



## MEMORANDUM

42.40

TO: Jason Serck  
FROM: Matt Bolf  
DATE: January 17, 2012  
RE: Winter Street - Abandoned Fuel Lines  
SEH No. A-SUPER0707.00 14.00

### **Background**

The purpose of this memorandum is to summarize the abandoned fuel lines encountered during the excavation of the Winter Street project along with the associated mitigation work.

There were three locations abandoned fuel lines were found in this project. (see attached map)

- Station 112+50 (Antea Entrance). 14 fuel lines ranging from 10" to 15" were discovered some of which had product left in them.
- Station 111+25 (30' east of MH 5). One 6" fuel line was found with no product in it
- Station 105+25/106+25. One 8" pipe was found paralleling new road on south side. No product was found in it.

OSI was hired as a sub consultant to SEH to determine if there is any product left in pipe and dispose of product if necessary.

### **Mitigation Procedure**

#### **Station 112+50**

There were 14 abandoned pipes found in this location from Station 112+34 to 113+00. The pipes ranged in size from 10" to 15". The attached notes from 9/8/11 show the layout and size of the pipes in this area.

After RJS exposed all pipes, OSI tapped each pipe to determine if they contained any product. A Vactor truck was used to remove any remaining product in the pipes. This allowed the pipes to then be cutoff, bulk headed, and removed.

Between the 14 pipes in this area, there were 12,850 gallons of old product removed. All removed product was disposed of by OSI to Minnesota Petroleum Services (mn blue) in Columbian Heights, Minnesota. Please see the attached manifests from OSI for verification of this disposal.

The pipes that were cutoff and removed were recycled at SIMKO recycling in Superior. The contaminated excavated soil in this area was stockpiled and hauled to the Superior Landfill for disposal. The excavation pit was then backfilled with clean onsite native material.

The work in this area was completed from 9/7/11 through 9/15/11.

#### **Station 111+25**

There was one 6" abandoned pipe found perpendicular to the road at Station 111+25. The attached notes from 9/15/11 indicate the layout and size of the pipe in this location.

RJS exposed this pipe during the excavation of the sanitary sewer. RJS tapped this pipe with a water corporation stop to determine if there was product in it. There was residue in this pipe that smelled of petroleum. Since the proposed sanitary sewer had vertical separation over the abandoned pipe, the decision was made to leave this pipe in place. This decision was discussed and approved by City staff during construction.

The work in this area was completed on 9/15/11 and 9/23/11.

**Station 105+35 to 106+25**

There was one 8" abandoned pipe found paralleling the new road on the south side from station 105+35 to 106+25. The attached notes from 9/7/11 show the layout and size of the pipe in this area.

RJS exposed this pipe during the excavation of the road sub grade. RJS tapped this pipe with a water corporation stop to determine if there was product in it. No product was found in this pipe.

The portion of the pipe that was located in the road sub grade was cutoff, bulk headed, and removed. The pipe was recycled at SIMKO recycling in Superior.

The work in this area was completed from 9/7/11 through 9/15/11.

I've attached a project map of the area pipes were encountered, a copy of the daily field notes pertaining to the abandoned pipes, pictures of each area showing the pipes, and manifests from OSI showing the disposal records.

mh

Attachment

c: File

s:\pt\s\super\070700\admin\seh memo\_011212.docx

Cost Section



"Patrick Tracey"  
<ptracey.osie@mchsi.com>  
09/01/2011 11:43 AM

To : "Colin Reichhoff" <creichhoff@sehinc.com>  
cc  
bcc

Subject: Pipe Project

Colin, spoke with United Piping (UPI) in Duluth and accessing the pipes safely would not be a problem. They propose utilizing a Wachs Trav-L-Cutter which is a cold cut method of accessing piping. OSI would provide vacuum trucks and containment for recovery, transportation and recycling of the product, if encountered.

UPI does require 18" clearance around each pipe for employment of this equipment. In addition, they would require lifting equipment for placement of the equipment. I will assume RJS will have excavators onsite and available. This would include two technicians, truck, air compressor and cutting equipment from UPI. OSI would support this with two technicians, vacuum tanker (6,000 gallon), and support vehicle with containment and ER equipment.

UPI would require two days notification for prep and scheduling which may present problems without an upfront commitment.

I will be in all day and off tomorrow, so call to discuss if you can.

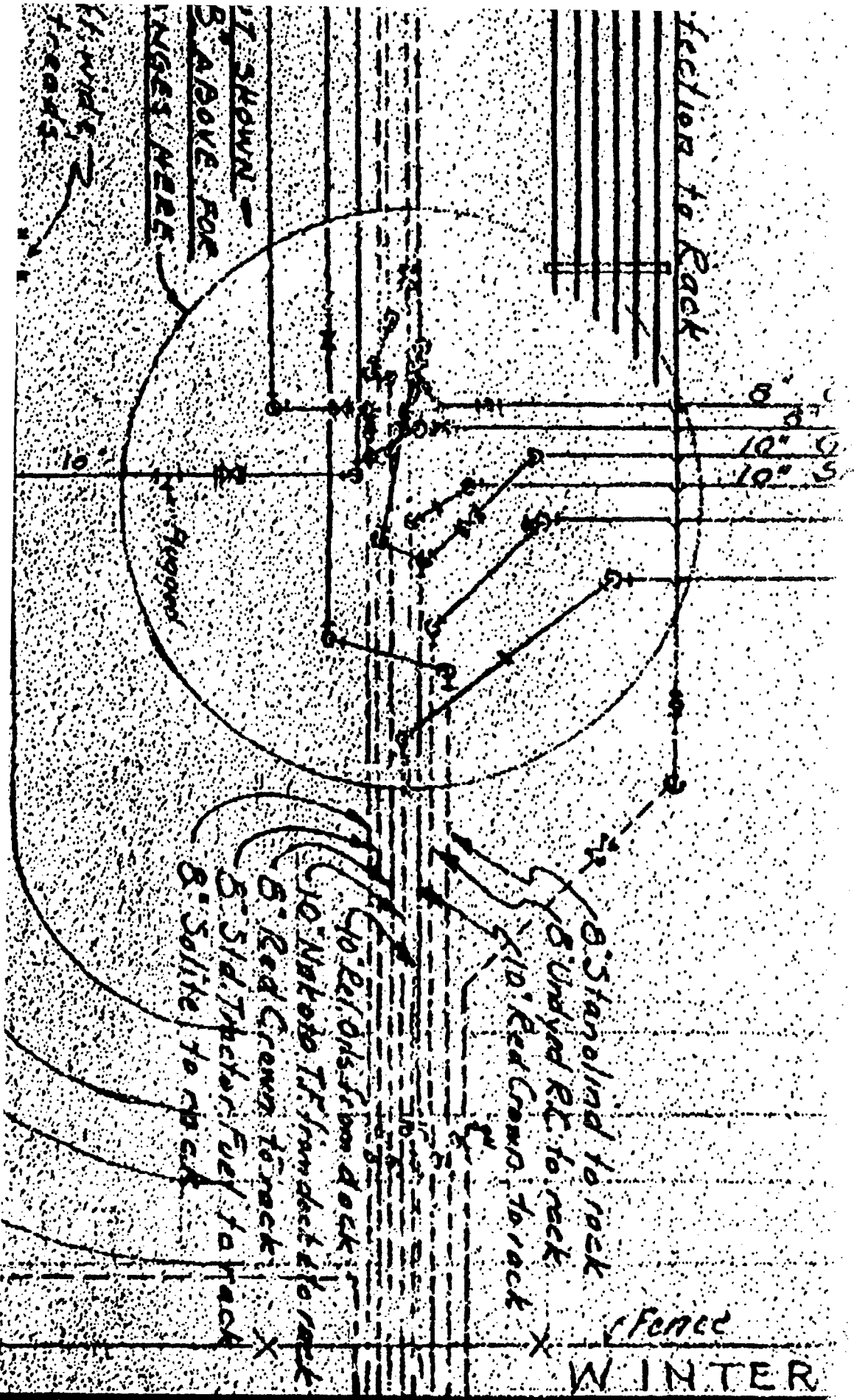
Upon review, should you have any questions or require additional information, please feel free to contact me.

