

May 9, 2022

Ms. Jessica Hall  
Department of Environmental Conservation  
555 Cordova Street  
Anchorage, Alaska 99501  
(907) 269-7553  
jessica.hall@alaska.gov

**RESTORATION**  
**SCIENCE & ENGINEERING, LLC**  
911 W. 8<sup>TH</sup> AVENUE, SUITE 100  
ANCHORAGE, AK 99501  
VOICE: 907-278-1023  
FAX: 907-277-5718  
EMAIL: DNYMAN@RESTORSCI.COM

Subject: House of Harley Monitoring Well Decommissioning Report, 4334 Spenard Road, Anchorage, AK 99517 - ADEC File # 2100.38.425.  
RSE Project Number: 21-2339

Ms. Hall:

Restoration Science & Engineering, LLC (RSE), on behalf of Ourtrust LLC, is providing this Monitoring well decommissioning report, detailing removal of six groundwater monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5 and MW-6 on April 28, 2022.

On August 23, 2021, RSE submitted a report for 2021 Additional Site Assessment and Groundwater Sampling at the House of Harley 4334 Spenard Road, Anchorage AK 99517 – Alaska Department Of Environmental Conservation (ADEC) File # 2100.38.425. Revision 2. Included in the report, RSE proposed to decommission the existing wells associated with the site per ADEC Monitoring Well Guidance. In an Email correspondence on January 3, 2022, the ADEC project manager approved the decommission plan.

The site is located at the northwest corner of the intersection of Barbara Drive and Spenard Road in Anchorage and is listed under file 2100.38.425 in the ADEC contaminated sites database. A Vicinity Map is included as Figure 1 in Attachment A. The House of Harley property legal description is Tract 2A, Willard Subdivision Addition No. 2, Anchorage, Alaska, and the project area is shown on Figure 2 in Attachment A.

## **MONITORING WELL DECOMMISSIONING ACTIVITIES**

On April 28, 2022, RSE Qualified Environmental Professional (QEP) Kyle Wiseman mobilized to the site with Discovery Drilling, Inc. (Discovery) personnel and successfully decommissioned six groundwater monitoring wells. Both MW-5 and MW-6 were fully removed including the screened sections. The PVC casing of MW-1 broke approximately eight feet below grade during removal and was successfully decommissioned. MW-2, a metal micro well, could not be removed and was successfully decommissioned in place with bentonite and capped with cold patch asphalt. The top of the PVC casing on MW-4 was cracked and broken which prevented Discovery from

PVC removal by standard means. RSE and Discovery hand dug down around the well to improve PVC retention, nevertheless RSE recovered three feet PVC before the well was decommissioned in place. MW-3 was observed to have frost-jacked down approximately 18 inches below the access point. Ice and frozen soil observed around the outside of the PVC prevented Discovery from removing the PVC. MW-3 was closed in place with bentonite.

## **METHODS**

At each decommissioned monitoring well, RSE and Discovery first knocked out the bottom of the well screen using a steel rod to allow the well to be used as a tremie pipe. Discovery then used a barbed stinger to grab and pull the PVC by the inside diameter. Discovery used both a hand jack and a geoprobe to withdraw PVC. As the PVC was withdrawn, Discovery continuously added bentonite sealant to two feet below ground surface. The remaining two feet was filled with sand and pea gravel to grade. MW-2 was set in asphalt and therefore capped with cold patch asphalt. At both MW-1 and MW-4 the PVC broke below grade, eight feet and 3 feet respectively, thus the inner diameter was filled with bentonite to two feet below ground surface, where the surface was completed with pea gravel and sand. Select photographs are included in Attachment B, Field notes are included in Attachment C.

## **INVESTIGATIVE DERIVED WASTE**

Removed PVC monitoring well casing, recovered wells screens, and flush mount well covers were hauled offsite by Discovery and disposed of in the Discovery shop dumpster. Consumables, such as nitrile gloves were disposed of onsite in the House of Harley dumpster.

## **QUALITY ASSURANCE AND QUALITY CONTROL**

Monitoring well decommissioning was performed by an RSE Qualified Environmental Professional (QEP) and in accordance with ADEC 2013 Monitoring Well Guidance and 18 AAC 75.345(j).

Please contact David Nyman at (907) 278-1023 if you have any questions or comments. This report was prepared by an ADEC QEP in accordance with 18 AAC 75.



