National Grid: Land Use Application Form: Wholesale Generation/Transmission Projects

Project Name:_____ NYISO Queue #:_____

To ensure the safety of all parties, and to ensure that projects are compatible with National Grid infrastructure, please provide **clear, current, and accurate information** about the property and project. Provide as much detail as possible. **All fields must be completed**. Contact the National Grid Account Manager, Project Manager, or Pam Aspinall for support or clarification prior to submission. Applications that are incomplete and/or missing attachments will not be reviewed until the deficiencies are cured. An electronic copy and a **hard copy of this form and attachments must be submitted.** (Addresses and instructions below signature line.)

1. Information of Applicant or person/entity seeking land use:
    - Name:_____
        i. Mailing address: _____
        ii. Email address:_____
        iii. Phone number: (_____)_____-_____
        iv. Signatory Party: _____
        v. Authority/Title for Agreement: _____
    - Business or company name (or N/A):_____
    - If an LLC, in what state (or N/A):_____
    - Contact person (if not Applicant):_____
2. Property Information (can be obtained/ confirmed from a local municipal Assessor's Office)
    - Address/Location of Proposed project: _____
    - Municipality/State: _____
    - Property owner (if not National Grid, provide deed):_____
    - Tax Map/Parcel/Lot#: _____Lat and Long:_____
    - Construction Start: _____Construction Duration:_____

    Note: If this property is not owned by NATIONAL GRID, applicant must provide the deed.
3. Description of Project, including rationale for use of National Grid ROW: _____
    _____
    _____
    _____
4. Use of National Grid ROW, including occupations list (i.e. crossings, temporary delivery crossings, access roads, electrical, any other use or occupation(temporary or permanent)):_____
    _____
    _____
    _____

Name of National Grid representative contacted regarding this request (or N/A): _____

I/We understand that submission of this Application does not authorize use of the Company's Property and/or Right-of-Way, and that final approval is contingent upon a review of the Application materials, impacts to the Company's granted rights, and the negotiation of a formal agreement. No verbal approvals will be granted. No work on National Grid property may proceed until Applicant is in receipt of a fully executed Occupation Agreement and authorization is obtained from National Grid's contract as specified in the Agreement. To the extent construction is performed prior to the completion of the reviews and execution of applicable agreements, the developer/interconnection customer may be required halt construction and/or remove or modify the facilities constructed.

Applicant hereby agrees, upon approval of the plans by National Grid, to:

1. Execute and appropriate occupational agreement;
2. Pay required occupation fee(s) if on National Grid-owned property;
3. Meet all National Grid Insurance Requirements;
4. Obtain all necessary consents from existing Lessees or other authorized occupants of subject National Grid property, if any.

Signature of Applicant(same as above):_____Date:_____

Warning: Extreme caution is to be used in excavation due to the possibility of the existence of other underground facilities along National Grid's rights of way and/or on its properties. Any damage to these facilities caused by the developer/customer installation will be the sole responsibility of the developer/customer.

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Please complete the checklist below for confirmation of: (i) completion of all steps, (ii) compliance with requirements, and (iii) provision of all necessary information about the proposed project. Contact the National Grid Account Manager, Project Manager, or Pam Aspinall for support or clarification prior to submission. Applications that are incomplete and/or missing attachments will not be reviewed until the deficiencies are cured.

To be considered, **ALL** of the following items **MUST** be either completed or submitted.

APPLICANT HAS:

- ☐ Completed and signed **Application Form.**
- ☐ Provided project overall site plan w/ location of each proposed crossing. **(See example in Attachment 1)**
- ☐ Provided plan and profile for each crossing. **Include as much detail as possible (See Attachment 2)**
- ☐ Provided copies of all relevant **deed**(s), **easement**(s), or other **supporting documents.**
- ☐ Provided equipment list and specification.
- ☐ Provided CAD files (.DXF or .DGN) (when available).
- ☐ Included wire heights of existing overhead (OH) lines on drawings.

