Construction Completion Report | Onondaga County Lakeview Amphitheater Project

APPENDIX

P. Monitoring Well Summary Report



MONITORING WELL MODIFICATION REPORT Onondaga Lakeview Amphitheater Project Geddes, Onondaga County, New York

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Onondaga County Lakeview Amphitheater Project Monitoring Well Modification Report

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Onondaga County Lakeview Amphitheater Project Monitoring Well Modification Report

1. Introduction

The following Monitoring Well Modification Report has been prepared by Gilbane Building Company (Gilbane) for the construction of the Onondaga County Lakeview Amphitheater Project (Amphitheater). Specifically, the report details:

- An inventory of monitoring wells that are within the Amphitheater footprint;
- An identification of monitoring wells that were modified, protected or abandoned; and
- Procedures for how monitoring wells were modified, and protected (e.g., extended, flush mounted) or abandoned.
- 1.1 Modification Report Objective

The objective of the Modification Report is to document Monitoring Wells identified and abandoned (i.e. decommissioned) or modified. The methodology selected for decommissioning, the implementation procedures, and documentation process for the proper abandonment were in accordance with NYSDEC guidelines.

The scope of activities that were performed under the Modification Report includes the following:

- decommissioning selected Monitoring Wells using the grout-in-place methodology;
- completing applicable site restoration activities; and
- properly documenting the decommissioning effort.

The overall objective of the decommissioning effort was to remove any potential for adverse environmental effects due to unprotected, neglected, and/or improperly abandoned Monitoring Wells.

1.2 Project Summary

The Lakeview Point Site is located within one of the Onondaga Lake superfund subsites, known as Wastebeds 1 through 8. The project area is also listed on the New York State Registry of Inactive Hazardous Waste Sites as a State Superfund Class 2 site (NYS Registry: 734081). The majority of the project site is located within the areas known as Wastebeds 5 and 6 although access to the site may involve portions of Wastebeds 1 through 4. Located on a portion of Wastebed 5 is the closed Crucible Specialty Metals (i.e. Crucible Steel) landfill (NYS Registry: 734021), a former steel mill solid waste fill site which covers an area of approximately 20 acres and contains an estimated volume of about 225,000 cubic yards of both non-hazardous and hazardous wastes. To address remediation of the site consistent with the planned designated use, NYSDEC and EPA have issued a Record of Decision (ROD) for Operable Unit No. 1(OU1) designating the remedy for the OU. OU1 includes the soils and fill materials on Wastebeds 1 through 8 excluding site groundwater, which is a separate operable unit known as OU2. A separate Feasibility Study is currently underway for OU2.

As presented in the ROD, the remedy involved placement of vegetated cover and engineering/institutional controls on the site as a function of the intended use of each area. The cover system was applied over approximately 171 acres of the Wastebed 1-8 site including all of the open areas within the Amphitheater project limits exclusive of those which have already been remediated or capped. More specifically, the ROD calls for placement of a vegetative cover system consisting of either vegetative enhancement or placement of a soil or structural fill substrate capable of providing water holding capacity, rooting volume and growing conditions to support a planted vegetative cover utilizing native species appropriate for each area of use. The placement and thickness of the substrate range from a basic wood fiber mulch/compost/fertilizer layer to as much as one foot of gravel or two feet of soil and was a function of the characteristics and use of each area including areas of Passive Recreational Use (limited potential for soil contact, i.e. parking lots, etc.), areas of Active Recreational Use (potential for soil contact, i.e. park grounds, seating areas) and areas of Ecological Resources Value (undeveloped upland areas supporting native flora and fauna) among others. Any fill material brought to the Site met the requirements for the identified site use as set forth in 6 NYCRR Part 375-6.7(d). Native species took precedence for the vegetative component of covers. Structures, such as buildings, pavement, or sidewalks serve as acceptable substitutes for the vegetated cover types described above.

Institutional controls in the form of environmental easements were also used as part of the remedy to provide for work that is consistent with a NYSDEC-approved Site Management Plan. This overall plan includes an Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the remedy and details the steps and media-specific requirements necessary for an effective remedy along with a Monitoring Plan to assess the performance and effectiveness of the remedy.

The final remedy will be implemented by Honeywell International, Inc. (Honeywell) under the supervision of the involved regulatory agencies. Design and subsequent construction of the surface and subsurface features of the Amphitheater project are being coordinated with technical staff of Honeywell and the regulators so that they can be implemented in conjunction with both the existing IRM and future OU1 site remedies. This includes design of building features to address the potential for soil vapor issues consistent with the requirements of the ROD. Specifically, the construction provides protection for soil vapor intrusion through engineering controls which address the migration of vapors from soil or groundwater which could affect indoor air quality within the proposed structures. Also, although the Crucible Landfill is now outside the proposed Limits of Work (except for portions of the surface water drainage system), the design and construction of the proposed facilities took into account the conditions described in the Crucible Landfill Closure Plan and Post Closure Plan. These documents describe the function of the landfill cover system which has been in place since 1989 and the long term care and maintenance requirements to preserve and protect the cover and drainage features. Routine coordination meetings are being held with the Honeywell Remediation team and NYSDEC to coordinate all phases of work and to document construction quality for the affected elements of the remedy.

Non remedial structural scopes of work include the pile operation to support the Amphitheater building, stage and seating foundations. Additionally, non-remedial work includes cast-in-place concrete for the entirety of the building footprint and fixed seating area. The Amphitheater back-of-stage facility is a two story complex dedicated to special functions and servicing performers.





Figure 1-0 illustrates the overall Onondaga County Lakeview Amphitheater Project Site and final orientation with respect to the Lakeview Point.

2. Existing Information

Within the contract limit lines of the Amphitheater (reference Figure 1–0) are existing monitoring wells, inclinometers, piezometers, etc. that primarily belong to Crucible Specialty Metals (Crucible) and Honeywell. As part of the landfill closure requirements, post closure monitoring is required to be conducted and reported to the NYSDEC. Specifically, Crucible measures include:

- Groundwater Quality (water levels and groundwater sampling) from existing piezometers and monitor wells (annually);
- Settlement monitoring from existing inclinometers and settlement plate surveys

2.1 Compilation of Information

Prior to commencement of field activities related to the decommissioning, pertinent information regarding Monitoring Well construction was reviewed and compiled. Following the compilation and review of information, a pre-construction Monitoring Well inspection was performed. Following the pre-construction inspection, the information was then reviewed with Onondaga County and C&S Companies to develop a prioritized list of Monitoring Wells desired to be abandoned or modified. Prior to proceeding with any alteration, the prioritized (Monitoring Well) list was reviewed with the Monitoring Wells' owners to assess the feasibility for abandoning or modification. No work proceeded without advance approval from the owners of the Monitpring Wells.

2.2 Inventory of Monitoring Wells

Multiple documents were provided for review that provided Monitoring Wells (MWs) located (or previously located) at the Amphitheater Site.

The following wells (within the Amphitheater Project's boundary) are understood to belong to Crucible:

CM107, CM108, CM109, CM201, DW102, DW103, MS104.1, MS104.2, MS104.3, MS104.4, MS104.5, MS104.6, MS105.1, MS105.2, MS105.3, MS105.4, MS105.5, MS106.1, MS106.2, MS106.3, MS106.4, MS106.5, PZ201.1, PZ201.2, and PZ201.3.

The following monitoring wells have been identified by O'Brien & Gere (on behalf of Honeywell) as those that are desired to be maintained following construction of the Amphitheater Project:

MW-04BR, MW-04D, MW-04G, MW-04I, MW-04S, MW-05D, MW-05I, MW-05S, MW-16S, MW-16I, MW-16D, MW-17S, MW-17I, MW-17D, MW-18S, MW-18I, MW-18D, MW-18G, MW-23I, and MW-24G

O'Brien & Gere has indicated that the wells identified above (i.e. those preferred to be maintained) may be modified to accommodate the Amphitheater's construction; or abandoned (if required) and re-installed and developed following construction.

The following monitoring wells have been identified by O'Brien & Gere as those that may be abandoned:

OW-1S, OW-02S, OW-05G, OW-06G, TW-01S, TW-03G, MW-15S, MW-30G, MW-25G, and MW-11I

Per O'Brien & Gere, the following (monitoring) wells have already been abandoned (i.e. assumed as decommissioned):

OW51 (EB-05), OW52 (EB-05), OW53 (EB-05), MW-28G, MW-29G, and MW-26G

Ownership of the following monitoring wells have been determined to belong to Crucible (based on available information, site investigation, and coordination with varying agencies/consultants):

OW41 (EB-04), OW42 (EB-04), OW43 (EB-04), OW61 (EB-06), OW62 (EB-06), OW71 (EB-07), OW72 (EB-07), OW73 (EB-07), OW81 (EB- 08), OW82 (EB-08), OW91 (EB-09), and OW92 (EB-09).

Table 1-0 summarizes the known well locations (within the Amphitheater's footprint) based on provided information (reference Appendix ii.). Monitoring Wells designated as "Within contract limit line(s)" indicates that based on available information a Monitoring Well exists (or previously existed) on the overall site; but was not impacted by the Amphitheater Project (e.g. MW 106.1 is located on the Crucible landfill, within the contract limit; but is not impacted but the project). The wells within Table 1-0 that were within the project's site limits or were subject to the possibility of damage were protected during construction (reference Section 3.2 of Work Plan).

Applicable Monitoring Wells							
NAME	SURF_ELEV	х	Y	Lat(Y)	Lon(X)	Comment	
CM107	424.2	916582.600070	1124940.899970	43.086900	-76.222600	Within contract limit line(s).	
CM108	425.4	916109.900096	1125128.100010	43.087400	-76.224300	Within contract limit line(s).	
CM109	427.1	915953.200088	1124098.700090	43.084600	-76.224900	Within contract limit line(s).	
CM201	428.2	916802.500071	1124790.000090	43.086400	-76.221700	Within contract limit line(s).	
DW102	410.2	916970.700035	1125528.499980	43.088500	-76.221100	Within contract limit line(s).	
DW103	424.9	915654.399908	1124348.199980	43.085300	-76.226000	Within contract limit line(s).	
MS104.1	426.8	916854.300018	1123850.600090	43.083900	-76.221600	Within contract limit line(s).	
MS104.2	426.8	916854.300018	1123850.600090	43.083900	-76.221600	Within contract limit line(s).	
MS104.3	426.8	916854.300018	1123850.600090	43.083900	-76.221600	Within contract limit line(s).	
MS104.4	426.8	916854.300018	1123850.600090	43.083900	-76.221600	Within contract limit line(s).	
MS104.5	426.8	916854.300018	1123850.600090	43.083900	-76.221600	Within contract limit line(s).	
MS104.6	430.4	916854.300018	1123850.600090	43.083900	-76.221600	Within contract limit line(s).	
M\$105.1	425.8	916286.699952	1123976.000020	43.084200	-76.223700	Within contract limit line(s).	
MS105.2	425.8	916286.699952	1123976.000020	43.084200	-76.223700	Within contract limit line(s).	
MS105.3	425.8	916286.699952	1123976.000020	43.084200	-76.223700	Within contract limit line(s).	
MS105.4	425.8	916286.699952	1123976.000020	43.084200	-76.223700	Within contract limit line(s).	
M\$105.5	425.8	916286.699952	1123976.000020	43.084200	-76.223700	Within contract limit line(s).	
MS106.1	426.8	916344.399933	1124840.399960	43.086600	-76.223400	Within contract limit line(s).	
MS106.2	426.8	916344.399933	1124840.399960	43.086600	-76.223400	Within contract limit line(s).	
MS106.3	426.8	916344.399933	1124840.399960	43.086600	-76.223400	Within contract limit line(s).	
MS106.4	426.8	916344.399933	1124840.399960	43.086600	-76.223400	Within contract limit line(s).	
MS106.5	426.8	916344.399933	1124840.399960	43.086600	-76.223400	Within contract limit line(s).	
MW-04D	388.66	916253.599970	1125514.000050	43.088400	-76.223800	Within contract limit line(s).	
MW-04G	388.84	916249.700046	1125510.899980	43.088400	-76.223800	Within contract limit line(s).	
MW-04I	388.75	916244.699964	1125508.799960	43.088400	-76.223800	Within contract limit line(s).	
MW-04S	388.61	916240.800040	1125504.700020	43.088400	-76.223800	Within contract limit line(s).	
MW-05D	388.19	915308.200022	1125359.099950	43.088000	-76.227300	Within contract limit line(s).	
MW-05I	388.08	915311.100085	1125364.100030	43.088000	-76.227300	Within contract limit line(s).	
MW-05S	388.27	915313.999954	1125369.200020	43.088100	-76.227300	Within contract limit line(s).	
MW-11I	411.39	915484.000017	1124364.000070	43.085300	-76.226700	Within contract limit line(s).	
OW-41 (EB-04)	426	916421.099991	1123587.300020	43.083200	-76.223200	Within contract limit line(s).	
OW42 (EB-04)	426	916421.099991	1123587.300020	43.083200	-76.223200	Within contract limit line(s).	
OW43 (EB-04)	426	916421.099991	1123587.300020	43.083200	-76.223200	Within contract limit line(s).	
OW51 (EB-05)	424.5	915766.400069	1123925.100020	43.084100	-76.225600	Within contract limit line(s).	
OW52 (EB-05)	424.5	915766.400069	1123925.100020	43.084100	-76.225600	Within contract limit line(s).	
OW53 (EB-05)	424.5	915766.400069	1123925.100020	43.084100	-76.225600	Within contract limit line(s).	
OW61 (EB-06)	387.4	915393.699984	1124170.200060	43.084800	-76.227000	Within contract limit line(s).	
OW62 (EB-06)	387.4	915393.699984	1124170.200060	43.084800	-76.227000	Within contract limit line(s).	

