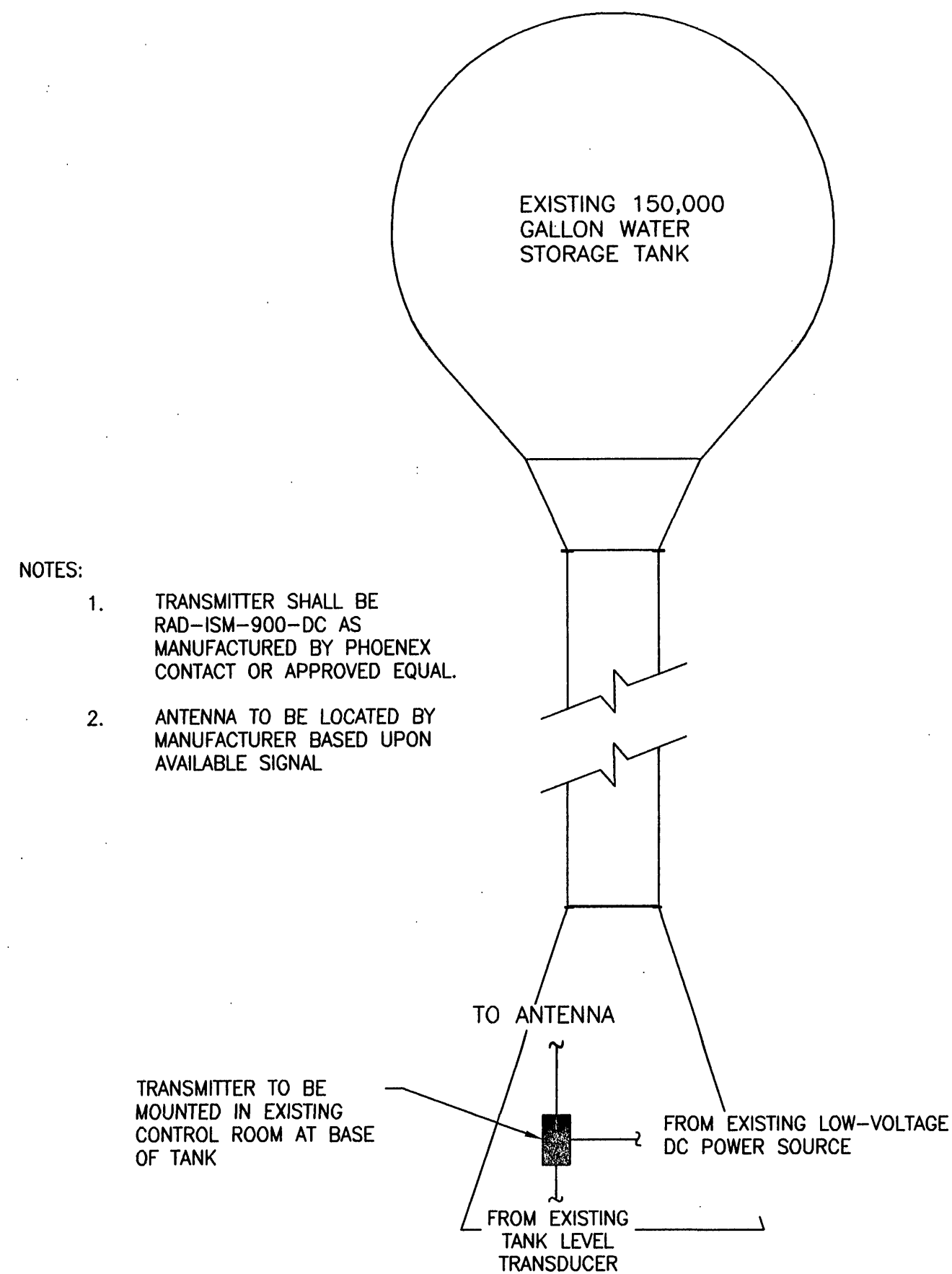
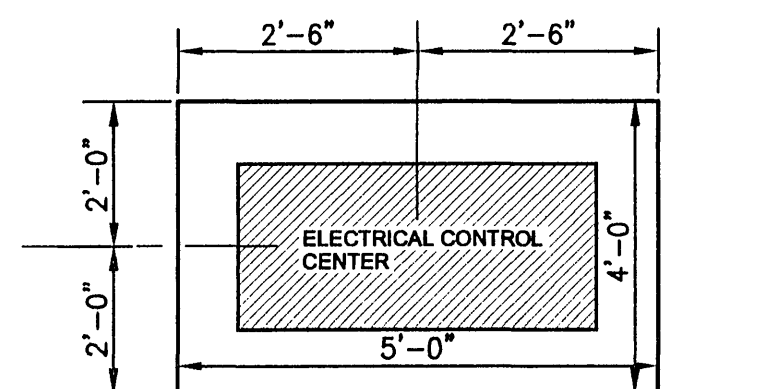




