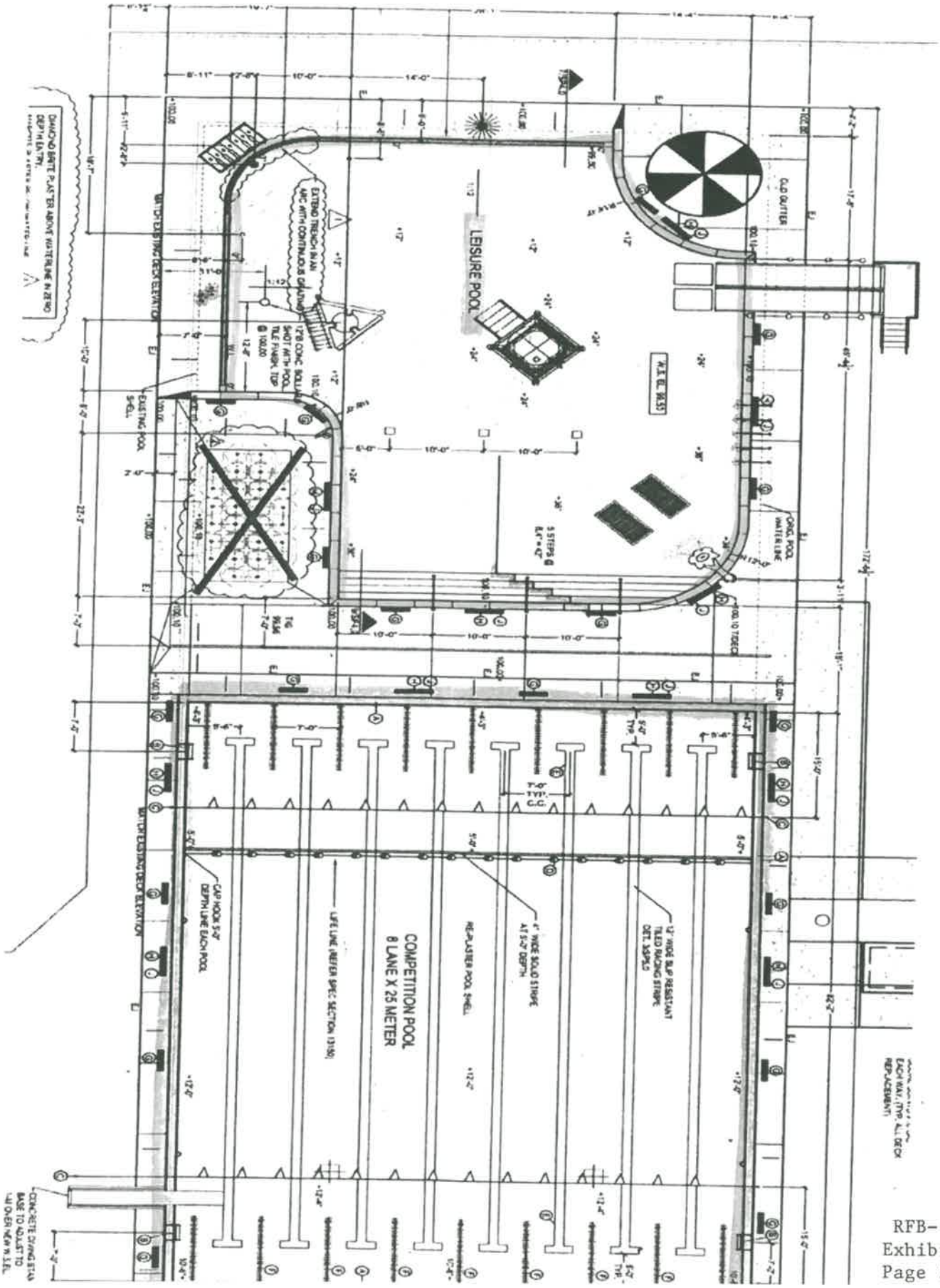
ATTACHMENTS:

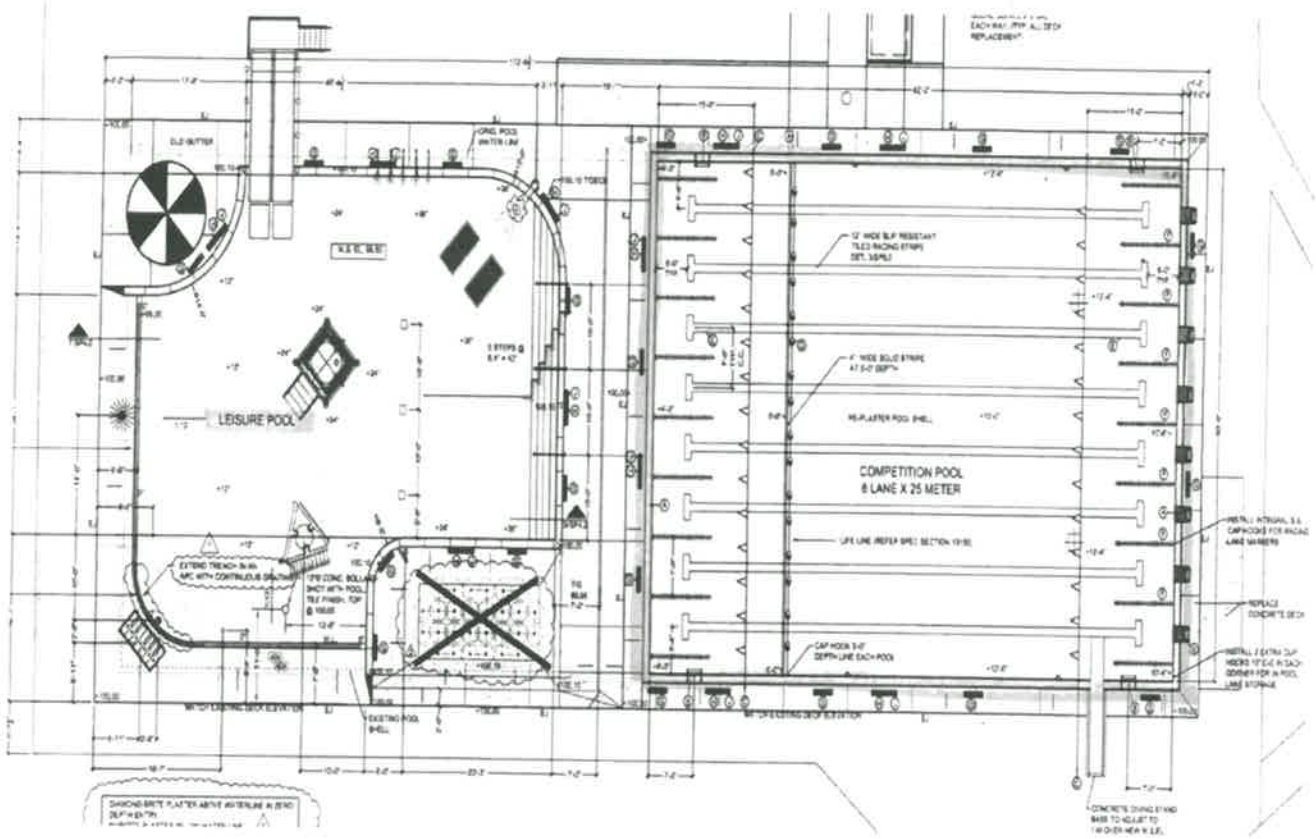
1) Pool Diagram – Leisure Pool
2) Toy Feature Pumping Summary and Pool Data– Leisure Pool
3) Pool Diagram and Pool Data – Lap Pool
4) Equipment List
5) Equipment Schedule – Toys
6) Water Odyssey Component Sheet
7) Specification Sheets - Trio of Fun,
8) Specification Sheet Small Slides
9) Specification Sheet Water Wave
10) Specification Sheet Bubbler
11) Specification Sheet Mushroom Maze
12) Specification Sheet Water Cage
13) Specification Sheet Aqua Arch
14) Dynamic Sequencing Controller
15) Panel Components
16) WDC Components
17) Solenoid Valves
18) Mechanical Room Procedures and Photos (8 sheets)

Leisure Pool



TOY FEATURE PUMPING SUMMARY			
KEY	NAME	TOT. FLOW (gpm)	USAGE
A	PENCIL GEYSERS	60	SEQUENTIAL
B	DUAL FIBER SLIDE	30	CONSTANT
C	TRIO OF FUN	200	CONSTANT
E	SPILL TOWER	100	CONSTANT
F	WATER CANNON	100+AIR	INTERMITTENT
G	DEPTH CHARGE	AIR ONLY	INTERMITTENT
H	SUNFLOWER	60	CONSTANT
I	BUBBLER	120	CONSTANT
J	MUSHROOM MAZE	70	CONSTANT
K	TAPPIN TUNES	25	CONSTANT
L	WATER CAGE	70	INTERMITTENT
M	WATER WAVE	60	CONSTANT
MAX FEATURE FLOW		995 GPM	

POOL DATA - ~~SPLASH POOL~~ Leisure Pool	
WATER SURFACE AREA:	2,959.09 S.F.
VOLUME:	37,300 GALLONS
MAX. SWIMMER LOAD	295 PERSONS
ART 3 SECT 3.23, 5 CCR, 1003-5	
RECIRCULATION RATE:	625 ~~420~~ GPM
TURNOVER RATE:	0.99 ~~1.48~~ HOURS
FILTER SIZE	45.0 ~~27.5~~ S.F.
FILTER LOADING RATE	13.88 ~~15.27~~ GPM/S.F.
MAIN DRAIN AREA FREE (19% X 6' X 3' ~~40% X 2' X 4'~~) X 2	6.84 ~~3.2~~ S.F.
NET VELOCITY ACROSS M.D.	0.53 ~~0.48~~ FPS
FEATURE REQUIREMENTS (MAX.)	995 GPM
TOTAL MAIN DRAIN REQ'D CAPACITY	1,620 ~~1,415~~ GPM



POOL DATA - COMPETITION POOL

WATER SURFACE AREA:	4,507.50 S.F.
VOLUME:	316,600 GALLONS
MAX. SWIMMER LOAD	177 PERSONS
ART 3 SECT 3.23, 5 CCR, 1003-5	
RECIRCULATION RATE:	1250 GPM
TURNOVER RATE:	4.22 HOURS
FILTER SIZE 2 FILTERS @ ~~40 S.F.~~ 45 S.F.	90 ~~80~~ S.F.
FILTER LOADING RATE	13.88 ~~16.62~~ GPM/S.F.
MAIN DRAIN AREA FREE (EXISTING)	460 SQ IN OR 3.2 S.F.
NET VELOCITY ACROSS M.D.	0.87 F.P.S.

