City of Racine Official Notice #7-2025 Request for Bid (RFB)

Maintenance of Laurel Clark Memorial Fountain



03/xx/2025	Published in Newspaper Published Online		
03/xx/2025	Published in Newspaper		
03/xx/2025 by 2 pm	Questions due via email		
03/xx/2025	Addendums Posted if any		
03/xx/2025 10:00 am CST	DUE DATE		
	Bid proposals received after this time will not be considered		
Method of submittal	City of Racine Purchasing – DemandStar ONLY		
	https://network.demandstar.com/agencies/wisconsin/city-of-		
	racine-purchasing/procurement-opportunities/01dc3f5c-ed8d-		
	466f-9fa8-3f31a8e08705/		
Contact information:	City of Racine Purchasing		
	730 Washington Ave. Room 102		
	Racine, WI 53403		
	Email: Purchasing@cityofracine.org		
	Website: http://www.cityofracine.org/purchasing		

The undersigned hereby proposes to furnish all labor, tools, equipment and all materials, except as definitely specified to be furnished by others, ready for use, all in accordance with these specifications, all as attached hereto and all of which the undersigned has examined, the following work for the compensation indicated.

Firm:
Name:
Address:
City, State, Zip:
Phone:
Email:

1. General Information

The City of Racine is accepting formal bids for the **Maintenance of Laurel Clark Memorial Fountain**.

The City of Racine is the sole judge of the suitability of all bidders and reserves the right to reject all parts of the proposal that is not in the best interest of the City of Racine. The City of Racine, in its sole discretion and without cause, may terminate this Request, Purchase Order or Contract, in whole or in part, at any time without incurring liability to the bidder for lost profits, or any other costs of damages.

Bidders are reminded to carefully examine the bid and specifications upon receipt. If necessary, bidders should make a written request by the due date to the Purchasing Agent for interpretation or corrections of any ambiguity, inconsistency or error discovered.

Bidders are cautioned not to change any of the terms or conditions in the bid and/or specifications without the written approval of the Purchasing Agent. Any unauthorized changes will constitute a counteroffer and will subject the bid to rejection.

All financial and contractual commitments by the City are subject to the availability of funds as approved in the budget and by the Common Council.

DBE/MBE/VBE/WBE are encouraged to bid.

2. General Questions

Have you performed any work for the City of Racine in the past?	YES	NO
Are you able to perform work for the State of Wisconsin?	YES	NO

3. Racine Works Program (RWP)

The "Racine Works Program (RWP)" is a preferential hiring program used by the City of Racine to help residents of the City gain access to employment opportunities on City construction or City funded projects. The Racine Works Program is designed to promote employment of City residents as part of a contractor's workforce on some City construction projects.

The City of Racine RWP procurement policy promotes the utilization of local workers and maximization of the economic impact of annual operating and capital project spending. Bidders and contractors shall satisfy the <u>City of Racine Ordinance Section 46-41</u> if applicable.

4. References

As a part of properly completing the bid, provide the names, addresses, phone numbers and contact persons for a minimum of two companies or municipalities for which the bidder has satisfactorily performed <u>related work</u> within the past five (5) years.

Company Name:
Address:
Contact Person:
Phone Number:
E-mail:
Company Name:
Address:
Contact Person:
Phone Number:
E-mail:
Company Name:
Address:
Contact Person:
Phone Number:
E-mail:

5. Specifications

A. SCOPE OF WORK

These specifications are intended to provide the minimum standards necessary for the maintenance of the City of Racine's water feature by <u>State of Wisconsin Licensed Plumbing Contractor</u>. The Contractor shall furnish all material, tools, equipment and labor required to perform the water attraction maintenance as described in these specifications.

All services shall be delivered in a thorough and professional manner in conformance with the accepted "Best Industry Practices and Methods" and in strict conformance with all applicable state and local codes, laws, ordinances, etc. as if such legal requirements were herein set forth in length.

Scope includes the following:

- 1. Spring start-up of fountain (May; prior to the Friday of Memorial Day Weekend)
- 2. Spring opening of restrooms (Mid May)
- 3. Start -up of Park Place Irrigation system Metering & BFP Only. (Mid-May)
- 4. Daily fountain maintenance includes weekends and holidays
- 5. All emergency services and repairs
- 6. Fall shut down and winterizing of fountain (Mid-September)
- 7. Fall shut down and winterizing of restrooms (Mid-September)
- 8. Fall shut down and winterizing of Park Place Irrigation system (Metering & BFP Only)
 - Mid-September
- 9. Daily recording of chemical readings must be turned in each month

B. BIDS

Bids shall be submitted on the bid proposal form as provided by the City in the manner indicated thereon.

C. LOCATION

The site where said services are to be performed is Park Place Park, $30 - 6^{th}$ Street.

D. INSPECTION OF SITE

All bidders shall visit the site to determine the exact conditions that exist in relation to the services called for under these specifications. Call Racine Parks, Recreation & Cultural Services at 262-636-9131 for an appointment with Chris Boscher

E. TERMS

The contract will be for an initial term of May 2025 through October 2026 and may be extended for three (3) additional one (1) year terms providing both parties to the contract agree to the extension under the condition that the price may be renegotiated, that all other terms, conditions, and specifications remain the same. Notification to the City of the desire to extend, including any price change request shall be given by the Contractor at least ninety (90) days before the start of the next term.

F. DAMAGE TO THE PROPERTY

The contractor shall accept full responsibility for repair or replacement costs and other incidental costs for any and all damage to property incurred through accident, negligence, error in judgment or misuse of equipment including, but not limited to, buildings and structures. Repair or compensation by the Contractor will be to the satisfaction of the City. The Contractor shall notify the City of the damaged property immediately.

G. PERSONNEL

The Contractor shall have available sufficient manpower for scheduling who are licensed, trained, competent and reliable to perform satisfactorily all the work as outlined. The City reserves the right to reject any of the Contractor's employees subject to compliance with Wis. Stat. sec. 111.31, et seq. Subcontracting will only be permitted with the City's approval.

H. TOOLS AND EQUIPMENT

The contractor shall provide and maintain at its expense, all necessary tools and equipment and replacements required to fulfill the requirements of this contract. The contractor must maintain a 24 hour telephone where they may be contacted in case of an emergency.

I. PRE-WORK MEETING

Before work begins there will be a meeting with the Contractor, the Contractor's Supervisor and the City to discuss the standards and procedures applicable to this contract.

J. PUBLIC RELATIONS

Anyone asking a question or making a complaint that the Contractor cannot answer shall be referred to the City. The Contractor shall make no statements or comments questioning the judgment of the City, and no statements about City activities, policies and procedures.

K. TRAFFIC CONTROL

The Contractor is responsible for maintaining vehicle and pedestrian traffic control and maintaining safe conditions near the work zone. The city has available on site, a pedestrian barricade for the vault hatch when it is open for maintenance.

L. SAFETY

Unsafe practices, people, equipment or vehicles are not allowed and will not be tolerated during the performance of this contract. The City will require removal of unsafe persons or equipment from City's property.

The Contractor's employees shall comply with OSHA requirements and the Contractor shall ensure that such compliance is made.

M. WORK SCHEDULE

The fountain shall be in operation on Friday of Memorial Day Weekend **and shall be shut down September 30.** Unless it is determined that the falling tree leaves or inclement weather are affecting the proper operation of the water attraction; if so, the water attraction will be shut down earlier. The normal hours of operation will be 10:00 am to 8:00 pm every day for the season – approximately 24 consecutive weeks of operation. Start-up & Shutdown may add one (1) week at the beginning and end of the season.

NOTE: Daily Water attraction service must be completed before 10:00 am start-up daily.

A. CONTRACT MONTHLY HOURS & ADDITIONAL CHARGEABLEHOURS

The current design of the water feature and supporting mechanical systems are intended to be safely maintained by one person. For those circumstances when more than one person is required for maintenance, repairs or safety purposes, additional people may be dispatched and charged to this agreement, per the rates listed on the Bidder's Proposal.

1. Estimated billable hours per 26-week season – (includes start-up & shut down),

- 312±, per season or about 12 hours per week.
- 2. Monthly service fees, from the Bidder's Proposal, shall include all normal maintenance services listed within this specification. Any additional services, maintenance, emergency calls, additional labor and materials will be billed according to the Additional Charges on the Bidder's Proposal.
- 3. Fees required by the State of Wisconsin or the City of Racine to recertify Backflow Preventers (BFP) shall be listed separately on the invoice. Copies of the recertification documents shall be turned over to the Owner representative.
- 4. Additional Charges must be authorized by the Director of Parks, Recreation & Cultural Services.
- 5. Labor charges during normal workdays and scheduled weekend days shall begin upon arrival of the work site.
- 6. Labor charges for emergencies can begin at dispatch, with one (1) hour limit on travel charges per worker.

B. WATER ATTRACTION START UP & BUILDING OPENING

- 1. Pull brick cover off wet well / reservoir and clean debris as necessary (if a water supply truck and / or suction truck is required the City will pay for this as an extra)
- 2. Have Water Department turn on curb stop if required.
- 3. Re-install water meter for the water attraction and the Park Place irrigation system.
- 4. Re-install and test back flow preventers for the water attraction and the Park Place irrigation system.
- 5. Install Perlite® filter media in Defender Filter Cleaner A1C per manufacturer's recommendations, test air compressor and cycle filter.
- 6. Re-install chemical feeders and sensing probes
- 7. Remove tape on grate heads.
- 8. Re-install all valves, fittings, caps, pipe connections, strainer baskets or other fitting removed for winterization.
- 9. Lubricate all motor & pump bearings and other equipment per manufacturer's recommendations.
- 10. Verify watertight integrity.
- 11. Check through maintenance schedule for startup procedures.
- 12. Fill system and reservoir.
- 13. Start & operate water attraction and check for leaks.
- 14. Check water attraction lighting Repair as needed.
- 15. Coordinate with chemical provider and Racine City Health Department to verify proper water chemistry.
- 16. Fill domestic water system.
- 17. Vent air and verify operation of all fixtures in the public restrooms
- 18. Start and test water heater and circulation pump.
- 19. Flush all piping and drains.
- 20. Unplug heat tape on outside sidewalk drain trap.
- 21. Fill/pressurize irrigation system in building only.
- 22. Remove all winter vent closers store in mechanical room on top of Unistrut framing.
- 23. Test sump pump in vault
- 24. Test ventilation and exhaust fans in vault.
- 25. Re-install drinking fountain and shower components verify operation.

C. DAILY WATER ATTRACTION MAINTENANCE

At certain times of the year, daily maintenance may be required, this will not include Saturdays, Sundays or holidays. Example, in the spring when the flowers are falling off the surrounding trees the strainers need cleaning daily for proper operation.

NOTE: Daily Water attraction service must be completed before 10:00 am start-up daily.