- NOTES:
1. TRANSMITTER SHALL BE RAD-ISM-900-DC AS MANUFACTURED BY PHOENIX CONTACT OR APPROVED EQUAL.
 2. ANTENNA TO BE LOCATED BY MANUFACTURER BASED UPON AVAILABLE SIGNAL.

TELEMETRY SYSTEM SCHEMATIC DIAGRAM

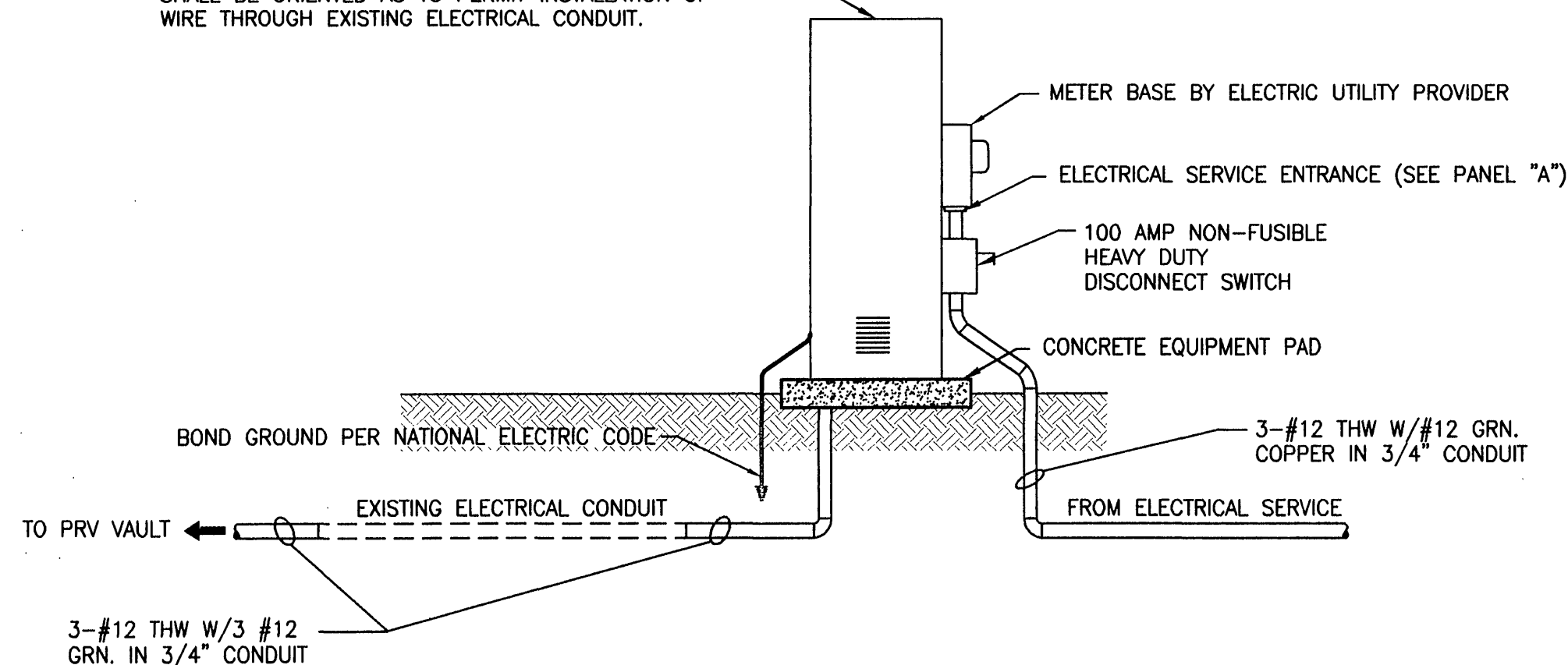
NOT TO SCALE



PLAN / SECTION - ELECTRICAL CONTROL CENTER PAD

