

APPENDIX H

STORMWATER ANALYSES REPORTS

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STORMWATER ANALYSIS REPORT REQUIREMENTS

A Stormwater Management Report is required for every site improvement where the Presumptive Approach is used. The report shall be prepared by a licensed Civil Engineer in the State of Oregon. The report should include the following information where applicable:

Cover Sheet

- Project name and owner
- Site address
- Associated permit numbers
- Engineer
- Firm
- Address
- Contact information
- Oregon Professional Engineer's registration stamp

Table of Contents

Project Overview and Description

- Size and location of project site (vicinity map)
- Type of development/proposed improvements
- Watershed description
- Permits required (local, state, federal)
- Existing vs. post-construction conditions

Methodology

- Drainage at existing site
- Potential impacts on the proposed site from existing conditions
- Potential impacts from the proposed site on existing drainage
- Techniques for mitigating potential conflicts or problems
- Infiltration testing results
- Narrative that defines the proposed stormwater management techniques, including discharge point(s) for runoff from private and public impervious areas
- Stormwater hierarchy category justification

Analysis

- Design Assumptions
- Design storms used
- Computation methods
- Software used
- Safety factors, curve numbers, and design coefficients
- Clarify variations from the norm
- PAC narrative form and printouts
- Conveyance requirements and design
- Table of impervious area treated (differentiates public vs. private and roof vs. pavement).
- Comparison table of the flow rates for pre and post construction. Table must show that the project meets the flow control requirements if applicable
- Determination of the flood control point of discharge and capacity of receiving system

Engineering Conclusions

- Based on compliance with Stormwater Management Manual
- How water quality, flow control, and flood control requirements are satisfied
- Stormwater Facility Details/Exhibits
- Contour maps of pre and post development
- Impervious area identification
- Watershed delineation
- Existing and new drainageways
- Point(s) of discharge
- Delineation of each catchment

Additional Forms

- Source Control Special Circumstances Installations (if applicable)
- Special Circumstances (if applicable)
- Other Reports (if applicable)