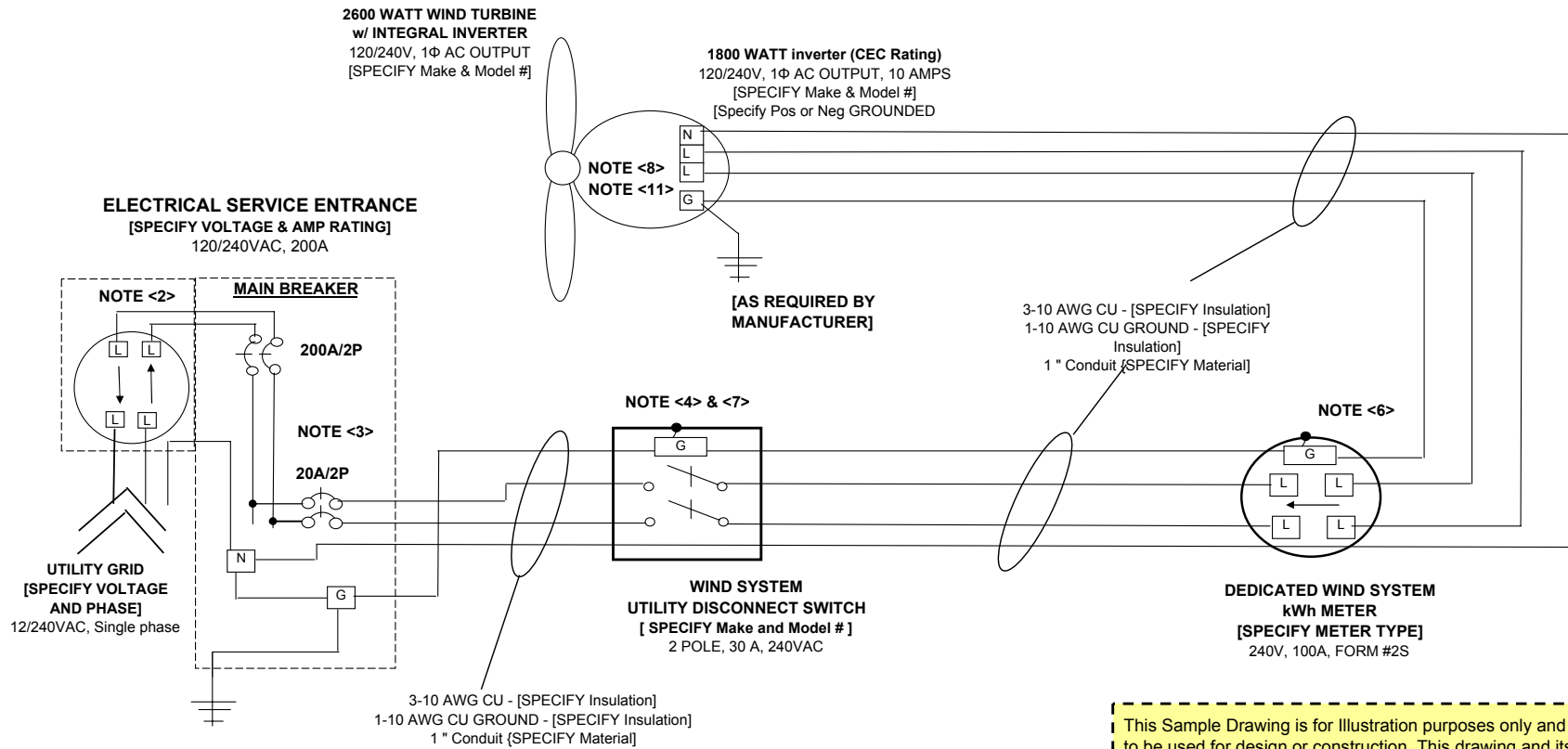
3-10 AWG CU - [SPECIFY Insulation]
1-10 AWG CU GROUND - [SPECIFY Insulation]
1" Conduit [SPECIFY Material]

This Sample Drawing is for illustration purposes only and is not to be used for design or construction. This drawing and its suitability for end use is not implied. The intent is only to illustrate typical minimum information required at time of application to APS. Additional information may be required.

