

LOW IMPACT DEVELOPMENT CHECKLIST
Hudson County Planning Board

Please fill out this checklist for identifying Low Impact Development Activities incorporated into the proposed land development.

Part 1 - Vegetation and landscaping

1. Has an inventory of existing site vegetation been performed? _____
If yes, was the inventory a factor in the site's layout and design? _____
2. Does the site utilize any of these non-structural LID-BMPs:
 - a. Preservation of natural areas: _____ If yes, specify location _____ and % of site _____
 - b. Use of native ground cover: _____ If yes, specify location _____ and % of site _____
 - c. Use of vegetated buffers: _____ If yes, specify location _____ and % of site _____
3. Specify percentage of total building roof area that will be vegetated: _____.
4. How many trees will be planted on site? _____ How many deciduous _____ Coniferous _____
How many trees will be removed? _____
How many *street* trees will be planted? _____ What types: _____

Part 2 – Minimizing site disturbance

5. Have inventories of existing site soils and slopes been performed? _____ If yes, were the inventories a factor in the site's layout and design? _____. Please explain _____.
6. Explain how site disturbance will be minimized during construction phases
_____.
7. Specify the percent of site to be cleared: _____. For buildings: _____. For driveways _____.
Specify % of site to be re-graded: _____.
8. Specify the site's hydrologic soil group (HSG) percentages:
HSG A: _____ HSG B: _____ HSG C: _____ HSG D: _____
9. Specify percentage of each HSG that will be permanently disturbed:
HSG A: _____ HSG B: _____ HSG C: _____ HSG D: _____
10. Explain how site disturbance will be minimized within areas with greater permeable soils (HSG A and B) to maintain groundwater recharge rates and reduce stormwater volume increases.
_____.

Part 3 – Impervious area management

11. Specify the following with regards to impervious coverage:
 - a. Maximum site impervious coverage (%) permitted by local regulations _____
 - b. Existing (%) (pre-project) impervious coverage at the site: _____
 - c. Proposed (%) impervious coverage for the site: _____
 - d. Is the site designed to achieve minimum impervious coverage? _____

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12. Specify percentage of impervious coverage that will be porous: _____. Please explain which site areas will be porous: _____
13. Specify the following with regards to the number of parking spaces:
- a. The number of parking spaces required by local regulations for the development _____
 - b. The number of parking spaces being provided _____
 - c. Is the site designed to minimize the number of parking spaces to reduce impervious surface? _____
14. Specify the following with regard to the size of parking stalls:
- a. The size of parking spaces required by local regulations _____
 - b. The size of parking stalls being provided _____
15. Specify percentage of total parking area that will be:
- a. Located beneath buildings _____
 - b. Within a multi-level parking deck _____
 - c. Only for compact cars _____
16. Specify the number of parking spaces provided for bicycle parking _____

Part 4 - Circulation Improvements

17. Explain how the project will impair or improve vehicular traffic flow? _____

18. Provide the pre-project Level of Service (LOS) _____ Post-project LOS _____
19. Explain how roadway safety and the pedestrian environment will be improved for each of the following:
- a. Placement and type of intersection signals _____
 - b. Pedestrian features _____
 - c. Sidewalk replacement _____
 - d. Access control _____
 - e. Aesthetic treatments _____
 - f. Improved sight distance _____
 - g. Street and sidewalk lighting _____
 - h. Pedestrian- and bicyclist-activated signals _____
 - i. Landscaped planters _____
 - j. Bus pullout lanes and transit shelters _____
20. Explain how bicycle use will be promoted for the development. Will bicycle accessories (bike racks, secure storage, showers, etc.) be provided? _____
21. Explain how public transit will be promoted for the development _____
22. Will Transportation Demand Management techniques be provided? Please explain:

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Part 5 – Source Control and Pollution Prevention

- 23. Specify number of outdoor trash receptacles provided _____. Number of recycling receptacles provided _____.
- 24. Is a recycling plan being submitted _____?
- 25. Identify stormwater management measures on the site that prevent discharge of large trash and debris.

Part 6 – Energy and Environmental Control

- 26. Indicate what is being done to reduce the site’s contribution to the urban heat island effect (i.e., light-colored/high albedo pavement surface with a minimum albedo of 0.3; use of porous pavement; substantial increase of tree canopy) _____
- 27. Will outdoor lighting fixtures be installed with energy-efficient fixtures in conformance with the Hudson County Land Development Regulations and as outlined by the International Dark Sky Association (IDA) www.darksy.org to preserve and protect the nighttime environment? Please explain.

- 28. What percentage of the total electricity for the site will be from renewable sources? _____. Please explain _____

Part 7 – Construction Materials

- 29. Is there a plan for the processing, transportation and disposal of waste? Provide a description of all material being disposed and location of disposal.

- 30. What percentage of non-hazardous construction and demolition debris from the project will be recycled? _____ Salvaged back into the site? _____

Part 8 – Community

- 31. Explain how meaningful public input was incorporated into the project. Provide evidence of how community values (historic preservation, cultural, neighborhood preservation, environmental) were integrated into the design process.

- 32. Explain how the project is consistent with the Hudson County Master Plan

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Part 9 – Narrative

33. In narrative form, provide an overall description of the LID-BMP approach to stormwater management and strategies incorporated into the proposed site design. Attach additional pages as necessary.

Part 10 – Compliance with Non-structural Requirements of NJDEP Stormwater Management Rules

N.J.A.C. 7:8-5.3(b)

No	Nonstructural Strategy	Yes	No
1	Protect areas that provide water quality benefits or areas particularly susceptible to erosion and sediment loss. <i>Please explain:</i>		
2	Minimize impervious surfaces and break up or disconnect the flow of runoff over impervious surfaces. <i>Please explain:</i>		
3	Maximize the protection of natural drainage features and vegetation. <i>Please explain:</i>		
4	Minimize the decrease in pre-construction time of concentration. <i>Please explain:</i>		
5	Minimize land disturbance including clearing and grading. <i>Please explain:</i>		
6	Minimize soil compaction. <i>Please explain:</i>		
7	Provide low maintenance landscaping that encourages retention and planting of native vegetation and minimizes the use of lawns, fertilizers, and pesticides. <i>Please explain:</i>		
8	Provide vegetated open-channel conveyance systems that discharge into and through stable vegetated areas. <i>Please explain:</i>		
9	Provide preventative source controls. <i>Please explain:</i>		