



# Low Impact Development (LID)

## Developer Checklist

City of Manhattan Beach

**Please carefully read the following instructions:**

- Check the appropriate boxes in items 1-3 below and attach the checklist to your project plans.
  - If any of the boxes in item 1 are checked, do not complete items 4-8 of this checklist.
    - If none of the boxes in item 1 are checked, complete items 4-8.
- If any of the boxes in Items 4-8 are checked, please include this checklist **ON** your plans and not as an attachment.

1. Please check any boxes below that apply to your development project:

- Single Family Residential Project on parcel less than 10,000 SF
- Any other project type on parcel less than 5,000 SF (e.g., multi-family residential projects, commercial, mixed use, institutional, industrial, etc.)
- Project purpose is solely routine maintenance such as the reconstruction of a parking lot or sidewalk which will maintain the original grade and alignment without disturbing additional area

2. Does your project include any of the following features? Check all that apply.

- Storm drain inlets
- Outdoor material storage areas
- Trash storage and waste handling
- Loading/unloading dock
- Outdoor vehicle or equipment repair or maintenance area
- Outdoor vehicle or equipment washing area
- Fueling and maintenance area
- Landscape with irrigation
- Animal care and handling facilities
- Outdoor horticulture areas
- Wood pressure treated with arsenate, copper or chromium compounds
- Copper and galvanized (zinc-coated metals), e.g., metal roof, chain link fencing, etc.

3. Do your project plans include pollutant source control measures consistent with Appendix D of the LA County LID Standards Manual for each project feature checked in Item 2?

- Yes       No
-



## Low Impact Development (LID) Developer Checklist City of Manhattan Beach

4. Please check all boxes that apply to your Priority Development Project type below:
- Single Family Residential project on parcel 10,000 SF or more
  - Multi-family residential project on parcel 5,000 SF or more
  - Commercial project on parcel 5,000 SF or more
  - Mixed use, institutional, industrial, or other project type on parcel 5,000 SF or more
  - Includes 10,000 SF+ of new roadway or 5,000 SF+ of street/road redevelopment, either as a stand-alone project or an element of a new or redevelopment project
5. Do your project plans include a Post Construction Stormwater Mitigation Plan, also known as a Low Impact Development Plan or LID Plan?
- Yes       No
6. Confirm that your LID Plan includes the following required elements by checking the boxes:
- Endorsement by a licensed Professional Engineer
  - Stormwater Quality Design Volume (SWQDV) calculations or modeling for the project
  - Stormwater control measures locations with tributary area to each measure delineated
  - Design detail plans/schematics for each stormwater control measure
  - Sizing calculations for each stormwater control measure shown on the plans
  - WRAMPS2 New-Redevelopment spreadsheet with required fields/information completed for each stormwater control measure (these items are highlighted in the spreadsheet). *Note, a separate row must be completed for each structural control measure.*
7. If your project cannot reliably retain 100% of the SWQDV onsite, does your LID Plan include a Technical Infeasibility Analysis, including a Site-Specific Hydrologic and/or Design Analysis signed by a registered professional engineer, geologist, architect or landscape architect?
- Yes       No
8. If Technical Infeasibility Analysis is included with your LID Plan, which alternative measures will your project use to mitigate the non-retained portion of the SWQDV? Check all that apply:
- Onsite Biofiltration
  - Offsite Infiltration
  - Off-site Retrofit of Existing Development
  - Onsite Flow-Based Treatment: Note, you must obtain LA Water Board Executive Officer approval to use this alternative

**IF ANY OF THE BOXES IN ITEMS 4-8 ARE CHECKED INCLUDE THIS COMPLETED CHECKLIST ON THE PLANS.**