

Well Types

Driven Well Drilled Well Dug Well Cistern Spring, Lake, or Surface Water

25 ft.

A Shallow Well
 is any source of water where the low level is not more than 25 ft. below the pump. When water is pumped from a well the water level will draw down. The lowest level to which it will drop is the level from which it must be pumped.

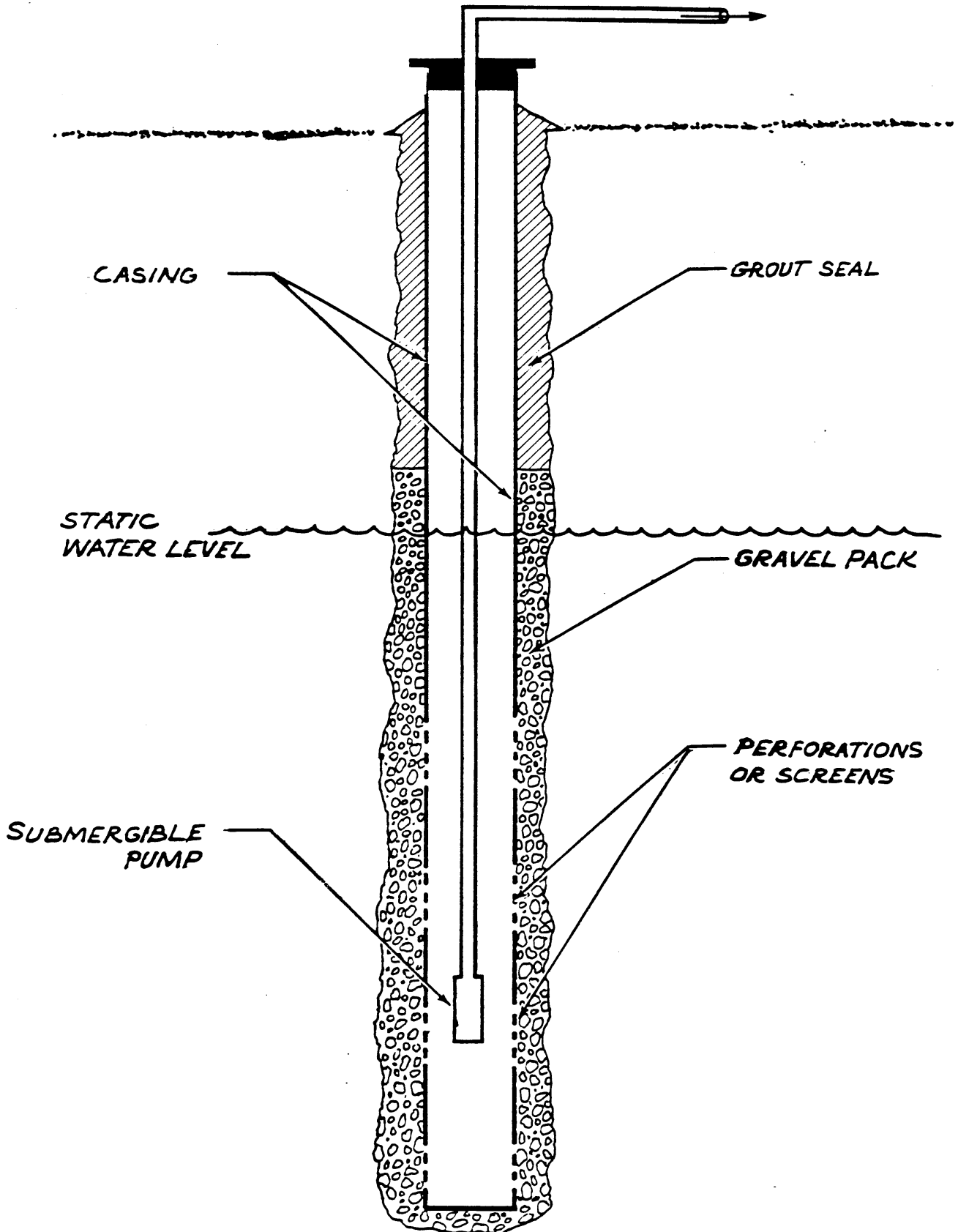
Driven Well Drilled Well Dug Well

25 ft.

