

**MADISON BOROUGH
PRELIMINARY ENVIRONMENTAL CHECKLIST**

Applicant's Name: Fairleigh Dickinson University

Applicant's Address: 285 Madison Avenue

Phone (Day / Evening): 201-692-2001

Contact Email Address: rfrick@fdu.edu

Project Name: FDU Baseball Field Improvements

Project Location: 285 Madison Avenue, Madison, NJ (Existing Field)

Type of Project: Minor Prelim. Final Prelim. Final
 Sub. Major Sub. Major Sub Site Plan Site Plan

Provide a brief description of proposed project: Baseball field improvements including new turf field, dugouts, bleachers, parking, and stormwater management controls

Please indicate the site Zoning District(s): University Please indicate Master Plan Land Use designation: _____

	Environmental Feature	Yes	No	Please Describe / Comments
PROJECT BACKGROUND				
1	Is the property currently being used? If so, please describe current use.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Baseball Field
2	Will any structures on the site be demolished as part of the project?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Current baseball backstop
3	Will the project be built in phases? If so please describe phasing schedule.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4	Do you have plans for future additions, expansions or further activity related to or connected with this proposal?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Land Resources				
5	Are there slopes over 12%? If so, provide the percentage.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	There are slopes over 12% on the Lot, but not within the baseball field project area.
6	Will the project involve changes in relief or drainage patterns?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7	Could erosion occur as a result of clearing, construction or use?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	temporary, minimal
8	Does the project propose measures to reduce or control erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	stormwater infiltration within turf field, compliant with Morris County soil conservation district
9	Does the project propose filling or grading? If so indicate approximate quantities.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	minimal regrading / cut
10	Does the site contain any Prime Aquifer Recharge Soils?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Riverhead & Haledon soils (NRI)
11	Does the project increase the amount of impervious surfaces? If so, indicate before and after percentages.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Existing impervious area for entire Lot is 11.62%, and the proposed impervious area will be 14.21%.

	Does the project increase the amount of open space or hardscaped public space on the site?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
Air Resources			
	Would the proposal result in emissions (i.e., dust, odors, smoke) during construction or after completion?	<input checked="" type="checkbox"/> <input type="checkbox"/>	temporary during construction
	Are there any off-site emissions or odors that may affect your proposal?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Does the project propose measures to reduce or control emissions or other impacts to the air, if any?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Does the project propose measures to reduce or control indoor air pollutants (i.e., dust from renovations, paints, molds/mildew, etc.)	<input type="checkbox"/> <input checked="" type="checkbox"/>	
Water Resources			
	Will the project require work within 200 feet of a surface water body (i.e., year-round and intermittent streams, lakes, ponds, wetlands)? Please describe.	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Does the proposal lie within a 100-year floodplain?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Will fill and dredge material be placed in surface water or wetlands	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Will fill and dredge material be removed from surface water or wetlands	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Will surface water or ground water be withdrawn or require a diversion?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Will there be discharge to ground water?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Does the project propose a method of surface runoff collection? Explain.	<input checked="" type="checkbox"/> <input type="checkbox"/>	Rainwater will be filtered through the new turf to a stone layer, which then infiltrates through subsoil
	Will runoff water flow into other waters?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Does the project propose measures to reduce or control surface water runoff impacts or impacts to ground water?	<input checked="" type="checkbox"/> <input type="checkbox"/>	Overflow drains will discharge into an existing stone swale. Driveway/parking incorporated in new system
	Is the project located within a Well Head Protection Area (WHPA)?	<input checked="" type="checkbox"/> <input type="checkbox"/>	Tier 3
Vegetation Resources			
	Will any trees (deciduous or evergreen) be removed or altered as a result of the project? Provide types and amount.	<input checked="" type="checkbox"/> <input type="checkbox"/>	42 trees of 6-inch dbh or greater (Norway maple, basswood, red oak, ailanthus, sugar maple, pin oak)
	Will any shrubs, plants, vine or grass areas be removed or altered?	<input checked="" type="checkbox"/> <input type="checkbox"/>	Understory species including blackhaw viburnum, bittersweet, wild grapevine, poison ivy
	Are there any threatened or endangered plant species known to be on or near the site? Please list.	<input type="checkbox"/> <input checked="" type="checkbox"/>	

	Does the project propose landscaping, use of native plants, or other measures to preserve or enhance vegetation?	<input checked="" type="checkbox"/> <input type="checkbox"/>	Yes, additional trees, shrubs and ground cover will be planted to mitigate loss of trees.
	Does the project propose any invasive, non-native or exotic plant species?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Does the project propose any new street trees?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Does the project propose Integrated Pest Management as part of its landscaping management plan?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Will the landscaping management of trees, plants, lawns or gardens on the site require fertilizer or chemical pesticide use?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
Wildlife Resources			
	Have any bird species (i.e., hawk, heron, eagle, duck, geese, songbirds) been observed on or near the site?	<input checked="" type="checkbox"/> <input type="checkbox"/>	common avian species; robin, bluejay, cardinal, red-tailed hawk, turkey vulture (See EIA)
	Have any animals (i.e., deer, bear, rabbit, possum, etc.) been observed on or near the site?	<input checked="" type="checkbox"/> <input type="checkbox"/>	common mammals; deer, rabbit, gray squirrel (See EIA)
	Are there any threatened or endangered species known to be on or near the site?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Does the project propose measures to preserve or enhance wildlife?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
Recycling, Energy and Natural Resources			
	Does the project incorporate a recycling plan? If so, please describe.	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Does the project propose the use of any alternative means of energy use (i.e., solar, wind, geothermal, etc.)?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Would your project affect the potential use of solar energy by adjacent properties?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Does the project propose any energy conservation features to reduce or control energy impacts? List types.	<input type="checkbox"/> <input checked="" type="checkbox"/>	
Environmental Health			
	Are there any existing areas of contamination on site? If so, please describe.	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Are there any environmental health hazards (i.e., exposure to toxic chemicals, risk of fire or explosion, hazardous waste, etc.) that could occur as a result of this project?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Will the project result in high levels of noise (i.e., traffic, construction, operation, music, etc.)? If so, indicate anticipated hours of noise.	<input type="checkbox"/> <input checked="" type="checkbox"/>	(existing recreational area for baseball)