SAMPLE WIND DIAGRAM

NOTES DENOTED WITH < > ARE REFERENCED FROM SHEET 3

| | | |
|--------------------------------|-----------------------------|------------|
| COMPANY NAME | | |
| COMPANY ADDRESS Phone # | ONE-LINE ELECTRICAL DIAGRAM | |
| Drawn: 05-12-08 Scale: None | 1.8 kW WIND SYSTEM | |
| Drawing No. | 999 N. CACTUS BIRD RD. | |
| Sh 1 of 5 | ANY CITY, AZ 85123 | |
| Rev | Description | Date |
| 2 | added wire/conduit info | 11-11-2008 |



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SAMPLE WIND DIAGRAM

NOTES DENOTED WITH < > ARE REFERENCED FROM SHEET 3

| | | |
|----------------------------|-------------------------------|------------|
| COMPANY NAME | | |
| COMPANY ADDRESS Phone # | THREE-LINE ELECTRICAL DIAGRAM | |
| Drawn: 05-12-08 | 1.8 kW WIND SYSTEM | |
| Scale: None | 999 N. CACTUS BIRD RD. | |
| Drawing No. | ANY CITY, AZ 85123 | |
| Sh 2 of 5 | | |
| Rev | Description | Date |
| 2 | added wire/conduit info | 11-11-2008 |

NOTES:

<0> DASHED LINES INDICATE EXISTING EQUIPMENT.

<1> ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE NEC AND ALL APPLICABLE REQUIREMENTS OF THE SERVING ELECTRIC UTILITY COMPANY AND OF THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ).

<2> BI-DIRECTIONAL UTILITY METER TO BE INSTALLED BY UTILITY COMPANY.

<3> LABEL BREAKER "WIND SYSTEM POWER SOURCE" PER NEC 705.10 AND "BREAKERS ARE BACKFED"

<4> LABEL "WIND SYSTEM UTILITY DISCONNECT SWITCH". SWITCH COVER TO BE LOCKED AT ALL TIMES. SWITCH TO BE VISIBLE BLADE AND ACCESSIBLE PER UTILITY REQUIREMENTS AND CONFORM TO NEC 705.22.

<5> LABEL "WIND SYSTEM DC DISCONNECT SWITCH".

<6> LABEL "WIND SYSTEM DEDICATED KWH METER".

<7> PROVIDE WARNING SIGN PER NEC 705.22(4) READING, "WARNING-ELECTRIC SHOCK HAZARD-DO NOT TOUCH TERMINALS-TERMINALS ON BOTH LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OFF POSITION".

<8> LISTING AGENCY NAMES AND NUMBERS TO BE INDICATED ON POWER INVERTER PER NEC 110.3(B).

<9> LABEL "DEDICATED WIND SYSTEM COMBINER PANEL" AND "LOADS NOT TO BE ADDED TO THIS COMBINER PANEL".

<10> GEC TO BE INSTALLED AS REQUIRED BY MANUFACTURER INSTRUCTIONS AND NEC 250.64.

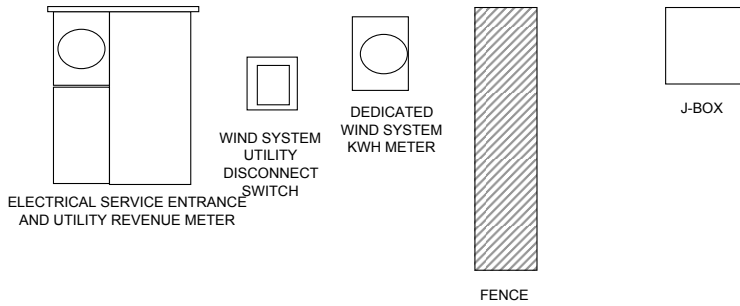
<11> INVERTER IS LOCATED IN THE NACELLE, INTERGRATED WITH THE TURBINE

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SAMPLE WIND DIAGRAM

| COMPANY NAME | | |
|---|--|------------|
| COMPANY ADDRESS Phone # | NOTES | |
| Drawn: 05-12-08 Scale: None Drawing No. | 1.8 kW WIND SYSTEM 999 N. CACTUS BIRD RD. ANY CITY, AZ 85123 | |
| Sh 3 of 5 | | |
| Rev | Description | Date |
| 2 | added note 0 and 11 | 11-11-2008 |