David Nyman, PE

RESTORATION SCIENCE & ENGINEERING, LLC

**ATTACHMENT A**

Figures

Figure 1 - Vicinity Map

Figure 2 –Groundwater Gradient Map – September 22, 2021

**ATTACHMENT B**

Select Site Photographs

**ATTACHMENT C**

Scanned Field Notes

**REFERENCES**

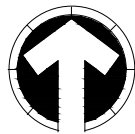
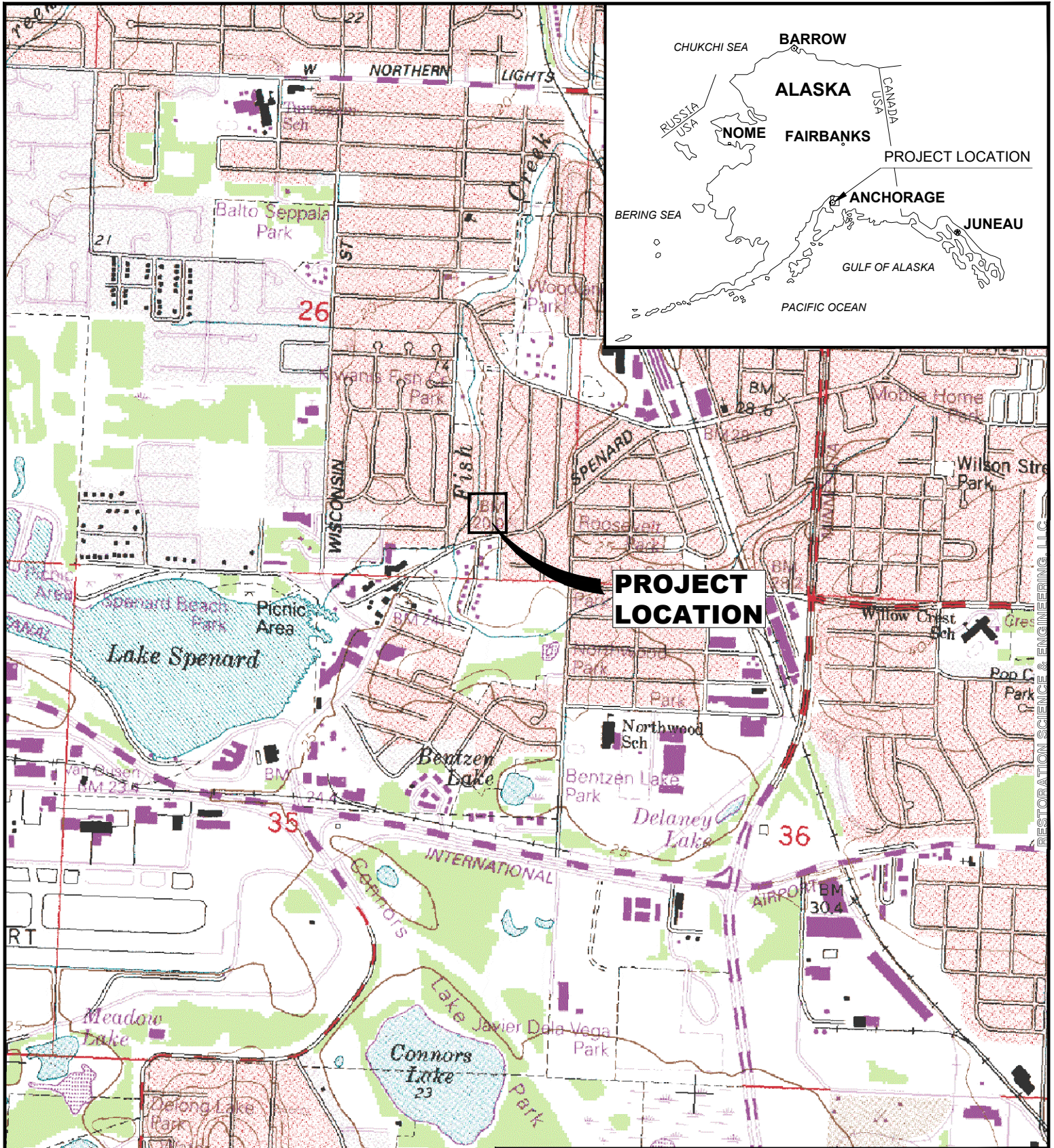
ADEC, 2013. Alaska Department Of Environmental Conservation, Division Of Spill Prevention And Response Contaminated Sites Program, Monitoring Well Guidance. September 2013.

