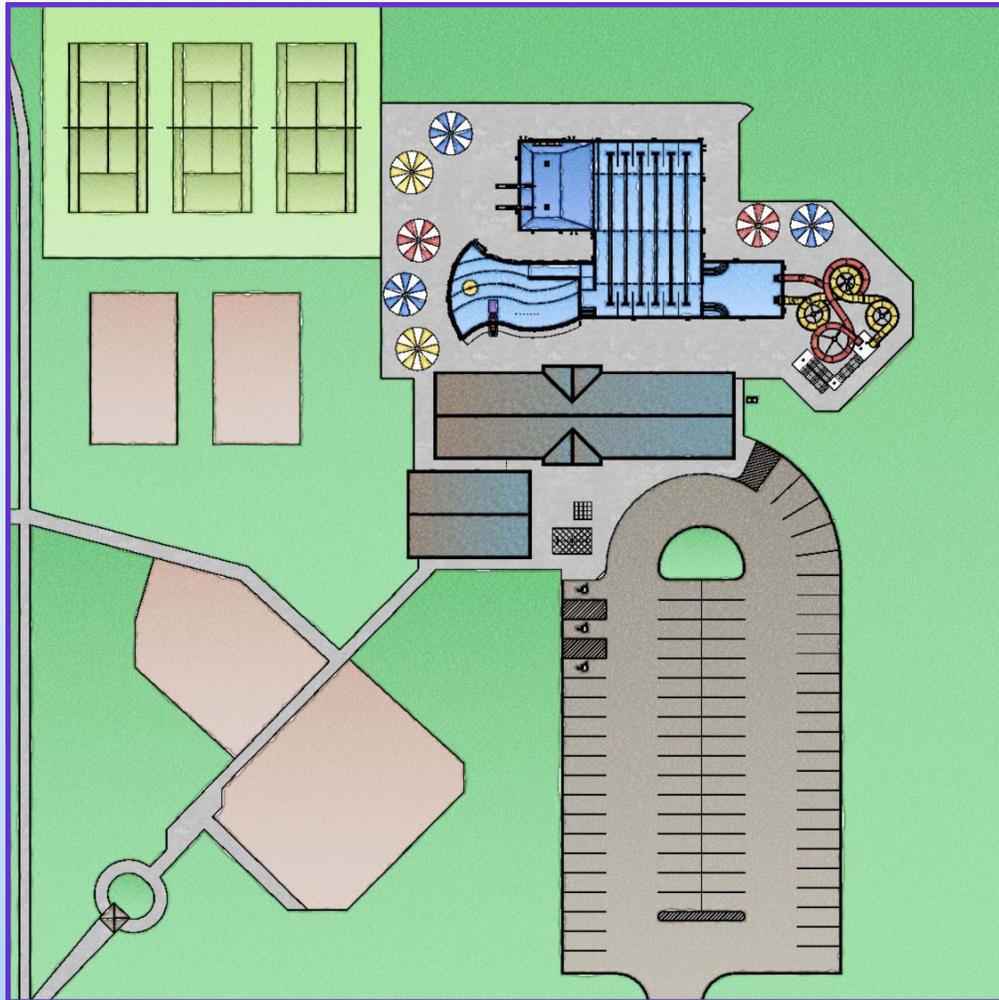


# City of La Crescent, MN Pool Assessment



January, 2011

**La Crescent MUNICIPAL POOL**  
**La Crescent, MN**

**Facility Assessment**  
**March 3, 2011**

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## **SECTION 1**

## **EXECUTIVE SUMMARY**

### **STATEMENT OF UNDERSTANDING**

It is our understanding that the City of La Crescent has requested a preliminary study to review options for the existing municipal pool facility. The goal of this assessment is to analyze the conditions of the existing facility and provide options for repair, renovation, or replacement.

### **STUDY APPROACH**

The study approach primarily consisted of a physical assessment of the existing swimming pool, decks, and pool equipment by USAquatics with the assistance of facility personnel.

### **SCOPE OF STUDY**

The scope of this study covers the following areas of the facility:

- Swimming pool structure, recirculation, filtration, and sanitation equipment.
- Wading pool structure, recirculation, filtration, and sanitation equipment.
- Pool decking area, diving boards, play features, etc.
- Bathhouse and mechanical building.
- Supporting facilities have also been briefly covered.

### **STUDY CRITERIA**

The criteria used in our assessment include:

- Pool code requirements.
- An understanding of cause and effect associated with various aquatic designs and operating procedures as presented to us through the assessment, review, and design of several thousand aquatic facilities.

### **INTENT OF REPORT**

To present a concise summary of safety, design, performance and operational issues in an effort to prevent patron injury and/or illness, ease operation, lower operating costs, and increase the lifespan of the facility while increasing patron visits and revenues.

### **SUMMARY**

Based on discussions with staff, a physical assessment of the existing facility, and analysis of the existing conditions at the Pool Facility, USAquatics, Inc. has determined that the facility is deficient in several areas with respect to the state swimming pool code and is in need of renovation or replacement. Three options for the municipal pool facility have been provided for analysis; (A) renovation of the existing facility, (B) reconstruction & expansion of the existing facility, & (C) construction of a new aquatic facility. These options provide a range of facility improvements and enhancements, from simple code renovations to the addition of water slides and or water play features. Each of these options is discussed in greater detail below.

Upon completion of the facility assessment, the pool committee met several times to discuss what the Needs and Wants should They City decide to pursue a renovated or new pool facility. USAquatics explained the pros and cons between renovation, building within the existing pool, and building an all new pool facility, and answered all related questions. Below is a list of the Needs and Wants accumulated at our meeting:

#### Needs

- Zero-Depth Entry
- Lap Lanes/Competition pool
- Slides
- Diving Boards ½ meter and 1 meter
- “Friendly” – Deck showers/lockers
- Seating and Shade
- Concessions serving pool with seating area
- Kid Slide
- Calm zero-depth area
- Concession to serve outside pool fence
- Back stroke flags
- Lifeguard storage area
- Clean bathhouse, “not smelly”

#### Options/ Wants

- Sand tot lot
- 2 tennis courts
- Apple theme
- “Green Space”

#### Preferences

- One body of water
- Geysers
- No Floatables
- Cannons
- No family change rooms
- No/limited grass inside fence
- Landscape beds
- More bike racks
- 6 lanes OK
- 25 yard competition pool
- “NO SUMMER WITHOUT POOL”

#### Other Notes

- 560 people used community building
- Meeting room, space shortage
- Community room used for meeting space
- Community Ed uses building
- Bike Shop

## **SECTION 2**

## **IMPROVEMENT OPTIONS**

### **RENOVATION (OPTION A)**

A survey of the existing Municipal Pool was conducted by Tom Schaffer & Aaron Hunter of USAquatics, Inc., with the assistance of facility personnel. The facility consists of a swimming pool, wading pool, bathhouse/mechanical building, and associated parking.

Parking facilities are shared with the nearby athletic fields. Based on discussions with city staff, the parking facilities are inadequate for the existing facility and additional parking was recommended for busy days.

The facility is in operable condition, but is deficient in several areas with respect to the Minnesota State Swimming Pool Code. The major deficiencies include, but are not limited to:

Renovation of the existing facility proved to be a large expense for a limited return of operating the facility for an additional eight to ten years. The pool is beyond its expected lifespan, and the aging of the pool is most concerning in the main drains. In the 2010 swimming season, large pieces of cast iron were showing up in the strainer baskets, which proved to be coming from the failing main drains, resulting in thousands of gallons of water being lost out the bottom of the pool. In order to operate within State Health Code, new main drain water lines would have to be installed.

In addition to the main drains, there were various other code violations and safety concerns including the existing filters and turnover rate of the recirculation system, pool surface, perimeter fencing, and bathhouse compliance issues.

### **RECONSTRUCTION & EXPANSION (OPTION B)**

Reconstruction & expansion or building within the existing pool shell (Option B) is an intermediate option with regards to cost and facility improvements. This option provides a new facility with the renovation of the existing facility with the addition of play features and desired facility upgrades. Based on the pool committees comments we recommend the following work for reconstruction & expansion of the existing facility (Option B). *A diagram of the proposed reconstruction & expansion layout is provided in the Appendix.*

Option B provides a new pool facility with the same 40 year life expectancy of an all new pool construction; but provides savings in demolition and construction by using the existing pool shell as a form to construct the new pool, and potentially utilizing the existing bathhouse building structure.

### **NEW AQUATIC FACILITY (OPTION C)**

The final option for consideration is complete demolition and removal of the existing facility and reconstruction of an entirely new aquatic facility in its place (Option C). This would include demolition of all portions of the existing aquatic facility; pools, bathhouse, mechanical building, etc. The existing parking facilities would be retained and reused for the new facility. Although this option is the most expensive, it provides the greatest flexibility for enhancement and reconstruction with few limits to the design or layout of the new facility. In order to analyze this option we have provided examples of (3) of our past projects which we believe would be a similar size and scope to that constructed in Plainview. These include the Spring Grove, Sleepy Eye, & Stewartville aquatic centers. A summary for each of these projects is contained in the following pages and schematic layouts

are provided in the Appendix (Drawings C1, C2, & C3). An opinion of estimated construction costs for these facilities is also provided in Section 3.

### **SECTION 3**

### **PRELIMINARY COST ESTIMATES**

#### **RENOVATION (OPTION A)**

Renovation of Existing Pool, Wading Pool, Bathhouse

**Total Renovation** **\$ 1,035,000**  
(Number correspond to USAquatics Pool Survey and Operations Report in appendix)

11.	General Conditions & Professional Fees	\$210,000
12.	Overflow	\$21,000
13.	Drains	\$72,000
14.	Inlets	\$32,000
15.	Pool Shell and Finish	\$68,000
16.	In Pool Safety Equipment	\$9,000
17.	Access into Pool	\$16,000
21-33.	Filter system, Gauges, Pumps, Piping, Valves	\$96,000
34.	Heater	\$22,000
35.	Surge Capacity	\$24,000
38.	Water Supply to Pool	\$6,000
41-43.	Controllers, Chemical Feeders	\$12,000
65&81.	Fencing and Decks	\$84,000
66.	Wading Pool	\$80,000
71-73.	Admissions, Locker Rooms, Concessions	\$155,000
83-86.	Competitive Equipment, Shade, Safety, Lighting	\$48,000
92&93.	Parking and Accessibility	\$80,000

**Notes:**

*-Professional fees not included. In the above estimate, fees would be 10-12% depending on total scope of work.*

## RECONSTRUCTION & EXPANSION (OPTION B)

ITEM				BASE	Alternate	
<b>Section A: Aquatics</b>						
Lap/Diving Pool:	Area	5406	sq. ft. @	\$ 112.00	\$ 605,472	\$ -
Features:	1-meter diving board				\$ 11,000	
	3-meter diving board				\$ 22,000	
	AquaClimb				\$ 28,000	
Recreation:	Area	1814	sq. ft. @	\$ 115.00	\$ 208,610	
Features:	Stream Jet Manifold				\$ 1,500	
	Kiddie Slide				\$ 12,000	
	Water Dome				\$ 8,500	
	Arch Jet				\$ 5,000	
Plunge:	Area	920	sq. ft. @	\$ 118.00	\$ 108,560	
	Water Slide and tower				\$ 182,000	
	Waterslide				\$ 91,000	
<b>Total Area:</b>		<b>8140</b>	sq. ft.		<b>Sub-total: \$ 1,283,642</b>	<b>\$ -</b>
<b>Section B: Support Facilities</b>						
Bathhouse w/ radiant	Renov Existing	2108	sq. ft. @	\$ 90.00	\$ 189,720	
Admin/Conc/Staff		748	sq. ft. @	\$ 175.00	\$ 130,900	
Conc & Breeze Roof		1655	sq. ft. @	\$ 45.00	\$ 74,475	
Decks & Sidewalks		15000	sq. ft. @	\$ 7.50	\$ 112,500	
Night Lighting / P.A. system					\$ 40,000	
Seed, Sod, & Landscaping		9000	sq. ft. @	\$ 2.50	\$ 22,500	
Fencing		620	lin. ft. @	\$ 35.00	\$ 21,700	
Parking & Drop-Off		12200	sq. ft. @	\$ 6.50	\$ 79,300	
Sidewalks	Ext.	2800	sq. ft. @	\$ 7.50	\$ 21,000	
Shade Structures 7	(\$3500 ea.)				\$ 24,500.00	
Furniture, Fixtures, & Equipment (FFE)					\$ 48,000	
					<b>Sub-total: \$ 764,595.00</b>	<b>\$ -</b>
<b>Section C: Miscellaneous</b>						
Select Demolition of Pool, Bathhouse, Walks					\$ 20,000	
Site Work & Soils Correct					\$ 50,000	
Utility Upgrades					\$ 20,000	
3 Tennis Courts		18720	sq. ft. @	\$ 12.00	\$ 224,640	
					<b>Sub-total: \$ 314,640</b>	<b>\$ -</b>
Construction Sub-Total:					\$ 2,362,877	\$ -
Construction Gen. Conditions:		1.50%			\$ 35,443	\$ -
Contingency:		4.50%			\$ 106,329	\$ -
					<b>Construction Total: \$ 2,504,650</b>	<b>\$ -</b>
					Total w/ alts.: \$ 2,504,650	

<b>Section D: Owner costs and Professional Fees</b>							
Specialty testing		1.00%			\$ 25,046	\$ -	
Owner direct gen. conditions		1.50%			\$ 37,570	\$ -	
USAquatics fee thru Const. Docs.		7.25%			\$ 181,587	\$ -	
USAquatics Bid & Const Admin fee*		1.50%	*		\$ 37,570	\$ -	
Signature Aquatics Const. mgnt fee		4.50%			\$ 112,709	\$ -	
Signature Aquatics const. savings		-7.50%			\$ (187,849)	\$ -	
State Review & Inspections		0.50%	(\$15,000 max)		\$ 12,523	\$ -	
City Permits & Inspections					\$ 4,000		
				<b>Project Total:</b>	<b>\$ 2,727,806</b>	<b>\$ -</b>	
				Total w/ alts.:	\$ 2,727,806		
*USAquatics Bid & Construction Administration fee will adjust to 3.5% to cover additional costs to work with multiple contractors and/or another project management service.							

**NEW AQUATIC FACILITY (OPTION C)**

The following are approximate actual costs for the example facilities analyzed in Option C. These numbers should be used for planning purposes only as a guide in determining the relative cost of a new facility versus renovation. If a new facility is desired, USAquatics would be pleased to provide a schematic design and full preliminary budget.