EQUIPMENT LAYOUT



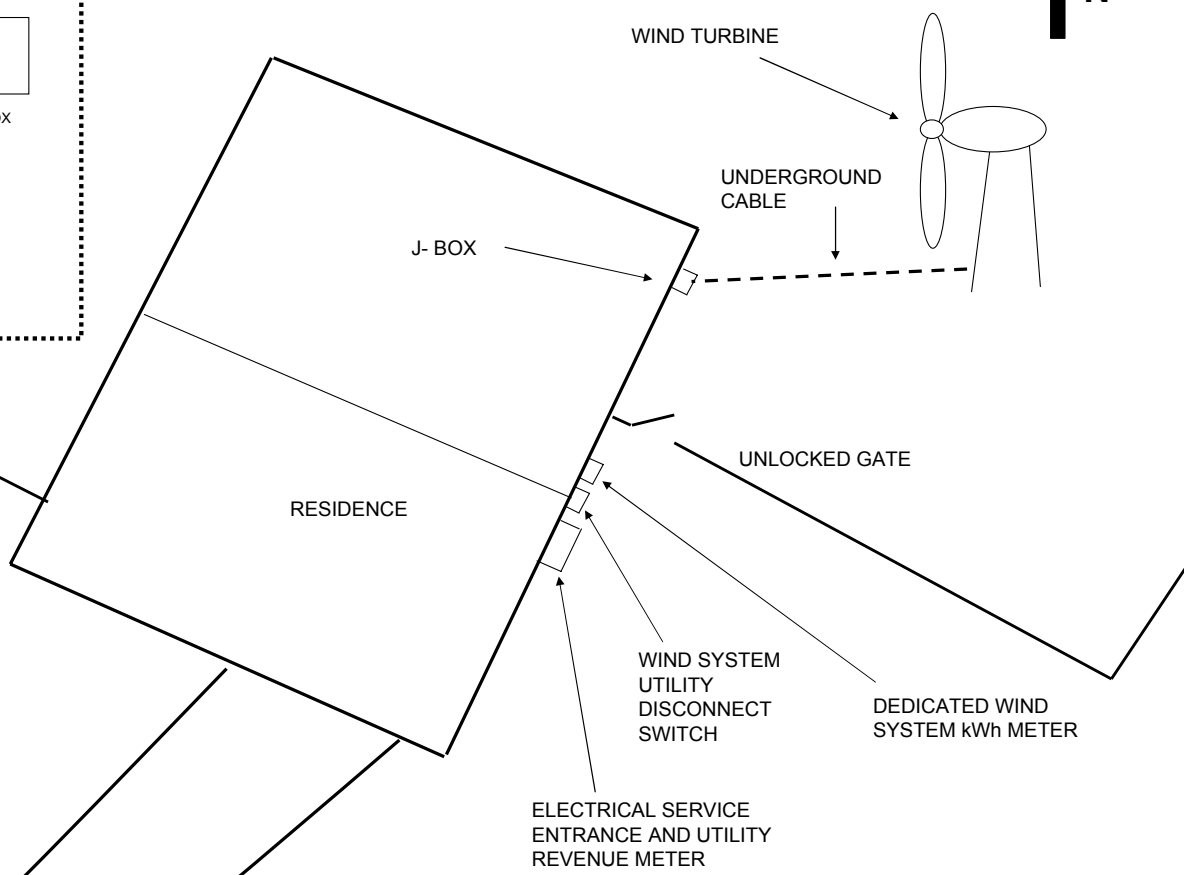
N. CACTUS BIRD RD.

NOTE: UTILITY HAS 24-HR UNRESTRICTED ACCESS TO UTILITY DISCONNECT SWITCH AND kWh METER(S)

