

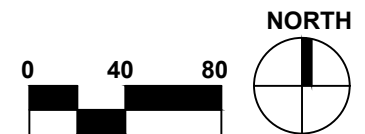


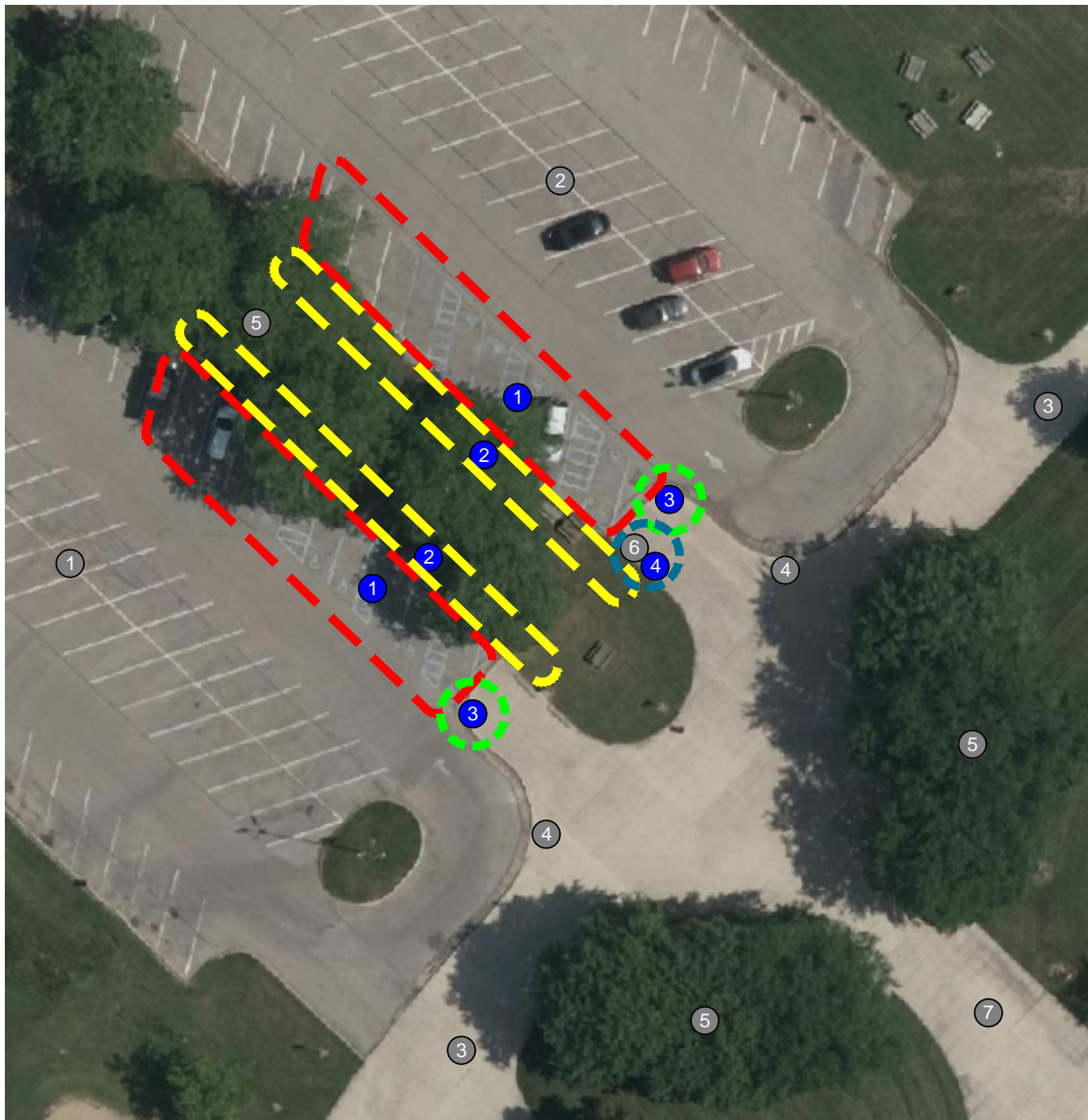
EXISTING CONDITION NOTES

- ① WAVE POOL
- ② KIDS SPRAYGROUND AREA
- ③ SHADE STRUCTURES
- ④ MECHANICAL BUILDING
- ⑤ BATHHOUSE BUILDING
- ⑥ MEN'S SIDE
- ⑦ WOMEN'S SIDE
- ⑧ MULTI-PURPOSE ROOM / SUNDRY SHOP
- ⑨ TICKETING AREA
- ⑩ FIRST AID
- ⑪ CONTROL DESK / LIFEGUARD AREA
- ⑫ TUBE STORAGE
- ⑬ FOOD BAR
- ⑭ FOOD BAR PLAZA
- ⑮ PARKING LOT
- ⑯ BASKETBALL COURT
- ⑰ HIKE-BIKE TRAIL
- ⑱ CONCRETE & ASPHALT WALKS

NOTES:

THE AERIAL PHOTO SHOWN WAS TAKEN PRIOR TO THE POOL CLOSURE IN JUNE OF 2020. THE POOL HAS BEEN CLOSED FOR THE PAST 3 POOL OPERATING SEASONS. PROBLEMS OCCURRED WITH THE CONCRETE / MARCITE POOL SHELL. REGULAR REPAIRS COULD NOT KEEP THE FACILITY OPEN. A NEW POOL LINER SYSTEM IS NEEDED ALONG WITH VARIOUS OTHER POOL UPGRADES, MECHANICAL BUILDING UPDATES, & ACCESSIBILITY IMPROVEMENTS. THE ENLARGEMENTS OUTLINE THE VARIOUS CHANGES PROPOSED.





EXISTING CONDITION NOTES

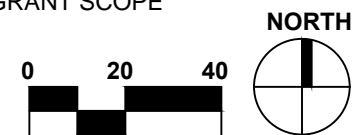
- ① WEST PARKING LOT
- ② EAST PARKING LOT
