



November 10, 2021

Siva Thashnath  
Greenskies Clean Energy, LLC  
127 Washington Avenue  
West Building, Garden Level  
North Haven, CT 06473

RE: S Windsor PD Carport  
151 Sand Hill Road  
South Windsor, Connecticut

Dear Mr. Thashnath,

We have prepared this letter report related to stormwater drainage associated with the proposed S Windsor PD Carport project (the “Project”). The Project is proposed behind the existing manufacturing building, located at 151 Sand Hill Road in South Windsor, Connecticut (the “Site”).

## **Introduction**

The Site is a  $\pm 5.32$ -acre property developed as the South Windsor Police Department facility. The Project includes the installation of a ground-mounted solar carport array system, to be installed south of the building within the existing parking area. The ground-mounted system will consist of 494 solar panels to be installed on two (2) separate carports within the existing paved parking area. The power generated from this site will serve the existing Police Department facility.

## **Site Conditions and Stormwater Patterns**

The two (2) proposed carport arrays and appurtenances is anticipated to cover  $\pm 0.27$  acre, associated with the proposed modules, foundations, trenching, erosion controls, and equipment. Little to no grading is proposed for the Project. No tree clearing or grubbing is anticipated. The overall anticipated limits of disturbance and temporary disturbance for the project, associated with the needed foundations and utility trenching, is  $\pm 0.15$  acre.

The existing Project area drains mainly from the north to the south. There is one (1) existing stormwater management basin located within the property, immediately south of the existing parking area. A series of catch basins are located throughout the parking area to capture and direct runoff to the stormwater management basin. The existing drainage patterns will be maintained throughout the site after construction.

The proposed ground-mounted solar carport arrays will be constructed on a post mounted racking system, with foundations to be located within the existing pavement of the parking area and in the field area immediately south of the parking area. Any areas of disturbance will be restored to meet

existing conditions, or seeded with the Ernst Solar Farm Seed Mix or an approved equal by the Property Owner.

### **Conclusion**

With little to no impacts to the existing ground conditions for the proposed project, the post-construction stormwater runoff is anticipated to be equal to that of the pre-construction stormwater runoff. The existing Site drainage patterns will be maintained after construction and will function in the same manner as it does in its current condition. Therefore, no stormwater analysis or management was deemed to be required for the Project.

Should you have any questions, please contact me.

Very truly yours,  
**All-Points Technology Corporation, P.C.**

A handwritten signature in black ink, reading "Kevin A. McCaffery". The signature is fluid and cursive, with the first name "Kevin" and last name "McCaffery" clearly legible.

Kevin A. McCaffery, PE  
Senior Civil Engineer