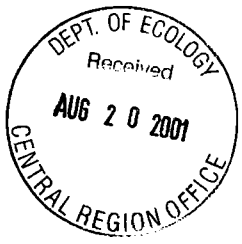

SOIL MANAGEMENT PLAN
WILLAMETTE COURT
581 AND 583 EASTMONT AVE,
EAST WENATCHEE, WASHINGTON

Submitted to:

LNR Affordable Housing, Inc
6420 S.W. Macadam Ave
Portland, Oregon 97201

Submitted by:

AMEC Earth & Environmental, Inc.
11335 N.E. 122nd Way, Suite 100
Kirkland, Washington 98034

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1-91M-14061-A

Introduction

The purpose of this soil management plan (SMP) is to ensure that utility workers and site resident are aware that any excavation work on the site below 16 – 18 inches requires some protective measures to be undertaken.

This report and the restrictive covenant will be made available to any contractor in advance of any landscaping or utility maintenance or access work being undertaken.

Background

Soils containing lead and arsenic concentrations above the allowable Department of Ecology Model Toxics Control Act (MTCA) regulatory thresholds for residential property are present on the plots known as 581 and 583 Eastmont Avenue, East Wenatchee, Washington. The soil containing the contamination is located beneath a geotextile layer at an approximate depth of 16 – 18 inches throughout the site. Clean gravel fill and topsoil are located above the geotextile layer from 16-18 inches below ground level (bgl) to the surface level.

Site Control

The SMP and restrictive covenant are held by Mr. Chuck Parks who organizes access to the site. In the advance of any work being undertaken Mr. Parks will be contacted to gain site access. Mr. Parks will ensure that a copy of the SMP and restrictive covenant is passed to all contractors prior to gaining site access. Notification to the Department of Ecology will be given in advance of any earthworks likely to affect geotextile layer. Contact details are given below.

Soil Management

It is not anticipated that residents of the property, landscapers or the building manager would have any need or reason to excavate on the site to a depth of 16-18 inches bgl. However, the geotextile membrane is present throughout the whole site (with the exception of beneath the pavement and building footprint). The membrane is white and cannot be easily cut with a spade or gardening fork. This barrier should be used as a warning as to the presence of contaminated soils and should not be removed or cut to allow deeper excavation work.

It is understood that utility workers may need to access utilities at various intervals. The utilities are surrounded by clean bedding material and as such it is not anticipated that a utility worker would come into contact with contaminated soils unless new trenches are being excavated. During any work undertaken on the site, care must be taken to ensure that the geotextile layer is removed from the line of the utility and replaced on completion. The importance of replacing the geotextile layer is essential to retaining the recognizable break between the clean and contaminated soils.

In the event that a new utility line is to be excavated the following procedures should be adopted:

1. Workers should be aware that the soil below the geotextile layer is contaminated with lead and arsenic.
2. The soil above the geotextile layer will be excavated and stockpiled separately from soil below the geotextile break.
3. The geotextile will be cut along the length of the utility trench unless the position is such that two adjacent sheets can be lapped back.
4. Soils below the geotextile layer will be excavated and disposed off site at a licensed landfill unless they can be re-used on site **below** the geotextile layer.
5. The geotextile layer will be replaced and overlapped on both sides by 1 foot margins. Any replacement geotextile fabric will at minimum have a weight of 6 oz, a tensile strength of 160 lbs and a puncture strength of 280 psi.
6. All workers who will come into contact with contaminated soils should wear, at a minimum, cotton gloves. In order to prevent hand to mouth transfer of contamination, no smoking or eating at the excavation will be permitted and workers should wash hands thoroughly before eating or smoking.

Contact Details

Site Access

Company:	LNR Affordable Housing, Inc
Address:	6420 S.W. Macadam Ave
	Portland, Oregon 97201
Name:	Mr. Chuck Parks
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Department of Ecology

Name:	Mr. Rick Roeder
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	15 West Yakima Avenue, Suite 200
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