Table 1-0 Provided Monitoring Wells Coordinates

	Applicable Monitoring Wells							
NAME	SURF_ELEV	х	Y	Lat(Y)	Lon(X)	Comment		
OW71 (EB-07)	427.9	916582.299957	1123843.499990	43.083900	-76.222600	Within contract limit line(s).		
OW72 (EB-07) 427.9 9		916582.299957	1123843.499990	43.083900	-76.222600	Within contract limit line(s).		
OW73 (EB-07)	427.9	916582.299957	1123843.499990	43.083900	-76.222600	Within contract limit line(s).		
OW81 (EB- 08)	425.2	916784.700060	1124196.500050	43.084800	-76.221800	Within contract limit line(s).		
OW82 (EB-08)	425.2	916784.700060	1124196.500050	43.084800	-76.221800	Within contract limit line(s).		
OW91 (EB-09)	410	917099.299948	1124649.599910	43.086100	-76.220600	Within contract limit line(s).		
OW92 (EB-09)	410	917099.299948	1124649.599910	43.086100	-76.220600	Within contract limit line(s).		
PZ201.1	428.2	916971.899907	1123767.799980	43.083600	-76.221100	Within contract limit line(s).		
PZ201.2	428.2	916971.899907	1123767.799980	43.083600	-76.221100	Within contract limit line(s).		
PZ201.3	428.2	916971.899907	1123767.799980	43.083600	-76.221100	Within contract limit line(s).		
WB18-OW-1S	388.62	916227.511990	1125506.092940	43.088400	-76.223900	Within contract limit line(s).		
WB18-OW-02S	388.44	916226.487926	1125484.388930	43.088400	-76.223900	Within contract limit line(s).		
WB18-OW-05G	388.18	916263.340874	1125433.012050	43.088200	-76.223700	Within contract limit line(s).		
WB18-OW-06G	388.24	916270 810985	1125485 949910	43 088400	-76 223700	Within contract limit line(s)		
WB18-TW-015	388.47	916232 109920	1125498 903000	43 088400	-76 223900	Within contract limit line(s)		
WB18-TW-03G	388 57	916251 606056	1125490 127100	43.088400	-76 223900	Within contract limit line(s)		
MW/ 155	200.34	015122 912022	112/726 102060	43.086400	76 228000	Within contract limit line(s).		
N/W/ 165	388.43	915132.813023	1124730.193000	43.080300	-70.228000	Within contract limit line(s).		
IVIVV-105	425.0	916789.165940	1123922.812000	43.084100	-76.221800	Within contract limit line(s).		
IVIVV-161	425.88	916798.216002	1123917.047890	43.084100	-76.221800	within contract limit line(s).		
MW-16D	426.12	916806.803890	1123918.032060	43.084100	-76.221700	Within contract limit line(s).		
MW-17S	409.2	917054.621981	1125297.119000	43.087800	-76.220800	Within contract limit line(s).		
MW-17I	409.33	917055.371877	1125313.449030	43.087900	-76.220800	Within contract limit line(s).		
MW-17D	409.2	917074.006978	1125302.673030	43.087900	-76.220700	Within contract limit line(s).		
MW-18S	424.69	916106.860045	1123894.476070	43.084000	-76.224300	Within contract limit line(s).		
MW-18I	424.59	916102.582946	1123898.108990	43.084000	-76.224400	Within contract limit line(s).		
MW-18D	425	916090.989085	1123905.728000	43.084000	-76.224400	Within contract limit line(s).		
MW-18G	424.8	916097.453913	1123901.017960	43.084000	-76.224400	Within contract limit line(s).		
MW-04BR	388.98	916260.726000	1125515.822000	43.088400	-76.223700	Within contract limit line(s).		
MW-23I	429.72	917105.029596	1123306.560660	43.082400	-76.220600	Within contract limit line(s).		
MW-28G	366.82	916195.188200	1125677.707000	43.088900	-76.224000	Within contract limit line(s).		
MW-29G	366.02	915913.757500	1125531.398000	43.088500	-76.225100	Within contract limit line(s).		
MW-30G	388.08	915687.402000	1125096.644000	43.087300	-76.225900	Within contract limit line(s).		
MW-24G	408.17	917481.991000	1125915.407000	43.089500	-76.219200	Within contract limit line(s).		
MW-25G	423.37	916554.592000	1125125.515000	43.087400	-76.222700	Within contract limit line(s).		
MW-26G	377.77	916089.262000	1123713.810000	43.083500	-76.224400	Within contract limit line(s).		
MS-301.1	-	-	-	-	-	Within contract limit line(s).		
MS-301.2	-	-	-	-	-	Within contract limit line(s).		
MS-301.3	_	_	_	_	_	Within contract limit line(s)		
MS-301.0			_		_	Within contract limit line(s)		
MS_201 5						Within contract limit line(s).		
DI A	-	-	-	-	-	Within contract limit line(s).		
	-	-	-	-	-	Within contract limit life(5).		
PZ-8.1, PZ-8.2	-	-	-	-	-	within contract limit line(s).		
INC-4	-	-	-	-	-	vvitnin contract limit line(s).		
W-201R	-	-	-	-	-	Within contract limit line(s).		

Note: Monitoring wells identified above that do not include detailed information are either those proposed to be abandoned or modified; or are those whose information was not readily available. A survey was performed documenting location and surface elevation of modified monitoring wells.

Appendix iii. (Amphitheater Project Monitoring Well Identification - Post Modification, dated December 2015) includes final survey information of modified Monitoring Wells. Survey information performed by Thew Associates PE-LS, PLLC.

2.3 Monitoring Wells Abandoned

Appendix i. (Monitoring Well Location Map, dated December 2015) indicates known monitoring wells overlaid on the proposed Amphitheater Project site. Indicated monitoring wells are known based on the provided existing conditions survey (performed by Thew Associates, PLLC; dated April 4, 2014); provided monitoring well information (provided by O'Brien & Gere); and discovery.

The monitoring wells abandoned either were located within a new structure, roadway, or area; or are not conducive to modification (i.e. flush mount of wellhead).

Referencing the Potential Monitoring Well Location Map (Appendix i.) there were two (2) Monitoring Wells (MW-25G and CM108) abandoned (i.e. decommissioned); and varying Monitoring Wells modified (i.e. riser height adjusted). Onsite, there exists one settlement plate (PL-4) within the Amphitheater Project's footprint that was permitted to be modified and surveyed elevations were taken prior to modification and following. One (1) inclinometer and one (1) piezometer were additionally requested to be modified.

Of two (2) Monitoring Wells decommissioned, MW-25G is located in the proposed Amphitheater Lawn Seating Area; and CM108 is located at the constructed vendor overflow area of the amphitheater (at the rear of the Lawn Seating Area). Both MW-25G and CM108 were identified as wells that may be abandoned per O'Brien & Gere.

Table 2-0 Monitoring Wells Abandoned

Monitoring Wells to be Abandoned (i.e. Decommissioned)										
NAME	SURF_ELEV X Y Lat(Y) Lon(X) Comment									
MW-25G	423.37	916554.592000	1125125.515000	43.087400	-76.222700	Decommissioned.				
CM108	CM108 425.4 916109.900096 1125128.100010 43.087400 -76.224300 Decommissioned.									

Monitoring Well (MW) 25-G was granted advanced permission to be decommissioned. The well (25-G) was abandoned on June 4, 2015 by Parratt-Wolff, Inc. (Well Decommissioning Record is attached to the Work Plan as Appendix viii).

Monitoring Well (MW) CM108 was granted advanced permission to be decommissioned. The well (CM108) was abandoned on October 30, 2015 by Parratt-Wolff, Inc. (Well Decommissioning Record is attached to the Work Plan as Appendix viii).

The monitoring wells identified in Table 2-0 were protected from construction activities until the wells were decommissioned.

2.4 Monitoring Wells Modified

Select Monitoring Wells that are located within a new structure, roadway, or area developed for the Amphitheater Project were modified. Reference Section 3. Construction, for specifics on methods for Monitoring Well modification.

Monitoring Wells Modified w. Pre-Modification Existing Information										
NAME	SURF_ELEV	х	Y	Lat(Y)	Lon(X)	Comment				
MW-04D	388.66	916253.599970	1125514.000050	43.088400	-76.223800	Modified (i.e. riser height adjusted).				
MW-04G	388.84	916249.700046	1125510.899980	43.088400	-76.223800	Modified (i.e. riser height adjusted).				
MW-04I	388.75	916244.699964	1125508.799960	43.088400	-76.223800	Modified (i.e. riser height adjusted).				
MW-04S	388.61	916240.800040	1125504.700020	43.088400	-76.223800	Modified (i.e. riser height adjusted).				
MW-04BR	388.98	916260.726000	1125515.822000	43.088400	-76.223700	Modified (i.e. riser height adjusted).				
WB18-OW-1S	388.62	916227.511990	1125506.092940	43.088400	-76.223900	Modified (i.e. riser height adjusted).				
WB18-OW-02S	388.44	916226.487926	1125484.388930	43.088400	-76.223900	Modified (i.e. riser height adjusted).				
WB18-OW-06G	388.24	916270.810985	1125485.949910	43.088400	-76.223700	Modified (i.e. riser height adjusted).				
WB18-TW-01S	388.47	916232.109920	1125498.903000	43.088400	-76.223900	Modified (i.e. riser height adjusted).				
WB18-TW-03G	388.54	916251.606056	1125490.127100	43.088400	-76.223800	Modified (i.e. riser height adjusted).				
WB18-OW-05G	388.18	916263.340874	1125433.012050	43.088200	-76.223700	Modified (i.e. riser height adjusted).				
MS-301.1	-	-	-	-	-	Modified (i.e. riser height adjusted).				
MS-301.2	-	-	-	-	-	Modified (i.e. riser height adjusted).				
MS-301.3	-	-	-	-	-	Modified (i.e. riser height adjusted).				
MS-301.4	-	-	-	-	-	Modified (i.e. riser height adjusted).				
MS-301.5	-	-	-	-	-	Modified (i.e. riser height adjusted).				
PL-4	-	-	-	-	-	Modified (i.e. riser height adjusted).				
PZ-8.1, PZ-8.2	-	-	-	-	-	Modified (i.e. riser height adjusted).				
INC-4	-	-	-	-	-	Modified (i.e. riser height adjusted).				
W-201R	-	-	-	-	-	Modified (i.e. riser height adjusted).				
MW-10.1	-	-	-	-	-	Modified (i.e. riser height adjusted).				
MW-10.2	-	-	-	-	-	Modified (i.e. riser height adjusted).				
B-6; PZ-8.1	-	-	-	-	-	Modified (i.e. riser height adjusted).				
W-201R	-	-	-	-	-	Modified (i.e. riser height adjusted).				

Table 2-1 Monitoring Wells Modified

Note: Monitoring wells identified above that do not include detailed information are either those proposed to be abandoned or modified; or are those whose information was not readily available. A survey was performed documenting location and surface elevation of modified monitoring wells.

Appendix iii. (Amphitheater Project Monitoring Well Identification - Post Modification, dated December 2015) includes final survey information of modified Monitoring Wells. Survey information performed by Thew Associates PE-LS, PLLC.

The monitoring wells identified in Table 2-1 were protected from construction activities until the wells were modified.

3. Construction

During construction, Monitoring Wells were either abandoned (i.e. decommissioned), modified (e.g. riser pipe height adjusted, wellhead installed limiting access, etc.), or protected. Following construction, unimpaired accessibility was restored to protected monitoring wells. The following procedure was followed for modification (of Monitoring Wells):

- Protect existing well from damage while completing work.
- Prior to cutting operation, remove existing cap (taking care to prevent damage) for reuse.
- Cut existing pipe to elevation indicated (reference Appendix v.). Rethread (or prep to epoxy) to accept reused cap (if existing cap is undamaged, otherwise a new cap will be installed).
- Grade surrounding area away from well to prevent ponding.

- Coordinate final elevation with proposed grade.
- Inner pipe (reference Appendix v. Monitoring Well Modification Detail) shall be cut down as needed to maintain original function. Survey elevation of inner PVC pipe upon completion.
- Survey final location and elevation of all modified wells.

Modification details are presented on the diagram provided in Appendix v. (C&S Well Modification Detail Drawing, dated May 2015).

3.1 Method for Decommissioning

To determine the method of decommissioning, Figure 2 of NYSDEC CP-43: Groundwater Monitoring Well Decommissioning Policy (dated August 2009) was referenced.

