April 20, 2016

Mr. John R. Strang, P.E.
Environmental Engineer 2
New York State Department of Environmental Conservation
Region 4
1130 South Westcott Road
Schenectady, New York 12306-2014

Via Electronic Mail

Re: Chlorinated Solvent Plume- Monitoring Well Baseline Sampling
Parcel A Monitoring Well Network
ALCO – BCP Site C447042
Schenectady, NY

Dear Mr. Strang:

On behalf of Maxon ALCO Holdings, LLC, Barton & Loguidice, Inc. (B&L) has prepared the following report for the results of the Parcel A Monitoring Well Network (Network) baseline sampling for the Chlorinated Solvent Plume.

Summary of IRM Activities

The Parcel A Monitoring Well Network sampling activities were undertaken in accordance with the January 2016 approved Parcel A Remedial Design Report dated December 2015. The Network is composed of the following:

MW	PARCEL	DEPTH*
MW-65	A	69.65
MW-64S	A	38.55
MW-64D	A	70.15
MW-62	A	63.2

*measured from top of casing

Groundwater sampling of the Network was conducted on February 29, 2016.

Summary of Sample Results

A total of five (5) groundwater samples (including a duplicate) were collected from monitoring wells shown on the attached figure. Groundwater samples were analyzed for volatile organic compounds (VOCs), sodium, potassium, calcium, magnesium, sulfate, chloride, hardness, and nitrate. Detections are summarized on the attached table. The five (5) groundwater samples had one or more of the following at concentrations above their respective 6 NYCRR Part 703.5 Groundwater Quality Standards:

- 1,1-Dichloroethene,

- cis-1,2-Dichloroethene,
- Tetrachloroethene,
- trans-1,2-Dichloroethene,
- Trichloroethene,
- Vinyl chloride,
- Chloride, and
- Sodium.

As discussed in the Supplemental Remedial Investigation (SRI) Report (B&L, 2013), the plume moves across the site towards the Mohawk River, along the established hydraulic gradient, moving deeper with distance from the source. Some breakdown of the original source area contaminant is evident as the plume traverses the site. Within the source area on Parcel C, tetrachloroethene (PCE) is the primary contaminant, while its breakdown cis1,2-dichloroethene (12 -DCE) is the primary contaminant at the extremities of the plume on Parcel A. The sequential breakdown of chlorinated solvents such as PCE and trichloroethene (TCE) in the subsurface due to biological and chemical processes has been documented in numerous sites in New York and in research articles, and is discussed in detail in Weidemeier, et al, 1999. Such degradation is at work at this site.

Additional sampling of the Network will be conducted four (4) weeks post remedial injection work on Parcels B and C. Please feel free to contact the undersigned at (518) 218-1801 with any questions or need for additional information.

Very truly yours,

BARTON & LOGUIDICE, INC.

Andrew J. Barber
Sr. Environmental Consultant

AJB/akd
Enclosure

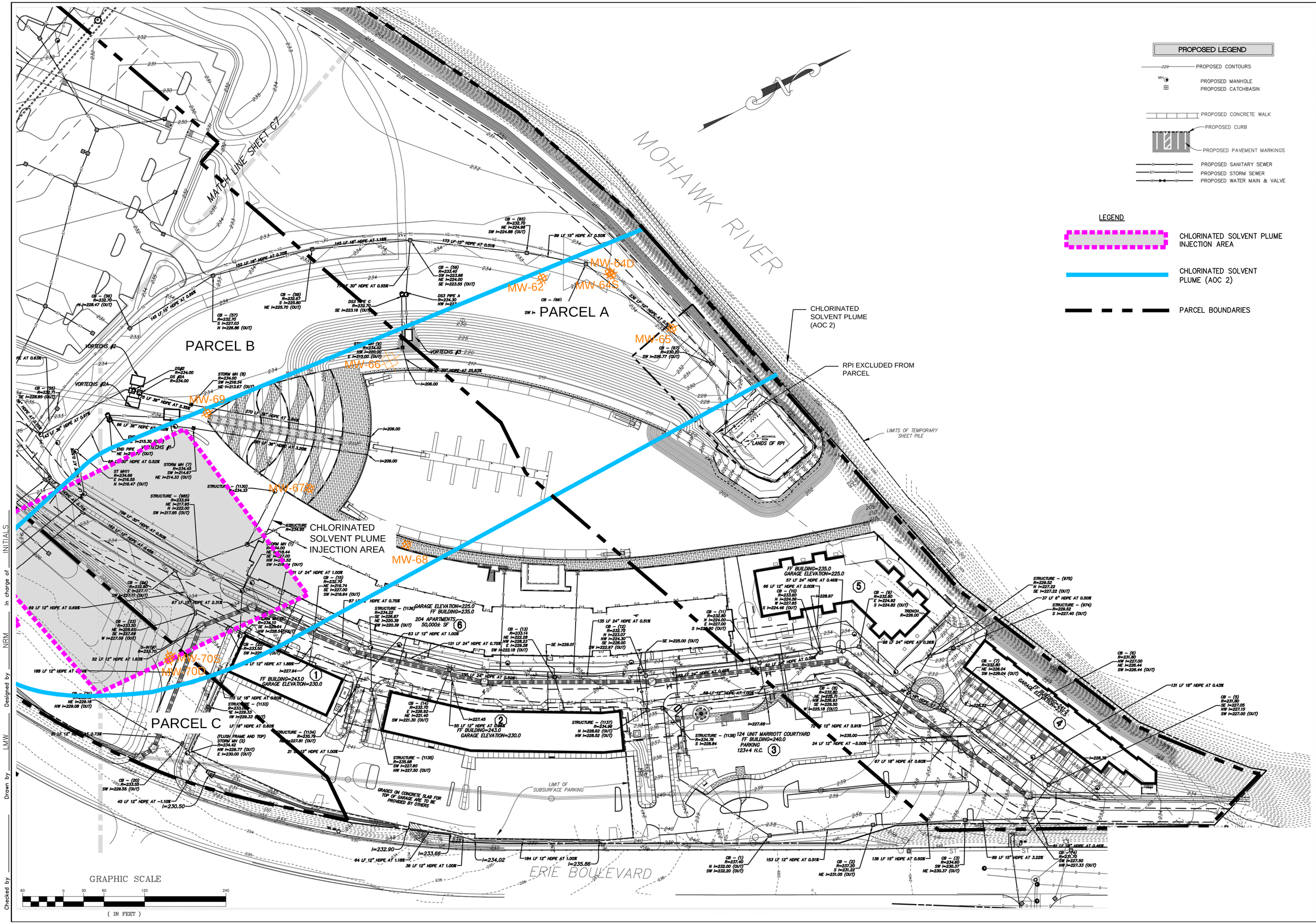
cc:	Steve Porter, Esq.	- Maxon ALCO Holdings LLC
	Steve Luciano	- Maxon ALCO Holdings LLC
	Paul Fallati	- Maxon ALCO Holdings LLC
	Dean Sommer, Esq.	- Young Sommer
	Rich Ostrov	- NYSDEC Region 4, OGC
	Al DeMarco	-NYSDOH

PARAMETER	PART 703[1]	UNITS	Baseline Sampling 2/29/2016									
			MW-65		**MW-64S**		**MW-64D**		**MW-62**		**FIELD DUP**	
			Result	DF	Result	DF	Result	DF	Result	DF	Result	DF
1,1-Dichloroethene	5	UG/L	**1.6**	1	-	1	**9.7**	1	-	1	**9.5**	1
Acetone	[50]	UG/L	**6.5 J**	1	**2.7 J**	1	**1.2 J**	1	-	1	-	1
cis-1,2-Dichloroethene	5	UG/L	**570 D**	5	-	1	**1100 D**	10	**420 D**	3	**990 D**	10
Methyl tert-butyl ether	10	UG/L	**1.7**	1	-	1	-	1	-	1	-	1
Tetrachloroethene	5	UG/L	**390 D**	5	-	1	-	1	-	1	**1**	1
Toluene	5	UG/L	-	1	-	1	-	1	-	1	-	1
trans-1,2-Dichloroethene	5	UG/L	**5.6**	1	-	1	**40**	1	**24**	1	**39**	1
Trichloroethene	5	UG/L	**260 D**	5	-	1	**900 D**	10	**1.5**	1	**890 D**	10
Vinyl chloride	2	UG/L	**590 D**	5	-	1	**820 D**	10	**120**	1	**660 D**	10
Magnesium	[35]	MG/L	**32.4**	1	**15.5**	1	**39.2**	1	**26.4**	1	**41.3**	1
Sodium	20	MG/L	**219**	1	**31.4**	1	**347**	1	**395**	1	**367**	1
Chloride	250	MG/L	**418 D**	10	**22.6**	1	**509 D**	100	**498 D**	100	**510 D**	100
Hardness	-	MG/L	**530 D**	10	**310 D**	10	**570 D**	10	**450 D**	10	**540 D**	10

1. 6 NYCRR Part 703.5 Groundwater Quality Standards
D Results for Dilution
DF Dilution Factor
- Not Detected
[] Guidance Value
Field Dup collected from MW-64D

			PARCEL A																							
			MW-52						MW-25D						MW-63		MW-62				MW-64S		MW-64D		MW-65	
			4/23/2012		4/23/2012		6/17/2013		4/23/2012		4/23/2012		6/17/2013		6/17/2013		6/17/2013		9/11/2015		2/29/2016		2/29/2016		2/29/2016	
Parameter	PART 703	Units	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF
1,1-Dichloroethane	5	µg/l	-	1	-	20	**1.52**	1	-	1	-	4	-	1	**3.41**	1	-	1	-	1	-	1	-	1	-	1
1,1-Dichloroethene	5	µg/l	**5.2 J**	1	**13 J**	20	-	1	**0.63 J**	1	-	4	-	1	-	1	-	1	**2.7**	1	-	1	-	1	**9.7**	1	**1.6**	1
Acetone	50	µg/l	-	1	-	20	-	1	-	1	-	4	-	1	-	1	-	1	-	1	-	1	**2.7**	1	**1.2**	1	**6.5**	1
Chloroform	7	µg/l	-	1	-	20	-	1	**0.47 J**	1	-	4	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1
cis-1,2-Dichloroethene	5	µg/l	**450 EJ**	1	**970**	20	**111**	1	**220 EJ**	1	**280**	4	**109**	1	**2720**	1	**2260**	1	**1000 D**	10	**420**	3	-	1	**1100**	10	**570**	5
Methyl tert-butyl ether	10	µg/l	-	1	-	20	-	1	-	1	-	4	-	1	-	1	-	1	NA	1	-	1	-	1	-	1	**1.7**	1
Tetrachloroethene	5	µg/l	**25 J**	1	**43**	20	-	1	**28**	1	**34**	4	**17.3**	1	**82.7**	1	-	1	NA	1	-	1	-	1	-	1	**390**	5
trans-1,2-Dichloroethene	5	µg/l	**13 J**	1	**30**	20	-	1	-	1	-	4	-	1	**48.5**	1	**48.4**	1	NA	1	**24**	1	-	1	**40**	1	**5.6**	1
Trichloroethene	5	µg/l	**400 EJ**	1	**760**	20	**17.4**	1	**34**	1	**42**	4	**14.9**	1	**206**	1	**18.7**	1	NA	1	**1.5**	1	-	1	**900**	10	**260**	5
Vinyl chloride	2	µg/l	**25 J**	1	**47 J**	20	**5.94**	1	**6.1**	1	**7.8**	4	-	1	**21**	1	-	1	NA	1	**120**	1	-	1	**820**	10	**590**	5
Calcium	-	MG/L	NA		NA		NA		NA		NA		NA		NA		NA		NA		**152**	1	**108**	1	**172**	1	**171**	1
Magnesium	[35]	MG/L	NA		NA		NA		NA		NA		NA		NA		NA		NA		**26.4**	1	**15.5**	1	**39.2**	1	**32.4**	1
Potassium	-	MG/L	NA		NA		NA		NA		NA		NA		NA		NA		NA		**6.66**	1	**7.37**	1	**5.88**	1	**6.15**	1
Sodium	20	MG/L	NA		NA		NA		NA		NA		NA		NA		NA		NA		**395**	1	**31.4**	1	**347**	1	**219**	1
Chloride	250	MG/L	NA		NA		NA		NA		NA		NA		NA		NA		NA		**498 D**	100	**22.6**	1	**509 D**	100	**418 D**	10
Sulfate	250	MG/L	NA		NA		NA		NA		NA		NA		NA		NA		NA		**47.9 D**		**2.48 J**	1	**54 D**	10	**29.8**	1
Hardness	-	MG/L	NA		NA		NA		NA		NA		NA		NA		NA		NA		**450 D**	10	**310 D**	10	**570 D**	10	**530 D**	10

1. 6 NYCRR Part 703.5 Groundwater Quality Standards
D Results for Dilution
J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.
EJ - Result exceeded the calibration range. Analyte is present, but the reported value may be associated with a higher level of uncertanity than is normally expected with the analytical method.
DF Dilution Factor
- Not Detected
[] Guidance Value
NA Not Analyzed



PROPOSED LEGEND

- PROPOSED CONTOURS
- PROPOSED MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED CONCRETE WALK
- PROPOSED CURB
- PROPOSED PAVEMENT MARKINGS
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED WATER MAIN & VALVE

LEGEND

- CHLORINATED SOLVENT PLUME INJECTION AREA
- CHLORINATED SOLVENT PLUME (AOC 2)
- PARCEL BOUNDARIES

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

COMPLETED CONSTRUCTION

Significant Construction Changes Are Shown

By _____ Date _____

Ck'd _____ Date _____

REVISIONS

GALESI GROUP
MAXON ALCO HOLDINGS, LLC

Parcels A, B, and C Monitoring Well Networks for the Chlorinated Solvent Plume

CITY OF SCHENECTADY — SCHENECTADY COUNTY, NEW YORK

Barton & Loguidice, D.P.C.

