

AQUATIC CENTER INTRODUCTION:

SPLASH PAD TO CONSIST OF A Ø 70'-0" CONCRETE PAD

NO	PRODUCT	QTY
1	FLASHFLOOD	1
2	HYDROHELIX	1
3	WATERWAY	1
4	SPRAYSTACKER	1
5	SPRAYSHROUD	2
6	JETSTREAM	3
7	AQUAGATHER STATION	1
8	WHIRLFLEX	1
9	UPWARD SPRAY RING	1
10	TRIPLE ARCH JET	3
11	STREAM JET TRIANGLE	2
12	CROWN JET	2
13	JR WATER JEWEL	2
14	MINI PILLAR	2
15	SEA CRAWLER	2

DRAINAGE SYSTEM TO CONSIST OF (3) DRAINS W/ COVERING GRATE AND REMOVABLE DEBRIS BASKET

LIFT STATION SYSTEM TO CONSIST OF:
- PRECAST CONCRETE MANHOLE W/ ALL REQUIRED

- PLUMBING AND ELECTRICAL PORTS AND LOCKABLE
- SUBMERSIBLE PUMP AND CHECK VALVE.
- PUMP FLOAT CONTROL SYSTEM

MECHANICAL SYSTEM TO BE LOCATED IN A NEARBY

SPLASH PAD WATER SOURCE TO BE FROM AN EXISTING POOL USING AN EXISTING FEATURE PUMP. SEE PROVIDED ORIGINAL POOL DRAWINGS FOR EQUIPMENT SPECIFICATIONS.

REQUIRED UTILITIES:

SYCAMORE TRAILS

Splash Pad

MIAMISBURG, OH

(1) FEED @ 230V, 1Ø, 60hz, 40amps W/ NEUTRAL (LIFT STATION PUMP) (1) FEED @ 120V, 1Ø, 60hz, 15 amps (SPLASH PAD CONTROLS)

REVISED 7:36 am, Dec 16, 2022



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SPLASH PAD DRAWING LIST:

- **COVER SHEET**
- GENERAL INFORMATION
- SITE PLAN
- SPLASH PAD LAYOUT
- SPLASH PAD CONCRETE PLAN
- SPLASH PAD CONCRETE FORM
- SPLASH PAD CONCRETE **SECTION AND DETAILS**
- EXISTING PIPING PLAN
- **EXISTING FILTRATION SYSTEM DATA**
- **EXISTING FILTRATION ISOMETRIC**
- SPLASH PAD SUPPLY PIPING PLAN
- SPLASH PAD DRAIN PIPING PLAN
- SPLASH PAD ELECTRICAL PLAN
- SPLASH PAD MECHANICAL SCHEMATIC
- SPLASH PAD MECHANICAL DETAILS

GENERAL SPLASH PAD DATA

NOMINAL SPLASH PAD SURFACE AREA: 3,848 sq.ft. NOMINAL APRON SURFACE AREA: 1,179 sq.ft. NOMINAL TOTAL SURFACE AREA: 5,027 sq.ft.

NOMINAL LIFT STATION VOLUME: 1,025 GAL. NOMINAL LIFT STATION PUMP FLOW RATE: 400 GPM TIME TO EMPTY LIFT STATION WHILE SPLASH PAD IS RUNNING: 64 MIN.

NOMINAL TOTAL FEATURE FLOW: 384 GPM NOMINAL FEATURE FLOW RATE:

NO	PRODUCT	QTY	GPM
1	FLASHFLOOD	1	20
2	HYDROHELIX	1	30
3	WATERWAY	1	10
4	SPRAYSTACKER	1	20
5	SPRAYSHROUD	2	20 EA
6	JETSTREAM	3	5 EA
7	AQUAGATHER STATION	1	10
8	WHIRLFLEX	1	30
9	UPWARD SPRAY RING	1	110
10	TRIPLE ARCH JET	3	5 EA
11	STREAM JET TRIANGLE	2	15 EA
12	CROWN JET	2	5 EA
13	JR WATER JEWEL	2	7 EA
14	MINI PILLAR	2	10 EA
15	SEA CRAWLER	2	5 EA

*** NOTE ***

FOR EXISTING POOL DATA (VOLUME, TURN OVER RATE, FILTRATION RATE, ETC) SEE SHEETS 7/13, 8/13, AND 8-1/13.

WATER QUALITY GUIDELINES

FOR PROPER SPLASH PAD OPERATION MAINTAIN. THE FOLLOWING WATER CHEMISTRY:

- . pH BALANCE: 7.2-7.8
- FREE CHLORINE RESIDUAL: 3.0-5.0 ppm
- 3. TOTAL DISSOLVED SOLIDS: LESS THEN 1000ppm
- CALCIUM HARDNESS: 200-400 1500ppm
- 5. TOTAL ALKALINITY: 80-180ppm AS CALCIUM CARBONATE

SOIL EXCAVATIONS:

REMOVE ALL EXISTING FILL SOILS AND ANY SILTY SANDS (INCLUDING NATURALLY DEPOSITED SOILS). SOILS EXPOSED IN THE EXCAVATION BOTTOM SHOULD CONSIST OF NATURAL COARSE ALLUVIAL SANDS (SP OR SP-SM) SOILS EXPOSED IN THE EXCAVATION BOTTOM SHOULD BE THOROUGHLY SURFACE COMPACTED. FILL PLACED IN THE EXCAVATION SHOULD CONSIST OF NON-FROST SUSCEPTIBLE SANDS HAVING 5% OR LESS PARTICLES (BY WEIGHT) FINER THAN THE #200 SIEVE AND 40% OR LESS PARTICLES FINER THAN THE #40 SIEVE. FILL SHOULD BE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM-D698). REMOVE ALL BACKFILL THAT DOES NOT CONFORM TO MATERIAL SPECIFICATION (SP OR SP-SM CLASSIFICATION) OR MEET COMPACTION REQUIREMENTS. CONSULT SOILS REPORT OR TESTING LABORATORY AS NECESSARY

BILL OF MATERIALS:

- 1. (25) WATERPLAY FEATURES (SEE GENERAL SPLASH PAD DATA)
- 2 FILTRATION SYSTEM COMPONENTS:
- EXISTING FILTRATION SYSTEM: SEE PROVIDED ORIGINAL POOL DRAWINGS FOR FILTRATION SYSTEM COMPONENTS AND SPECIFICATIONS.
- 3. FEATURE SYSTEM COMPONENTS:
- 3a) EXISTING FEATURE SUPPLY SYSTEM: SEE PROVIDED ORIGINAL POOL DRAWINGS (SHEET PL4.0) FOR FFATURE SYSTEM COMPONENTS AND SPECIFICATIONS.
- 4. LIFT STATION COMPONENTS:
- 4a) (1) UNDERGROUND MANHOLE PRECAST CONCRETE MANHOLE LOCKABLE HATCH AND LADDER (1,025 GAL CAPACITY) SEE SHEET 13/14.
- ***MAN HOLE TO BE PREPLUMBED AND OUTFITTED*** 4b) (1) SUBMERSIBLE PUMP - HYDROMATIC SUBMERSIBLE PUMP, 5HP/230V,29.5 AMPS, W/ J-BOX FOR
- ELECTRICAL CONDUIT, MODEL # S4S 4c) (1) PUMP FLOAT CONTROL SYSTEM - TWO CUSTOM SUBMERSIBLE J-BOXES WITH FLOAT SWITCHES.
- 4d) (1) LIFT STATION CONTROL PANEL CUSTOM CONTROL PANEL WITH MOTOR STARTER AND OVERLOAD FOR SUBMERSIBLE PUMP AND INPUTS FOR PUMP FLOAT CONTROL SYSTEM. PANEL TO BE LOCATED IN EXISTING POOL MECHANICAL ROOM.
- 5. MISC. COMPONENTS:
- 5d) (3) DRAINAGE BOX Ø12" PLASTIC SUMP W/ A PLASTIC GRATE TOP, AND REMOVABLE DEBRIS STRAINER BASKET, EACH DRAINAGE BOX HAS A NOMINAL CAPACITY OF 130 GPM. EACH.

GENERAL SPLASH PAD NOTES:

- INSTALLER SHALL FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS, ANY CHANGES OR REVISIONS TO THE DRAWINGS AFTER THE DRAWINGS HAVE BEEN APPROVED IS THE RESPONSIBILITY OF THE INSTALLING PARTY.
 IT IS THE INSTALLERS RESPONSIBILITY TO LOCATE ALL
- UTILITIES AND ALL OTHER FACILITIES ABOVE AND BELOW GRADE PRIOR TO PERFORMING ANY WORK
- DURING THE COURSE OF CONSTRUCTION, THE INSTALLER SHALL MAINTAIN AN ACCURATE RECORD OF ALL ELEVATIONS AND CHANGES OF THE APPROVED WORK AND DOCUMENT THE ACTUAL INSTALLATION ON A SET OF REPRODUCIBLE DRAWINGS
- IT IS RECOMMENDED THAT A LIGHTENING DETECTION DEVICE INSTALLED INTO THE SPLASH PAD SYSTEM
- IT IS RECOMMENDED THAT A VALIDATED UV SYSTEM BE INSTALLED INTO THE SPLASH PAD SYSTEM.
- THE BACKFLOW PREVENTER ON THE WATER MAKE-UP LINE SHALL INCLUDE A PRESSURE REDUCING VALVE AND PRESSURE GAUGE. THE INSTALLER MUST SET THE INCOMING COLD WATER LINE PRESSURE BELOW 30 PSI BEFORE INITIAL SPLASH PAD START-UP.
- ALL COMPONENTS OF THE FILTRATION AND RECIRCULATION SYSTEM MUST BE NSF APPROVED.
- ELEVATIONS AND CENTER LINES ARE FOR REFERENCE PURPOSES ONLY. IT IS THE INSTALLERS RESPONSIBILITY TO DETERMINE AND VERIFY ACTUAL CENTER LINES, LOCATIONS, AND ELEVATIONS
- ALL MECHANICAL INSTALLATION WORK SHALL BE COMPLETED IN A WORKMAN LIKE MANNER ACCORDING TO STANDARD INDUSTRY PRACTICE AND WARRANTED.
- 10. FOUIPMENT SUPPLIER SHALL WARRANTY ALL PRODUCTS AGAINST DEFECTS IN WORKMANSHIP FOR A PERIOD OF TWELVE (12) MONTHS FROM DATE OF INSTALLATION
- 11. IF PRODUCT AND ASSOCIATED MECHANICAL SYSTEM (SUPPLY LINE, DRAIN LINE, HEADER, PUMP, FILTER, ETC.) REQUIRES WINTERIZATION, IT IS TO BE PERFORMED BY EITHER A QUALIFIED CONTRACTOR OR QUALIFIED MAINTENANCE PERSONNEL TRAINED IN PROPER WINTERIZATION PROCEDURES
- 12. THERE MUST BE NO DIRECT PHYSICAL CONNECTION BETWEEN THE SEWER SYSTEM AND <u>ANY</u> DRAIN FROM THE SPLASH PAD OR RECIRCULATION SYSTEM.
- 13. SIGNAGE MUST BE PROVIDED IN ACCORDANCE WITH LOCAL AND STATE USER SANITATION AND SAFETY CODES
- 14. THE OWNER IS RESPONSIBLE FOR DESIGNATING A PERSON TO OPERATE AND MAINTAIN THE SPLASH PAD AND ALL RELATED FACILITIES AND FOUIPMENT IN ACCORDANCE WITH LOCAL AND STATE OPERATION AND MAINTENANCE CODES.
- 15. A RECORD OF THE SPLASH PAD'S OPERATION AND ROUTINE MAINTENANCE MUST BE KEPT BY THE DESIGNATED. OPERATOR IN ACCORDANCE WITH LOCAL AND STATE CODES.
- TOILETS, SHOWERS, DRINKING FOUNTAINS, AND DRESSING ROOMS MUST BE CONVENIENTLY AVAILABLE TO POOL PATRONS IN ACCORDANCE WITH LOCAL AND STATE CODES.