- 1. Clean strainers/exchange strainer baskets for pumps FP1, DP1, DP2, DP3, DP4 and SPUV disinfection unit as needed.
- 2. Check Biocide (Chlorine) & Inhibitor (Acid) supply barrels and change as needed.
- 3. Check for pumps in alarm.
- 4. Check chemical feeders.
- 5. Perform miscellaneous maintenance as needed.
- 6. Check the fountain nozzles.
- 7. Document all maintenance performed on forms provided daily. Maintenance records shall be maintained and stored in the mechanical space.

D. MONTHLY VAULT MAINTENANCE

- 1. Check the ventilation and exhaust fan for operation only, then turn it off.
- 2. Check sump pump for operation return to standby.

E. SHUT DOWN

Shut down of fountain operations will be September 30 unless it is determined that the falling tree leaves or inclement weather are affecting the proper operation of the fountain; if so, the fountain will be shut down earlier.

- 1. Have Water Department turn off curb stop.
- 2. Check the maintenance schedule for shut down procedures.
- 3. Drain system and reservoir.
- 4. Drain, remove filter media and clean Defender filter cleaner A1C per manufacturer's recommendations.
- 5. Remove water meters and back flow preventers.
- 6. Open all drain valves for distribution piping, pumps, valve and other wet systems.
- 7. Remove and clean all strainer baskets.
- 8. Remove chemical feeders and sensors. Place sensors in a clean water solution for storage.
- 9. Air blow or vacuum out the all-fountain mechanical systems.
- 10. Drain domestic water systems for both restrooms and external shower.
- 11. Remove shower and drinking fountain components winterize drains.
- 12. Plug-in and verify the operation of heat tape on exterior shower trap.
- 13. Shut down and drain the water heater and circulation pump.
- 14. Add environmentally safe antifreeze to floor drains, sink drains and toilets.
- 15. Add environmentally safe antifreeze to outside sanitary drains, sink drains & toilets.
- 16. Tape up grate heads.
- 17. Test electric heat in vault, set thermostat to lowest possible heating setting.
- 18. Verify operation of all building heating systems.
- 19. Close all vent opening in building with winterizing devises.

F. MISCELLANEOUS MAINTENANCE

- 1. The plumbing contractor shall coordinate and act as the general contractor for any and all electrical and HVAC maintenance work related to this fountain.
- 2. The plumbing contractor shall work with the chemical supply contractor who will:

- A. Supply all needed chemicals to the plumbing contractor for water attraction use.
- B. Take weekly water analyses to assist the plumbing contractor make any needed adjustment to the water chemistry.
- C. Will supply filter media for Defender water filter.
- 3. As necessary, meet with the City of Racine Health Department to address any water chemistry or water attraction mechanical concerns.

N. PAYMENTS AND BILLINGS

- 1. Payments will only be made by contractor invoices.
- 2. Payments may be requested twice per month.
- 3. All invoices must include monthly service fee separately.
- 4. Invoices with additional charges must include date, trade rate charged, unit price, labor hours, equipment and material rates.
- 5. No other fees will be paid without prior authorization.
- 6. Invoices shall be submitted directly to the Parks, Recreation & Cultural Services Department, 800 Center Street, Room 127, Racine, WI 53403 or emailed to chris.boscher@cityofracine.org.

O. TERMINATION

Should the City deem the work being performed under this contract unsatisfactory, the City shall give the Contractor written notice to cure such unsatisfactory work. If such work continues in an unsatisfactory manner, then the City may, on ten (10) days' written notice, terminate the contract.

END OF DETAILED SPECIFICATIONS

BID PROPOSAL FORM

OFFICIAL NOTICE #7-2025 MAINTENANCE OF LAUREL CLARK MEMORIAL FOUNTAIN

Bid amount for normal routine service as listed in the bid specifications	
\$per month	
Bid amount for additional mechanical and plumbing services:	
a. Labor Cost for a Licensed Plumber, normal working hours \$per hour	
b. Labor Cost for a Licensed Plumber, Saturdays \$perhour	
c. Labor Cost for a Licensed Plumber, Sundays & Holidays \$perhour	
d. Labor Cost for a Laborer	
\$perhour	
e. Material Cost plus % markup over actual invoice cost	9

6. Indemnification and Insurance Requirements:

Indemnification

To the fullest extent allowable by law, Contractor hereby indemnifies and shall defend and hold harmless the City of Racine, its elected and appointed officials, officers, employees or authorized representatives or volunteers and each of them from and against any and all suits, actions, legal or administrative proceedings, claims, demands, damages, liabilities, interest, attorneys' fees, costs, and expenses of whatsoever kind or nature whether arising before, during, or after completion of the work hereunder and in any manner directly or indirectly caused, occasioned, or contributed to in whole or in part or claimed to be caused, occasioned, or contributed to in whole or in part, by reason of any act, omission, fault, or negligence, whether active or passive, of Contractor or of anyone acting under its direction or control or on its behalf in connection with or incident to the performance of this Agreement regardless if liability without fault is sought to be imposed on the City of Racine, Contractor's aforesaid indemnity and hold harmless agreement shall not be applicable to any liability caused by the sole fault, sole negligence, or willful misconduct of the City of Racine, or its elected and appointed officials, officers, employees or authorized representatives or volunteers. This indemnity provision shall survive the termination or expiration of this Agreement.

In any and all claims against the City of Racine, its elected and appointed officials, officers, employees or authorized representatives or volunteers by an employee of Contractor, any subcontractor, or anyone for whose acts any of them may be liable, the indemnification obligation under this paragraph shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the Contractor or any subcontractor under Worker's Compensation Acts, Disability Benefit Acts, or other employee benefit acts.

No provision of this Indemnification clause shall give rise to any duties not otherwise provided for by this Agreement or by operation of law. No provision of this Indemnity clause shall be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity that would otherwise exist as to the City of Racine, its elected and appointed officials, officers, employees or authorized representatives or volunteers under this or any other contract. This clause is to be read in conjunction with all other indemnity provisions contained in this Agreement. Any conflict or ambiguity arising between any indemnity provisions in this Agreement shall be construed in favor of indemnified parties except when such interpretation would violate the laws of the state in which the job site is located. Contractor shall reimburse the City of Racine, its elected and appointed officials, officers, employees or authorized representatives or volunteers for any and all legal expenses and costs incurred by each of them in connection therewith or in enforcing the indemnity herein provided. Contractor's obligation to indemnify shall not be restricted to insurance proceeds, if any, received by the City of Racine, its elected and appointed officials, officers, employees or authorized representatives or volunteers.

The Contractor shall not commence work under a contract until he has obtained all insurance required under this paragraph and has filed certificates thereof with the Owner, nor shall the Contractor allow a Subcontractor to commence work until all similar insurance required has been so obtained and filed with the Contractor. Unless otherwise specified in this Agreement, the Contractor shall, at its sole expense, maintain in effect at all times during the performance of the Work, insurance coverage with limits not less than those set forth below with insurers and under forms of policies set forth below.

Worker's Compensation and Employers Liability Insurance - The Contractor shall cover or insure under the applicable labor laws relating to worker's compensation insurance, all of their employees in accordance with the law in the State of Wisconsin. The Contractor shall provide statutory coverage for work related injuries and employer's liability insurance with limits of \$1,000,000 each accident, \$1,000,000 disease policy limit, and \$1,000,000 disease each employee.

Commercial General Liability and Automobile Liability Insurance - The Contractor shall provide and maintain the following commercial general liability and automobile liability insurance:

Coverage – Coverage for commercial general liability and automobile liability insurance shall be at least as broad as the following:

- a) Insurance Services Office (ISO) Commercial General Liability Coverage (Occurrence Form CG0001)
- b) Insurance Services Office (ISO) Business Auto Coverage (Form CA0001), covering Symbol 1 (any vehicle)

Limits -The Contractor shall maintain limits no less than the following:

- a) General Liability One million dollars (\$1,000,000) per occurrence (\$2,000,000 general aggregate if applicable) for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to the project/location (with the ISO CG 2503, or ISO CG 2504, or insurer's equivalent endorsement provided to the City of Racine) or the general aggregate including product-completed operations aggregate limit shall be twice the required occurrence limit.
- b) Automobile Liability- One million dollars (\$1,000,000) for bodily injury and property damage per occurrence limit covering all vehicles to be used in relationship to the Agreement.
- c) Umbrella Liability- One Million dollars (\$1,000,000) for bodily injury, personal injury and property damage per occurrence in excess of coverage carried for Employers' Liability, Commercial General Liability and Automobile Liability as described above.

Required Provisions - The general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

- a) The City of Racine, its elected and appointed officials, officers, employees or authorized representatives or volunteers are to be given additional insured status as respects liability arising out of activities performed by or on behalf of the Contractor; on products and completed operations of the Contractor; for premises occupied or used by the Contractor; and on any vehicles owned, leased, hired or borrowed by the Contractor.
- b) The coverage shall contain no special limitations on the scope of protection afforded to the City of Racine, its elected and appointed officials, officers, employees or authorized representatives or volunteers.
- c) For any claims related to this project, the Contractor's insurance shall be primary insurance as respects the City of Racine, its elected and appointed officials, officers, employees or authorized representatives or volunteers. Any insurance, self-insurance, or other coverage maintained by the City of Racine, its elected and appointed officials, officers, employees, or authorized representatives or volunteers shall not contribute to it.
- d) Any failure to comply with reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to the City of Racine, its elected and appointed officials, officers, employees or authorized representatives or volunteers.
- e) The Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
- f) Each insurance policy required by this agreement shall state, or be endorsed to state, that coverage shall not be canceled by the insurance carrier or the Contractor, except after sixty (60) days (or 10 days for non-payment of premium) prior written notice by U.S. mail has been given to the City of Racine.
- g) Such liability insurance shall indemnify the City of Racine, its elected and appointed officials, officers, employees or authorized representatives or volunteers against loss from liability imposed by law upon, or assumed under contract by, the Contractor for damages on account of such bodily injury (including death), property damage, personal injury, completed operations, and products liability.
- h) The general liability policy shall cover bodily injury and property damage liability, owned and nonowned equipment, blanket contractual liability, completed operations liability with a minimum of a 24 month policy extension, explosion, collapse, underground excavation, and removal of lateral support, and shall not contain an exclusion for what is commonly referred to by the insurers as the "XCU" hazards. The automobile liability policy shall cover all owned, non-owned, and hired vehicles. All of the insurance shall be provided on policy forms and through companies satisfactory to the City of Racine, and

shall have a minimum A.M. Best's rating of A-VII.

Deductibles and Self-Insured Retentions - Any deductible or self-insured retention must be declared to and approved by the City of Racine. At the option of the City of Racine, the insurer shall either reduce or eliminate such deductibles or self-insured retentions.

Evidences of Insurance - Prior to execution of the agreement, the Contractor shall file with the City of Racine a certificate of insurance (Acord Form 25-S or equivalent) signed by the insurer's representative evidencing the coverage required by this agreement. Such evidence shall include an additional insured endorsement signed by the insurer's representative. Such evidence shall also include confirmation that coverage includes or has been modified to include all required provisions 1-8.

