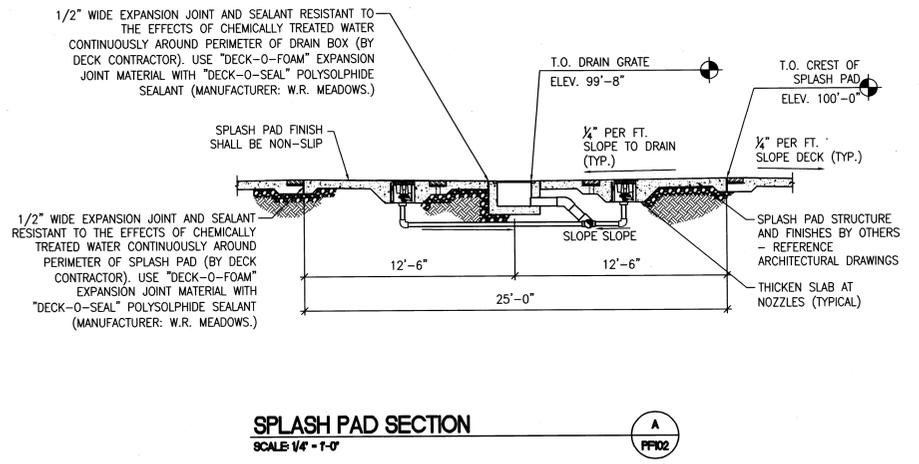
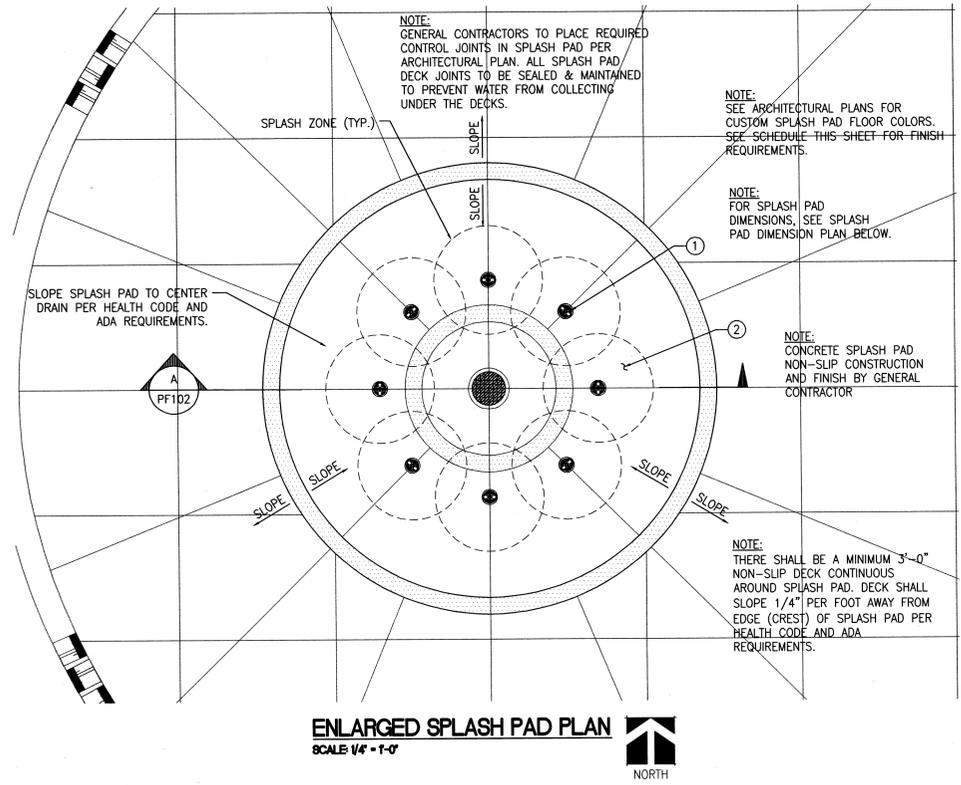




REVISIONS:

**SPLASH PAD SCHEDULE**

MARK	DESCRIPTION	QUANTITY	DETAIL	REQUIREMENT
1	ILLUMINATED GROUND JET	EIGHT	SEE SCHEDULE SHEET PF103	SEE SCHEDULE SHEET PF103
2	SPLASH PAD AND SURFACE	PER PLAN	SEE SCHEDULE SHEET PF103	NON-SLIP CONCRETE (BY GENERAL CONTRACTOR)

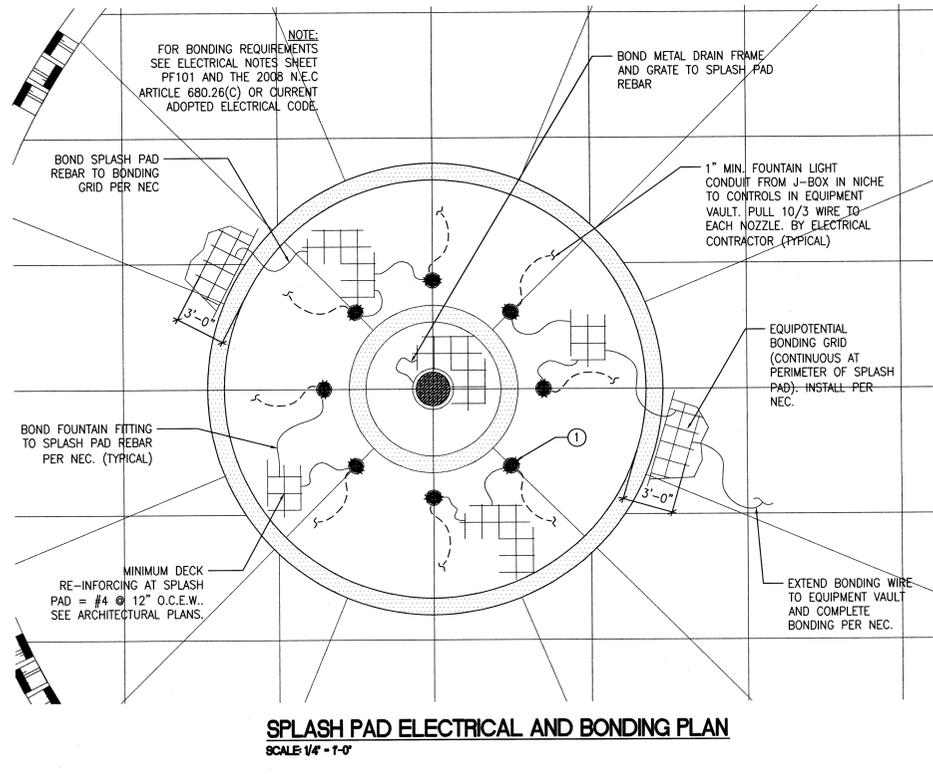
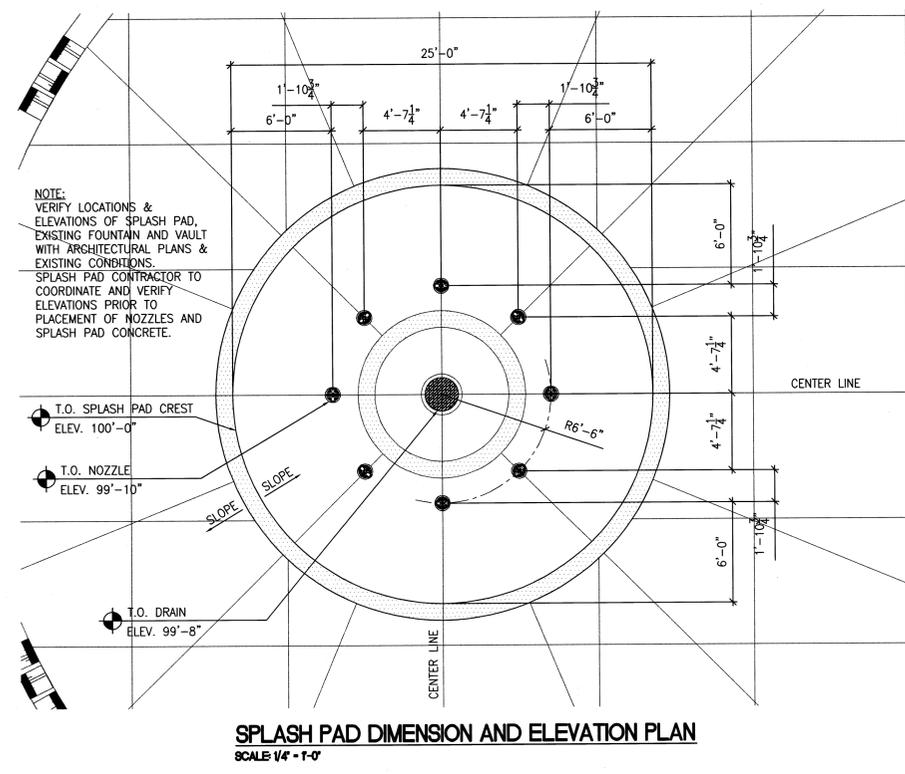
REMARKS: 12VAC. PROVIDE WITH OPTIONAL STAINLESS STEEL DECORATIVE GRILL. INSTALL PER MANUFACTURER'S RECOMMENDATION. PROVIDE WITH WINTER COVER FOR EACH NOZZLE. ONE (1) TAMPER PROOF SCREWDRIVER (P40342), AND ONE (1) LOCKING KEY PER LIGHTS (W4032). INSTALL FLUSH WITH SPLASH PAD SURFACE AND LEVEL. PROVIDE COMPLETE WITH J-BOX, CABLE, AND ALL INTERNALS. SET SPRAY HEIGHT AT 7'-0" (20 FT/SEC) MAX.

