

PRELIMINARY COMPLETENESS MEMORANDUM

TO: David J. Turiano, P.E.
 Village of Briarcliff Manor

FROM: Brian Dempsey, P.E., PTOE, RSP1
 Danny Cuya, EIT

DATE: June 15, 2022

RE: Traffic Review
 Solar Facility
 345 Scarborough Road
 Village of Briarcliff Manor

Introduction

DTS Provident Design Engineering, LLP (DTS Provident), on behalf of the Village of Briarcliff Manor, has reviewed the information provided to date for the proposed Briarcliff Solar Application for Special Use Permit to be located at 345 Scarborough Road, the site of the former Philips Lighting Research Facility, in the Village of Briarcliff Manor from a Vehicular and Pedestrian Traffic standpoint. This review is only a Preliminary Completeness Review, a detailed Technical Review will be performed after the Application has been deemed Complete.

To perform this Completeness Review, DTS Provident reviewed various documents, primarily the Special Permit Application dated March 21, 2022, prepared by YSG Solar Development Company, LLC: the Briarcliff Solar Development Code Compliance Checklist; and the Briarcliff Solar, LLC - Project Application Book, among others. A Traffic Study was not performed for this Project

Completeness Review

Unlike most projects in the Village, the Traffic issues that could arise with a Solar Facility Project similar to the one proposed is not during the operation of the project but during the construction phase, including the demolition/removal of the existing Philips Facility structures. DTS Provident is in agreement that the Project will not have a significant traffic impact during operation. There will be minimal maintenance staff at the facility during operation.

However, there is the possibility of Traffic impacts during construction. Thus, the following are our Completeness Comments:

Construction Traffic

CT-1: A Traffic Study should be performed in regards to the potential Traffic impacts of the construction of the Facility including the removal of the existing structures, cut and fill, installation, equipment needed, turning maneuvers, pavement impact, driveway sight distance, etc. The 1-6 vehicles on site during

construction as listed in the Compliance Checklist does not seem realistic for the size/scope of the project. The length of construction should also be provided.

CT-2: The 2018 Draft Traffic Study should be submitted as an Appendix.

CT-3: The number of construction workers listed seems very low for a Project of this magnitude. Please explain and provide the peak number of construction workers.

CT-4: Are the proposed construction hours consistent with the Village Code?

CT-5: When will the construction deliveries occur?

CT-6: Will there be a substation or other facility installed?

CT-7: How will trucks reach and leave the Site including how will they reach Scarborough Road?

CT-8: What will the size, height and weight of the trucks (including cargo and equipment, etc.)? There are certain bridges in the area with low clearance.

CT-9: Are there any bridges or culverts on the proposed routes and do any have weight restrictions or clearance height restrictions or are they considered structurally deficient in terms of supporting the truck deliveries?

CT-10: Will there be any overweight/oversize vehicles transporting equipment to/from the Site and will special permits be required or provisions need to be made?

CT-11: A Road Use Agreement (RUA) may need to be established with the Village and other governmental agencies in case there is damage such as to pavements or culverts, etc.

CT-12: What are the maximum number of trucks per day?

CT-13: What size/weight/types are the equipment and machinery to be utilized?

CT-14: Will there be cut and/or fill removed from or brought to the Site, and if so, how much and how many trucks will be utilized?

CT-15: How many and what size trucks will be utilized to demo/remove the materials from the existing site?

CT-16: Provide/illustrate the sight distance at the intersection of the Site Driveway (Shadow Brook Lane) and Scarborough Road and compare to appropriate standards. Will vegetation need to be cleared?

CT-17: Provide an overall assessment of the roadway network to be able to support the number of construction employees and construction vehicles.

Site Plans

SP-1: On the Site and Utility Plans (Drawings C201 and C202) and the Grading and Erosion Control Plan (C401 and C402) as well as the other Plans – label Scarborough Road and the other roadways on these and the other plans.

SP-2: Label or reference the maximum grade on the Driveway.

SP-3: Provide Truck turning movement templates to indicate that the largest truck can turn in and out of the Driveway as well as circulate internal roadway. Also illustrate that the truck can perform the turns at the other key locations along the haul routes.

SP-4: Discuss whether vehicles will need to circulate around the site for maintenance or in case of emergency as the access road only provides access to the middle of the site?

SP-5: Illustrate where construction workers will park.

This memo reflects PDE's Professional Review and Comments but may not reflect those of the Village.