



TAILINGS MANAGEMENT PLAN

November 2012

Contents

1.0	Introduction	3
1.1	Tailings Facility Summary	3
2.0	Site Description	3
2.1	History:.....	3
2.2	Geology and Seismicity	4
2.3	Hydrology and Groundwater	4
2.4	Water Quality	8
2.5	General Environmental Conditions:.....	8
2.6	Geochemical Characterization	8
	Tailings Geochemistry	8
	Tailings Impoundment	8

1.0 Introduction

Aurchem Exploration Ltd., is pleased to submit this Tailings Management Plan, Waste Management. Aurchem's Tailings Management Plan is preliminary in nature, as Aurchem does not have chemistry data on its tails. This plan should be considered a draft plan, and will be updated once we have the chemistry results of its tails.

1.1 Tailings Facility Summary

Aurchem Exploration Ltd will operate a small, 50t/day, flotation mill and grinding circuit at its Vic property near Mount Nansen, Carmacks, Yukon. Tailings, or the waste fines, from this flotation process will be disposed on in above ground swimming pools. Tailings will be kept in these pools until the end of the operating season, at which time they will be tested for their chemistry and either disposed of in open trenches and backfilled, or re-processed.

The figure attached, entitled Mill Process diagram, shows the location of the tailings pools in relation to the mill circuit. The tailings ponds are essentially above ground swimming pools, with a capacity of approximately 8200 US gal per pool. Tailings will be deposited in these pool during the operating season (May –September). Specifications for the above ground swimming pools is located in Appendix B.

2.0 Site Description

2.1 History:

The Mount Nansen Property is in the southern portion of the Tintina Gold belt which extends from Donlin Creek in Alaska, through the Fairbanks District, the Pogo Deposit, and across the Yukon border where it incorporate such major producing deposits as the Brewery Creek Mine and Dublin Gulch.

Aurchem has a 100% interest in 389 quartz mineral claims and 7 mineral leases covering approximately 7,543 hectares (18,640 acres) in the Yukon Territories of Canada, 65km west of the town of Carmacks.

Previous exploration of the Vic area was completed by Skyline Exploration in the mid-70's, Kerr Addison (1985-86), and Chesbar Resources (1987-88). Skyline conducted surface sampling, Kerr Addison completed trenching, diamond drilling, float and soil geochem, and a ground magnetic survey. Chesbar followed up on the Kerr Addison drill results with further drilling. Although the results were spotty, the drilling by Kerr Addison / Chesbar in 1986-88 had produced a few good gold intersections that indicated the presence of a highgrade mineralized system.

Aurchem conducted extensive trenching, reverse circulation and diamond drilling on the Vic claims between 2004 and 2006, and specifically the Maverick Zone during the 2004 & 2005 field seasons (29 ddh/2,755m) producing a preliminary ore resource estimate of 23,720 tonnes at 12.63 g/t Au. The high grade nature of the mineralization is evident in such drill intersections as 2.44m @ 48 g/t Au. Trenching in 2006 produced a sample of mineralized float grading 45.4 g/t Au, located on strike, 180m east of the drilled resource.

2.2 Geology and Seismicity

The Mount Nansen property is located in the Dawson range of the Yukon Tanana Terrane underlain by early Mississippian metamorphic rocks and intruded by several plutonic suites. Genetically related sub-volcanic feldspar porphyry dykes and plugs intrude all rock types. The late cretaceous Carmacks volcanic suite is genetically related to the Prospector Mountain Plutonic suite.

Mineralized structures on the Mount Nansen property consist of fault-shear-hosted veins and associated clay rich and bleached alteration zones in felsic hypabyssal rocks. The vein zones range from narrow, simple quartz veins to complex, anastomosing and braided systems or breccia pipe-like structures that crosscut all rock types. The veins and associated felsic dykes or faults trend in a variety of directions and are steeply dipping. The structures are interpreted as a dilational fracture systems peripheral to the middle cretaceous intrusive bodies. There are distinctive mineralogical assemblages associated with the various vein orientations. The most prominent and longest recognized veins are composed of dark grey, very fine grained quartz-sphalerite-galenapyrite- stibnite veins. The quartz-sulfide veins generally trend northwesterly and are closely associated with fine grained buff weathering feldspar porphyry dykes. The veins yield highgrade gold and proportionately higher silver grades. Gold-rich light grey quartz veins trending east-northeasterly contain only incidental fine grained disseminated pyrite. Silver and base metal values are low. Quartz-pyrite rich breccia zones form irregular pipe-like bodies. Central to the Mount Nansen mineral camp is a central porphyry system referred to as the Mount Nansen Porphyry complex. The complex is exposed within an uplifted block or an erosional remnant that resulted from post depositional faulting. The faulting has produced an apparent northwest trend for the mineralization referred to as the Mount Nansen Trend. A large area of copper-molybdenum porphyry style mineralization occurs with the Mount Nansen Porphyry complex.

2.3 Hydrology and Groundwater

There are no groundwater wells on site or near the property. In July 2012, flow measurements were calculated for both Iron Creek and Klaza. Results are included below:

A. Water Quality Sampling and Flow Measurements

On July 1, 2012, Jillian Chown, Project Manager of Aurchem Explorations Ltd., conducted water quality sampling and flow measurement on site at the Aurchem Vic property. Below is a summary of the sampling event:

1. **Sampling Site: Iron Creek up 08 0386414 6893774**

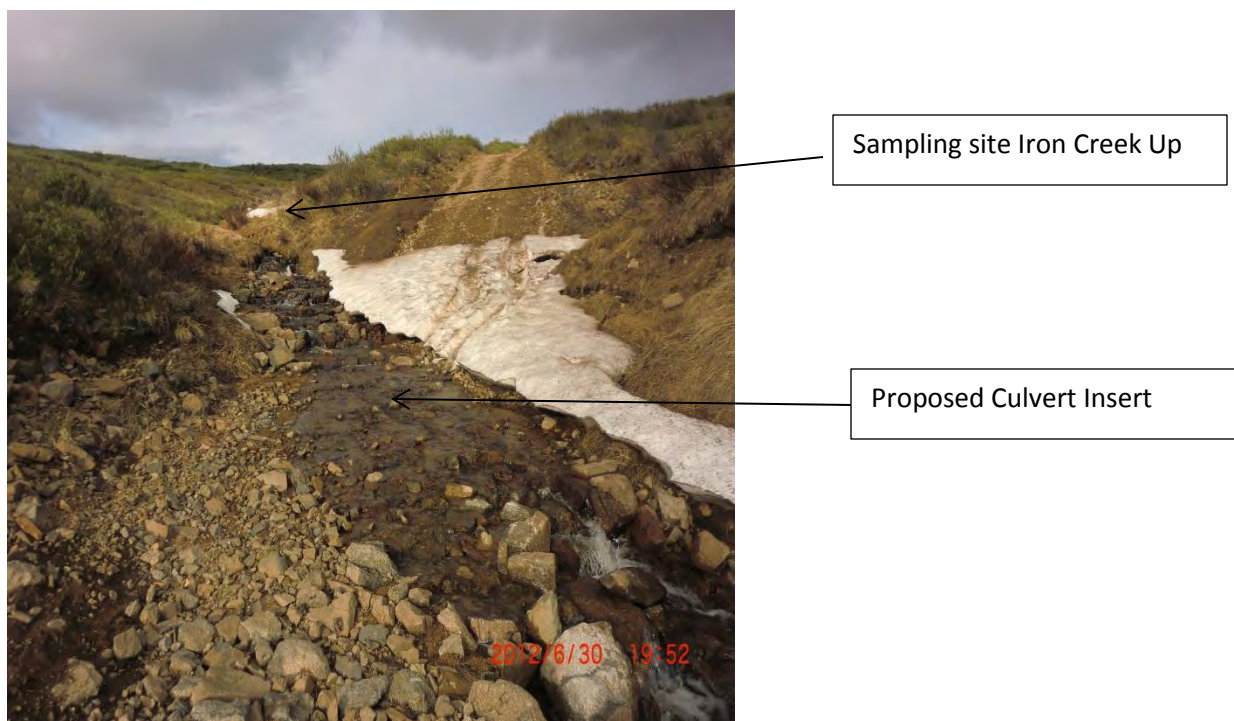


Iron Creek Up is downstream of the project. It is located at the creek crossing approximately 2 km downstream of the site.

Temp- 3.7 C
TDS- 9 ppm
pH- 7.78
Conductivity – 8 uS
Flow rate- 0.02 m ³ /s or 20L/s

A culvert should be installed just down from sampling site to provide better access to site, and prevent vehicles from driving through creek. A culvert would also allow for more erosion protection on the road.

Water Quality samples were collected and were analyzed for Total Metals, Dissolved Metals, WAD Cyanide, Total Suspended Solids, Total Organic Carbon, and General Chemistry and Nutrients . Flow measurements were taken as well. Water quality results are appended.



2. Iron Creek (a)- this sampling site is located on Iron Creek approximately 300 m downstream of the Overburden Dump. 08 0387332 6893205

Water quality samples were collected and analyzed for Total Metals, Dissolved Metals, WAD Cyanide, Total Suspended Solids, Total Organic Carbon, and General Chemistry and Nutrients . Flow measurements were not taken at this site. Water quality results are appended.

Temp- 4.3 C
TDS- 13 ppm
pH- 7.3
Conductivity – 27 uS

3. Iron Creek (b)- 08 0383927 6892983

This sampling station is approximately 2 km downstream of Iron Creek Up. Wetted banks for this station were at 1.4 m and .14m, making the channel approximately 1.5 metres wide. Creek is very shallow and was difficult to get a cross sectional area of the creek due to the amount of rocks and boulders.

Temp- 9.0 C
TDS- 3 ppm
pH- 7.34
Conductivity – 7 uS
Flow- .01 m ³ /s or 10L/s

Water Quality samples were collected and analyzed for Total Metals, Dissolved Metals, WAD Cyanide, Total Suspended Solids, Total Organic Carbon, and General Chemistry and Nutrients . Flow measurements were taken as well. Water quality results are appended.

4. Klaza- 08 0384095 6890725



Sampling Site

Temp- 5.4 C
TDS- 20 ppm
pH- 7.69
Conductivity – 34 uS
Flow- .26m ³ /s or 260 l/s

Klaza is located near previous camp site area. Klaza creek crossing should have a culvert installed as well.

Water Quality samples were collected and analyzed for Total Metals, Dissolved Metals, WAD Cyanide, Total Suspended Solids, Total Organic Carbon, and General Chemistry and Nutrients . Flow measurements were taken as well. Water quality results are appended.

2.4 Water Quality

In July 2012, water quality samples were collected and analyzed for Total Metals, Dissolved Metals, WAD Cyanide, Total Suspended Solids, Total Organic Carbon, and General Chemistry and Nutrients. Results are included in Appendix A.

There are no groundwater wells on site, therefore there is no groundwater quality data.

To date, there has been no mine production work on site, and water quality samples collected have been for baseline purposes. Aurchem will continue collecting baseline water quality samples, with the next sampling event in May 2013. Currently, there is not enough baseline water quality data to identify trends or make any significant comparisons.

2.5 General Environmental Conditions:

The project is located above tree line in the Mount Nansen area, near Carmacks, Yukon. The area is comprised primarily of exposed rock and willows and small low lying bush. There are two water bodies located close the project area, they are Iron creek and the Klaza Creek. Moose and grizzly bears have been spotted at the project location, but sporadically and in small numbers.

2.6 Geochemical Characterization

Tailings Geochemistry

Aurchem does not have any geochemical data on its tailings. Because this is a pilot plant project, Aurchem plans to send its tailings out for analysis. Results will be forwarded to Yukon Government once received from the lab.

Tailings Impoundment

Aurchem will be using 3 above ground swimming pools to store tailings from its milling process. Each pool has a capacity of approximately 8200 US gal. Tailings will be deposited into these pools. There is enough capacity in these pools to contain tailings for one season of milling. Once the operating season ends, tailings will be tested chemically for disposal back into the open trenches on site, should results indicate they are benign. Tailings will only be disposed of at the end of the operating season. If they do not meet discharge limits, they will be reprocessed.

1.1. Tailings Facility Water Balance

Attached to this report is a Conceptual Flow Sheet of the Aurchem mill process, which includes a water balance.

Appendix A Surface Water Quality Results

Maxxam Job #: B257183
Report Date: 2012/07/11

AURCHEM EXPLORATIONS LTD.
Client Project #:
Site Location:
Sampler Initials:

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		DV7216	DV7217		DV7218		DV7219		
Sampling Date		7/1/2012	7/1/2012		7/1/2012		7/1/2012		
COC Number		28013401	28013401		28013401		28013401		
	UNITS	KLAZA	IRON CREEK (A)	QC Batch	IRON CREEK (B)	QC Batch	IRON CREEK UP	RDL	QC Batch
Misc. Inorganics									
Fluoride (F)	mg/L	0.027	0.037	5980823	0.024	5980823	0.023	0.010	5980823
ANIONS									
Nitrite (N)	mg/L	<0.0050 (1)	<0.0050 (1)	5976843	<0.0050 (1)	5980475	<0.0050 (1)	0.0050	5976843
Calculated Parameters									
Filter and HNO3 Preservation	N/A	FIELD	FIELD	ONSITE	FIELD	ONSITE	FIELD	N/A	ONSITE
Nitrate (N)	mg/L	0.099	0.808	5970637	<0.020	5970637	0.102	0.020	5970637
Misc. Inorganics									
Weak Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00062	5991430	0.00085	5991430	0.00100	#####	5991430
Alkalinity (Total as CaCO3)	mg/L	24.8	13.7	5976044	6.32	5980847	5.91	0.50	5976044
Total Organic Carbon (C)	mg/L	2.60	3.96	5978787	6.01	5978787	7.26	0.50	5978787
Alkalinity (PP as CaCO3)	mg/L	<0.50	<0.50	5976044	<0.50	5980847	<0.50	0.50	5976044
Bicarbonate (HCO3)	mg/L	30.3	16.7	5976044	7.71	5980847	7.21	0.50	5976044
Carbonate (CO3)	mg/L	<0.50	<0.50	5976044	<0.50	5980847	<0.50	0.50	5976044
Hydroxide (OH)	mg/L	<0.50	<0.50	5976044	<0.50	5980847	<0.50	0.50	5976044
Anions									
Dissolved Sulphate (SO4)	mg/L	<0.50	0.76	5974849	<0.50	5978701	<0.50	0.50	5974849
Dissolved Chloride (Cl)	mg/L	<0.50	<0.50	5974802	<0.50	5978606	<0.50	0.50	5974802
Nutrients									
Ammonia (N)	mg/L	<0.0050	0.017	5974224	0.0063	5974224	0.034	0.0050	5974224
Nitrate plus Nitrite (N)	mg/L	0.099 (1)	0.808 (1)	5976841	<0.020 (1)	5980464	0.102 (1)	0.020	5976841
Physical Properties									
Conductivity	uS/cm	48.8	39.1	5976049	16.3	5980851	17.8	1.0	5976049
pH	pH Units	7.48	7.14	5976055	7.09	5980852	6.89		5976055
Physical Properties									
Total Suspended Solids	mg/L	<1.0	33.3	5976681	<1.0	5976681	<1.0	1.0	5976681
Total Dissolved Solids	mg/L	26	28	5978389	12	5978389	<10	10	5978389

RDL = Reportable Detection Limit

EDL = Estimated Detection Limit

(1) Sample analysed past recommended hold time.

