

**PUMP STATION SPECIFICATIONS:**

**NAME:** HERITAGE GOLF COURSE

**STATION MODEL:**

HCLVE-1-50X2/10VMSV-460-3-1100-110

**STATION TOTAL PERFORMANCE:**

1100 GPM @ 110 PSI

**PUMP HORSEPOWER:**

JOCKEY: 10HP

PUMP NO.2-3: 50HP

**CHECK VALVE SIZE**

JOCKEY: 2"

PUMP NO.2-3: 5"

**ISOLATION VALVE SIZES:**

JOCKEY: 2"

PUMP NO.2-3: 5"

**DISCHARGE ISOLATION VALVE:** 8"

**RELIEF VALVE SIZE:** 3"

**PUMP STATION DISCONNECT:** 200 AMP

**POWER REQUIREMENTS:**

460V, 60 HZ, 3 PZ, 127 FLA

**EXHAUST FAN REQ'D FOR BUILDING:**

1870 CFM

**WET WELL DIMS:** ..... N/A

**WET WELL DEPTH:** ..... N/A

**MAIN LINE CONNECTION:** .... 8" FL

**NOMINAL PIPE SIZE:** ..... N/A

**ACTUAL O.D.:** ..... N/A

**TYPE:**

**DROP PIPE COVER:** ..... 38" T&D

**INTAKE FLUME SIZE:** ..... N/A

**INTAKE FLUME MATERIAL:** ..... N/A

**PLEASE VERIFY ALL INFO WITH  
YOUR INITIALS AND DATE**

**INITIAL** **DATE**

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1/6/2021

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**PLEASE INDICATE POWER SUPPLY CONDITION BELOW FOR  
FCC COMPLIANCE. REFER TO WATERTRONICS DRAWING #  
FCC-1 FOR ADDITIONAL INFORMATION**

- ☐ A: CONNECTED THROUGH A COMMERCIAL BUILDING
- ☒ B: CONNECTED THROUGH A DEDICATED TRANSFORMER
- ☐ C: CONNECTED THROUGH A PAD TRANSFORMER SHARED  
WITH OTHER NON-RESIDENTIAL EQUIPMENT.
- ☐ D: CONNECTED TO A POLE TRANSFORMER ON A  
RESIDENTIAL POWER GRID.
- ☐ E: CONNECTED TO A PAD TRANSFORMER SHARED WITH  
RESIDENTIAL DWELLINGS.

**PLEASE USE THE SPACE BELOW FOR ANY ADDITIONAL COMMENTS:**

☐ APPROVED AS SUBMITTED

☒ APPROVED AS NOTED

☐ REVISE AND RESUBMIT

**REVIEWED BY:** Amel C. Lopez

**NAME:** Gabriel Lopez

**DATE:** JAN 6, 2021

**DIMENSIONS AND SIZES OF EXISTING STRUCTURES, AND/OR COMPONENTS  
MUST BE VERIFIED TO WATERTRONICS BEFORE STATION CONSTRUCTION  
BEGINS.**

**UNLESS SPECIFIED BY THE CUSTOMER, PUMP HOUSE/CONCRETE SLAB  
DIMENSIONS ARE RECOMMENDED MINIMUMS FOR NEC AND SERVICE  
CLEARANCE, AND ARE FOR ILLUSTRATION PURPOSES ONLY. PROJECT  
MANAGER SHALL BE CONSULTED ON FINAL DESIGN.**