PLUMBING NOTES:

- PIPING IS DRAWN FOR CLARITY AND DOES NOT NECESSARILY INDICATE EXACT ROUTING. CONTRACTOR SHALL INSTALL PIPING WITH AS FEW CHANGES IN DIRECTION AND ELEVATION AS JOB SITE CONDITIONS WILL ALLOW.
- ALL PIPE AND FITTINGS MUST BE SCH 80 PVC. INSTALLER RESPONSIBLE FOR ALL PIPE, PIPE FITTINGS, FLANGES. GASKETS, ELBOWS, AND HARDWARE TO CONNECT ALL FOLIPMENT TO OPERATE PROPERLY
- MINIMIZE THE USE OF 90 LBOWS ON PUMP SUCTION LINES. MAINTAIN 10 TIMES PIPE DIAMETER OF STRAIGHT PIPE ON PUMP SUCTION LINE BEFORE PUMP
- ALL NON-DRAIN PIPING MUST BE PRESSURE TESTED PRIOR TO BACKFILLING. WATER TESTING LINES AT 30 PSI FOR (1) HOUR WITH NO PRESSURE DROP IS THE PREFERRED METHOD OF TESTING. ISOLATE ALL PIPING APPURTENANCES FROM THE PRESSURE OF THIS TEST, AS THEY ARE NOT DESIGNED FOR HIGH PRESSURE OPERATION AND DAMAGE MAY OCCUR. ALL TEST FAILURES SHALL BE CORRECTED.
- **<u>WARNING:</u> NOT INTENDED FOR USE WITH COMPRESSED AIR OR GAS. THIS PRODUCT IS ONLY TO BE USED FOR ITS
- ALL DISCHARGE, SUCTION, AND DRAIN LINES MUST HAVE A MEANS FOR DRAINAGE SUPPLIED BY THE GENERAL CONTRACTOR FOR WINTERIZATION.
- SUCTION LINE VELOCITY NOT TO EXCEED 6 FT/SEC.
- SUPPLY LINE VELOCITY NOT TO EXCEED 8 FT/SEC. GRAVITY DRAIN LINE VELOCITY NOT TO EXCEED 3.0 FT/SEC
- DRAINAGE GRATING VELOCITY NOT TO EXCEED 1.5 FT/SEC. PROVIDE ALL PIPE AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURE RECOMMENDATIONS AND APPLICABLE CODES
- AND REGULATIONS. 11. SUPPORT ALL PIPE LINES INDIVIDUALLY, EACH BRANCH HAVING AT LEAST ONE HANGER. IF NOT SPECIFICALLY NOTED, PROVIDE VERTICAL AND LATERAL SUPPORT FOR ALL PIPING AND FOLIPMENT
- 12. PIPE SHALL BE INDEPENDENTLY SUPPORTED OF ALL PUMPS AND FOUIPMENT.
- 13. PROTECT PLASTIC PIPE IN STEEL SUPPORT BRACKETS. 14. SIZE HANGERS PROPERLY TO FIT AROUND PIPES AND SIZE HANGER RODS, SCREWS, BOLTS, NUTS, ETC. ACCORDING TO MANUFACTURES SIZING CHARTS.
- 15. SPACE HANGERS FOR HORIZONTAL PIPES AT MAXIMUM 4FT FOR 1" PIPE AND UNDER, 5FT FOR 2" UNDER, 7FT FOR 4" UNDER, 9FT FOR 6" UNDER, 10FT FOR 8" UNDER, 11FT FOR 10" UNDER AND 12FT FOR 12" OR LARGER
- 16. DO NOT USE WIRE OR OTHER MAKESHIFT DEVICES FOR

CONCRETE NOTES:

CAST IN PLACE CONCRETE NOTE:

- DESIGN CODE: ACI 318 LATEST EDITION.
- VERIFY LOCAL/STATE CODES FOR TYPE, THICKNESS, & REINFORCEMENT REQUIREMENTS FOR CONCRETE SLAB. MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS:
- TYPF STRENGTH LOCATION Fc' = 3.000PSFOOTINGS Fc' = 4.000PSIPOOL SLABS, WALL, AND EXTERIOR CONCRETE EXPOSED TO FREEZING TEMPS W/5% TO 7% AIR ENTRAINMENT.
- REINFORCING STEEL:
- 4a) DEFORMED BARS-ASTM A615 GRADE 60KSI. PLACE ALL ITEMS PER APPROVED SHOP DWGS. AND
- APPROVED CONCRETE MIX DESIGNS. PROVIDE CONCRETE COVER PER ACI 318
- ALL CONCRETE SURFACES TO HAVE A MEDIUM BROOM

GENERAL FOUNDATION AND CAST IN PLACE CONCRETE <u>NOTES</u>

- DESIGN CODES ACI 318 AND "ACI DETAILING MANUAL". LATEST EDITION
- ALL FOOTINGS ARE CENTERED UNDER WALLS ABOVE, U.N.O.
- ALL FOOTING ELEVATIONS SHOWN ARE TO TOP OF FOOTING. PROVIDE ALL ACCESSORIES AND SUPPORTS
- NECESSARY TO SECURE REINFORCING STEEL PER "ACI DETAILING MANUAL" NO OTHER METHODS OR MATERIALS WILL BE ACCEPTABLE
- PROVIDE PLASTIC CHAIRS AND BAR SUPPORTS IN ALL AREAS OF EXPOSED CONCRETE
- PROVIDE CONCRETE PROTECTION FOR ALL REINFORCEMENT AS PER ACI 318, SECTION 7.7 REQUIREMENTS FOR CAST IN PLACE CONCRETE:
- 6a) CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
- 6b) CONCRETE EXPOSED TO EARTH OR WEATHER: #5 BARS AND SMALLER: 1½" #6 BARS AND LARGER: 2"
- 6c) CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: SLABS, WALLS, AND JOISTS (#3 TO #11 BARS): 14" BEAMS, GIRDERS AND COLUMNS, PRIMARY REINFORCEMENT, TIES, STIRRUPS OR SPIRALS: 1½"
- CROSS REFERENCE ARCH. AND STRUCTURAL DWGS. TO ENSURE CORRECT LOCATIONS AND PLACEMENT OF ALL ANCHOR BOLTS, INSERTS, ETC.
- CAST DOWELS IN FTG. FOR CONCRETE WALLS ABOVE. DOWELS TO BE SAME QTY. SIZE AND SPA. AS THE VERT. WALL REINFORCEMENT. DOWELS ARE TO PROJECT FROM FTGS. TO PROVIDE THE LAP SPLICES INDICATED BELOW, U.N.O. PROVIDE 90° STANDARD HOOK IN FREE STANDING WALL FTG. DOWELS. WALL FTG. DOWELS ARE STRAIGHT, U.N.O.
- ALL HORIZONTAL REINFORCING BARS AT OUTSIDE FACE OF WALLS SHALL BE BENT AT WALL CORNERS OR AT INTERSECTING WALLS AND SHALL LAP TO INTERSECTING REINFORCING AS INDICATED BELOW. SEPARATE BENT BAR DOWELS OF THE SAME SIZE AND SPA. AS THE HORIZONTAL WALL REINFORCING AND
- LAPPED AS INDICATED BELOW MAY BE USED INSTEAD. 10. LAP SPLICES AT ALL REINFORCING IN ALL CAST IN PLACE CONCRETE SHALL BE AS FOLLOW, U.N.O. #4 BAR=24" #7 BAR=42" #5 BAR=30" #8 BAR=48"
- #6 BAR=36" #9 BAR=54" UNLESS NOTED OTHERWISE ON DWGS. PROVIDE ADDITIONAL REINFORCING ALL AROUND CONCRETE WALL AND SLAB OPENINGS EQUAL TO THE INTERRUPTED REINFORCING IN EACH DIRECTION AND EACH FACE MIN ONE (1) BAR ALL AROUND FOR EACH LAYER OF REINFORCING). EXTEND BARS BEYOND EDGE OF OPENINGS EQUAL TO LAP LENGTH INDICATED ABOVE. ADD ONE (1) #4x4'-0" DIAG. BAR CENTERED ON EACH CORNER (ONE "(1) PER EACH LAYER OF REINFORCEMENT)
- 12. EXPANSION JOINT TO BE EVERY 20' x 20'.
- 13. SAW CUT JOINT TO BE EVERY 10' x 10'
- 14. ALL CONCRETE SURFACES TO HAVE A MEDIUM BROOM FINISH.

ELECTRICAL NOTES:

- CONTROL PANELS
- 1a) A CLASS "A" GROUND FAULT CIRCUIT INTERRUPTER MUST BE INSTALLED IN ALL BRANCH CIRCUITS SUPPLYING FOUIPMENT IN THE FOUIPMENT ROOM
- 1b) THE NATIONAL ELECTRICAL CODE REQUIRES CLEAR SPACE AROUND INSTALLED ELECTRICAL PANELS FOR SAFETY AND MAINTENANCE. THE INSTALLER SHALL VERIFY THAT EACH PANEL INSTALLATION IS COMPLIANT WITH THE N.E.C. AND LOCAL ELECTRICAL CODES. RONDING
- 2a) ALL METALLIC PIPING AND CONDUIT SYSTEMS ASSOCIATED WITH THE SPLASH PAD MUST BE BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR OF THE BRANCH CIRCUIT SUPPLYING ELECTRICAL POWER TO THE SPLASH PAD.
- 2b) ALL STAINLESS STEEL STRUCTURES REQUIRE BONDING PER NEC AND LOCAL CODES.
- 2c) ALL REQUIRED BONDING TO BE APPROVED BY LOCAL JURISDICTION INSPECTOR PRIOR TO PLACING CONCRETE
- GROUNDING
- 3a) THE FOLLOWING EQUIPMENT MUST BE GROUNDED: -ALL ELECTRICAL EQUIPMENT IN THE SPLASH PAD -ALL ELECTRICAL RECIRCULATING SYSTEM EQUIPMENT. -ALL PANELBOARDS THAT SUPPLY ANY ELECTRICAL EQUIPMENT ASSOCIATED WITH THE SPLASH PAD. CONDUITS
- 4a) THE CONDUIT SYSTEM MUST BE WATERTIGHT FROM THE CONTROL PANEL TO THE WATER FEATURE/POOLS PRESSURE TEST CONDUIT WITH 5 PSI (MIN.) TO 15 PSI (MAX.), VERIFY WITH APPLICABLE CODES, FOR 30 MINUTES WITHOUT ANY PRESSURE DROP. IF REQUIRED
- 4b) ALL CONDUITS EXPOSED TO MOISTURE MUST BE OF A CORROSION RESISTANT MATERIAL SUCH AS RED BRASS.

REPAIR ANY LEAKS AND RE-TEST.