Maxxam Job #: B257183
Report Date: 2012/07/11

AURCHEM EXPLORATIONS LTD.
Client Project #:
Site Location:
Sampler Initials:

LOW LEVEL DISSOLVED METALS IN WATER (WATER)

Maxxam ID		DV7216	DV7217		DV7218		DV7219		
Sampling Date		7/1/2012	7/1/2012		7/1/2012		7/1/2012		
COC Number		28013401	28013401		28013401		28013401		
	UNITS	KLAZA	IRON CREEK (A)	QC Batch	IRON CREEK (B)	QC Batch	IRON CREEK UP	RDL	QC Batch
Misc. Inorganics									
Dissolved Hardness (CaCO3)	mg/L	22.2	15.3	5970636	6.44	5970636	7.00	0.50	5970636
Dissolved Metals by ICPMS									
Dissolved Aluminum (Al)	ug/L	26.2	22.0	5982874	110	5982874	82.0	0.20	5982874
Dissolved Antimony (Sb)	ug/L	0.081	0.141	5982874	0.044	5982874	0.034	0.020	5982874
Dissolved Arsenic (As)	ug/L	0.088	0.217	5982874	0.130	5982874	0.118	0.020	5982874
Dissolved Barium (Ba)	ug/L	22.7	13.7	5982874	9.90	5982874	9.75	0.020	5982874
Dissolved Beryllium (Be)	ug/L	<0.010	<0.010	5982874	<0.010	5982874	<0.010	0.010	5982874
Dissolved Bismuth (Bi)	ug/L	<0.0050	<0.0050	5982874	<0.0050	5982874	<0.0050	#####	5982874
Dissolved Boron (B)	ug/L	<50	<50	5982874	<50	5982874	<50	50	5982874
Dissolved Cadmium (Cd)	ug/L	0.0068	0.0125	5982874	0.0100	5982874	0.0083	#####	5982874
Dissolved Chromium (Cr)	ug/L	<0.10	<0.10	5982874	0.13	5982874	0.12	0.10	5982874
Dissolved Cobalt (Co)	ug/L	0.0117	0.162	5982874	0.0210	5982874	0.0254	#####	5982874
Dissolved Copper (Cu)	ug/L	0.449	1.17	5982874	0.170	5991969	1.00	0.050	5982874
Dissolved Iron (Fe)	ug/L	5.9	94.9	5982874	29.2	5982874	66.3	1.0	5982874
Dissolved Lead (Pb)	ug/L	0.0165	0.0315	5982874	0.0339	5982874	0.0202	#####	5982874
Dissolved Lithium (Li)	ug/L	<0.50	<0.50	5982874	<0.50	5982874	<0.50	0.50	5982874
Dissolved Manganese (Mn)	ug/L	0.112	54.5	5982874	0.613	5982874	1.16	0.050	5982874
Dissolved Molybdenum (Mo)	ug/L	0.065	0.064	5982874	<0.050	5982874	<0.050	0.050	5982874
Dissolved Nickel (Ni)	ug/L	0.087	0.257	5982874	0.316	5982874	0.352	0.020	5982874
Dissolved Selenium (Se)	ug/L	<0.040	<0.040	5982874	<0.040	5982874	<0.040	0.040	5982874
Dissolved Silicon (Si)	ug/L	3870	2440	5982874	3420	5982874	3320	100	5982874
Dissolved Silver (Ag)	ug/L	<0.0050	<0.0050	5982874	<0.0050	5982874	<0.0050	#####	5982874
Dissolved Strontium (Sr)	ug/L	50.8	30.7	5982874	14.4	5982874	16.1	0.050	5982874
Dissolved Thallium (Tl)	ug/L	<0.0020	<0.0020	5982874	<0.0020	5982874	<0.0020	#####	5982874
Dissolved Tin (Sn)	ug/L	<0.20	<0.20	5982874	<0.20	5982874	<0.20	0.20	5982874
Dissolved Titanium (Ti)	ug/L	<0.50	<0.50	5982874	<0.50	5982874	<0.50	0.50	5982874
Dissolved Uranium (U)	ug/L	0.0537	0.0182	5982874	0.0110	5982874	0.0050	#####	5982874

Dissolved Vanadium (V)	ug/L	<0.20	<0.20	5982874	<0.20	5982874	<0.20	0.20	5982874
Dissolved Zinc (Zn)	ug/L	0.52	0.92	5982874	0.51	5991969	1.13	0.10	5991969
Dissolved Zirconium (Zr)	ug/L	<0.10	0.12	5982874	0.14	5982874	0.11	0.10	5982874
Dissolved Calcium (Ca)	mg/L	6.65	4.74	5973036	2.01	5973036	2.13	0.050	5973036
Dissolved Magnesium (Mg)	mg/L	1.35	0.832	5973036	0.346	5973036	0.410	0.050	5973036
Dissolved Potassium (K)	mg/L	0.258	0.196	5973036	0.269	5973036	0.113	0.050	5973036
Dissolved Sodium (Na)	mg/L	0.970	1.49	5973036	0.898	5973036	0.997	0.050	5973036
Dissolved Sulphur (S)	mg/L	<10	<10	5973036	<10	5973036	<10	10	5973036

RDL = Reportable Detection Limit

EDL = Estimated Detection Limit

Maxxam Job #: B257183
Report Date: 2012/07/11

AURCHEM EXPLORATIONS LTD.
Client Project #:
Site Location:
Sampler Initials:

LOW LEVEL TOTAL METALS IN WATER (WATER)

Maxxam ID		DV7216	DV7217	DV7218	DV7219		
Sampling Date		7/1/2012	7/1/2012	7/1/2012	7/1/2012		
COC Number		28013401	28013401	28013401	28013401		
	UNITS	KLAZA	IRON CREEK (A)	IRON CREEK (B)	IRON CREEK UP	RDL	QC Batch
Calculated Parameters							
Total Hardness (CaCO3)	mg/L	22.7	15.3	6.44	7.13	0.50	5970635
Total Metals by ICPMS							
Total Aluminum (Al)	ug/L	27.6	87.2	120	94.6	0.20	5982879
Total Antimony (Sb)	ug/L	0.062	0.142	0.040	0.030	0.020	5982879
Total Arsenic (As)	ug/L	0.107	0.257	0.117	0.167	0.020	5982879
Total Barium (Ba)	ug/L	23.4	15.9	10.4	10.3	0.020	5982879
Total Beryllium (Be)	ug/L	<0.010	0.014	<0.010	<0.010	0.010	5982879
Total Bismuth (Bi)	ug/L	<0.0050	<0.0050	<0.0050	<0.0050	#####	5982879
Total Boron (B)	ug/L	<50	<50	<50	<50	50	5982879
Total Cadmium (Cd)	ug/L	0.0060	0.0127	0.0113	0.0075	#####	5982879
Total Chromium (Cr)	ug/L	<0.10	0.17	0.14	0.11	0.10	5982879
Total Cobalt (Co)	ug/L	0.0138	0.204	0.0297	0.0393	#####	5982879
Total Copper (Cu)	ug/L	0.391	1.21	0.929	0.830	0.050	5982879
Total Iron (Fe)	ug/L	6.6	218	33.3	98.1	1.0	5982879
Total Lead (Pb)	ug/L	0.0056	0.141	0.0345	0.0209	#####	5982879
Total Lithium (Li)	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	5982879
Total Manganese (Mn)	ug/L	0.173	57.8	0.966	3.87	0.050	5982879
Total Molybdenum (Mo)	ug/L	0.062	0.059	<0.050	<0.050	0.050	5982879
Total Nickel (Ni)	ug/L	0.069	0.305	0.411	0.334	0.020	5982879
Total Selenium (Se)	ug/L	<0.040	<0.040	<0.040	<0.040	0.040	5982879
Total Silicon (Si)	ug/L	3890	2590	3360	3380	100	5982879
Total Silver (Ag)	ug/L	<0.0050	0.0067	<0.0050	<0.0050	#####	5982879
Total Strontium (Sr)	ug/L	52.8	31.5	14.8	16.5	0.050	5982879
Total Thallium (Tl)	ug/L	<0.0020	<0.0020	<0.0020	<0.0020	#####	5982879
Total Tin (Sn)	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	5982879
Total Titanium (Ti)	ug/L	<0.50	1.74	<0.50	0.60	0.50	5982879
Total Uranium (U)	ug/L	0.0622	0.0294	0.0122	0.0071	#####	5982879

Total Vanadium (V)	ug/L	<0.20	0.38	<0.20	<0.20	0.20	5982879
Total Zinc (Zn)	ug/L	0.47	0.80	1.48	1.09	0.10	5982879
Total Zirconium (Zr)	ug/L	<0.10	0.14	0.14	0.12	0.10	5982879
Total Calcium (Ca)	mg/L	6.74	4.77	2.00	2.17	0.050	5973037
Total Magnesium (Mg)	mg/L	1.43	0.833	0.353	0.414	0.050	5973037
Total Potassium (K)	mg/L	0.264	0.183	0.223	0.100	0.050	5973037
Total Sodium (Na)	mg/L	1.01	1.48	0.857	0.988	0.050	5973037
Total Sulphur (S)	mg/L	<10	<10	<10	<10	10	5973037

RDL = Reportable Detection Limit

EDL = Estimated Detection Limit

General Comments

Sample DV7216-01: The BC-MOE and APHA Standard Method require pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the BC-MOE/APHA Standard Method holding time.

Sample DV7217-01: The BC-MOE and APHA Standard Method require pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the BC-MOE/APHA Standard Method holding time.

Sample DV7218-01: The BC-MOE and APHA Standard Method require pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the BC-MOE/APHA Standard Method holding time.

Sample DV7219-01: The BC-MOE and APHA Standard Method require pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the BC-MOE/APHA Standard Method holding time.

Sample DV7218, Elements by ICPMS Low Level (dissolved): Test repeated.

Sample DV7219, Elements by ICPMS Low Level (dissolved): Test repeated.

AURCHEM EXPLORATIONS LTD.

Attention: Jillian Chown

Client Project #:

P.O. #:

Site Location:

Quality Assurance Report

Maxxam Job Number: VB257183

QA/QC Batch	Num	Init	QC Type	Date Analyzed Parameter	Value	Recovery	UNITS	QC Limits
	5974224	CK	Matrix Spike	Ammonia (N)	7/5/2012		83 %	80 - 120
			Spiked Blank	Ammonia (N)	7/5/2012		101 %	80 - 120
			Method Blank	Ammonia (N)	7/5/2012	0.0054 RDL=0.0050	mg/L	
			RPD	Ammonia (N)	7/5/2012	NC	%	20
	5974802	AD5	Matrix Spike	Dissolved Chloride (Cl)	7/5/2012		94 %	80 - 120
			Spiked Blank	Dissolved Chloride (Cl)	7/5/2012		101 %	80 - 120
			Method Blank	Dissolved Chloride (Cl)	7/5/2012	<0.50	mg/L	
			RPD	Dissolved Chloride (Cl)	7/5/2012	NC	%	20
	5974849	AD5	Matrix Spike	Dissolved Sulphate (SO4)	7/5/2012	NC	%	80 - 120
			Spiked Blank	Dissolved Sulphate (SO4)	7/5/2012		99 %	80 - 120
			Method Blank	Dissolved Sulphate (SO4)	7/5/2012	<0.50	mg/L	
			RPD	Dissolved Sulphate (SO4)	7/5/2012	NC	%	20
	5976044	AH5	Matrix Spike	Alkalinity (Total as CaCO3)	7/5/2012	NC	%	80 - 120
			Spiked Blank	Alkalinity (Total as CaCO3)	7/5/2012		95 %	80 - 120
			Method Blank	Alkalinity (Total as CaCO3)	7/5/2012	<0.50	mg/L	
				Alkalinity (PP as CaCO3)	7/5/2012	<0.50	mg/L	
				Bicarbonate (HCO3)	7/5/2012	<0.50	mg/L	
				Carbonate (CO3)	7/5/2012	<0.50	mg/L	
				Hydroxide (OH)	7/5/2012	<0.50	mg/L	
			RPD	Alkalinity (Total as CaCO3)	7/5/2012	1.8	%	20
				Alkalinity (PP as CaCO3)	7/5/2012	NC	%	20
				Bicarbonate (HCO3)	7/5/2012	1.8	%	20
				Carbonate (CO3)	7/5/2012	NC	%	20
				Hydroxide (OH)	7/5/2012	NC	%	20

5976049	AH5	Spiked Blank	Conductivity	7/5/2012		99 %	80 - 120
		Method Blank	Conductivity	7/5/2012	<1.0	uS/cm	
		RPD	Conductivity	7/5/2012	0	%	20
5976681	PC4	Spiked Blank	Total Suspended Solids	7/6/2012		103 %	80 - 120
		Method Blank	Total Suspended Solids	7/6/2012	<1.0	mg/L	
5976841	DC6	Matrix Spike	Nitrate plus Nitrite (N)	7/5/2012	NC	%	80 - 120
		Spiked Blank	Nitrate plus Nitrite (N)	7/5/2012		106 %	80 - 120
		Method Blank	Nitrate plus Nitrite (N)	7/5/2012	<0.020	mg/L	
		RPD	Nitrate plus Nitrite (N)	7/5/2012	NC	%	25
5976843	DC6	Matrix Spike	Nitrite (N)	7/5/2012		96 %	80 - 120
		Spiked Blank	Nitrite (N)	7/5/2012		100 %	80 - 120
		Method Blank	Nitrite (N)	7/5/2012	<0.0050	mg/L	
		RPD	Nitrite (N)	7/5/2012	NC	%	20
5978389	PC4	Matrix Spike	Total Dissolved Solids	7/9/2012	NC	%	80 - 120
		Spiked Blank	Total Dissolved Solids	7/9/2012		94 %	80 - 120
		Method Blank	Total Dissolved Solids	7/9/2012	<10	mg/L	
		RPD	Total Dissolved Solids	7/9/2012	5.9	%	20
5978606	BB3	Matrix Spike	Dissolved Chloride (Cl)	7/6/2012		95 %	80 - 120
		Spiked Blank	Dissolved Chloride (Cl)	7/6/2012		104 %	80 - 120
		Method Blank	Dissolved Chloride (Cl)	7/6/2012	<0.50	mg/L	
		RPD	Dissolved Chloride (Cl)	7/6/2012	NC	%	20
5978701	BB3	Matrix Spike	Dissolved Sulphate (SO4)	7/6/2012	NC	%	80 - 120
		Spiked Blank	Dissolved Sulphate (SO4)	7/6/2012		100 %	80 - 120
		Method Blank	Dissolved Sulphate (SO4)	7/6/2012	<0.50	mg/L	
		RPD	Dissolved Sulphate (SO4)	7/6/2012	0.6	%	20
5978787	IC4	Matrix Spike	Total Organic Carbon (C)	7/6/2012		108 %	80 - 120
		Spiked Blank	Total Organic Carbon (C)	7/6/2012		109 %	80 - 120
		Method Blank	Total Organic Carbon (C)	7/6/2012	<0.50	mg/L	
		RPD	Total Organic Carbon (C)	7/6/2012	NC	%	20
5980464	DC6	Matrix Spike	Nitrate plus Nitrite (N)	7/6/2012	NC	%	80 - 120
		Spiked Blank	Nitrate plus Nitrite (N)	7/6/2012		106 %	80 - 120
		Method Blank	Nitrate plus Nitrite (N)	7/6/2012	<0.020	mg/L	
		RPD	Nitrate plus Nitrite (N)	7/6/2012	NC	%	25
5980475	DC6	Matrix Spike	Nitrite (N)	7/6/2012		100 %	80 - 120
		Spiked Blank	Nitrite (N)	7/6/2012		103 %	80 - 120
		Method Blank	Nitrite (N)	7/6/2012	<0.0050	mg/L	
		RPD	Nitrite (N)	7/6/2012	NC	%	20