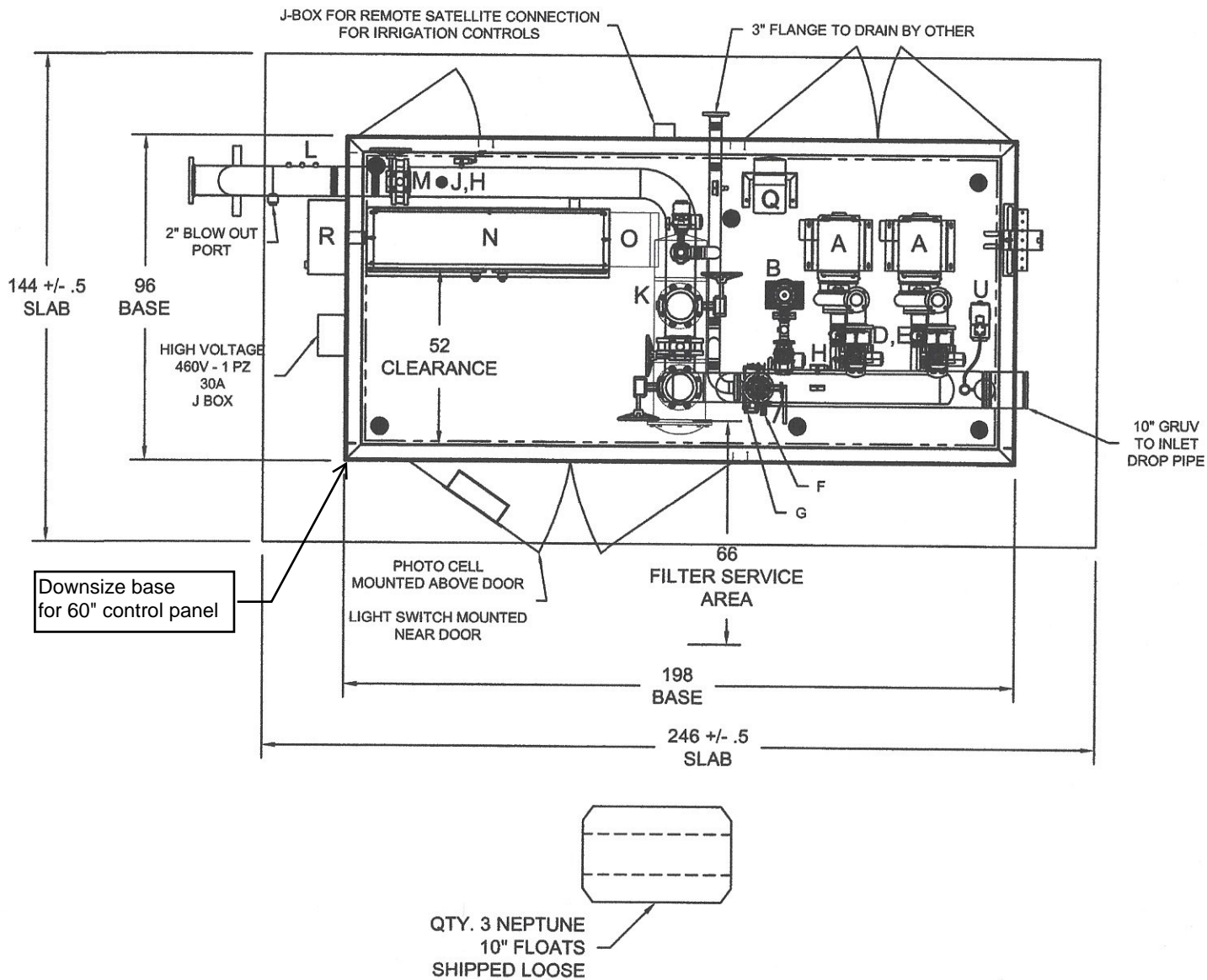
**THE PUMP STATION PROPOSED HEREIN IS DESIGNED TO BE PLACED IN A  
PUMP HOUSE FOR PROTECTION FROM THE ENVIRONMENT. IF A PUMP HOUSE  
IS NOT USED, WATERTRONICS MUST BE NOTIFIED AT TIME OF QUOTATION  
SO SPECIAL PROVISIONS CAN BE MADE.**