Pool Specifications

EQUIPMENT LIST	
○	
A	NATARE (OR APPROVED EQUAL) V-1000 ROLL-OUT STYLE STAINLESS STEEL PERIMETER OVERFLOW SYSTEM WITH PARALLEL PVC GRATING; INTEGRAL SUPPLY TUBE; GUTTER WASHERS; GUTTER MANUFACTURER TO DESIGN AND PROVIDE INTEGRAL SURGE WEIRS.
B	STAINLESS STEEL POOL LADDER (SALVAGED & RELOCATED FROM DEMOLITION OF POOL); STAINLESS STEEL ESCUTCHEON COVERS; FURNISH AND INSTALL NEW,BRONZE WEDGE ANCHORS.
C	RECREONICS #46-025 8'-0" TALL, 1.90" O.D. X 0.145" WALL STAINLESS STEEL BACKSTROKE STANCHION WITH RECREONICS #46-030 SLIDING EYE BOLT COLLAR; PROVIDE WITH RECREONICS #46-041 TAMPER-PROOF BRONZE STANCHION ANCHOR.
D	RECRONICS #14-381 5" X 9" BLUE, WHITE, BLUE LOCKING SAFETY FLOATS CENTERED 3'-6" APART ON BLUE & WHITE, TWISTED POLYPROPYLENE ROPE; RECREONICS MODEL #14-456 CPB ROPE HOOKS AT EACH END.
E	RECREONICS #92-304, 12" X 18" HEAVY-DUTY VINYL PENNANT LINES; COLOR BY OWNER.
F	RECREONICS #14-330.B, 6" GOLD MEDAL LANE LINES ALTERNATING COLORS IN 4 FOOT INCREMENTS; $\frac{3}{16}$" BRAIDED STAINLESS STEEL CABLE; SUPER TENSIONER AT ONE END; CPB ROPE HOOKS AT EACH END; COLOR SELECTION BY OWNER. (8 + 1 SPARE)
G	MOSAIC 1" X 1" NON-SKID DEPTH MARKER TILES; 4-INCH LETTERS AND NUMERALS; BLENDED FIELD TILES WITH BLACK LETTERING; FLUSH IN DECK.
H	MOSAIC 1" X 1" "NO DIVING" LETTERS ON TILE; 4" BLACK LETTERS ON BLENDED FIELD TILES; FLUSH IN DECK.
J	RECREONICS #12-622 6" X 6" NON-SKID "NO DIVE" INTERNATIONAL SYMBOL TILES; WHITE WITH BLACK AND RED SYMBOL; FLUSH IN DECK.
K	RECREONICS #46-110 KDI PARAGON LONG REACH COMPETITOR STARTING BLOCK. INCLUDE RECREONICS #46-153 6" ANCHOR ASSEMBLY FOR TWO POST STARTING BLOCK.

EQUIPMENT SCHEDULE

⬡	DESCRIPTION:
A	WATER ODYSSEY 'AQUA ARCH JETS', 5 REQ'D
B	WATER PARK EXPERTS FIBERGLASS 'KIDS DOUBLE PAN SLIDE', CONTRACTOR TO PROVIDE CONCRETE PLATFORM AND RAILINGS, 2 REQ'D
C	RAIN DROP PRODUCTS 'TRIO OF FUN'. A GROUP OF FLOOR MOUNTED S.S. WATER TOYS, TOTAL FLOW REQ'D 200 GPM, 1 SET REQ'D, SEE DETAIL XX, SHEET 5.1
~~D~~	~~WATER ODYSSEY 'HOPSCOTCH', PROGRAMMABLE FLOW PATTERNS WITH 10 SOLENOID VALVES & CONTROLLER, MAX. FLOW 100 GPM, LAUNCH PAD CONTROLLED~~
E	FUNTRAPTIONS 'SPLASH TOWER' STRUCTURE WITH BLOW DOWN WATER TOWER FEATURE, 100 GPM FILL REQ'D.
F	WIZARD WORKS 'WATER BLASTER' PROXIMITY SWITCH ACTIVATED TRIGGER CONTROLLED WATER CANON TO PROPEL WATER WITH COMPRESSED AIR. 33 GPM EA (100 GPM TOTAL) 3 REQ'D. RESTRICT OPERABLE ANGLES TO THAT SHOWN
G	WIZARD WORKS POOL FLOOR MOUNTED AIR BLAST 'DEPTH CHARGE' TO BE ACTIVATED ON PLUNGER PROXIMITY SWITCH, PROGRAMMABLE SEQUENCED BY USER
H	WATER ODYSSEY 'SUNFLOWER'. DECK MOUNTED S.S. WATER TOY. TOTAL FLOW 60 GPM, 1 REQ'D
I	WATER ODYSSEY 'BUBBLER' SPRAY FEATURE, 4 @ 28 GPM REQ'D
J	WATER ODYSSEY 'MUSHROOM MAZE' FLOOR MOUNTED S.S. WATER TOY. FLOW REQ'D 35 GPM (70 GPM TOTAL), 2 REQ'D
K	'TAPPIN' TUNES' FOUNTAIN KEYBOARD WITH SOUND ACTIVATION MANIFOLD AND SPEAKER
L	WATER ODYSSEY 'WATER CAGE' SYSTEM TO BE PROGRAMMABLE TO ACTIVATE ON USER'S SET TIME LOOP, 1 REQ'D
M	WATER ODYSSEY 'WATER WAVE' FLOOR MOUNTED SPRAYER TOTAL FLOW 60 GPM, 1 REQ'D
N	20' DIAMETER COLLAPSIBLE 'FUNBRELLA' SHADE CANOPY; FLUSH GALVANIZED ANCHOR SLEEVE
NOTE:	REFER TO SHEETS: SP5.0, SP5.1, SP5.2 AND SP5.3 FOR ADDITIONAL INFORMATION.

W09941 Wheat Ridge Anderson Park Pool Aquatic Playground

Version: **2** **R**

Designer: **Stan Caulkins**

Water Odyssey Component

(5) W006

Aqua Arch™
(Color: Green) 5 EA 25

(1) W010

Mushroom Maze™
(Color: Red) 30

(1) W010-SW

Mushroom Maze™ with Wireless Activator Button
(Color: Red & Yellow) 30

(1) W012

Water Cage™ 60

(1) W055

Water Wave™
(Color: Green) 54

(4) W091

Bubbler™
(Color: Dark Blue) 35 EA 140

(1) W251

Fun Forms™ Flower Design #1 Sunflower
(Color: Themed) 60

Water Odyssey Controller/Activator

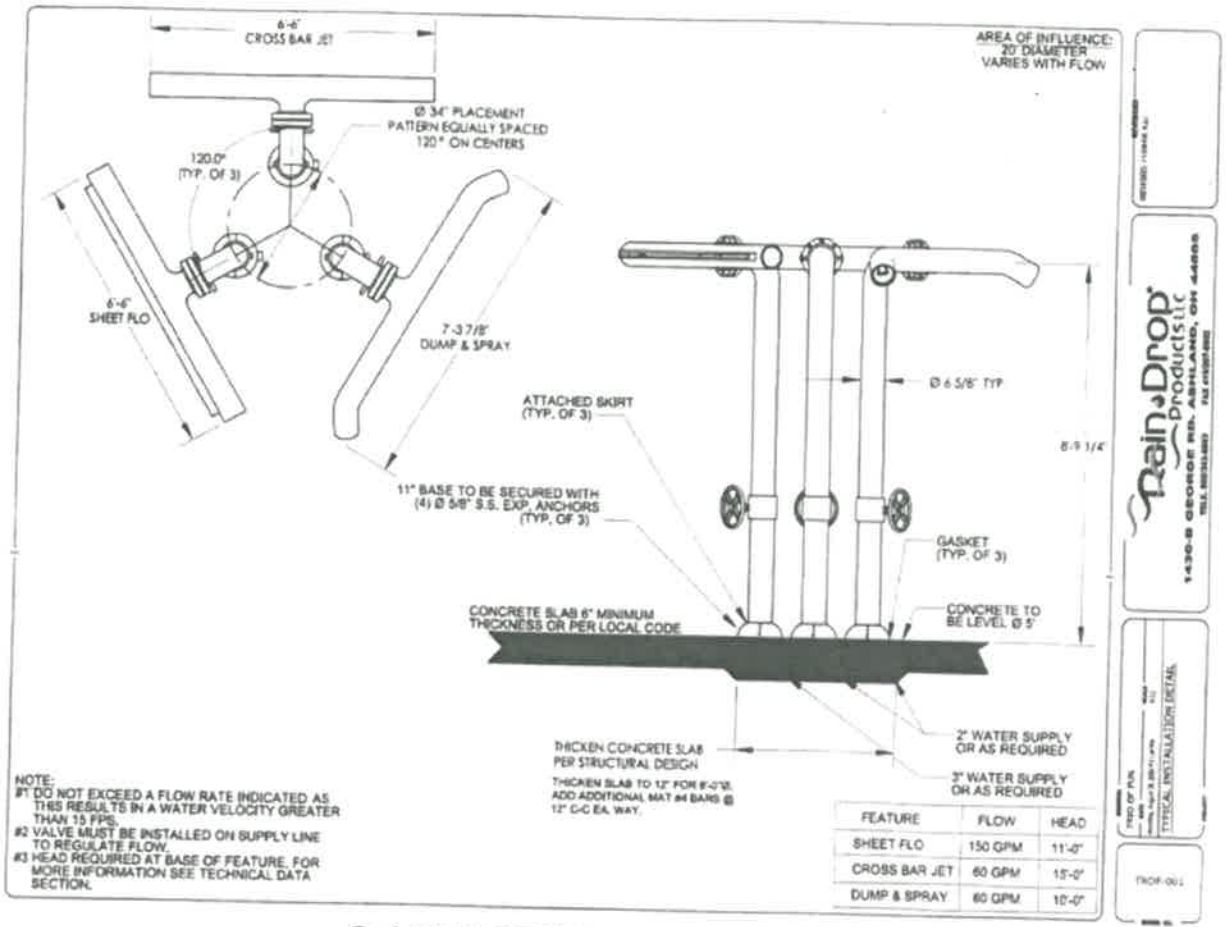
(1) DSC-0-16-W

UL-Listed Controller w/ no hard-wired input modules, 2 modules for 16 total wired 24VAC outputs, mounted in NEMA 4X housing, supplied with antenna/receiver and 150' integral cable