5980823	EFA	Matrix Spike	Fluoride (F)	7/6/2012	NC	%	80 - 120
		Spiked Blank	Fluoride (F)	7/6/2012		100 %	80 - 120
		Method Blank	Fluoride (F)	7/6/2012	0.01 RDL=0.010	mg/L	
		RPD	Fluoride (F)	7/6/2012	NC	%	20
		RPD	Fluoride (F)	7/6/2012	NC	%	20
5980847	AH5	Matrix Spike	Alkalinity (Total as CaCO3)	7/6/2012	NC	%	80 - 120
		Spiked Blank	Alkalinity (Total as CaCO3)	7/6/2012		97 %	80 - 120
		Method Blank	Alkalinity (Total as CaCO3)	7/6/2012	<0.50	mg/L	
			Alkalinity (PP as CaCO3)	7/6/2012	<0.50	mg/L	
			Bicarbonate (HCO3)	7/6/2012	<0.50	mg/L	
			Carbonate (CO3)	7/6/2012	<0.50	mg/L	
			Hydroxide (OH)	7/6/2012	<0.50	mg/L	
			RPD	Alkalinity (Total as CaCO3)	7/6/2012	1.9 %	20
				Alkalinity (PP as CaCO3)	7/6/2012	NC %	20
				Bicarbonate (HCO3)	7/6/2012	1.9 %	20
				Carbonate (CO3)	7/6/2012	NC %	20
			Hydroxide (OH)	7/6/2012	NC %		20
5980851	AH5	Spiked Blank	Conductivity	7/6/2012		100 %	80 - 120
		Method Blank	Conductivity	7/6/2012	<1.0	uS/cm	
		RPD	Conductivity	7/6/2012	0.3	%	20
5982874	AA1	Matrix Spike	Dissolved Aluminum (Al)	7/9/2012		104 %	80 - 120
			Dissolved Antimony (Sb)	7/9/2012		105 %	80 - 120
			Dissolved Arsenic (As)	7/9/2012		103 %	80 - 120
			Dissolved Barium (Ba)	7/9/2012		101 %	80 - 120
			Dissolved Beryllium (Be)	7/9/2012		93 %	80 - 120
			Dissolved Bismuth (Bi)	7/9/2012		103 %	80 - 120
			Dissolved Cadmium (Cd)	7/9/2012		100 %	80 - 120
			Dissolved Chromium (Cr)	7/9/2012		98 %	80 - 120
			Dissolved Cobalt (Co)	7/9/2012		95 %	80 - 120
			Dissolved Copper (Cu)	7/9/2012		93 %	80 - 120
			Dissolved Iron (Fe)	7/9/2012		107 %	80 - 120
			Dissolved Lead (Pb)	7/9/2012		100 %	80 - 120
			Dissolved Lithium (Li)	7/9/2012		99 %	80 - 120
			Dissolved Manganese (Mn)	7/9/2012		105 %	80 - 120
			Dissolved Molybdenum (Mo)	7/9/2012		103 %	80 - 120
			Dissolved Nickel (Ni)	7/9/2012		97 %	80 - 120
			Dissolved Selenium (Se)	7/9/2012		106 %	80 - 120

Spiked Blank	Dissolved Silver (Ag)	7/9/2012	103 %	80 - 120
	Dissolved Strontium (Sr)	7/9/2012	100 %	80 - 120
	Dissolved Thallium (Tl)	7/9/2012	103 %	80 - 120
	Dissolved Tin (Sn)	7/9/2012	104 %	80 - 120
	Dissolved Titanium (Ti)	7/9/2012	110 %	80 - 120
	Dissolved Uranium (U)	7/9/2012	89 %	80 - 120
	Dissolved Vanadium (V)	7/9/2012	97 %	80 - 120
	Dissolved Zinc (Zn)	7/9/2012	109 %	80 - 120
	Dissolved Aluminum (Al)	7/9/2012	99 %	80 - 120
	Dissolved Antimony (Sb)	7/9/2012	100 %	80 - 120
	Dissolved Arsenic (As)	7/9/2012	105 %	80 - 120
	Dissolved Barium (Ba)	7/9/2012	100 %	80 - 120
	Dissolved Beryllium (Be)	7/9/2012	91 %	80 - 120
	Dissolved Bismuth (Bi)	7/9/2012	95 %	80 - 120
	Dissolved Cadmium (Cd)	7/9/2012	99 %	80 - 120
	Dissolved Chromium (Cr)	7/9/2012	100 %	80 - 120
	Dissolved Cobalt (Co)	7/9/2012	96 %	80 - 120
	Dissolved Copper (Cu)	7/9/2012	92 %	80 - 120
	Dissolved Iron (Fe)	7/9/2012	108 %	80 - 120
	Dissolved Lead (Pb)	7/9/2012	98 %	80 - 120
	Dissolved Lithium (Li)	7/9/2012	98 %	80 - 120
	Dissolved Manganese (Mn)	7/9/2012	103 %	80 - 120
	Dissolved Molybdenum (Mo)	7/9/2012	97 %	80 - 120
	Dissolved Nickel (Ni)	7/9/2012	96 %	80 - 120
	Dissolved Selenium (Se)	7/9/2012	105 %	80 - 120
	Dissolved Silver (Ag)	7/9/2012	101 %	80 - 120
	Dissolved Strontium (Sr)	7/9/2012	97 %	80 - 120
	Dissolved Thallium (Tl)	7/9/2012	101 %	80 - 120
	Dissolved Tin (Sn)	7/9/2012	97 %	80 - 120
	Dissolved Titanium (Ti)	7/9/2012	104 %	80 - 120
	Dissolved Uranium (U)	7/9/2012	86 %	80 - 120
	Dissolved Vanadium (V)	7/9/2012	99 %	80 - 120
	Dissolved Zinc (Zn)	7/9/2012	119 %	80 - 120
Method Blank	Dissolved Aluminum (Al)	7/9/2012	0.21 RDL=0.20 ug/L	
	Dissolved Antimony (Sb)	7/9/2012	<0.020 ug/L	
	Dissolved Arsenic (As)	7/9/2012	<0.020 ug/L	
	Dissolved Barium (Ba)	7/9/2012	<0.020 ug/L	

RPD	Dissolved Beryllium (Be)	7/9/2012	<0.010	ug/L	
	Dissolved Bismuth (Bi)	7/9/2012	<0.0050	ug/L	
	Dissolved Boron (B)	7/9/2012	<50	ug/L	
	Dissolved Cadmium (Cd)	7/9/2012	<0.0050	ug/L	
	Dissolved Chromium (Cr)	7/9/2012	<0.10	ug/L	
	Dissolved Cobalt (Co)	7/9/2012	<0.0050	ug/L	
	Dissolved Copper (Cu)	7/9/2012	<0.050	ug/L	
	Dissolved Iron (Fe)	7/9/2012	<1.0	ug/L	
	Dissolved Lead (Pb)	7/9/2012	<0.0050	ug/L	
	Dissolved Lithium (Li)	7/9/2012	<0.50	ug/L	
	Dissolved Manganese (Mn)	7/9/2012	<0.050	ug/L	
	Dissolved Molybdenum (Mo)	7/9/2012	<0.050	ug/L	
	Dissolved Nickel (Ni)	7/9/2012	<0.020	ug/L	
	Dissolved Selenium (Se)	7/9/2012	<0.040	ug/L	
	Dissolved Silicon (Si)	7/9/2012	<100	ug/L	
	Dissolved Silver (Ag)	7/9/2012	<0.0050	ug/L	
	Dissolved Strontium (Sr)	7/9/2012	<0.050	ug/L	
	Dissolved Thallium (Tl)	7/9/2012	<0.0020	ug/L	
	Dissolved Tin (Sn)	7/9/2012	<0.20	ug/L	
	Dissolved Titanium (Ti)	7/9/2012	<0.50	ug/L	
	Dissolved Uranium (U)	7/9/2012	<0.0020	ug/L	
	Dissolved Vanadium (V)	7/9/2012	<0.20	ug/L	
	Dissolved Zinc (Zn)	7/9/2012	<0.10	ug/L	
	Dissolved Zirconium (Zr)	7/9/2012	<0.10	ug/L	
	Dissolved Antimony (Sb)	7/9/2012	NC	%	20
	Dissolved Arsenic (As)	7/9/2012	NC	%	20
	Dissolved Barium (Ba)	7/9/2012	NC	%	20
	Dissolved Beryllium (Be)	7/9/2012	NC	%	20
	Dissolved Bismuth (Bi)	7/9/2012	NC	%	20
	Dissolved Boron (B)	7/9/2012	NC	%	20
	Dissolved Cadmium (Cd)	7/9/2012	NC	%	20
	Dissolved Chromium (Cr)	7/9/2012	NC	%	20
	Dissolved Cobalt (Co)	7/9/2012	NC	%	20
	Dissolved Copper (Cu)	7/9/2012	NC	%	20
	Dissolved Iron (Fe)	7/9/2012	NC	%	20
	Dissolved Lead (Pb)	7/9/2012	NC	%	20
	Dissolved Lithium (Li)	7/9/2012	NC	%	20

5982879 AA1 Matrix Spike	Dissolved Manganese (Mn)	7/9/2012 NC	%	20
	Dissolved Molybdenum (Mo)	7/9/2012 NC	%	20
	Dissolved Nickel (Ni)	7/9/2012 NC	%	20
	Dissolved Selenium (Se)	7/9/2012 NC	%	20
	Dissolved Silicon (Si)	7/9/2012 NC	%	20
	Dissolved Silver (Ag)	7/9/2012 NC	%	20
	Dissolved Strontium (Sr)	7/9/2012 NC	%	20
	Dissolved Thallium (Tl)	7/9/2012 NC	%	20
	Dissolved Tin (Sn)	7/9/2012 NC	%	20
	Dissolved Titanium (Ti)	7/9/2012 NC	%	20
	Dissolved Uranium (U)	7/9/2012 NC	%	20
	Dissolved Vanadium (V)	7/9/2012 NC	%	20
	Dissolved Zinc (Zn)	7/9/2012 NC	%	20
	Dissolved Zirconium (Zr)	7/9/2012 NC	%	20
	Total Aluminum (Al)	7/9/2012	99 %	80 - 120
	Total Antimony (Sb)	7/9/2012	99 %	80 - 120
	Total Arsenic (As)	7/9/2012	97 %	80 - 120
	Total Barium (Ba)	7/9/2012	98 %	80 - 120
	Total Beryllium (Be)	7/9/2012	90 %	80 - 120
	Total Bismuth (Bi)	7/9/2012	96 %	80 - 120
	Total Cadmium (Cd)	7/9/2012	96 %	80 - 120
	Total Chromium (Cr)	7/9/2012	93 %	80 - 120
	Total Cobalt (Co)	7/9/2012	91 %	80 - 120
	Total Copper (Cu)	7/9/2012	90 %	80 - 120
	Total Iron (Fe)	7/9/2012	102 %	80 - 120
	Total Lead (Pb)	7/9/2012	97 %	80 - 120
	Total Lithium (Li)	7/9/2012	96 %	80 - 120
	Total Manganese (Mn)	7/9/2012	99 %	80 - 120
	Total Molybdenum (Mo)	7/9/2012	97 %	80 - 120
	Total Nickel (Ni)	7/9/2012	92 %	80 - 120
	Total Selenium (Se)	7/9/2012	104 %	80 - 120
	Total Silver (Ag)	7/9/2012	99 %	80 - 120
	Total Strontium (Sr)	7/9/2012	97 %	80 - 120
	Total Thallium (Tl)	7/9/2012	101 %	80 - 120
	Total Tin (Sn)	7/9/2012	96 %	80 - 120
	Total Titanium (Ti)	7/9/2012	104 %	80 - 120
	Total Uranium (U)	7/9/2012	84 %	80 - 120

Spiked Blank	Total Vanadium (V)	7/9/2012	93 %	80 - 120
	Total Zinc (Zn)	7/9/2012	108 %	80 - 120
	Total Aluminum (Al)	7/9/2012	101 %	80 - 120
	Total Antimony (Sb)	7/9/2012	103 %	80 - 120
	Total Arsenic (As)	7/9/2012	105 %	80 - 120
	Total Barium (Ba)	7/9/2012	102 %	80 - 120
	Total Beryllium (Be)	7/9/2012	93 %	80 - 120
	Total Bismuth (Bi)	7/9/2012	97 %	80 - 120
	Total Cadmium (Cd)	7/9/2012	98 %	80 - 120
	Total Chromium (Cr)	7/9/2012	99 %	80 - 120
	Total Cobalt (Co)	7/9/2012	98 %	80 - 120
	Total Copper (Cu)	7/9/2012	95 %	80 - 120
	Total Iron (Fe)	7/9/2012	106 %	80 - 120
	Total Lead (Pb)	7/9/2012	99 %	80 - 120
	Total Lithium (Li)	7/9/2012	100 %	80 - 120
	Total Manganese (Mn)	7/9/2012	105 %	80 - 120
	Total Molybdenum (Mo)	7/9/2012	100 %	80 - 120
	Total Nickel (Ni)	7/9/2012	101 %	80 - 120
	Total Selenium (Se)	7/9/2012	104 %	80 - 120
	Total Silver (Ag)	7/9/2012	103 %	80 - 120
	Total Strontium (Sr)	7/9/2012	102 %	80 - 120
	Total Thallium (Tl)	7/9/2012	106 %	80 - 120
	Total Tin (Sn)	7/9/2012	101 %	80 - 120
	Total Titanium (Ti)	7/9/2012	108 %	80 - 120
	Total Uranium (U)	7/9/2012	86 %	80 - 120
	Total Vanadium (V)	7/9/2012	99 %	80 - 120
	Total Zinc (Zn)	7/9/2012	113 %	80 - 120
Method Blank	Total Aluminum (Al)	7/9/2012	0.29 RDL=0.20	ug/L
	Total Antimony (Sb)	7/9/2012	<0.020	ug/L
	Total Arsenic (As)	7/9/2012	<0.020	ug/L
	Total Barium (Ba)	7/9/2012	<0.020	ug/L
	Total Beryllium (Be)	7/9/2012	<0.010	ug/L
	Total Bismuth (Bi)	7/9/2012	<0.0050	ug/L
	Total Boron (B)	7/9/2012	<50	ug/L
	Total Cadmium (Cd)	7/9/2012	<0.0050	ug/L
	Total Chromium (Cr)	7/9/2012	<0.10	ug/L
	Total Cobalt (Co)	7/9/2012	<0.0050	ug/L

