

STATION MODEL:
WATERTRONICS VTV-1-60x2/5ST-480-3-1350-92
OR APPROVED EQUAL

STATION TOTAL PERFORMANCE:
1350 GPM @ 92 PSI

PUMP HORSEPOWER:
SUSTAIN PUMP: 5HP (3600RPM, 233TDH)
PUMP NO.1-2: 60HP (1800RPM, 233TDH)

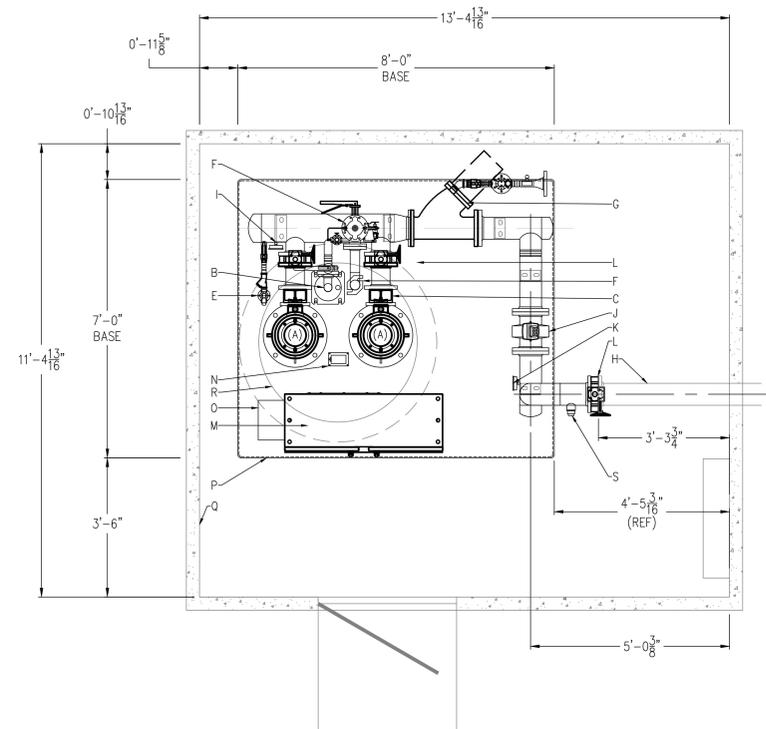
CHECK VALVE SIZE:
SUSTAIN: BUILT IN PUMP
PUMP NO.1-2: 6"

ISOLATION VALVE SIZES:
SUSTAIN PUMP: 2"
PUMP NO.1-2: 5"
DISCHARGE ISOLATION VALVE: 6"
RELIEF VALVE SIZE: 3"

ELECTRICAL REQUIREMENTS:
PUMP STATION DISCONNECT: 200 AMP
POWER REQUIREMENTS: 480 V, 60 HZ, 3 PHZ, 166 FLA
EXHAUST FAN REQUIREMENTS FOR BUILDING: 2040 CFM

STATION COMPONENTS:
A 60HP VT PUMP AND MOTOR
B 5HP SUBMERSIBLE PUMP AND MOTOR
C SILENT CHECK VALVE
D PRESSURE RELIEF VALVE
E 8" WYE STRAINER
F PRESSURE TRANSDUCER WITH LIQUID FILLED PRESSURE GAUGE
G N/A
H HOSE BIB CONNECTION
I STATION ISOLATION VALVE
J HEAT EXCHANGER
K CONTROL CABINET
L PUMP ISOLATION VALVE
M LEVEL SENSOR W/ FLOAT
N WELL HATCH
O INJECTION PORTS (3) 3/4"
P 6" MAGNETIC FLOW METER
Q POWDER COATED PUMP SKID
R 1-1/2" INTAKE RETURN LINE W/ ELECTRIC VALVE
S CLEMONS CW1700 (12 MESH) ROTATING INLET SCREEN & CONTROLS (NOTE: INTAKE FLUME DIAMETER AND MATERIAL REQ'D)
T 2" FIPT PORT WITH BRASS VALVE
U 8" FLA x 12" MALE D.I. ADAPTER W/ RESTRAINT SYSTEM
V 8" FLA DI DROP PIPE
W 12" PVC MAINLINE (BY OTHERS)
X PRESSURE TRANSDUCER