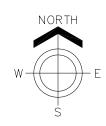
ALL ELECTRICAL WORK SHALL COMPLY WITH THE NFPA 70, NATIONAL ELECTRICAL CODE 2008 EDITION THAT IS INCORPORATED BY REFERENCE.

STORAGE TANK INSTALL INSTRUCTIONS:

- SITE CONDITIONS: THE SITE MUST BE ACCESSIBLE TO ARGE, HEAVY TRUCKS. FREE OF ITEMS LIKE TREES, OVERHEAD WIRES, AND BUILDINGS. THAT COULD INTERFERE WITH DELIVERY OR INSTALLATION AND ALLOWS TRUCKS TO WITHIN 3 TO 8 FEET OF PLACEMENT EXCAVATION.
- EXCAVATION: EXCAVATION SHOULD BE APPROXIMATELY MINIMUM LARGER THAN TANK SIZE TO ALLOW FOR ADEQUATE BACK FILL. THIS MAY VARY WITH SOIL CONDITIONS. EXCAVATION BELOW THE TANK CENTER TO BE 2" LOWER TO PREVENT UNDUE PRESSURE AT CENTER OF TANK.
- BEDDING: PROPER USE OF BEDDING MATERIAL IS IMPORTANT TO FNSURE SERVICE LIFE OF TANK STRUCTURE, BEDDING MUST BE CAPABLE OF BEARING THE WEIGHT OF THE TANK AND CONTENTS. BEDDING MATERIAL SHALL HAVE THE ABILITY OF 100% TO BE ABLE TO PASS THROUGH A 1/2" SCREEN MADE UP OF SAND OR GRAVEL (CLEAN PEA STONE PREFERRED). BEDDING THICKNESS SHALL BE A 4" MINIMUM COMPACTED (THICKNESS MAY VARY WITH EXISTING SOIL CONDITIONS). THE CENTER BEDDING UNDER THE TANK SHOULD BE 1" LOWER THEN THE PERIMETER BEDDING.
- WATER TABLE: TANKS BEING PLACED WHERE WATER LEVELS CAN POTENTIALLY BE HIGHER THAN THE FLEVATION OF THE TANK COVER, MUST BE BROUGHT TO THE ATTENTION OF AQUATIC RECREATION COMPANY LLC. ADDITIONAL INSTALLATION INSTRUCTIONS SUCH AS BALLAST AND COATING MAY BE REQUIRED.
- BACKFILL: SIDEWALLS REQUIRE BACKFILL WHICH 100% SHALL PASS A 2" SCREEN MATERIAL MADE UP OF DRY SOIL, SAND, OR GRAVEL. MINIMUM 12" ALL SIDES OF THE TANK-FROM BASE TO TOP. NO PARALLEL BACKFILLING OR COMPACTION ALONG THE LENGTH OF SIDEWALLS IS PERMITTED. NO WHEEL OR TACK LOADING SIDEWALLS. MATERIAL ON TOP OF TANK TO PASS 4" SCREEN & DRY.
- COVER MATERIAL: COVER MATERIAL SHALL BE DRY SOIL, SAND, OR GRAVEL MATERIAL THAT HAS THE ABILITY OF 100% TO BE ABLE TO PASS THROUGH A 4" SCREEN COVER MATERIALS SHALL BE MOUNDED OVER TANK AND AROUND RISERS TO DIRECT RUN-OFF AWAY FROM STORAGE TANK
- WATER EVACUATE: FILTRATION PUMP MAY BE USED TO EVACUATE WATER FROM STORAGE TANK TO APPROVED WASTE CONNECTION IN EVENT OF WATER CONTAMINATION. TANK SHALL BE THOROUGHLY CLEANED AND SANITIZED PRIOR TO RE-FILLING. CONFIRM INSPECTION WITH YOUR LOCAL HEALTH DEPARTMENT RE-FILLING STORAGE TANK RE-STARTING THE SYSTEM.
- TANK STANDARD: TANK TO BE MANUFACTURED TO ASTM C-913 AND C-1227 STANDARDS. ALL SEAMS AND PIPE PENTRATIONS TO BE WATER TIGHT.



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LIFT STATION CONTROL PANEL

EXISTING FEATURE

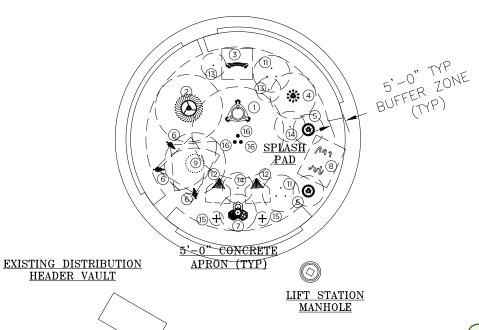
PUMP

SEE SHEETS 7/13, 8/13, AND 8-1/13 FOR EXISTING FILTRATION SYSTEM

EXISTING MECHANICAL

ROOM

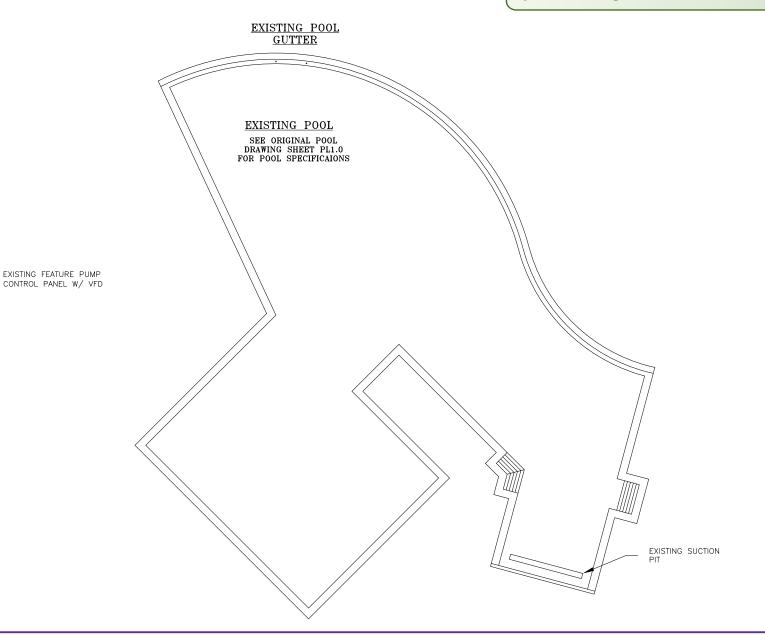
1 SITE PLAN LAYOUT
2 1/32" = 1'-0"



SITE LAYOUT ASSUMES NO STRONG PREVAILING WINDS FROM ANY SPECIFIC DIRECTION. PLEASE ADVISE ARC AS SOON AS POSSIBLE IF WIND CONDITIONS MAY EFFECT PRODUCT SPRAY ZONES.

APPROVED

By Victor Nduaguba, PE at 7:35 am, Dec 16, 2022



PRODUCT	QTY	GPM	LINE SIZE
FLASHFLOOD	1	20	1 ½"
HYDROHELIX	1	30	1 ½"
WATERWAY	1	10	1"
SPRAYSTACKER	1	20	1 ½"
SPRAYSHROUD	2	20 EA	1 ½" EA
JETSTREAM	3	5 EA	1" EA
AQUAGATHER STATION	1	10	1"
WHIRLFLEX	1	30	1 ½"
UPWARD SPRAY RING	1	110	4"
TRIPLE ARCH JET	3	5 EA	1" E/\
STREAM JET TRIANGLE	2	15 EA	1½" EA
CROWN JET	2	5 EA	1" EA
JR WATER JEWEL	2	7 EA	1" EA
MINI PILLAR	2	10 EA	1" EA
SEA CRAWLER	2	5 EA	1" EA
DRAIN BOX W/ STRAINER	3	175 EA	6" EA
	FLASHFLOOD HYDROHELIX WATERWAY SPRAYSTACKER SPRAYSHROUD JETSTREAM AQUAGATHER STATION WHIRLFLEX UPWARD SPRAY RING TRIPLE ARCH JET STREAM JET TRIANGLE CROWN JET JR WATER JEWEL MINI PILLAR SEA CRAWLER	FLASHFLOOD 1 HYDROHELIX 1 WATERWAY 1 SPRAYSTACKER 1 SPRAYSHROUD 2 JETSTREAM 3 AQUAGATHER STATION 1 WHIRLFLEX 1 UPWARD SPRAY RING 1 TRIPLE ARCH JET 3 STREAM JET TRIANGLE 2 CROWN JET 2 JR WATER JEWEL 2 MINI PILLAR 2 SEA CRAWLER 2	FLASHFLOOD 1 20 HYDROHELIX 1 30 WATERWAY 1 10 SPRAYSTACKER 1 20 SPRAYSHROUD 2 20 EA JETSTREAM 3 5 EA AQUAGATHER STATION 1 10 WHIRLFLEX 1 30 UPWARD SPRAY RING 1 110 TRIPLE ARCH JET 3 5 EA STREAM JET TRIANGLE 2 15 EA CROWN JET 2 5 EA JR WATER JEWEL 2 7 EA MINI PILLAR 2 10 EA SEA CRAWLER 2 5 EA

- ALL CONCRETE SLOPES TO BE 1/8"/FT MIN. AND 1/4"/FT MAX.
- SITE ELEVATIONS OF SPLASH PAD AND CONCRETE APRON TO BE VERIFIED BY OTHERS. ARC ELEVATION REFERENCE IS 0'-0" FOR TOP OF DRAINAGE BOX. ALL OTHER NOTED ELEVATIONS ARE REFERENCED FROM THAT POINT
- SURFACE MOUNTED STRUCTURES MAY REQUIRE A FLAT/LEVEL SURFACE FOR PROPER INSTALLATION. SEE INDIVIDUAL STRUCTURE MOUNTING INSTALLATION INSTRUCTIONS.
- ACTUAL SIZE, SHAPE, AND LOCATION OF SPLASH PAD TO BE FIELD DETERMINED BY OTHERS. ALL DIMENSIONS OF SIZE AND SHAPE OF SPLASH PAD FOR REFERENCE ONLY.
 - INDICATES SAW CUT JOINT
- INDICATES EXPANSION JOINT
 THE INTENT OF A SPLASH PAD IS TO BE A DRY
 DECK WITH NO STANDING WATER. THE WATER IS TO BE CONTAINED WITHIN THE PERIMETER OF THE SPLASH PAD AND ALL WATER IS TO DRAIN INTO THE DRAINAGE BOX. THE CONCRETE IS TO BE FORMED AND SLOPED TO ACCOMMODATE THIS DRAIN PATTERN.
- UNDER NO CIRCUMSTANCES SHALL THE SURROUNDING HARDSCAPE AREA BE SLOPED TO ALLOW WATER TO BE DRAINED INTO THE SPLASH PAD DECK.
- ALL CONCRETE SURFACES TO HAVE A MEDIUM BROOM FINISH.
- 10. EXPANSION JOINT TO BE EVERY 20'x20'.
- 11. SAW CUT JOINT TO BE EVERY 10'x10'.
- 11. SAW CUT JOINT TO BE EVERY TO XTO.