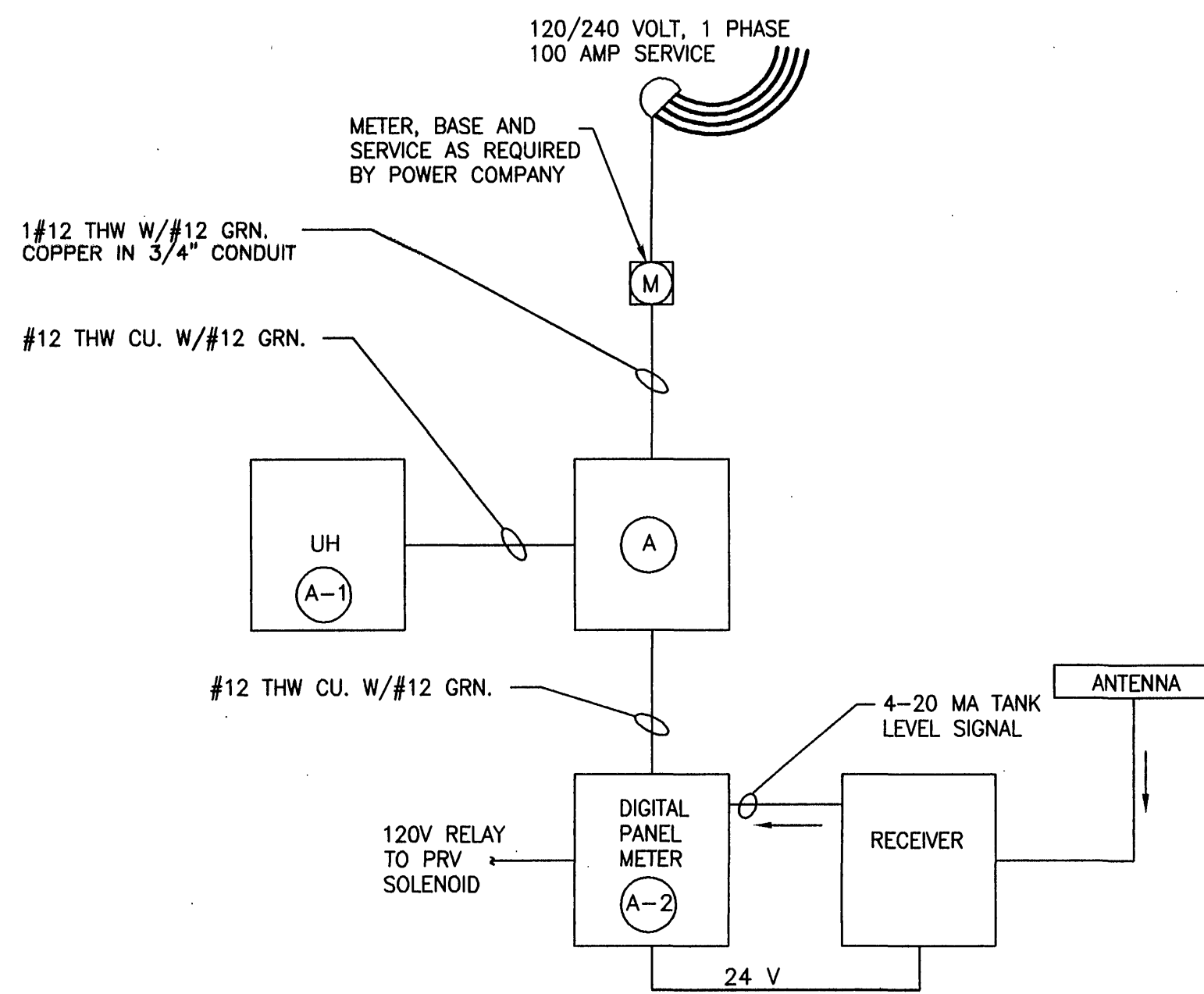
NOT TO SCALE

EAGLE SIZE M ELECTRICAL CONTROL CABINET AS MANUFACTURED BY SIEMENS ITS OR APPROVED EQUAL. CABINET SHALL CONTAIN PANEL "A" EQUIPMENT AND SHALL BE ORIENTED AS TO PERMIT INSTALLATION OF WIRE THROUGH EXISTING ELECTRICAL CONDUIT.