REMARKS: REINFORCED CONCRETE SPLASH PAD WITH NON-SLIP STIFF BROOM FINISH OR EQUIVALENT BY GENERAL CONTRACTOR. COMPLETE WITH REQUIRED CONTROL JOINTS. COLOR SELECTION BY LANDSCAPE ARCHITECT. CONTRACTOR TO SUBMIT 36" x 36" WICK-UPS TO ARCHITECT/OWNER FOR APPROVAL OF FINISH AND COLOR. ALSO SEE ARCHITECTURAL DRAWINGS. SLOPE 1/4" PER FOOT TO FEATURE DRAIN.

**SPLASH PAD DATA**

SIZE:	25'-0" DIAMETER
DEPTH:	0" (WET DECK)
SHAPE:	CIRCULAR
CONST. TYPE:	CONCRETE & STONE
AREA:	491 SQ.FT.
PERIMETER:	78.5'
VOLUME:	1,481 GALLONS (BALANCING TANK)
MIN. FLOW:	65 GPM
MAX. FLOW:	85 GPM
TURNOVER:	17 MIN.

**NOTES:**  
POOL CONTRACTOR TO PROGRAM THE CONTROLLER WITH SEQUENCE AND DURATION OF THE 8 SPRAY NOZZLES TO CREATE AN OWNER-APPROVED "PROGRAM". WHEN NO PROGRAM IS RUNNING, THE BYPASS VALVE SHALL BE OPEN



SEE SHEETS PF101, PF103, PF104, PF401 FOR ADDITIONAL NOTES AND REQUIREMENTS.



100% CONSTRUCTION DOCUMENTS

**Water Design Inc.**  
5047 S. Galleria Dr.  
Murray, Utah 84123  
Phone: (801) 261-4009  
Fax: (801) 261-4069

SLCC  
LEGACY PROJECT  
PHASE 1  
4600 South Redwood Rd.  
Taylorsville, UT 84130

SLCC

DRAWN BY: WW  
CHECKED BY: BA  
OWNER PROJECT NO.:  
GSBS PROJECT NO.: 2008.089.00  
ISSUED DATE: 7/15/09

ENLARGED SPLASH PAD PLAN

REVISIONS:


**SPLASH PAD/FOUNTAIN PIPING NOTES:**

1. ALL CIRCULATION AND GRAVITY PIPING SHALL BE NSF APPROVED (ANSI/NSF 14), SCHEDULE 40 PVC (UNLESS OTHERWISE NOTED). ALL NOZZLE SUPPLY PIPING SHALL BE NSF APPROVED (ANSI/NSF 14), SCHEDULE 80 PVC (UNLESS OTHERWISE NOTED).
2. ALL PIPING SHALL BE IN ACCORDANCE WITH THE UTAH STATE PLUMBING CODE AND UTAH DEPARTMENT OF PUBLIC HEALTH CODE, THE A.S.T.M. DESIGNATION NUMBER D-1785, AND THE NSF SEAL FOR POTABLE WATER.
3. PVC PIPE INSTALLED SHALL CONFORM TO THE REQUIREMENT OF TECHNICAL REPORT PPI-TR 13 (8/75), PLASTIC PIPE INSTITUTE.
4. SPLASH PAD CONTRACTOR SHALL MAKE EVERY EFFORT TO CURTAIL THE USE OF FITTINGS TO REDUCE HEAD.
5. PIPING SHALL BE INSTALLED WITHOUT AIR ENTRAPPING HIGH POINTS OR REVERSE SLOPES, I.E. ON DISCHARGE LINES, NO DESCENDING RUNS BEYOND HORIZONTAL OR ASCENDING RUNS, ON SUCTION LINES, NO DESCENDING RUNS BEYOND ASCENDING RUNS.
6. ALL UNDERGROUND PRESSURE AND SUCTION PIPING SHALL SLOPE A MINIMUM OF 1%.
7. PIPING SHALL BE INSTALLED TO PREVENT FREEZING. WINTERIZE PIPING DURING WINTER MONTHS WHEN SPLASH PAD IS NOT IN OPERATION.
8. ALL PIPING SHALL BE TESTED WITH AN INDUCED STATIC HYDRAULIC PRESSURE TEST AT MINIMUM 50 POUNDS PER SQUARE INCH (PSI) FOR 24 HOURS OR PER WRITTEN SPECIFICATIONS IF PROVIDED.
9. ALL PIPING DESIGNED FOR 6' PER SECOND MAXIMUM SUCTION, 10' PER SECOND MAXIMUM PRESSURE, AND 3' PER SECOND MAXIMUM GRAVITY.
10. VERIFY PIPE SIZES WITH THE EQUIPMENT ROOM PLAN AND SCHEMATIC. IF THERE ARE ANY DISCREPANCIES, REPORT THEM TO THE ARCHITECT/ENGINEER IMMEDIATELY.
11. SPLASH PAD CONTRACTOR SHALL COORDINATE ALL WORK WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND STRUCTURAL DRAWINGS.
12. OVERALL PIPING IS SHOWN IN DIAGRAMMATIC FORM TO INDICATE WORK TO BE DONE RATHER THAN TO SHOW EXACT ROUTING & LOCATION. MAKE USE OF ALL DATA IN CONTRACT DOCUMENTS, VERIFY AGAINST DEVELOPED FIELD CONDITIONS, & INSTALL WORK IN AN ORDERLY ARRANGEMENT IN A MANNER TO OVERCOME STRUCTURAL, MECHANICAL & ELECTRICAL INTERFERENCE.
13. ALL DRAIN PIPING MUST BE LAID SO IT WILL DRAIN TO THE BALANCING TANK COMPLETELY BY GRAVITY.
14. DRAINAGE PLUGS OR VALVES SHALL BE PROVIDED IN THE PIPING SYSTEM TO ALLOW FOR DRAINING OF FEATURE PIPING.
15. FEATURE CONTRACTOR SHALL PROVIDE OPERATION AND DRAINING INSTRUCTION TO THE OWNER.
16. ALL ELEVATIONS TO BE FIELD VERIFIED TO ALLOW FOR PROPER PITCH AND DRAINAGE. PITCH APPROXIMATELY 1" IN 10'-0".

**SPLASH PAD FITTING SCHEDULE**

MARK	DESCRIPTION	QUANTITY	DETAIL	REQUIREMENT
5	SPLASH PAD DRAIN	1	5 (P/ST)	24" STAINLESS STEEL DRAIN WITH FRAME. SEE ARCH DRAWINGS.
4	CUSTOM INLET	8	4 (P/ST)	CUSTOM PVC.
1	ILLUMINATED GROUND JET	SEE SCHEDULE SHEET PF102	1 (P/ST)	SEE SCHEDULE SHEET PF102.
1	CIRCULATION EQUIPMENT VAULT	1	N/A	EXISTING.
2	BALANCING TANK	PER PLAN	N/A	SEE SCHEDULE SHEET PF401.
3	PIPE WALL SLEEVE WITH MECHANICAL SEAL	AS REQUIRED	3 (P/ST)	THUNDERBOLT "TUNE-SEAL" OR APPROVED EQUAL.
4	PIPE PENETRATION SEAL	AS REQUIRED	N/A	DE NEEF SHIELSEAL OR APPROVED EQUAL.
1	FILL LINE W/ 6" FILL TUNNEL	1	SEE SCHEMATIC SHEET P/ST01	3" PVC.

