

PUMP STATION SPECIFICATIONS:

NAME: VANDERBILT GC

STATION MODEL:

VTV-1-75x4/5ST-460-3-3200-110

STATION TOTAL PERFORMANCE:

3200 GPM @ 110 PSI

PUMP HORSEPOWER:

SUSTAIN PUMP: 5HP

PUMP NO.1-4: 75HP

CHECK VALVE SIZE

SUSTAIN: 2"

PUMP NO.1-4: 6"

ISOLATION VALVE SIZES:

SUSTAIN PUMP: 2"

PUMP NO.1-4: 5"

DISCHARGE ISOLATION VALVE: 10"

RELIEF VALVE SIZE: 6"

PUMP STATION DISCONNECT: 600 AMP

POWER REQUIREMENTS:

460V, 60 HZ, 3 PZ, 375 FLA

EXHAUST FAN REQ'D FOR BUILDING:

5100 CFM

WET WELL DIMS: ~~Ø84"~~ 72

WET WELL DEPTH: 192"

MAIN LINE CONNECTION: 10" FL

NOMINAL PIPE SIZE: N/A

ACTUAL O.D.: N/A

TYPE:

DROP PIPE COVER: N/A

INTAKE FLUME SIZE: N/A

INTAKE FLUME MATERIAL: N/A

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

INITIAL DATE

**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 _____

NAME:  By Greg Salisbury at 10:27 am, 11/18/20

DATE: _____

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.



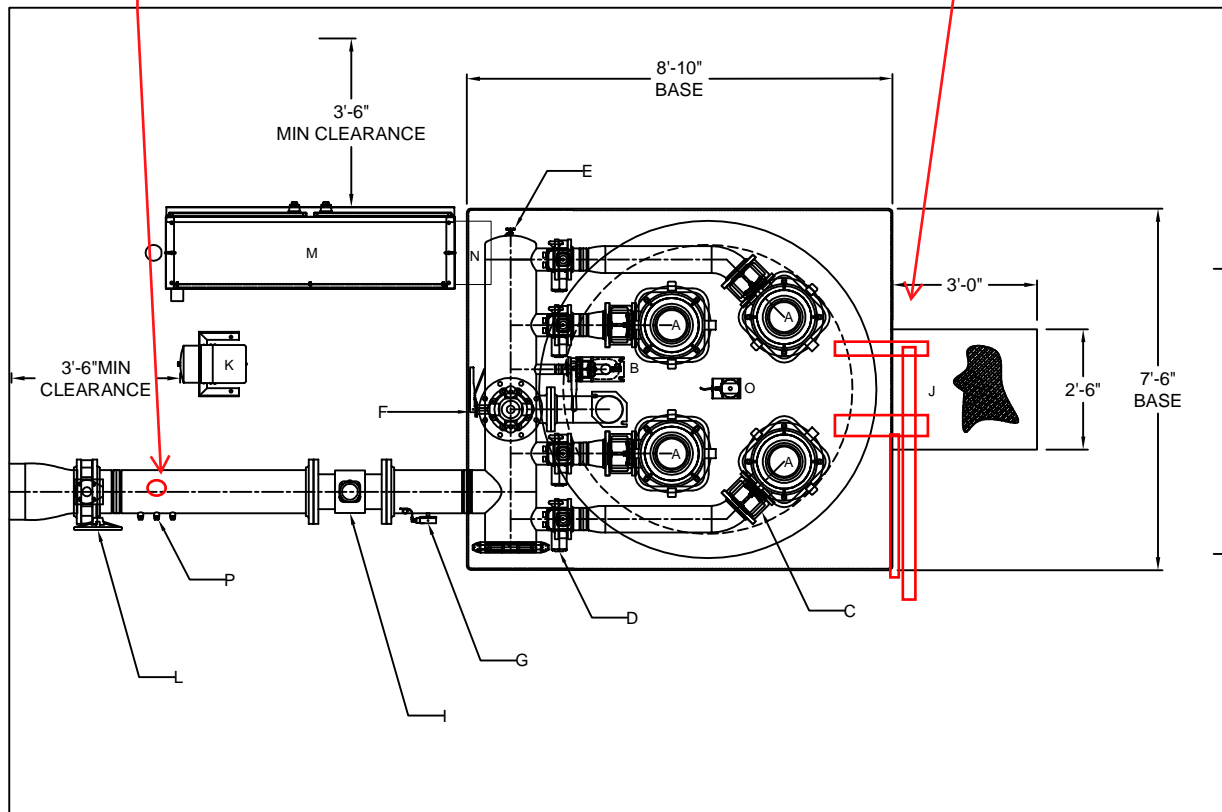
PHONE: 1-262-367-5000
FAX: 1-262-367-5551

SHEET 1 OF 4 SHEETS

DRAWING NO. PRVT12583 10/26/2020

Add 2" TOL for existing fert flowmeter

show 2" pvc for chlorine treatment attached to side of skid with 2 holes in skid if box frame allows access to wet well.



