Supplemental Site Investigation Report

Appleton Wire
Former Albany International
Chrome Plant
908 North Lawe Street
Appleton, Wisconsin
WDNR ERP# 02-45-000015

Prepared for the
WISCONSIN DEPARTMENT OF NATURAL RESOURCES

June 25, 2016

Ms. Jennifer Borski, Hydrogeologist
Remediation and Redevelopment (RR) Program
Wisconsin Department of Natural Resources
625 E County Road Y, Suite 700
Oshkosh WI 54901

Subject: Supplemental Site Investigation Report
Appleton Wire Former Albany International Chrome Plant
908 North Lawe Street
Appleton, Wisconsin
WDNR ERP# 02-45-000015

Dear Ms. Borski:

On behalf of Albany International, Badger Laboratories and Engineering, Inc. (BL&E) provides a report of Supplemental Site Investigation activities conducted at the above referenced site on May 12 and 13, 2014.

1. Project Background

The Appleton Wire-Former Albany International Chrome Plant has been the site of groundwater remediation since the mid-1980s.

The Appleton Wire-Former Albany International Chrome Plant, located at 908 North Lawe, Appleton, Wisconsin, was utilized as a chrome plating facility from 1963 to 1982. Woven wire fabric, used to distribute pulp onto paper machines, was chrome plated to enhance its durability. This chroming process was conducted in a building located at the rear of the present Luvata of Appleton LLC manufacturing facility. There is only limited information on exactly where and how this process actually took place. The chrome plant building and a parking lot north of the building were sold to Valley Cast in 1984. Valley Cast became a fully owned subsidiary of Outokumpu in 1985. The facility name was changed to in 2001.

In 2006, Outokumpu was sold and the facility currently operates under the name Luvata Appleton LLC. The address of the former Valley Cast portion of the site is 908 North Lawe Street. The loading dock area near the chrome plating area was referred to as 831 North Meade Street. An office building and parking lot south of the former chrome plant were sold to Appleton Papers (now Appvion) between 1985 and 1990. The address of the Appvion office building is 714 East Hancock Street.

Historically, reporting related to the release of Chromium on the site has been referenced under the Meade Street, Hancock Street and Lawe Street addresses. As of June, 2009, the physical address (for reporting purposes) of the former chrome plant site was changed to 908 North Lawe Street. Figure #1 shows the approximate property boundaries on a site map. An aerial photograph of the site delineating current property ownership is shown in Figure #6. The former chrome plating building now serves as a warehouse for material and equipment used to support the current Luvata operations. *Documents related to the ownership of the site, including historic plat maps, survey information and property deeds are provided in this report as attachments.*

All Boring, Well Construction and Abandonment forms use a local grid origin located at the southeast corner of the warehouse. Each bring location is referenced to this origin location. The grid origin has the WTM coordinates of: X=648,084.9334 meters Y=423,031.1259 meters. Its Degree/Minute/Second Lat/Lon Coordinates are: 44^{O}16'9.3"N /88^{O}43'23" W

In 1985, Valley Cast employees noted colored groundwater collecting in the basement of the building. Subsequent tests indicated concentrations of Chromium in the collected groundwater.

The small basement area is located at the southeast corner of the building. The remainder of the building is slab-on-grade construction with a 6" to 7" concrete floor.

STS Consultants, Inc. conducted an investigation of the former chrome plant site on January 19, 1987. The purpose of the investigation was to determine the horizontal and vertical extent of the chromium contamination and to evaluate the effectiveness of the facility's basement sump to collect contaminated groundwater from the north and south sides of the building.

The results of the investigation indicated that the Chromium contamination appeared limited to areas along the northeast and southeast ends of the building and to a depth of approximately 15-feet below grade. The existing basement sump was found to be adequate for collection of groundwater along the south end of the building. The consultant proposed installation of a collection system along the north side of the building to improve groundwater collection.

In 1988, a chemical precipitation process was installed to treat the groundwater collecting in the facility basement sump. The system was operated until 1998, when it was replaced by an ion exchange treatment system.

In 1992, a groundwater collection system was installed along the north side of the building. The system consists of approximately 110 feet of perforated piping, placed 14 feet below grade. The piping empties into a manhole, located at the northeast corner of the facility. Collected groundwater is pumped from the manhole to two storage tanks, located in the basement of the facility. Groundwater flowing to the basement sump is also pumped to the storage tanks.

A total of 16 groundwater monitoring wells exist on the former chrome plant property to monitor the subsurface chromium contamination. Additionally, the groundwater collection system (French Drain) and basement sump are monitored to track the effectiveness of the treatment system.

In 2003, eleven Geoprobe™ borings and temporary monitoring wells were installed in and around the two known source areas in an attempt to better define the vertical and horizontal extent of the Chromium contamination. Periodic sampling was conducted from the temporary monitoring wells until their abandonment in April, 2008. The locations of these devices are shown on Figures # 2,3, and 4

In 2009, Albany International met with WDNR to discuss the status of site impacts delineation and site remediation progress. Subsequent to that meeting, on June 30, 2009, groundwater monitoring wells MW-19 and MW-19A were constructed in the warehouse portion of the Luvata facility, some 80-feet west of the basement. MW-19 was constructed to a depth of 20 feet below the facility floor. MW-19A was constructed to a depth of approximately 40 feet below the facility floor. Device locations are shown on Figures #1-4.

After several rounds of sampling of MW-19 and MW-19A, it became apparent that Chromium contamination of the groundwater in these wells was significant and that Chromium contamination is present to the west of the former plating area and under the current Luvata Appleton warehouse building.

2. Supplemental Site Investigation Activities

In 2014, BL&E met with Albany International to discuss potential enhancements to the groundwater collection and treatment system. Possible enhancements envisioned included the construction of a drainage trench network beneath the floor of the warehouse, and an additional sump to convey water to the treatment system. This meeting resulted in the decision to conduct an additional investigation of the soil conditions below the warehouse floor with a series of additional push probe soil samples. Two groundwater monitoring wells in the north 1/2 of the floor area, and two groundwater monitoring well to the west of the warehouse area in the Luvata manufacturing area were also planned.

As part of additional site investigation process, Albany International staff completed a comprehensive research effort to find and review any historic documentation of the building's construction. This research did not yield any documents showing the building's construction or details of its sewers, sumps, walls or foundations.

Between May 12, 2014, and May 14, 2014, nine Geoprobe™ borings were placed in the interior of the former chrome plant building and two Geoprobe™ borings were placed in the current Luvata Appleton production area to further delineate the extent of the subsurface Chromium contamination. As part of the investigation, Monitoring Well MW-20 and Piezometer MW-20A were installed in the former warehouse area. Monitoring well MW-21 and Piezometer MW-21A were installed in the Luvata production area. The Geoprobe™ and monitoring well locations are shown on Figure #1.

The May 2014, investigation indicated that significant subsurface Chromium contamination is present in the northeastern portion of the Luvata Appleton warehouse area. Several former employees were interviewed regarding these findings and it was discovered that there had been a second plating operation to the north of the main chrome plating line. Groundwater samples

collected from monitoring wells MW-20 and MW-20A, in the area of this second plating line, yield high levels of total Chromium. Groundwater sampling conducted in the Luvata production area at Monitoring wells MW-21 and MW-21A, recorded little to no total Chromium. With the data provided by the addition of the 4 monitoring wells in 2014, the extent of the Chromium contamination has been confirmed to lie under the warehouse building.

3. Investigation Actions

The additional investigation consisted of the construction of numerous soil borings identified as GP-1 through GP-13, (some equipped with temporary groundwater monitoring wells) and two groups of two additional NR-141 compliant groundwater monitoring wells. One group (MW-20 and MW-20A) are in the warehouse building. The other group of two groundwater monitoring wells (MW-21 and MW-21A) were constructed in Luvata of Appleton LLC's manufacturing facility, which is located beyond the perimeter of the warehouse building walls. The locations of these devices are shown on Figure #1 of this report. The wells shown in the Luvata of Appleton LLC's manufacturing facility are located about 20-feet west of the warehouse building. The location of these wells in the manufacturing area was dictated and limited by Luvata' s equipment and process space requirements, safety concerns while drilling, and restricted access to other areas based on material handling equipment movements and disruptions to the manufacturing process.

The new monitoring wells are similar to the existing MW-19 and MW-19A in that one of the wells in each group (MW-20 & MW-21) are shallow water table wells (approximately 20-feet deep), while the other to (designated MW-20A and MW-21A) are deeper piezometers (35-feet deep). The shallow wells were constructed with 10-foot long screens, and the two deep wells were constructed with 5-foot long screens

Soil borings #11 was installed on the west side of the basement's west wall, while soil boring #12 (shown on Figure #1) was installed on the east side of the basement's west wall. This was done to determine whether there are any significant differences in soil type (fill near the walls) or soil contamination outside of the basement area vs under it. A second boring beneath the level of the basement floor elevation, (shown as boring #13 on Figure #1) was constructed to compare soil conditions on the east side of the basement floor area with those found in borings #11 and #12

The remaining soil borings were arranged across the warehouse in an attempt to gather additional data about the potential variability of soil types, depths, and impacts from Hexavalent Chromium use in the building.

Following construction and development of the monitoring wells, the groundwater was sampled for total and Hexavalent Chromium.

4. Soil Boring and Sampling

Soil Sampling

A compact, tracked (Geoprobe™) rig was be used obtain 2-inch diameter soil samples to depths ranging from 10-feet to 20-feet below the level of the warehouse floor. This represents a depth of sampling of approximately 2-feet above to 8-feet below the level of the basement floor surface. Soil sampling was also conducted in advance of the drilling of the monitoring wells, to the total depth of the bottom of the well boreholes.

Samples were collected in clear plastic 60-inch long , 2-inch diameter plastic sample sleeves inside the sampling rods. The plastic sleeves were sliced open to examine and describe the sample retained in them. Samples were collected and placed in pre-weighed glass jars and transported on ice to the laboratory for analysis.

Table 1 in this report contains a summary of the lab results from these samples.

Figures #2, #3, and #4 provide information on the concentrations of Chrome found in the soil samples from the 0-5', 5-10' and 10-20' respectively. Figure #5 is a cross section of the building looking from South to North at the borings and wells to illustrate their relative depth in relation to the floor and the basement.

Complete laboratory analysis reports and their Chain-of Custody forms are also provide for all of the samples analyzed.

Soil samples were analyzed for Total Chromium analysis by Method SM3111B and Hexavalent Chromium analysis by Method SM3500Cr.

Soil Boring Logs (Form 4400-122) for the probes are provided in this report. When completed and no longer needed for additional sampling, the bore holes were abandoned and the concrete floor was repaired. Boring abandonment forms (Form 3300-005) documenting this activity are provided in this report.

Drill cuttings and sample cores from the push sampler are stored on site in closed- top drums awaiting disposal. Soil types are noted on Soil Boring Logs (Form 4400-122).

5. Groundwater Sampling

Following the completion of the soil sampling, monitoring well boreholes were re-drilled to the same depth as the soil boring for monitoring well construction. A 2-inch diameter, 10-foot long, PVC, well screen and an appropriate length of riser pipe was installed in the shallow wells. The 0.010" slot well screen was placed to intersect the apparent water table. The deeper wells were constructed with a 5-foot long screen extending up from approximately 5-feet above the bottom of the boring. The wells were terminated at floor level protected with a locking removable well plug beneath a

traffic rated, flush mount, access top. Details of well construction are reported on Monitoring Well Construction Forms (Form 4400-113A).

Following construction, the monitoring wells were left undisturbed for approximately 14 days following installation. They were developed using development/purging/sampling methods outlined in the WDNR "Groundwater Sampling Desk Reference" (Publ: DG-037-96). Pre and post development water levels were taken with a Solinst electronic water level meter. Well development activities are recorded on a Monitoring Well Development Form (Form 4400-113B). Well development and purge water was disposed of by running it through the onsite treatment system.

Temporary, 1-inch diameter, monitoring wells were installed in two of the soil borings (GP-7 and GP-13). The borings with the temporary wells were chosen based on soil conditions observed in the push samples. GP-7 was installed near the west wall of the warehouse and Boring GP-13 was installed in the basement.

Groundwater samples were collected and submitted for laboratory analysis for total and Hexavalent Chromium by Methods SM3111B and Method SM3500Cr, respectively. Samples will be tracked on WDNR compliant chain-of-custody forms.

6. Observations and Conclusions.

The subsurface investigation below the floors of the Appleton Wire-Albany International Former Chrome Plant (now the warehouse of Luvata Appleton LLC) revealed the following. The 6" concrete floor is constructed on a thin layer of fill that varies in composition, thickness and locations.

The clay soil underlying the floor of the warehouse is remarkably uniform in all of the borings constructed beneath the warehouse floor with only minor variations in texture or color noted.

The soil encountered under the floor of the basement area (in GP-12, GP-13) and in the soil against the east side of the west wall of the basement (GP-11) all exhibited much more variability. Those borings encountered sand and gravel layers and wood. It was anticipated that the soil against the interior walls and the floor of the basement would reflect the construction of these elements of the building. Chrome concentrations in the soil are highest in the 0-5' depth range in this area. See Figure #2.

Chrome concentrations in soil from 5'-10' below the floor are highest in the area of MW-20 and MW-20A. See Figures #3 & #4.This is the area former employees recalled as being the part of the building where a chroming equipment was located. Chrome concentrations under the remainder of the warehouse floor are much lower, and all concentrations diminish with depth.

Groundwater concentrations of Chromium are highest at MW-20. They are approximately 280 times higher in MW-20 than in the deeper MW-20A, located next to

MW-20. (MW-20 Total Chromium at 388,000 ug/l vs. MW-21A Total Chromium at 1200 ug/l).

Both MW-21 and MW-21A yielded groundwater containing Chromium but at very low levels. Both of these wells produced samples with a Total Chromium concentration of 3 ug/l. This extremely low concentration is likely caused by background levels of Chromium in the soil. According to the WDNR RCL Spreadsheet, the background threshold value for Chromium in Wisconsin soil is 44 mg/kg.

Two Chromium isoconcentration maps showing the extent and severity of the groundwater contamination across the site are provided as Figures #7 and Figure #8. They reflect analytical data from all the wells sample on April 27, 2015, and April 14, 2016 respectively.

Sincerely,
Badger Laboratories & Engineering, Inc.

David J. Casper
Project Manager

Cc: J.P. Hammerton, Albany International
File

HYDROGEOLOGIST CERTIFICATION

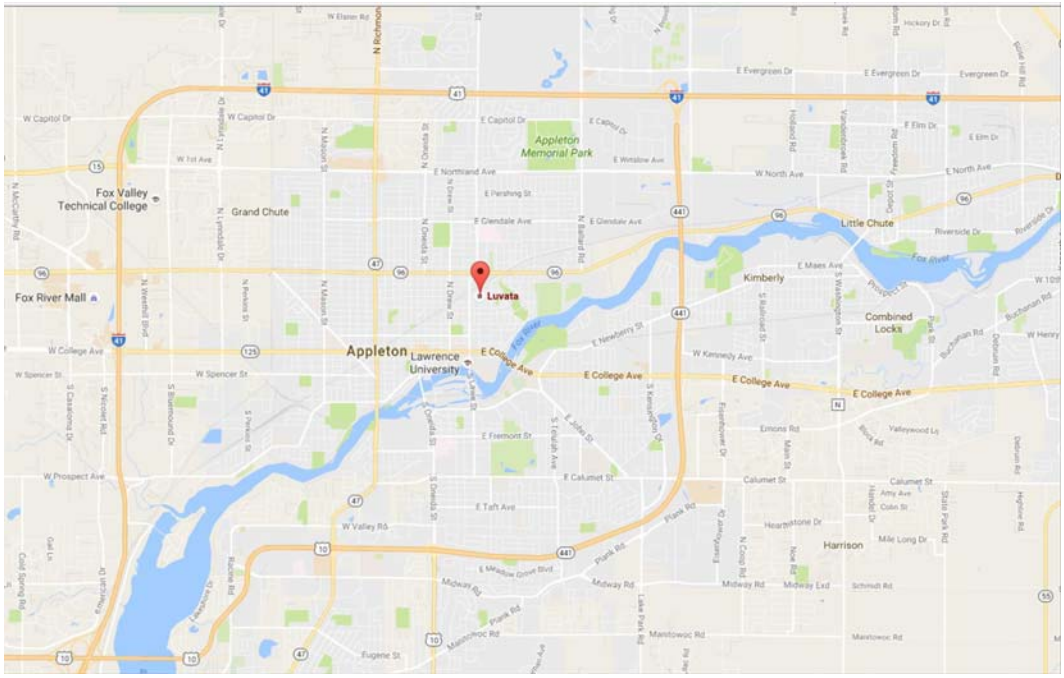
"I, Mark Love, hereby certify I am a Hydrogeologist as that term is defined in s NR 712.03 (1) Wisconsin Administrative Code; and that to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements of chs. NR 700 to 726, Wisconsin Administrative Code."

Mark Love, PSS

7/28/16
Date

Document Reference: Supplemental Site Investigation Report - June 25, 2016
Albany International Former Chrome Site, Appleton, WI

Figures



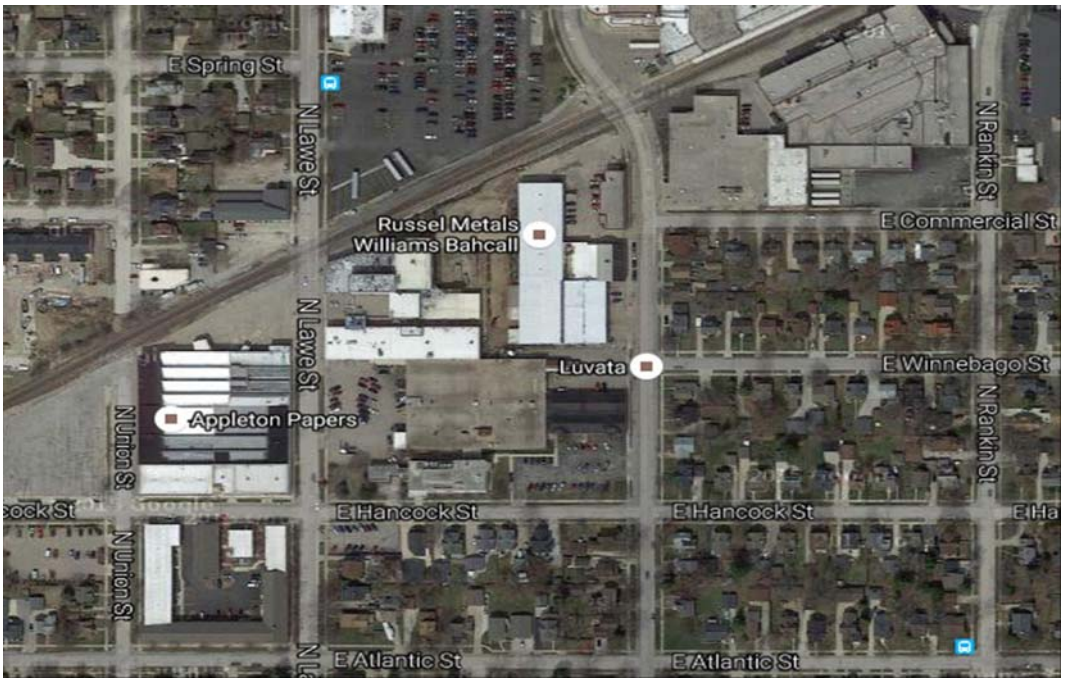


Figure A

Project Site Location

I BACHALL STEEL & PIPE INC.
31-0-11146-01
Zoned M2

PROPERTY LINE

PROPERTY LINE (LUVATA APPLETON LLC)

LUVATA APPLETON LLC
Parcel #31-1-1145-00
Zoned M2

LOADING DOCK

GMW11
GMW10
GMW09
GMW08
MW-17
MW-17A
French Drain

FORMER ALBANY
INTERNATIONAL BUILDING
(CURRENTLY OCCUPIED BY
LUVATA-USA

GP-1
GP-2
GP-3
MW-20
MW-20A
GP-6
GROUNDWATER
TRANSFER PIPING
Basement Sump
MW-21
MW-21A
GP-7
GP-8
GP-9
MW-19
MW-19A
GP-10
GP-11
GP-12
GP-13
BASEMENT
GMW05
GMW06
GMW07

GMW01
MW-2A
MW-2
GMW02
GMW03
GMW04
MW-5*
MW-5A

PROPERTY LINE (APPLETON PAPERS INC)

APPLETON PAPERS INC.
Pacel #31-1-1139-00
Zoned M2

APPLETON PAPERS INC.
PARKING LOT

MW-1
MW-18
MW-18A
GRASS

PROPERTY LINE (APPLETON PAPERS INC)

SIDEWALK
GRASS

HANCOCK STREET

(802)

WINNEBAGO STREET

MW-10-R

Maria Wieriches
Revoc Trust
Parcel # 31-1-1119-00
(820)

Guy Clark
Parcel # 31-1-1118-00
(814)

Gregory Weiss
Parcel # 31-1-1102-01
(806)

Nicholas Vandinter
Revoc Trust
Parcel # 31-1-1102-00
(802)

LEGEND

MW-1	MONITORING WELL
GMW11	TEMP GEOPROBE MON. WELL

* AS OF 8/13/02 THE DESCRIPTION FOR MW-05 AND MW-05A WERE EXCHANGED

NORTH

0' 10' 20' 30 40'

Scale
1" = 40'

NO.	DATE	REVISION
	8/20/09	Overlay 2005 Aerial Photo

Badger Laboratories & Engineering Co. Inc.
501 W. Bell St., Neenah WI 54956
TEL: (920) 729-1100 FAX: (920) 729-4945

This drawing developed from base drawing provided by McMahon Associates Inc. by Badger Laboratories and Engineering Co. Inc.

DESIGNED BY
DRAWN BY DJC
CHECKED BY KDC

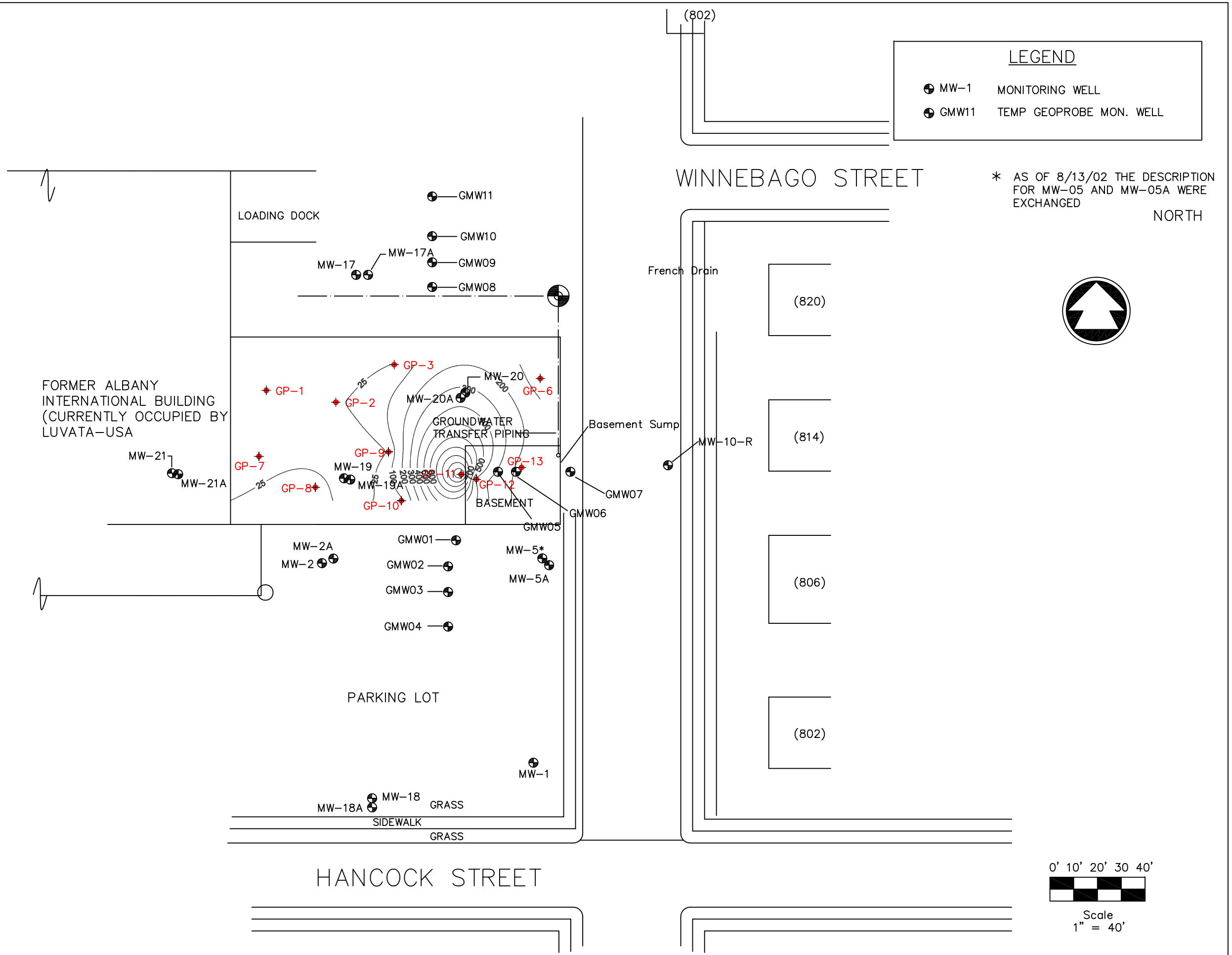
Plant Information

Appleton Wire
Former Albany International Chrome Plant
Property Limits and Ownership Information

SCALE NO SCALE
DATE 4/27/09
PROJECT NO. Albany Int. Cr02

FIGURE NO. 1

FILE NO.



NO.	DATE	REVISION
	8/20/09	Overlay 2005 Aerial Photo

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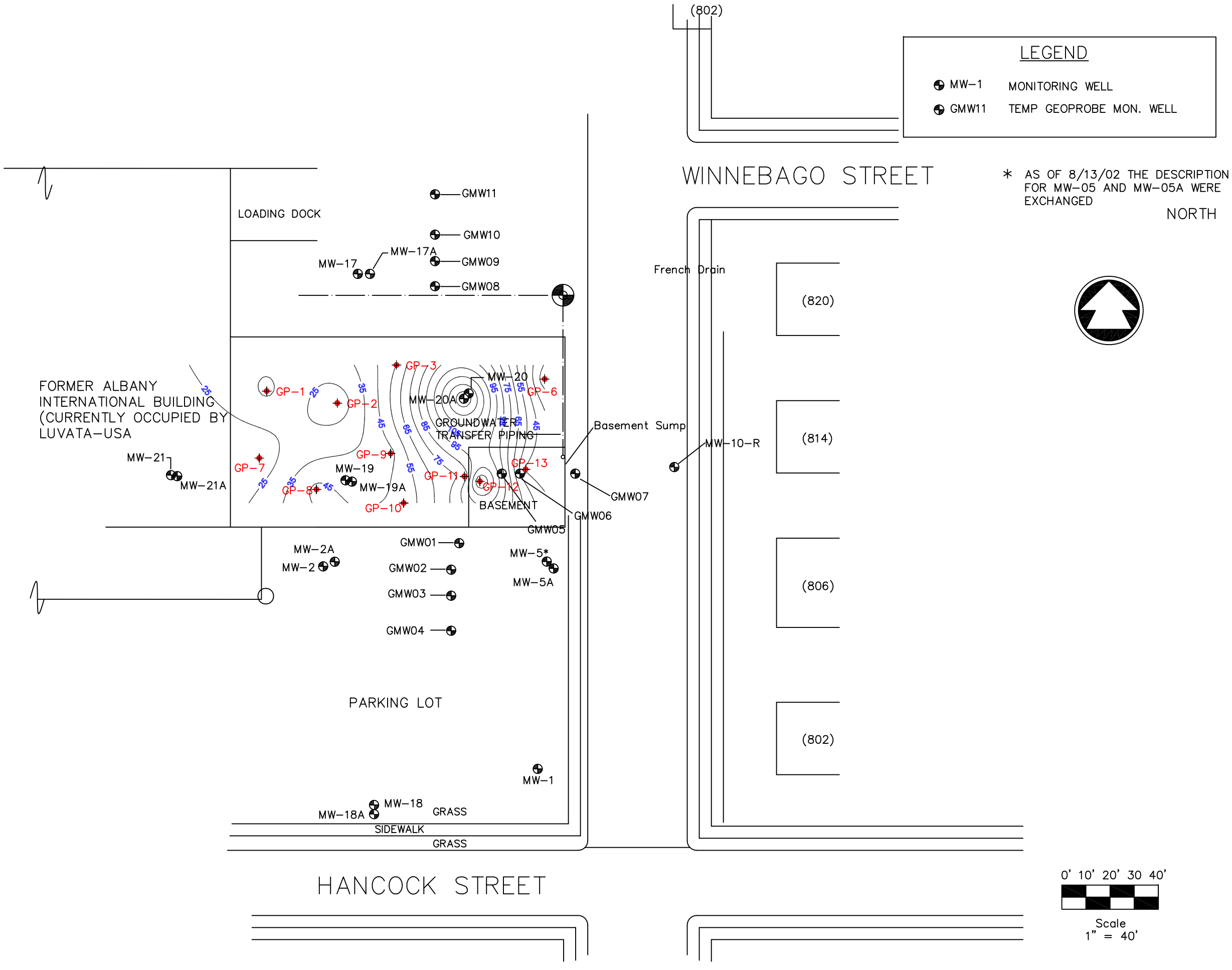
DESIGNED BY	DRAWN BY	CHECKED BY
	DJC	KDC

Appleton Wire
Former Albany International Chrome Plant
Total Chrome 0–5’ Contours May 2014

SCALE	DATE	PROJECT NO.
NO SCALE	5/20/14	Albany Int. Cr02

FIGURE NO.
2

FILE NO.



NO.	DATE	REVISION
	8/20/09	Overlay 2005 Aerial Photo

Badger Laboratories & Engineering Co. Inc.
501 W. Bell St., Neenah WI 54956
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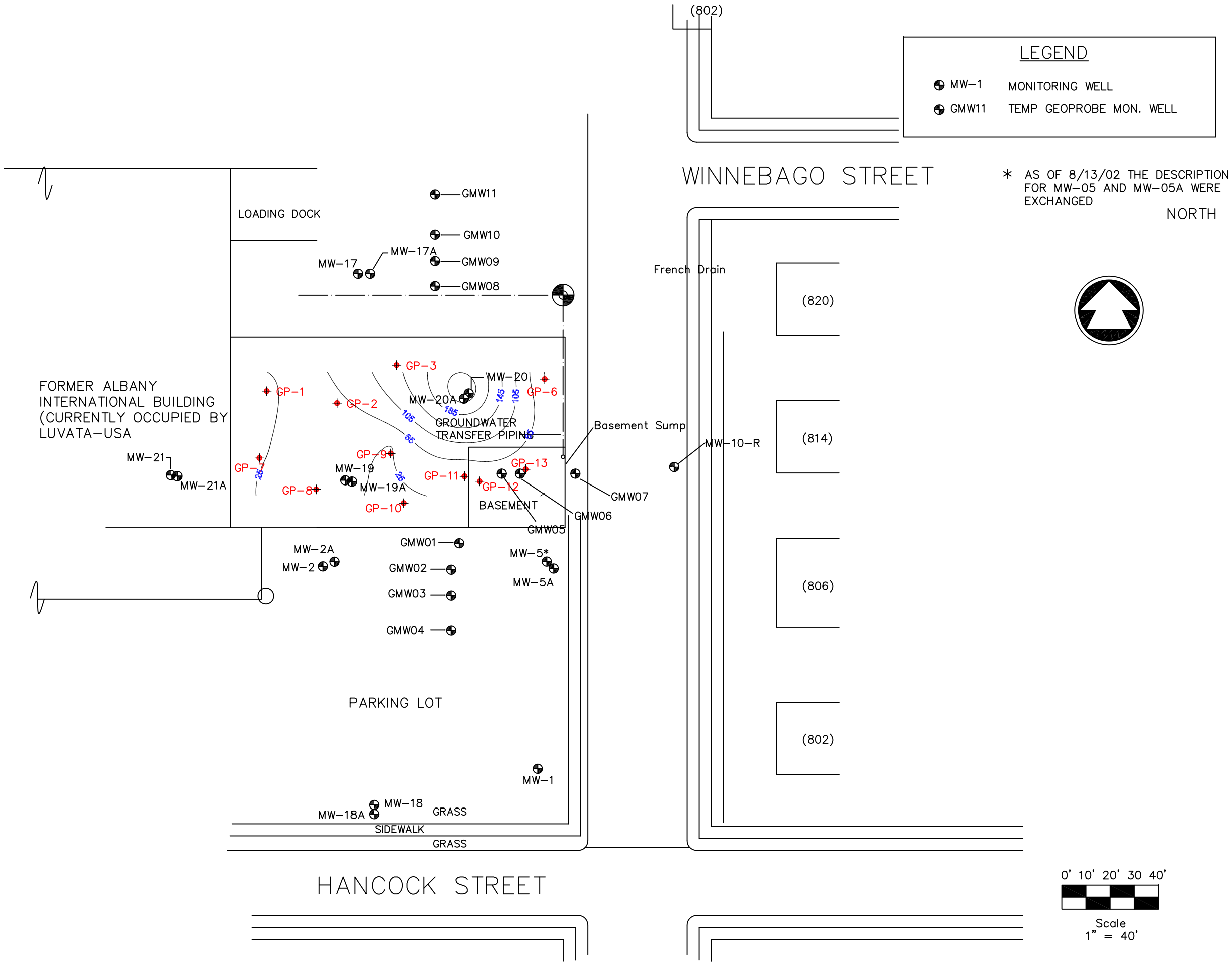
	DJC	KDC

Appleton Wire
Former Albany International Chrome Plant
Total Chrome in Soil 5’–10’ Contours May 2014

SCALE	DATE	PROJECT NO.
NO SCALE	5/20/14	Albany Int. Cr02

FIGURE NO.
3

FILE NO.