RPD	Total Copper (Cu)	7/9/2012 <0.050	ug/L	
	Total Iron (Fe)	7/9/2012 <1.0	ug/L	
	Total Lead (Pb)	7/9/2012 <0.0050	ug/L	
	Total Lithium (Li)	7/9/2012 <0.50	ug/L	
	Total Manganese (Mn)	7/9/2012 <0.050	ug/L	
	Total Molybdenum (Mo)	7/9/2012 <0.050	ug/L	
	Total Nickel (Ni)	7/9/2012 <0.020	ug/L	
	Total Selenium (Se)	7/9/2012 <0.040	ug/L	
	Total Silicon (Si)	7/9/2012 <100	ug/L	
	Total Silver (Ag)	7/9/2012 <0.0050	ug/L	
	Total Strontium (Sr)	7/9/2012 <0.050	ug/L	
	Total Thallium (Tl)	7/9/2012 <0.0020	ug/L	
	Total Tin (Sn)	7/9/2012 <0.20	ug/L	
	Total Titanium (Ti)	7/9/2012 <0.50	ug/L	
	Total Uranium (U)	7/9/2012 <0.0020	ug/L	
	Total Vanadium (V)	7/9/2012 <0.20	ug/L	
	Total Zinc (Zn)	7/9/2012 <0.10	ug/L	
	Total Zirconium (Zr)	7/9/2012 <0.10	ug/L	
	Total Aluminum (Al)	7/9/2012 NC	%	20
	Total Antimony (Sb)	7/9/2012 NC	%	20
	Total Arsenic (As)	7/9/2012 NC	%	20
	Total Barium (Ba)	7/9/2012 NC	%	20
	Total Beryllium (Be)	7/9/2012 NC	%	20
	Total Bismuth (Bi)	7/9/2012 NC	%	20
	Total Boron (B)	7/9/2012 NC	%	20
	Total Cadmium (Cd)	7/9/2012 NC	%	20
	Total Chromium (Cr)	7/9/2012 NC	%	20
	Total Cobalt (Co)	7/9/2012 NC	%	20
	Total Copper (Cu)	7/9/2012 NC	%	20
	Total Iron (Fe)	7/9/2012 NC	%	20
	Total Lead (Pb)	7/9/2012 NC	%	20
	Total Lithium (Li)	7/9/2012 NC	%	20
	Total Manganese (Mn)	7/9/2012 NC	%	20
	Total Molybdenum (Mo)	7/9/2012 NC	%	20
	Total Nickel (Ni)	7/9/2012 NC	%	20
	Total Selenium (Se)	7/9/2012 NC	%	20
	Total Silicon (Si)	7/9/2012 NC	%	20

		Total Silver (Ag)	7/9/2012 NC	%	20
		Total Strontium (Sr)	7/9/2012 NC	%	20
		Total Thallium (Tl)	7/9/2012 NC	%	20
		Total Tin (Sn)	7/9/2012 NC	%	20
		Total Titanium (Ti)	7/9/2012 NC	%	20
		Total Uranium (U)	7/9/2012 NC	%	20
		Total Vanadium (V)	7/9/2012 NC	%	20
		Total Zinc (Zn)	7/9/2012 NC	%	20
		Total Zirconium (Zr)	7/9/2012 NC	%	20
5991430	TS1	Matrix Spike	Weak Acid Dissoc. Cyanide (CN)	7/10/2012	101 % 80 - 120
		Spiked Blank	Weak Acid Dissoc. Cyanide (CN)	7/10/2012	99 % 80 - 120
		Method Blank	Weak Acid Dissoc. Cyanide (CN)	7/10/2012 <0.00050	mg/L
		RPD	Weak Acid Dissoc. Cyanide (CN)	7/10/2012 NC	% 20
5991969	AA1	Spiked Blank	Dissolved Copper (Cu)	7/11/2012	92 % 80 - 120
			Dissolved Zinc (Zn)	7/11/2012	107 % 80 - 120
		Method Blank	Dissolved Copper (Cu)	7/11/2012 <0.050	ug/L
			Dissolved Zinc (Zn)	7/11/2012 <0.10	ug/L

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

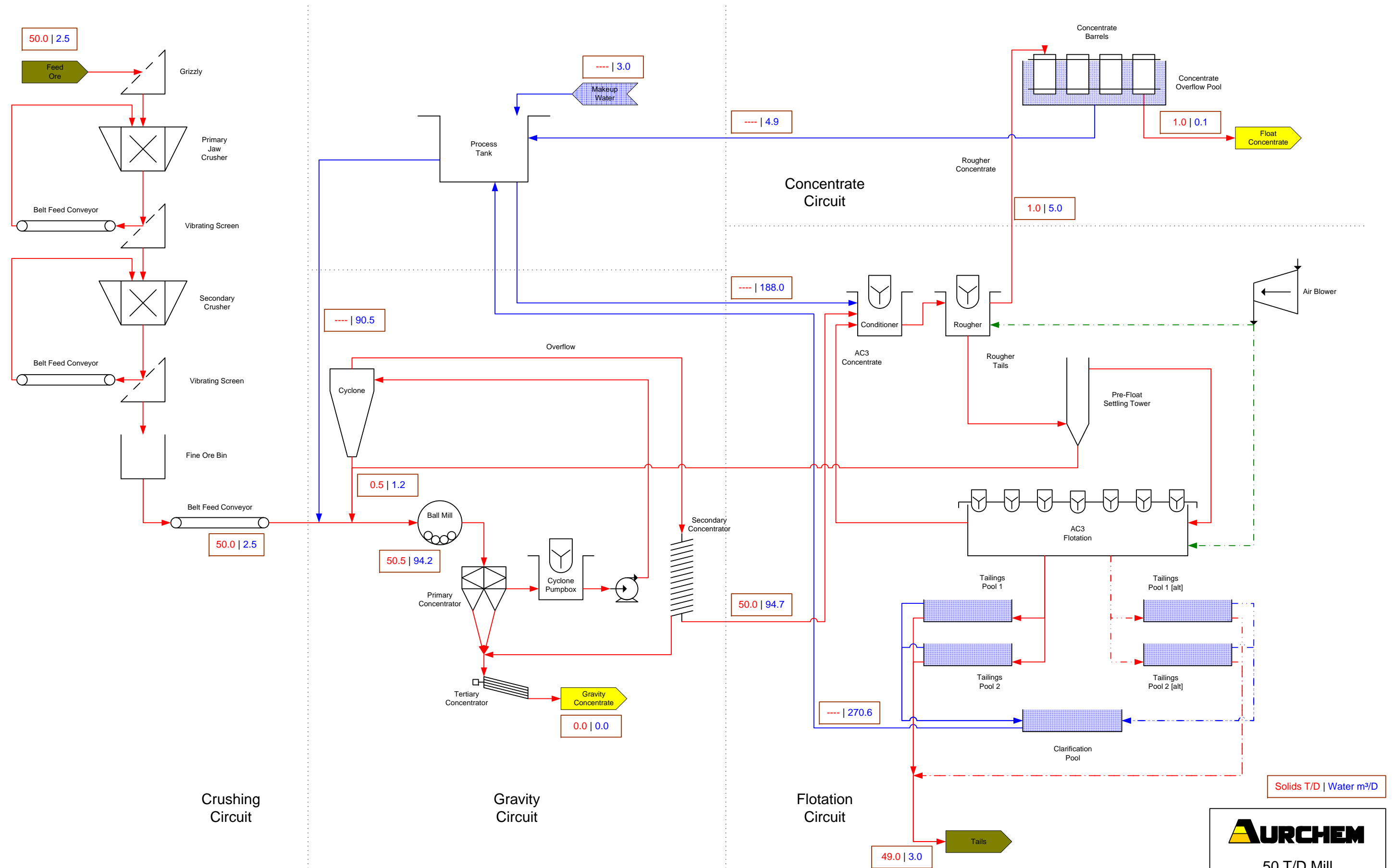
Spiked Blank: A blank matrix to which a known amount of the analyte has been added. Used to evaluate analyte recovery.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was not sufficiently significant to permit a reliable recovery calculation.

NC (RPD): The RPD was not calculated. The level of analyte detected in the parent sample and its duplicate was not sufficiently significant to permit a reliable calculation.

Appendix B Specifications for tailings pools



APPENDIX C SPECIFICATIONS ON ABOVE GROUND POOLS

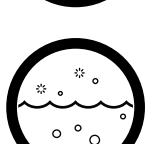
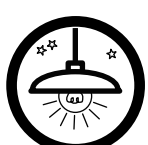
SECTION 1

Pool Component Installation Manual

A All Round Pools
□ Part No. 1920283
rev. 4

General Instructions

⚠ Safety Rules For Pool Owners ⚠



Your pool contains a large quantity of water, and is deep enough to present inherent dangers to life and health unless the following safety rules are strictly observed. First-time users run the highest risk of injury. Make sure everyone understands all safety rules before entering the pool. Post NO DIVING and NO JUMPING signs beside the pool.

For additional safety information please read the enclosed booklet *The Sensible Way To Enjoy Your Aboveground/Onground Swimming Pool*.

1. No Jumping or Diving

The top rail of your pool is not a walkway and must not be used for jumping or diving. Do not permit jumping or diving into the pool from a deck or the top rail of the pool. Diving or jumping into the pool can result in serious injury.

2. Never use the Pool Alone

Never permit the pool to be used unless it is attended by at least one person other than the bather. Someone should always be available to lend assistance in an emergency.

3. Never Leave Children Unattended

Never leave a child alone and unsupervised in or near the pool—not even for a second. There is no substitute for constant adult supervision.

4. No “Rough-housing”

Do not permit “rough-housing” in and around your pool. Surfaces can become slippery and hazardous when wet.

5. Light the Pool at Night

If the pool is used after dusk, adequate lighting must be provided. Illumination in the pool area must be sufficient to clearly judge pool depth and all features in and around the pool. For lighting recommendations, consult your local licensed electrical contractor.

6. Restrict Access to the Pool

Do not leave chairs or other furniture beside the pool that could be used by a child to climb up into the pool. Ladders must be removed whenever the pool is unattended. A fence with a lockable gate around the pool or yard is strongly recommended and may be required by law in some jurisdictions.

7. No Alcohol or Drugs

The use of alcohol or drugs does not mix with pool activities. Persons who have been drinking alcohol or using any drugs should not be allowed in the pool, and should be carefully supervised in the surrounding area.

8. Keep Your Pool Clean and Sanitary

Your filter system will remove suspended particles from the water and the surface skimmer will remove insects, leaves and other debris from the water surface. Use the correct pool chemicals as directed to destroy harmful bacteria and prevent formation of algae. Remember, unsanitary water is a serious health hazard.



A. Introduction to Installing your Pool

Read all instructions completely before you begin.

These instructions explain how to install your pool. Simply follow the step-by-step directions. Start with this part, **SECTION 1** and use the other instructions, **SECTION 2 to 4** to put together your entire pool.

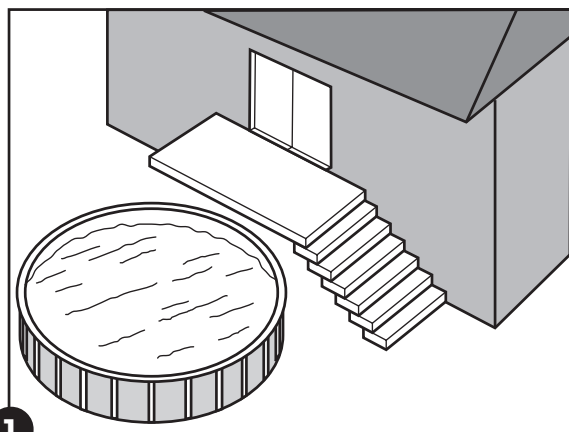
SECTION 1 also has **Safety Rules** and instructions to help you keep your pool clean and in good shape, year after year. Be sure to read the **Safety Rules**, and make sure everyone who uses your pool reads and understands them.

B. Determine a Location for your Pool

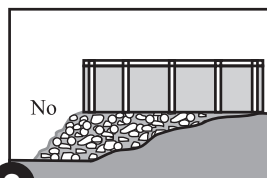
1. The Terrain

Pay special attention to choosing the right location for your pool:

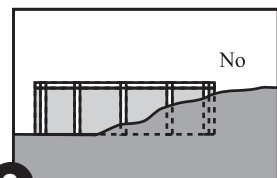
- Choose a large area, as flat and level as possible.
- Choose a spot on dry, firm earth—**do not** install the pool on concrete, asphalt, tar paper, sand, gravel, peat moss, wood or chemically treated soil.
- Check with your pool dealer to see if Nut Grass grows in your area. This type of grass may grow up through your pool liner. Your dealer will be able to advise how best to treat the site.
- Sloped areas will need to be made level by digging away high spots, **not** by filling low spots—be prepared to hire earth-moving equipment if necessary.



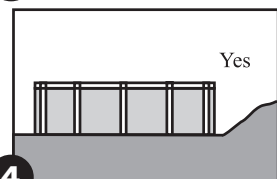
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Important Note:

Ground preparation is one of the most important steps in the installation process. A **proper foundation** will ensure the rest of the pool assembly goes smoothly and that no problems will occur when the pool is filled with water.



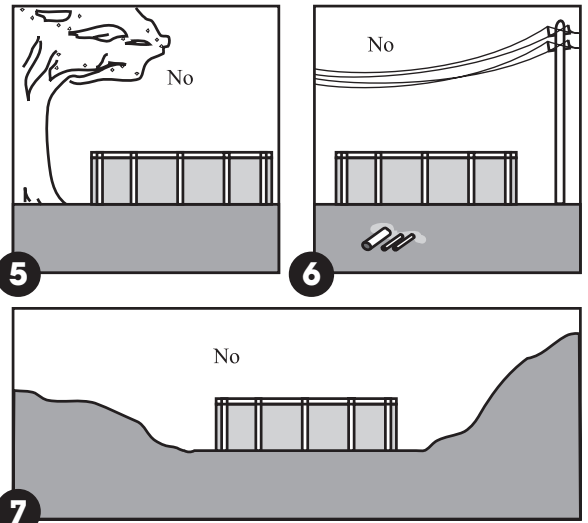
**Important:**

When locating the centre of the pool, **be sure** to take into consideration any structures (deck, patio, house) or relevant items (change rooms, gazebo, etc.) that the pool may need to line up with and ensure that the pool is in the most visual pleasing location for your property.

2. Things to Avoid

Do not locate your pool near or on any of the following:

- Overhanging tree branches.
- Overhead wires and clothes-lines.
- Buried pipes and wires—contact your gas, electric and telephone utilities to find buried pipes and wires **before** you dig.
- Hilly and uneven terrain.
- Areas with poor drainage.
- Grass, stones and roots. Grass will rot underneath the pool liner, and stones and roots will damage the pool liner.
- Areas recently treated with oil-based weed killers, chemicals or fertilizers.



