CHEMKA POOL
STORM DAMAGE 2021
RECOVERY
CHEMKA POOL PARK
JUNE 2022

OWNER
VILLAGE OF HASTINGS-ON-HUDSON
DEPARTMENT OF PARKS AND RECREATION
HASTINGS ON HUDSON, NEW YORK 10706

ENGINEER
RIMKUNAS ENGINEERING, P.L.L.C.
AQUATIC ENGINEERING AND CONSTRUCTION MANAGEMENT
44 ELM STREET, SUITE 10
HUNTINGTON, NY 11743
631-470-6115

D.O.H. APPROVAL

NOTE:
N.T.S.
1036 G-001 TITLE SHEET
LOCATION PLAN

PROJECT LOCATION:
CHEMKA POOL PARK
HILLSIDE AVENUE
HASTINGS ON HUDSON, NY 10706

SERIES
NO.
CONTENTS

SERIES NO.
TITLE SHEET
1036

D.O.H. APPROVAL

REFERENCES

NOT INCLUDED
DRAWINGS
REFERENCE
MISCELLANEOUS PIPING AND ACCESSORY REPAIR
8-01
EXISTING MAIN POOL HYDRAULIC SCHEMATIC
8-02
EXISTING WADING POOL HYDRAULIC SCHEMATIC
8-03
EXISTING TRAINING POOL HYDRAULIC SCHEMATIC

ELECTRICAL SPECIFICATIONS
8-04

ELECTRICAL ONE-LINE DIAGRAM PANEL SCHEMATIC LIGHTING
8-05

ELECTRICAL DRAWING PLAN, PANEL SCHEMATIC LIGHTING
8-06

ELECTRICAL DESIGN AND PROPOSED PLAN
8-07

ELECTRICAL DESIGN AND PROPOSED PLAN
8-08

ELECTRICAL SPECIFICATIONS
8-09

ELECTRICAL DRAWING PLAN, PANEL SCHEMATIC LIGHTING
8-10

ELECTRICAL Piping SYSTEM
8-11

ELECTRICAL Piping SYSTEM
8-12

ELECTRICAL Piping SYSTEM
8-13

ELECTRICAL Piping SYSTEM
8-14

ELECTRICAL Piping SYSTEM
8-15

ELECTRICAL Piping SYSTEM
8-16

ELECTRICAL Piping SYSTEM
8-17

ELECTRICAL Piping SYSTEM
8-18

ELECTRICAL Piping SYSTEM
8-19

ELECTRICAL Piping SYSTEM
8-20

ELECTRICAL Piping SYSTEM
8-21
ALL VALVES SHALL BE TAGGED WITH 2" DIAMETER NON-CORROSIVE TAGS CODED AS PER DOH REQUIREMENTS.
ALTERNATE 3 - MANWAY HINGED FLOOD DOOR

MANWAY DOOR WITH COMPRESSION GASKET

FURNISH AND INSTALL HINGED WATERTIGHT MANWAY FLOOD DOOR. INSTALL MANWAY FLOOD DOOR IN CONTRACTOR'S FRAME, HINGED DOORS SHALL BE CONSTRUCTED OF STRUCTURAL STEEL."
Provide compound pressure/vacuum gauge at suction side of pump and pressure gauge at discharge side of pump.

No electrical wiring shall pass overhead within a 20 foot horizontal distance of the pool.

The Contractor shall provide the Owner with originals of all manufacturer's equipment warranties.

Unions or flanged connections on either side of equipment to permit its removal.

The pool is designed in accordance with the 2010 Americans with Disabilities Act (ADA) Standards for Accessible (Uniform Code), Part 1221, Section 1221.3 and are subject to approval by the local municipal code.

Pool alarms are required pursuant to Title 19 (NYCRR), Chapter XXXIII, State Fire Prevention & Building Code.

The Contractor shall be on site and available to provide assistance in operating the pool filtration system during pool operations.

The Contractor shall train the Owner's designated personnel using the O&M Manual in all of the pool operations.

Contractor shall provide the Owner with 2 bound Operation and Maintenance Manuals. Manuals shall be kept on premises.

The disinfectant storage container and the pH adjustment storage container must be distanced as much as feasible when located within the filter room.