NO.	DATE	REVISION
	8/20/09	Overlay 2005 Aerial Photo

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	DJC	KDC

Appleton Wire
Former Albany International Chrome Plant
Total Chrome 10’–15’ Contours May 2014

SCALE	DATE	PROJECT NO.
NO SCALE	5/20/14	Albany Int. Ch'02

FIGURE NO.
4

FILE NO.

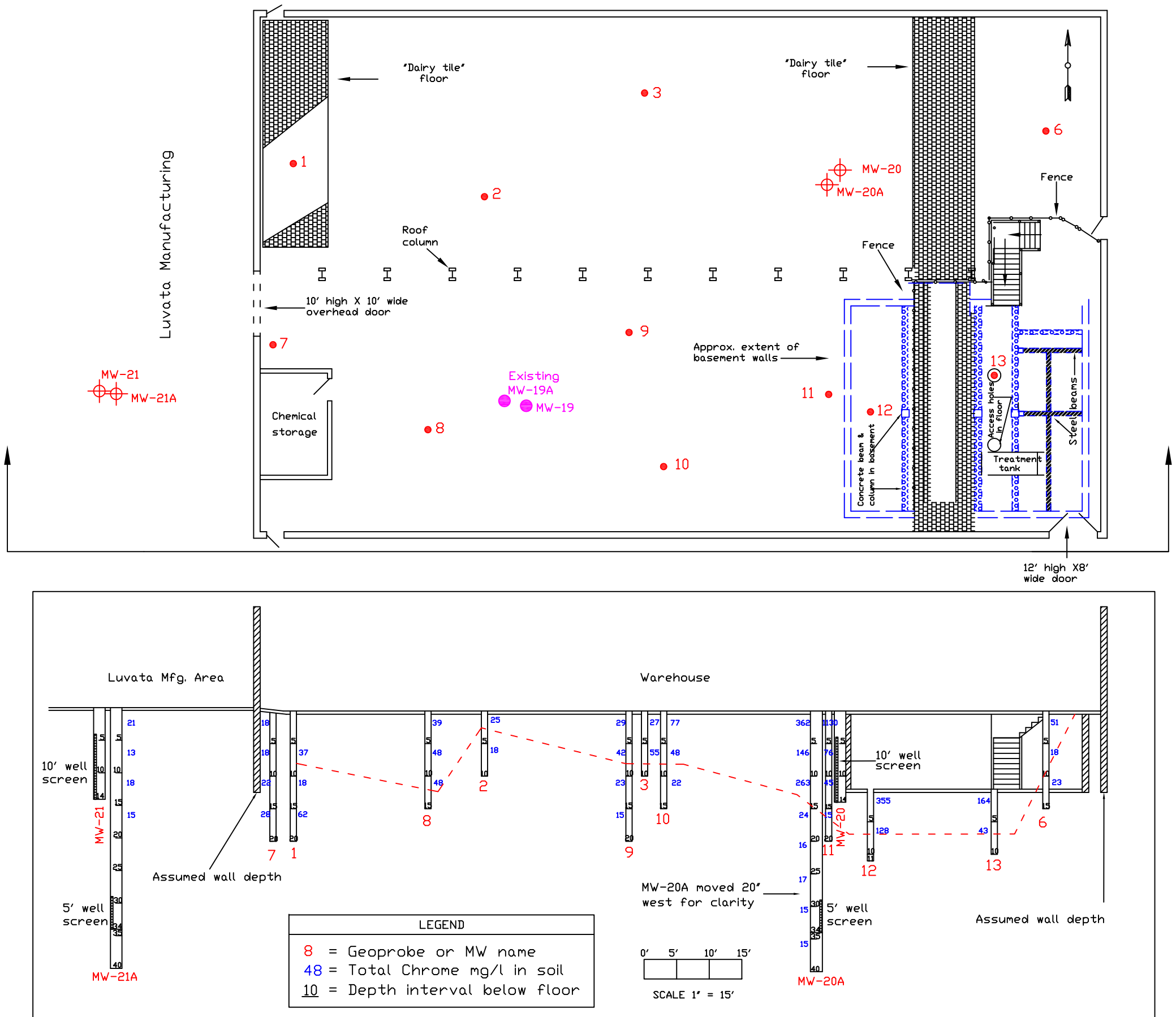

Fig. #5 Cross-section looking south to north through building at soil borings and groundwater monitoring wells with total Chorome concentrations in soil shown with depth.

Drawn by Badger Laboratories & Engineering Co. Inc. 5/27/2014

Figure #6 Aerial of Property

Information and aerial photo taken from City of Appleton
GIS Website "Property Viewer"

(802)

WINNEBAGO STREET

* AS OF 8/13/02 THE DESCRIPTION FOR MW-05 AND MW-05A WERE EXCHANGED

NORTH

LOADING DOCK

MW-17 MW-17A

French Drain

(820)

FORMER ALBANY INTERNATIONAL BUILDING (CURRENTLY OCCUPIED BY LUVATA-USA

MW-20

MW-20A

GROUNDWATER TRANSFER PIPING

Basement Sump

MW-10-R

(814)

MW-21

MW-21A

MW-19

MW-19A

BASEMENT

MW-2A

MW-2

MW-5*

MW-5A

(806)

PARKING LOT

(802)

MW-1

MW-18

MW-18A

GRASS

SIDEWALK

GRASS

HANCOCK STREET

0' 10' 20' 30 40'

Scale
1" = 40'

Badger Laboratories & Engineering Co. Inc.
501 W. Bell St., Neenah WI 54956
TEL: (920) 729-1100 FAX: (920) 729-4945

NO.	DATE	REVISION
	8/20/09	Overlay 2005 Aerial Photo

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DESIGNED BY
DRAWN BY DJC
CHECKED BY KDC

Appleton Wire Former Albany International Chrome Plant
April 27, 2015 Groundwater
Total Chromium Isoconcentration Map (ug/l)

SCALE NO SCALE
DATE 4/27/09
PROJECT NO. Albany Int. Cr02

FIGURE NO.
7

FILE NO.

(802)

WINNEBAGO STREET

* AS OF 8/13/02 THE DESCRIPTION FOR MW-05 AND MW-05A WERE EXCHANGED

NORTH

LOADING DOCK

MW-17 MW-17A

French Drain

(820)

FORMER ALBANY INTERNATIONAL BUILDING (CURRENTLY OCCUPIED BY LUVATA-USA

MW-20

MW-20A

GROUNDWATER TRANSFER PIPING

Basement Sump

MW-10-R

(814)

MW-21 MW-21A

MW-19 MW-19A

BASEMENT

20000 40000 60000 80000 100000 120000 140000 160000 180000 200000

MW-2A MW-2

MW-5* MW-5A

(806)

PARKING LOT

(802)

MW-1

MW-18 MW-18A

GRASS

SIDEWALK

GRASS

HANCOCK STREET

0' 10' 20' 30' 40'

Scale
1" = 40'

Badger Laboratories & Engineering Co. Inc.
501 W. Bell St., Neenah WI 54956
TEL: (920) 729-1100 FAX: (920) 729-4945

NO.	DATE	REVISION
	8/20/09	Overlay 2005 Aerial Photo

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DRAWN BY DJC
CHECKED BY KDC

Appleton Wire Former Albany International Chrome Plant
April 14, 2016 Groundwater
Total Chromium Isoconcentration Map (ug/l)

SCALE NO SCALE
DATE 4/27/09
PROJECT NO. Albany Int. Cr02

FIGURE NO.
8

FILE NO.

Soil and Groundwater Results

Summary Tables

Table #1

Summary of Total and Hex Chromium Concentration in Soil Samples

Name	Sample Date	0'-5' Total chrome (mg/kg)	0'-5' Hex chrome (mg/kg)	0'-5' **TCLP chrome** (mg/kg)	5'-10' Total chrome (mg/kg)	5'-10' Hex chrome (mg/kg)	5'-10' **TCLP chrome** (mg/kg)	10'-15' Total chrome (mg/kg)	10'-15' Hex chrome (mg/kg)	10'-15' **TCLP chrome** (mg/kg)	15'-20' Total chrome (mg/kg)	15'-20' Hex chrome (mg/kg)	20'-25' Total chrome (mg/kg)	20'-25' Hex chrome (mg/kg)	25'-30' Total chrome (mg/kg)	25'-30' Hex chrome (mg/kg)	30'-35' Total chrome (mg/kg)	30'-35' Hex chrome (mg/kg)	35'-40' Total chrome (mg/kg)	35'-40' Hex chrome (mg/kg)
MW-20A	5/13/14	362	3.08	2.6	146	0.941	1.8	263	0.343	4.5	24	0.469	*16*	0.550	17	0.277	15	<0.231	15	<0.211
MW-21A	5/14/14	21	<0.229	NA	13	<0.224	NA	18	<0.230	NA	15	<0.226	NS	NS	NS	NS	NS	NS	NS	NS
GP-1	5/13/14	NS	NS	NS	37	<0.221	NA	18	<0.218	NA	62	<0.234	NS	NS	NS	NS	NS	NS	NS	NS
GP-2	5/13/14	25	<0.253	NA	18	<0.211	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GP-3	5/13/14	27	<0.212	NA	55	<0.223	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GP-6	5/13/14	51	<0.229	NA	18	1.23	NA	23	1.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GP-7	5/12/14	18	<0.227	NA	18	0.368	NA	22	0.582	NA	28	0.287	NS	NS	NS	NS	NS	NS	NS	NS
GP-8	5/12/14	39	0.45	NA	48	0.761	NA	46	0.709	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GP-9	5/12/14	29	<0.228	NA	42	0.748	NA	23	<0.221	NA	15	0.774	NS	NS	NS	NS	NS	NS	NS	NS
GP-10	5/12/14	77	1.03	NA	48	1.11	NA	22	<0.225	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GP-11	5/12/14	1130	4.48	**13**	76	1.77	NA	45	<0.235	NA	15	<0.236	NS	NS	NS	NS	NS	NS	NS	NS
GP-12	5/12/14	355	<0.221	0.09	128	<0.237	<0.03	NS	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GP-13	5/12/14	164	3.06	<0.03	43	0.306	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

NA = Not Analyzed

NS = Not Sampled

13 Exceedance of EPA TCLP limit of 5 mg/L for hazardous waste

13 Exceedance of DC-RCL limit of 5.58 mg/kg in an Industrial setting.

Table 2

Summary of Total and Hex Chromium Concentrations
in Groundwater Samples

Name	Sample Date	Total Chrome (ug/l)	Hex Chrome (ug/l)	NR140 ES (ug/l)	NR140 PAL (ug/l)
GP-13 Temp	5/12/14	**2,991**	**1,600**	100	10
GP-7 Temp	5/13/14	**183**	***29***	100	10
MW-20	6/2/14	**338,000**	**338,000**	100	10
MW-20A	6/2/14	**1,200**	**1,060**	100	10
MW-21	6/2/14	3	<30	100	10
MW-21A	6/2/14	2	<30	100	10

183	Exceedance of NR 140 Enforcement Standard of 100 ug/l
29	Exceedance of NR 140 Preventive Action Limit of 10 ug/l

Laboratory Analytical Reports

CHEMISTS
ENGINEERS

BADGER LABORATORIES & ENGINEERING INC.
501 WEST BELL STREET • NEENAH, WISCONSIN 54956-4868 • EST. 1966
(920) 729-1100 • FAX (920) 729-4945 • 1-800-776-7196

ALBANY INTERNATIONAL-APPLETON
253 TROY RD
RENSSLEAER, NY 12144-

Attn:

CC DAVE

Report Number: 1404784
Report Date: 7/11/2016
Sampled By: BL&E

PO#:
Samples: 22

Sample Number: 44011288
Description: GP-7-1 0-5'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	18	ppm		0.58	1.9	SM3111D	05/20/14
HEX CHROME	<0.227	ppm		0.227	0.75	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	86.9	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011289
Description: GP-7-2 5-10'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	18	ppm		0.58	1.9	SM3111D	05/20/14
HEX CHROME	0.368	ppm		0.239	0.789	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	87.6	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011290
Description: GP-7-3 10-15'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	22	ppm		0.59	1.9	SM3111D	05/20/14
HEX CHROME	0.582	ppm		0.239	0.789	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	86.2	%		0.01	0.01	SM2540B	06/07/14

CHEMISTS
ENGINEERS

BADGER LABORATORIES & ENGINEERING INC.
501 WEST BELL STREET • NEENAH, WISCONSIN 54956-4868 • EST. 1966
(920) 729-1100 • FAX (920) 729-4945 • 1-800-776-7196

Sample Number: 44011291
Description: GP-7-4 15-20'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	28	ppm		0.45	1.5	SM3111D	05/20/14
HEX CHROME	0.287	ppm		0.233	0.77	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	83.4	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011292
Description: GP-8-1 0-5'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	39	ppm		0.54	1.8	SM3111D	05/20/14
HEX CHROME	0.450	ppm		0.221	0.729	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	86.4	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011293
Description: GP-8-2 5-10'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	48	ppm		1.5	5	SM3111D	05/20/14
HEX CHROME	0.761	ppm		0.209	0.69	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	87.1	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011294
Description: GP-8-3 10-15'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	46	ppm		1.4	4.6	SM3111D	05/20/14
HEX CHROME	0.709	ppm		0.219	0.73	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	82.7	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011295
Description: GP-9-1 0-5'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	29	ppm		0.9	2.97	SM3111D	05/20/14
HEX CHROME	<0.228	ppm		0.228	0.752	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	85.4	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011296
Description: GP-9-2 5-10'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	42	ppm		1.3	4.3	SM3111D	05/20/14
HEX CHROME	0.748	ppm		0.231	0.762	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	88.2	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011297
Description: GP-9-3 10-15'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	23	ppm		0.41	1.4	SM3111D	05/20/14
HEX CHROME	<0.221	ppm		0.221	0.729	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	85.1	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011298
Description: GP-9-4 15-20'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	15	ppm		0.35	1.2	SM3111D	05/20/14
HEX CHROME	0.774	ppm		0.213	0.703	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	81.7	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011299
Description: GP-10-1 0-5'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	77	ppm		2.3	7.6	SM3111D	05/20/14
HEX CHROME	1.03	ppm		0.232	0.766	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	87.8	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011300
Description: GP-10-2 5-10'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	48	ppm		1.5	5	SM3111D	05/20/14
HEX CHROME	1.11	ppm		0.23	0.759	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	86.5	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011301
Description: GP-10-3 10-15'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	22	ppm		0.45	1.5	SM3111D	05/20/14
HEX CHROME	<0.225	ppm		0.225	0.743	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	84.4	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011302
Description: GP-11-1 0-5'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	1130	ppm		34	112	SM3111D	05/20/14
HEX CHROME	4.48	ppm		0.214	0.706	SM3500CrD	06/04/14
METALS DIGESTION	DONE			0	0	EPA200.2	05/29/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TCLP CHROMIUM	13	mg/l		0.37	1.2	SM3111B	06/02/14
TCLP EXTRACTION	COMPLETE			0	0	SW846-1311	05/27/14
TOTAL SOLIDS	95.7	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011303
Description: GP-11-2 5-10'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	76	ppm		2.1	6.9	SM3111D	05/20/14
HEX CHROME	1.77	ppm		0.22	0.726	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	95.6	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011304
Description: GP-11-3 10-15'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	45	ppm		1.3	4.3	SM3111D	05/20/14
HEX CHROME	<0.235	ppm		0.235	0.776	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	80.8	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011305
Description: GP-11-4 15-20'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	15	ppm		0.31	1	SM3111D	05/20/14
HEX CHROME	<0.236	ppm		0.236	0.779	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	80.4	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011306
Description: GP-12-1 0-5'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	355	ppm		0.38	1.3	SM3111D	05/20/14
HEX CHROME	<0.221	ppm		0.221	0.729	SM3500CrD	06/04/14
METALS DIGESTION	DONE			0	0	EPA200.2	05/29/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TCLP CHROMIUM	0.09	mg/l		0.03	0.1	SM3111B	06/02/14
TCLP EXTRACTION	COMPLETE			0	0	SW846-1311	05/27/14
TOTAL SOLIDS	80.9	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011307
Description: GP-1202 5-10'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	128	ppm		0.44	1.5	SM3111D	05/20/14
HEX CHROME	<0.237	ppm		0.237	0.782	SM3500CrD	06/04/14
METALS DIGESTION	DONE			0	0	EPA200.2	05/29/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TCLP CHROMIUM	<0.03	mg/l		0.03	0.1	SM3111B	06/02/14
TCLP EXTRACTION	COMPLETE			0	0	SW846-1311	05/27/14
TOTAL SOLIDS	81.7	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011308
Description: GP-13-1 0-5'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	164	ppm		0.36	1.2	SM3111D	05/20/14
HEX CHROME	3.06	ppm		0.224	0.739	SM3500CrD	06/04/14
METALS DIGESTION	DONE			0	0	EPA200.2	05/29/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TCLP CHROMIUM	<0.03	mg/l		0.03	0.1	SM3111B	06/02/14
TCLP EXTRACTION	COMPLETE			0	0	SW846-1311	05/27/14
TOTAL SOLIDS	80.0	%		0.01	0.01	SM2540B	06/07/14

WI DNR Certified Lab #445023150
WI Reg. Engineers (Corp.) #CE00601
WI DATCP Certified #205 (Bacteria-Water)

Members
WI Environmental Labs; Am. Chemical Soc.;
T.A.P.P.I.; WI Food Processors Assn.;
Wisc. Paper Council

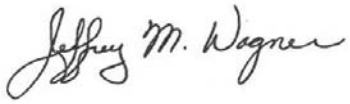
CHEMISTS
ENGINEERS

BADGER LABORATORIES & ENGINEERING INC.
501 WEST BELL STREET • NEENAH, WISCONSIN 54956-4868 • EST. 1966
(920) 729-1100 • FAX (920) 729-4945 • 1-800-776-7196

Sample Number: 44011309
Description: GP-13-2 5-11'
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	43	ppm		0.42	1.4	SM3111D	05/20/14
HEX CHROME	0.306	ppm		0.248	0.818	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	80.0	%		0.01	0.01	SM2540B	06/07/14

BADGER LABS & ENGINEERING
WDNR Certified Lab #445023150
Approved By:



JMW:dc

CHEMISTS
ENGINEERS

BADGER LABORATORIES & ENGINEERING, INC.

501 WEST BELL STREET - NEENAH, WISCONSIN 54956-4868 - EST. 1966
(920) 729-1100 - Fax (920) 729-4945 - 1-800-776-7196

SAMPLE RECEIPT FORM

CLIENT INFORMATION

COMPANY:

NAME: ALBANY INTERNATIONAL RON BUCK
ADDRESS: 435 6th Street
Menasha WI 54952
PHONE:
P.O. #:
PROJECT/SITE:
REPORT & BILL TO: RON BUCK
ADDITIONAL REPORTS TO: DAVE CASPER

TURN AROUND TIME:
☑ Normal
☐ Rush (Approval _____)
due 5-21-?

SAMPLE TYPE:
☐ Groundwater ☐ Lab Filtered
☐ Wastewater ☐ Field Filtered
☐ WPDES ☐ Grab
☐ Cooling Water ☐ Composite
☐ Drinking Water ☐ Flow Proportional
☐ Solid Waste ☐ Time Proportional
☐ Oil
☒ Other SOIL

CUSTOMER SAMPLE ID	SAMPLE DATE/TIME	DATE REC'D	BL & E REPORT #	BL & E SAMPLE #	TEMP *	CONTAINERS	Ice Y/N	DELIVERY METHOD: BL&E	CLIENT	UPS	OTHER	PRESERVATION: PIF	PIL	NON-PRES	H2SO4	HNO3	NAOH	OTHER	ANALYTICAL REQUESTS	pH ok	EP
GP-7-1 0'-5'	15:00 5-12-14	5-12-14	4789	11788		1												NONE	TOTAL + HEX CHROME		
GP 7-2 5'-10'	15:10 5-12-14			11789		1															
GP-7-3 10'-15'	15:20 5-12-14			11790		1															
GP-7-4 15'-20'	15:30 5-12-14			11791		1															
GP-8-1 0'-5'	14:00 5-12-14			11792		1															
GP-8-2 5'-10'	14:10 5-12-14			11793		1															
GP-8-3 10'-15'	14:15 5-12-14			11794		1															
GP-9-1 0'-5'	12:45 5-12-14			11795		1															
GP-9-2 5'-10'	12:55 5-12-14			11796		1															
GP-9-3 10'-15'	13:00 5-12-14			11797		1															

CHAIN OF CUSTODY RECORD

FILLED IN BY CUSTOMER
SAMPLED BY: David J Casper
DATE/TIME SAMPLED: 5-12-14
RELINQUISHED BY: David J Casper

FILLED IN BY BADGER LABS & ENG
RECEIVED BY: DSP
DATE/TIME RECEIVED: TW 5/12/14
LOGGED IN:

* Temperature over 4°C are above EPA/DNR Protocol unless received on Ice.
* EP= If pH was not correct, extra preservation was added until correct pH was achieved.
* PIF= Preserved in field.
* PIL= Preserved in lab.

CHEMISTS
ENGINEERS

BADGER LABORATORIES & ENGINEERING, INC.

501 WEST BELL STREET - NEENAH, WISCONSIN 54956-4868 - EST. 1966
(920) 729-1100 - Fax (920) 729-4945 - 1-800-776-7196

SAMPLE RECEIPT FORM

CLIENT INFORMATION

COMPANY:

NAME:	ALBANY INTERNATIONAL (ROD BUCK)
ADDRESS:	435 6th STREET MENASHA, WI 54952
PHONE:	
P.O. #:	
PROJECT/SITE:	
REPORT & BILL TO:	ROD BUCK
ADDITIONAL REPORTS TO:	DAVE CASPER

TURN AROUND TIME:
- ☑ Normal
- ☐ Rush (Approval _____)

SAMPLE TYPE:
- ☐ Groundwater
- ☐ Wastewater
- ☐ WPDES
- ☐ Cooling Water
- ☐ Drinking Water
- ☐ Solid Waste
- ☐ Oil
- ☑ Other SOIL
- ☐ Lab Filtered
- ☐ Field Filtered
- ☐ Grab
- ☐ Composite
- ☐ Flow Proportional
- ☐ Time Proportional

CUSTOMER SAMPLE ID	SAMPLE DATE/TIME	DATE REC'D	BL & E REPORT #	BL & E SAMPLE #	TEMP *	CONTAINERS	Ice Y/N	DELIVERY METHOD: BL&E	CLIENT	UPS	OTHER	PRESERVATION: PIF	PIL	NON-PRES	H2SO4	HNO3	NAOH	OTHER	ANALYTICAL REQUESTS	pH ok	EP
GP-9-4 15'-20'	13:12 5-12-14	5/2/14	4784	11298		1	Y											NONE	TOTAL + HEX CHROME		
GP-10-1 0'-5'	12:10 5-12-14			11299		1															
GP-10-2 5'-10'	12:15 5-12-14			11300		1															
GP-10-3 10'-15'	12:20 5-12-20			11301		1															
GP-11-1 0'-5'	10:30 5-12-14			11302		1															
GP-11-2 5'-10'	10:40 5-12-14			11303		1															
GP-11-3 10'-15'	10:50 5-12-14			11304		1															
GP-11-4 15'-20'	10:00 5-12-14			11305		1															
GP-12-1 0'-5'	10:00 5/12/14	↓		11306		1															
GP-12-2 5'-10'	10:10 5/12/14			11307		1	↓	↓						↓				↓	↓		

CHAIN OF CUSTODY RECORD

FILLED IN BY CUSTOMER	FILLED IN BY BADGER LABS & ENG	
SAMPLED BY: Dave J Casper	RECEIVED BY: BSB	
DATE/TIME SAMPLED: 5-12-14	DATE/TIME RECEIVED: 5/13/14	
RELINQUISHED BY: Dave J Casper	LOGGED IN:	

* Temperature over 4°C are above EPA/DNR Protocol unless received on Ice.
* EP= If pH was not correct, extra preservation was added until correct pH was achieved.
* PIF= Preserved in field.
* PIL= Preserved in lab.

CHEMISTS
ENGINEERS

BADGER LABORATORIES & ENGINEERING, INC.

501 WEST BELL STREET - NEENAH, WISCONSIN 54956-4868 - EST. 1966
(920) 729-1100 - Fax (920) 729-4945 - 1-800-776-7196

SAMPLE RECEIPT FORM

CLIENT INFORMATION

COMPANY:

NAME:	ALBANY INTERNATIONAL (RON BUCK)
ADDRESS:	435 6th STREET MENASHA WI 54952
PHONE:	
P.O. #:	
PROJECT/SITE:	
REPORT & BILL TO:	RON BUCK
ADDITIONAL REPORTS TO:	DAVE CASPER

TURN AROUND TIME:

- ☑ Normal
- ☐ Rush (Approval _____)

SAMPLE TYPE:

- ☐ Groundwater
- ☐ Wastewater
- ☐ WPDES
- ☐ Cooling Water
- ☐ Drinking Water
- ☐ Solid Waste
- ☐ Oil
- ☑ Other SOIL
- ☐ Lab Filtered
- ☐ Field Filtered
- ☐ Grab
- ☐ Composite
- ☐ Flow Proportional
- ☐ Time Proportional

CUSTOMER SAMPLE ID	SAMPLE DATE/TIME	DATE REC'D	BL & E REPORT #	BL & E SAMPLE #	TEMP *	CONTAINERS	Ice Y/N	DELIVERY METHOD: BL&E	CLIENT	UPS	OTHER	PRESERVATION: PIF	PIL	NON-PRES	H2SO4	HNO3	NAOH	OTHER	ANALYTICAL REQUESTS	pH ok	EP
GP-13-1 0-5'	09:30 5-12-14	5/12/14	4784	L1308	—	1	Y											None	TOTAL & HEX CHROME		
GP-13-2 5-11'	09:40 5-12-14	↓		L1309	—	1													↓		

CHAIN OF CUSTODY RECORD

FILLED IN BY CUSTOMER	FILLED IN BY BADGER LABS & ENG	
SAMPLED BY: Dave Casper	RECEIVED BY: DAB	
DATE/TIME SAMPLED: 5-12-14	DATE/TIME RECEIVED: 5/13/14	
RELINQUISHED BY: Dave Casper	LOGGED IN: 1700	

* Temperature over 4°C are above EPA/DNR Protocol unless received on Ice.
* EP= If pH was not correct, extra preservation was added until correct pH was achieved.

* PIF= Preserved in field.
* PIL= Preserved in lab.

CHEMISTS
ENGINEERS

BADGER LABORATORIES & ENGINEERING INC.
501 WEST BELL STREET • NEENAH, WISCONSIN 54956-4868 • EST. 1966
(920) 729-1100 • FAX (920) 729-4945 • 1-800-776-7196

ALBANY INTERNATIONAL-APPLETON
253 TROY RD
RENSSLEAER, NY 12144-

Attn:

CC DAVE

Report Number: 1404841
Report Date: 7/11/2016
Sampled By: BL&E

PO#:
Samples: 1

Sample Number: 44011413
Description: GEO PROBE GP-7 TEMP
WELL #7
Sample Date: 5/13/2014
Date Received: 5/14/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	183	ug/l		30	100	SM3111D	05/23/14
HEX CHROME	0.029	mg/l		0.003	0.009	SM3500CrD	05/17/14
METALS DIGESTION	DONE			0	0	EPA200.2	05/23/14

BADGER LABS & ENGINEERING
WDNR Certified Lab #445023150
Approved By:

Jeffrey M. Wagner

JMW:dc

CHEMISTS
ENGINEERS

BADGER LABORATORIES & ENGINEERING, INC.

501 WEST BELL STREET - NEENAH, WISCONSIN 54956-4868 - EST. 1966
(920) 729-1100 - Fax (920) 729-4945 - 1-800-776-7196

SAMPLE RECEIPT FORM

CLIENT INFORMATION

COMPANY:

NAME:	ALBANY / RON BUCK
ADDRESS:	435 6th STREET MENASHA WI 54952
PHONE:	
P.O. #:	
PROJECT/SITE:	
REPORT & BILL TO:	RON BUCK
ADDITIONAL REPORTS TO:	DAVE CASPER

TURN AROUND TIME:

- ☐ Normal
- ☐ Rush (Approval _____)

SAMPLE TYPE:

- ☑ Groundwater
- ☐ Wastewater
- ☐ WPDES
- ☐ Cooling Water
- ☐ Drinking Water
- ☐ Solid Waste
- ☐ Oil
- ☐ Other _____
- ☐ Lab Filtered
- ☐ Field Filtered
- ☐ Grab
- ☐ Composite
- ☐ Flow Proportional
- ☐ Time Proportional

CUSTOMER SAMPLE ID	SAMPLE DATE/TIME	DATE REC'D	BL & E REPORT #	BL & E SAMPLE #	TEMP *	CONTAINERS	Ice Y/N	DELIVERY METHOD				PRESERVATION							ANALYTICAL REQUESTS	pH ok	EP
								BL&E	CLIENT	UPS	OTHER	PIF	PIL	NON-PRES	H2SO4	HNO3	NAOH	OTHER			
GEO PROBE TEMP WELL #7	5-13-14 14:00	5/14	4841	11413		4	X	X				Y		1		1			TOTAL & HEX CHROME		
						1	X	X													

CHAIN OF CUSTODY RECORD

FILLED IN BY CUSTOMER
SAMPLED BY: John Stoeger
DATE/TIME SAMPLED: 5-13-14 14:00
RELINQUISHED BY: John Stoeger

FILLED IN BY BADGER LABS & ENG
RECEIVED BY: [illegible]
DATE/TIME RECEIVED: 5/14/14
LOGGED IN:

* Temperature over 4°C are above EPA/DNR Protocol unless received on Ice.
* EP= If pH was not correct, extra preservation was added until correct pH was achieved.

* PIF= Preserved in field.
* PIL= Preserved in lab.

