

Mr. David V. Kalet,  
Environmental Project Manager  
Atlantic Richfield Company  
28100 Torch Parkway  
Mail Code 2 South  
Warrenville, Illinois 60555

2 June 2006  
TPT # 05e-2150

re: Soil Management Work Plan  
Jones Development Property  
Halvor Lane  
Superior, Wisconsin

*original  
noted  
6/5/06  
sm*

Dear Mr. Kalet:

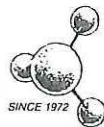
I am writing in response to your request for a copy of our project's Soil Management Work Plan associated with the upcoming excavation of the Jones Development property in Superior, Wisconsin.

As you know, Jones Development plans to excavate approximately 15,000 cubic yards of surface soils from the property for its redevelopment project, with 7000 yards to be disposed of at the city of Superior's Moccasin Mike Landfill. While the excavation was expected to commence this fall, the city recently requested that all soils destined for the landfill be delivered by June 15<sup>th</sup>. In consideration of this request, the general contractor, Reuben Johnson and Son, Inc., has scheduled a preliminary excavation (limited to 7000 yards) as a first stage, to begin this coming Tuesday, June 6<sup>th</sup>. The second stage of the excavation, commencing some time this fall, will deal with the remainder of the soils, a portion of which will be disposed of at the Reuben Johnson quarry, and a portion to be re-integrated for landscaping material on the Jones property. The following Soil Management Work Plan applies to both stages of the excavation.

If you have any questions or comments regarding the following Work Plan, please call me directly at 715-392-7114.

Sincerely,  
Twin Ports Testing, Inc.

  
\_\_\_\_\_  
Jon Hinkel, P.G.  
Project Management Leader



## SOIL MANAGEMENT WORK PLAN SURFACE EXCAVATION

### JONES DEVELOPMENT PROPERTY SUPERIOR, WISCONSIN

#### I. INTRODUCTION

An excavation of surface and near-surface soils will be conducted during the 2006 season on the Jones Development Property in preparation for the property's redevelopment with a FedEx ground-shipping terminal. Parties principally involved in this portion of the project are as follows:

Jones Development Company, developer  
4600 Madison, Suite 725  
Kansas City, Missouri 64112

contacts: Kevin Jones, present  
Jim Markey, project manager

phone: 816-756-5700  
fax: 816-756-5701

Reuben Johnson & Son, Inc., general contractor  
5300 Stinson Avenue  
Superior, Wisconsin 54880

contact: Paul Sens, project manager

phone: 715-394-7771  
fax: 715-395-6953

Twin Ports Testing, Inc., environmental consultant  
1301 N. 3<sup>rd</sup> Street  
Superior, Wisconsin 54880

contact: Jon Hinkel, project manager

phone: 715-392-7114  
fax: 715-392-7163

The soil unit to be excavated is characterized as a non-native red-brown clay present throughout the property's extent, extending laterally to a depth of 2 to 2½ feet. One rectangular area located on the property's west-central portion will be excavated below the red-brown clay into the native soil to a depth of 4 to 5 feet. Some areas of the red-brown clay unit have been identified as contaminated with low levels of petroleum and lead, rendering the classification of such soils as solid waste upon excavation. Those contaminated soils of high clay content have been approved for disposal at the city of Superior's Moccasin Mike Landfill. Those soils that are not classified as solid waste are unregulated and have been approved for disposal as common fill material at the Reuben Johnson & Son's quarry located south of Superior. Those soils indicated as being



contaminated but lacking adequate clay content will be integrated on the Jones Development property as landscaping material.

The total volume of soil to be excavated is estimated at 15,000 cubic yards. Based on the various soils analyses completed to date, the following distribution by volume is projected:

• contaminated soil of high clay content to be disposed of at the Moccasin Mike Landfill	7000 cu. yds.
• uncontaminated soil to be disposed of at the Reuben Johnson quarry	6370 cu. yds.
• contaminated soil to be incorporated on site as landscaping material	1630 cu. yds.
Total:	<hr/> 15,000 cu. yds.

The excavation pattern is based upon grid-sampling and laboratory determinations of soils' characteristics (Figure 1: Excavation Pattern). The actual excavation will be limited to the boundaries of the footprint of the planned development (Figure 2: Development Plan).

The soil will be excavated in two stages with the first stage scheduled to commence on Tuesday, June 6<sup>th</sup>, 2006; the second stage of excavation will commence during the fall of 2006 (exact date undetermined). Each excavation stage is expected to require one week to complete. The entire 7000 cubic yards destined for the Moccasin Mike Landfill will be excavated and delivered during the first stage of the excavation.