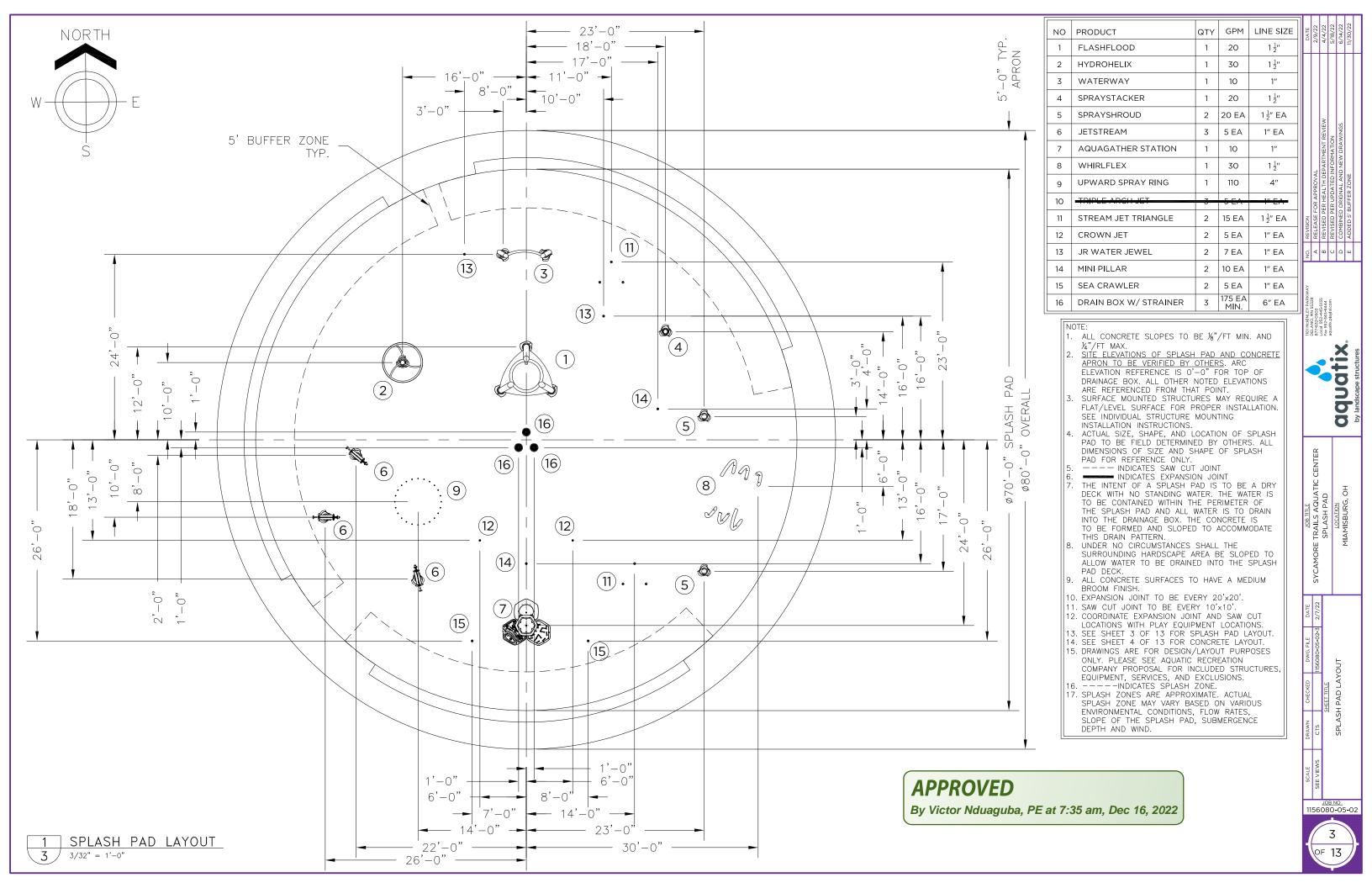
 12. COORDINATE EXPANSION JOINT AND SAW CUT LOCATIONS WITH PLAY EQUIPMENT LOCATIONS.

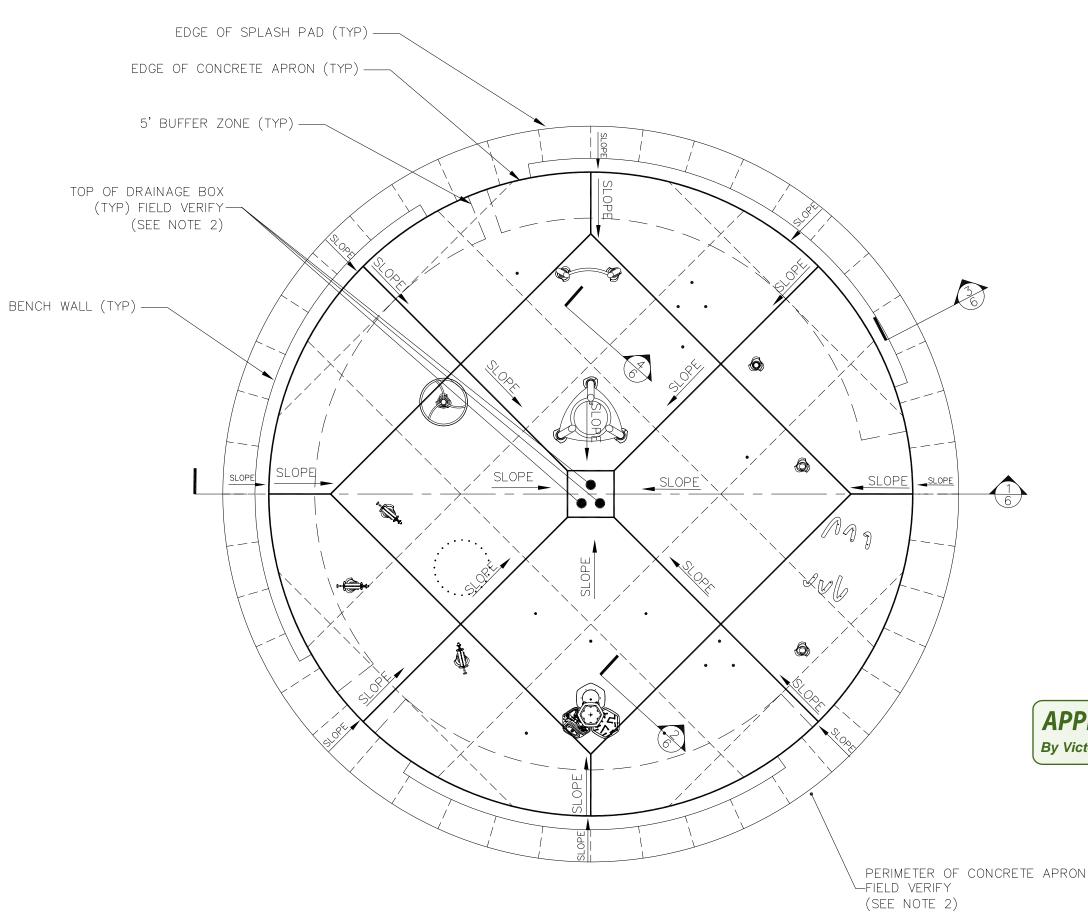
 13. SEE SHEET 3 OF 13 FOR SPLASH PAD LAYOUT.

 14. SEE SHEET 4 OF 13 FOR CONCRETE LAYOUT.
- 15. DRAWINGS ARE FOR DESIGN/LAYOUT PURPOSES ONLY. PLEASE SEE AQUATIC RECREATION COMPANY PROPOSAL FOR INCLUDED STRUCTURES, EQUIPMENT, SERVICES, AND EXCLUSIONS.
- ----INDICATES SPLASH ZONE.
- 7. SPLASH ZONES ARE APPROXIMATE. ACTUAL SPLASH ZONE MAY VARY BASED ON VARIOUS ENVIRONMENTAL CONDITIONS, FLOW RATES, SLOPE OF THE SPLASH PAD, SUBMERGENCE DEPTH AND WIND.









NOTE:

ALL CONCRETE SLOPES TO BE 1/8"/FT MIN. AND 1/4"/FT MAX.

SITE ELEVATIONS OF SPLASH PAD AND CONCRETE APRON TO BE VERIFIED BY OTHERS. ARC ELEVATION REFERENCE IS 0'-0" FOR TOP OF COLLECTOR BOX. ALL OTHER NOTED ELEVATIONS ARE REFERENCED FROM THAT POINT.

SURFACE MOUNTED STRUCTURES MAY REQUIRE A FLAT/LEVEL SURFACE FOR PROPER INSTALLATION. SEE INDIVIDUAL STRUCTURE MOUNTING INSTALLATION

INSTRUCTIONS. REFER TO SPEC SHEET AND INSTALLATION DRAWING

FOR EACH PRODUCT.

5. ACTUAL SIZE, SHAPE, AND LOCATION OF SPLASH PAD TO BE FIELD DETERMINED BY OTHERS. ALL DIMENSIONS OF SIZE AND SHAPE OF SPLASH PAD FOR REFERENCE

— — INDICATES SAW CUT JOINT
INDICATES EXPANSION JOINT

THE INTENT OF A SPLASH PAD IS TO BE A DRY DECK WITH NO STANDING WATER. THE WATER IS TO BE CONTAINED WITHIN THE PERIMETER OF THE SPLASH PAD AND ALL WATER IS TO DRAIN INTO THE COLLECTOR BOX(S). THE CONCRETE IS TO BE FORMED

AND SLOPED TO ACCOMMODATE THIS DRAIN PATTERN.
ALL TREATED SPLASH PAD WATER IS INTENDED TO
REMAIN WITHIN DESIGNATED SPLASH PAD DECK. UNDER
NO CIRCUMSTANCES SHOULD SLOPE OF SPLASH PAD ALLOW WATER TO DRAIN OFF PAD

10. UNDER NO CIRCUMSTANCES SHALL THE SURROUNDING HARDSCAPE AREA BE SLOPED TO ALLOW WATER TO BE DRAINED INTO THE SPLASH PAD DECK