CHEMISTS
ENGINEERS

BADGER LABORATORIES & ENGINEERING INC.
501 WEST BELL STREET • NEENAH, WISCONSIN 54956-4868 • EST. 1966
(920) 729-1100 • FAX (920) 729-4945 • 1-800-776-7196

ALBANY INTERNATIONAL-APPLETON
253 TROY RD
RENSSLEAER, NY 12144-

Attn:

CC DAVE

Report Number: 1404948
Report Date: 7/11/2016
Sampled By: BL&E

PO#:
Samples: 22

Sample Number: 44011634
Description: MW 20-A-1 0-5'
Sample Date: 5/14/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	362	ppm		9.3	31	SM3111D	05/20/14
HEX CHROME	3.08	ppm		0.247	0.815	SM3500CrD	06/04/14
METALS DIGESTION	DONE			0	0	EPA200.2	05/29/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TCLP CHROMIUM	2.6	mg/l		0.03	0.1	SM3111B	06/02/14
TCLP EXTRACTION	COMPLETE			0	0	SW846-1311	05/27/14
TOTAL SOLIDS	86.1	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011635
Description: MW 20-A-2 5-10'
Sample Date: 5/13/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	146	ppm		4.2	14	SM3111D	05/20/14
HEX CHROME	0.941	ppm		0.259	0.855	SM3500CrD	06/04/14
METALS DIGESTION	DONE			0	0	EPA200.2	05/29/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TCLP CHROMIUM	1.8	mg/l		0.03	0.1	SM3111B	06/02/14
TCLP EXTRACTION	COMPLETE			0	0	SW846-1311	05/27/14
TOTAL SOLIDS	87.1	%		0.01	0.01	SM2540B	06/07/14

CHEMISTS
ENGINEERS

BADGER LABORATORIES & ENGINEERING INC.
501 WEST BELL STREET • NEENAH, WISCONSIN 54956-4868 • EST. 1966
(920) 729-1100 • FAX (920) 729-4945 • 1-800-776-7196

Sample Number: 44011636
Description: MW 20-A-3 10-15'
Sample Date: 5/13/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	263	ppm		7.1	23	SM3111D	05/20/14
HEX CHROME	0.343	ppm		0.21	0.693	SM3500CrD	06/04/14
METALS DIGESTION	DONE			0	0	EPA200.2	05/29/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TCLP CHROMIUM	4.5	mg/l		0.03	0.1	SM3111B	06/02/14
TCLP EXTRACTION	COMPLETE			0	0	SW846-1311	05/27/14
TOTAL SOLIDS	84.6	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011637
Description: MW 20-A-4 15-20'
Sample Date: 5/13/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	24	ppm		0.47	1.6	SM3111D	05/20/14
HEX CHROME	0.469	ppm		0.231	0.762	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	81.6	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011638
Description: MW 20-A-5 20-25'
Sample Date: 5/13/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	16	ppm		0.4	1.32	SM3111D	05/20/14
HEX CHROME	0.550	ppm		0.226	0.746	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	80.8	%		0.01	0.01	SM2540B	06/07/14

WI DNR Certified Lab #445023150
WI Reg. Engineers (Corp.) #CE00601
WI DATCP Certified #205 (Bacteria-Water)

Members
WI Environmental Labs; Am. Chemical Soc.;
T.A.P.P.I.; WI Food Processors Assn.;
Wisc. Paper Council

Sample Number: 44011639
Description: MW 20-A-6 25-30'
Sample Date: 5/13/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	17	ppm		0.41	1.4	SM3111D	05/20/14
HEX CHROME	0.277	ppm		0.225	0.743	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	81.4	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011640
Description: MW 20-A-7 30-35'
Sample Date: 5/13/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	15	ppm		0.48	1.6	SM3111D	05/20/14
HEX CHROME	<0.231	ppm		0.231	0.762	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	80.6	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011641
Description: MW 20-A-8 35-40'
Sample Date: 5/13/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	15	ppm		0.38	1.3	SM3111D	05/20/14
HEX CHROME	<0.211	ppm		0.211	0.696	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	80.4	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011642
Description: GP-1-2 5-10'
Sample Date: 5/13/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	37	ppm		1.2	4	SM3111D	05/20/14
HEX CHROME	<0.221	ppm		0.221	0.729	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	85.3	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011643
Description: GP-1-3 10-15'
Sample Date: 5/13/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	18	ppm		0.4	1.32	SM3111D	05/20/14
HEX CHROME	<0.218	ppm		0.218	0.719	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	82.6	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011644
Description: GP-1-4 15-20'
Sample Date: 5/13/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	62	ppm		1.9	6.3	SM3111D	05/20/14
HEX CHROME	<0.234	ppm		0.234	0.772	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	82.4	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011645
Description: GP-2-1 0-5'
Sample Date: 5/13/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	25	ppm		0.4	1.32	SM3111D	05/20/14
HEX CHROME	<0.253	ppm		0.253	0.835	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	77.7	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011646
Description: GP-2-2 5-10'
Sample Date: 5/13/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	18	ppm		0.38	1.3	SM3111D	05/20/14
HEX CHROME	<0.211	ppm		0.211	0.696	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	83.5	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011647
Description: GP-3-1 0-5'
Sample Date: 5/13/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	27	ppm		0.83	2.7	SM3111D	05/20/14
HEX CHROME	<0.212	ppm		0.212	0.7	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	79.7	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011648
Description: GP-3-2 5-10'
Sample Date: 5/13/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	55	ppm		1.7	5.6	SM3111D	05/20/14
HEX CHROME	<0.223	ppm		0.223	0.736	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	84.2	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011649
Description: GP-6-1 0-5'
Sample Date: 5/13/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	51	ppm		1.5	5	SM3111D	05/20/14
HEX CHROME	<0.229	ppm		0.229	0.756	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	82.9	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011650
Description: GP-6-2 5-10'
Sample Date: 5/13/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	18	ppm		0.54	1.8	SM3111D	05/20/14
HEX CHROME	1.23	ppm		0.234	0.772	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	86.7	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011651
Description: GP-6-3 10-15'
Sample Date: 5/13/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	23	ppm		0.45	1.5	SM3111D	05/20/14
HEX CHROME	1.35	ppm		0.223	0.736	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	88.2	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011652
Description: MW 21-1-A 0-5'
Sample Date: 5/14/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	21	ppm		0.53	1.7	SM3111D	05/20/14
HEX CHROME	<0.229	ppm		0.229	0.756	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	81.9	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011653
Description: MW 21-A-2 5-10'
Sample Date: 5/14/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	13	ppm		0.49	1.6	SM3111D	05/20/14
HEX CHROME	<0.224	ppm		0.224	0.739	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	86.1	%		0.01	0.01	SM2540B	06/07/14

CHEMISTS
ENGINEERS

BADGER LABORATORIES & ENGINEERING INC.
501 WEST BELL STREET • NEENAH, WISCONSIN 54956-4868 • EST. 1966
(920) 729-1100 • FAX (920) 729-4945 • 1-800-776-7196

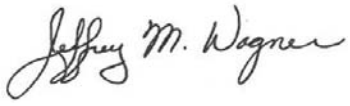
Sample Number: 44011654
Description: MW 21-A-3 10-15'
Sample Date: 5/14/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	18	ppm		0.41	1.4	SM3111D	05/20/14
HEX CHROME	<0.230	ppm		0.23	0.759	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	82.8	%		0.01	0.01	SM2540B	06/07/14

Sample Number: 44011655
Description: MW 21-A-4 15-20'
Sample Date: 5/14/2014
Date Received: 5/15/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	15	ppm		0.5	1.65	SM3111D	05/20/14
HEX CHROME	<0.226	ppm		0.226	0.746	SM3500CrD	06/04/14
SOLIDS DIGESTION	DONE			0	0	EPA200.2	05/19/14
TOTAL SOLIDS	84.2	%		0.01	0.01	SM2540B	06/07/14

BADGER LABS & ENGINEERING
WDNR Certified Lab #445023150
Approved By:



JMW:dc

CHEMISTS

ENGINEERS

BADGER LABORATORIES & ENGINEERING, INC.

501 WEST BELL STREET - NEENAH, WISCONSIN 54956-4868 - EST. 1966
(920) 729-1100 - Fax (920) 729-4945 - 1-800-776-7196

SAMPLE RECEIPT FORM

CLIENT INFORMATION

COMPANY:

NAME:	ALBANY
ADDRESS:	435 6th STREET MENASHA WI 54952
PHONE:	
P.O. #:	
PROJECT/SITE:	LUUATA - APPLETON
REPORT & BILL TO:	RON BUCK
ADDITIONAL REPORTS TO:	DAVE CASPER

TURN AROUND TIME:

- [x] Normal
- [ ] Rush (Approval _____)

Cr due 5/23.

SAMPLE TYPE:

- [ ] Groundwater
- [ ] Wastewater
- [ ] WPDES
- [ ] Cooling Water
- [ ] Drinking Water
- [ ] Solid Waste
- [ ] Oil
- [x] Other SOIL
- [ ] Lab Filtered
- [ ] Field Filtered
- [ ] Grab
- [ ] Composite
- [ ] Flow Proportional
- [ ] Time Proportional

CUSTOMER SAMPLE ID	SAMPLE DATE/TIME	DATE REC'D	BL & E REPORT #	BL & E SAMPLE #	TEMP *	CONTAINERS	Ice Y/N	DELIVERY METHOD: BL&E	CLIENT	UPS	OTHER	PRESERVATION: PIF	PIL	NON-PRES	H2SO4	HNO3	NAOH	OTHER	ANALYTICAL REQUESTS	pH ok	EP
MW20-A-1 0-5'	5-13-14 15:11	5/15/14	4948	11634	7	1	Y	BL						X					TOTAL & HEX CHROME		
MW20-A-2 5'-10'	5-13-14 15:20			11635		1															
MW20-A-3 10'-15'	5-13-14 15:28			11636		1															
MW20-A-4 15'-20'	5-13-14 15:36			11637		1															
MW20-A-5 20-25'	5-13-14 15:55			11638		1															
MW-20-A-6 25-30	5-13-14 16:10			11639		1															
MW-20-A-8 35-40'	5-13-14 16:25			11640		1															
MW-20-A-7 30'-35'	5-13-14 16:18			11641		1															

CHAIN OF CUSTODY RECORD

FILLED IN BY CUSTOMER	FILLED IN BY BADGER LABS & ENG	
SAMPLED BY: DJC	RECEIVED BY: BSB	
DATE/TIME SAMPLED: 5-13-14	DATE/TIME RECEIVED: 5/15/14	
RELINQUISHED BY: Dave Casper	LOGGED IN:	

* Temperature over 4°C are above EPA/DNR Protocol unless received on ice.
* EP= If pH was not correct, extra preservation was added until correct pH was achieved.
* PIF= Preserved in field.
* PIL= Preserved in lab.

CHEMISTS
ENGINEERS

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501 WEST BELL STREET - NEENAH, WISCONSIN 54956-4868 - EST. 1966
(920) 729-1100 - Fax (920) 729-4945 - 1-800-776-7196

SAMPLE RECEIPT FORM

CLIENT INFORMATION

COMPANY:
NAME: ALBANY
ADDRESS: 435 6th STREET
MENASHA WI 54952
PHONE:
P.O. #:
PROJECT/SITE: LUVATA - APPLETON
REPORT & BILL TO: RON BUCK
ADDITIONAL REPORTS TO: DAVE CASPER

TURN AROUND TIME:
☑ Normal
☐ Rush (Approval _____)

SAMPLE TYPE:
☐ Groundwater ☐ Lab Filtered
☐ Wastewater ☐ Field Filtered
☐ WPDES ☐ Grab
☐ Cooling Water ☐ Composite
☐ Drinking Water ☐ Flow Proportional
☐ Solid Waste ☐ Time Proportional
☐ Oil
☑ Other SOIL

CUSTOMER SAMPLE ID	SAMPLE DATE/TIME	DATE REC'D	BL & E REPORT #	BL & E SAMPLE #	TEMP °	CONT AINER S	Ice Y/N	DELIVERY METHOD				PRESERVATION							ANALYTICAL REQUESTS	pH ok	EP
								BL&E	CLIENT	UPS	OTHER	PIF	PIL	NON-PRES	H2SO4	HNO3	NAOH	OTHER			
GP-1-2 5'-10'	5-13-14 11:55	5/15/	4448	11642	7	1	X	DL						X					TOTAL + HEX CHROME		
GP-1-3 10'-15'	5-13-14 12:00	"		11643		1															
GP-1-4 15'-20'	5-13-14 12:06			11644		1															
GP-2-1 0'-5'	5-13-14 12:40			11645		1															
GP-2-2 5'-10'	5-13-14 12:45			11646		1															
GP-3-1 0'-5'	5-13-14 13:58			11647		1															
GP-3-2 5'-10'	5-13-14 14:05			11648		1															
GP-6-1 0'-5'	5-13-14 14:30			11649		1															
GP-6-2 5'-10'	5-13-14 14:40			11650		1															
GP-6-3 10'-15'	5-13-14 14:44	"		11651	"	1	"							"					"		

CHAIN OF CUSTODY RECORD

FILLED IN BY CUSTOMER
SAMPLED BY: DJC
DATE/TIME SAMPLED: 5-13-14
RELINQUISHED BY:

FILLED IN BY BADGER LABS & ENG
RECEIVED BY: LSS
DATE/TIME RECEIVED: 5/15/14
LOGGED IN:

* Temperature over 4°C are above EPA/DNR Protocol unless received on Ice.
* EP= If pH was not correct, extra preservation was added until correct pH was achieved.
* PIF= Preserved in field.
* PIL= Preserved in lab.

CHEMISTS
ENGINEERS

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(920) 729-1100 - Fax (920) 729-4945 - 1-800-776-7196

SAMPLE RECEIPT FORM

CLIENT INFORMATION

COMPANY:
NAME: ALBANY
ADDRESS: 435 6th STREET
MENASHA WI 54952
PHONE:
P.O. #:
PROJECT/SITE:
REPORT & BILL TO:
ADDITIONAL REPORTS TO:

TURN AROUND TIME:

☒ Normal
☐ Rush (Approval _____)

SAMPLE TYPE:

☐ Groundwater ☐ Lab Filtered
☐ Wastewater ☐ Field Filtered
☐ WPDES ☐ Grab
☐ Cooling Water ☐ Composite
☐ Drinking Water ☐ Flow Proportional
☐ Solid Waste ☐ Time Proportional
☐ Oil
☐ Other SOIL

CUSTOMER SAMPLE ID	SAMPLE DATE/TIME	DATE REC'D	BL & E REPORT #	BL & E SAMPLE #	TEMP °	CONTAINERS	Ice Y/N	DELIVERY METHOD: BL&E	CLIENT	UPS	OTHER	PRESERVATION: PIF	PIL	NON-PRES	H2SO4	HNO3	NAOH	OTHER	ANALYTICAL REQUESTS	pH ok	EP
MW21-A-1 0-5'	5-14-14 11:52	5/15/14	4948	11607	1	1	Y	BL						X					TOTAL & HEX CHROME		
MW21-A-2 5-10'	5-14-14 11:58			11608		1															
MW21-A-3 10-15'	5-14-14 12:05			11609		1															
MW21-A-4 15-20'	5-14-14 12:10			11610		1															
						1															
						1															

CHAIN OF CUSTODY RECORD

FILLED IN BY CUSTOMER
SAMPLED BY: DJC
DATE/TIME SAMPLED: 5-14-14
RELINQUISHED BY: [signature]

FILLED IN BY BADGER LABS & ENG
RECEIVED BY: [signature]
DATE/TIME RECEIVED: 5/15/14
LOGGED IN:

* Temperature over 4°C are above EPA/DNR Protocol unless received on Ice.
* EP= If pH was not correct, extra preservation was added until correct pH was achieved.

* PIF= Preserved in field.
* PIL= Preserved in lab.

CHEMISTS
ENGINEERS

BADGER LABORATORIES & ENGINEERING INC.
501 WEST BELL STREET • NEENAH, WISCONSIN 54956-4868 • EST. 1966
(920) 729-1100 • FAX (920) 729-4945 • 1-800-776-7196

ALBANY INTERNATIONAL-APPLETON
253 TROY RD
RENSSLEAER, NY 12144-

Attn:

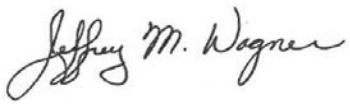
Report Number: 1405296
Report Date: 7/11/2016
Sampled By: BL&E

PO#:
Samples: 1

Sample Number: 44011279
Description: GP-13 TEMP
WELL #13
Sample Date: 5/12/2014
Date Received: 5/12/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	2991	ug/l		30	100	SM3111D	05/23/14
HEX CHROME	1.6	mg/l		0.03	0.1	SM3500CrD	05/12/14
METALS DIGESTION	DONE			0	0	EPA200.2	05/23/14

BADGER LABS & ENGINEERING
WDNR Certified Lab #445023150
Approved By:



JMW:dc

BADGER LABORATORIES & ENGINEERING CO., INC.

SAMPLE RECEIPT FORM

CLIENT INFORMATION

COMPANY: Albany International
NAME:
ADDRESS: 253 Troy Road
Rensselaer, NY 12144
PHONE/ FAX:
P.O. #: 4500 208835
PROJECT/SITE: Appleton Chrome Site
REPORT & BILL TO: Monthly Billing No Report To Albany
ADDITIONAL REPORTS TO: John Stoeger & DJC.

TURN AROUND TIME:
- [x] Normal
- [ ] Rush (Approval _____)

SAMPLE TYPE:
- [x] Groundwater
- [x] Wastewater
- [ ] WPDES
- [ ] Cooling Water
- [ ] Drinking Water
- [ ] Solid Waste
- [ ] Oil
- [ ] Other _____
- [ ] Lab Filtered
- [x] Field Filtered
- [ ] Grab
- [ ] Composite
- [ ] Flow Proportional
- [ ] Time Proportional

Temp #13

CUSTOMER SAMPLE ID	SAMPLE DATE/TIME	DATE REC'D	BL & E REPORT #	BL & E SAMPLE #	TEMP *	# OF CONTAINERS	Ice Y/N	DELIVERY METHOD: BLAE	CLIENT	UPS	OTHER	PRESERVATION: PIF	PIL	NON-PRES	H2SO4	HNO3	NaOH	OTHER	ANALYTICAL REQUESTS	pH ok	EP
Manhole	5/10/14 10:30am	5/12	4781	11275	7	2	Y	X				X		X		X			Tot & Hex Chrome		
Sump				11276		2		X						X		X			X X		
Canister A				11277		1		X								X			Total Chromium		
Outfall 001	↓			11278		1		X								X			X		
Temp Well	#13			11279		2		X				X		X		X			Tot & Hex Chrome		
	2:30 pm																				

CHAIN OF CUSTODY RECORD

FILLED IN BY CUSTOMER
SAMPLED BY: John Stoeger
DATE/TIME SAMPLED: 5/12/14 10:30 Am & 2:30 Pm
RELINQUISHED BY:

FILLED IN BY BADGER LABS & ENG
RECEIVED BY:
DATE/TIME RECEIVED: 5/12/14
LOGGED IN:

Picked up w/ eng project

* Temperature over 4°C are above EPA/DNR Protocol unless received on ice.
* EP= If pH was not correct, extra preservation was added until correct pH was achieved.
* PIF= Preserved in field.
* PIL= Preserved in lab.

CHEMISTS
ENGINEERS

BADGER LABORATORIES & ENGINEERING INC.
501 WEST BELL STREET • NEENAH, WISCONSIN 54956-4868 • EST. 1966
(920) 729-1100 • FAX (920) 729-4945 • 1-800-776-7196

ALBANY INTERNATIONAL-APPLETON
253 TROY RD
RENSSLEAER, NY 12144-

Attn:

Report Number: 1405494
Report Date: 7/11/2016
Sampled By: CLIENT

PO#:
Samples: 7

Sample Number: 44012829
Description: MW-20
Sample Date: 6/2/2014
Date Received: 6/2/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	338	mg/l		7.9	26	SM3111D	06/02/14
HEX CHROME	338	mg/l		15	50	SM3500CrD	06/03/14

Sample Number: 44012830
Description: MW-20A
Sample Date: 6/2/2014
Date Received: 6/2/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	1.2	mg/l		0.03	0.1	SM3111D	06/02/14
HEX CHROME	1.06	mg/l		0.03	0.1	SM3500CrD	06/03/14

Sample Number: 44012831
Description: MW-21
Sample Date: 6/2/2014
Date Received: 6/2/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	0.0026	mg/l		0.0001	0.0003	SM3113D	06/17/14
HEX CHROME	<0.03	mg/l		0.03	0.1	SM3500CrD	06/03/14

Sample Number: 44012832
Description: MW-21A
Sample Date: 6/2/2014
Date Received: 6/2/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	0.0018	mg/l		0.0001	0.0003	SM3113D	06/17/20
HEX CHROME	<0.03	mg/l		0.03	0.1	SM3500CrD	06/03/14

Sample Number: 44012833
Description: SUMP
Sample Date: 6/2/2014
Date Received: 6/2/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	7.0	mg/l		0.3	1	SM3111D	06/11/14
HEX CHROME	6.8	mg/l		0.6	2	SM3500CrD	06/03/14
METALS DIGESTION	DONE			0	0	EPA200.2	06/06/14

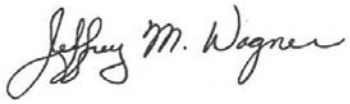
Sample Number: 44012834
Description: MANHOLE
Sample Date: 6/2/2014
Date Received: 6/2/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	1.5	mg/l		0.03	0.1	SM3111D	06/02/14
HEX CHROME	1.5	mg/l		0.06	0.2	SM3500CrD	06/03/14
TURBIDITY-LAB	0.4	NTU		0	0	EPA180.1	06/03/14

Sample Number: 44012835
Description: OUTFALL
Sample Date: 6/2/2014
Date Received: 6/2/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	0.04	mg/l		0.03	0.1	SM3111D	06/02/14
TURBIDITY-LAB	0.4	NTU		0	0	EPA180.1	06/03/14

BADGER LABS & ENGINEERING
WDNR Certified Lab #445023150
Approved By:



JMW:dc

BADGER LABORATORIES & ENGINEERING CO., INC.

SAMPLE RECEIPT FORM

CLIENT INFORMATION

COMPANY: Albany International
NAME:
ADDRESS: 253 Troy Road
Rensselaer, NY 12144
PHONE/ FAX:
P.O. #: 4500 208835
PROJECT/SITE: Appleton Chrome Site
REPORT & BILL TO: Monthly Billing No Report To Albany
ADDITIONAL REPORTS TO: John Stoeger & OTC

TURN AROUND TIME:

- [x] Normal
- [ ] Rush (Approval _____)

SAMPLE TYPE:

- [x] Groundwater
- [x] Wastewater
- [ ] WPDES
- [ ] Cooling Water
- [ ] Drinking Water
- [ ] Solid Waste
- [ ] Oil
- [ ] Other _____
- [ ] Lab Filtered
- [ ] Field Filtered
- [ ] Grab
- [ ] Composite
- [ ] Flow Proportional
- [ ] Time Proportional

CUSTOMER SAMPLE ID	SAMPLE DATE/TIME	DATE REC'D	BL & E REPORT #	BL & E SAMPLE #	TEMP *	# OF CONTAINERS	Ice Y/N	DELIVERY METHOD: BLAE	CLIENT	UPS	OTHER	PRESERVATION: PIF	PIL	NON-PRES	H2SO4	HNO3	NAOH	OTHER	ANALYTICAL REQUESTS	pH ok	EP
MW-20	6-2-14 10:40Am	6/2	5494	12F29	7	2	Y		Y			Y		X		X			Tot & Hex Chrom		
MW-20A				12F30		2								X		X					
MW-21				12F31		2								X		X					
MW-21A				12F32		2								X		X					
Sump				12F33		2								X		X					
Manhole				12F34		2								X		X					
Outfall 001				12F35		1								X					Total Chromium		

CHAIN OF CUSTODY RECORD

FILLED IN BY CUSTOMER
SAMPLED BY: John Stoeger
DATE/TIME SAMPLED: 6-2-14 10:40 Am
RELINQUISHED BY:

FILLED IN BY BADGER LABS & ENG
RECEIVED BY: JUN 02 2014
DATE/TIME RECEIVED: JUN 02 2014 11:55
LOGGED IN: 1650

Monitoring Wells field filtered through a .50 micron filter by gravity

* Temperature over 4°C are above EPA/DNR Protocol unless received on ice.
* EP= If pH was not correct, extra preservation was added until correct pH was achieved.
* PIF= Preserved in field.
* PIL= Preserved in lab.

CHEMISTS
ENGINEERS

BADGER LABORATORIES & ENGINEERING INC.
501 WEST BELL STREET • NEENAH, WISCONSIN 54956-4868 • EST. 1966
(920) 729-1100 • FAX (920) 729-4945 • 1-800-776-7196

ALBANY INTERNATIONAL-APPLETON
253 TROY RD
RENSSLEAER, NY 12144-

Attn:

Report Number: 1406724
Report Date: 7/11/2016
Sampled By: CLIENT

PO#: 4500208835
Samples: 13

Sample Number: 44015840
Description: SUMP
Sample Date: 7/8/2014
Date Received: 7/8/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	27	mg/l		0.27	0.89	SM3111D	07/18/14
HEX CHROME	27	mg/l		0.6	1.98	SM3500CrD	07/08/14
METALS DIGESTION	DONE			0	0	EPA200.2	07/16/14

Sample Number: 44015841
Description: MANHOLE
Sample Date: 7/8/2014
Date Received: 7/8/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	3.8	mg/l		0.11	0.37	SM3111D	07/09/14
HEX CHROME	3.20	mg/l		0.06	0.198	SM3500CrD	07/08/14
TURBIDITY-LAB	0.3	NTU		0	0	EPA180.1	07/09/14

Sample Number: 44015842
Description: MW-05
Sample Date: 7/8/2014
Date Received: 7/8/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM, DISSOLVED	1.3	mg/l		0.03	0.1	SM3111D	07/09/14
HEX CHROME	1.18	mg/l		0.03	0.099	SM3500CrD	07/08/14

Sample Number: 44015843
Description: MW-05A
Sample Date: 7/8/2014
Date Received: 7/8/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM, DISSOLVED	0.004	mg/l		0.0001	0	SM3113D	07/16/14
HEX CHROME	<0.003	mg/l		0.003	0.009	SM3500CrD	07/08/14

Sample Number: 44015844
Description: MW-19
Sample Date: 7/8/2014
Date Received: 7/8/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM, DISSOLVED	18	mg/l		0.3	1	SM3111D	07/09/14
HEX CHROME	17	mg/l		0.15	0.495	SM3500CrD	07/08/14

Sample Number: 44015845
Description: MW-19A
Sample Date: 7/8/2014
Date Received: 7/8/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM, DISSOLVED	0.0038	mg/l		0.0001	0.0003	SM3113D	07/16/14
HEX CHROME	<0.003	mg/l		0.003	0.009	SM3500CrD	07/08/14

Sample Number: 44015846
Description: MW-20
Sample Date: 7/8/2014
Date Received: 7/8/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM, DISSOLVED	283	mg/l		7.9	26	SM3111D	07/09/14
HEX CHROME	89	mg/l		0.6	1.98	SM3500CrD	07/08/14

Sample Number: 44015847
Description: MW-20A
Sample Date: 7/8/2014
Date Received: 7/8/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM, DISSOLVED	0.23	mg/l		0.03	0.1	SM3111D	07/09/14
HEX CHROME	0.015	mg/l		0.003	0.009	SM3500CrD	07/08/14

Sample Number: 44015848
Description: MW-200
Sample Date: 7/8/2014
Date Received: 7/8/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM, DISSOLVED	301	mg/l		8.5	28	SM3111D	07/09/14
HEX CHROME	255	mg/l		3	9.9	SM3500CrD	07/08/14

Sample Number: 44015849
Description: MW-21
Sample Date: 7/8/2014
Date Received: 7/8/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM, DISSOLVED	0.21	mg/l		0.03	0.1	SM3111D	07/09/14
HEX CHROME	<0.003	mg/l		0.003	0.009	SM3500CrD	07/08/14

Sample Number: 44015850
Description: MW-21A
Sample Date: 7/8/2014
Date Received: 7/8/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM, DISSOLVED	0.0011	mg/l		0.0001	0.0003	SM3113D	07/16/14
HEX CHROME	<0.003	mg/l		0.003	0.009	SM3500CrD	07/08/14

CHEMISTS
ENGINEERS

BADGER LABORATORIES & ENGINEERING INC.
501 WEST BELL STREET • NEENAH, WISCONSIN 54956-4868 • EST. 1966
(920) 729-1100 • FAX (920) 729-4945 • 1-800-776-7196

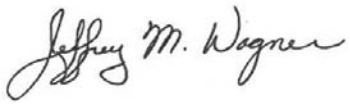
Sample Number: 44015851
Description: 001 OUTFALL
Sample Date: 7/8/2014
Date Received: 7/8/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	0.36	mg/l		0.03	0.1	SM3111D	07/09/14
TURBIDITY-LAB	0.3	NTU		0	0	EPA180.1	07/09/14

Sample Number: 44015852
Description: CANISTER A
Sample Date: 7/8/2014
Date Received: 7/8/2014

Parameter	Results	Units	Codes	LOD	LOQ	Method	Analyzed
CHROMIUM,TOTAL REC	2.2	mg/l		0.03	0.1	SM3111D	07/18/14
METALS DIGESTION	DONE			0	0	EPA200.2	07/16/14

BADGER LABS & ENGINEERING
WDNR Certified Lab #445023150
Approved By:



JMW:dc

BADGER LABORATORIES & ENGINEERING CO., INC.

SAMPLE RECEIPT FORM

1 of 2

CLIENT INFORMATION

COMPANY: Albany International
NAME:
ADDRESS: 253 Troy Road
Rensselaer, NY 12144
PHONE/ FAX:
P.O. #: 4500 208835
PROJECT/SITE: Appleton Chrome Site
REPORT & BILL TO: Monthly Billing No Report To Albany
ADDITIONAL REPORTS TO: John Stuczen & OTC.

TURN AROUND TIME:

- [x] Normal
- [ ] Rush (Approval _____)

SAMPLE TYPE:

- [x] Groundwater
- [ ] Wastewater
- [ ] WPDES
- [ ] Cooling Water
- [ ] Drinking Water
- [ ] Solid Waste
- [ ] Oil
- [ ] Other _____
- [ ] Lab Filtered
- [x] Field Filtered
- [x] Grab
- [ ] Composite
- [ ] Flow Proportional
- [ ] Time Proportional

CUSTOMER SAMPLE ID	SAMPLE DATE/TIME	DATE REC'D	BL & E REPORT #	BL & E SAMPLE #	TEMP *	# OF CONTAINERS	Ice Y/N	DELIVERY METHOD: BLAE	CLIENT	UPS	OTHER	PRESERVATION: PIF	PIL	NON-PRES	H2SO4	HNO3	NaOH	OTHER	ANALYTICAL REQUESTS	pH ok	EP
Sump	7/8/14	7/8	10784	15740	9	2	Y		X			X		X		X			Tot & Hex Chrome		
Manhole	2:30 PM			15741		2			X					X		X					
MW-05				15742		2			X					X		X					
MW-05A				15743		2			X					X		X					
MW-19				15744		2			X					X		X					
MW-19A				15745		2			X					X		X					
MW-20				15746		2			X					X		X					
MW-20A				15747		2			X					X		X					
MW-20D				15748		2			X					X		X					
~~Grab A~~				~~15749~~		~~2~~			X					X		X			~~Total Chromium~~		

~~Outfall 001~~

CHAIN OF CUSTODY RECORD

FILLED IN BY CUSTOMER
SAMPLED BY: John Stuczen
DATE/TIME SAMPLED: 7/8/14 2:00 pm
RELINQUISHED BY:

FILLED IN BY BADGER LABS & ENG
RECEIVED BY: JUL 08 2014 14:40
DATE/TIME RECEIVED:
LOGGED IN:

* Temperature over 4°C are above EPA/DNR Protocol unless received on ice.
* EP= If pH was not correct, extra preservation was added until correct pH was achieved.
* PIF= Preserved in field.
* PIL= Preserved in lab.

BADGER LABORATORIES & ENGINEERING CO., INC.

SAMPLE RECEIPT FORM

2 of 2

CLIENT INFORMATION

COMPANY: Albany International
NAME:
ADDRESS: 253 Troy Road
Rensselaer, NY 12144
PHONE/ FAX:
P.O. #: 4500 208835
PROJECT/SITE: Appleton Chrome Site
REPORT & BILL TO: Monthly Billing No Report To Albany
ADDITIONAL REPORTS TO: John Stoege & OTC

TURN AROUND TIME:

- [x] Normal
- [ ] Rush (Approval _____)

SAMPLE TYPE:

- [x] Groundwater
- [x] Wastewater
- [ ] WPDES
- [ ] Cooling Water
- [ ] Drinking Water
- [ ] Solid Waste
- [ ] Oil
- [ ] Other _____

- [x] Lab Filtered
- [x] Field Filtered
- [ ] Grab
- [ ] Composite
- [ ] Flow Proportional
- [ ] Time Proportional

CUSTOMER SAMPLE ID	SAMPLE DATE/TIME	DATE REC'D	BL & E REPORT #	BL & E SAMPLE #	TEMP °	# OF CONTAINERS	Ice Y/N	DELIVERY METHOD: BLAE	CLIENT	UPS	OTHER	PRESERVATION: PIF	PIL	NON-PRES	H2SO4	HNO3	NAOH	OTHER	ANALYTICAL REQUESTS	pH ok	EP
MW-21	7/8/14 2:20pm	7/8/14	60424	158[illegible]	7	2	Y		X					X		X			Tot & Hex Chrome		
MW-21A	"			158[illegible]	"	2	"		X					X		X			"		
Outfall 001	"			158[illegible]	"	1	"		X							X			Total Chromium		
Canister A	"			158[illegible]	"	1	"		X							X			"		

CHAIN OF CUSTODY RECORD

FILLED IN BY CUSTOMER
SAMPLED BY: John Stoege
DATE/TIME SAMPLED: 7/8/14 2:20pm
RELINQUISHED BY:

FILLED IN BY BADGER LABS & ENG
RECEIVED BY:
DATE/TIME RECEIVED: JUL 08 2014 14:40
LOGGED IN:

* Temperature over 4°C are above EPA/DNR Protocol unless received on ice.
* EP= If pH was not correct, extra preservation was added until correct pH was achieved.
* PIF= Preserved in field.
* PIL= Preserved in lab.

