



L55.192

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DEPT. OF ENVIRONMENTAL CONSERVATION

Johnson Nissan Facility

Monitoring Well Installation

&

Soil Boring Sampling

Interim Status Report

May 2002

1.0 Introduction

The purpose of this report is to describe the methods and procedures for monitoring well installation and collection of representative soil samples as part of the release investigation and site characterization for the Johnson Nissan Site.

Monitoring well installations were conducted in accordance with ADEC's Recommended Practices for Monitoring Well Design, Installation, and Decommissioning, April 1992. Soil samples were collected in accordance with UST Procedures Manual - Standard Sampling Procedures-December 1, 1999.

2.0 ADEC Cross Reference

Previous site data and reports have been presented to the ADEC over the last 10 years. See Figure 1: Site Diagram with monitoring wells

This site has the following ADEC designations:

Johnson Nissan Facility, 4748 Old Seward Highway, Anchorage, Alaska	
File # L55.192	Facility ID# 2470
Eventy ID#404	Reckey # 942100220

3.0 Project Scope of Work

The project scope of work includes the following:

The scope of work for this project included installation of two monitoring wells located down gradient from the Johnson Nissan facility. Soils from the borings were field screened using PID headspace field screening procedures and representative samples collected and submitted to an approved laboratory for analysis.

4.0 Monitoring Well Installation

Denali Drilling, Anchorage, Alaska, installed two monitoring wells on April 29, 2002. Monitoring wells were installed in accordance with ADEC 18 AAC 78.615 and ADEC Recommended Practices for Monitoring Well Design and Installation April 1992.

The new monitoring wells were installed down gradient from the Johnson Nissan site as shown on Figure 1. The wells are identified as MW-11 and MW-12.

Each well consisted of 2 inch PVC riser pipe with 10 feet of machine slotted well screen. The wells were placed with the center of the 10 foot screened section at the water table. The approximate depth to water table at both well locations is 8 feet. Details of the well design, description of associated soils, and site photographs are shown in Figure 2 and Figure 3.

5.0 Soil Screening

During well placement, soil samples were collected from a 2 ft. split spoon for PID headspace field screening. Soils were collected at depths of 5-7, 7-9, 9-11, 11-13, and 13-15 ft bgs. During soil screening no hydrocarbon odors or visual signs of contamination were observed.

Soils were field screened using a RAE Professional PID. The PID was calibrated using 100 ppm IsoButylene standard calibration gas prior to and during field screening activities.

The PID field screening results for each well are summarized in the following table:

Well	5-7 ft bgs	7-9 ft bgs	9-11 ft bgs	11-13 ft bgs	13 – 15 ft bgs
MW-11	2.5 ppm	5.2 ppm	2.5 ppm	1.9 ppm	1.5 ppm
MW-12	2.1 ppm	3.9 ppm	1.4 ppm	1.3 ppm	1.7 ppm

Table 1: Soil Field Screening Data

6.0 Soil Sample Collection

Soils were field screened and sampled by Mr. Steven McCain, a civil engineer and ADEC Qualified Person. One laboratory soil sample was collected from each well from the 7 – 9 foot depth. Soils from these depths had the higher PID measurements and the groundwater interface is also at this depth.

Soil samples were collected in accordance with the standard sampling procedures. Samples were collected using disposable spoons. Excavated soils are being held pending analytical results. Disposable sampling materials will be disposed of at an approved facility pending analytical results.

7.0 Sample Containers, Preservation, and Holding Times

Sample handling and analysis was conducted in accordance with ADEC procedures and regulations. Sample containers, holding times and preservation methods are summarized in the following table.

Parameter	Matrix	Container	Holding/Preservation
GRO/BTEX	Soil	4 oz amber, TLS	Methanol < 25C, 28 days
DRO	Soil	4 oz amber, TLC	4C, 14 days to extract, analyze < 40 days
TLS = Teflon lined Cap with Septa TLC = Teflon Lined Cap			

Table 2: Sample Containers, Holding Times and Preservation

8.0 Sampling Objectives, Methods, Detection Limits and Frequency

Soils from monitoring wells were submitted for the following analyses:

Well ID	Location	Analytes	Method	PQL*	Frequency
MW-11 MW-12	7-9 ft bgs	DRO GRO Benzene Toluene Ethylbenzene Xylene	AK102 AK101 EPA 8021 EPA 8021 EPA 8021 EPA 8021	20 mg/Kg 20 mg/Kg 0.02 mg/Kg 0.05 mg/Kg 0.05 mg/Kg 0.05 mg/Kg	1 per well
* Practical Quantitation Limit					

Table 3 – Sampling Locations, Objectives, Methods. Detection Limit and Frequency

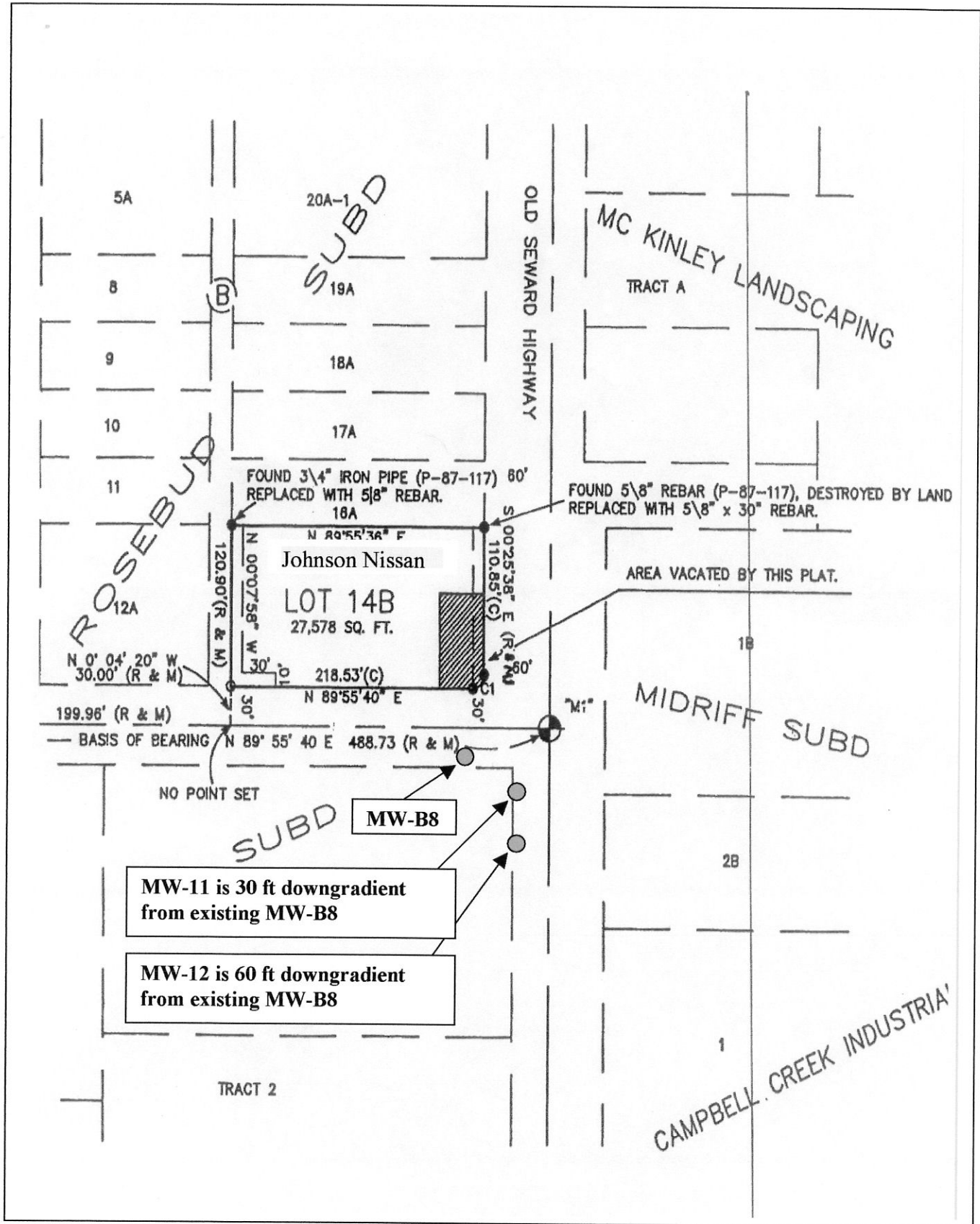
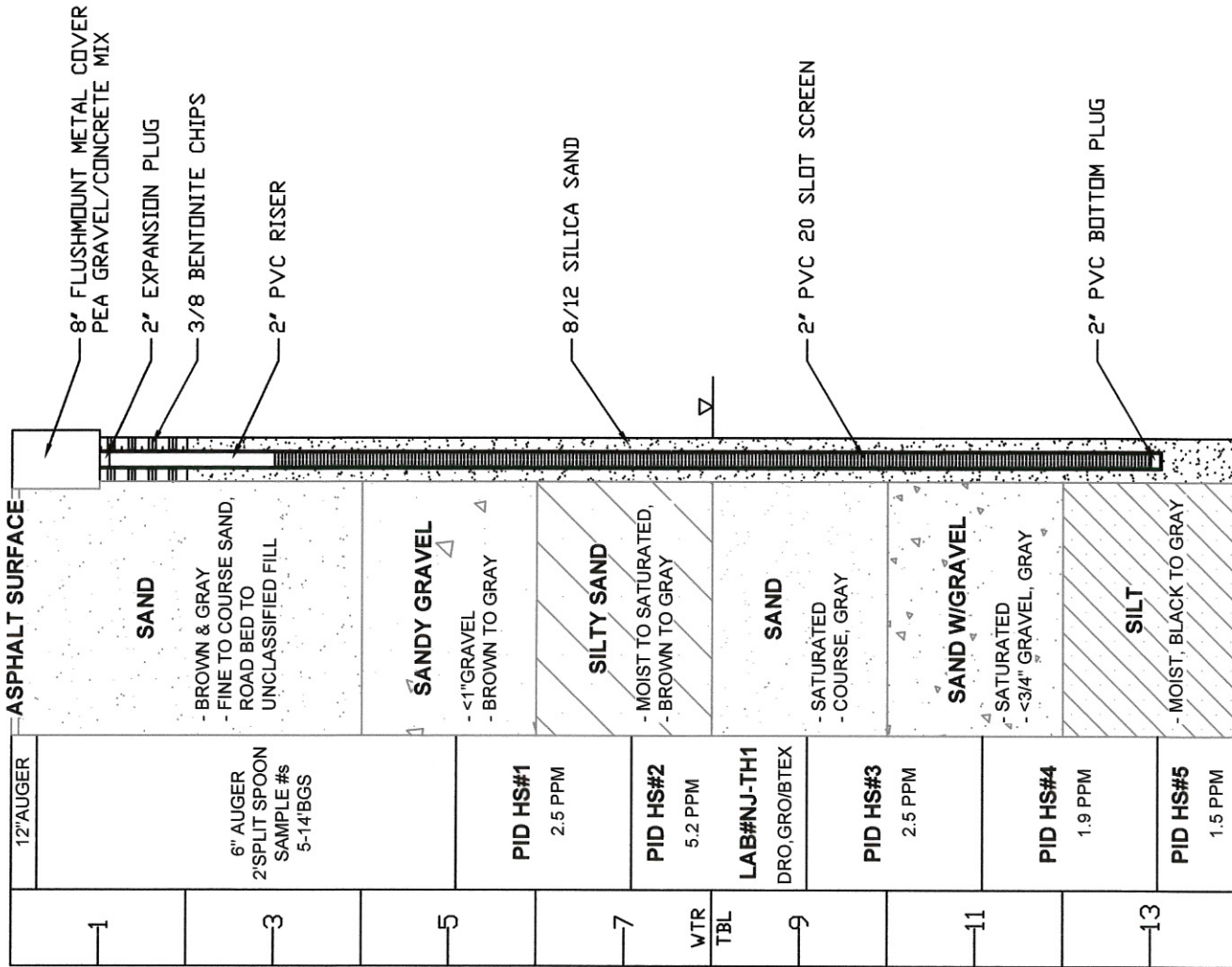