IMPORTANT REMINDERS

- For projects on National Grid property where there are overhead wires present, Applicant must provide current Wire Heights. Historic wire heights may not be accurate due to erosion, etc.
  - See Appendix A and B in this packet for a detailed description of how to acquire Wire Heights
- Application review process takes approximately 60 to 85 days from the time the application is deemed complete and will determine whether the request is allowable/permitted. The process may take longer depending on the complexity of the project.
- If the proposal is approved, a written License/Assent Agreement (as applicable) will be prepared for execution by the responsible party and any necessary regulatory approvals will be sought. If any regulatory approvals are necessary, no interim permissions will be issued until such approvals are obtained.
- NATIONAL GRID does not routinely grant any permanent interests on its operating property. A License does not transfer any permanent real property interest or title to National Grid property and therefore should not be relied upon by the requesting party as the sole means of access to the property.
- If survey activities are required on National Grid Property for the development of the design plans, prior to any entry on National Grid property, a Right of Entry Agreement will be required. The agreement will need to be fully executed by the design consultant(s) and returned along with proof of insurance as specified.
- Upon application review, additional information and documentation may be required.

SUBMISSION INSTRUCTIONS: SUBMIT TO ALL 3

1	2	3
Send Hard Copy of Application to: **ATTN: Pamela Aspinall** **405 Brampton Drive** **Syracuse NY 13214**	Send electronic copy of Application to: **ThirdPartyRequests@nationalgrid.com**	Send electronic copy of Application to: **National Grid Account Manager** **National Grid Project Manager**

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Information to be shown on Plan and Profile

1. Show north arrow and graphic scale.
2. Plan drawn to a standard engineering scale(e.g. 1”=20’).
3. Geographic location referenced (such as City, Town, Lot #, Street Address, etc.).
4. Show topography, including existing grade elevations and proposed finished grade elevations for the area of the proposed use, improvement, or activity.
5. If proposed grade is the same as the existing grade, state this condition on plan.
6. Show profile highlighting relationship of proposed use, improvement or activity with the existing grade, existing wire height elevations. Include the exact date & time of survey, and prevailing weather conditions on day of field survey – for each wire height surveyed.
7. Show relationship of proposed use, improvement or activity with Company easement area or property rights boundary lines. (The entire width of the easement or Company property should be shown. All utility structures should be labeled on plan.)
8. Show relationship of proposed use, improvement, or activity with Company facilities (towers, structures, poles, guys, anchors, and underground facilities). Must include NG structure / pole identifying numbers.
9. Show existing physical or geographic features such as fences, walls, streams, rivers, ditches, cart paths, buildings, etc.
10. Identify, quantify & label area to be impacted by proposed use, improvement, or activity – providing accurate metes & bounds, including tie line to recoverable monumentation, for a legal description of the proposed area within the Company asset.
11. No occupations or crossings within 50 ft of a tower or pole, avoid crossing at the center point between two structures where the sag is greatest.
12. All crossings should be perpendicular.
13. Proposed occupations within the ROW should meet AASHTO -25 Loading. No culverts will be allowed on National Grid property or easements.
14. Plan and profiles must be certified and dated.
15. No soil removal from National Grid Property.

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Insurance Requirements

Commercial General Liability (CGL) Insurance

- $1,000,000 limit “per occurrence” – Bodily Injury/Property Damage
- $2,000,000 limit – Product/Completed Operations
- $2,000,000 limit - General Aggregate
- $1,000,000 limit- Personal and Advertising Injury
- $1,000,000 limit- Damages to Premises Rented to You Limit

Statutory Workers’ Compensation and Employer’s Liability Insurance & Automobile Liability Insurance

- $1,000,000 combined single limit “each accident”

Umbrella Liability or Excess Liability Insurance

- $4,000,000 limit – Per Occurrence/Aggregate

Certificate of Insurance will be required before execution of agreement- additional information will be provided with draft agreement.

National Grid: Land Use Application Prohibited Encroachments

The following list of prohibited uses, improvements or activities within a National Grid right-of way is to be used for reference only. Other encroachment proposals, not mentioned below, may also be denied pending review.