Based on initial review of the criteria for selecting appropriate decommissioning methods and review of Monitoring Well available information, including visual inspection of Monitoring Well conditions; grouting in-place was the selected method of decommissioning at the Amphitheater Site (for the two Monitoring Wells scheduled to be decommissioned).

In summary, grout seals the borehole and any portion of the Monitoring Well that is not removed. This method is specified for the decommissioning of small-diameter cased Monitoring Wells, such as those identified at the site for decommissioning under this Work Plan.

Grouting in-place involves filling the casing with grout to a level of five ft below ground surface, cutting the Monitoring Well casing at the five-ft depth, and removing the top portion of the casing and associated Monitoring Well materials from the ground (e.g., stick up riser, protective casing, etc.). The casing was grouted according to established procedures. In addition, the upper five ft of the borehole was filled to the ground surface and restored using suitable material. If excessive grout is noted as being lost down-hole, grouting will be conducted in stages to reduce the pressure caused by the height of the grout column.

Referencing New York State Department of Environmental Conservation (NYSDEC) CP-43: Groundwater Monitoring Well Decommissioning Policy, dated August 2009:

Grouting In-Place

Grouting in-place is the proposed decommissioning method. The grout seals the borehole and any portion of the monitoring well that may be left in the ground. Whenever possible a well shall be sealed first with grout before attempting subsequent decommissioning steps.

Selecting, Mixing, and Placing Grout

The goal of well decommissioning is to eliminate the capability of water to travel up or down within the volume of the former well and its boring. There are two types of grout mixes that may be used to seal monitoring wells: a standard mix and a special mix. Both mixes use Type 1 Portland cement and four percent bentonite by weight.

Grout Placement

Guidance requires that grout be placed in the well from the bottom to the top by means of a "tremie." A tremie is a pipe, a hose or a tube extending from the grout supply to the bottom of the well. The tremie delivers the grout all the way down through the water column without its being diluted and mixed with the water that may be present in the well. The tremie pipe or tube is withdrawn as (or after) the well is filled with grout.

Backfilling & Site Restoration

The uppermost of the borehole at the land surface shall be filled with material physically similar to the natural soils. The surface of the borehole should be restored to the condition of the area surrounding the borehole. For example, concrete or asphalt will be patched with concrete or asphalt of the same type and thickness, grassed areas will be seeded, and topsoil will be used in other areas.

If any existing Monitoring Well are not abandoned/decommissioned, but determined by Owner to be modified and flush-mounted the proposed Typical Wellhead Detail (reference Appendix v.) will be referenced. Care was taken to ensure there is not a concern for water infiltration with respect to final grading.

3.2 Method for Protection

Existing monitoring wells located within the contract limit lines of the Amphitheater Project were protected from (construction) activities. Following construction, unimpaired accessibility was restored to protected monitoring wells.

Prior to commencing construction activities within proximity to a monitoring well(s), wells were prominently identified and as feasible segregated by using barricades.



Figure 2-0 Examples of Identified Monitoring Wells

All vehicle operators were educated and instructed on the Monitoring Wells within their immediate vicinity and the importance for ensuring no damage was inflicted.

4. Documentation

Monitoring Wells that were modified or decommissioned have been surveyed. Survey results are included in the report in Appendix iii. (Amphitheater Project Monitoring Well Identification - Post Modification, dated December 2015).

4.1 Field Documentation

Documentation of the decommissioning process including decommissioning logs and survey data for the abandoned/modified wells are included in this document (as Appendices). They contain:

- Monitoring well's identification and known construction details. (e.g., registration number, location, owner, and any other features).
- Date, time, person responsible, and contractor/consultant performing the work.
- Procedures and materials used (including predicted volume of grout, volume of grout used, and an explanation if any discrepancy exists between these values).

5. References

- New York State Department of Environmental Conservation (NYSDEC) CP-43: Groundwater Monitoring Well Decommissioning Policy, dated August 2009
- C&S Historic Boring Location Plan B-001 and B-002, dated 09/15/14
- C&S Well Modification Detail Drawing, dated May 2015
- O'Brien & Gere Exposure Areas & Sampling Locations, dated May 2014
- S&ME Site Plan Crucible Specialty Metals Landfill Site, dated 12/04/2014

Appendix i. Monitoring Well Location Map, dated December 2015



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Appendix ii. Amphitheater Project Monitoring Well Identification / Action, dated December 2015

ONONDAGA AMPHITHEATER PROJECT MONITORING WELL IDENTIFICATION / ACTION (PRE-MODIFICATION / ABANDONMENT EXISTING INFORMATION)

NAME	SURF_ELEV	Х	Y	Well_Casing	Lat(Y)	Lon(X)	Comment	Ownership / Direction		Action
CM107	424.2	916582.600070	1124940.899970	0.00	43.086900	-76.222600	Within Amphitheater (site) footprint.	Crucible Specialty Metals		
CM108	425.4	916109.900096	1125128.100010	0.00	43.087400	-76.224300	Within Amphitheater (site) footprint.	Crucible Specialty Metals	Existing information prior to decommissioning.	Decon
CM109	427.1	915953.200088	1124098.700090	0.00	43.084600	-76.224900	Within Amphitheater (site) footprint.	Crucible Specialty Metals		
CM201	428.2	916802.500071	1124790.000090	0.00	43.086400	-76.221700	Within contract limit line(s).	Unconfirmed ownership; assumed as Crucible.		
DW102	410.2	916970.700035	1125528.499980	412.82	43.088500	-76.221100	Within Amphitheater (site) footprint.	Crucible Specialty Metals		
DW103	424.9	915654.399908	1124348.199980	427.00	43.085300	-76.226000	Within Amphitheater (site) footprint.	Crucible Specialty Metals	Existing information prior to modification(s).	Modifi
MS104.1	426.8	916854.300018	1123850.600090	347.80	43.083900	-76.221600	Within Amphitheater (site) footprint.	Crucible Specialty Metals		
MS104.2	426.8	916854.300018	1123850.600090	0.00	43.083900	-76.221600	Within Amphitheater (site) footprint.	Crucible Specialty Metals		
MS104.3	426.8	916854.300018	1123850.600090	0.00	43.083900	-76.221600	Within Amphitheater (site) footprint.	Crucible Specialty Metals		
MS104.4	426.8	916854.300018	1123850.600090	428.45	43.083900	-76.221600	Within Amphitheater (site) footprint.	Crucible Specialty Metals		
MS104.5	426.8	916854.300018	1123850.600090	428.98	43.083900	-76.221600	Within Amphitheater (site) footprint.	Crucible Specialty Metals		
MS104.6	430.4	916854.300018	1123850.600090	435.21	43.083900	-76.221600	Within Amphitheater (site) footprint.	Crucible Specialty Metals		
MS105.1	425.8	916286.699952	1123976.000020	356.80	43.084200	-76.223700	Within contract limit line(s).	Unconfirmed ownership; assumed as Crucible.		
MS105.2	425.8	916286.699952	1123976.000020	0.00	43.084200	-76.223700	Within contract limit line(s).	Unconfirmed ownership; assumed as Crucible.		
MS105.3	425.8	916286.699952	1123976.000020	0.00	43.084200	-76.223700	Within contract limit line(s).	Unconfirmed ownership; assumed as Crucible.		
MS105.4	425.8	916286.699952	1123976.000020	0.00	43.084200	-76.223700	Within contract limit line(s).	Unconfirmed ownership; assumed as Crucible.		
MS105.5	425.8	916286.699952	1123976.000020	0.00	43.084200	-76.223700	Within contract limit line(s).	Unconfirmed ownership; assumed as Crucible.		
MS106.1	426.8	916344.399933	1124840.399960	353.80	43.086600	-76.223400	Within contract limit line(s).	Unconfirmed ownership; assumed as Crucible.		
MS106.2	426.8	916344.399933	1124840.399960	0.00	43.086600	-76.223400	Within contract limit line(s).	Unconfirmed ownership; assumed as Crucible.		
MS106.3	426.8	916344.399933	1124840.399960	0.00	43.086600	-76.223400	Within contract limit line(s).	Unconfirmed ownership; assumed as Crucible.		
MS106.4	426.8	916344.399933	1124840.399960	435.21	43.086600	-76.223400	Within contract limit line(s).	Unconfirmed ownership; assumed as Crucible.		
MS106.5	426.8	916344.399933	1124840.399960	0.00	43.086600	-76.223400	Within contract limit line(s).	Unconfirmed ownership; assumed as Crucible.		
MW-04D	388.66	916253.599970	1125514.000050	390.74	43.088400	-76.223800	Within contract limit line(s).	O'Brien & Gere request to maintain.	Existing information prior to modification(s).	Modifi
MW-04G	388.84	916249.700046	1125510.899980	390.75	43.088400	-76.223800	Within contract limit line(s).	O'Brien & Gere request to maintain.	Existing information prior to modification(s).	Modifi
MW-04I	388.75	916244.699964	1125508.799960	390.85	43.088400	-76.223800	Within contract limit line(s).	O'Brien & Gere request to maintain.	Existing information prior to modification(s).	Modifi
MW-04S	388.61	916240.800040	1125504.700020	390.43	43.088400	-76.223800	Within contract limit line(s).	O'Brien & Gere request to maintain.	Existing information prior to modification(s).	Modifi
MW-05D	388.19	915308.200022	1125359.099950	389.41	43.088000	-76.227300	Within contract limit line(s).	O'Brien & Gere request to maintain.		
MW-05I	388.08	915311.100085	1125364.100030	390.02	43.088000	-76.227300	Within contract limit line(s).	O'Brien & Gere request to maintain.		
MW-05S	388.27	915313.999954	1125369.200020	390.27	43.088100	-76.227300	Within contract limit line(s).	O'Brien & Gere request to maintain.		
MW-11I	411.39	915484.000017	1124364.000070	413.21	43.085300	-76.226700	Within contract limit line(s).	Potentially abandoned per O'Brien & Gere.		
OW-41 (EB-04)	426	916421.099991	1123587.300020	0.00	43.083200	-76.223200	Within contract limit line(s).	Unknown ownership.		
OW42 (EB-04)	426	916421.099991	1123587.300020	0.00	43.083200	-76.223200	Within contract limit line(s).	Unknown ownership.		
OW43 (EB-04)	426	916421.099991	1123587.300020	0.00	43.083200	-76.223200	Within contract limit line(s).	Unknown ownership.		
OW51 (EB-05)	424.5	915766.400069	1123925.100020	0.00	43.084100	-76.225600	Within contract limit line(s).	Previously abandoned.		
OW52 (EB-05)	424.5	915766.400069	1123925.100020	0.00	43.084100	-76.225600	Within contract limit line(s).	Previously abandoned.		
OW53 (EB-05)	424.5	915766.400069	1123925.100020	0.00	43.084100	-76.225600	Within contract limit line(s).	Previously abandoned.		
OW61 (EB-06)	387.4	915393.699984	1124170.200060	0.00	43.084800	-76.227000	Within contract limit line(s).	Unknown ownership.		
OW62 (EB-06)	387.4	915393.699984	1124170.200060	0.00	43.084800	-76.227000	Within contract limit line(s).	Unknown ownership.		
OW71 (EB-07)	427.9	916582.299957	1123843.499990	0.00	43.083900	-76.222600	Within contract limit line(s).	Unknown ownership.		
OW72 (EB-07)	427.9	916582.299957	1123843.499990	0.00	43.083900	-76.222600	Within contract limit line(s).	Unknown ownership.		
OW73 (EB-07)	427.9	916582.299957	1123843.499990	0.00	43.083900	-76.222600	Within contract limit line(s).	Unknown ownership.		
OW81 (EB- 08)	425.2	916784.700060	1124196.500050	0.00	43.084800	-76.221800	Within contract limit line(s).	Unknown ownership.		
OW82 (EB-08)	425.2	916784.700060	1124196.500050	0.00	43.084800	-76.221800	Within contract limit line(s).	Unknown ownership.		
OW91 (EB-09)	410	917099.299948	1124649.599910	0.00	43.086100	-76.220600	Within Amphitheater (site) footprint.	Crucible Specialty Metals		
OW92 (EB-09)	410	917099.299948	1124649.599910	0.00	43.086100	-76.220600	Within Amphitheater (site) footprint.	Crucible Specialty Metals		
PZ201.1	428.2	916971.899907	1123767.799980	0.00	43.083600	-76.221100	Within contract limit line(s).	Likely belongs to Crucible.		
PZ201.2	428.2	916971.899907	1123767.799980	0.00	43.083600	-76.221100	Within contract limit line(s).	Likely belongs to Crucible.		
PZ201.3	428.2	916971.899907	1123767.799980	0.00	43.083600	-76.221100	Within contract limit line(s).	Likely belongs to Crucible.		
WB18-OW-1S	388.62	916227.511990	1125506.092940	390.87	43.088400	-76.223900	Within contract limit line(s).	May be abandoned per O'Brien & Gere.	Existing information prior to modification(s).	Modifi
WB18-OW-02S	388.44	916226.487926	1125484.388930	390.70	43.088400	-76.223900	Within contract limit line(s).	May be abandoned per O'Brien & Gere.	Existing information prior to modification(s).	Modifi
WB18-OW-05G	388.18	916263.340874	1125433.012050	389.79	43.088200	-76.223700	Within Amphitheater (site) footprint.	May be abandoned per O'Brien & Gere.	Existing information prior to modification(s).	Modifi
WB18-OW-06G	388.24	916270.810985	1125485.949910	39.43	43.088400	-76.223700	Within contract limit line(s).	May be abandoned per O'Brien & Gere.	Existing information prior to modification(s).	Modifi
WB18-TW-01S	388.47	916232.109920	1125498.903000	390.45	43.088400	-76.223900	Within contract limit line(s).	May be abandoned per O'Brien & Gere.	Existing information prior to modification(s).	Modifi
WB18-TW-03G	388.54	916251.606056	1125490.127100	390.64	43.088400	-76.223800	Within contract limit line(s).	May be abandoned per O'Brien & Gere.	Existing information prior to modification(s).	Modifi
MW-15S	388.43	915132.813023	1124736.193060	390.40	43.086300	-76.228000	Within contract limit line(s).	May be abandoned per O'Brien & Gere.		
MW-16S	425.6	916789.165940	1123922.812000	428.11	43.084100	-76.221800	Within Amphitheater (site) footprint.	O'Brien & Gere request to maintain.		
MW-16I	425.88	916798.216002	1123917.047890	427.62	43.084100	-76.221800	Within Amphitheater (site) footprint.	O'Brien & Gere request to maintain.		
MW-16D	426.12	916806.803890	1123918.032060	427.96	43.084100	-76.221700	Within Amphitheater (site) footprint.	O'Brien & Gere request to maintain.		
MW-17S	409.2	917054.621981	1125297.119000	410.90	43.087800	-76.220800	Within Amphitheater (site) footprint.	O'Brien & Gere request to maintain.		
MW-17I	409.33	917055.371877	1125313.449030	411.75	43.087900	-76.220800	Within Amphitheater (site) footprint.	O'Brien & Gere request to maintain.		