Figure 1: New Monitoring Well Locations
Nissan Johnson Remediation Site
Anchorage, Alaska

DEPTH (FEET BGS)



MW#11&12
PRIOR TO
DRILLING



DRILLING
BOREHOLE
#2, MV#11



MW#11, SPLIT
SPOON
SAMPLE #2

**JOHNSON NISSAN FACILITY ID#2470
MONITORING WELL #11**

AT BORING LOCATION #1 DRILLED 29APR2002



FIGURE#2



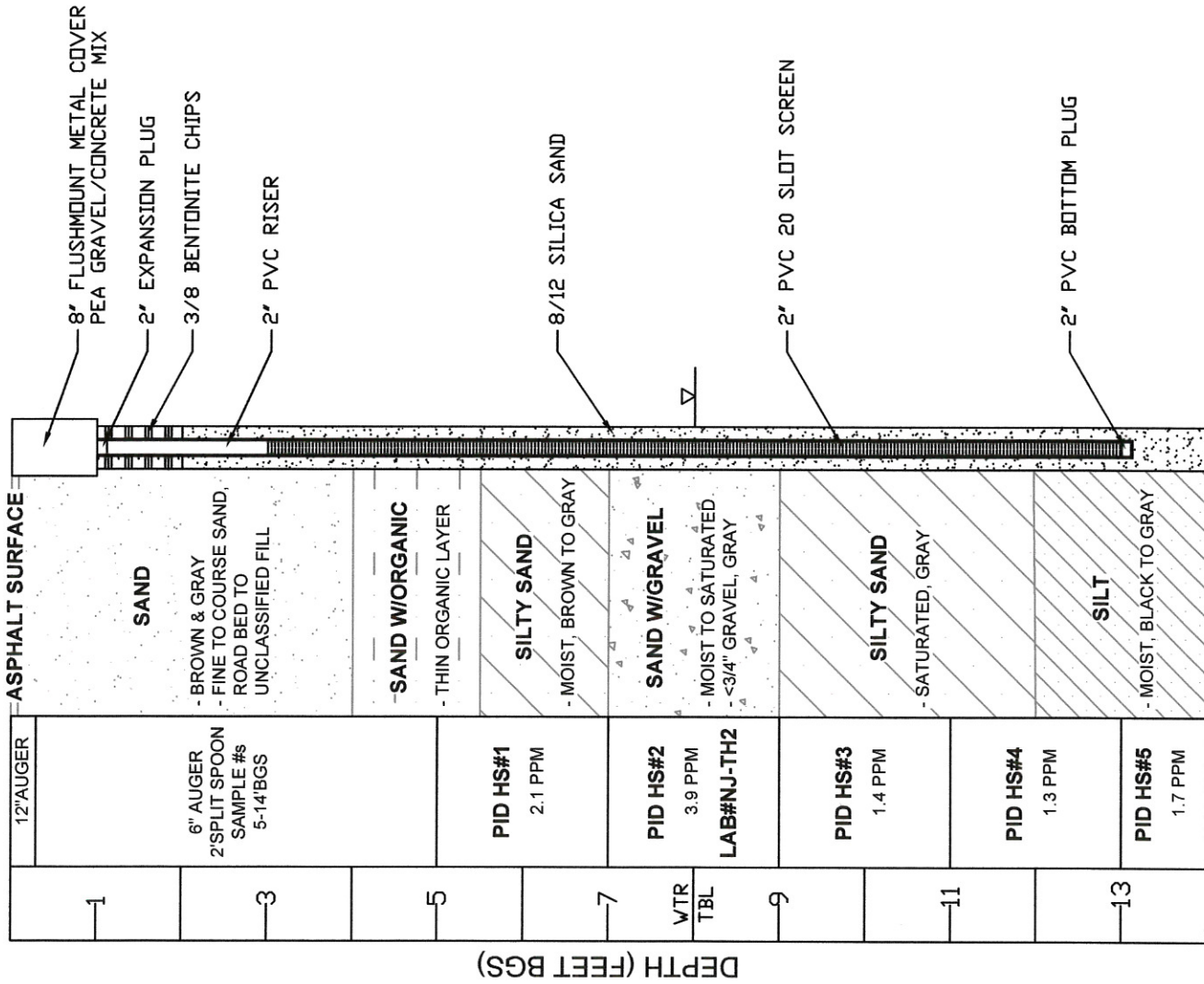
DRILLING BOREHOLE #2, MW#12



MW#12, SPLIT SPOON SAMPLE #1



MW#12 INSTALLED, PROTECTIVE COVER IN PLACE



JOHNSON NISSAN FACILITY ID#2470
MONITORING WELL #12

AT BORING LOCATION #2 DRILLED 29APR2002



FIGURE#3