269 gpm

TRI OF FUN 50 EA 150

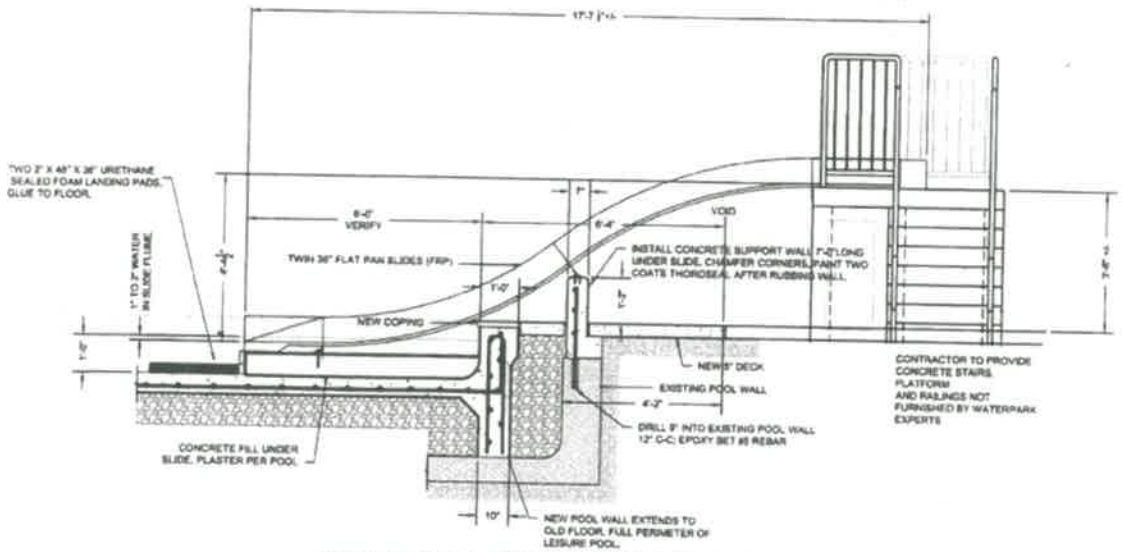
419



01 TRIO OF FUN

NOT TO SCALE

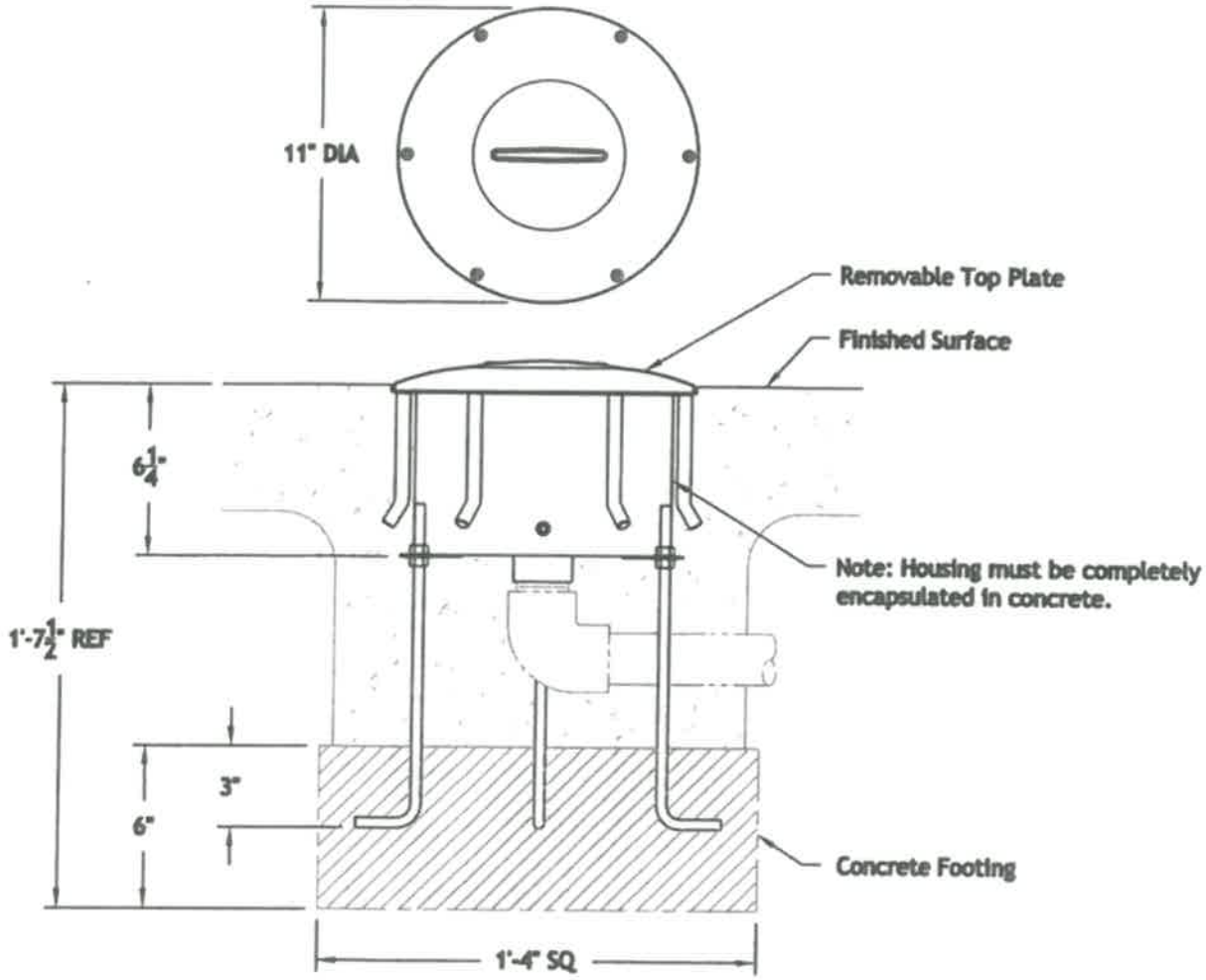
RAIN DROP PRODUCTS INC.
800-343-6063



SECTION A THRU CHILDREN'S SLIDES

02 CHILDREN'S PAN SLIDE PAIR

WATER PARK EXPERTS
630-401-4797



Specifications

Model Number: W055
Interactive Water Effect: Shall be clear arching sheet of water.
Housing: 20 gauge deep-drawn type 304 stainless steel with grounding connection and 1½" FPT inlet. Supplied with 4, 3/8" x 12" x 2" 18/8 stainless steel anchor bolts with two leveling nuts and washers per bolt and wood pour template.
Gaskets: 70 durometer EPDM o-ring.
Construction Cover: Reusable 11" diameter HDPE (high density polyethylene).
Top Plate: 11" diameter slightly domed cast bronze with interchangeable nozzle assembly and UV stabilized, textured elastomeric urethane coating.
Top Plate Anchors: Six ½" x 5" machined brass with 30° hook bend.
Color: (Specify red, dark blue, light blue, yellow, green, orange, or purple.)
Fasteners: Tamper-resistant 18/8 stainless steel.
Nozzle: Machined investment cast bronze.

Hydraulic Requirements

☐ W055

Height	Spread	Width	GPM	psi
2'	2'	5'	36	3
4'	3'	10'	54	7
6'	4'	15'	66	12

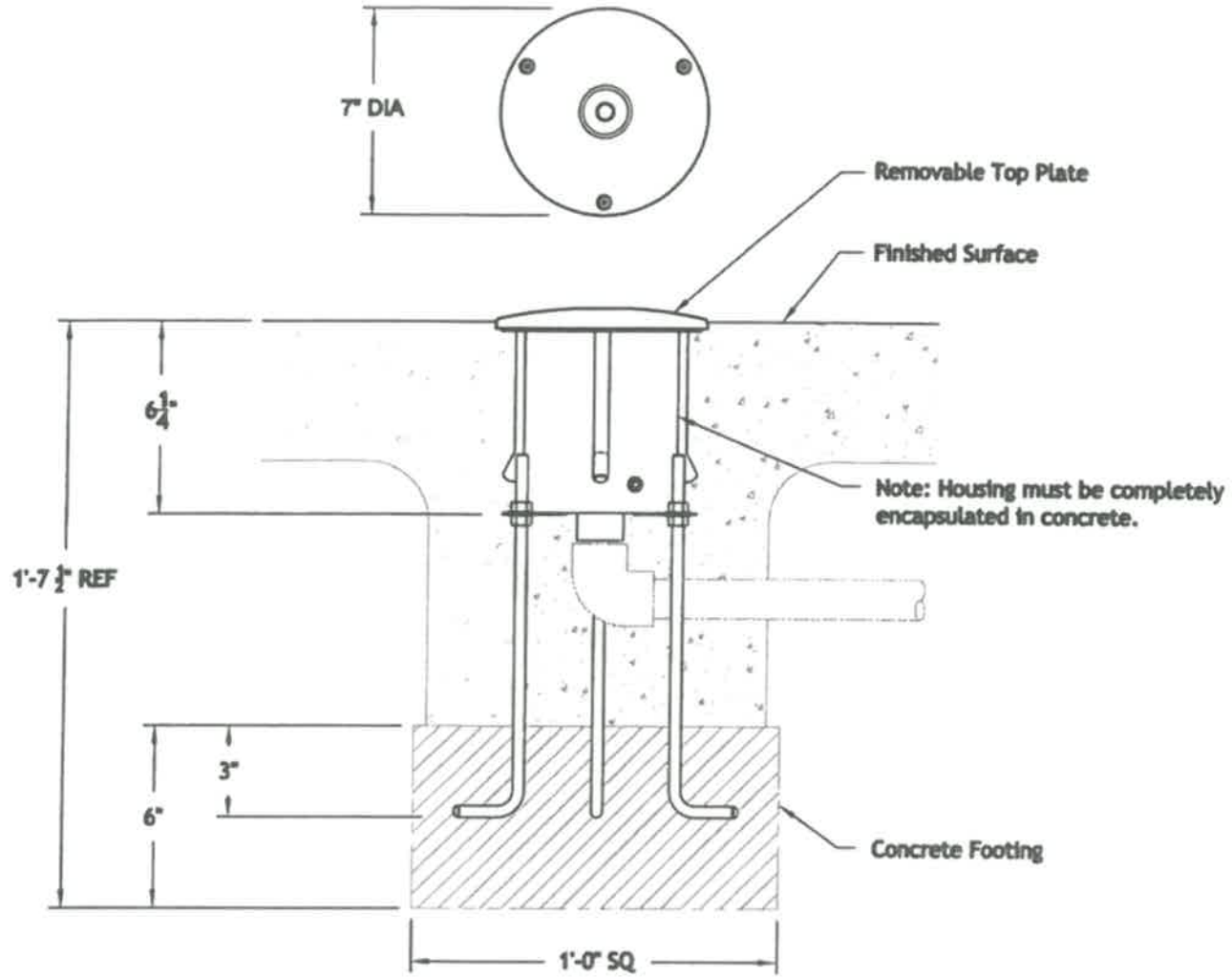
Water Odyssey™

Water Wave™

W055

Fountain People, Inc. - PO Box 807 - 4600 Highway 123 - San Marcos, Texas 78667-0807
Phone (512) 392-1155 - Fax (512) 392-1154 - www.waterodyssey.com

01-05-06



Specifications

Model Number: W091
Interactive Water Effect: Shall be a highly aerated mound of water.
Housing: 20 gauge deep-drawn type 304 stainless steel with grounding connection and 1" FPT inlet. Supplied with 4, 3/8" x 12" x 2" 18/8 stainless steel anchor bolts with two leveling nuts and washers per bolt and wood pour template.
Gaskets: 70 durometer EPDM o-ring.
Construction Cover: Reusable 7" diameter HDPE (high density polyethylene).
Top Plate: 7" diameter slightly domed cast bronze with interchangeable nozzle assembly and UV stabilized, textured elastomeric urethane coating with a UV and chlorine resistant sealer coat.
Top Plate Anchors: Three ½" x 5" machined brass with 30° hook bend.
Color: (Specify red, dark blue, light blue, yellow, green, orange, or purple.)
Fasteners: Tamper-resistant 18/8 stainless steel.
Nozzle: Precision machined brass and copper.

Hydraulic Requirements

☐ W091

Height	GPM	psi
.5'	28	3
1'	35	6
1.5'	40	9

Water Odyssey™

Bubbler™

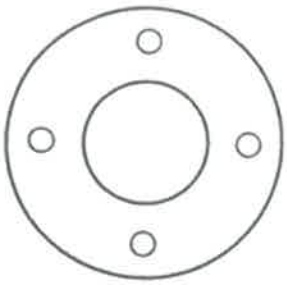
W091

Fountain People, Inc. - PO Box 807 - 4600 Highway 123 - San Marcos, Texas 78667-0807
Phone (512) 392-1155 - Fax (512) 392-1154 - www.waterodyssey.com

01-05-06

Specifications

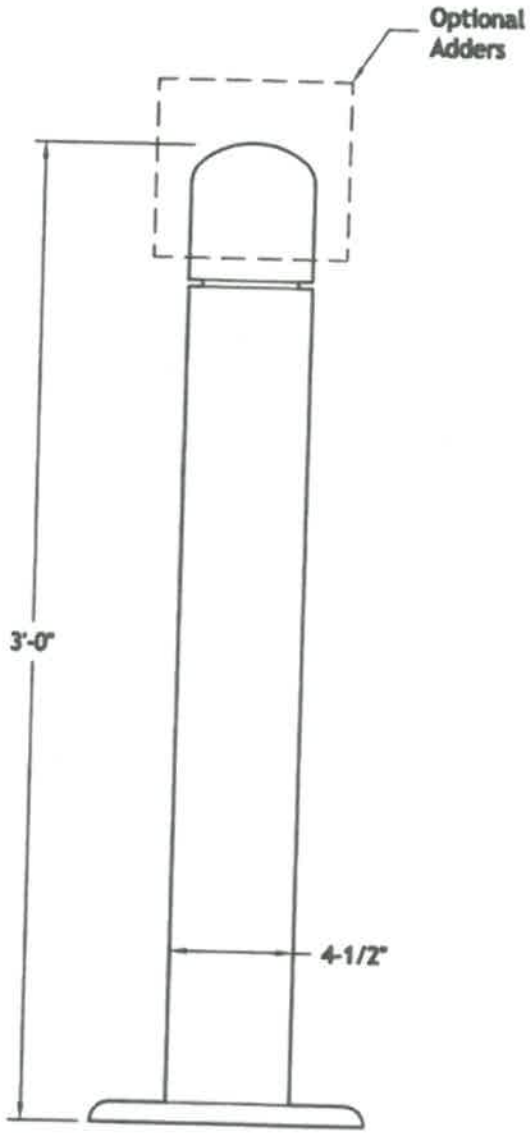
Model Number: W010
Interactive Water Effect: Shall be a clear domed sheet of water.
Shaft: Straight 4" type 304 stainless steel pipe with machined type 304 base plate.
Anchor Base: Type 304 stainless steel machined to mate with shaft base plate with grounding connection and 2" FPT inlet. Supplied with 4, ⅜" x 12" x 2" 18/8 stainless steel anchor bolts with two leveling nuts and washers per bolt and wood pour template.
Gasket: 70 durometer EPDM o-ring.
Fasteners: Tamper-resistant 18/8 stainless steel.
Finish: Textured elastomeric urethane with a UV and chlorine resistant sealer coat.
Color: (Specify: red, dark blue, light blue, yellow, green, orange, or purple.)
Nozzle: Stainless steel deflector type.