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Appendix ii. Amphitheater Project Monitoring Well Identification / Action, dated December 2015

ONONDAGA AMPHITHEATER PROJECT MONITORING WELL IDENTIFICATION / ACTION (PRE-MODIFICATION / ABANDONMENT EXISTING INFORMATION)

NAME	SURF_ELE	EV X	Y	Well_Casing	g Lat(Y)	Lon(X)	Comment	Ownership / Direction		Action / Note
MW-17D	409.2	917074.006978	1125302.673030	411.55	43.087900	-76.220700	Within Amphitheater (site) footprint.	O'Brien & Gere request to maintain.		
MW-18S	424.69	916106.860045	1123894.476070	426.59	43.084000	-76.224300	Within contract limit line(s).	O'Brien & Gere request to maintain.		
MW-18I	424.59	916102.582946	1123898.108990	426.30	43.084000	-76.224400	Within contract limit line(s).	O'Brien & Gere request to maintain.		
MW-18D	425	916090.989085	1123905.728000	427.08	43.084000	-76.224400	Within contract limit line(s).	O'Brien & Gere request to maintain.		
MW-18G	424.8	916097.453913	1123901.017960	426.59	43.084000	-76.224400	Within contract limit line(s).	O'Brien & Gere request to maintain.		
MW-04BR	388.98	916260.726000	1125515.822000	391.35	43.088400	-76.223700	Within contract limit line(s).	O'Brien & Gere request to maintain.	Existing information prior to modification(s).	Modified (i.e. riser height adjusted).
MW-23I	429.72	917105.029596	1123306.560660	431.67	43.082400	-76.220600	Within contract limit line(s).	O'Brien & Gere request to maintain.		
MW-28G	366.82	916195.188200	1125677.707000	369.33	43.088900	-76.224000	N/A	Previously abandoned.		
MW-29G	366.02	915913.757500	1125531.398000	368.30	43.088500	-76.225100	Within contract limit line(s).	Previously abandoned.		
MW-30G	388.08	915687.402000	1125096.644000	390.33	43.087300	-76.225900	Within Amphitheater (site) footprint.	May be abandoned per O'Brien & Gere.	Existing information prior to modification(s).	Modified (i.e. riser height adjusted).
MW-24G	408.17	917481.991000	1125915.407000	410.39	43.089500	-76.219200	Within contract limit line(s).	O'Brien & Gere request to maintain.		
MW-25G	423.37	916554.592000	1125125.515000	425.77	43.087400	-76.222700	Within Amphitheater (site) footprint.	May be abandoned per O'Brien & Gere.	Existing information prior to decommissioning.	Decommissioned.
MW-26G	377.77	916089.262000	1123713.810000	380.15	43.083500	-76.224400	Within contract limit line(s).	Previously abandoned.		
MS-301.1	-	-	-	-	-	-	Within Amphitheater (site) footprint.	Crucible Specialty Metals	Existing information prior to modification(s).	Modified (i.e. riser height adjusted).
MS-301.2	-	-	-	-	-	-	Within Amphitheater (site) footprint.	Crucible Specialty Metals	Existing information prior to modification(s).	Modified (i.e. riser height adjusted).
MS-301.3	-	-	-	-	-	-	Within Amphitheater (site) footprint.	Crucible Specialty Metals	Existing information prior to modification(s).	Modified (i.e. riser height adjusted).
MS-301.4	-	-	-	-	-	-	Within Amphitheater (site) footprint.	Crucible Specialty Metals	Existing information prior to modification(s).	Modified (i.e. riser height adjusted).
MS-301.5	-	-	-	-	-	-	Within Amphitheater (site) footprint.	Crucible Specialty Metals	Existing information prior to modification(s).	Modified (i.e. riser height adjusted).
PL-4	-	-	-	-	-	-	Within Amphitheater (site) footprint.	Crucible Specialty Metals	Existing information prior to modification(s).	Modified (i.e. riser height adjusted).
PZ-8.1, PZ-8.2	-	-	-	-	-	-	Within Amphitheater (site) footprint.	Crucible Specialty Metals	Existing information prior to modification(s).	Modified (i.e. riser height adjusted).
INC-4	-	-	-	-	-	-	Within Amphitheater (site) footprint.	Crucible Specialty Metals	Existing information prior to modification(s).	Modified (i.e. riser height adjusted).
W-201R	-	-	-	-	-	-	Within Amphitheater (site) footprint.	Crucible Specialty Metals	Existing information prior to modification(s).	Modified (i.e. riser height adjusted).
MW-10.1	-	-	-	-	-	-	Within Amphitheater (site) footprint.	Crucible Specialty Metals	Existing information prior to modification(s).	Modified (i.e. riser height adjusted).
MW-10.2	-	-	-	-	-	-	Within Amphitheater (site) footprint.	Crucible Specialty Metals	Existing information prior to modification(s).	Modified (i.e. riser height adjusted).
B-6; PZ-8.2	-	-	-	-	-	-	Within Amphitheater (site) footprint.	Crucible Specialty Metals	Existing information prior to modification(s).	Modified (i.e. riser height adjusted).

Note: Monitoring wells identified above that do not include detailed information are either those proposed to be abandoned or modified; or are those whose information was not readily available. A survey was performed documenting location and surface elevation of modified monitoring wells.

