

December 23, 2015

Ms. Francine Gallego
NYSDEC - Region 9
270 Michigan Avenue
Buffalo, New York 14203

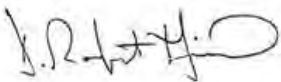
RE: **Well Decommissioning**
Former Sunoco Station
905 Elmwood Avenue
Buffalo, New York
METI Project #10-046
Sunoco DUNS# 0003-0387
Former NYSDEC Spill #0803566

Dear Ms. Gallego:

On December 21, 2015, METI removed all well material and decommissioned groundwater monitoring wells MWA and MWB associated with the above referenced Site. Refer to Figure 1 for a Site map identifying the well locations. Following removal, each borehole was filled with grout and capped with concrete. A copy of the field notes and photos are attached.

If you have any questions, please contact Matrix Environmental at 716-662-0745.

Sincerely,
Matrix Environmental Technologies Inc.

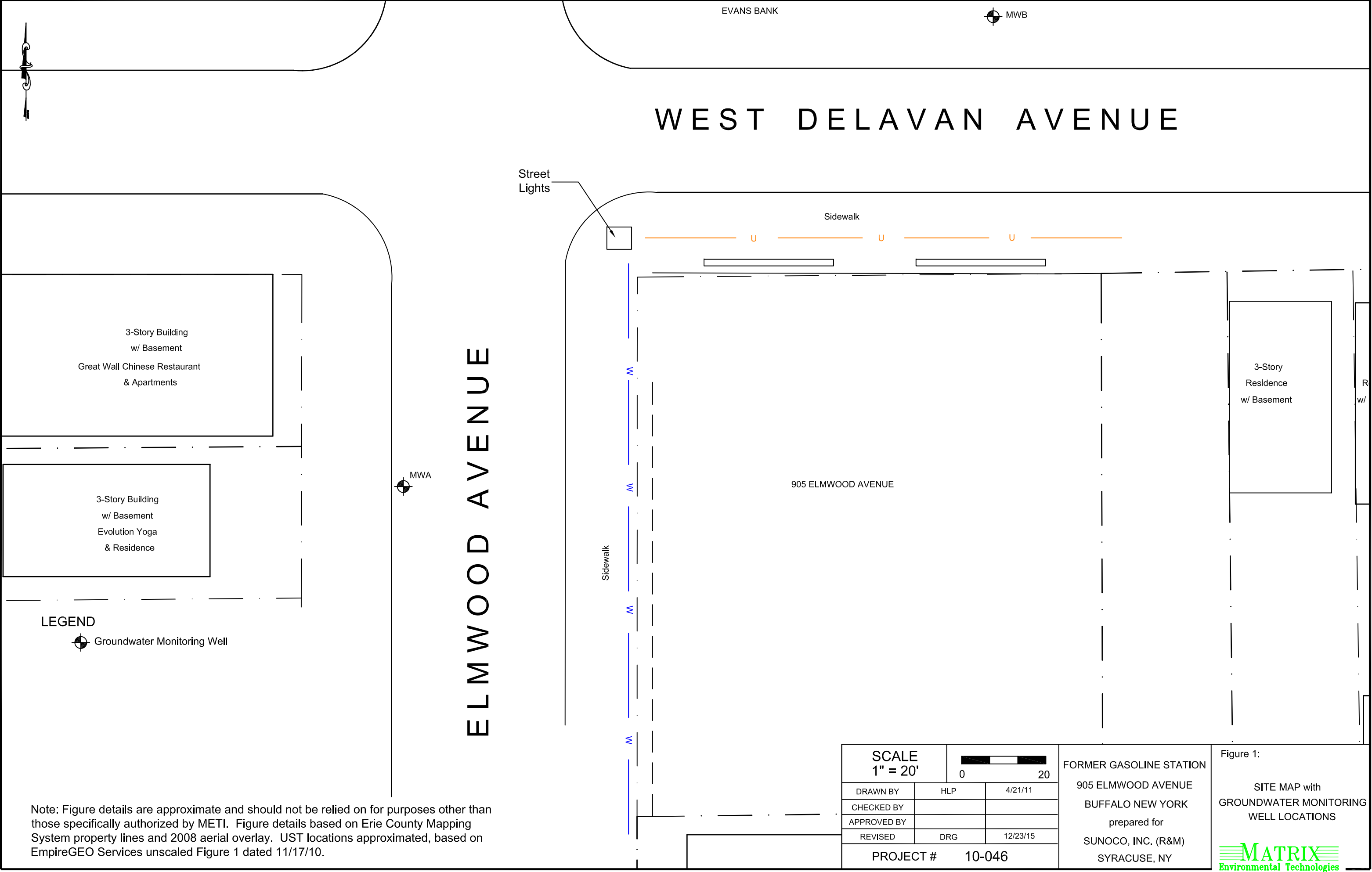


D. Robert Gill, C.P.G.
Sr. Geologist

cc: Ms. Kinyorda Sliwiak, Sunoco, Inc. (R&M)
Mr. David Locey, NYSDEC
Mr. Martin Doster, NYSDEC
Mr. Bill Paladino, Ellicott Development
Mr. Mike Lesakowski, Benchmark Environmental Engineering & Science, PLLC

Attachments: Figure 1 – Site Map with Groundwater Monitoring Well Locations
Well Decommissioning Field Notes
Site Photos

FIGURE



WELL DECOMMISSIONING FIELD NOTES

SITE NAME:

A

FIGURE 1

MONITORING WELL FIELD INSPECTION LOG
NYSDEC WELL DECOMMISSIONING PROGRAM

SITE ID.:

INSPECTOR:

DATE/TIME:

WELL ID.:

905 Elmwood
DK
12-2-15
MWB

WELL VISIBLE? (If not, provide directions below)

WELL I.D. VISIBLE? NA

WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back).....

| YES | NO |
|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

SURFACE SEAL PRESENT?

SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)

PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)

| YES | NO |
|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

HEADSPACE READING (ppm) AND INSTRUMENT USED.....

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)

PROTECTIVE CASING MATERIAL TYPE:

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

NA
NA
NA
8" curb box

LOCK PRESENT?

LOCK FUNCTIONAL?

DID YOU REPLACE THE LOCK?

IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)

WELL MEASURING POINT VISIBLE?

| YES | NO |
|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

MEASURE WELL DIAMETER (Inches):

WELL CASING MATERIAL:

