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David Sprout, Code Officer & Bldg Inspector
Town of Dryden Town Board
Town Hall
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New Cell 165ft (170 oall)Telecom Tower
Upstate Cellular Network d/b/a Verizon Wireless
Irish Settlement Site, 2150 Dryden Rd
Town of Dryden, NY 13068
General Contractor: Unknown
Operated by: Verizon, W Henrietta NY:
Engineering Professional: Tectonic Engineering
Site owner: Scott Pinney, Lansing NY

Permit Application Review: Structural

06-Jun-16

The following plan review as prepared by Dende Engineering Structural Consultants is specific the following drawing/doc set and specific to structural review.

Structural Documents....For this review

- Exhibit Q:Tectonic Engineering Site/Layout Plans: T-1, SU-1, SB-1, AD-1, C-1, C-2, C-3, C-4 ...12/18/15

Supporting Documents

- Cover: Nixon Peabody (Law Firm)
- Exhibit A: Permit Application
- Exhibit B: Radio Frequency & Network Design
- Exhibit C: Site Selection Analysis
- Exhibit D: Compliance with Applicable Legal Standards
- Exhibit E: Town Criteria Compliance for Telecom.
- Exhibit F: Photo simulations & View shed, Analysis
- Exhibit G: Property Owners within 1,500'
- Exhibit H: FAA Report
- Exhibit I: FCC report
- Exhibit J: Proof of Standard Stability
- Exhibit K: Co-Location Policy
- Exhibit L: EME Study for FCC regulations
- Exhibit M: Full Environmental Assessment Form
- Exhibit N: Ag Data Statement
- Exhibit O: Proof of Landlord Consent
- Exhibit P: Statement to Section 6D1 of Town Code

General Description:

Construct a new Public Utility Self Supporting Tower Communications Facility to be operated by Verizon. 165 ft high. Including related communication equipments, service roads, propane storage tank, underground and overhead utilities, security fencing and landscaping

The following code review is to the best of my knowledge and based on 2010 NYS Building Code and related reference standards (AISC, ACI, etc.) for the structural constructions specific to this project. It is not the intent of Dende Engineering to check or verify engineering, change, revise, or critique the original design, but only to provide review of the documents for fully defining the project along with the necessary engineering documentation to substantiate the technical issues. As required by structural code permit review.

The single sealed site/location drawing set referenced above (Exhibit Q) should be accepted for building permit purpose,..... **and considered incomplete.**

The following documents should amend the permit documentation as they become available:

Drawing C3:

- The Self Supporting Tower structural framing. Please provide all framing members, details and connections and load conditions and calculations.
- Foundation Plans (and details) for the Tower

Drawings C4:

- Equipment Bridge: Structural framing and foundation.
- Equipment Platform (11.5' x 16'): Structural framing and foundation

Drawings C2:

- Propane tank pad implies a shallow above frost foundation for an unheated 4' x 14' mat in a 4 ft frost zone. Submit details Complying to SEI/ASCE 32-01 "Design and Construction of Frost-Protected Shallow Foundations", and ASCE-7 for Seismic requirements.

Permit pending submission and structural review for the above referenced.



Greg Dende, PE

Attach: none

Proj16/1609 Dryden Cell Tower Permit – Irish Settlement/Structural review 1609