Responsibility for Work - Until the completion and final acceptance by the City of Racine of all the work under and implied by this agreement, the work shall be under the Contractor's responsibility care and control. The Contractor shall rebuild, repair, restore and make good all injuries, damages, re-erections, and repairs occasioned or rendered necessary by causes of any nature whatsoever.

Sub-Contractors - In the event that the Contractor employs other contractors (subcontractors) as part of the work covered by this agreement, it shall be the Contractor's responsibility to require and confirm that each sub-contractor meets the minimum insurance requirements specified above.

BIDDER'S CERTIFICATION

I hereby certify that all statements herein are r	nade in behalf of:
Name of Corporation, Partnership or Person su	ubmitting bid
a corporation organized and existing under the	e laws of the State of:
a partnership consisting of:	
an individual trading as:	
of the City of	
that I have examined and carefully prepared the	nis proposal from the
plans and specifications and have checked the	same in detail before
submitting this proposal; that I have full autho	ority to make such statements
and submit this proposal in its (their) behalf, as	nd that said statements are true and correct
SIGNATURE:	
TITLE:	
Sworn and subscribed to before me	
thisday of20	<u></u> .
(Notary or other officer authorized to administ	ter oaths)
SEAL:	
	My commission expires

Schedule of Drawings

C104 Building Elevation and Plans

FM 3.00 Overall Piping Plan

FM 4.00 New Equipment Space Plan

FM 4.04 Regenerative Media Filter Schematic

FM 4.05 *Mechanical Details*

FM 5.00 Fountain Isometric

FM 6.00 Bill of Materials

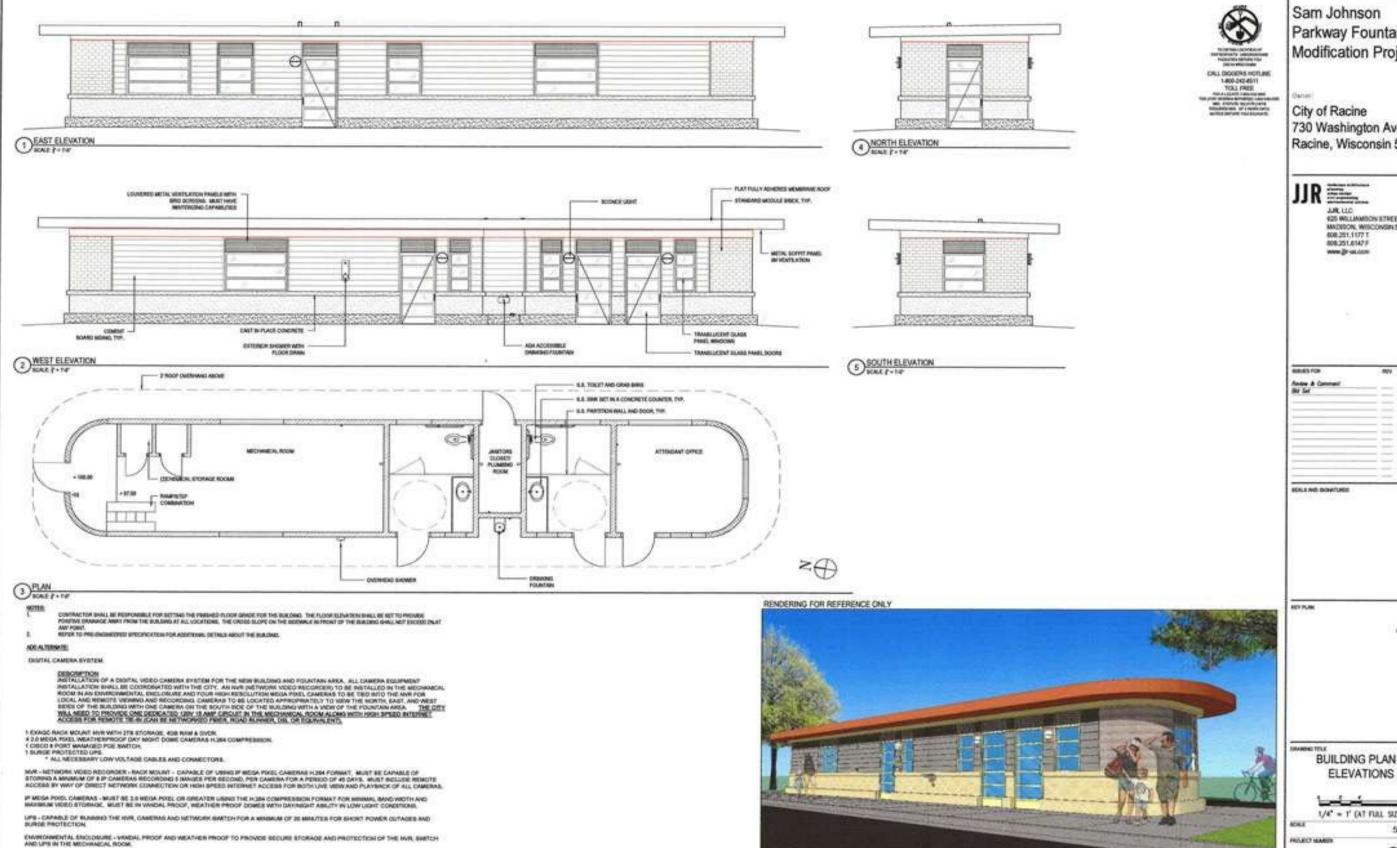
FM 6.01 Mechanical Process Flow Diagram

FM 6.02 Electrical Process Flow Diagram

FM 6.03 Mechanical - Electrical Installation

M1 Floor Plan

M2 Below Floor Plan, Floor Plan & Schedules



FOWEN - MUST HAVE ONE TONY SHAMP CHICLIST IN THE MECHANICAL ROOM DEDICATED TO THE CAMERA SYSTEM.

Sam Johnson Parkway Fountain Modification Project

730 Washington Avenue Racine, Wisconsin 53403



JUR LLC 625 WILLIAMSON ETREET. MAZISON, WISCONSIN 53709 608.251,1177 T 608.251,6147 F

HIBLES FOR	m(y	DATE
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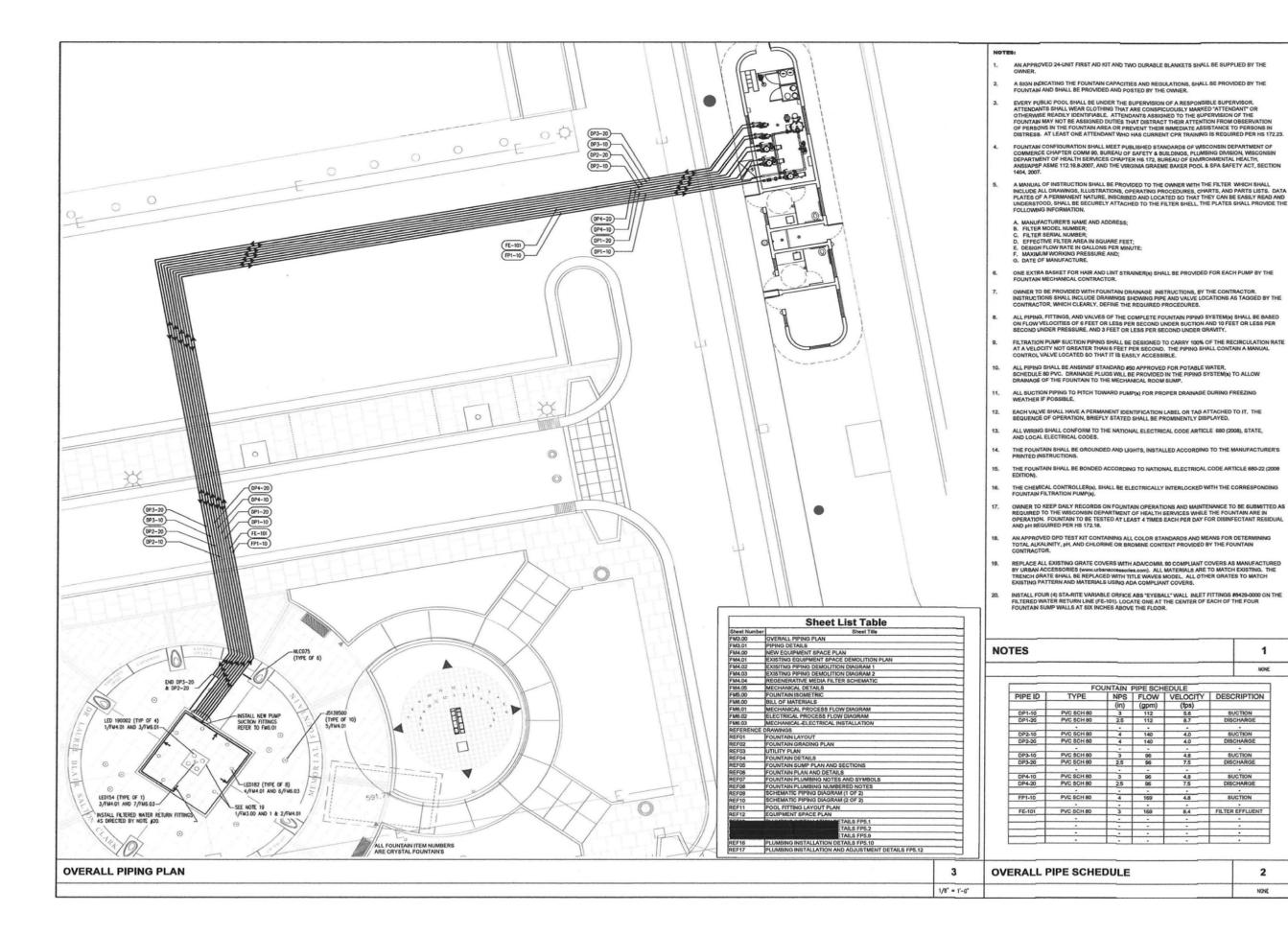


BUILDING PLAN &

1/4" = 1' (AT FULL SIN)

C104

50298,001



City of Racine 730 Washington Avenue Racine, Wisconsin 53403





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REVIEW & COMMENT	 4/29/201
COMM 90 REVIEW	5/6/2011
BO SET	 5/26/201