- ③ CONCRETE WALK
- ④ CURB CUT / RAMP
- ⑤ SHADE TREES
- ⑥ BIKE RACK
- ⑦ CONCRETE ENTRANCE WALK TO WAVE POOL. SLOPE OF WALK IS LESS THAN 5% & MEETS ADA REQUIREMENTS.

PROPOSED PARKING LOT WORK

- ① ACCESSIBLE PARKING SPACES NEED UPDATING PER ADA STANDARDS. EACH ANGLED PARKING SPACE IS REQUIRED TO HAVE A STRIPED AISLE ON THE PASSENGER SIDE OF EACH SPACE. THE CURRENT LAYOUT HAS STRIPED AISLES SHARED BY TWO SPACES. NEW PARKING LOT STRIPING & SIGNAGE REQUIRED. ALL SPACES TO BE MADE VAN ACCESSIBLE.
- ② A CONCRETE WALK IN FRONT OF THE ACCESSIBLE SPACES WILL MOVE THE ACCESSIBLE ROUTE OUT OF THE PARKING LOT DRIVE AISLE.
- ③ CURB CUT LOCATIONS CLOSER TO ADA SPACES WILL SHORTEN THE TIME VISITORS ARE ON THE EXISTING ACCESS ROUTE WITHIN THE LOT.
- ④ THE BIKE RACK WILL BE REPLACED WITH INDIVIDUAL BIKE HOOPS. THE NEW DESIGN WILL CATER TO A GREATER VARIETY OF BIKE TYPES & IS BETTER FOR UNIVERSAL DESIGN.

NOTES:

METROPARKS TO ADDRESS ACCESSIBLE PARKING UPDATES AHEAD OF REOPENING OF POOL. PARKING LOT WORK NOT INCLUDED IN GRANT SCOPE OF WORK.

