

Department of Public Works

Engineering Division

Robert F. Phillips, P.E., City Engineer

City-County Building, Room 115
210 Martin Luther King, Jr. Boulevard
Madison, Wisconsin 53703
Phone: (608) 266-4751
Fax: (608) 264-9275
engineering@cityofmadison.com
www.cityofmadison.com/engineering

Assistant City Engineer Michael R. Dailey, P.E.

Principal Engineers Christina M. Bachmann, P.E. John S. Fahrney, P.E. Gregory T. Fries, P.E.

Christopher J. Petykowski, P.E. Facilities & Sustainability Jeanne E. Hoffman, Manager

> Operations Manager Kathleen M. Cryan

Mapping Section Manager Eric T. Pederson, P.S.

Financial Manager Steven B. Danner-Rivers

Hydrogeologist Brynn Bemis

February 19, 2014

NOTICE OF ADDENDUM -

ADDENDUM NO. 2 ELVER AND REINDAHL PARK SPLASH PADS CONTRACT NO. 7259

Revise and amend the contract document(s) for the above project as stated in this addendum, otherwise, the original document shall remain in effect.

Plans

- 1. The revised plan sheet substitutions below reflect changes to the bicycle parking pad dimensions, the water containment system type and connections, and storm sewer connections for Elver Park Splash Pad.
 - DELETE:
 - SHEET C3.0
 - SHEET C5.0
 - SHEET C5.2
 - o SHEET C7.9
 - SHEET C7.10
 - SHEET C7.11
 - SHEET C7.12
 - SHEET C7.13
 - REPLACE WITH:
 - SHEET C3.0 ADDENDUM 2
 - SHEET C5.0 ADDENDUM 2
 - SHEET C5.2 ADDENDUM 2
 - SHEET C7.9 ADDENDUM 2
 - SHEET C7.10 ADDENDUM 2
 - SHEET C7.11 ADDENDUM 2
 - o SHEET C7.12 ADDENDUM 2
 - SHEET C7.13 ADDENDUM 2

2. REINDAHL SPLASH PAD, SHEET C500 UTILITY PLAN:

- Add the following NOTES to this sheet:
 - 1. Castings for 4x4 SAS and sanitary manholes shall be per City of Madison Standard Detail Drawing 5.7.16, casting Type R-1550, 9" Non-rocking access structure frame.
 - 2. Castings for 3x3 catch basin shall be per City of Madison Standard Detail Drawing 5.7.3, casting Type R-1878-A10G.

Special Provisions

- 1. Page D-2:
 - DELETE SECTION 105.9: SURVEYS, POINTS AND INSTRUCTION
 - REPLACE WITH:

SECTION 105.9: SURVEYS, POINTS, AND INSTRUCTION

The Contractor shall be responsible for setting all lines and/or grades required to complete the work for the Elver Park and Reindahl Park splash pads. Any questions regarding the layout and staking of this project should be directed to Sarah Lerner at the Parks Division at 261-4281. Horizontal and vertical survey controls already exist onsite and are available from the City of Madison Parks Division. CAD files will be made available to the awarded Contractor's surveyor.

Proposal Page

1. REVISE ELVER PARK SPLASH PAD PROPOSAL PAGE:

BID ITEM 30301 5 INCH CONCRETE SIDEWALK (TYPE 1) quantity is 7193 SF.