SEALS AND SIGNATURES

KEY PLAN

1

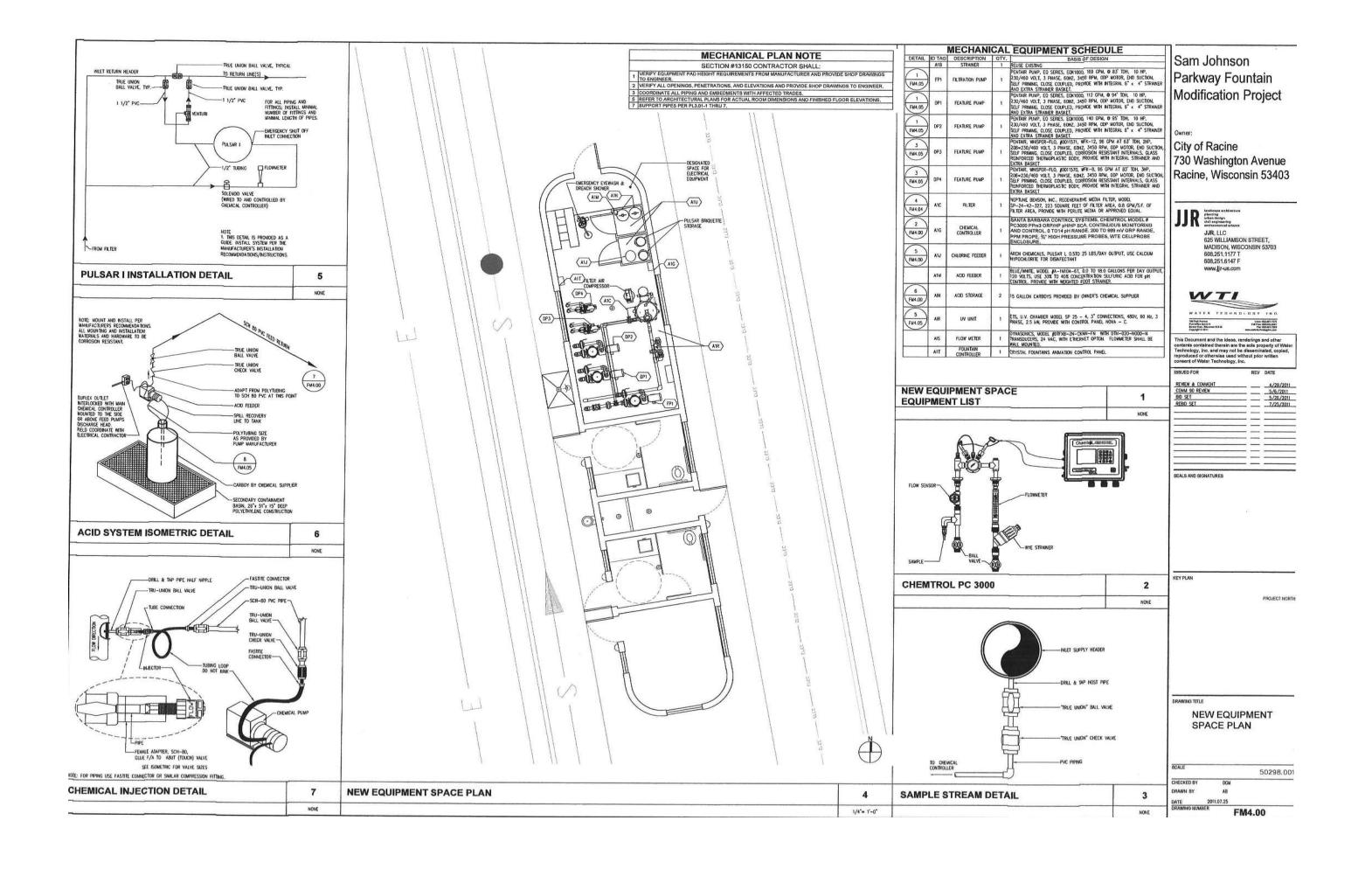
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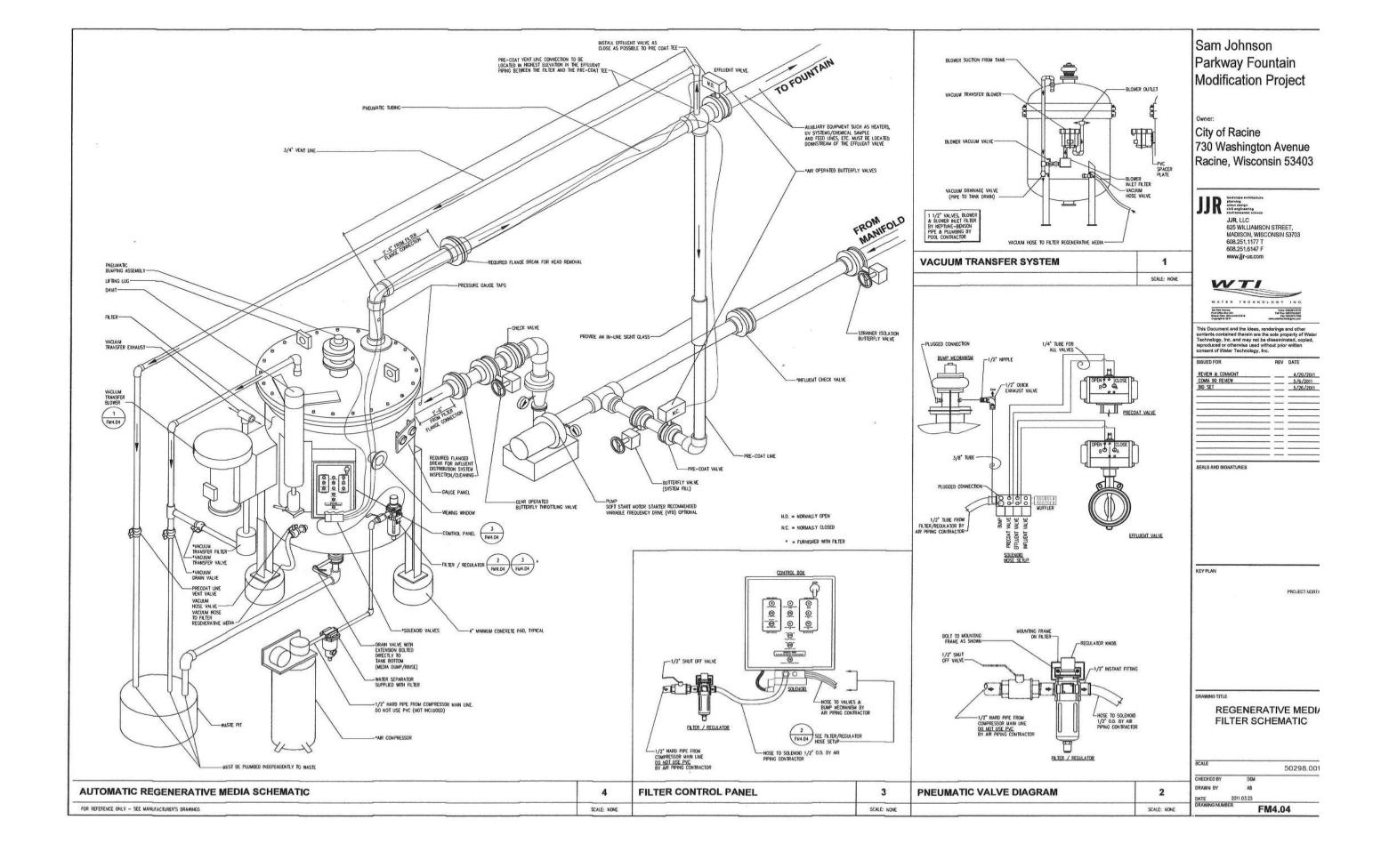
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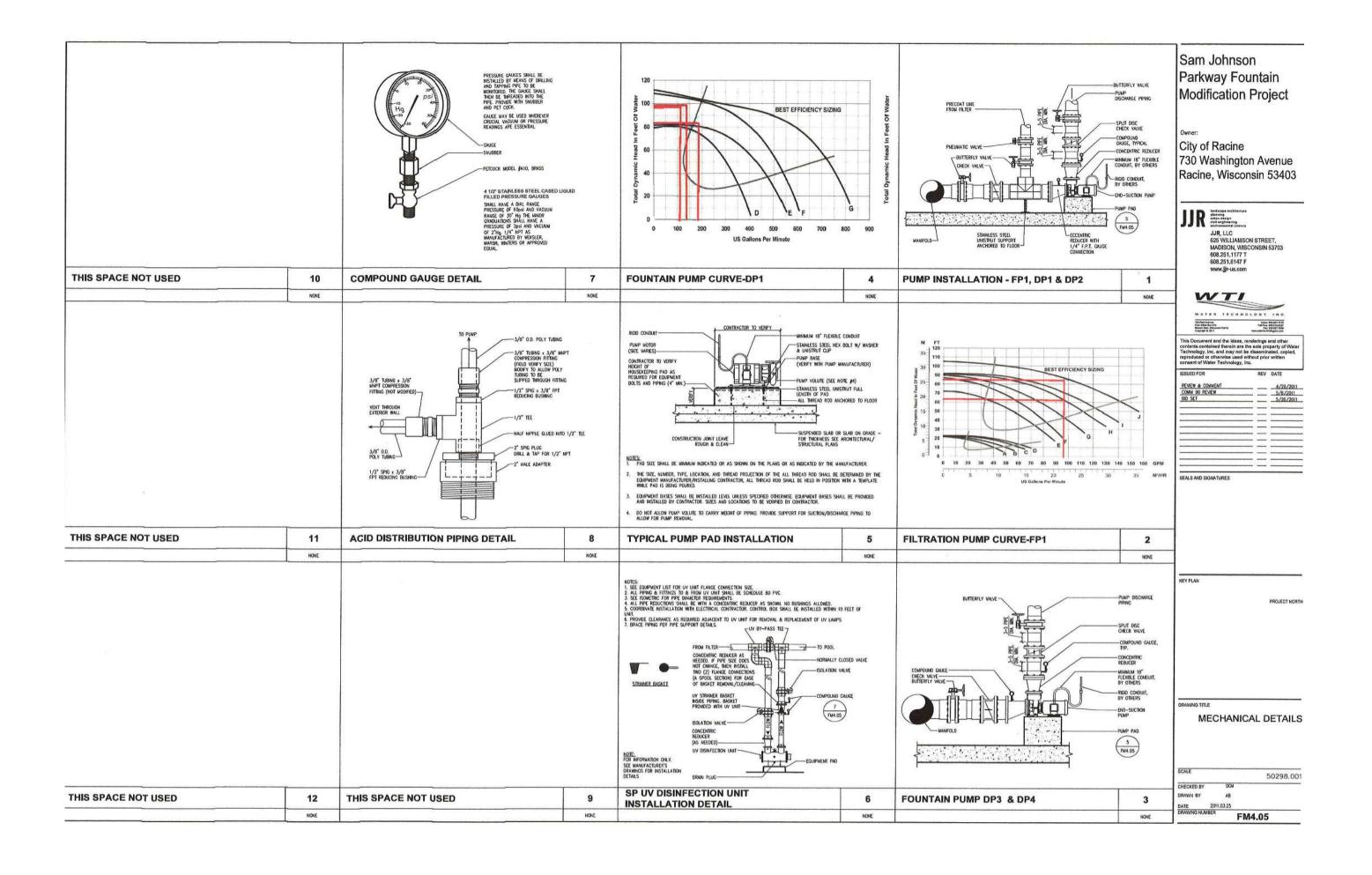
PROJECT NORTH