GENERAL NOTES:
1. THE PUMP STATION SHALL BE IEEE-519 COMPLIANT.
2. PUMP SKID LAYOUT IS CONCEPTUAL ONLY. PUMP MANUFACTURE SHALL SUBMIT COMPLETE PUMP SKID AND PUMP CONTROL PANEL SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTING THE PUMP STATION.
3. DIMENSIONS ARE APPROXIMATE. PUMP MANUFACTURER SHALL VERIFY EXISTING DIMENSIONS OF EXISTING PUMP HOUSE AND PROVIDE SHOP DRAWING PRIOR TO CONSTRUCTING AND INSTALLING PUMP STATION.
4. FINAL PRODUCT AS INSTALLED SHALL MEET MINIMUMS FOR NEC AND SERVICE CLEARANCE.
5. ELECTRICAL COMPONENTS AND SYSTEM SHALL BE THOSE APPROVED BY THE LOCAL UTILITY COMPANY.
6. PUMP SKID SHALL BE DELIVERED AND INSTALLED BY PUMP MANUFACTURER AND IT'S REPRESENTATIVES.
7. ALL ELECTRICAL CONDUIT AND CONNECTIONS FROM PUMP CONTROL PANEL TO PUMPS SHALL BE PROVIDED AND INSTALLED BY PUMP MANUFACTURER.
8. THE ELECTRICAL CONTROL PANEL ASSEMBLY SHALL BE UL LISTED.
9. PREMIUM 480/120/24 VOLT SURGE PROTECTION SHALL BE INCLUDED.



STATION MODEL:
WATERTRONICS VTV-1-30x2/5ST-480-3-750-92
OR APPROVED EQUAL

STATION TOTAL PERFORMANCE:
750 GPM @ 92 PSI

PUMP HORSEPOWER:
SUSTAIN PUMP: 5HP
PUMP NO.1-2: 30HP

CHECK VALVE SIZE:
SUSTAIN: BUILT IN PUMP
PUMP NO.1-2: 4"

ISOLATION VALVE SIZES:
SUSTAIN PUMP: 2"
PUMP NO.1-2: 4"
DISCHARGE ISOLATION VALVE: 6"
RELIEF VALVE SIZE: 2-1/2"

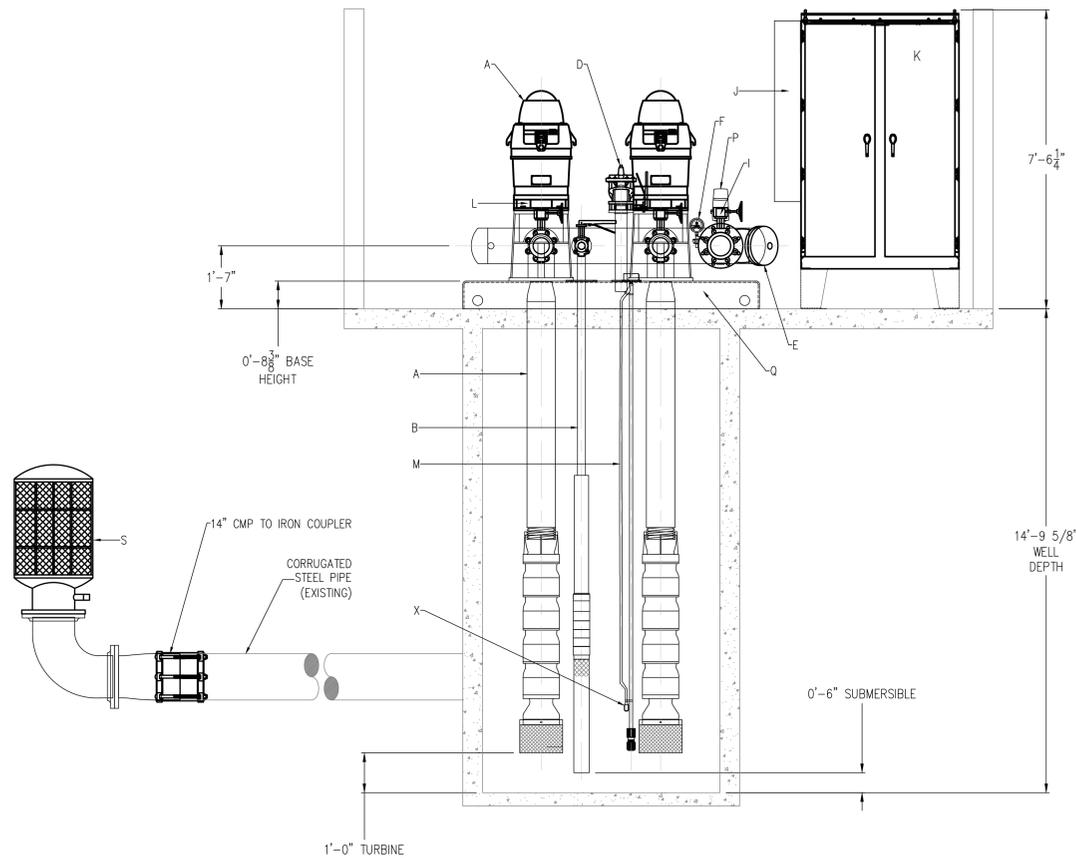
ELECTRICAL REQUIREMENTS:
PUMP STATION DISCONNECT: 200 AMP
POWER REQUIREMENTS: 480 V, 60 HZ, 3 PHZ, 95 FLA