Strainer cover shall be secured with "T" type handles and shall have a clear vision panel. Provide spare basket of the same size as basket shown on the hydraulic schematic.

All valves shall be tagged with 2" diameter brass tags labeled with the valve number that corresponds to the valve port number on the hydraulic schematic drawing for actual velocities.

Buried piping shall not be backfilled before it has been pressure tested and inspected by the DOH. Pressure tested before backfilling and backfilling must be performed by an electrician licensed in the project's jurisdiction.

Pipes shall be labeled and shall have flow arrows. Labels and flow arrows to be wrap-around type.

All exposed pipe shall be color coded in accordance with the Color Code Chart on the drawings.

Calculations on the hydraulic schematic drawing for actual velocities.

All buried pool piping shall be Schedule 80 PVC. Piping in equipment room shall be Schedule 40 PVC.
A page from a document containing a table and text. The table appears to be a summary of pool calculations, head loss summary, equipment list, and other related information. The text contains instructions and notes about the project, including the name of the engineering firm, Rimkus Engineering, P.L.L.C., and details about the pool equipment and calculations. The page also includes information about the alteration of the drawing and the signature of the professional engineer. The background image shows a drawing of a pool with various equipment and calculations.
Panels shall consist of an assembly of molded case circuit breakers and bus assembly installed in a
The branch circuit breakers, in general, shall be molded case, bolt-on type, thermal magnetic trip,

**SPECIFICATIONS**

**CIRCUIT BREAKERS**

- Panelboards shall be of non-current-carrying design and shall be properly marked and labeled according to the National Electrical Code (NEC).
- Panelboards and feeder pull boxes shall be grounded by means of insulated grounding conductors.

**CONDUCTORS**

- Conductors in troughs, pull boxes, gutters, etc. shall be identified by means of tags indicating both the circuit number and type of equipment to which they are connected.

**GROUNDING**

- The resistance to ground of any part or system specified to be grounded shall not exceed 25 ohms.

**IDENIFICATION AND TAGGING**

- Panelboards and feeder pull boxes shall be identified by nameplates, and the work shall be marked to conform to the specified codes and standards.

**DRAWINGS**

- Drawings shall be furnished to the owner or his representative in advance of work to be performed.

**QUALITY-OF-MATERIALS AND SAFETY**

- Materials shall be of the same type as specified in the drawings, and of proper size and type as required by the building and circuit conditions.

**GENERAL**

- Work shall be carefully laid out in advance to avoid unnecessary cutting, channeling, and roughing-in.

**SHOP DRAWINGS**

- Shop drawings shall be submitted to the owner or his representative in advance of work to be performed.

**PROJECT ENGINEER:**

- All work shall be performed in accordance with the owner's specifications and the engineer's instructions.

**DRAWING TITLE:**

- All drawings shall be submitted to the owner or his representative in advance of work to be performed.

**PROJECT:**

- All work shall be performed in accordance with the owner's specifications and the engineer's instructions.

**OWNER:**

- All work shall be performed in accordance with the owner's specifications and the engineer's instructions.

**CHEMKA POOL**

- All work shall be performed in accordance with the owner's specifications and the engineer's instructions.

**STORM DAMAGE 2021**

- All work shall be performed in accordance with the owner's specifications and the engineer's instructions.

**RECOVERY**

- All work shall be performed in accordance with the owner's specifications and the engineer's instructions.

**ELECTRICAL SPECIFICATIONS**

- All work shall be performed in accordance with the owner's specifications and the engineer's instructions.

**NOT TO SCALE**

- All work shall be performed in accordance with the owner's specifications and the engineer's instructions.

**NOT TO SCALE**

- All work shall be performed in accordance with the owner's specifications and the engineer's instructions.

**NOT TO SCALE**

- All work shall be performed in accordance with the owner's specifications and the engineer's instructions.

**NOT TO SCALE**

- All work shall be performed in accordance with the owner's specifications and the engineer's instructions.

**NOT TO SCALE**

- All work shall be performed in accordance with the owner's specifications and the engineer's instructions.
The electrical contractor shall disconnect and remove all existing wiring between the handhole and materials and equipment from the site and dispose of properly. They are not in contact with the wall.

The electrical contractor shall remove all wiring between the handhole and materials and equipment from the site and dispose of properly.

The electrical contractor shall disconnect and remove the two sets of pumps for removal by others.