Date: JANUARY 2016

Scale: 1"=60'

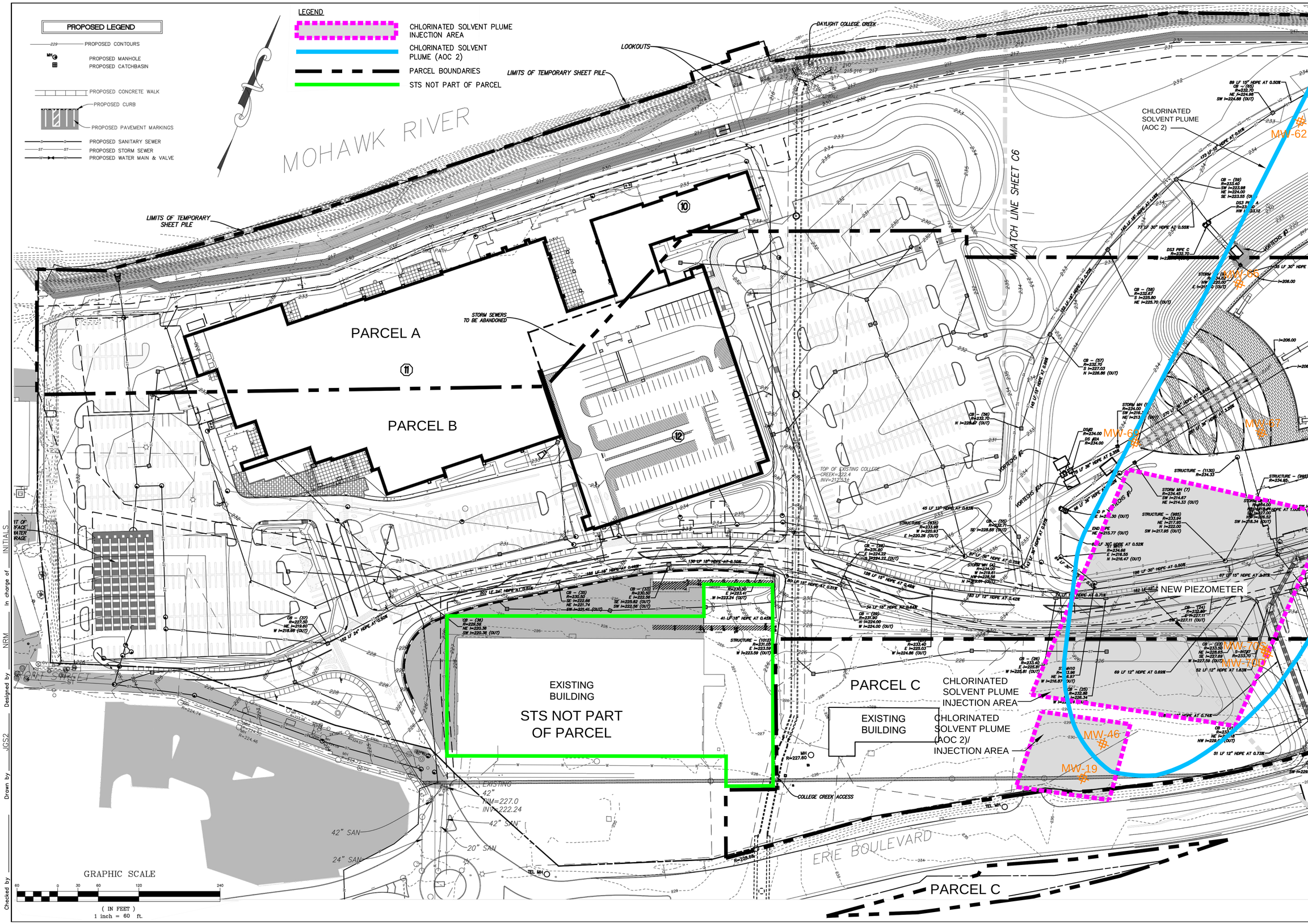
Sheet Number: 1

File Number: 1338.008.001

Plotted: Apr 15, 2016 – 11:22AM SYR By: kps
C:\Users\kps\appdata\local\temp\AcPublish_7020\BL_1338.008.001 – Site Plan – Fig 1 & 2_RuM2 edits (ID 9775251).dwg

Drawn by LMW Designed by NRM In charge of ____ INITIALS ____

Checked by



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COMPLETED CONSTRUCTION

Significant Construction Changes Are Shown

By _____ Date _____

Ck'd _____ Date _____

REVISIONS

GALESI GROUP

MAXON ALCO HOLDINGS, LLC

Parcels A, B, and C Monitoring Well Networks for the Chlorinated Solvent Plume

CITY OF SCHENECTADY — SCHENECTADY COUNTY, NEW YORK

Barton & Loguidice, D.P.C.

Date: JANUARY 2016

Scale: 1"=60'

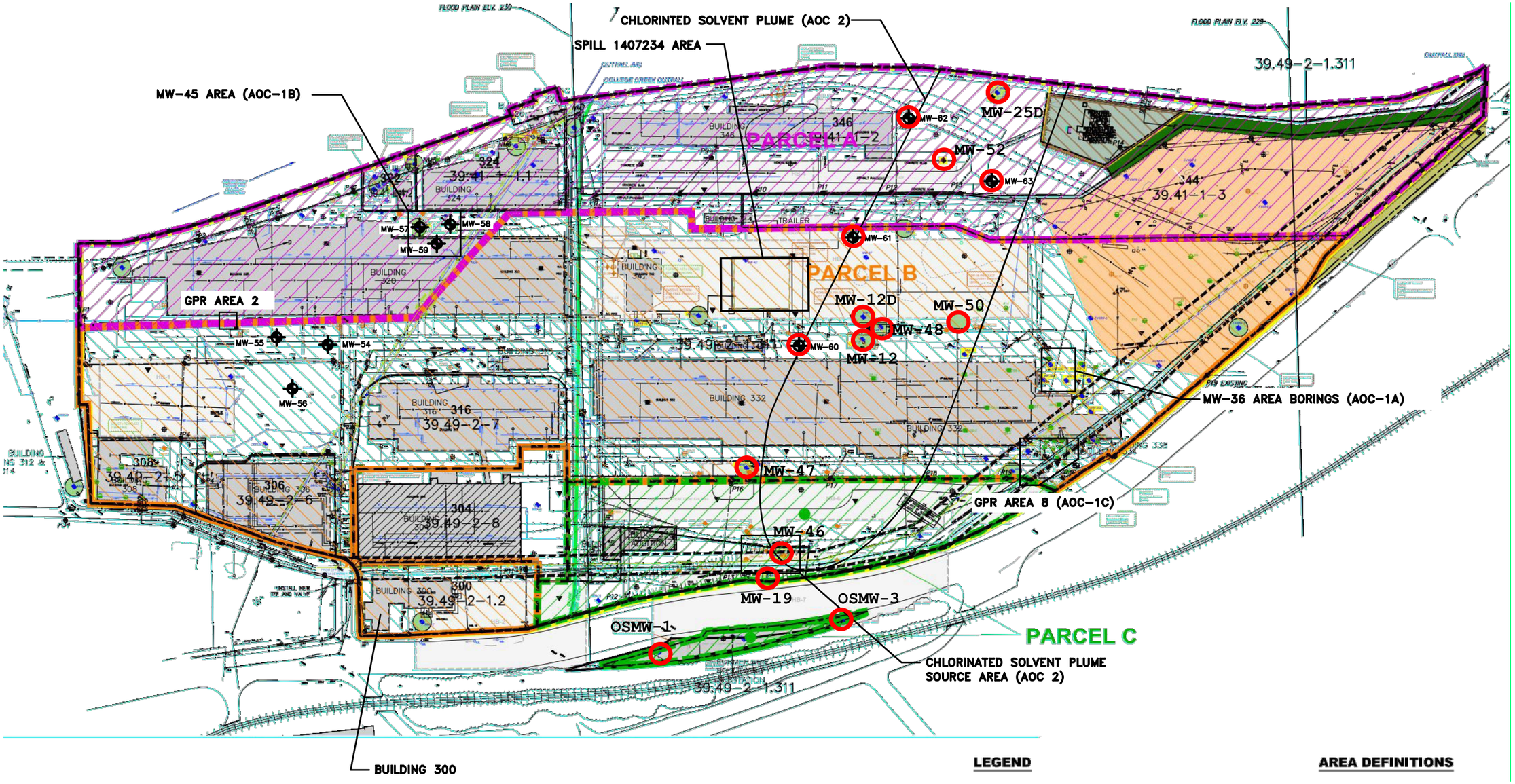
Sheet Number: 2

File Number: 1338.008.001

Plotted: Apr 15, 2016 – 11:22AM STR By: kps
C:\Users\kps\appdata\local\temp\AcPublish_7020\BL_1338.008.001 – Site Plan – Fig 1 & 2_RAW2 edits (10 9775253).dwg

Drawn by JGS2 Designed by NRM In charge of INITIALS

Checked by



MAP REFERENCE:

1) "SURVEY OF LANDS, ALCO LOCOMOTIVE, INC., CITY OF SCHENECTADY, COUNTY OF SCHENECTADY", DATED MARCH 1970, AS PREPARED BY C.T. MALE ASSOCIATES.

2) "A SUBDIVISION OF A PORTION OF LANDS OF SCHENECTADY INDUSTRIAL CORPORATION", DATED JUNE 30, 1988, AS PREPARED BY THE ENVIRONMENTAL DESIGN PARTNERSHIP.

3) "SITE PLAN, PROPOSED C & D RECYCLING FACILITY, NOTT STREET INDUSTRIAL PARK", DATED FEBRUARY 1995, AS PREPARED BY INGALLS SMART ASSOCIATES.

SOURCE:

1) ABD ENGINEERS AND SURVEYORS FEBRUARY 1988, REVISED NOVEMBER 1999.

2) HISTORIC BUILDING (HB) LOCATIONS BASED ON A "FUEL OIL PIPING" PLAN, PREPARED FOR AMERICAN LOCOMOTIVE CO., REVISED AUGUST 22,195.

LEGEND

- PROPERTY BOUNDARY
- BCP SITE BOUNDARY
- MANHOLE WITH DRAINAGE STUCTURE NUMBER
- CATCH BASIN WITH DRAINAGE STRUCTURE NUMBER
- LIFT STATION WITH DRAINAGE STRUCTURE NUMBER
- MANHOLE (M.H.)
- CATCH BASIN (C.B.)
- OW-2 MONITORING WELL (MW)
- TMW-6 TEMPORARY MONITORING WELL (TMW)
- RW-01 RECOVERY WELL
- P-2 PIEZOMETER
- DB-18 GEOPROBE BORING
- SS-5 SURFACE SOIL SAMPLE LOCATION (SS)
- SB-2 SOIL BORING LOCATION
- MW-63 MONITORING WELL (SRI INVESTIGATION 2013)
- Chlorinated Solvent Plume MW

AREA DEFINITIONS

- BUILDINGS/STRUCTURES
- HB FORMER BUILDINGS (PREVIOUSLY DEMOLISHED)
- "EVI" PARCEL
- "RPI" PARCEL
- OTHER PROPERTIES NO PART OF SITE
- REMEDIATION AREA
- FORMER UST/AST LOCATIONS

MAXON ALCO HOLDINGS, LLC

CITY OF SCHENECTADY NEW YORK

Former Monitoring Well Network for the Chlorinated Solvent Plume

Barton & Loguidice, D.P.C.

Date
MARCH, 2015

Scale
1" = 100'

Figure Number
3

Project Number
1368.001.001

Plotted: Mar 24, 2015 – 3:27PM SYR By: jgs
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June 13, 2016

Mr. John R. Strang, P.E.
Environmental Engineer 2
New York State Department of Environmental Conservation
Region 4
1130 South Westcott Road
Schenectady, New York 12306-2014

Via Electronic Mail

Re: Chlorinated Solvent Plume- Monitoring Well Baseline Sampling
Parcel A Monitoring Well Network
ALCO – BCP Site C447042
Schenectady, NY

Dear Mr. Strang:

On behalf of Maxon ALCO Holdings, LLC, Barton & Loguidice, Inc. (B&L) has prepared the following report for the results of the Parcel A Monitoring Well Network (Network) post remedial injection work sampling for the Chlorinated Solvent Plume.

Summary of IRM Activities

The Parcel A Monitoring Well Network sampling activities were undertaken in accordance with the January 2016 approved Parcel A Remedial Design Report dated December 2015. The Network is composed of the following:

MW	PARCEL	DEPTH*
MW-65	A	69.65
MW-64S	A	38.55
MW-64D	A	70.15
MW-62	A	63.2

*measured from top of casing

Groundwater sampling of the Network was conducted on May 10, 2016; four weeks post remedial injection work.

Summary of Sample Results

A total of five (5) groundwater samples (including a duplicate) were collected from monitoring wells shown on the attached figure. Groundwater samples were analyzed for volatile organic compounds (VOCs), sodium, potassium, calcium, magnesium, sulfate, chloride, hardness, and nitrate. Detections are summarized on the attached table. The five (5) groundwater samples had one or more of the following at concentrations above their respective 6 NYCRR Part 703.5 Groundwater Quality Standards:

- 1,1-Dichloroethene,
- cis-1,2-Dichloroethene,
- Tetrachloroethene,
- trans-1,2-Dichloroethene,
- Trichloroethene,
- Vinyl chloride,
- Chloride, and
- Sodium.

As discussed in the Supplemental Remedial Investigation (SRI) Report (B&L, 2013), the plume moves across the site towards the Mohawk River, along the established hydraulic gradient, moving deeper with distance from the source. Some breakdown of the original source area contaminant is evident as the plume traverses the site. Within the source area on Parcel C, tetrachloroethene (PCE) is the primary contaminant, while its breakdown cis1,2-dichloroethene (12 -DCE) is the primary contaminant at the extremities of the plume on Parcel A. The sequential breakdown of chlorinated solvents such as PCE and trichloroethene (TCE) in the subsurface due to biological and chemical processes has been documented in numerous sites in New York and in research articles, and is discussed in detail in Weidemeier, et al, 1999. Such degradation is at work at this site.

The post remedial injection work groundwater samples exhibit lower concentrations of the observed contaminants when compared to the baseline samples collected on February 29, 2016.

Additional sampling of the Network will be conducted eight (8) weeks post remedial injection work on Parcels B and C. Please feel free to contact the undersigned at (518) 218-1801 with any questions or need for additional information.

Very truly yours,

BARTON & LOGUIDICE, INC.