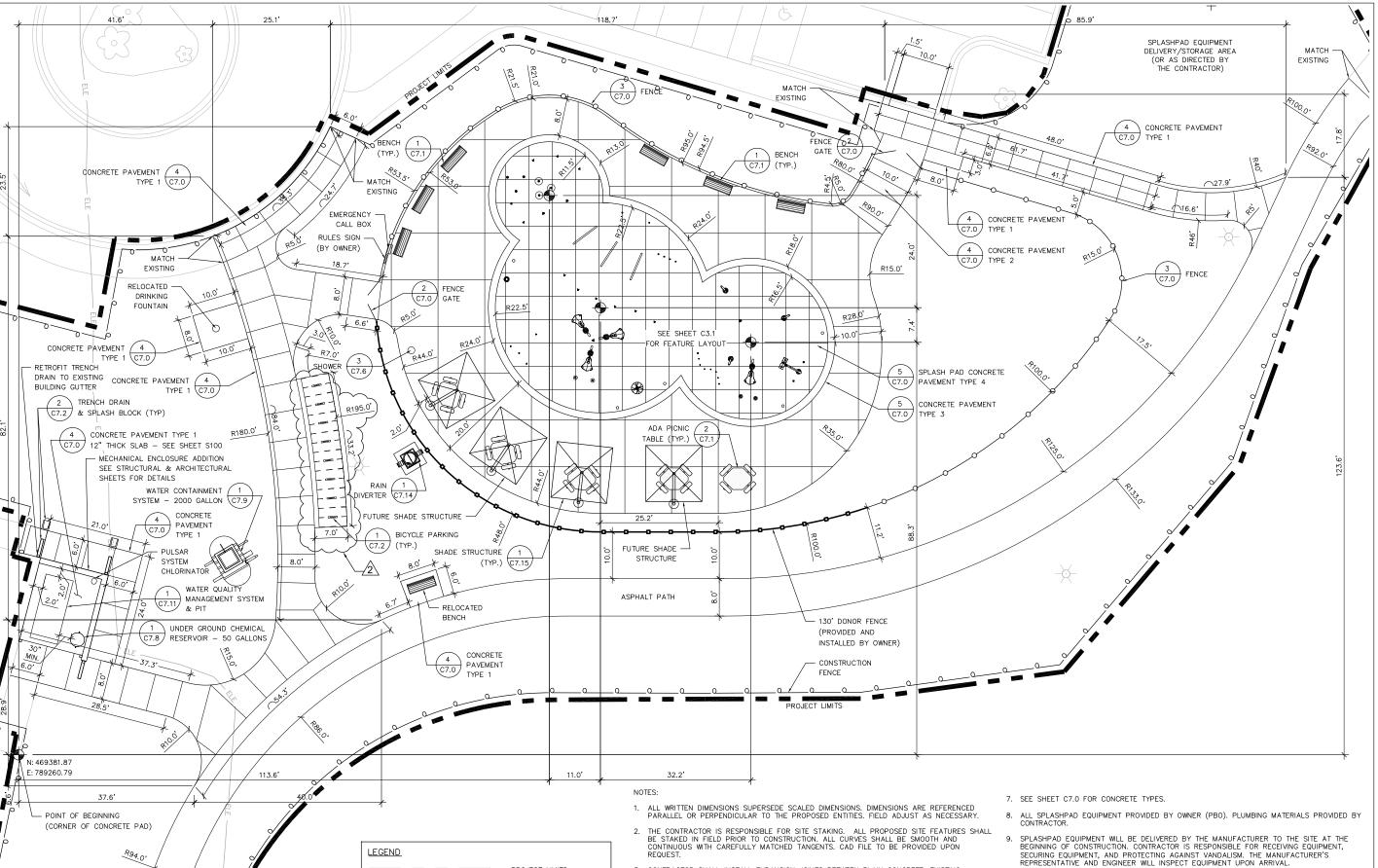
Please acknowledge this addendum on page E1 of the contract documents and/or in Section E: Bidder's Acknowledgement on Bid Express.

Electronic version of these documents can be found on the Bid Express web site at:

http://www.bidexpress.com

If you are unable to download plan revisions associated with the addendum, please contact the Engineering office at 608-266-4751 receive the material by another route.

Kevin Briski, Parks Superintendent



3. CONTRACTOR SHALL INSTALL EXPANSION JOINTS BETWEEN PLAIN CONCRETE, EXISTING

4. CONTRACTOR TO SUBMIT JOINTING AND SCORING PLAN PRIOR TO INSTALLATION OF CONCRETE

5. CONTRACTOR TO SUBMIT INTEGRAL COLOR SAMPLES TO ENGINEER PRIOR TO INSTALLATION, SEE MANUFACTURES RECOMMENDATIONS.

SEPARATE CONCRETE POURS MUST BE DOWELED UNLESS OTHERWISE PROPOSED BY CONTRACTOR IN WRITING.

CONCRETE, CURBS, OR STRUCTURES IN ADDITION TO AREAS AS NEEDED.

PAVEMENT TO ENSURE CONSTRUCTABILITY

LEGEND

MATCH -

FXISTING

PROJECT LIMITS

CONSTRUCTION FENCE

ORNAMENTAL FENCE DONOR FENCE

FX. 3-PHASE FLECTRICAL

SAA Design Group, Inc.