## II. FIELD ACTIVITIES

Reuben Johnson & Son will perform the excavation and trucking services during both stages of the excavation. Twin Ports Testing will supply a geologist / qualified soils technician to oversee the field operations (see attached resumes). Oversight of the field operations will involve the following tasks:

- keep a log of the field operations;
- keep a photographic record of the operation;
- monitor all soils being excavated for visual appearances including apparent clay / large aggregate content
- monitor all soils being excavated for petroleum contamination through field screening of selected samples. Field screening will be conducted using a portable photoionization detector;
- inform and redirect excavators / truckers if exposed or excavated soils appear unsuitable for their planned destinations;

- collect three representative soil samples for soils destined for landfill disposal (one for every 3000 yards excavated). These samples will be analyzed for Atterberg limits;
- collect one soil sample for every 2000 yards of soil excavated regardless of destination. These samples will be analyzed for petroleum volatile organic compounds, polycyclic aromatic hydrocarbons and lead.
- keep a running estimation of volumes excavated based on truck loads leaving the site.

Excavated soils will be directed to the Moccasin Mike Landfill, to the Reuben Johnson & Son's quarry, or will be stockpiled on the Jones Development property for later landscaping use (Figure 3: Landfill and Quarry Locations).

### III. CONCLUSION

At the conclusion of the first stage of the excavation, Twin Ports Testing will compile a short interim report summarizing the field procedures and providing the laboratory results for all parties concerned. The interim report will be integrated into the landfill's Final Cover Construction Documentation Report, to be completed by Ayres Associates for the city of Superior. At the conclusion of the second stage of the excavation, a comprehensive report will be completed and likewise distributed.

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Questions or comments regarding the content of this Soil Management Work Plan may be directed to Jon Hinkel at Twin Ports Testing at 715-392-7114.

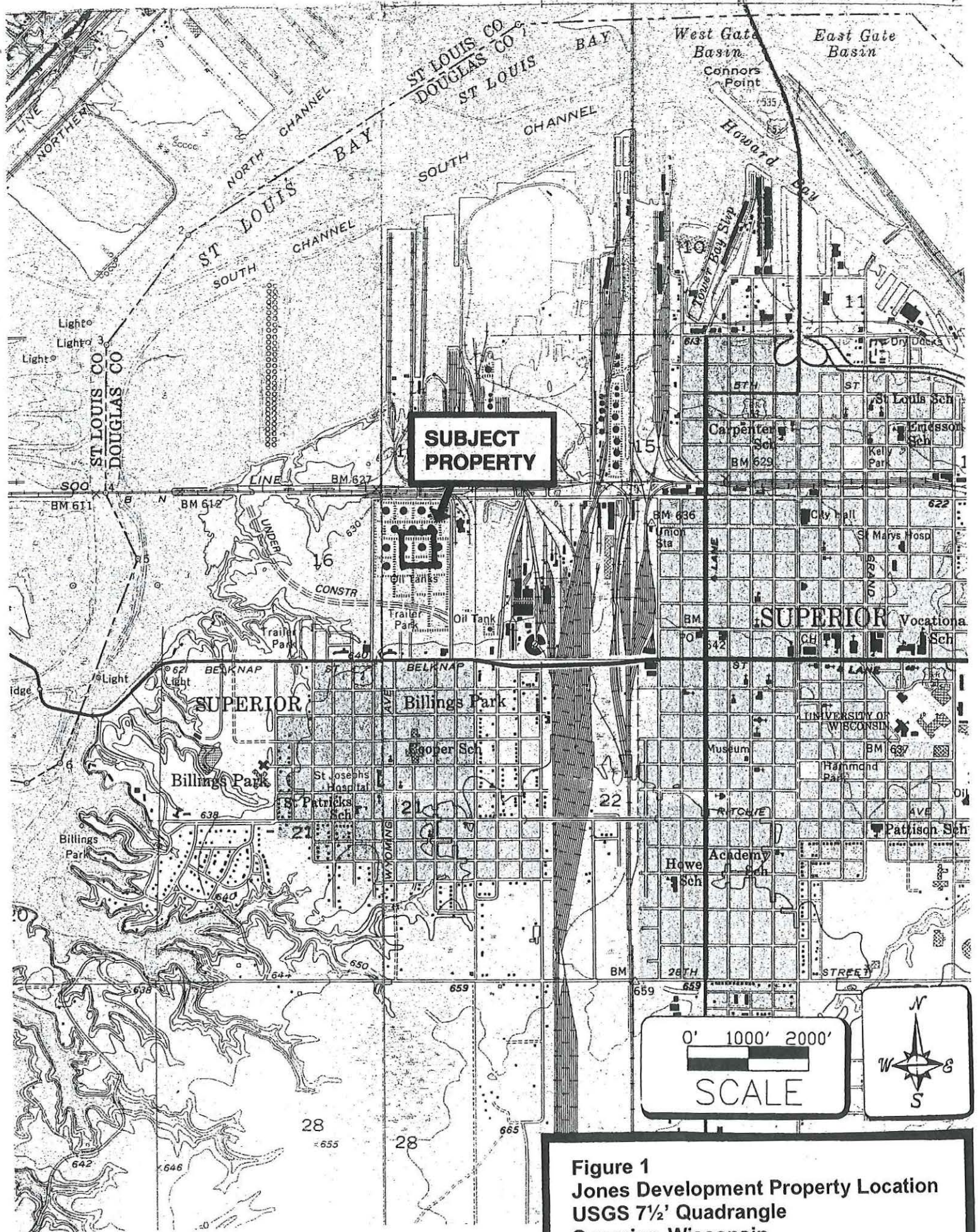
This Work Plan was completed June 2<sup>nd</sup>, 2006.  
Twin Ports Testing, Inc.