Andrew J. Barber
Sr. Environmental Consultant

AJB/akd
Enclosure

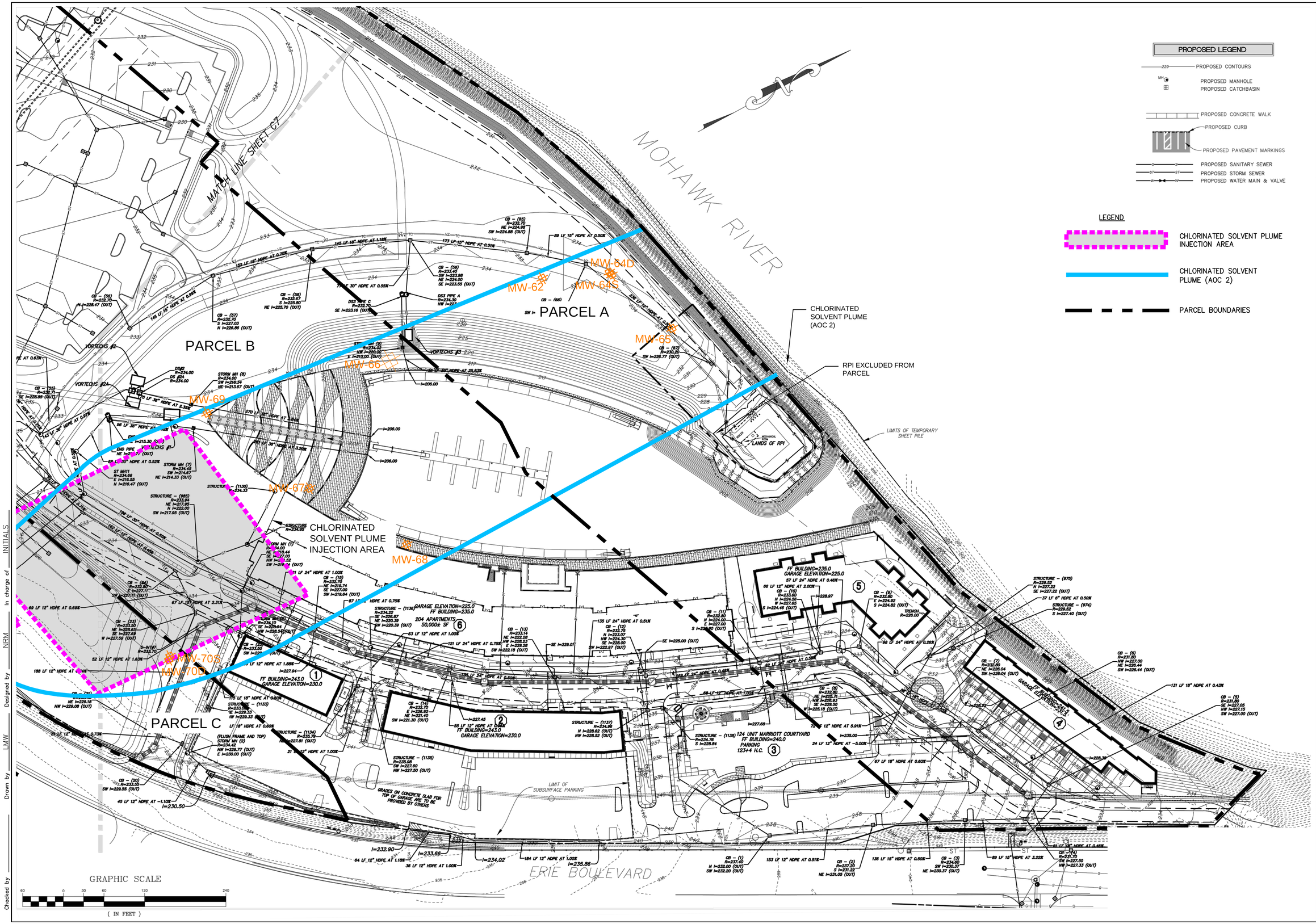
cc:	Steve Porter, Esq.	- Maxon ALCO Holdings LLC
	Steve Luciano	- Maxon ALCO Holdings LLC
	Paul Fallati	- Maxon ALCO Holdings LLC
	Dean Sommer, Esq.	- Young Sommer
	Rich Ostrov	- NYSDEC Region 4, OGC
	Al DeMarco	-NYSDOH

			Four Weeks Post Remedial Injection Work Sampling							
			MW-62		**MW-64S**		**MW-64D**		**MW-65**	
			5/10/16							
Parameter	PART 703	Units	Result	DF	Result	DF	Result	DF	Result	DF
1,1-Dichloroethane	5	µg/l	-	1	-	1	-	1	-	1
1,1-Dichloroethene	5	µg/l	-	1	-	1	7.7	1	-	1
Acetone	50	µg/l	-	1	-	1	-	1	1.4 J	1
Chloroform	7	µg/l	-	1	-	1	-	1	-	1
cis-1,2-Dichloroethene	5	µg/l	430 D	5	-	1	1000 D	10	320 D	5
Methyl tert-butyl ether	10	µg/l	-	1	-	1	-	1	-	1
Tetrachloroethene	5	µg/l	-	1	-	1	-	1	170	1
trans-1,2-Dichloroethene	5	µg/l	29	1	-	1	29	1	2.4	1
Trichloroethene	5	µg/l	1.6	1	-	1	550 D	10	94	1
Vinyl chloride	2	µg/l	89	1	-	1	230 Dc	10	97	1
Calcium	-	MG/L	187	1	212	1	114	1	169	1
Magnesium	[35]	MG/L	29.6	1	45.1	1	15.2	1	35.5	1
Potassium	-	MG/L	6.47	1	6.37	1	9.31	1	5.27	1
Sodium	20	MG/L	352	1	376	1	32.2	1	218	1
Chloride	250	MG/L	517 D	100	33.9	1	582 D	100	352	1
Sulfate	250	MG/L	56 D	5	-	1	58.9	5	26.2	1
Nitrate	10	MG/L	0.212	1	-	1	-	1	-	1
Hardness	-	MG/L	589	1	347	1	714	1	569	1

1. 6 NYCRR Part 703.5 Groundwater Quality Standards
D Results for Dilution
J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.
The concentration given is an approximate value.
EJ - Result exceeded the calibration range. Analyte is present, but the reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
DF Dilution Factor
- Not Detected
[] Guidance Value

			PARCEL A																													
			MW-52						MW-25D						MW-63		MW-62						MW-64S				MW-64D				MW-65	
			4/23/2012		4/23/2012		6/17/2013		4/23/2012		4/23/2012		6/17/2013		6/17/2013		6/17/2013		9/11/2015		2/29/2016		5/10/2016		2/29/2016		5/10/2016		2/29/2016		5/10/2016	
Parameter	Part 703	Units	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF
1,1-Dichloroethane	5	µg/l	-	1	-	20	1.52	1	-	1	-	4	-	1	3.41	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1
1,1-Dichloroethene	5	µg/l	5.2 J	1	13 J	20	-	1	0.63 J	1	-	4	-	1	-	1	-	1	2.7	1	-	1	-	1	-	1	9.7	1	7.7	1	1.6	1	-	1
Acetone	50	µg/l	-	1	-	20	-	1	-	1	-	4	-	1	-	1	-	1	-	1	-	1	-	1	2.7	1	-	1	1.2	1	-	1	6.5	1	1.4 J	1
Chloroform	7	µg/l	-	1	-	20	-	1	0.47 J	1	-	4	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1
cis-1,2-Dichloroethene	5	µg/l	450 EJ	1	970	20	111	1	220 EJ	1	280	4	109	1	2720	1	2260	1	1000 D	10	420	3	430 D	5	-	1	-	1	1100	10	1000 D	10	570	5	320 D	5
Methyl tert-butyl ether	10	µg/l	-	1	-	20	-	1	-	1	-	4	-	1	-	1	-	1	NA	1	-	1	-	1	-	1	-	1	-	1	-	1	1.7	1	-	1
Tetrachloroethene	5	µg/l	25 J	1	43	20	-	1	28	1	34	4	17.3	1	82.7	1	-	1	NA	1	-	1	-	1	-	1	-	1	-	1	-	1	390	5	170	1
trans-1,2-Dichloroethene	5	µg/l	13 J	1	30	20	-	1	-	1	-	4	-	1	48.5	1	48.4	1	NA	1	24	1	29	1	-	1	-	1	40	1	29	1	5.6	1	2.4	1
Trichloroethene	5	µg/l	400 EJ	1	760	20	17.4	1	34	1	42	4	14.9	1	206	1	18.7	1	NA	1	1.5	1	1.6	1	-	1	-	1	900	10	550 D	10	260	5	94	1
Vinyl chloride	2	µg/l	25 J	1	47 J	20	5.94	1	6.1	1	7.8	4	-	1	21	1	-	1	NA	1	120	1	89	1	-	1	-	1	820	10	230 Dc	10	590	5	97	1
Calcium	-	mg/l	NA		NA		NA		NA		NA		NA		NA		NA		NA		152	1	187	1	108	1	212	1	172	1	114	1	171	1	169	1
Magnesium	[35]	mg/l	NA		NA		NA		NA		NA		NA		NA		NA		NA		26.4	1	29.6	1	15.5	1	45.1	1	39.2	1	15.2	1	32.4	1	35.5	1
Potassium	-	mg/l	NA		NA		NA		NA		NA		NA		NA		NA		NA		6.66	1	6.47	1	7.37	1	6.37	1	5.88	1	9.31	1	6.15	1	5.27	1
Sodium	20	mg/l	NA		NA		NA		NA		NA		NA		NA		NA		NA		395	1	352	1	31.4	1	376	1	347	1	32.2	1	219	1	218	1
Chloride	250	mg/l	NA		NA		NA		NA		NA		NA		NA		NA		NA		498 D	100	517 D	100	22.6	1	33.9	1	509 D	100	582 D	100	418 D	10	352	1
Sulfate	250	mg/l	NA		NA		NA		NA		NA		NA		NA		NA		NA		47.9 D		56 D	5	2.48 J	1	-	1	54 D	10	58.9	5	29.8	1	26.2	1
Nitrate	10	mg/l	NA		NA		NA		NA		NA		NA		NA		NA		NA		-	1	0.212	1	-	1	-	1	-	1	-	1	-	1	-	1
Hardness	-	mg/l	NA		NA		NA		NA		NA		NA		NA		NA		NA		450 D	10	589	1	310 D	10	347	1	570 D	10	714	1	530 D	10	569	1

1. 6 NYCRR Part 703.5 Groundwater Quality Standards
D Results for Dilution
J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.
The concentration given is an approximate value.
EJ - Result exceeded the calibration range. Analyte is present, but the reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
DF Dilution Factor
- Not Detected
[] Guidance Value
NA Not Analyzed



PROPOSED LEGEND

- PROPOSED CONTOURS
- PROPOSED MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED CONCRETE WALK
- PROPOSED CURB
- PROPOSED PAVEMENT MARKINGS
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED WATER MAIN & VALVE

LEGEND

- CHLORINATED SOLVENT PLUME INJECTION AREA
- CHLORINATED SOLVENT PLUME (AOC 2)
- PARCEL BOUNDARIES

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

COMPLETED CONSTRUCTION

Significant Construction Changes Are Shown

By _____ Date _____

Ck'd _____ Date _____

REVISIONS

GALESI GROUP
MAXON ALCO HOLDINGS, LLC

Parcels A, B, and C Monitoring Well Networks for the Chlorinated Solvent Plume

CITY OF SCHENECTADY — SCHENECTADY COUNTY, NEW YORK

Barton & Loguidice, D.P.C.

Date: JANUARY 2016

Scale: 1"=60'

Sheet Number: 1

File Number: 1338.008.001

Plotted: Apr 15, 2016 – 11:22AM SYR By: kps
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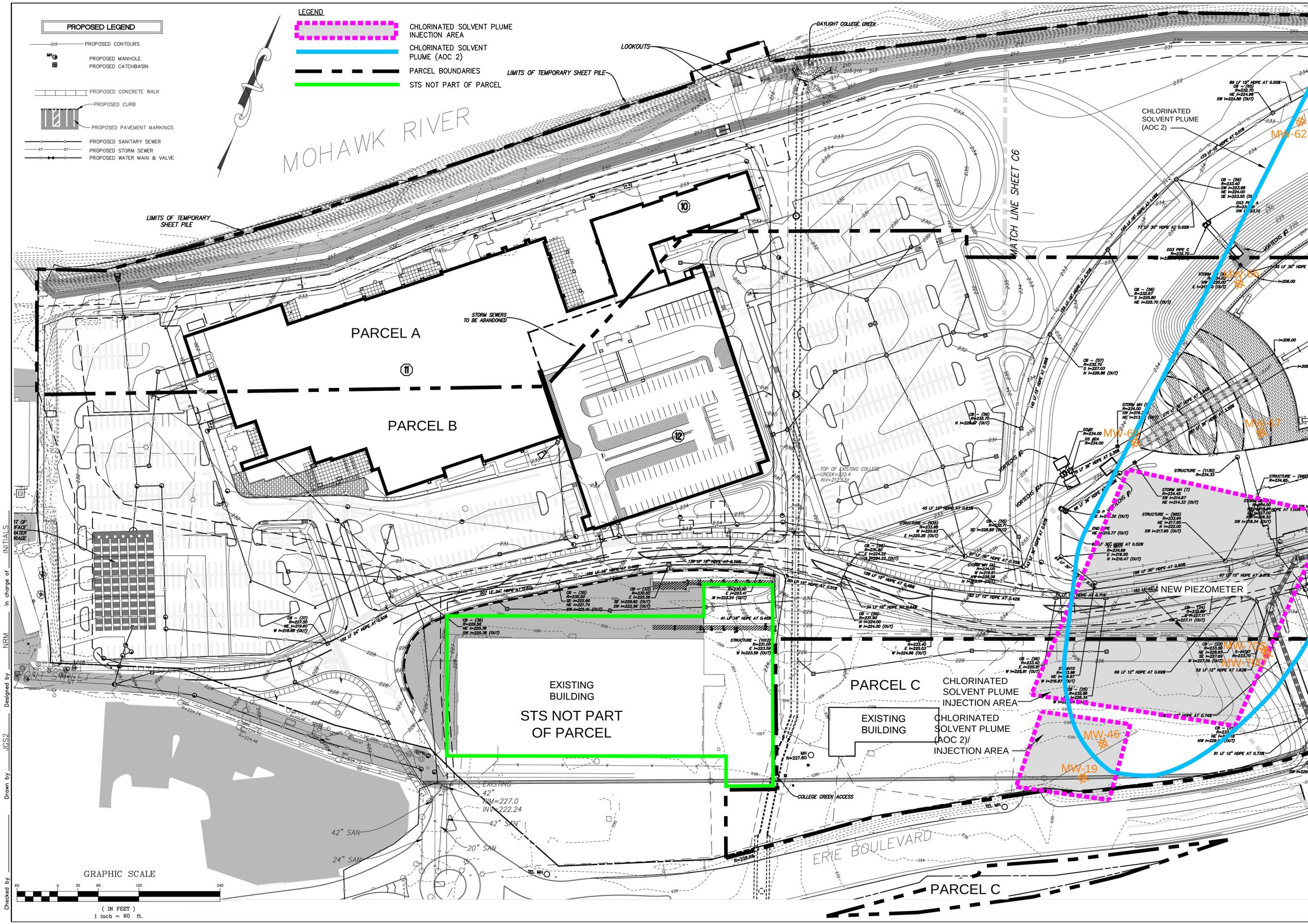
Drawn by LMW Designed by NRM In charge of ____ INITIALS ____

Checked by



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COMPLETED CONSTRUCTION

Significant Construction Changes Are Shown

By _____ Date _____

Ck'd _____ Date _____

REVISIONS

GALESI GROUP

MAXON ALCO HOLDINGS, LLC

Parcels A, B, and C Monitoring Well Networks for the Chlorinated Solvent Plume

CITY OF SCHENECTADY — SCHENECTADY COUNTY, NEW YORK

Barton & Loguidice, D.P.C.