Revision ADDENDUM 2 02/14/2014

Project Name

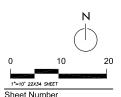
Elver Park Splashpad

1250 McKenna Blvd Madison, WI 53719

Drawn By: KM Checked By: BT File: P-SP Issued For: Bidding 1/30/2014 Issue Date: Project No. 2532

DRAWING

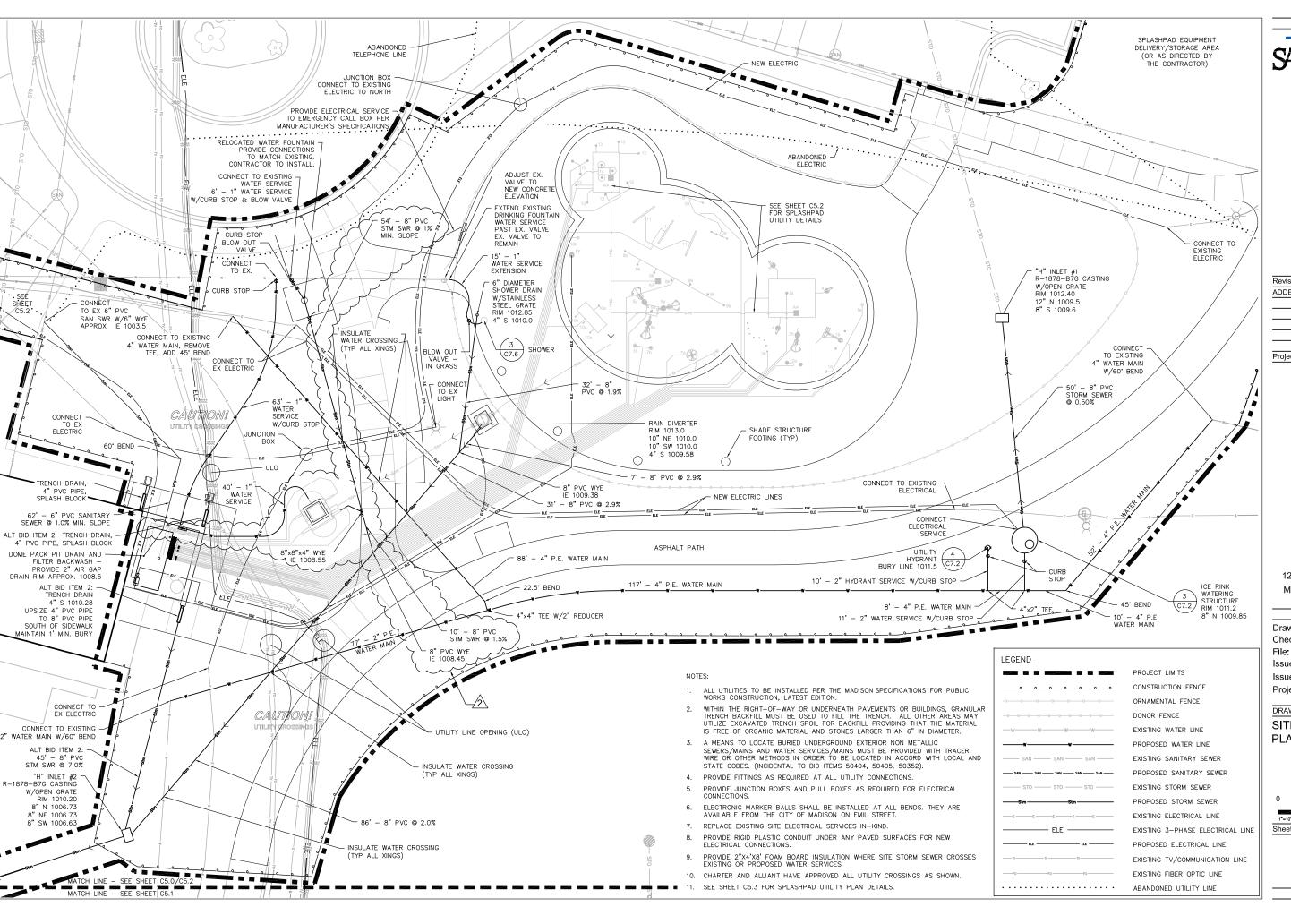
SITE LAYOUT PLAN



11. ALL FOUR SHADE STRUCTURE FOOTINGS SHALL BE INSTALLED AS A PART OF THE BASE BID. 12. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING IN-KIND ANY PAVEMENT OR SEEDED AREAS DAMAGED DURING CONSTRUCTION.