RSE, 2021. Report for 2021 Additional Site Assessment and Groundwater Sampling at the House of Harley 4334 Spenard Road, Anchorage, AK 99517 - ADEC File # 2100.38.425, Revision 2, August 23, 2001.

# ATTACHMENT A

## Figures





N.T.S.

**HOUSE OF HARLEY  
4332 SPENARD ROAD**

VICINITY MAP

ANCHORAGE, ALASKA

JOB NO: 20.2256  
DATE: 10.10.2020

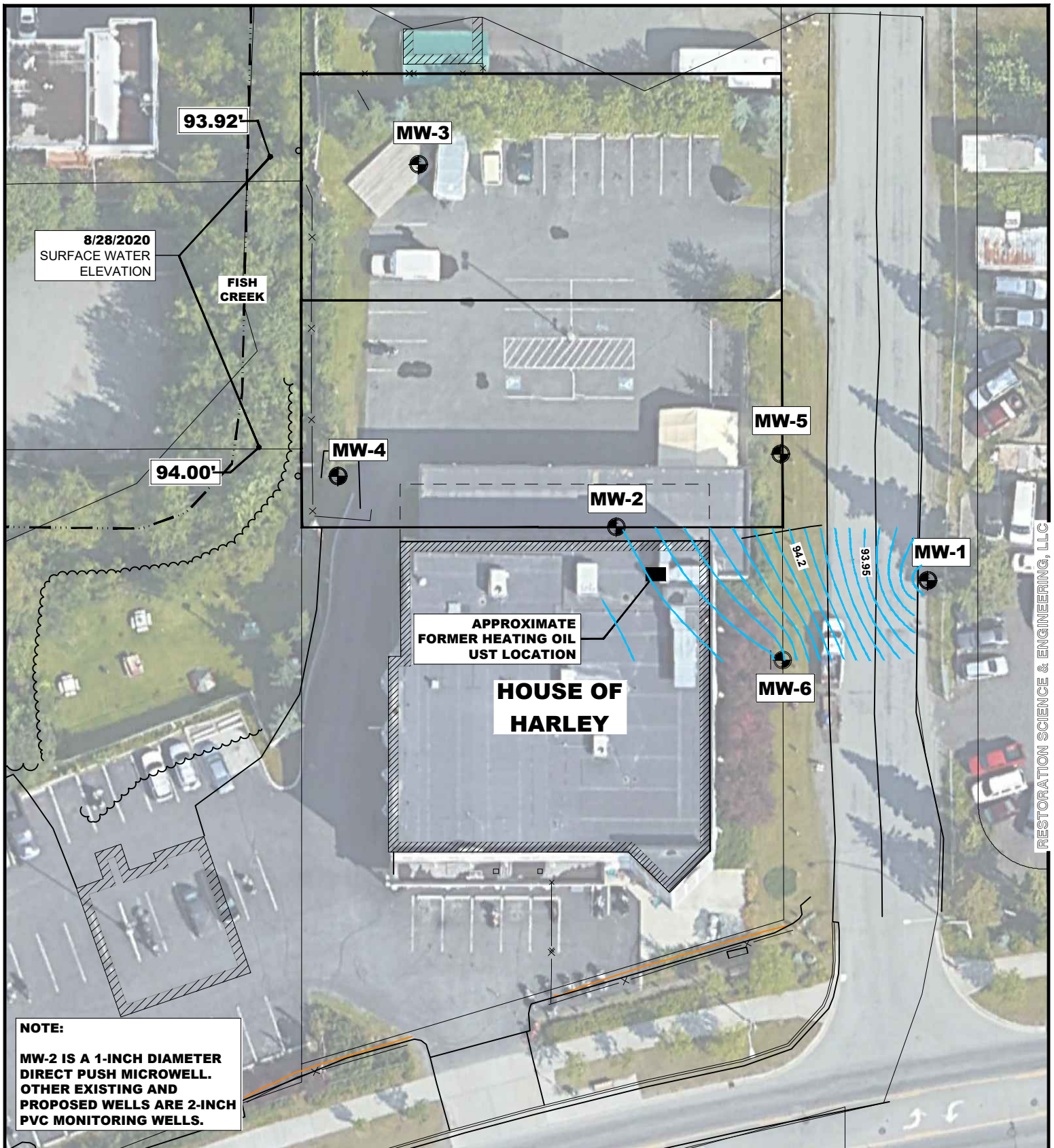
DRAWN: MSB  
CHECKED: DN

**RESTORATION**  
Science & Engineering, LLC

911 West 8th Avenue, Suite 100  
Anchorage, Alaska 99501  
PH (907) 278-1023 FAX (907) 277-5718

**FIGURE 1**

RESTORATION SCIENCE & ENGINEERING, LLC



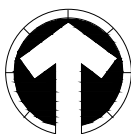
RESTORATION SCIENCE & ENGINEERING, LLC

**NOTE:**  
 MW-2 IS A 1-INCH DIAMETER  
 DIRECT PUSH MICROWELL.  
 OTHER EXISTING AND  
 PROPOSED WELLS ARE 2-INCH  
 PVC MONITORING WELLS.

**LEGEND**



GROUNDWATER MONITORING WELL LOCATION  
 GROUNDWATER CONTOUR  
 9/22/2021 MEASUREMENTS



GRAPHIC SCALE  
 1"=40'

**HOUSE OF HARLEY  
 4332 SPENARD ROAD**

SEPTEMBER 22, 2021  
 GROUNDWATER GRADIENT MAP

ANCHORAGE, ALASKA

**RESTORATION**  
 Science & Engineering, LLC  
 911 West 8th Avenue, Suite 100  
 Anchorage, Alaska 99501  
 PH (907) 278-1023 FAX (907) 277-5718

JOB NO: 21.2339  
 DATE: 10.17.2021

DRAWN: MSB  
 CHECKED: KW

**FIGURE 2**

**ATTACHMENT B**  
Select Site Photographs





MW-6, view is north



MW-1, view is south



MW-2, view is south



MW-4, view is close up



**ATTACHMENT C**  
Scanned Field Notes



4/28/22 21-2339 HOUSE OF HARLEY

