

NOTE: SUCTION PIPE SHALL BE SCHED 40 GALVANIZED STEEL WITH GALVANIZED ROLL GROOVE FITTINGS FROM THE PUMP TO THE WELL TEE. CHECK VALVES 3" AND LARGER SHALL BE SWING TYPE, 2" AND SMALLER SHALL BE POPPET STYLE

PROVIDE MINIMUM OF 4' CLEARANCE ON ALL SIDES OF PUMP SYSTEM

* FEATURES ARE INCLUDED IF MARKED WITH AN "X"

- X VARIABLE FREQUENCY DRIVE
- ___ IRRIGATION CONTROLLER WITH RAIN SENSOR ON 8' POLE.
- X PRESSURE TANK FOR PRESSURE DEMAND SYSTEMS

SAFETY FEATURES
PRESSURE DEMAND:
-TRANSIENT SURGE
-LOSS OF PRIME
-HIGH FLOW
-PUMP THERMAL
-SERVICE REQUIRED

LOCKABLE HANDLE

48"X48"ALUMINUM SKID

CONTROL PANEL ASSEMBLY (U.L. LISTED) MAINTAIN 42" CLEARANCE

FLOW METER

MASTER VALVE

IRRIGATION MAIN DISCHARGE ISOLATION VALVE

JUNCTION BOX WITH 110VAC POWER AND MASTER VALVE WIRES FOR CUSTOMER FURNISHES AND INSTALLED IRRIGATION CONTROLLER, CONNECTION BY IRRIGATION CONTRACTOR.

CHECK VALVE

WELL TEE BY WELL DRILLER WITH 316 STAINLESS STEEL SCREEN IN WELL TEE MINIMUM 6' DIAMETER WELL CASING

-SERVICE REQUIRED

FIBERGLASS REINFORCED ENCLOSURE 4'L X 4'W X 4'H CLAM SHELL DESIGN FOREST GREEN GELCOAT STIPPLED FINISH

VARIABLE FREQUENCY DRIVE

PRESSURE TANK

4' THICK 53 1/2" X 53 1/2" REINFORCED CONCRETE PAD

CENTRIFUGAL PUMP 10 HP (HIGH EFFICIENCY TEFC MOTOR)

PRESSURE TRANSDUCER

FLOW SWITCH

GALV. STEEL DISCH. HDR.

4" SUCTION LINE

PLAN VIEW NTS

ELECTRIC SERVICE TO BE, IN ORDER OF PREFERENCE:
460V 3-PHASE, 230V CLOSED-DELTA 3-PHASE, 208 WYE 3-PHASE,
230 1-PHASE, 208V 1-PHASE, 230 OPEN-DELTA 3-PHASE.

PUMP PERFORMANCE
150 GPM @ 165 TDH, 60 PS

HOOVER PUMPING MODEL: HCF-10PDV-230/3-M,W,Z
Pompano Beach, Florida, Tel: 954-971-7350

CENTRIFUGAL PUMP SYSTEM DETAIL
FIBERGLASS ENCLOSED SINGLE WELL SUCTION
PRESSURE DEMAND VARIABLE FREQUENCY DRIVE
HOOVER GREEN

*OR APPROVED EQUAL

Michael D Grosswirth

Digitally signed by
Michael D Grosswirth
DN: c=US, o=THOMAS
ENGINEERING GROUP
LLC,
ou=A01410C000001720
E31831F0000EFAC,
cn=Michael D Grosswirth
Date: 2022.07.19
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BROWARD COUNTY HIGHWAY CONSTRUCTION AND
ENGINEERING DIVISION

☐ PLAN CONSISTENT
WITH PLAT REQUIREMENTS

☐ PUBLIC RIGHT OF WAY APPROVAL
FOR PAVING, GRADING AND DRAINAGE

BY: _____ DATE: _____

DOES NOT INCLUDE APPROVAL
OF PAVEMENT MARKING & SIGNS

PZ22-12000027
 AUTHORIZED BY MICHAEL D. GROSS WIRTH, LA6666871
 8/17/2022

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY MICHAEL D. GROSS WORTH, LA6666871 ON 2022-07-15