PRV ELECTRICAL CABINET

NOT TO SCALE



POWER RISER DIAGRAM

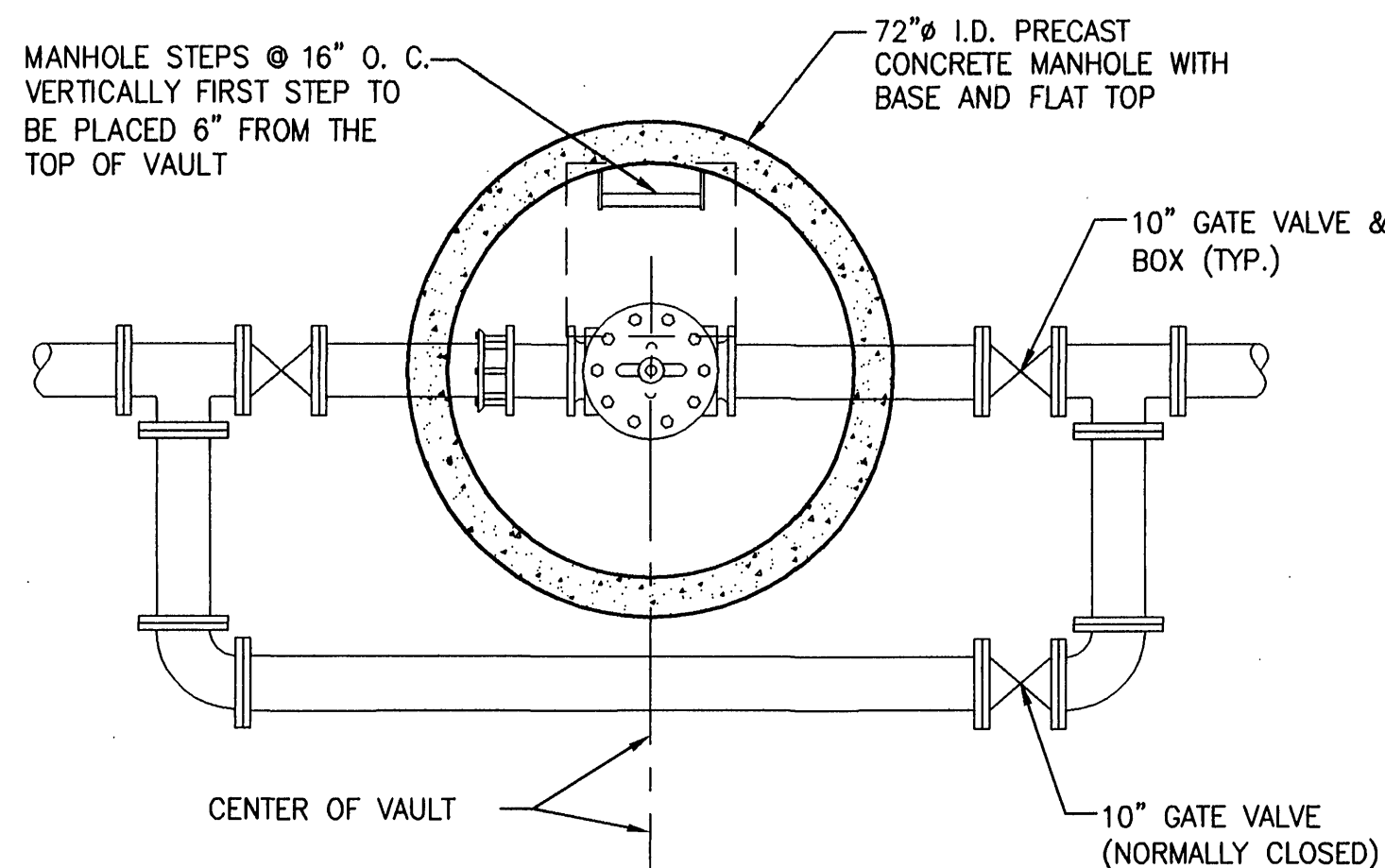
NOT TO SCALE

PANEL A, MAIN BREAKER TYPE 120/240 VOLT, 1 PH., 100 AMP CAPACITY

CIRCUIT NUMBER	CIRCUIT DESCRIPTION	POLES A B	VOLTS	LOAD	FULL LOAD CURRENT	BREAKER SIZE	WIRE SIZE	GROUND WIRE SIZE	CONDUIT SIZE
A-1	UNIT HEATER	1	120	500W	4.2 AMPS	20	12	12	3/4"
A-2	DIGITAL PANEL METER	1	120	80W	0.7 AMPS	20	12	12	3/4"