Date: JANUARY 2016

Scale: 1"=60'

Sheet Number: 2

File Number: 1338.008.001

Plotted: Apr 15, 2016 – 11:22AM STR By: kps
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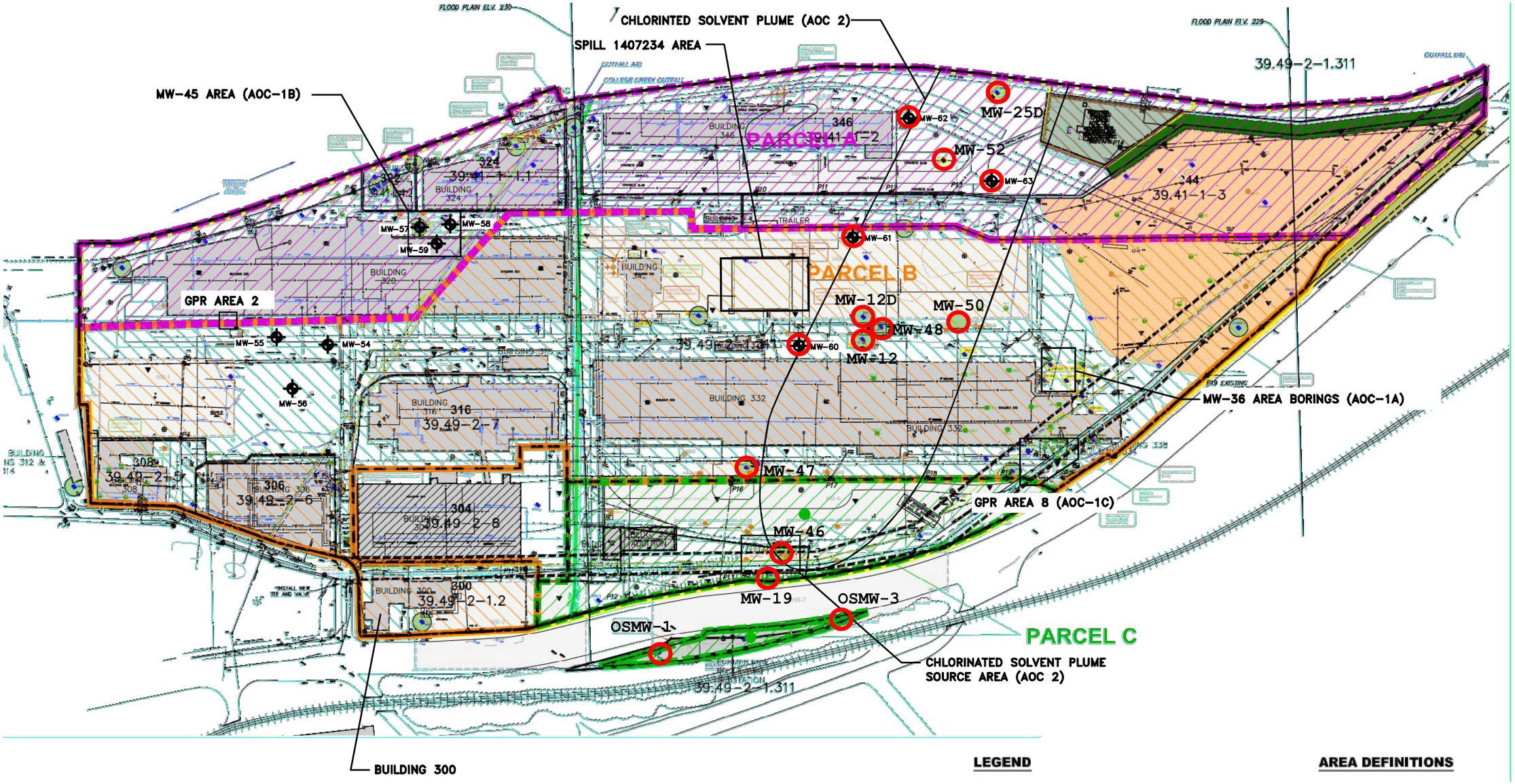
Drawn by JGS2 Designed by NRM In charge of INITIALS

Checked by



MAP REFERENCE:

1) "SURVEY OF LANDS, ALCO LOCOMOTIVE, INC., CITY OF SCHENECTADY, COUNTY OF SCHENECTADY", DATED MARCH 1970, AS PREPARED BY C.T. MALE ASSOCIATES.

2) "A SUBDIVISION OF A PORTION OF LANDS OF SCHENECTADY INDUSTRIAL CORPORATION", DATED JUNE 30, 1988, AS PREPARED BY THE ENVIRONMENTAL DESIGN PARTNERSHIP.

3) "SITE PLAN, PROPOSED C & D RECYCLING FACILITY, NOTT STREET INDUSTRIAL PARK", DATED FEBRUARY 1995, AS PREPARED BY INGALLS SMART ASSOCIATES.

SOURCE:

1) ABD ENGINEERS AND SURVEYORS FEBRUARY 1988, REVISED NOVEMBER 1999.

2) HISTORIC BUILDING (HB) LOCATIONS BASED ON A "FUEL OIL PIPING" PLAN, PREPARED FOR AMERICAN LOCOMOTIVE CO., REVISED AUGUST 22,195.

LEGEND

- PROPERTY BOUNDARY
- BCP SITE BOUNDARY
- MANHOLE WITH DRAINAGE STUCTURE NUMBER
- CATCH BASIN WITH DRAINAGE STRUCTURE NUMBER
- LIFT STATION WITH DRAINAGE STRUCTURE NUMBER
- MANHOLE (M.H.)
- CATCH BASIN (C.B.)
- OW-2 MONITORING WELL (MW)
- TMW-6 TEMPORARY MONITORING WELL (TMW)
- RW-01 RECOVERY WELL
- P-2 PIEZOMETER
- DB-18 GEOPROBE BORING
- SS-5 SURFACE SOIL SAMPLE LOCATION (SS)
- SB-2 SOIL BORING LOCATION
- MW-63 MONITORING WELL (SRI INVESTIGATION 2013)
- Chlorinated Solvent Plume MW

AREA DEFINITIONS

- BUILDINGS/STRUCTURES
- HB FORMER BUILDINGS (PREVIOUSLY DEMOLISHED)
- "EVI" PARCEL
- "RPI" PARCEL
- OTHER PROPERTIES NO PART OF SITE
- REMEDIATION AREA
- FORMER UST/AST LOCATIONS

MAXON ALCO HOLDINGS, LLC

CITY OF SCHENECTADY NEW YORK

Former Monitoring Well Network for the Chlorinated Solvent Plume

Barton & Loguidice, D.P.C.

Date
MARCH, 2015

Scale
1" = 100'

Figure Number
3

Project Number
1368.001.001

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August 23, 2016

Mr. John R. Strang, P.E.
Environmental Engineer 2
New York State Department of Environmental Conservation
Region 4
1130 South Westcott Road
Schenectady, New York 12306-2014

Via Electronic Mail

Re: Chlorinated Solvent Plume- Monitoring Well Baseline Sampling
Parcel A Monitoring Well Network
ALCO – BCP Site C447042
Schenectady, NY

Dear Mr. Strang:

On behalf of Maxon ALCO Holdings, LLC, Barton & Loguidice, Inc. (B&L) has prepared the following report for the results of the Parcel A Monitoring Well Network (Network) post remedial injection work sampling for the Chlorinated Solvent Plume.

Summary of IRM Activities

The Parcel A Monitoring Well Network sampling activities were undertaken in accordance with the January 2016 approved Parcel A Remedial Design Report dated December 2015. The Network is composed of the following:

MW	PARCEL	DEPTH*
MW-65	A	69.65
MW-64S	A	38.55
MW-64D	A	70.15
MW-62	A	63.2

*measured from top of casing

Groundwater sampling of the Network was conducted on June 15, 2016 and July 13, 2016; eight and twelve weeks post remedial injection work.

Summary of Sample Results

A total of five (5) groundwater samples (including a duplicate) were collected from monitoring wells shown on the attached figure during each sampling event. Groundwater samples were analyzed for volatile organic compounds (VOCs), sodium, potassium, calcium, magnesium, sulfate, chloride, hardness, and nitrate. Detections are summarized on the attached table. The five (5) groundwater samples had one or more of the following at concentrations above their respective 6 NYCRR Part 703.5 Groundwater Quality Standards:

- 1,1-Dichloroethene,
- cis-1,2-Dichloroethene,
- Tetrachloroethene,
- trans-1,2-Dichloroethene,
- Trichloroethene,
- Vinyl chloride,
- Chloride, and
- Sodium.

As discussed in the Supplemental Remedial Investigation (SRI) Report (B&L, 2013), the plume moves across the site towards the Mohawk River, along the established hydraulic gradient, moving deeper with distance from the source. Some breakdown of the original source area contaminant is evident as the plume traverses the site. Within the source area on Parcel C, tetrachloroethene (PCE) is the primary contaminant, while its breakdown cis1,2-dichloroethene (12 -DCE) is the primary contaminant at the extremities of the plume on Parcel A. The sequential breakdown of chlorinated solvents such as PCE and trichloroethene (TCE) in the subsurface due to biological and chemical processes has been documented in numerous sites in New York and in research articles, and is discussed in detail in Weidemeier, et al, 1999.

The eight and twelve weeks post remedial injection work groundwater samples exhibit slightly elevated concentrations of the observed contaminants when compared to the baseline samples collected on February 29, 2016. When compared to the samples collected four weeks post remedial work, the eight and twelve weeks post remedial injection work groundwater samples exhibit similar or slightly elevated concentrations of the observed contaminants.

Concentrations of 1,2-dichloroethene (12-DCE) have increased from the baseline sampling in both wells MW-62 and MW-64D, which is consistent with experience with oxidant injection at other sites in New York State. The increase results from residual oxidant action that liberates sorbed contaminant, temporarily putting more contaminant mass into dissolved phase.

Additional sampling of the Network will be conducted sixteen (16) weeks post remedial injection work on Parcels B and C. Please feel free to contact the undersigned at (518) 218-1801 with any questions or need for additional information.

Very truly yours,

BARTON & LOGUIDICE, INC.

Andrew J. Barber

Andrew J. Barber
Sr. Environmental Consultant

AJB/akd
Enclosure

cc:	Steve Porter, Esq.	- Maxon ALCO Holdings LLC
	Steve Luciano	- Maxon ALCO Holdings LLC
	Paul Fallati	- Maxon ALCO Holdings LLC
	Dean Sommer, Esq.	- Young Sommer
	Rich Ostrov	- NYSDEC Region 4, OGC
	Al DeMarco	-NYSDOH

ALCO Brownfield Site
301 Nott Road, Schenectady, NY
CHLORINATED SOLVENT PLUME WATER QUALITY DATA

GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS				TOTAL METALS			
	TEMP. (deg. 4)	Eh (mV)	pH (Std Units)	SPEC. COND. (uS/cm)	TURB. (NTU)	HARD. (mg/l CaCO3)	NO3-N (mg/l)	Cl (mg/l)	SO4 (mg/l)	Ca (mg/l)	Mg (mg/l)	K (mg/l)	Na (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	-	10	250	250	-	[35]	-	20
Shallow Monitoring Well **MW-62**													
27-Sep-11	-	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Sep-15	-	-	-	-	-	-	-	-	-	-	-	-	-
01-Mar-16	**51.44**	-	**7.16**	**2650**	-	**450**	D <0.165 U	**498** D	**47.9**	**152**	**26.4**	**6.66**	**395**
10-May-16						**589**	**0.212**	**517** D	**56** D	**187** E	**29.6** E	**6.47**	**352** E
15-Jun-16	**60.80**		**6.94**	**3010**	-	**568**	<0.165 U	**615** D	**60.1** D	**180**	**30**	**5.7**	**390**
13-Jul-16	**65.40**	-	**7.10**	**2870**	-		<0.165 U	**468** D	**12.8**	**188**	**30.2**	**6.82** E	**396**

Baseline

ALCO Brownfield Site
301 Nott Road, Schenectady, NY
CHLORINATED SOLVENT PLUME WATER QUALITY DATA

GROUNDWATER	ORGANIC PARAMETERS									
	1,1-Dichloroethene (ug/l)		cis-1,2-Dichloroethene (ug/l)		trans-1,2-Dichloroethene (ug/l)		Trichloroethene (ug/l)		Vinyl chloride (ug/l)	
6NYCRR Part 703 GROUNDWATER STANDARD	5		5		5		5		2	
Shallow Monitoring Well **MW-62**										
27-Sep-11	-		-		-		-		-	
17-Jun-13	< 1.0		**2260.0**		**48.4**		**18.7**		< 1.0	
11-Sep-15	**2.7**		**1000.0**	D						
01-Mar-16	< 1.0		**420.0**	D	**24.0**		**1.5**		**120.0**	
10-May-16	< 1.0		**430.0**	D	**29.0**		**1.6**		**89.0**	
15-Jun-16	< 10.0		**640.0**	D	**40.0**		**2.0**		**110.0**	c
13-Jul-16	**1.2**	c	**770.0**	D	**47.0**		**1.7**		**120.0**	

Baseline

ALCO Brownfield Site
301 Nott Road, Schenectady, NY
CHLORINATED SOLVENT PLUME WATER QUALITY DATA

GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					TOTAL METALS					ORGANIC PARAMETERS	
	TEMP. (deg. 4)	Eh (mV)	pH (Std Units)	SPEC. COND. (uS/cm)	TURB. (NTU)	HARD. (mg/l CaCO3)	NO3-N (mg/l)	Cl (mg/l)	SO4 (mg/l)		Ca (mg/l)	Mg (mg/l)	K (mg/l)	Na (mg/l)		Acetone (ug/l)	
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	-	10	250	250		-	[35]	-	20		50	
Shallow Monitoring Well **MW-64S**																	
30-Sep-11	-	-	-	-	-	-	-	-	-		-	-	-	-		-	
18-Jun-13	-	-	-	-	-	-	-	-	-		-	-	-	-		-	
11-Sep-15	-	-	-	-	-	-	-	-	-		-	-	-	-		-	
01-Mar-16	**52.70**	-	**6.74**	**1100**	-	**310**	D <0.165 U	**22.6**	**2.48**	J	**108**	**15.5**	**7.37**	**31.4**		**2.7**	J
10-May-16						**347**	<0.165 U	**33.9**	<5.0	U	**114**	E **15.2**	E **9.31**	**32.2**	E	< 10.0	
15-Jun-16	**58.10**		**6.88**	**1030**	-	**339**	<0.165 U	**27.7**	<5.0	U	**110**	**15**	**7.7**	**34**		< 10.0	
13-Jul-16	**62.90**	-	**7.02**	**1000**	-		<0.165 U	**18.9**	<5.0	U	**116**	**14.8**	**7.21**	E **32.3**		< 10.0	