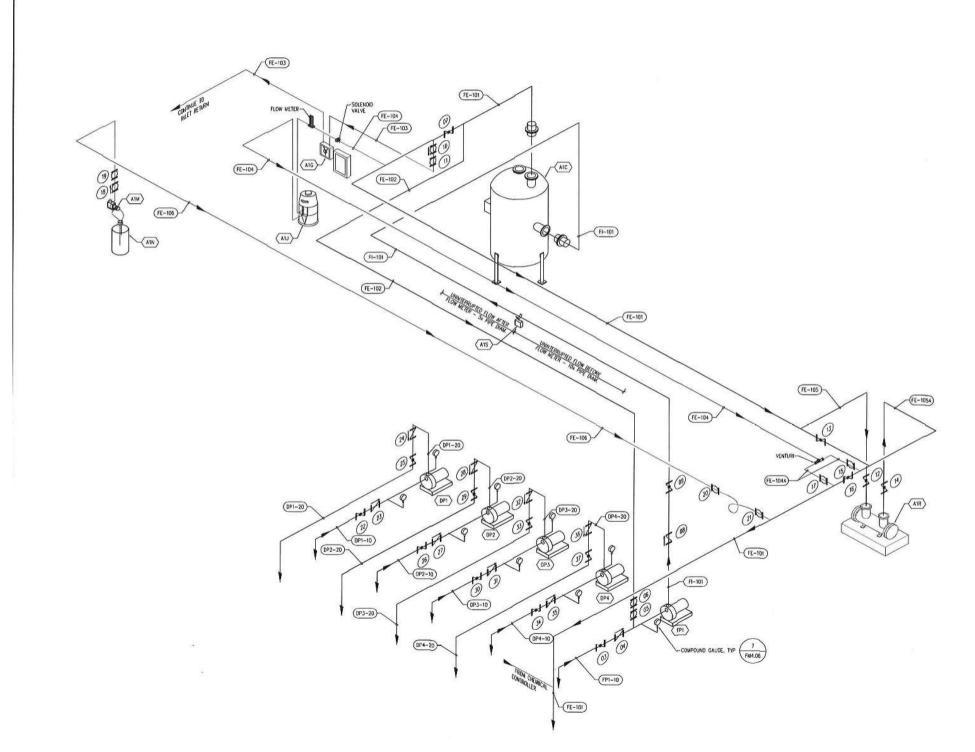
OVERALL PIPING PLAN

SCALE 50298.001 CHECKED BY DRAWN BY DATE 2 DRAWING NUMBER 2011.03.25 FM3.00 NONE









PIPE ID	TYPE	NPS	FLOW	VELOCITY	DESCRIPTION
		(in)	(gpm)	(fps)	
DP1-10	PVC SCH 80	3	112	5.6	SUCTION
DP1-20	PVC SCH 80	2.5	112	8,7	DISCHARGE
DP2-10	PVC SCH 80	4	140	4.0	SUCTION
DP2-20	PVC SCH 80	4	140	4.0	DISCHARGE
					•
DP3-10	PVC 8CH 80	3	96	4.8	SUCTION
DP3-20	PVC SCH BD	2.5	96	7.5	DISCHARGE
DP4-10	PVC SCH 80	3	96	4.8	SUCTION
DP4-20	PVC SCH 80	2.5	96	7.5	DISCHARGE
				1.00	
FP1-10	PVC SCH 80	4	169	4.8	SUCTION
FI-101	PVC SCH 80	3	169	8.4	FILTER INFLUENT
		-		-	
FE-101	PVC SCH 80	3	169	8.4	FILTER EFFLUENT
FE-102	PVC SCH 80	3	0	0.0	FILTER PRECOAT LINE
FI-101	PVC SCH 80	3	169	8.4	FILTER INFLUENT
FE-101	PVC SCH 80	3	169	8.4	FILTER EFFLUENT
FE-102	PVC SCH 80	3	0	0.0	FILTER PRECOAT LINE
FV-101	PVC SCH 40	0.75	0	0.0	FILTER VENT
FD-101	PVC SCH 40	2	0	0.0	FILTER DRAIN
FD-102	PVC 8CH 4D	2	0	0.0	VACUUM DRAIN
FE-103	PVC SCH 80	0.5	0	0.0	CHEMICAL SAMPLING
FE-104	POLY TUBING	0.5	0	0.0	CHLORINE LINE
FE-104A	PVC SCH 80	1,5	0	0.0	CHLORINE INJECTION LIN
FE-105	PVC SCH 80	3	169	8.4	UV INFLUENT
FE-105A	PVC SCH 60	3	169	8.4	UV EFFLUENT
FE-106	PVC 8CH 80	0.5	0	0.0	ACID INJECTION
			43		(*)
	80.4	-			72

		VAVLE	SCHEDULE		
10	VALVE TYPE	VALVE OPERATOR	VALVE DESCRIPTION		
03	BUTTERFLY	GEAR	FILTRATION PUMP SUCTION		
04	CHECK	****	FILTRATION PUMP SUCTION		
05	T.U.B.V.		FILTER PRECOAT		
06	BUTTERFLY	PNEUMATIC	FILTER PRECOAT		
07	BUTTERFLY	PNEUMATIC	FILTER PRECOAT		
08	CHECK	****	FILTRATION PUMP DISCHARGE		
09	BUTTERFLY	GEAR	FILTRATION PUMP THROTTLING		
10	T.U.B.C.		CHEMICAL SAMPLING		
11	T.U.B.V.	****	CHEMICAL SAMPLING		
12	BUTTERFLY	GEAR	UV INFLUENT		
13	BUTTERFLY	GEAR	UV BYPASS		
14	BUTTERFLY	GEAR	UV EFFLUENT		
15	T.U.B.V.	****	CHLORINE INJECTION		
16	BUTTERFLY	****	CHLORINE INJECTION		
17	T.U.B.V.	****	CHLORINE INJECTION		
18	T,U,B,C,				
19	T.U.B.V.		ACID PUMP THROTTLING		
20	T.U.B.V.		ACID INJECTION		
21	T.U.B.V.		ACID INJECTION		
22	BUTTERFLY	GEAR	PUMP SUCTION		
23	CHECK	****	PUMP SUCTION		
24	CHECK	****	PUMP DISCHARGE		
25	BUTTERFLY	GEAR	PUMP DISCHARGE		
26	BUTTERFLY	GEAR	PUMP SUCTION		
27	CHECK	****	PUMP SUCTION		
28	CHECK		PUMP DISCHARGE		
29	BUTTERFLY	GEAR	PUMP DISCHARGE		
30	BUTTERFLY	GEAR	PUMP SUCTION		
31	CHECK	****	PUMP SUCTION		
32	CHECK	****	PUMP DISCHARGE		
33	BUTTERFLY	GEAR	PUMP DISCHARGE		
34	BUTTERFLY	GEAR	PUMP SUCTION		
35	CHECK		PUMP SUCTION		
36	CHECK		PUMP DISCHARGE		
37	BUTTERFLY	GEAR	PUMP DISCHARGE		

DP2-10	PVC SCH 80	4	140	4.0	SUCTION
DP2-20	PVC SCH 80	4	140	4.0	DISCHARGE
DP3-10	PVC SCH 80	3	96	4.8	SUCTION
DP3-20	PVC SCH BD	2.5	96	7.5	DISCHARGE
-					1
DP4-10	PVC SCH 80	3	96	4.8	SUCTION
DP4-20	PVC SCH 80	2.5	96	7.5	DISCHARGE
				100	
FP1-10	PVC SCH 80	4	169	4.8	SUCTION
FI-101	PVC SCH 80	3	169	8.4	FILTER INFLUENT
					-
FE-101	PVC SCH 80	3	169	8.4	FILTER EFFLUENT
FE-102	PVC SCH 80	3	0	0.0	FILTER PRECOAT LINE
- 12					
FI-101	PVC SCH 80	3	169	8.4	FILTER INFLUENT
FE-101	PVC SCH 80	3	169	8.4	FILTER EFFLUENT
FE-102	PVC SCH 80	3	0	0.0	FILTER PRECOAT LINE
FV-101	PVC SCH 40	0.75	0	0.0	FILTER VENT
FD-101	PVC SCH 40	2	0	0.0	FILTER DRAIN
FD-102	PVC 8CH 40	2	0	0.0	VACUUM DRAIN
FE-103	PVC SCH 80	0.5	0	0.0	CHEMICAL SAMPLING
FE-104	POLY TUBING	0.5	0	0.0	CHLORINE LINE
FE-104A	PVC SCH 80	1,5	0	0.0	CHLORINE INJECTION LINE
FE-105	PVC SCH 80	3	169	8.4	UV INFLUENT
FE-105A	PVC SCH 60	3	169	8.4	UV EFFLUENT
FE-106	PVC 8CH 80	0.5	0	0.0	ACID INJECTION

			SCHEDULE	
10	VALVE TYPE	VALVE OPERATOR VALVE DESCRIPTION		
03	BUTTERFLY	GEAR	FILTRATION PUMP SUCTION	
04	CHECK	****	FILTRATION PUMP SUCTION	
05	T.U.B.V.		FILTER PRECOAT	
06	BUTTERFLY	PNEUMATIC	FILTER PRECOAT	
07	BUTTERFLY	PNEUMATIC	FILTER PRECOAT	
80	CHECK		FILTRATION PUMP DISCHARGE	
09	BUTTERFLY	GEAR	FILTRATION PUMP THROTTLING	
10	T,U,B,C,		CHEMICAL SAMPLING	
11	T,U,B,V,		CHEMICAL SAMPLING	
12	BUTTERFLY	GEAR	UV INFLUENT	
13	BUTTERFLY	GEAR	UV BYPASS	
14	BUTTERFLY	GEAR	UV EFFLUENT	
15	T.U.B.V.	****	CHLORINE INJECTION	
16	BUTTERFLY	****	CHLORINE INJECTION	
17	T.U.B.V.	****	CHLORINE INJECTION	
18	T,U,B,C,		ACID PUMP DISCHARGE	
19	T.U.B.V.	****	ACID PUMP THROTTLING	
20	T.U.B.V.		ACID INJECTION	
21	T.U.B.V.	****	ACID INJECTION	
22	BUTTERFLY	GEAR	PUMP SUCTION	
23	CHECK	****	PUMP SUCTION	
24	CHECK	****	PUMP DISCHARGE	
25	BUTTERFLY	GEAR	PUMP DISCHARGE	
26	BUTTERFLY	GEAR	PUMP SUCTION	
27	CHECK	***	PUMP SUCTION	
85	CHECK		PUMP DISCHARGE	
29	BUTTERFLY	GEAR	PUMP DISCHARGE	
10	BUTTERFLY	GEAR	PUMP SUCTION	
31	CHECK	****	PUMP SUCTION	
12	CHECK	****	PUMP DISCHARGE	
13	BUTTERFLY	GEAR	PUMP DISCHARGE	
14	BUTTERFLY	GEAR	PUMP SUCTION	
15	CHECK		PUMP SUCTION	
16	CHECK		PUMP DISCHARGE	
7	BUTTERFLY	GEAR	PUMP DISCHARGE	

Sam Johnson	
Parkway Fountain	
Modification Project	

City of Racine 730 Washington Avenue Racine, Wisconsin 53403

JJR statute mollistrate state state

WTI

SEALS AND SIGNATURES

KEY PLAN

PROJECT NORTH

	VALVE SCHEDULE NOTES
•	FURNISHED WITH FILTER.
T.U.B.V.	TRUE UNION BALL VALVE
T,U,B,C,	TRUE UNION BALL CHECK
S,S,E,G.	SUBMERGED SERVICE EXTENDED GEAR
NOTES	
1	SEE FM4.00 FOR EQUIPMENT LOCATIONS.
2	SUPPORT PIPES PER DETAILS FM3.01-1 THRU 7.
3	REFER TO VALVE SCHEDULE FOR; VALVE NUMBERS, LOCATION, AND QUANTITIES.
4	ARROWS DENOTE DIRECTION OF FLOW.
5	NOTE: THE INTENT OF THIS SCHEDULE IS NOT TO INCLUSIVE OF ALL VALVES REQUIRED FOR THIS PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ALL VALVES REQUIRED.
6	THIS DRAWING IS FOR SCHEMATIC USE ONLY.