11. ALL CONCRETE SURFACES TO HAVE A MEDIUM BROOM

12. EXPANSION JOINT TO BE EVERY 20'x20'.

13. SAW CUT JOINT TO BE EVERY 10'x10'.

14. COORDINATE EXPANSION JOINT AND SAW CUT LOCATIONS WITH PLAY EQUIPMENT LOCATIONS.

SEE PAGE 6 OF 13 FOR SECTION DETAILS

IMPORTANT: SEE NOTE #8 CONCERNING SPLASH PAD SLOPE

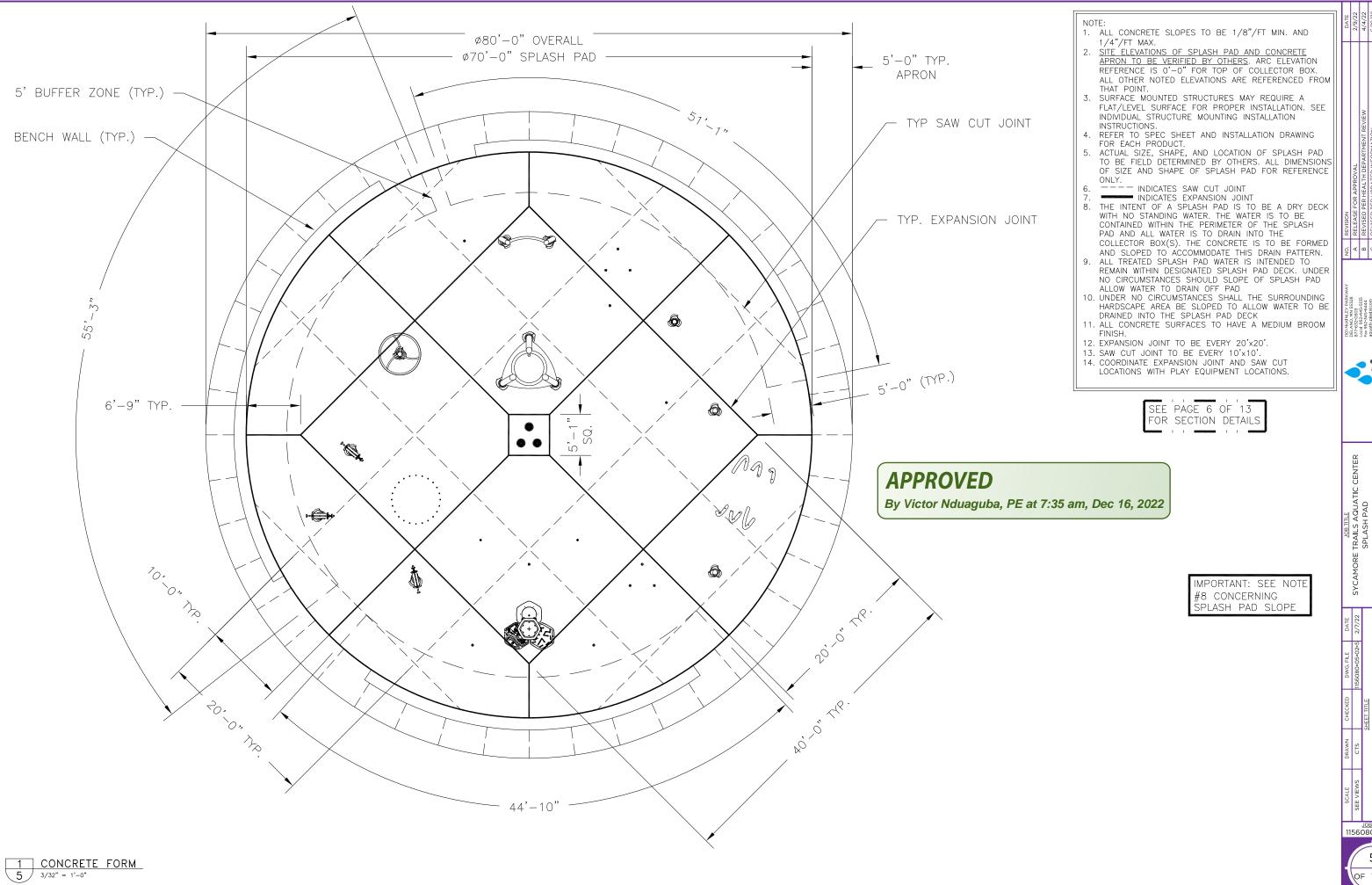
APPROVED

By Victor Nduaguba, PE at 7:35 am, Dec 16, 2022

aquatix, by landscane

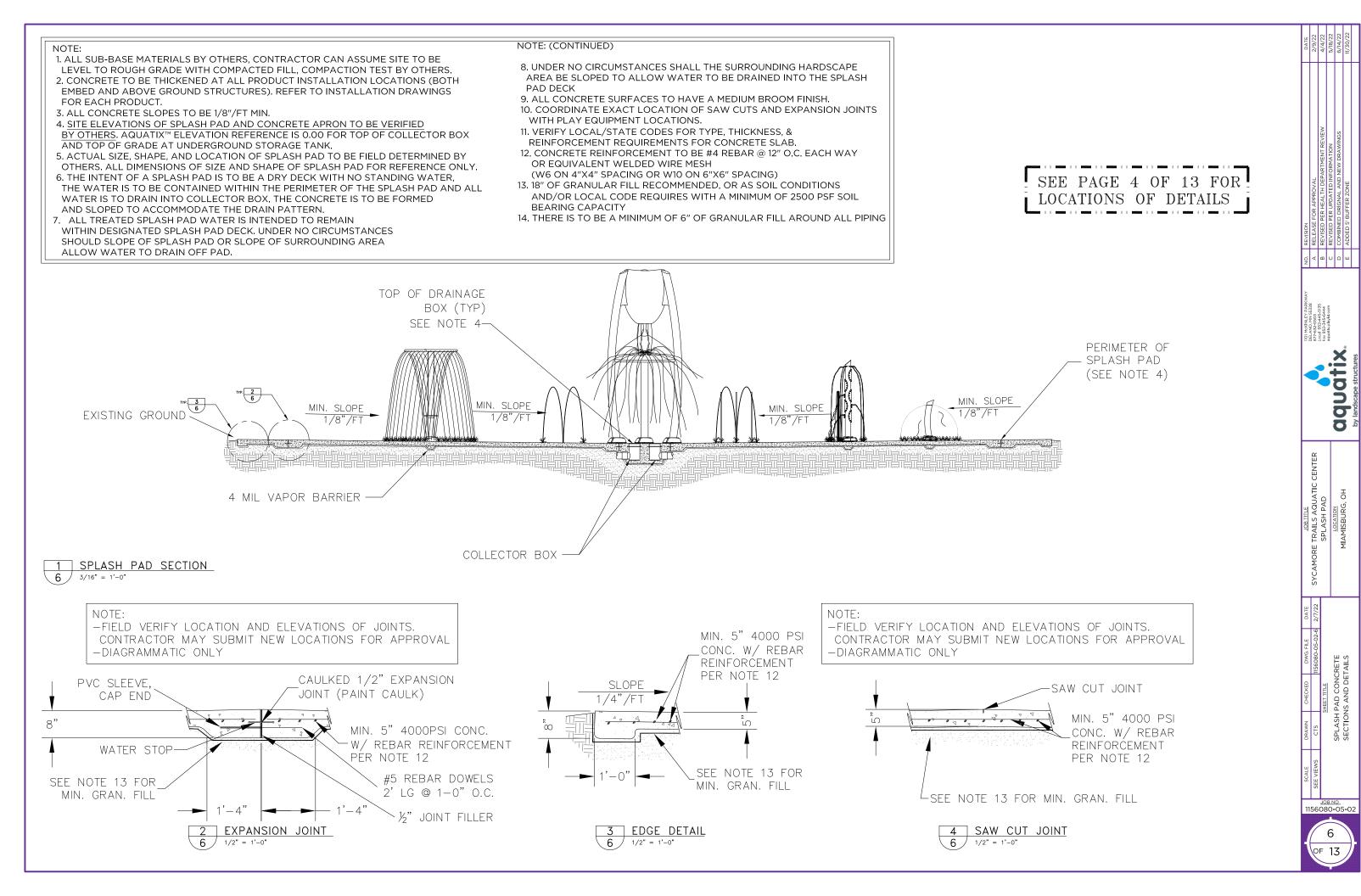
SYCAMORE TRAILS AQUATIC
SPLASH PAD



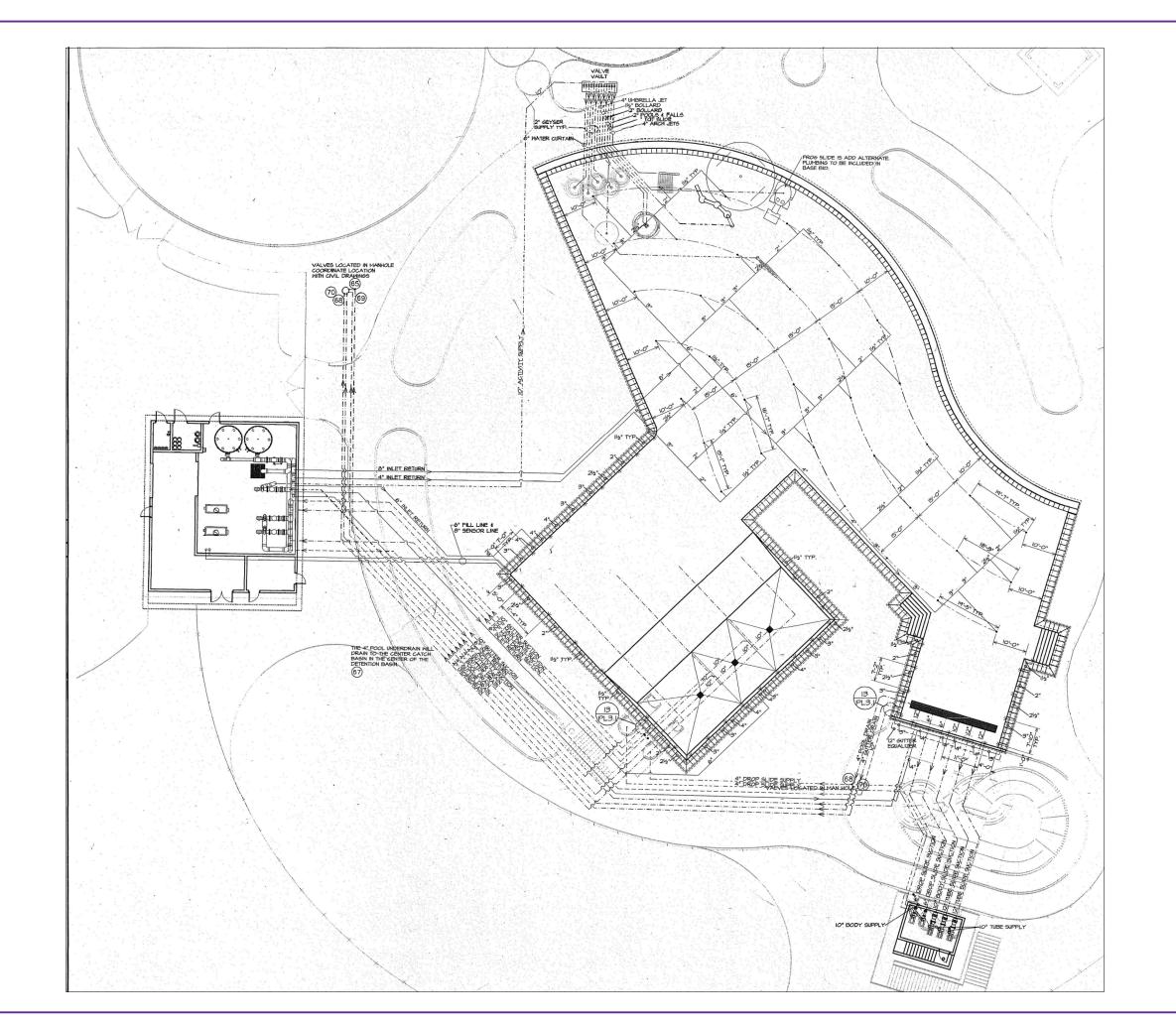


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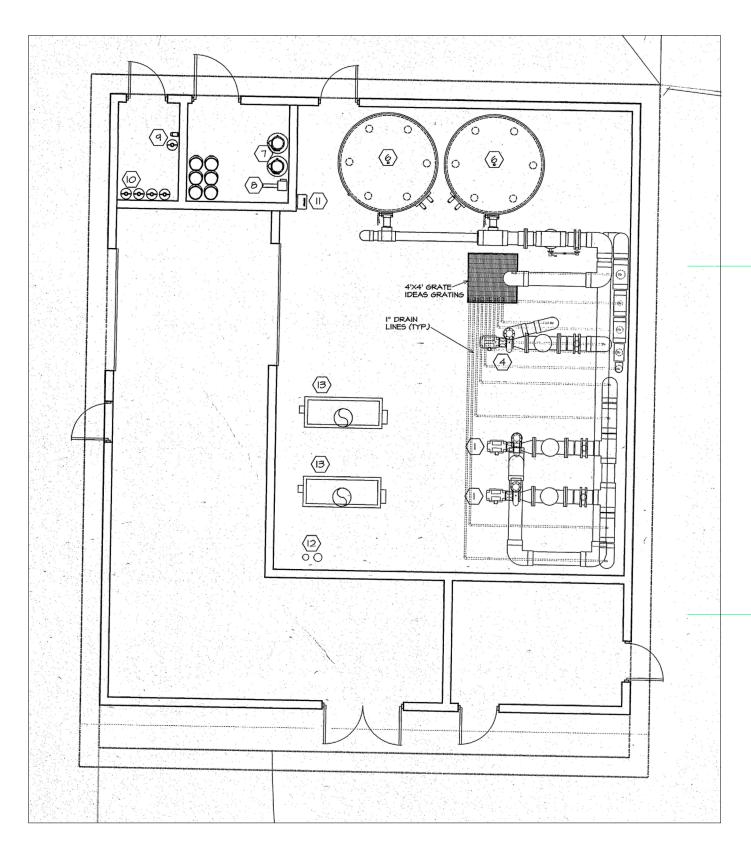