Baseline

ALCO Brownfield Site
301 Nott Road, Schenectady, NY
CHLORINATED SOLVENT PLUME WATER QUALITY DATA

GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS								TOTAL METALS							
	TEMP. (deg. 4)	Eh (mV)	pH (Std Units)	SPEC. COND. (uS/cm)	TURB. (NTU)	HARD. (mg/l CaCO3)		NO3-N (mg/l)		Cl (mg/l)		SO4 (mg/l)		Ca (mg/l)		Mg (mg/l)		K (mg/l)		Na (mg/l)	
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	-		10		250		250		-		[35]		-		20	
Shallow Monitoring Well **MW-64D**																					
27-Sep-11	-	-	-	-	-	-		-		-		-		-		-		-		-	
18-Jun-13	-	-	-	-	-	-		-		-		-		-		-		-		-	
11-Sep-15	-	-	-	-	-	-		-		-		-		-		-		-		-	
01-Mar-16	**53.06**	-	**7.13**	**2890**	-	**570**	D	<0.165	U	**509**	D	**54**	D	**172**		**39.2**		**5.88**		**347**	D
10-May-16						**714**		<0.165	U	**582**	D	**58.9**	D	**212**	E	**45.1**	E	**6.37**		**376**	E
15-Jun-16	**58.40**		**6.92**	**3120**	-	**662**		<0.165	U	**685**	D	**58.2**	D	**200**		**42**		**5.4**		**400**	
13-Jul-16	**64.30**	-	**7.06**	**3060**	-			<0.165	U	**654**	D	**13.6**		**225**		**46.5**		**5.81**	E	**398**	

Baseline

ALCO Brownfield Site
301 Nott Road, Schenectady, NY
CHLORINATED SOLVENT PLUME WATER QUALITY DATA

GROUNDWATER	ORGANIC PARAMETERS									
	1,1-Dichloroethene (ug/l)		cis-1,2-Dichloroethene (ug/l)		trans-1,2-Dichloroethene (ug/l)		Trichloroethene (ug/l)		Vinyl chloride (ug/l)	
6NYCRR Part 703 GROUNDWATER STANDARD	5		5		5		5		2	
Shallow Monitoring Well **MW-64D**										
27-Sep-11	-		-		-		-		-	
18-Jun-13	-		-		-		-		-	
11-Sep-15	-		-		-		-		-	
01-Mar-16	**9.7**		**1100.0**	D	**40.0**		**900.0**	D	**820.0**	
10-May-16	**7.7**		**1000.0**	D	**29.0**		**550.0**		**230.0**	
15-Jun-16	**9.9**		**1100.0**	D	**36.0**		**570.0**	D	**170.0**	D
13-Jul-16	**11.0**	c	**1400.0**	D	**40.0**		**670.0**	D	**250.0**	D
Baseline										

ALCO Brownfield Site
301 Nott Road, Schenectady, NY
CHLORINATED SOLVENT PLUME WATER QUALITY DATA

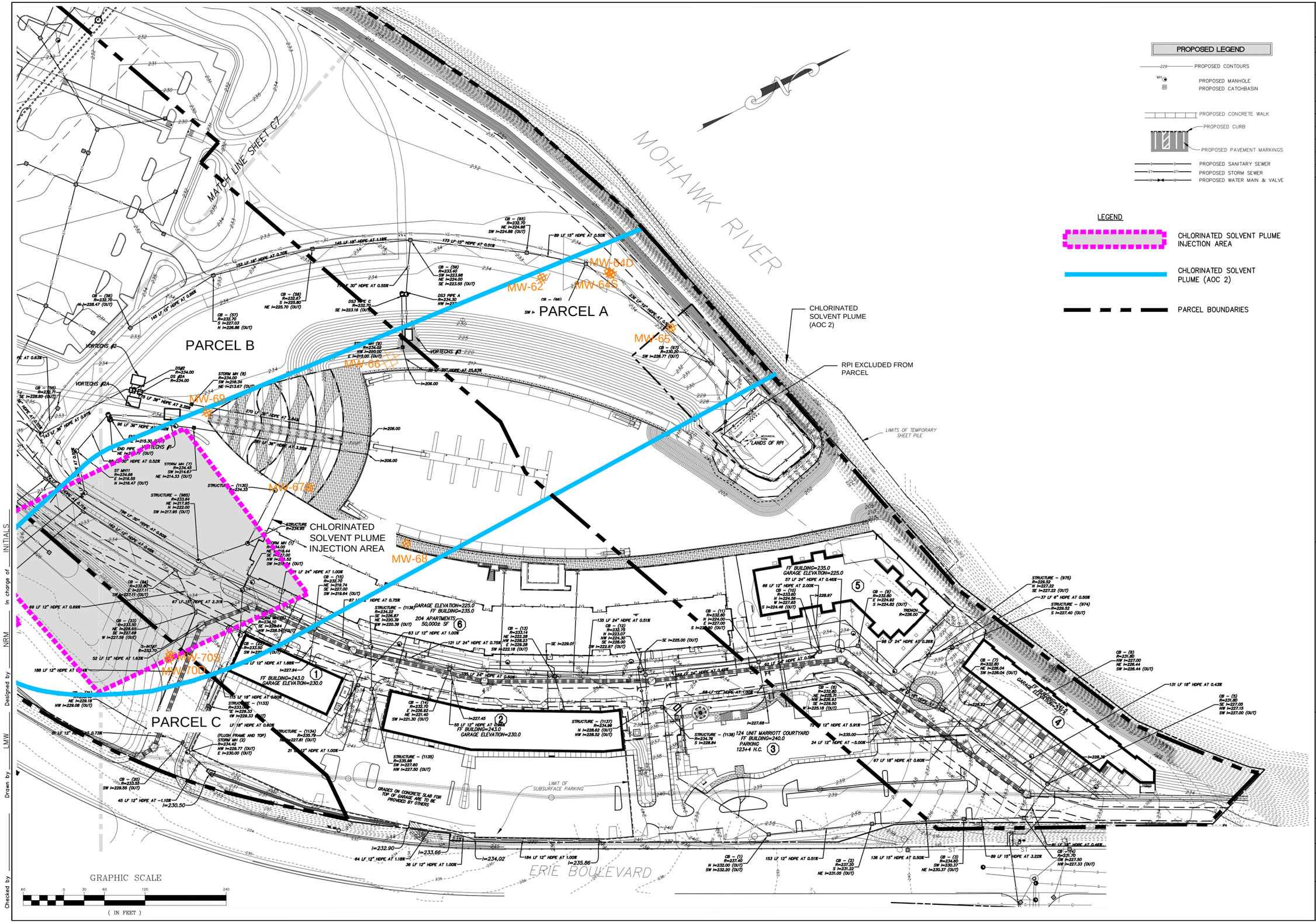
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					TOTAL METALS								
	TEMP. (deg. 4)	Eh (mV)	pH (Std Units)	SPEC. COND. (uS/cm)	TURB. (NTU)	HARD. (mg/l CaCO3)		NO3-N (mg/l)		Cl (mg/l)		SO4 (mg/l)	Ca (mg/l)		Mg (mg/l)		K (mg/l)		Na (mg/l)	
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	-		10		250		250	-		[35]		-		20	
Shallow Monitoring Well **MW-65**																				
30-Sep-11	-	-	-	-	-	-		-		-		-	-		-		-		-	
18-Jun-13	-	-	-	-	-	-		-		-		-	-		-		-		-	
11-Sep-15	-	-	-	-	-	-		-		-		-	-		-		-		-	
01-Mar-16	**53.78**	-	**6.90**	**2140**	-	**530**	D	<0.165	U	**418**	D	**29.8**	**171**		**32.4**		**6.15**		**219**	
10-May-16		-			-	**569**		<0.165	U	**352**	D	**26.2**	**169**	E	**35.5**	E	**5.27**		**218**	E
15-Jun-16	**62.10**	-	**6.92**	**2200**	-	**545**		<0.165	U	**412**	DN	**21**	**160**		**34**		<5.0		**230**	
13-Jul-16	**63.30**	-	**7.08**	**2120**	-			<0.165	U	**418**	D	**23**	**179**		**36.2**		**4.95**	BI	**220**	

Baseline

ALCO Brownfield Site
301 Nott Road, Schenectady, NY
CHLORINATED SOLVENT PLUME WATER QUALITY DATA

GROUNDWATER	ORGANIC PARAMETERS							
	1,1-Dichloroethene (ug/l)	Acetone (ug/l)	cis-1,2-Dichloroethene (ug/l)	Methyl tert-butyl ether (ug/l)	Tetrachloroethene (ug/l)	trans-1,2-Dichloroethene (ug/l)	Trichloroethene (ug/l)	Vinyl chloride (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	5	50	5	10	5	5	5	2
Shallow Monitoring Well **MW-65**								
30-Sep-11	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-
11-Sep-15	-	-	-	-	-	-	-	-
01-Mar-16	**1.6**	**6.5** J	**570.0** D	**1.7**	**390.0** D	**5.6**	**260.0** D	**590.0** D
10-May-16	< 1.0	**1.4** J	**320.0** D	< 1.0	**170.0**	**2.4**	**94.0**	**97.0**
15-Jun-16	< 1.0	< 10.0	**310.0** D	< 1.0	**140.0**	**5.9**	**100.0**	**84.0** c
13-Jul-16	**1.0** c	< 10.0	**500.0** D	< 1.0	**160.0**	**4.6**	**110.0**	**130.0**

Baseline



PROPOSED LEGEND

- PROPOSED CONTOURS
- PROPOSED MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED CONCRETE WALK
- PROPOSED CURB
- PROPOSED PAVEMENT MARKINGS
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED WATER MAIN & VALVE

LEGEND

- CHLORINATED SOLVENT PLUME INJECTION AREA
- CHLORINATED SOLVENT PLUME (AOC 2)
- PARCEL BOUNDARIES

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COMPLETED CONSTRUCTION

Significant Construction Changes Are Shown

By _____ Date _____

Ck'd _____ Date _____

REVISIONS

GALESI GROUP

MAXON ALCO HOLDINGS, LLC

Parcels A, B, and C Monitoring Well Networks for the Chlorinated Solvent Plume

CITY OF SCHENECTADY — SCHENECTADY COUNTY, NEW YORK

Barton & Loguidice, D.P.C.

Date: JANUARY 2016

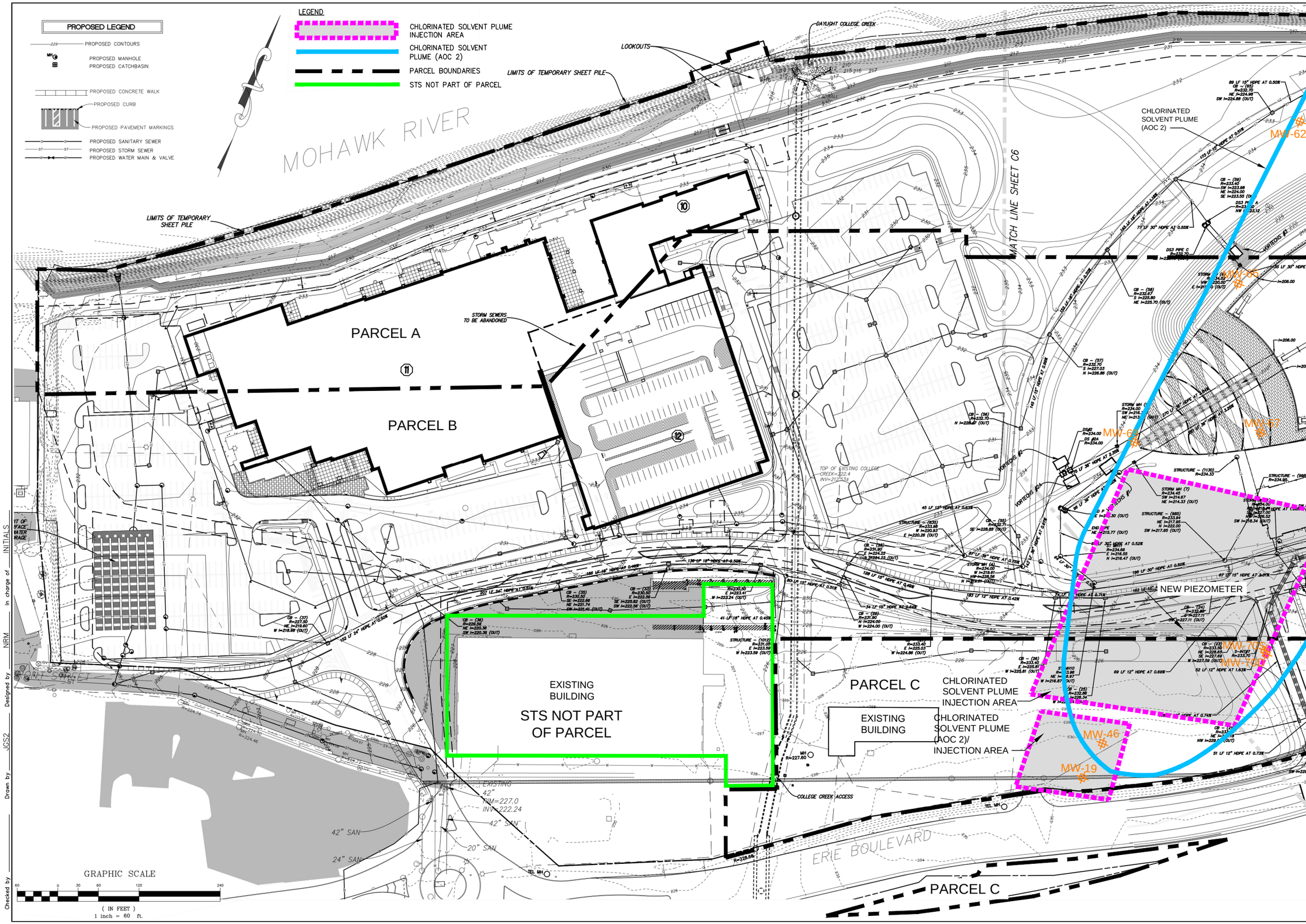
Scale: 1"=60'

Sheet Number: 1

File Number: 1338.008.001

Plotted: Apr 15, 2016 – 11:22AM SYR By: kps
C:\Users\kps\appdata\local\temp\AcPublish_7020\BL_1338.008.001 – Site Plan – Fig 1 & 2_RAM2 edits (ID 977525).dwg

Checked by _____ Drawn by LMW Designed by NRM In charge of _____ INITIALS



NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

COMPLETED CONSTRUCTION

Significant Construction Changes Are Shown

By _____ Date _____

Ck'd _____ Date _____

REVISIONS

GALESI GROUP
MAXON ALCO HOLDINGS, LLC

Parcels A, B, and C Monitoring Well Networks for the Chlorinated Solvent Plume

CITY OF SCHENECTADY SCHENECTADY COUNTY, NEW YORK

Barton & Loguidice, D.P.C.