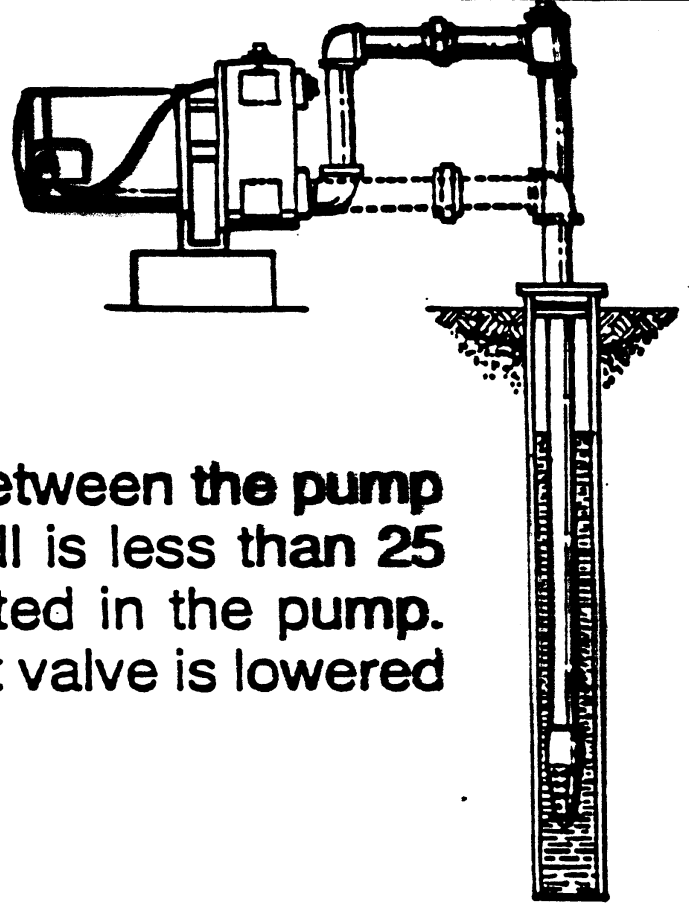
A Deep Well
 is any source of water where the low water level is more than 25 feet below the pump.

