





DESIGN CRITERIA

Controls <u>TELEMETRY</u>

Power Service: 480 Volts, 3 Phase, 60 Cycle

PUMP DATA

Type: HORIZ., CLOSE CPLD., END SUCTION Pump 1 & 2 (PRESENT) Capacity: 47Ò G.P.M. AT 84 FEET T.D.H.

Size: 4" X 6" X 12" Motor: 20 H.P., 1800 R.P.M.

Pump 1 & 2 (FUTURE) Capacity: 680 G.P.M. AT 138 FEET T.D.H. Size: 4" X 6" X 12" Motor: 50 H.P., 1800 R.P.M.

> RECORD DRAWING GRW Engineers, Inc.

This drawing has been revised from the original contract drawings to show minor/ major changes made during construction. This drawing is not warranted to be complete and accurate in all respects. Date: <u>5/2004</u> By: <u>MSB</u>

PLAN

MIN. CLEARANCE ALLOWED PER SECTION 110-26 OF THE/

NATIONAL ELECTRICAL CODE

SMOKE

ALARM-

(PRESENT)

(FUTURE)

____PUMP #1

TRANSFORMER

2 1/2" METER TEST PORT-

LIGHT

DOUBLE DOORS WITH WINDOW -

3 EACH —

___PUMP #2

(PRESENT)

8" MAIN OUTLET

CHLORINE

RESIDUAL

ANALYZER

ALL PIPING AND EQUIPMENT WILL BE ADEQUATELY SUPPORTED AND BRACED.

CONCRETE FOUNDATION & PIPING CONNECTIONS BY CONTRACTOR F-1.

DEHUMIDIFIER MUST BE POWERED UP AND TURNED ON IMMEDIATELY AFTER THIS STATION IS SET IN PLACE.

DO NOT SHIM STATION. IT IS INTENDED THAT THE MAIN FLOOR MEMBERS BE IN CONTINUOUS CONTACT WITH THE CONCRETE PAD.

ASTM REQUIREMENTS FOR STEEL ARE AS FOLLOWS: PLATE STEEL = ASTM A-36 AND STRUCTURAL STEEL = ASTM A-36.

PUMP STATION SUPPLIED BY OWNER FOR INSTALLATION BY CONTRACTOR F-1. APPROXIMATE WEIGHT: 22,500± LBS.

(FUTURE) -

HVAC UNIT

DEHUM.

‼ PUMP #2

4'-3"

├─[₩] (FUTURE)

INTRUSION ALARM-

					 -
LEGEND:					
FCA — FLANGED COUPLING ADAPTER RFA — RESTRAINED FLANGE ADAPTER	·				1
EPC - ELASTOMER PIPE CONNECTOR					DIVISION "
	1	AS-BUILT REVISIONS	5/2004	MSB	

DESCRIPTION

REVISIONS

►H.W.L. ALARM

-MIN. 3 PIPE⊥

6" GATE VALVE

L 2"ø CONDUIT

1/2" B'FLY VALVE

- 2 1/2" OUTLET

TO ÁTMOSPHERE

-EMERGENCY GENERATOR RECEPTACLE

DATE BY

GRW PROJECT NO. 2745-04

(SHIP LOOSE)

DIA.=18"

6" STRAINER

STARTER-

TRANSFER

TELEMETRY/

CONTROL

1"ø CONDUIT-

PANEL -

SWITCH

HOOSIER HILLS REGIONAL WATER DISTRICT

"F" WATERWORKS SYSTEM IMPROVEMENTS CONTRACT F-1 PIERCEVILLE PUMP STATION PLAN AND SECTIONS

No. 19300607 * STATE OF STATE	

	DRAWN:
	BJD
	FILE NAME:
GRW Engineers, Inc.	SHEET544-F1.D
Engineers, Architects, Planners	CHECKED:
INDIANAPOLIS, INDIANA	
LOUISVILLE & LEXINGTON, KENTUCKY CINCINNATI, OHIO NASHVILLE, TENNESSEE ARLINGTON. TEXAS	APPROVED:

JULY 2002

SHEET NO.

544

SCALE: NONE