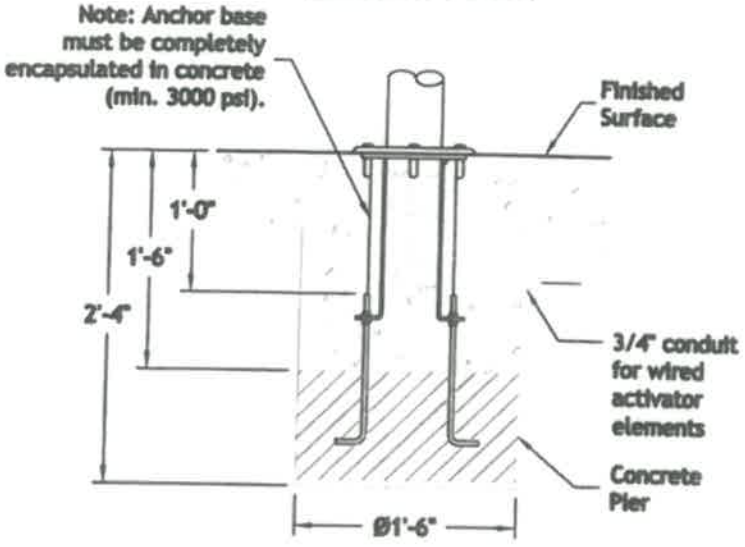
Optional Adders:

☐ **Wireless Activator Button (-5W)**
Transmitter: Solid state with encoded signal and integral omni-directional antenna.
Activator Power: 9 VDC alkaline battery.

☐ **Wired Activator Button (-5T)**
Activator Switch: 12 VDC.
Activator Cord: 150' of #18/2 type STOW, minimum 3/4" conduit recommended.



Anchor Base



Hydraulic Requirements

☐ **W010**

Spread	GPM	psi
4'	30	2
8'	40	3

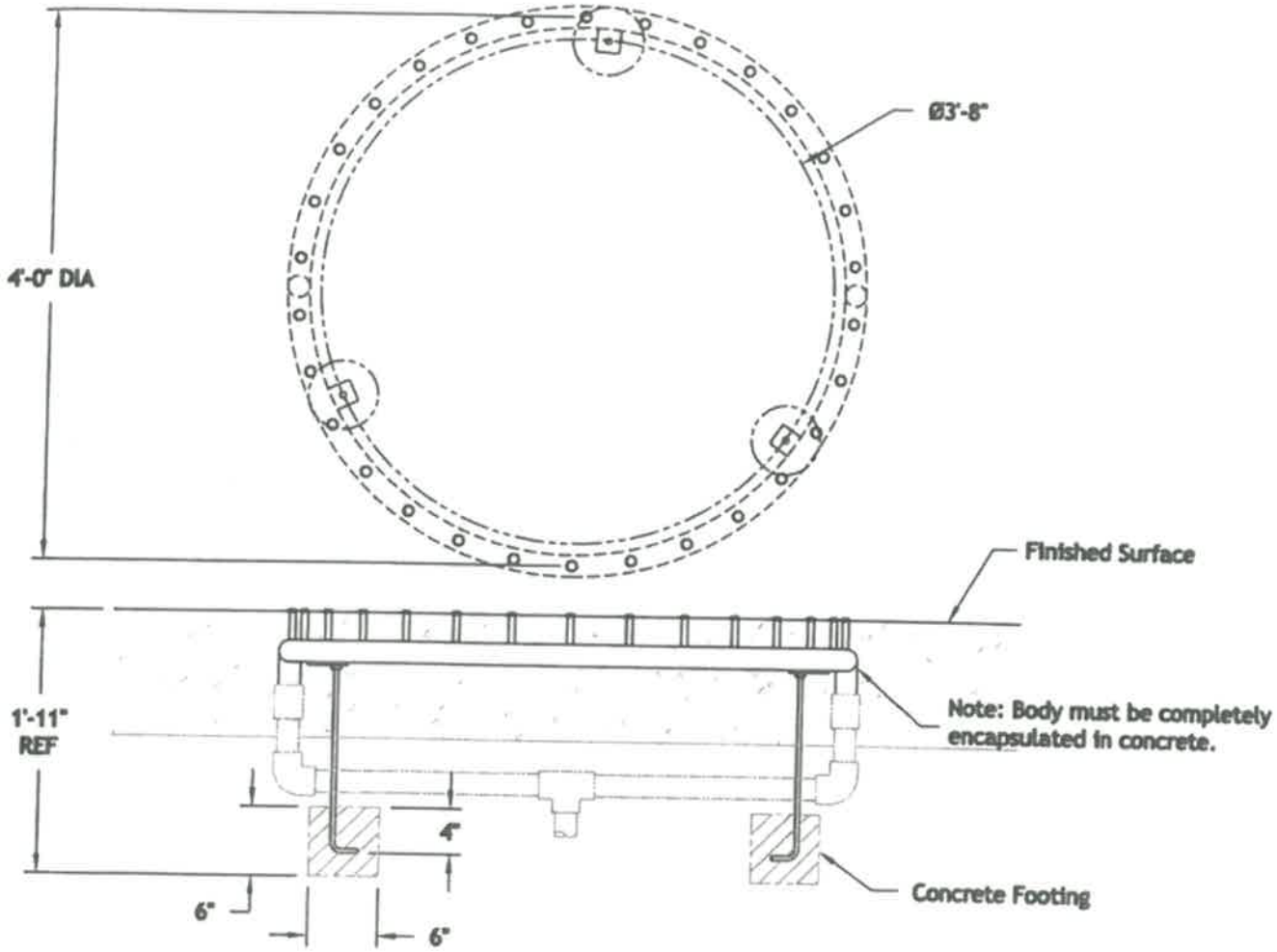
Water Odyssey™

Mushroom Maze™

W010

Fountain People, Inc. - PO Box 807 - 4600 Highway 123 - San Marcos, Texas 78667-0807
Phone (512) 392-1155 - Fax (512) 392-1154 - www.waterodyssey.com

06-01-07



Specifications

Model Number: W012
Interactive Water Effect: Shall be a circle of vertical streams of water.
Housing: Schedule 40 red brass pipe with grounding connection and two 1½" MPT inlets. Supplied with 3, 3/8" x 18" x 2" 18/8 stainless steel anchor bolts with two leveling nuts and washers per bolt.
Construction Covers: Machined PVC plugs.
Fasteners: Tamper-resistant 18/8 stainless steel.
Nozzles: 30 precision machined stainless steel.

Hydraulic Requirements

☐ W012

Height	GPM	psi
2'	30	2
4'	60	3
6'	75	4

☐ *W012C - Water Conserving Version

Height	*CGPM	*Cpsi
2'	12	2
4'	18	3
6'	21	4

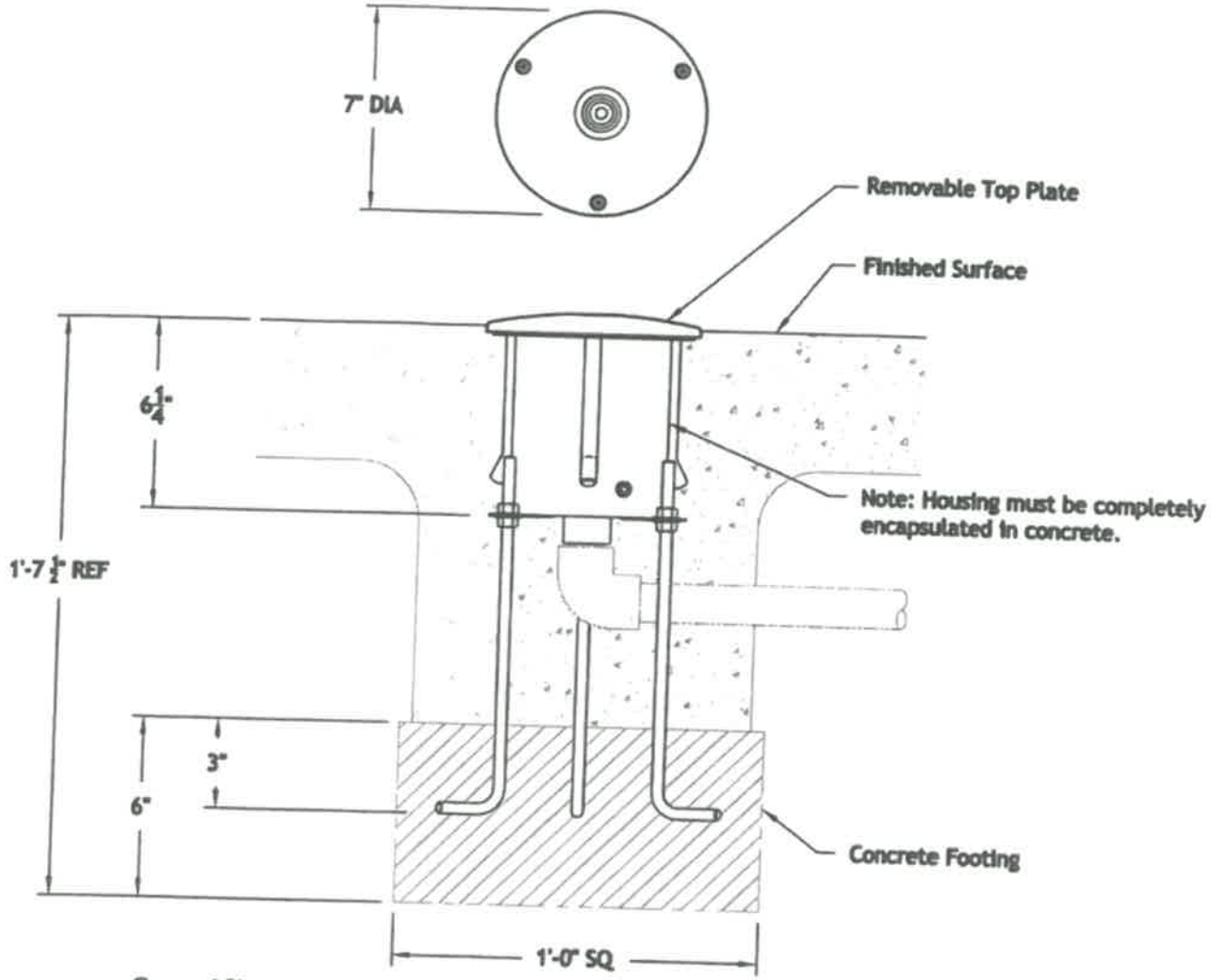
Water Odyssey™

Water Cage™

W012

Fountain People, Inc. - PO Box 807 - 4600 Highway 123 - San Marcos, Texas 78667-0807
Phone (512) 392-1155 - Fax (512) 392-1154 - www.waterodyssey.com

01-05-06



Specifications

Model Number: W006
Interactive Water Effect: Shall be an arching solid stream effect with 360° directional adjustability.
Housing: 20 gauge deep-drawn type 304 stainless steel with grounding connection and 1" FPT inlet. Supplied with 4, 3/8" x 12" x 2" 18/8 stainless steel anchor bolts with two leveling nuts and washers per bolt and wood pour template.
Gaskets: 70 durometer EPDM o-ring.
Construction Cover: Reusable 7" diameter HDPE (high density polyethylene).
Top Plate: 7" diameter slightly domed cast bronze with interchangeable nozzle assembly and UV stabilized, textured elastomeric urethane coating with a UV and chlorine resistant sealer coat.
Top Plate Anchors: Three ½" x 5" machined brass with 30° hook bend.
Color: (Specify red, dark blue, light blue, yellow, green, orange, or purple.)
Fasteners: Tamper-resistant 18/8 stainless steel.
Nozzle: Precision machined brass.