<b>SPRING GROVE</b>	<b>\$2,000,000 *</b>
<b>SLEEPY EYE</b>	<b>\$2,500,000</b>
<b>STEWARTVILLE</b>	<b>\$2,750,000</b>

*\*This estimated cost include \$250,000 in-kind work.*

## **SECTION 4**

## **REVENUE & EXPENSE PROJECTIONS**

### **RENOVATION (OPTION A)**

Because this option is limited to renovations to the existing facility, we do not foresee any major difference in revenue and expenses from what currently exists. The only minor changes that we foresee will be a small reduction in expenses. Because there are no amenities being added with this option, we do not foresee any additional revenues associated with increased patron visits, etc. In addition, this option does not provide for the addition of concessions and its associated revenue generation.

### **RECONSTRUCTION & EXPANSION (OPTION B)**

#### **Projected Expenditures for New Aquatic Center**

	Projected
Salaries	\$76,000
Supplies	\$1,200
Pool Chemicals	\$7,200
Concession Purchases	\$13,000
Uniforms	\$1,100
Travel, Training Meetings	\$1,100
Telephone	\$500
Utilities	\$13,600
Building & Equipment Repairs	\$1,200
Insurance	\$3,000
Improvements	\$1,700
Equipment	\$1,300
Miscellaneous	\$1,000
Total:	\$121,700

**Projected Revenue for New Aquatic Center**  
**Based on Bather Load:**

	<u>Batherload</u>	<u>Avg. daily attendance</u>	<u>Revenue</u>
Leisure /Plunge Pool	163	98 (60%)	
- admission:			\$ 35,280
- concessions:			<u>\$ 8,820</u>
			<u>Sub-total:</u> \$ 44,100
Lap/Diving Pool	318	128 (40%)	
- admission:			\$ 46,080
- concessions:			<u>\$ 11,520</u>
			<u>Sub-total:</u> \$ 71,550
<b>TOTALS</b>	<b>481</b>	<b>226</b>	<b>\$ 115,650</b>

Note: Revenue totals are based on a 90 day season (out of 101 possible days) and average attendee costs of \$4.00 per day in admissions and \$1.00 per day in concessions.

**Based on Census Information:**

Weekly attendance figures are divided by two categories.

1. City population using 23 % participation
2. County Population using 1 % participation

**Census Information for Litchfield:**

1. 23 % of population of La Crescent  
23 % of \*5,114 = 1,177/weekly
2. 1 % of population of Houston County  
1 % of \*19,244 = 193/weekly

\* Based on 2009 census information

Total weekly attendance: 1,370 persons.

Using a 13 week season, this would result in a seasonal attendance of 17,810 persons.

Based on average attendee costs of \$4.00 per day in admissions and \$1.00 per day in concessions, this would yield total projected revenue of \$89,050

**Projected Expenditures vs. Revenues for New Aquatic Center**

Bather Load method: \$115,650; Census Method: \$89,050; Avg.: \$ 102,350

We estimate revenue from party rentals and lessons to be \$16,000. This would result in net revenue of \$118,350

Average Projected Revenue:	\$ 118,350
Estimated Operating Expenses:	<u>\$ 121,700</u>
<b>Operating Subsidy:</b>	<b>(\$ 3,350)</b>

There are several features which are integral to a facilities ability to break even (or make a few thousand dollars) so that an operational subsidy is not required. Patrons at family aquatic centers stay longer than at the traditional city pools. This extended stay requires shade, concessions, and entertainment. The entertainment is reached by placing the right play features and water depths in and around the pools. Shade can be created with many different items such as large umbrella's, permanent structures, or in some cases, trees.

The most crucial element in determining if a facility will have to be subsidized, or if they will make money is the operations. In order to increase your chances of breaking even or even making a profit, the facility must be run as a business. Staffing is your largest expense, and therefore, it is imperative that schedules are well thought out and adhered to in order to reduce wasted payroll or overlapping schedules. If the weather is cold and cloudy and attendance is low, then, it is important to cut staffing to reflect the decrease in attendance while still keeping a safe amount of guards to watch the pool.

Programming is the second most important element in running a profitable facility! Since The City is paying to heat and treat the pool water 24 hours a day, it is important to program every different pool area from early in the morning until late at night. Early morning opportunities include; lap swimming, swimming lessons, water aerobics, tiny tots (kids 0-6), as well as multi-day camp opportunities such as lifeguard certification classes, junior lifeguard programs, scuba lessons, snorkeling camp. After hours is a great time to offer private rentals to churches, business and community groups.

A full concession stand is very important. Keeping the patrons hydrated and fed is not only important for them, but a great money maker for the owner. There is also the option of getting sponsorships for the concession equipment, shade structures and play features. This is a great way to reduce the initial capital expenditure.

Some things to consider for a concession area:

#### CONCESSIONS

- Possible menu/food options
  - Nachos with cheese
  - Hot dogs
  - Pizza by the slice
  - Bottled beverages
  - Assorted Ice cream products
  - Popsicle
  - Popcorn
  - Hot pretzels
  - Assorted candy bars
  - Bagged chips
- Price Board
- Tables with integral benches
- Shade structures

# USAQUATICS, INC.

## POOL SURVEY AND OPERATIONS REPORT

SURVEYOR: TOM SCHAFFER & AARON HUNTER DATE: AUG. 2, 2010  
POOL NAME: LA CRESCENT MUNICIPAL SWIMMING POOL  
ADDRESS: BILL WALLER, CITY ADMIN.  
OPERATOR/CONTACT: JON STEFFES, JAY GILLETTE,  
PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

### 11 - POOL DESIGN: SKETCH PLAN & SECTIONS WITH DIMENSIONS

INDOOR

OUTDOOR

SEE ATTACHED DRAWINGS

BUILT 1972, OPEN 1973

38TH SEASON

### 12 - OVERFLOW: NONE, SKIMMER POOL QUAN. 1A

Gutter, # drop-outs: \_\_\_\_\_, size: \_\_\_\_\_,  Surge weirs,  Automatic

Water level:  at rimflow,  \_\_\_\_\_ inches below rim flow,  center of skimmer,  Leaking

### 13 - DRAINS: CAST IRON CONSIDERABLE OXIDATION, CHUNKS IN H&L BASKET

#: 2, Size: 24X24, outlet pipe size: 8",  in pool bottom  in side wall

Grated,  Anti-vortex,  \_\_\_\_\_  scaled shut 4-12" X 12" GRATES IN EACH

### 14 - INLETS:

integral with gutter spacing: \_\_\_\_\_, size: \_\_\_\_\_,  inserts present

individual fittings ~ spacing: 16 Ft, #: 22, type: EYE BALL, distance below water: ~2 Ft

bottom inlets spacing: \_\_\_\_\_, #: \_\_\_\_\_, type: \_\_\_\_\_, distance below water: \_\_\_\_\_

scaled shut  1-1/2" individual lines  loop not complete?

### 15 - POOL SHELL & FINISH:

Cast conc.  Shot conc.  Stainless steel  Aluminum  Mild Steel  Liner & sand  Fiberglass

Ceramic Tile  Diamond Brite  Paint, type: \_\_\_\_\_  Plaster, type: \_\_\_\_\_

Hollow spots  Spalling  \_\_\_\_\_

Water Depths: shallow end: 3', slope: \_\_\_\_\_; transition water depth: 5';  Hopper bottom

Diving well depths; @ wall: 8', @ end of board: 11', @ drain: 11'

### 16 - IN POOL SAFETY EQUIPMENT:

Accent (width: \_\_\_\_\_)  Accent needed up side wall

Rope & floats Locations: BOTH WAYS FROM INSIDE ELL

### 17 - ACCESS INTO POOL:

1  Stairs (portable):  Accent Stripes (width: \_\_\_\_\_"):  Handrails (#: \_\_\_\_\_, )

Zero-Depth Entry with Gutter

4  Ladder:  recessed, figure 4 handrail

ADA accessible: type: \_\_\_\_\_

SECTION 2 -- FILTRATION

21 - FILTER SYSTEM:

[ ] DE media: [ ] Cartridge 530 GPM @ 15 GPM/SQ. FT.
[ ] R.R. Pressure Sand [X] H.R. Pressure Sand [ ] Vacuum Sand last sand change:
Manufacturer: TRITON Mdl.: TR 140 Condition: WORKING WADING POOL
Quantity: 5 Area: 35.35 (S.F. Ea.) Size: 36" 1-PAC FAB TR 60R
7.07 EA.

22 - GAUGES:

[ ] Influent Reading: [ ] Effluent Reading: [ ] Vacuum Reading:

23 - BACKWASH PROCEDURES:

Frequency: At pressure differential of: At vacuum reading of:
[ ] to grade [ ] to sanitary [ ] to storm [ ] air gap [ ] air gap needed
Backwash pit size:

24 - FILTER AIDS (Alum, etc.)

[ ]

SECTION 3 -- RECIRCULATION

31 - PUMP & MOTOR: OVER HEATING "FAN COOLED"

Type: Size: Quantity: Voltage: RPM: 1745
Manufacturer: Mdl.: Condition: Horsepower: 15
[ ] single phase [X] three phase [ ] NSF [ ] Press. Gauge [ ] Vac. Gauge WADING POOL 1 H.P.
3450 RPM W/ STRAINER

32 - PIPING: INCLUDE SIZES & TYPES MIX

[X] Cast iron [X] Galvanized [ ] PVC
1 - M.D. 8" CAST IRON 2 - 6" SKIMMER LINES TO 8" CAST IRON TEE
BOOSTER PUMP 1/2 H.P.
3450 RPM

33 - VALVES: INCLUDE SIZES & TYPES

[X] Cast iron [ ] PVC [ ] Corroded [ ] Needs replacement Sizes:
Type: [ ] Gear operated (size: ) [X] Lever operated (size: )

34 - HEATER:

1.44 M INPUT
Type: GAS FIRED Size: 1.2 M OUTPUT Quantity: 1
Manufacturer: LOCHINVAR Mdl.: Condition:
[ ] Thermometer; #: ; full flow: [ ] Yes, [ ] No; Manf: , Mdl.:

35 - SURGE CAPACITY:

[X] In Pool [ ] Surge Tank Type:
Dry well: ft (wide) x ft (long) x ft (dp) Capacity: (Gal)
[ ]

36 - STRAINER:

Size: 8" [X] Cast Iron [ ] Metal [ ] Stainless [ ] Fiberglass
Manufacturer: Model: [ ] corroded, needs replacement

37 - TURNOVER:

Actual: 450 GPM Required: 625 GPM [ ] Flowmeter needed [X] working
[ ] Flowmeter: type: IMPACT Manufacturer: , Model:
Possible Limiting Factors:

38 - WATER SUPPLY TO POOL:

2" FILL SPOUT, POOL SIDE, DEEP END
[ ] Water Level Controller / Auto Fill [ ] RPZ / Watts 9D [ ] Backflow Prevention Needed
[ ] WLC Needed [ ] Air Gap Size:

41 - AUTOMATED CONTROLLERS: NONE  
 Manufacturer: \_\_\_\_\_ Suction from: \_\_\_\_\_  
 Model #: \_\_\_\_\_ Rejection to: \_\_\_\_\_  
 Control of:  disinfectant  ph  \_\_\_\_\_

42 - SANITIZERS:  liquid  solid  gas BOOSTER PUMP  
 Type: CAPITAL CONTROLS Method of introduction: VACUUM  
 Quantity: \_\_\_\_\_ injection location: \_\_\_\_\_  ETL  
 Supplier: \_\_\_\_\_ Feeder Manf./ Mdl: \_\_\_\_\_  NSF

43 - pH CONTROL:  Acid  CO2  Soda Ash  Caustic Soda  
 Type: \_\_\_\_\_ Method of introduction: \_\_\_\_\_  
 Quantity: \_\_\_\_\_ injection location: \_\_\_\_\_  ETL  
 Supplier: \_\_\_\_\_ Feeder Manf./ Mdl: PULSA  NSF

44 - POOL WATER CONDITION:  clear  cloudy  Smell of Cl  
 Disinfectant PPM: \_\_\_\_\_ pH: \_\_\_\_\_ TDS: \_\_\_\_\_  
 ORP: \_\_\_\_\_ ALK: \_\_\_\_\_ C.H.: \_\_\_\_\_

45 - TYPICAL SANITATION PROCEDURES

51 - TESTING PROCEDURES:  
 Frequency: \_\_\_\_\_ Test type: TAYLOR Procedure: \_\_\_\_\_  
2005

52 - TRAINING CONDITIONS:  
 New hire procedures: \_\_\_\_\_  
 Training:  CPO  AFO  \_\_\_\_\_

- 53 - DOCUMENTATION:
- disinfectant  TDS  flow rate
  - free available  temperature  humidity
  - total  injuries  employee records
  - pH  Ca hardness  pump operating periods
  - ORP  chem. amounts  malfunctions
  - alkalinity  cyanuric acid  maintenance

54 - STANDARD OPERATIONAL PROCEDURES:  
 Backwash frequency: \_\_\_\_\_ duration: \_\_\_\_\_  
 Vacuuming freq.: \_\_\_\_\_ duration: \_\_\_\_\_  
 Pool brushing freq.: \_\_\_\_\_ duration: \_\_\_\_\_  
 Strainer cleaning freq.: \_\_\_\_\_ duration: \_\_\_\_\_  
 Deck cleaning freq.: \_\_\_\_\_ duration: \_\_\_\_\_

55 - CHEMICALS ON SITE: INCLUDE TYPES, BRANDS, LOCATION OF EACH & PROXIMITY TO OTHERS

- Chemical: CAUSTIC SODA used for: \_\_\_\_\_
- Chemical: GAS Cl2 used for: \_\_\_\_\_
- Chemical: \_\_\_\_\_ used for: \_\_\_\_\_
- Chemical: \_\_\_\_\_ used for: \_\_\_\_\_
- Chemical: \_\_\_\_\_ used for: \_\_\_\_\_

SECTION 6 -- ENVIRONMENTAL

61 - AIR HANDLING EQUIPMENT OR OUTDOOR FACTORS: EQUIPMENT ROOM, BATHHOUSE, ETC

62 - TYPICAL BATHER LOAD: INCLUDE AGE, TYPE OF USE, SCHEDULED EVENTS, ETC.