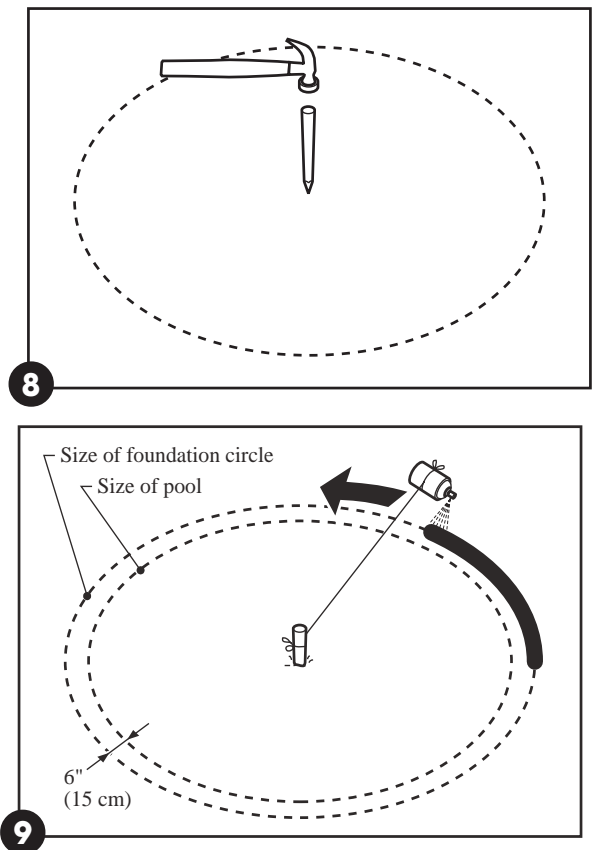
3. Plan Ahead

- Will you be adding an adjacent deck later? Be sure to leave room.
- Will you be using pool accessories or other appliances that need electricity or gas? Locate your pool near these services or plan to have them installed later by a licensed contractor.

C. Prepare the Foundation of your Pool

1. Mark out the Area

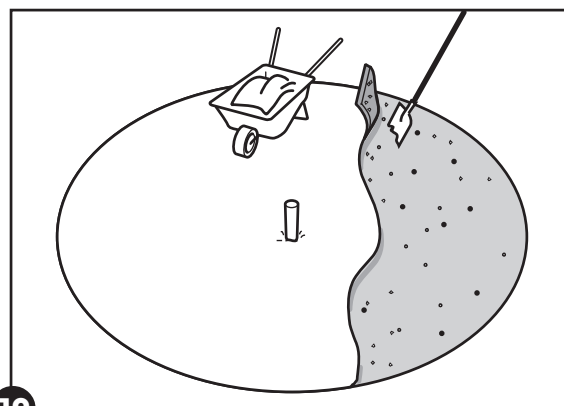
- Drive a peg into the ground at the **centre** of the area where you want your pool.
- Use a length of string tied between the peg and a can of spray paint, and mark a circle on the ground. Choose the length of string you need for your pool from the chart on the next page. The circle will be 6" (15 cm) bigger all round than the pool.



Pool Size	Length of String	Length of 2-by-4
12'	6'-6" (200 cm)	6'-6" (200 cm)
15'	8'-0" (244 cm)	8'-0" (244 cm)
18'	9'-6" (290 cm)	9'-6" (290 cm)
21'	11'-0" (335 cm)	11'-0" (335 cm)
24'	12'-6" (380 cm)	12'-6" (380 cm)
27'	14'-0" (426 cm)	14'-0" (426 cm)

2. Remove the Sod

- Remove all sod and plants from the circle.
- Remove any sticks, stones and roots from the circle.



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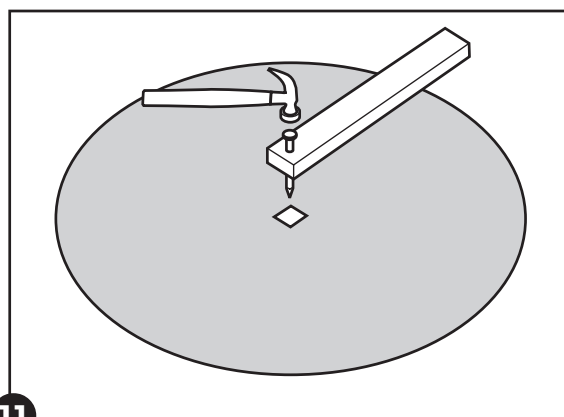


Remember:

Your pool must be perfectly level. Take the time you need to be sure your foundation is perfectly level.

3. Make the Area Flat and Level

- Replace the centre peg with a flat-topped stake, at least 1" (25 mm) square and 6" (15 cm) long. Drive it down flush with the ground surface.
- Nail one end of a **straight** 2-by-4 to the top of the stake. Choose the length of 2-by-4 you need for your pool from the chart above. Use a nail long enough to hold the end of the 2-by-4 to the stake while you rotate it in a circle.



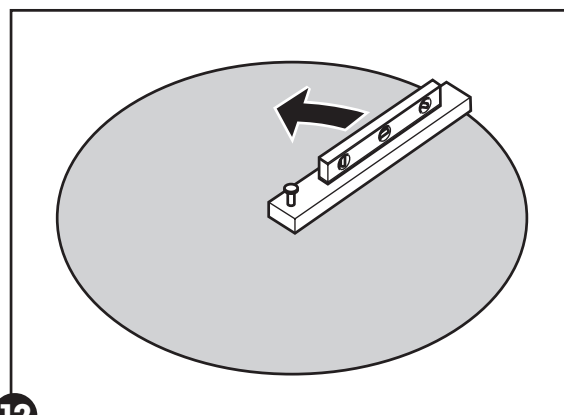
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Hint:

Use a surveyor's transit instead of a carpenter's level, if one is available.

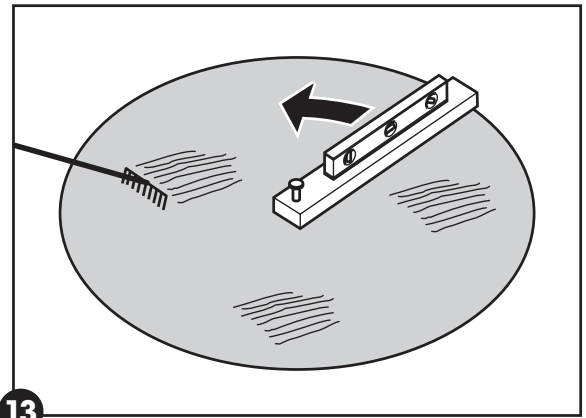
- Put a carpenter's level on the 2-by-4 and swing the board in a circle to find the high and low spots.



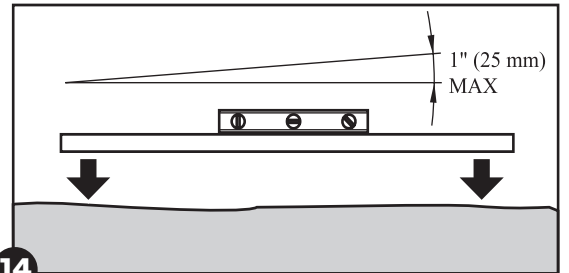
12



- d. Remove all the high spots with a shovel, hoe or rake. Be prepared to hire earth moving equipment if you need to level a large area. Remember, your pool **must** be level within 1" (25 mm) across the diameter of the pool.

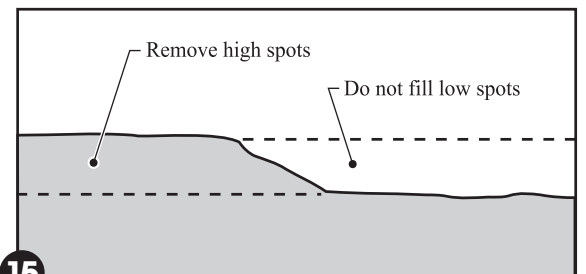


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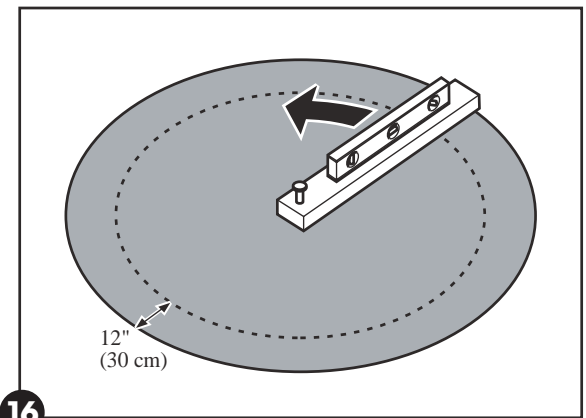
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- e. **Do not** fill in low areas. Filling will create an unsafe foundation for your pool. Small dips and hollows may be filled in, but the soil must be hard-packed with a tamping tool.



15

- f. Recheck the outer 12" (30 cm) of the circle, where the pool wall will be. Make sure there are no high or low spots. The bottom edge of the pool wall **must** rest flat on the ground and have no gaps under it.



16



Remember:

The outer 12" (30 cm) of the circle must be perfectly flat. The bottom edge of the pool **must** rest flat on the ground and have no gaps under it. Take the time you need to be sure this area is perfectly flat and level.

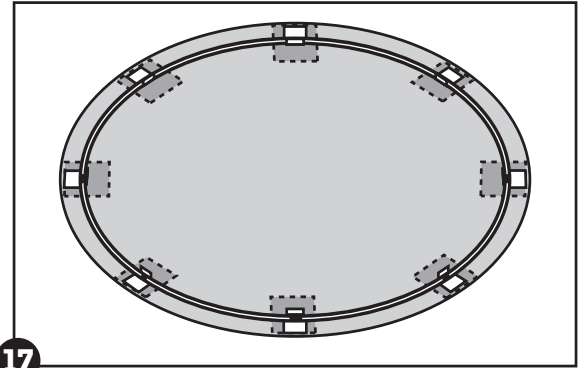
4. Patio Stones (Optional)

- a. Concrete patio stones may be placed at the base of each vertical column of your pool. This is optional, but makes a better foundation for the pool wall. Patio stones 12" (30 cm) or larger will do. Round patio stones will also work. Choose the number of patio stones you need for your pool from the chart on the next page.

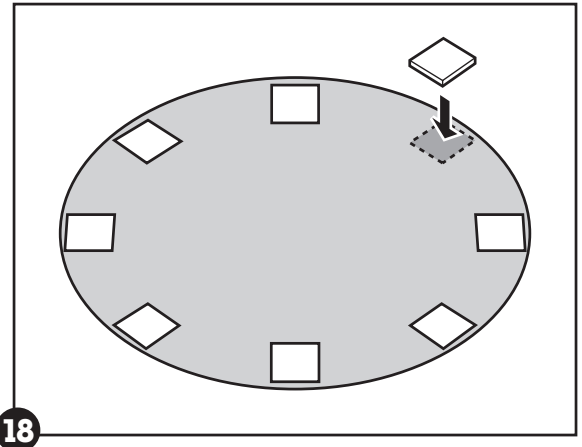


Pool Size	Number of Patio Stones (Optional)
12'	10
15'	10
18'	12
21'	14
24'	16
27'	18

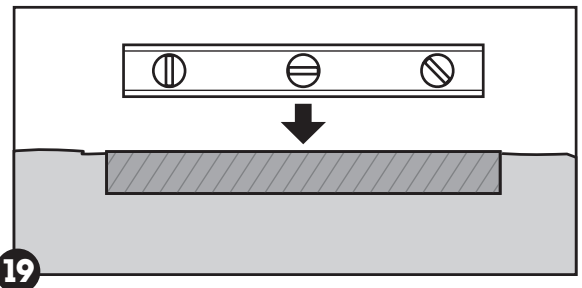
- b. Temporarily lay out the base rails and base plates around the circle. Each base plate will show the location for a patio stone. Make a mark in the ground at each base plate.



- c. Remove the base rails and base plates and lay out the patio stones around the circle where the base plates were.



- d. The patio stones **must** be sunk into the ground so the tops are flush with the soil around them. Use the carpenter's level to make sure the patio stones are perfectly level and flush with the ground. Use the carpenter's level and a 2-by-4 between patio stones to make sure the stones are level with each other.



- e. Remove the centre stake and 2-by-4.

5. Proceed to Section 2

- a. Continue with Section 2 to assemble your pool.
b. The rest of Section 1 contains information you can use after you finish assembling your pool.



D. Maintaining your Pool

After you have finished installing your pool, follow these instructions to keep it clean and in good shape.



Caution:

Chlorine can damage your pool liner and metal parts. Wash any spills right away.



Remember:

Any rusty areas on the pool wall must be repainted quickly with anti-rust paint. A badly rusted pool wall can collapse.

1. The Liner

- a. Check the liner regularly for leaks.
- b. Minor repairs can be made to the liner with a repair kit.

2. Pool Wall and Vertical Columns

- a. Keep the pool wall and vertical columns clean. Wash down every so often with mild soap. **Do not** use abrasives, chemicals or cleansers.
- b. Wash off any spilled pool chemicals right away.
- c. Recoat all showing screw heads with clear outdoor varnish.
- d. Check all metal parts for rust regularly, at least once per season.
- e. Touch up scratches and rusty area on metal parts with matching anti-rust paint. Follow the directions on the paint can.
- f. Every two years, lower the water level in your pool to 12" (30 cm) deep. Remove the top edge of the liner from the pool wall and look for hidden rust on the inside of the pool wall.
- g. Pay special attention to any leaks at the skimmer and return openings. Leaks **must** be fixed immediately.

E. Winterizing your Pool

At the end of the swimming season, you must follow these directions to make your pool ready for the winter.



Caution:

Do not drain all the water from your pool for the winter, and **do not** remove the liner. An empty pool may collapse in the winter.

1. Lower the Water Level

- a. Lower the water level in your pool until it is about 6" (15 cm) below the water return fitting.
- b. Remove all hoses attached to the skimmer and return fittings. **Make sure all water is drained from the skimmer housing, and make sure the hole at the bottom of the skimmer is left UNPLUGGED.**

2. Check all Joints and Screws

- a. Make sure all the frame joints are fitting together well. Make sure the pool wall has not shifted from the bottom rail.
- b. Make sure all screws and bolts are tight.

3. Check for Rust

Paint any scratches or rusty areas with anti-rust paint.

4. Check the Liner

Make sure the top of the liner is still attached to the pool wall with plastic coping. **Do not** remove the liner from the pool. Removal of the liner will void the existing warranty. **Do not** drain all the water from the pool for the winter.

5. Finding Leaks

Make sure the liner has no leaks. Check the liner for leaks and repair any holes with a vinyl patch. Leaks in the winter can cause severe damage to your pool.

Continued next page



6. Pool Accessories

Remove all pool accessories from the pool, including the ladder. Leave the skimmer and filter parts **attached** to the pool wall. Ensure that the skimmer lid is installed **and the opening at the bottom of the skimmer is open so that accumulated water can drain immediately.**

7. The Filter

Disconnect the filter from the pool. Follow the filter directions for winterizing your filter.



Remember:

Failure to install the "pool Winterizing Kit" and follow the winterizing procedures, in accordance with these instructions, may void the pool warranty.