Patrick Tracey  
OSI Environmental, Inc.  
p (218) 744-3064  
f (218) 744-4832  
ptracey.osie@mchsi.com



- 18" necessary?
- pump & leave or testing of product needed?

Section to Rack



7° SHOWN -  
8° ABOVE FOR  
ANGES HERE

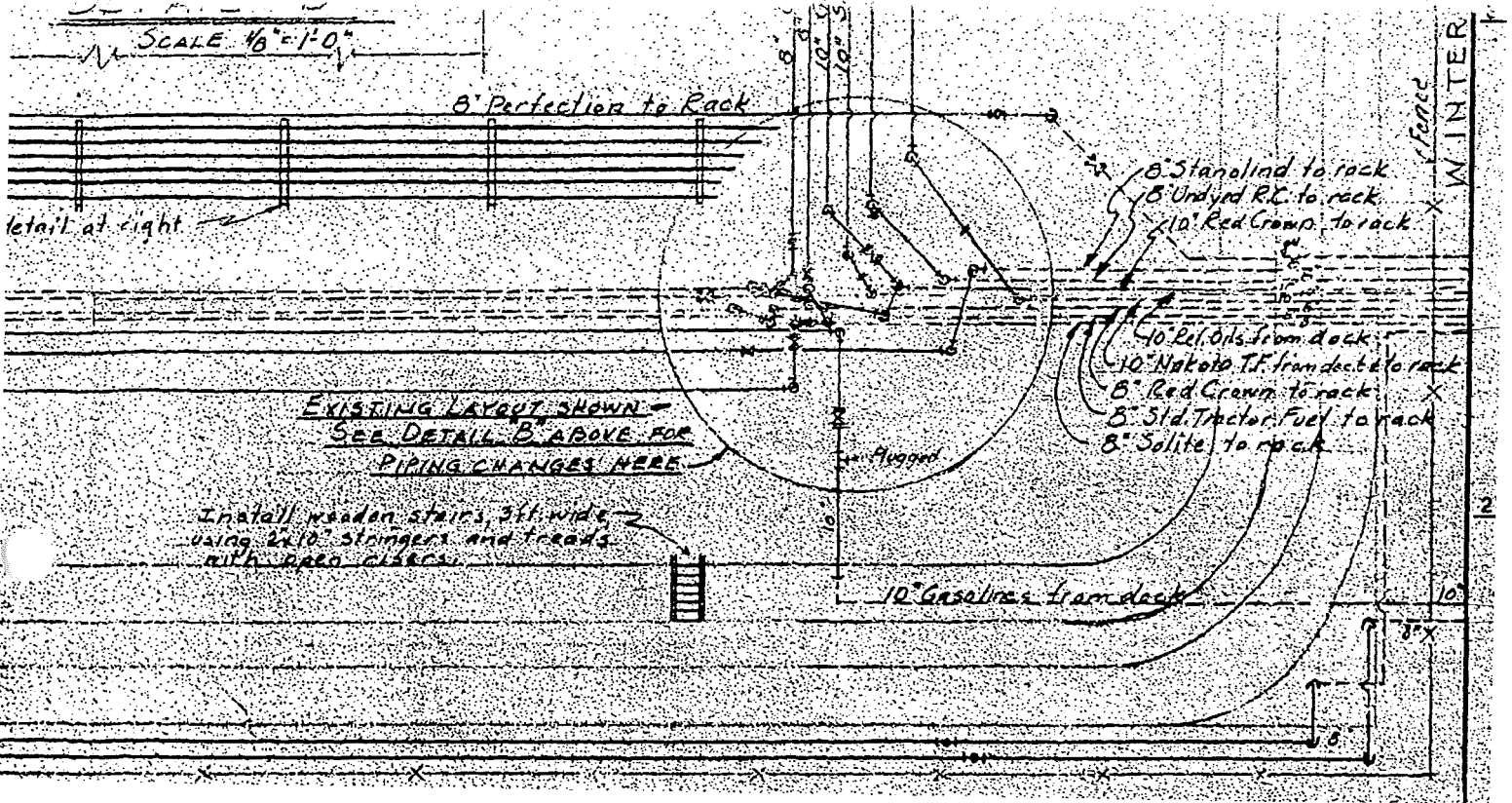
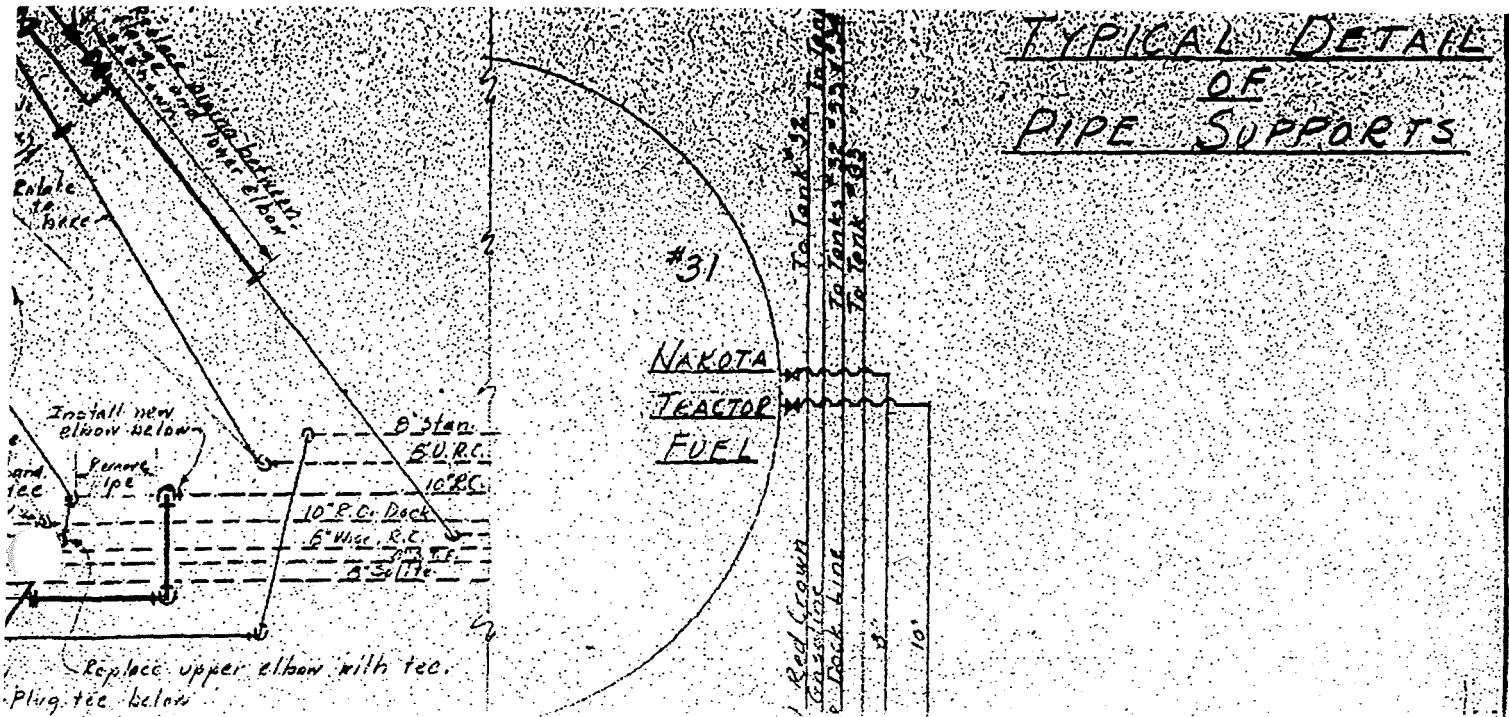
11° WIDE -  
ROADS