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WELL CONSTRUCTION FEATURES

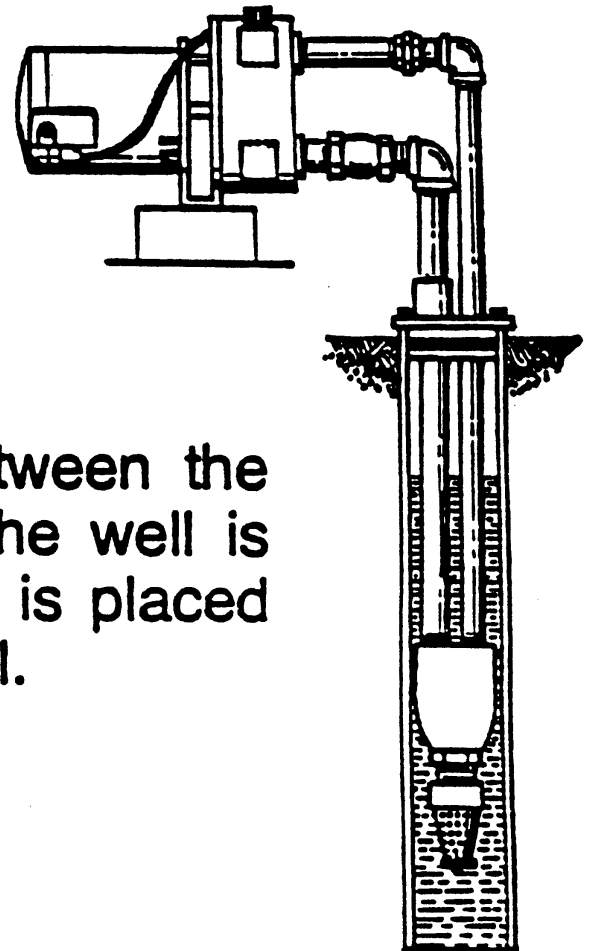


SHALLOW WELL

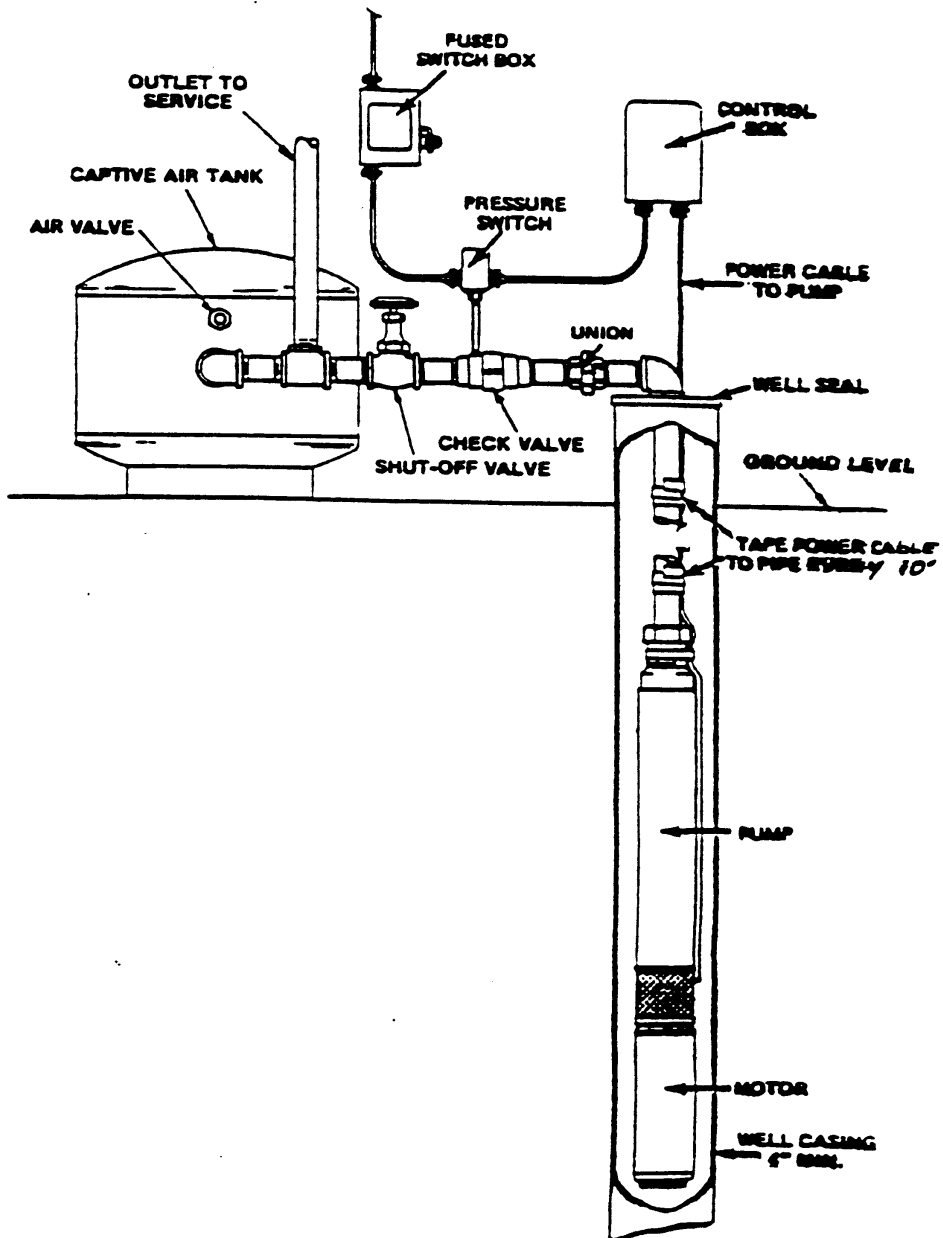


Where the vertical distance between the pump and the water level in the well is less than 25 feet, the injector is incorporated in the pump. Only a suction pipe with a foot valve is lowered into the well.

DEEP WELL



When the vertical distance between the pump and the water level in the well is more than 25 feet, the injector is placed below the water level in the well.



WEEKS DRILLING & PUMP CO., INC.

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FAX: (707) 823-4258

LICENSE NO. CS7-177681

REPORT OF WELL TEST

Date _____

Owners Name _____

c/o _____

Mailing Address _____

Location Of Well _____

WELL INFORMATION

Drilled Well _____ Hand-dug _____ Spring _____

Well Depth _____ Casing Size & Type _____

Static Water Level _____

Draw Down From Top Of Well _____ after _____ hours pumping.

Yield Of Water Source _____ GPM

PUMP INFORMATION

Method Of Test _____ HP Jet Submersible

Pump Setting _____ Pump Production _____ GPM

Pump Static Pressure _____ Pressure Tank Size _____

Pressure Tank Type _____

Storage Tank Type _____ Storage Tank Capacity _____

COMMENTS

Serviceman _____

Water quality test results are attached if requested at time of order.