The electrical contractor shall disconnect the pool recirculation panels and the like and to replace them with new as shown on the control diagram.

The electrical contractor shall disconnect and remove the two conductors at the utility transformer.

500MCM service conductors from the service end box in the filter room up to the utility pole.

Upon removal of the service conductors from the service conduits the conductors at the utility transformer.

The extent of the demolition work.

The electrical contractor shall affix his seal to the drawing in any way.

New York State Education Law for any alteration.

It is a violation of Section 7209 of the New York State Education Law for any person, unless he is acting under the direction of a licensed professional engineer, the altering engineer shall affix his seal to the drawing in any way. If the drawing is followed by his signature, the date of completion and his seal, it shall be considered as an alteration.
NOTES:
1. TYPICAL INSTALLATION FOR EACH OF THREE CHEMICAL CONTROL SYSTEMS:
   - MAIN POOL SYSTEM
   - TRAINING POOL SYSTEM
   - WADING POOL SYSTEM

2. SURGE TANK AND PROBES ARE LOCATED IN THE WATER LEVEL CONTROLLER JUNCTION BOX.

3. TO BE PROVIDED BY OTHERS, WIRING BY ELECTRICAL CONTRACTOR.

4. PROJECT: STORM DAMAGE 2021
   - CHEMKA POOL

5. OWNER:
   - HASTINGS-ON-HUDSON VILLAGE OF PARKS AND RECREATIONS
   - DEPARTMENT OF RECOVERY

6. DEPARTMENT OF PARKS AND RECREATIONS
   - CHEMKA POOL STORM DAMAGE 2021 RECOVERY
   - POOL CHEMICAL CONTROL DIAGRAMS

7. NOT TO SCALE

8. SCALE: 1/8" = 1'-0"
**DEMOHICATION NOTES:**

1. **SAWCUT TOP OF DRIVEWAY AT LOCATION SHOWN.**
2. **REMOVE EXISTING ASPHALT DRIVEWAY FROM SAWCUT DOWN TO CONCRETE FLOOR OF FILTER ROOM.**
3. **REMOVE TRENCH DRAIN; PROTECT EXISTING PIPE EXITING TRENCH FOR NEW CONNECTION.**
4. **PROTECT EXISTING CONCRETE CURB AND RETAINING WALL.**
5. **CHLORINE TANK OVERFILL ALARM TO REMAIN IN PLACE.**
6. **TANK FILL PORT TO REMAIN IN PLACE.**
7. **REMOVE EXISTING CHAINLINK FENCE GATES TO FILTER ROOM.**
8. **FILTER ROOM CURB AND FROST JUXTAPOSED TO TOP OF DRIVEWAY TO FILTER ROOM.**
9. **CONCRETE CURB REMAIN IN PLACE.**

**SCALE: 1" = 4'-0"**

**DEPARTMENT OF PARKS AND RECREATIONS**

**CHEMKA POOL STORM DAMAGE 2021 RECOVERY**

**TRANSFER PAD SITE DEMOLITION**

**PROJECT NUMBER: 1148**

**PROJECT ENGINEER:** Aquatic Engineering & Construction Management

**OWNER:** Hastings-On-Hudson

**VILLAGE OF HASTINGS-ON-HUDSON**

**Rimkus Engineering, P.L.L.C.**

**631.470.6115**

**44 Elm Street, 10 Huntington New York 11743**

**DATE:** 6/03/2022
PROPOSED NOTES:

1. Pour new concrete transfer pad to match existing grade.
2. Provide bentonite waterstop between new concrete and existing concrete curb.
3. Pour and install new trench drain slabs over existing trench drain slab.
4. Furnish and install 8" buried gate valve at end of existing trench drain discharge pipe.
5. Furnish and install new trench drain for new chemical transfer pad.
6. Pour new concrete transfer pad aligned to new concrete with existing concrete.
7. Install new chain link fence gates to filter room.
8. Provide new warning sign directing valve to be closed during chemical transfer.
9. Provide new warning sign directing filter room entrance to be closed during chemical transfer.

SCALE AS SHOWN

CONSTRUCTION NOTES AND WARNING SIGN

SCALE: N.T.B.

TRANSFER PAD PROPOSED PLAN

SCALE: 1" = 4'-0"