Important Winterizing Notice

All Pools:

The water level must be maintained at least 3" below the skimmer opening throughout the winter. Surplus water must be removed by pumping, draining or siphoning so that it doesn't enter the skimmer during the winter. **Remove all hoses attached to the skimmer and return fittings. The opening at the bottom of the skimmer MUST be kept open so that accumulated water can drain immediately.**

Pools with 12" skimmers:

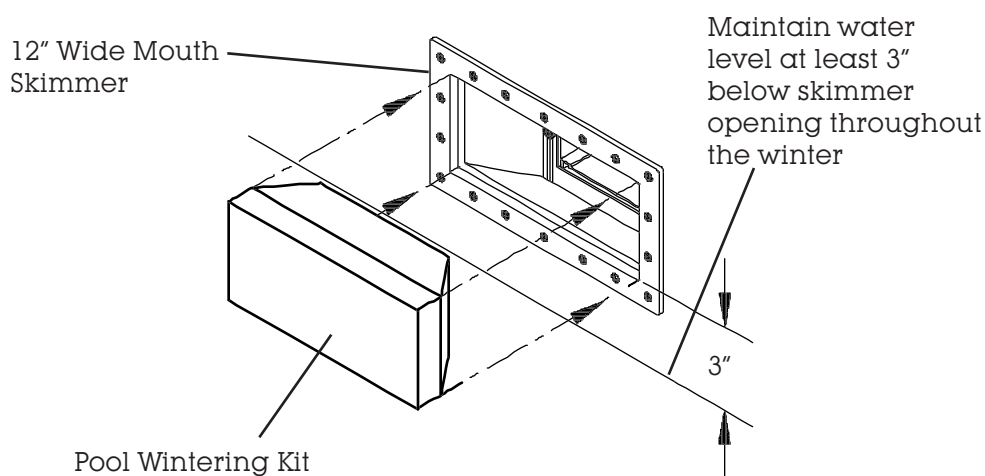
In addition to the above, the Pool Winterizing Kit (Part Number 1370138) must be inserted into the 12" skimmer (see illustration below)

Failure to install the "Pool Winterizing Kit" and follow the winterizing procedure, in accordance with these instructions, may void the pool warranty.

The Pool Winterizing Kit (Part Number 1370138) is also available from your pool dealer.

All Pools:

Do not attach the pool cover to the top rails, connectors or any part of the skimmer.



Insert the Pool Winterizing Kit (Part Number 1370138) into the skimmer until it fits flush with the skimmer flange. On some skimmers, it may be necessary to trim the foam to make a friction fit and/or use a wooden wedge to keep it in place during the winter.



SECTION

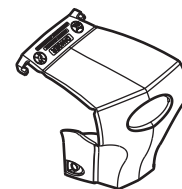
2

Pool Component Installation Manual

Assembling the Pool Base

B

Part No. 1920692
rev. 0



A. Assemble your Pool Base

Note:

If you want, instead of using patio stones you can make **crushed limestone pads**. Dig a 12" x 12" (30 x 30 cm) square hole 2" (5 cm) deep and fill the hole with crushed limestone, packing it down hard. Spray the crushed limestone with water as you pack it down.



Hint:

Bend the first 1/8" (3 mm) of the end of the bottom rail slightly with a pair of pliers to make sure the rail doesn't slide out of the base plate when the pool wall is installed.



Remember:

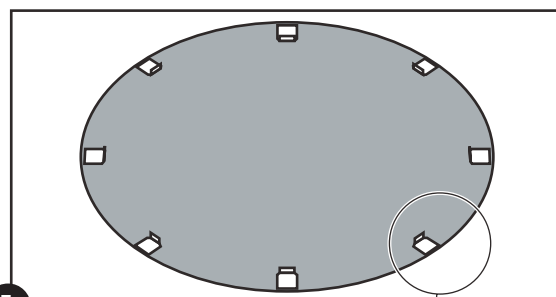
Spread brick sand or sheets of styrofoam out over the entire pool foundation area inside the base rails. This provides a protective surface for the pool liner to rest on. Pools with a styrofoam layer **must** still have a cove.

1. Lay out the Base Plates and Bottom Rails

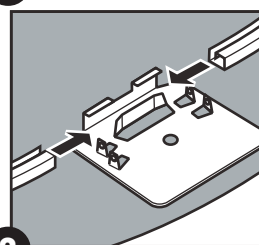
- This step is optional:** Place sheets of 1" or 1-1/2" (25 or 38 mm) thick Styrofoam on the ground over the complete area where the pool is to be constructed. Place the bottom rails and base plates on top of the Styrofoam. Do not leave any gaps between the ends of the bottom rails. Using the inside face of the base rail as a cutting line, cut the Styrofoam with a knife. Prior to removing the Styrofoam from inside of the pool perimeter, number each piece with a marker to make reassembling them fast and easy. Remove all of the Styrofoam from under the base plates and from inside of the pool (the Styrofoam trimmed off outside the rails can be discarded). Neatly stack the Styrofoam removed from inside of the pool it will be required later **after** the pool wall has been installed in Section 3, not before.
- Place the base plates equally spaced around the perimeter of your foundation. If you are using the optional patio stones, place one base plate on each stone.
- Slide the curved bottom rails together with the base plates. Leave a 1/2" (13 mm) gap between the ends of the bottom rails.

2. Spread out Brick Sand

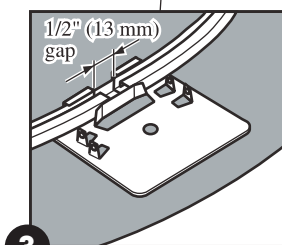
- Spread a layer of fine brick sand (no pebbles) over the foundation area, 2" (5 cm) deep. Use a rake to make the brick sand flat and smooth. **Instead** of brick sand, you can use the sheets of Styrofoam previously cut out in Step 1a but you must wait until the pool wall has been installed (Section 3) before using this option. When you reassemble the sheets in the centre of the pool, join them with duct tape along the whole length of each seam.



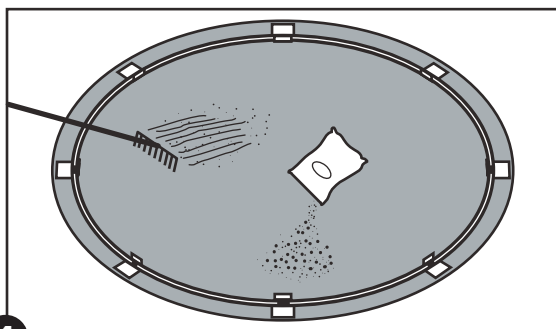
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SECTION 3

Pool Component Installation Manual

Assembling the Pool Wall & Liner



Hint:

Bring the following items onto the pool foundation **before** you start uncoiling the pool wall: the **pool liner**, some extra **brick sand** to make the cove in Step 5, and a **ladder** to climb out after the wall is assembled.



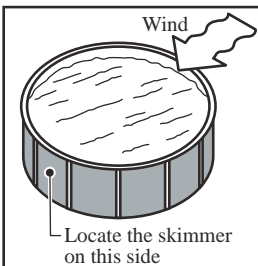
Caution:

Do not attempt to install the pool wall in the wind. Wait for a calm day.



Remember:

For **best results**, mount the skimmer on the **downwind** side of the pool (that is, directly across from the most common wind direction).



Hint:

Secure the slotted tube connector to the wall with a piece of duct tape after installation to prevent it from lifting off the wall.

A. Assemble your Pool Wall

This section is for Round and Oval pools (Round pools are shown).

1. Set the Pool Wall in place

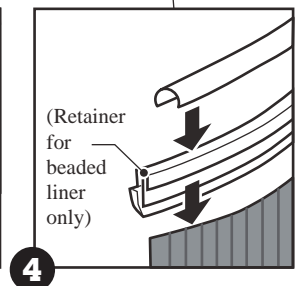
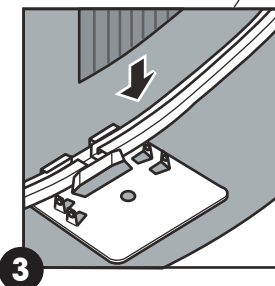
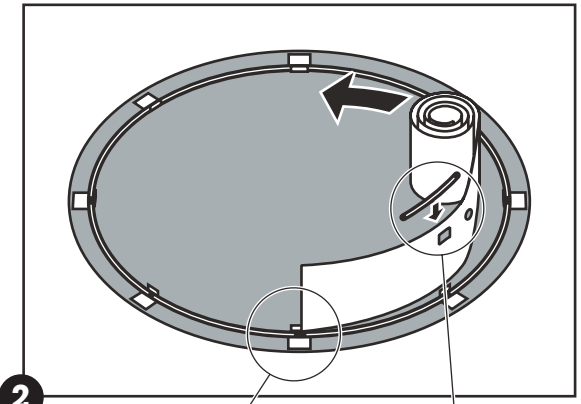
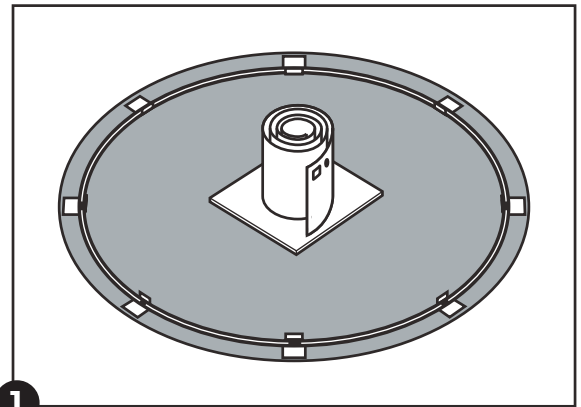
a. Wait for a calm day. **Do not** attempt to install the pool wall in the wind.

b. Unpackage the coiled pool wall and stand it on a piece of cardboard or plywood at the centre of the pool. The cut-outs for the through-the-wall skimmer should be towards the top of the wall. Look for a **"THIS WAY UP"** label and arrow.

c. Start uncoiling the wall, guiding the bottom edge into the curved bottom rail. The starting end of the wall **must** be positioned **over a base plate**, and the skimmer and return holes should be positioned where the pump and filter will be.

d. Set lengths of slotted tube onto the top edge of the wall as you uncoil it and join the slotted tubes with connectors as you go, leaving a 1/2" (13 mm) gap between each.

Make sure the gap is directly above the base plate (this applies to round pools, oval pools and Gibraltar Style pools). (If you have a **beaded pool liner**, set lengths of **liner retainer** on the top edge of the wall first, then the slotted tubes and connectors.)



- e. Work around the foundation until the entire pool wall is uncoiled into the bottom rails and the top edge is covered with slotted tubes and connectors (and beaded liner retainers if you have a beaded pool liner).

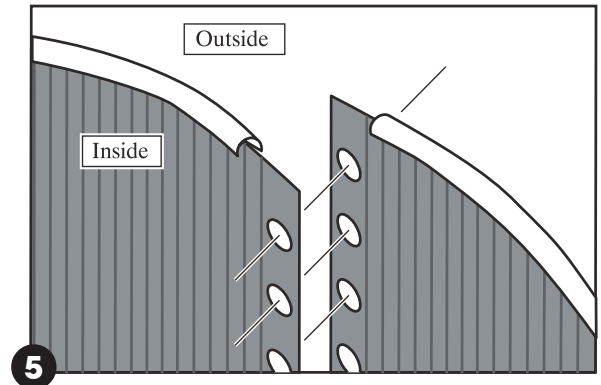


Hint:

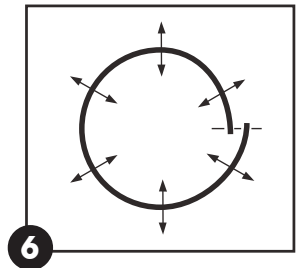
Stick a screwdriver through two of the holes to help line up the ends of the wall.

2. Join the Ends of the Pool Wall

- a. Line up the holes in the two ends of the pool wall.



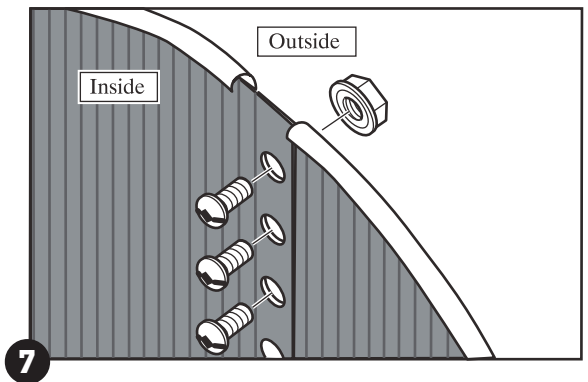
- b. To line up the holes, make the circle bigger or smaller by nudging the base plates in or out with your foot.



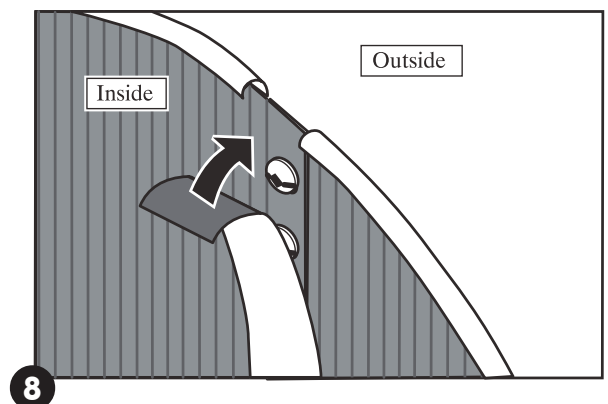
Remember:

The bolt heads must be toward the inside of the pool. Cover the bolt heads with duct tape.

- c. Join the ends of the pool wall with a bolt and nut through each hole. Place each bolt head towards the **inside** of the pool and each nut towards the **outside**.
- d. Tighten each bolt and nut securely.



- e. Cover the seam and bolt heads on the inside of the pool wall completely with 2" (50 mm) duct tape.



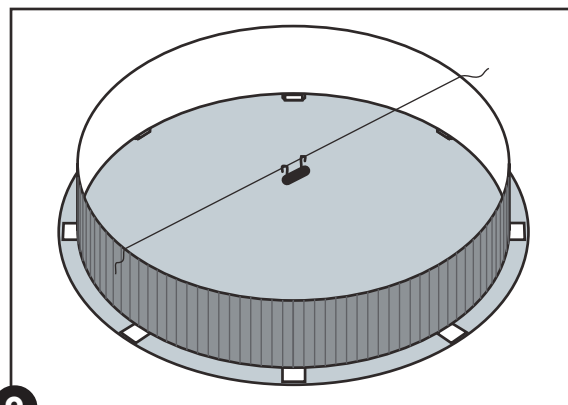
3. Make sure the Pool Wall is Level

- a. Use a length of string and a line-level to check across the top edge of the pool wall to see if it is level. Check the wall in several different directions. The wall **must** be level. If the level is off by more than 1" (25 mm) across the diameter of the pool, take the wall apart and level the foundation again.

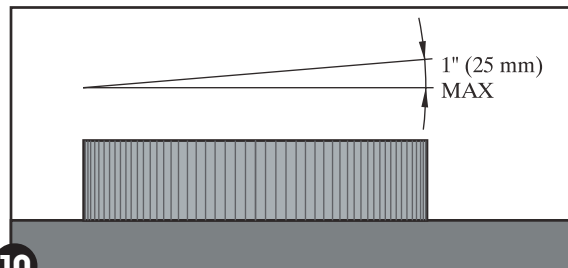


Caution:

The pool **must** be level within 1" (25 mm) across the diameter. A pool that is not level is dangerous and may collapse.