ONONDAGA AMPHITHEATER PROJECT MONITORING WELL POST-MODIFICATION

DN103 112440-348 91593-212 423.022 MMUVL.103 Imm PVC Surface Elevation Modified (a. rate high sliptice). MV-900 112593.329 91623-22 389.846 MVOID_DO Concrete Sass Surface Elevation Modified (a. rate high sliptice). MV-9406 112591.399 91623-22 389.846 MVOID_CO Concrete Sass Surface Elevation Modified (a. rate high sliptice). MV-9404 112591.399 91624.514 390.056 MVOID_CO Concrete Sass Surface Elevation Modified (a. rate high sliptice). MV-941 112506.579 91624.519 389.723 MMOIL_PV Imm PVC Surface Elevation Modified (a. rate high sliptice). MV-948 112506.529 91622.7121 380.62 MVOINS_CO Concrete Sass Surface Elevation Modified (a. rate high sliptice). W165.0V15 112566.529 91622.67 91622.67 91622.67 MVOINS_CO Concrete Sass Surface Elevation Modified (a. rate high sliptice). W165.0V165 112566.57 91622.67 91622.67 91622.67 91622.67 91623.41 8163.04 MVOINDS_CO Surface Elevation	Name	Northing	Easting	Elevation	Code	Description	Action / Note
Min-40 112501.312 91623.511 91022.22 98.44 MVADQ. Constrain Envelorin Modified (a. niter hight adjusted). Min-40.4 112551.358 91624.227 389.84 MVADQ. Co. Converts Ease Surbes Envelorin Modified (a. niter hight adjusted). Min-40.4 112550.238 91624.217 389.82 MVADL, Co. Surbes Envelorin Modified (a. niter hight adjusted). Min-40.4 112550.428 91624.513 91624.513 91624.513 91624.513 Minol. Co. Surbas Envelorin Modified (a. niter hight adjusted). Min-40.4 112550.429 91624.1 300.23 MiNOL, CO. Converts Ease Envelorin Modified (a. niter hight adjusted). Min-40.4 112550.427 91624.138 300.23 MiNOL, CO. Converts Ease Surbas Envelorin Modified (a. niter hight adjusted). Min-40.48 112550.427 91624.268 91624.268 MiNOVADCS. Converts Ease Surbas Envelorin Modified (a. niter hight adjusted). Will Kork 91556.578 91622.468 391.271 MiNOVADCS. Surbas Envelorin Modified (a. niter hight adjusted).	DW103	1124404.346	915593.212	423.052	MWDW_103	Inner PVC Surface Elevation	Modified (i.e. riser height adjusted).
MW-40 112581.388 91672.32 388.48 MW-40 Concerts lase Surface Evention Mode (iii) cirrar high subject) MW-440 112511.38 91674.327 388.44 MW-40 C Concerts lase Surface Evention Mode (iii) cirrar high subject) MW-441 112500.37 91674.319 390.05 MW-41 V Concerts lase Surface Evention Mode (iii) cirrar high subject) MW-444 112500.47 91674.319 389.72 MW-41 V Concerts lase Surface Evention Mode (iii) cirrar high subject) MW-444 112500.49 91620.411 390.23 MW-41 V For PV NS surface Evention Mode (iii) cirrar high subject) MW-445 112500.69 91620.411 390.24 MW/W-12, Concerts lase Surface Evention Mode (iii) cirrar high subject) WB18-0V-42 112646.15 91622.465 391.027 MW/W-12, Concerts lase Surface Evention Mode (iii) cirrar high subject) WB18-0V-45 112546.21 91623.46 392.76 MW/W-102, Concerts lase Surface Evention Mode (iii) cirrar high subject) WB18-0V-46 11254.42 91627.148 390.16 MW/W-102, Concerts l	MW-04D	1125513.812	916253.611	390.022	MW04D_CA	Surface Elevation	Modified (i.e. riser height adjusted).
MM-046 112511309 91249.227 389.344 MM04C, CO Concrete Bases Suffice Elevation Modified (a. ren religit adjustic). MM-040 1125509.229 91264.146 300.049 MM04L Concrete Base Suffice Elevation Modified (a. ren religit adjustic). MM-041 1125509.57 91264.146 300.049 MM04E, CO Concrete Base Suffice Elevation Modified (a. ren religit adjustic). MM-042 1125509.57 91264.136 300.04 MM04E, CO Concrete Base Suffice Elevation Modified (a. ren religit adjustic). MM-045 112550.57 91262.172 300.04 MM04E, CO Concrete Base Suffice Elevation Modified (a. ren religit adjustic). W116-0W-15 112550.57 91262.28 388.22 MM07015	MW-04D	1125513.978	916252.92	389.846	MW04D_CO	Concrete Base Surface Elevation	Modified (i.e. riser height adjusted).
MM-04 112511.350 91248.511 300.065 MW04Q, CA Surface Elevation Modified (a. riser hight adjusted). MM-04 112508.527 91245.378 389.72 MW04I, PV Inner PVC Surface Elevation Modified (a. riser hight adjusted). MM-045 112504.527 91245.378 389.72 MW04I, PV Inner PVC Surface Elevation Modified (a. riser hight adjusted). MM-045 112506.120 91624.318 380.08 MW04IS, CD Concrete Base Surface Elevation Modified (a. riser hight adjusted). WB16.0V-K15 112505.677 91522.828 381.017 MW02MD2 Concrete Base Surface Elevation Modified (a. riser hight adjusted). WB16.0V-K05 112544.523 91622.828 381.017 MW02MD2 Concrete Base Surface Elevation Modified (a. riser hight adjusted). WB16.0V-K06 112544.523 916274.68 380.181 MW02MD5 Concrete Base Surface Elevation Modified (a. riser hight adjusted). WB16.0V-K06 112545.513 916274.488 380.081 MW12MD5 Concrete Base Surface Elevation Modified (a. riser hight adjusted). WB16.0V-K061	MW-04G	1125511.908	916249.227	389.934	MW04G_CO	Concrete Base Surface Elevation	Modified (i.e. riser height adjusted).
MM-041 1125695 20 912645.146 390.049 MM041, D.O. Concrete Bases Surface Elevation Modified (a. riser height adjusted). MM-044 11255645.27 91241 390.23 MM045.70 Surface Elevation Modified (a. riser height adjusted). MM-045 1125564.584 916241.318 390.024 MM040170.5 Surface Elevation Modified (a. riser height adjusted). W181.0V-UK3 1125565.587 916222.546 390.024 MM07015.5 Concrete Ease Surface Elevation Modified (a. riser height adjusted). W181.0V-UK3 1125565.587 916222.546 390.221 MM070015.5 Concrete Ease Surface Elevation Modified (a. riser height adjusted). W181.0V-UK3 1125445.42 916226.576 390.127 MM07005.5 Surface Elevation Modified (a. riser height adjusted). W181.0V-UK3 1125445.543 91627.448 390.16 MW07005.6 Surface Elevation Modified (a. riser height adjusted). W181.0V-UK3 1125445.543 91627.448 390.16 MW07005.6 Surface Elevation Modified (a. riser height adjusted). W181.0V-UK3 1125445	MW-04G	1125511.356	916249.511	390.085	MW04G_CA	Surface Elevation	Modified (i.e. riser height adjusted).
NM-04 112506.73 91624.539 987.2 MW04 IV Inter PCV Sufface Evention Modifie (a.r. time height adjusted). NM-04S 112504.73.3 91624.1 930.8 MW04S, C0 Concret Evention Modifie (a.r. time height adjusted). NM-04S 112505.692 91622.771 390.04 MW05S, C Concret Evention Modifie (a. rate height adjusted). NM-04S 112505.697 91622.846 380.822 MW0701S, Concret Evention Modifie (a. rate height adjusted). VM16.0V-07S 112448.12 91622.8576 391.147 MW070S, Sufface Evention Modifie (a. rate height adjusted). VM16.0V-07S 112448.23 91621.826.87 392.76 MW070S, Sufface Evention Modifie (a. rate height adjusted). VM16.0V-07S 112448.23 91621.426 390.181 MW070S, Sufface Evention Modifie (a. rate height adjusted). VM16.0V-07S 112448.53 91622.422 380.916 MW070S, Sufface Evention Modifie (a. rate height adjusted). VM16.0V-07S 112449.73 91622.423 380.73 MW170S, Sufface Evention Modifie (a. rate height adjusted).	MW-04I	1125509.292	916245.146	390.049	MW04I_CO	Concrete Base Surface Elevation	Modified (i.e. riser height adjusted).
MM-048 1125604 7.3 916241 930.233 MMV04S, TO Surface Elevation Modified (a.e. riser height adjusto). W10405 1125506 807 916277.27 930.024 MMV01015. Surface Elevation Modified (a.e. riser height adjusto). W118.0W-15 1125506.877 916278.276 930.024 MMV0705. Concrete Base Surface Elevation Modified (a.e. riser height adjusto). W118.0W-255 112548.42 916276.275 931.221 MMV0705. Surface Elevation Modified (a.e. riser height adjusto). W118.0W-265 112542.82.18 916274.253 931.21 MMV0705. Surface Elevation Modified (a.e. riser height adjusto). W118.0W-266 112548.253 916271.44 930.16 MV0706. Surface Elevation Modified (a.e. riser height adjusto). W118.0W-268 112548.53 916272.42 308.993 MV17V105. Concrete Base Surface Elevation Modified (a.e. riser height adjusto). W118.0W-268 1125486.53 916272.42 308.993 MV17V105. Surface Elevation Modified (a.e. riser height adjusto). W118.0W-268 1125486.53	MW-04I	1125508.57	916245.379	389.72	MW04I_PV	Inner PVC Surface Elevation	Modified (i.e. riser height adjusted).
MM-048 112504 494 916240.318 30.0.8 MM-04S CO Concrete Base Surface Elevation Modified (i.e. riser height adjusted). WB18-OW-15 1125556 497 915227 523 346 389.822 MVOWDIS Concrete Base Surface Elevation Modified (i.e. riser height adjusted). WB18-OW-025 1125454 429 915223 533 91527 14 MVOWDISS Concrete Base Surface Elevation Modified (i.e. riser height adjusted). WB18-OW-025 1125424 449 916524 553 91527 144 MVOWDISS Surface Elevation Modified (i.e. riser height adjusted). WB18-OW-026 1125425 449 91627 4463 390.181 MVOWDISS Surface Elevation Modified (i.e. riser height adjusted). WB18-OW-036 1125458 533 91627 448 390.118 MVOWDISS Surface Elevation Modified (i.e. riser height adjusted). WB18-OW-036 1125489 73 91627 422 390.113 MVTWDISS Concrete Base Surface Elevation Modified (i.e. riser height adjusted). WB18-OW-036 1125489 398 91622 442 399.754 MVTWDISS Surface Elevation Modified (i.e. riser height adjusted).	MW-04S	1125504.733	916241	390.233	MW04S_TO	Surface Elevation	Modified (i.e. riser height adjusted).
With:Ov-IIS 112550.62 916227121 30.024 MWOWD1S Surface Elevation Modified (i.e. neer height adjusted). WIB1-0V-IOS 112566.87 916228.56 381.047 MWOWD1S Concrete Base Surface Elevation Modified (i.e. neer height adjusted). WIB1-0V-IOS 112546.21 916228.576 391.021 MWOWD05 Concrete Base Surface Elevation Modified (i.e. neer height adjusted). WIB1-0V-IOS 112546.23 91627.146 300.181 MWOWD065 Concrete Base Surface Elevation Modified (i.e. neer height adjusted). WIB1-0V-IOS 112546.53 91627.146 300.181 MWOWD065 Concrete Base Surface Elevation Modified (i.e. neer height adjusted). WIB1-0V-IOS 1125469.53 916272.422 399.39 MWTW01S Concrete Base Surface Elevation Modified (i.e. neer height adjusted). WIB1-0V-IOS 1125469.77 916270.446 300.43 MWTW01S Surface Elevation Modified (i.e. neer height adjusted). WIB1-0V-IOS 1125469.77 916270.446 300.44 MWTW005 Surface Elevation Modified (i.e. neer height adjusted). WIB1-0V-IOS<	MW-04S	1125504.949	916240.318	390.08	MW04S_CO	Concrete Base Surface Elevation	Modified (i.e. riser height adjusted).
WB1E-0V-05 112505.877 916228.346 38.8422 MVOWDIS_ Concrele Base Surface Elevation Modified (i.e. riser height adjusted). WB1E-0V-025 1125464.154 916228.576 391.221 MVOWDIS_ Concrele Base Surface Elevation Modified (i.e. riser height adjusted). WB1E-0V-056 1125424.241 916228.526 391.221 MVOWDIS Concrele Base Surface Elevation Modified (i.e. riser height adjusted). WB1E-0V-056 1125428.214 916271.454 390.181 MVOWDIS	WB18-OW-1S	1125506.092	916227.721	390.024	MWOW01S_	Surface Elevation	Modified (i.e. riser height adjusted).
WB16-0V-025 1125451.55 91222.69 391.21 MVOVMOS5 Concrete Base Surface Elevation Modified (i.e. riser height adjusted). WB16-0V-056 1125432.631 916264.265 392.276 MVOVMOS5_ Surface Elevation Modified (i.e. riser height adjusted). WB16-0V-056 1125432.631 916264.265 392.756 MVOVMOS5_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). WB16-0V-056 1125455.333 916271.046 390.016 MVOVMOS6_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). WB16-0V-056 1125459.337 91622.224 389.933 MVTVMOS_C Concrete Base Surface Elevation Modified (i.e. riser height adjusted). WB16-TW-035 1125499.378 916251.651 390.244 MVTVMOS_C Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MV-04BR 1125491.378 916251.651 390.244 MVOMAG_C Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MV-04BR 1125491.389 916261.651 390.244 MVOMAG_C Concrete Base Surface Elevation Modified (i.e. riser height adju	WB18-OW-1S	1125505.877	916228.346	389.822	MWOW01S_	Concrete Base Surface Elevation	Modified (i.e. riser height adjusted).
WithS-W-025 1125444.42 91225.75 391.221 MVOWDSG. Surface Elevation Modified (i.e. riser height adjusted). WithS-W-066 1125432.241 916258.221 352.756 MVOWDSG. Surface Elevation Modified (i.e. riser height adjusted). WithS-W-066 1125452.341 916258.221 352.758 MVOWDSG. Concrete Bass Surface Elevation Modified (i.e. riser height adjusted). WithS-W-066 1125459.333 91627.148 389.930 MVTWOTS_C. Surface Elevation Modified (i.e. riser height adjusted). WithS-W-076 1125459.733 91627.148 389.930 MVTWOTS_C. Surface Elevation Modified (i.e. riser height adjusted). WithS-TW-030 1125499.737 916251.045 390.241 MVTWOTS_C. Surface Elevation Modified (i.e. riser height adjusted). WithS-TW-030 1125499.783 916251.145 390.241 MVTWOTS_C. Surface Elevation Modified (i.e. riser height adjusted). MV-4048 1125516.989 916251.645 380.754 MVMVMS_C. Concrete Bass Surface Elevation Modified (i.e. riser height adjusted). MV-4048	WB18-OW-02S	1125485.155	916226.699	391.047	MWOW02S_	Concrete Base Surface Elevation	Modified (i.e. riser height adjusted).
WB18-0W-6G 1125432 91624-285 392.756 MWCW05G Surface Elevation Modified (is. riser height adjusted). WB18-0W-6G6 1125465.333 916271.048 390.161 MWCW05G_ Concrete Base Surface Elevation Modified (is. riser height adjusted). WB18-0W-6G6 1125465.333 916271.048 390.161 MWCW05G_ Concrete Base Surface Elevation Modified (is. riser height adjusted). WB18-TW-015 1125499.773 916232.422 390.173 MWTW015_ Surface Elevation Modified (is. riser height adjusted). WB18-TW-013 1125490.783 916251.645 390.244 MWTW015_ Surface Elevation Modified (is. riser height adjusted). WB18-TW-033 1125490.783 916251.651 390.244 MWTW03G_ Concrete Base Surface Elevation Modified (is. riser height adjusted). MW-408R 1125515.863 916267.051 392.744 MW040R_P Inner PVC Surface Elevation Modified (is. riser height adjusted). MW-408R 1125490.532 916804.323 424.767 MWM0301_2 Concrete Base Surface Elevation Modified (is. riser height adjusted). MW-	WB18-OW-02S	1125484.442	916226.576	391.221	MWOW02S_	Surface Elevation	Modified (i.e. riser height adjusted).
WB18-0W-066 1125432,741 916238.821 382.683 MWCW05G Concrete Base Surface Elevation Modified (is. riser height adjusted). WB18-0W-066 1125485.533 916271.048 390.161 MWCW05G Concrete Base Surface Elevation Modified (is. riser height adjusted). WB18-TW-015 1125495.777 91623.242 389.993 MWTW015 Concrete Base Surface Elevation Modified (is. riser height adjusted). WB18-TW-015 1125490.783 916251.045 390.444 MWTW03G Surface Elevation Modified (is. riser height adjusted). WB18-TW-030 1125490.783 916251.045 390.444 MWTW03G Concrete Base Surface Elevation Modified (is. riser height adjusted). WM-046R 1125516.17 390.744 MWV04BR, Concrete Base Surface Elevation Modified (is. riser height adjusted). MW-046R 1125056.13 392.744 MW04BR, Concrete Base Surface Elevation Modified (is. riser height adjusted). MW-046R 1125056.13 91626.143 392.744 MW04BR, Concrete Base Surface Elevation Modified (is. riser height adjusted). MW-046R 1125056.13 91626.143 91678.14	WB18-OW-05G	1125432.631	916264.265	392.756	MWOW05G_	Surface Elevation	Modified (i.e. riser height adjusted).
