CONTRACTOR SUPPLIED POOL CHEMICALS

DESCRIPTION	AMOUNT
SODIUM HYPOCHLORITE	FULL BULK TANK: 200 GAL
SODIUM BISULFATE	FULL FEEDER + 100 LBS
SODIUM BICARBONATE	200 LBS
CALCIUM CARBONATE	100 LBS
SODIUM THIOSULFATE	50 LBS

DESIGN DATA

	UNITS	EXISTING POOL	POOL (ALTERNATE AC-01 & AC-04)	SPRAYGROUND (ALTERNATE AC-03)
LENGTH	FT.	VARIES	VARIES	VARIES
WIDTH	FT.	VARIES	VARIES	VARIES
WATER SURFACE AREA	SQ. FT.	13,850	15,859	5,571
PERIMETER	FT.	658'-0"	708'-0"	350'-6"
VOLUME	GALLONS	318,477	456,805	N/A
RECIRCULATION SYSTEM				
POOL TURNOVER RATE	HOURS	3.84	5.44	0.5
RECIRCULATION RATE	GPM	1,400	1,400	200
SURGE CAPACITY	GALLONS	16,755	16,755	5,980
SEWER CAPACITY	GPM	REFER TO PLUMBING	REFER TO PLUMBING	REFER TO PLUMBING
BATHER LOAD	PERSONS	900	938	223