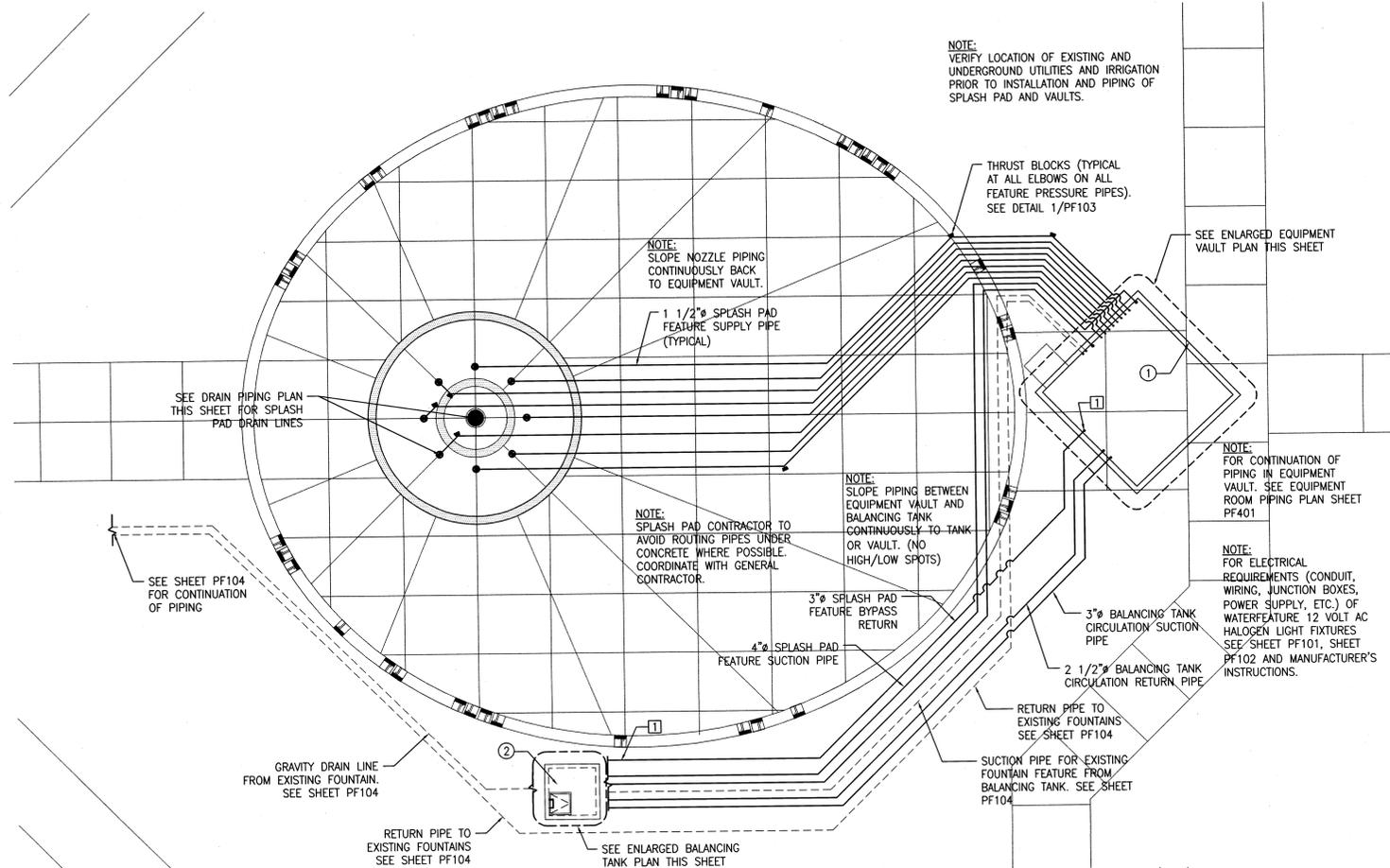
REMARKS: PROVIDE GRATE AND FRAME. PROVIDE FIELD FABRICATED SUMP WITH OUTLET PORT IN LOCATIONS AS SHOWN ON THE PIPING PLAN. SECURE WITH TAMPER PROOF STAINLESS STEEL FASTENERS (6000 META COVER AND FRAME PER REC-2008 OR CURRENT ADOPTED REC. SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION).

REMARKS: CAP A 1 1/2" PIPE AND DRILL A 1/2" HOLE IN CAP.

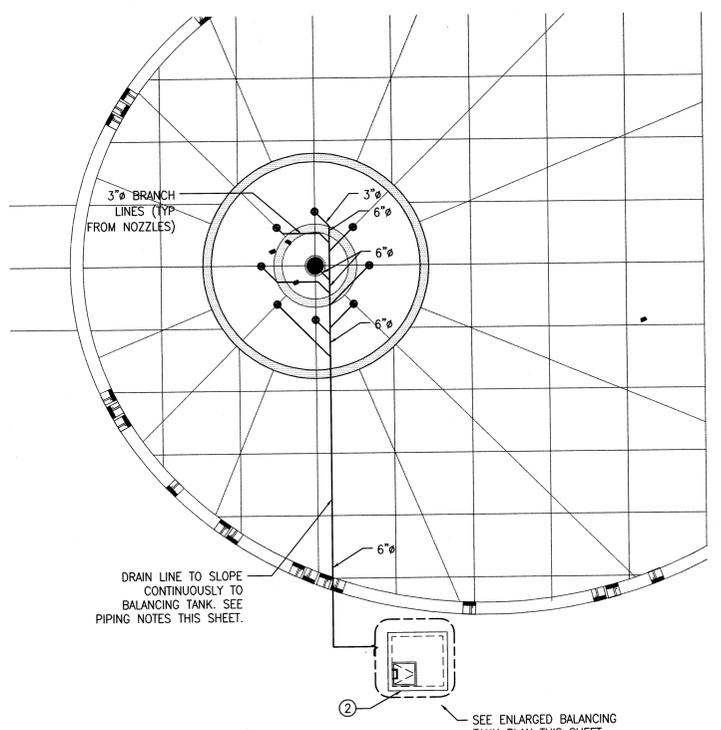
REMARKS: VAULT SHALL HAVE SUMP W/ SUMP PUMP TO WASTE PER LOCAL CODE BY OTHERS. VENTILATION OF VAULT BY MECHANICAL. SEE ARCHITECTURAL PLANS FOR REMODELING AND ADDITIONAL INFO.

REMARKS: PROVIDE MANUFACTURER'S SLEEVE (OR CORE DRILL) AT ALL BALANCING TANK/VAULT PENETRATIONS. COORDINATE PIPE PENETRATIONS SEALING WITH GENERAL CONTRACTOR AND TANK MANUFACTURER.

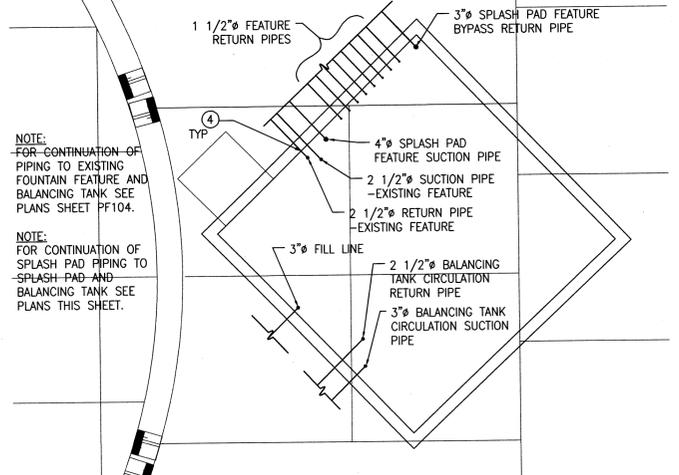
REMARKS: PROVIDE WATERIGHT SEAL AT ALL PIPE PENETRATIONS.



