

# LOW IMPACT DEVELOPMENT CHECKLIST

PZC File Number: \_\_\_\_\_

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The use of Low Impact Development (LID) practices are encouraged wherever feasible to increase natural infiltration and maintain the pre-development hydrology of a site. The PZC may require applicants for Site Plan and Special Permit approval to submit this checklist pursuant to the “Other Information” provisions of Article 5, Sections A.3 and B.3.

Due to individual site differences, not all items will apply to each individual property. Check items that have been applied, or explain why the practices have not been used. For more information on LID practices and how to implement them, please refer to the [2011 Low Impact Development Appendix to the Connecticut Stormwater Quality Manual](#).

## Assessment of Natural Resources

|            |   |                          |
|------------|---|--------------------------|
| <b>NR1</b> | Natural resources and constraints have been indicated and are identified on the plans (wetlands, rivers, streams, flood hazard zones, meadows, agricultural land, tree lines, slopes (identified with 2-foot contours), soil types, exposed ledge and stone walls)  | <input type="checkbox"/> |
| <b>NR2</b> | Copies of the following documents have been included in the application submission for properties that are identified on the latest CTDEEP Natural Diversity Database (NDDDB) Map as potentially having State and Federal Listed Species and Significant Natural Communities:<br><input type="checkbox"/> Completed CTDEEP NDDDB Request Form<br><input type="checkbox"/> Copy of CTDEEP Response<br><input type="checkbox"/> Description of how CTDEEP recommendations will be addressed | <input type="checkbox"/> |
| <b>NR3</b> | Development is designed to avoid critical watercourses, wetlands, and steep slopes.   | <input type="checkbox"/> |
| <b>NR4</b> | Soils suitable for septic and stormwater infiltration have been identified on plans.  | <input type="checkbox"/> |
| <b>NR5</b> | Soil infiltration rate/permeability has been measured and listed on plan.   | <input type="checkbox"/> |
| <b>NR6</b> | On-site soils have been assessed to determine suitability for stormwater infiltration.  | <input type="checkbox"/> |
| <b>NR7</b> | Natural existing drainage patterns have been delineated on the plan and are proposed to be preserved or impacts minimized.  | <input type="checkbox"/> |

*Please use the space below or attach additional sheets if needed to provide other pertinent information and for unchecked items, explain why that particular practice was not appropriate or possible for your project and what alternatives were considered.*

## Preservation of Open Space

|  |  |                          |
|--|--|--------------------------|
| <b>OS1</b>   | Plans identify the percentage of existing natural open space and percentage of natural open space to be retained post development.           | <input type="checkbox"/> |
| <b>OS2</b>   | Buildings and/or lots have been clustered to maximize open space.  | <input type="checkbox"/> |
| <b>OS3</b>   | Open space and common areas are delineated on the plans.   | <input type="checkbox"/> |
| <b>OS4</b>   | Open space is retained in a natural condition.   | <input type="checkbox"/> |
| <b>OS5</b>   | Setbacks, frontages and right-of-way widths have been minimized where practicable based on unique features of site and neighborhood context. | <input type="checkbox"/> |
| <p><i>Please use the space below or attach additional sheets if needed to provide other pertinent information and, for unchecked items, explain why that particular practice was not appropriate or possible for your project and what alternatives were considered.</i></p> |  |                          |
|  |  |                          |

## Minimization of Land Disturbance

|  |  |                          |
|--|--|--------------------------|
| <b>MD1</b>   | Proposed buildings and site improvements are located where development can occur with the least environmental impact.      | <input type="checkbox"/> |
| <b>MD2</b>   | Disturbance areas have been delineated to avoid unnecessary clearing or grading.   | <input type="checkbox"/> |
| <b>MD3</b>   | Native vegetation outside the immediate construction area remains undisturbed or will be restored.                         | <input type="checkbox"/> |
| <b>MD4</b>   | Plan includes detail on construction methods and sequencing to minimize compaction of natural and future stormwater areas. | <input type="checkbox"/> |
| <p><i>Please use the space below or attach additional sheets if needed to provide other pertinent information and, for unchecked items, explain why that particular practice was not appropriate or possible for your project and what alternatives were considered.</i></p> |  |                          |
|  |  |                          |

## Reduce and Disconnect Impervious Cover

|            |  |                          |
|------------|--|--------------------------|
| <b>IC1</b> | Impervious surfaces have been kept to the minimum extent practicable, using the following methods (check which methods were used):<br><input type="checkbox"/> Minimized road widths<br><input type="checkbox"/> Minimized driveway area<br><input type="checkbox"/> Minimized sidewalk area<br><input type="checkbox"/> Minimized cul-de-sacs<br><input type="checkbox"/> Minimized building footprint<br><input type="checkbox"/> Minimized parking lot area | <input type="checkbox"/> |
| <b>IC2</b> | Impervious surfaces have been disconnected from the stormwater system and directed to appropriate pervious areas, where applicable. Pervious areas may be LID practices or uncompacted turf areas.   | <input type="checkbox"/> |

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## LID Practices Installed

|      |  |                          |
|------|--|--------------------------|
| LID1 | Sheet flow is used to the maximum extent possible to avoid concentrating runoff.                                       | <input type="checkbox"/> |
| LID2 | Vegetated swales have been installed adjacent to driveways and/or roads in lieu of a curb and gutter collection system | <input type="checkbox"/> |
| LID3 | Rooftop drainage is discharged to bioretention/rain gardens  | <input type="checkbox"/> |
| LID4 | Rooftop drainage is discharged to drywell or infiltration trench   | <input type="checkbox"/> |
| LID5 | Rainwater harvesting methods such as rain barrels or cisterns have been installed to manage roof drainage.             | <input type="checkbox"/> |
| LID6 | Driveway, roadway, and/or parking lot drainage is directed to bioretention/rain gardens.                               | <input type="checkbox"/> |
| LID7 | Cul-de-sacs include a landscaped bioretention island.  | <input type="checkbox"/> |
| LID8 | Vegetated roof systems have been installed, if appropriate.  | <input type="checkbox"/> |
| LID9 | Pervious pavements have been installed, if appropriate.  | <input type="checkbox"/> |

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