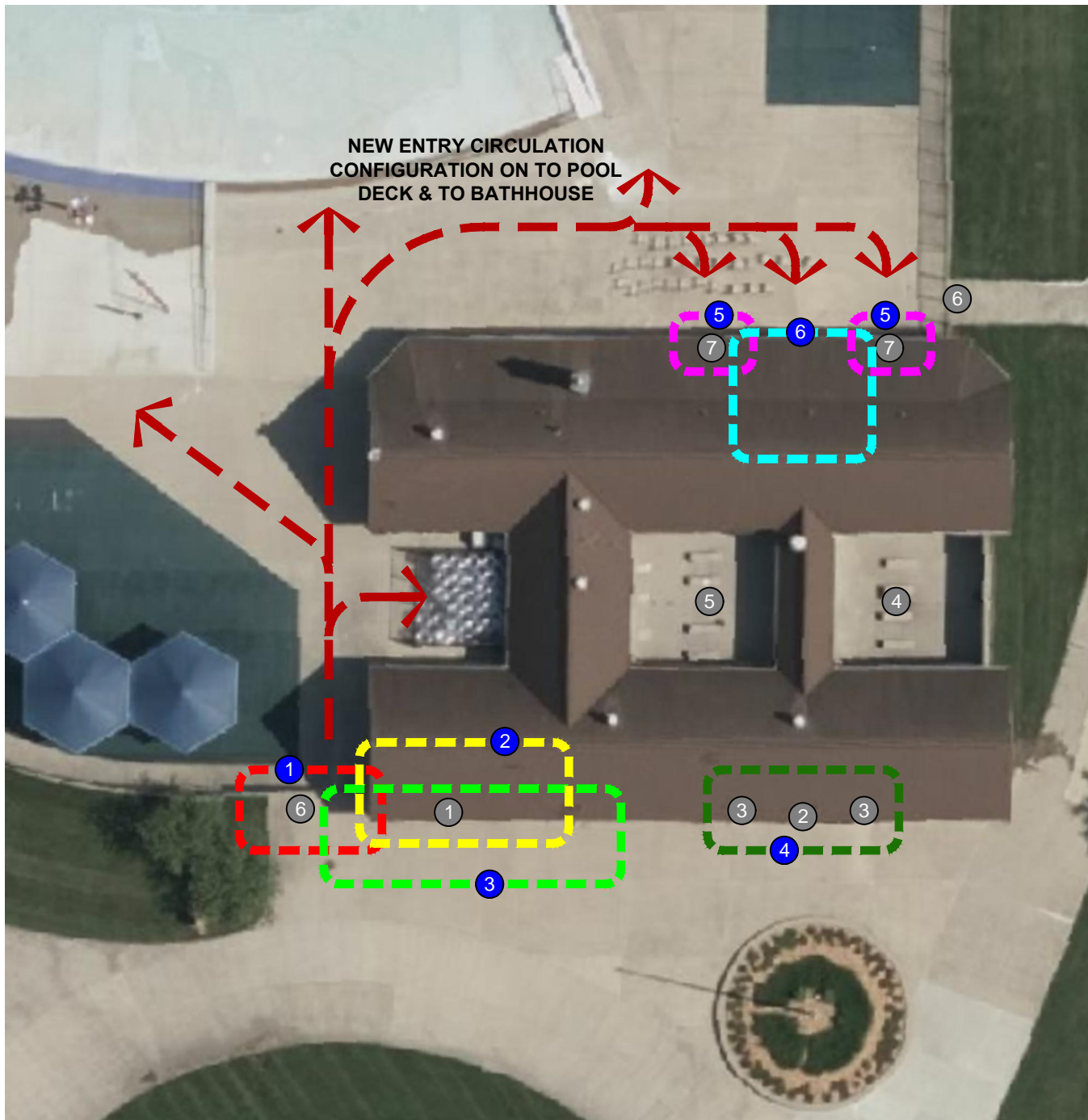


LAKE ERIE METROPARK GREAT WAVE POOL RENOVATION

Parking Lot Work to be Addressed by HCMA (not part of grant)

December 2022

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EXISTING CONDITION NOTES

- ① MULTI-PURPOSE ROOM ENTRANCE
- ② TICKETING CHECK-IN ENTRY AREA
- ③ BATHHOUSE ENTRY
- ④ MEN'S BATHHOUSE SIDE
- ⑤ WOMEN'S BATHHOUSE SIDE
- ⑥ EMERGENCY ENTRY GATE
- ⑦ ENTRANCE ONTO POOL DECK