10. CITY TO SUPPLY AND INSTALL DONOR FENCE. CONTRACTOR TO INSTALL RELOCATED DRINKING FOUNTAIN AND RELOCATED BENCH.

13. ALL DETAIL CALLOUTS REFERENCE CITY OF MADISON STANDARD SPECIFICATIONS, CURRENT EDITION (WHERE APPLICABLE).





Revision Date
ADDENDUM 2 02/14/2014

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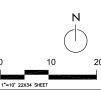
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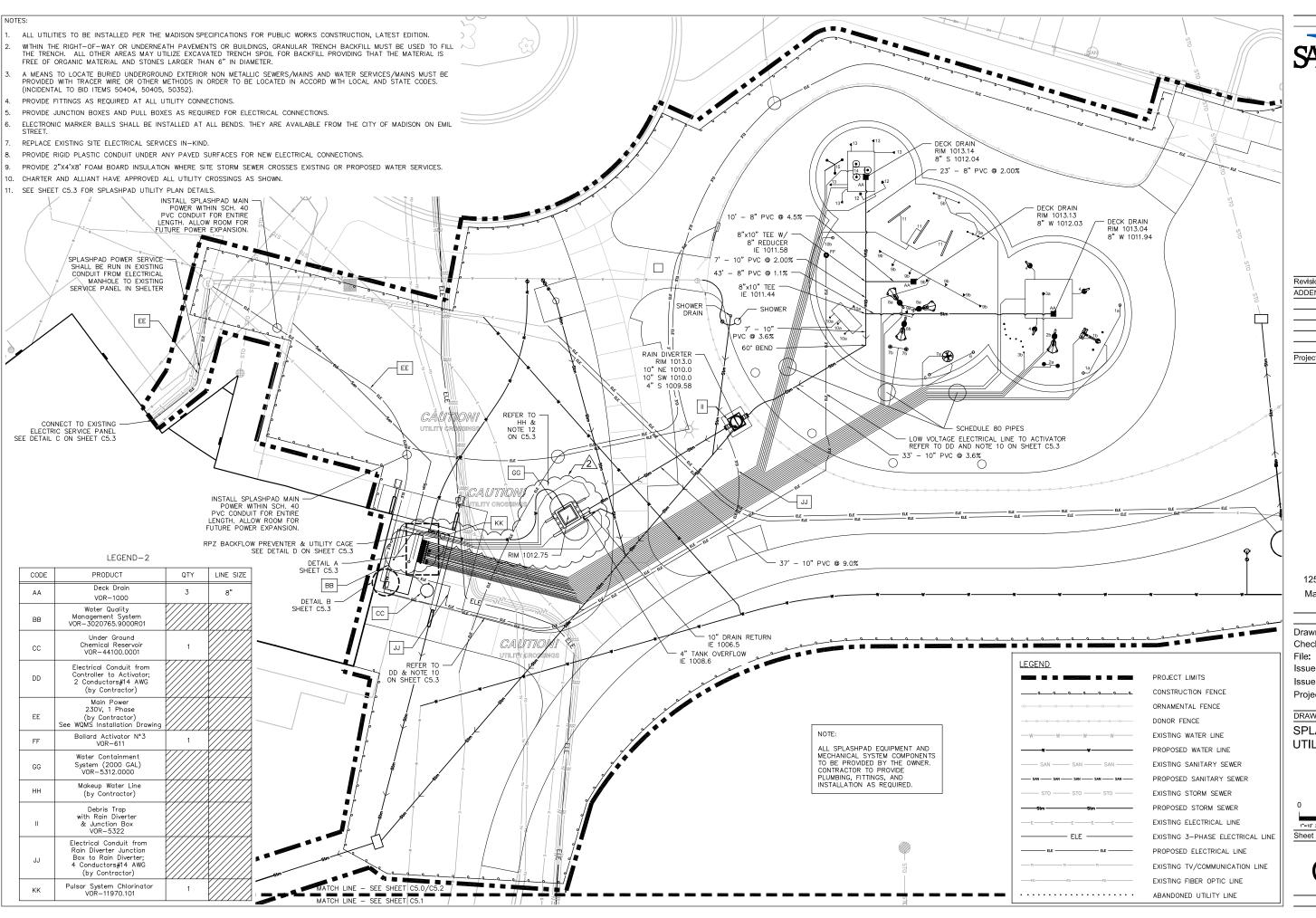
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SITE UTILITY PLAN