Hydraulic Requirements

☐ **W006**

Height	Throw	GPM	psi
2'	4'	3	2
4'	7'	5	3
6'	10'	7	4

☐ ***W006C - Water Conserving Version**

Height	Throw	*CGPM	*Cpsi
2'	4'	1	2
4'	7'	2	3
6'	10'	3	4

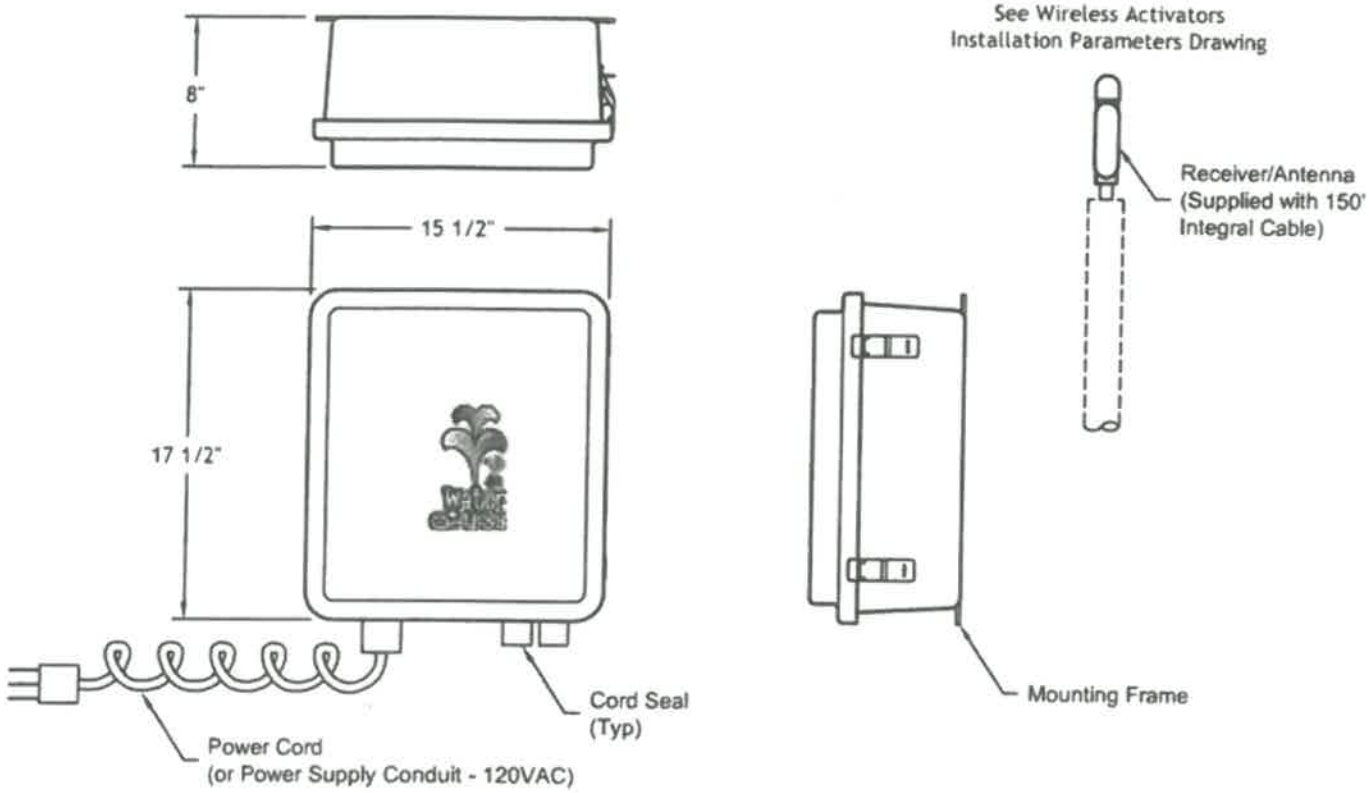
Water Odyssey™

Aqua Arch™

W006

Fountain People, Inc. - PO Box 807 - 4600 Highway 123 - San Marcos, Texas 78667-0807
Phone (512) 392-1155 - Fax (512) 392-1154 - www.waterodyssey.com

01-05-06



Note: Conduit and Wire By Installer

Specifications

Model No: DSC-0-16-W.
Housing: NEMA 4X with lockable hasp.
Input Voltage: 120VAC/60 Hertz, 20 Amps.
Wireless Inputs: 32.
Output Voltage: 24VAC/60 Hertz, .75 Amps continuous per output.
Outputs: 16.
Power Cord: 6 foot, 16-3 type SJT with grounded plug.
Cord Seals: (3) PVC compression seal fittings with neoprene gland for (16) 16-2 solenoid valve cables.
Time Clock: Integral, electronic, 7 day, 24 hour.
Interface: Keypad with 20 keys and a 4 x 20 backlit LCD display.
Antenna/Receiver: Enclosed in weather resistant PVC housing with 150 feet of CAT 5 crossover cable supplied.
Programmable Events: Timed duration, cycled, defined, random, and cued sequencing, field adjustable.
Programming: Through keyboard or with Windows® based computer using Waterscript™ for easy "click and drag" modification of programs and operating hours. Program uploads to DSC unit through Ethernet port or the supplied Secure Digital (SD) card.
Safety: Underwriters' Laboratories Listed.

Water Odyssey™

Dynamic Sequencing Controller

For wireless activators

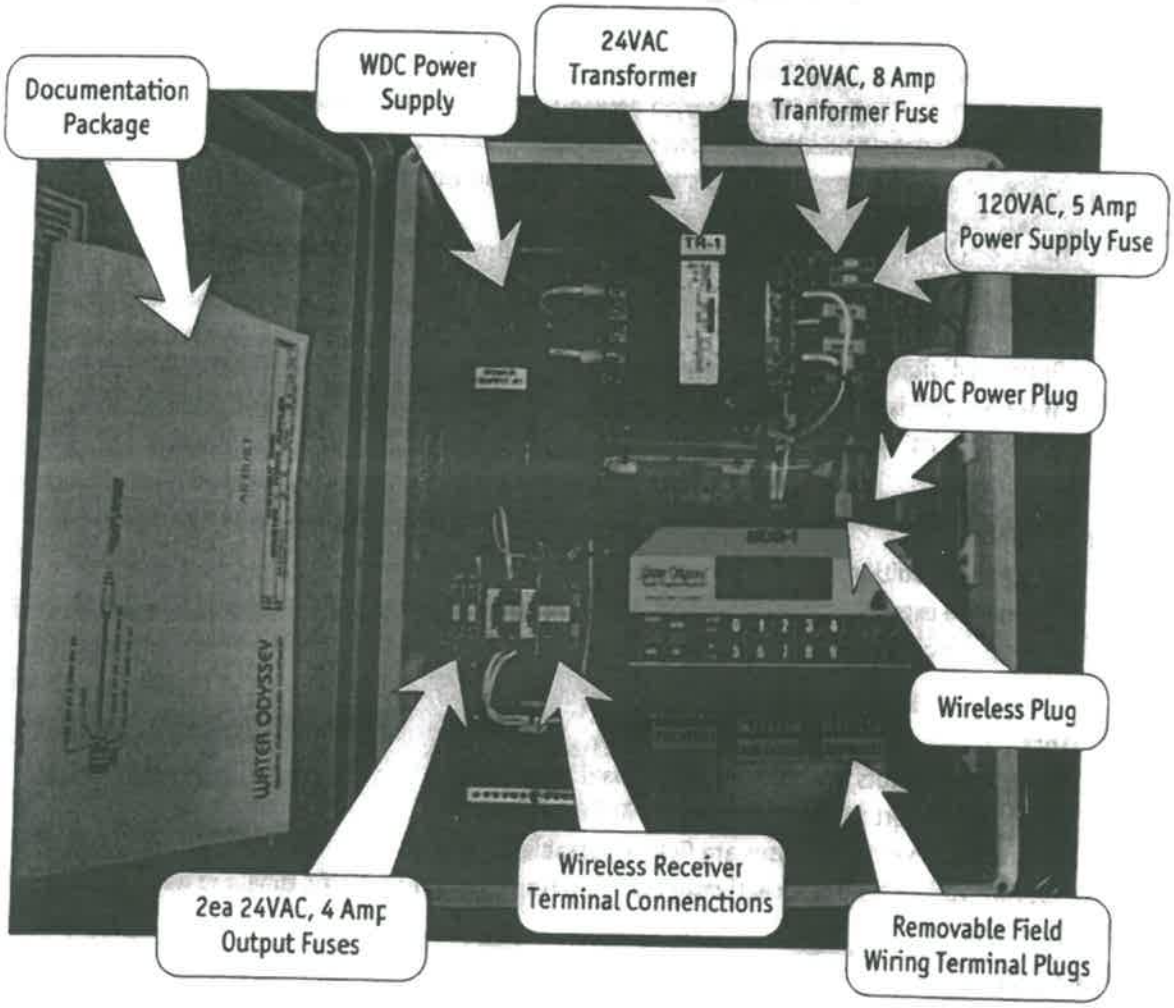
DSC-0-16-W

Fountain People, Inc. - PO Box 807 - 4600 Highway 123 - San Marcos, Texas 78667-0807
Phone (512) 392-1155 - Fax (512) 392-1154 - www.waterodyssey.com

01-17-08

Panel Components

The image below illustrates the basic components found in a WDC panel. Use this as a reference for information discussed later in the manual.