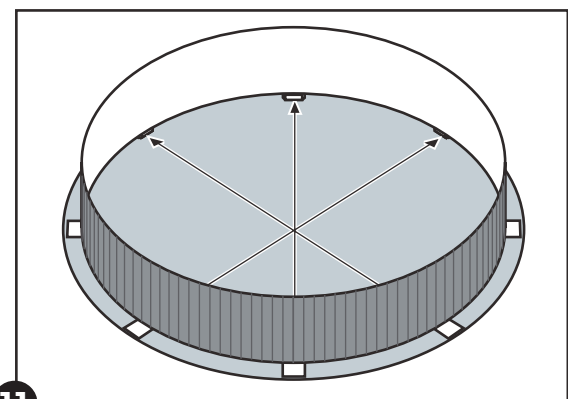
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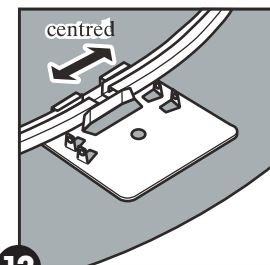
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4. Make sure the Pool Wall is Round

- a. Using a tape measure, measure across the circle at each base plate. The pool wall **must** be round within 1" (25 mm) (all of the measurements must be within 1" (25 mm) of each other). Adjust the circle by nudging the base plates in or out with your foot.
- b. Adjusting the pool to the proper shape may cause the base rails and base plates to slip out of alignment a little. Recheck all of the base plates to make sure each one is centred where the base rails meet.



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5. Install the Styrofoam Sheets (optional)

- a. If you chose the option of using Styrofoam **instead** of brick sand, you can now install the sheets of Styrofoam previously cut out in Step 1a. Reassemble the sheets in the centre of the pool and join them with duct tape along the whole length of each seam. Remember to wait until the pool wall has been installed in Section 3 before installing the Styrofoam.

**Remember:**

The cove is an important part of the pool structure. Take your time to make a complete, full-size cove.

**Caution:**

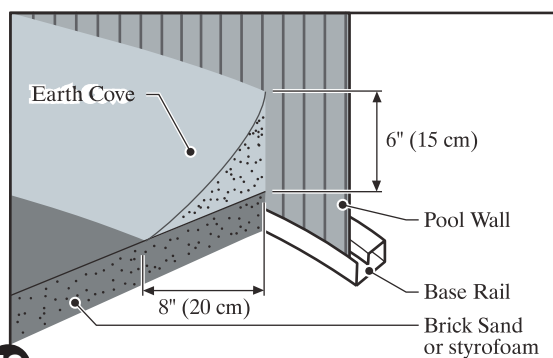
The "Wall-Saver" gasket is important for protection against corrosion.

Failure to install this gasket properly on the cutout for 6" or 12" skimmers may void the warranty of your pool wall. If the gasket is damaged, get a replacement from your pool dealer.

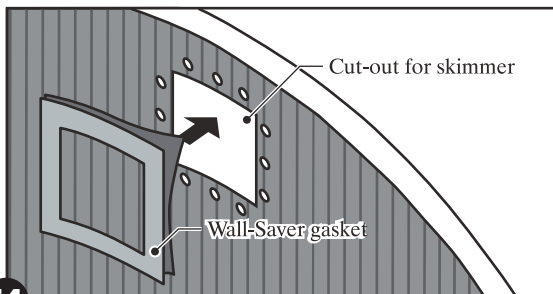
Note: The "Wall-Saver" gasket is not required or provided for walls using 14" skimmers.

6. Make a Cove

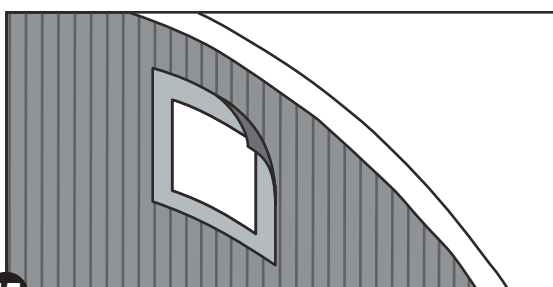
- Make a curved cove about 6" (15 cm) high and 8" (20 cm) wide all around the bottom of the pool wall on the inside.
- Use fine earth or brick sand to make the cove, and pack it firmly into shape.

**7. Install the "Wall-Saver" Gasket**

- The Wall-Saver gasket provides a water-tight seal around the skimmer cut-out for the through-the-wall skimmer. **Gently** spread apart the two layers of the gasket and insert it into the skimmer cut-out so that it sandwiches the wall. **Be very careful not to tear or damage the seam in the gasket or the gasket may leak.** Take extra care not to cut or damage the gasket when you are installing the skimmer later. If the gasket is damaged, you **must** get a replacement from your pool dealer.



Note: The "Wall-Saver" gasket is not required or provided for walls using 14" skimmers.

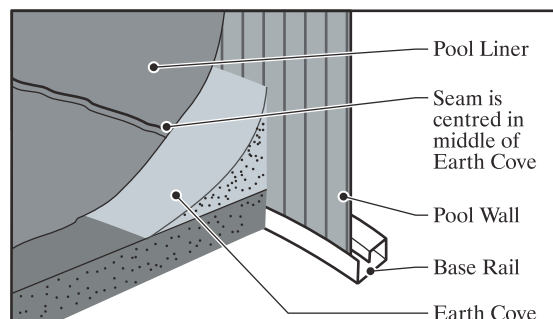
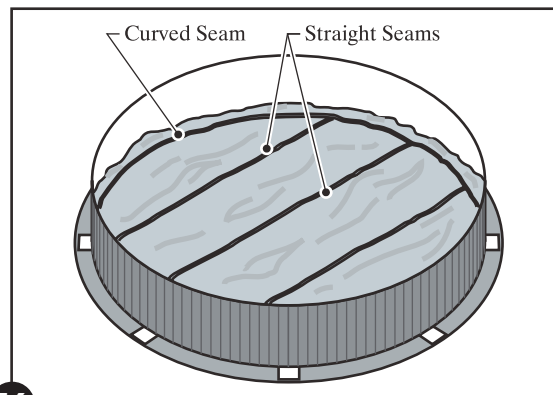
**B. Install your Pool Liner****Hint:**

If possible, unfold the liner on the grass one to two hours before installation.

Be careful not to leave the liner too long or you may damage the grass.

1. Set the liner in place

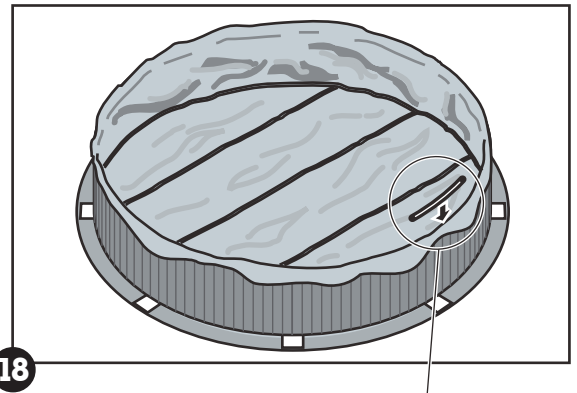
- Open the carton. **Do not** use anything sharp to open the carton.
- Unpack and unfold the liner and spread it out in the sun to warm it up. Inspect all the seams and surfaces for holes.



**Hint:**

To smooth out the wrinkles in step 2(c), use a **vacuum cleaner**: block the skimmer outlet with cardboard and tape and put the vacuum hose through the skimmer return hole, between the liner and pool wall. Seal the hole with tape and keep the hose 4" to 6" (10 to 15 cm) above the sand cove so you don't suck up any sand. Start the vacuum and run it until most of the wrinkles are gone. Then, stop the vacuum and add 1" (2.5 cm) of water to the pool. Finally, remove the vacuum hose and unplug the skimmer hole.

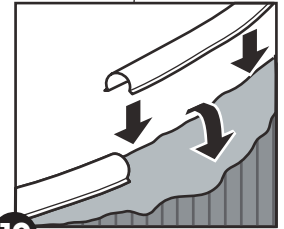
- c. Spread out the liner. Follow the instructions supplied with the liner for the correct orientation of the smooth side. The curved seam should be centred on the cove at the base of the wall. The other seams will form straight lines across the bottom of the pool.
- d. Smooth out all the wrinkles in the bottom.

**18**

2. Fasten the Liner in place (Overlap Liner only)

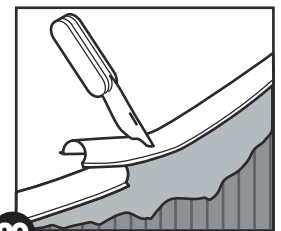
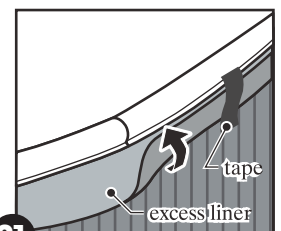
This step applies only if you have an **Overlap Liner**. See the next page if you have a **Beaded Liner or V-Bead Liner**.

- a. Lift the sides of the liner and drape them over the top of the pool wall. If you have a 52" (132 cm) high pool, pull the liner up until there is 2" (5 cm) overhang; if you have a 48" (122 cm) high pool, pull the liner up until there is 6" (15 cm) overhang.
- b. Fasten the liner to the top of the wall with plastic coping. Let the liner hang slack for now. **Do not** pull the liner tight.
- c. Start filling the pool with water. As the pool fills, work out all the wrinkles and smooth the liner to the wall. Remove the plastic coping around the top edge of the wall **one piece at a time** and adjust the liner. Keep smoothing out the wrinkles.

**19**

3. Trim the Plastic Coping and Roll Up the Excess Liner

- a. After all the wrinkles in the liner are removed, trim any extra length of plastic coping so there is no overlap.
- b. Roll up any excess liner hanging below the plastic coping and tape it in place near the top of the pool wall. **Important: Do not** trim off the excess liner.

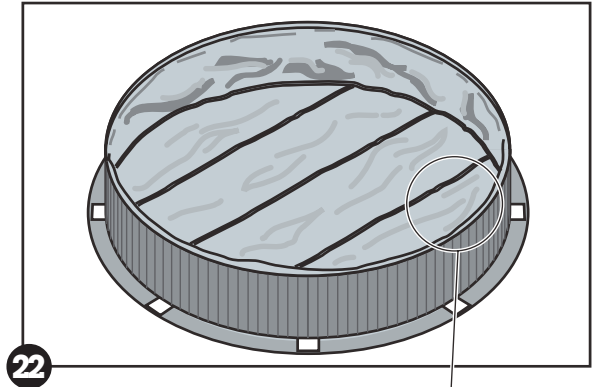
**20****21****Remember:**

Do not trim off the excess liner. (If the liner ever needs to be removed, trimming the liner will make re-installation very difficult.) Instead, roll up any excess liner and tape it in place near the top of the pool wall.

4. Fasten the Liner in place (Beaded Liner only)

This step applies only if you have a **Beaded Liner**. See the previous page if you have an **Overlap Liner** or below if you have a **V-Bead Liner**.

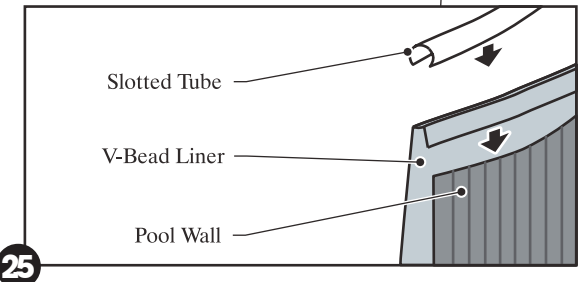
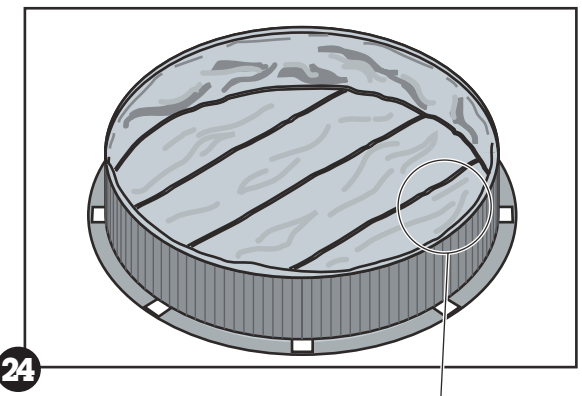
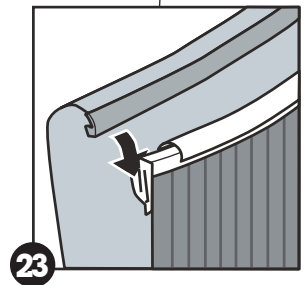
- a. Lift the sides of the liner and insert the beaded edge into the liner retainer on the top edge of the pool wall.
- b. Start filling the pool with water. As the pool fills, work out all the wrinkles and smooth the liner to the wall.



5. Fasten the Liner in place (V-Bead Liner only)

This step applies only if you have a **V-Bead Liner**. See steps 2 and 3 if you have an **Overlap Liner**, or step 4 if you have a **Beaded Liner**.

- a. Remove the slotted tubes and connectors from the top edge of the pool wall. **Important:** **do not** remove all of the slotted tubes at once; remove only **two** lengths of slotted tube at a time.
- b. Hook the V-bead over the edge of the pool wall.
- c. The space between the ends of the slotted tubes at the tops of the locations where the verticals will be attached, should be about 1/2" (13 mm). If you have a Oval System, refer to page 2-5 or 2-6, step 2 in the manual.
- d. Replace the two lengths of slotted tube and connectors.
- e. Repeat steps (a) to (d) until you have gone around the entire pool and finished attaching the pool liner in place.
- f. Start filling the pool with water. As the pool fills, work out all the wrinkles and smooth the liner to the wall.



6. Proceed to Section 4

- a. Continue with Section 4 to finish assembling your pool.

SECTION

4

Pool Component Installation Manual

Installing the Top Rails & Verticals

A. Attach your Verticals and Top Rails

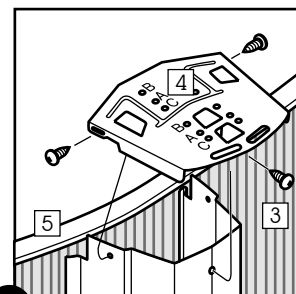
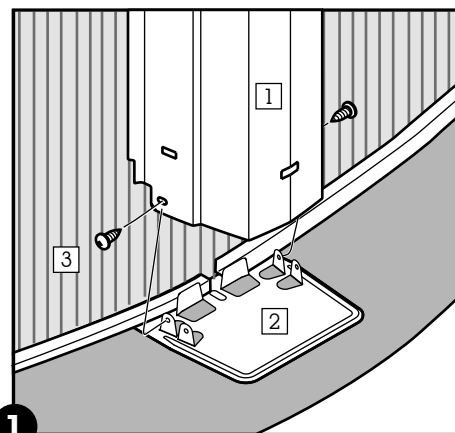
1. Continue filling your Pool

- Continue filling your pool with water. Do not put in more than 12" (30 cm) of water until the top rails and vertical columns are all attached.
- Keep working on the top rails and vertical columns while the pool fills.

- See the drawing on the next page for an overview of all the parts used to install the verticals, top rails and top connectors.