1"=10' 22X34 SHEET Sheet Number

C5.0





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Elver Park Splashpad

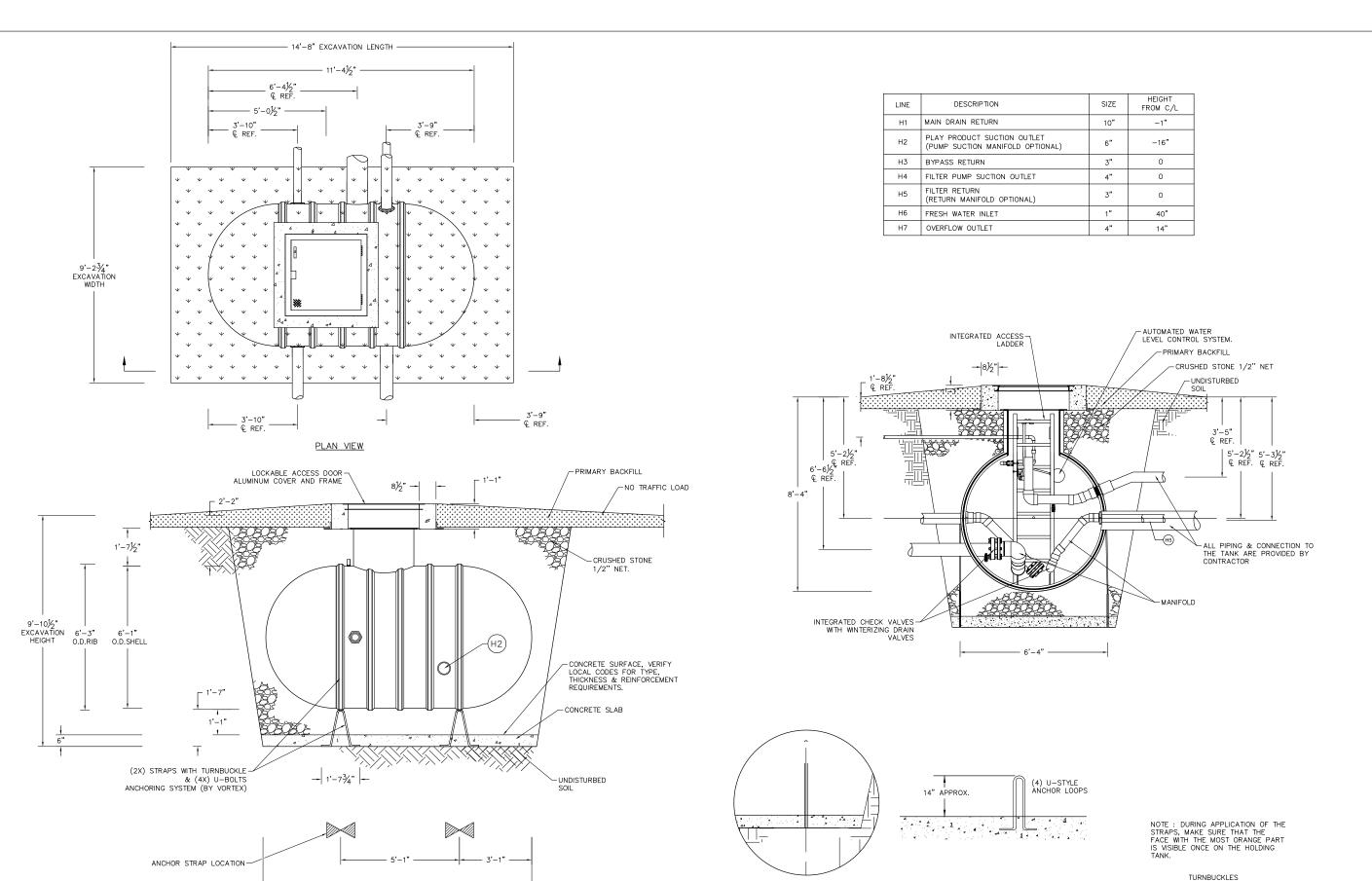
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DRAWING

SPLASHPAD UTILITY PLAN

Sheet Number



SIDE ELEVVATION VIEW

WATER CONTAINMENT SYSTEM - 2000 GALLON (PBO)

C7.9

STRAPS (2 INCLUDED)