GENERAL POOL NOTES

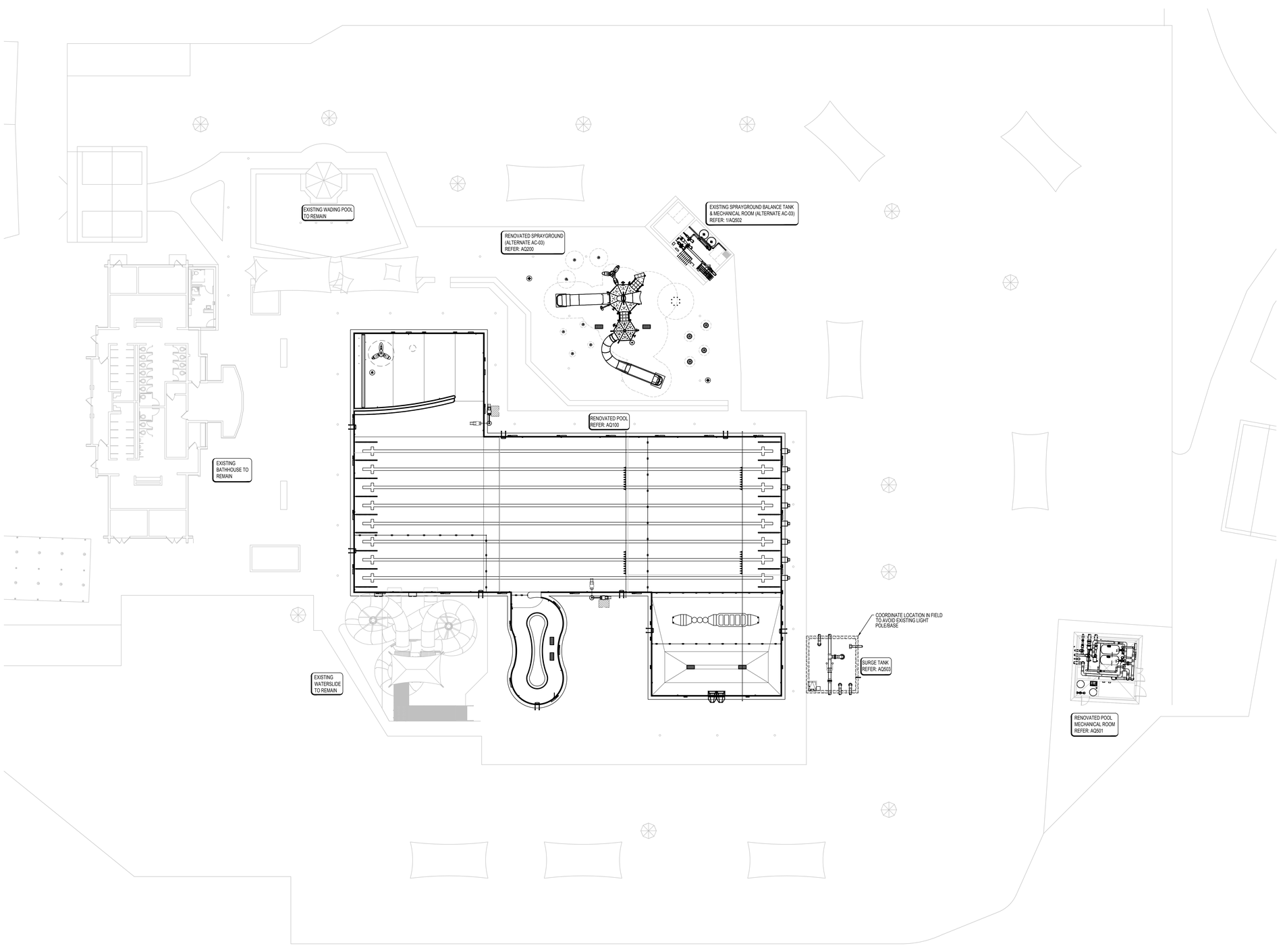
1. ◆ DENOTES WATER DEPTH FROM WATER LEVEL.
2. POOL FINISH MUST BE A EPOXY PAINT. EXISTING PAINT IN ALL POOL AREAS TO BE REMOVED. ALL POOL AREAS TO BE REPAINTED. REFER TO SPECIFICATIONS.
3. ALL POOL FLOOR AREAS 3'-6" AND SHALLOWER MUST HAVE A SLIP RESISTANT FINISH.
4. TYPICAL POOL DIMENSIONS SHOWN ARE FROM INSIDE FINISHED POOL WALL.
5. REFER TO POOL STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ALL DIMENSIONS RELATING TO THE THICKNESS OF THE POOL SHELL AND CONCRETE CURING METHODS.
6. THE JUNCTION BETWEEN THE NEW POOL WALLS AND THE FLOORS MUST BE COVED WITH A MAXIMUM 6" RADIUS.
7. DEPTH MARKERS AND WARNING SIGNS ARE SHOWN IN APPROXIMATE LOCATIONS. DEPTH MARKERS AND WARNING SIGNS MUST NOT EXCEED 25'-0" APART FROM EACH OTHER, AND MUST BE PLACED AT EVEN FOOT INTERVALS PER LOCAL CODE.
8. ALL PROPRIETARY NAMES MENTIONED ARE TO DESIGNATE PERFORMANCE STANDARDS. EQUIVALENT PRODUCTS MUST BE SUBMITTED FOR APPROVAL.
9. SLIP RESISTANT DECK FINISH REQUIRED. REFER TO ARCHITECT.
10. REFER TO PLUMBING FOR DECK DRAINS AND HOSE BIBBS. (ALTERNATE AC-02)
11. ALL SURFACE WATER MUST DRAIN AWAY FROM THE POOL.
12. ELECTRICAL INSPECTOR MUST APPROVE INSTALLATION OF BONDING GRID FOR POOL REINFORCING AND ALL POOL EMBEDS PRIOR TO PLACEMENT OF CONCRETE.
13. NO GROUND WATER MUST BE ALLOWED TO RISE ABOVE ANY PORTION OF THE POOL BOTTOM DURING CONSTRUCTION.
14. ALL METALLIC PORTIONS OF PLAY FEATURE MUST BE EPOXY COATED STAINLESS STEEL (ALTERNATE AC-04).
15. ALL POOL REINFORCING STEEL, METAL FITTINGS, EQUIPMENT WITHIN 5'-0" OF POOL EDGE AND ANY METAL PARTS OF POOL EQUIPMENT IN CONTACT WITH POOL RECIRCULATION SYSTEM MUST BE BONDED PER NEC 680. REFER: 9/AQ505
16. IT IS RECOMMENDED THAT ZONE EVALUATIONS ACCORDING TO THE AMERICAN RED CROSS OR A SIMILAR APPLICABLE LIFEGUARD AGENCY ARE CONDUCTED PRIOR TO OPERATING THE FACILITY AND REGULARLY ACCORDING TO AGENCY GUIDELINES. ZONE EVALUATIONS ARE NECESSARY TO CONFIRM APPROPRIATE LIFEGUARD PLACEMENT AND ZONE COVERAGE.
17. CONTRACTOR TO PROVIDE CHEMICAL QUANTITIES PER CONTRACTOR SUPPLIED POOL CHEMICAL SCHEDULE AFTER INITIAL WATER BALANCE IS REACHED PRIOR TO OWNER TURNOVER.
18. THE SURGE TANK AND GUTTER SYSTEM MUST BE WATER TESTED IN ACCORDANCE TO THE HYDROSTATIC TIGHTNESS TESTING OF AN OPEN CONCRETE CONTAINMENT STRUCTURE AS REQUIRED BY THE AMERICAN CONCRETE INSTITUTE (ACI) 350.1-10 SECTION 2. REFER TO SPECIFICATIONS. REFER: 13/AO505