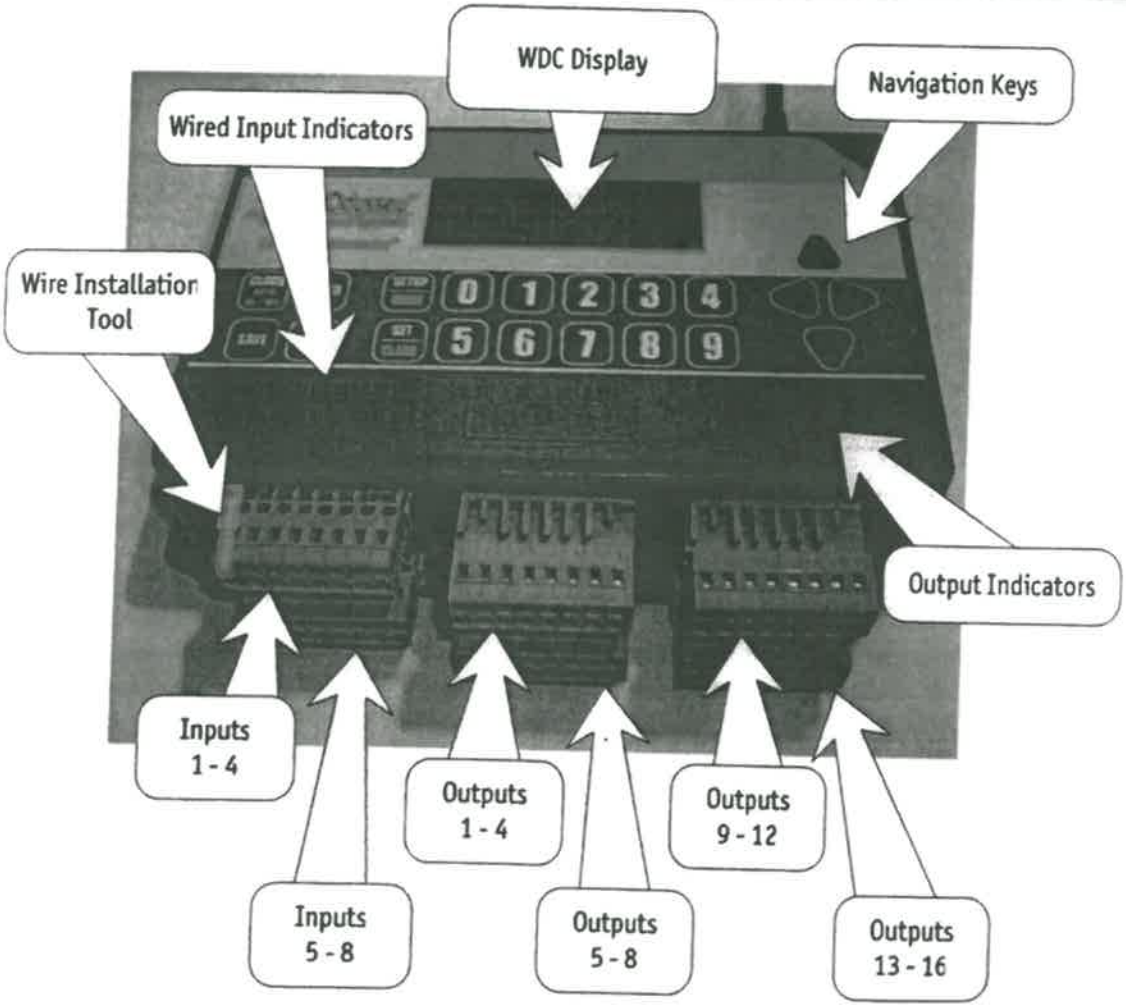
Wireless Receiver

A wireless receiver and 150' of shielded cable are supplied if your system uses wireless activators. The receiver will need to be installed and the cable must be connected to the wireless receiver terminals inside the WDC panel. Reference the electrical drawings included with your system.

IMPORTANT: *The receiver should be installed at least 10 feet above grade, no more than 100 feet from the furthest activator, and within line of all the activators.*

WDC Components

The image below identifies the basic components found on the Main Module of a WDC panel. Use this as a reference for information discussed later in the manual.



Wire Installation Tool

There are two tools attached to the terminal blocks. These tools can be removed and placed over the terminal you are wiring. After removing the terminal plug, snap the installation tool on the desired terminal and press down on the tool while supporting the terminal plug. The spring terminal will open allowing easy connection of each wire. When the wiring is complete, pub the terminal block into the WDC.

Checking Solenoid Valves

If aquatic play components are not working, it may be necessary to check that solenoid valves are functioning properly.

If a water feature does not turn on and it has been verified that 24VAC power is present at the solenoid valve, there may be too much back pressure on the valve. Check the system pressure gauge. Our systems are designed for a maximum of 35 psi.

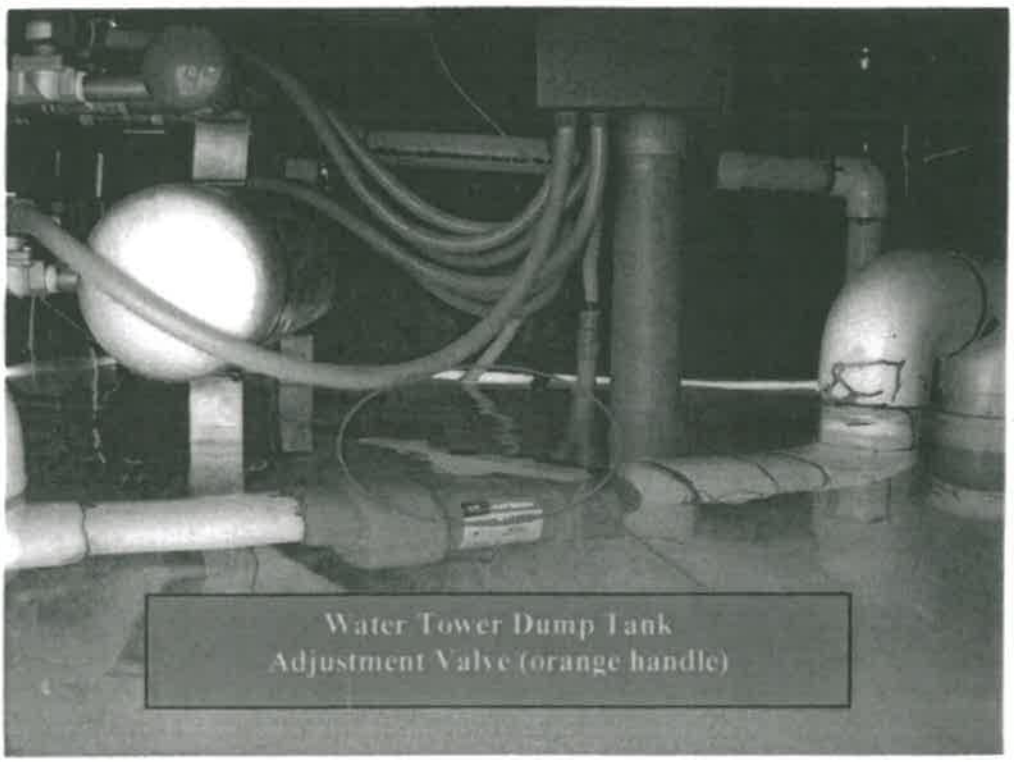
If a water feature does not turn off in the absence of 24VAC power to the solenoid valve, the solenoid valve may be set on a manual position, or debris may be present inside the valve.

If the solenoid valves were supplied by Fountain People, Inc. and were manufactured by Granzow, they can be easily serviced. Simply remove the four bolts, pull the top off then remove the diaphragm. There are four small ports, two on the body with o-rings and two matching on the top cover. Note arrows on the photos at bottom. Make certain that these ports are clear of debris and that the o-rings are undamaged. Rinse the inside of the valve body and top cover then reassemble.

© 2008 FOUNTAIN PEOPLE, INC.

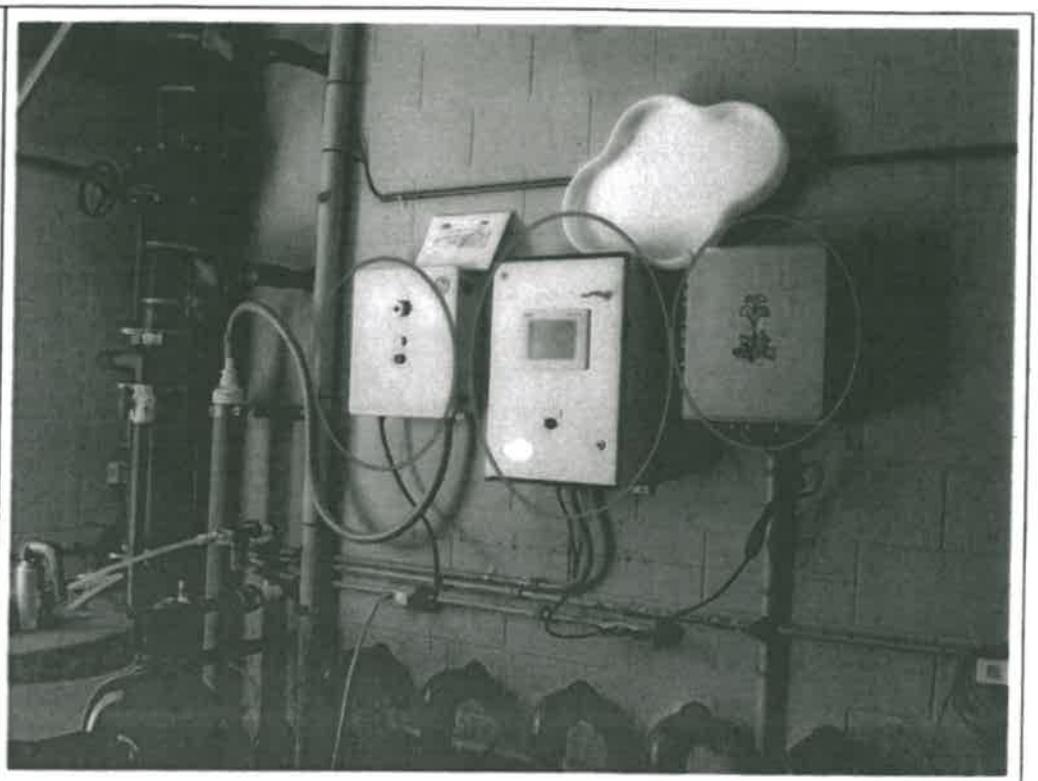
PROCEDURE NO. 2
Water Tower Dump Tank Adjustment
Anderson Park Pool – City of Wheat Ridge, CO

Wheat Ridge

1.	This photo shows the Water Tower dump tank water supply valve (orange handle). This valve determines how fast the dump tank fills, therefore controlling how frequently it will dump. The slower the fill, the longer the time before the tank dumps. If you close this valve completely, the tank will not fill or dump, but the water cannons and the depth charges may still be used. The valve is located beneath the water tower behind the skirt panels.	 Water Tower Dump Tank Adjustment Valve (orange handle)

MAIN START-UP/SHUT DOWN PROCEDURE
For Water Toys and Water Features
Anderson Park Pool – City of Wheat Ridge, CO