1. Any encroachment, structure, (including man-made such as houses, additions, garages, foundations, decks, storage sheds, construction staging, trailers, camp sites, campers, out-buildings, party tents, etc.) or use of the right-of-way that is directly under a conductor (electrical line) and/or results in a violation of clearances established by the National Electric Safety Code or Massachusetts CMR.
2. Junk yards and the dead storage of other objectionable material (automobiles, truck bodies, tractor trailer/storage containers, automotive parts, appliances, and any type of refuse).
3. Septic systems, including leach fields.
4. Wells, or wellhead structures.
5. Swimming pools, either above-ground or below ground, and trampolines. This prohibition extends to diving boards, decks, equipment, pool houses, as well as any activity related to pool operation/maintenance.
6. Radio and television antennas, including satellite dish antennas.
7. Fire hazards, such as propane/LP tanks, wood or mulch storage, any flammable materials, etc.
8. Activities or use of substances that may pose a threat of environmental liability to National Grid (e.g. potential fuel or lubricants, that if spilled would necessitate cleanup action).
9. Storage or non-incidental use of conductive materials or objects
10. Dumpsters, roll-offs, wood processing, or other activities requiring boom or lift-type equipment.
11. Flag poles, light poles, signs, banners, and metal fencing.
12. Fill material that contains brush, rubbish, rock, logs, stumps, building debris and other objectionable materials. Frozen, soft, saturated, or highly compressible materials cannot be incorporated into fill.
13. Stockpiling or storage (i.e. snow, demolition materials, blasting materials, flammable or explosive materials, etc.).
14. Commercial vehicle loading and unloading.
15. Any and all hazardous or contaminated materials and debris.
16. Any other unacceptable use, improvement, or activity, as determined by National Grid's Transmission Line Engineering Department.
17. No longitudinal occupancies are permitted for third party owned non-utility facilities (i.e., generator tie lines, feeder lines, access roads, etc.)
18. Soil Removal from National Grid Property.

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National Grid: Additional Information

1. For underground crossings, all pipes and conduits must meet a minimum AASHTO H-25 loading criteria, and a tracer cable and Rhino field markers will be required.
2. All access roads constructed on National Grid property and/or transmission rights-of-way must meet a minimum of AASHTO H-25 loading criteria.
3. Culverts under permanent access roads and/or crossings will not be allowed on National Grid property or within National Grid rights-of-way.
4. Stormwater management features (permanent or temporary) that hold or infiltrate stormwater will not be allowed on National Grid property or within National Grid rights-of-way.
5. Conveyances that move stormwater off NGRID property must be review and accepted by National Grid before construction is initiated. The conveyances must be able to withstand heavy equipment crossings without damage, and no conveyances will be allowed that direct stormwater onto National Grid property.
6. Typical occupancy width for electric is ten (10) feet.
7. For gas pipelines no occupancy within ten (10) feet of the pipeline and no digging without a watch guard within twenty (20) feet of the pipeline.
8. For fee occupations there will be a yearly charge. This fee will be automatically invoiced on a yearly basis.
9. NO VERBAL approvals will be granted. NO work on National Grid property may proceed until applicant is in receipt of a fully executed Occupation Agreement (e.g. License or Assent Agreement) and authorization is obtained from National Grid's contact as specified in the Agreement.
10. Receipt of the application in no way authorizes entry by the developer or its affiliates onto National Grid lands for any purpose. Prior written approval by this Corporation is required for all third-party occupations and entry.
11. Submission of the application in no way guarantees approval.
12. ALL transmission right-of-way crossings, occupancies, etc. must be reviewed and approved by NGRID. This includes, but is not limited to, permanent crossings of generator lead lines, feeder lines, access roads, etc., and temporary roadways, etc. for equipment and materials deliveries.)
13. There shall be no loading, unloading and/or staging of any kind on National Grid property or in National Grid rights-of-way.

DISTRIBUTION CROSSINGS

With respect to distribution line crossings, National Grid does not need to complete a formal review of each crossing, however, a summary table of the distribution crossings must be provided to ensure that the crossings comply with the following:

- All crossings must comply with Part 57 of the New York State Industrial Codes Rules (also known as the "High-Voltage Proximity Act":

  (http://www.labor.ny.gov/workerprotection/safetyhealth/sh57.shtm)

- When building access roads, construction equipment must maintain 10 feet of clearance from any overhead distribution primary conductors and must not contact any distribution secondary conductors. This same rule applies to all loads that are to be transported on the access roads under National Grid lines. All loads must maintain 10 feet of clearance from any overhead distribution primary conductors and must not contact any distribution secondary conductors.