FOUNTAIN ISOMETRIC

50298.001 DRAWN BY FM5.00

WATER FEATURE COMPONENTS BY: CRYSTAL FOUNTAINS PH: 905 660 6674 FAX: 905 660 6916

WIKE LEGENU	
	CONDUIT
	WIRES
	POWER
	COMMUNICATIO
	PLC CONTROL C

PIPING LEGEND

STANDARDS ASSUMPTIONS &

- THE ENGINEERING INFORMATION ON THIS PAGE IS BASED ON THE FOLLOWING ASSUMPTIONS/STANDARDS:

 (1) WATER DISCHARGE FROM THE NOZZLES SHALL BE AT 20 FPS MAX FOR INTERRACTIVE PLAY

 (2) PUMPS SHALL OPERATE WITH FLOODED SUCTION

 (3) EQUIPMENT ROOM IS WITHIN 200 FT. OF FEATURE

 (4) SUCTION PIPS VELOCITY SHALL BE LESS THAN 6 FPS

 (5) DISCHARGE PIPE VELOCITY SHALL BE LESS THAN 8 FPS

 (6) PUMP SUCTION MUST BE PROTECTED BY AN INLET STRAINER. PERFORATION SIZE SHALL NOT EXCEED 1/8" DIAMETER

 (7) GRAVITY DRAINS TO SLOPE MINIMUM 1/4" PER FOOT MAXIMUM VELOCITY 3 FPS

 (8) THE MINIMUM FILERATION TURNOVER FOR THE WATER VOLUME CONTAINED WITHIN AN INTERRACTIVE WATER FEATURE SHALL NOT BE LESS THAN 1 TURNOVER EVERY 30 MINUTES.

 (9) WATER FEATURES SHALL COME EQUIPPED WITH AN AUTOMATIC CHEMICAL DOSING SYSTEM WITH A MINIMUM OF 2 SENSORS, ORP AND PH.

 (10) CALCULATIONS, PIPE SIZES, FIITINGS AND ALL OTHER SIZING AND CALCULATED FIGURES ANE BASED UPON THE USE OF STANDARD NORTH AMERICAN SCHEDULE 80 PVC PIPE AND FITTINGS.

 (11) CONDUIT SIZES BASED ON NEC CHART FOR THIN WIRE AND ENT CONDUIT (12) LOW VOLTAGE LIGHTING CALCULATIONS ARE BASED ON MAXIMUM 12.5, MIN 11.5 VOLTS AT THE LAMP USING MAXIMUM 13.5 VOLT TAP ON THE TRANSFORMER

 (13) REFER TO SHOP DRAWING (CUT SHEET) FOR OPERATIONAL PARAMETERS

 (14) CONTACT CRYSTAL FOUNTAINS FOR ADDITIONAL INFORMATION

 (15) LOCAL CODES ARE TO BE VERIFIED AND SUPERCEDE THESE DRAWINGS

INSTALLING CONTRACTOR COMPONENTS

COL	MPONENTS SUPPLIED BY INSTALLING NTRACTOR (NOT SUPPLIED BY CRYSTAI INTAINS)
ІТЕМ	POWER SUPPLY FROM MAIN SOURCE TO PANEL IN EQUIPMENT ROOM, WITH MAIN DISCONNECT.
ITEM	ALL INTERCONNECTING WIRING AND CONDUIT BETWEEN COMPONENTS AND BETWEEN CONTROL PANEL AND COMPONENTS
ITEM	ALL PIPEWORK, VALVES AND FITTINGS TO AND FROM EQUIPMENT PIT TO WATER FEATURE.
ITEM	ALL PUMPS, CONTROL PANELS, FITTINGS, FILTERS, SURGE TANKS OR OTHER EQUIPMENT SHOWN BUT NOT LISTED ABOVE AS SUPPLIED BY CRYSTAL FOUNTAINS
ITEM	ARCHITECTURAL, STRUCTURAL ELEMENTS, WATER PROOFING OR BASIC SERVICES SUCH AS BUT NOT LIMITED TO CORE HOLES, CURBING, SERVICES TO EQUIPMENT ROOM (WATER, POWER, VENTILATION, DRAIN TO WASTE)

CRYSTAL COMPONENT BILL OF MATERIALS

QTY	PART NO.	DESCRIPTION
8	LED182	RGB Foot Friendly Sequencing Deck
8	NWS110C115	LED182 effect nozzle
6	AFI200	Pump discharge filter
1	DTS300	Threadded Sleeve 3 In
6	DSA300	Suction Drain 3 In W/ Fibre Av Plate
1	DPB200	Outlet Drain 2 In
2	DSA400	Suction Drain 4 In W/ Fibre Av Plate
1	DOW400	Over Flow Drain Heavy Duty 4 In
8	ELCORD182L09	9 ft.
1	LED154	V BLAST - RGB LIGHT
10	CUSTOM	J5139500 CUSTOM LED170
1	LEDQUE1	DMX STORAGE AND PLAYBACK UNIT IPLAY3
1	LEDPS503	12V 12 LIGHT POWER SUPPLY
10	DTS100	THREADED SLEEVE FITTING 1 IN
6	NLC075	COLUMN JET 1 IN
6	DTS075	THREADED SLEEVE FITTING 3/4 IN
2	LED190002	12V 30W NICHED RGB LED PLAYDECK LIGHT
1	ESS200	WATER LEVEL SENSOR (FREE STANDG)
1	ECW100	WIND CONTROL
1	EBJ204A101	JUNCTION BOX FACTORY-DRILLED
1	EPA075	STUB UP 3/4 IN
4	EBJ C10	210Z J-BOX POTTING COMPOUND
2	EBJ208A101	JUNCTION BOX FACTORY-DRILLED
2	EPA125	STUB UP 1 1/4 IN
В	EGS053	CORD SEAL #18/5 CABLE PLASTIC
1	EBJ208A101	JUNCTION BOX FACTORY-DRILLED
1	EPA150	STUB UP 1 1/2 IN
8	EGS052	CORD SEAL 23/64 IN-7/16 IN
1	EL PKIT85	DMX PROGRAMMER KIT
1	CONTROL PANEL	PROJECT QUOTATION PURPOSE

Sam Johnson Parkway Fountain Modification Project

City of Racine 730 Washington Avenue Racine, Wisconsin 53403

JJR landicape architectus plansing urbs design civil engineering civil engineering environmental science

JJR, LLC 625 WILLIAMSON STREET, MADISON, WISCONSIN 53703 608.251.1177 T 608,251,6147 F



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REVIEW & COMMENT		4/2
COMM 90 REVIEW		5/6
BID SET		_5/2
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SEALS AND SIGNATURES

KEY PLAN

BILL OF MATERIALS

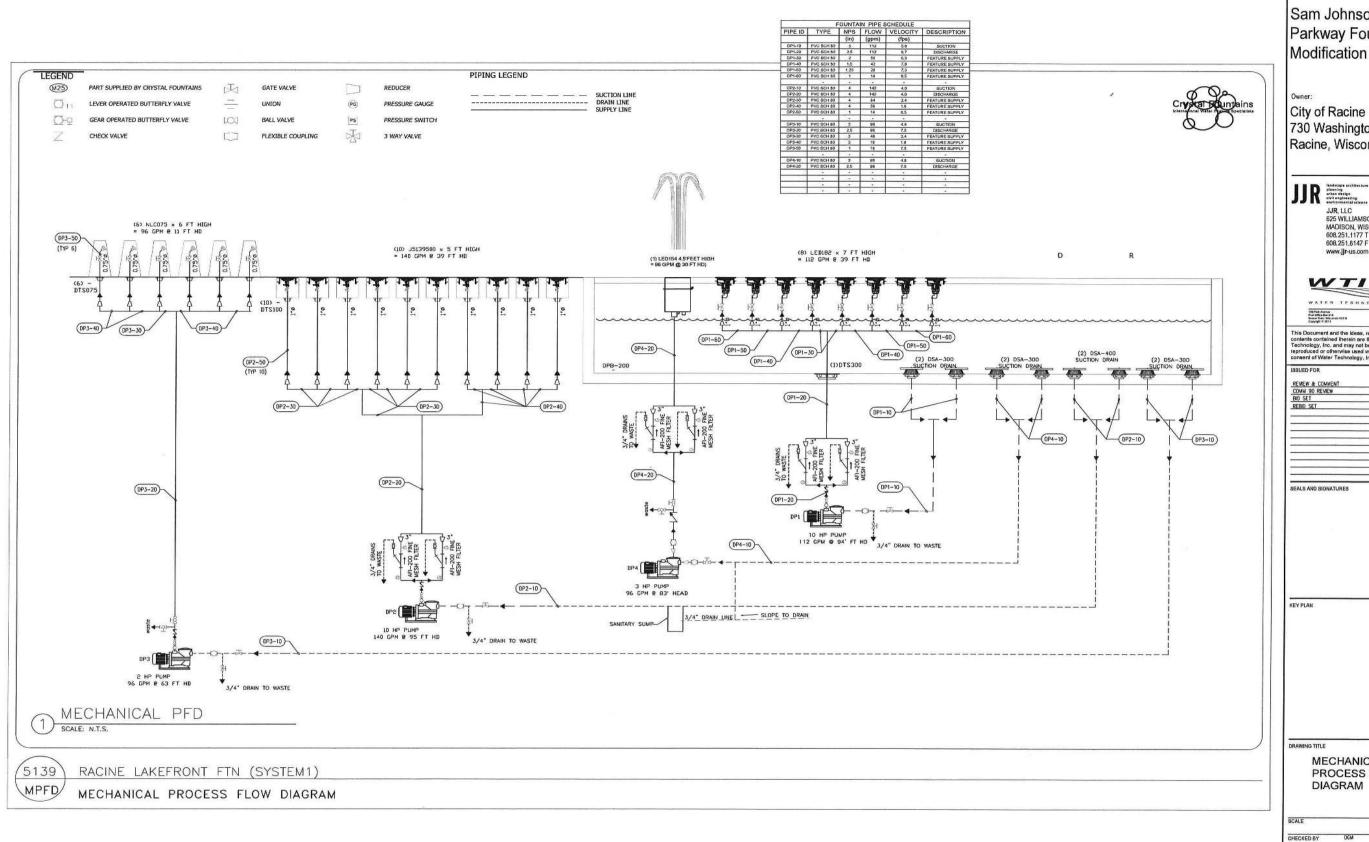
SCALE 50298.00 CHECKED BY DRAWN BY DATE 2011.03.25 DRAWING NUMBER FM6.00

5139 RACINE LAKEFRONT FTN

PFD BILL OF MATERIALS

REV.