[ ] heavy [ ] light daily #: \_\_\_\_\_ Peak #: \_\_\_\_\_
Ages: \_\_\_\_\_ [ ] swim lessons [ ] open swim [ ] rentals

63 - MAKEUP & SOURCE WATER:

[ ] potable [ ] \_\_\_\_\_ Chlorine: free: \_\_\_\_\_ Combined: \_\_\_\_\_
pH: \_\_\_\_\_ TDS: \_\_\_\_\_ Hardness: \_\_\_\_\_
ALK: \_\_\_\_\_ C.H.: \_\_\_\_\_ [ ] Iron [ ] Manganese

64 - AIR TEMP. RANGE & WEATHER CONDITIONS:

Air temp.: \_\_\_\_\_

65 - FENCING/PERIMETER: INCLUDE SIZE, MESH, DOORS, GATES, ETC. SEE DRAWING

Fence height: 6 FT mesh size: 2" [ ] barbed wire TOP
Gate location: \_\_\_\_\_ [ ] emergency access
5" BOTTOM GAP EXCEEDS CODE - 2" MAX.

66 - ANY NOTED FEATURES:

[ ] Cover [ ] evergreens [ ] trees w/ leaves [ ] wind barrier [ ] \_\_\_\_\_
[ ] \_\_\_\_\_

SECTION 7 -- SUPPORT FACILITIES

71 - PATRON CONTROL/SUPPORT:

[X] Admissions area [ ] Lifeguard station [ ] Lifeguard restroom [ ] Managers office
[ ] First aid office [ ] Family change room [ ] \_\_\_\_\_ [ ] \_\_\_\_\_

72 - RESTROOM/LOCKER ROOM:

[ ] Lockers - Qty men: \_\_\_\_\_ ; women: \_\_\_\_\_ Size: \_\_\_\_\_
[ ] Benches - matl: \_\_\_\_\_
[ ] Suit dryer hand dryer: [ ] paper [ ] air [ ] roll towel
[ ] Baby change station - locations: \_\_\_\_\_
M W UNI
W/C 2 2 3 4
Urin. 2 2 - -
Lav 2 2 2 2
Shower 5 4 4 4

73 - CONCESSIONS: POINT OF SALE; MUST GO OUTSIDE TO ADMISSIONS

[ ] Seating for \_\_\_\_\_ people [ ] physically separated - dimensions: \_\_\_\_\_
[ ] drinking fountain [ ] vending machines items available:

74 - NATATORIUM: DEGRADATION, ETC. ADJACENT BUILDING, COMMUNITY BUILDING

ORIGINAL WARMING HOUSE
BIKE SHOP, COMMUNITY ED USE, YOGA

75 - MISC.: STORAGE, ETC.

[ ] Storage - dimensions: \_\_\_\_\_
[ ] NEED TWO TENNIS COURTS ON WEST SIDE
OUT FROM DIVING ELL

SECTION 8 -- DECK & AMENITIES

81 - DECKS: SPACE, PATRON FLOW, GRASS, ETC.

Surface: BROOMED CONCRETE Width: SEE DRAWING Comments: SHIFTING W/ TOE STUMBERS

82 - PLAY FEATURES: SLIDES, FOUNTAINS, DRY SAND PLAY, VOLLEYBALL, ETC.

- [ ] Flume slide - Qty: \_\_\_; [ ] open; [ ] enclosed; [ ] body; [ ] speed; [ ] intertube; Lengths: \_\_\_
[ ] Drop slide - drop height: \_\_\_ [ ] volleyball
[ ] Spray features - type: \_\_\_ [ ] basketball
[ ] Water walk - type: \_\_\_ [ ] kiddie slide - type: \_\_\_
[ ] Play Structure - type: \_\_\_ [ ]
[ ] Dry sand area [ ] Wet sand area

83 - COMPETITIVE EQUIPMENT:

- [ ] Diving Board - Qty: 2 height (1): 1 MTR, height (2): 1/2 MTR, height (3): \_\_\_ X water depths acceptable FOR RECREATIONAL DIVING ONLY
[ ] Starting blocks; water depth: \_\_\_ # of Lanes: 6 Lane widths: 8 FT
[ ] Race lines - type: \_\_\_ size: \_\_\_
[ ] Water Polo
[ ] Timing System: [ ] Daktronix; [ ] Colorado

84 - SHADE: TYPE OF STRUCTURE, NUMBER, LOCATION, ETC.

- [ ] umbrella - type: \_\_\_; size: \_\_\_ [ ] permanent structure- dimensions: \_\_\_
[ ] canopy - dimensions: \_\_\_ X NONE

85 - ON-DECK SAFETY FEATURES: LIFEGUARD CHAIRS, DEPTH MARKERS, NO DIVING, SAFETY EQUIPMENT, ETC.

- X Depth Markers: Ends, \_\_\_ Sides, \_\_\_ Trans., # Size: \_\_\_, letter size: 4" location needed: WALK-IN STAIRS
[ ] "NO DIVING": [ ] Universal tile, [ ] 4" letters : location needed: ALL
[ ] Safety Equipment: shep. crook: \_\_\_ (\_\_\_ req.) ring buoy w/ rope: \_\_\_ (\_\_\_ req.)
back board: \_\_\_ (\_\_\_ req.) rescue tube: \_\_\_ (\_\_\_ req.)
X Lifeguard Chairs - # Required: \_\_\_, # present: 3, X Fixed - deck ht.: 5 FT, [ ] Portable-deck ht.: \_\_\_
[ ] First Aid Kit [ ] Telephone

86 - LIGHTING

- [ ] Underwater lights - dry-niche X Underwater lights - wet-niche 6 (4) 2 LAMP LIGHT POOLS
[ ] Area Lighting (ft candles: \_\_\_) [ ] Security Lighting Only

SECTION 9 -- FACILITY

91 - LOCATION:

- [ ] Groundwater issues [ ] [ ]

92 - PARKING: BUS, CAR, SURFACE, ADEQUATE, DROP-OFF, ETC.

- X Drop-off area [ ] ADA parking; Qty: 1 [ ] Bus parking; Qty: NONE
[ ] Car Parking; Qty: 21 [ ] Adequate X Not adequate

93 - ACCESSIBILITY:

- X Parking to bathhouse X Bathhouse X Bathhouse to pool [ ] Pool

94 - UTILITIES:

- Electrical: [ X 3 ph., [ ] 1 ph., Voltage: \_\_\_ [ ] Potable water - size: \_\_\_
[ ] Sanitary sewer - size: \_\_\_ [ ] Storm sewer - size: \_\_\_ [ ] Natural gas [ ] Propane

95 - ADDITIONAL NOTES:

**SWIMMING  
POOL**

**DIMENSIONS:**

SHALLOW WATER (< 5 FT)	( Ft.)	82'-1 1/4" X 50'-0"	W/4' X 8'
DEEP WATER (> 5 FT)	( Ft.)	42' X 35'	WALK-IN STAIRS

**SURFACE AREA:**

SHALLOW WATER (< 5 FT)	(in sq. Ft.)	<del>84' X 41' = 3444</del>	4053.21
DEEP WATER (> 5 FT)	(in sq. Ft.)	<del>1470.00</del>	1554.00
<b>TOTAL</b>		<u>5607.21</u>	<u>5607.21</u>

OFF-SET

**SURGE CAPACITY:**

REQUIRED	(in gal.)	5607
SUPPLIED IN-POOL	(in gal.)	5607

**PERIMETER:**

(in ft.) 342 FT. 2 1/2 IN.

**POOL CAPACITY:**

(in gal.) 229,800 CALCULATED  
227,000 BY POOL OPERATOR / METER

**TURNOVER: BASED ON 227,000 GALS**

REQUIRED	(hours)	6 HR.
ACTUAL	(hours)	8.4 HR.

**RATE OF FLOW:**

FLOW RATE REQUIRED	(in gpm)	630
ACTUAL RATE OF FLOW	(in gpm)	450 BY POOL OPERATOR / FLOW METER

**MAIN DRAIN FLOW RATE:**

(Ft./s.) ≈ 5 FT/SEC.

**FILTER SIZE:**

(Squ. Ft.) 35.35

**FILTER FLOW RATE:**

(gpm/Squ.ft.) 12.73 @ 450 17.82 @ 630

**SUCTION CHAMBER VELOCITY: (Ft./s.)**

N/A

**BATHER LOAD:**

SHALLOW WATER	(per pool code)	270
DEEP WATER	(per pool code)	60
<b>TOTAL</b>		<u>330</u>
WADING POOL		25
<b>TOTAL W/WADING POOL</b>		<u>355</u>

~~SWIMMING~~ WADING  
POOL

DIMENSIONS:

SHALLOW WATER (< 5 FT) (Ft.)

~~DEEP WATER (> 5 FT) (Ft.)~~

2  
20' x 20'

SURFACE AREA:

SHALLOW WATER (< 5 FT) (in sq. Ft.)

~~DEEP WATER (> 5 FT) (in sq. Ft.)~~

TOTAL

2  
400

1-SKIMMER

4-INLETS

2-M.D. 8" DIA

SURGE CAPACITY:

REQUIRED (in gal.) 400

SUPPLIED IN POOL (in gal.) 400

PERIMETER:

(in ft.) 80

POOL CAPACITY:

(in gal.) ≈ 4000

TURNOVER:

REQUIRED (hours) 2

ACTUAL (hours) 1.2

RATE OF FLOW:

FLOW RATE REQUIRED (in gpm) 60 MIN.

ACTUAL RATE OF FLOW (in gpm) 60

MAIN DRAIN FLOW RATE:

(Ft./s.)

FILTER SIZE:

(Squ. Ft.) 3.14

FILTER FLOW RATE:

(gpm/Squ.ft.) 19.1

SUCTION CHAMBER VELOCITY: (Ft./s.)

BATHER LOAD:

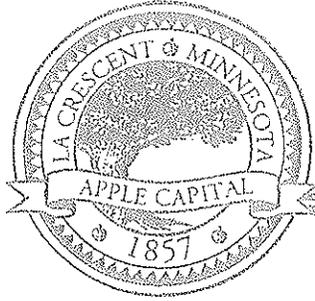
SHALLOW WATER (per pool code) 25

~~DEEP WATER (per pool code)~~

TOTAL w/ 355

SWIMMING  
POOL





CITY OF LA CRESCENT  
315 MAIN STREET  
P.O. BOX 142  
LA CRESCENT, MN 55947

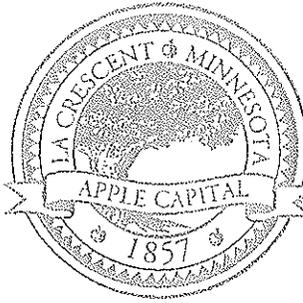
507-895-2595  
FAX: 507-895-8694  
E-MAIL: cityoflacrescent@applecap.com

TO: Honorable Mayor and City Council Members  
Park and Recreation Commission Members  
FROM: Bill Waller, City Administrator  
DATE: April 9, 2009  
RE: Meeting Minutes  
March 8, 2009

The La Crescent Park and Recreation Commission met at 5:30 p.m., on Wednesday, April 8<sup>th</sup>, 2009, in the City Council Chambers at City Hall. The following members were present: Eileen Krenz and Jon Steffes. Commission members Randy Dobbs and Mike Limberg were not in attendance. Also present at the meeting were Mike Poellinger, Joy Rockwell, Dale Williams, Mike Albrecht, Jay Gillette and Bill Waller.

1. Mike Albrecht, Jay Gillette and Jon Steffes reviewed with the Commission the condition of the La Crescent swimming pool, and discussed modifications necessary for the pool to open in 2009.
2. Information was presented to the Commission regarding the indoor pool that is included in the community center planning that the School District has prepared.
3. It was the consensus of the Commission members to develop a request for proposals to distribute to swimming pool engineering firms to evaluate the condition of the existing pool as well as do preliminary cost estimates regarding a new outdoor pool facility for the community.
4. Summer Recreation Director Jon Steffes reviewed the 2009 summer recreation program with the Commission.
5. Information was presented to the Commission regarding the improvements completed at Old Hickory Park, and what is proposed for improvements at Old Hickory Park in 2009.
6. The Commission was updated on the MnDOT Landscaping Program grant that the City has received for tree planting at the community entrance between Main Street and South 3<sup>rd</sup> Street.
7. The Commission was updated on the proposed donation of a 62 acre parcel of property to the City as park property.
8. The Commission reviewed the 1994 Comprehensive Park and Recreation Plan and discussed updating the plan in 2010.
9. The Commission had preliminary discussion regarding the development of a dog park in the community.

10. The Commission was updated on the status of the Safe Routes to school project, and the development of a water front area adjacent to the new MnDOT bridge.
11. There being no further business to discuss, the meeting was adjourned at approximately 7:00 pm.



CITY OF LA CRESCENT  
315 MAIN STREET  
P.O. BOX 142  
LA CRESCENT, MN 55947

507-895-2595  
FAX: 507-895-8694  
E-MAIL: [cityoflacrescent@applecap.com](mailto:cityoflacrescent@applecap.com)

TO: Honorable Mayor and City Council Members  
Park and Recreation Commission Members  
FROM: Bill Waller, City Administrator  
DATE: May 5, 2009  
RE: Meeting Minutes  
May 4, 2009

The La Crescent Park and Recreation Commission met at 7:00 p.m., on Monday, May 4<sup>th</sup>, 2009, at the La Crescent Swimming Pool at Frank J. Kistler Memorial Park. The following members were present: Mike Limberg, Eileen Krenz, Dandy Dobbs and Jon Steffes. Also in attendance were Joy Rockwell, Mike Albrecht, Jay Gillette, Alison Baudek, Diana Adamski and Bill Waller.

1. The Commission toured the swimming pool and bath house facility and reviewed the condition of these structures, and discussed the deficiencies and needed repairs in each of these structures.
2. The Commission further discussed seeking proposals to evaluate the condition of the existing pool and bath house facility to evaluate whether it is feasible to repair these structures and at what cost, and to develop an alternative(s) and cost estimates regarding a new outdoor swimming pool facility.
3. It was the consensus that the next meeting of the Park and Recreation Commission would be to review the proposals that are obtained.
4. There being no further business to discuss, the meeting was adjourned at approximately 8:15 p.m.

REQUEST FOR PROPOSALS  
CITY OF LA CRESCENT  
SWIMMING POOL EVALUATION  
JUNE 2009

INTRODUCTION:

The City of La Crescent swimming pool is an outdoor facility located at Frank J. Kistler Memorial Park. The swimming pool is operated from early June through the end of August. The swimming pool and bath house facility were constructed and first opened for use in 1973. The facility includes the main swimming pool which is 5,570 square feet and holds approximately 227,000 gallons of water, and the "baby pool" which is 400 square feet in size. The bath house structure is a 2,108 square foot building that includes the mechanical room for the pool, along with locker rooms and shower facilities.