For each distribution crossing the summary shall include (at a minimum):

- Occupation type (e.g., access road, feeder line, communications lines, etc.)
- Location reference (Tax parcel ID, adjacent road, distance from adjacent road, closest utility structure)
- Lowest wire height (OH wire type, height, wire elevation, station elevation)
- Crossing information:
  - access roads (finish grade)
  - feeder or communications lines (depth of bury, method of bury)

Also, for any requests associated with the possible modification or relocation of existing National Grid facilities, please contact National Grid's Customer Connections department at 1-800-260-0054.

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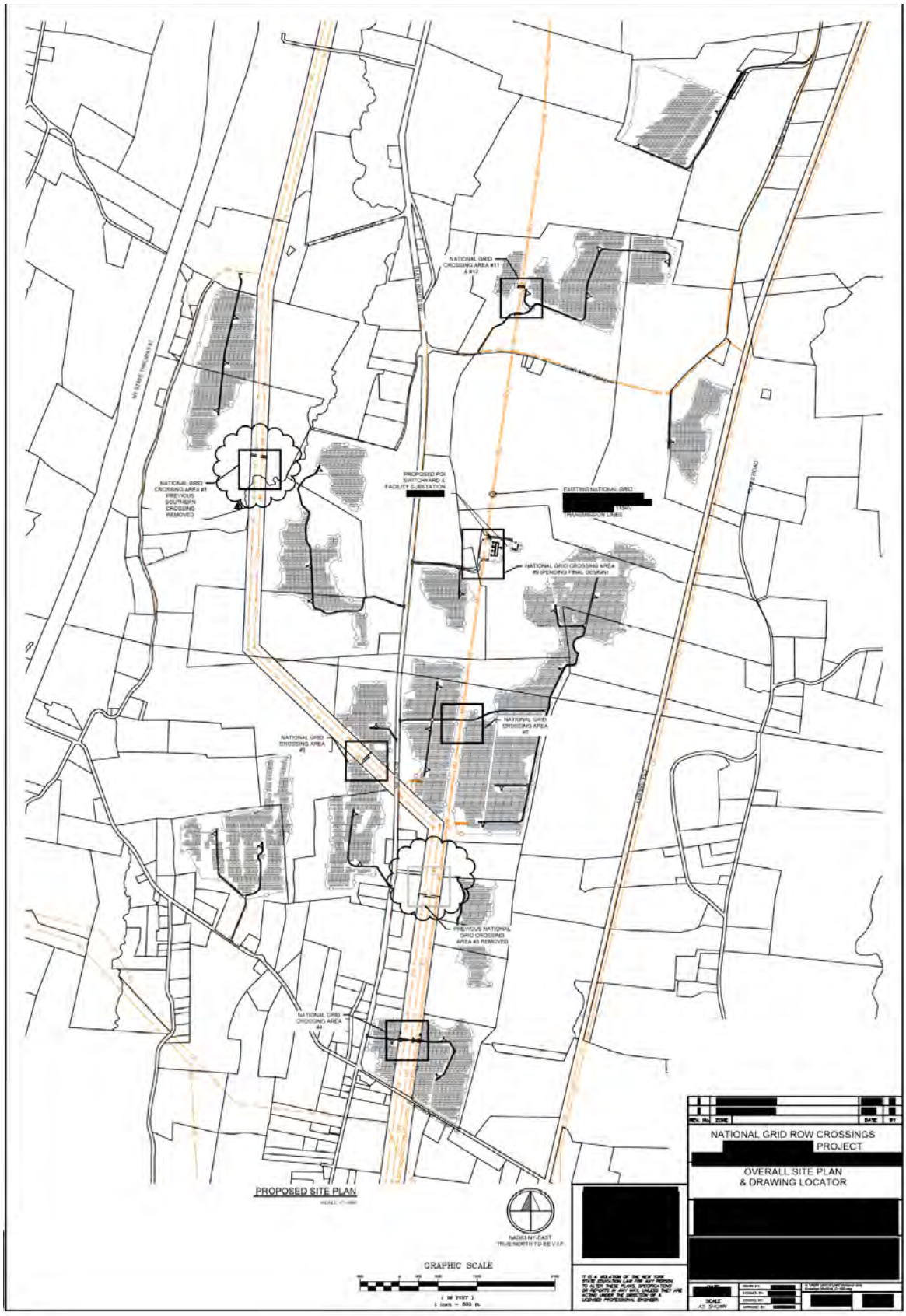
National Grid: Additional Information