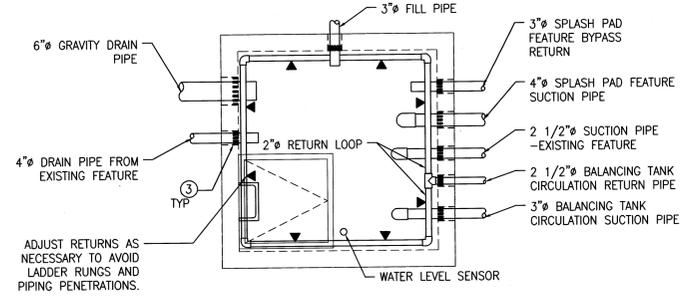
**SPLASH PAD FILTRATION AND FEATURE RETURN PIPING PLAN**  
SCALE 1/8" = 1'-0"



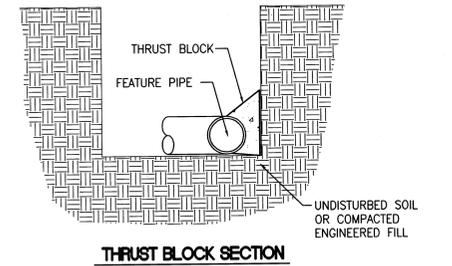
**SPLASH PAD FEATURE DRAIN PIPING PLAN**  
SCALE 1/8" = 1'-0"



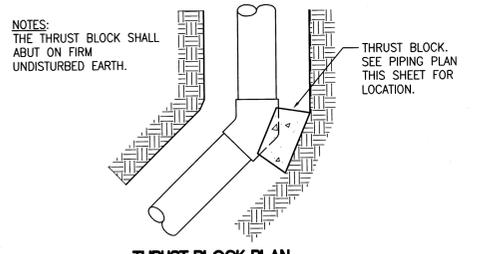
**ENLARGED EQUIPMENT VAULT PLAN**  
SCALE 1/4" = 1'-0"



**ENLARGED BALANCING TANK PLAN**  
SCALE 1/2" = 1'-0"



**THRUST BLOCK SECTION**



**THRUST BLOCK PLAN**

**THRUST BLOCK DETAIL**  
SCALE 1 1/2" = 1'-0"

1  
PF103

SEE SHEETS PF101, PF104 AND PF401 FOR ADDITIONAL NOTES AND REQUIREMENTS.



100% CONSTRUCTION DOCUMENTS

**Water Design Inc.**

5047 S. Galleria Dr.  
Murray, Utah 84123  
Phone: (801) 261-4009  
Fax: (801) 261-4069

SLCC  
LEGACY PROJECT  
PHASE 1  
4600 South Redwood Rd.  
Taylorsville, UT 84130

SLCC

DRAWN BY: WW  
CHECKED BY: BA  
OWNER PROJECT NO.: 2008.089.00  
GSBS PROJECT NO.: 2008.089.00  
ISSUED DATE: 7/15/09

SPLASH PAD PIPING PLAN

REVISIONS:


**SCOPE NOTES**

SCOPE OF DRAWINGS ARE FOR THE FOLLOWING ONLY:

1. CONNECTION OF NEW FOUNTAIN FEATURE PIPING TO EXISTING FOUNTAIN FEATURE PIPING.
2. ABANDONMENT OF EXISTING FOUNTAIN VAULT AND PIPING AS SHOWN.
3. PRESSURE TESTING OF ALL EXISTING FOUNTAIN PIPING PRIOR TO CONNECTION OF NEW PIPING. (NOTIFY GENERAL CONTRACTOR/OWNER OF ANY OBSERVED LEAKS OR OTHER UNFORESEEN SUBSURFACE CONDITIONS - OWNER APPROVAL IS REQUIRED PRIOR TO PROCEEDING WITH ANY REPAIRS).
4. EXTENDING NEW PIPING TO AND FROM BALANCING TANK/EQUIPMENT VAULT AS SHOWN, INCLUDING PIPE PENETRATIONS.
5. RELOCATION OF EXISTING FEATURE PUMP AND INSTALLATION OF ASSOCIATED VALVES, FITTINGS, ETC., AS INDICATED WITHIN THESE DOCUMENTS.
6. EXCAVATION AND BACKFILLING OF TRENCHES AND OTHER EXCAVATED AREAS (BY G.C.).
7. ABANDON EXISTING FOUNTAIN BASIN DRAINS.

NOT INCLUDED WITHIN THE SCOPE OF THESE DRAWINGS:

1. REVIEW OF EXISTING FOUNTAINS' STRUCTURES, FITTINGS, AND FINISHES.
2. ANY UNFORESEEN SUBSURFACE CONDITIONS THAT MAY AFFECT ITEMS INCLUDED IN THE SCOPE OF THE DESIGN.
3. ANY DECKING, DECK DRAINS, RETAINING WALLS, LANDSCAPING AND IRRIGATION SYSTEMS.

**LEGEND**

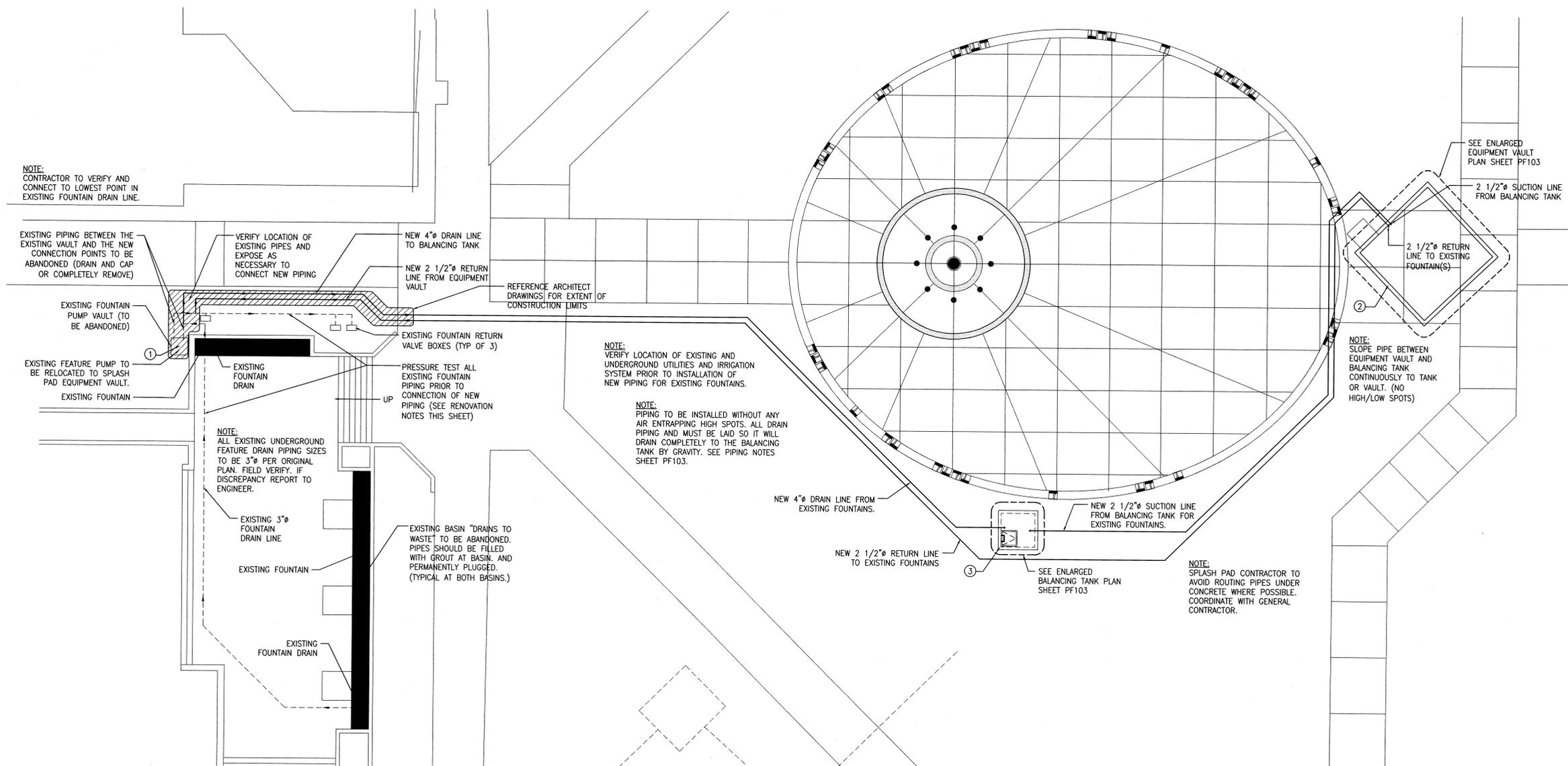
SHADED AREA INDICATES DEMOLITION WORK AT EXISTING FOUNTAIN. ALL DEMOLITION SHOWN ON THIS PLAN SHALL BE PROVIDED BY FOUNTAIN CONTRACTOR U.O.N.