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Jon Hinkel, P.G.  
Project Management Leader  
TPT Environmental Department

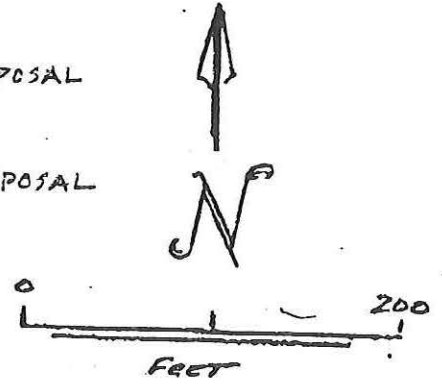




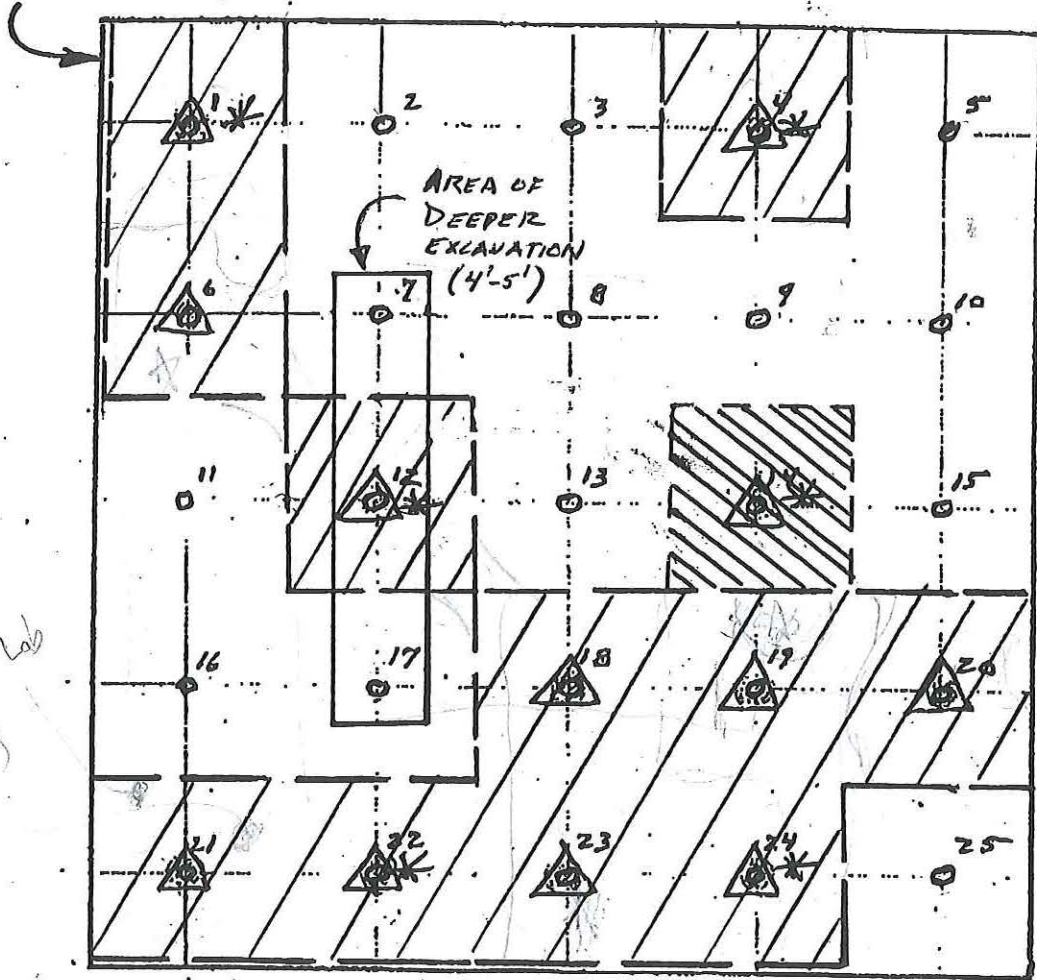
**Figure 1**  
**Jones Development Property Location**  
**USGS 7½' Quadrangle**  
**Superior, Wisconsin**