STATION COMPONENTS:
A 30HP VT PUMP AND MOTOR
B 5HP SUBMERSIBLE PUMP AND MOTOR
C SILENT CHECK VALVE
D 2" WYE STRAINER FLUSH W/ELECTRIC VALVE
E 1.5" INTAKE SCREEN RETURN LINE W/ ELECTRIC VALVE
F PRESSURE RELIEF VALVE 2-1/2"
G 6" WYE STRAINER
H EXISTING 6" FLANGED DISCHARGE
I PRESSURE TRANSDUCER W/ GAUGE
J MAGNETIC FLOW METER 6"
K PRESSURE GAUGE
L 6" ISOLATION VALVE
M CONTROL CABINET
N LEVEL SENSOR
O HEAT EXCHANGER
P POWDER COATED PUMP SKID
Q EXISTING PUMP HOUSE
R EXISTING WET WELL
S 2" FIPT PORT WITH BRASS VALVE
T PRESSURE TRANSDUCER

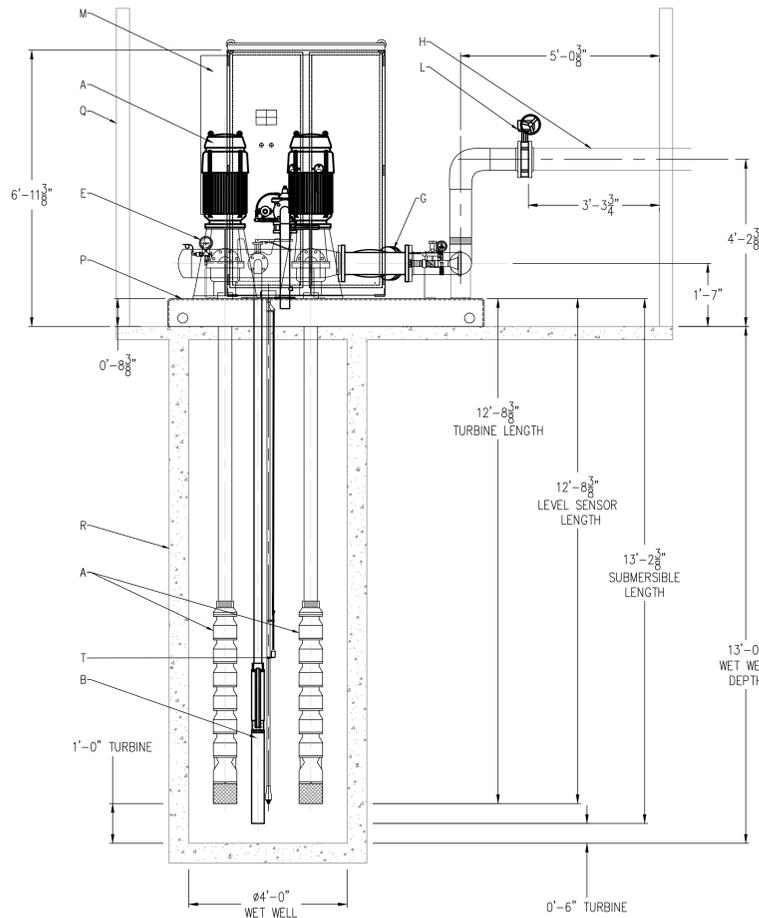
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1 FRONT 9 PUMP STATION - PLAN VIEW
NTS

3 BACK 9 PUMP STATION - PLAN VIEW
NTS



2 FRONT 9 PUMP STATION - ELEVATION
NTS



4 BACK 9 PUMP STATION - ELEVATION
NTS