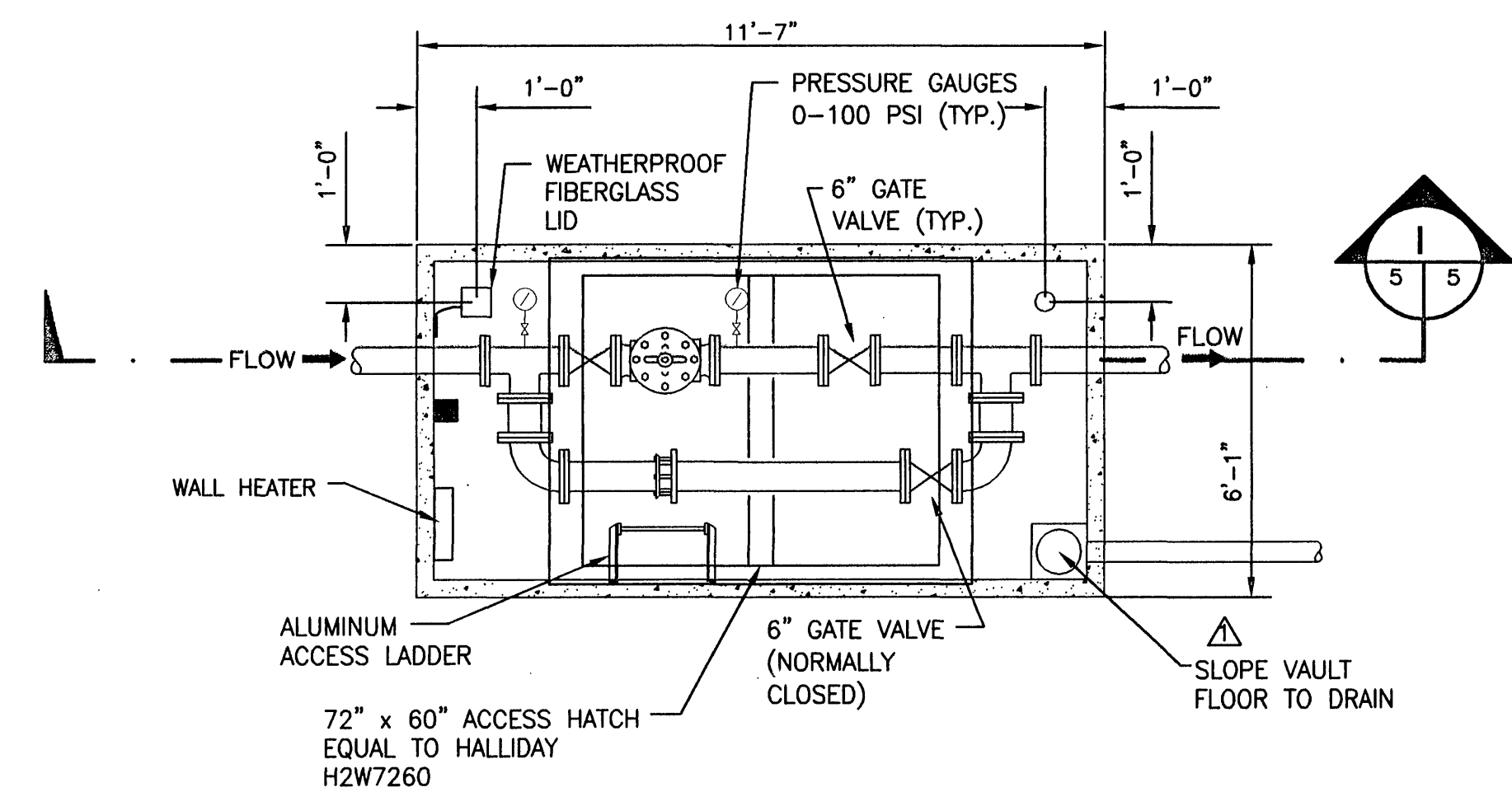
LOCATION: WESTLAKE PRV
MOUNTING: SURFACE
SERVICE: 240/120V 1 PHASE