2. Install the Vertical Columns

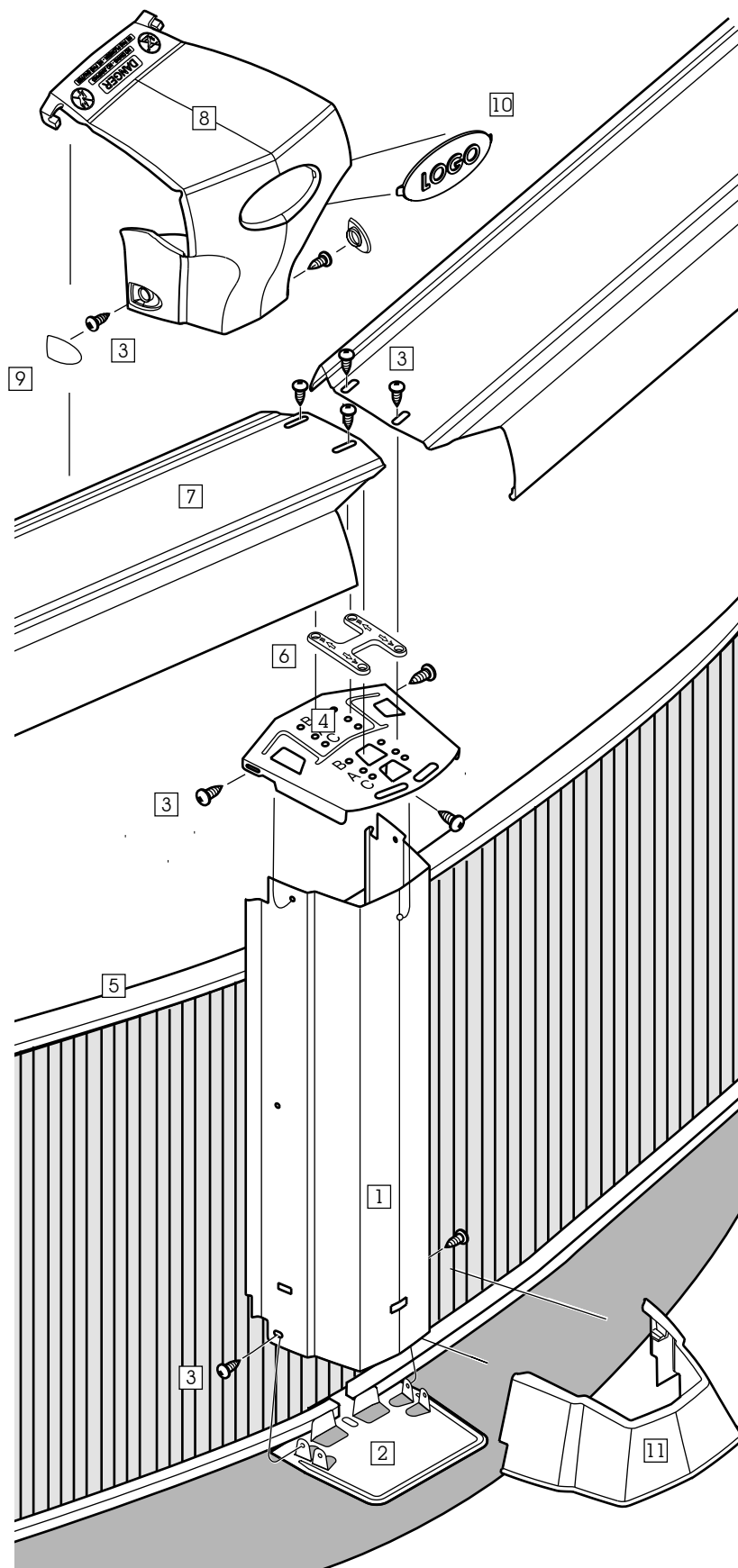
- Line up the bottom of one vertical column (key 1) with the two small tabs on one base plate (key 2). The two tabs nearest the inside of the pool must be on the **inside** of the vertical column, and the other two tabs should be showing on the **outside** of the vertical column. The end of the vertical with three holes must be nearest the top and the end with two holes nearest the bottom.
- Line up the screw holes in the vertical column with the two tabs nearest the inside of the pool and fasten with one self-tapping screw (key 3) on each side (the other two tabs will not have screws through them).
- Hook a top plate (key 4) over the top edge of the pool wall (key 5). Place the top plate down over the top of the vertical column with the tabs on the **outside** of the column. Make sure the vertical column is straight up and down.
- Line up the oval screw holes and fasten with one self-tapping screw on each side and one on the front (key 3).
- Repeat the last four steps for each of the vertical columns around the pool wall.



Hint:

Use the ridges in the pool wall to make sure the vertical column is straight up and down.

**Overview of
Vertical, Top Rail
and Top Connector
Assembly**



**Important:**

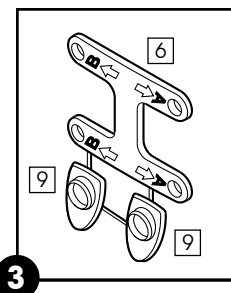
Be careful not to damage the set of connector clips or spacer when separating them with the knife.

**Note:**

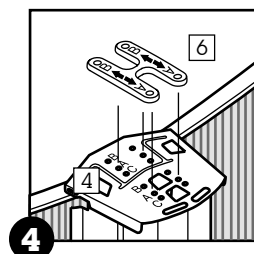
Failure to install the spacer will damage the top rails during the installation process.

3. Install the Top Rails

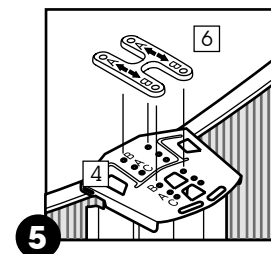
- a. The spacer and connector clips are shipped attached together and must be cut apart. **Carefully** remove the spacer (key 6) and the connector clips (key 9) with a sharp knife (place the plastic parts upside down on a hard surface to do the cutting). Remove any excess plastic from all parts with the knife.



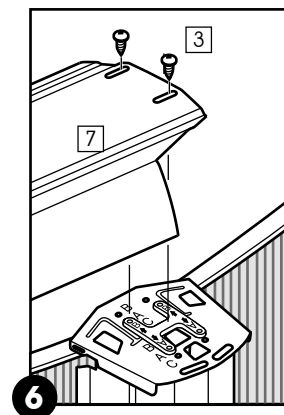
- b. **IMPORTANT: For round pools and round ends of ovals pools.** The letter 'A' on the spacer must be pointing towards the outside of the pool. Install the spacer so that the holes in the spacer are over the 'A' holes in the top plate as shown in diagram 4.



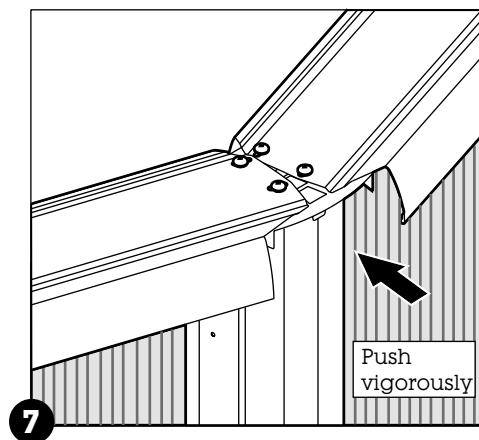
- c. **IMPORTANT: For oval pools only.** At the buttresses the letter 'B' on the spacer must be pointing towards the outside of the pool. Install the spacer so that the holes in the spacer are over the 'B' holes in the top plate as shown in diagram 5.



- d. Place a top rail (key 7) with one end on top of the top plate and spacer. The side of the top rail facing the centre of the pool is shorter than the side facing the outside of the pool. The side of the top rail facing the outside of the pool will form a large overhang.
- e. Line up the holes as shown. Fasten through the two oval holes into the holes in the top plate below with two self-tapping screws (key 3). **Do not** tighten the screws yet. Leave the screws slightly loose until all the top rails are in place.
- f. Repeat step (e) for the other end of the top rail.

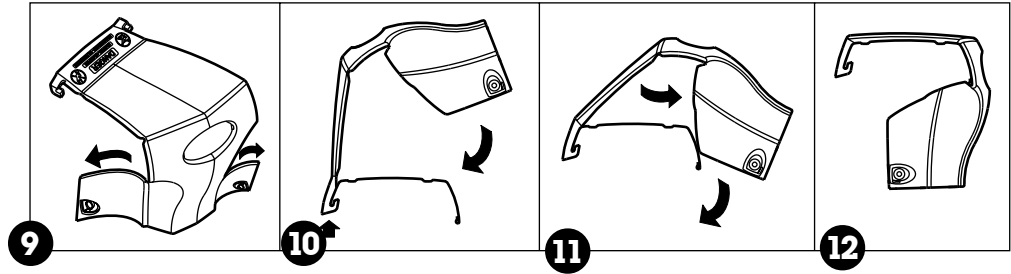
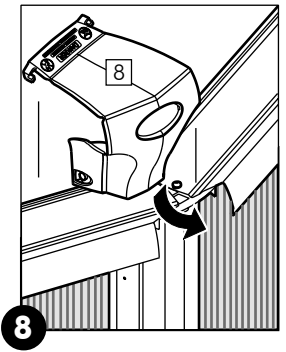


- g. Repeat steps (a) to (f) to install the rest of the top rails around the top of the pool wall.
- h. Make the pool settle into a perfect circle by pushing the top of the pool wall **vigorously** inward at each vertical (this will help make the bottom of the pool wall shift into a perfect circle).
- i. Adjust all the top rails to line up evenly with each other and tighten all the screws.



4. Install the Top Connectors

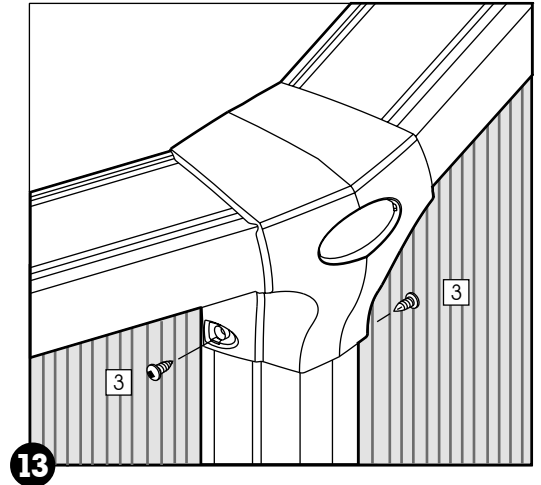
- a. Line up the connector (key 8) above the ends of two top rails.
- b. Hook the small tabs protruding from the underside of the connector onto the inside edges of the top rails and hold them firmly in place. Pull the other end of the connector down into place under the top rails by **gently** stretching it across and down, as shown in diagrams 9 to 12.



Caution:

Be sure to **spread the sides of the lower half connector** before stretching it across the top rails or the connector may be damaged.

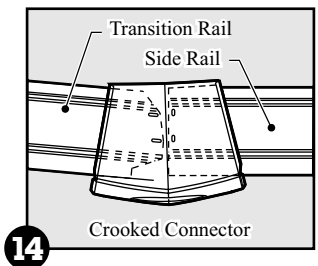
- c. Push the lower part of the connector in towards the vertical column and line up the two screw holes in the lower portion of the connector with the two holes in the vertical column. Fasten the connector in place with two self-tapping screws (key 3). Tighten the screws.



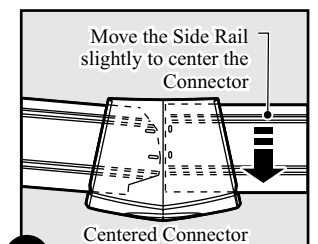
Note:

If necessary, the plug covering the screws can be removed by prying it out with a knife. Be careful not to damage the edges of the plug.

- d. **For oval pools only:** At the transition points only, where the end rail meets the side rail, make sure the side rail lines up properly with the end rail. If it doesn't line up, the connector will appear crooked from above (see diagram 14). If the connector isn't centered between the rails, temporarily remove the connector and loosen the screws on the side rail. Shift the side rail in or out from the center of the pool until the connector can be properly centered between the rails (see diagram 15).

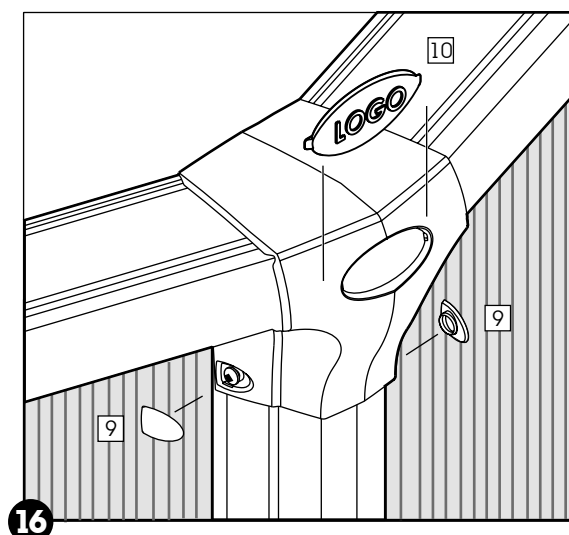


14



15

- e. Install the connector clips (key 9) by lining up the circular ring on the clip with the circular ring on the connector and applying pressure. The clip will snap into place. (see diagram 16).
- f. First insert the small tab on the right of the logo insert (key 10) into the small opening on the top of the connector designed for the logo insert. Bend the insert slightly and insert the large tab on the left into the large opening across from the small opening on top of the connector. Press down on the insert to ensure a proper fit.
- g. Repeat the last six steps for the rest of the top connectors.



Hint:

In step 5(b), push the sides of the foot cover **inward** while you slide the cover into place, to make sure the two side clips snap into the slots.



Important:

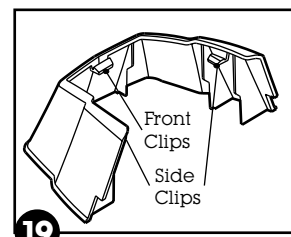
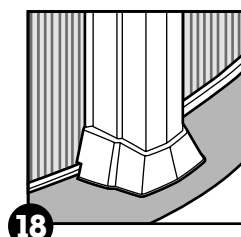
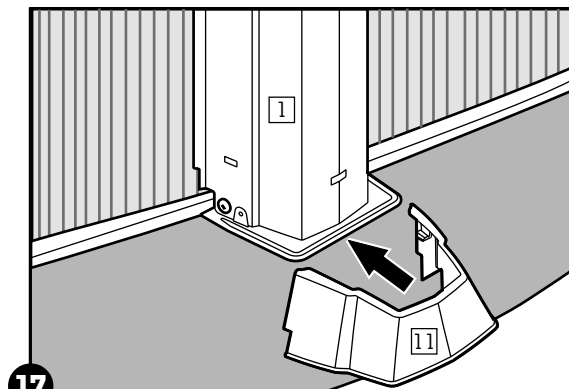
The pool wall may bulge and shift a little while filling with water. This is normal.

5. Install the Foot Cover

- a. Place the foot cover on top of the base plate (key 11). Slide the foot cover towards the pool wall until the side clips and front clip snap into the slots in the vertical column (key 1).

Important: Ensure that the side clips snap into the slots on the sides of the vertical.

- b. Repeat the last step for each of the vertical columns around the pool wall.



B. Fill your Pool with Water



Caution:

Before anyone uses your pool, read and follow all the **Safety Rules** in Section 1. This pool is **not** for diving or jumping.

1. Finish filling the pool

- a. Fill the pool with water to 2" (5 cm) below the lowest opening. Next, follow the installation instructions for your skimmer.