42°F

0830 - ON SITE MEET MARCON + BOBO, DD TO

OVERCAST

REMOVE WELLS

0840 - AT MW-5, REMOVE FLUSH MOUNT, KNOCK OUT BOTTOM.

CREW HAS SMALL GEOPROBE S4LT #433

PULL WELL WITH SMALL SACK, FILL ID WITH BENTONITE

Pole well BACKFILL WITH BENTONITE + PEA GRAVEL.

0900 - AT MW-6, REMOVE FLUSH MOUNT, KNOCK OUT BOTTOM.

Pole well BACK FILL ID TREMI WITH BENTONITE.

0928 - WELL MW-6 REMOVED

0935 - AT MW-1, REMOVE FLUSH MOUNT WITH CONCRETE, USE RIG TO

Pole ON PVC PVC BROKEN, RECOVER 8' FILL WITH BENTONITE.

1005 - MW-1 REMOVED.

1015 - BEGIN REMOVING MW-2, TOP OF WELL METAL TACKED ON

BLOCK DURING ATTEMPTED REMOVAL, UNABLE TO GRAB PIPE, INSTEAD

OF BUSTING UP ASPHALT TO REMOVE FLUSH MOUNT CASING

AND DIGGING BY DOOR TO ATTEMPT TO PULL, ~~ET~~ FILL

WITH BENTONITE ~~AND~~ AND COLD PATCH, P+A IN PLACE.

1045 - DONE AT MW-2,

1046 - AT MW-4, PVC CRAWLED AT TOP, DIG OUT SOME, ONE

FOOT RECOVERED, NEED TOOLS TO REMOVE FURTHER, PACE +

MOVE TO MW-3 (BELOW STAGE)

1200 - DIG OUT MW-3, BELOW STAGE FIRST JACKED DOWN,

GROUND FROZEN AROUND, UNABLE TO PULL WELL WITH

BARB STINGER, PVC IS ~ 3' BELOW DECK, 18" BELOW GRADE

UNDER DECK, BACKFILL w/ BENTONITE, COVER WITH PEA GRAVEL.

1221 - DONE AT MW-3

1225 - RETURN TO MW-4, DIG OUT MORE, CUT PVC, UNABLE TO PULL,

DIG OUT DRILL THROUGH SIDE AND FROM WITH BELT

PULL w/ RIG, HEAR LOUD POP, TREMI BENTONITE, PULL UP 2'

(3' TOTAL) FILL WITH BENTONITE, REPLACE DIRT, CAP WITH

PEA GRAVEL

1300 - LOAD UP DD RIG/CLEAN UP

1320 - DEPART

KA