- 8° Stand on land to rack
- 8° Under rd. to rack
- 10° Red Crown to rack
- 40° Rd. Olds from dock
- 10° Nakobu Tr from dock to rack
- 5° Red Crown to rack
- 5° Sid. Thatch. Fuel to rack
- 8° Saline to rack

Fence  
WINTER



TYPICAL DETAIL  
OF  
PIPE SUPPORTS



**THIS SHIPPING ORDER** must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent

Shipper's No. OST Job # 18565

Carrier OST Environmental SCAC \_\_\_\_\_ Carrier's No. DOT 366793  
 RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations;  
 at \_\_\_\_\_, date \_\_\_\_\_ from \_\_\_\_\_

the Property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

**TO:** Minnesota Blue (768) 780-5199  
 Consignee  
 Street 682-39th Ave N.E.  
 Destination Columbia Heights Zip 55422

**FROM:**  
 Shipper CITY OF SUPERIOR WI  
 Street Winter St  
 Origin \_\_\_\_\_ Zip \_\_\_\_\_

Route \_\_\_\_\_  
 Delivering Carrier \_\_\_\_\_ Vehicle Number \_\_\_\_\_ U.S. DOT Hazmat Reg. Number \_\_\_\_\_

Number and Type of Packages	HM	I.D. Number	Description of Articles	Hazard Class	Pkg. Grp.	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
1-TY	X	1203	Gas/Water Solutions	3	2	850	9.41	

Remit COD to: Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

**COD AMT:** \$ \_\_\_\_\_  
**COD FEE:** Prepaid  Collect  \$ \_\_\_\_\_

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ \_\_\_\_\_ Per \_\_\_\_\_

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

**TOTAL CHARGES:** \$ \_\_\_\_\_  
**FREIGHT CHARGES:**  Prepaid  Collect

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Per \_\_\_\_\_

**PLACARDS REQUIRED**  **PLACARDS SUPPLIED**  BY SHIPPER  BY CARRIER

SHIPPER: CITY OF SUPERIOR CARRIER: OST Environmental  
 PER: CLARENCE WILSON Agent PER: Rebecca Carlson  
 DATE: 9-15-11 DATE: 9-15-11

**EMERGENCY RESPONSE TELEPHONE NUMBER:** \_\_\_\_\_  
**NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER:** \_\_\_\_\_

2

**THIS SHIPPING ORDER**

must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon retained by the Agent

Super 0707

Shipper's No. 18565

Carrier OSI Environmental SCAC

Carrier's No. DOT 36679

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations; at \_\_\_\_\_ date \_\_\_\_\_ from \_\_\_\_\_

the Property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

**TO:** Minnesota Blue  
 Consignee  
 Street 682 39th AVE N.E.  
 Destination Columbia Heights Zip \_\_\_\_\_

**FROM:** City of Superior  
 Shipper  
 Street winter street  
 Origin \_\_\_\_\_ Zip \_\_\_\_\_

Route \_\_\_\_\_

Delivering Carrier \_\_\_\_\_ Vehicle Number \_\_\_\_\_ U.S. DOT Hazmat Reg. Number \_\_\_\_\_

Number and Type of Packages	HM	I.D. Number	Description of Articles	Hazard Class	Pkg. Grp.	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
1-TT	X	1203	oil/water solutions	3	2	4500	gal	

Remit COD to:  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

**COD AMT:**  
 \$ \_\_\_\_\_

**COD FEE:**  
 Prepaid   
 Collect  \$ \_\_\_\_\_

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ \_\_\_\_\_ Per \_\_\_\_\_

(Signature of Consignor)

**TOTAL CHARGES:**  
 \$ \_\_\_\_\_

**FREIGHT CHARGES:**  
 Prepaid  Collect

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Per \_\_\_\_\_

**PLACARDS REQUIRED**

**PLACARDS SUPPLIED**

BY SHIPPER  BY CARRIER

DRIVER'S SIGNATURE: \_\_\_\_\_

SHIPPER: City of Superior  
 PER: Boice Carbon Agent DATE: 9-13-11

CARRIER: OSI  
 PER: me DATE: 9-13-11

**EMERGENCY RESPONSE TELEPHONE NUMBER:** \_\_\_\_\_

**NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER:** \_\_\_\_\_

Super 5207

**THIS SHIPPING ORDER**

must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent

SI er's No. Job # 18565

(Carrier) OSI ENVIRONMENTAL SCAC.

Carrier's No. POT 36679

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations;

at \_\_\_\_\_, date \_\_\_\_\_ from \_\_\_\_\_

the Property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address of consignee for purposes of notification only.)