	Does the project propose measures to reduce or control environmental health hazards or noise impacts, if any?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
Light and Glare			
	Would the proposal result in any light pollution or glare? What time of day?	<input checked="" type="checkbox"/> <input type="checkbox"/>	For safety purposes only, along walkways and drive/parking area
	Could light or glare from the finished project interfere with views?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	What existing off-site sources of light or glare may affect your proposal?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Does the project propose any measures to reduce or control light and glare impacts, if any:	<input type="checkbox"/> <input checked="" type="checkbox"/>	
Historic, Cultural and Recreation Preservation			
	Are there any places or objects listed on, or proposed for, national, state, or local historic preservation registers known to be on or next to the site?	<input checked="" type="checkbox"/> <input type="checkbox"/>	Twombly Estate under SHPO opinion, but none in proximity of the baseball field / project area
	Are there any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Are there any designated or informal recreational opportunities in the immediate vicinity of the site? Please list.	<input checked="" type="checkbox"/> <input type="checkbox"/>	Existing FDU recreational areas for baseball, football, track and field, soccer
	Would the proposed project displace any existing recreational uses? If so, describe.	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Does the project propose any measures to reduce or control impacts on historic resources and recreation uses within the vicinity, if any?	<input type="checkbox"/> <input checked="" type="checkbox"/>	Recreation areas will be improved, and no impact to historic resources
Transportation			
	Is the site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?	<input checked="" type="checkbox"/> <input type="checkbox"/>	Bus service on Rt. 24 (Madison Avenue) and train service at Convent Station
	Is the site currently served by sidewalks? Please indicate the condition of the sidewalks.	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Is the site currently served by designated bike lanes or "Share the Road" lanes?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Does the project propose any bicycle parking spaces?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Does the project require a variance for the number of vehicle parking spaces being provided?	<input type="checkbox"/> <input checked="" type="checkbox"/>	

	Does the parking area design include elements for Low Impact Development (LID) stormwater management (i.e., bioswales, porous pavement, tree plantings, etc.)	<input checked="" type="checkbox"/> <input type="checkbox"/>	LID elements include tree/shrub planting
	Does the project propose any pedestrian or bicycle use improvements?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Does the project propose measure to reduce or control transportation impacts?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
Public Services and Utilities			
	Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, describe.	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Does the project proposed measures to reduce or control direct impacts on public services, if any?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Does the project propose the installation or connection of new utilities (electric, gas, water, telephone, sewer, other)?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	Does the project proposed measures to reduce or control direct impacts on public utilities, if any?	<input type="checkbox"/> <input checked="" type="checkbox"/>	
Planning & Approvals			
Please indicate if the proposed project is compatible with the existing surrounding land uses (and projected land uses, if any). Describe any proposed measures to ensure compatibility:			
The proposed baseball field improvements will enhance and maintain the existing FDU facilities, remaining consistent with its long-term recreational land use			
List any additional governmental or agency approvals required for this project:			
Additional comments:			

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: *Richard Erick*
 Applicant: Fairleigh Dickinson University Date: 02/20/20

APPLICATION FOR DEVELOPMENT
PRELIMINARY ENVIRONMENTAL CHECKLIST

PURPOSE OF CHECKLIST

The purpose of this checklist is to collect information about a proposed development project in order to:

- Understand and consider the environmental impacts of a proposal before the Borough makes important land use decisions.
- Verify environmental conditions using the Madison Borough Environmental Resources Inventory (ERI), to make site-specific land use decisions with the knowledge of existing environmental conditions, and which are in the interest of the Borough's long-term sustainability.
- Adequately review the design of a proposed development and where practical, and determine ways to reduce, mitigate or avoid environmental impacts from a project.
- Determine whether the environmental impacts from a proposal are significant, requiring the preparation of an Environmental Impact Statement (EIS).
- Use the information collected to regularly update the Borough's ERI.

IMPACT AREAS

In reviewing applications, Madison's Planning and Zoning Boards are required to consider environmental features to minimize any adverse impact on the environment (§195-24.3.A.), including the:

- Prevention of soil erosion
- Protection of significant vistas or views

- Preservation of trees
- Protection of watercourses, resources, topography, soil and animal life
- Protection of air quality [Recommended]

EIS DETERMINATION

The Borough's Technical Coordinating Committee (TCC), with recommendation from the Madison Environmental Commission (MEC), is the agency responsible for determining whether an Environmental Impact Statement (EIS) is required for a project.

An EIS must be prepared [~~for applications involving a major subdivision, as part of preliminary approval~~] [Recommended: for all site plan and subdivision proposals that could result in a probable adverse impact on the quality of the environment or are in a critical area]. The submission requirements for an EIS are provided in Ordinance §195-20.F.

INSTRUCTIONS FOR APPLICANTS

This environmental checklist requires that applicant's describe basic information about their proposals or projects. If a question does not apply to your proposal, write "does not apply."

The checklist questions apply to all parts of a proposal, even if they will take place over a period of time or on different parcels of land. The intended components of the full project must be understood at the earliest stage of the project.

Attach any additional information that will help describe your proposal or its environmental effects.