VOLUME (INCLUDING SURGE)
ACTIVITY AREA (0"-36"):
ACTIVITY AREA (36"-60"):
ACTIVITY AREA (60"-72"): 94,311 GALLONS 62,998 GALLONS 91,680 GALLONS PLUNGE AREA: 24,327 GALLONS DIVING AREA: 139,283 GALLONS 412,599 GALLONS TURNOVER RATE

ACTIVITY AREA (0"-36"):

ACTIVITY AREA (36"-60"): 120 MIN 240 MIN ACTIVITY AREA (60" – 72"): PLUNGE AREA: 240 MIN 60 MIN DIVING AREA: 300 MIN FILTRATION RATE ACTIVITY AREA (0"-36"): ACTIVITY AREA (36"-60"): ACTIVITY AREA (60"-72"): 786 GPM 262 GPM 382 GPM 406 GPM PLUNGE AREA: DIVING AREA: 465 GPM 2,301 GPM

TOTAL POOL VOLUME: 412,599 GAL. TOTAL TURN OVER RATE: 2,301 GPM. TOTAL TURN OVER DURATION: 2.9 HRS.



VEV FOURNIEST	
KEY <u>EQUIPMENT</u> <u>ONT</u>	85、 66、 4、 2006.00 , 看着自然的心态, 6、 4、 5000 \$100 , 15. 60 。 17. 60 。 17. 60 。 17. 60 。 17. 60 。
T FILTRATION 2	AURORA, END SUCTION, CLOSE COUPLED, BRONZE FITTED, EPOXY COATED VOLUTE, 341, 6X6X11, 40 Hp, 230/460 VOLT, 3 PHASE, 1750 RPM, 1381 GPM @ 70' TDH (MINIMUM 75% EFFICIENCY AT 70% 70' DESIGN FLOW), PROVIDE W/MER-MADE FILTER CO., 12" TO 5 ECCENTRIC REDUCING BASKET STRAINER, FIBERGLASS BODY, ACRYLIC LID, STAINLESS STEFL STRAINER BASKET **
	6X6X11, 40 HP, 230/460 VOLT, 3 PHASE,
	75% EFFICIENCY AT 70% OF DESIGN FLOW)
선계 관계 보고 있다.	PROVIDE W/MER-MADE FILTER CO., 12" TO 6
	FIBERGLASS BODY, ACRYLIC LID, STAINLESS
	STEEL STRAINER BASKET & 1 EXTRA S.S. BASKET.
2 BODY SLIDE 1	こうきょうかん こうさいめい ジェント はかし かいかかん たんしょう こうしょ
PUMP:	BRONZE FITTED, EPOXY COATED VOLUTE, 341,
	AURORA, END SUCTION, CLOSE COUPLED, BRONZE FITTED, EPOXY COATED VOLUTE, 341, 5X6X11, 10 HP, 230/460 VOLT, 3 PHASE, 1750 RPM, 1000 GPM @ 45' TDH.
3 TUBE SLIDE 2	AUPORA FND SUCTION CLOSE COURLED
PUMP:	BRONZE FITTED, EPOXY COATED VOLUTE, 341,
	AURORA, END SUCTION, CLOSE COUPLED, BRONZE FITTED, EPOXY COATED VOLUTE, 341, 6X6X11, 20. HP, 230/460 VOLT, 3 PHASE, 1750 RPM, 1500 GPM @ 45' TDH.
4) ACTIVITY PUMP: 1	AURORA: END. SUCTION CLOSE COUPLED
	BRONZE FITTED, EPOXY COATED VOLUTE, 341,
	1750 RPM, 1450 GPM @ 35' TDH. PROVIDE
	W/MER-MADE FILTER CO., 10" FIBERGLASS
	AURORA, END. SUCTION, CLOSE COUPLED, BRONZE FITTED, EPOXY COATED VOLUTE, 341, 6x6x11, 20 HP, 230/460 VOLT, 3 PHASE, 1750 RPM, 1450 GPM @ 35' TDH. PROVIDE W/MER-MADE FILTER CO., 10' FIBERGLASS BODY, ACRYLIC LID, STAINLESS STEEL STRAINER BASKET & 1 EXTRA S.S. BASKET.
5 DROP SLIDE 2	AURORA, END SUCTION, CLOSE COUPLED,
PUMP (FUTURE):	BRONZE FITTED, EPOXY COATED VOLUTE, 341, 3X4X9A, 3 HP. 230/460 VOLTE 3 PHASE
그렇게 되는 사람이	AURORA, END SUCTION, CLOSE COUPLED, BRONZE FITTED, EPOXY COATED VOLUTE, 341, 3X4X9A, 3 HP, 230/480 VOLT, 3 PHASE, 1750 RPM, 300 GPM @ 35' TDH.
6 FILTER: 1	NEPTUNE/BENSON, #96DDC-12, 96" DUAL CELL TANK, 201.0 SQUARE FEET OF FILTER AREA PROVIDED, 153.4 SQUARE FEET OF FILTER AREA REQUIRED BY CODE, 11.4 GPM/ S.F. OF FILTER AREA, SINGLE LEVER LINKAGE, MANUALLY BACKWASH ONE CELL AT A TIME.
	AREA PROVIDED, 153.4 SQUARE FEET OF
	FILTER AREA REQUIRED BY CODE, 11.4 GPM/
	MANUALLY BACKWASH ONE CELL AT A TIME.
7 CHLORINATOR: 2	OLIN POOL II, PCP-3000, 2.8 - 22 LBS PER DAY NORMAL OUTPUT, 26.0 -48.0 LBS PER
그렇게 하는 기술에	DAY NORMAL OUTPUT, 26.0 -48.0 LBS PER DAY HIGH CAPACITY.
8 BOOSTER PUMP: 1	
	GOULDS, #NPE/1ST, 3/4 HP, 115/230 VOLT, CLOSE COUPLED, STAINLESS STEEL CONSTRUCTION, 20 GPH @ 50 PSI.
VENTURI: 1	MAZZEI, MODEL #878, 1" NPT, POLYPROPYLENE.
SOLENOID VALVE: 1	ニー・・・・・ かいしょかいき いがい はい ひばい しいし かもり はいらか しょんしょきせん
無利 회장 하는 그 그들은 그	TRIM, NORMALLY CLOSED, 115 VOLT.
9 ACID PUMP 1 (MURIATIC	LMI, LMI-B131-72S, .02 TO 4.5 GALLONS PER HOUR CAPACITY, COMPLETE WITH POLY- URETHANE COATED CAST METAL BRACKET ASM
ACID)	URETHANE COATED CAST METAL BRACKET ASM
	WITH MOUNTING HARDWARE.
10) STORAGE TANK	CARBOYS, FURNISHED BY OWNER'S CHEMICAL SUPPLIER.
11) CHEMICAL 1	
CONTROLLER:	STRANTROL, SYSTEM FOUR, CONTINUOUS MONITORING AND CONTROL, 0.0 TO 14.0 PH RANGE, 0.0 TO 20.0 CHLORINE RANGE, 1 — 1000 MV ORP RANGE, WITH WSRAK SAMPLE STEERAM ASSESSED.
MANUAL PROPERTY	MANGE, U.O TO ZO.O CHLORINE RANGE, 1 1000 My ORP RANGE, WITH WSRAK SAMPLE
	STREAM ASSEMBLE.
12) AUTO FILL: 1	CLA VALVE, 124-01A, 1 1/2" WITH CF1
	CLA VALVE, 124-01A, 1 1/2" WITH CF1 FLOAT CONTROLLER, PROVIDE FLOAT ROD LENGTH AS REQUIRED.
FLOWMETERS: 1	
	STAINLESS STEEL ANNUBAR, SADDLE MOUNTED
The state of the state of the	. KETUKN (0-36): 0-1000 GPM SCALE
	RETURN (36-60°): 0-400 GPM SCALE RETURN (60-72°): 0-500 GPM SCALE
	RETURN (PLUNGE): 0-600 GPM SCALE RETURN (DIVING): 0-800 GPM SCALE
13 HEATER: 2	
	TELEDYNE LAARS, MIGHTY THERM MODEL #14301, 1,430,000 B.T.U. INPUT, 1,1/4" GAS CONNECTION, 2 1/2" WATER CONNECTION, 16" FLUE, PROVIDE WITH A.S.M.E. LABEL, RELIEF VALVE, FLOW SWITCH, SAFETY DEVICE PACKAGE
医医皮肤 人名阿里尔	FLUE, PROVIDE WITH A.S.M.E. LABEL, RELIFF
	VALVE, FLOW SWITCH, SAFETY DEVICE PACKAGE PER OHIO CODE.
THERMOMETERS: 3	· · · · · · · · · · · · · · · · · · ·
	TRERICE, A40 SERIES, 9° SCALE.
14) pH SYSTEM: 1	STRANTROL, CO2-5 SINGLE TANK PRESSURE REGULATOR WITH CO2-7 FEED UNIT AND ONE HEATING UNIT. CO2 CYLINDER FURNISHED BY OWNER, CONTRACTOR TO PROVIDE TANK PESTEAUTE DEED CODE
	HEATING UNIT. CO2 CYLINDER FURNISHED BY
Control of the	RESTRAINTS PER CODE.
<u> 1975年</u> 日本会社	a <u>llulur kallulu</u> r (brail 1964)
NOTE:	CURRENT CHARACTERISTICS MAY VARY, THE 13150 CONTRACTOR SHALL VERIFY AVAILABLE
and the second of the second o	13150 CONTRACTOR SHALL VERIEV AVAILABLE