ANCHORING DETAILS



Revision Date
ADDENDUM 2 02/14/2014

Project Name

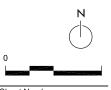
Elver Park Splashpad

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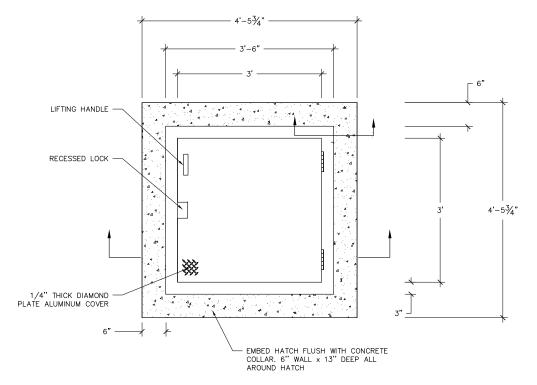
DETAILS



C70

SCALE: $\frac{1}{2}$ " = 1'-0"

(2 INCLUDED)



PLAN VIEW

S.ST. ALUM. POSITIVE LOCKING HOLD OPEN ARM T-316 STAINLESS STEEL HINGES W/TAMPER PROOF FASTNERS

SECTION B-B

NOTE: COVER SHOWN IN OPEN POSITION.

- PRIMER REQUIRED PRIMARY BACKFILL FINAL GROUND LEVEL 1'-1" 2'-8" BOLT ON 3"x3" ANGLE IRON FOOTING ALL AROUND COLLAR, - CRUSHED STONE 1/2" NET REF. HOLDING TANK

SECTION A-A

THE 2000—GALLON TANK SHALL BE A PRE—FABRICATED UNIT DESIGNED TO SAFELY STORE THE WATER USED FOR THE FACILITY. THE TANK SHALL BE PRE—ASSEMBLED AT THE FACTORY AND SHALL INCLUDE THE FOLLOWING CONNECTIONS: ONE 10° INLET FOR MAIN DRAIN, ONE 6° FEATURE PUMP SUCTION OUTLET, ONE 3° RETURN INLET FROM FEATURE PUMP, ONE 4° FILTER PUMP SUCTION OUTLET, ONE 3° RETURN INLET FROM FEATURE PUMP, ONE 4° FILTER PUMP SUCTION OUTLET, ONE 3° INTERTATION RETURN INLET, ONE 1° INLET FOR FRESHWATER AND ONE 4° OUTLET FOR OVERFLOW/DISCHARGE. THE TANK SHALL ALSO INCLUDE A WATER LEVEL DETECTION SYSTEM AND ONE ACCESS HATCH WITH LADDER. IT SHALL HAVE THE FOLLOWING CHARACTERISTICS:

TANK

2000 GALLON CAPACITY

FIBERGLASS

SINGLE WALL

Ø 73", ~136" LONG

FIBERGLASS LADDER INCLUDED

ANCHOR

ANCHORING STRAPS WITH HARDWARE

U-BOLT TYPE EMBEDDED IN CONCRETE

ACCESS HATCH

ALUMINUM ACCESS HATCH
HINGED AND PAD-LOCKED, WITH ALUMINUM FRAME AND SS HARDWARE

LEVEL CONTROL

FLOAT VALVE CONNECTED TO MAKE UP WATER LINE
POLYPROPYLENE ANTI CORROSION VALVE
INLET SIZE 1", OUTLET SIZE 1"
MAXIMUM WORKING PRESSURE 100 PSI

INLETS

10" INLET FOR MAIN DRAIN

3" INLET FOR FEATURE RETURN

3" INLET FOR FILTRATION RETURN (RETURN MANIFOLD OPTIONAL)