**RENOVATION NOTES:**

1. ENSURE THAT THE EXISTING FOUNTAIN AND RETAINING WALL STRUCTURES ARE NOT DAMAGED DURING DEMOLITION AND EXPOSURE OF EXISTING PIPING AND EQUIPMENT VAULT, AND INSTALLATION OF NEW PIPING.
2. RENOVATION/DEMOLITION INCLUDES REMOVING ALL DEBRIS AND MATERIALS FROM SITE AND DISPOSING OF SUCH ITEMS. CONTRACTOR SHALL COORDINATE WITH OWNER REGARDING WHICH ITEMS ARE TO REMAIN ON SITE, WHICH ARE TO BE REMOVED, AND WHICH ARE TO BE TURNED OVER TO OWNER.
3. FIELD VERIFY EXISTING PIPE SIZES AND OTHER EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK. FIELD VERIFY SUBSURFACE CONDITIONS AFTER DEMOLITION/ PREPARATION AND PRIOR TO PROCEEDING WITH NEW WORK. NOTIFY OWNER/ENGINEER OF ANY DISCREPANCIES.
4. FOR THE FOUNTAINS THAT ARE EXISTING, THE DRAWINGS AND INFORMATION SHOWN ARE INTENDED AS A GUIDE ONLY. THESE PLANS SHOULD ONLY BE USED IN CONJUNCTION WITH CONTRACTOR FIELD VERIFICATION PRIOR TO CONSTRUCTION.
5. FOUNTAIN CONTRACTOR TO TEST EXISTING PIPING (INDUCED STATIC HYDRAULIC PRESSURE TEST) PRIOR TO CONNECTION OF NEW PIPING. FOUNTAIN CONTRACTOR TO NOTIFY OWNER OF ANY SERVICE/PARTS REQUIRED OR IF REPLACEMENT OF ANY EQUIPMENT IS NECESSARY PRIOR TO RENOVATION. OWNER TO APPROVE ALL ADDITIONAL COSTS PRIOR TO COMMENCEMENT OF WORK.
6. GENERAL CONTRACTOR, FOUNTAIN CONTRACTOR AND ALL OTHER CONTRACTORS SHALL BE RESPONSIBLE FOR PROTECTION OF EXISTING RETAINING WALLS, FOUNTAIN STRUCTURES, IRRIGATION SYSTEMS, FINISHES, BUILDINGS, VEHICLES, DECKING, LANDSCAPING, FENCE AND HARDWARE ETC. FROM DAMAGE AND DUST DUE TO DEMOLITION/ PREPARATION AND/OR NEW CONSTRUCTION.

**EXISTING FOUNTAIN SCHEDULE**

MARK	DESCRIPTION	QUANTITY	DETAIL	REQUIREMENT
①	FOUNTAIN EQUIPMENT VAULT	EXISTING	N/A	TO BE ABANDONED
②	CIRCULATION EQUIPMENT VAULT	EXISTING	N/A	SEE SHEET PF401
③	BALANCING TANK	PER PLAN	(TYP)	SEE SHEET PF401



**EXISTING FOUNTAIN PIPING RENOVATION PLAN**  
SCALE 1/8" = 1'-0"

SEE SHEETS PF101, PF103 AND PF401 FOR ADDITIONAL NOTES AND REQUIREMENTS.



FOR: HYDRAULIC, FILTRATION, & SANITING SYSTEMS ONLY.

100% CONSTRUCTION DOCUMENTS

**Water Design Inc.**  
5047 S. Galleria Dr.  
Murray, Utah 84123  
Phone : (801) 261-4009  
Fax : (801) 261-4069

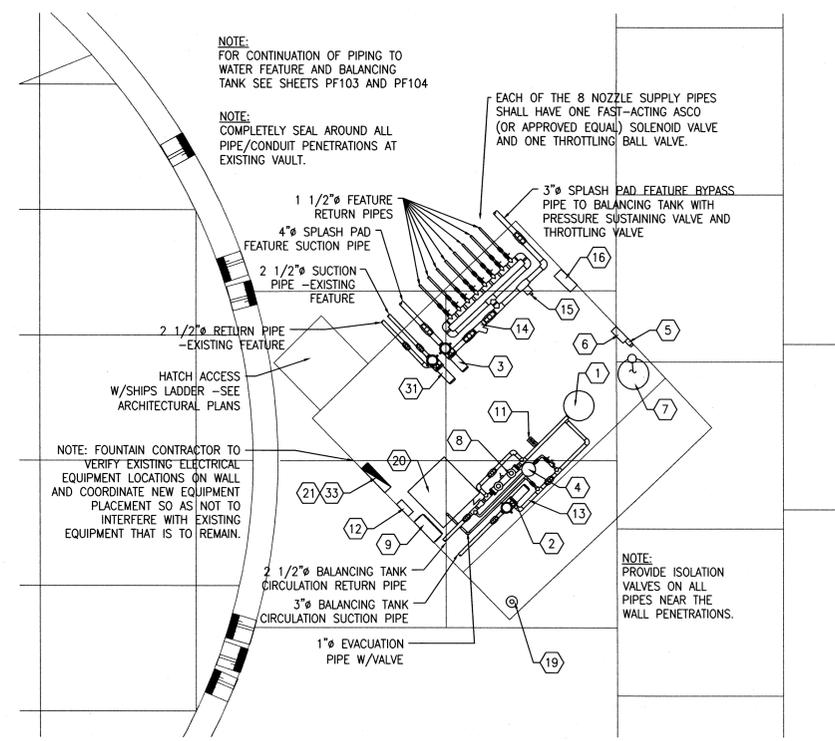
SLCC  
LEGACY PROJECT  
PHASE 1  
4600 South Redwood Rd.  
Taylorsville, UT 84130

SLCC

DRAWN BY: WW  
CHECKED BY: BA  
OWNER PROJECT NO.:  
GSBS PROJECT NO.: 2008.089.00  
ISSUED DATE: 7/15/09

EXISTING FOUNTAIN PIPING RENOVATION PLAN

REVISIONS:

**SPLASH PAD EQUIPMENT VAULT PLAN**  
SCALE 1/4" = 1'-0"

**EQUIPMENT ROOM NOTES:**

1. FILTRATION AND CHEMICAL EQUIPMENT SHALL BE NATIONAL SANITATION FOUNDATION (NSF) APPROVED.
2. SEE OVERALL PIPING PLAN TO VERIFY PIPE SIZES AND FOR CONTINUATION OF PIPING. IF THERE ARE ANY DISCREPANCIES, REPORT THEM IMMEDIATELY TO THE ARCHITECT/ENGINEER.
3. POOL CONTRACTOR SHALL IDENTIFY ALL PIPING AND VALVES BY COLOR CODING AND DIRECTION OF FLOW ARROWS IN ACCORDANCE WITH LOCAL HEALTH CODE.
4. REDUCER FITTINGS SHALL BE USED WHERE PIPE SIZES CHANGE.
5. NO COMMON PIPING OR FITTING ON THE SUCTION SIDE OF THE PUMP IS TO BE SMALLER THAN THE LARGEST SINGLE ELEMENT CONNECTED. DOWNSIZING AND UPSIZING IS TO BE DONE AT THE THROATS OF THE PUMP PORTS.
6. ALL VALVES SHALL HAVE A MINIMUM PRESSURE RATING OF 125 PSI.
7. THE CIRCULATION PUMP MAY BE REPLACED WITH ANY NSF APPROVED PUMP THAT PROVIDES A FLOW BETWEEN THE MINIMUM & MAXIMUM FLOW RATE AND HEAD SPECIFIED.
8. ALL TRADES SHALL KEEP SPACE ABOVE POOL EQUIPMENT CLEAR FOR THEIR SERVICES.
9. HAIR AND LINT STRAINER OPENINGS SHALL BE NO MORE THAN 1/8". THE HAIR AND LINT STRAINER MUST PROVIDE A FREE FLOW CAPACITY OF AT LEAST FOUR TIMES THE AREA OF THE PUMP SUCTION LINE.
10. FILTERS SHALL BE PROVIDED WITH THE FOLLOWING APPROPRIATELY LOCATED ACCESSORIES: INFLUENT AND EFFLUENT PRESSURE GAUGES, AIR RELIEF VALVE AT THE HIGH POINT OF THE FILTER SYSTEM, AND A VALVED TANK DRAIN.
11. FLOWMETER SHALL BE PROVIDED IN THE INLET RETURN LINE AFTER FILTER AND BEFORE CHEMICAL INJECTION. INSTALL ON A STRAIGHT LENGTH OF PIPE AT A DISTANCE OF AT LEAST 10 PIPE DIAMETERS DOWNSTREAM AND 5 PIPE DIAMETERS UPSTREAM FROM ANY VALVE, ELBOW OR OTHER SOURCE OF TURBULENCE OR PER MANUFACTURER'S SPECIFICATIONS.
12. ALL EVACUATION SHALL BE TO AN APPROVED PLUMBING FIXTURE. ALL EVACUATION SHALL BE RECEIVED INTO THE SANITARY SEWER.
13. ALL SELF PRIMING CIRCULATING PUMPS SHALL BE INSTALLED NO MORE THAN 2'-0" ABOVE THE OPERATING WATER LEVEL OF THE POOL BEING SERVED. ALL NON-SELF PRIMING PUMPS SHALL BE INSTALLED BELOW THE WATER LEVEL OF THE POOL.
14. PROVIDE A COMBINATION VACUUM/PRESSURE GAUGE ON THE SUCTION SIDE OF THE CIRCULATION PUMP.
15. FOR FEATURE PUMPS PROVIDE A COMBINATION VACUUM/PRESSURE GAUGE ON THE SUCTION SIDE OF THE PUMP AND A PRESSURE GAUGE ON THE DISCHARGE SIDE OF THE PUMP.