1 EXISTING FILTRATION SYSTEM DATA 8 NTS



SHEET TITLE
EXISTING FILTRATION SYSTEM

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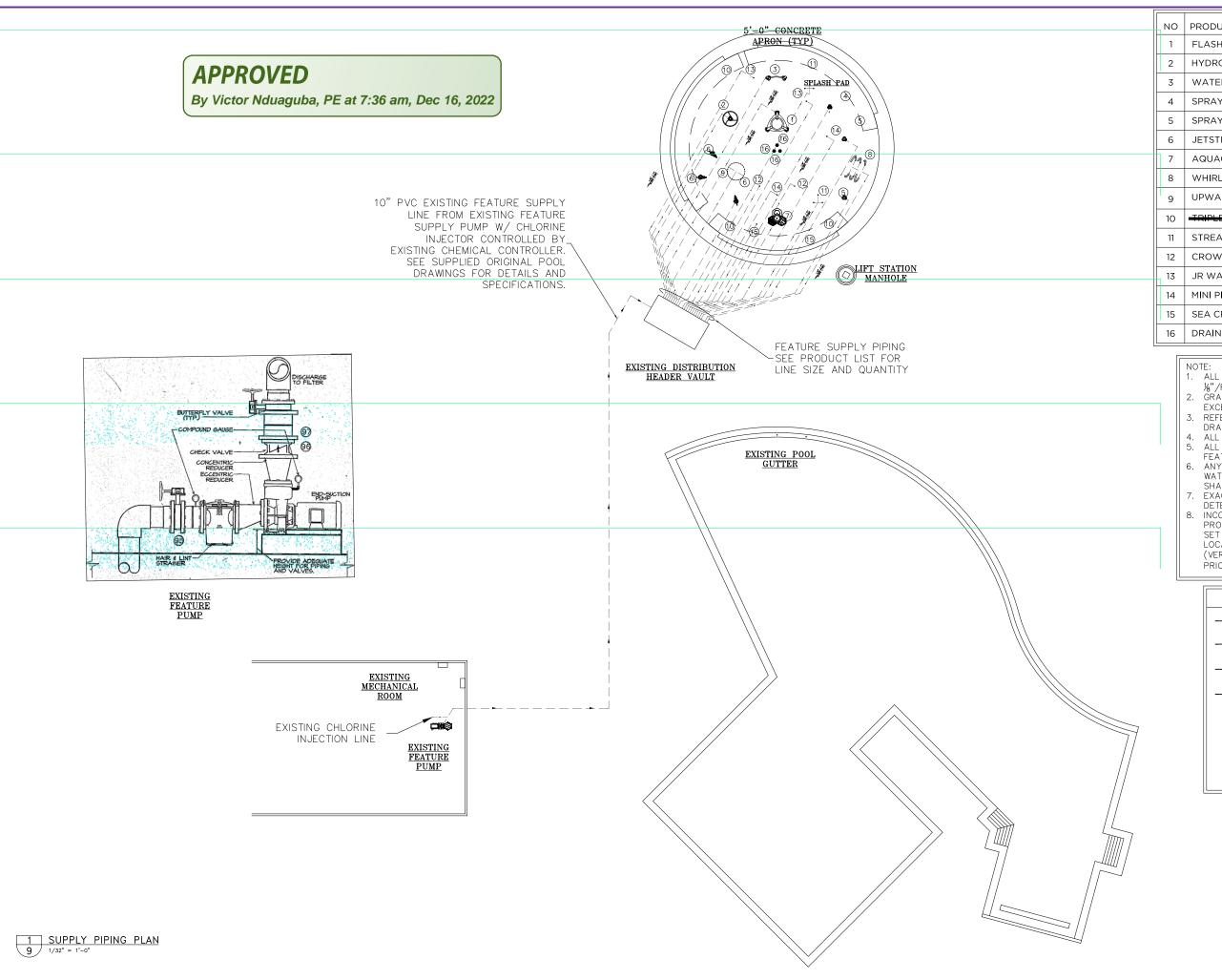
JOB TIII TRAILS / SPLASH

EXISTING FILTRATIN ISOMET

JOB NO 1156080-05-02 8**-**1

OF 13

1 EXISTING FILTRATION ISOMETRIC 8-1 NTS



	NO	PRODUCT	QTY	GPM	LINE SIZE
H					
	1	FLASHFLOOD	1	20	1 ½"
	2	HYDROHELIX	1	30	1 ½"
	3	WATERWAY	1	10	1"
	4	SPRAYSTACKER	1	20	1 ½"
	5	SPRAYSHROUD	2	20 EA	1½" EA
	6	JETSTREAM	3	5 EA	1" EA
	7	AQUAGATHER STATION	1	10	1"
	8	WHIRLFLEX	1	30	1 ½"
	9	UPWARD SPRAY RING	1	110	4"
	10	TRIPLE ARCH JET	3	5 EA	1" EA
	11	STREAM JET TRIANGLE	2	15 EA	1½" EA
	12	CROWN JET	2	5 EA	1" EA
	13	JR WATER JEWEL	2	7 EA	1" EA
	14	MINI PILLAR	2	10 EA	1" EA
	15	SEA CRAWLER	2	5 EA	1" EA
	16	DRAIN BOX W/ STRAINER	3	175 EA MIN.	6" EA

ALL SUPPLY AND DRAIN LINES TO SLOPE 1/8"/FT AWAY FROM SPLASH PAD.

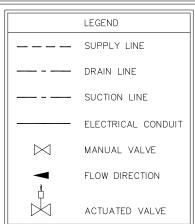
2. GRAVITY DRAIN LINE VELOCITY NOT TO

EXCEED 3.0 FT/SEC.
REFER TO SPEC SHEET AND INSTALLATION
DRAWING FOR EACH PRODUCT.
ALL PIPING SHOULD BE SCH 80 PVC.

ALL LINES FROM PIPE MANIFOLDS TO

FEATURES SHOULD NOT BE CROSSED. 6. ANY REQUIRED BACKFLOW DEVICE OR WATER METER ON THE CITY WATER MAIN SHALL BE PROVIDED BY OWNER.
7. EXACT ROUTING OF PIPING TO BE

DETERMINED BY INSTALLING CONTRACTOR. INCOMING FRESH WATER SUPPLY TO BE PROVIDED WITH AN APPROVED REGULATOR SET TO 25-30PSI IN ACCORDANCE WITH LOCAL AND STATE CODES. (VERIFY LINE SIZE W/ MUNICIPALITY PRIOR TO CONSTRUCTION.)