PROJECT DESCRIPTION:

The La Crescent Park and Recreation Commission is requesting proposals that will evaluate two alternatives. The first alternative would be to rejuvenate the existing swimming pool/bath house facility, and bring the facility into compliance with current codes and standards. The second alternative would be to construct a new swimming pool, and if necessary bath house, at or near the site of the existing swimming pool at Frank J. Kistler Memorial Park.

PROPOSAL DEADLINE:

The dead line to submit a proposal is 11:00 a.m., on Wednesday, June 24<sup>th</sup>, 2009. Proposals are to be submitted in a sealed envelope, clearly labeled La Crescent Swimming Pool – Request for Proposals, and delivered to the La Crescent City Hall, 315 Main Street, La Crescent, MN 55947, c/o Bill Waller, City Administrator. Proposals should include a reference to relevant pool experience which may have application to the La Crescent Swimming Pool project. Please submit 10 copies of your proposal.

INFORMATION:

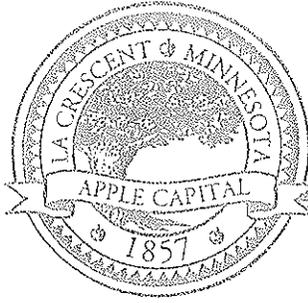
For more information, or to visit the site, contact Mike Albrecht, Utility Maintenance Supervisor, Jon Steffes, Summer Recreation Director, or Bill Waller, City Administrator, at (507) 895-2595.

TO: Honorable Mayor and City Council Members  
Park and Recreation Commission Members  
FROM: Bill Waller, City Administrator   
DATE: September 24, 2009  
RE: Meeting Minutes  
September 23, 2009

The La Crescent Park and Recreation Commission met at 5:00 p.m., on Wednesday, September 23, 2009, in the City Council Chambers at the La Crescent City Hall. The following members were present: Mike Limberg, Eileen Krenz, Alison Baudek, Randy Dobbs, Sue Howe, and Jon Steffes. Commission member Diana Adamski was not in attendance. Also in attendance were City Council member Joy Rockwell and City administrator Bill Waller.

1. It was the consensus of the Commission to approve the minutes of the May 4<sup>th</sup>, 2009 Park and Recreation Commission meeting as presented.
2. The Commission reviewed the four proposals that were received to provide professional services to the City to evaluate and make recommendations and costs estimates regarding the La Crescent swimming pool. There were four proposals received, and it was the consensus of the Commission to invite two of the firms in for an interview prior to making a selection.
3. Wes Drye was in attendance at the meeting to review the proposed trail development plan for Eagles Bluff Park that he has been working to develop. After reviewing the development of the proposed trail it was the consensus of the Commission to recommend that the trail plan be approved and forwarded to the Minnesota Land Trust, and to recommend that Mr. Drye in conjunction with a group of volunteers begin to work on developing trails number 4 and 5. Further, as there is some discrepancy regarding the south park boundary of Eagles Bluff Park, it was the consensus of the Commission to recommend that the City accept a proposal submitted by Blumentritt Land Surveying to locate that boundary so that the trail is constructed on land owned by the City.
4. City Summer Recreation Director Jon Steffes reviewed with the Commission the 2009 summer recreation program, including the 1<sup>st</sup> annual youth triathlon.
5. The Safe Routes to School project and the Wagon Wheel project were both reviewed with the Commission.

6. Various other projects throughout the community were reviewed with the Commission. These included the Walnut Street improvements, the improvements at Old Hickory Park, including the new donated basketball court, and the proposed land donation.
7. The Commission had discussion on the development of a new dog park, and is still considering locations for such a facility. The only site identified at the meeting was at the City's maintenance facility, adjacent to the new Animal Rescue facility.
8. There being no further business to discuss, the meeting was adjourned at approximately 6:30 p.m.



CITY OF LA CRESCENT  
315 MAIN STREET  
P.O. BOX 142  
LA CRESCENT, MN 55947

507-895-2595  
FAX: 507-895-8694  
E-MAIL: [cityoflacrescent@applecap.com](mailto:cityoflacrescent@applecap.com)

TO: Honorable Mayor and City Council Members  
Park and Recreation Commission Members  
FROM: Bill Waller, City Administrator *Bill*  
DATE: June 24, 2010  
RE: Meeting Minutes  
June 22, 2010

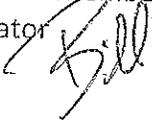
The La Crescent Park and Recreation Commission met at 5:00 p.m., on Tuesday, June 22, 2010, in the City Council Chambers at the La Crescent City Hall. The following members were present: Eileen Krenz, Alison Baudek, Diana Adamski, Sue Howe, and Jon Steffes. Commission member Randy Dobbs and Mike Limberg were not in attendance. Also in attendance were City Council member Joy Rockwell and City Administrator Bill Waller, and Dale Williams.

1. The commission considered presentations by US Aquatics and Burbach Aquatics regarding their proposals to evaluate the City swimming pool. It was the consensus of the Park and Recreation Commission to recommend that the City Council accept the proposal submitted by US Aquatics.
2. It was the consensus of the Commission to approve the minutes of the September 23, 2009 Park and Recreation Commission meeting as presented.
3. Jon Steffes, Summer Recreation Director, reviewed the 2010 summer recreation program.
4. The Commission reviewed a request by Lancer Youth Baseball to donate funds towards a baseball backstop at Old Hickory Park. Discussion followed regarding the use of the ballfield at Veterans Park, and the participation levels for baseball/softball and soccer, and that this information would be presented at a future Commission meeting.
5. The landscaping projects and the Wagon Wheel project were both reviewed with the Commission.
6. Various other projects throughout the community were reviewed with the Commission. These included an update on a proposed land donation, along with the development of a dog park.
7. The Commission had discussion regarding expanding the membership for purposes of working on the pool project. This will be considered at the next meeting.
8. There being no further business to discuss, the meeting was adjourned at approximately 8:00 p.m.

TO: Honorable Mayor and City Council Members  
Park and Recreation Commission Members  
FROM: Bill Waller, City Administrator   
DATE: August 3, 2010  
RE: Meeting Minutes  
August 2, 2010

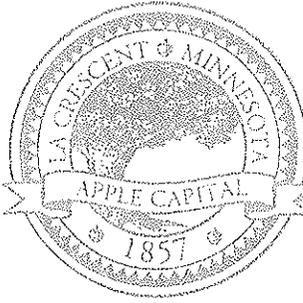
The La Crescent Park and Recreation Commission met at 4:30 p.m., on Monday, August 2, 2010, in the City Council Chambers at the La Crescent City Hall. The following members were present: Alison Baudek, Diana Adamski, Mike Limberg, Eileen Krenz, Sue Howe, and Jon Steffes. Commission member Randy Dobbs was not in attendance. Also in attendance were City Council member Joy Rockwell, City Administrator Bill Waller, City maintenance department employees Mike Albrecht and Jay Gillette, and Tom Schaefer and Aaron Hunter from USAquatics.

1. It was the consensus of those in attendance at the meeting, to approve the minutes of the June 22, 2010, and July 21, 2010, Park and Recreation Commission meetings.
2. After introductions of the representatives from USAquatics, a review of the project assessment was conducted. A preliminary review of the existing pool was presented, with a final review to be presented at a future meeting. Discussion was had regarding the various alternatives that may be included in any of the pool options that are presently being evaluated. It was also suggested that space be included in the overall programming for new tennis courts, and that these costs be included in the overall costs for any future improvement project.
3. The next meeting date was set for September 14, 2010, at 4:30.
4. There being no further business to discuss, the meeting was adjourned at approximately 7:00 p.m.

TO: Honorable Mayor and City Council Members  
Park and Recreation Commission Members  
FROM: Bill Waller, City Administrator   
DATE: September 15, 2010  
RE: Meeting Minutes  
September 14, 2010

The La Crescent Park and Recreation Commission met at 4:30 p.m., on Tuesday, September 14, 2010, in the City Council Chambers at the La Crescent City Hall. The following members were present: Alison Baudek, Diana Adamski, Mike Limberg, and Jon Steffes. Commission members Sue Howe, Eileen Krenz, and Randy Dobbs were not in attendance. Also in attendance were City Council member Joy Rockwell, City Administrator Bill Waller, City maintenance department employee Jay Gillette, and Tom Schaefer and Aaron Hunter from USAquatics.

1. It was the consensus of those in attendance at the meeting, to approve the minutes of the August 2, 2010, Park and Recreation Commission meeting.
2. USAquatics representatives reviewed the pool survey and operations report, as well as the cost to renovate the existing pool. Alternatives and cost estimates were presented regarding new pool options. Discussion followed, and it was the consensus of those present that alternative sp 1, was the preferred alternative. It was agreed that alternative sp1 would be modified based upon the comments that were presented at the meeting, and that a revised plan would be prepared for the next meeting.
3. There being no further business to discuss, the meeting was adjourned at approximately 7:00 p.m.



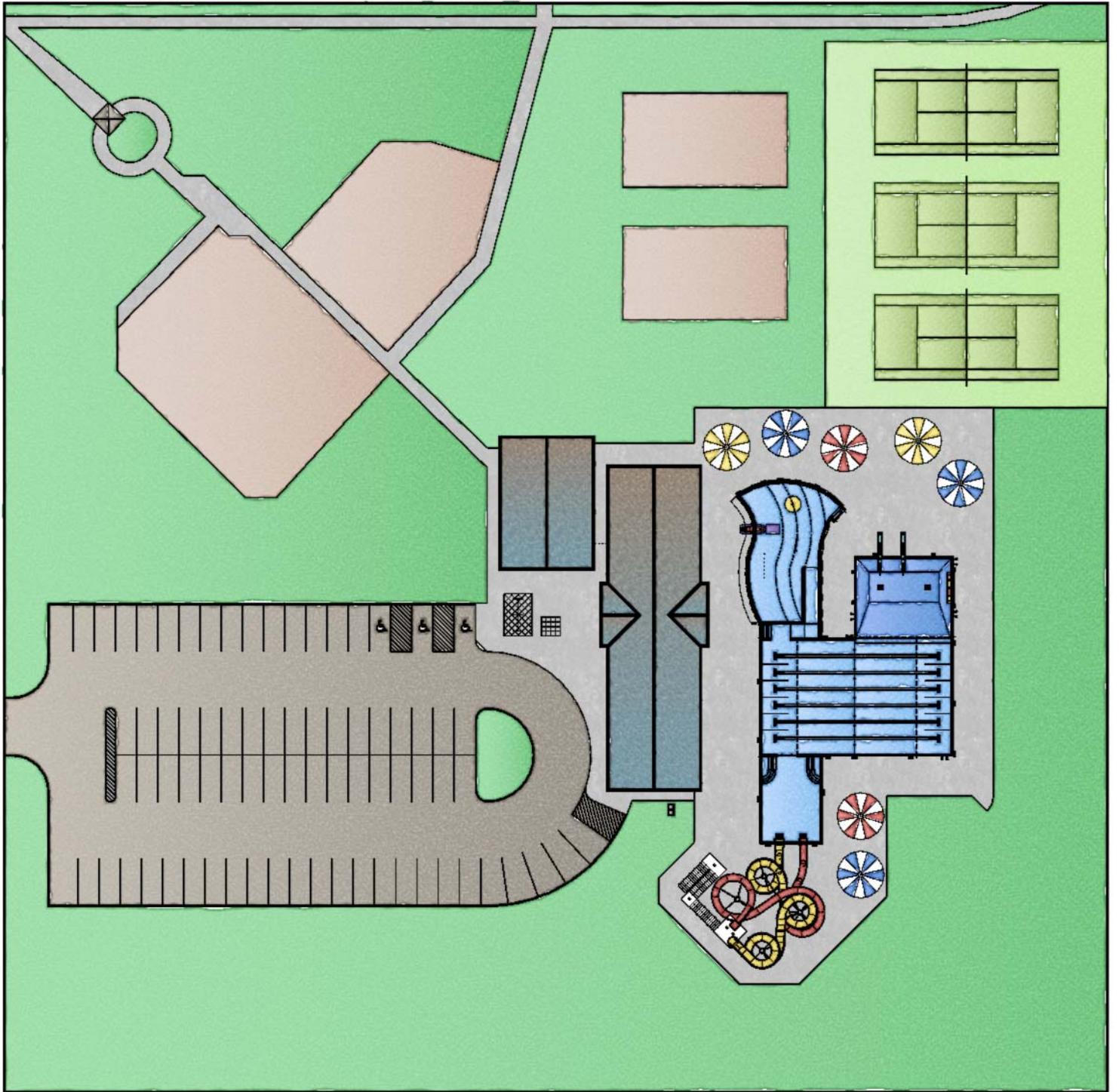
CITY OF LA CRESCENT  
315 MAIN STREET  
P.O. BOX 142  
LA CRESCENT, MN 55947

507-895-2595  
FAX: 507-895-8694  
E-MAIL: cityoflarescent@applecap.com

TO: Honorable Mayor and City Council Members  
Park and Recreation Commission Members  
FROM: Bill Waller, City Administrator *Bill*  
DATE: November 16, 2010  
RE: Meeting Minutes  
November 15, 2010

The La Crescent Park and Recreation Commission met at 4:30 p.m., on Monday, November 15, 2010, in the City Council Chambers at the La Crescent City Hall. The following members were present: Diana Adamski, Mike Limberg, Eileen Krenz, Randy Dobbs, and Jon Steffes. Commission members Sue Howe and Alison Baudek were not in attendance. Also in attendance were Mayor Mike Poellinger, City Council member Joy Rockwell, City Administrator Bill Waller, City maintenance department employees Mike Albrecht and Jay Gillette, and Tom Schaefer and Aaron Hunter from USAquatics.

1. It was the consensus of those in attendance at the meeting, to approve the minutes of the September 14, 2010, Park and Recreation Commission meeting.
2. USAquatics representatives reviewed the final three pool alternatives, and it was the consensus of the Commission that the preferred option was option B. It was also the consensus of the Commission that the proposed bath house alternative, with modifications, was the preferred alternative.
3. The Commission agreed that the final site plan should also provide for tennis courts and an expanded parking lot. A rough draft of the final report will be prepared within the next few weeks. The Commission was informed by City maintenance staff that the existing pool is currently losing approximately 1' of water per week from the structure.
4. It was agreed that the next meeting of the Commission would be scheduled after the draft of the final report is completed.
5. The Commission reviewed a request for proposals to update the City's 1994 Comprehensive Park and Recreation Plan. It was the consensus of the Commission to recommend that the rfp be approved by the City Council, and that it be distributed to planning firms.
6. There being no further business to discuss, the meeting was adjourned at approximately 6:00 p.m.