**PIPE VALVE NOTES:**

1. ALL VALVES FOR PIPING 3" AND SMALLER SHALL BE PVC BALL VALVES, ASH/AMERICAN OMIN OR EQUAL.
2. ALL VALVES 4" AND LARGER SHALL BE BUTTERFLY VALVES ASH/AMERICAN FOUNTAIN COMPATIBLE VALVES ("POOL PRO" OR EQUAL). BUTTERFLY VALVES ARE TO BE MANUFACTURED OF PVC WITH REINFORCED DISKS BUBBLE-TITE WITH STAINLESS STEEL SHAFTS.
3. VALVES 4" AND 6" SHALL BE LEVER OPERATED. VALVES 8" AND ABOVE SHALL BE GEAR OPERATED.
4. ALL CHECK VALVES SHALL BE TECHNO-CHECK, SERIES 5001, PVC, FLANGED ENDS, WATER TYPE CHECK VALVES, SIZE AS REQUIRED.

**PIPE HANGER NOTES:**

THE PIPE HANGERS SHALL BE ADJUSTABLE B-LINE FIGURE B3105 STAINLESS STEEL OR EQUAL. PIPE SUPPORTS SHALL BE ADJUSTABLE B-LINE FIGURE B3092 STAINLESS STEEL SADDLE SUPPORT WITH FIGURE B3087 STAINLESS STEEL STAND OR APPROVED EQUAL. PIPE HANGERS AND SUPPORTS SHALL BE CONSTRUCTED OF STAINLESS STEEL AND SHALL BE LOCATED AS NEEDED TO ADEQUATELY SUPPORT ALL PIPING AND COMPONENTS. POOL CONTRACTOR MAY FABRICATE SPECIAL HANGERS OR SUPPORTS SUBJECT TO APPROVAL OF THE ARCHITECT. PVC PIPING SHALL NOT BE UNSUPPORTED FOR LENGTHS IN EXCESS OF SIX FEET. PROVIDE ADEQUATE SUPPORTS AND SPACING AS TO AVOID PIPE SAGGING BETWEEN SUPPORTS AND TO SUPPORT AGAINST THE EFFECTS OF WATER HAMMER. ALL POOL PIPING LARGER THAN 3" MUST BE SUPPORTED FOR SEISMIC LOADS IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE. THE POOL CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL SEISMIC BRACING.

**SPLASH PAD EQUIPMENT INTERLOCKING NOTES**

ELECTRICAL INTERLOCKING BY ELECTRICAL CONTRACTOR. COORDINATE WITH POOL CONTRACTOR. SEE ELECTRICAL DRAWINGS.

PROVIDE INTERLOCKING OF CIRCULATION EQUIPMENT PER POOL DRAWINGS AND SPECIFICATIONS. PROVIDE RELAY AND CONTROL WIRING IN 3/4" CONDUIT AS REQUIRED.

1. INTERLOCK THE CIRCULATION PUMP WITH THE CHEMICAL RELAYS. (IF SPLASH PAD CIRCULATION PUMP SHUTS OFF, THE POWER TO ALL CHEMICAL FEEDERS SHALL SHUT OFF ALSO.)
2. INTERLOCK THE CIRCULATION PUMP WITH THE UV CONTROL SYSTEM. (IF SPLASH PAD CIRCULATION PUMP SHUTS OFF, THE POWER TO THE UV SYSTEM SHALL SHUT OFF ALSO.)
3. INTERLOCK PUMPS WITH EXISTING JOHNSON CONTROL SYSTEM IF DESIRED BY OWNER.

**SPLASH PAD EQUIPMENT SCHEDULE**  
(VERIFY ALL ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONSULTANT/CONTRACTOR)

