



ENVIRONMENTAL ASSESSMENT FOR GREEN ACRES SUBMISSION

Father Glotzbach Field Township of Nutley

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Abstract

Pertinent information regarding returning an existing multipurpose field

Brian Intindola, PE
bintindola@negliaengineering.com

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Description of the Proposed Action

The Department of Parks and Recreation of the Township of Nutley seeks to turf the existing Father Glotzbach field.

See the following aerial inset



See tax map inset.



The project objective is to replace the existing turf and slightly expand the playing area by twenty feet to better accommodate the programs that use the field

Construction Scope

Base Scope – estimated 41,837 sf (+/-)

- Excavate; cut to fill balance, excess topsoil clay & fill exported (see alternate deduct)
- Soil erosion control measures as required (no permit included)
- Tie into existing drainage system at inlet (assuming no underground detention required)
- Provide 10" HDPE under drain carrier system
- Provide 1 X 12 flat drain at 20' o/c
- Provide filter fabric under field
- Provide 5" clean stone and 2" finish stone layer
- Laser grade entire field ready for turf
- Furnish and install Shaw Sports Turf, Momentum 2.0
- Sand/rubber infill system 30/70
- New arch backstop
- Provide new bases, HP, pitching rubber
- Provide environmental soil testing for exported soils
- Provide engineering for construction plan
- Turf bullpen (20x55)

The area is fully developed in the Township of Nutley and the project as part of the larger recreation complex along Park Avenue. Access to the site is by way the existing parking lot on Park Avenue and neighborhood walking access by way of a park trail system.

Please see larger context map



Potential Impacts of the Field Replacement

Short term impacts due to construction activities will be closely monitored by the Township of Nutley and by the Neglia Engineering project team. An eight week project construction timeline is anticipated with most of the site drainage already in place.

Soil erosion and sedimentation resulting from surface water runoff

The project has been designed to capture surface runoff into catch basins and convey runoff to the proposed storm conveyance system. The project has been designed in accordance with New Jersey Standards for Soil erosion and Sediment control and includes erosion control mitigation measures such as silt fence, inlet filters, stabilized construction access, temporary and

permanent soil stabilization and dust control. Any additional measures will be supplied as required to reduce/mitigate soil erosion.

Flooding and floodplain disruption

The project site is not located within a flood plain. The project will have no adverse impact with respect to flooding and floodplain disruption.

Degradation of surface water quality

The project will increase landscape, pervious coverage that will improve surface water quality as the lawn/landscape and turf areas will act as a natural filtration element.

Groundwater Pollution

The project will have no adverse impact to groundwater. There are existing groundwater monitoring wells on site that are part of the environmental work currently being undertaken by the owner. These monitoring wells will be reset/reconstructed to the proposed finished grades as denoted on the plans.

Sewage Disposal

There is existing public sanitary sewer fronting the project site. The project will utilize the existing public bathrooms and sanitary sewer which is the same as the pre-existing condition.

Solid Waste Disposal

The Township of Nutley provides and collects from trash and recycling bins located around the field

Vegetative Destruction

The removal of vegetation has been designed to be least amount required for construction of the site improvement and general site safety.

Disruption of Wildlife Habitats

As per NJIMAP and NJ GeoWeb there is no documented threatened and endangered species habitat on site. As noted, the project will preserve the majority of existing slope to the rear of the site.

Air quality degradation

The project does not propose to produce any visible smoke or chemical effluent discharge.

During construction, dust control measures will be implemented in accordance with the New Jersey Standards for Soil Erosion Control and as directed by the HEP County Soil Conservation district as denoted on the plan.

Noise Levels

The project will comply with the noise requirements of the Township of Nutley's ordinance requirements.

Energy Utilization

The project will have no adverse impact with respect to energy utilization. The building will be constructed to maximize energy efficiency as practical for the use. Energy efficient LED lighting is proposed for the site lighting to reduce energy use for the site lighting.

Neighborhood deterioration

The proposed site plan will not have an adverse impact on the surrounding neighborhood. The property is located within the overall Parks and Recreation Complex. The site plan will promote a continuous recreational use of the land.

Effect on public services, schools, fire and police

The project will not impose a burden on public services such as schools, fire and police. The site has been designed such that emergency vehicles could access to and from the premises. The site has been designed with parking lot lighting for security. Father Glotzbach Field is a community recreation asset and will be enhanced by turfing.

Traffic congestion

As per the existing parking layout prepared by Neglia Engineering Associates the project will have no adverse impact with respect to traffic congestion.

Health, safety, and welfare of existing residents

The project will have no adverse impact on public health, safety and welfare. During construction, the project site will not be open to the general public. The project will comply with all health and safety regulation.

Regional development policies

The project proposes a recreation use that is a permitted use as per the Township of Nutley's Land Development Ordinance. The project proposes to redevelop an existing site that has been previously developed and is in need of turf.

ENVIRONMENTAL IMPACT MITIGATION

Drainage plans

The project has been designed in accordance with the Township of Nutley Ordinance requirements for stormwater management along with the NJDEP State Stormwater Management Rules N.J.A.C. 7:8. The project will ultimately reduce offsite runoff by draining a compacted soil area.

Site design techniques sensitive to the natural environment and innovative landscape

The project has been designed to preserve the existing undeveloped portion of the site and stays within the confines of the fenced field area. We recommend that the project limits be clearly delineated with temporary construction fencing prior to construction to ensure that the areas to be preserved and trees to be preserved are protected from the construction.

Energy conservation measures

We recommend that the project be constructed to maximize energy efficiency as practical.

Noise reduction techniques

The project will comply with all Township of Nutley requirements for noise

Construction Schedule

We recommend that the Essex County Soil Conservation District approved construction sequence including the implementation of all soil erosion devices be adhered to.

ALTERNATIVES

The project as proposed is the best alternative given the previously developed site limits and the existing site constraints. The loss of the field use would damage the quality of life for New Jersey residents.

LICENSES, PERMITS, AND OTHER APPROVALS REQUIRED BY LAW

<u>Approval Required</u>	<u>Agency</u>
Courtesy Review Site Plan	Township of Nutley
Soil Erosion and Sediment Control Certification	HEP County Soil Conservation District
Essex County Site Plan	Essex County Planning Board
NDEP	Prebid review

All applicable building and construction permits

CONCLUSION

As per our environmental impact assessment for the Proposed Turf Project it is our understanding conclusion that:

1. The project will not result in appreciable harmful effects to both the natural and aesthetic environment
2. The project has been designed and conceived with a view toward the protection of the regional resources and energy saving techniques.
3. The project will not place a disproportionate or excessive demand upon the total resources available.