TO: Minnesota Blue  
Consignee  
Street 602 39th AVE. N. E  
Destination Columbia Heights Zip \_\_\_\_\_

FROM: CITY OF SUPERIOR  
Shipper  
Street WINTER STREET  
Origin \_\_\_\_\_ Zip \_\_\_\_\_

Route: \_\_\_\_\_

Delivering Carrier \_\_\_\_\_ Trailer Initial/Number \_\_\_\_\_ U.S. DOT Hazmat Reg. Number \_\_\_\_\_

No. of packages	HM	Description of articles, special marks, and exceptions	Hazard Class	I.D. Number	Packing Group	*Weight (subject to correction)	Class or rate	Labels required (or exemption)	Check column
1	X	BAS WATER SOLUTIONS	3	1203	2	3000g/l			

Remit C.O.D. to:  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

**COD AMT:**  
\$ \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

**C. O. D. FEE:**  
Prepaid   
Collect  \$ \_\_\_\_\_

Note. - where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.  
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Charges Advanced  
\$ \_\_\_\_\_

(Signature of consignor) \_\_\_\_\_

**FREIGHT CHARGES**  
 Prepaid  Collect

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B). This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

**PLACARDS REQUIRED**

**PLACARDS SUPPLIED**

YES  NO - FURNISHED BY CARRIER  
DRIVER'S SIGNATURE: \_\_\_\_\_

SHIPPER: CITY OF SUPERIOR  
PER: Bruce Carlson agent DATE: 9-9-11

CARRIER: OSI ENVIRONMENTAL  
PER: Bruce Carlson DATE: 9-9-11

Permanent post office address of shipper \_\_\_\_\_

EMERGENCY RESPONSE TELEPHONE NUMBER: (800) 777-8542  
Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (§172.604)

**THIS MEMORANDUM** is an acknowledgement that a bill of lading has been issued and is not the Original Bill of Lading, not a copy or duplicate, covering Property named herein, and is intended solely for filing or record.

Shipper's No. 706418565

Carrier OST Environmental SCAC \_\_\_\_\_ Carrier's No. 1-OT 366 793  
RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations;  
at 300 Taylor Rd. Eveleth, MN, date \_\_\_\_\_ from \_\_\_\_\_

the Property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

**TO:** Consignee Minnesota Blue **FROM:** Shipper City of Superior  
Street 682 5th Ave NE Street Winter St  
Destination Columbia Heights Zip 55421 Origin \_\_\_\_\_ Zip \_\_\_\_\_

Route \_\_\_\_\_

Delivering Carrier \_\_\_\_\_ Vehicle Number \_\_\_\_\_ U.S. DOT Hazmat Reg. Number \_\_\_\_\_

Number and Type of Packages	HM	I.D. Number	Description of Articles	Hazard Class	Pkg. Grp.	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
1-TT	X	1203	gas winter solutions	3	2	3000	9L	

Remit COD to: Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.  
**COD AMT:** \$ \_\_\_\_\_ **COD FEE:** Prepaid  Collect

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ \_\_\_\_\_ Per \_\_\_\_\_  
**TOTAL CHARGES:** \$ \_\_\_\_\_ **FREIGHT CHARGES:**  Prepaid  Collect

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).  
This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Per \_\_\_\_\_  
**PLACARDS REQUIRED** **PLACARDS SUPPLIED**  BY SHIPPER  BY CARRIER  
DRIVER'S SIGNATURE: \_\_\_\_\_

SHIPPER: City of Superior CARRIER: OSTE  
PER: Dwight Carlson DATE: \_\_\_\_\_ PER: Mike Ludwig DATE: 9/9/11

EMERGENCY RESPONSE TELEPHONE NUMBER: (800) 777 8342 Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

**THIS MEMORANDUM** is an acknowledgement that a bill of lading has been issued and is not the Original Bill of Lading, not a copy or duplicate, covering property named herein, and is intended solely for filing or record.

Shipper's No. 18565

Carrier OSI SCAC \_\_\_\_\_ Carrier's No. 127 200 791  
RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations;

at \_\_\_\_\_, date \_\_\_\_\_ from \_\_\_\_\_  
The Property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

**TO:**  
Consignee City of Superior  
Street Winter St  
Destination Superior, WI Zip 54981  
**FROM:**  
Shipper City of Superior  
Street Winter St  
Origin \_\_\_\_\_ Zip \_\_\_\_\_

Route \_\_\_\_\_  
Delivering Carrier OSI Vehicle Number \_\_\_\_\_ U.S. DOT Hazmat Reg. Number \_\_\_\_\_

Number and Type of Packages	HM	I.D. Number	Description of Articles	Hazard Class	Pkg. Grp.	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
<u>1</u>	<u>X</u>	<u>1443</u>	<u>gasoline</u>	<u>3</u>	<u>2</u>	<u>2500</u>	<u>gal</u>	

Remit COD to: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.  
**COD AMT:** \$ \_\_\_\_\_  
**COD FEE:** Prepaid  Collect  \$ \_\_\_\_\_

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ \_\_\_\_\_ Per \_\_\_\_\_  
NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).  
**TOTAL CHARGES:** \$ \_\_\_\_\_  
**FREIGHT CHARGES:**  Prepaid  Collect

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Per \_\_\_\_\_  
**PLACARDS REQUIRED**  BY SHIPPER  BY CARRIER  
**PLACARDS SUPPLIED** \_\_\_\_\_  
DRIVER'S SIGNATURE: \_\_\_\_\_

SHIPPER: Col. Ruff / Agent CARRIER: Mike Kuehn OSI  
PER: \_\_\_\_\_ DATE: 9/8/11 PER: Mike Kuehn DATE: \_\_\_\_\_