ATTACHMENT 1



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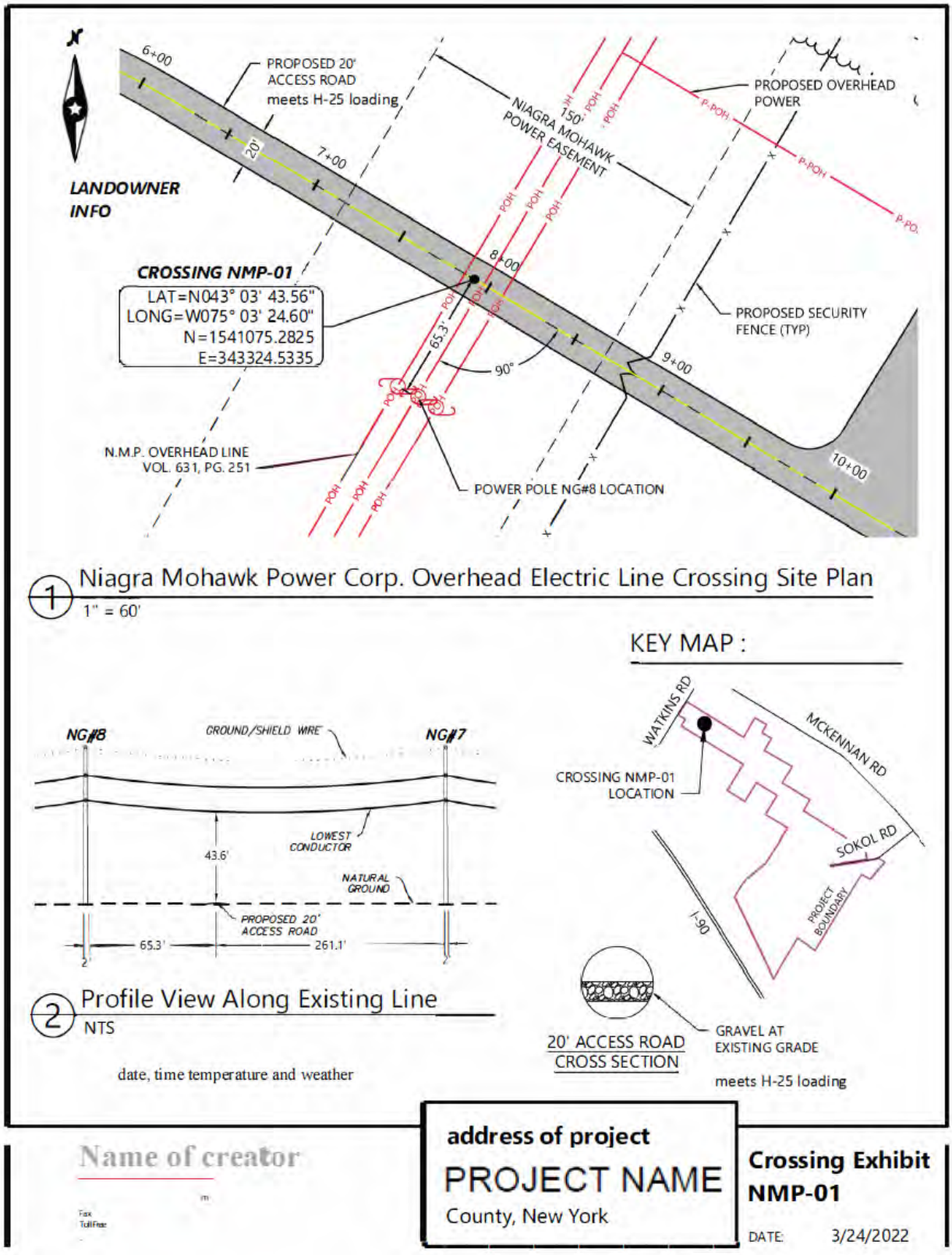
National Grid: Additional Information