STATION COMPONENTS:

- A 75HP PUMP AND MOTOR
- B 5HP PRESSURE MAINTENANCE PUMP
- C CHECK VALVE
- D PUMP ISOLATION VALVE W/ ACTUATOR
- E BOILER DRAIN
- F 6" PRESSURE RELIEF VALVE
- G PRESSURE TRANSDUCER W/ GAUGE
- H PAINTED STEEL BASE (GREEN)
- I 10 "ELECTROMAGNETIC FLOW METER
- J OFF SKID ACCESS HATCH
- K OFF SKID 5KVA LOAD CENTER
- L STATION ISOLATION VALVE
- M CONTROL CABINET
- N HEAT EXCHANGER
- O LEVEL SENSOR
- P 3-3/4" TOL

CONCEPT DRAWING ADDITIONAL INFORMATION

WET WELL DIAMETER: ~~084~~ 72
WET WELL DEPTH: 192"
DISCHARGE VALVE SIZE: 10"
ESTIMATED DISCONNECT: 600AMPS

CONCEPT DRAWING ONLY
NOT TO BE USED FOR CONSTRUCTION

PLAN VIEW



DRAWN BY: CSB DATE: 10/26/2020

CHECKED BY: --- DATE: 00/00/00

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

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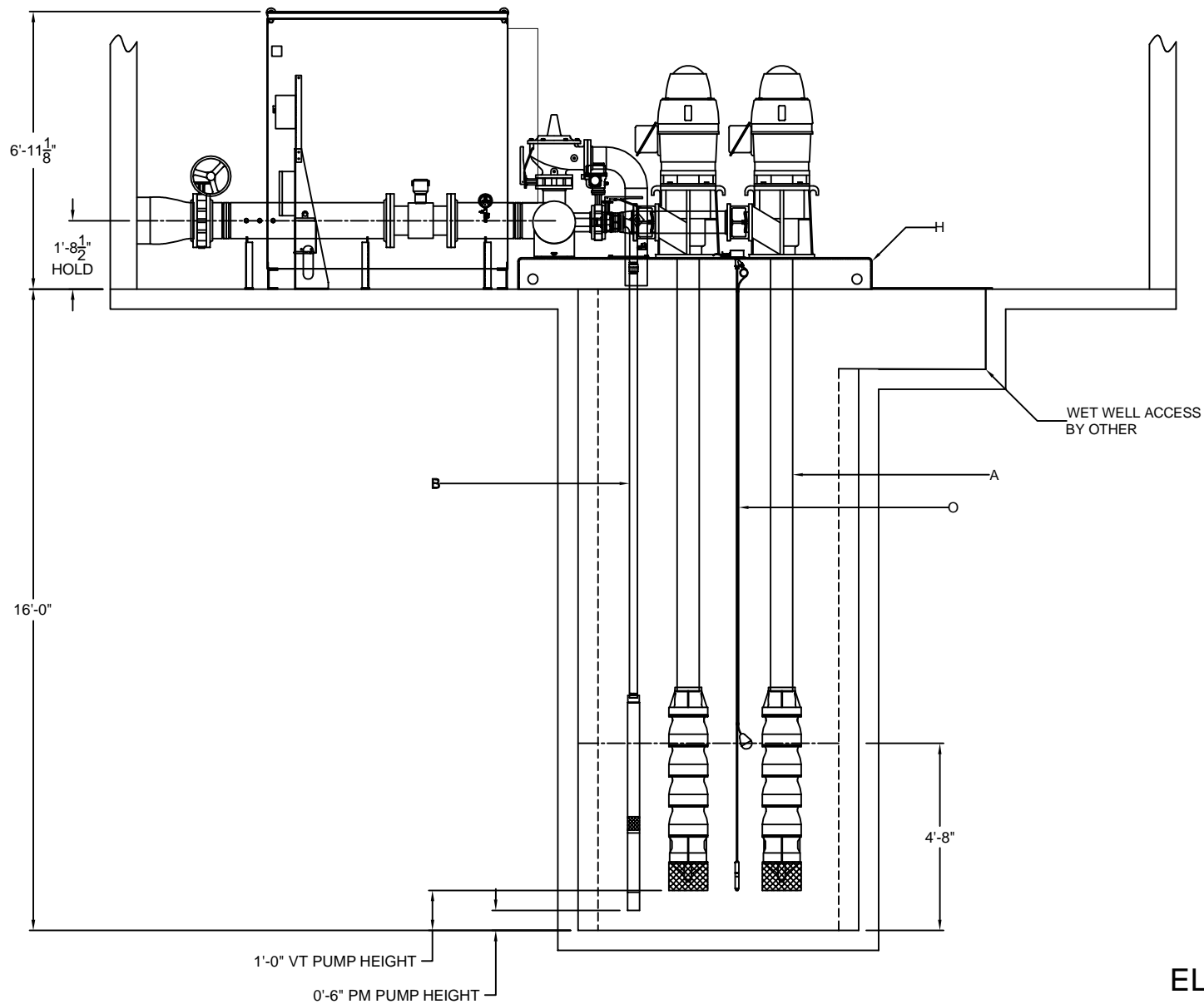
VANDERBILT GC
VTV-1-75x4/5ST-460-3-3200-110