PHONE: 1-262-367-5000  
FAX: 1-262-367-5551

**SHEET 1 OF 3 SHEETS**

**DRAWING NO. PRHC10961 (R4) 1/5/2021**



- STATION COMPONENTS:**
- A 50HP PUMP AND MOTOR
  - B 10HP JOCKEY PUMP AND MOTOR
  - C N/A
  - D CHECK VALVE
  - E PUMP ISOLATION VALVE W/ EBV
  - F BOILER DRAIN
  - G PRESSURE RELIEF VALVE
  - H PRESSURE TRANSDUCER W/ GAUGE
  - I PAINTED STEEL BASE (SANDSTONE)
  - J DI FLOW SENSOR
  - K V1000NB-8 W/ 300 MIC SCREEN
  - L 3-3/4" TOL FOR FERTIGATION
  - M STATION ISOLATION VALVE
  - N CONTROL CABINET
  - O AIR CONDITIONER
  - P CSM ENCLOSURE (PAINT SANDSTONE)
  - Q 5KVA LOAD CENTER
  - R 200A EXTERNAL FUSED DISCONNECT
  - S N/A
  - T N/A
  - U VACUUM PRIME


**CONCEPT DRAWING ADDITIONAL INFORMATION**

**DISCHARGE VALVE SIZE:** 8"  
**ESTIMATED DISCONNECT:** 200 AMPS  
**JOCKEY SEQUENCE #3 - 100 GPM @ 110 PSI**

*OK  
 GCL  
 1/6/2021*


**CONCEPT DRAWING ONLY  
 NOT TO BE USED FOR CONSTRUCTION**

**PLAN VIEW**

7						DRAWN BY: CSB	DATE: 9/30/2020	TITLE:  HERITAGE GOLF COURSE HCLVE-1-50X2/10VMSV-460-3-1100-110	
6						CHECKED BY: WTS	DATE: 9/30/2020		
5						THIS DRAWING AND DESIGN, IS THE PROPERTY OF WATERTRONICS AND IS NOT TO BE REPRODUCED IN WHOLE OR PART, NOR EMPLOYED FOR ANY PURPOSE OTHER THAN SPECIFICALLY PERMITTED IN WRITING BY WATERTRONICS. THIS DRAWING LOANED AND SUBJECT TO RETURN ON DEMAND		 <b>WATERTRONICS</b>	
4	12/31/2020	CSB	UPDATE SUCTION LINE AND ADD INLET DROP PIPE						
3	12/29/2020	CSB	UPDATE STATION DISCHARGE						
2	12/16/2020	CSB	UPDATE STATION FLOW AND JOCKEY						
1	10/1/2020	CSB	UPDATE SUCTION INTAKE AND ADD J BOX						
NO.	DATE	BY	DESCRIPTION			CHK DATE	CHK BY	SCALE: NTS	SHEET 2 OF 3 SHEETS
								JOB NO.: —	DRAWING NO. PRHC10961



A detailed cross-sectional diagram of a pump assembly. The assembly is housed within a rectangular enclosure with a hatched roof section labeled 'P'. Inside the enclosure, there is a control cabinet labeled 'R' on the left and a pump unit labeled 'K' on the right. The pump unit includes two main pumps, various valves, and piping. A red box with the text 'Add 1" Fill Port' and a red arrow points to a location on the right side of the pump unit. The entire assembly is mounted on a base labeled 'I'. On the left side, a pipe exits the enclosure, labeled '8" FLANGE' at its end. A dimension line indicates a height of  $(98\frac{1}{2})$  from the base to the top of the enclosure. A handwritten 'TBD' is next to the '8" FLANGE' label. On the right side, another pipe exits the enclosure, labeled '10" FLANGE TO SUCTION LINE' at its end. A dimension line indicates a height of 'TBD' from the base to the top of this pipe. Another dimension line indicates a distance of 'TBD' from the right side of the enclosure to the 10" flange. A dimension line indicates a distance of 'TBD' from the right side of the enclosure to the 8" flange. A dimension line indicates a distance of 'TBD' from the right side of the enclosure to the 10" flange. A dimension line indicates a distance of 'TBD' from the right side of the enclosure to the 10" flange.

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