-  - SOILS FOR QUARRY DISPOSAL
-  - SOILS FOR LANDFILL DISPOSAL
-  - SOILS FOR ON-SITE DISPOSAL



SUBJECT PROPERTY  
BOUNDARY



Lab  
Attaching

— HALVER LANE —

- soil sampling location ("clean" soil indication)
- ⊠ indication of RCL exceedance at the sampling point
- \* Indicates where sample was physical analysis

**Figure 2**  
Excavation Pattern  
Jones Development Property  
Superior, Wisconsin

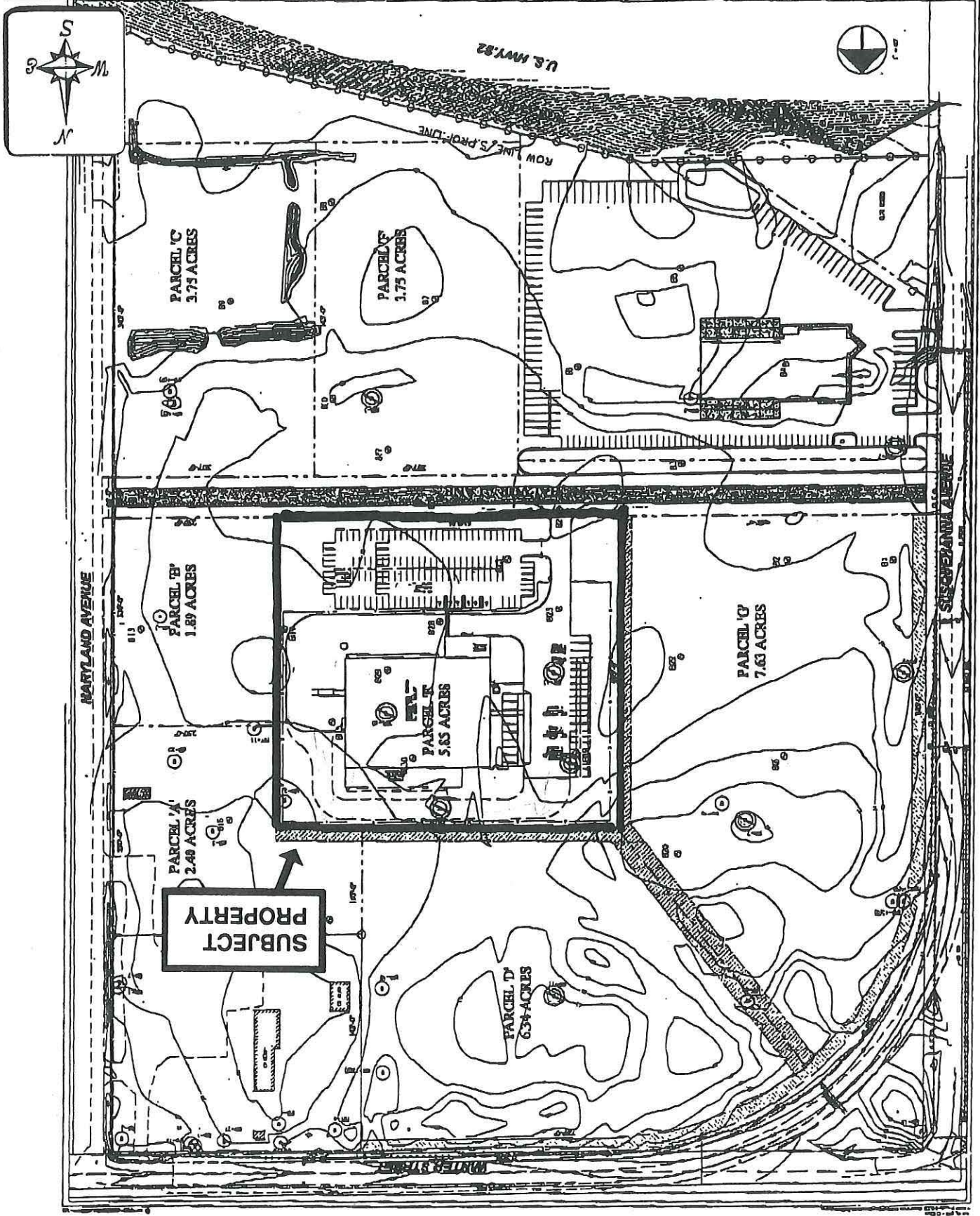


**Figure 3**  
**Development Plan**  
**Jones Development Property**  
**Superior, Wisconsin**

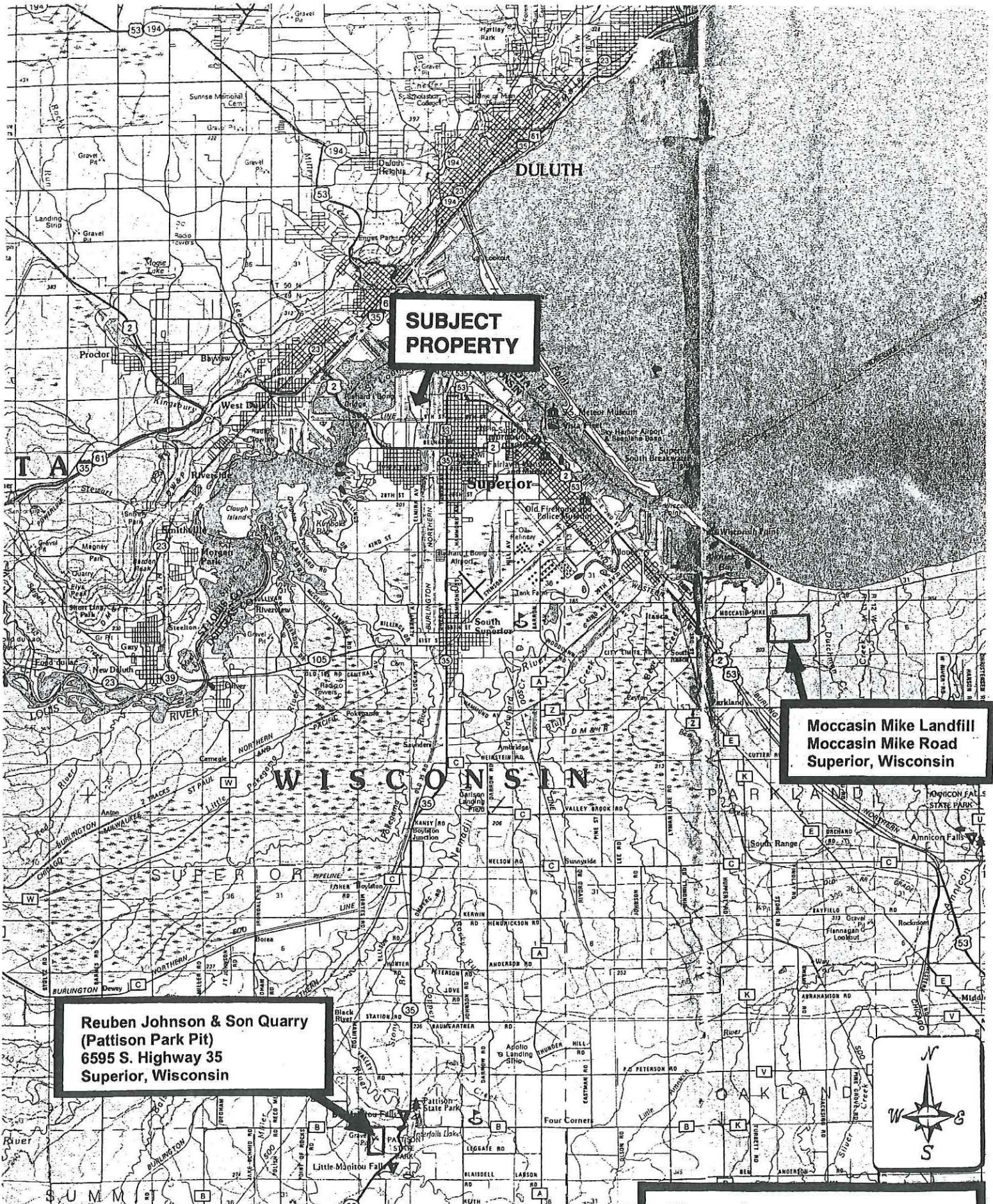
**FEDEX SITE**  
**OPTION "E"**

DATE	BY	REVISION	DESCRIPTION

**C101**







**SUBJECT  
PROPERTY**

**Moccasin Mike Landfill  
Moccasin Mike Road  
Superior, Wisconsin**

**Reuben Johnson & Son Quarry  
(Pattison Park Pit)  
6595 S. Highway 35  
Superior, Wisconsin**

**Figure 4  
Landfill and Quarry Locations  
Superior, Wisconsin**



## RESUME OF TWIN PORTS TESTING, INC. PERSONNEL

**JON HINKEL, P.G.**

Project Management Leader

### **EDUCATION**

1989: Ohio University, Athens, OH - M.S. Environmental Studies

1986: University of Minnesota, Duluth, MN - B.S. Geology

### **PROFESSIONAL AFFILIATIONS, CERTIFICATIONS & TRAINING**

Registered Professional Geologist: Minnesota and Wisconsin

Member: Geological Society of America, American Institute of Professional Geologists, Minnesota Groundwater Association

Designer Certification: Storm Water Pollution Prevention Plans: Minnesota