Monitoring Well Construction Forms

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Former Albany Intrn'l Chrome Plan	Local Grid Location of Well: 55.5 ft. [X] N. ☐ S. 40 ft. ☐ E. [X] W.	Well Name: MW-20
Facility License, Permit or Monitoring No.: 0245000015	Local Grid Origin [X] (estimated: ☐) or Well Location ☐ Lat. 44 ° 16 ' 9.3 " Long. 88 ° 23 ' 43 " or	Wis. Unique Well No.: VN452 / DNR Well ID No.:
Facility ID: 445035910	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 05 / 14 / 2014 (m m d d y y y y)
Type of Well: Well Code 11 / mw	Section Location of Waste/Source: SW 1/4 of NW 1/4 of Sec. 25 T. 21 N. R. 17 [X] E ☐ W	Well Installed By: Name (first, last) and Firm: Tony Kapugi, On-site Environmental
Distance from Waste/Source _____ ft. / Enf. Stds. Apply [X]	Location of Well Relative to Waste/Source: u ☐ Upgradient s [X] Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: 11

A. Protective pipe, top elevation 768.67 ft. MSL
B. Well casing, top elevation 768.36 ft. MSL
C. Land surface elevation 768.67 ft. MSL
D. Surface seal, bottom 768.2 ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH [X]
Bedrock ☐

13. Sieve analysis performed? ☐ Yes [X] No

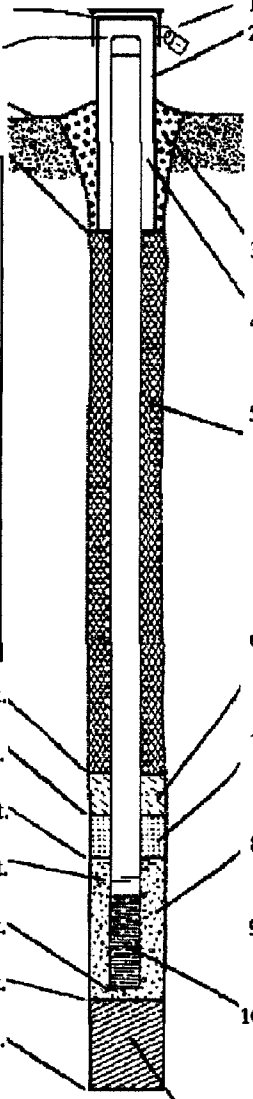
14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger [X] 41
Other ☐ _____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None [X] 99

16. Drilling additives used? ☐ Yes [X] No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top 768.2 ft. MSL or _____ ft.
F. Fine sand, top 767.7 ft. MSL or _____ ft.
G. Filter pack, top 766.7 ft. MSL or _____ ft.
H. Screen joint, top 764.7 ft. MSL or _____ ft.
I. Well bottom 754.7 ft. MSL or _____ ft.
J. Filter pack, bottom 754.4 ft. MSL or _____ ft.
K. Borehole, bottom 753.7 ft. MSL or _____ ft.
L. Borehole, diameter 8.5 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.05 in.



1. Cap and lock? [X] Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1.5 ft.
c. Material: Steel [X] 04
Morrison Flush Mount HD _____ Other ☐ _____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30
Concrete [X] 01
_____ Other ☐ _____
4. Material between well casing and protective pipe:
Bentonite [X] 30
_____ Other ☐ _____
5. Annular space seal: a. Granular/Chipped Bentonite [X] 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 2.5 ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity [X] 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. [X] 3/8 in. ☐ 1/2 in. Bentonite chips [X] 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. Sidley #5000
b. Volume added 0.75 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Sidley #5
b. Volume added 3.75 ft^3
9. Well casing: Flush threaded PVC schedule 40 [X] 23
Flush threaded PVC schedule 80 ☐ 24
PVC Other ☐ _____
10. Screen material: _____
a. Screen type: Factory cut ☐ 11
Continuous slot [X] 01
Monoflex Other ☐ _____
b. Manufacturer _____
c. Slot size: 0.01 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None [X] 14
_____ Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
David J Kapugi	Badger Laboratories and Engineering Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Former Albany Intrn'l Chrome Plan	Local Grid Location of Well: 53.4 ft. [X] N. ☐ S. 42 ft. ☐ E. [X] W.	Well Name: MW-20-A
Facility License, Permit or Monitoring No.: 0245000015	Local Grid Origin [X] (estimated: ☐) or Well Location ☐ Lat. 44 ° 13 ' 9.3 " Long. 88 ° 23 ' 43 " or St. Plane _____ ft. N, _____ ft. E. S/C/N	Wis. Unique Well No.: VN453 / DNR Well ID No.:
Facility ID: 445035910	Section Location of Waste/Source: SW 1/4 of NW 1/4 of Sec. 25 T. 21 N, R. 17 [X] E ☐ W	Date Well Installed: 05 / 14 / 2014 (m m d d y y y y)
Type of Well: Well Code 12 / pz	Location of Well Relative to Waste/Source: u ☐ Upgradient s [X] Sidegradient d ☐ Downgradient n ☐ Not Known	Well Installed By: Name (first, last) and Firm: Tony Kapugi, On-site Environmental
Distance from Waste/Source _____ ft. / Enf. Stds. Apply [X]	Gov. Lot Number: 11	

A. Protective pipe, top elevation 768.67 ft. MSL

B. Well casing, top elevation 768.29 ft. MSL

C. Land surface elevation 768.67 ft. MSL

D. Surface seal, bottom 762.5 ft. MSL or 3 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH [X]
Bedrock ☐

13. Sieve analysis performed? ☐ Yes [X] No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger [X] 41
Other ☐
_____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None [X] 99

16. Drilling additives used? ☐ Yes [X] No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top 765.7 ft. MSL or _____ ft.

F. Fine sand, top 740.7 ft. MSL or _____ ft.

G. Filter pack, top 741.7 ft. MSL or _____ ft.

H. Screen joint, top 739.7 ft. MSL or _____ ft.

I. Well bottom 734.7 ft. MSL or _____ ft.

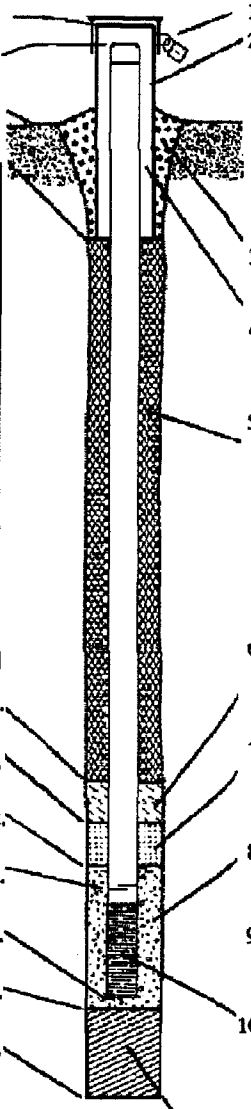
J. Filter pack, bottom 733.7 ft. MSL or _____ ft.

K. Borehole, bottom 733.7 ft. MSL or _____ ft.

L. Borehole, diameter 8.5 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.05 in.



1. Cap and lock? [X] Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1.5 ft.
c. Material: Steel [X] 04
_____ Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe: Morrison HD Flush Mount

3. Surface seal: Bentonite ☐ 30
Concrete [X] 01
_____ Other ☐

4. Material between well casing and protective pipe:
Bentonite [X] 30
_____ Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite [X] 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 8 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity [X] 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. [X] 3/8 in. ☐ 1/2 in. Bentonite chips [X] 32
c. _____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. Sidley 5000
b. Volume added 0.5 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Sidley #5
b. Volume added 3.5 ft^3

9. Well casing: Flush threaded PVC schedule 40 [X] 23
Flush threaded PVC schedule 80 ☐ 24
PVC Other ☐

10. Screen material: _____
a. Screen type: Factory cut ☐ 11
Continuous slot [X] 01
_____ Other ☐
b. Manufacturer Monoflex
c. Slot size: 0.01 in.
d. Slotted length: .5 ft.

11. Backfill material (below filter pack): None [X] 14
_____ Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: David J Kapugi Firm: Badger Laboratories and Engineering Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name Former Albany Intrn'l Chrome Plan	**Local Grid Location of Well** 21.58 ft. [X] N. ☐ S. 153.66 ft. [X] E. ☐ W.	**Well Name** MW-21
Facility License, Permit or Monitoring No. 0245000015	**Local Grid Origin** [X] (estimated: ☐) or **Well Location** ☐ Lat. 44 ° 16 ' 9.3 " Long. 88 ° 23 ' 43 " or	**Wis. Unique Well No.** VN450 / **DNR Well ID No.**
Facility ID 445035910	**St. Plane** _____ ft. N, _____ ft. E. S/C/N	**Date Well Installed** 05 / 14 / 2014 (m m d d y y y y)
Type of Well Well Code 11 / mw	**Section Location of Waste/Source** SW 1/4 of NW 1/4 of Sec. 25 T. 21 N. R. 17 [X] E. ☐ W.	**Well Installed By: Name (first, last) and Firm** Tony Kapugi On-site Environmental
Distance from Waste/ Source 125 ft. / **Enf. Stds. Apply** [X]	**Location of Well Relative to Waste/Source** u [X] Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	**Gov. Lot Number** 11

A. Protective pipe, top elevation 769.19 ft. MSL
B. Well casing, top elevation 768.85 ft. MSL
C. Land surface elevation 769.19 ft. MSL
D. Surface seal, bottom 767.7 ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH [X]
Bedrock ☐

13. Sieve analysis performed? ☐ Yes [X] No

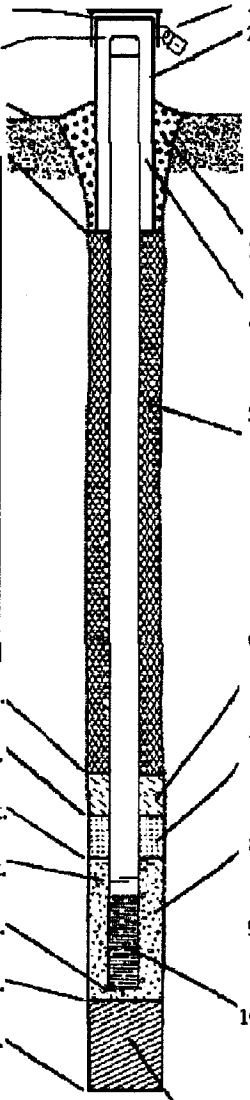
14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger [X] 41
Other ☐ _____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None [X] 99

16. Drilling additives used? ☐ Yes [X] No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top 767.7 ft. MSL or _____ ft.
F. Fine sand, top 766.7 ft. MSL or _____ ft.
G. Filter pack, top 765.7 ft. MSL or _____ ft.
H. Screen joint, top 765.2 ft. MSL or _____ ft.
I. Well bottom 755.2 ft. MSL or _____ ft.
J. Filter pack, bottom 755.2 ft. MSL or _____ ft.
K. Borehole, bottom 754.7 ft. MSL or _____ ft.
L. Borehole, diameter 8.5 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.05 in.



1. Cap and lock? [X] Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1.5 ft.
c. Material: Steel [X] 04
Other ☐ _____
d. Additional protection? [X] Yes ☐ No
If yes, describe: Morrison HD Flush Mount
3. Surface seal: Bentonite ☐ 30
Concrete [X] 01
Other ☐ _____
4. Material between well casing and protective pipe:
Bentonite [X] 30
Other ☐ _____
5. Annular space seal: a. Granular/Chipped Bentonite [X] 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity [X] 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. [X] 3/8 in. ☐ 1/2 in. Bentonite chips [X] 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. Sidley 5000
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Sidley #5
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 [X] 23
Flush threaded PVC schedule 80 ☐ 24
PVC Other ☐ _____
10. Screen material: _____
a. Screen type: Factory cut ☐ 11
Continuous slot [X] 01
_____ Other ☐ _____
b. Manufacturer Monoflex
c. Slot size: 0.01 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None [X] 14
_____ Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
David J Caspar	Badger Laboratories and Engineering Inc.

Please complete both Form 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Former Albany Intrn'l Chrome Plan	Local Grid Location of Well: 21.2 ft. [X] N. ☐ S. 151.1 ft. ☐ E. [X] W.	Well Name: MW21-A
Facility License, Permit or Monitoring No.: 0245000015	Local Grid Origin [X] (estimated: ☐) or Well Location ☐ Lat. 44 ° 16 ' 9.25 " Long. 88 ° 23 ' 42.6 " or	Wis. Unique Well No.: VN451 / DNR Well ID No.:
Facility ID: 445035910	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 05 / 14 / 2014 (m m d d y y y y)
Type of Well: Well Code 12 / pz	Section Location of Waste/Source: SW 1/4 of NW 1/4 of Sec. 25 T. 21 N, R. 17 [X] E ☐ W	Well Installed By: Name (first, last) and Firm: Tony Kapugi, On-site Environmental
Distance from Waste/Source: 125 ft. / Enf. Stds. Apply [X]	Location of Well Relative to Waste/Source: u [X] Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation 769.2 ft. MSL
B. Well casing, top elevation 768.85 ft. MSL
C. Land surface elevation 769.2 ft. MSL
D. Surface seal, bottom 767.7 ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH [X]
Bedrock ☐

13. Sieve analysis performed? ☐ Yes [X] No

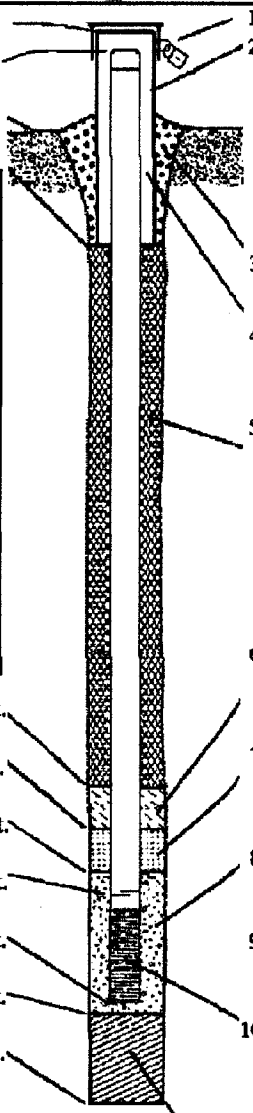
14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger [X] 41
Other ☐ _____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None [X] 99

16. Drilling additives used? ☐ Yes [X] No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top 767.7 ft. MSL or _____ ft.
F. Fine sand, top 741.5 ft. MSL or _____ ft.
G. Filter pack, top 739.3 ft. MSL or _____ ft.
H. Screen joint, top 737.2 ft. MSL or _____ ft.
I. Well bottom 735.2 ft. MSL or _____ ft.
J. Filter pack, bottom 732.7 ft. MSL or _____ ft.
K. Borehole, bottom 731.2 ft. MSL or _____ ft.
L. Borehole, diameter 8.25 in.
M. O.D. well casing 2.12 in.
N. I.D. well casing 2.05 in.



1. Cap and lock? [X] Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1.5 ft.
c. Material: Steel [X] 04
Other ☐ _____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: Morrison HD Flush Mount
3. Surface seal: Bentonite ☐ 30
Concrete [X] 01
Other ☐ _____
4. Material between well casing and protective pipe:
Bentonite [X] 30
Other ☐ _____
5. Annular space seal: a. Granular/Chipped Bentonite [X] 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. [X] 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. Sidley #5000
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Sidley #5
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 [X] 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐ _____
10. Screen material: _____
a. Screen type: Factory cut ☐ 11
Continuous slot [X] 01
Monofles Other ☐ _____
b. Manufacturer _____
c. Slot size: 0.01 in.
d. Slotted length: 5 ft.
11. Backfill material (below filter pack): None [X] 14
_____ Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: David J Cooper | Firm: Badger Laboratories and Engineering Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Monitoring Well Development Forms

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

Facility/Project Name	County Name	Well Name
Former Albany Intrn'l Chrome Plant	OUTAGAMIE	MW-20

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
0245000015	45	VN452	

1. Can this well be purged dry? ☐ Yes X No

2. Well development method

surged with bailer and bailed	[X] 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 97 min.

4. Depth of well (from top of well casisng) 13.9 ft.

5. Inside diameter of well 2.05 in.

6. Volume of water in filter pack and well casing 1.3 gal.

7. Volume of water removed from well 14 gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added NA

10. Analysis performed on water added? ☐ Yes X No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	6.03 ft.	13.43 ft.
Date b.	05 / 28 / 2014 (m m d d y y y y)	05 / 28 / 2014 (m m d d y y y y)
Time c.	13 : 53 ☐ a.m. ☐ p.m.	15 : 30 ☐ a.m. ☐ p.m.
12. Sediment in well bottom	0.2 inches	inches
13. Water clarity	Clear ☐ 10 Turbid [X] 15	Clear ☐ 20 Turbid [X] 25
(Describe)	*Chrome stained* yellow Very little sediment except for PVC cuttings from well construction	*Slightly turbid,* sandy brown

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

16. Well developed by: Name (first, last) and Firm
First Name: David Last Name: Casper
Firm: Badger Laboratories and Engineering Inc.

17. Additional comments on development:

Highly stained yellow (Chrome) Very little sediment except for some small bits of PVC that fell down well when riser pipe was trimmed to length during installation. Water rise about 0.01ft/20 seconds on recharge

Name and Address of Facility Contact /Owner/Responsible Party
First Name: JP Last Name: Hammerton
Facility/Firm: Albany International
Street: 3601 Electric City Blvd.
City/State/Zip: Kaukauna WI 54130-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: David J Casper
Print Name: David J. Casper
Firm: Badger Laboratories and Engineering Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

Facility/Project Name	County Name	Well Name
Former Albany Intrn'l Chrome Plant	OUTAGAMIE	MW-20-A

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
0245000015	45	VN453	

1. Can this well be purged dry? X Yes ☐ No

2. Well development method

surged with bailer and bailed	X 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 127 min.

4. Depth of well (from top of well casisng) 34.3 ft.

5. Inside diameter of well 2.05 in.

6. Volume of water in filter pack and well casing 0.4 gal.

7. Volume of water removed from well 4.2 gal.

8. Volume of water added (if any) ____ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes X No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	31.7 ft.	34.02 ft.
Date b. (mm/dd/yyyy)	05 / 28 / 2014	05 / 28 / 2014
Time c.	13 : 58 ☐ a.m. ☐ p.m.	16 : 05 ☐ a.m. ☐ p.m.
12. Sediment in well bottom	0.2 inches	____ inches
13. Water clarity	Clear ☐ 10 Turbid X 15 (Describe) *Highly tubid* (brown sandy clay)	Clear ☐ 20 Turbid ☐ 25 (Describe) *Slightly turbid* (brown sandy clay)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: David Last Name: Casper
Firm: Badger Laboratories and Engineering Inc.

17. Additional comments on development:

High initial turbidity (first 3 bailers), then significant reduction. Bailed to dry after each 0.5 gallon but recovered to full bailer depth (1000 ml) in about 15 minutes each time.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: JP Last Name: Hammerton
Facility/Firm: Albany International
Street: 3601 Electric City Blvd.
City/State/Zip: Kaukauna WI 54130-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: David J Casper
Print Name: David J. Casper
Firm: Badger Laboratories and Engineering Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

Facility/Project Name	County Name	Well Name
Former Albany Intrn'l Chrome Plant	OUTAGAMIE	MW-21

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
0245000015	45	VN450	

1. Can this well be purged dry? ☐ Yes X No

2. Well development method

surged with bailer and bailed	X 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 161 min.

4. Depth of well (from top of well casisng) 14 ft.

5. Inside diameter of well 2.05 in.

6. Volume of water in filter pack and well casing 1.5 gal.

7. Volume of water removed from well 15.2 gal.

8. Volume of water added (if any) ____ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes X No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	4.91 ft.	13.25 ft.
Date b.	05 / 29 / 2014 (m m d d y y y y)	05 / 29 / 2014 (m m d d y y y y)
Time c.	10 : 04 X a.m. ☐ p.m.	12 : 45 ☐ a.m. X p.m.
12. Sediment in well bottom	0.4 inches	____ inches
13. Water clarity	Clear ☐ 10 Turbid X 15 (Describe) *High turbidity* (Sandy brown)	Clear ☐ 20 Turbid X 25 (Describe) *Low turbidity* (Low turbidity)
14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: David Last Name: Casper
Firm: Badger Laboratories and Engineering Inc.

17. Additional comments on development:

Fine sandy clay sediment removed after 8 gallons. Well recharges to yield 200 ml in every bailer. Does not go dry.
Check with water level meter shows significant inflow

Name and Address of Facility Contact /Owner/Responsible Party
First Name: JP Last Name: Hammerton
Facility/Firm: Albany International
Street: 3601 Electric City Blvd.
City/State/Zip: Kaukauna WI 54130-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: David J Casper
Print Name: _____
Firm: Badger Laboratories and Engineering Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

Facility/Project Name	County Name	Well Name
Former Albany Intrn'l Chrome Plant	OUTAGAMIE	MW21-A

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
0245000015	45	VN451	

1. Can this well be purged dry? ☐ Yes X No

2. Well development method

surged with bailer and bailed	X 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 259 min.

4. Depth of well (from top of well casisng) 34 ft.

5. Inside diameter of well 2.05 in.

6. Volume of water in filter pack and well casing 0.5 gal.

7. Volume of water removed from well 5.2 gal.

8. Volume of water added (if any) gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes X No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	31.14 ft.	33.25 ft.
Date b. (m m d d y y y y)	05 / 29 / 2014	05 / 29 / 2014
Time c.	08 : 57 X a.m. ☐ p.m.	13 : 16 ☐ a.m. X p.m.
12. Sediment in well bottom	0.5 inches	0.1 inches
13. Water clarity	Clear ☐ 10 Turbid X 15	Clear ☐ 20 Turbid ☐ 25
(Describe)	*Medium tubidity* Sandy brown	*Slight tubidity* Sandy brown

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

16. Well developed by: Name (first, last) and Firm
First Name: David Last Name: Casper
Firm: Badger Laboratories and Engineering Inc.

17. Additional comments on development:
Well recharges very slowly per water level indicator. Too slowly to continuously bail, but does not go dry.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: JP Last Name: Hammerton
Facility/Firm: Albany International
Street: 3601 Electric City Blvd.
City/State/Zip: Kaukauna WI 54130-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: David J Casper
Print Name: _____
Firm: Badger Laboratories and Engineering Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

Soil Boring Logs

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment [x] Other ☐ _____

Page 1 of _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Appleton Wire - Former Albany Internatio		GP-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Tony Last Name: Kapugi Firm: On-Site Environmental	5/13/2014 (m m d d y y y y)	5/13/2014 (m m d d y y y y)	vibratory

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	768.7 Feet MSL	2 inches

Local Grid Origin [x] (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
SW 1/4 of NW 1/4 of Section 25, T 21 N, R 17 E

Lat 44° 16' 9.3"
Long 88° 23' 43.0"

Local Grid Location
56.5 Feet ☐ S 123.9 Feet [x] W [x] N ☐ E

Facility ID	County	County Code	Civil Town/City/ or Village
445035910	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60/0			0.0 - 5.0 No recovery										
2	60/60			5.0 - 6.0 Coarse sand/gravel from 5.5 to 6'	GP									
				6.0 - 10.0 Red/brown clay stiff, dense with at 8-10" and 9'-8"	OH									
3	60/60			10.0 - 15.0 Red/brown clay, stiff, dense moist at 14'	OH									
4	60/60			15.0 - 20.0 Red/brown clay, stiff, dense. Wet with some gravel at 18'-7" EOB	OH									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
David Kasper	Badger Laboratories and Engineering, Inc.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment [x] Other ☐ _____

Page 1 of _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Appleton Wire - Former Albany Internatio		GP-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Tony Last Name: Kapugi Firm: On-Site Environmental	5/13/2014 (m m d d y y y y)	5/13/2014 (m m d d y y y y)	vibratory

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	768.7 Feet MSL	2 inches

Local Grid Origin [x] (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
SW 1/4 of NW 1/4 of Section 25, T 21 N, R 17 E
Lat 44° 16' 9.3" Long 88° 23' 43.0"
Local Grid Location [x] N ☐ E 51.5 Feet ☐ S 94.7 Feet [x] W

Facility ID	County	County Code	Civil Town/City/ or Village
445035910	OUTAGAMIE	45	Appleton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60/32		0.0 - 0.5	Concrete										
			0.5 - 1.25	Dark brown to black sand/gravel fill with black organic soil from 6-15"	FI									
			1.25 - 5.0	Red/brown clay, stiff, dense	OH									
2	60/60		5.0 - 10.0	Red/brown clay, stiff, dense to 8.5' Large gravel @ 7'-6" to 7'-8" Wet at 8.5' EOB	OH									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
David J Cosper	Badger Laboratories and Engineering, Inc.

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment [x] Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Appleton Wire - Former Albany Internatio		GP-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Tony Last Name: Kapugi Firm: On-Site Environmental	5/13/2014	5/13/2014	vibratory

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	768.7 Feet MSL	2 inches

Local Grid Origin [x] (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
SW 1/4 of NW 1/4 of Section 25, T 21 N, R 17 E

Lat 44° 16' 9.3" Long 88° 23' 43.0"

Local Grid Location
67.33 Feet ☐ S [x] N 70 Feet [x] W ☐ E

Facility ID	County	County Code	Civil Town/City/ or Village
445035910	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60/40		0.0 - 0.5	Concrete	CO									
			0.5 - 1.25	Dark organic wet material (wood or deteriorated charcoal)	CG									
			1.25 - 5.0	3" thick sand/gravel layer above red/brown clay, stiff, dense	OH									
2	60/60		5.0 - 10.0	Wet at 5'- 5'6" sand/gravel seam. Then Red/brown clay, stiff, dense and dry to 10'	OH									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
David J Casper	Badger Laboratories and Engineering, Inc.

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment [x] Other ☐ _____

Page 1 of _____

Facility/Project Name: Appleton Wire - Former Albany Internatio	License/Permit/Monitoring Number	Boring Number: GP-6
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Tony Last Name: Kapugi Firm: On-Site Environmental	Date Drilling Started: 5/13/2014 (m m d d y y y y)	Date Drilling Completed: 5/13/2014 (m m d d y y y y) Drilling Method: vibratory
WI Unique Well No. _ _ _ _ _ _ _	DNR Well ID No. _ _ _ _	Well Name
Final Static Water Level: _____ Feet MSL	Surface Elevation: 768.7 Feet MSL	Borehole Diameter: 2 inches
Local Grid Origin [x] (estimated: ☐) or Boring Location ☐ State Plane _____ N, _____ E SW 1/4 of NW 1/4 of Section 25, T 21 N, R 17 E	Lat 44° 16' 9.3" Long 88° 23' 44.0"	Local Grid Location 61.5 Feet ☐ S 8.5 Feet [x] W [x] N ☐ E
Facility ID: 445035910	County: OUTAGAMIE	County Code: 45
Civil Town/City/ or Village: Appleton		

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60/60		0.0 - 0.5	Concrete	CO									
			0.5 - 1.0	Fill	FI									
			1.0 - 5.0	Red/brown clay stiff, dense	OH									
2			5.0 - 10.0	Same as above	OH									
3			10.0 - 15.0	Same as above	OH									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: David J Cosper Firm: Badger Laboratories and Engineering, Inc.

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment [x] Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Appleton Wire - Former Albany Internatio		GP-7

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Tony Last Name: Kapugi Firm: On-Site Environmental	5/12/2014	5/12/2014	vibratory

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	769.2 Feet MSL	2 inches

Local Grid Origin [x] (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
SW 1/4 of NW 1/4 of Section 25, T 21 N, R 17 E

Lat 44° 16' 9.3"
Long 88° 23' 43.0"

Local Grid Location
28.8 Feet ☐ S [x] N 127 Feet [x] W ☐ E

Facility ID	County	County Code	Civil Town/City/ or Village
445035910	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60/48		0.0 - 1.0	Concrete (ramp)	CO									
			1.0 - 1.7	Dark stained fill Slightly wet	FI									
			1.7 - 5.0	Red/brown very stiff dense clay Slightly moist @ 4'	OH									
2	60/60		5.0 - 9.6	Same as above with trace gravel	OH									
			9.6 - 10.0	Same as above with large gravel										
3	60/12		10.0 - 15.0	Same as above. Assumed a small rock was push down blocking sampler	OH OH									
4	60		15.0 - 20.0	Red/brown very stiff dense clay	OH									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
David J. Casper	Badger Laboratories and Engineering, Inc.

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment [x] Other ☐ _____

Page 1 of _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Appleton Wire - Former Albany Internatio		GP-8

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Tony Last Name: Kapugi Firm: On-Site Environmental	5/12/2014 (m m d d y y y y)	5/12/2014 (m m d d y y y y)	vibratory

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	768.7 Feet MSL	2 inches

Local Grid Origin [x] (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
SW 1/4 of NW 1/4 of Section 25, T 21 N, R 17 E

Lat 44° 16' 9.3"
Long 88° 23' 43.0"

Local Grid Location
15.8 Feet ☐ S [x] N 103.25 Feet [x] W ☐ E

Facility ID	County	County Code	Civil Town/City/ or Village
445035910	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60/48		0.0 - 0.5	Concrete	CO									
			0.5 - 0.85	Fill	FI									
			0.85 - 1.33	Dark stained sandy clay with medium gravel	SC OH									
			1.33 - 5.0	Red/brown very stiff dense clay with small gravel. Slightly moist @ 5'	OH									
2	60/60		5.0 - 10.0	Red/brown clay										
3	60/60		10.0 - 15.0	Same as above Moist at 13' EOB	OH									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
David J Casper	Badger Laboratories and Engineering, Inc.

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment [x] Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Appleton Wire - Former Albany Internatio		GP-9

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Tony Last Name: Kapugi Firm: On-Site Environmental	5/12/2014 (m m d d y y y y)	5/12/2014 (m m d d y y y y)	vibratory

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	768.7 Feet MSL	2 inches

Local Grid Origin [x] (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
SW 1/4 of NW 1/4 of Section 25, T 21 N, R 17 E

Lat 44° 16' 9.3"
Long 88° 23' 43.0"

Local Grid Location
30.7 Feet ☐ S 75.5 Feet [x] W
[x] N ☐ E

Facility ID	County	County Code	Civil Town/City/ or Village
445035910	OUTAGAMIE	45	Appleton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60/36			0.0 - 0.5 Concrete	CO									
				0.5 - 1.0 Sand fill	FI									
				1.0 - 1.3 Dark dry sandy clay	SC									
				1.3 - 1.8 Red/brown clay with dispersed black gravel	CL OH									
2	60/60			1.8 - 10.0 Red/brown clay very stiff, dense										
3	60/60			10.0 - 15.0 Same as above. Single large stone at 14'-8"	OH									
4	60/60			15.0 - 20.0 Same as above. Saturated at 20' EOB	OH									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
David J Casper	Badger Laboratories and Engineering, Inc.

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment [x] Other ☐ _____

Page 1 of _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Appleton Wire - Former Albany Internatio		GP-10

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Tony Last Name: Kapugi Firm: On-Site Environmental	5/12/2014 (m m d d y y y y)	5/12/2014 (m m d d y y y y)	vibratory

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	768.7 Feet MSL	2 inches

Local Grid Origin [x] (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
SW 1/4 of NW 1/4 of Section 25, T 21 N, R 17 E

Lat 44° 16' 9.3"
Long 88° 23' 43.0"

Local Grid Location
10 Feet ☐ S 67 Feet [x] W [x] N ☐ E

Facility ID	County	County Code	Civil Town/City/ or Village
445035910	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60/60		0.0 - 0.5	Concrete floor	CO									
	60/60		0.5 - 0.83	Dark stained med/lg gravel & sand from 6-10"	GP									
			0.83 - 2.0	Red/brn sandy clay with small gravel	GC OH									
			2.0 - 3.0	2-3' as above than abrupt change to Red/brn very dense clay with mottles	OH									
			3.0 - 5.0	Red/brn plastic dense clay	GP CL									
2	60/60		5.0 - 7.0	Same as above dry										
			7.0 - 8.0	Large (3/8") gravel with med sand	OH									
			8.0 - 10.0	Red/brn clay with trace sand Moist										
3	60/60		10.0 - 15.0	Red/brn very stiff dense clay dry at 15' EOB										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
David J Capper	Badger Laboratories and Engineering, Inc.

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment [x] Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Appleton Wire - Former Albany Internatio		GP-11

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Tony Last Name: Kapugi Firm: On-Site Environmental	5/12/2014	5/12/2014	vibratory

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	768.7 Feet MSL	2 inches

Local Grid Origin [x] (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
SW 1/4 of NW 1/4 of Section 25, T 21 N, R 17 E

Lat 44° 16' 9.3"
Long 88° 23' 43.0"

Local Grid Location
21.1 Feet ☐ S [x] N 41.75 Feet [x] W ☐ E

Facility ID	County	County Code	Civil Town/City/ or Village
445035910	OUTAGAMIE	45	Appleton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60/60			0.0 - 0.42 Concrete 0-5"	CO									
				0.42 - 5.0 Sand	SW									
2	60/60			5.0 - 10.0 Sand wet at 8'	SW									
3	60/60			10.0 - 12.5 Large gravel from 12 -12.5 ft	GP									
				12.5 - 15.0 Brown plastic dense clay	OH									
4	60/60			15.0 - 20.0 Same as above EOB @15'	OH									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
David J Cooper	Badger Laboratories and Engineering, Inc.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment [x] Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Appleton Wire - Former Albany Internatio		GP-12

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Tony Last Name: Kapugi Firm: On-Site Environmental	5/12/2014 (m m d d y y y y)	5/12/2014 (m m d d y y y y)	vibratory

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	757.1 Feet MSL	2 inches

Local Grid Origin [x] (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
SW 1/4 of NW 1/4 of Section 25, T 21 N, R 17 E

Lat 44° 16' 9.3"
Long 88° 23' 43.0"

Local Grid Location
18.5 Feet ☐ S [x] N 35.33 Feet [x] W ☐ E

Facility ID	County	County Code	Civil Town/City/ or Village
445035910	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60/60		0.0 - 0.5	6" Concrete floor	CO									
			0.5 - 1.0	Sandy gravel/clay mix	GC									
			1.0 - 5.0	Dark brown/red clay, very stiff dense moist to wet	OH									
2	60/60		5.0 - 5.5	Large gravel (up to 3 mm) wet	GP									
			5.5 - 10.0	Brown/red clay, very stiff & dense Dry at 10'	OH									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
David J Casper	Badger Laboratories and Engineering, Inc.

