Chapter 1 INTRODUCTION

The Clearing, Grading, and Stormwater Management Technical Notebook (herein referred to as the Stormwater Notebook) supplements the 2005 Washington State Department of Ecology Stormwater Management Manual for Western Washington, defines how the 2005 Ecology Manual is to be applied in the City of Redmond, and provides information and standards specific to stormwater management in Redmond. The Stormwater Notebook adjusts the 2005 Ecology Manual as required by the Western Washington Phase II Municipal Stormwater Permit.

The Stormwater Notebook is intended to assist those who prepare and submit applications and construction documents by providing design requirements and permit processing information. The methods outlined in the Stormwater Notebook are not the only methods acceptable for use in the City, but any deviations from these must still meet or exceed the intended results and be reviewed and approved by the City.

1.1 Code Requirements

Code requirements regarding stormwater management are in the Redmond Municipal Code, Chapter 15.24 (included in Appendix A). The Stormwater Notebook is a supplement to the code and the code should also be reviewed to understand the procedures and requirements.

The design, construction, and maintenance of all clearing, grading and stormwater management systems and facilities shall comply with the requirements and design standards contained in all the following documents, and provided in order of precedence:

- 1. RMC 15.24
- 2. Any applicable construction specifications, design standards and details approved under the authority of subsection (2) of this section.
- The Washington State Department of Ecology Stormwater Management Manual for Western Washington, dated February 2005 or its successor when approved by the City's Technical Committee and as applied by the Clearing, Grading and Stormwater Management Technical Notebook.

1.2 Permitting Review Process

The permitting review process is a partnership between the applicant and representatives from the City. Throughout the Stormwater Notebook, there are specific stormwater management alternatives that may be approved for a specific project with the approval of the Stormwater Engineer or the Technical Committee. Private Development projects are reviewed by a Stormwater Engineer within the Development Services Division of Public Works. Public Capital Improvement Projects are reviewed by a Stormwater Engineer within the Natural Resources Division of Public Works. In some instances, the City's Technical Committee will review a project. Chapters 3, 4, 5, and 6 go into more detail about the review process for specific project types.

1.3 Documents Adopted by Reference

The following documents are adopted by reference:

- Redmond Municipal Code, Chapter 15.24, Latest Edition.
- Redmond Zoning Code, Latest Edition.
- The 2005 Department of Ecology Stormwater Management Manual for Western Washington, dated February 2005, or its successor when approved by the Public Works Director.
- Low Impact Development Technical Guidance Manual for Puget Sound, May 2005, or its successor when approved by the Public Works Director.
- Standard Specifications and Details for Public Works Construction, prepared by the City
 of Redmond Public Works Department, Latest Edition.

1.4 Vesting

This document is subject to revision from time to time. The issue dates are shown on the front cover. The issue of this manual that applies to a particular project is the issue that is (or was) in effect when the proposed project was "vested." If a newer issue of the Stormwater Notebook is published after a project is vested, the project will have the right to use the newer version of the Stormwater Notebook in its entirety, or the older version in its entirety.

- A project subject to a Building Permit is vested when a Building Permit Application is submitted that is deemed complete by the City.
- A Preliminary Plat or a Short Plat is vested when the application for the Preliminary Plat or Short Plat is submitted and is deemed complete by the City.
- A project involving only clearing or grading is vested when an application for the clearing and/or grading work is submitted and determined to be complete by the City.
- Capital project design standards are vested when the City Council approves the project design contract.

Note that this vesting requirement applies only to the requirements of this Stormwater Notebook. For further information, contact the Development Services Center or the Stormwater Engineer.

1.5 Additional Permit Requirements

Additional City of Redmond requirements and special conditions listed on a specific project's permits apply to clearing, grading, or stormwater work in specific circumstances. While not necessarily a complete list, the following programs often apply to clearing, grading, and/or stormwater work in or near Critical Areas or Shorelines (defined in the Redmond Zoning Code). Contact the City of Redmond Development Services Center for more information about these programs:

• Shorelines – Can apply to projects within 200 feet of Bear Creek, Evans Creek, the Sammamish River, Lake Sammamish, and their associated floodplains and wetlands.

- Critical Areas Can apply if your project proposes work (as defined in the Redmond Zoning Code 21.64) within:
 - fish and wildlife habitat conservation areas;
 - wetlands
 - o geologically hazardous areas;
 - o frequently flooded areas; or
 - o critical aquifer recharge areas.

Other agencies may also have requirements and permits related to work in Redmond. While not necessarily a complete list, the following agencies and their permits have been a part of many projects in Redmond:

- State Department of Fish and Wildlife Hydraulic Project Approval (HPA) for work below the Ordinary High Water Mark (OHWM) of surface waters including intermittent streams (work that uses, diverts, obstructs or changes natural flow or bed of State waters).
- State Department of Ecology NPDES Permit(s): programs related to water quality management from construction sites of 1 acre or more. Water Quality Certification (401) ensures that limits placed in a permit on the quantity and concentration of pollutants discharged are not exceeded.
- Corps of Engineers a number of permits (under Section 404 of the Clean Water Act
 and Section 10 of the Rivers and Harbors Act) related to protection of "waters of the
 United States" including wetlands, streams and other surface waters. As appropriate the
 Army Corps will coordinate with the NOAA Fisheries (regarding federally listed
 anadromous species such as salmon) and U.S. Department of Fish and Wildlife
 (regarding federally listed land or freshwater species such as eagles or bull trout) to
 ensure Endangered Species Act consistency.
- Coastal Zone Management Certification (CZM) issued by the federal permitting agency or state DOE. This is required for USACE authorized projects and other federally licensed or permitted projects. Ensures compliance with a number of federal and state acts relating to environmental protection including the federal Clean Water Act, Clean Air Act, WA State Environmental Policy Act, and Shoreline Management Act & Energy Facility Site Evaluation Criteria.
- U.S. Coast Guard & WA State DNR are also involved in certain projects involving impacts (such as a bridge) over or adjacent to navigable waters (Class 1 Streams)
- Federal Emergency Management Agency programs related to flood protection near major streams and rivers.

Also note that any work proposed beyond the applicant's property limits requires written concurrence of the owners of those properties.