Date
JANUARY 2016

Scale
1"=60'

Sheet Number
2

File Number
1338.008.001

Plotted: Apr 15, 2016 – 11:22AM SYR By: kps
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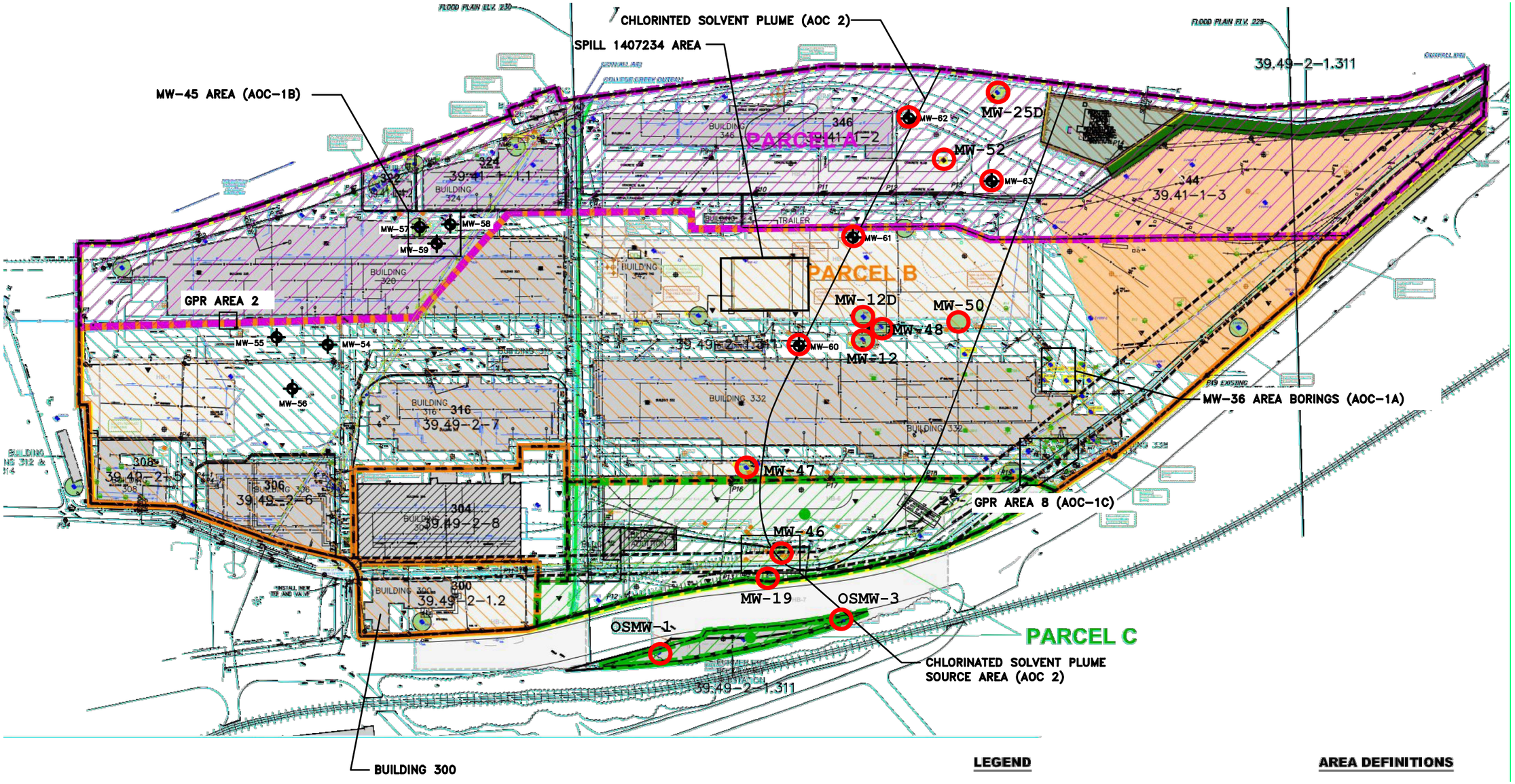
Checked by _____ Drawn by JGS2 Designed by NRM In charge of _____ INITIALS



MAP REFERENCE:

1) "SURVEY OF LANDS, ALCO LOCOMOTIVE, INC., CITY OF SCHENECTADY, COUNTY OF SCHENECTADY", DATED MARCH 1970, AS PREPARED BY C.T. MALE ASSOCIATES.

2) "A SUBDIVISION OF A PORTION OF LANDS OF SCHENECTADY INDUSTRIAL CORPORATION", DATED JUNE 30, 1988, AS PREPARED BY THE ENVIRONMENTAL DESIGN PARTNERSHIP.

3) "SITE PLAN, PROPOSED C & D RECYCLING FACILITY, NOTT STREET INDUSTRIAL PARK", DATED FEBRUARY 1995, AS PREPARED BY INGALLS SMART ASSOCIATES.

SOURCE:

1) ABD ENGINEERS AND SURVEYORS FEBRUARY 1988, REVISED NOVEMBER 1999.

2) HISTORIC BUILDING (HB) LOCATIONS BASED ON A "FUEL OIL PIPING" PLAN, PREPARED FOR AMERICAN LOCOMOTIVE CO., REVISED AUGUST 22,195.

LEGEND

- PROPERTY BOUNDARY
- BCP SITE BOUNDARY
- MANHOLE WITH DRAINAGE STUCTURE NUMBER
- CATCH BASIN WITH DRAINAGE STRUCTURE NUMBER
- LIFT STATION WITH DRAINAGE STRUCTURE NUMBER
- MANHOLE (M.H.)
- CATCH BASIN (C.B.)
- OW-2 MONITORING WELL (MW)
- TMW-6 TEMPORARY MONITORING WELL (TMW)
- RW-01 RECOVERY WELL
- P-3 PIEZOMETER
- DB-18 GEOPROBE BORING
- SS-5 SURFACE SOIL SAMPLE LOCATION (SS)
- SB-2 SOIL BORING LOCATION
- MW-63 MONITORING WELL (SRI INVESTIGATION 2013)
- Chlorinated Solvent Plume MW

AREA DEFINITIONS

- BUILDINGS/STRUCTURES
- HB FORMER BUILDINGS (PREVIOUSLY DEMOLISHED)
- "EVI" PARCEL
- "RPI" PARCEL
- OTHER PROPERTIES NO PART OF SITE
- REMEDIATION AREA
- FORMER UST/AST LOCATIONS

MAXON ALCO HOLDINGS, LLC

CITY OF SCHENECTADY NEW YORK

Former Monitoring Well Network for the Chlorinated Solvent Plume

Barton & Loguidice, D.P.C.

Date: MARCH, 2015

Scale: 1" = 100'

Figure Number: 3

Project Number: 1368.001.001

Plotted: Mar 24, 2015 – 3:27PM SYR By: jgs
Z:\BL-Vault\D2\18217AD2-1C71-4823-8927-99D5C4054147\0\765000-765999\765084\L\L\1368001_IRM Work Plan-Figure 1 (ID 765084).dwg

October 26, 2016

Mr. John R. Strang, P.E.
Environmental Engineer 2
New York State Department of Environmental Conservation
Region 4
1130 South Westcott Road
Schenectady, New York 12306-2014

Via Electronic Mail

Re: Chlorinated Solvent Plume- Monitoring Well Baseline Sampling
Parcel A Monitoring Well Network
ALCO – BCP Site C447042
Schenectady, NY

Dear Mr. Strang:

On behalf of Maxon ALCO Holdings, LLC, Barton & Loguidice, Inc. (B&L) has prepared the following report for the results of the Parcel A Monitoring Well Network (Network) post remedial injection work sampling for the Chlorinated Solvent Plume.

Summary of IRM Activities

The Parcel A Monitoring Well Network sampling activities were undertaken in accordance with the January 2016 approved Parcel A Remedial Design Report dated December 2015. The Network is composed of the following:

MW	PARCEL	DEPTH*
MW-65	A	68.65
MW-64S	A	38.55
MW-64D	A	70.15
MW-62	A	73.22

*measured from top of casing

Groundwater sampling of the Network was conducted on August 10, 2016 and September 08, 2016; sixteen and twenty weeks post remedial injection work.

Summary of Sample Results

A total of five (5) groundwater samples (including a duplicate) were collected from monitoring wells shown on the attached figure during each sampling event. Groundwater samples were analyzed for volatile organic compounds (VOCs), sodium, potassium, calcium, magnesium, sulfate, chloride, hardness, and nitrate. Detections are summarized on the attached table. The five (5) groundwater samples had one or more of the following at concentrations above their respective 6 NYCRR Part 703.5 Groundwater Quality Standards:

- 1,1-Dichloroethene,
- cis-1,2-Dichloroethene,
- Tetrachloroethene,
- trans-1,2-Dichloroethene,
- Trichloroethene,
- Vinyl chloride,
- Chloride, and
- Sodium.

As discussed in the Supplemental Remedial Investigation (SRI) Report (B&L, 2013), the plume moves across the site towards the Mohawk River, along the established hydraulic gradient, moving deeper with distance from the source. Some breakdown of the original source area contaminant is evident as the plume traverses the site. Within the source area on Parcel C, tetrachloroethene (PCE) is the primary contaminant, while its breakdown cis1,2-dichloroethene (12 -DCE) is the primary contaminant at the extremities of the plume on Parcel A. The sequential breakdown of chlorinated solvents such as PCE and trichloroethene (TCE) in the subsurface due to biological and chemical processes has been documented in numerous sites in New York and in research articles, and is discussed in detail in Weidemeier, et al, 1999.

The sixteen and twenty weeks post remedial injection work groundwater samples exhibit slightly elevated concentrations of the observed contaminants when compared to the baseline samples collected on February 29, 2016. When compared to the samples collected twelve weeks post remedial work, the twenty weeks post remedial injection work groundwater samples exhibit similar or slightly lower concentrations of the observed contaminants.

Concentrations of 1,2-dichloroethene (12-DCE) have increased from the baseline sampling in both wells MW-62 and MW-64D, which is consistent with experience with oxidant injection at other sites in New York State. The increase results from residual oxidant action that liberates sorbed contaminant, temporarily putting more contaminant mass into dissolved phase.

Additional sampling of the Network will be conducted twenty four (24) weeks post remedial injection work on Parcels B and C. Please feel free to contact the undersigned at (518) 218-1801 with any questions or need for additional information.

Very truly yours,

BARTON & LOGUIDICE, INC.

Andrew J. Barber
Sr. Environmental Consultant

AJB/akd
Enclosure
cc: Tom Owens, Esq. - Maxon ALCO Holdings LLC
Steve Luciano - Maxon ALCO Holdings LLC

Paul Fallati	- Maxon ALCO Holdings LLC
Dean Sommer, Esq.	- Young Sommer
Rich Ostrov	- NYSDEC Region 4, OGC
Al DeMarco	-NYSDOH

PARCEL	MW	DEPTH	INSTALLED	CONSULTANT	STATUS
A	MW-65	68.65	Feb-16	B&L	Preserved
A	MW-64S	38.55	Feb-16	B&L	Preserved
A	MW-64D	70.15	Feb-16	B&L	Preserved
A	MW-62	73.22	Feb-16	B&L	Preserved
A	MW-25D	63.00	Apr-12	CHA	Removed
A	MW-52	67.00	Apr-12	CHA	Removed
A	MW-63	65.00	May-13	B&L	Removed
B	MW-69	62.50	Feb-16	B&L	Preserved
B	MW-68	46.61	Feb-16	B&L	Preserved
B	MW-67	52.40	Feb-16	B&L	Preserved
B	MW-66	58.00	Feb-16	B&L	Preserved
B	MW-12	15.50	Mar-94	Dames & Moore	Removed
B	MW-12D	15.74	Dec-98	HLA	Removed
B	MW-47	55.20	May-01	BBL	Removed
B	MW-48	65.00	May-01	BBL	Removed
B	MW-50	57.00	Oct-05	-	LOST
B	MW-60	55.00	May-13	B&L	Removed
B	MW-61	60.00	May-13	B&L	Removed
C	MW-19	19.75	Nov-99	BBL	Preserved
C	MW-46	42.90	May-01	BBL	Preserved
C	MW-70S	30.90	Feb-16	B&L	Preserved
C	MW-70D	47.20	Feb-16	B&L	Preserved
C-Across Erie	OSMW-1	12.00	Aug-09	Kleinfelder	Removed
C-Across Erie	OSMW-3	20.00	Aug-09	Kleinfelder	Removed

Depth measured from top of casing

Removed- Due to construction

Lost- could not be located and were not sampled. It is anticipated that the sediment deposited on the Site during flooding associated with tropical storm Irene (August 29 th, 2011) may have buried some or all of the missing wells.