Total hours of testing _____

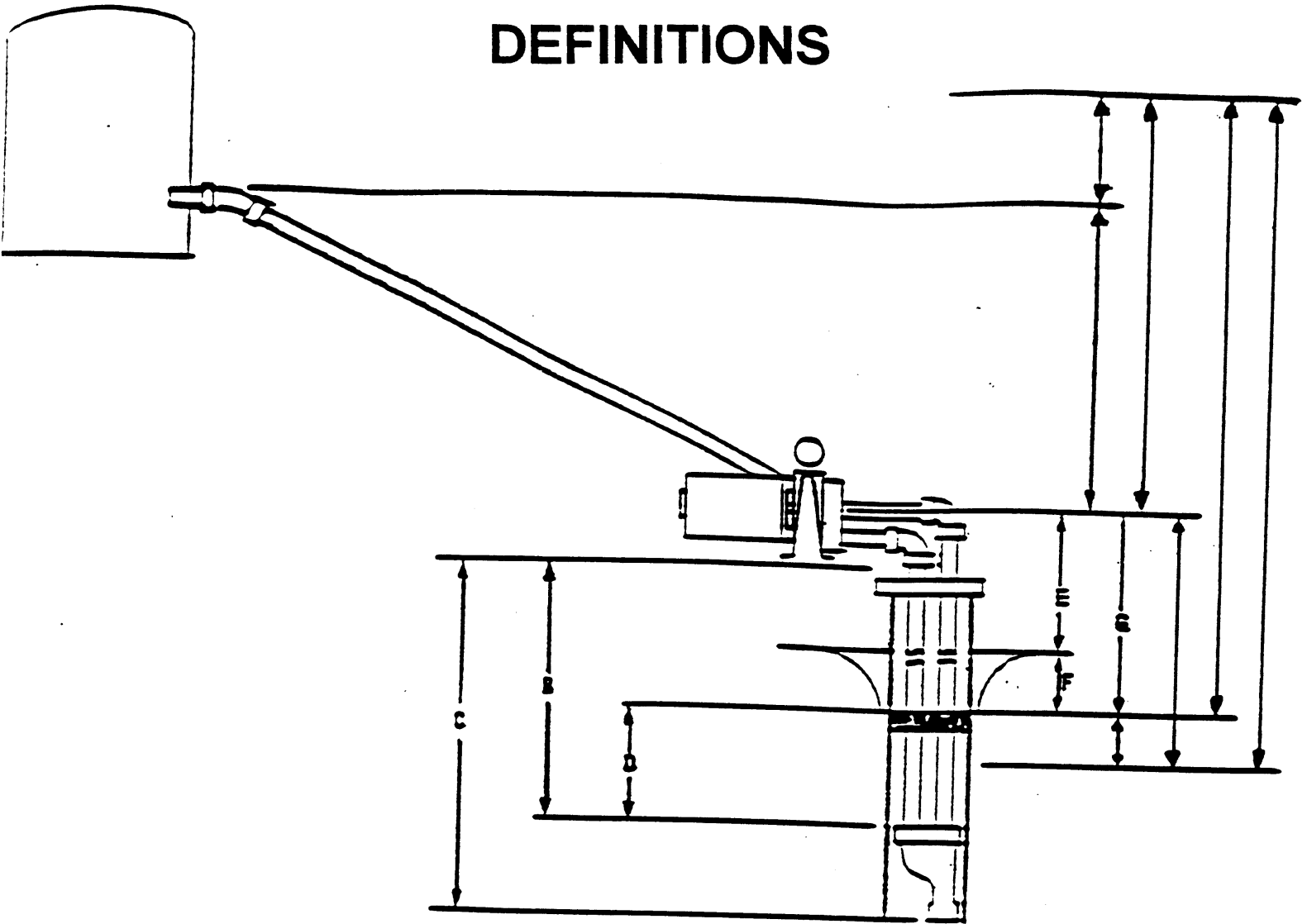
Pump Department Manager

This report is for informational use only. It is in lieu of, and supercedes any other representations or statements of the agents or employees of the company, and all other such representations or statements shall be relied upon at the Customer's own risk.