**EMERGENCY RESPONSE TELEPHONE NUMBER:** 1 (800) 777-8542  
Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).



8/17/2011

11:31:41 AM

S:\PTV\SUPER\070700\p000\070700\_101.dgn



DRAWN BY: PMS			
DESIGNER: HAD/CK			
CHECKED BY: SSW/AM			
DESIGN TEAM	NO.	BY	DATE
			REVISIONS

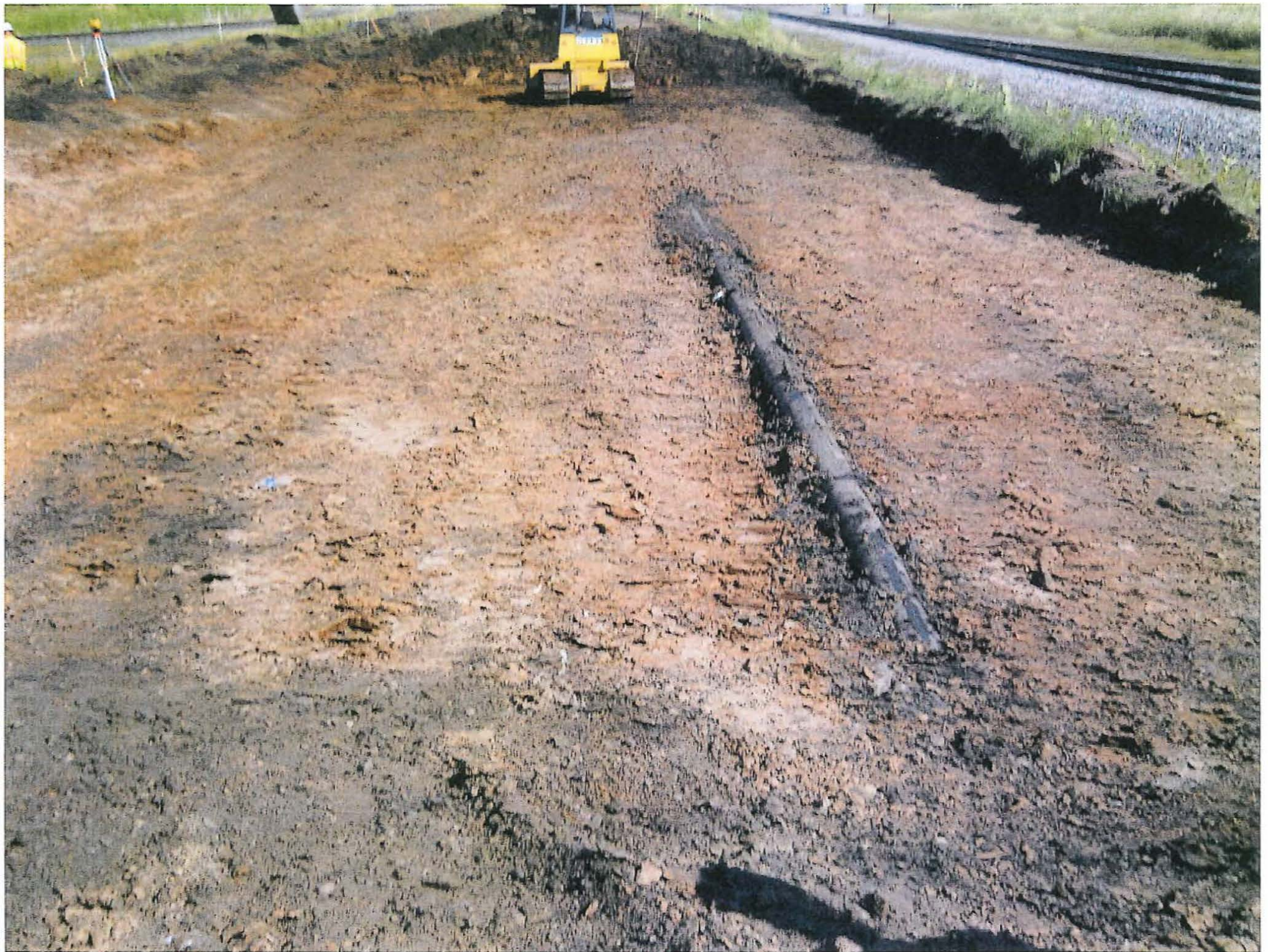
**SEH**  
 PHONE: (218) 279-3000  
 1409 HANCOCK AVENUE  
 SUITE 210  
 SUPERIOR, WI 54880-1874

**WINTER STREET INDUSTRIAL PARK  
 SUPERIOR, WISCONSIN**

**LAYOUT  
 Petro Line Locations**

FILE NO. SUPER0707	1
DATE 8/17/2011	1





Aband. Petro LINE in Rd. Subgrade 105+25 to 106+25±





Ahand. Petro Line in Rd. Subgrade 105+25 to 106+25±





Aband. Petro Line in Rd. Subgrade 105+25 to 106+25±





EXIST. WATER SERVICE & ABAND. PETRO LINE 30' EAST OF MH 5





Locate Petro Lines 112+50 (Antea Entrance)





Locate Petro Lines 112+50 (Antea Entrance)





Petro Lines 112+50 (Antea Entrance)





Petro Lines 112+50 (Antea Entrance) Residue Removal / Investigation





Petro Lines 112+50 (Antea Entrance) Residue Removal / Investigation





Petro Lines 112+50 (Antea Entrance) Residue Removal Investigation





Petra LWB3 112+50 (Antea Entrance) Residue Removal / Investigation





Petro Lines 112+50 (Antea Entrance) Pipe Removals





Petro Pipes 112+50 (Antea Entrance) Pipe Removals





Petro Lines 112+50 (Antea Entrance) Pipe Removals





Petro Lines 112+50 (Antea Entrance) Pipe Removals





Petro Lines 112+50 (Antea Entrance) Pipe Removals





Petro Lines 112+50 (Antea Entrance) Pipe Removals



TEM EXPLORATORY EXCAVATION TO LOCATE GAS CROSSINGS 112+50

225 HRS (1) OPER (2) LABOR (1) FARE 4:00/7:00

FND 14 PIPES, EXPOSE AROUND WED. A.M.  
4'-6' DEEP.

(Wed.)

917 AM H1 75 LOW 50 CLEAR

10<sup>15</sup> P.M.

CONT. W/ EXCAVATION & MOVING MATERIAL TO DISPOSAL SITE. AJAX RD. 106+00 PLACING TOPSOIL OF DITCH SLOPE  
OSI & UPI ON SITE TO INVESTIGATE PIPES & SOILS

Ed. Heytons (Antea) ALSO ON SITE

CUT HOLES IN 4 PIPE - NO PRODUCT - CONTAMINATED H<sub>2</sub>O  
VAC'D INTO TANKER

RJS EXPOSED PIPES & NO SIDE RD TO CUT OFF & BULKHEAD

FND PIPE (going E/W) STA. 105+25± IN SUBGRADE  
TAPPED HOLE / VAC H<sub>2</sub>O → 105+75 - NO H<sub>2</sub>O

WILL CUT OFF PIPES AM E. OF CULVERT X-ING 105+50

BNSF MOVING TELE. COMMUNICATIONS LINE - STARTED @

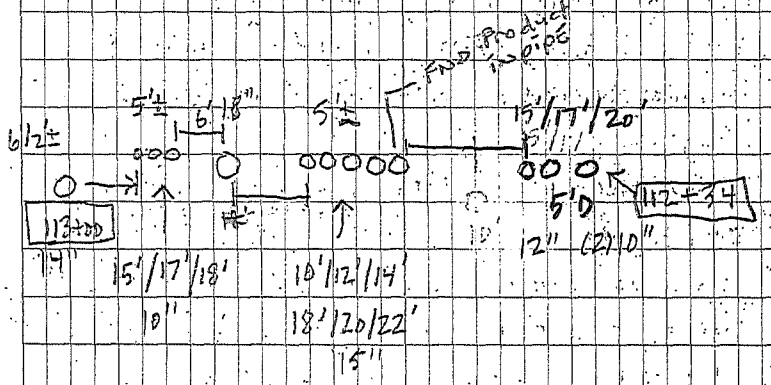
HALL'S ENTRANCE TO SOUTH OF RR.