			PARCEL A																	
			MW-52						MW-25D						MW-63		MW-62			
			4/23/2012		4/23/2012		6/17/2013		4/23/2012		4/23/2012		6/17/2013		6/17/2013		6/17/2013		9/11/2015	
Parameter	PART 703	Units	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF	Result	DF
1,1-Dichloroethane	5	µg/l	-	1	-	20	1.52	1	-	1	-	4	-	1	3.41	1	-	1	-	1
1,1-Dichloroethene	5	µg/l	5.2 J	1	13 J	20	-	1	0.63 J	1	-	4	-	1	-	1	-	1	2.7	1
Acetone	50	µg/l	-	1	-	20	-	1	-	1	-	4	-	1	-	1	-	1	-	1
Chloroform	7	µg/l	-	1	-	20	-	1	0.47 J	1	-	4	-	1	-	1	-	1	-	1
cis-1,2-Dichloroethene	5	µg/l	450 EJ	1	970	20	111	1	220 EJ	1	280	4	109	1	2720	1	2260	1	1000 D	10
Methyl tert-butyl ether	10	µg/l	-	1	-	20	-	1	-	1	-	4	-	1	-	1	-	1	NA	1
Tetrachloroethene	5	µg/l	25 J	1	43	20	-	1	28	1	34	4	17.3	1	82.7	1	-	1	NA	1
trans-1,2-Dichloroethene	5	µg/l	13 J	1	30	20	-	1	-	1	-	4	-	1	48.5	1	48.4	1	NA	1
Trichloroethene	5	µg/l	400 EJ	1	760	20	17.4	1	34	1	42	4	14.9	1	206	1	18.7	1	NA	1
Vinyl chloride	2	µg/l	25 J	1	47 J	20	5.94	1	6.1	1	7.8	4	-	1	21	1	-	1	NA	1
Calcium	-	MG/L	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Magnesium	[35]	MG/L	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Potassium	-	MG/L	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Sodium	20	MG/L	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Chloride	250	MG/L	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Sulfate	250	MG/L	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Nitrate	10	MG/L	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Hardness	-	MG/L	NA		NA		NA		NA		NA		NA		NA		NA		NA	

1. 6 NYCRR Part 703.5 Groundwater Quality Standards
D Results for Dilution
J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.
EJ - Result exceeded the calibration range. Analyte is present, but the reported value may be associated with a higher level of uncertanity than is normally expected with the analytical method.
DF Dilution Factor
- Not Detected
[] Guidance Value
NA Not Analyzed

ALCO Brownfield Site
301 Nott Road, Schenectady, NY
CHLORINATED SOLVENT PLUME WATER QUALITY DATA

	FIELD PARAMETERS					INORGANIC PARAMETERS								TOTAL METALS							
GROUNDWATER	TEMP. (deg. 4)	Eh (mV)	pH (Std Units)	SPEC. COND. (uS/cm)	TURB. (NTU)	HARD. (mg/l CaCO3)		NO3-N (mg/l)		Cl (mg/l)		SO4 (mg/l)		Ca (mg/l)		Mg (mg/l)		K (mg/l)		Na (mg/l)	
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	-		10		250		250		-		[35]		-		20	
Shallow Monitoring Well **MW-62**																					
27-Sep-11	-	-	-	-	-	-		-		-		-		-		-		-		-	
17-Jun-13	-	-	-	-	-	-		-		-		-		-		-		-		-	
11-Sep-15	-	-	-	-	-	-		-		-		-		-		-		-		-	
01-Mar-16	**51.44**	-	**7.16**	**2650**	-	**450**	D	<0.165	U	**498**	D	**47.9**		**152**		**26.4**		**6.66**		**395**	
10-May-16						**589**		**0.212**		**517**	D	**56**	D	**187**	E	**29.6**	E	**6.47**		**352**	E
15-Jun-16	**60.80**		**6.94**	**3010**	-	**568**		<0.165	U	**615**	D	**60.1**	D	**180**		**30**		**5.7**		**390**	
13-Jul-16	**65.40**	-	**7.10**	**2870**	-			<0.165	U	**468**	D	**12.8**		**188**		**30.2**		**6.82**	E	**396**	
10-Aug-16	**61.10**	-	**7.09**	**2850**	-			<0.165	U	**644**	D	**62.7**		**177**		**29.2**		**5.81**		**389**	
08-Sep-16	**63.40**	-	**6.83**	**3010**	-	**593**		<0.165	U	**594**	D	**58.5**	D	**190**		**31**		**8.7**		**370**	
05-Oct-16	**61.80**	-	**6.89**	**2630**	-																
		-			-																
		-			-																

ALCO Brownfield Site
301 Nott Road, Schenectady, NY
CHLORINATED SOLVENT PLUME WATER QUALITY DATA

	ORGANIC PARAMETERS				
GROUNDWATER	1,1-Dichloroethene (ug/l)	cis-1,2-Dichloroethene (ug/l)	trans-1,2-Dichloroethene (ug/l)	Trichloroethene (ug/l)	Vinyl chloride (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	5	5	5	5	2
Shallow Monitoring Well **MW-62**					
27-Sep-11	-	-	-	-	-
17-Jun-13	< 1.0	**2260.0**	**48.4**	**18.7**	< 1.0
11-Sep-15	**2.7**	**1000.0** D			
01-Mar-16	< 1.0	**420.0** D	**24.0**	**1.5**	**120.0**
10-May-16	< 1.0	**430.0** D	**29.0**	**1.6**	**89.0**
15-Jun-16	< 10.0	**640.0** D	**40.0**	**2.0**	**110.0** c
13-Jul-16	**1.2** c	**770.0** D	**47.0**	**1.7**	**120.0**
10-Aug-16	< 1.0	**860.0**	**56.0**	< 1.0	**140.0**
08-Sep-16	< 5.0 D	**710.0** D	**44.0** D	< 5.0 D	**110.0** D
05-Oct-16					

ALCO Brownfield Site
301 Nott Road, Schenectady, NY
CHLORINATED SOLVENT PLUME WATER QUALITY DATA

	FIELD PARAMETERS					INORGANIC PARAMETERS					TOTAL METALS							ORGANIC PARAMETERS	
GROUNDWATER	TEMP. (deg. 4)	Eh (mV)	pH (Std Units)	SPEC. COND. (uS/cm)	TURB. (NTU)	HARD. (mg/l CaCO3)	NO3-N (mg/l)		Cl (mg/l)	SO4 (mg/l)		Ca (mg/l)	Mg (mg/l)		K (mg/l)	Na (mg/l)		Acetone (ug/l)	
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	-	10		250	250		-	[35]		-	20		50	
Shallow Monitoring Well **MW-64S**																			
30-Sep-11	-	-	-	-	-	-	-		-	-		-	-		-	-		-	
18-Jun-13	-	-	-	-	-	-	-		-	-		-	-		-	-		-	
11-Sep-15	-	-	-	-	-	-	-		-	-		-	-		-	-		-	
01-Mar-16	**52.70**	-	**6.74**	**1100**	-	**310**	D	<0.165	U	**22.6**	**2.48**	J	**108**	**15.5**		**7.37**	**31.4**		**2.7**	J
10-May-16						**347**		<0.165	U	**33.9**	<5.0	U	**114**	E **15.2**	E	**9.31**	**32.2**	E	< 10.0	
15-Jun-16	**58.10**		**6.88**	**1030**	-	**339**		<0.165	U	**27.7**	<5.0	U	**110**	**15**		**7.7**	**34**		< 10.0	
13-Jul-16	**62.90**	-	**7.02**	**1000**	-			<0.165	U	**18.9**	<5.0	U	**116**	**14.8**		**7.21**	E **32.3**		< 10.0	
10-Aug-16	**59.50**	-	**7.03**	**900**	-			<0.165	U	**18.6**	<5.0	U	**100**	**13.8**		**8.3**	**32.2**		< 10.0	
08-Sep-16	**62.60**	-	**6.76**	**1000**	-	**306**		<0.165	U	**18.2**	<5.0	U	**100**	**14**		**12**	**33**		< 10.0	
05-Oct-16	**61.20**	-	**7.00**	**860**	-														
		-			-														
		-			-														
		-			-														
		-			-														
		-			-														
		-			-														

ALCO Brownfield Site
301 Nott Road, Schenectady, NY
CHLORINATED SOLVENT PLUME WATER QUALITY DATA

	FIELD PARAMETERS					INORGANIC PARAMETERS										TOTAL METALS							
GROUNDWATER	TEMP. (deg. 4)	Eh (mV)	pH (Std Units)	SPEC. COND. (uS/cm)	TURB. (NTU)	HARD. (mg/l CaCO3)		NO3-N (mg/l)		Cl (mg/l)		SO4 (mg/l)		Ca (mg/l)		Mg (mg/l)		K (mg/l)		Na (mg/l)	
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	-		10		250		250		-		[35]		-		20	
Shallow Monitoring Well **MW-64D**																							
27-Sep-11	-	-	-	-	-	-		-		-		-		-		-		-		-			
18-Jun-13	-	-	-	-	-	-		-		-		-		-		-		-		-			
11-Sep-15	-	-	-	-	-	-		-		-		-		-		-		-		-			
01-Mar-16	**53.06**	-	**7.13**	**2890**	-	**570**	D	<0.165	U	**509**	D	**54**	D	**172**		**39.2**		**5.88**		**347**	D		
10-May-16						**714**		<0.165	U	**582**	D	**58.9**	D	**212**	E	**45.1**	E	**6.37**		**376**	E		
15-Jun-16	**58.40**		**6.92**	**3120**	-	**662**		<0.165	U	**685**	D	**58.2**	D	**200**		**42**		**5.4**		**400**			
13-Jul-16	**64.30**	-	**7.06**	**3060**	-			<0.165	U	**654**	D	**13.6**		**225**		**46.5**		**5.81**	E	**398**			
10-Aug-16	**60.10**	-	**7.11**	**2990**	-			<0.165	U	**734**	D	**70.9**	D	**199**		**42.8**		**5.05**		**366**			
08-Sep-16	**59.60**	-	**6.79**	**3210**	-	**706**		<0.165	U	**728**	D	**69.2**	D	**210**		**44**		**7.3**		**370**			
05-Oct-16	**59.80**	-	**7.04**	**2990**	-																		

ALCO Brownfield Site
301 Nott Road, Schenectady, NY
CHLORINATED SOLVENT PLUME WATER QUALITY DATA

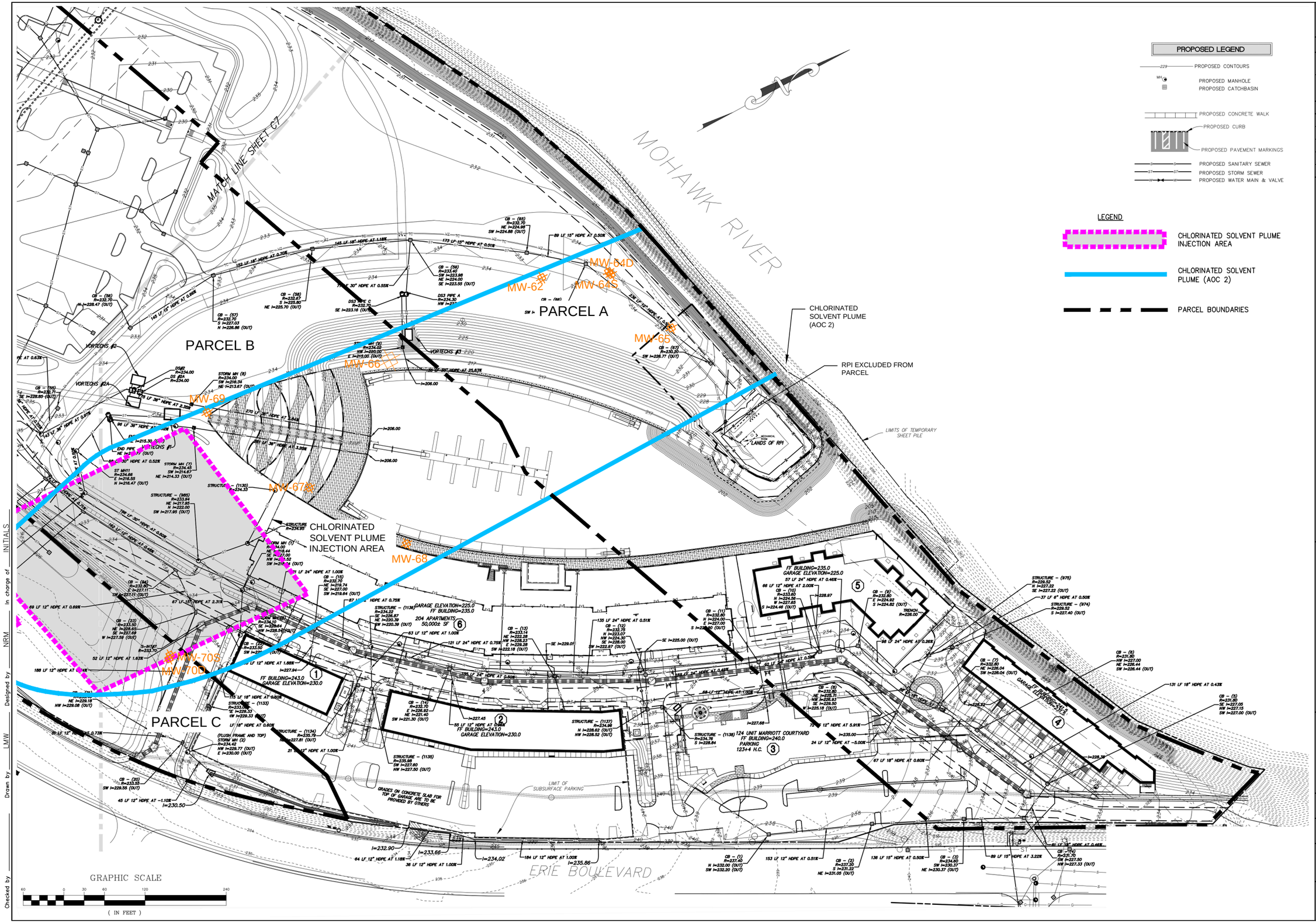
	ORGANIC PARAMETERS									
GROUNDWATER	1,1-Dichloroethene (ug/l)		cis-1,2-Dichloroethene (ug/l)		trans-1,2-Dichloroethene (ug/l)		Trichloroethene (ug/l)		Vinyl chloride (ug/l)	
6NYCRR Part 703 GROUNDWATER STANDARD	5		5		5		5		2	
Shallow Monitoring Well **MW-64D**										
27-Sep-11	-		-		-		-		-	
18-Jun-13	-		-		-		-		-	
11-Sep-15	-		-		-		-		-	
01-Mar-16	**9.7**		**1100.0**	D	**40.0**		**900.0**	D	**820.0**	
10-May-16	**7.7**		**1000.0**	D	**29.0**		**550.0**		**230.0**	
15-Jun-16	**9.9**		**1100.0**	D	**36.0**		**570.0**	D	**170.0**	D
13-Jul-16	**11.0**	c	**1400.0**	D	**40.0**		**670.0**	D	**250.0**	D
10-Aug-16	**11.0**	D	**1500.0**	D	**41.0**	D	**630.0**	D	**240.0**	D
08-Sep-16	**13.0**	Dc	**1400.0**	D	**37.0**	D	**600.0**	D	**190.0**	D
05-Oct-16										

ALCO Brownfield Site
301 Nott Road, Schenectady, NY
CHLORINATED SOLVENT PLUME WATER QUALITY DATA