WB18-W-066 1125485.933 916271.046 390.018 MWOW066_ MWOW066_ Surface Elevation Modified (i.e. riser height adjusted). WB18-W-016 1125485.734 916270.488 399.018 MWOW066_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). WB18-W-015 1125499.778 916232.422 390.173 MWTW015_ Curace Elevation Modified (i.e. riser height adjusted). WB18-W-013 1125490.783 916251.651 390.204 MWTW03G_ Coracete Base Surface Elevation Modified (i.e. riser height adjusted). WB18-W-030 1125490.783 916251.661 390.204 MWTW03G_ Coracete Base Surface Elevation Modified (i.e. riser height adjusted). WW-448R 1125515.806 916260.808 389.45 MW048R_C Concrete Base Surface Elevation Modified (i.e. riser height adjusted). WN-306 1124905.332 916804.456 424.846 MW0301 1 Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.1 1124905.344 916879.911 424.626 MWMS301 2	WB18-OW-05G	1125432.741	916263.621	392.693	MWOW05G_	Concrete Base Surface Elevation	Modified (i.e. riser height adjusted).
WB18-W-VG6 1125485.534 91627.0488 390.016 MVW006G_MONGE_MONGE_MONGE_MONGE_MONGE MEANING Modified (i.e. riser height adjusted). WB18-W-V15 1125498.977 916322.442 389.993 MVTW015_MONE_MONE Base Surface Elevation Modified (i.e. riser height adjusted). WB18-W-V35 1125499.773 916251.045 390.434 MVTW03G_MONE Elevation Modified (i.e. riser height adjusted). WB18-W-V36 1125490.783 916251.045 390.434 MVTW03G_MONE Elevation Modified (i.e. riser height adjusted). WB18-W-V36 1125490.172 916260.146 389.754 MV04BR_P Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MV-4DR 112595.15.956 916260.080 389.45 MV04BR_P Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MV-30C 112595.32 916804.456 424.846 MVMS01 1 Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.1 1124905.532 916804.923 424.767 MVMS031 2	WB18-OW-06G	1125485.933	916271.046	390.181	MWOW06G_	Surface Elevation	Modified (i.e. riser height adjusted).
WB18-TW-01S 1125498.977 916232.442 389.993 MVTW015_ MVTW015_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). WB18-TW-01S 112549.893 916251.051 390.434 MVTW03G_ MVTW03G_ Surface Elevation Modified (i.e. riser height adjusted). WB18-TW-03G 1125490.783 916251.051 390.434 MVTW03G_ MVTW03G_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MW-04BR 1125515.651 399.204 MWTW03G_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MW-04BR 1125515.651 916200.003 389.45 MW04BR_P Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MW-3061 1126095.342 916804.326 424.464 MWN301 1_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.1 1124905.32 916809.423 424.462 MWN301 1_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.2 1124905.39 916799.01 424.62 MWN301 3_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). </td <td>WB18-OW-06G</td> <td>1125485.534</td> <td>916270.488</td> <td>390.016</td> <td>MWOW06G_</td> <td>Concrete Base Surface Elevation</td> <td>Modified (i.e. riser height adjusted).</td>	WB18-OW-06G	1125485.534	916270.488	390.016	MWOW06G_	Concrete Base Surface Elevation	Modified (i.e. riser height adjusted).
WB18-TW-01S 1125489.893 916232.229 390.173 MWTW015_ MWTW015	WB18-TW-01S	1125499.777	916232.442	389.993	MWTW01S_	Concrete Base Surface Elevation	Modified (i.e. riser height adjusted).
WB18-TW-03G 1125490 783 916251 045 390.434 MVTW03G_ Surface Elevation Modified (i.e. riser height adjusted). WB18-TW-03G 1125490 178 916251 061 390.204 MVTW03G_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MW-04R 1125516 172 916200 108 389.45 MV004BR_C Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MW-04R 1125516 386 916200 808 389.45 MV004BR_P Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MW-30G 112806 532 916804.462 424.464 MWM301 1 Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.1 1124905 252 916799.923 424.82 MVMMS301 2 Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.2 1124980 252 916799.923 424.82 MVMS301 3 Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.3 112490.89 916795.199 424.87 MVMS301 3 Concrete Base Surface Elevation Modified (i.e. riser height adjusted).	WB18-TW-01S	1125498.993	916232.229	390.173	MWTW01S_	Surface Elevation	Modified (i.e. riser height adjusted).
WB18-TW-03G 1125490.198 916251.651 390.204 MVTV03G_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MW-04BR 1125516.805 916260.008 388.45 MW04BR_P Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MW-30G 112505.805 915260.008 388.45 MW04BR_P Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.1 1124095.352 916804.455 424.846 MWMS301 1. Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.2 1124895.255 916799.32 424.629 MWMS301 2. Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.2 1124892.195 916799.11 424.626 MWMS301 3. Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.3 112490.663 91679.477 424.87 MWMS301 3. Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.4 1124893.665 91678.188 424.87 MWMS301 4. Inner PVC Surface Elevation Modified (i.e. riser height adjusted).	WB18-TW-03G	1125490.783	916251.045	390.434	MWTW03G_	Surface Elevation	Modified (i.e. riser height adjusted).
MW-04BR 1125516.172 916280.146 389.754 MW04BR_C Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MW-04BR 1125516.886 916280.080 389.45 MW04BR_P Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MW-30G 1125996.334 916807.31 392.144 MW30G_PV Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.1 1124905.352 916804.456 424.846 MWMS301 1_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.2 1124892.525 916799.323 424.626 MWMS301 2_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.3 1124891.089 916795.109 424.87 MWMS301 3 Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.4 1124893.685 916794.97 424.92 MWMS301 4 Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.4 1124893.685 916787.88 424.418 MWMS301 4 Concrete Base Surface Elevation Modified (i.e. riser height adjusted).<	WB18-TW-03G	1125490.198	916251.651	390.204	MWTW03G_	Concrete Base Surface Elevation	Modified (i.e. riser height adjusted).
MW-04BR 1125515.896 916260.808 389.45 MW04BR_P Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MW-30G 1122905.324 916607.31 392.144 MW30G_P/V Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.1 1124905.525 916604.466 424.486 MWMS301 1. Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.2 1124892.525 91679.923 424.629 MWMS301 2. Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.2 1124892.525 916799.51.09 424.427 MWMS301 3. Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.3 1124903.889 916795.109 424.487 MWMS301 3. Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.4 1124903.685 916787.588 424.38 MWMS301 4. Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.5 1124903.685 916787.588 424.48 MWMS301 5. Concrete Base Surface Elevation Modified (i.e. riser height adjusted).	MW-04BR	1125516.172	916260.146	389.754	MW04BR_C	Concrete Base Surface Elevation	Modified (i.e. riser height adjusted).
MW-30G 1125096.334 915687.31 392.144 MW30G_PV Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.1 1124095.352 916804.456 424.846 MWMS301 11 Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.1 1124095.352 916799.923 424.629 MWMS301 2_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.2 1124892.195 916795.109 424.629 MWMS301 3_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.3 112490.633 916794.97 424.87 MWMS301 3_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.3 112490.633 916795.788 424.338 MWMS301 4_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.4 1124893.254 916787.88 424.418 MWMS301 5_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.5 1124904.33 916784.747 424.87 MWMS301 5_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). <td>MW-04BR</td> <td>1125515.896</td> <td>916260.808</td> <td>389.45</td> <td>MW04BR_P</td> <td>Inner PVC Surface Elevation</td> <td>Modified (i.e. riser height adjusted).</td>	MW-04BR	1125515.896	916260.808	389.45	MW04BR_P	Inner PVC Surface Elevation	Modified (i.e. riser height adjusted).
MS-301.1 1124905.352 916804.456 424.846 MWMS301 11 Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.1 1124905.904 916079.923 424.629 MWMS301 2_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.2 1124892.525 916799.923 424.629 MWMS301 2_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.3 1124910.389 916795.109 424.87 MWMS301 3_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.3 1124909.663 916794.97 424.92 MWMS301 4_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.4 1124893.655 916787.588 424.338 MWMS301 4_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.5 1124904.737 916784.141 424.87 MWMS301 5_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.5 1124904.737 916784.141 424.86 MWMS301 5_ Concrete Base Surface Elevation Modified (i.e. riser height adj	MW-30G	1125096.334	915687.31	392.144	MW30G_PV	Inner PVC Surface Elevation	Modified (i.e. riser height adjusted).
MS-301.1 1124905.904 916804.923 424.767 MWMS301 1_ MWMS301 2_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.2 1124892.255 916799.923 424.629 MWMS301 2_ MWMS301 2_ Sorta Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.2 1124892.195 916795.109 424.87 MWMS301 3_ MWMS301 3_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.3 1124909.663 916795.598 424.92 MWMS301 4_ MWMS301 4_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.4 1124893.264 916787.588 424.38 MWMS301 5_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.4 1124893.264 916784.747 424.87 MWMS301 5_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.5 1124904.737 916784.114 424.866 MWMS301 5_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). PL-4 1124916.792 916735.712 424.301 PL_4_TOP Surface Elevation Modified (i.e. riser height adjusted). PL-4 1124916.792	MS-301.1	1124905.352	916804.456	424.846	MWMS301 11	Inner PVC Surface Elevation	Modified (i.e. riser height adjusted).
MS-301.2 1124892.525 916799.923 424.629 MWMS301 2_ MWMS301 2_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.2 1124892.195 916795.109 424.827 MWMS301 3_ MWMS301 3_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.3 112490.869 916795.109 424.87 MWMS301 3_ MWMS301 4_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.4 112490.868 916787.588 424.338 MWMS301 4_ MWMS301 4_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.5 1124904.353 916784.747 424.87 MWMS301 5_ MWMS301 5_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.5 1124904.353 916784.747 424.87 MWMS301 5_ MWMS301 5_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.5 1124904.737 91678.141 424.866 MWMS301 5_ MWMS301 5_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). PL-4 1124916.834 916736.22 426.391 PL 4 Concrete Base Su	MS-301.1	1124905.904	916804.923	424.767	MWMS301 1_	Concrete Base Surface Elevation	Modified (i.e. riser height adjusted).
MS-301.2 1124892.195 916799.11 424.626 MWMS301 2_ MWS301 3_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.3 1124910.389 916795.109 424.87 MWMS301 3_ MWS301 3_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.3 1124909.663 916794.97 424.92 MWMS301 4_ MWS301 4_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.4 1124893.685 916787.8189 424.38 MWMS301 4_ MWMS301 4_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.5 1124904.353 916784.747 424.87 MWMS301 5_ MWS301 5_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.5 1124904.737 916784.141 424.866 MWMS301 5_ MWS301 5_ PL-4 Concrete Base Surface Elevation Modified (i.e. riser height adjusted). PL-4 1124916.372 916735.122 424.301 PL_4_CON Concrete Base Surface Elevation Modified (i.e. riser height adjusted). PZ-8.1 1124916.792 916733.622 426.391 PZ 1_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted)	MS-301.2	1124892.525	916799.923	424.629	MWMS301 2_	Inner PVC Surface Elevation	Modified (i.e. riser height adjusted).
MS-301.3 1124910.389 916795.109 424.87 MWMS301 3_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.3 1124909.663 916794.97 424.92 MWMS301 3_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.4 1124893.685 916787.588 424.338 MWMS301 4_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.5 1124904.353 916784.141 424.487 MWMS301 5_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). NS-301.5 1124904.737 916784.141 424.866 MWMS301 5_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). NS-301.5 1124904.737 916784.141 424.866 MWMS301 5_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). PL-4 1124916.834 916736.212 422.801 PL_4_CON Concrete Base Surface Elevation Modified (i.e. riser height adjusted). PZ-8.1 1124981.269 916735.022 426.331 PZ8 _ Inner PVC Surface Elevation Modified (i.e. riser height a	MS-301.2	1124892.195	916799.11	424.626	MWMS301 2_	Concrete Base Surface Elevation	Modified (i.e. riser height adjusted).
MS-301.3 1124909.663 916794.97 424.92 MWMS301 3_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.4 1124893.685 916787.588 424.338 MWMS301 4_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.4 1124893.254 916784.747 424.87 MWMS301 5_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.5 1124904.353 916784.747 424.87 MWMS301 5_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.5 1124904.353 916784.747 424.86 MWMS301 5_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). PL-4 1124916.834 916736.425 423.588 PL_4_CON Concrete Base Surface Elevation Modified (i.e. riser height adjusted). PZ-8.1 1124981.792 916735.712 424.301 PL_4_TOP Surface Elevation Modified (i.e. riser height adjusted). PZ-8.1 1124981.145 916793.062 426.561 INC_4_CO Concrete Base Surface Elevation Modified (i.e. riser height adjusted). <	MS-301.3	1124910.389	916795.109	424.87	MWMS301 3_	Concrete Base Surface Elevation	Modified (i.e. riser height adjusted).
MS-301.4 1124893.685 916787.588 424.338 MWMS301 4_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MS-301.4 1124893.254 916788.189 424.418 MWMS301 4_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.5 1124904.353 916784.747 424.87 MWMS301 5_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.5 1124904.737 916784.141 424.866 MWMS301 5_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). PL-4 1124916.834 916736.712 424.301 PL_4_CON Concrete Base Surface Elevation Modified (i.e. riser height adjusted). PZ-8.1 1124981.145 916735.712 426.301 PZ 8_2 Inner PVC Surface Elevation Modified (i.e. riser height adjusted). PZ-8.1 1124981.145 916730.762 426.363 PZ 8_2 Inner PVC Surface Elevation Modified (i.e. riser height adjusted). INC-4 1124981.785 916793.087 425.651 INC_4_CO Concrete Base Surface Elevation Modified (i.e. riser height adjusted).	MS-301.3	1124909.663	916794.97	424.92	MWMS301 3_	Inner PVC Surface Elevation	Modified (i.e. riser height adjusted).