Registered Monitoring Well Contractor: Minnesota Dept. of Health

OSHA 40 hour Hazardous Materials Training

Wisconsin Dept. of Commerce Registered Consultant and Site Assessor

### **WORK EXPERIENCE**

1991-Present: Twin Ports Testing, Inc., Duluth, Minnesota and Superior, Wisconsin  
Responsibilities: Project Management Leader: manage and conduct Phase I and Phase II Environmental Property Assessments, Environmental Assessments and NEPA studies; design and conduct remedial investigations and corrective action projects involving petroleum, heavy metal and pesticide contamination.

2000-2001: University of Wisconsin Superior, Superior, Wisconsin  
Responsibilities: Instructor, part-time: teach Environmental Geology, Earth Science and associated lab courses.

1990-1991: West Virginia University/Parkersburg, Parkersburg, West Virginia  
Responsibilities: Instructor, full time: teach Physical Geology, Historical Geology, Physical Science I (Introduction to Physical Geology, Meteorology, and Astronomy), Physical Science II (Introduction to Chemistry and Physics), associated lab courses, and Arithmetic; serve as a student advisor.



RESUME OF TWIN PORTS TESTING, INC. PERSONNEL

**JUSTIN J. MORRELL, C.E.T.**  
Civil Engineering Technician

**EDUCATION**

1995-1998 Graduate - Grand Forks Community High School

**PROFESSIONAL CERTIFICATIONS & TRAINING**

Nuclear Density Gauge - operation and safety  
A.C.I Concrete Field I  