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment [x] Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Appleton Wire - Former Albany Internatio	1	GP-13

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Tony Last Name: Kapugi Firm: On-Site Environmental	5/12/2014	5/12/2014	vibratory

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	757.09 Feet MSL	2 inches

Local Grid Origin [x] (estimated: [x]) or Boring Location ☐
State Plane _____ N, _____ E
SW 1/4 of NW 1/4 of Section 25, T 21 N, R 17 E

Lat 44° 16' 9.3"
Long 88° 23' 43.0"

Local Grid Location
24 Feet ☐ S [x] N 16.4 Feet [x] W ☐ E

Facility ID	County	County Code	Civil Town/City/ or Village
445035910	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60/30			0.0 - 0.58 Concrete floor	CO									
				0.58 - 5.0 Wood at 20 " Red/brown clay, very stiff wet @ 20" below floor	OH									
2	60/60			5.0 - 11.0 Red/brown very clay very stiff satureated										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
David J Gaffey	Badger Laboratories and Engineering, Inc.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Boring Abandonment Forms

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to:
☐ Drinking Water ☐ Watershed/Wastewater [X] Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
OUTAGAMIE	___ ___ ___GP1___	

Latitude / Longitude (Degrees and Minutes) — Method Code (see instructions)
44 ___ • 16.155 ___ ___ ___ 'N
88 ___ • 23.71 ___ ___ ___ 'W — GPS007

¼ / ¼	¼	Section	Township	Range	
SW	NW	25	21 N	17	[X] E ☐ W

or Gov't Lot #

Well Street Address: 908 N. Lawe Street

Well City, Village or Town	Well ZIP Code
Appleton	54911-

Subdivision Name	Lot #
Harriman's Lawsburg Plat	11

Reason For Removal From Service	WI Unique Well # of Replacement Well
Sampling completed	___ ___ ___ ___ ___

2. Facility / Owner Information

Facility Name: Appleton Wire-Former Albany In
Facility ID (FID or PWS): 445035910
License/Permit/Monitoring #:
Original Well Owner: Albany International
Present Well Owner: Albany International
Mailing Address of Present Owner: 3601 Electric City Blvd.

City of Present Owner	State	ZIP Code
Kaukauna	WI	54130-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/13/2014
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (specify): Vibratory push sampler

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
20	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes [X] No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	5

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	[X] Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	[X] No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	[X] N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
[X] Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
[X] Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
[X] Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Sacks Sealant	
Concrete	Surface	0.5		
Granular bentonite	0.5	20	0.75	

6. Comments

Push probe soil sample boring and temp well abandonment

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
David Casper-Badger Labs & Engineering Inc		5/13/2014

Street or Route	Telephone Number
501 W. Bell Street	(920) 729-1100

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Neenah	WI	54956-	David J. Casper	7/5/2016

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08) Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

Route to:
☐ Drinking Water ☐ Watershed/Wastewater [X] Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
OUTAGAMIE	GP2	

Latitude / Longitude (Degrees and Minutes): 44 • 16.155 'N; 88 • 23.71 'W
Method Code (see instructions): GPS007

¼ / ¼	¼	Section	Township	Range
SW	NW	25	21 N	17 [X] E ☐ W

or Gov't Lot #

Well Street Address: 908 N. Lawe Street

Well City, Village or Town	Well ZIP Code
Appleton	54911-

Subdivision Name	Lot #
Harriman's Lawsburg Plat	11

Reason For Removal From Service	WI Unique Well # of Replacement Well
Sampling completed	

2. Facility / Owner Information

Facility Name: Appleton Wire-Former Albany In
Facility ID (FID or PWS): 445035910
License/Permit/Monitoring #:
Original Well Owner: Albany International
Present Well Owner: Albany International
Mailing Address of Present Owner: 3601 Electric City Blvd

City of Present Owner	State	ZIP Code
Kaukauna	WI	54130-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/13/2014
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (specify): Vibratory push sampler

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
10	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes [X] No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	[X] N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
[X] Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry
[X] Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
[X] Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)		
Concrete	Surface	0.5	1 Sacks Sealant	
Granular bentonite	0.5	10	0.33	

6. Comments

Push probe soil sample boring abandonment

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
David Casper-Badger Labs & Engineering Inc		5/13/2014

Street or Route	Telephone Number
501 W. Bell Street	(920) 729-1100

City	State	ZIP Code
Neenay	WI	54956-

Signature of Person Doing Work: David J. Casper — David J Casper
Date Signed: 7/5/2016

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

Route to: ☐ Drinking Water ☐ Watershed/Wastewater [X] Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	Wi Unique Well # of Removed Well	Hicap #
OUTAGAMIE	___ ___ ___GP3___	

Latitude / Longitude (Degrees and Minutes)	Method Code (see instructions)
44 ___ • 16.155 ___ ___ ___ 'N	
88 ___ • 23.7 ___ ___ ___ ___ 'W	GPS007 ___ ___ ___

¼ / ¼	¼	Section	Township	Range	
SW	NW	25	21 N	17	[X] E ☐ W

or Gov't Lot #

Well Street Address: 908 N. Lawe Street

Well City, Village or Town	Well ZIP Code
Appleton	54911-

Subdivision Name	Lot #
Harriman's Lawsbug Plat	11

Reason For Removal From Service	Wi Unique Well # of Replacement Well
Sampling completed	___ ___ ___ ___ ___

2. Facility / Owner Information

Facility Name: Appleton Wire-Former Albany In

Facility ID (FID or PWS): 445350910

License/Permit/Monitoring #:

Original Well Owner: Albany International

Present Well Owner: Albany International

Mailing Address of Present Owner: 3601 Electric City Blvd.

City of Present Owner	State	ZIP Code
Kaukauna	WI	54130-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well [X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/13/2014

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug [X] Other (specify): Vibratory push sampler

Formation Type: [X] Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
10	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes [X] No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	[X] N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped [X] Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials: ☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " " [X] Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☐ Bentonite Chips ☐ Bentonite - Cement Grout [X] Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Sacks Sealant	
Concrete	Surface	0.5		
Granular bentonite	0.5	10	0.33	

6. Comments

Push probe soil sample boring abandonment

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
David Casper-Badger Labs & Engineering Inc		5/13/2014

Street or Route	Telephone Number
501 W Bell Street	(920) 729-1100

City	State	ZIP Code
Neenah	WI	54956-

Signature of Person Doing Work: David J. Casper

Date Signed: 7/5/2016

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

Route to:
☐ Drinking Water ☐ Watershed/Wastewater [X] Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
OUTAGAMIE	GP7	

Latitude / Longitude (Degrees and Minutes)	Method Code (see instructions)
44 ° 16.155 ' N	
88 ° 23.71 ' W	GPS007

¼ / ¼	¼	Section	Township	Range	
SW	NW	25	21 N	17	[X] E ☐ W

or Gov't Lot #

Well Street Address: 908 N. Lawe Street

Well City, Village or Town	Well ZIP Code
Appleton	54911-

Subdivision Name	Lot #
Harriman's Lawsburg Plat	11

Reason For Removal From Service	WI Unique Well # of Replacement Well
Sampling completed	

2. Facility / Owner Information

Facility Name: Appleton Wire-Former Albany In

Facility ID (FID or PWS): 445035910

License/Permit/Monitoring #:

Original Well Owner: Albany International

Present Well Owner: Albany International

Mailing Address of Present Owner: 3601 Electric City Blvd.

City of Present Owner	State	ZIP Code
Kaukauna	WI	54130-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/12/2014

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify): Vibratory push sampler

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
20	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes [X] No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	4.06

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	[X] Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	[X] No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	[X] N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
[X] Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
[X] Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
[X] Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Sacks Sealant	
Concrete	Surface	0.7		
Granular bentonite	0.7	20	0.75	

6. Comments

Push probe and temp well abandonment Temp well removed completely

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
David Casper-Badger Labs & Engineering Inc		5/13/2014

Street or Route	Telephone Number
501 W. Bell Street	(920) 729-1100

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Neenah	WI	54956-	David J. Casper	7/5/2016

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

Route to: ☐ Drinking Water ☐ Waste Management ☐ Watershed/Wastewater ☐ Other: [X] Remediation/Redevelopment

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
OUTAGAMIE	GP8	

Latitude / Longitude (Degrees and Minutes): 44 • 16.155 'N; 88 • 23.71 'W

Method Code (see instructions): GPS007

¼ / ¼	¼	Section	Township	Range	
SW	NW	25	21 N	17	[X] E ☐ W

or Gov't Lot #

Well Street Address: 908 N. Lawe Street

Well City, Village or Town: Appleton

Well ZIP Code: 54911-

Subdivision Name: Harriman's Lawsburg Plat

Lot #: 11

Reason For Removal From Service: Sampling completed

WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Appleton Wire-Former Albany In

Facility ID (FID or PWS): 445035910

License/Permit/Monitoring #:

Original Well Owner: Albany International

Present Well Owner: Albany International

Mailing Address of Present Owner: 3601 Electric City Blvd.

City of Present Owner: Kaukauna

State: WI

ZIP Code: 54130-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/12/2014

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (specify): Vibratory push sampler

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 15

Casing Diameter (in.):

Lower Drillhole Diameter (in.): 2

Casing Depth (ft.):

Was well annular space grouted? ☐ Yes [X] No ☐ Unknown

If yes, to what depth (feet)?

Depth to Water (feet):

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	[X] N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
[X] Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
[X] Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
[X] Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Sacks Sealant	
Concrete	Surface	0.5		
Granular Bentonite	0.5	15	0.5	

6. Comments

Push probe soil sample boring abandonment

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
David Casper-Badger Labs & Engineering Inc		5/12/2014

Street or Route: 501 W. Belll Street

Telephone Number: (920) 729-1100

City: Neenah

State: WI

ZIP Code: 54956-

Signature of Person Doing Work: David J. Casper

Date Signed: 7/5/2016

DNR Use Only

Date Received:

Noted By:

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

Route to: ☐ Drinking Water ☐ Watershed/Wastewater [X] Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
OUTAGAMIE	___ ___ ___GP9___	

Latitude / Longitude (Degrees and Minutes) | Method Code (see instructions)

44 ° 16.155 ___ ___ ___ 'N

88 ° 23.71 ___ ___ ___ 'W | GPS007

¼ / ¼	¼	Section	Township	Range	
SW	NW	25	21 N	17	[X] E ☐ W

or Gov't Lot #

Well Street Address: 908 N. Lawe Street

Well City, Village or Town	Well ZIP Code
Appleton	54911-

Subdivision Name	Lot #
Harriman's Lawsburg Plat	11

Reason For Removal From Service	WI Unique Well # of Replacement Well
Sampling completed	___ ___ ___ ___ ___

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well [X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/12/2014

If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled ☐ Driven (Sandpoint) ☐ Dug [X] Other (specify): Vibratory push sampler

Formation Type:

[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
20	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes [X] No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

2. Facility / Owner Information

Facility Name: Appleton Wire-Former Albany In

Facility ID (FID or PWS): 445035910

License/Permit/Monitoring #:

Original Well Owner: Albany International

Present Well Owner: Albany International

Mailing Address of Present Owner: 3601 Electric City Blvd.

City of Present Owner	State	ZIP Code
Kaukauna	WI	54130-

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	☐ Yes	☐ No	[X] N/A
Did material settle after 24 hours?	☐ Yes	☐ No	[X] N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped [X] Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials

☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry
[X] Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☐ Bentonite Chips ☐ Bentonite - Cement Grout
[X] Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Sacks Sealant	
Concrete	Surface	0.5		
Granular Bentonite	0.5	20	0.75	

6. Comments

Push probe soil sample boring abandonment

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Da		5/12/2014

Street or Route	Telephone Number
501 W. Bell Street	(920) 729-1100

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Neenah	WI	54956-	David J. Casper	7/5/2016

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

Route to: ☐ Drinking Water ☐ Waste Management ☐ Watershed/Wastewater ☐ Other: [X] Remediation/Redevelopment

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
OUTAGAMIE	GP8	

Latitude / Longitude (Degrees and Minutes): 44 • 16.155 'N; 88 • 23.71 'W

Method Code (see instructions): GPS007

¼ / ¼	¼	Section	Township	Range	
SW	NW	25	21 N	17	[X] E ☐ W

or Gov't Lot #

Well Street Address: 908 N. Lawe Street

Well City, Village or Town: Appleton

Well ZIP Code: 54911-

Subdivision Name: Harriman's Lawsburg Plat

Lot #: 11

Reason For Removal From Service: Sampling completed

WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Appleton Wire-Former Albany In

Facility ID (FID or PWS): 445035910

License/Permit/Monitoring #:

Original Well Owner: Albany International

Present Well Owner: Albany International

Mailing Address of Present Owner: 3601 Electric City Blvd.

City of Present Owner: Kaukauna

State: WI

ZIP Code: 54130-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/12/2014

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (specify): Vibratory push sampler

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 15

Casing Diameter (in.):

Lower Drillhole Diameter (in.): 2

Casing Depth (ft.):

Was well annular space grouted? ☐ Yes [X] No ☐ Unknown

If yes, to what depth (feet)?

Depth to Water (feet):

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	[X] N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
[X] Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
[X] Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
[X] Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Sacks Sealant	
Concrete	Surface	0.5		
Granular Bentonite	0.5	15	0.5	

6. Comments

Push probe soil sample boring abandonment

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
David Casper-Badger Labs & Engineering Inc		5/12/2014

Street or Route: 501 W. Belll Street

Telephone Number: (920) 729-1100

City: Neenah

State: WI

ZIP Code: 54956-

Signature of Person Doing Work: David J. Casper

Date Signed: 7/5/2016

DNR Use Only

Date Received:

Noted By:

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

Route to: ☐ Drinking Water ☐ Waste Management ☐ Watershed/Wastewater ☐ Other: [X] Remediation/Redevelopment

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
OUTAGAMIE	GP8	

Latitude / Longitude (Degrees and Minutes): 44 • 16.155 'N; 88 • 23.71 'W

Method Code (see instructions): GPS007

¼ / ¼	¼	Section	Township	Range	
SW	NW	25	21 N	17	[X] E ☐ W

or Gov't Lot #

Well Street Address: 908 N. Lawe Street

Well City, Village or Town: Appleton

Well ZIP Code: 54911-

Subdivision Name: Harriman's Lawsburg Plat

Lot #: 11

Reason For Removal From Service: Sampling completed

WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Appleton Wire-Former Albany In

Facility ID (FID or PWS): 445035910

License/Permit/Monitoring #:

Original Well Owner: Albany International

Present Well Owner: Albany International

Mailing Address of Present Owner: 3601 Electric City Blvd.

City of Present Owner: Kaukauna

State: WI

ZIP Code: 54130-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/12/2014

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (specify): Vibratory push sampler

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 15

Casing Diameter (in.):

Lower Drillhole Diameter (in.): 2

Casing Depth (ft.):

Was well annular space grouted? ☐ Yes [X] No ☐ Unknown

If yes, to what depth (feet)?

Depth to Water (feet):

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	[X] N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
[X] Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
[X] Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
[X] Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Sacks Sealant	
Concrete	Surface	0.5		
Granular Bentonite	0.5	15	0.5	

6. Comments

Push probe soil sample boring abandonment

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
David Casper-Badger Labs & Engineering Inc		5/12/2014

Street or Route: 501 W. Belll Street

Telephone Number: (920) 729-1100

City: Neenah

State: WI

ZIP Code: 54956-

Signature of Person Doing Work: David J. Casper

Date Signed: 7/5/2016

DNR Use Only

Date Received:

Noted By:

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

Route to: ☐ Drinking Water ☐ Watershed/Wastewater [X] Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
OUTAGAMIE	___ ___ ___GP9___	

Latitude / Longitude (Degrees and Minutes) | Method Code (see instructions)

44 ° 16.155 ___ ___ ___ 'N

88 ° 23.71 ___ ___ ___ 'W | GPS007

¼ / ¼	¼	Section	Township	Range	
SW	NW	25	21 N	17	[X] E ☐ W

or Gov't Lot #

Well Street Address: 908 N. Lawe Street

Well City, Village or Town	Well ZIP Code
Appleton	54911-

Subdivision Name	Lot #
Harriman's Lawsburg Plat	11

Reason For Removal From Service	WI Unique Well # of Replacement Well
Sampling completed	___ ___ ___ ___ ___

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well [X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/12/2014

If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled ☐ Driven (Sandpoint) ☐ Dug [X] Other (specify): Vibratory push sampler

Formation Type:

[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
20	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes [X] No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

2. Facility / Owner Information

Facility Name: Appleton Wire-Former Albany In

Facility ID (FID or PWS): 445035910

License/Permit/Monitoring #:

Original Well Owner: Albany International

Present Well Owner: Albany International

Mailing Address of Present Owner: 3601 Electric City Blvd.

City of Present Owner	State	ZIP Code
Kaukauna	WI	54130-

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	☐ Yes	☐ No	[X] N/A
Did material settle after 24 hours?	☐ Yes	☐ No	[X] N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped [X] Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials

☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry
[X] Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☐ Bentonite Chips ☐ Bentonite - Cement Grout
[X] Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Sacks Sealant	
Concrete	Surface	0.5		
Granular Bentonite	0.5	20	0.75	

6. Comments

Push probe soil sample boring abandonment

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Da		5/12/2014

Street or Route	Telephone Number
501 W. Bell Street	(920) 729-1100

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Neenah	WI	54956-	David J. Casper	7/5/2016

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08) Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
OUTAGAMIE	___ ___ ___GP10__	

Latitude / Longitude (Degrees and Minutes)	Method Code (see instructions)
44 ___ • 16.155 ___ ___ ___ 'N	
88 ___ • 23.71 ___ ___ ___ 'W	GPS007 ___ ___ ___

¼ / ¼	¼	Section	Township	Range	
SW	NW	25	21 N	17	[X] E ☐ W

or Gov't Lot #

Well Street Address: 908 N. Lawe Street

Well City, Village or Town	Well ZIP Code
Appleton	54911-

Subdivision Name	Lot #
Harriman's Lawsburg Plat	11

Reason For Removal From Service	WI Unique Well # of Replacement Well
Sampling completed	___ ___ ___ ___ ___

2. Facility / Owner Information

Facility Name: Appleton Wire-Former Alban Int

Facility ID (FID or PWS): 445035910

License/Permit/Monitoring #:

Original Well Owner: Albany International

Present Well Owner: Albany International

Mailing Address of Present Owner: 3601 Electric City Blvd.

City of Present Owner	State	ZIP Code
Kaukauna	WI	54130-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well [X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/12/2014

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug [X] Other (specify): Vibratory push sampler

Formation Type: [X] Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
15	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes [X] No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	☐ Yes	☐ No	[X] N/A
Did material settle after 24 hours?	☐ Yes	☐ No	[X] N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped [X] Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials: ☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " " [X] Concrete [X] Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☐ Bentonite Chips ☐ Bentonite - Cement Grout [X] Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Sacks Sealant	
Concrete	Surface	0.5		
Bentonite granules	0.5	15	0.5	

6. Comments

Push probe soil sample boring abandonment

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
David Casper-Badger Labs & Engineering Inc.		5/12/2014

Street or Route	Telephone Number
501 W. Bell Street	(920) 729-1100

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Neenah	WI	54956-	David J. Casper	7/5/2016

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ Verification Only of Fill and Seal

Route to: ☐ Drinking Water ☐ Watershed/Wastewater [X] Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
OUTAGAMIE	___ ___ ___GP9___	

Latitude / Longitude (Degrees and Minutes) | Method Code (see instructions)

44 ° 16.155 ___ ___ ___ 'N

88 ° 23.71 ___ ___ ___ 'W | GPS007

¼ / ¼	¼	Section	Township	Range	
SW	NW	25	21 N	17	[X] E ☐ W

or Gov't Lot #

Well Street Address: 908 N. Lawe Street

Well City, Village or Town	Well ZIP Code
Appleton	54911-

Subdivision Name	Lot #
Harriman's Lawsburg Plat	11

Reason For Removal From Service	WI Unique Well # of Replacement Well
Sampling completed	___ ___ ___ ___ ___

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well [X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/12/2014

If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled ☐ Driven (Sandpoint) ☐ Dug [X] Other (specify): Vibratory push sampler

Formation Type:

[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
20	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes [X] No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

2. Facility / Owner Information

Facility Name: Appleton Wire-Former Albany In

Facility ID (FID or PWS): 445035910

License/Permit/Monitoring #:

Original Well Owner: Albany International

Present Well Owner: Albany International

Mailing Address of Present Owner: 3601 Electric City Blvd.

City of Present Owner	State	ZIP Code
Kaukauna	WI	54130-

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	☐ Yes	☐ No	[X] N/A
Did material settle after 24 hours?	☐ Yes	☐ No	[X] N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped [X] Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials

☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry
[X] Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☐ Bentonite Chips ☐ Bentonite - Cement Grout
[X] Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Sacks Sealant	
Concrete	Surface	0.5		
Granular Bentonite	0.5	20	0.75	

6. Comments

Push probe soil sample boring abandonment

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Da		5/12/2014

Street or Route	Telephone Number
501 W. Bell Street	(920) 729-1100

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Neenah	WI	54956-	David J. Casper	7/5/2016

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08) Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
OUTAGAMIE	___ ___ ___GP10__	

Latitude / Longitude (Degrees and Minutes)	Method Code (see instructions)
44 ___ • 16.155 ___ ___ ___ 'N	
88 ___ • 23.71 ___ ___ ___ 'W	GPS007 ___ ___ ___

¼ / ¼	¼	Section	Township	Range	
SW	NW	25	21 N	17	[X] E ☐ W

or Gov't Lot #

Well Street Address: 908 N. Lawe Street

Well City, Village or Town	Well ZIP Code
Appleton	54911-

Subdivision Name	Lot #
Harriman's Lawsburg Plat	11

Reason For Removal From Service	WI Unique Well # of Replacement Well
Sampling completed	___ ___ ___ ___ ___

2. Facility / Owner Information

Facility Name: Appleton Wire-Former Alban Int

Facility ID (FID or PWS): 445035910

License/Permit/Monitoring #:

Original Well Owner: Albany International

Present Well Owner: Albany International

Mailing Address of Present Owner: 3601 Electric City Blvd.

City of Present Owner	State	ZIP Code
Kaukauna	WI	54130-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well [X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/12/2014

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug [X] Other (specify): Vibratory push sampler

Formation Type: [X] Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
15	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes [X] No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	☐ Yes	☐ No	[X] N/A
Did material settle after 24 hours?	☐ Yes	☐ No	[X] N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped [X] Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials: ☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " " [X] Concrete [X] Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☐ Bentonite Chips ☐ Bentonite - Cement Grout [X] Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Sacks Sealant	
Concrete	Surface	0.5		
Bentonite granules	0.5	15	0.5	

6. Comments

Push probe soil sample boring abandonment

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
David Casper-Badger Labs & Engineering Inc.		5/12/2014

Street or Route	Telephone Number
501 W. Bell Street	(920) 729-1100

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Neenah	WI	54956-	David J. Casper	7/5/2016

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08) Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
OUTAGAMIE	___ ___ ___GP10__	

Latitude / Longitude (Degrees and Minutes)	Method Code (see instructions)
44 ___ • 16.155 ___ ___ ___ 'N	
88 ___ • 23.71 ___ ___ ___ 'W	GPS007 ___ ___ ___

¼ / ¼	¼	Section	Township	Range	
SW	NW	25	21 N	17	[X] E ☐ W

or Gov't Lot #

Well Street Address: 908 N. Lawe Street

Well City, Village or Town	Well ZIP Code
Appleton	54911-

Subdivision Name	Lot #
Harriman's Lawsburg Plat	11

Reason For Removal From Service	WI Unique Well # of Replacement Well
Sampling completed	___ ___ ___ ___ ___

2. Facility / Owner Information

Facility Name: Appleton Wire-Former Alban Int

Facility ID (FID or PWS): 445035910

License/Permit/Monitoring #:

Original Well Owner: Albany International

Present Well Owner: Albany International

Mailing Address of Present Owner: 3601 Electric City Blvd.

City of Present Owner	State	ZIP Code
Kaukauna	WI	54130-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well [X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/12/2014

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug [X] Other (specify): Vibratory push sampler

Formation Type: [X] Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
15	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes [X] No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	☐ Yes	☐ No	[X] N/A
Did material settle after 24 hours?	☐ Yes	☐ No	[X] N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped [X] Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials: ☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " " [X] Concrete [X] Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☐ Bentonite Chips ☐ Bentonite - Cement Grout [X] Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Sacks Sealant	
Concrete	Surface	0.5		
Bentonite granules	0.5	15	0.5	

6. Comments

Push probe soil sample boring abandonment

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
David Casper-Badger Labs & Engineering Inc.		5/12/2014

Street or Route	Telephone Number
501 W. Bell Street	(920) 729-1100

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Neenah	WI	54956-	David J. Casper	7/5/2016

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to:
☐ Drinking Water ☐ Watershed/Wastewater [X] Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Outagamie	GP11	

Latitude / Longitude (Degrees and Minutes): 44 • 16.155 'N; 88 • 23.71 'W
Method Code (see instructions): GPS007

¼ / ¼	¼	Section	Township	Range	
SW	NW	25	21 N	17	[X] E ☐ W

or Gov't Lot #

Well Street Address: 908 N. Lawe Street

Well City, Village or Town	Well ZIP Code
Appleton	54113-

Subdivision Name	Lot #
Harriman's Lawsburg Plat	11

Reason For Removal From Service	WI Unique Well # of Replacement Well
Sampling Completed	

2. Facility / Owner Information

Facility Name: Appleton Wire-Former Albany In
Facility ID (FID or PWS): 445035910
License/Permit/Monitoring #:
Original Well Owner: Albany International
Present Well Owner: Albany International
Mailing Address of Present Owner: 3601 Electric City Blvd.

City of Present Owner	State	ZIP Code
Kaukauna	WI	54130-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/12/2014
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (specify): Vibratory push sampler

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
20	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes [X] No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	☐ Yes	☐ No	[X] N/A
Did material settle after 24 hours?	☐ Yes	☐ No	[X] N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
[X] Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry
[X] Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
[X] Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Sacks Sealant	
Concrete	Surface	0.5		
Bentonite granules	0.5	20	0.75	

6. Comments

Push probe soil sample boring abandonment

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
David Casper, Badger Labs & Engineering Inc.		5/12/2014

Street or Route	Telephone Number
501 W. Bell Street	(920) 729-1100

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Neenah	WI	54956-	David J. Casper	7/5/2016

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ **Verification Only of Fill and Seal**

Route to:
☐ Drinking Water ☐ Watershed/Wastewater [X] Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Outagamie	GP12	

Latitude / Longitude (Degrees and Minutes)	Method Code (see instructions)
45 • 16.155 ' N	
88 • 23.71 ' W	GPS007

¼ / ¼	¼	Section	Township	Range	
SW	NW	25	21 N	17	[X] E ☐ W

or Gov't Lot #

Well Street Address: 908 N. Lawe Street

Well City, Village or Town	Well ZIP Code
Appleton WI	54911-

Subdivision Name	Lot #
Harriman's Lawsburg Plat	11

Reason For Removal From Service	WI Unique Well # of Replacement Well
Sampling completed	

2. Facility / Owner Information

Facility Name: Appleton Wire- Former Albany I

Facility ID (FID or PWS): 445035910

License/Permit/Monitoring #:

Original Well Owner: Albany International

Present Well Owner: Albany International

Mailing Address of Present Owner: 3601 Electric City Blvd.

City of Present Owner	State	ZIP Code
Kaukauna	WI	54130-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/12/2014

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (specify): Vibratory Push Sampler

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
10	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes [X] No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	☐ Yes	☐ No	[X] N/A
Did material settle after 24 hours?	☐ Yes	☐ No	[X] N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
[X] Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
[X] Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
[X] Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Sacks Sealant	
Concrete	Surface	0.5		
Bentonite granules	0.5	10	0.33	

6. Comments

Push probe soil sample boring abandonment

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
David Casper Badger Labs & Engineering Inc.		5/12/2014

Street or Route	Telephone Number
501 W. Bell Street	(920) 729-1100

City	State	ZIP Code
Neenah	WI	54956-

Signature of Person Doing Work: David J. Casper

Date Signed: 7/5/2016

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ **Verification Only of Fill and Seal**

Route to:
☐ Drinking Water ☐ Watershed/Wastewater [X] Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
OUTAGAMIE	___ ___ ___GP13__	

Latitude / Longitude (Degrees and Minutes)	Method Code (see instructions)
44 ___ • 16.155 ___ ___ ___ 'N	
88 ___ • 23.71 ___ ___ ___ 'W	GPS007 ___ ___ ___

¼ / ¼	¼	Section	Township	Range	
SW	NW	25	21 N	17	[X] E ☐ W
or Gov't Lot #					

Well Street Address: 908 N. Lawe Street

Well City, Village or Town	Well ZIP Code
Appleton Wisconsin	54911-

Subdivision Name	Lot #
Harrriman's Lawsburg Plat	11

Reason For Removal From Service	WI Unique Well # of Replacement Well
Sampling completed	___ ___ ___ ___ ___

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/12/2014

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (specify): Vibratory push sampler

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
11	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes [X] No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	6

2. Facility / Owner Information

Facility Name: Appleton Wire-Former Albany In

Facility ID (FID or PWS): 445035910

License/Permit/Monitoring #:

Original Well Owner: Albany International

Present Well Owner: Albany International

Mailing Address of Present Owner: 3601 Electric City Blvd.