MS-301.4 1124893.254 916788.189 424.418 MWMS301 4_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.5 1124904.353 916784.747 424.87 MWMS301 5_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.5 1124904.737 916784.141 424.866 MWMS301 5_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). PL-4 1124916.834 916736.425 423.588 PL_4_CON Concrete Base Surface Elevation Modified (i.e. riser height adjusted). PL-4 1124916.792 916735.712 424.301 PL_4_TOP Surface Elevation Modified (i.e. riser height adjusted). PZ-8.1 1124981.269 916733.622 426.391 PZ8 1 Inner PVC Surface Elevation Modified (i.e. riser height adjusted). NC-4 112492.868 916793.087 425.651 INC_4_CO Concrete Base Surface Elevation Modified (i.e. riser height adjusted). NC-4 112492.786 916733.063 425.651 INC_4_CO Concrete Base Surface Elevation Modified (i.e. riser height adjusted). <tr< td=""><td>MS-301.4</td><td>1124893.685</td><td>916787.588</td><td>424.338</td><td>MWMS301 4_</td><td>Concrete Base Surface Elevation</td><td>Modified (i.e. riser height adjusted).</td></tr<>	MS-301.4	1124893.685	916787.588	424.338	MWMS301 4_	Concrete Base Surface Elevation	Modified (i.e. riser height adjusted).
MS-301.5 1124904.353 916784.747 424.87 MWMS301 5_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MS-301.5 1124904.737 916784.141 424.866 MWMS301 5_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). PL-4 1124916.834 916736.425 423.588 PL_4_CON Concrete Base Surface Elevation Modified (i.e. riser height adjusted). PL-4 1124916.792 916735.712 424.301 PL_4_TOP Surface Elevation Modified (i.e. riser height adjusted). PZ-8.1 1124981.269 916793.622 426.363 PZ8 1_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). PZ-8.2 1124981.145 916793.067 426.651 INC_4_CO Concrete Base Surface Elevation Modified (i.e. riser height adjusted). INC-4 1124942.868 916793.087 426.651 INC_4_CO Concrete Base Surface Elevation Modified (i.e. riser height adjusted). INC-4 1124942.868 916792.616 426.206 INC_4_PV Inner PVC Surface Elevation Modified (i.e. riser height adjusted). <t< td=""><td>MS-301.4</td><td>1124893.254</td><td>916788.189</td><td>424.418</td><td>MWMS301 4_</td><td>Inner PVC Surface Elevation</td><td>Modified (i.e. riser height adjusted).</td></t<>	MS-301.4	1124893.254	916788.189	424.418	MWMS301 4_	Inner PVC Surface Elevation	Modified (i.e. riser height adjusted).
MS-301.5 1124904.737 916784.141 424.866 MWMS301 5 Concrete Base Surface Elevation Modified (i.e. riser height adjusted). PL-4 1124916.834 916736.425 423.588 PL_4_CON Concrete Base Surface Elevation Modified (i.e. riser height adjusted). PL-4 1124916.792 916735.712 424.301 PL_4_TOP Surface Elevation Modified (i.e. riser height adjusted). PZ-8.1 1124981.269 916793.622 426.391 PZ8 1	MS-301.5	1124904.353	916784.747	424.87	MWMS301 5_	Inner PVC Surface Elevation	Modified (i.e. riser height adjusted).
PL-4 1124916.834 916736.425 423.588 PL_4_CON Concrete Base Surface Elevation Modified (i.e. riser height adjusted). PL-4 1124916.792 916735.712 424.301 PL_4_TOP Surface Elevation Modified (i.e. riser height adjusted). PZ-8.1 1124981.269 916793.622 426.391 PZ8 1_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). PZ-8.2 1124981.145 916793.762 426.363 PZ8 2_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). INC-4 1124942.868 916793.087 425.651 INC_4_CO Concrete Base Surface Elevation Modified (i.e. riser height adjusted). INC-4 1124942.786 916792.616 426.206 INC_4_PV Inner PVC Surface Elevation Modified (i.e. riser height adjusted). W-201R 1124975.096 916513.063 425.954 MW201R_T Surface Elevation Modified (i.e. riser height adjusted). MW-10.1 1124462.211 917150.065 424.611 MWW10 1_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted).	MS-301.5	1124904.737	916784.141	424.866	MWMS301 5_	Concrete Base Surface Elevation	Modified (i.e. riser height adjusted).
PL-41124916.792916735.712424.301PL_4_TOPSurface ElevationModified (i.e. riser height adjusted).PZ-8.11124981.269916793.622426.391PZ81Inner PVC Surface ElevationModified (i.e. riser height adjusted).PZ-8.21124981.145916793.762426.363PZ82Inner PVC Surface ElevationModified (i.e. riser height adjusted).INC-41124942.868916793.087425.651INC_4_COConcrete Base Surface ElevationModified (i.e. riser height adjusted).INC-41124942.786916792.616426.206INC_4_PVInner PVC Surface ElevationModified (i.e. riser height adjusted).W-201R112495.096916513.063425.954MW201R_TSurface ElevationModified (i.e. riser height adjusted).MW-10.11124462.211917150.065424.611MWW101_Concrete Base Surface ElevationModified (i.e. riser height adjusted).MW-10.11124462.311917149.653424.001MWW101_Inner PVC Surface ElevationModified (i.e. riser height adjusted).MW-10.21124488.69917136.594423.964MWW102_Concrete Base Surface ElevationModified (i.e. riser height adjusted).MW-10.21124488.533917136.899424.376MWW102_Concrete Base Surface ElevationModified (i.e. riser height adjusted).MW-10.21124488.7013915398.428387.845PZB6PZ6Inner PVC Surface ElevationModified (i.e. riser height adjusted).B-6; PZ-8.21124	PL-4	1124916.834	916736.425	423.588	PL_4_CON	Concrete Base Surface Elevation	Modified (i.e. riser height adjusted).
PZ-8.11124981.269916793.622426.391PZ81_Inner PVC Surface ElevationModified (i.e. riser height adjusted).PZ-8.21124981.145916793.762426.363PZ82_Inner PVC Surface ElevationModified (i.e. riser height adjusted).INC-41124942.868916793.087425.651INC_4_COConcrete Base Surface ElevationModified (i.e. riser height adjusted).INC-41124942.786916792.616426.206INC_4_PVInner PVC Surface ElevationModified (i.e. riser height adjusted).W-201R1124975.096916513.063425.954MW201R_TSurface ElevationModified (i.e. riser height adjusted).MW-10.11124462.211917150.065424.611MWW101_Concrete Base Surface ElevationModified (i.e. riser height adjusted).MW-10.11124462.311917149.653424.001MWW101_Inner PVC Surface ElevationModified (i.e. riser height adjusted).MW-10.21124488.69917136.594423.964MWW102_Concrete Base Surface ElevationModified (i.e. riser height adjusted).MW-10.21124488.533917136.899424.376MWW102_Concrete Base Surface ElevationModified (i.e. riser height adjusted).MW-10.21124488.7013915398.428387.845PZB6PZ6Inner PVC Surface ElevationModified (i.e. riser height adjusted).B-6; PZ-8.21124886.884915398.334387.823PZB6PZ6Inner PVC Surface ElevationModified (i.e. riser height adjusted).B-6;	PL-4	1124916.792	916735.712	424.301	PL_4_TOP	Surface Elevation	Modified (i.e. riser height adjusted).
PZ-8.21124981.145916793.762426.363PZ82_Inner PVC Surface ElevationModified (i.e. riser height adjusted).INC-41124942.868916793.087425.651INC_4_COConcrete Base Surface ElevationModified (i.e. riser height adjusted).INC-41124942.786916792.616426.206INC_4_PVInner PVC Surface ElevationModified (i.e. riser height adjusted).W-201R1124975.096916513.063425.954MW201R_TSurface ElevationModified (i.e. riser height adjusted).MW-10.11124462.211917150.065424.611MWW101_Concrete Base Surface ElevationModified (i.e. riser height adjusted).MW-10.11124462.311917149.653424.001MWW101_Inner PVC Surface ElevationModified (i.e. riser height adjusted).MW-10.21124488.69917136.594423.964MWW102_Concrete Base Surface ElevationModified (i.e. riser height adjusted).MW-10.21124488.533917136.899424.376MWW102_Inner PVC Surface ElevationModified (i.e. riser height adjusted).MW-10.21124488.533917136.899424.376MWW102_Inner PVC Surface ElevationModified (i.e. riser height adjusted).B-6; PZ-8.11124887.013915398.428387.845PZB6PZ6Inner PVC Surface ElevationModified (i.e. riser height adjusted).B-6; PZ-8.21124886.884915398.334387.823PZB6PZ6Inner PVC Surface ElevationModified (i.e. riser height adjusted).B-6	PZ-8.1	1124981.269	916793.622	426.391	PZ8 1_	Inner PVC Surface Elevation	Modified (i.e. riser height adjusted).
INC-41124942.868916793.087425.651INC_4_COConcrete Base Surface ElevationModified (i.e. riser height adjusted).INC-41124942.786916792.616426.206INC_4_PVInner PVC Surface ElevationModified (i.e. riser height adjusted).W-201R1124975.096916513.063425.954MW201R_TSurface ElevationModified (i.e. riser height adjusted).MW-10.11124462.211917150.065424.611MWW10 1_Concrete Base Surface ElevationModified (i.e. riser height adjusted).MW-10.11124462.311917149.653424.001MWW10 1_Inner PVC Surface ElevationModified (i.e. riser height adjusted).MW-10.21124488.69917136.594423.964MWW10 2_Concrete Base Surface ElevationModified (i.e. riser height adjusted).MW-10.21124488.533917136.899424.376MWW10 2_Inner PVC Surface ElevationModified (i.e. riser height adjusted).MW-10.21124488.7.013915398.428387.845PZB6PZ6 1_Inner PVC Surface ElevationModified (i.e. riser height adjusted).B-6; PZ-8.21124886.884915398.334387.823PZB6PZ6 2_Inner PVC Surface ElevationModified (i.e. riser height adjusted).B-6; PZ-8.21124886.884915398.334387.823PZB6PZ6 2_Inner PVC Surface ElevationModified (i.e. riser height adjusted).	PZ-8.2	1124981.145	916793.762	426.363	PZ8 2_	Inner PVC Surface Elevation	Modified (i.e. riser height adjusted).
INC-41124942.786916792.616426.206INC_4_PVInner PVC Surface ElevationModified (i.e. riser height adjusted).W-201R1124975.096916513.063425.954MW201R_TSurface ElevationModified (i.e. riser height adjusted).MW-10.11124462.211917150.065424.611MWW10 1_Concrete Base Surface ElevationModified (i.e. riser height adjusted).MW-10.11124462.311917149.653424.001MWW10 1_Inner PVC Surface ElevationModified (i.e. riser height adjusted).MW-10.21124488.69917136.594423.964MWW10 2_Concrete Base Surface ElevationModified (i.e. riser height adjusted).MW-10.21124488.533917136.899424.376MWW10 2_Inner PVC Surface ElevationModified (i.e. riser height adjusted).MW-10.21124488.7.013915398.428387.845PZB6PZ6 1_Inner PVC Surface ElevationModified (i.e. riser height adjusted).B-6; PZ-8.21124886.884915398.334387.823PZB6PZ6 2_Inner PVC Surface ElevationModified (i.e. riser height adjusted).	INC-4	1124942.868	916793.087	425.651	INC_4_CO	Concrete Base Surface Elevation	Modified (i.e. riser height adjusted).
W-201R 1124975.096 916513.063 425.954 MW201R_T Surface Elevation Modified (i.e. riser height adjusted). MW-10.1 1124462.211 917150.065 424.611 MWW10 1_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MW-10.1 1124462.311 917149.653 424.001 MWW10 1_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MW-10.2 1124488.69 917136.594 423.964 MWW10 2_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MW-10.2 1124488.533 917136.899 424.376 MWW10 2_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MW-10.2 1124488.533 917136.899 424.376 MWW10 2_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MW-10.2 1124488.7.013 915398.428 387.845 PZB6PZ6 1_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). B-6; PZ-8.2 1124886.884 915398.334 387.823 PZB6PZ6 2_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted).	INC-4	1124942.786	916792.616	426.206	INC_4_PV	Inner PVC Surface Elevation	Modified (i.e. riser height adjusted).
MW-10.1 1124462.211 917150.065 424.611 MW/10 1_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MW-10.1 1124462.311 917149.653 424.001 MW/10 1_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MW-10.2 1124488.69 917136.594 423.964 MW/10 2_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MW-10.2 1124488.533 917136.899 424.376 MW/10 2_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MW-10.2 1124488.7013 915398.428 387.845 PZB6PZ6 1_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). B-6; PZ-8.2 1124886.884 915398.334 387.823 PZB6PZ6 2_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted).	W-201R	1124975.096	916513.063	425.954	MW201R_T	Surface Elevation	Modified (i.e. riser height adjusted).
MW-10.1 1124462.311 917149.653 424.001 MWW10 1_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). MW-10.2 1124488.69 917136.594 423.964 MWW10 2_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MW-10.2 1124488.533 917136.899 424.376 MWW10 2_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). B-6; PZ-8.1 1124887.013 915398.428 387.845 PZB6PZ6 1_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). B-6; PZ-8.2 1124886.884 915398.334 387.823 PZB6PZ6 2_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted).	MW-10.1	1124462.211	917150.065	424.611	MWW10 1_	Concrete Base Surface Elevation	Modified (i.e. riser height adjusted).
MW-10.2 1124488.69 917136.594 423.964 MWW10 2_ Concrete Base Surface Elevation Modified (i.e. riser height adjusted). MW-10.2 1124488.533 917136.899 424.376 MWW10 2_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). B-6; PZ-8.1 1124887.013 915398.428 387.845 PZB6PZ6 1_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). B-6; PZ-8.2 1124886.884 915398.334 387.823 PZB6PZ6 2_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted).	MW-10.1	1124462.311	917149.653	424.001	MWW10 1_	Inner PVC Surface Elevation	Modified (i.e. riser height adjusted).
MW-10.2 1124488.533 917136.899 424.376 MWW10 2_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). B-6; PZ-8.1 1124887.013 915398.428 387.845 PZB6PZ6 1_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). B-6; PZ-8.2 1124886.884 915398.334 387.823 PZB6PZ6 2_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted).	MW-10.2	1124488.69	917136.594	423.964	MWW10 2_	Concrete Base Surface Elevation	Modified (i.e. riser height adjusted).
B-6; PZ-8.1 1124887.013 915398.428 387.845 PZB6PZ6 1_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted). B-6; PZ-8.2 1124886.884 915398.334 387.823 PZB6PZ6 2_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted).	MW-10.2	1124488.533	917136.899	424.376	 MWW10 2	Inner PVC Surface Elevation	Modified (i.e. riser height adjusted).
B-6; PZ-8.2 1124886.884 915398.334 387.823 PZB6PZ6 2_ Inner PVC Surface Elevation Modified (i.e. riser height adjusted).	B-6; PZ-8.1	1124887.013	915398.428	387.845	PZB6PZ6 1_	Inner PVC Surface Elevation	Modified (i.e. riser height adjusted).
	B-6; PZ-8.2	1124886.884	915398.334	387.823	PZB6PZ6 2_	Inner PVC Surface Elevation	Modified (i.e. riser height adjusted).