251131000

251132000

251133000

251134000

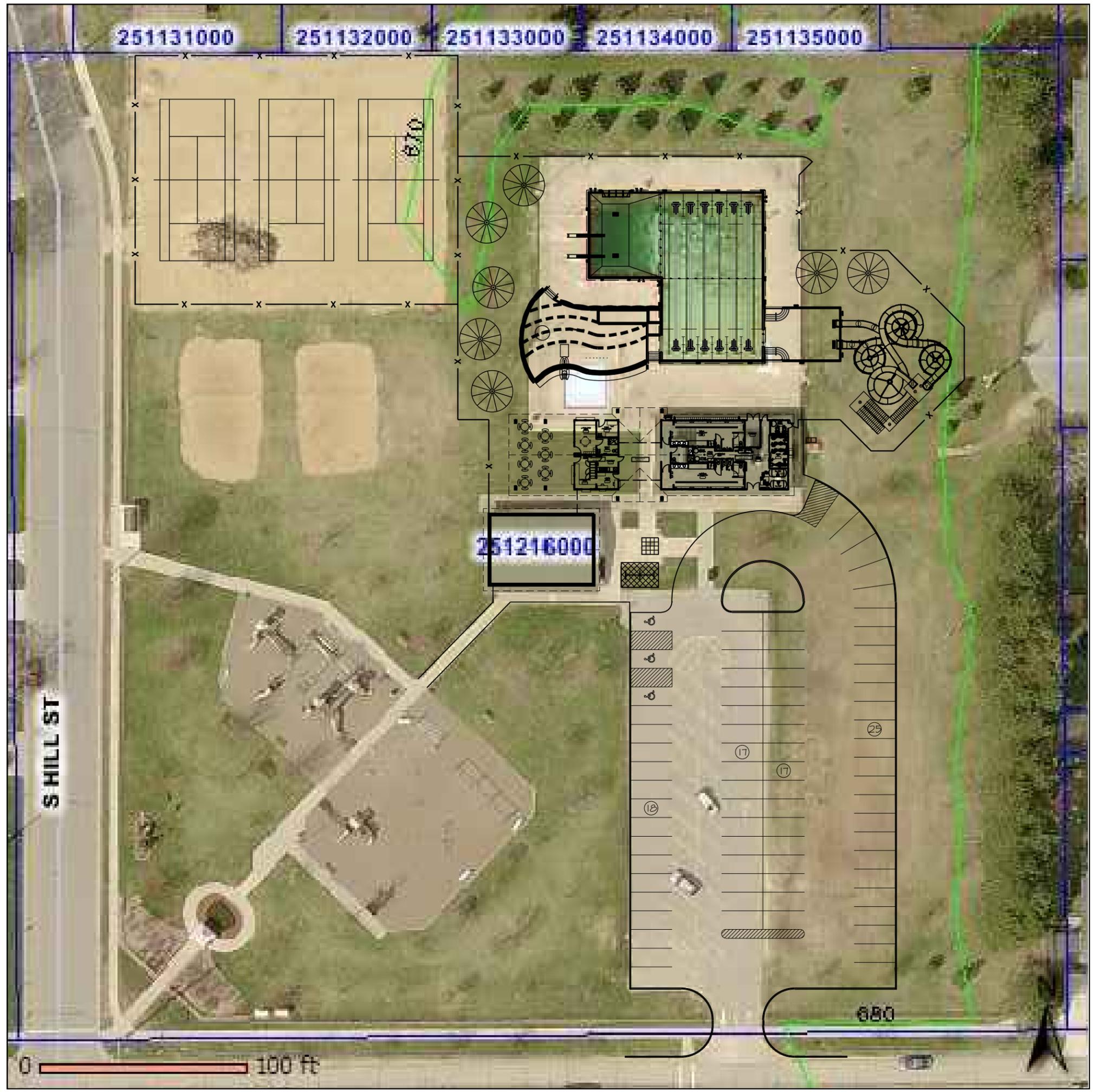
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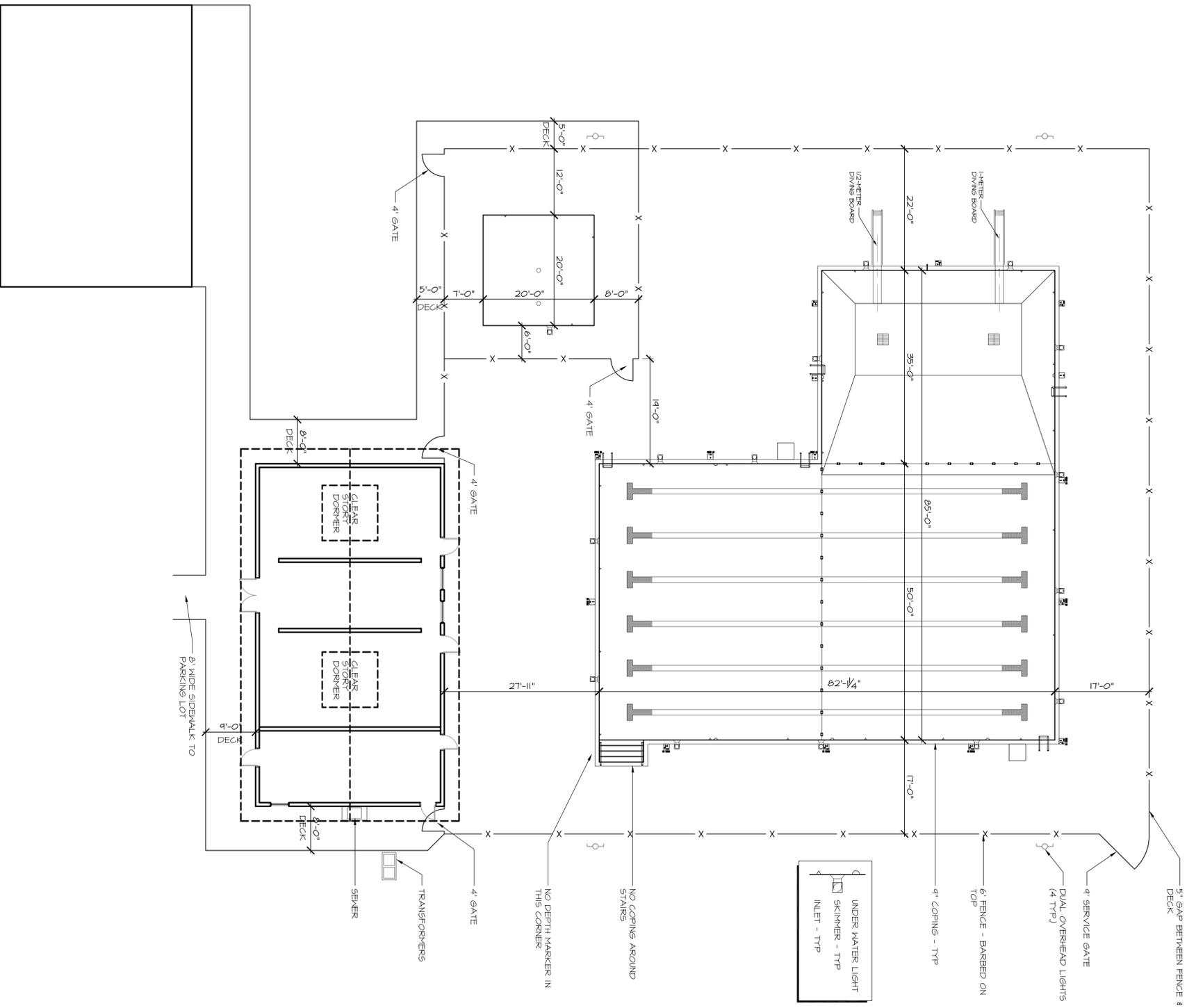
S HILL ST

251216000

880

0 100 ft





UNDER WATER LIGHT  
SKIMMER - TYP  
INLET - TYP

**USAQUATICS**  
184 BRIDGE AVE. E, P.O. BOX 86 DELAWARE, MN 55328  
PHONE: (763)972-5897 FAX: (763)972-5864  
WWW.USAQUATICSINC.COM  
AQUATIC ENGINEERING

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Minnesota.  
Signature: \_\_\_\_\_  
License #: \_\_\_\_\_  
Date: \_\_\_\_\_

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**LA CRESCENT SWIMMING POOL**  
LA CRESCENT, MN

Revisions

NO.	DATE	DESCRIPTION

Notes

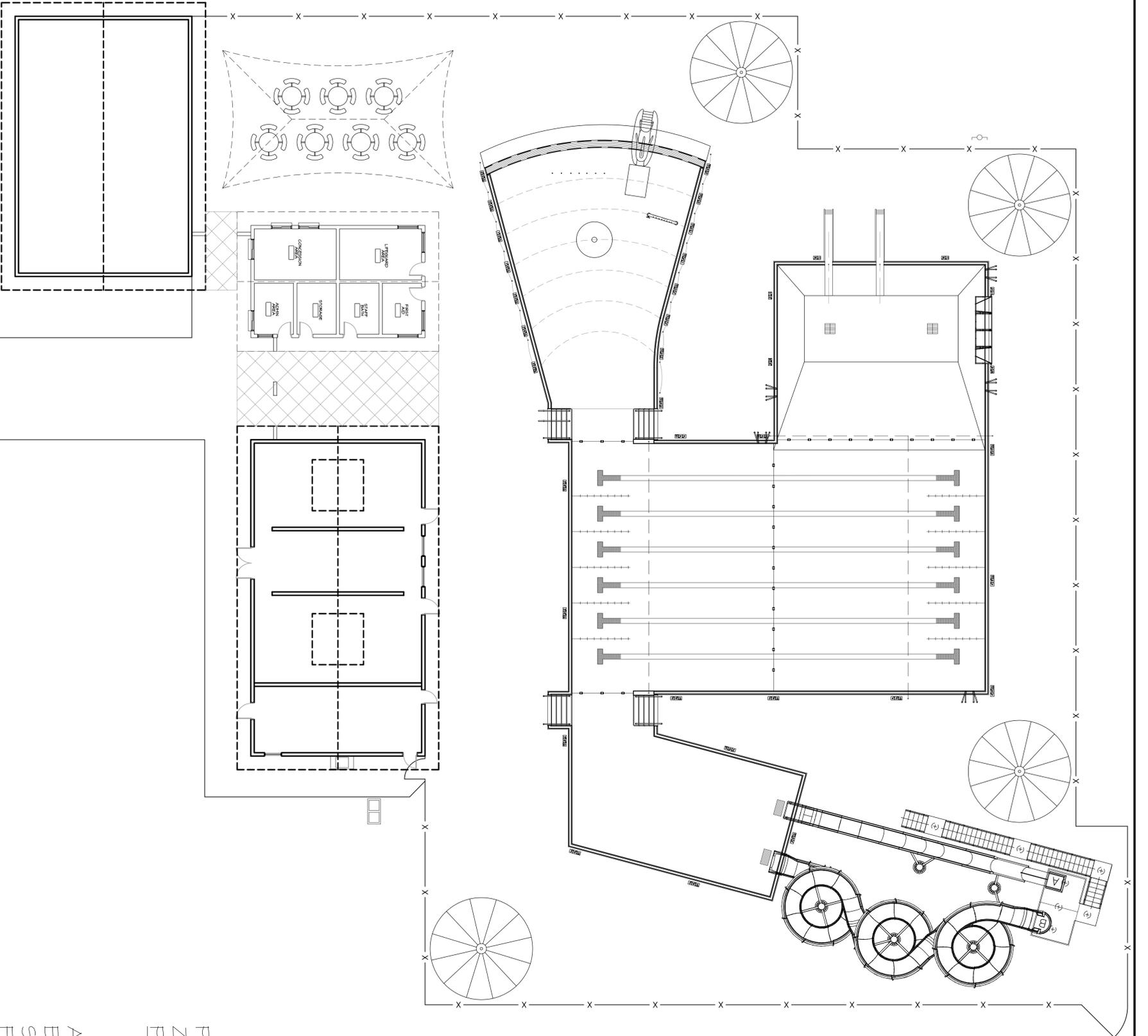
NO.	DATE	DESCRIPTION

EXISTING SITE PLAN

PROJECT NUMBER:	LC10028
DRAWN BY:	SMS
CHECKED BY:	NMN
PROJECT MANAGER:	WGD
DATE:	08-31-2010

**SPO**  
SHEET NO.

1  
3/32" = 1'-0"  
OVERALL SITE PLAN - OPTION ONE



I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed engineer under the laws of the State of Minnesota.

