



# WEST WINDSOR TOWNSHIP

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## DEPARTMENT OF COMMUNITY DEVELOPMENT DIVISION OF LAND USE ENVIRONMENTAL IMPACT WORKSHEET

Application Status:     Preliminary             Final             Concept

The purpose of this worksheet is to assist the West Windsor Township Environmental Commission in determining the environmental impact of a proposed project. The Commission will review the information as part of the Environmental Impact Statement (EIS) requirements. If the information supplied is insufficient or a high potential for an adverse environmental impact exists, then additional details on specific environmental parameters may be requested.

This worksheet has been formatted so that each question must be answered for both the preliminary and the final stages of plan submission. Consequently, this worksheet must be submitted to the Township prior to preliminary approval and again prior to final approval is granted by the Planning Board or Zoning Board of Adjustment. This procedure is used to monitor the changes that may occur during or as a result of the Township's review process.

It is recommended that the mapping presented and referenced in the Conservation Plan Element of the Master Plan, which serves as the Environmental Resource Inventory (ERI, formerly known as the Natural Resource Inventory (NRI)) for the Township, be used in conjunction with field acquired data and other primary or secondary sources to accurately answer these questions. Please list the origin of any data source(s).

1. Name of Applicant: \_\_\_\_\_
2. Mailing Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
3. Telephone Number: \_\_\_\_\_  
Email: \_\_\_\_\_
4. Name of Property Owner(s): \_\_\_\_\_
5. Mailing Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
6. Telephone Number: \_\_\_\_\_  
Email: \_\_\_\_\_  
\_\_\_\_\_

7. Name of Agent: \_\_\_\_\_  
 8. Mailing Address: \_\_\_\_\_
9. Telephone Number: \_\_\_\_\_  
 Email: \_\_\_\_\_
10. Name of Development: \_\_\_\_\_
11. Type of Development: \_\_\_\_\_
12. Application Number: \_\_\_\_\_
13. General Location of Proposed Project  
 \_\_\_\_\_
14. Area of Project: \_\_\_\_\_ Dimensions: \_\_\_\_\_  
*(enclose site location map with project area delineated)*
15. Intended Use of Property (include details such as number of units, volume, etc.)  
 Preliminary: \_\_\_\_\_  
 Final: \_\_\_\_\_  
 Concept \_\_\_\_\_
16. Generally Describe the Present and Past Use of the Site:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
17. Construction Dates (month/year) for which the permit is requested  
 (If more than one phase is anticipated, give dates for each phase):  
Preliminary  
 Begin: \_\_\_\_\_ End: \_\_\_\_\_  
Final  
 Begin: \_\_\_\_\_ End: \_\_\_\_\_  
Concept  
 Begin: \_\_\_\_\_ End: \_\_\_\_\_
18. List any other permits for this project from federal, state, local, or other governmental agencies for which you have applied or will apply, including the name of the issuing agency, whether the permit has been applied for, and if so, the date of the application (leave blank if not submitted), whether the application was approved or denied (including date) or pending, and the number of the application or permit.

*Preliminary*

Agency	Permit Type	Date Submitted	Number	Status

*Final*

Agency	Permit Type	Date Submitted	Number	Status

*Concept*

Agency	Permit Type	Date Submitted	Number	Status

19. Topographic Slope

19.a Do slopes greater than 10% occur on site?  Yes  No

If yes, give the acreage: 10 to 15% slope: \_\_\_\_\_ acres

(Identify on Map): >15% to 20% slope: \_\_\_\_\_ acres

(Identify on Map): Greater than 20% slope: \_\_\_\_\_ acres

19.b Will slopes greater than 10% be developed? If yes, give details.

Preliminary:  Yes  No

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Final:  Yes  No

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Concept:  Yes  No

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Additional details may be presented in the mitigative measures section.

20. Excavation/Fill

20.a Has any part of the site been excavated?  Yes  No

Has any part of site been filled?  Yes  No

*(Identify excavation/fill areas on map)*

20.b Do you plan to excavate?  Yes  No

Do you plan to fill?  Yes  No

*(Identify excavation/fill areas on map)*

21. Flood Hazard and Riparian

21.a Do sections of the site lie within the floodway or flood hazard area and/or a required riparian buffer?

Yes  No

If yes, give the acreage:

(Identify on Map) Acres in Flood Hazard Area \_\_\_\_\_ acres

(Identify on Map) Acres in Floodway \_\_\_\_\_ acres

(Identify on Map) Acres in Riparian Area \_\_\_\_\_ acres  
Buffer

Into Riparian Buffer \_\_\_\_\_ feet

21.b How will the flood hazard area and floodway be disturbed or developed?