(Thurs.) 84  
918 AM H1 75 LOW 53 CLEAR

CONT. W/ EXCAVATION & HAULING TO DISPOSAL SITE  
OSI & UPI INVESTIGATING PIPES, CUT OFF FROM WED.  
BNSF RELOCATING TELE. LINE

Fabric. Breaker From AJAX RD. TO WEST

DIA GAS PIPE IN SUBGRADE: 105+25 / 3.5' LT. E  
CUT OFF (BULKHEAD) & BEYOND REMOVING



\* Rem. CONC. CURB TO 112+00 22' X 10' W 7" D = 2454. ✓  
MATCH W/ BIT - NEEDED TO REMOVE TO CUT OFF PIPE.



Return the Rain

9/12/11

PLACED Convent 105+50: 32' of 12" RCP LINE 10. ✓  
(2) 12" RCP APRONS LINE 13. ✓

(FRI.)

9/19/11 HI 81 LOW 55 CLEAR

10 hrs.

Cont. w/ EXCAVATION & BACKFILLING Rd.

Asked RJS for a Gradation on Breaker

PIPE Bulkheads / Cutting w/ DSI & UPI @ 112+50±

very slow going - FWD product / High Readings

in pipe - worked on Reaming to cut pipe out

Steel PLATES over Convent 105+50 FOR TRUCKS HAULING

✓ Exc. to 106+00 (400') = 10% x <sup>2215</sup> 22,154 142 + 13 - 101 + 75

✓ Fabric to 106+00 (400') = 10% x 19977 = 1998 (4038')

✓ Breaker to 106+00 (400') = 10% x 4950 = 495 RR St. Portion

✓ Agg. to 106+00 (400') = 10% x 3207 = 321

✓ Topsoil to 106+00 (400') = 10% x 2041 = 204

Add (2) Ren. Culv. 139+00 LINE 3. ✓

Disposal SITE Stockpiling: 21691 x 10% = 2169 ✓

WK = \$25,987.90 Est.

TO DATE: 67,482.52 Est 7%

(Mon)

9-12-11 HI 81 LOW 55 CLEAR

RJS SUBMITTING - PAVING BREAKER  
RUN / GROUND NEAR E. SIDE OF PROJECT

NO CREW ON SITE FOR GAS PIPE  
REMOVALS

RJS CHECKING SIGHT GRADE WITH A  
LASER LEVEL

(Tues.)

9/13/11 HI 81 LOW 43 Pthly Cloudy, Windy  
10 1/2 hrs.

Excavation Crew From HALLET to 131+00±

DSI ON SITE WORKING ON PIPE X-TING

Removing Excess DIRT

EJM > Setup for JACK Boring

Antea Group - Drilling GED Probes for Monitoring  
Ground H<sub>2</sub>O

"Return the Rain"

9/15/11

(Wed.)

9/14/11 HI 53 low 31 Pky cloudy, windy

10 hrs.

Cont. w/ Excavation of Excess Dirt Piles to near 13700.

OSI cont. w/ pipe investigation - will off thurs.

EJM began Excavating for sanitary casing pipe bore pit - SET Survey verified INV. grades.

BNSF Relocating power pole

Took pics of pipe x-ing / OSI

Adjusted casing pipe / MH grades by 0.12' > verified Diff. from PLAN @ MH tie in. (+) 0.12'

EJM Bought in trench box, casing pipe, Drilling Machine 10 1/2 hrs.

(thurs.)

9/15/11 HI 52 low 30 CLEAR

10 1/2 hrs.

RJS > Begins sanitary from MH 5 to MH 6

Cont. w/ Excavation 131700 / 139700 clearing

Simko - cut off gas pipe & hauled for disposal

EJM - Boring sanitary casing pipe 10 hrs.

About 30' E. of MH 5 than will need a H2O Drop turned out to be live > repaired leak 8" DI

\* Encountered pipe while installing sani. > SWCP has an 8" dia. H2O 94' E. Mainland Ext. > actually NOT shut off > flooded hole. Trouble shutting off valve & coin collected soil samples winter storm

RJS Bulkheaded gas lines

→ FIND another just E. of 8" - Repair crew 6" 5' west hrs.

(Fri.)

9/16/11 HI 60 low 33 CLEAR

9 hrs.

RJS - Excavation of excess dirt @ cut-de-sac

EJM - Boring casing pipe for sanitary sewer

Relocated silt fence @ storage area to add space City's wk! for material

PRICE MH 5 = 7.48 LF ✓

8" to MH 6 = 30 LF ✓

EXC. (EST. 10%) x 22,154 = 22,154 ✓

DISPOSAL SITE STOCK PILING @ 2169.1 x 10% = 2169 ✓

TOPSOIL 10% x 204.1 = 204 ✓

SANI. JACK BORE (12") 1,150 x 1/2 = 75 ✓

FOR WK = 30,177.70

TO DATE = 97,600.22

Rate in the Plan



9/19/11

(Mon.)

9/19/11 HI 71 Low 48 CLEAR

10 1/2

Excavation Crew @ Cul-de-Sac

Pipe grew dug out material & GAS PIPES  $\frac{1}{2}$   
Piled on plastic until disposal addressed

EJM Cont. Boring SANITARY

0.312 in. (18" steel casing thickness)  
(5/16")

UN LOCATED Power in cul-de-sac (DOES NOT  
APPEAR LIVE) RJS called BNSF & SWLP to  
have some ONE take a look

PLACED MH 4 = 8.90 LF ✓

BEGAN 8" PVC to MH 5: 100' ±

(Tues.)

9/20/11 HI 60 Low 47 Overcast, Rain showers,  
6 hrs.

Excavation Cul-de-Sac, Stockpiling  
Sanitary Crew worked on Exposing MH & Connect  
to Exist.

EJM Boring casing pipe / welding 10 hrs.

M/T = 21,659.00

PIPE Fusing 12" PE winter.

san. casing - 12" x 150 x 1/2 = 75 ✓ + Extend. 10' ND ✓  
Add For Conn. Struct. 139+00. (Missed Qty Prod.) = 1.0 EA.

(Wed.)

9/20/11 HI 52 Low 37. Overcast, Shurs.

RJS > called off crews due to weather

EJM > cont. w/ casing pipe, came in  
a little high to MH in last 20' ± (About 1 1/2")  
Will try to re-bore last 20'

(Thurs.)

9/22/11 HI 54 Low 36 City

10 hrs.

Excavation From Cul-de-Sac to E.

Pipe Grew on Sanitary From MH 4 to MH 5.