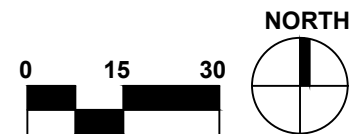
PROPOSED ENTRY RECONFIGURATION

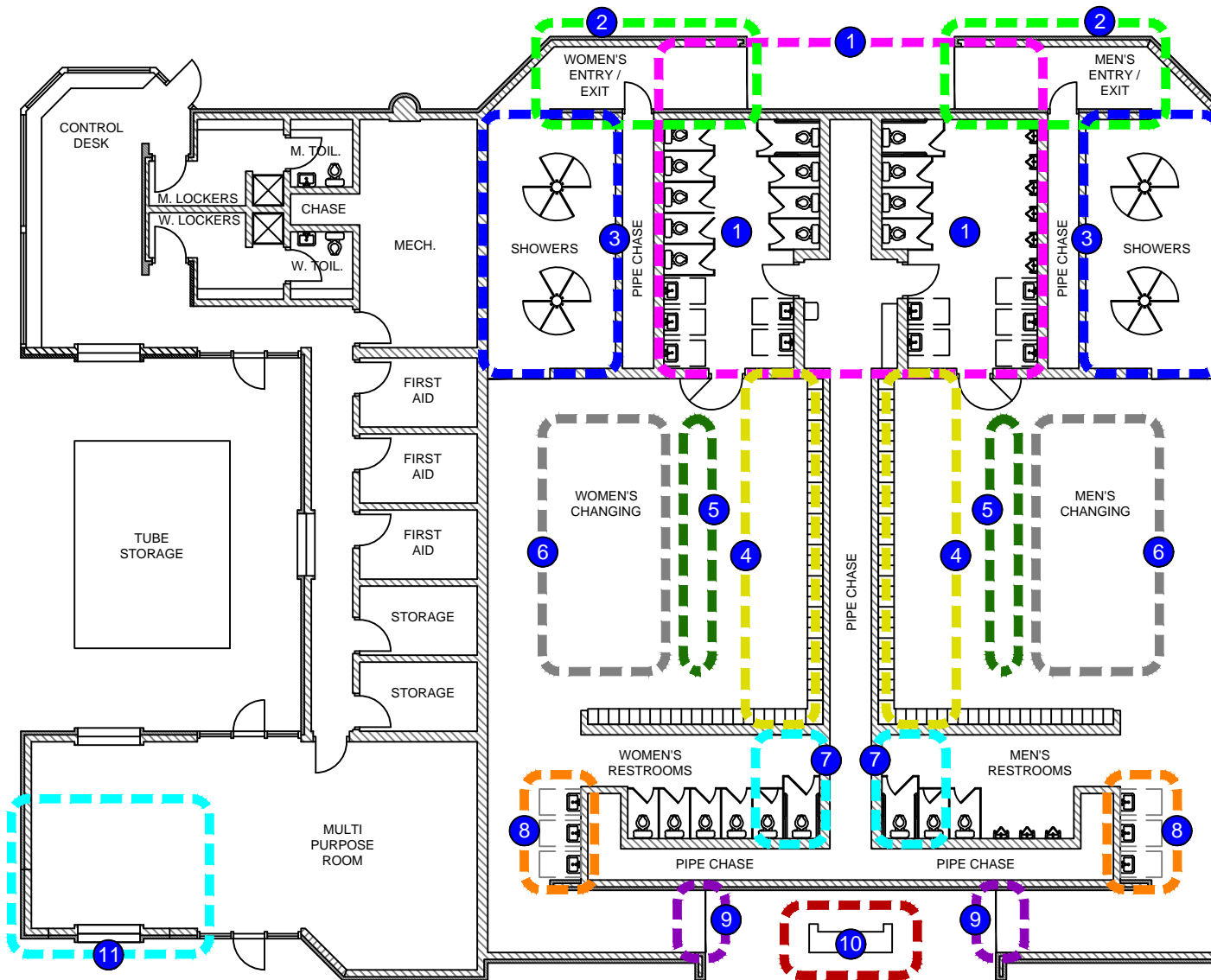
- ① NEW ACCESSIBLE GATED ENTRY / EXIT
- ② NEW ACCESSIBLE TICKETING WINDOWS
- ③ NEW TICKETING QUEUING LINE
- ④ EMERGENCY EXIT ONLY (CURRENT ENTRY TO BATHHOUSE & POOL)
- ⑤ NEW BATHHOUSE ENTRIES
- ⑥ NEW FAMILY CHANGING ROOM ENTRY

NOTES:

PROPOSED CHANGES MODIFY THE ENTRY CONFIGURATION TO THE POOL & BATHHOUSE. CURRENTLY MEN & WOMEN GO THEIR SEPARATE WAY THROUGH THE BATHHOUSE. MOVING THE TICKETING AREA & CHANGING THE GATE CONFIGURATION WILL ALLOW POOL ENTRY STRAIGHT ONTO THE POOL DECK, AVOIDING DIRECT ENTRY INTO & THROUGH THE BATHHOUSE.