City of Present Owner	State	ZIP Code
Kaukauna	Wi	54130-

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	[X] Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	[X] No	☐ N/A
Was casing cut off below surface?	☐ Yes	[X] No	☐ N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	[X] N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
[X] Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry
[X] Concrete [X] Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
[X] Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Sacks Sealant	
New concrete	Surface	0.5		
Bentonite granules	0.5	11	0.33	

6. Comments

Push probe soil boring abandonment and temp well removal

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
David Casper, Badger Laboratories & Eng. Inc		5/13/2014

Street or Route	Telephone Number
501 W Bell Street	(920) 729-1100

City	State	ZIP Code
Neenah	WI	54956-

Signature of Person Doing Work: David J. Casper — Date Signed: 7/5/2016

DNR Use Only

Date Received	Noted By

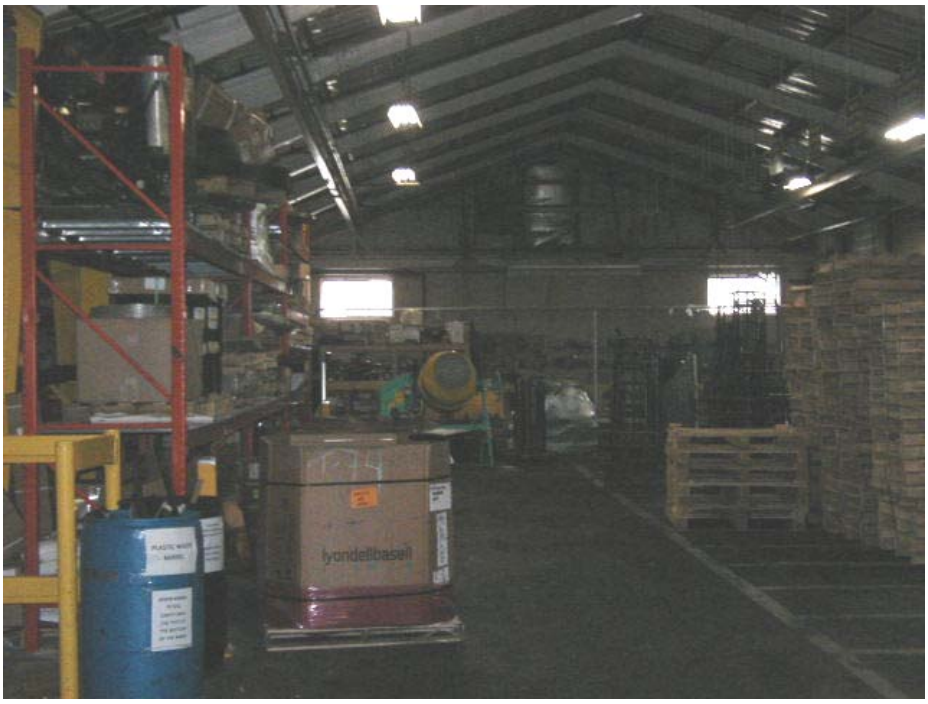
Comments:

Project Photos

Looking west on south side of warehouse at overhead door to manufacturing area. Chemical storage room on left. MW-21 & 21A installed just to lift of green machinery in background

Looking north along west wall of warehouse from overhead door at the north wall of the warehouse. Wall on left separates warehouse area from manufacturing

Looking west at wall that separates manufacturing area from warehouse. Wall at right is the south wall of chemical storage room. Door at left opens onto the parking lot area on the south of the warehouse



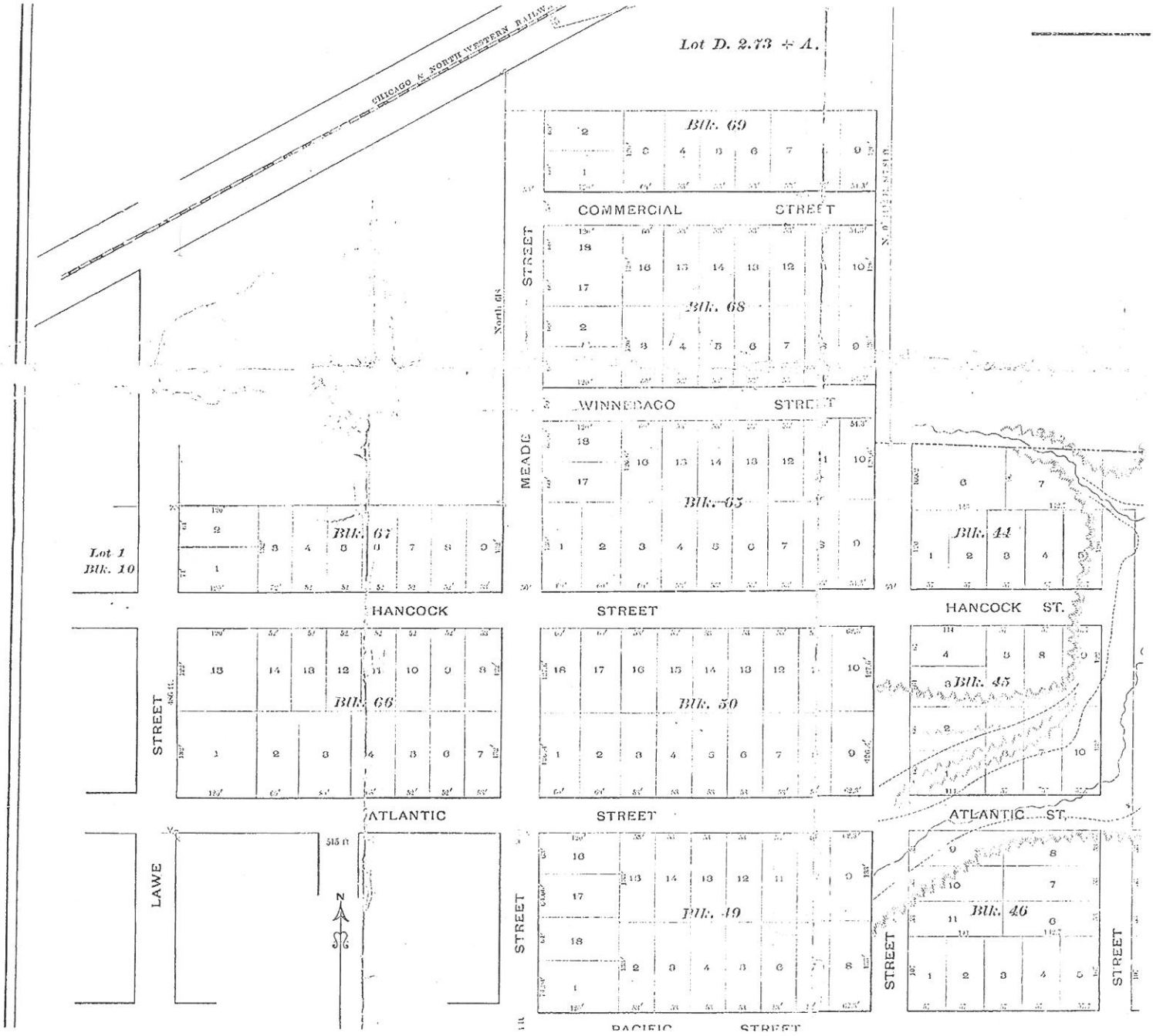
Looking east on south side of warehouse. Basement area fence is in background.

Looking east on north side of warehouse.

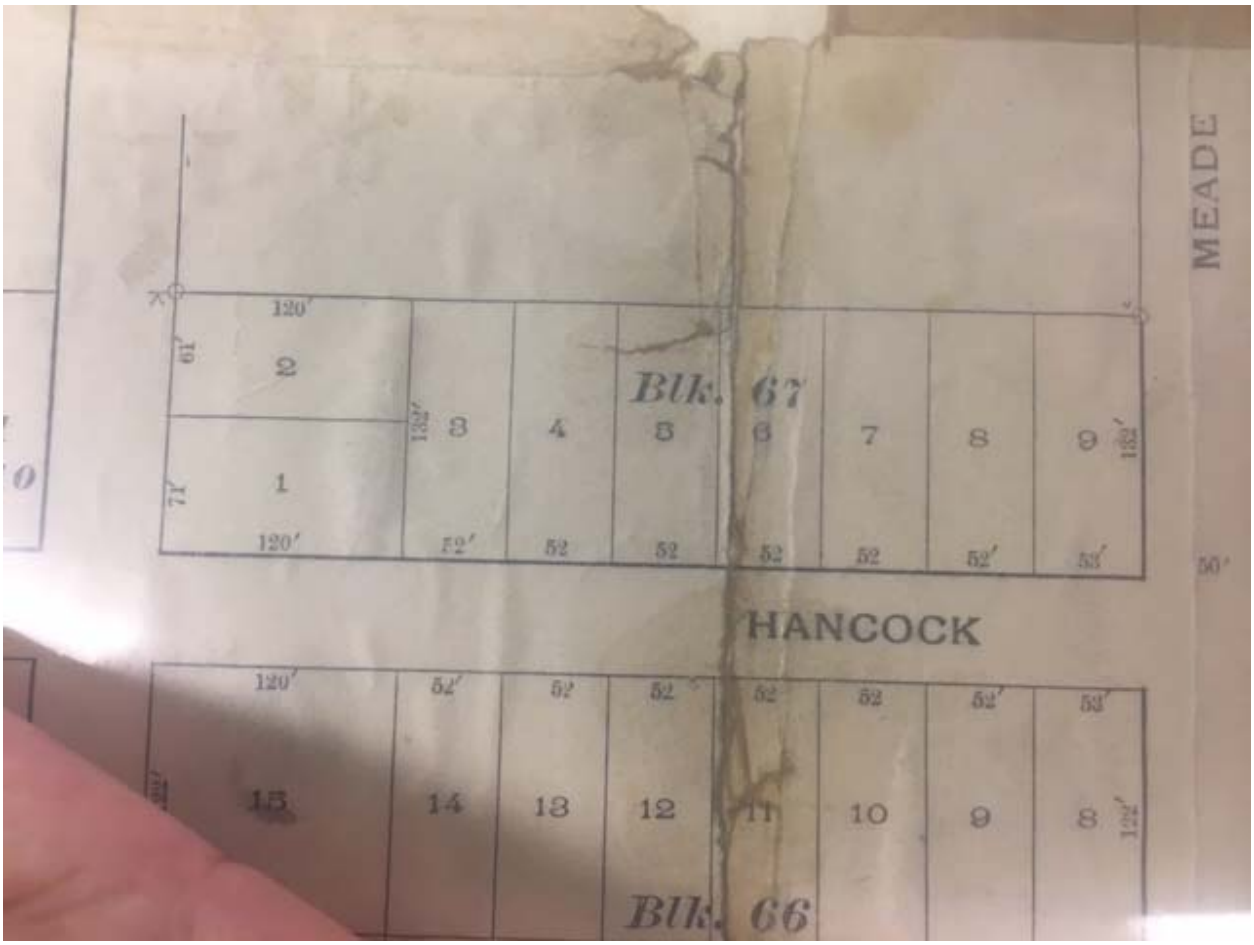
Geoprove rig positioned on groundfloor above basement

Basement floor penetrations were performed from above by passing push sampler through the opening in the floor

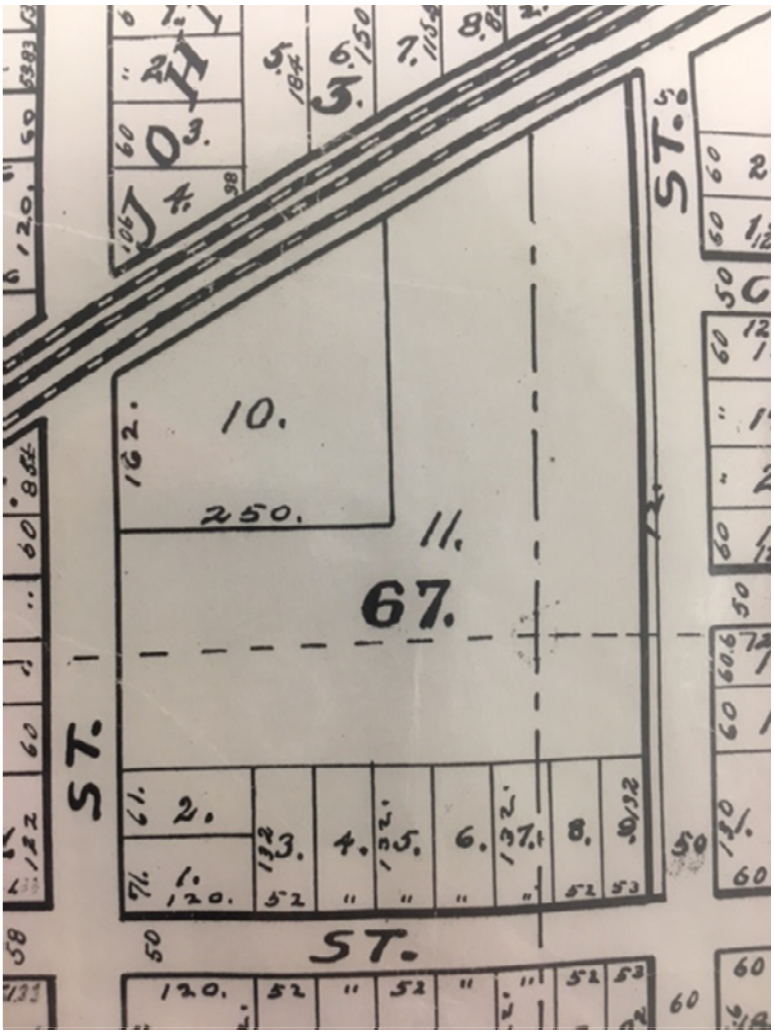
Property Ownership Documentation



1890 Plat Map of the area



C1890 Plat Map of Lots comprising the site



1907 Survey Map

DOCUMENT NO. 858279

STATE BAR OF WISCONSIN FORM 1 — 1982 (THIS SPACE RESERVED FOR RECORDING DATA)

WARRANTY DEED

J 5184 I 12

REGISTER'S OFFICE
OUTAGAMIE COUNTY, WI.
RECEIVED AND RECORDED ON

JAN 31 1985

AT 8:45 O'CLOCK A M.
IN JACKET 5184 IMAGE 12:13
Grace Hertzog
REGISTER OF DEEDS

RETURN TO:
E. F. Bush, Jr.
P.O. Box 359
Appleton, WI 54912

Tax Parcel No: .....

E
6.00
1800.00

This Deed, made between Albany International Corp., a New York Corporation, Grantor, and Appleton Papers Inc., a Delaware Corporation, Grantee,

Witnesseth, That the said Grantor, for a valuable consideration of $1.00 and other good and valuable consideration conveys to Grantee the following described real estate in Outagamie County, State of Wisconsin:

See back side for legal description.

TRANSFER
$ 1800.00
FEE

This is not homestead property.
(is) (is not)

Together with all and singular the hereditaments and appurtenances thereunto belonging;
And Albany International Corp. warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except for easements, covenants, restrictions and other matters of record, as well as municipal and zoning ordinances

and will warrant and defend the same.

Dated this 4th day of January, 19 85.

ALBANY INTERNATIONAL CORP.

By: Francis L. McKone (SEAL)
Francis L. McKone, President

By: John K. Gschwind (SEAL)
John K. Gschwind, Vice President

(SEAL)

(SEAL)

AUTHENTICATION

Signature(s) .....

authenticated this .....day of....., 19.....

TITLE: MEMBER STATE BAR OF WISCONSIN

(If not, authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY
Attorney Richard B. Schoenbohm
Appleton, Wisconsin

(Signatures may be authenticated or acknowledged. Both are not necessary.)

ACKNOWLEDGMENT

STATE OF ~~WISCONSIN~~ NEW YORK
Albany County. } ss.

Personally came before me this 4th day of January, 19 85 the above named Francis L. McKone, President of Albany International Corp.; and John K. Gschwind, Vice President of Albany International Corp.

to me known to be the person s who executed the foregoing instrument and acknowledge the same.

David C. Williams

Notary Public ..... County, Wis.
My Commission is permanent. (If not, state expiration date: .....)

DAVID C. WILLIAMS
Notary Public, State of New York
Residing in Albany County
My Commission Expires March 30, 1986

*Names of persons signing in any capacity should be typed or printed below their signatures.

WARRANTY DEED — STATE BAR OF WISCONSIN FORM No. 1 — 1982 — Wisconsin Legal Blank Co. Inc. Milwaukee, Wis.

J 5184 I 13

PARCEL 1

All that part of Lots Three (3), Four (4), Five (5), Six (6), Seven (7) and Eight (8), all of Lot Nine (9), Block Sixty-seven (67), HARRIMAN'S LAWSBURG PLAT, City of Appleton, according to the recorded Assessor's Map of said City, Outagamie County, Wisconsin, more fully described as follows: Commencing at the Southwest corner of Lot 1, of Block 67; thence S 89°21'40" E, along the South line of said Lot and Block 120.26 feet to the Southeast corner of Lot 1 and point of beginning; thence continuing S 89°21'40" E along the South line of said Block 67, 365.82 feet to the Southeast corner of Lot 9; thence N 00°48'05" E, along the East line of said Lot 9, 132.00 feet to the Northeast corner of said lot; thence N 89°21'40" W, along the North line of lots 9 and 8, 96.40 feet; thence S 00°48'05" W, 9.30 feet; thence N 89°21'40" W, 16.00 feet; thence S 00°48'05" W, 21.50 feet; thence N 89°21'40" W, 253.49 feet to a point on the east line of Lot 2; thence S 00°45'46" W, along the east line of Lots 2 and 1, 101.20 feet to the point of beginning.

Also the North ½ of Lot 15, Block 66, of Harriman's Lawsburg Plat, in the City of Appleton, Outagamie County, Wisconsin, according to the recorded Assessor's Map.

PARCEL 2

The East ½ of Lot One (1) of Block Sixty-seven (67) of HARRIMAN'S LAWSBURG PLAT, City of Appleton, Outagamie County, Wisconsin, according to the recorded Assessor's Map of said City, more fully described as follows: Commencing at the Southwest corner of Lot 1, Block 67; thence S 89°21'40" E, along the South line of said Lot and Block 60.13 feet to the point of beginning; thence N 00°45'17" E, 71.00 feet to a point on the North line of said Lot 1; thence S 89°21'40" E, along the said North line, 60.14 feet to the Northeast corner of said Lot 1; thence S 00°45'46" W, along the East line of said Lot 71.00 feet to the Southeast corner of said lot; thence N 89°21'40" W, along the South line of said Lot 1, 60.13 feet to the point of beginning.

J 5184 : 8

STATE BAR OF WISCONSIN FORM 3 — 1982

QUIT CLAIM DEED
AND
RELEASE OF RIGHTS AND REMEDIES

858277

REGISTER'S OFFICE
OUTAGAMIE COUNTY, WI.
RECEIVED AND RECORDED ON

JAN 31 1985

AT 8:45 O'CLOCK A M.
IN JACKET 5184 IMAGE 8-9
Grace Hark
REGISTER OF DEEDS

RETURN TO:
E. F. Bush, Jr.
P.O. Box 359
Appleton, WI 54912

11378

Albany International Corp., a New York Corporation, releases, and quit claims to Valleycast, Inc., a Wisconsin corporation, and its successors and assigns, any rights, remedies or interest it may have ~~quitclaims to~~ as a result of an Adjacent Property Owners Agreement, dated December 30, 1983, and recorded April 23, 1984, in the office of the Register of Deeds for Outagamie County, in Jacket 4559 at Image 5-23 as Document No. 843142, including any interest in

the following described real estate in Outagamie County, State of Wisconsin:

Tax Parcel No: .....

E/C 6.09 form

See reverse side for the Legal Description.

Separate easements have been executed and recorded pursuant to said Adjacent Property Owners Agreement; and all of the duties and obligations of the Grantee herein have been performed or otherwise discharged and satisfied. Therefore, this Quit Claim Deed is made to release any rights, remedies or interest of Grantor herein, its successors and assigns, may have as a result of said Adjacent Property Owners Agreement.

FEE
3
EXEMPT

This is not (is) (is not) homestead property.

Dated this 18th day of January, 19 85

ALBANY INTERNATIONAL CORP.

By: Manfred F. Kincaid (SEAL)
Manfred F. Kincaid, Vice President

By: David F. McConaughy (SEAL)
David F. McConaughy, Vice President

AUTHENTICATION

Signature(s) .....

authenticated this .....day of....., 19.....

TITLE: MEMBER STATE BAR OF WISCONSIN

(If not, authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY

Attorney Richard B. Schoenbohm
Appleton, Wisconsin

(Signatures may be authenticated or acknowledged. Both are not necessary.)

ACKNOWLEDGMENT

STATE OF ~~WISCONSIN~~ NEW YORK
ss.
Albany County.

Personally came before me this 18th day of January, 19 85 the above named Manfred F. Kincaid, Vice President, and David F. McConaughy, Vice President, of Albany International Corp.

to me known to be the person s who executed the foregoing instrument and acknowledge the same.

David S. Williams

Notary Public Albany Co., New York ~~Exp. XXXXXX~~
My Commission is permanent. (If not, state expiration date: March 30, 19 86)

(4)

J.5184 | 9

All that part of Lots Two (2), Three (3), Four (4), Five (5), Six (6), Seven (7), Eight (8), Ten (10) and Eleven (11), Block Sixty-seven (67), HARRIMAN'S LAWSBURG PLAT, City of Appleton, Outagamie County, Wisconsin, according to the recorded Assessors Map of said City more fully described as follows: Commencing at the Southwest corner of Lot 1 and Block 67; thence N00°44'43"E, along the west line of Lot 1 and Block 67, 71.00 feet to the Southwest corner of Lot 2, and the point of beginning; thence continuing N00°44'43"E, along the west line of Lots 2, 11, and 10 of said Block 67, 418.87 feet to the point of intersection of the west line of Lot 10 and the Southerly right-of-way line of the Chicago and Northwestern Railway Company; thence N61°14' 50"E, along the southerly line of said railroad, 201.06 feet to a point that lies 175.00 feet east of the west line of Lot 10, measured at right angles to the said west line; thence S00°44'43"W, parallel with the said west line of Lot 10, 161.00 feet; thence S89°15'17"E, 84.48 feet; thence S00°48'05"W, 121.00 ft.; thence S89°15'17"E, 227.00 feet to a point on the east line of Lot 11, Block 67; thence S00°48'05"W, along the said east line, 173.97 feet to the southeast corner of said Lot 11; thence N89°21'40"W, along the south line of said Lot 11, 96.40 feet; thence S00°48'05"W, 9.30 feet; thence N89°21'40"W, 16.00 feet; thence S00°48'05"W, 21.50 feet; thence N89°21'40"W, 253.49 feet to a point on the east line of Lot 2; thence S00°45'46"W, along the east line of Lot 2, 30.20 feet to the southeast corner of Lot 2; thence N89°21'40"W, along the south line of Lot 2, 120.28 feet to the point of beginning.

EE

TAX041DL/FTXRTA Tax Master Maintenance 2015 INQUIRY 7/21/16 14:19:45

Parcel# 311 114500 Municipality CITY OF APPLETON

Owners Name....: LUVATA APPLETON LLC
Mail to Name...: LUVATA APPLETON LLC
Line 2.....: PO BOX 1714
Line 3.....:
Line 4.....:
Line 5.....:
City.....: APPLETON
State/Zip.....: WI / 54912 - 1714
Property Street: 908 N LAWE ST
Property Muni..: CITY OF APPLETON
Prop State/Zip.: WI / 54912 - 1714
Sort/Search Address:
Street.....: LAWE ST
Dir/No.....: N 908 Acre: .00 Land: Imp:
Dir/No.....: Document #...:
Fire Sign.....: S/T/R.....:
Personal/Real..: R History.....:
Label Code: Addr: Alt. Key.....:
Legal: Assessed With:

Legal Description

HARRIMANS LAWSBURG PLA T 1WD LESS E75FT OF 107D541 OF LOT 10 LOT 11 LESS E227FT M/L OF N456FT M/L AS MEASURED ON E/L BLK 67 LOT 2 N30.8FT OF LOTS 3-6 N30.8FT OF W44.6FT OF LOT 7 N9.30FT OF E7.40FT LOT 7 N9.30FT

F3=Exit F4=Tax Info F6=Legal F7=Land Val F9=District F10=Notes
F15=Owners F16=Addresses F17=Streets F18=History F19=User Fields Rollup/Down

1273734

DOCUMENT NUMBER

WARRANTY DEED

Jewish Orthodox Beth Israel Congregation, formerly known as the Hebrew Orthodox Congregation of Appleton, Wisconsin, conveys and warrants to **Appleton Papers Inc.**, a Delaware corporation, the following described real estate in Outagamie County, Wisconsin:

The West Sixty (60) feet of Lot One (1), Block Sixty-seven (67), Harriman's Lawsburg Plat, City of Appleton, Outagamie County, Wisconsin, according to the recorded Assessors Plat of said City.

THIS IS NOT HOMESTEAD PROPERTY

TRANSFER
$ 75.00
FEE

OUTAGAMIE COUNTY
RECEIVED FOR RECORD

MAY 29 1998

AT 2 O'CLOCK P.M.
GRACE HERB
REGISTER OF DEEDS

THIS SPACE RESERVED FOR RECORDING DATA

NAME AND RETURN ADDRESS
Edwin F. Bush, II, Attorney at Law,
330 West College Ave., Third Floor
Appleton, WI 54911

31-1-1137-00-0
PARCEL IDENTIFICATION NUMBER

EXCEPTIONS TO WARRANTIES: Municipal and zoning ordinances and agreements entered under them, recorded easements for the distribution of utility and municipal services, recorded building and use restrictions and covenants, and general taxes levied in the year of closing..

Dated this 28 day of May, A.D., 1998

Jewish Orthodox Beth Israel Congregation
By: [signature] (SEAL)
Sydney S. Jacobson

By. _____ (SEAL)

AUTHENTICATION

Signature of Sydney S. Jacobson and _____ authenticated this 28th day of May, 1998.

[signature]
Edwin F. Bush, II, Member, State Bar of Wisconsin

ACKNOWLEDGMENT

State of Wisconsin,)
) ss.
Outagamie County.)

Personally came before me this ____ day of _____, 1998, the above named _____ and _____ to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

_____
Notary Public, _____ County, Wis.

My commission _____

This instrument was drafted by:
Edwin F. Bush, II, Attorney at Law (No. 01012991)
330 West College Avenue
Appleton, Wisconsin 54911
920-993-0760/Fax: 920-993-0761

Warranty Deed Property Transfer

Appleton Papers Inc. Property

City of Appleton Utilities Drawing Files

For Hancock and Meade Streets

Includes

Sanitary Sewer, Storm Sewer, and Water

FORMER USGS B/M 4'D SW CORR VCONC @ HANCOCK EL=769.71

MEADE

COMMERCIAL ST.

WINNEBAGO ST.

HANCOCK ST.

4" GAS
8" SAN.
6" W.M.
REBUILD TYPE "D"
GRAVEL & OIL
SUMP
YARD DRAIN
CONC.
CONC. & ASPHALT
BUILD SAN. M.H. OVER EXIST. SEWER. LOCATION TO BE DETERMINED IN FIELD.
ABANDON
9" SAN.
4" W.M.
21" X 28" SAN.
10" SAN.
8" WATER
GOOSENECK
15" STO.
21" SAN.
4" GAS
21" SAN.
4" W.M.

297'-12" STORM SEWER

296.9'-12"

305'-12" STORM SEWER

303.5

N

EXIST. ℄ PROFILE

767.95

768.04

296.9'

297'-12" STO. S=.003
CLASS II

303.5'

305'-12" STO. S=.003
CLASS II

760

750

10" SAN.

21" X 28" SAN.

15" STO.

21" SAN.

4'14.64
AS BUILT
NDG

761.32

12" STO. S. 762.21

EXIST. 10" SAN. S. 758.65
" 24" SAN. E. 754.75
" 21" X 28" SAN. N. 754.73

EXIST. 9" SAN. E. 760.69
" 10" SAN. N.&S. 760.69

EXIST. 10" SAN. N. 757.06
" 9" SAN. E. 755.11
" 21" SAN. S.&W. 754.21
EXIST. 15" STO. S. 759.14
12" STO. N. 760.

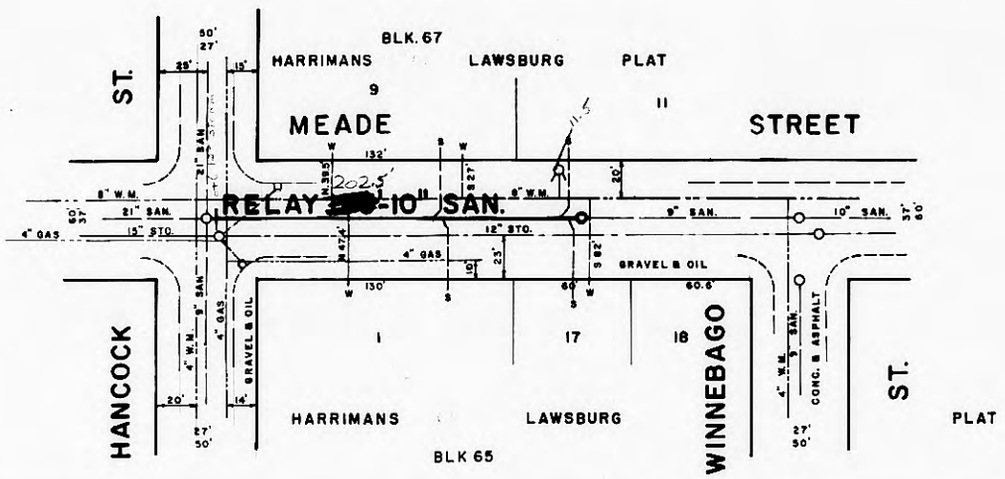
EST. QUANTITIES
602'-12" CONC. PIPE
3 M.H. - 20 VER. FT.
1 - TYPE "D" INLET
47'-10" INLET LEAD
12'-12" INLET LEAD

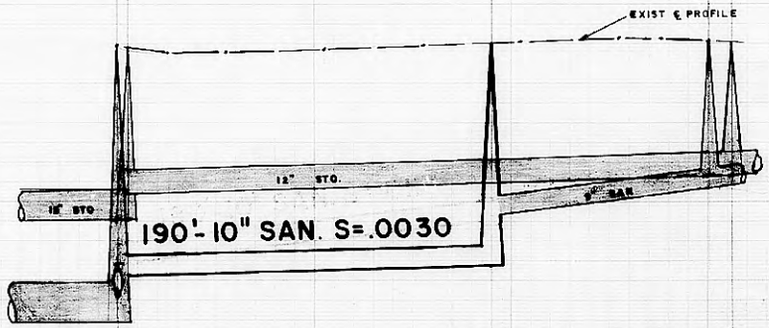
CHECKED 11/29/65 SAE

CITY OF APPLETON, WISCONSIN
ENGINEERING DIVISION
STORM SEWER IN MEADE STREET
HANCOCK ST. TO COMMERCIAL ST.

DWN. M.V.D. CKD F.H.K.
DATE 8/63 APP'D R.W.BUES
SCALE: 1"=40' HOR., 1"=4' VERT.

DWG NO. 234-521





NOTE;

1. GRANULAR BACKFILL REQUIRED THROUGHOUT
2. TOP 8" OF TRENCH SHALL BE BACKFILLED WITH CRUSHER RUN STONE
3. VITRIFIED CLAY EXTRA STRENGTH PIPE REQUIRED THROUGHOUT INCLUDING 10X6 WYE CONNECTIONS WHERE NECESSARY. ALL PIPE SHALL BE FURNISHED BY CONTRACTOR. COST OF PIPE AND LAYING SHALL BE INCLUDED IN THE BID PRICE PER LINEAL FOOT OF PIPE LAID.
4. EXISTING WYE LOCATIONS ARE APPROXIMATE ONLY. EXACT LOCATIONS WILL BE DETERMINED UPON EXCAVATION
5. WATER SERVICES ARE LOCATED FROM WRITTEN RECORDS AS SHOWN ON PLAN. TO BE VERIFIED IN FIELD. ALSO CHECK WITH WATER DEPT.
6. SEE SPECIAL PROVISIONS

AS BUILT
1-12-70
D.W.

EST. QUANTITIES	REVISIONS	UTILITIES
190'-10 VITRIFIED CLAY EXTRA STRENGTH PIPE ALSO WYE PIPE 1 M.H. 11.5 VERT. FT.		SAN. STORM WATER GAS TEL. ELECT. LIGHTS

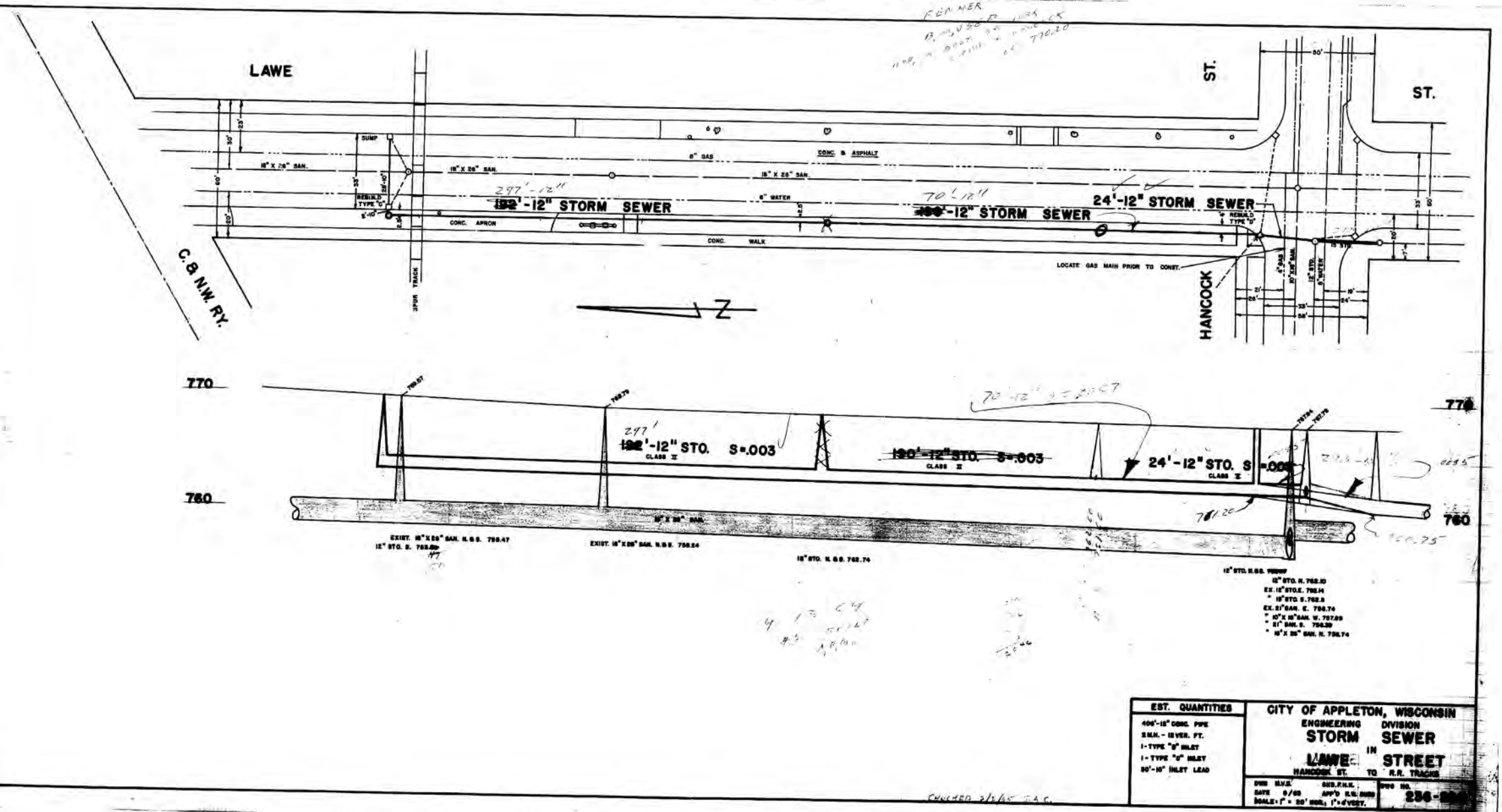
UNIT 3-69

CITY OF APPLETON, WISCONSIN
ENGINEERING DIVISION
SANITARY SEWER
RELAY
MEADE FROM HANCOCK 190' N. STREET

DWN: R.R.E. CHD:
DATE: 3-31-69 APP'D:
SCALE: 1" = 40' HOR. 1" = 4' VERT.