EJM Started Set up for watermain Box

Core Drill Exist. & Connect Sanitary MH

Conn. Ex. SAN = 1.0 ✓ Boots

8" PVC = 350' ✓

Exc. Cul-de-Sac to 137+00 = 10% x 22,154 = 2215 ✓

Fabric Cul-de-Sac to 137+00 = 10% x 19,977 = 1998 ✓

Breaker Cul-de-Sac to 137+00 = 10% x 4,950 = 495 ✓

Agg. Cul-de-Sac to 137+00 = 10% x 3207 = 321 ✓

Disposal Site Stockpiling: 2169 x 10% = 216.9 ✓  
topsoil Cul-de-Sac to 137+00: 2041 x 10% = 204.1 ✓ in the rain

9/23/11

(Fri.)	9/23/11	H1 55 low 39	W/T = 38, 277.90	Cldy	
					10 hrs.
Subgrade Prep., Fabric, Breaker starting					
in Cul-de-Sac to 137+00.					
* Exposed Pipe E. of MH 5 & tapped to determine what it is. (5' W. OF 6" H <sub>2</sub> O) FND. to be petroleum left in place (below SAN.) See 9/28 Note					
Placed Rock to make tracking PAD @ EJM					
Bore CREW	(1) PAD				✓
EJM CONT. w/ setup for water bore					
					8 hrs.
Set MH 1 @ casing pipe connection = 12.36 LF ✓					
8" PVC: MH 1 to EXIST. = 177 LF ✓					
Pipe Fixing Watermain					
EToday, 10,183.60 WK = 70,120.50					
10 Est. to DATE = 167,720.72					
looked @ Extending Stockpile to E. 150±					
SEH to check on Wetland info					

(Mon.)	9/26/11	H1 68 low 45		CLEAR, Windy	
					10 1/2 hrs.
PIPE Fixing Watermain					
EJM Boring Watermain, Welding PIPE					
Pipe CREW on Sanitary From MH 1 to MH 7 (150±)					
Placing Breaker / Figs. to 137+00					
Staking MH's @ RC grade Cul-de-Sac & Rock Flashes					
(Tue.)					
	9/27/11	H1 68 low 47		Cldy	
Pipe Fixing watermain					
					10 1/2 hrs.
EJM Boring Watermain					
Cont. w/ Sanitary From MH 1 to MH 7					
Exposed Exist. Water @ Winter St. For tap @					
Conn. Exist. * CAD weld-tracing wire @ End to casing					
Hauling Breaker, Arg. for Road 137+00. to End					
BASF trenching for Telc. Communications relocate					
8" x 6" WYE = 1.0 EA, ✓					
Placed SAN. SERVICE @ 127+00: 6" PVC = 28.0' ✓					
10± Deep ELEV. = +0.35 From B"					
Duct at 10' on SAN. casing > Adj. to PLAN ✓					
WATER CASING: 115' + 5' = 120' 18" Feed ✓					
Started Setup for SAN. bore Under Hallett RAIL					
118+00					
"lit in the Rain"					

(Wed.)

9/28/11

H1: 72

M-W = 47, 54, 30

Low: 50

Cloudy

10 hrs.

PIPE Fusing Watermain (2) ELEC. FUSIONS & BENDS FOR

EOM Boiling Sand. X-ing & STA. 118+00 CONNECT.

PIPE CREW CON 4. TO MH 7, SET MH & CON 4. 8" TO MH 8

PLACE MH 7 = 10.53 LF ✓

8" MH 7 / MH 8 = 316 LF ✓

8" stub to North @ 0.5% = 28 LF ✓

12" PE H2O Conn. Ex. to Tee = 168 LF ✓

128+78

\* Meas. Covered Dirt Pile & Pipe X-ing (contaminated)

72' L x 22' W x 10' H = (1/2 w/one shape) = 293 cu yds.

Worked on Rip and Chute @ End Cul-de-Sac

\* Decision is to go over ~~sanitary~~ petroleum.

Line w/san. & leave pipe in place > Sec. 915.

§ 9123 NOTES

(Thurs.)

9/29/11

H1: 60 Low: 42

Cloudy, Rain

Fusing PIPE

\* Shut Down H2O to Loop Service EAST OF MH 5

Fused 6" PE For Drop

5 hrs

EOM CON 4 w/san. Bore 118+00

PIPE CREW. Set MH 8 and CON 4 to W.

4 hrs.

CREWS quit Due to RAIN

PLACE MH 8 = 9.65 LF ✓

8" PVC = 112 LF ✓

FOR EST. # 2

PLACE MH 9 = 6.83 LF ✓

8" PVC = 292 LF ✓

8x6 WYE 131 = 85 = 1.0 EA. ✓

6" PVC = 37' ✓

12" CASING PIPE (SAN.) 118+00 = 100 LF ✓

Mobilization = +0.25 ✓

Traffic Control = +0.25 ✓

Rock Rip Ramp (End Cul-de-Sac) = 33 cu yds. ✓

EST. # 2 City's

T/F = \$41,218.42

+ train ~~train~~

WK = \$ 88,758.72 + 6799.30

FRI, 11

After in the Rain

8/20/11



# Statement

OSI Environmental Inc.

**PAST DUE**

Date 1/5/2012  
Acct. No. 3897  
Amount Due \$36,567.25

REFER TO INVOICE FOR 'REMIT TO' ADDRESS

**Bill To**

Colin Riechhoff  
SEH - D/B  
418 West Superior Street  
Suite 200  
Duluth MN 55802

10/30/2011	Balance Forward					0.00
10/31/2011	Invoice #605577	9/7/2011	16326	34,977.25		34,977.25
12/20/2011	Invoice #605728	12/16/2011	18828A	1,590.00		36,567.25
	1,590.00		0.00	34,977.25	0.00	0.00
						\$36,567.25

- Local Branch Contacts:
- Bemidji - Becky (218) 751-2026
  - Eveleth - Becky (218) 744-3064
  - Kaukauna - Bill (920) 759-0252
  - Merrillville - Jean (219) 942-4886
  - Milwaukee - Jean (262) 790-9300
  - Rogers - Roxanne (763) 428-8775



**OSI Environmental Inc.**

BR60 - Eveleth, MN  
 300 Fayal Road  
 Eveleth MN 55734  
 (218)744-3064

**Bill To**

Matt Bolf  
 SEH - D/B  
 831 East 2nd Street  
 Duluth MN 55805

**Date** 10/31/2011  
**Acct. No.** 3897  
**Ship To**  
 Matt Bolf  
 SEH  
 Winter Street  
 Superior WI



**Invoice**

Page 1 of 4  
**Invoice #** 605577  
**Terms** NET 30 DAYS  
**Due Date** 11/30/2011  
**PO #** Colin Reichhoff  
**Service Document #** 16326  
**Memo**  
**Job Number** 18565  
**FOB**  
**Date of Service** 9/7/2011