ACCESSIBLE TICKETING WINDOWS TO BE CONSTRUCTED ON THE OUTSIDE WALL OF THE BUILDING ELIMINATING UNNECESSARY ENTRY INTO THE ADMINISTRATIVE SIDE OF THE BUILDING. THE EXISTING ENTRIES INTO THE MEN'S & WOMEN'S SIDE OF THE BUILDING WILL BE CLOSED & BECOME EMERGENCY EXITING ONLY.





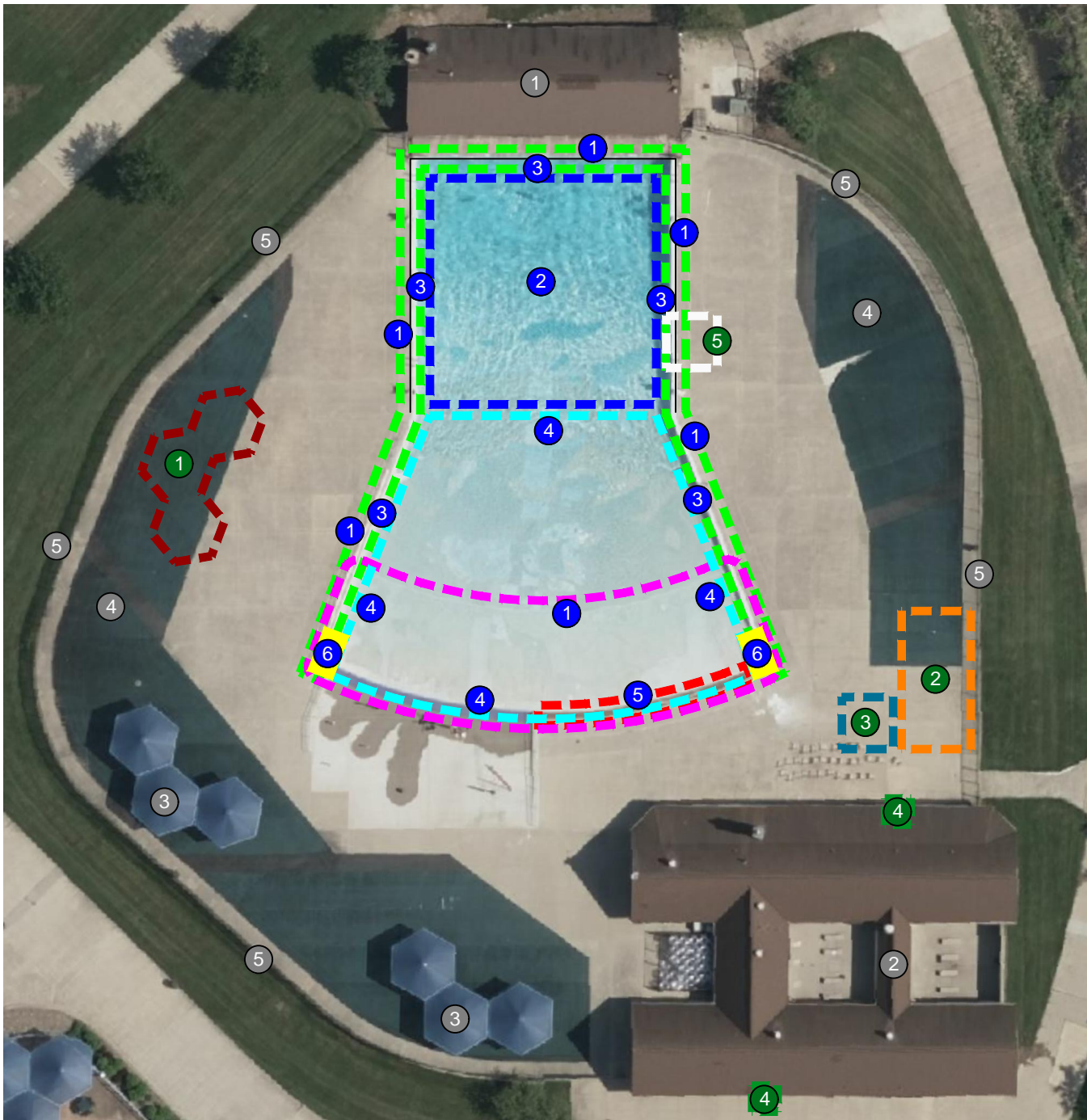
BATHHOUSE RENOVATION

- 1 FAMILY CHANGING ROOM ADDITIONS WITH ACCESS TO POOL DECK. SHOWER TO BE INCLUDED WITHIN EACH ROOM. AN ADULT SIZED CHANGING TABLE TO BE ADDED WITHIN ONE OF THEM. 2-4 ROOMS TO BE ADDED.
- 2 MEN'S & WOMEN'S BATHHOUSE ENTRY RECONFIGURATION
- 3 RENOVATE SHOWER AREA WITH ACCESSIBLE SHOWER & PRIVATE SHOWER FACILITIES
- 4 WATER CLOSET / URINAL RELOCATION ALONG PIPE CHASE, ONE STALL SHALL BE ACCESSIBLE. ROOF OVER NEW FACILITIES.
- 5 SINK RELOCATION ACROSS FROM NEW WATER CLOSETS OR URINALS
- 6 PRIVATE CHANGING FACILITIES, ONE SHALL BE AN ACCESSIBLE UNIT. ADD INTERIOR WALLS TO CREATE MORE PRIVACY WITHIN THE OPEN AIR CHANGING AREA. ROOF OR FABRIC SHADE STRUCTURE TO CREATE THE SENSE OF MORE PRIVACY. REPLACE LOCKERS AND ADD SEATING IN FRONT
- 7 ACCESSIBLE WATER CLOSET ADDITION, ACCESSIBLE SINK WITHIN WATER CLOSET AREA
- 8 SINK, MIRROR, & HAND DRYER ACCESSIBILITY IMPROVEMENTS
- 9 EMERGENCY EXIT DOOR ADDITION
- 10 REMOVAL OF TICKETING COUNTER