1" INLET FOR FRESHWATER

OUTLETS

6 OUTLET FOR PLAY PRODUCT PUMP(PUMP SUCTION MANIFOLD OPTIONAL)

4 OUTLET FOR FILTER PUMP

4 OUTLET FOR OVERFLOW / DISCHARGE

Revision ADDENDUM 2 02/14/2014

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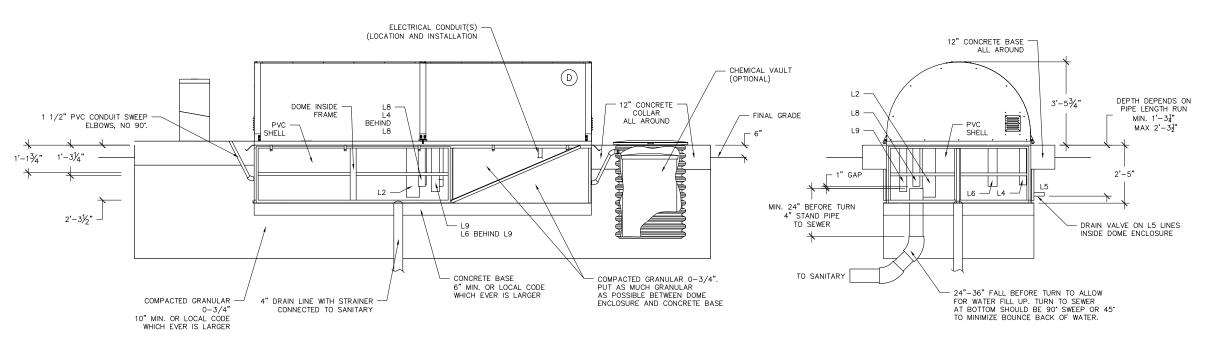
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DRAWING **DETAILS**

SCALE VARIES

PLAN VIEW



FRONT ELEVATION SIDE ELEVATION



NOTES:

- 1) PIPES L2, L4, L6 AND L9 CAN GO OUT THROUGH SIDE WALLS OR THROUGH BOTTOM CONCRETE BASE.
- 2) PIPE LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE.

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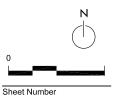
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2532

DRAWING

Project No.

DETAILS



C7.11

1 \ WATER QUALITY MANAGEMENT SYSTEM

C7.11

SCALE: $\frac{1}{2}$ " = 1'-0"

TO VORTEX MSP ENCLOSURE

R PRESSURE CAUGE

COMPOUND PRESSURE GAUGE



Revision Date ADDENDUM 2 02/14/2014

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Elver Park Splashpad

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DRAWING **DETAILS**

WATER QUALITY MANAGEMENT SYSTEM SPECIFICATIONS								
ITEM	ITEM	PROVIDED BY	DESCRIPTION	QTY				
		GENERAL						
Α	MAIN ELECTRICAL POWER	CONTRACTOR	230 VAC, 55 AMPS, SINGLE PHASE, 60 Hz.	1				
A1	UV ELECTRICAL POWER	CONTRACTOR	CONDUIT TO BE INSTALLED FOR FUTURE USE	1				
В	SPLASHPAD SYSTEM CONTROLLER	VORTEX	26 OUTPUT TOUCH SCREEN INTERFACE CONTROLLER, PREWIRED TO ALL SKID MOUNTED COMPONENTS. USER PROGRAMMABLE OPERATIONAL HOUR TIME CLOCK AND SPLASHPAD SPRAY SEQUENCES. INCLUDE FACTORY PRESET SPRAY SEQUENCE. EQUIPMENT AND ALARM FAILSAFES.	1				
С	MOTOR STARTER PROTECTION ENCLOSURE	VORTEX	MOTOR STARTERS AND OVERLOAD RELAYS. INDIVIDUAL CONTROL FOR EACH PUMP.	1				
C1	RAIN DIVERTER JUNCTION BOX	VORTEX	PREWIRED TO SYSTEM CONTROLLER & MOTOR STARTER PROTECTION ENCLOSURE. CONTROL VALVE FOR RAIN DIVERTER IN DEBRIS TRAP.	1				
D	SYSTEM ENCLOSURE	VORTEX	29" BELOW GRADE FIBER REINFORCED POLYMER COMPOSITE BASE. 72"W X 168"L X 42"H STAINLESS STEEL ENCLOSURE W/ ALUMINUM LOCKABLE ACCESS DOORS.					
E	WATER DISTRIBUTION MANIFOLD	VORTEX	15 VALVES DISTRIBUTION MANIFOLD, PREWRED TO ALL SOLENOIDS. WITH BALL VALVES.	1				
	F	ILTRATION AND CHEMICAL TR	EATMENT LOOP					
F	COMPOUND GAUGE	WINTER INSTRUMENTS	COMPOUND GAUGE, 0-30" Hg / 0-60 PSI	1				
G	FILTRATION PUMP	PENTAIR, WHISPERFLO, WF-12	3 HP, SELF PRIMING PUMP, SINGLE PHASE 230V, 127 GPM © 70 FT HD, 141 GPM © 60 FT HD, 14.1 AMPS FLA © 230V. NSF CERTIFIED.	1				
Н	SAND FILTER	PENTAIR, TRITON, TR-140C	7.06 SQ. FT, 141 GPM @ 20 GPM/SQ FT, 106 GPM @ 15 GPM/SQ. FT, 36" DIAMETER, BACKWASH VALVE INCLUDED. NSF CERTIFIED.	1				
İ	CHEMICAL CONTROLLER	BECS TECHNOLOGY, BECSYS3	ORP AND PH CONTROL WITH HIGH / LOW READING ALARM. NSF 50 CERTIFIED.	1				
J	PERISTALTIC PUMP	BLUE-WHITE IND, A1N20A-6T	UP TO 24GPD FEED CAPACITY, NSF CERTIFIED.	1				
J1	CHEMICAL RESERVOIR	VORTEX	SEE CHEMICAL RESERVOIR INSTALLATION DRAWINGS FOR DETAILS. SEE DETAIL 1/C7.8	1				
К	CHLORINE FEED SYSTEM	PULSAR 1 CHLORINATOR	CALCIUM HYPOCHLORITE AUTOMATIC CHLORINATOR. NSF CERTIFIED.	1				
L	PRESSURE GAUGE	WINTER INSTRUMENTS	PRESSURE GAUGE, 0-60 PSI	1				
М	EFFLUENT PRESSURE GAUGE	WINTER INSTRUMENTS	PRESSURE GAUGE, 0-60 PSI	1				
N	FLOW SWITCH	HARWILL	FLOW SWITCH, 24V	2				
0	FLOW METER	BLUE-WHITE IND, F-300 SERIES	3" PIPE FLOW METER, 40-140 GPM READING	3				
01	FLOW METER	BLUE-WHITE IND, F-400 SERIES	3/8" PIPE FLOW METER, 0.2-2 GPM READING	1				
		PLAY PRODUCT LO)OP					
Р	COMPOUND GAUGE	WINTER INSTRUMENTS	COMPOUND GAUGE, 0-30" Hg / 0-60 PSI	1				
Q	PLAY PRODUCT PUMP	PENTAIR, EQ SERIES, EQ500	5 HP, SELF PRIMING PUMP, SINGLE PHASE, 230V, 230 GPM @ 70 FT HD, 270 GPM @ 60 FT HD, 19.6 AMPS FLA. NSF CERTIFIED.	1				