DATE: Tue Apr 05 15:41:26 EDT 2011



730 Washington Avenue Racine, Wisconsin 53403

JJR, LLC 625 WILLIAMSON STREET, MADISON, WISCONSIN 53703 608.251.1177 T 608.251.6147 F

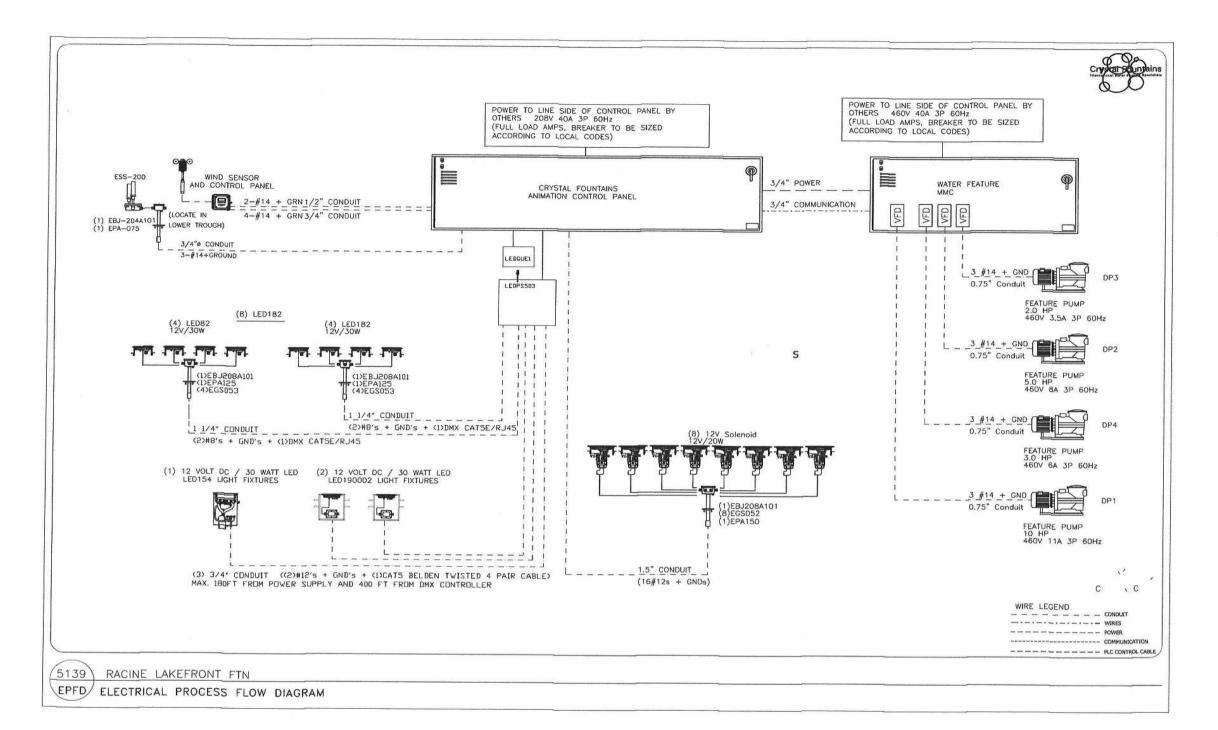


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MECHANICAL PROCESS FLOW DIAGRAM

DRAWING NU	MBER	FM6.01
DATE	2011.03.25	
DRAWN BY	AB	
CHECKED BY	DCM	
JUNE		50298.0
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Own

City of Racine 730 Washington Avenue Racine, Wisconsin 53403

JJR Indicator activators activato



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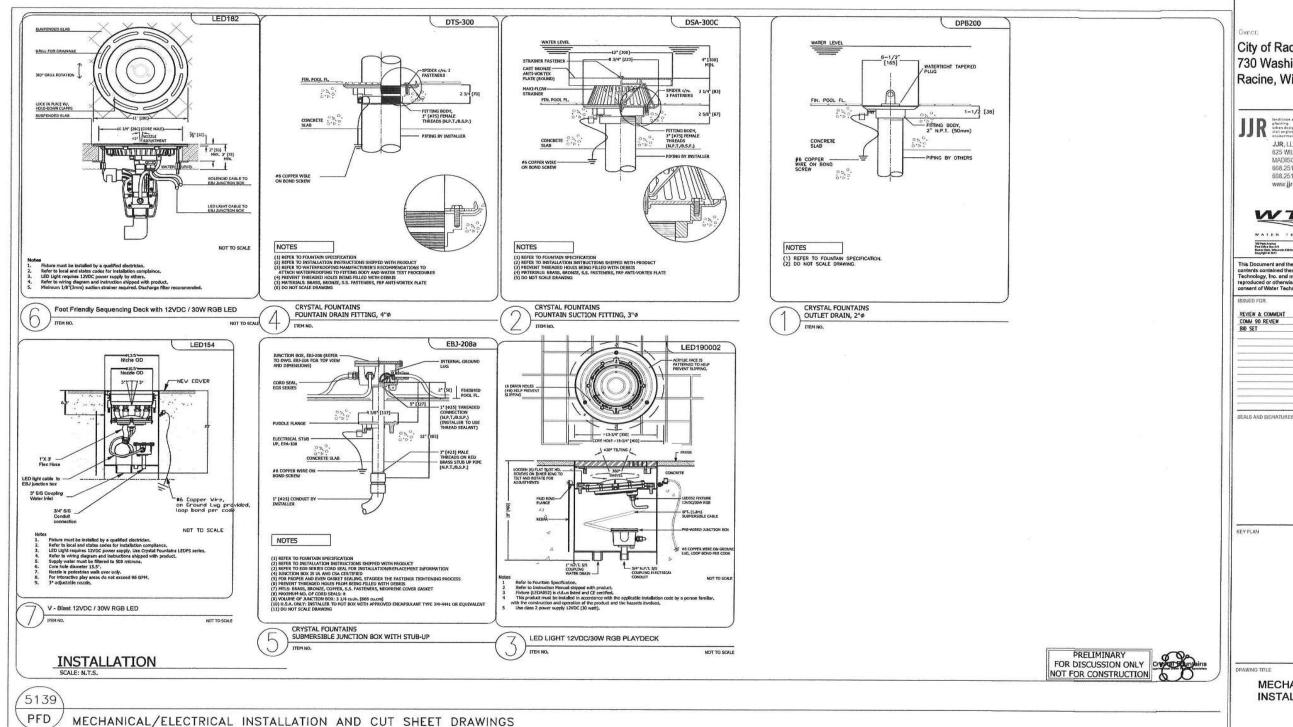
SEALS AND SIGNATURES

KEY PLAN

PROJECT NORTI

DRAWING TITLE

ELECTRICAL PROCES: FLOW DIAGRAM



City of Racine 730 Washington Avenue Racine, Wisconsin 53403

JJR, LLG 625 WILLIAMSON STREET, MADISON, WISCONSIN 53703 608.251.6147 F www.jjr-us.com



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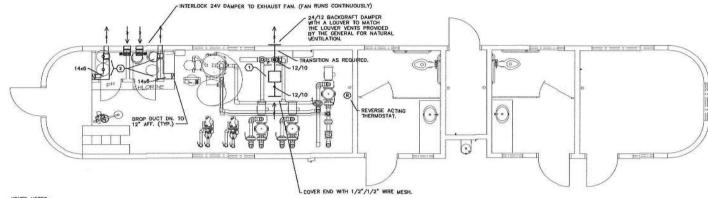
PROJECT NORSH

MECHANICAL-ELECTRICAL INSTALLATION

50298.001 DRAWN BY FM6.03

GENERAL PROJECT NOTES

- EXISTING PROJECT CONDITIONS: INFORMATION PERTAINING TO EXISTING PROJECT CONDITIONS. SUCH AS PRESENT LOCATIONS OF ARCHITECTURAL AND STRUCTURAL BULLDING COMPONENTS, MECHANICAL AND ELECTRICAL EQUIPMENT, PIPPIG, DUCTWORK, ROUGH-INS, AND OTHER MISCELLAMEOUS CONSTRUCTION, APPEARS OF THE DRAWNOS. WHILE SUCH INFORMATION HAS BEEN BASED ON AVAILABLE RECORDS AND COLLECTED WITH REASONABLE CAME, THE EMOINTER DOES NOT ASSUME ANY EXPRESSED OR IMPLIED GUARANTEE THAT CONDITIONS SO INDICATED ARE SHOWN ENTIRELY COMPLETE, CORNECT AND EXPRESENTATIVE OF THOSE ACTUALLY EXISTING. MECHANICAL CONTRACTORS SHALL SATISTY THEMSELVES AS TO ALL EXSTRICT JOES CONDITIONS PRIOR TO BIDDING, AND VERTIFY ALL SATISTY THEMSELVES AS
- BACKGROUND FLOOR PLAN FOR REFERENCE ONLY, REFER TO ARCHITECTS
- HVAC CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL EQUIPMENT, DUCTWORK, AND PIPING IN ALL ROOMS WITH THE GENERAL CONTRACTOR PRIO TO PERFORMING WORK.
- COORDINATE LOCATION OF ALL GRILLES AND/OR DIFFUSERS, EXPOSED DUCTWORK
- PROVIDE ALL MATERIALS, EQUIPMENT, AND LABOR REQUIRED TO INSTAL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THI
- INSTALL ALL MECHANICAL EQUIPMENT, AND APPURTENANCES IN ACCORDANC WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND
- COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED TRAININGS, COORDINATE AND PROVIDE PIPING TRANSITIONS REQUIRED FOR FINA EQUIPMENT. FIELD VERIFY AND
- ALL MISCELLANEOUS STEEL REQUIRED TO ENSURE PROPER INSTALLATION AND AS SHOWN IN DETAILS FOR PIPING, DUCTWORK, AND EQUIPMENT (UNLESS OTHERWISE NOTED) SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR,
- CONTRACTOR TO REFER TO OWNERS EQUIPMENT MANUAL FOR HVAC INSTALLATION
- HVAC CONTRACTOR SHALL COORDINATE ELECTRICAL REQUIREMENTS WITH E. PRIOR TO INSTALLATION, DISCUSS ALL DISCREPANCIES WITH OWNERS REPRESENTATIVE PRIOR TO START OF INSTALLATION.