Signature: \_\_\_\_\_  
 License #: \_\_\_\_\_  
 Date: \_\_\_\_\_

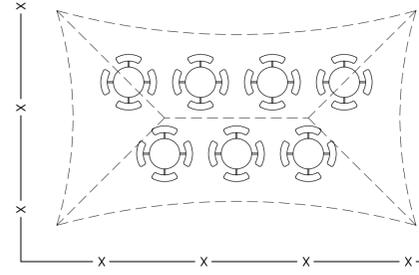
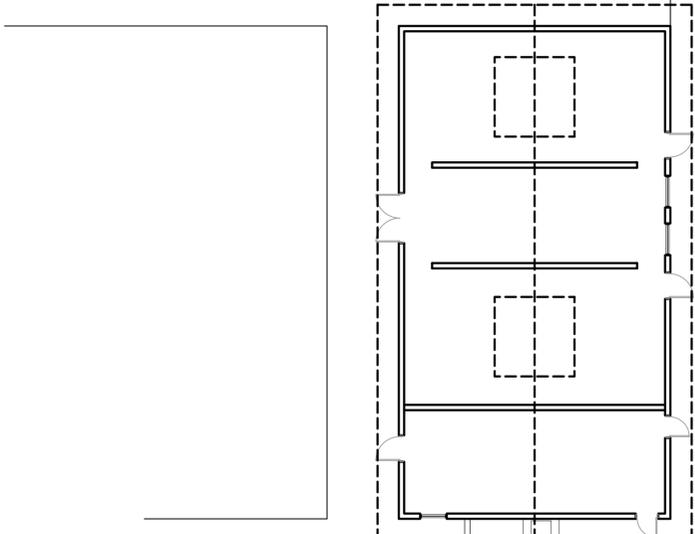
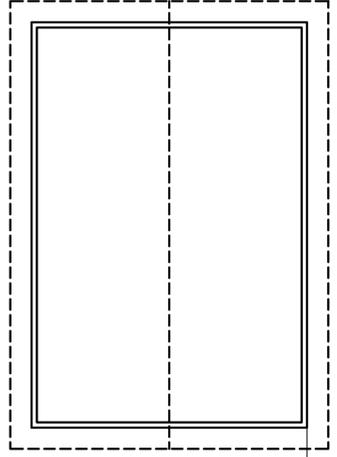
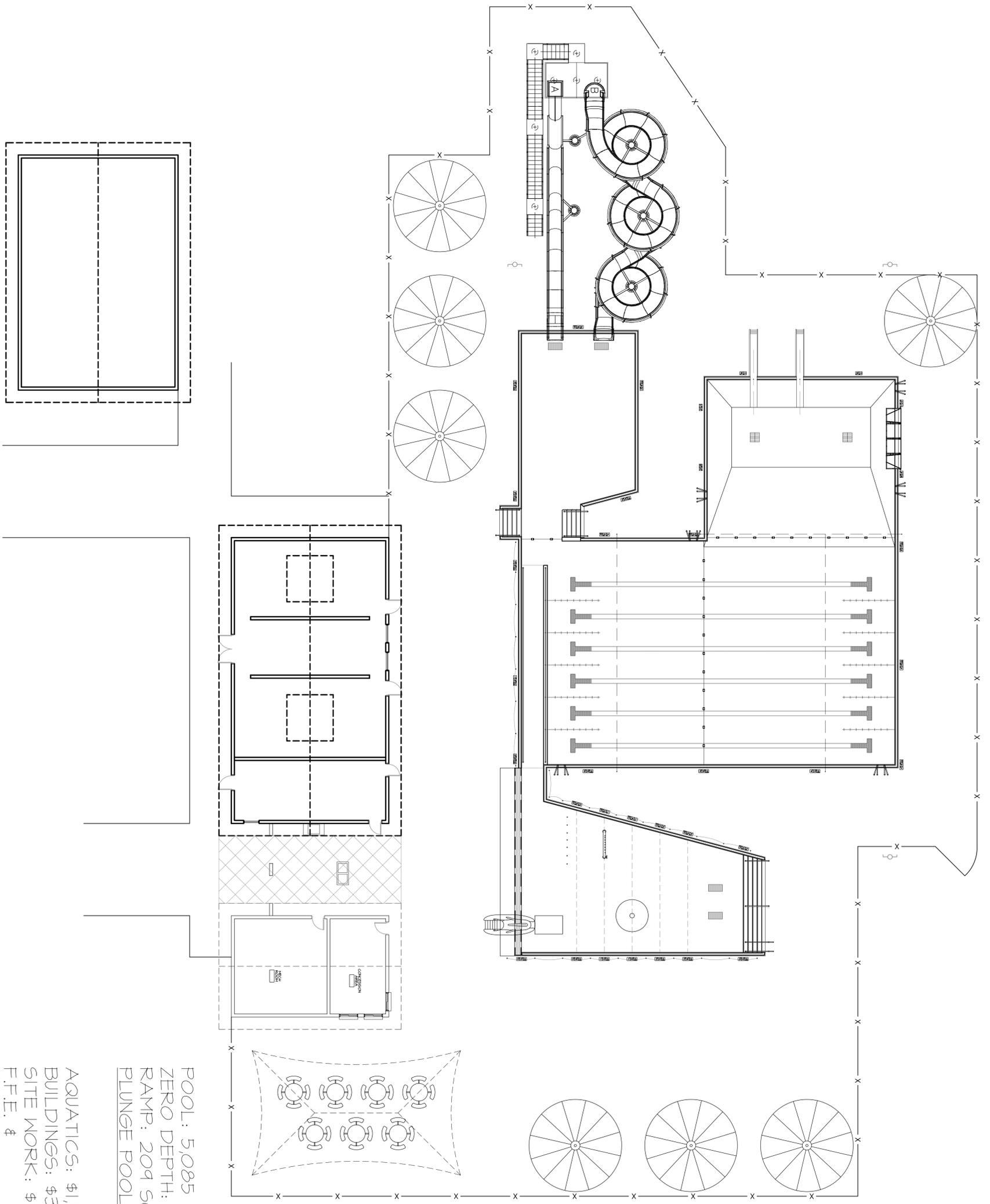
POOL: 5,327 SQ. FT.  
 ZERO DEPTH: 1,617 SQ. FT.  
 PLUNGE POOL: 1,165 SQ. FT.  
 8,109 TOTAL SQ. FT.

AQUATICS: \$1,200,000.00  
 BUILDINGS: \$370,000.00  
 SITE WORK: \$280,000.00  
 F.F.E. \$  
 PRO FEES: \$420,000.00  
 \$2,270,000.00

	OVERALL SITE PLAN - OPTION ONE	PROJECT NUMBER: LC10028	Revisions . . . . .	LA CRESCENT SWIMMING POOL LA CRESCENT, MN	ALL RIGHTS RESERVED	I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed engineer under the laws of the State of Minnesota. Signature: _____ License #: _____ Date: _____	
	SHEET TITLE SP1 SHEET NO.	DRAWN BY: SMS	CHECKED BY: NMM	Notes REVISIONS & NOTES	PROJECT MANAGER: WJG	DATE: 09-09-2010	124 BRIDGE AVE. E, P.O. BOX 86 DELAWARE, MN 55328 PHONE: (763)972-5897 FAX: (763)972-5864 WWW.USAQUATICSINC.COM AQUATIC ENGINEERING

1  
3/32" = 1'-0"

OVERALL SITE PLAN - OPTION TWO

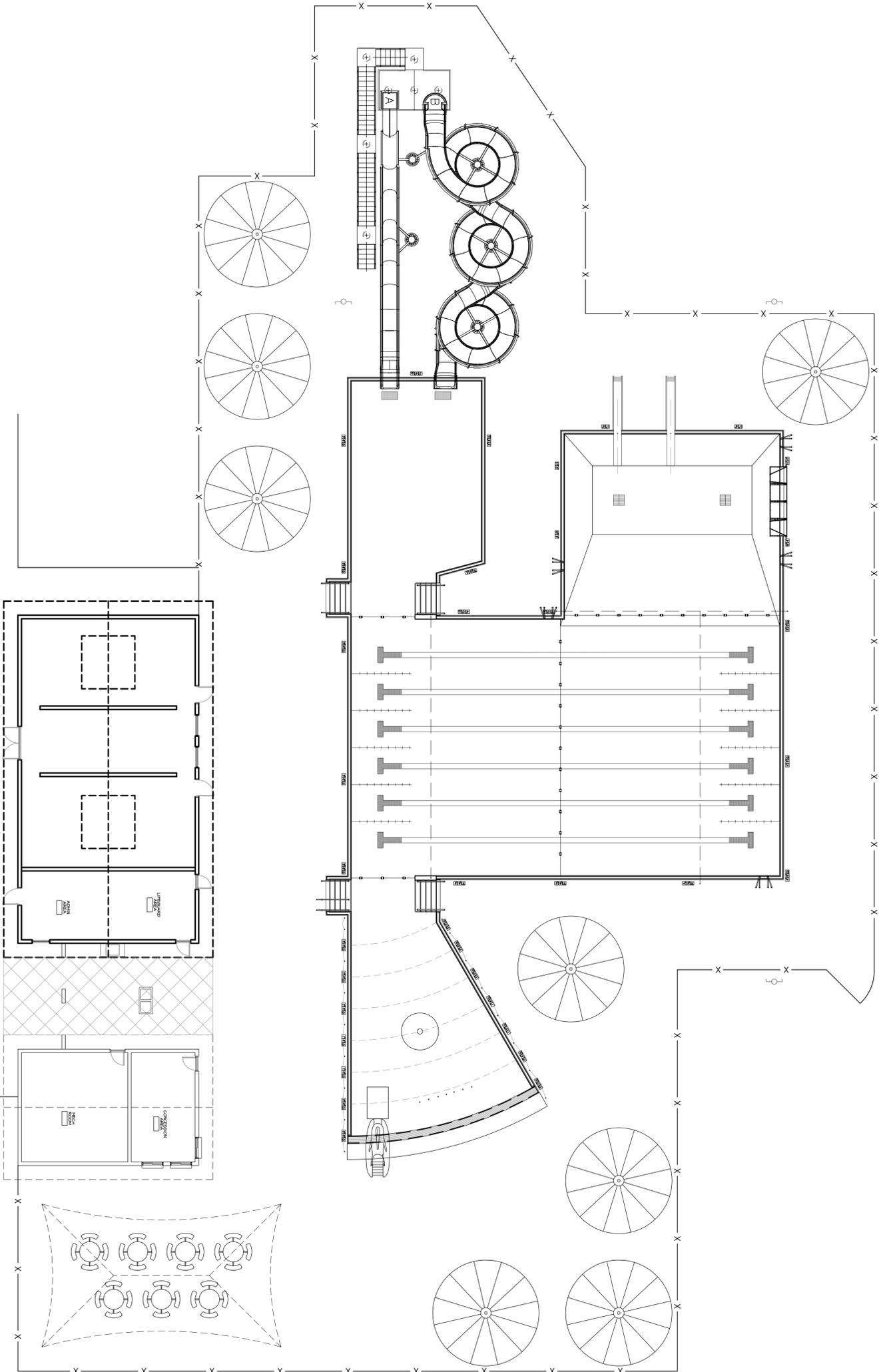
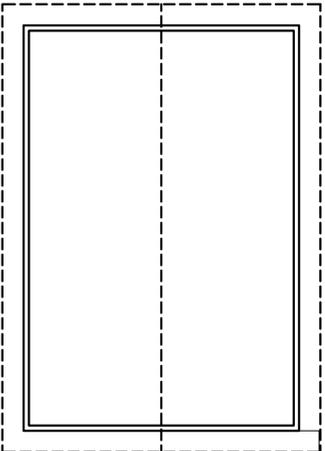


POOL: 5,085 SQ. FT.  
 ZERO DEPTH: 1,436 SQ. FT.  
 RAMP: 209 SQ. FT.  
 PLUNGE POOL: 487 SQ. FT.  
 7,117 TOTAL SQ. FT.

AQUATICS: \$1,150,000.00  
 BUILDINGS: \$370,000.00  
 SITE WORK: \$270,000.00  
 F.F.E. \$  
 PRO FEES: \$410,000.00  
 \$2,200,000.00

<p><b>SP2</b> SHEET NO.</p>	<p><b>OVERALL SITE PLAN</b> - OPTION TWO</p> <p>SHEET TITLE</p>	<p>PROJECT NUMBER: LC10028</p> <p>DRAWN BY: SMS</p> <p>CHECKED BY: MM</p> <p>PROJECT MANAGER: WBO</p> <p>DATE: 09-09-2010</p>	<p><b>Revisions</b></p> <p>.....</p> <p><b>Notes</b></p> <p>REVISIONS &amp; NOTES</p>	<p><b>LA CRESCENT SWIMMING POOL</b></p> <p>LA CRESCENT, MN</p>	<p><b>ALL RIGHTS RESERVED</b></p> <p>The document is by USAQUATICS, a registered trademark of USAQUATICS, Inc. All rights reserved. No part of this document may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of USAQUATICS, Inc. All rights reserved.</p>	<p>I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed engineer under the laws of the State of Minnesota.</p> <p>Signature: _____</p> <p>License #: _____</p> <p>Date: _____</p>	<p><b>USAQUATICS</b> INC.</p> <p>124 BRIDGE AVE. E, P.O. BOX 86 DELANO, MN 55328          PHONE: (763)972-5897 FAX: (763)972-5864          WWW.USAQUATICSINC.COM          AQUATIC ENGINEERING</p>
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1  
3/32" = 1'-0"  
OVERALL SITE PLAN - OPTION THREE



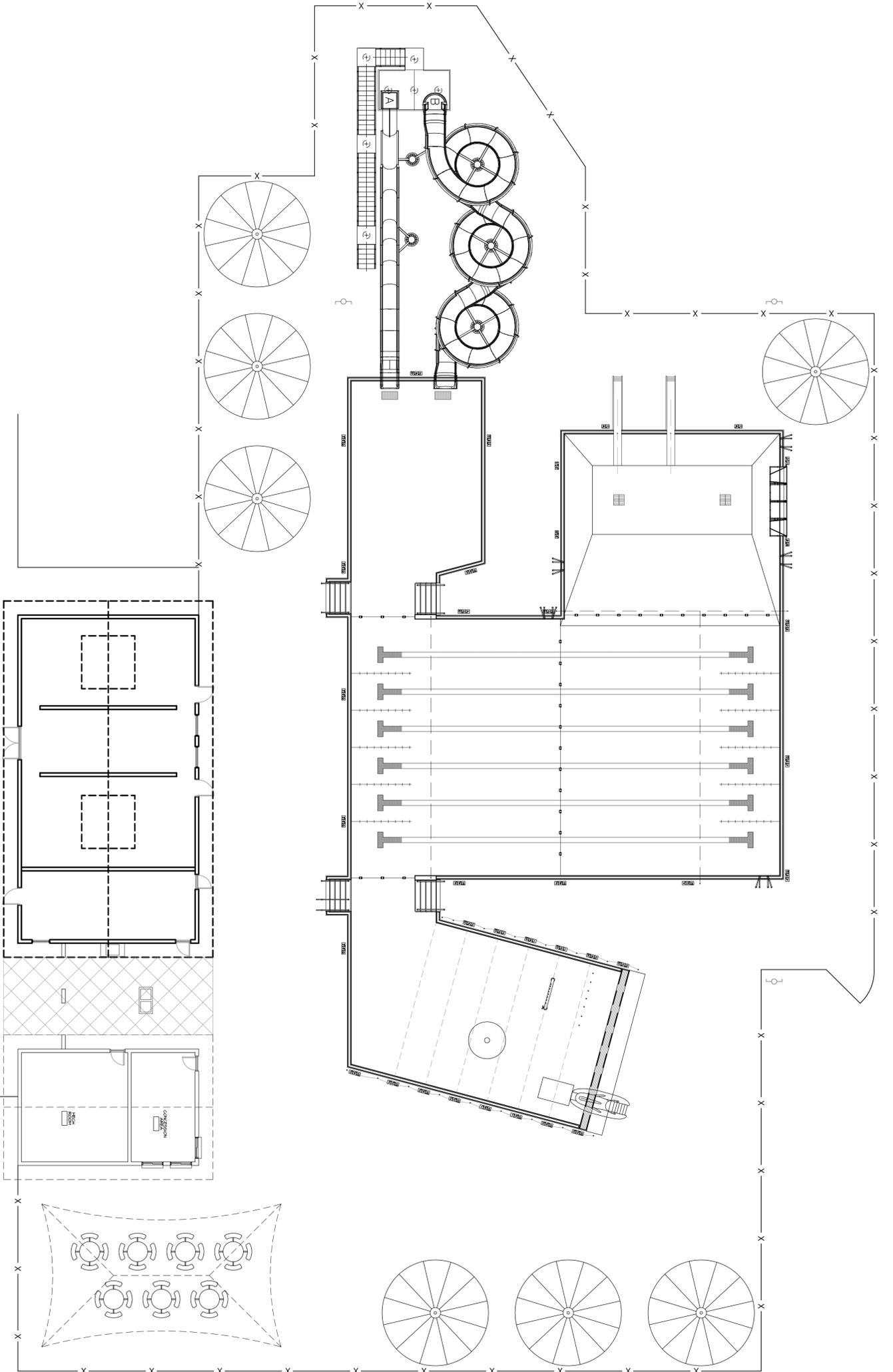
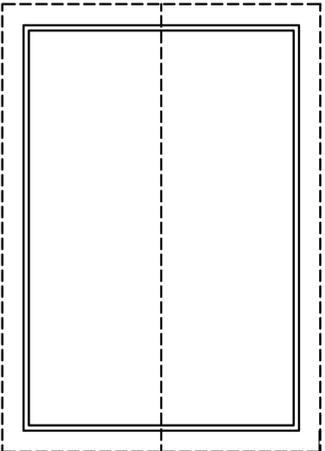
I hereby certify that this plan, specification, or report under my direct supervision and that I am a duly licensed engineer under the laws of the State of Minnesota.  
Signature:  
Date:

POOL: 5,327 SQ. FT.  
ZERO DEPTH: 1,127 SQ. FT.  
PLUNGE POOL: 1,015 SQ. FT.  
7,469 TOTAL SQ. FT.