ATTACHMENT 2



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APPENDIX A

Procedure for Determining Wire Heights

- Elevations of conductors (wires) should be taken* at the point of attachments at bottom insulator on transmission structure.
- Elevations should be taken* at mid-span and quarter-span.
- Elevations should be taken* at any obvious low points (other than mid-point) which may occur due to grade changes below.
- Elevations should be taken directly above any proposed improvements or areas of proposed activity(s) as applicable.
- Existing grade elevations corresponding to aerial shots cited above should also be recorded. Any proposed finish grades different from existing grades, should also be recorded.
- As measurements are recorded, the following information must be recorded: date, time, ambient air temperature, wind direction and velocity, and weather conditions (e.g.: sunny, rain, snow, etc).

* WARNING: Conductors are electrically energized and are to be considered dangerous to approach. All measurements to conductors shall be made by remote measurement techniques which shall in no case cause measuring devices or personnel to come within safety parameters established by OSHA 1926.550 or New York State's High Voltage Proximity Act.

c = clearance from grade

H = measured horizontal offset distance (perpendicular to conductor at point of crossing)

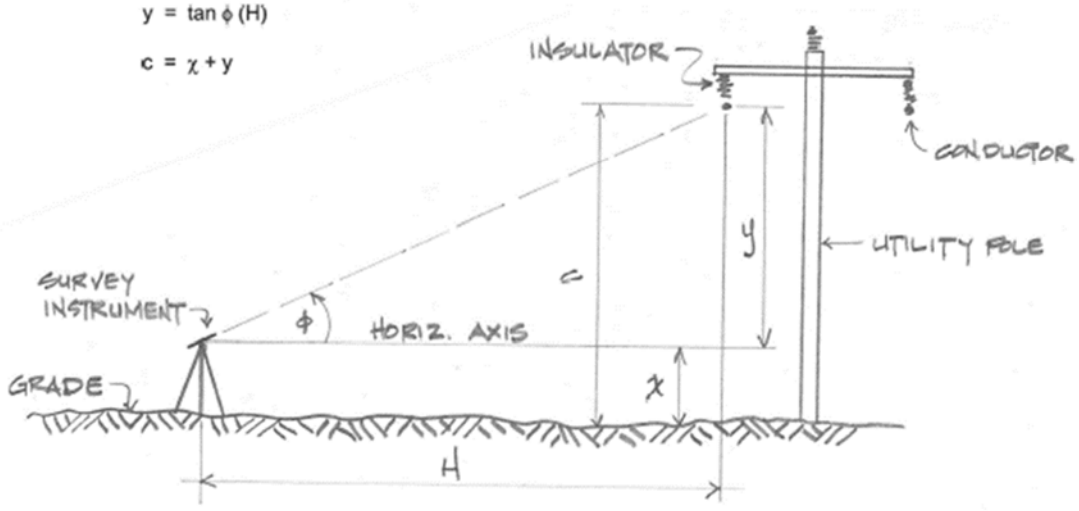
χ = measured vertical distance from horizontal axis of instrument eye piece to grade at a point

ϕ = measured vertical angle from horizontal axis of instrument eye piece to conductor