DWG. NO. 234-687
1/4 SEC 159

234-687



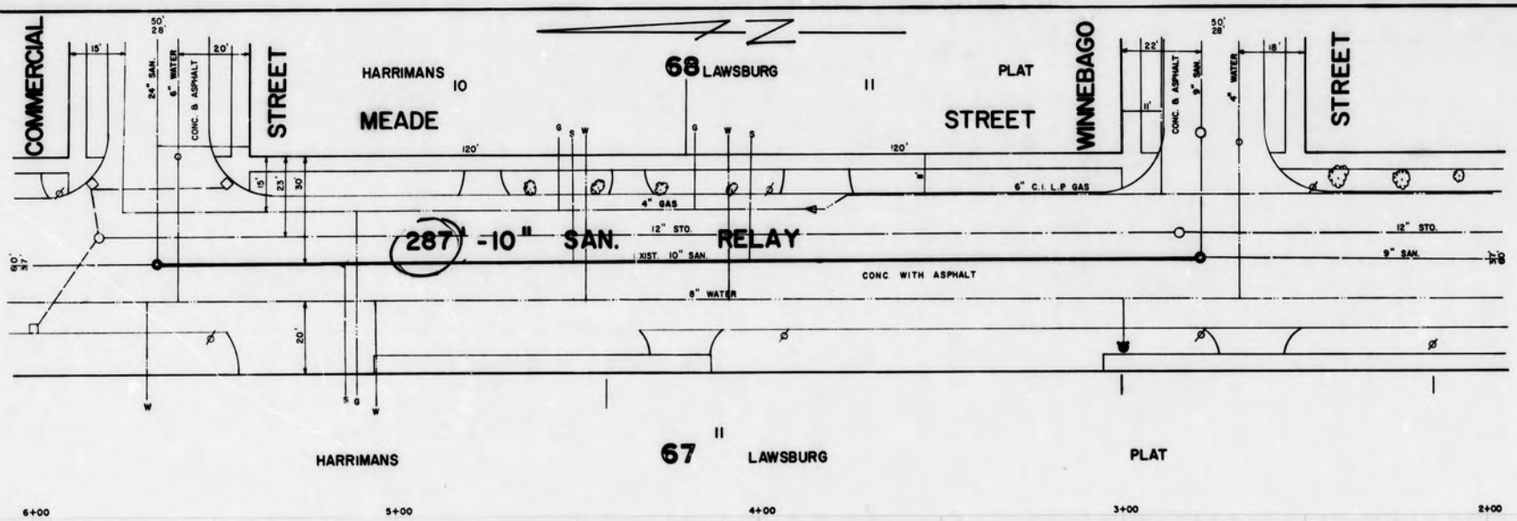
EST. QUANTITIES
406'-12" CONC. PIPE
2 M.H. - 12 VER. FT.
1 - TYPE "S" INLET
1 - TYPE "D" INLET
30'-10" INLET LEAD

CITY OF APPLETON, WISCONSIN
ENGINEERING DIVISION
STORM SEWER IN LAWE STREET
HANCOCK ST. TO R.R. TRACKS

DWN M.V.S. DES. F.H.K.
DATE 8/60 APP'D K.H. DUBB
SCALE: 1" = 20' HOR.; 1" = 4' VERT.

DWG NO. 236-[illegible]

CHECKED 2/1/61 E.A.C.



0+00 N. P/LINE HANCOCK STREET

As Built
1-2-73
G.W.

770

760

750

770

760

750

UNIT K-72

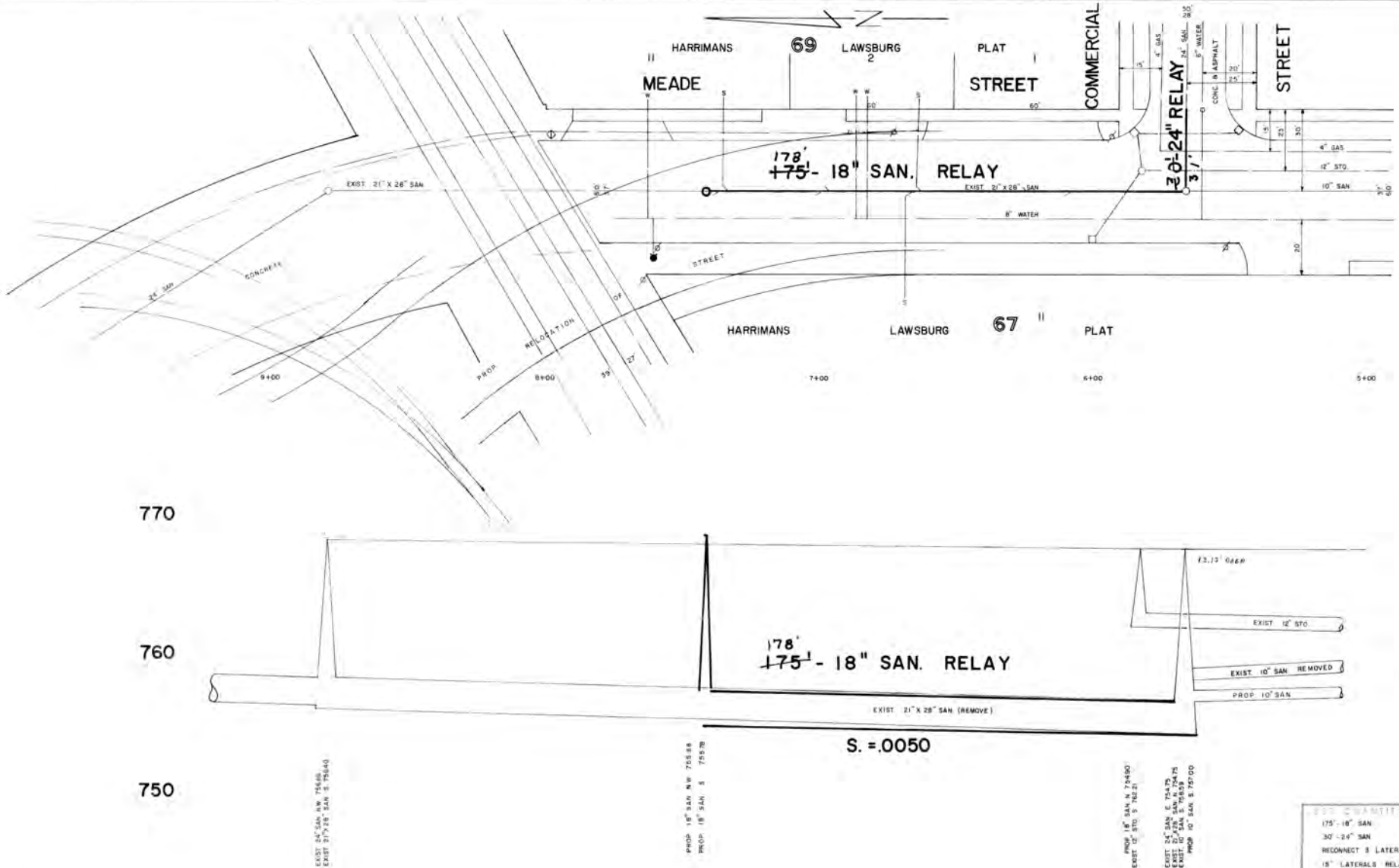
EST. QUANTITIES	REVISIONS	UTILITIES
287' - 10" SAN.		SAN.
RECONNECT 3 LATERALS		STORM
15' LATERAL RELAY		WATER
2 M.H. 23 VERT. FEET		GAS
		LAT.
		TEL.
		ELEC. LIGHTS

CITY OF APPLETON, WISCONSIN
ENGINEERING DIVISION
SANITARY (RELAY) SEWER
IN
MEADE STREET
FROM WINNEBAGO STREET TO COMMERCIAL STREET

DWN: JKK CKD.
DATE: 1-4-72 APP'D.
SCALE: 1" = 20' HOR. 1" = 4' VERT.

DWG. NO. SA-22
1/4 SEC. 19

1



As Built
1-8-73
JH

As Built
1-12-77
Field Crew
Unit 6 - 76

NOTE: 1. ALL LAT. ARE Y CONNECTIONS
2. EXISTING STORM LINE E/S 700 BLOCK IS APP. 1/3 FULL OF DEBRIS
3. PIPE IN 4 DAT BE M.H. "D" ARE OFFSET TO GIVE CLEARANCE TO SANITARY

MH @ HANCOCK & RANKIN 0+05
BM - HYD - HANCOCK & MEADE 769.66
- HYD - HANCOCK & LAWE 769.69

NOTE: EXISTING 08m MISC 1870 MH'S FROM UNDER LAWE ST IS 2" LOW TO THE NEW MAIN.

HANCOCK STREET

H A R R I M A N S L A W S B U R G P L A T

1 3 4 5 6 7 8 9

702 E HANCOCK 6"VIT LAMP 1' NAVY FALL RELAY 1C

708 E HANCOCK 6"VIT LAMP 6" BK RELAY 1'

714 HANCOCK 6"VIT LAMP 1/0 RELAY 1/3

6"VIT LAMP 14" BK RELAY 1C

TELEPHONE CONDUIT & CABLE

171.1' - 12" ABS STORM SEWER

186.3' - 15" ABS SANITARY SEWER

4-5'-10" INLET LEAD

4-18'-10" INLET LEAD

322.3' - 15" SANITARY SEWER

EXIST. GRAVEL & OIL SURFACE WITH CURB & GUTTER

EXIST. 15" SAN.
EXIST. 12" STD.
EXIST. 8" W.M.
EXIST. 4" W.S.H.P. GAS
EXIST. 6" W.S.H.P. GAS
EXIST. 4" W.S.H.P. GAS
EXIST. 2" W.S.H.P. GAS
EXIST. 9" SAN.
EXIST. 12" STD.
EXIST. 9" W.M.
EXIST. ASPHALT SURFACE

SEE NOTE BELOW

VACANT LOT 6"VIT LAMP 2' FALL RELAY 1'S

716 E. HANCOCK 6"VIT LAMP 14" BK RELAY 6"

721 E. HANCOCK 6"VIT LAMP 15" BK RELAY 1C"

726 E HANCOCK 6"VIT LAMP 1C" RELAY 1C"

727 E. HANCOCK 6"VIT LAMP 15" BK RELAY 1C"

731 E. HANCOCK 6"VIT LAMP 12" BK RELAY 1'

731 N. MEADE 6"VIT. RELAY 1' LAMP 10'OK

NOTE: SANITARY LINE WAS STOPPED BEFORE LAWE ST CONCRETE DUE TO 16" ABS. BEING UNABLE TO BE BENDED INTO EXISTING LINE

NOTE: STORM MAIN WAS FOUND BROKEN BY LAT. FOR 716 E HANCOCK. IT IS REPLACED. SANITARY & STORM LAT IN SAME DITCH. STORM LAT WAS RECONNECTED.

LAWE ST. — MEADE

11+00 10+00 9+00 8+00 7+00 6+00

"C" New M.H.

APPROX. W.M. DEPTH 0'

10.18'

13.18'

EXIST. 15" SAN.

171.1' - 12" ABS STORM SEWER S = 0.005

186.3' - 15" ABS SANITARY SEWER

EXIST. 18" x 24" SAN.

EXIST. 12" STD.

324.3' - 15" ABS SANITARY SEWER

EXIST. 18" x 24" SAN.

EXIST. 9" SAN.

EXIST. 9850 ℄ PROFILE

760

750

S = 0.0075

S = 0.0044

EXIST. 15" SAN. W. 758.38
EXIST. 8" SAN. S. 757.59
EXIST 15"x 25" SAN. N. 756.85
EXIST 24" SAN. E. 756.78

NOTE: ANGLE 24" SAN. 30° BEND 24" PIPE 30° BEND

PROP 12" STD. E. 761.10

EXIST. 24" SAN. W. 755.72
EXIST. 24" SAN. E. 755.58
EXIST. 12" STD. E. 760.25
PROP 12" STD. W. 760.25

PROP 15" SAN. W. 755.72
PROP 15" SAN. E. 755.58

PROP 15" SAN. W. 754.15
PROP 10" SAN. E. 755.30

EXIST. 24" SAN. W. 754.15
EXIST 12" SAN. N. 756.25
EXIST 24" SAN. S. 753.97
EXIST 9" SAN. E. 753.31

EXIST. 12" STD. W. 759.24
EXIST 12" STD. N. 759.94
EXIST 15" STD. S. 759.30

ESTIMATE QUANTITIES

547' - 15" SAN.
RECONNECT 12 LATERALS
RELAY 10' LATERAL
23 VERT. FT. STD. M.H.
INSTALL 2 CASTINGS

170' - 12" STD.
24' - 10" INLF LEAD
2 - "C" INLETS
11 VERT. FT. STD. M.H.
INSTALL 4 CASTINGS

REVISIONS

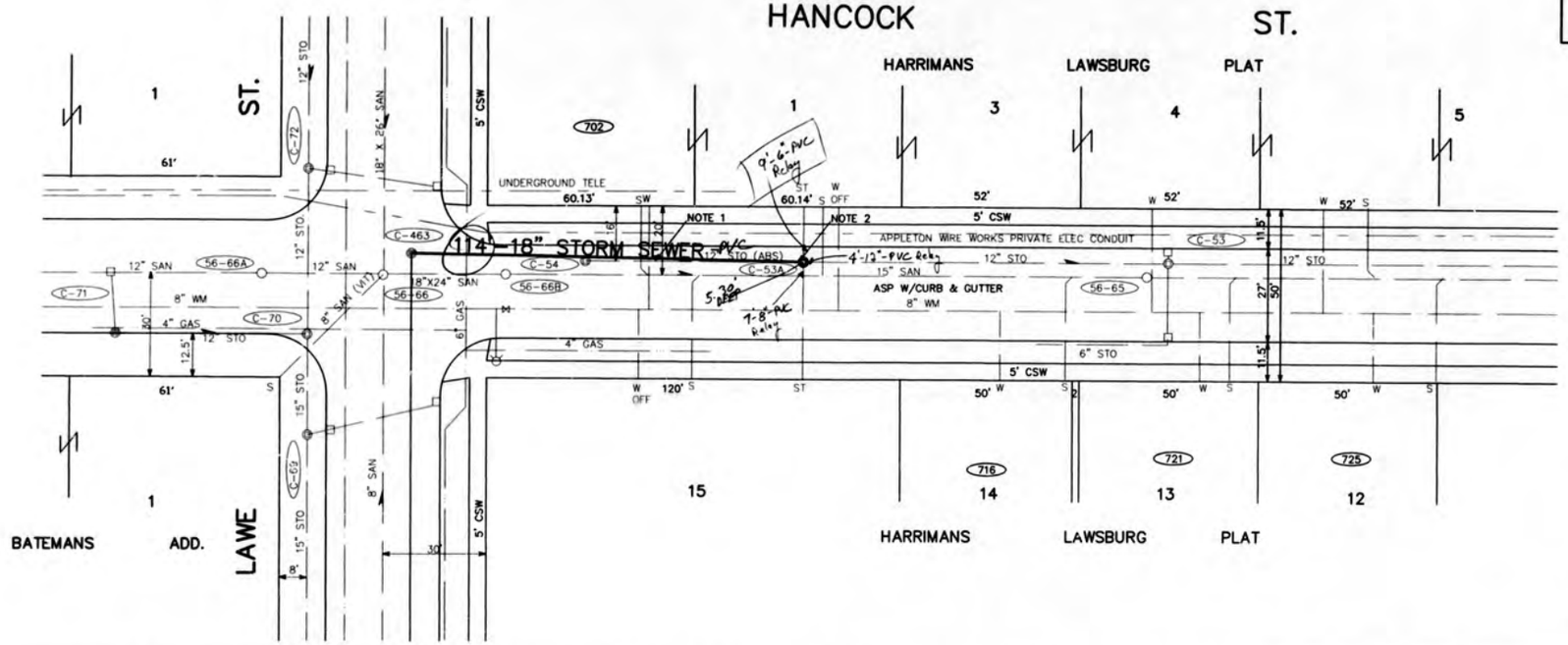
CITY OF APPLETON, WISCONSIN
ENGINEERING DIVISION
SANITARY & STORM SEWER IN HANCOCK STREET FROM MEADE ST. TO LAWE ST.

DWN: J.H. CHK: GLM
DATE: 3-19-76 APP'D:
SCALE: 1" = 20' HOR. 1" = 4' VERT.
DWG. NO. SA-248
1/4 SEC. 181

7

L.L.W.

STA 1+00.00 E/L LAWE STREET
BENCHMARKS:
HYDRANT S/E COR. LAWE ST. 769.69
HYDRANT S/S HANCOCK FRONT HOUSE #725 ..... 768.03



NOTES:

1.) COST OF REMOVAL OF EXISTING 12" STORM SEWER AND MANHOLE SHALL BE INCLUDED IN COST OF NEW PIPE.

2.) VERIFY INVERT ELEVATION AT MANHOLE C-53A PRIOR TO BEGINNING WORK. ADJUST GRADES ACCORDINGLY TO ENSURE THAT NEW 18" STORM IS AT OR BELOW INVERT OF 12" STORM TO THE EAST.

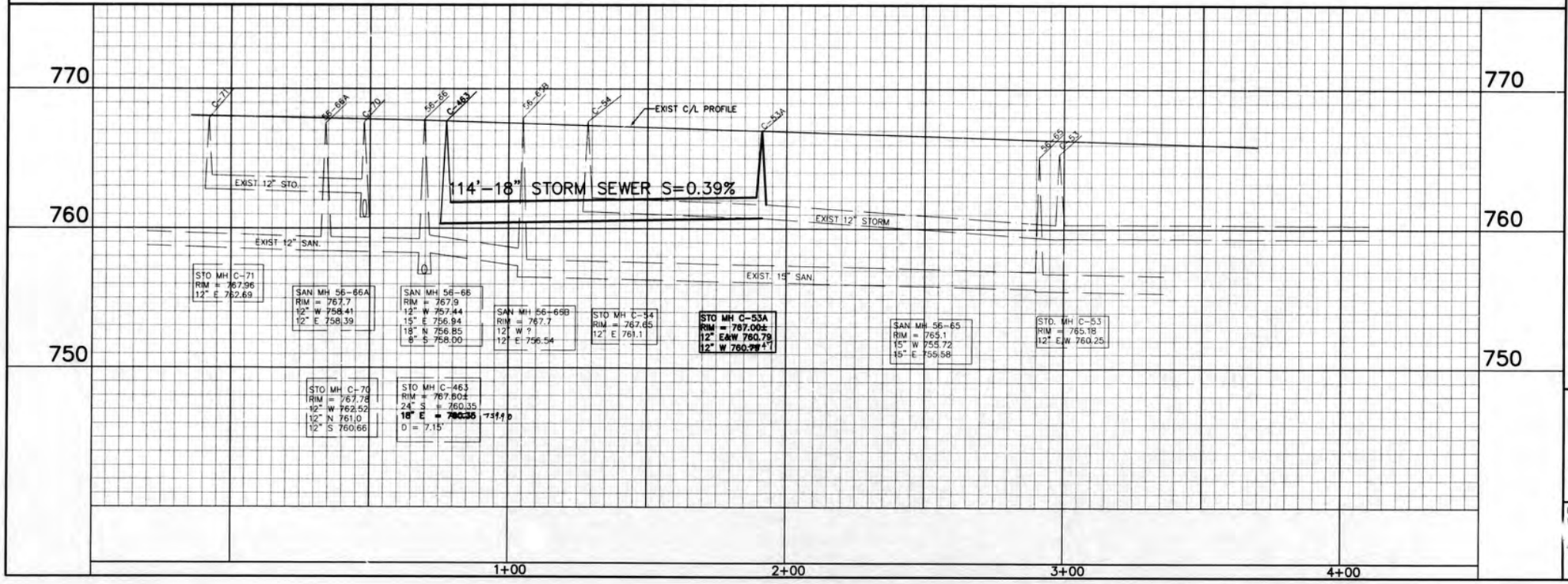
As Built
TT-02 Van Straten
11-14-02 JH
/ 500 12-5-02

BEFORE CONSTRUCTION THE CONTRACTOR SHALL HAVE THE UTILITIES AND LATERALS LOCATED BY THE UTILITY COMPANIES.

20 10 0 20
GRAPHIC SCALE

ESTIMATE OF QUANTITIES

114 LF – F&I 18" STORM SEWER
7 VF – F&I STORM MANHOLE
1 EA – F&I STORM MANHOLE CASTING



CITY OF APPLETON, WIS.
ENGINEERING DIVISION

STORM SEWER IN HANCOCK STREET

LAWE ST. TO 500' EAST OF LAWE

DWN: AAE CKD:
DATE: 12/11/01 APP'D:

G. NO. ST-932 | 1/4 SEC. R 50 | PAGE NO. 16

ORIGINAL
UNIT # TT-02 SHEET 16 OF 20

NOTE: EXISTING UTILITIES SHOWN IN PLAN ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES, INCLUDING SEWER AND WATER FROM THE OWNERS OF THE RESPECTIVE UTILITIES. ALL UTILITY OWNERS SHALL BE NOTIFIED BY THE CONTRACTOR 72 HOURS PRIOR TO EXCAVATION.

TEMPORARY STORM AND SANITARY FLUMING, INLET DISCONNECTS, ABANDONMENT OR REMOVAL OF SEWERS, REMOVAL OF INLETS, AND RESTORATION OF SEWERS TO EXISTING CONDITIONS ARE INCIDENTAL TO THE COST OF INSTALLING SHAFT.

CONTRACTOR SHALL, WITHIN 5 DAYS OF COMPLETION OF WORK WITHIN SHAFT, BACKFILL SHAFT WITH SPECIFIED BACKFILL MATERIAL AND BE RESPONSIBLE FOR SURFACE RESTORATION AS FOLLOWS:

PACIFIC STREET: PAVEMENTS, SIDEWALKS, APRONS, ETC SHALL BE CAPPED WITH 3 INCHES OF HOT MIXED ASPHALT MATERIAL ON TOP OF 6 INCHES OF 3/4 INCH ROAD STONE OR TO THE EXTENSION OF THE EXISTING PAVEMENT SUBGRADE, WHICHEVER IS GREATER. IF HOT MIX IS NOT AVAILABLE IN THE WINTER MONTHS, COLD MIX MAY BE USED.

GRASSED AREAS: COMPLY WITH SPECIFIC PROVISIONS.

N 0' 10' 20' 40' SCALE

WINNEBAGO STREET

N MEADE STREET

HANCOCK STREET

RONALD D VIAENE
906 N MEADE ST
1-1158-01

MARY C HUGHES
802 E WINNEBAGO ST
1-1159-00

MARIA ANN WIERICHS
820 N MEADE ST
1-1119-00

GUY D CLARK
814 N MEADE ST
1-1118-00

MATAS D WHITMAN
806 N MEADE ST
1-1102-01

NICHOLAS C VANDINTER
802 E HANCOCK ST
1-1102-00

JAMIE FONTE
720 N MEADE ST
1-0951-00

MATCHLINE SHEET C-7

MATCHLINE SHEET C-5

312+00

313+00

314+00

315+00

316+00

72" SS

BA-13

SSM-2

I BAHCALL STEEL & PIPE INC
975 N MEADE ST
1-1146-00

VALLEY CAST INC
908 N LAWE ST
1-1145-00

APPLETON PAPES
714 E HANCOCK ST
1-1139-00

8" WATER TO BE RELOCATED
SEE DETAIL 7 W-4

WALTER E SHEFKA
721 N MEADE ST
1-1128-00

C-489
N=564776.44
E=830480.64
STA. 315+74.41

C-490
N=564794.93
E=830473.94
STA. 315+56.14, 7.3' RT

JACKED STORM SEWER

GRANULAR BACKFILL

SLURRY BACKFILL

JACKED STORM SEWER

EXISTING GRADE OVER PROPOSED STORM SEWER

EX STM MH
EX SAN MH

EX 8" WTR

EX 12" SAN

EX 10" SAN

EX 12" STM

EX FIBER OPTIC

EX GAS

21.5'

40.0'

26.1'

19.7' - 24" RCP CL III @ 0.0198 FT/FT

~~756.8'~~ - 72" RCP CL III @ 0.0170 FT/FT

762.5'

C-490 (60" MANHOLE)
RIM = 767.1
24" SE INV = 756.90
EX 12" E/W INV = 759.1±

C-489 (STANDARD STRUCTURE)
RIM = 766.9
72" N/S INV = 729.97
24" NW INV = 756.51

HORIZ. 0' 10' 20' 40'
VERT. 0' 10' 20' SCALE

790 780 770 760 750 740 730 720 710 700

DRN	CMB	11/2005
DES	CMB	11/2005
CHK	MRS	11/2005
APP	MJD	11/2005

REVISIONS | DRN | CHK | DATE | NO

MILWAUKEE, WI
1020 N. BROADWAY
414-225-0100

EarthTech
A Tyco International Ltd. Company

CITY OF APPLETON, WISCONSIN
MEADE AND PACIFIC STREETS
APPLETON, WISCONSIN

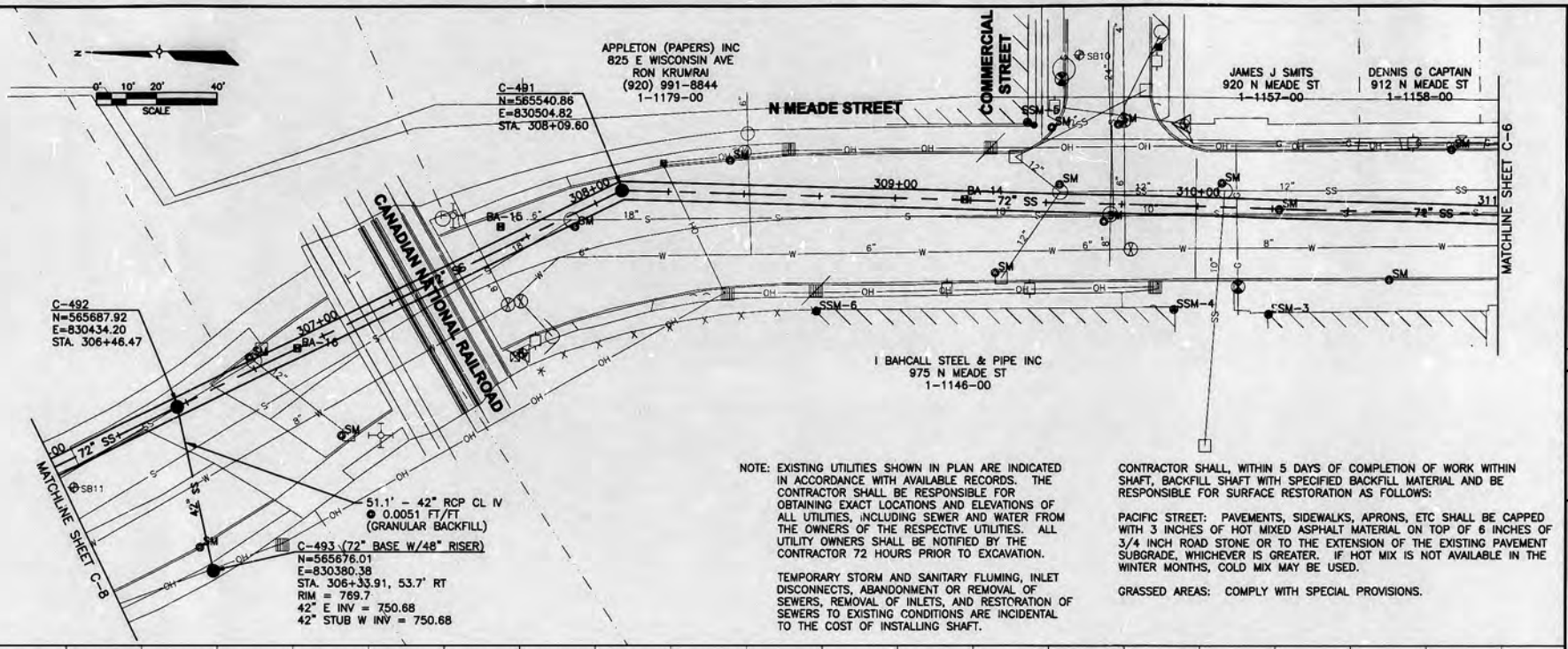
MEADE STREET
STORM SEWER PLAN AND PROFILE

DATE NOVEMBER 2005
PROJECT NO 81436
FILENAME pp06.dwg
SHEET NO
DRAWING NO C-6

File: L:\work\81436\Cadd\Plan Set\pp06.dwg Time: Nov 03, 2005 - 3:33pm

ORIGINAL

ST-1132



NOTE: EXISTING UTILITIES SHOWN IN PLAN ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES, INCLUDING SEWER AND WATER FROM THE OWNERS OF THE RESPECTIVE UTILITIES. ALL UTILITY OWNERS SHALL BE NOTIFIED BY THE CONTRACTOR 72 HOURS PRIOR TO EXCAVATION.

TEMPORARY STORM AND SANITARY FLUMING, INLET DISCONNECTS, ABANDONMENT OR REMOVAL OF SEWERS, REMOVAL OF INLETS, AND RESTORATION OF SEWERS TO EXISTING CONDITIONS ARE INCIDENTAL TO THE COST OF INSTALLING SHAFT.

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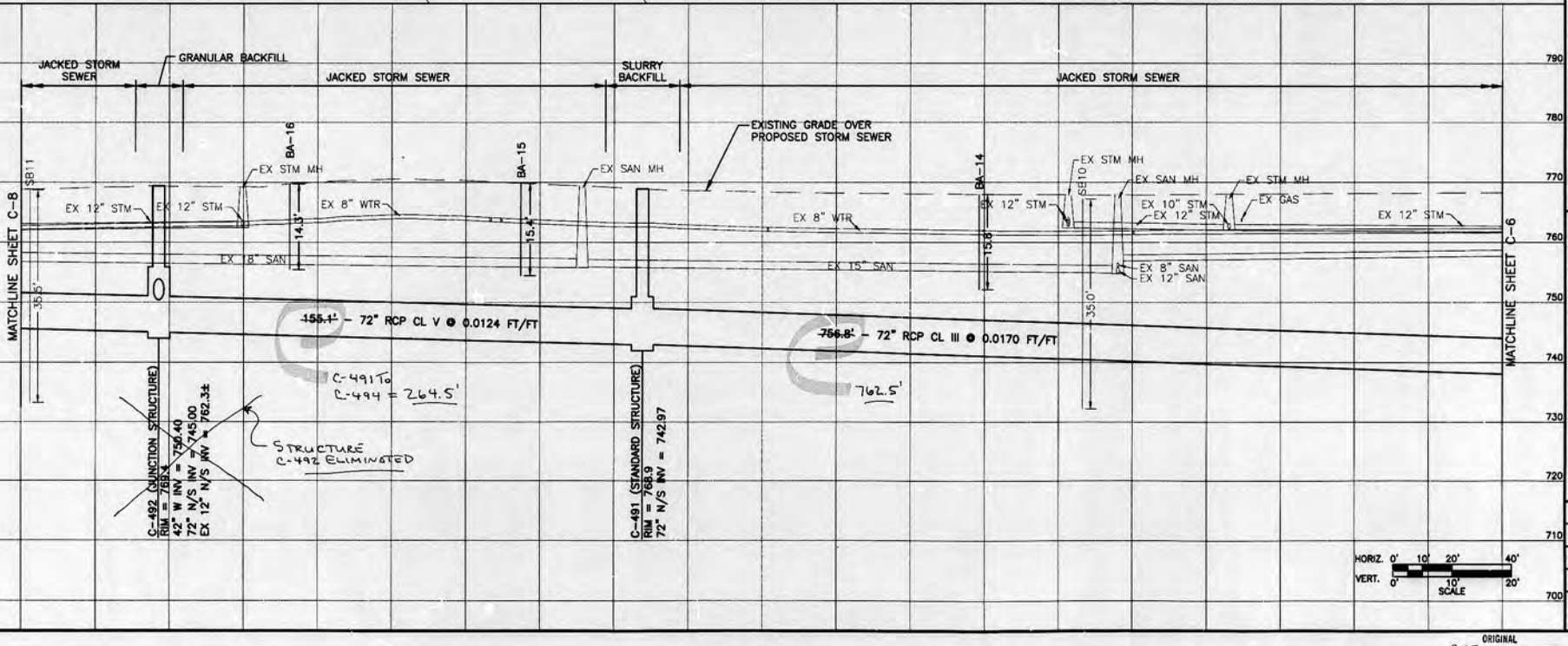
PACIFIC STREET: PAVEMENTS, SIDEWALKS, APRONS, ETC SHALL BE CAPPED WITH 3 INCHES OF HOT MIXED ASPHALT MATERIAL ON TOP OF 6 INCHES OF 3/4 INCH ROAD STONE OR TO THE EXTENSION OF THE EXISTING PAVEMENT SUBGRADE, WHICHEVER IS GREATER. IF HOT MIX IS NOT AVAILABLE IN THE WINTER MONTHS, COLD MIX MAY BE USED.

GRASSED AREAS: COMPLY WITH SPECIAL PROVISIONS.