- 11 NEW ACCESSIBLE TICKETING WINDOWS ON OUTSIDE WALL OF MULTI-PURPOSE ROOM

NOTES:

THE PROPOSED CHANGES WILL BRING THE TICKETING WINDOW, RESTROOMS, SHOWERS, & CHANGING ROOM FACILITIES UP TO ACCESSIBLE DESIGN STANDARDS. MULTIPLE CONCEPTS ARE BEING CONSIDERED AT THIS TIME. THE SELECTED CONFIGURATION SHALL MEET FIXTURE COUNT REQUIREMENTS WHICH ARE LIKELY TO BE SIMILAR TO WHAT EXISTS NOW. SOME SHOWER & LOCKER FACILITIES TO BE MOVED OUTSIDE BUILDING, SEE PROPOSED POOL STRUCTURE & POOL AREA RENOVATION CONCEPT PLAN FOR LOCATION.





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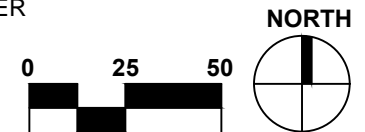
- ① MECHANICAL BUILDING
- ② BATHHOUSE
- ③ SHADE STRUCTURE
- ④ CARPETED POOL DECK
- ⑤ PERIMETER FENCING

POOL STRUCTURE RENOVATIONS

- ① REPAIR CONCRETE POOL SHELL, PRIMARILY WITHIN SHALLOW AREA
- ② SHALLOW POOL BOTTOM FROM 8'-0" DEPTH TO 5'-0" DEPTH
- ③ INSTALL POOL LINER SYSTEM WITHIN REPAIRED CONCRETE POOL SHELL. REPLACE STAINLESS STEEL GUTTER SYSTEM, EXTEND ENTIRE LENGTH OF POOL. INSTALL PVC MEMBRANE ON TO LINER SYSTEM & PORTION OF POOL BOTTOM
- ④ INSTALL SOFTWALK FINISH TO A POOL DEPTH OF 4'-0"
- ⑤ EXISTING STEP TO REMAIN. ADD 2" WIDE CONTRASTING NOSING ON STAIRS VERTICAL & HORIZONTALLY
- ⑥ ADJUST RAMPS & RAILINGS TO ACCESSIBLE STANDARDS