PHYSICAL CONDITION OF VISIBLE WELL CASING:

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....

11.70
7.00
2"
PVC
Good
NA
NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

2 9/16 Bolts on 8" lid

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Edge of Elmwood next to curb in pavement in front of elevation yoga, concrete pad around curb box

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

Parked cars

REMARKS:

A

FIGURE 3

WELL DECOMMISSIONING RECORD

| | |
|-------------------------------------|------------------------|
| Site Name: <i>San - 905 Elmwood</i> | Well I.D.: <i>MW A</i> |
| Site Location: <i>Buffalo, NV</i> | Driller: <i>MJ+PB</i> |
| Drilling Co.: <i>Matrix</i> | Inspector: <i>DK</i> |
| | Date: <i>12-2/-15</i> |

| DECOMMISSIONING DATA (Fill in all that apply) | | WELL SCHEMATIC* | |
|--|-----------------------|--------------------------|--|
| OVERDRILLING | | Depth (feet) <i>2.70</i> | |
| Interval Drilled | | | |
| Drilling Method(s) | | | |
| Borehole Dia. (in.) | | | |
| Temporary Casing Installed? (y/n) | | | |
| Depth temporary casing installed | | | |
| Casing type/dia. (in.) | | | |
| Method of installing | | | |
| CASING PULLING | | | |
| Method employed | <i>pulled by hand</i> | | |
| Casing retrieved (feet) | <i>11.70</i> | | |
| Casing type/dia. (in.) | <i>2"</i> | | |
| CASING PERFORATING | | | |
| Equipment used | | | |
| Number of perforations/foot | | | |
| Size of perforations | | | |
| Interval perforated | | | |
| GROUTING | | | |
| Interval grouted (FBLS) | | | |
| # of batches prepared | <i>1</i> | | |
| For each batch record: | | | |
| Quantity of water used (gal.) | <i>2</i> | | |
| Quantity of cement used (lbs.) | <i>45</i> | | |
| Cement type | <i>Portland</i> | | |
| Quantity of bentonite used (lbs.) | <i>15</i> | | |
| Quantity of calcium chloride used (lbs.) | | | |
| Volume of grout prepared (gal.) | <i>6</i> | | |
| Volume of grout used (gal.) | <i>3</i> | <i>11.70</i> | |

COMMENTS: *Filled in top 6" of inside of casing w/ quickrete*

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

B

FIGURE 1

SITE NAME:

MONITORING WELL FIELD INSPECTION LOG
NYSDEC WELL DECOMMISSIONING PROGRAM

SITE ID.:

INSPECTOR:

DATE/TIME:

WELL ID.:

905 E/mw 000
pk
12-21-15
MWB

WELL VISIBLE? (If not, provide directions below)

WELL I.D. VISIBLE?

WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back).....

| YES | NO |
|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| NA | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

SURFACE SEAL PRESENT?

SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)

PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)

| YES | NO |
|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |

HEADSPACE READING (ppm) AND INSTRUMENT USED.....

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)

PROTECTIVE CASING MATERIAL TYPE:

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

NA
NA
NA
8" concrete box

LOCK PRESENT?

LOCK FUNCTIONAL?

DID YOU REPLACE THE LOCK?

IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)

WELL MEASURING POINT VISIBLE?

| YES | NO |
|-------------------------------------|-------------------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

MEASURE WELL DIAMETER (Inches):

WELL CASING MATERIAL:

PHYSICAL CONDITION OF VISIBLE WELL CASING:

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....

10.45
6.90
2"
PVC
Good
NA
NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.): ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

2 9/16 Bolts on 8" metal lid

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Located in sidewalk off the corner of Evans Bank
along Delavan, concrete around box

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

Parked cars

REMARKS:

FIGURE 3
WELL DECOMMISSIONING RECORD

| | |
|-----------------------------------|-------------------------|
| Site Name: <i>Sun-905 Elmwood</i> | Well I.D.: <i>MWB</i> |
| Site Location: <i>Buffalo, NY</i> | Driller: <i>MS + PR</i> |
| Drilling Co.: <i>Matrix</i> | Inspector: <i>DK</i> |
| | Date: <i>12-21-15</i> |

| DECOMMISSIONING DATA (Fill in all that apply) | | WELL SCHEMATIC* | |
|---|-----------------|---|--|
| OVERDRILLING | | Depth (feet) 2.45 10.45 | |
| Interval Drilled | | | |
| Drilling Method(s) | | | |
| Borehole Dia. (in.) | | | |
| Temporary Casing Installed? (y/n) | | | |
| Depth temporary casing installed | | | |
| Casing type/dia. (in.) | | | |
| Method of installing | | | |
| CASING PULLING | | | |
| Method employed <i>glued fitting onto top of well, attached</i> | <i>Hand</i> | | |
| Casing retrieved (feet) | <i>10.45</i> | | |
| Casing type/dia. (in.) <i>pipe wrenches pulled by hand</i> | <i>2"</i> | | |
| CASING PERFORATING | | | |
| Equipment used | | | |
| Number of perforations/foot | | | |
| Size of perforations | | | |
| Interval perforated | | | |
| GROUTING | | | |
| Interval grouted (FBLS) | | | |
| # of batches prepared | | | |
| For each batch record: | | | |
| Quantity of water used (gal.) | <i>2</i> | | |
| Quantity of cement used (lbs.) | <i>45</i> | | |
| Cement type | <i>Portland</i> | | |
| Quantity of bentonite used (lbs.) | <i>15</i> | | |
| Quantity of calcium chloride used (lbs.) | | | |
| Volume of grout prepared (gal.) | <i>6</i> | | |
| Volume of grout used (gal.) | <i>3</i> | | |
| COMMENTS: <i>Removed Curbox, Filled top 6" in w/ Quikrete, removed concrete + poured new concrete in foot print</i> | | * Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc. | |

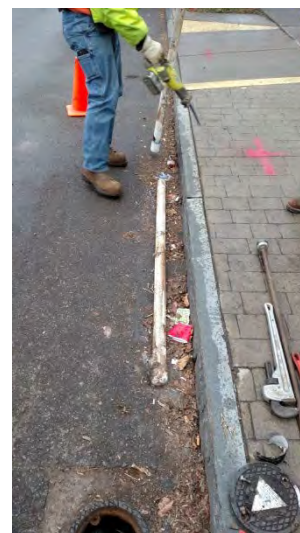
Drilling Contractor _____

Department Representative _____

SITE PHOTOS



Removing MWA
12/21/15.



MWA well materials
removed 12/21/15.



MWA decommissioned and capped with concrete 12/21/15.



MWA decommissioned 12/21/15.



Removing MWB
12/21/15.



MWB well materials removed 12/21/15.



MWB decommissioned and capped with concrete 12/21/15.

Former NYSDEC Spill #0803566
905 Elmwood Ave., Buffalo, NY