KEYED NOTES

THINE EXHAUST FAN, USE GREENHECK MN, SP-A780 WITH GRANTY BACK DRAFT DAMPER. OR EGUAL. V=115_207_1, IP=1/6 CPM=700. THE GRANTY BACK DRAFT DAMPER. OR EGUAL. V=115_207_1, IP=1/6 CPM=700. THERMOSTAT SO FAN COMES ON AT BO TO 90°. INSTALL AT NIME FEET ABOVE FINISHED FLOOR. COORDINATE INTO ACCUST ON AND HEALT WITH SEC. DRAFT DATE AND HEALT WITH SEC. DRAFT DATE AND HEALT STATE OF THE GRANT DATE OF THE GRANT DATE

THIS CONTRACTOR SHALL PROVIDE
DEDUCT PRICE TO NOT PROVIDE AND INSTALL
THE BACKDRAFT DAMPER DUCTWORK AND FAN
AT THIS TIME. OPENING SHALL BE ROUGHED
IN AND BLANK OFF WASTHER TIGHT FOR FUTURE.
ELECTRICAL CONDUIT FOR REVERSE ACTING THERMOSTA
AND DAMPER TO FAME AND PRICE TO FAME.

(2) NILME ENHAUST FAN SHALL OPERATE CONTINUOU USE A CHEMICAL RATED TYPE ESHAUST FAN. USE HEE HPC105D OR EQUAL. (CONTACT SOME CONGEN AT YORD FOR PURTHER INFO.) FAN SHALL ESHAUST 340 CFM AT .775 WG. PROVIDE AND INSTALL 18-14*18-ENCEPAT DAMPE WITH A GREENHECK LOUVER MN. ESD-835 WITH FREE AREA OF NO LESS THEN 50X AND A FACE VELOCITY OF AROUND 700. ALL DUCTWORK SHALL BE CONSTRUCTED OF ALL DUCTWORK SHALL BE CONSTRUCTED OF CHEMICALS USED. PERMICALS USED. PERMICALS



730 Washington Avenue
Racine, Wisconsin 53403

JJR Infection architecture
Strategies of the delignment of the delignment

Sam Johnson Parkway Fountain Modification Project

City of Racine

Consultant oiscipLine To Address Two City, State, Zip Phone

Consultant DISCIPLINE Of Address One City, State, Zip

| ISSUED FOR | REV DATE | REVEW & COMMENT | 4/29/11 | BID | 9/13/11 |

KEY PLAN

DRAWING TITL

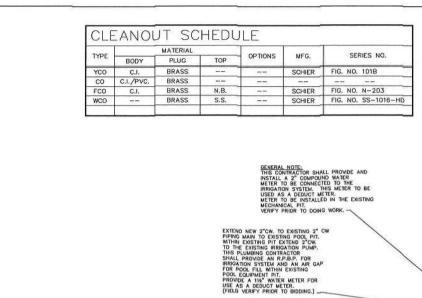
FLOOR PLAN

PERNOLL MECHANICAL
3N, INC.
A. COSSEATANTS
GAO
Phone: (920) 474-3123
P.G. BOX 139
Emgle Info@cmd-Inc.set

SCALE 5029B.001
PROJECT NUMBER

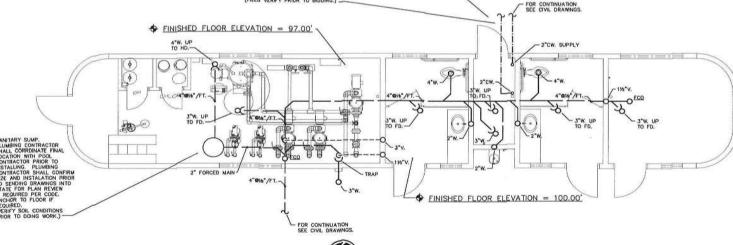
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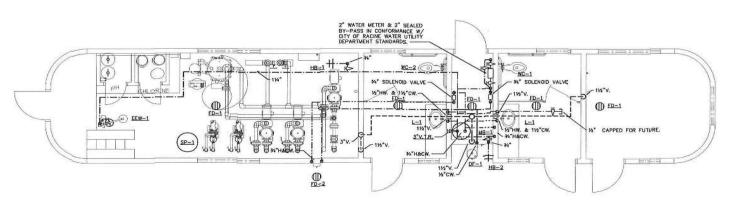


TYPE SIZE	MATERIAL STRAINER FLASHING			MATERIAL		STRAINER FLASHING		STRAINER FLASHING		FLASHING	
	SIZE	BODY	TOP	DIAMETER CLAMP			SERIES NO.				
FD-1	3"	PVC	N.B.	61/2" DIA.	NO	SIOUX CHIEF	FIG. NO. 833-PNR				
FD-2	3"	PVC	N.B.	61/2" DIA.	NO	SIOUX CHIEF	FIG. NO. 833~PNR				

FIXTL	JRE AND EQUIPMENT SCHEDULE
LABEL	DESCRIPTION
M8-1	SINK, FAUCET & STRAINER PER BUILDING SPECIFICATIONS. PLUMBING CONTRACTOR SHALL PROVIDE ALL PVC WASTE PIPING, STAINLESS TAILPIECE & TRAP, STOPS AND SUPPLIES.
DF-1	DRINKING FOUNTAIN PER BUILDING SPECIFICATIONS. PLUMBING CONTRACTOR SHALL PROVIDE ALL PVC WASTE PIPING, STAINLESS TAILPIECE & TRAP, STOPS AND SUPPLIES.
L-1	SINK, FAUCET & STRAINER PER BUILDING SPECIFICATIONS. PLUMBING CONTRACTOR SHALL PROVIDE ALL PVC WASTE PIPING, STAINLESS TAILPIECE & TRAP, STOPS AND SUPPLIES.
WC-1	STAINLESS STEEL FLOOR MOUNTED WATER CLOSET PER BUILDING SPECIFICATIONS. P.C. SHALL PROVIDE ALL PVC WASTE PIPING, STAINLESS TAILPIECE & TRAP, STOPS AND SUPPLIES.
WC-2	STAINLESS STEEL FLOOR MOUNTED WATER CLOSET PER BUILDING SPECIFICATIONS. P.C. SHALL PROMDE ALL PVC WASTE PIPING, STAINLESS TAILPIECE & TRAP, STOPS AND SUPPLIES.
WH-1	WATER HEATER PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR. PLUMBING CONTRACTOR SHALL PROVIDE ALL PIPING, VALVES AND CIRCULATING PUMPS.
HB-1	HOSE BIBB WITH KEY TYPE VALVE PER BUILDING SPECIFICATIONS. PLUMBING CONTRACTOR SHALL PROVIDE ALL PIPING & VALVES.
HB-2	HOSE BIBB WITH KEY TYPE VALVE AND LOCKABLE COVER PER BUILDING SPECIFICATIONS, PLUMBING CONTRACTOR SHALL PROVIDE ALL PIPING & VALVES.
EEW-1	EMERGENCY EYE WASH SHOWER PROVIDE AND INSTALLED BY PLUMBING CONTRACTOR. PLUMBING CONTRACTOR SHALL PROVIDE ALL PIPING & VALVES.
SP-1	SANITARY SUMP AS REQUIRED PER CODE. PROVIDE A MINIMUM OF 50 GPM AND A 24"X48" SUM PROVIDE 120V/1 PH, 1/2 HP WITH 10 FT. HEAD PRESSURE OR AS REQUIED PER FINAL DESIGN. THIS PLUMBING CONTRACTOR SHALL SZE AND PROVIDE ALL PIPING & BACKFLOW YALVE PER COD

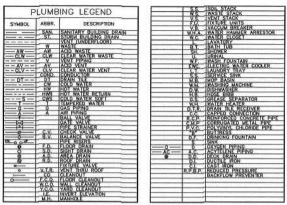


PLAN NORTH



BELOW FLOOR PLAN - PLUMBING





GENERAL NOTES:
SUPPORT PRE AND FITTINGS PER COMM 82.50.
SUPPORT PRE STOPPING OF PIPE PENETRATIONS PER BUILDING CODE.
TERMINATE VIANT STACK PER COMM 82.31(18).
KEEP ALL OVERHEAD PIPING WITHIN TRUSS.

- ALL DRAIN, WASTE & VENT PIPING SHALL BE SCHEDULE 40 P.V.C. PIPE & FITTINGS

 ALL WATER PIPING SHALL BE TYPE 'L' PIPE & FITTINGS

 ONLESS NOTED OFFICKMES.

 CALL THE CITY OF RACHE FOR INSPECTIONS.

 SANTRAY BUILDING DRAIN "A" NO PITCH
 SANTRAY BUILDING DRAIN "A" A" SPECIAL PROPERTY.

 GRANULAGE BACKFILL ALL TRENCHES, EXCESS SPICE REMOVED FROM SITE.

 NIBGO PULL PORT TWO PIECE BALL VALVES

 VERITY WATER ROUTING WITH OTHER TRADES BEFORE BUSINEATED.

 INSIGN STALLATION.

 INSULATE & COVER ALL HOT WATER PIPING WITH 1" COLD WATER PIPING WITH W".

 PROVIDE STOPS ON ALL FIXTURES PER COMM 82.40 (4) (6).

 ALL DIPING INSTALLED IN PLENUM SHALL BE INSTALLED PER LOCAL AND STATE CODES.

 ALL STORM & SANTRAY PIPING SHALL BE INSTALLED & INSULATED.

- ALL STORM & SANITARY PIPING SHALL BE INSTALLED & INSULATED PER LOCAL AND STATE CODES.
- THIS PLUMBING CONTRACTOR SHALL CONFIRM ALL SIZES OF EQUIPMENT AND AND PIPING TO MAKE SURE THEY MEET ALL LOCAL AND STATE COOES. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK.

Modification Project City of Racine

730 Washington Avenue Racine, Wisconsin 53403

Sam Johnson

Parkway Fountain

JJR sandycape architectur planning urban design chyll englesering sandrenmental science JJR, LLC 625 WILLIAMSON STREET, MADISON, WISCONSIN 53703

608.251.1177 T 608.251.6147 F www.llr-us.com

Consultant One

SEALS AND SIGNATURES

ISSUED FOR REVIEW & COMMENT

BELOW FLOOR PLAN, FLOOR PLAN, &

50298.001 PROJECT NUMBER M2

SCHEDULES

SCOPE DESIGN GUIDELINES

COPPERNOLL DESIGN, INC.	MECHANICAL	
N8415 BRANCH ROAD IXDNIA, WI 53D36 MAILING ADDREES: P.G. BOX 139 IXDNIA, WI 53D36-D199	Phone: (920) 474-3123 Fax: (920) 474-3140 Email: Info@cmd-inc.net	