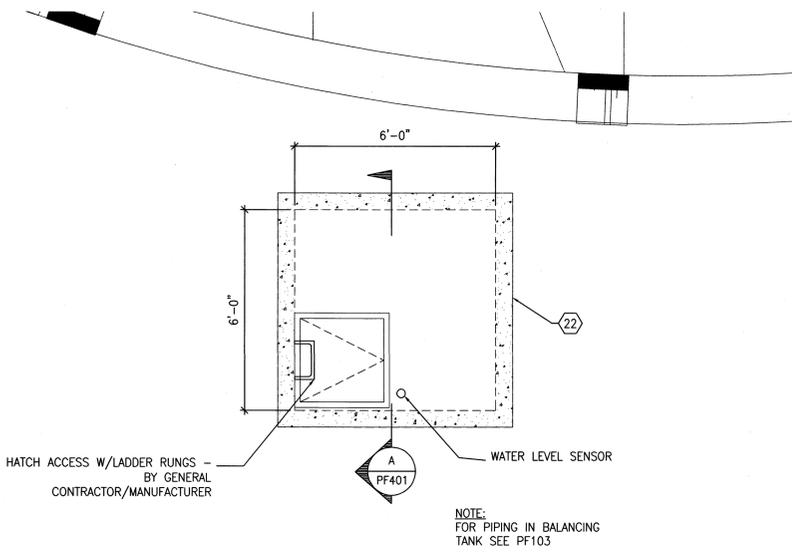
MARK	DESCRIPTION	QUANTITY	DETAIL	REQUIREMENT
1	CARTRIDGE FILTER	1	SEE CIRC. EQUIPMENT SCHEMATIC (PF501)	PENTAIR CLEAN & CLEAR PLUS #C27-500 OR APPROVED EQUAL. REMARKS: 21.5" FILTER. 520 SF FILTER AREA. PROVIDE WITH EXTRA FILTER CARTRIDGE.
2	CIRCULATION PUMP WITH HAIR AND LINT STRAINER	1	SEE CIRC. EQUIPMENT SCHEMATIC (PF501)	PENTAIR WHISPERFLO WPC-4 (1 HP) OR APPROVED EQUAL. REMARKS: AT 65 GPM, 65 FEET TDH AVAILABLE. 208 V, THREE PHASE. 3450 RPM WITH 3 AUXILIARY CONTACTS. SEE ELECTRICAL INTERLOCK NOTES (BY ELECTRICAL CONTRACTOR). VERIFY WITH ELECTRICAL CONTRACTOR/ENGINEER FOR EXACT ELECTRICAL REQUIREMENTS.
3	SPLASH PAD FEATURE PUMP WITH HAIR AND LINT STRAINER	1	N/A	PENTAIR WHISPERFLO WPC-8 (2 HP) OR APPROVED EQUAL. REMARKS: AT 125 GPM, 50 FEET TDH AVAILABLE. 208 V, 60 HZ, THREE PHASE. 3450 RPM. VERIFY WITH ELECTRICAL CONTRACTOR/ENGINEER FOR EXACT ELECTRICAL REQUIREMENTS.
4	SOLID FEED CHLORINE FEEDER	1	SEE CIRC. EQUIPMENT SCHEMATIC (PF501)	RAINBOW #HC 3330 OR APPROVED EQUAL. REMARKS: PROVIDE SOLENOID VALVE AND CHECK VALVE. INTERLOCK WITH CHEMICAL CONTROLLER.
5	pH FEED PUMP	1	SEE ELECTRICAL SCHEMATIC (PF501)	STENNER #45-MS OR APPROVED EQUAL. REMARKS: 120 VAC, 60 HZ, 1.7 AMP, 1/30 FRACTIONAL HP.
6	CHEMICAL CONTROLLER	1	SEE ELECTRICAL SCHEMATIC (PF501)	STANTRON SYSTEM 3 OR APPROVED EQUAL. REMARKS: CONTROLS ORP/PH. 120 VAC, <1 AMP. PROVIDE WITH TEMPERATURE SENSING OPTION. ELECTRICAL INTERLOCKING BY ELECTRICAL CONTRACTOR. SEE ELECTRICAL INTERLOCK NOTES. POWER FOR THE CONTROLLER IS ON A SEPARATE CIRCUIT FROM THE RELAY POWER.
7	SODA ASH SOLUTION TANK	1	SEE CIRC. EQUIPMENT SCHEMATIC (PF501)	10 GALLON CONTAINER (1/4" OR APPROVED EQUAL). REMARKS: PROVIDE WITH AGITATOR/MIXER WITH SHAFT AND PROPELLER. START UP CHEMICALS PROVIDED BY POOL CONTRACTOR. VERIFY STORAGE CAPACITY REQUIRED. MODEL: 115V, 1/20 HP.
8	UV DISINFECTION SYSTEM	1	N/A	ENGINEERED TREATMENT SYSTEM MODEL: ECP-110-4 OR APPROVED EQUAL. REMARKS: PROVIDE NSF LISTED UV SYSTEM EQUIPPED WITH MEDIUM PRESSURE UV LAMPS AND AUTOMATIC WIPER. FOR CONTROL PANEL REMARKS, SEE BELOW.
9	UV SYSTEM CONTROL PANEL	1	N/A	ENGINEERED TREATMENT SYSTEM MODEL: NQA-A OR APPROVED EQUAL. REMARKS: CONTROL PANEL ELECTRICAL REQUIREMENTS: 208 VOLT, SINGLE PHASE, 16 AMP, 60 HZ.
10	PRESSURE GAUGE AND VACUUM GAUGE	3 AND 2	SEE CIRC. EQUIPMENT SCHEMATIC (PF501)	0-60 PSI. REMARKS: NOT SHOWN ON PLAN. INTEGRATE TO SHOW FILTER INFLUENT AND EFFLUENT PRESSURES. VACUUM GAUGE ON SUCTION SIDE OF PUMP.
11	CIRCULATION SYSTEM FLOWMETER	1	SEE CIRC. EQUIPMENT SCHEMATIC (PF501)	BLUE WHITE #3020P OR APPROVED EQUAL. REMARKS: METER RANGE: 40-150 GPM.
12	WATER LEVEL CONTROL SYSTEM	1	SEE CIRC. EQUIPMENT SCHEMATIC (PF501)	ADJUSTCONTROL #ELC-800R-05-05 OR APPROVED EQUAL. REMARKS: PROVIDE 115 VAC, 60 HZ, <1.0 AMP. CONTROLLER IS PROVIDED WITH A 5 FOOT POWER CORD. ELECTRICAL CONTRACTOR SHALL PROVIDE A GROUNDED WALL OUTLET WITHIN 5 FEET OF THE CONTROLLER. WIRE CONNECTION TO POTABLE WATER SUPPLY AND PROVIDE MANUAL AND SOLENOID VALVE ON FILL LINE TO FILL FUNNEL W/ AIR GAP. SENSOR UNIT LOCATED IN SURGE TANK. SEE POTABLE WATER LINE REMARKS BELOW. PROTECT SENSOR CABLE IN WATERTIGHT CHAMBER.
13	CIRCULATION SYSTEM FACE PIPING	AS REQUIRED	SEE PLAN AND CIRC. EQUIPMENT SCHEMATIC	PVC SCHEDULE 40 REMARKS: 2" PIPE

**SYMBOL LEGEND**

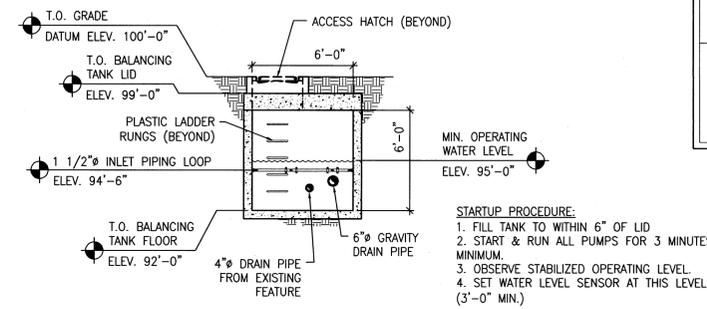
	VALVE
	VALVE
	VALVE
	VALVE
	SOLENOID VALVE
	SOLENOID VALVE
	PRESSURE AND VACUUM GAUGE
	CHECK VALVE
	CHECK VALVE
	CHECK VALVE
	Y STRAINER

**EXISTING FOUNTAIN EQUIPMENT SCHEDULE**  
(VERIFY ALL ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONSULTANT/CONTRACTOR)

MARK	DESCRIPTION	QUANTITY	DETAIL	REQUIREMENT
31	FEATURE PUMP WITH HAIR AND LINT STRAINER	RELOCATE EXISTING	N/A	EXISTING PENTAIR WHISPERFLO #WPC-4 (1 HP) REMARKS: RELOCATE EXISTING FEATURE PUMP. AT 77 GPM, 58 FEET TDH AVAILABLE. VERIFY EXISTING ELECTRICAL REQUIREMENTS. ELECTRICAL CONTRACTOR TO PROVIDE AND CONNECT TO SWITCH OR TIMER.
32	VACUUM GAUGE	1	N/A	0-60 PSI. REMARKS: NOT SHOWN ON PLAN. PROVIDE COMBO VACUUM/PRESSURE GAUGE ON SUCTION SIDE OF PUMP AND PRESSURE GAUGE ON DISCHARGE SIDE OF PUMP.
33	ELECTRICAL PANEL AND/OR MOTOR STARTERS	AS REQUIRED	N/A	ALSO SEE ELECTRICAL DRAWINGS (BY OTHERS). REMARKS: PANEL PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. PANEL AND STARTERS SHALL INCLUDE WIRING AND CONDUIT. ELECTRICAL CONTRACTOR SHALL MAKE ALL CONNECTIONS TO EQUIPMENT. PROVIDE CONTROL WIRING AS DIRECTED BY FOUNTAIN CONTRACTOR. SEE ELECTRICAL INTERLOCK NOTES.



**SPLASH PAD BALANCING TANK PLAN**  
SCALE 1/2" = 1'-0"



**BALANCING TANK SECTION**  
SCALE 1/4" = 1'-0"

**STARTUP PROCEDURE:**

1. FILL TANK TO WITHIN 6" OF LID.
2. START & RUN ALL PUMPS FOR 3 MINUTES MINIMUM.
3. OBSERVE STABILIZED OPERATING LEVEL.
4. SET WATER LEVEL SENSOR AT THIS LEVEL. (3'-0" MIN.)

SEE SHEETS PF103, PF104, PF401 FOR ADDITIONAL NOTES AND REQUIREMENTS.