POOL AREA RENOVATIONS

- ① SHADE STRUCTURE ADDITION
- ② OUTDOOR LOCKERS
- ③ OUTDOOR SHOWER
- ④ REPLACE DRINKING FOUNTAIN WITH ACCESSIBLE WATER BOTTLE FILLING STATION
- ⑤ ACCESSIBLE POOL LIFT TO BE ADDED AS AN ADDITIONAL OPTION FOR ACCESSIBLE ENTRY INTO WATER



LAKE ERIE METROPARK GREAT WAVE POOL RENOVATION

PROPOSED POOL IMPROVEMENTS (Difficult to show on Concept Plan)

MAIN DRAIN

- 1 REPLACE THREE MAIN DRAIN SUMPS & RETURN FITTINGS
- 2 REMOVE FOURTH MAIN DRAIN FOR CODE COMPLIANCE
- 3 REPLACE ALL VIRGINIA BAKER (VGB) DRAIN COVERS
- 4 REPLACE HYDROSTATIC RELIEF VALVES

PERIMETER OVERFLOW SYSTEM

- 1 REPLACE GUTTER SYSTEM, EXTEND TO SHALLOW END FOR CODE COMPLIANCE
- 2 INSTALL LARGE SURGE TANK THAT ACCOMMODATES AT LEAST 17,100 GALLONS OF CAPACITY. GUTTER SYSTEM COULD BE DESIGNED TO STORE SOME OF THIS VOLUME.
- 3 ABANDON SURGE WEIRS AFTER REPLACING / ENLARGING TANK
- 4 SEAL JOINTS ABOVE & BELOW THE NEW STAINLESS STEEL GUTTER SYSTEM

INLETS

- 1 LOWER INLET HEIGHTS TO 12" FOR CODE COMPLIANCE

ACCESS & ANCHORS

- 1 ADD TWO ACCESSIBLE RAILINGS TO EXISTING RAMP. RAILINGS TO EXTEND TO AT LEAST 24" OF POOL DEPTH.
- 2 BOND & GROUND ALL EMBEDS WITHIN 5'-0" OF THE POOL PER CODE
- 3 WRAP STEPS WITH 2" WIDE CONTRASTING NOSING ON STAIRS VERTICAL & HORIZONTALLY

POOL MARKINGS

- 1 VERTICAL & HORIZONTAL DEPTH MARKINGS REQUIRED
- 2 "NO DIVING" WARNING SIGNS REQUIRED AROUND POOL
- 3 CONTRASTING DEPTH BANDS REQUIRED ACROSS THE POOL FLOOR & UP THE SIDE WALLS TO THE HANDHOLD.

DECK & POOL SAFETY

- 1 PURCHASE NEEDED ITEMS TO RELOCATE RING BUOYS ADJACENT TO LIFEGUARD STANDS
- 2 REPLACE EMERGENCY STOPS IF NON-OPERATIONAL
- 3 PURCHASE REPLACEMENT OR NEEDED SAFETY EQUIPMENT INCLUDING: SPINE BOARD WITH HEAD IMMOBILIZER, FIRST AID KIT, BLOOD BORNE PATHOGEN KIT, SHEPHERD'S HOOK & REACHING POLE, A MEGAPHONE FOR PUBLIC ADDRESS & FOR EACH LIFEGUARD DURING PEAK OCCUPANCY, ONE RESUSCITATION MASK, RESCUE TUBE, & WHISTLE.
- 4 REPLACE SEALANT AROUND THE POOL DECK. REPLACE BACKING MATERIAL AS NEEDED.
- 5 REPAIR ANY HAIRLINE CRACKS AS NEEDED.

