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Case Studies

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Abbreviations & Acronyms

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Abbreviations & Acronyms

CERM	Civil Engineering Reference Manual
CSO	Combined Sewer Overflow
DCIA	Directly Connected Impervious Area
DIC	Disconnected Impervious Cover
PADEP	Pennsylvania Department of Environmental Protection
E & S	Erosion and Sediment
ERSA	Existing Resource and Site Analysis
HSG	Hydrologic Soil Group
L & I	Department of Licenses & Inspections
MS4	Municipal Separate Storm Sewer System
NPDES	National Pollutant Discharge Elimination System
NOAA	National Oceanic and Atmospheric Administration
NRCS	National Resources Conservation Service
O & M	Operations and Maintenance
PASMM	Pennsylvania Stormwater Management Manual
PA SBMPM	Pennsylvania Stormwater BMP Manual
PCPC	Philadelphia City Planning Commission
PCSMP	Post-Construction Stormwater Management Plan
PWD	Philadelphia Water Department
SMP	Stormwater Management Practice
SWTR	Surface Water Treatment Rule
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
ZBA	Zoning Board of Adjustments

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Glossary

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Glossary Terms

Buffer: The area of land immediately adjacent to any surface water body measured perpendicular to and horizontally from the top-of-bank on both sides of a stream that must remain or be restored to native plants, trees, and shrubs.

Design Professional: A licensed professional engineer registered in the Commonwealth of Pennsylvania.

Design Storm: The magnitude and temporal distribution of precipitation from a storm event measured in probability of occurrence (e.g., five-year storm) and duration (e.g., 24 hours), used in the design and evaluation of stormwater management systems.

Developer: Any landowner, agent of such landowner, or tenant with the permission of such landowner, who makes or causes to be made a subdivision of land or land development project prior to issuance of the Certificate of Occupancy.

Development: Any human-induced change to improved or unimproved real estate, whether public or private, including but not limited to land development, construction, installation, or expansion of a building or other structure, land division, street construction, and site alteration such as embankments, dredging, grubbing, grading, paving, parking or storage facilities, excavation, filling, stockpiling, or clearing. As used in these Regulations, development encompasses both new development and redevelopment. It includes the entire development site, even when the project is performed in stages.

Development Site: The specific tract of land where any earth disturbance activities are planned, conducted, or maintained.

Diffused Drainage Discharge: Drainage discharge not confined to a single point location or channel, such as sheet flow or shallow concentrated flow.

Directly Connected Impervious Area (DCIA): An impervious or impermeable surface, which is directly connected to the drainage system as defined in the Philadelphia Stormwater Management Guidance Manual.

Earth Disturbance: Any human activity which moves or changes the surface of land, including, but not limited to, clearing and grubbing, grading, excavation, embankments, land development, agricultural plowing or tilling, timber harvesting activities, road maintenance activities, mineral extraction, and the moving, depositing, stockpiling, or storing of soil, rock or earth materials.

Existing Conditions: Physical conditions on the site including land use, impervious surface, topography, vegetation, soils, and hydrology that exist on the site on the date the owner starts the development process.

Erosion and Sediment Control Plan: A plan for a project site that identifies stormwater detention and retention structures that will minimize accelerated erosion and sedimentation during the construction phase.

Groundwater Recharge: The replenishment of existing natural underground water supplies without degrading groundwater quality.

Hotspots: Areas where land use or activities have contaminated the soil underlying the site such that infiltration of stormwater would likely cause groundwater contamination through leaching of the soil.

Impervious Surface: A surface that prevents the infiltration of water into the ground. Examples of impervious surface include roofs, streets, sidewalks, and parking or driveway areas that are covered with impervious paving materials such as asphalt or concrete.

Management District: Sub-area delineations that determine peak rate attenuation requirements, as defined in the Manual. Sites located in more than one management district shall conform to the requirements of the district into which the site discharges

Manual: The 2005 or most recent edition of the Philadelphia Stormwater Management Guidance Manual. A comprehensive technical stormwater management reference for use in the City of Philadelphia.

New Development: Any development project that does not meet the definition of redevelopment as defined in these Regulations or any development project at a site where structures or impervious surfaces were removed before January 1, 1970.

Owner: Any person, landowner, developer, or tenant with the permission of such landowner who holds legal title to a property subsequent to issuance of the Certificate of Occupancy.

Post Construction Stormwater Management Plan (PCSMP): A complete stormwater management plan as described in these regulations and in the Manual.

Predevelopment Condition: for the purpose of new development, the predevelopment condition shall be the existing condition of the site. For redevelopment, predevelopment shall be defined according to the procedures found in the Manual.

Redevelopment: Any development on a site that requires demolition or removal of existing structures or impervious surfaces and replacement with new impervious surfaces. This includes replacement of impervious surfaces that have been removed on or after January 1, 1970 with new impervious surfaces. Maintenance activities such as top-layer grinding and re-paving are not considered redevelopment. Interior remodeling projects are also not considered redevelopment.

Stormwater Management Practice (SMP): Any man-made structure that is designed or constructed to convey, store, or otherwise control stormwater runoff quality, rate, or quantity. Typical SMPs include, but are not limited to, detention and retention basins, swales, storm sewers, pipes, and infiltration structures.

Stormwater Pretreatment: Techniques employed in SMPs to remove pollutants before they enter the structure, limited to techniques defined and listed as pretreatment in the Manual.

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