100% CONSTRUCTION DOCUMENTS



5047 S. Galleria Dr.  
Murray, Utah 84123  
Phone : (801) 261-4009  
Fax : (801) 261-4069

SLCC  
LEGACY PROJECT  
PHASE 1  
4600 South Redwood Rd.  
Taylorsville, UT 84130

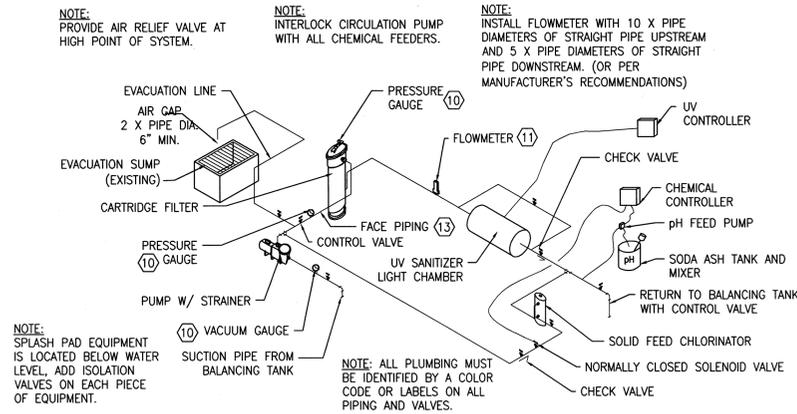
SLCC

DRAWN BY: WW  
CHECKED BY: BA  
OWNER PROJECT NO.:  
GSBS PROJECT NO.: 2008.089.00  
ISSUED DATE: 7/15/09

EQUIPMENT VAULT PLAN AND SCHEDULES

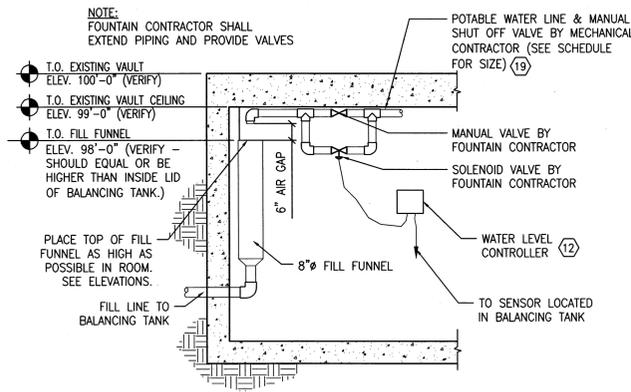
PF401

REVISIONS:

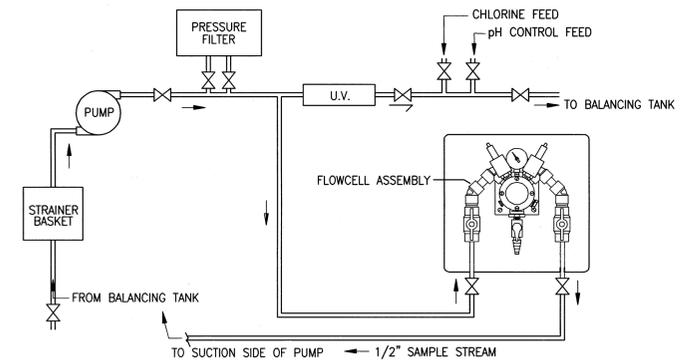
**CIRCULATION EQUIPMENT SCHEMATIC**

SCALE: NONE



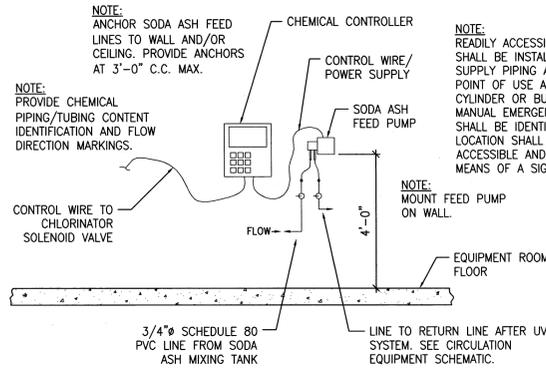
**WATER LEVEL CONTROLLER SCHEMATIC**

SCALE: SCHEMATIC ONLY



**FLOW CELL SCHEMATIC**

SCALE: NONE

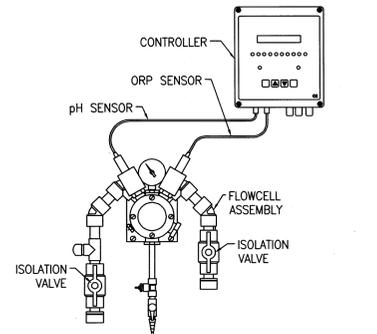


**CHEMICAL FEED PUMP DETAIL**

SCALE: NONE

1

PF501

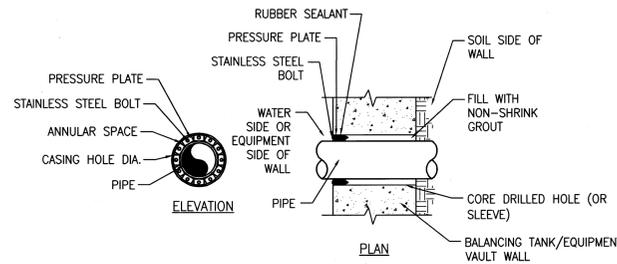


**CHEMICAL CONTROLLER DETAIL**

SCALE: NONE

2

PF501

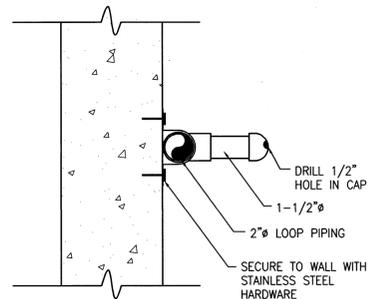


**MECHANICAL LINK SEAL DETAIL**

SCALE: 1 1/2" = 1'-0"

3

PF501

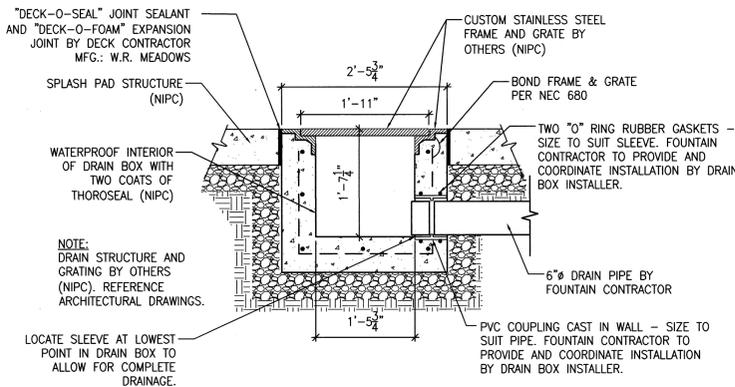


**BALANCING TANK INLET DETAIL**

SCALE: 3" = 1'-0"

4

PF501

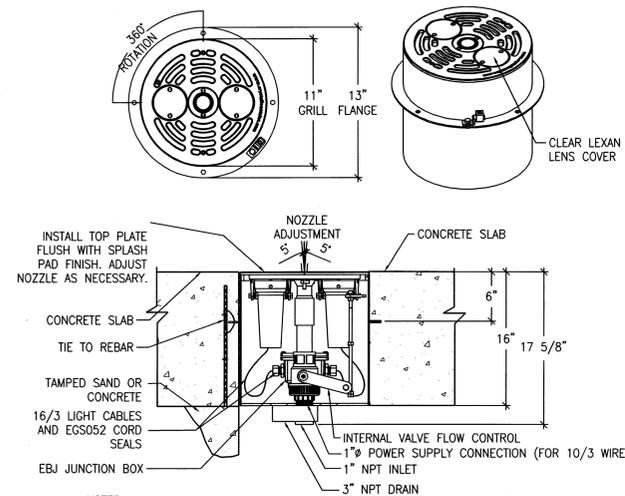


**SPLASH PAD DRAIN AND GRATE DETAIL**

SCALE: 1" = 1'-0"

5

PF501



**LED NICHED NOZZLE GROUND JET DETAIL**

SCALE: 1 1/2" = 1'-0"

6

PF501

- NOTES:**
- FOR INTERACTIVE PLAY AREAS DO NOT EXCEED 20 FEET/SECOND.
  - CONTACT CRYSTAL FOUNTAINS FOR DETAILED SPECIFICATION, INSTALLATION AND OPERATION INSTRUCTION AND PROCEDURES.



FOR HYDRAULIC, FILTRATION, & SANITIZING SYSTEMS ONLY.

100% CONSTRUCTION DOCUMENTS



5047 S. Galleria Dr.  
Murray, Utah 84123  
Phone : (801) 261-4009  
Fax : (801) 261-4069

SLCC  
LEGACY PROJECT  
PHASE 1  
4600 South Redwood Rd.  
Taylorsville, UT 84130

SLCC

DRAWN BY: WW  
CHECKED BY: BA  
OWNER PROJECT NO.:  
GSBS PROJECT NO.: 2008.089.00  
ISSUED DATE: 7/15/09

SPLASH PAD DETAILS

PF501