

Proposed Stormwater Ordinance Amendment

Public Works Commission November 10, 2022



Regulatory Background

- Federal Clean Water Act (CWA)
- National Pollutant Discharge Elimination System (NPDES) Permits
- Regional Municipal Separate Storm Sewer System (MS4) Permits
- 2021 MS4 Permit



- 1. Prohibited Discharges: Add certain common city activities and requirements
- 2. Requirements for Existing Properties
- 3. Lowering the LID Criterion on Development Projects





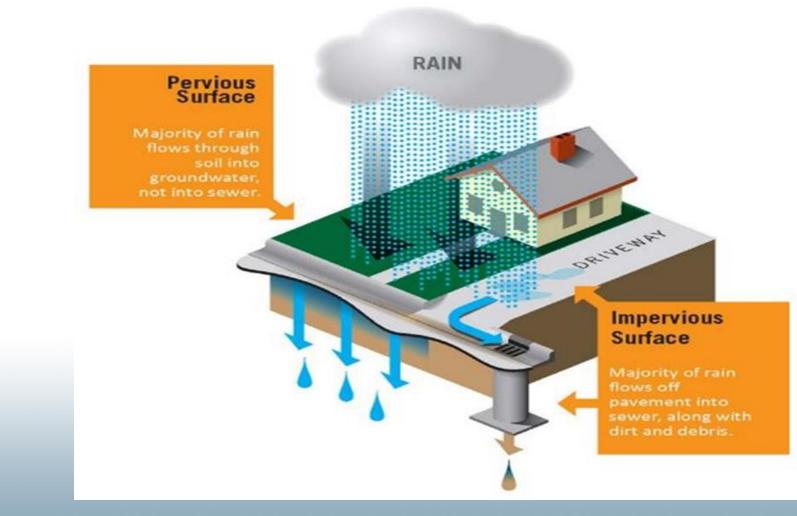


Low Impact Development (LID)

 Design approach to managing stormwater runoff as part of green infrastructure.

Development Project	Size of Impervious Surface Area	LID Required	Permit Requirement
Single-Family Residential (SFR)	5,000 SF	YES	YES
Non SFR (i.e. Commercial, MFR)	5,000 SF	YES	YES
SFR or Non-SFR	<5,000 SF	YES, Small-scale BMP	NO





0

G



 \bigcirc





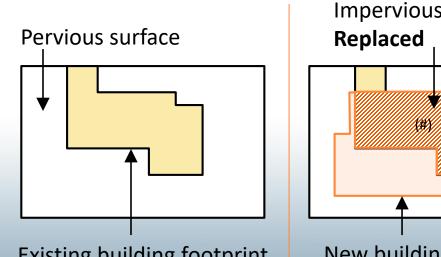




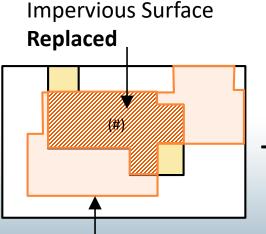


Determining LID Applicability

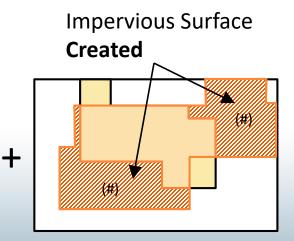
 Development projects that Create and/or Replace impervious surface above permit thresholds are required to implement specific Low Impact **Development (LID) practices**



Existing building footprint (impervious surface)



New building footprint (impervious surface)



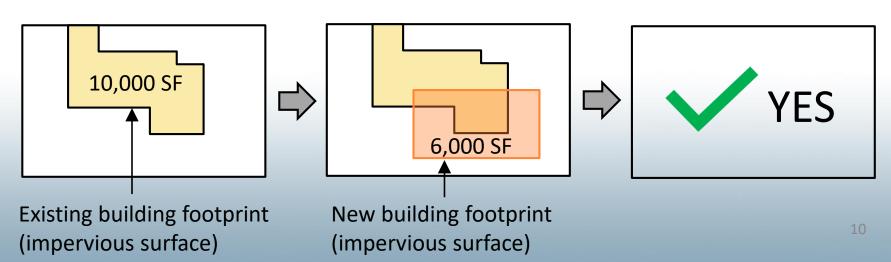


Regulatory LID Threshold

LID Threshold:

Development (SFR or non-SFR) projects that create and/or replace ≥ 5,000 SF of impervious surface on any existing site ≥ 10,000 SF of impervious surface

Does LID apply to this project?





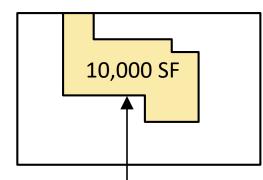
LID Standard: 50% Rule

- For projects subject to LID standard, either some or all of the project must be included in the LID mitigation:
 - If the alteration (created and/or replaced) is ≥ 50% of the existing impervious surface: Mitigate the Entire Impervious Surface Area
 - If the alteration (created and/or replaced) is < 50% of the existing impervious surface altered:
 Mitigate Only the New Area



> 50% Treat All

Existing Impervious Surface Altered by **replacing** 7,000SF

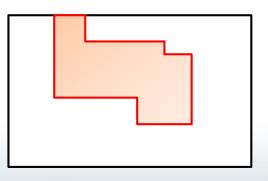


Existing impervious surface area footprint (impervious surface) 7,000 SF

New impervious surface area footprint (impervious surface) 7,000/10,000 = 70%

70% > 50%

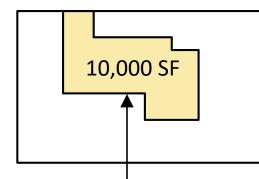
= Treat <u>entire</u> project



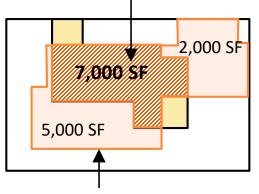


≥ 50% Treat All

Existing Impervious Surface Altered by replacing 7,000 SF



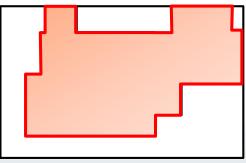
Existing impervious surface area footprint (impervious surface)



New impervious surface area footprint (impervious surface) 7,000/10,000 = 70%

70% > 50%

= Treat <u>entire</u> project = 17,000 SF



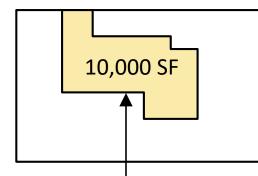


LID Standard: < 50%

Existing Impervious Surface Altered 4,000 SF

4,000 SF

2,000 SF

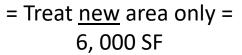


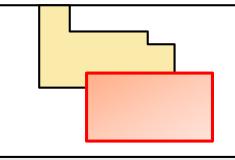
Existing building footprint (impervious surface)

New building footprint (impervious surface)



40% < 50%





For illustration purposes only:



- Non-LID development projects (<5,000 SF created or replaced impervious surface area)
- Projects must implement at least two simple site design BMPs









Rain Barrels/Cisterns



Porous Pavement/Permeable Hardscape

Rain Garden/Landscaping

Roof Downspout Routing





LID BMP Manual



County of Los Angeles Department of Public Works

Low Impact Development



Standards Manual February 2014







Q



Next Steps

- Staff seeks feedback on the proposed amendments, especially the LID proposals.
- If the Commission approves the proposed amendments, a draft ordinance will be presented in first quarter of 2023.



Impervious Surface



Q