WATER QUALITY MANAGEMENT SYSTEM SPECIFICATIONS								
ITEM	ITEM	PROVIDED BY	DESCRIPTION	QTY				
PLAY PRODUCT LOOP								
R	PRESSURE GAUGE	WINTER INSTRUMENTS	PRESSURE GAUGE, 0-60 PSI	1				
S	Y-STRAINER	SPEARS	4" PVC STRAINER WITH MESH BASKET	1				
Т	FLOW METER	BLUE-WHITE IND, F-300 SERIES	4" PIPE FLOW METER, 125-500 GPM READING	1				
U	FLOW SWITCH	IFM EFECTOR	FLOW SWITCH, 24V	1				
٧	ULTRA VIOLET SYSTEM (FUTURE)	FUTURE	FUTURE					

LINE SIZE CONNECTION CHART									
BY	FROM	ТО	ITEM	SIZE					
VORTEX	PLAY PRODUCT PUMP Q	WATER DISTRIBUTION MANIFOLD E	L3	4"					
VORTEX	FILTRATION PUMP G	SAND FILTER H	L7	3"					
CONTRACTOR	WATER CONTAINMENT SYSTEM H2	PLAY PRODUCT PUMP Q	L2	6"					
CONTRACTOR	LINE L3	WATER CONTAINMENT SYSTEM H3	L4	3"					
CONTRACTOR	WATER DISTRIBUTION MANIFOLD E	PLAY PRODUCTS	L5	SEE SHEET C5.2					
CONTRACTOR	WATER CONTAINMENT SYSTEM H4	FILTRATION PUMP G	L6	4"					
CONTRACTOR	SAND FILTER H	SANITARY SEWER SYSTEM	L8	3"					
CONTRACTOR	SAND FILTER H	WATER CONTAINMENT SYSTEM H5	L9	3"					

NOTE: REFER TO VORTEX' WATER QUALITY MANGEMENT SYSTEM AND VORTEX' WATER CONTAINMENT SYSTEM FOR PIPE SIZES. BETWEEN THE TWO SYSTEMS, PUT THE LESSER OF THE TWO PIPE SIZE. DESIGN GROUP SAA Design Group, Inc. 101 East Badger Road Madison, WI 53713 Ph. 608.235.0800 Fx. 608.235.730

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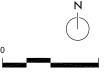
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2532

Project No.

DRAWING

DETAILS



Sheet Number

SCALE: NTS

C7.13