	FIELD PARAMETERS					INORGANIC PARAMETERS				TOTAL METALS			
GROUNDWATER	TEMP. (deg. 4)	Eh (mV)	pH (Std Units)	SPEC. COND. (uS/cm)	TURB. (NTU)	HARD. (mg/l CaCO3)	NO3-N (mg/l)	Cl (mg/l)	SO4 (mg/l)	Ca (mg/l)	Mg (mg/l)	K (mg/l)	Na (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	-	10	250	250	-	[35]	-	20
Shallow Monitoring Well **MW-65**													
30-Sep-11	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Sep-15	-	-	-	-	-	-	-	-	-	-	-	-	-
01-Mar-16	**53.78**	-	**6.90**	**2140**	-	**530** D	<0.165 U	**418** D	**29.8**	**171**	**32.4**	**6.15**	**219**
10-May-16		-			-	**569**	<0.165 U	**352** D	**26.2**	**169** E	**35.5** E	**5.27**	**218** E
15-Jun-16	**62.10**	-	**6.92**	**2200**	-	**545**	<0.165 U	**412** DM	**21**	**160**	**34**	<5.0	**230**
13-Jul-16	**63.30**	-	**7.08**	**2120**	-		<0.165 U	**418** D	**23**	**179**	**36.2**	**4.95** B	**220**
10-Aug-16	**60.00**	-	**7.05**	**2220**	-		<0.165 U	**480** D	**21.9**	**173**	**37.9**	**4.89** J	**225**
08-Sep-16	**60.40**	-	**6.71**	**2440**	-	**610**	<0.165 U	**516** D	**23.9**	**180**	**39**	**7.5**	**220**
05-Oct-16	**59.40**	-	**6.93**	**2330**	-								

ALCO Brownfield Site
301 Nott Road, Schenectady, NY
CHLORINATED SOLVENT PLUME WATER QUALITY DATA

	ORGANIC PARAMETERS							
GROUNDWATER	1,1-Dichloroethene (ug/l)	Acetone (ug/l)	cis-1,2-Dichloroethene (ug/l)	Methyl tert-butyl ether (ug/l)	Tetrachloroethene (ug/l)	trans-1,2-Dichloroethene (ug/l)	Trichloroethene (ug/l)	Vinyl chloride (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	5	50	5	10	5	5	5	2
Shallow Monitoring Well **MW-65**								
30-Sep-11	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-
11-Sep-15	-	-	-	-	-	-	-	-
01-Mar-16	**1.6**	**6.5** J	**570.0** D	**1.7**	**390.0** D	**5.6**	**260.0** D	**590.0** D
10-May-16	< 1.0	**1.4** J	**320.0** D	< 1.0	**170.0**	**2.4**	**94.0**	**97.0**
15-Jun-16	< 1.0	< 10.0	**310.0** D	< 1.0	**140.0**	**5.9**	**100.0**	**84.0** c
13-Jul-16	**1.0** c	< 10.0	**500.0** D	< 1.0	**160.0**	**4.6**	**110.0**	**130.0**
10-Aug-16	**1.2**	< 10.0	**490.0** D	< 1.0	**170.0** c	**4.0**	**130.0**	**170.0**
08-Sep-16	< 1.0	< 10.0	**360.0** D	< 1.0	**140.0**	**2.4**	**93.0**	**100.0**
05-Oct-16								



PROPOSED LEGEND

- PROPOSED CONTOURS
- PROPOSED MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED CONCRETE WALK
- PROPOSED CURB
- PROPOSED PAVEMENT MARKINGS
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED WATER MAIN & VALVE

LEGEND

- CHLORINATED SOLVENT PLUME INJECTION AREA
- CHLORINATED SOLVENT PLUME (AOC 2)
- PARCEL BOUNDARIES

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

COMPLETED CONSTRUCTION

Significant Construction Changes Are Shown

By _____ Date _____

Ck'd _____ Date _____

REVISIONS

GALESI GROUP

MAXON ALCO HOLDINGS, LLC

Parcels A, B, and C Monitoring Well Networks for the Chlorinated Solvent Plume

CITY OF SCHENECTADY — SCHENECTADY COUNTY, NEW YORK

Barton & Loguidice, D.P.C.

Date: JANUARY 2016

Scale: 1"=60'

Sheet Number: 1

File Number: 1338.008.001

Plotted: Apr 15, 2016 – 11:22AM SYR By: kps
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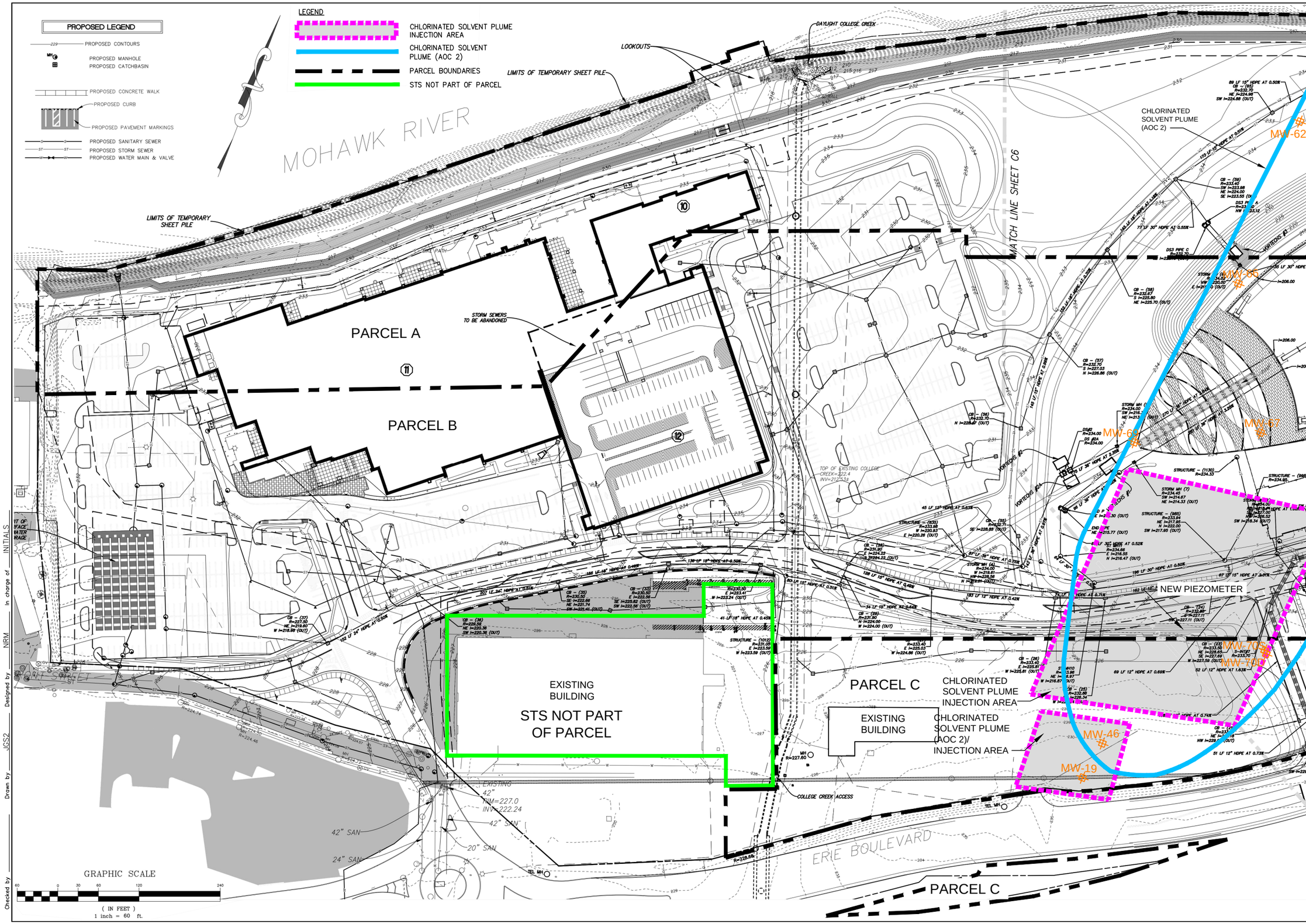
Checked by _____ Drawn by LMW Designed by NRM In charge of _____ INITIALS



NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

COMPLETED CONSTRUCTION

Significant Construction Changes Are Shown

By _____ Date _____

Ck'd _____ Date _____

REVISIONS

GALESI GROUP
MAXON ALCO HOLDINGS, LLC

Parcels A, B, and C Monitoring Well Networks for the Chlorinated Solvent Plume

CITY OF SCHENECTADY SCHENECTADY COUNTY, NEW YORK

Barton & Loguidice, D.P.C.

Date
JANUARY 2016

Scale
1"=60'

Sheet Number
2

File Number
1338.008.001

Plotted: Apr 15, 2016 – 11:22AM SYR By: kps
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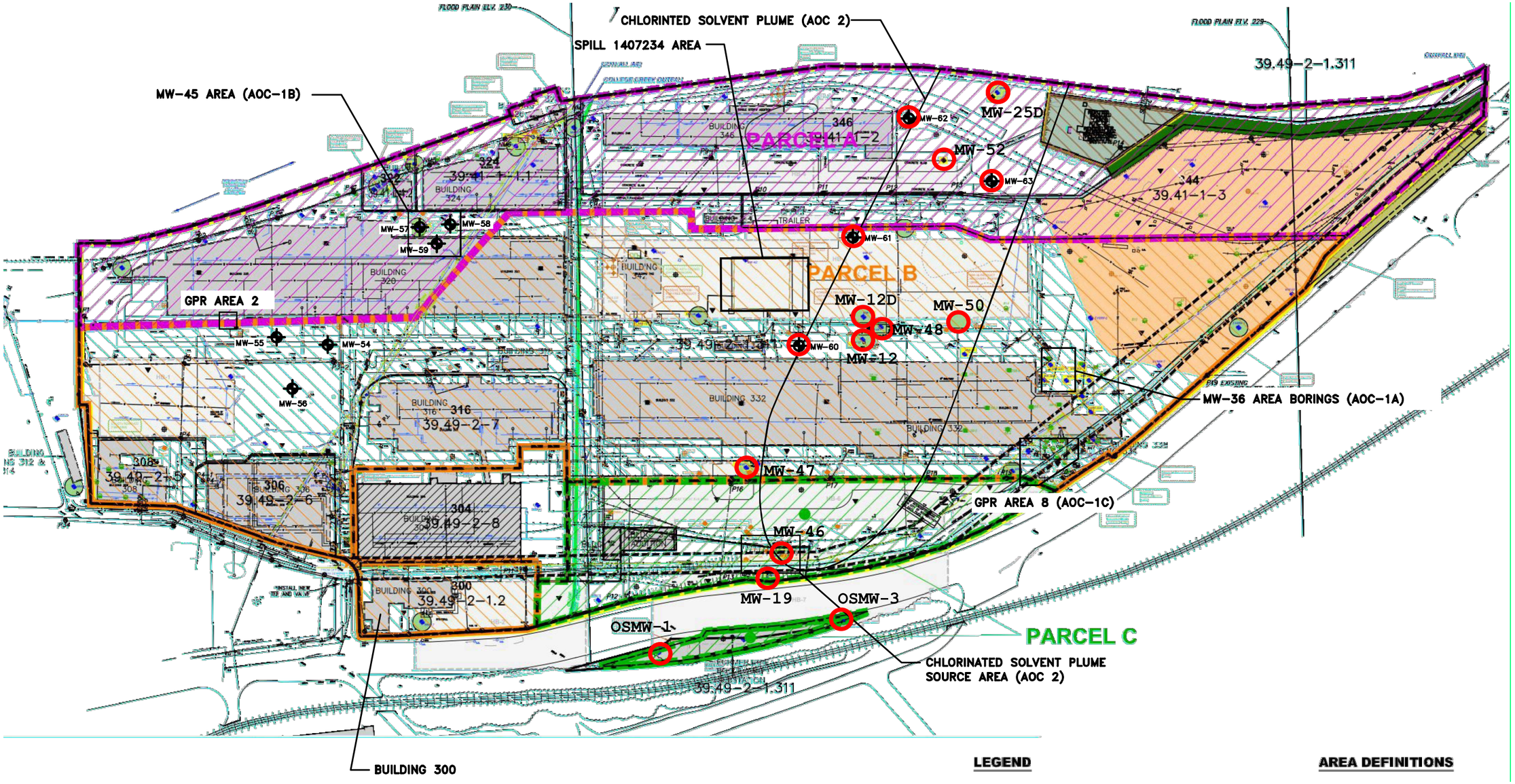
Checked by _____ Drawn by JGS2 Designed by NRM In charge of _____ INITIALS



MAP REFERENCE:

1) "SURVEY OF LANDS, ALCO LOCOMOTIVE, INC., CITY OF SCHENECTADY, COUNTY OF SCHENECTADY", DATED MARCH 1970, AS PREPARED BY C.T. MALE ASSOCIATES.

2) "A SUBDIVISION OF A PORTION OF LANDS OF SCHENECTADY INDUSTRIAL CORPORATION", DATED JUNE 30, 1988, AS PREPARED BY THE ENVIRONMENTAL DESIGN PARTNERSHIP.

3) "SITE PLAN, PROPOSED C & D RECYCLING FACILITY, NOTT STREET INDUSTRIAL PARK", DATED FEBRUARY 1995, AS PREPARED BY INGALLS SMART ASSOCIATES.

SOURCE:

1) ABD ENGINEERS AND SURVEYORS FEBRUARY 1988, REVISED NOVEMBER 1999.

2) HISTORIC BUILDING (HB) LOCATIONS BASED ON A "FUEL OIL PIPING" PLAN, PREPARED FOR AMERICAN LOCOMOTIVE CO., REVISED AUGUST 22,195.

LEGEND

- PROPERTY BOUNDARY
- BCP SITE BOUNDARY
- MANHOLE WITH DRAINAGE STUCTURE NUMBER
- CATCH BASIN WITH DRAINAGE STRUCTURE NUMBER
- LIFT STATION WITH DRAINAGE STRUCTURE NUMBER
- MANHOLE (M.H.)
- CATCH BASIN (C.B.)
- OW-2 MONITORING WELL (MW)
- TMW-6 TEMPORARY MONITORING WELL (TMW)
- RW-01 RECOVERY WELL
- P-3 PIEZOMETER
- DB-18 GEOPROBE BORING
- SS-5 SURFACE SOIL SAMPLE LOCATION (SS)
- SB-2 SOIL BORING LOCATION
- MW-63 MONITORING WELL (SRI INVESTIGATION 2013)
- Chlorinated Solvent Plume MW

AREA DEFINITIONS

- BUILDINGS/STRUCTURES
- HB FORMER BUILDINGS (PREVIOUSLY DEMOLISHED)
- "EVI" PARCEL
- "RPI" PARCEL
- OTHER PROPERTIES NO PART OF SITE
- REMEDIATION AREA
- FORMER UST/AST LOCATIONS

MAXON ALCO HOLDINGS, LLC

CITY OF SCHENECTADY NEW YORK

Former Monitoring Well Network for the Chlorinated Solvent Plume

Barton & Loguidice, D.P.C.

Date: MARCH, 2015

Scale: 1" = 100'

Figure Number: 3

Project Number: 1368.001.001

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