MNDOT Concrete Field I  
MNDOT Concrete Plant I  
MNDOT Aggregate Production  
MNDOT Bituminous Plant I  
Radiographers Assistant training through TPT

**WORK EXPERIENCE**

2004 - Present: Twin Ports Testing, Inc. Superior, WI. Civil Engineering Technician. Responsibilities include: Quality control (field and laboratory) inspector of concrete, soil and aggregate, including the following tests: gradations, Proctors, Atterberg limits, hydrometer, nuclear density, construction inspection and documentation.

2004 - 2004 Interstate Testing Inc. Grand Forks ND. Civil Engineering Technician. Responsibilities include: Quality control (field and laboratory) inspector of concrete, soil and aggregate, including the following tests: gradations, Proctors, Atterberg limits, hydrometer, nuclear density, construction inspection and documentation

**TYPICAL PROJECTS**

2004: Army Corp of Engineers - Field Inspector of soils, earthwork, concrete, water diversion system for earth and structural dike project for the cities of Grand Forks and East Grand Forks, ND.

2004: Army Corp of Engineers – Field inspector of Concrete related to foundations, floors, sidewalks. Quality Assurance for compaction of soils. Grand Forks, ND Air Base expansion project.

2005: City of Duluth - Field inspector for Arrowhead road up-grade project. Testing of construction materials for project

2004-05: Minnesota Power - Field inspection of concrete footings for Arrowhead-Weston Transmission Line