09/07/11				
Labor - Supervisor/Foreman	8	HR		55.00 440.00
Labor - Supervisor/Foreman - OT	4	HR		82.50 330.00
Labor - Standard Labor	8	HR		45.00 360.00
Labor - Standard Labor - OT	3.5	HR		67.50 236.25
Equipment - Service Truck	1	DAY		150.00 150.00
Equipment - Vacuum Truck	11	HR	#6034	55.00 605.00
Supplies - Sorbent Roll Pad	1	EA		120.00 120.00
Supplies - Misc	1		churny plugs	65.00 65.00
PPE - Level D - Per Person - Day	2	EA		45.00 90.00
Labor - Supervisor/Foreman	8	HR	UPI #1	60.00 480.00
Labor - Supervisor/Foreman - OT	1	HR	UPI #1	90.00 90.00
Labor - Standard Labor	8	HR	UPI #2	50.00 400.00
Labor - Standard Labor - OT	1	HR	UPI #2	75.00 75.00
Equipment - Service Truck	1	DAY	UPI	250.00 250.00
Equipment - Air Compressor	1	DAY	UPI	200.00 200.00
09/08/11				
Labor - Supervisor/Foreman	8	HR		55.00 440.00
Labor - Supervisor/Foreman - OT	5.5	HR		82.50 453.75
Labor - Standard Labor	14.5	HR		45.00 652.50
Labor - Standard Labor - OT	5	HR		67.50 337.50
Equipment - Service Truck	1	DAY		150.00 150.00
Equipment - Vacuum Truck	11	HR	#6034	55.00 605.00
Equipment - Vacuum Truck	6.5	HR	#6084	55.00 357.50





**OSI Environmental Inc.**

BR60 - Eveleth, MN  
 300 Fayal Road  
 Eveleth MN 55734  
 (218)744-3064

Date 10/31/2011  
 Acct. No. 3897

**Invoice**

Page 2 of 4  
 Invoice # 605577

PPE - Level D - Per Person - Day	2	EA		45.00	90.00
Per Diem - Per Person - Day	2	DAY		95.00	190.00
Labor - Supervisor/Foreman	8	HR	UPI #1	60.00	480.00
Labor - Supervisor/Foreman - OT	1.5	HR	UPI #1	90.00	135.00
Labor - Standard Labor	8	HR	UPI #2	50.00	400.00
Labor - Standard Labor - OT	1.5	HR	UPI #2	75.00	112.50
Equipment - Service Truck	1	DAY	UPI	250.00	250.00
Equipment - Air Compressor	1	DAY	UPI	200.00	200.00
09/09/11					
Labor - Supervisor/Foreman	8	HR		55.00	440.00
Labor - Supervisor/Foreman - OT	3.5	HR		82.50	288.75
Labor - Standard Labor	11	HR		45.00	495.00
Labor - Standard Labor - OT	3.5	HR		67.50	236.25
Equipment - Service Truck	1	DAY		150.00	150.00
Equipment - Vacuum Truck	11	HR	#6034	55.00	605.00
Equipment - Vacuum Truck	3	HR	#6030	55.00	165.00
PPE - Level D - Per Person - Day	2	EA		45.00	90.00
Per Diem - Per Person - Day	2	DAY		95.00	190.00
Labor - Supervisor/Foreman	8	HR	UPI #1	60.00	480.00
Labor - Supervisor/Foreman - OT	1	HR	UPI #1	90.00	90.00
Labor - Standard Labor	8	HR	UPI #2	50.00	400.00
Labor - Standard Labor - OT	1	HR	UPI #2	75.00	75.00
Equipment - Service Truck	1	DAY	UPI	250.00	250.00
Equipment - Air Compressor	1	DAY	UPI	200.00	200.00
09/12/11					
Transportation	1	EA	To MN. Blue	1,000.00	1,000.00
Water - Petroleum Impacted - Gallon	4500	GAL	Manifest # MK, 2500, # BC, 2000	0.65	2,925.00



OSI Environmental Inc.

BR60 - Eveleth, MN  
 300 Fayal Road  
 Eveleth MN 55734  
 (218)744-3064

Date 10/31/2011  
 Acct. No. 3897

Invoice

Page 3 of 4  
 Invoice # 605577

		09/13/11			
Labor - Supervisor/Foreman	8	HR		55.00	440.00
Labor - Supervisor/Foreman - OT	6	HR		82.50	495.00
Labor - Standard Labor	16	HR		45.00	720.00
Labor - Standard Labor - OT	10	HR		67.50	675.00
Equipment - Service Truck	1	DAY		150.00	150.00
Equipment - Support Vehicle	1	DAY		125.00	125.00
Equipment - Vacuum Truck	12	HR	#6034	55.00	660.00
Equipment - Gasponder	1	DAY		50.00	50.00
Supplies - Misc	1		Hole Saws & Bits	85.00	85.00
PPE - Level D - Per Person - Day	3	EA		45.00	135.00
Per Diem - Per Person - Day	2	DAY		95.00	190.00
Equipment - Air Compressor	1	DAY	UPI	200.00	200.00
		09/14/11			
Labor - Supervisor/Foreman	8	HR		55.00	440.00
Labor - Supervisor/Foreman - OT	2.5	HR		82.50	206.25
Labor - Standard Labor	16	HR		45.00	720.00
Labor - Standard Labor - OT	6	HR		67.50	405.00
Equipment - Service Truck	1	DAY		150.00	150.00
Equipment - Support Vehicle	1	DAY		125.00	125.00
Equipment - Vacuum Truck	10	HR	#6034	55.00	550.00
Equipment - Transport Tanker	10	HR	#6430	55.00	550.00
Equipment - Gasponder	1	DAY		50.00	50.00
Supplies - Misc	1		Hole Saws & Bits	46.00	46.00
PPE - Level D - Per Person - Day	3	EA		45.00	135.00
Per Diem - Per Person - Day	2	DAY		95.00	190.00
Equipment - Air Compressor	1	DAY	UPI	200.00	200.00
Transportation	1	EA	To Mn. Blue	1,000.00	1,000.00
Water - Petroleum Impacted - Gallon	4500	GAL	Manifest #MW	0.65	2,925.00



OSI Environmental Inc.

BR60 - Eveleth, MN  
300 Fayal Road  
Eveleth MN 55734  
(218)744-3064

Date 10/31/2011  
Acct. No. 3897

# Invoice

Page 4 of 4  
Invoice # 605577

Item	Quantity	Unit	Description	Rate	Amount
			09/15/11		
Labor - Supervisor/Foreman	7	HR		55.00	385.00
Labor - Standard Labor	6.5	HR		45.00	292.50
Equipment - Service Truck	1	DAY		150.00	150.00
Equipment - Vacuum Truck	6	HR	#6034	55.00	330.00
Equipment - Gasponder	1	DAY		50.00	50.00
Supplies - Misc	1		Mobile Shear	1,725.00	1,725.00
Absorbent - Pads/Rags - Disposal	1	DR		100.00	100.00
Transportation	1	EA	To MN. Blue	1,000.00	1,000.00
Water - Petroleum Impacted - Gallon	3850	GAL	Manifest #BC,3000, # BC, 850	0.65	2,502.50

Services for the equipment, labor & disposal/recycling of petroleum contaminated water. Reference Winter St. Project-SUPER0707

**Total** \$34,977.25

**MAIL ALL PAYMENTS TO:  
OSI ENVIRONMENTAL, INC.  
300 FAYAL ROAD  
EVELETH, MN 55734**

**ATTENTION:  
PLEASE BE ADVISED OF NEW  
REMIT TO ADDRESS.**