Preliminary: \_\_\_\_\_

Final: \_\_\_\_\_

Concept: \_\_\_\_\_

Additional details may be provided in the mitigative measures section.

21.c What source was utilized to identify the flood hazard areas noted on the plans?

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22. Aquifer Recharge

22.a Describe the geologic formation(s) at the site.

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22.b How many acres of the following categories are present on the site?  
(Identify on map)

Area of Prime Aquifer Recharge: \_\_\_\_\_ acres

Area of Moderate Aquifer Recharge: \_\_\_\_\_ acres

Area of High Aquifer Recharge: \_\_\_\_\_ acres

Area of Low or Minimal Aquifer Recharge: \_\_\_\_\_ acres

22.c How many acres of prime and high aquifer recharge areas will be covered at full development?

Preliminary: \_\_\_\_\_ acres of prime recharge

\_\_\_\_\_ acres of high recharge

Final: \_\_\_\_\_ acres of prime recharge

\_\_\_\_\_ acres of high recharge

Concept: \_\_\_\_\_ acres of prime recharge

\_\_\_\_\_ acres of high recharge

Measures used to encourage recharge should be discussed in the mitigative measures section.

23. Depth of Seasonally High Water Table

23.a What is the extent of the following depth of water table on the site?  
(Identify on map)

Deep or Usually Deep: \_\_\_\_\_ acres \_\_\_\_\_ feet

Shallow to Moderately Shallow: \_\_\_\_\_ acres \_\_\_\_\_ feet

Very Shallow: \_\_\_\_\_ acres \_\_\_\_\_ feet

23.b How will the areas of shallow, moderately shallow, and very shallow depths to water table be developed? (Identify on map)

Preliminary: \_\_\_\_\_

Final: \_\_\_\_\_

Concept: \_\_\_\_\_

23.c Will areas of the site be artificially drained? If yes, give details.

Preliminary:     Yes                       No

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Final:                       Yes                       No

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Concept:                       Yes                       No

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Additional details may be presented in the mitigative measures section.

24. Suitability for Septic System Effluent Disposal  
(Answer only if on-site sewerage treatment will be used for the project)

24.a How many acres of the following categories are the site

Few to slight limitations for septic effluent:                      \_\_\_\_\_ acres

Moderate to severe limitations for septic effluent:                      \_\_\_\_\_ acres

Severe to very severe limitations for septic effluent:                      \_\_\_\_\_ acres

Describe limitations:

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24.b Will the areas having severe or very severe limitations be used for septic system effluent disposal?

Preliminary:     Yes                       No

If yes, describe measures which will be used to protect water quality in the mitigative measures section. If any percolation tests have been conducted, please attach details.

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Final:                       Yes                       No

If yes, describe measures which will be used to protect water quality in the mitigative measures section. If any percolation tests have been conducted, please attach details.

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Concept:                       Yes                       No

If yes, describe measures which will be used to protect water quality in the mitigative measures section. If any percolation tests have been conducted, please attach details.

24.c Are there any potable water wells (existing or proposed) in the vicinity of the proposed septic system effluent fields?

Preliminary:  Yes  No

Final:  Yes  No

Concept:  Yes  No

If yes, are they down gradient from the septic fields?

Preliminary:  Yes  No

Final:  Yes  No

Concept:  Yes  No

What is the distance between the wells and the closest disposal field?

Preliminary: \_\_\_\_\_ feet

Final: \_\_\_\_\_ feet

Concept: \_\_\_\_\_ feet

What is the depth of each existing or proposed well? \_\_\_\_\_ feet

Additional Comments:

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24.d Are there any waterbodies including: existing ponds, streams, proposed stormwater detention/retention basins, or related green infrastructure elements in the vicinity of the proposed septic fields?

Preliminary:  Yes  No

Final:  Yes  No

Concept:  Yes  No

If yes, what is the distance between the water body and the closest disposal field?

Preliminary: \_\_\_\_\_ feet

Final: \_\_\_\_\_ feet

Concept: \_\_\_\_\_ feet

24.e Do any of the proposed septic fields overlie prime aquifer recharge areas?

Preliminary:  Yes  No

Final:  Yes  No

Concept:  Yes  No

25. Suitability for Buildings with Basements  
 (Answer only if basements are proposed on the site)

25.a What is the extent of the following categories on the site?

Slight limitations for basements: \_\_\_\_\_ acres

Moderate limitations for basements: \_\_\_\_\_ acres

Severe limitations for basements: \_\_\_\_\_ acres

25.b What are the reasons for the limitations (i.e. flooding, slope, drainage, etc.)?

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25.c Are buildings with basements planned for areas of severe limitations?

Preliminary:     Yes                       No

Final:             Yes                       No

Concept:         Yes                       No

If yes, what corrective measures will be taken?