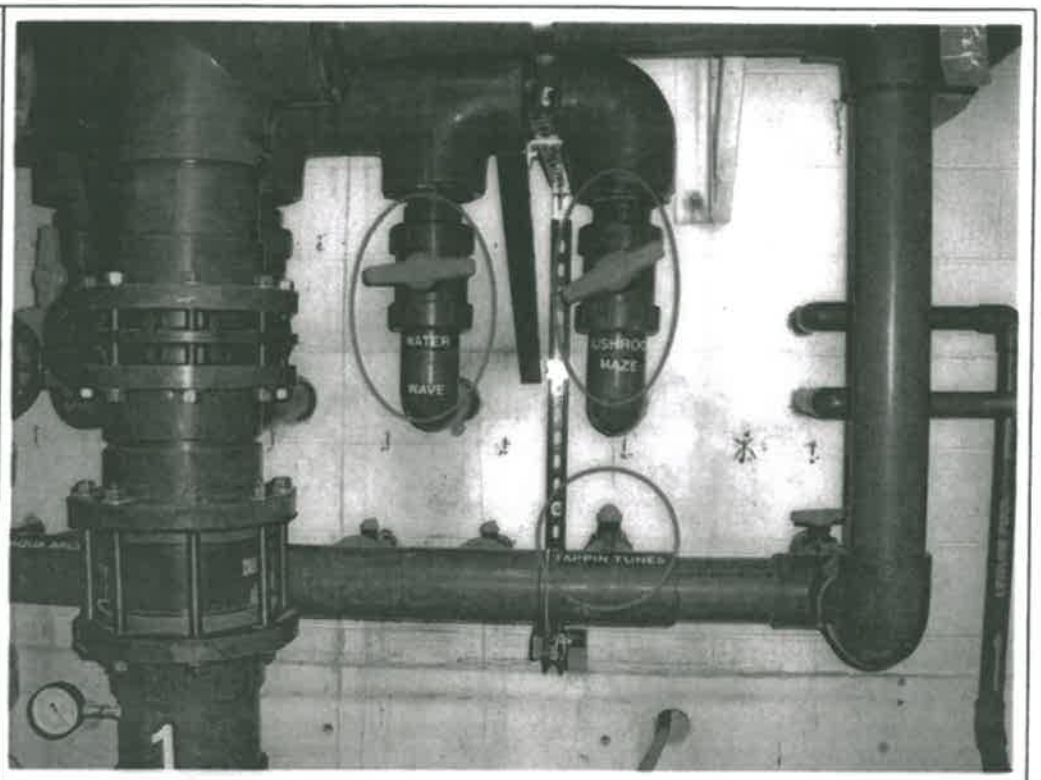
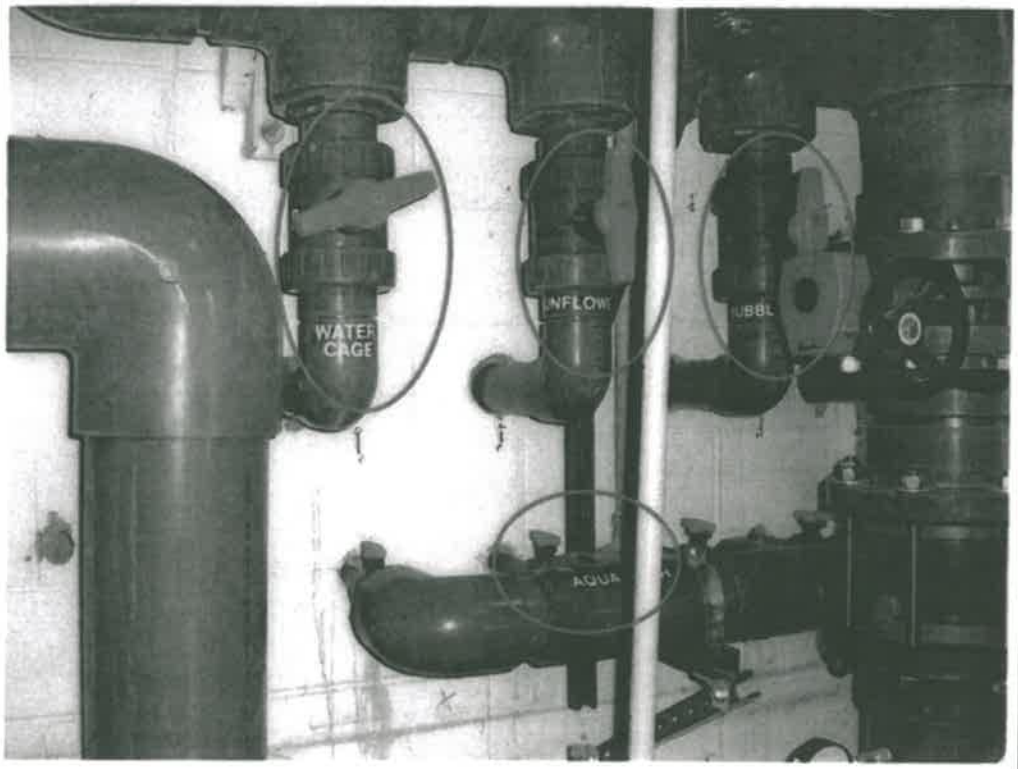
Wheat Ridge

3.	At this time locate the water feature control cabinets (see photo). The Water Tower control cabinet is on the left and is turned on by pulling the knob on the top out. The button will light up GREEN indicating it is ON. When you are closing, push this button in, shutting the tower off. The middle cabinet is for the Tappin' Tunes piano. Turn the black knob on the bottom of cabinet to the ON position, let the controller cycle through its start up procedure and then a touch screen will appear. At this time, touch the square labeled SYSTEM TEST. A new square will pop up with this designation – Tappin Tunes Off – touch this box and it will turn ON, touch it again and it will shut the piano OFF. This should be the only button used to cycle the feature ON and OFF. The only time the black button should be turned OFF is if the facility will be closed for an extended period. The controller to the right operates the features listed on the cabinet and is programmed for facility hours 11:00 am – 7:00 pm. It is automated and should not be touched unless you have studied the manual and are authorized to adjust programming.	

In the PM when you are shutting down, you will first enter the new filter room and turn off the Water Tower and the Tappin' Tunes water features. At this time, pull down on the air compressor disconnect and cautiously open the compressor drain valve ¼ of a turn. Next, you will enter the old filter room and turn the water feature pumps #1 and #3 off using the knobs described earlier in this procedure.

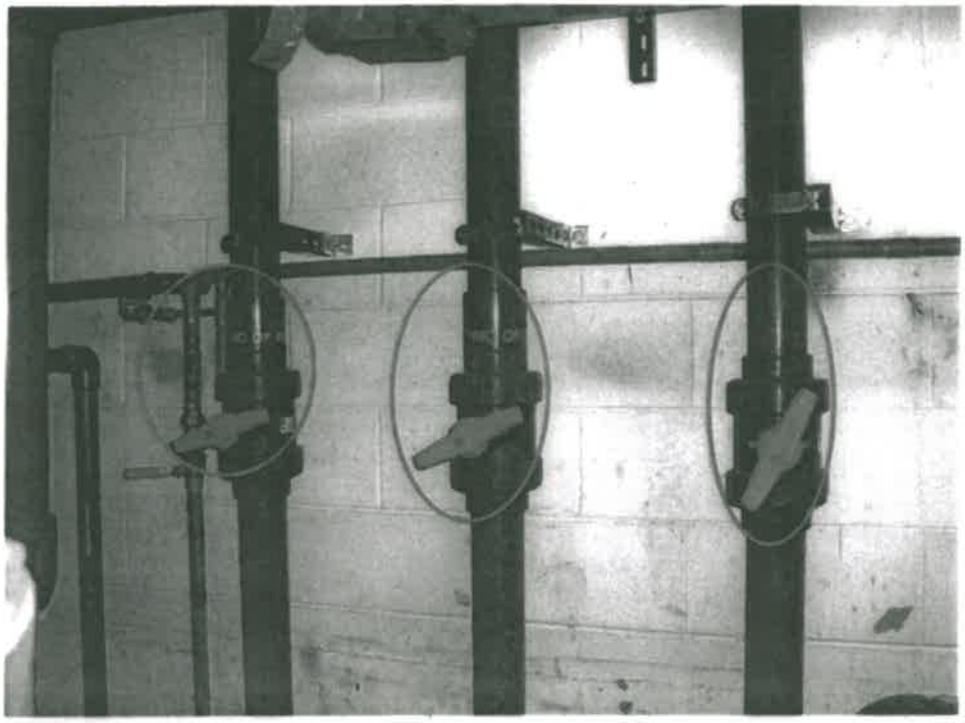
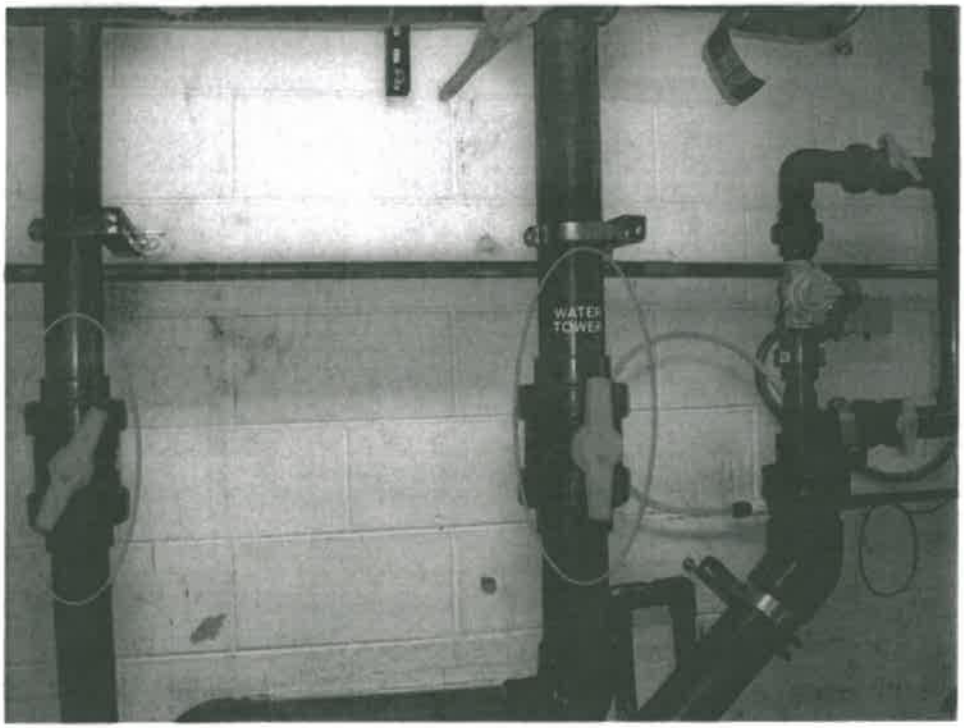
PROCEDURE NO. 3
Water Features – Valve Controls
Anderson Park Pool – City of Wheat Ridge, CO

Wheat Ridge

1.	These pictures show the manual valves used to control the volume of water flowing to a specific water feature (toy). Each valve is labeled with the name of the water feature that it supplies, as shown. • WATER WAVE • MUSHROOM MAZE • TAPPIN' TUNES	
2.	• WATER CAGE • SUNFLOWER • BUBBLER • AQUA ARCH	

PROCEDURE NO. 3
Water Features – Valve Controls
Anderson Park Pool – City of Wheat Ridge, CO

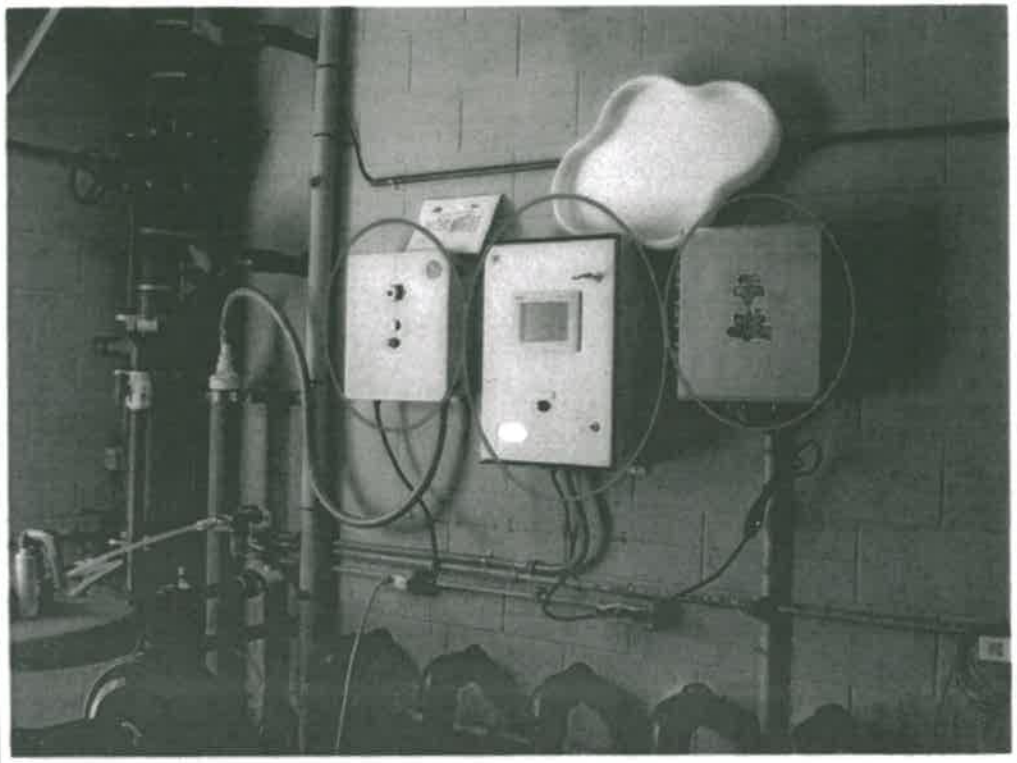
Wheat Ridge

3.	• TRIO OF FUN YELLOW RED BLUE	
4.	• TRIO OF FUN BLUE • WATER TOWER	

Notes: To reduce flow, turn valve handle clockwise (to the right); to increase flow, turn valve handle counterclockwise (to the left). Do not over-tighten.