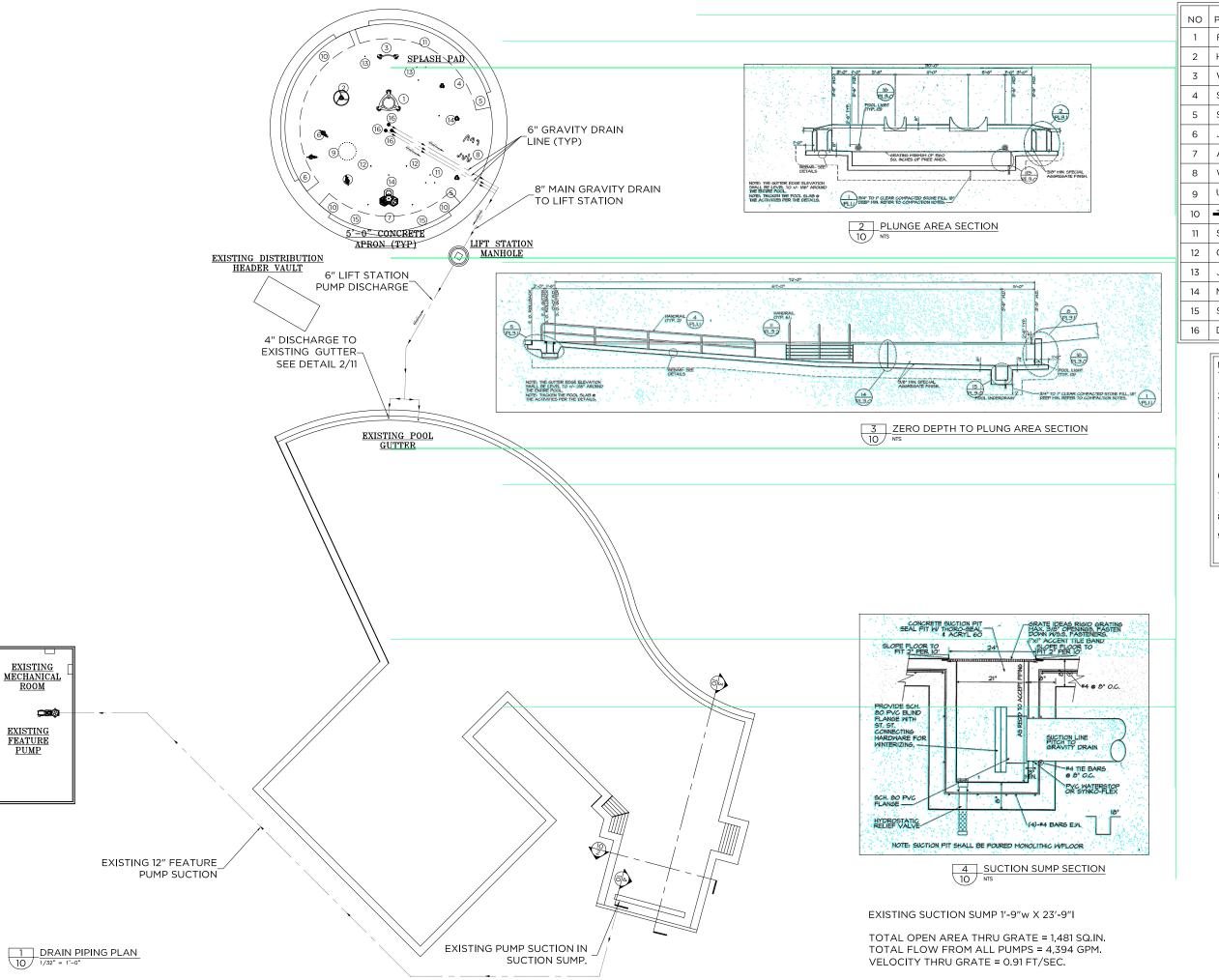


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SYCAMORE TRAILS AQUATIC CENTER
SPLASH PAD

JOB NO 1156080-05-02

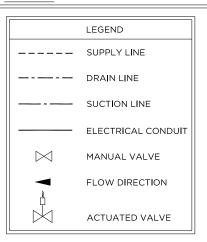




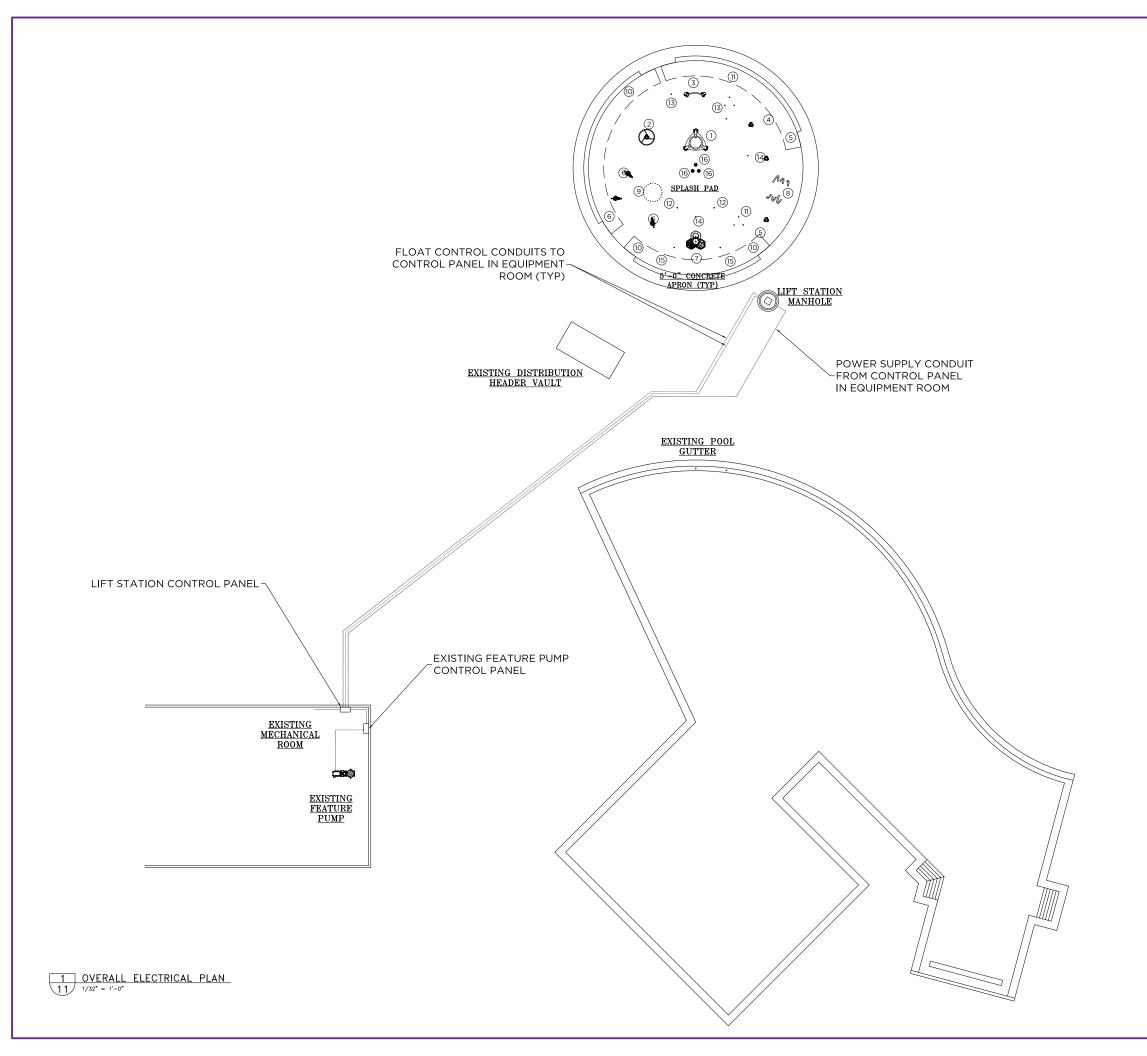
NO	PRODUCT	QTY	GPM	LINE SIZE
1	FLASHFLOOD	1	20	1 ½"
2	HYDROHELIX	1	30	1 ½"
3	WATERWAY	1	10	1"
4	SPRAYSTACKER	1	20	1 ½"
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16	DRAIN BOX W/ STRAINER	3	175 EA MIN.	6" EA

- OTE:
 ALL GRAVITY DRAIN LINES TO SLOPE

 %"/FT AWAY FROM SPLASH PAD.
 GRAVITY DRAIN LINE VELOCITY NOT TO
 EXCEED 3.0 FT/SEC
 REFER TO SPEC SHEET AND INSTALLATION
 DRAWING FOR EACH PRODUCT.
 ALL PIPING SHOULD BE SCH 80 PVC.
 ANY REQUIRED BACKFLOW DEVICE OR
 WATER METER ON THE CITY WATER
 MAIN SHALL BE PROVIDED BY OTHERS.
 EXACT ROUTING OF PIPING TO BE 6. EXACT ROUTING OF PIPING TO BE
- DETERMINED BY CONTRACTOR.
- MINIMIZE USE OF ELBOWS ON ALL DRAINAGE PIPING.
- 8. COORDINATE (1½") DRAIN LINES FROM POD EMBEDS TO DRAINAGE AREA.
- NO DIRECT CONNECTION ALLOW ON THE DRAIN TO WASTE LINES. AIR GAP REQUIRED.



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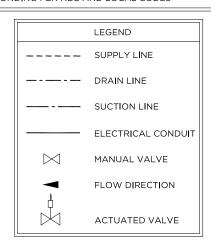
NO	PRODUCT	QTY	GPM	LINE SIZE
1	FLASHFLOOD	1	20	1 ½"
2	HYDROHELIX	1	30	1 ½"
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15	SEA CRAWLER	2	5 EA	1" EA
16	DRAIN BOX W/ STRAINER	3	175 EA MIN.	6" EA

- REFER TO SPEC SHEET AND INSTALLATION DRAWING FOR EACH PRODUCT.
 WIRING FROM THE CONTROLLER TO THE
- ACTIVATION BOLLARD SHALL BE #14 AWG, (3) CONDUCTORS TOTAL.
- 3. ALL CONNECTIONS TO THE CONTROLLER SHALL BE PERFORMED USING AN APPROVED
- SHALL BE PERFORMED USING AN APPROVED NEMA 4X CONNECTOR.

 EXACT ROUTING OF WIRING TO BE DETERMINED BY CONTRACTOR.

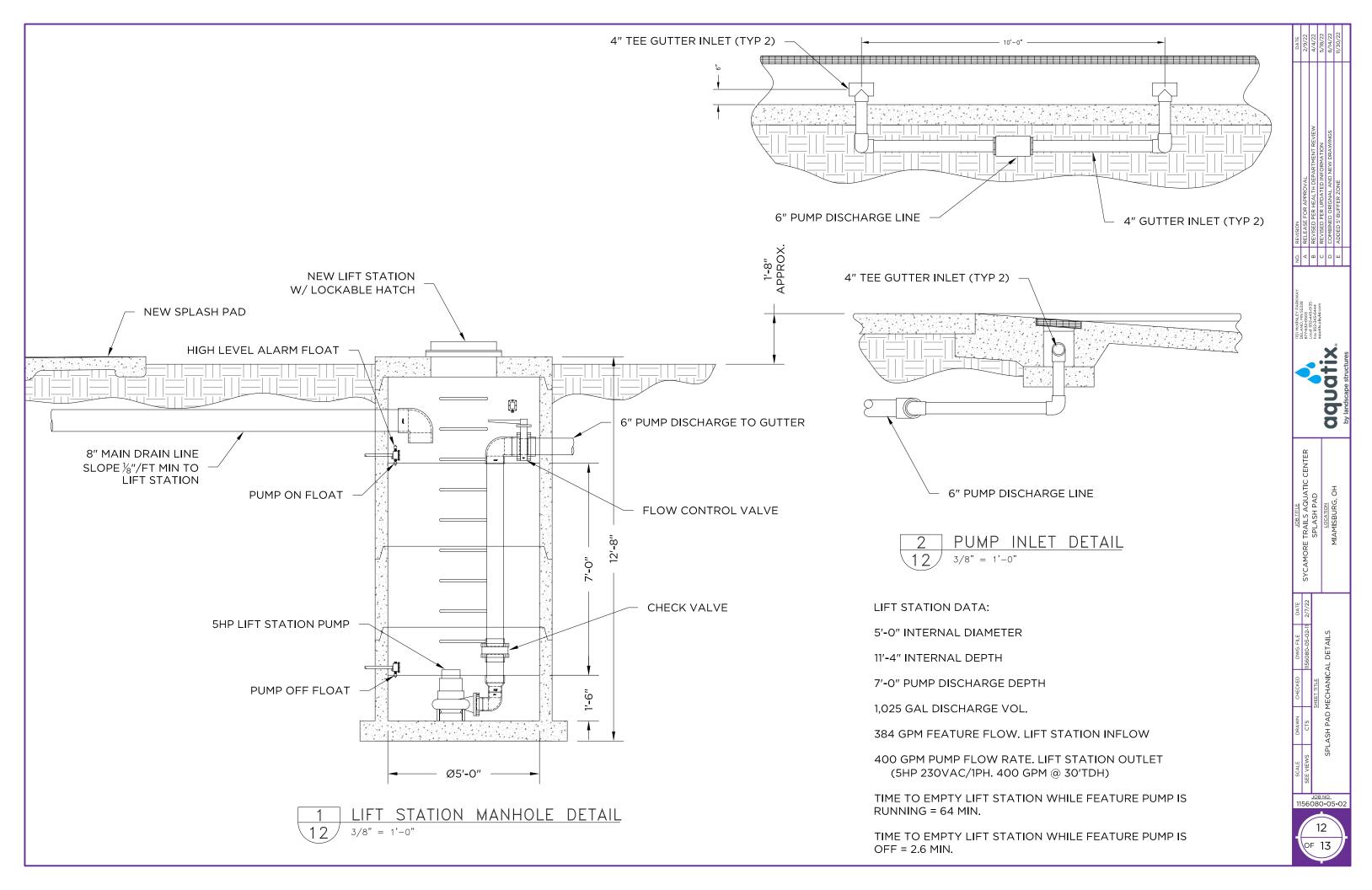
 PROVIDE BOND WIRES FOR REBAR PER LOCAL AND STATE CODES.

 ALL STAINLESS STEEL STRUCTURES REQUIRE ONDING PER NEC AND LOCAL CODES



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- NOTE:

 1. ALL GRAVITY DRAIN LINES TO SLOPE 1/8"/FT AWAY FROM SPLASH PAD.

 2. GRAVITY DRAIN LINE VELOCITY NOT TO EXCEED 3.0 FT/SEC.

 3. REFER TO SPEC SHEET AND INSTALLATION DRAWING FOR EACH PRODUCT.

 4. LOCATION AND SIZE OF UNDERGROUND STORAGE TANK NOT TO SCALE.

 5. ALL PIPING BETWEEN COLLECTOR BOXES, UNDERGROUND STORAGE TANK, AND OPERATING SYSTEM SHOULD BE SCH 80 PVC.

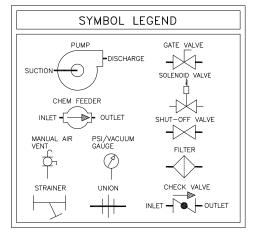
 6. ALL LINES FROM PIPE MANIFOLDS TO FEATURES SHOULD NOT BE CROSSED.

 7. ANY REQUIRED BACKFLOW DEVICE OR WATER METER ON THE CITY WATER MAIN SHALL BE PROVIDED BY OTHERS.

 8. EXACT ROUTING OF PIPING TO BE DETERMINED BY CONTRACTOR.

 9. UNDERGROUND STORAGE TANK AND ALL EQUIPMENT MUST BE SECURE TO PREVENT UNAUTHORIZED ACCESS.





	FEATURE EQUIPMENT	
ITEM#	DESCRIPTION: TOTAL	L QTY:
Α	SPLASH PAD CONTROL PANEL	1
В	PRECAST CONCRETE MANHOLE	1
С	5HP 230/60/1PH SUBMERSIBLE LIFT STATION PUMP	Ξ 1
D	PUMP CONTROL FLOATS PUMP ON AND HIGH ALARM	1
E	PUMP CONTROL FLOAT PUMP OFF	1
F	EXISTING POOL GUTTER W/ NEW RETURNS	1
G	EXISTING FEATURE PUMP	1

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LOCATION MIAMISBURG, OH

SPLASH PAD MECHANICAL SCHEMATIC

JOB NO 1156080-05-02