HORIZ. 0' 10' 20' 40'
VERT. 0' 10' 20'
SCALE

NO	REVISIONS	DRN	CHK	DATE

	DRN	CMB	11/2005
	DES	CMB	11/2005
	CHK	MRS	11/2005
	APP	MJD	11/2005

1061 WALKER WAY
APPLETON, WI 54914
(920) 738-5100

EarthTech
A Tyco International Ltd. Company

CITY OF APPLETON, WISCONSIN
MEADE AND PACIFIC STREETS
APPLETON, WISCONSIN

MEADE STREET
STORM SEWER PLAN AND PROFILE

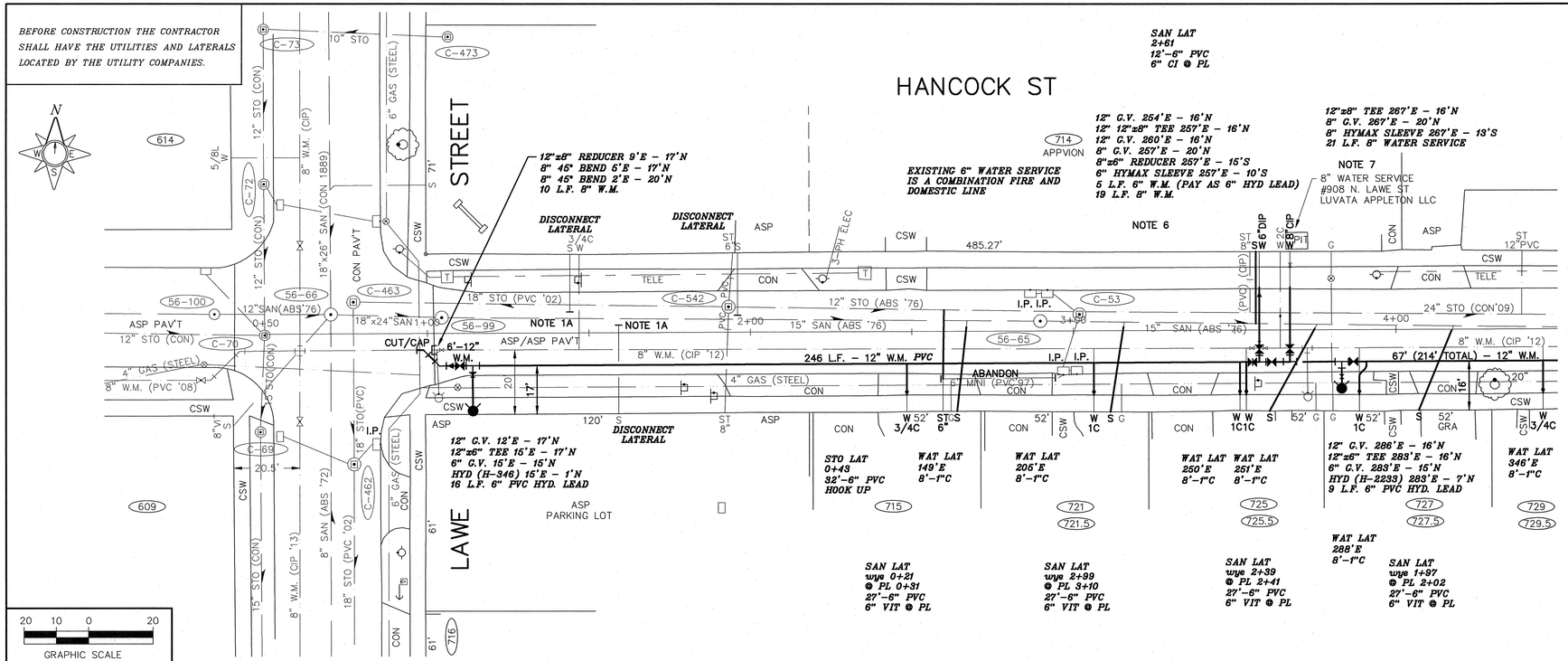
DATE NOVEMBER 2005
PROJECT NO 81436
FILENAME pp07.dwg
SHEET NO
DRAWING NO C-7

File: L:\work\81436\Cadd\Plan Set\pp07.dwg Time: Nov 03, 2005 - 3:35pm

ORIGINAL

ST-433

BEFORE CONSTRUCTION THE CONTRACTOR SHALL HAVE THE UTILITIES AND LATERALS LOCATED BY THE UTILITY COMPANIES.



WATER MAIN NOTES:

1. EXISTING SERVICES SHALL BE CONNECTED TO NEW MAIN WITH NEW CORPORATION STOP & PIPE COUPLING.
2. PARTIAL COPPER SERVICE REPLACEMENT SHALL BE DONE WITH MATERIAL SAME AS EXISTING. COMPLETE SERVICE REPLACEMENT FROM THE NEW MAIN TO AND INCLUDING NEW CURB STOP AND CURB BOX MAY USE POLY MATERIAL OF EQUIVALENT (NOMINAL) DIAMETER.
3. EXISTING VALVE BOXES AND HYDRANTS ON LINES BEING ABANDONED SHALL BE REMOVED. CONTRACTOR SHALL DISPOSE OF VALVE BOXES. HYDRANTS SHALL BE RETURNED TO MUNICIPAL SERVICE BUILDING.
4. WATER MAIN INSULATION WHERE REQUIRED BY INSPECTOR OR ENGINEER, SHALL BE 4" DOW BLUEBOARD, OR APPROVED EQUAL. INSULATION SHALL BE PLACED ON TOP & SIDES OF THE MAIN PRIOR TO BACKFILL.
5. WATER MAIN GRADES ARE REFERENCED TO TOP OF MAIN (T.P.) COVER SHALL BE 6' MIN. 6.5' COVER SHALL BE TYPICAL.
6. CONTRACTOR SHALL COORDINATE WATER SERVICE TIE-OVER WITH APPVION. #714 HANCOCK. CONTACTS ARE ANGELA GREGORY-WERDIN, CORPORATE FACILITES MANAGER (PH 920-851-6734) & MARK WILSON, FACILITIES MAINTENANCE TECH (PH 920-740-6819). NOTIFY AT LEAST 5 WORKING DAYS IN ADVANCE OF ANY SERVICE WORK. SERVICE INTERRUPTIONS SHALL BE FRIDAYS, AFTER 11 AM WITH ADVANCE NOTICE.
7. CONTRACTOR SHALL COORDINATE WATER SERVICE TIE-OVER WITH LUVATA APPLETON #908 N. LAWE ST. AT LEAST 5 WORKING DAYS IN ADVANCE OF ANY SERVICE WORK.

SEWER NOTES:

1A. EXCAVATE & BULKHEAD EXISTING LATERAL AT MAIN PER SECTION 5.10.1. OF THE SEWER SPECIFICATIONS. PAYMENT SHALL BE 1 EA. LATERAL DISCONNECT.

EROSION CONTROL NOTES:

I.P. INSTALL "D-HR" INLET PROTECTION PRIOR TO CONSTRUCTION.

Asbuilt Approved PJT 1-21-16 unit W-15 Vonstraten 2/25/16

ESTIMATE OF QUANTITIES

WATER MAIN PAY QUANTITIES

- **343** L.F. – F&I 12" WATER MAIN
- **10** L.F. – F&I 8" WATER MAIN
- **40** L.F. – F&I 8" SERVICE (PAY AS 8" WATER MAIN)
- **25** L.F. – F&I 6" HYDRANT LEAD
- **5** L.F. – F&I 6" SERVICE (PAY AS 6" HYDRANT LEAD)
- **2** EA. – F&I HYDRANT
- **4** EA. – F&I 12" GATE VALVE w/BOX
- **2** EA. – F&I 8" GATE VALVE w/BOX
- **2** EA. – F&I 6" GATE VALVE w/BOX
- **2** EA. – F&I 8", 45° BEND
- **48** L.F. – F&I 1" SERVICE
- **6** EA. – SERVICE CONNECTION

REQ'D FITTINGS & MATL'S

- 2 EA. – 12"x8" TEE
- 2 EA. – 12"x6" HYDRANT TEE
- 1 EA. – 8" MJ PLUG
- 1 EA. – 12"x8" REDUCER
- 1 EA. – 8"x6" REDUCER
- 1 EA. – 2" CORPORATION STOP
- 7 EA. – 1" CORPORATION STOP
- 7 EA. – CURB STOP
- 7 EA. – CURB BOX (COMPLETE)
- 1 EA. – 2" TYPE 'C' COUPLING
- 4 EA. – 1" TYPE 'C' COUPLING
- 2 EA. – 1"x3/4" TYPE 'C' COUPLING

SANITARY SEWER PAY QUANTITIES

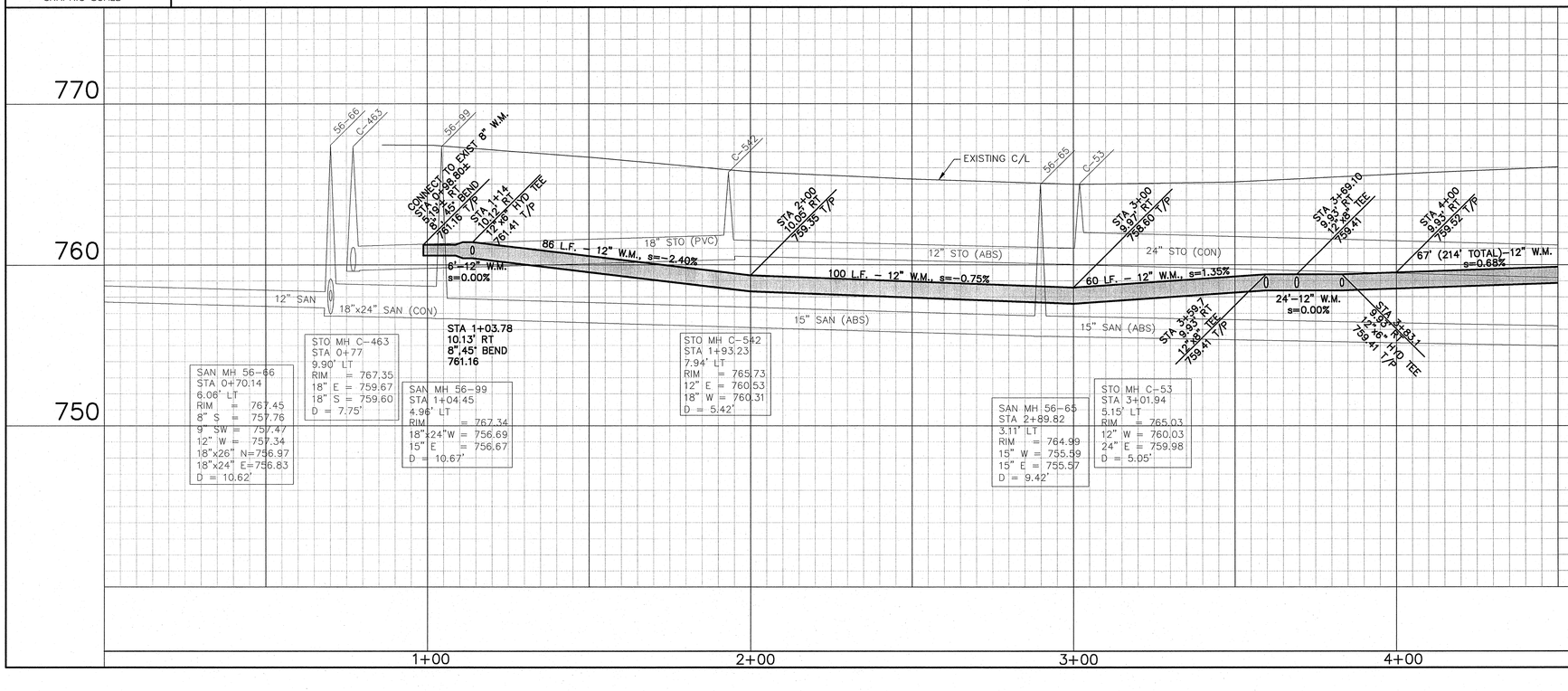
- **120** L.F. – F&I 4"/6" SANITARY LATERAL
- **10** EA. – SANITARY LATERAL CONNECTION
- **3** EA. – SANITARY LATERAL DISCONNECT

STORM SEWER PAY QUANTITIES

- **32** L.F. – F&I 6" STORM LATERAL
- **1** EA. – STORM LATERAL HOOK-UP

EROSION CONTROL PAY QUANTITIES

- **4** EA. – F&I 'D-HR' INLET PROTECTION



CITY OF APPLETON, WIS.
ENGINEERING DIVISION

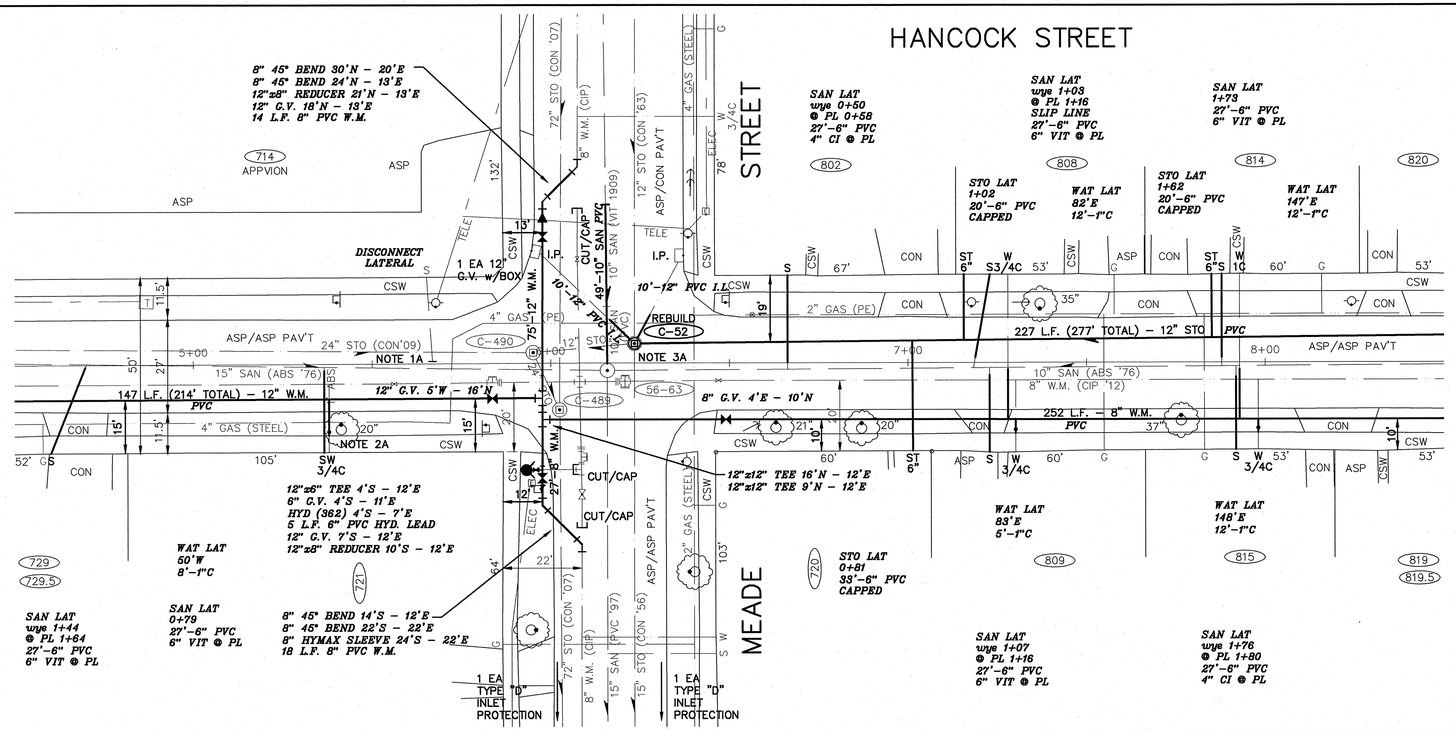
SEWER & WATER IN HANCOCK ST

LAWE ST TO 150' W/O MEADE ST

DWN: LMB CKD:
DATE: 12/29/14 APP'D:

DRG. NO. 1/4 SEC. R51 PAGE NO. 4

BEFORE CONSTRUCTION THE CONTRACTOR SHALL HAVE THE UTILITIES AND LATERALS LOCATED BY THE UTILITY COMPANIES.



20 10 0 20
GRAPHIC SCALE

STA 1+00.00 E/L LAWE STREET

WATER MAIN NOTES:

1. EXISTING SERVICES SHALL BE CONNECTED TO NEW MAIN WITH NEW CORPORATION STOP & PIPE COUPLING.
2. PARTIAL COPPER SERVICE REPLACEMENT SHALL BE DONE WITH MATERIAL SAME AS EXISTING. COMPLETE SERVICE REPLACEMENT FROM THE NEW MAIN TO AND INCLUDING NEW CURB STOP AND CURB BOX MAY USE POLY MATERIAL OF EQUIVALENT (NOMINAL) DIAMETER.
3. EXISTING VALVE BOXES AND HYDRANTS ON LINES BEING ABANDONED SHALL BE REMOVED. CONTRACTOR SHALL DISPOSE OF VALVE BOXES. HYDRANTS SHALL BE RETURNED TO MUNICIPAL SERVICE BUILDING.
4. WATER MAIN INSULATION WHERE REQUIRED BY INSPECTOR OR ENGINEER, SHALL BE 4" DOW BLUEBOARD, OR APPROVED EQUAL. INSULATION SHALL BE PLACED ON TOP & SIDES OF THE MAIN PRIOR TO BACKFILL.
5. WATER MAIN GRADES ARE REFERENCED TO TOP OF MAIN (T.P.) COVER SHALL BE 6' MIN. 6.5' COVER SHALL BE TYPICAL.

SEWER NOTES:

1A. EXCAVATE & BULKHEAD EXISTING LATERAL AT MAIN PER SECTION 5.10.1. OF THE SEWER SPECIFICATIONS. PAYMENT SHALL BE 1 EA. LATERAL DISCONNECT.

2A. CONTRACTOR SHALL NOTIFY MIKE MICHLIG, CITY FORESTER (PH 920-419-6004), A MINIMUM OF 10 WORKING DAYS IN ADVANCE OF WORK TO REMOVE TREE.

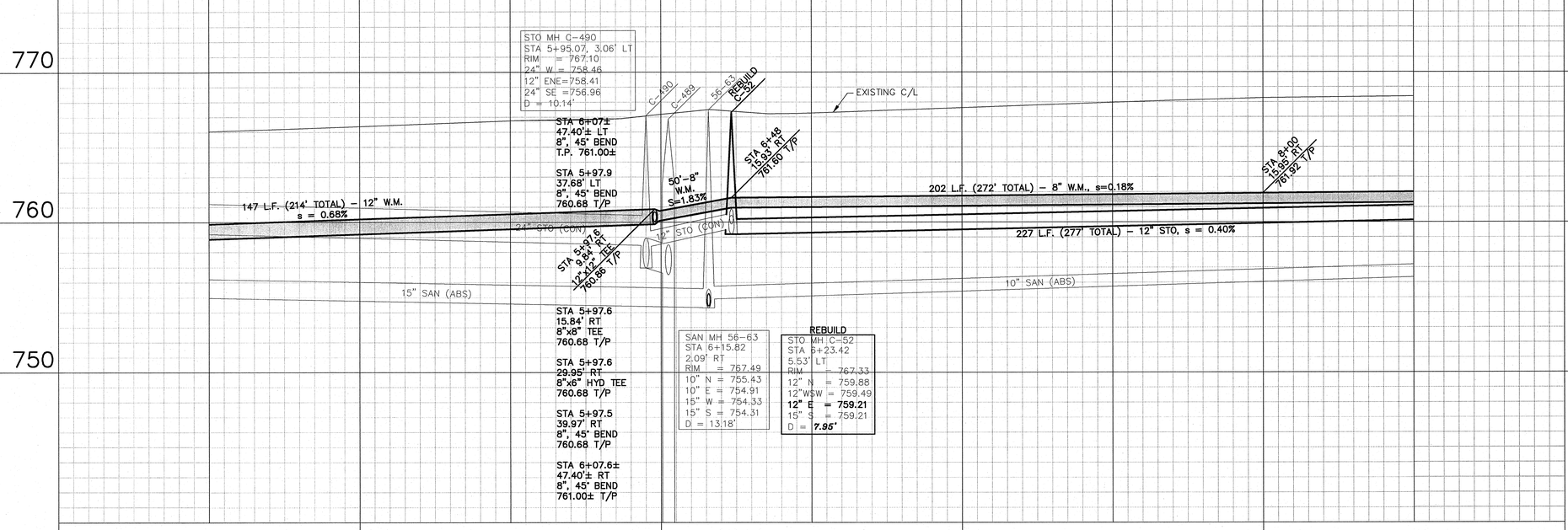
3A. CONTRACTOR SHALL EXCAVATE & INSTALL ALL FACILITIES WITHIN THE PAVEMENT OF MEADE ST., BACKFILL WITH AGGREGATE SLURRY, AND RESTORE WITH 4" ASPHALT PAVEMENT. ALL WORK SHALL BE DONE UNDER ONE DETOUR SET-UP. ALL COSTS FOR BACKFILL, SAWCUT, AND ASPHALT SHALL BE INCLUDED IN BID UNIT PRICES OF MAIN(S).

EROSION CONTROL NOTES:

I.P. INSTALL "D-HR" INLET PROTECTION PRIOR TO CONSTRUCTION.

Asbuilt
PJT 1-21-16
unit w-15
VanStraten

Checked/Approved
MBL 1/25/16



ESTIMATE OF QUANTITIES

WATER MAIN PAY QUANTITIES

222 L.F. – F&I 12" WATER MAIN
284 L.F. – F&I 8" WATER MAIN
5 L.F. – F&I 6" HYDRANT LEAD
1 EA. – F&I HYDRANT
3 EA. – F&I 12" GATE VALVE w/BOX
1 EA. – F&I 8" GATE VALVE w/BOX
1 EA. – F&I 6" GATE VALVE w/BOX
4 EA. – F&I 8", 45° BEND
49 L.F. – F&I 1" SERVICE
5 EA. – SERVICE CONNECTION

REQ'D FITTINGS & MATL'S

1 EA. – 12"x12" TEE
1 EA. – 8"x8" TEE
1 EA. – 8"x6" HYDRANT TEE
2 EA. – 12"x8" REDUCER
5 EA. – 1" CORPORATION STOP
3 EA. – CURB STOP
3 EA. – CURB BOX (COMPLETE)
1 EA. – 1" TYPE 'C' COUPLING
4 EA. – 1"x3/4" TYPE "C" COUPLING

SANITARY SEWER PAY QUANTITIES

49 L.F. – F&I 10" SANITARY SEWER
189 L.F. – F&I 4"/6" SANITARY LATERAL
14 EA. – SANITARY LATERAL CONNECTION
1 EA. – SANITARY LATERAL DISCONNECT

STORM SEWER PAY QUANTITIES

227 L.F. – F&I 12" STORM SEWER
20 L.F. – F&I 12" STORM INLET LEAD
73 L.F. – F&I 6" STORM LATERAL
7.95 V.F. – F&I STD. STORM MANHOLE
1 EA. – F&I STORM MANHOLE CASTING

EROSION CONTROL PAY QUANTITIES

4 EA. – F&I "D-HR" INLET PROTECTION

CITY OF APPLETON, WIS.
ENGINEERING DIVISION

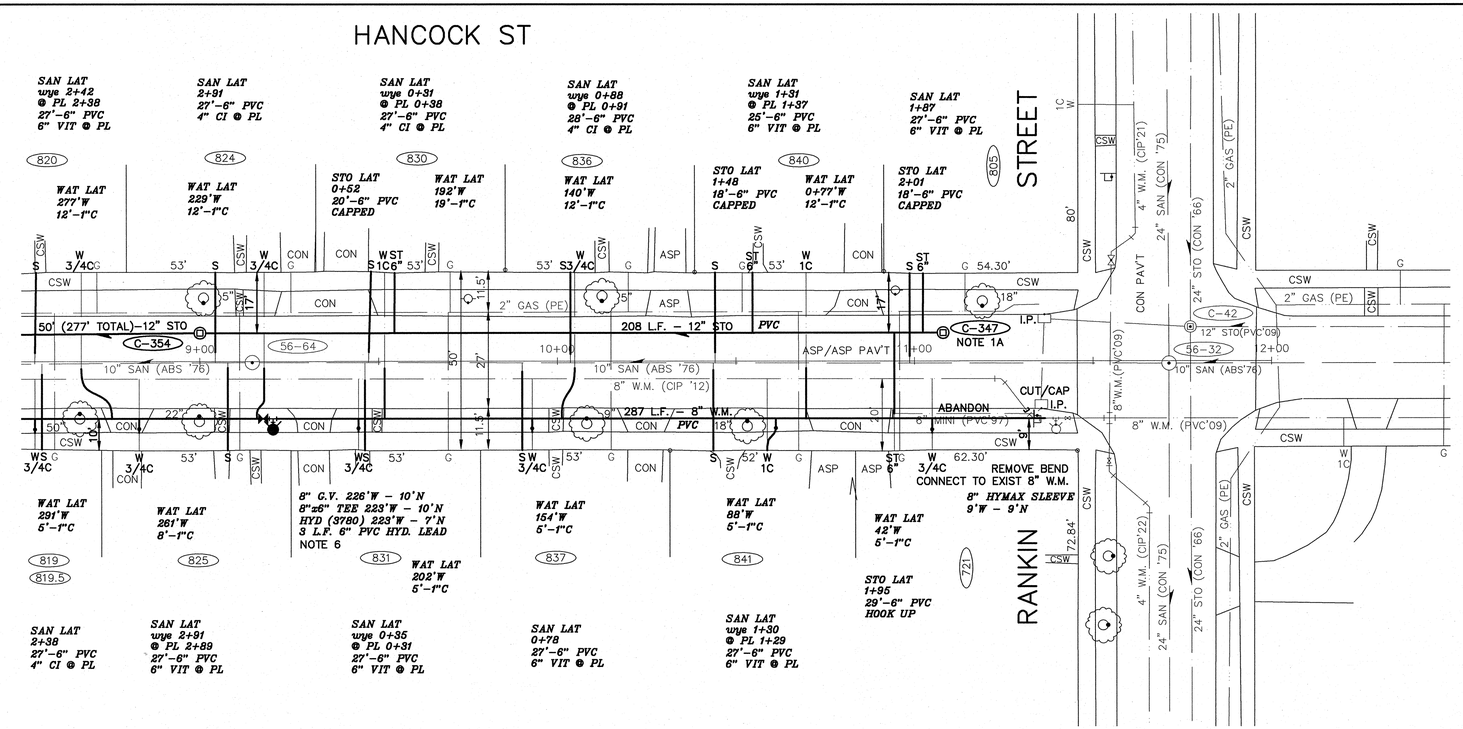
SEWER & WATER
IN
HANCOCK ST

150' W/O MEADE ST TO 200' E/O MEADE ST

DWN: LMB CKD:
DATE: 12/29/14 APP'D:

DRG. NO. 1/4 SEC. R51,S51 PAGE NO. 5

BEFORE CONSTRUCTION THE CONTRACTOR SHALL HAVE THE UTILITIES AND LATERALS LOCATED BY THE UTILITY COMPANIES.



20 10 0 20
GRAPHIC SCALE

STA 1+00.00 E/L LAWE STREET

WATER MAIN NOTES:

1. EXISTING SERVICES SHALL BE CONNECTED TO NEW MAIN WITH NEW CORPORATION STOP & PIPE COUPLING.
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4. WATER MAIN INSULATION WHERE REQUIRED BY INSPECTOR OR ENGINEER, SHALL BE 4" DOW BLUEBOARD, OR APPROVED EQUAL. INSULATION SHALL BE PLACED ON TOP & SIDES OF THE MAIN PRIOR TO BACKFILL.
5. WATER MAIN GRADES ARE REFERENCED TO TOP OF MAIN (T.P.) COVER SHALL BE 6' MIN. 6.5' COVER SHALL BE TYPICAL.
6. A 6" AUXILLARY VALVE SHALL NOT BE INSTALLED ON THIS HYDRANT LEAD.

SEWER NOTES:

1A. NO FLAT TOPS ARE ALLOWED ON STORM MANHOLES.

EROSION CONTROL NOTES:

I.P. INSTALL "D-HR" INLET PROTECTION PRIOR TO CONSTRUCTION.

Asbuilt
PJT 1-21-16
Unit W-15
VanStraten
Checked/Approved
MSH
3/25/16

ESTIMATE OF QUANTITIES

WATER MAIN PAY QUANTITIES

- **287** L.F. – F&I 8" WATER MAIN
- **3** L.F. – F&I 6" HYDRANT LEAD
- **1** EA. – F&I HYDRANT
- **1** EA. – F&I 8" GATE VALVE w/BOX
- **100** L.F. – F&I 1" SERVICE
- **11** EA. – SERVICE CONNECTION

REQ'D FITTINGS & MATL'S

- 1 EA. – 8"x6" HYDRANT TEE
- 11 EA. – 1" CORPORATION STOP
- 6 EA. – CURB STOP
- 6 EA. – CURB BOX (COMPLETE)
- 3 EA. – 1" TYPE "C" COUPLING
- 8 EA. – 1"x3/4" TYPE "C" COUPLING

SANITARY SEWER PAY QUANTITIES

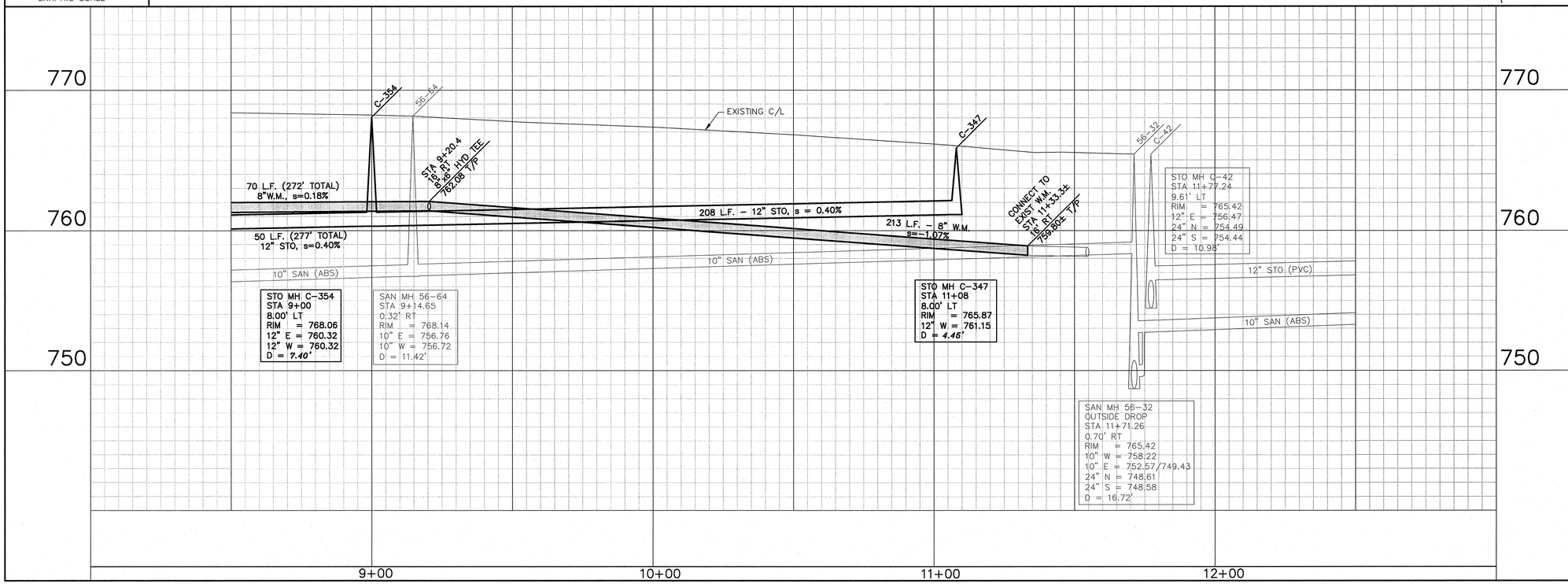
- **296** L.F. – F&I 4"/6" SANITARY LATERAL
- **22** EA. – SANITARY LATERAL CONNECTION

STORM SEWER PAY QUANTITIES

- **258** L.F. – F&I 12" STORM SEWER
- **85** L.F. – F&I 6" STORM LATERAL
- **1** EA. – STORM LATERAL HOOK-UP
- **11.85** V.F. – F&I STD. STORM MANHOLE
- **2** EA. – F&I STORM MANHOLE CASTING

EROSION CONTROL PAY QUANTITIES

- **2** EA. – F&I 'D-HR' INLET PROTECTION



CITY OF APPLETON, WIS.
ENGINEERING DIVISION

SEWER & WATER
IN
HANCOCK ST
200' E/O MEADE ST TO RANKIN ST

DWN: LMB CKD:
DATE: 12/29/14 APP'D:

DRG. NO. 1/4 SEC. S51 PAGE NO. 6