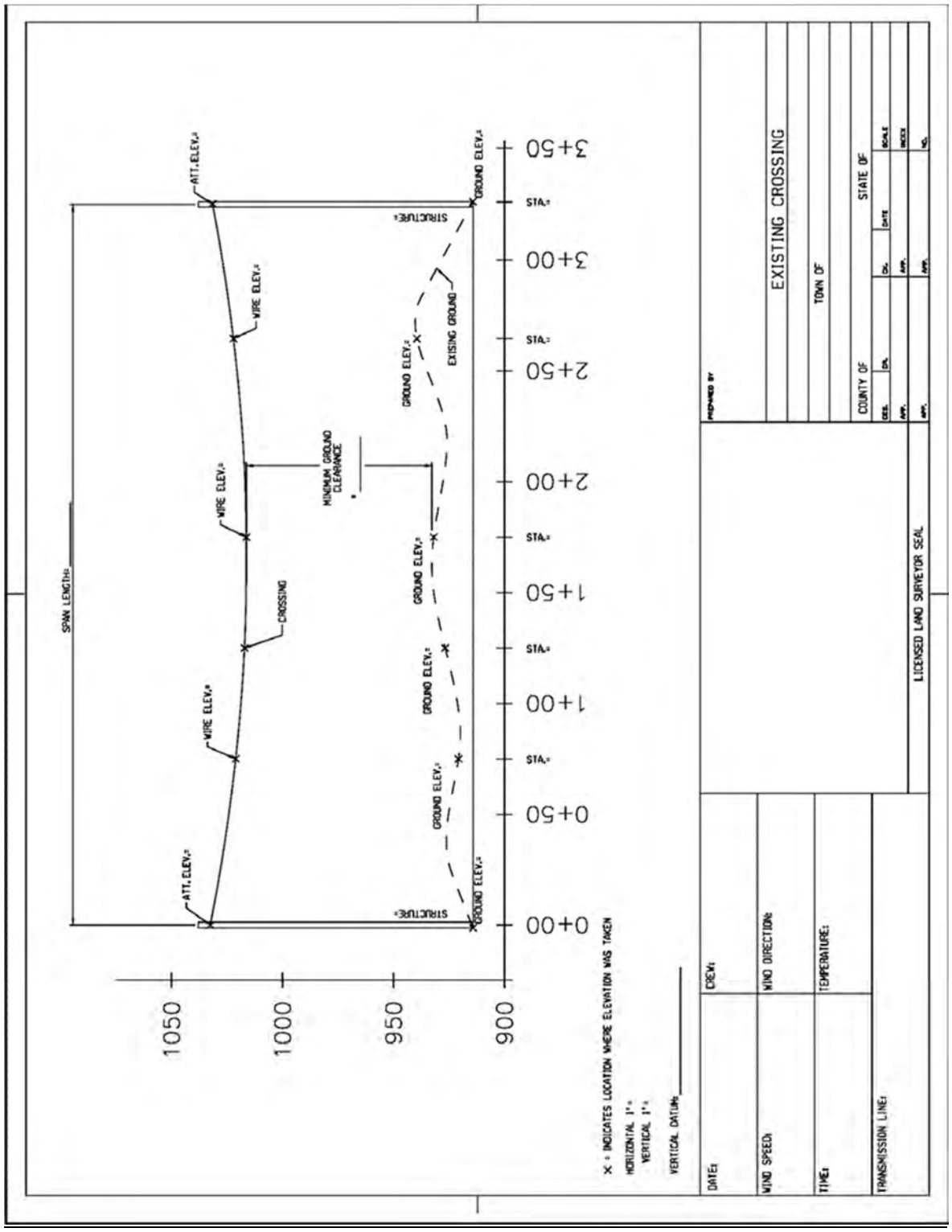
y = calculated vertical distance from horizontal axis to conductor

$y = \tan \phi \, (H)$

$c = \chi + y$



APPENDIX B


EXISTING CROSSING
TOWN OF
COUNTY OF
STATE OF
PREPARED BY
LICENSED LAND SURVEYOR SEAL
DATE:
CREW:
WIND SPEED:
WIND DIRECTION:
TIME:
TEMPERATURE:
TRANSMISSION LINE:
X = INDICATES LOCATION WHERE ELEVATION WAS TAKEN
HORIZONTAL 1" =
VERTICAL 1" =
VERTICAL DATUM:
SPAN LENGTH:
ATT. ELEV.
STRUCTURE
GROUND ELEV.
WIRE ELEV.
CROSSING
MINIMUM GROUND CLEARANCE
EXISING GROUND
STA.
0+00
0+50
1+00
1+50
2+00
2+50
3+00
3+50
900
950
1000
1050