GENERAL SPRAYGROUND NOTES (ALTERNATE AC-03)

1. ◆ DENOTES SPRAYGROUND SLAB ELEVATION FROM DECK LEVEL.
2. SPRAYGROUND FINISH MUST BE MEDIUM BROOM FINISHED CONCRETE.
3. ALL PROPRIETARY NAMES MENTIONED ARE TO DESIGNATE PERFORMANCE STANDARDS EQUIVALENT PRODUCTS MUST BE SUBMITTED FOR APPROVAL.
4. ALL SURFACE WATER WITHIN THE SPRAYGROUND FOOTPRINT MUST DRAIN TOWARD MAIN DRAINS.
5. ELECTRICAL INSPECTOR MUST APPROVE BONDING OF REINFORCING, SPRAYGROUND FITTINGS AND CONDUIT PRIOR TO THE APPROVAL OF REINFORCING STEEL FOR POURING OF CONCRETE.
6. ALL PIPING MUST SLOPE AT A MINIMUM OF 1/8" PER FOOT FROM SPRAYGROUND TO RAIN DIVERTOR VALVE BOX.
7. ALL METALLIC PORTIONS OF A SPRAY FEATURE MUST BE EPOXY COATED STAINLESS STEEL.
8. ALL POOL REINFORCING STEEL, METAL FITTINGS, EQUIPMENT WITHIN 5'-0" OF SPRAYGROUND EDGE, AND ANY METAL PARTS OF POOL EQUIPMENT IN CONTACT WITH SPRAYGROUND RECIRCULATION SYSTEM MUST BE BONDED PER NEC 680. REFER: 9/AQ505 & 5/AQ506