Note: Survey Information Provided by Thew Associates PE-LS, PLLC (Marcy, New York); Survey performed on December 8, 2015.

Subsurface	e Coordinates		s Ground Surface		to Bedrock		Bottom	
Invest.	Easting	Northing	Elevation	Bedrock	Elevation	Explored	Elevatio	
Location	(X - Coord)	(Y-Coord)	(ft)	(ft)	(ft)	(ft)	(ft)	
PREREMEDI	AL INVESTIGA	TION LOCATIO	ONS - Boring /	Inclinometer	/ Monitoring \	Vell		
B-85-02	915636.21	1124251.80	411.0	RNE		102.0	309.0	
CM107	916582.59	1124940.94	424.2	RNE		64.0	360.2	
CM108	916109.86	1125128.09	425.4			66.0	359.4	
CM201	916802 52	1124790.03	428.2	RNE		70.0	358.2	
DW-102	916970.70	1125528.50	410.2	RNE		140.0	270.2	
DW-103	915654.40	1124348.18	424.9	RNE		167.0	257.9	
INC-01	915814.73	1124175.14	425.0	RNE		125.0	300.0	
INC-02	916393.91	1123700.87	425.0	RNE		125.0	300.0	
MS104.1	916854.27	1123850.62	426.8	RNE		82.0	344.8	
MS105.1	916286.68	1123975.96	425.8	RNE		80.0	345.8	
MS106.1	916344.39	1124840.40	426.8	RNE		80.0	346.8	
EB-01C	916200.07	1123627 21	425.0	RNE		66 0	360.5	
EB-04	916524.16	1124326.59	426.0	RNE		85.0	341.0	
EB-05	915869.52	1124664.37	424.5	RNE		67.0	357.5	
EB-06	915496.72	1124910.43	387.4	RNE		40.0	347.4	
EB-07	916685.39	1124582.73	427.9	RNE		87.0	340.9	
EB-08	916887.81	1124935.69	425.2	RNE		63.0	362.2	
EB-09	917202.38	1125388.82	410.0	RNE		71.5	338.5	
EB-10	917296.16	1124396.18	421.9	RNE		72.5	349.4	
EB-11	917641.15	1124509.74	421.9	RNE		30.0	391.9	
000-015	916223.97	1125492.85	388.4			26.0	362.0	
OW-023	916263.34	1125433.01	388.2	RNE		54.0	334.2	
OW-06G	916270.81	1125485.95	388.2	RNE		50.0	338.2	
TW-01	916232.06	1125499.93	388.5	RNE		28.0	360.5	
TW-03G	916248.17	1125485.77	388.5	RNE		<mark>54.</mark> 0	334.5	
REMEDIAL IN	VESTIGATION	LOCATIONS						
Groundwate	r Sampling Lo	cation (Hydro	-punch w/ Geo	oprobe)				
GWS-06	917919.64	1124489.99	365.3	RNE		48.0	317.3	
GVVS-07	91/58/.58	1125121.98	365.3	RNE		56.0	309.3	
GVVS-00	91/13/.33	1126131.09	388.1			52.0	344.1	
GWS-10	916367.25	1125590 13	381.3	RNE		40.0	341.3	
GWS-11	915871.83	1125336.68	391.0	RNE		44.0	347.0	
GWS-12	914884.50	1125173.98	387.4	RNE		48.0	339.4	
GWS-13	915340.76	1124481.31	388.8	RNE		<mark>52.0</mark>	336.8	
GWS-14	915670.25	1124197.42	411.5	RNE		64.0	347.5	
GWS-15	916059.56	1123659.55	376.8	RNE		44.0	332.8	
Groundwate	Monitoring W	Vell	000.0	4.45.0	004.0	475.0	101.0	
MW/03D	917761.35	1124/96.51	366.3	145.0 DNE	221.2	175.0	191.2	
MW-04BR	916260 73	1125515 82	389.0	170.5	218.5	204.0	185.0	
MW-04D	916253.64	1125513.96	388.7	RNE		153.5	235.2	
MW-05D	915308.18	1125359.05	388.2	RNE		137.0	251.2	
MW-11I	915484.03	1124363.97	411.5	RNE		58.0	353.5	
MW-15S	915138.30	1124770.57	388.4	RNE		26.0	362.4	
MW-16D	916806.80	1123918.03	426.1	132.9	293.2	133.0	293.1	
MW-16I	916806.80	1123918.03	426.1	RNE		81.0	345.1	
MW-17D	917074.01	1125302.67	409.2	RNE		185.6	223.6	
MMA24G	916090.99	1125905.75	425.0	RNE	279.0	164.0	230.4	
MW-25G	916554 59	1125125.52	400.2	RNE	-	144.0	279.4	
MW-27G	917402.10	1124662.05	375.9	RNE		64.0	311.9	
MW-30G	915687.40	1125096.64	388.1	RNE		66.0	322.1	
Soil Boring								
SB-11	917600.06	1125052.29	365.1	RNE		60.0	305.1	
SB-12	917450.60	1125662.54	409.0	RNE		100.0	309.0	
SB-13BR	91/490.22	1125925.36	408.2	248.8	159.4	248.9	159.3	
SB-14	916802.77	11260/16 70	387 6			0.01 80.0	311.4	
SB-16PP	916329 /1	1125763 29	366.3	134 F	 231 8	13/17	231 6	
SB-17	916020.67	1125424 43	388.7	RNF		62.0	326.7	
SB-18	915372.46	1125421.18	389.8	RNE		54.0	335.8	
SB-19BR	915093.00	1125470.40	388.8	<mark>136.0</mark>	252.8	136.1	252.7	
SB-20	914640.26	1125287.98	376.8	RNE		54.0	322.8	
SB-21	914843.38	1124880.82	377.8	RNE		44.0	333.8	
SB-22	915210.77	1124471.52	380.7	RNE		34.0	346.7	
SB-23	915479.46	1124205.77	382.1			36.0	346.1	
SB-28NIM	915979.65	1125288 74	390.3	RNE		50.0	340 3	
SB-29NM	916735.79	1125862.79	387.4	RNE		54.0	333 4	
SB-30NM	916426.12	1125287.30	387.4	RNE		50.0	337.4	
SB-31NM	917279.74	1124405.23	<mark>417.0</mark>	RNE		92.0	325.0	
SB-41	917715.36	1124840.95	365.9	RNE		64.0	301.9	
SB-42	917545.98	1125286.46	366.5	RNE		74.0	292.5	
SB-46BR	915662.97	1124190.98	411.5	157.0	254.5	159.2	252.3	
SB-47	915953.00	1124835.00	423.2			/4.0	349.2	
SR-40	917679.00	1124004.00	422.4			84.0	336.8	
SB-128	917242 14	1124536.59	419.5	RNE		4.0	415.5	
SB-129	917831.24	1124641.07	367.1	RNE		12.0	355.1	
SB-130	917407.68	1125985.87	408.6	RNE		10.0	398.6	
SB-131	915368.41	1125051.79	<mark>386.5</mark>	RNE		10.0	376.5	
SB-134	917008.92	1123759.90	426.5	RNE	-	10.0	416.5	
SB-155	915746.45	1124616.68	423.3	RNE		96.0	327.3	
SB-157	915454.10	1124824.36	386.5	RNE		58.0	328.5	
SB-159	915389.33	1125167.36	386.2	RNE		60.0	326.2	
SB-1644	910437.43	1125683.98	364.0			04.0 14.0	300.0	
SB-165	917624 44	1124671 68	368.2	RNF		10.0	358.2	
SB-166	917654.53	1124466.19	372.2	RNE		16.0	356.2	
SB-167	917811.83	1124314.97	370.7	RNE		18.0	352.7	





Appendix iv. C&S Historic Boring Location Plan B-001 and B-002, dated 09/15/14	
1 1 5 <i>i</i>	















700

Feet

MAY 2014 1163.39642

1,400

350

Appendix vii. S&ME Site Plan Crucible Specialty Metals Landfill Site, dated 12/04/2014



FIGURE 3 WELL DECOMMISSIONING RECORD

Site Name: LakeView Amphitheater	Well I.D.:	MW-25G
Site Location: Geddes, New York	Driller:	Jolaan Price
Drilling Co.: Parratt-Wolff, Inc.	Inspector:	
	Date:	6/4/15

DECOMISSIONING I	WELL SCHEMATIC*	
(Fill in all that app	Depth	
	57	(feet)
<u>OVERDRILLING</u>		
Interval Drilled	NA	
Drilling Method(s)	NA	
Borehole Dia. (in.)	NA	grouted in
Temporary Casing Installed? (y/n)	Ν	
Depth temporary casing installed	NA	
Casing type/dia. (in.)	NA	
Method of installing	NA	
-	<u>.</u>	
CASING PULLING		
Method employed	NA	backfill
Casing retrieved (feet)	NA	
Casing type/dia. (in)	NA	
CASING PERFORATING		
Equipment used	NA	
Number of perforations/foot	NA	
Size of perforations	NA	
Interval perforated	NA	
GROUTING		
Interval grouted (FBLS)	0 - 90'	
# of batches prepared	1	
For each batch record:		
Quantity of water used (gal.)	20	
Quantity of cement used (lbs.)	282	75
Cement type	Portland	
Quantity of bentonite used (lbs.)	12	
Quantity of calcium chloride used (lbs.)	0	
Volume of grout prepared (gal.)	30	
Volume of grout used (gal.)	30	
		90.0
COMMENTS:		* Sketch in all relevant decommissioning data, including: interval
No NAPL present		overurmen, interval grouten, casing ien in note, wen stickup, etc.

Drilling Contractor

FIGURE 3 WELL DECOMMISSIONING RECORD

Site Name: LakeView Amphitheater	Well I.D.:	CM108
Site Location: Geddes, New York	Driller:	Jolaan Price
Drilling Co.: Parratt-Wolff, Inc.	Inspector:	
	Date:	10/30/15

DECOMISSIONING DATA		WELL SCHEMATIC*	
(Fill in all that apply)		Depth	
	57	(feet)	
<u>OVERDRILLING</u>			
Interval Drilled	NA		
Drilling Method(s)	NA		
Borehole Dia. (in.)	NA	2-inch PVC	
Temporary Casing Installed? (y/n)	N		
Depth temporary casing installed	NA		
Casing type/dia. (in.)	NA		
Method of installing	NA		
CASING PULLING			
Method employed	cut and pull	backfill	
Casing retrieved (feet)	6.0'		
Casing type/dia. (in)	PVC / 2"		
		2-inch PVC	
CASING PERFORATING		place	
Equipment used	NA		
Number of perforations/foot	NA		
Size of perforations	NA		
Interval perforated	NA		
GROUTING			
Interval grouted (FBLS)	0 - 47'		
# of batches prepared	1		
For each batch record:			
Quantity of water used (gal.)	20		
Quantity of cement used (lbs.)	188	50	
Cement type	Portland		
Quantity of bentonite used (lbs.)	5		
Quantity of calcium chloride used (lbs.)	0		
Volume of grout prepared (gal.)	20		
Volume of grout used (gal.)	13	60	
		~~	
COMMENTS:		* Sketch in all relevant decommissioning data, including: interval overdrilled interval grouted casing left in hole well stickup etc.	
Pulled protective casing and 6.0 feet of 2-inc	h PVC and	overeither, incival grouter, casing fort in note, wen stickup, etc.	

grouted to surface.



Drilling Contractor