DRIVEWAY

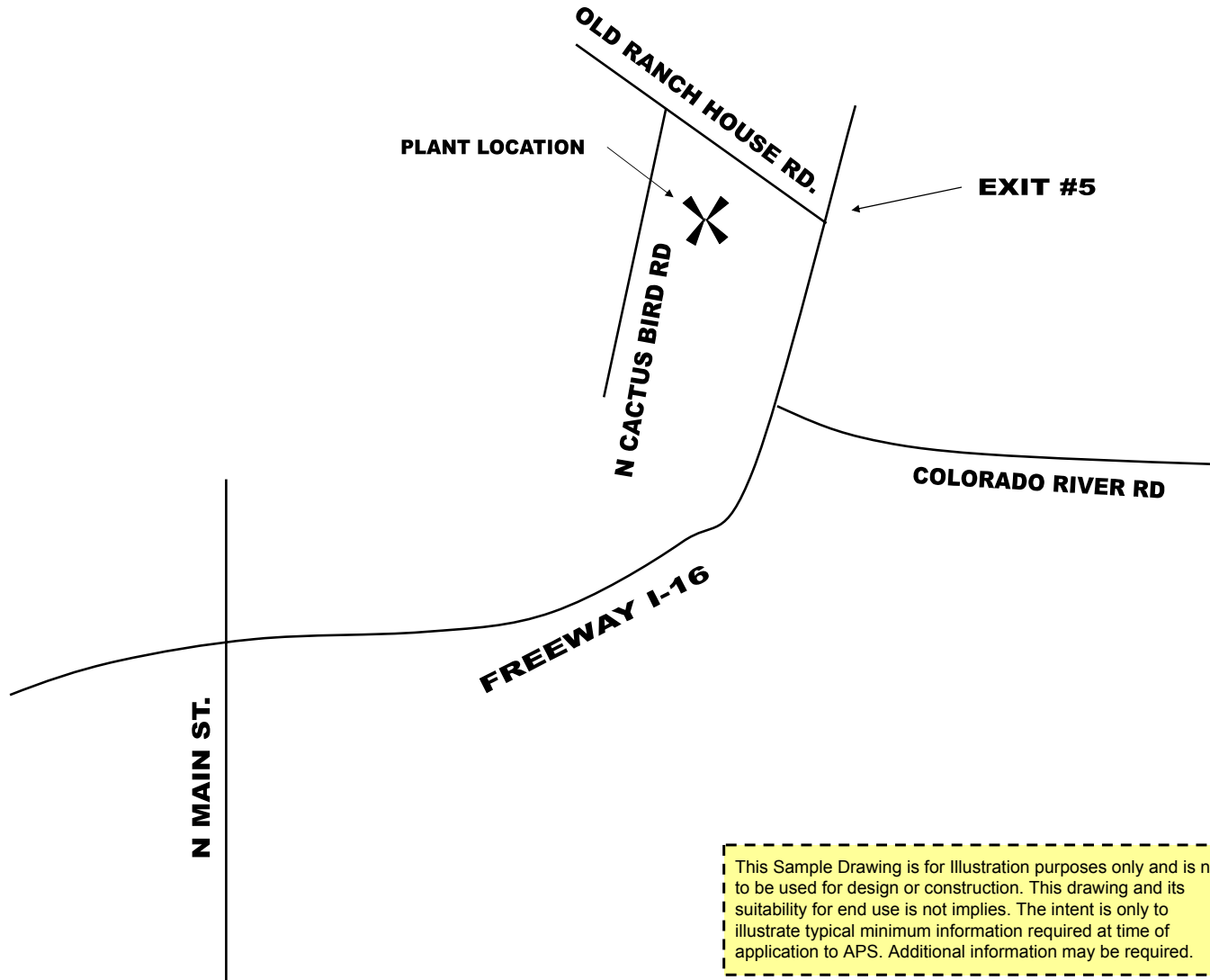
SAMPLE WIND DIAGRAM

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COMPANY NAME

| | | |
|--------------------------------|------------------|---|
| COMPANY ADDRESS Phone # | | SITE PLAN 1.8 kW WIND SYSTEM 999 N. CACTUS BIRD RD. ANY CITY, AZ 85123 |
| Drawn: 05-12-08 Scale: None | | |
| Drawing No. Sh 4 of 5 | | |
| Rev | Description | Date |
| 1 | Initial Revision | 05-12-2008 |



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SAMPLE WIND DIAGRAM

| COMPANY NAME | | |
|--------------------------------|------------------------|------------|
| COMPANY ADDRESS Phone # | SITE LOCATION MAP | |
| Drawn: 05-12-08 Scale: None | 1.8 kW WIND SYSTEM | |
| Drawing No. | 999 N. CACTUS BIRD RD. | |
| Sh 5 of 5 | ANY CITY, AZ 85123 | |
| Rev | Description | Date |
| 2 | CHANGED TITLE | 11-11-2008 |