Preliminary: \_\_\_\_\_

Final: \_\_\_\_\_

Concept: \_\_\_\_\_

Additional details may be provided in the mitigative measures section.

26. Vegetation and Wildlife Habitat (Provide location map for all vegetation and trees)

26.a What are the predominant vegetation categories on the site and their acreage before and after development? (Identify on map)

*Preliminary:*

Vegetation Type	Acres Existing	Acres Post Development



*Final:*

Vegetation Type	Acres Existing	Acres Post Development

*Concept:*

Vegetation Type	Acres Existing	Acres Post Development

- 26.b List the number and species of trees on the site having a diameter at breast height (dbh) of 6 inches or greater. (Identify on map)

<i>Preliminary:</i>	Species

Will any of these large diameter trees be removed due to construction?  
(Identify on map)

- Preliminary:     Yes                       No  
 Final:             Yes                       No  
 Concept:         Yes                       No

27. Greenbelt

- 27.a Is the Township Greenbelt, as it appears on the approved land use plan, present on the proposed development site? (Identify on map)

- Yes             No

- 27.b If yes, how many acres does it cover? \_\_\_\_\_ acres

27.c If yes, do you plan to disturb the Greenbelt Area?

Preliminary:  Yes  No

Final:  Yes  No

Concept:  Yes  No

27.d How many acres of Greenbelt are proposed to be lost to development?

Preliminary: \_\_\_\_\_ acres

Final: \_\_\_\_\_ acres

Concept: \_\_\_\_\_ acres

27.e How many acres of Greenbelt are proposed to be covered by

Preliminary: \_\_\_\_\_ acres

Final: \_\_\_\_\_ acres

Concept: \_\_\_\_\_ acres

Additional comments:

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28. Land Suitability for Development

28.a Does the proposed development site include any environmentally sensitive areas?

Yes  No

28.b If yes, check the environmentally sensitive area category which occurs on the site and give acreage:

Sensitive Areas	Preliminary Acreage	Final Acreage
Wetlands		
Freshwater Marshes		
Prime Aquifer Recharge Areas		
Woodland and Wildlife (Greenbelt Plan)		
Prime Agricultural Land		
Archaeological Sites (number)		
Historical Sites and Routes (number)		
Streams with Extremely Low Flow		

29. Environmentally Sensitive Areas

29.a Will these environmentally sensitive areas be impacted by development?

Preliminary:  Yes  No

Final:  Yes  No

Concept:  Yes  No

Explain (More details may be given in the mitigative measures section):

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30. Historic/Archeological Sites

30.a Is the proposed project located within 500 feet of an area or structure having recognized historic, cultural, or archaeological value?

Yes  No

31. Surface Water

31.a Do any streams run through the property?  Yes  No

31.b What is the distance to the nearest stream off the property? \_\_\_\_\_ feet

31.c Are there point (i.e. wastewater treatment plant discharges) or nonpoint (i.e. stormwater) pollution sources on or near the site?

Yes  No

If yes, give details:

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31.d If a stream exists on the property, give a brief description of its condition including details on, but not limited to, flow, nutrient levels, aquatic community, substrate, bank stability:

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31.e If any surface water impoundments exist on the site, indicate below their present surface area and average depth. Will these dimensions be changed after site development?

	Surface Area	Average Depth
Impoundment 1		
Existing Condition		
Post Development		
Impoundment 2		
Existing Condition		
Post Development		

31.f What types of fish are found in the impoundments?

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31.g Are the impoundments:  Natural, or  Manmade?

31.h Are the impoundments used for:  Fishing,  Irrigation, or  Other?

31.i Additional comments on impoundment quality:

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32. Water Supply

32.a What is the anticipated daily demand for water?

Preliminary: \_\_\_\_\_ average; \_\_\_\_\_ peak

Final: \_\_\_\_\_ average; \_\_\_\_\_ peak

Concept: \_\_\_\_\_ average; \_\_\_\_\_ peak

32.b What is the proposed source of water for the project?

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32.c Are there known groundwater pollution problems on or near the site?

Yes  No

Is there a groundwater supply problem?