MAINS: 100 AMP
TYPE: SQUARE D, NEMA 3R ENCLOSURE, LOCKABLE,
12 BREAKER SPACES OR APPROVED EQUAL

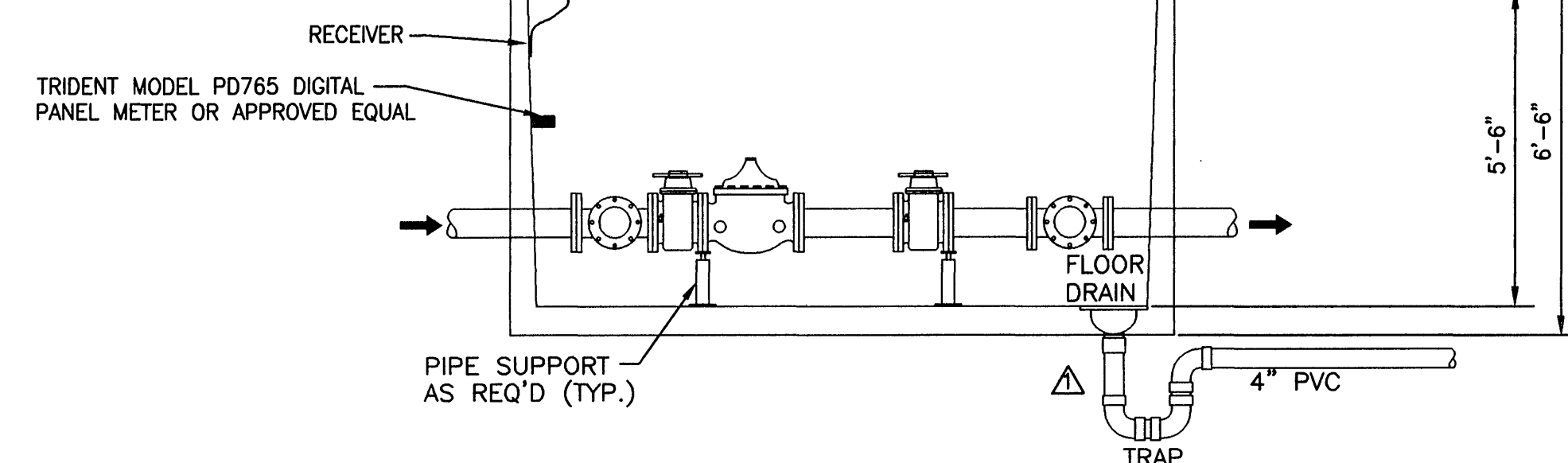


TYPICAL DETAIL - CHECK VALVE

NOT TO SCALE



+3dbi GAIN ANTENNA EQUAL TO LOW PROFILE OMNI DISC ANTENNA MODEL RAD-ISM-900-ANT-LPO-3-3-MCX AS MANUFACTURED BY PHOENIX CONTACT