PROCEDURE NO. 4
Water Features – Control Panels
Anderson Park Pool – City of Wheat Ridge, CO

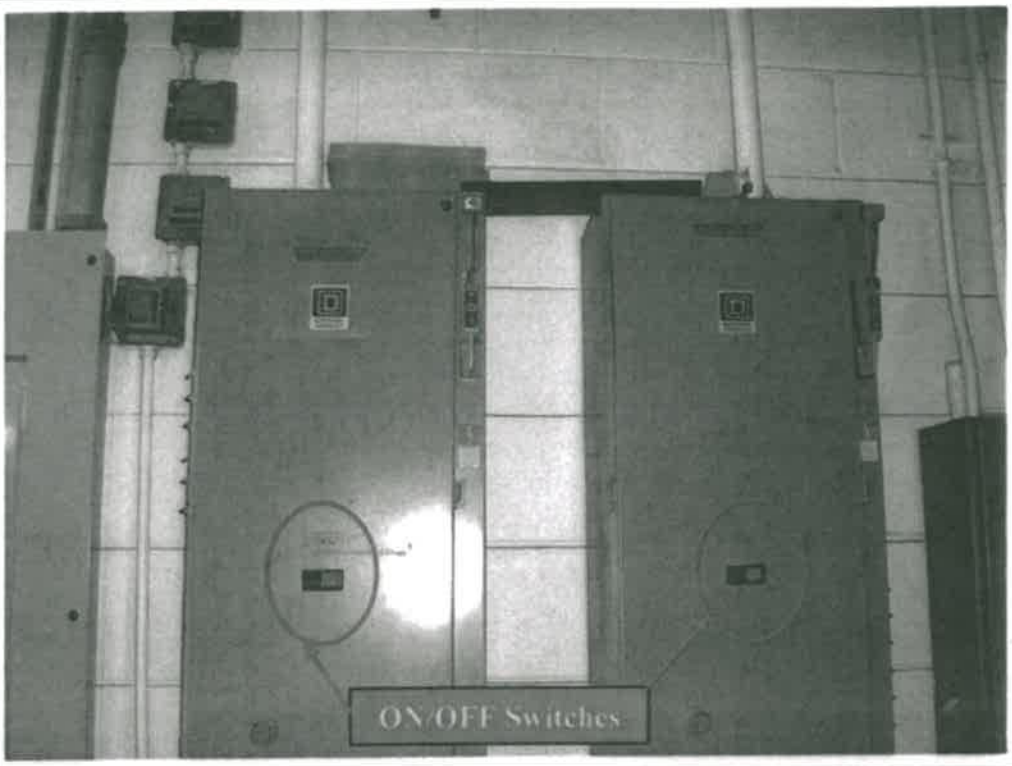
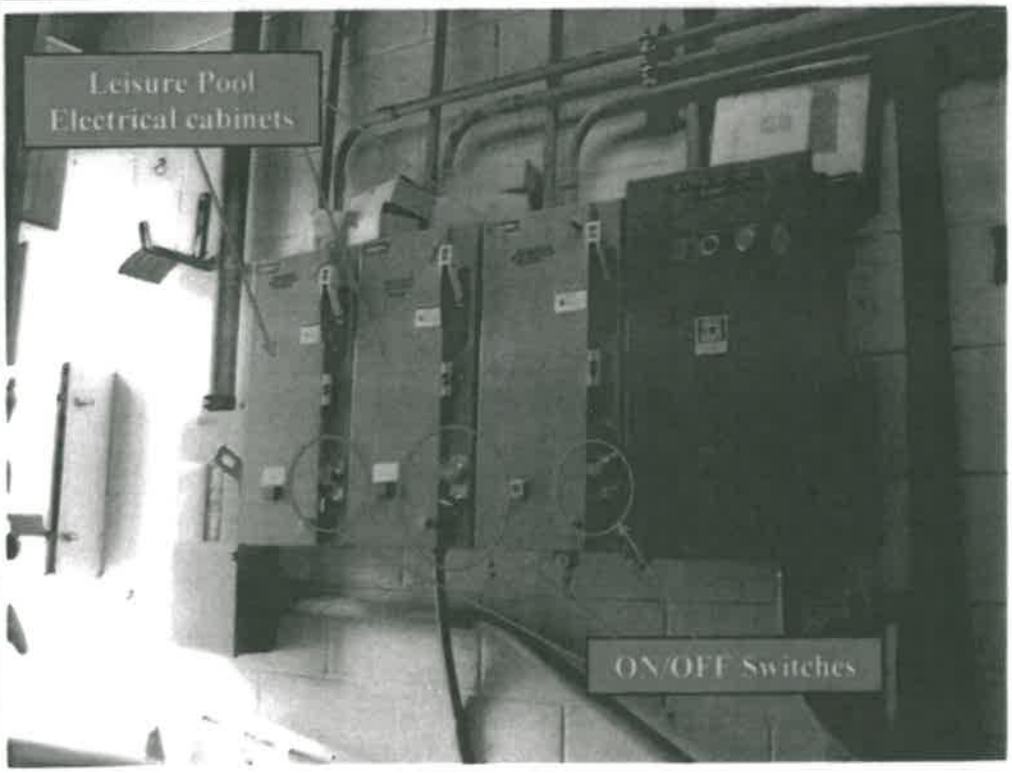
Wheat Ridge

1.	This photo shows the Control Panels from Left (L) to Center (C) to Right (R) for: (L) Water Tower (C) Tappin' Tunes (R) Water Odyssey The Water Odyssey control panel actually controls several of the water features: • Water wave • Mushroom maze • Water Cage • Aqua Arches	

Notes: The automated operation of each water feature is controlled and programmed at the Control Panel. Please refer to the instruction manuals for each water feature to modify the operational parameters for each individual water feature.

PROCEDURE NO. 7
Pump Strainer Baskets Maintenance
Anderson Park Pool – City of Wheat Ridge, CO

Wheat Ridge

1.	These are the electrical cabinets for the COMPETITION POOL filter pumps. There are two (2) pumps associated with the COMPETITION POOL. ***Each pump has a strainer basket that will need to be maintained.*** Turn the pumps ON and OFF at these cabinets, which are labeled COMPETITON POOL FILTER PUMP NO. 1 and NO. 2. Use the RED and BLACK push buttons near the bottom of the cabinets to operate the pumps.	
2.	These are the electrical cabinets for the LEISURE POOL: Filter pump (center) and the water toys (left and right). Do not touch the water slide cabinet on the far right. Turn the LEISURE POOL pumps ON and OFF at these cabinets, which are labeled LEISURE POOL FILTER PUMP and WATER TOYS. ***Each pump (one for each cabinet) has a strainer basket needs to be maintained.*** There is a hand switch (it rotates) on the lower right of each cabinet that will turn the pumps ON and OFF. OFF is in the center position and ON is to the left and is labeled HAND.	

PROCEDURE NO. 7
Pump Strainer Baskets Maintenance
Anderson Park Pool – City of Wheat Ridge, CO

Wheat Ridge

3. Clean strainer baskets on the pumps one at a time by following this procedure:

Shut down the appropriate pump following the steps outlined in Items 1 and 2, above.

Pumps #1 and #3 are for the LEISURE POOL water features while Pump #2 is for the filtration.

- Close valve located upstream of the strainer and remove the lid of the strainer.
- Remove and dispose of debris.
- Once debris is removed and strainer is cleaned, reinstall strainer basket and lid.
- Open valve about halfway and restart pump.
- Then completely open the valve.

If you have shut down and cleaned the basket strainers on any pump, you must also start the chemical pump. See Item 4, below.

LEISURE POOL Pump #1 operates the Mushroom Maze, Water Wave, Water Cage, Aqua Arches, Sunflower, Kiddy slide, Tappin' Tunes piano, and Bubblers.

LEISURE POOL Pump #2 operates the LEISURE POOL filtration.

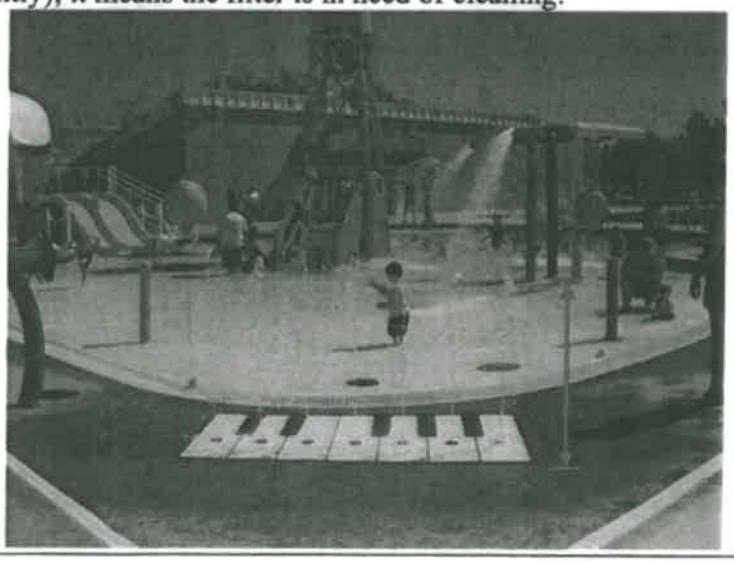
Pump #3 operates the Water Tower and the Trio of Fun.

These blue pumps are the competition pool pumps and have the same basket strainer and valve setup.

PROCEDURE NO. 10
Tappin' Tunes Filter Maintenance
Anderson Park Pool – City of Wheat Ridge, CO

Wheat Ridge

1. The Tappin' Tunes piano water toy utilizes a supply manifold and a sound manifold, both of which are located in the field cabinet immediately adjacent to the toy. The cabinet is located on the SW corner of the leisure pool. See photo. The supply manifold (which is directly in front of you when you open the door of the cabinet) has a Y-strainer with a filter that will require periodic cleaning. To clean this filter, turn the water supply OFF by turning the orange handle to the right on the valve that is located above the Y-strainer and above the control valve (i.e., the valve with wires coming out of it). After closing the manual valve, open the small drain on the Y-strainer to bleed off any pressure that is in the system. At this time, grasp the base of the strainer with both hands and turn it counterclockwise to loosen and remove the filter cover. When the cover is removed, you can slide the filter out and clean debris.

After cleaning filter thoroughly, reassemble filter. Close the drain valve on the strainer and turn the water supply back on by turning the orange handle counterclockwise.

NOTE: If at anytime you see the piano loosing pressure during daily operations (i.e., water is not shooting very high or only operating intermittently), it means the filter is in need of cleaning.