AQUATICS: \$1,100,000.00  
BUILDINGS: \$370,000.00  
SITE WORK: \$265,000.00  
F.F.E. \$  
PRO FEES: \$405,000.00  
\$2,140,000.00

	<b>OVERALL SITE PLAN</b> - OPTION THREE SHEET TITLE	<b>Revisions</b> ..... Notes REVISIONS & NOTES	<b>LA CRESCENT SWIMMING POOL</b> LA CRESCENT, MN JOB TITLE	The document is by USAQUATICS. All rights reserved. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of USAQUATICS. ALL RIGHTS RESERVED.	I hereby certify that this plan, specification, or report under my direct supervision and that I am a duly licensed engineer under the laws of the State of Minnesota. Signature: Date: License #: 	 124 BRIDGE AVE. E, P.O. BOX 86 DELAWARE, MN 55328 PHONE: (763)972-5897 FAX: (763)972-5864 WWW.USAQUATICSINC.COM AQUATIC ENGINEERING
	PROJECT NUMBER: Lc10023 DRAWN BY: SMS CHECKED BY: MM PROJECT MANAGER: WBO DATE: 09-09-2010	LA CRESCENT SWIMMING POOL	LA CRESCENT, MN	ALL RIGHTS RESERVED	Signature: Date: License #: 	USAQUATICS 124 BRIDGE AVE. E, P.O. BOX 86 DELAWARE, MN 55328 PHONE: (763)972-5897 FAX: (763)972-5864 WWW.USAQUATICSINC.COM AQUATIC ENGINEERING

1  
3/32" = 1'-0"  
OVERALL SITE PLAN - OPTION FOUR



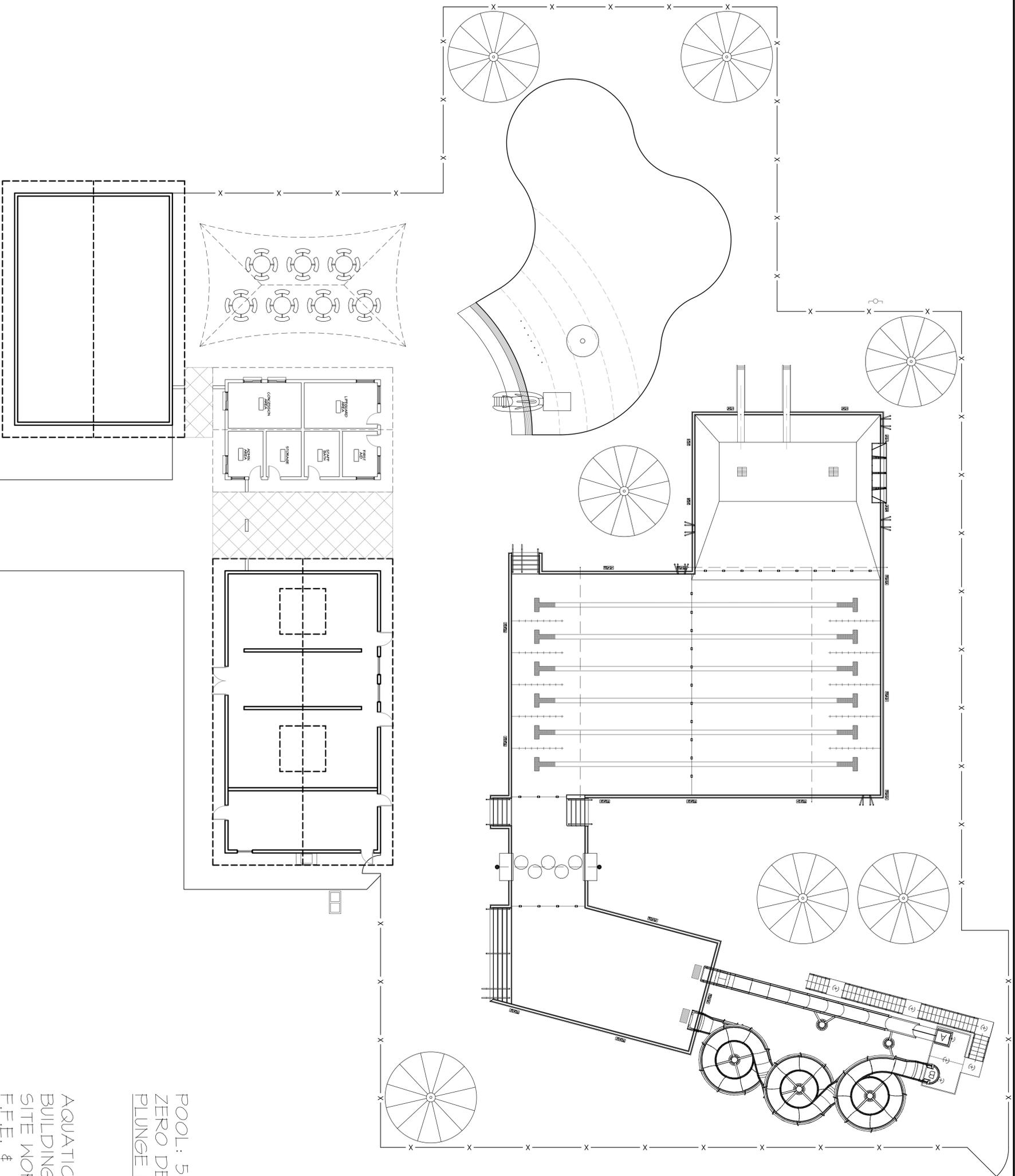
POOL: 5,327 SQ. FT.  
 ZERO DEPTH: 1,561 SQ. FT.  
 PLUNGE POOL: 1,015 SQ. FT.  
 7,903 TOTAL SQ. FT.

AQUATICS: \$1,175,000.00  
 BUILDINGS: \$370,000.00  
 SITE WORK: \$275,000.00  
 F.F.E. \$  
 PRO FEES: \$415,000.00  
 \$2,235,000.00

	<b>OVERALL SITE PLAN</b> - OPTION FOUR	PROJECT NUMBER: LC10028	Revisions . . . . . . . . . . . . . . .	LA CRESCENT SWIMMING POOL LA CRESCENT, MN	ALL RIGHTS RESERVED	I hereby certify that this plan, specification, or report under my direct supervision and that I am a duly licensed engineer under the laws of the State of Minnesota. Signature: _____ License #: _____ Date: _____	 124 BRIDGE AVE. E, P.O. BOX 86 DELAHO, MN 55328 PHONE: (763)972-5897 FAX: (763)972-5864 WWW.USAQUATICSINC.COM AQUATIC ENGINEERING
	SHEET TITLE SP4 SHEET NO.	DRAWN BY: SMS					



1  
3/32" = 1'-0"  
OVERALL SITE PLAN - OPTION SIX



POOL: 5,351 SQ. FT.  
 ZERO DEPTH: 2,561 SQ. FT.  
 PLUNGE POOL: 1,526 SQ. FT.  
 9,438 TOTAL SQ. FT.

AQUATICS: \$1,445,000.00  
 BUILDINGS: \$377,000.00  
 SITE WORK: \$353,000.00  
 F.F.E. \$  
 PRO FEES: \$560,000.00  
 \$2,735,000.00



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 Signature: \_\_\_\_\_  
 License #: \_\_\_\_\_  
 Date: \_\_\_\_\_

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LA CRESCENT SWIMMING POOL  
 LA CRESCENT, MN

Revisions

Notes

PROJECT NUMBER:	LC010028
DRAWN BY:	SMS
CHECKED BY:	NMN
PROJECT MANAGER:	WBO
DATE:	09-09-2010

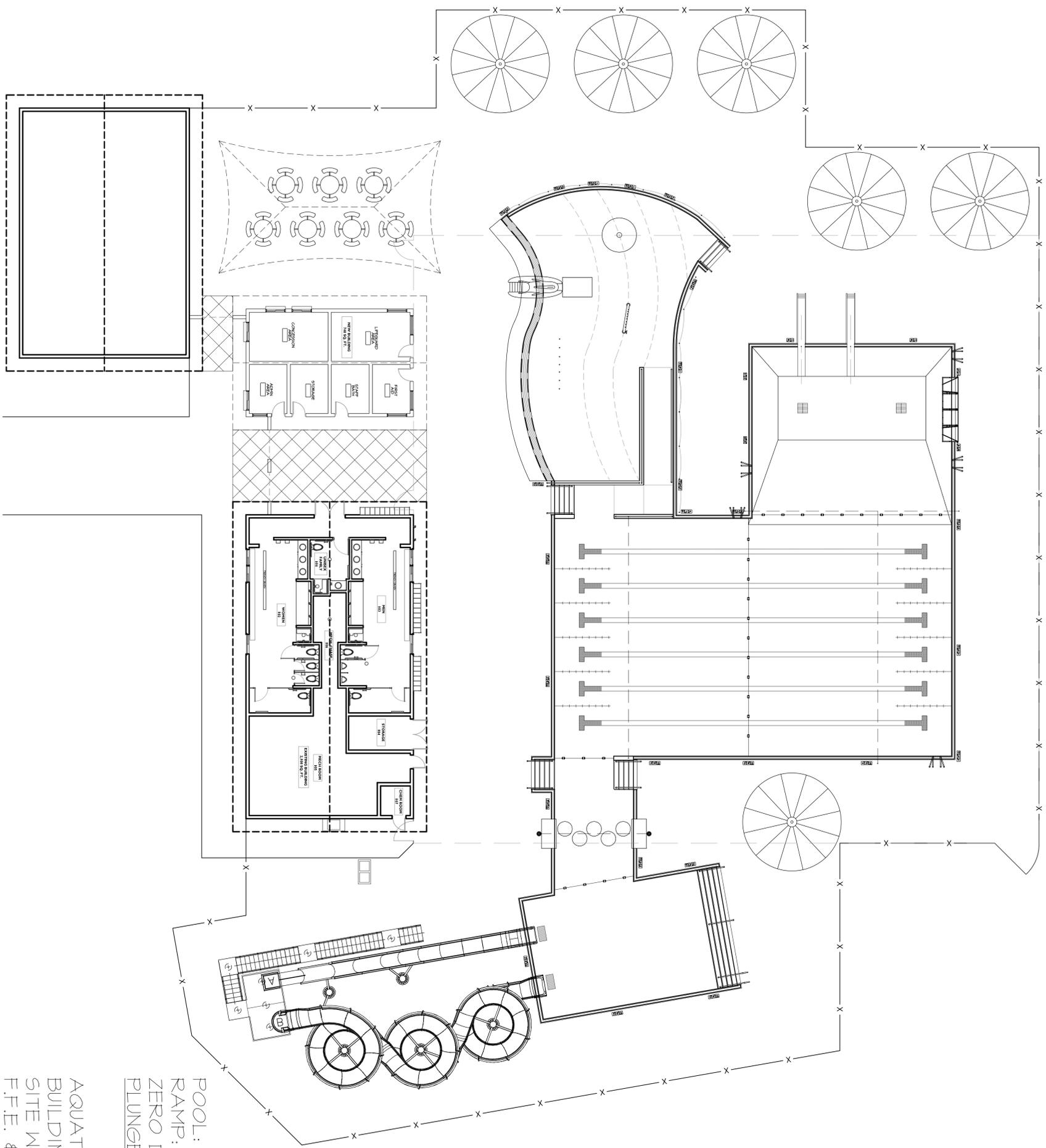
OVERALL SITE PLAN - OPTION SIX

SP6  
 SHEET NO.