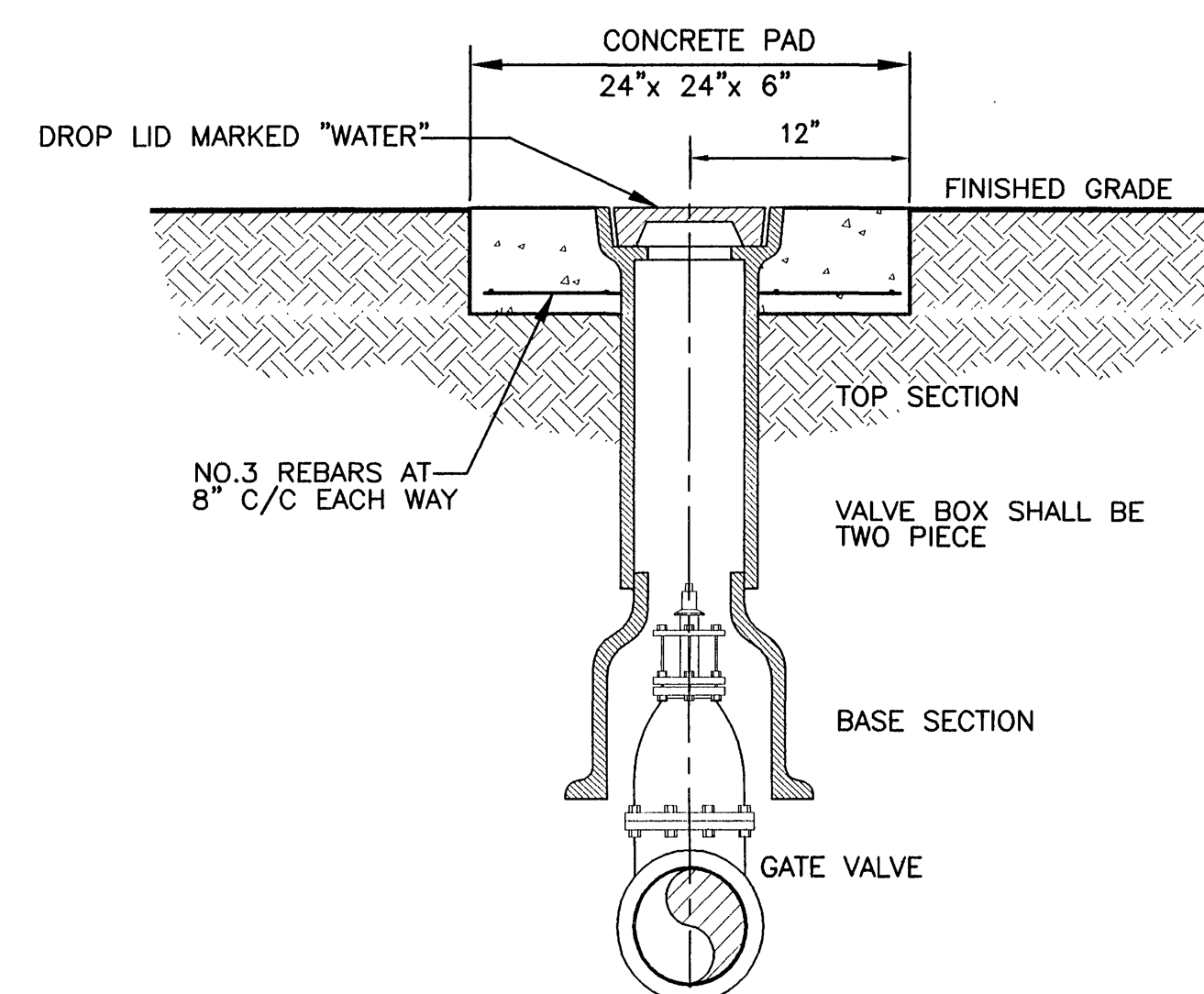


WESTLAKE PRV VAULT

SCALE: 3/8" = 1'-0"

NOTES:

1. PRV SHALL BE MODEL 93EG-95BYKC D.S. 150 A, WITH REVERSE FLOW UNDER COMMAND OF A SUSTAINING PILOT AS MANUFACTURED BY CLA-VAL CO. NEWPORT BEACH CA, OR APPROVED EQUAL.
2. PRV SETTING - 62 psi
PSV SETTING - 53 psi
3. WALL HEATER SHALL BE PUMP HOUSE TYPE EQUAL TO CHROMALOX MODEL EH-1251 HVT.
4. RECEIVER SHALL BE RAD-ISM-900-DC AS MANUFACTURED BY PHOENIX CONTACT OR APPROVED EQUAL.
5. VALVE VAULT AND LID SHALL BE H20 LOAD RATED.
6. FLOOR OF VAULT SHALL BE SLOPED TOWARD SUMP.
7. SUMP PUMP SHALL BE MODEL SP02 AS MANUFACTURED BY GOULDS PUMP OR APPROVED EQUAL.

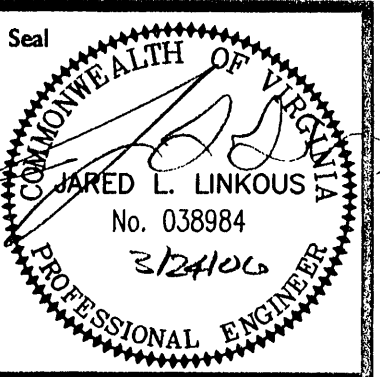


TYPICAL DETAIL - VALVE BOX

NOT TO SCALE

Office of Drinking Water
Danville Field Office
APR 17 2006

RECEIVED



CONNECTION TO EXISTING
WESTLAKE TOWNE CENTER WATER SYSTEM
FOR THE
FRANKLIN COUNTY BOARD OF SUPERVISORS
PRV AND TELEMETRY SYSTEM - MECHANICAL/ELECTRICAL
STANDARD WATER LINE DETAILS

No.	Date	Drawn	Reviewed	Issued	Construction Documents Issued
1	03/02/06	03/02/06	03/02/06	03/02/06	03/02/06
2	03/24/06	03/24/06	03/24/06	03/24/06	03/24/06
3	03/27/06	03/27/06	03/27/06	03/27/06	03/27/06
4	04/14/06	04/14/06	04/14/06	04/14/06	04/14/06

Designed	APC
Drawn	APC
Checked	APC
Date	MARCH 2006
File No.	PLANS

Project No.
8200-03

THOMPSON & LITTON

Rafford Corporate Campus West
200C Rock Road
Rafford, Virginia 24141

Sheet No.
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