SCALE: NTS SHEET 2 OF 4 SHEETS

JOB NO.: --- DRAWING NO. PRVT12583

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ELEVATION VIEW

APPROVED

By Greg Salisbury at 10:43 am, 11/10/20

DRAWN BY: CSB DATE: 10/26/2020

CHECKED BY: --- DATE: 00/00/00

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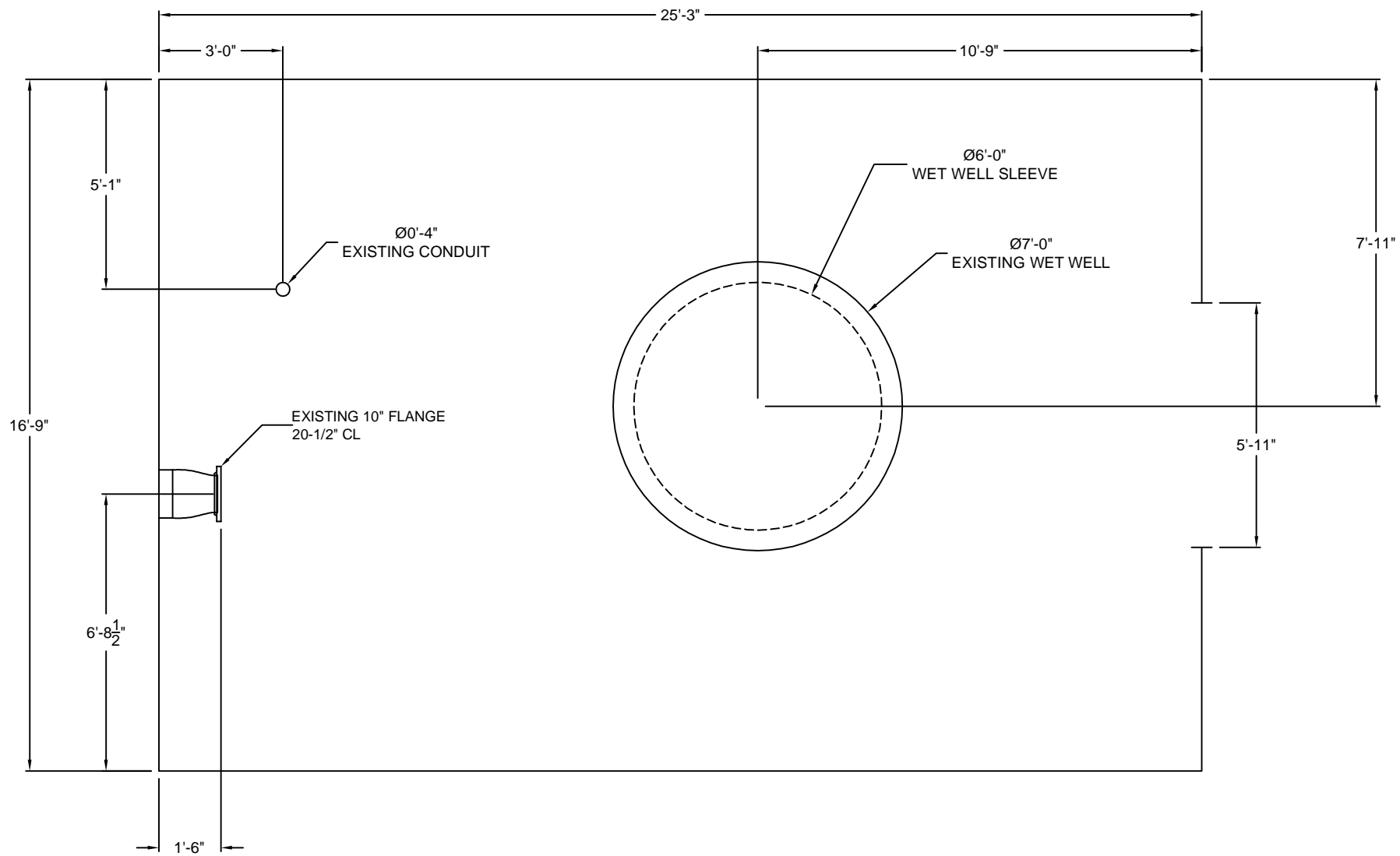
SCALE: NTS

SHEET 3 OF 4 SHEETS

JOB NO.:

DRAWING NO. PRVT12583

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SLAB VIEW



7						DRAWN BY: CSB	DATE: 10/26/2020	TITLE:
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