

# Environmental Impact Assessment

## REHABILITATION OF SEVEN TENNIS COURTS AT BURLINGTON TOWNSHIP MUNICIPAL COMPLEX

### 1. DESCRIPTION OF THE PROPOSED PROJECT

#### a. Briefly Describe the Total Development Project

The project involves the repaving (mill & overlay) and resurfacing of seven (7) tennis courts along with the installation of ten (10) light poles around the perimeter of the courts.

#### b. State the Objectives of the Project

The objective is to rehabilitate the courts, which are used by residents and the Township schools.

#### c. Fully Describe Multi-Phase Projects

The re-paving will be completed first followed by the lighting installation; however, this is not a multi-phase project. Both elements of this project may be undertaken simultaneously.

### 2. DESCRIPTION OF THE ENVIRONMENT

#### a. Vegetation

The park contains a variety of flora, but has previously been developed with numerous amenities. The existing asphalt tennis courts are one such amenity. The only disturbance that will occur is in the turf (homogenous grass) areas directly adjacent to the tennis courts. No native vegetation will be impacted. No trees or shrubs will be removed.

#### b. Wildlife

No wildlife will be impacted by the project. There are no State or Federal T&E Species within the project limits per NJ-GeoWeb.

#### c. Geology, Topography, and Soils

NJ-GeoWeb indicates the site is located within the Coastal Plain. The topography is flat within the project area. Excavation for the light pole foundations will consist of ten (10) drilled 36" diameter piers to a depth of approx. 10' for the light poles and approx. 1,250 LF of trenching for conduit & wires. Total area of disturbance is not expected to exceed 2,600 SF or 0.06 acres. No grades will be changed as a result of this project. The USDA Natural Conservation Service Web Soil Survey indicates that the project area is located on "KeoA" soil: Keyport loam, 0 to 2 percent slopes. A copy of the soil survey is attached.

d.

#### Water Resources and Hydrology

NJ-GeoWeb indicates there are no wetlands within 150 feet of the project site. Groundwater use in the area is defined as Class II-A and the area is considered a water recharge zone. A copy of the NJ-GeoWeb map showing nearby water bodies, streams and wetlands is attached.

e.

#### Historic/Archeology Resources

Per the NJ-GeoWeb, there are no historic archeological sites or properties within the project limits.

f.

#### Transportation/Access to Site

The site is accessible by motorized and non-motorized vehicles. There is a 50-space parking lot located within 100 feet of the project site as well as a bicycle/pedestrian path network providing access to the recreation facility. Refer to the attached GoogleEarth image. The path also provides a link between this site and the sports fields at our GA 2 Park that was the subject of a prior GA grant for a turf field project.

g.

#### Adjacent Land Uses/Description of the Surrounding Neighborhood

The site is located in a natural area along Assiscunk Creek. As previously indicated and as is evident on the attached Google Earth image there has been some limited development of recreation amenities with a natural area extending north to the Assiscunk Creek. The Township Municipal Building and associated parking is located south of the project site.

3.

### ENVIRONMENTAL IMPACT ANALYSIS OF PROPOSED ACTION

a.

#### All Affected Resources and the Significance of Each Impact

The project site is located in a Green Acres Park which has previously been developed with numerous amenities. The only disturbance that will occur is in the turf (grass) areas directly adjacent to the asphalt tennis courts. No wildlife or native vegetation will be impacted. No trees will be removed.

Excavation will consist of ten (10) drilled 36" diameter piers to a depth of approx. 10' for the light poles and approx. 1,250 LF of trenching for conduit & wires. Total area of disturbance is not expected to exceed 2,600 SF or 0.06 acres.

b.

#### Short-Term and Long-Term Project Impacts

Based on the scope and location of the project, in our professional opinion, there will be no short-term or long-term adverse impacts to any natural resources within or beyond the project limits. One positive impact that is anticipated will be the removal of an antiquated lighting system that relies on HPS luminaires, which will be replaced with Musco's Green System energy efficient LED luminaires thus reducing the carbon footprint of the system and also reducing energy costs for the facility. The overall number of lights will be reduced from 18 to 10.

c. **Anticipated Increase in Recreation and Overall Use Over Time**

Since the courts are currently lighted and the number of courts will remain unchanged, no increase in use of the recreation facility is anticipated.

d. **Adjacent Environmental Features that May Be Affected**

NJDEP mapped wetlands and a tributary to the Assiscunk Creek are located west of the site. The tributary flows into the Assiscunk Creek, located north of the property. Natural areas surround both sides of the east/west running creek.

One mapped vernal pool is located across Old York Road southeast of the site.

The contract documents will require that all asphalt millings are disposed of properly at a State licensed disposal facility, thus leaving the project site and surrounding areas unaffected.

e. **List of Required Permits**

No Federal or State permits are required for this project. The Contractor will be required to obtain an Electrical permit from the Township.

f. **Impact on Undisturbed Portions of Project Site**

The project will not result in any land disturbance beyond the limits of the project.

g. **Impact of Sea-Level Rise**

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) indicated that the western portion of the Property is in Flood Zone X – Area of Minimal Flood Hazard.

No impact from a rise in sea level is anticipated.

**4. ALTERNATIVES TO PROPOSED ACTION**

a. **Identify Alternate Sites**

Since this is an existing recreation amenity that is being rehabilitated, there are no alternative sites to undertake this project.

b. **Alternate Levels and Types of Development**

Since this is an existing recreation amenity that is being rehabilitated, there are no alternative sites to undertake this project.

c. **Comparison of Environmental Impacts of Alternatives**

Since this is an existing recreation amenity that is being rehabilitated, there are no alternative sites to undertake this project.

5.

## MITIGATING MEASURES

Based on the information provided above, which supports the position that this project will not result in any short-term or long-term adverse impacts to any natural resources within or beyond the project limits, no mitigating measures are necessary.

## PREPARED BY:

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