Yes  No

If yes, give details:

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- 32.d If the water is to be supplied from the site, attach a statement substantiating the adequacy of the water source and assessing the potential impact on existing and proposed wells and streams within the predicted zone of influence.
- 32.e If a development of five (50) or more dwelling units is proposed, certification of adequacy (of proposed water supply) must be obtained from the New Jersey Department of Environmental Protection (NJDEP). (List permit number under Question No. 18)
- 32.f If the water is to be supplied from the site or other new source and the total project demand for water supply is in excess of 100,000 gallons per day, the applicant must obtain a diversion permit from the NJDEP and, where applicable, the Delaware River Basin Commission. (List permit number under Question No. 18)
- 32.g If water is to be supplied by an existing public or private facility, attach documentary proof that the facility has the available excess capacity to supply the proposed project and is willing to do so. State location of the existing distribution point to which the proposed project would be connected.
33. Wastewater Management (Answer only if off-site treatment system is proposed)
- 33.a What is the project daily wastewater flow?
- Preliminary: \_\_\_\_\_ average; \_\_\_\_\_ peak
- Final: \_\_\_\_\_ average; \_\_\_\_\_ peak
- Concept: \_\_\_\_\_ average; \_\_\_\_\_ peak
- 33.b Will any non-domestic wastewater be produced by the project?
- Preliminary:  Yes  No
- Final:  Yes  No
- Concept:  Yes  No
- If yes, give details:
- Preliminary: \_\_\_\_\_
- Final: \_\_\_\_\_
- Concept: \_\_\_\_\_
- 33.c Attach documentation on the facility to be used for wastewater treatment, correspondence with NJDEP Division of Water Resources and, if required, the Delaware River Basin Commission.
34. Solid Waste Management (List permit number under Question No. 18)
- 34.a What is the proposed method of solid waste disposal?
- \_\_\_\_\_
- \_\_\_\_\_

34.b Estimate the volume of solid wastes, by type, expected from the proposed project during construction and during operation:

During Construction: \_\_\_\_\_

During Operation: \_\_\_\_\_

35. Air Quality (Answer only if commercial or industrial development is proposed)  
(List permit number under Question No. 18)

35.a List sources, identify, and quantify air pollutants which will be generated by the project:

\_\_\_\_\_  
\_\_\_\_\_

See Section 200-25 of the Site Plan Ordinance for West Windsor's Technical Performance Standards. Provide detail in mitigative measures section, if necessary.

36. Noise Levels (Answer if nonresidential use is proposed or if residential development has five (5) or more dwelling units)

36.a Describe sources, location, and decibel rating for noise generation on-site after construction.

\_\_\_\_\_  
\_\_\_\_\_

See Section 200-25 of the Site Plan Ordinance for West Windsor's Technical Performance Standards.

37. Land Use

37.a Check on the types of land use occurring on parcels adjacent to project site.  
(Identify on map)

Residential       Commercial       Industrial       Recreational  
 Agricultural       Institutional       Vacant

37.b What are the effects (detrimental and beneficial) of proposed development on adjacent land uses?

\_\_\_\_\_  
\_\_\_\_\_

38. Mitigation Measures

38.a Describe the methods that will be used during and after construction to avoid or minimize adverse environmental impacts associated with the project. Use additional sheets as required.

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39. Adverse Impacts Which Cannot Be Avoided

39.a List all adverse environmental impacts that will be caused by the proposed development, including the construction phase and post-development. Short-term impacts should be distinguished from long-term impacts. Reversible impacts should be distinguished from irreversible impacts. Specify the types of impacts on critical areas which include, but are not limited to, the Greenbelt, streams, floodways, wetlands, steep slopes, areas of high water table, prime aquifer recharge areas and mature strands of native vegetation (specify the type of critical area involved). Define the extent of the area to be affected and the extent of similar areas of the site which will not be affected.

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40. Proximity to Electrical Transmission Lines, Distribution Lines, or Substations

40.a Is the proposed development site located near an electric utility Right of Way (ROW) or electrical substation?

Yes       No

40.b What is the proposed distance from the utility ROW in relation to boundaries of the proposed building site? Please include map or schematic drawing to aid explanation:

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40.c What is the kV<sup>i</sup> voltage in the transmission<sup>ii</sup> and/or distribution<sup>iii</sup> lines?

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40.d How many dwelling units will actually back up to the utility ROW?

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40.e What is the proposed distance of dwelling units from the edge of the utility ROW?

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40.f What are the projected magnetic field measurements for those dwellings backing up to the ROW?

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41. Radon

41.a Is radon present on the site?  Yes  No

41.b If so, what measures will be taken to mitigate radon accumulation?

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<sup>i</sup> kV - refers to voltage or the electrical force that causes electrical current to flow in a conductor (wire). The electrical force or "strength" is measured in volts.

<sup>ii</sup> Transmission Lines - high voltage power lines that efficiently carry electric power over long distances from generating facilities to substations. Lines are mounted on high towers and voltages are usually 115kV, 230kV and 500kV.

<sup>iii</sup> Distribution Lines - secondary conductor power lines that radiate from a substation and carry electrical power to local neighborhoods. Voltages are usually 11-15kV but 26kV and 69kV are also classified as distribution lines.