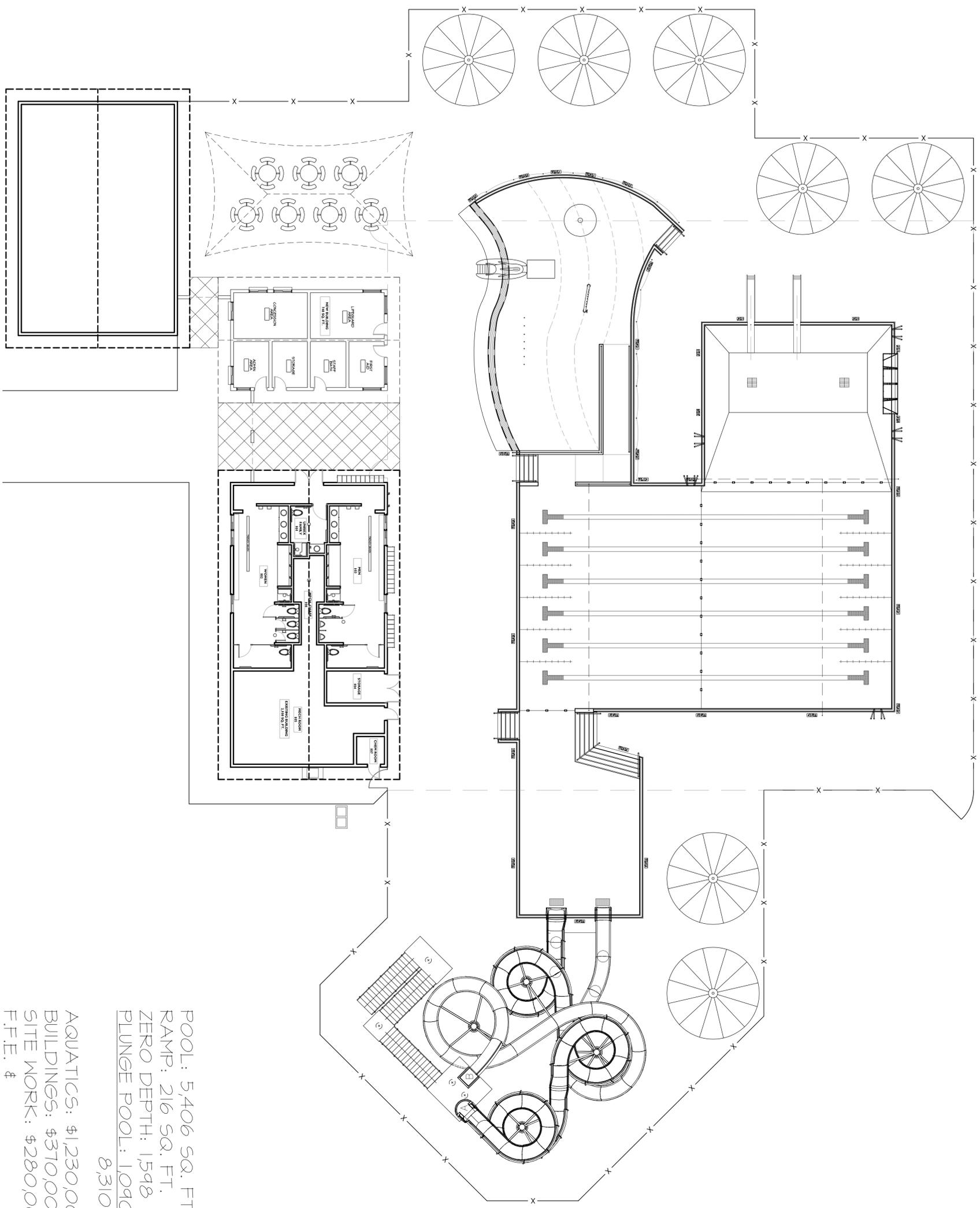
1  
3/32" = 1'-0"  
OVERALL SITE PLAN - OPTION A



POOL: 5,862 SQ. FT.  
 RAMP: 216 SQ. FT.  
 ZERO DEPTH: 1,598 SQ. FT.  
 PLUNGE POOL: 480 SQ. FT.  
 8,656 TOTAL SQ. FT.

AQUATICS: \$1,260,000.00  
 BUILDINGS: \$370,000.00  
 SITE WORK: \$280,000.00  
 F.F.E. \$  
 PRO FEES: \$420,000.00  
 \$2,330,000.00

	<b>OVERALL SITE PLAN</b> - OPTION A	PROJECT NUMBER: LC10028	<b>LA CRESCENT SWIMMING POOL</b> LA CRESCENT, MN	ALL RIGHTS RESERVED	I hereby certify that this plan, specification, or report under my direct supervision and that I am a duly licensed engineer under the laws of the State of Minnesota. Signature: _____ License #: _____ Date: _____	 124 BRIDGE AVE. E, P.O. BOX 86 DELAWARE, MN 55328 PHONE: (763)972-5897 FAX: (763)972-5864 WWW.USAQUATICSINC.COM AQUATIC ENGINEERING
	SHEET TITLE	REVISIONS & NOTES				



POOL: 5,406 SQ. FT.  
 RAMP: 216 SQ. FT.  
 ZERO DEPTH: 1,598 SQ. FT.  
 PLUNGE POOL: 1,090 SQ. FT.  
 8,310 TOTAL SQ. FT.

AQUATICS: \$1,230,000.00  
 BUILDINGS: \$370,000.00  
 SITE WORK: \$280,000.00  
 F.F.E. \$  
 PRO FEES: \$420,000.00  
 \$2,300,000.00



I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed engineer under the laws of the State of Minnesota.  
 Signature: \_\_\_\_\_  
 License #: \_\_\_\_\_  
 Date: \_\_\_\_\_

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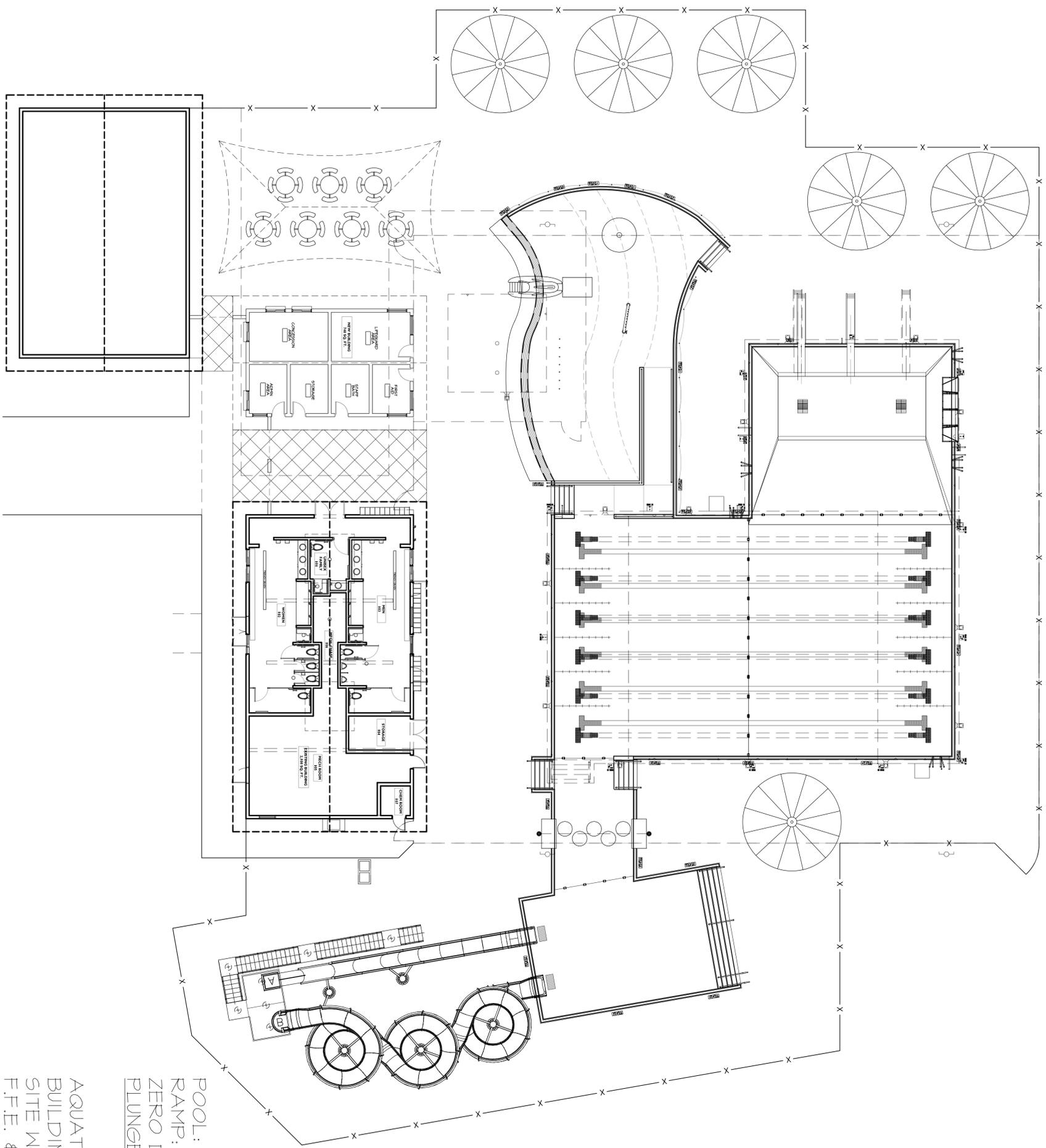
LA CRESCENT SWIMMING POOL  
 LA CRESCENT, MN

Revisions	_____
Notes	_____
Revisions & Notes	_____
PROJECT NUMBER:	Lc010028
DRAWN BY:	SMS
CHECKED BY:	NMN
PROJECT MANAGER:	WBO
DATE:	09-09-2010

OVERALL SITE PLAN - OPTION B  
 SHEET TITLE  
**SP-B**  
 SHEET NO.



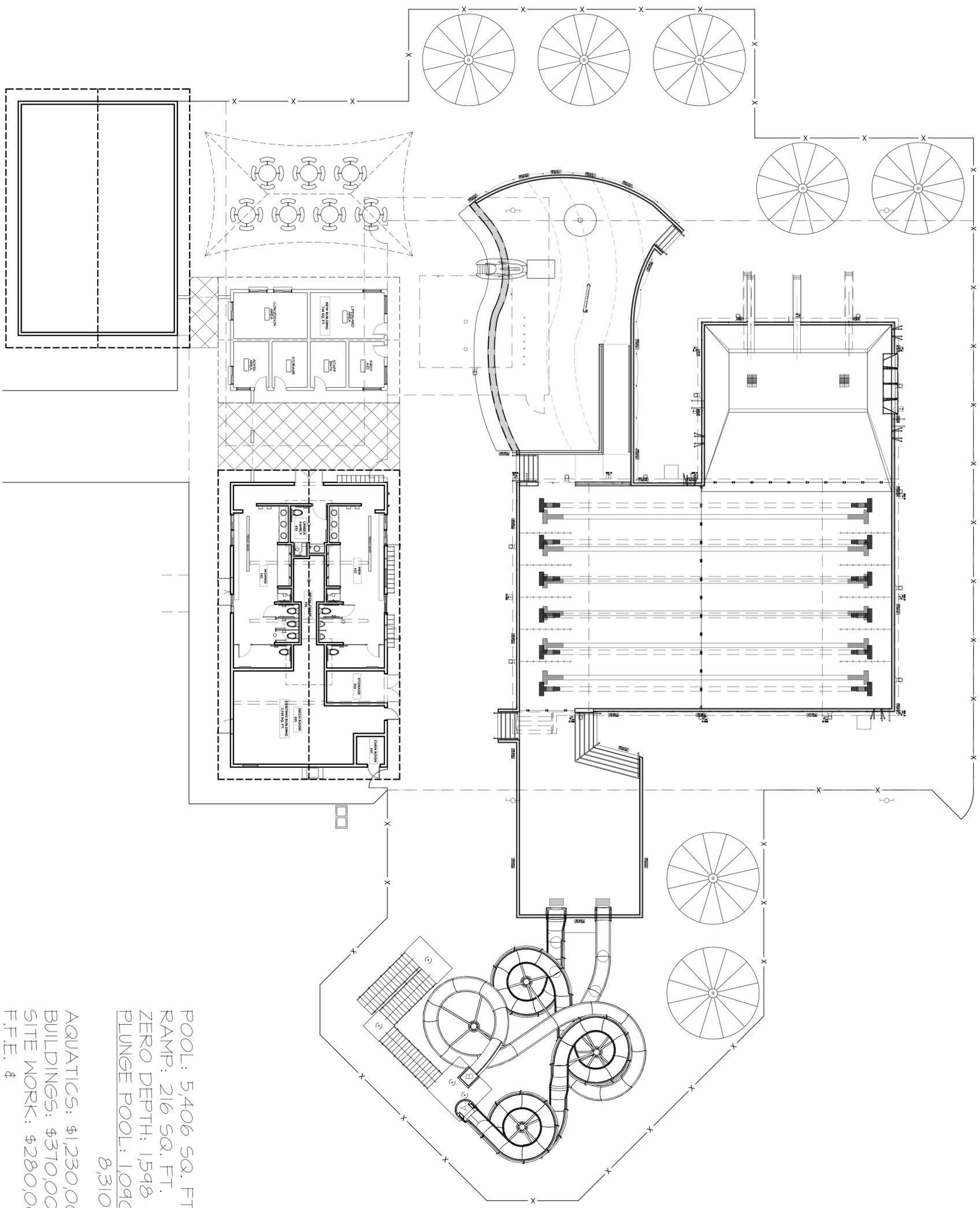
1  
3/32" = 1'-0"  
OVERALL SITE PLAN - OPTION A



POOL: 5,862 SQ. FT.  
 RAMP: 216 SQ. FT.  
 ZERO DEPTH: 1,598 SQ. FT.  
 PLUNGE POOL: 480 SQ. FT.  
 8,656 TOTAL SQ. FT.  
 AQUATICS: \$1,260,000.00  
 BUILDINGS: \$370,000.00  
 SITE WORK: \$280,000.00  
 F.F.E. \$  
 PRO FEES: \$420,000.00  
 \$2,330,000.00

	OVERALL SITE PLAN - OPTION A	PROJECT NUMBER: LC10028	Revisions . . . . .	LA CRESCENT SWIMMING POOL LA CRESCENT, MN	ALL RIGHTS RESERVED	I hereby certify that this plan, specification, or report under my direct supervision and that I am a duly Licensed Engineer under the laws of the State of Minnesota. Signature: _____ License #: _____ Date: _____	<p>124 BRIDGE AVE. E, P.O. BOX 86 DELAHO, MN 55328                  PHONE: (763)972-5897 FAX: (763)972-5864                  WWW.USAQUATICSINC.COM                  AQUATIC ENGINEERING</p>
	SHEET TITLE SP-A1 SHEET NO.	CHECKED BY: SMS PROJECT MANAGER: WJG DATE: 09-09-2010	Includes REVISIONS & NOTES	JOB TITLE	The agreement is by USAQUATICS providing general information intended for informational purposes only. Any decisions or information contained herein, or other information, are the property of USAQUATICS, Inc. and are not to be used for any other purpose without the express written consent of USAQUATICS, Inc.	License #: Date:	USAQUATICS AQUATIC ENGINEERING

1  
3/32" = 1'-0"  
OVERALL SITE PLAN - OPTION B



POOL: 5,406 SQ. FT.  
RAMP: 216 SQ. FT.  
ZERO DEPTH: 1,598 SQ. FT.  
PLUNGE POOL: 1,090 SQ. FT.  
8,310 TOTAL SQ. FT.

AQUATICS: \$1,230,000.00  
BUILDINGS: \$370,000.00  
SITE WORK: \$280,000.00  
F.F.E. \$  
PRO FEES: \$420,000.00  
\$2,300,000.00

SP-B1  
SHEET NO.

OVERALL SITE PLAN  
- OPTION B

PROJECT NUMBER: Lc010028	DRAWN BY: SMS
CHECKED BY: MM	PROJECT MANAGER: WBO
DATE: 09-09-2010	

Revisions

Notes

REVISIONS & NOTES

LA CRESCENT SWIMMING  
POOL  
LA CRESCENT, MN

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