AQUATIC ALTERNATES

1. ALTERNATE AC-01
   A. BASE BID: PROVIDE PIPING FROM THE PUMP PIT TO THE VALVE BOX AS INDICATED ON THE DRAWINGS. ALL ASSOCIATED PIPING TO BE CAPPED FOR FUTURE CONNECTION AT PUMP PIT AND IN VALVE BOX.
   B. ADD ALTERNATE: PROVIDE CURRENT CHANNEL AS INDICATED ON THE DRAWINGS INCLUDING CURRENT CHANNEL STRUCTURE, ISLAND, WING WALLS, LADDER, PIPING, AND PUMP REQUIRED TO PROVIDE A FUNCTIONAL CURRENT CHANNEL. ALTERNATE INCLUDES ADDITIONAL DEMOLITION REQUIRED TO PROVIDE THE NEW CURRENT CHANNEL.
2. ALTERNATE AC-02
   A. BASE BID: NO WORK REQUIRED. ALL AREA DRAINS ON THE DECK TO REMAIN.
   B. ADD ALTERNATE: PROVIDE NEW TRENCH DRAIN AROUND THE PERIMETER OF THE POOL AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS. ALTERNATE SHOULD INCLUDE ADDITIONAL DEMOLITION OF DECK AND AREA DRAINS. CONNECTION TO EXISTING STORM SYSTEM BY PLUMBING CONTRACTOR. COORDINATE WITH ALTERNATE P-2, IF ACCEPTED.
3. ALTERNATE AC-03
   A. BASE BID: NO WORK REQUIRED. EXISTING SPRAYGROUND TO REMAIN.
   B. ADD ALTERNATE: PROVIDE NEW SPRAYGROUND INCLUDING NEW STRUCTURAL PAD, PLAY FEATURES, CONTROLS, FEATURE RETURN PIPING, MAIN DRAINS AND PIPING TO THE EXISTING BALANCE TANK, RAIN DIVERTOR VALVE AND MANIFOLD WITH SOLENOID VALVES AS INDICATED ON THE DRAWINGS. ALTERNATE INCLUDES ADDITIONAL DEMOLITION REQUIRED TO PROVIDE NEW SPRAYGROUND. THE CURRENT RECIRCULATION SYSTEM FOR THE SPRAYGROUND MUST REMAIN. EXISTING SPRAYGROUND PUMP #3 TO BE REUSED FOR NEW FEATURES.
4. ALTERNATE AC-04
   A. BASE BID: PROVIDE PIPING FROM THE PUMP PIT TO THE VALVE BOX AS INDICATED ON THE DRAWINGS. ALL ASSOCIATED PIPING TO BE CAPPED FOR FUTURE CONNECTION AT PUMP PIT AND IN VALVE BOX. EXISTING RAMP AND STAIR TO REMAIN AND NEW ANCHORS AND RAILING TO BE INSTALLED IN THOSE LOCATIONS.
   B. ADD ALTERNATE: PROVIDE ZERO ENTRY AS INDICATED ON THE DRAWINGS INCLUDING ZERO ENTRY STRUCTURE, PIPING, PLAY FEATURES, WING WALL, UNDERWATER BENCH AND FEATURE PUMP REQUIRED TO PROVIDE A FUNCTIONAL ZERO ENTRY. ALTERNATE INCLUDES ADDITIONAL DEMOLITION REQUIRED TO PROVIDE THE NEW ZERO ENTRY.
5. ALTERNATE AC-05
   A. BASE BID: NO WORK REQUIRED.
   B. ADD ALTERNATE: PROVIDE NEW WIBIT PLAY FEATURE AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.
6. ALTERNATE AC-06
   A. BASE BID: NO WORK REQUIRED.
   B. ADD ALTERNATE: PROVIDE SPRING TYPE POOL COVER. REFER TO SPECIFICATIONS.



1 AQ000 POOL REFERENCE PLAN
1/16" = 1'-0"

DRAWING INDEX

SHEET	DESCRIPTION
AQ000	POOL REFERENCE PLAN
AQ001	POOL DEMOLITION PLAN
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AQ101	RENOVATED POOL SECTIONS
AQ102	POOL DETAILS
AQ103	POOL DETAILS
AQ200	SPRAYGROUND RENOVATION PLAN
AQ201	SPRAYGROUND DETAILS
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AQ301	POOL RETURN PIPING PLAN
AQ302	POOL DECK TRENCH DRAIN PLAN
AQ400	POOL & SPRAYGROUND LOCATION POINT PLAN
AQ500	POOL MECHANICAL ROOM DEMOLITION PLANS
AQ501	POOL MECHANICAL ROOM RENOVATION PLAN & SECTIONS
A502	SPRAYGROUND MECHANICAL ROOM RENOVATION PLAN & SECTIONS
AQ503	SURGE TANK PLANS & SECTIONS
AQ504	POOL MECHANICAL DETAILS
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AQ600	POOL SYSTEMS SCHEMATICS
AQ700	POOL STRUCTURAL PLAN
AQ701	POOL STRUCTURAL DETAILS
AQ702	POOL STRUCTURAL SECTIONS

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5-18-23

Hampden Township Aquatics Center Improvements

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REVISIONS

05/19/23 - ISSUED FOR PERMIT

No.	Date	Description

DRAWING TITLE
POOL REFERENCE PLAN

PROJECT NUMBER
22.226

DRAWN BY
KAS

SCALE
AS NOTED

DATE
05/19/2023

DRAWING NUMBER
AQ000

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