PROPOSED POOL MECHANICAL IMPROVEMENTS (Difficult to show on Concept Plan)

PIPING & VALVES

- 1 INSTALL DIGITAL FLOW METERS WITH MAGMETERS
- 2 INSTALL VALVE STEMS WITHIN WASTE PIT
- 3 INSTALL LARGER 10" SUCTION PIPING FOR WAVE POOL & 3" SUCTION PIPING FOR SPRAYGROUND, BOTH FOR CODE COMPLIANCE
- 4 INSTALL FLOW METERS ON BACKWASH PIPING FOR FILTER DISCHARGE & ON POOL DRAIN DOWN LINE
- 5 REPLACE CORRODED VALVE HARDWARE, HANGERS, & SUPPORTS. MODIFY CLEVIS HANGERS SO ALL ARE SUPPORTED FROM THE BUILDING STRUCTURE & NOT FROM PIPING.

FILTRATION

- 1 REPLACE 25-YEAR-OLD STEEL LINED SAND FILTERS WITH FIBERGLASS FILTERS OR REPLACE THE MEDIA WITHIN THE EXISTING TANKS
- 2 INSTALL A VFD ON THE RETICULATION PUMP
- 3 INSTALL AN IMPACT FLOW METER ON THE BACKWASH LINE

SURGE CAPACITY

- 1 INCREASE SURGE CAPACITY PER CODE
- 2 RECOAT OLD VACUUM SAND FILTER TO ADDRESS CORROSION
- 3 INSTALL COVERS ON VACUUM SAND FILTERS & OPEN SURGE TANK

PUMPS

- 1 PURCHASE BACK-UP PUMP FOR POOL RECIRCULATION & THE SPRAYGROUND FEATURES
- 2 INSTALL VACUUM/COMPOUND GAUGE ON SUCTION SIDE OF ALL PUMPS & A PRESSURE GAUGE ON EACH PUMP'S DISCHARGE
- 3 LAMINATE & WALL-MOUNT PUMP CURVE DATA FOR ALL PUMPS
- 4 BOND & GROUND ALL RECIRCULATION COMPONENTS PER CODE

WAVE SYSTEM

- 1 REPLACE AIR COMPRESSOR
- 2 ADD FLOOR SUPPORTS FOR EXISTING WAVE FANS OR REPLACE WAVE MAKING EQUIPMENT
- 3 REPLACE ACOUSTICAL BAFFLES WITHIN THE WAVE EQUIPMENT SPACE
- 4 MODIFY POOL DEPTH TO 5'-0" MAX.

MAKE-UP WATER

- 1 REPAIR CONCRETE POOL SHELL & INSTALL POOL LINER TO MINIMIZE WATER LOSSES
- 2 INSTALL AN AUTOMATED WATER LEVEL CONTROLLER TO MAINTAIN THE WATER AT THE GUTTER LEVEL
- 3 INSTALL A DEDICATED WATER METER TO MONITOR REGULAR WATER CONSUMPTION & TO ALERT STAFF WHEN THERE IS A PROBLEM

CHEMICAL TREATMENT

- 1 PURCHASE DEDICATED CHEMICAL CLOSET & EXHAUST INDEPENDENTLY TO THE EXTERIOR
- 2 PURCHASE CHEMICAL HAZARD SIGNAGE FOR CHEMICALS ON SITE & POST SAFETY DATA INFORMATION ON CHEMICAL ROOM DOORS PER CODE
- 3 FULLY SEAL EROSION FEEDERS, CHEMICAL PRODUCT CONTAINERS, & THE BULK ACID TANK
- 4 INSTALL ACID SCRUBBER ON THE TOP OF THE BULK TANK
- 5 INSTALL THREADED PIPE SADDLES AT POINT OF INJECTIONS FOR CHEMICALS INTO THE RECIRCULATION PIPING
- 6 REPLUMB THE CHEMICAL INJECTIONS WITH A SHORT RUN OF POLY TUBING & SCH 80 PVC
- 7 PURCHASE WATER-BASED FIRE EXTINGUISHERS TO REPLACE DRY A:B:C-TYPE
- 8 INSTALL CO2 ALARM FOR EMPLOYEE SAFETY

CHEMICAL CONTROLLER & WATER CHEMISTRY

- 1 PURCHASE A PHOTOMETRIC TEST KIT TO REPLACE EXISTING
- 2 INSTALL WIRELESS REMOTE ALERT TO PROVIDE INSTANT NOTIFICATIONS OF OUT-OF-RANGE CHEMISTRY PARAMETERS