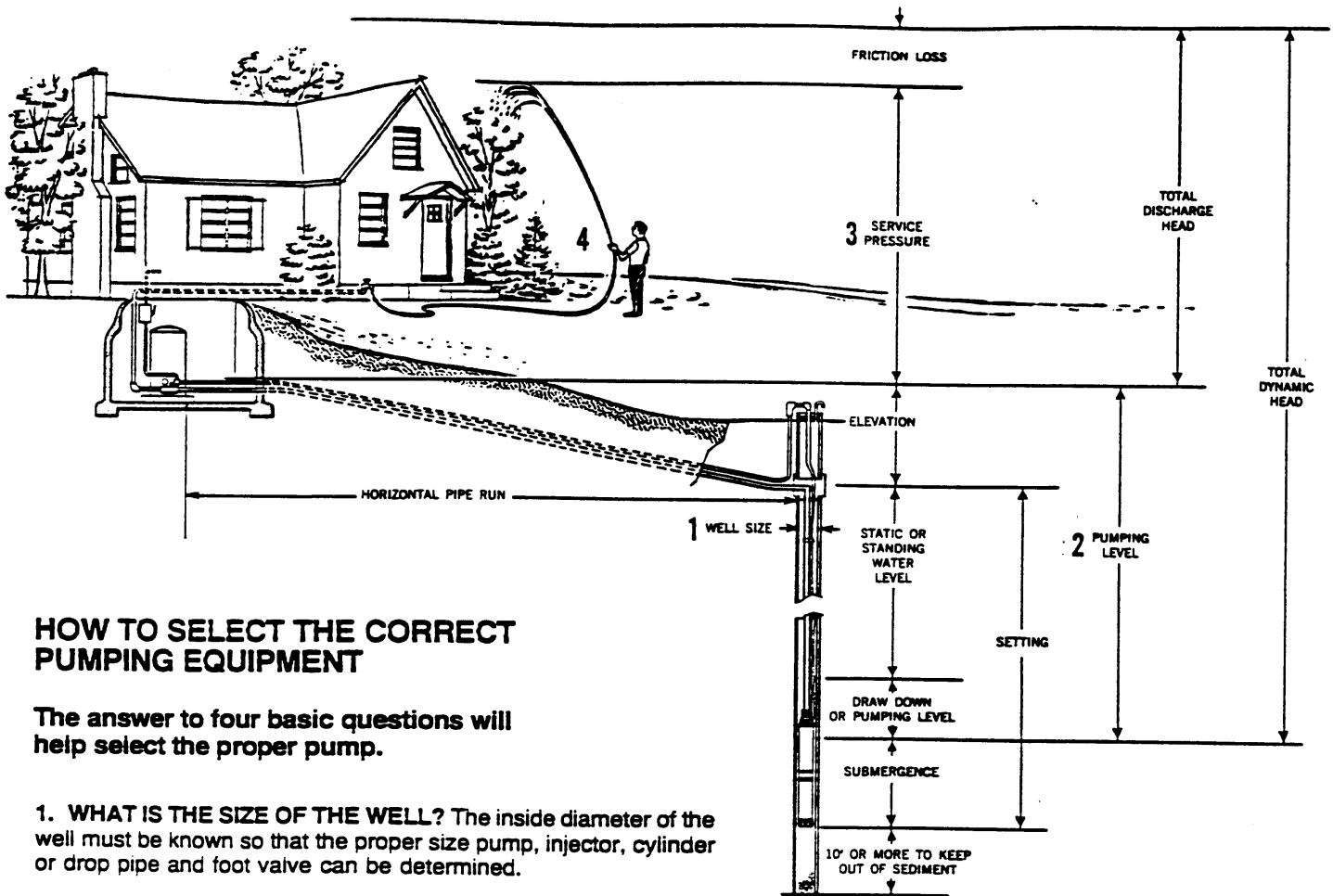
The data and conclusions provided herein are based upon the best information available to the company using standard and accepted practices of the water well drilling industry. However, conditions in water wells are subject to dramatic changes even in short periods of time. Therefore, the data and conclusions are valid only as of the date of the test or installation indicated, and should not be relied upon to predict either the future quantity or quality of water that the well will produce.

The company makes no warranties, either express or implied, as to such future water production, and expressly disclaims and excludes any liability for consequential or incidental damages arising out of the breach of any express or implied warranty of future water production, or out of any further use of this report by the Customer.

DEFINITIONS



- A. **CAPACITY:** Amount pumped in gallons per minute or gallons per hour, etc.
- B. **SETTING:** Distance from pump head to ejector or foot valve.
- C. **OVERALL LENGTH:** Total distance from base of pump case to bottom of foot valve or strainer.
- D. **SUBMERGENCE:** Vertical distance from pumping water level to top of jet or foot valve.
- E. **STATIC WATER LEVEL:** Vertical distance from pump to water level when not pumping.
- F. **DRAWDOWN:** Vertical distance the water level drops when pumping. Drawdown varies with the capacity of the well and pump.
- G. **PUMPING WATER LEVEL OR LIFT:** Vertical distance from pump to water level when pumping (E plus F).



HOW TO SELECT THE CORRECT PUMPING EQUIPMENT

The answer to four basic questions will help select the proper pump.

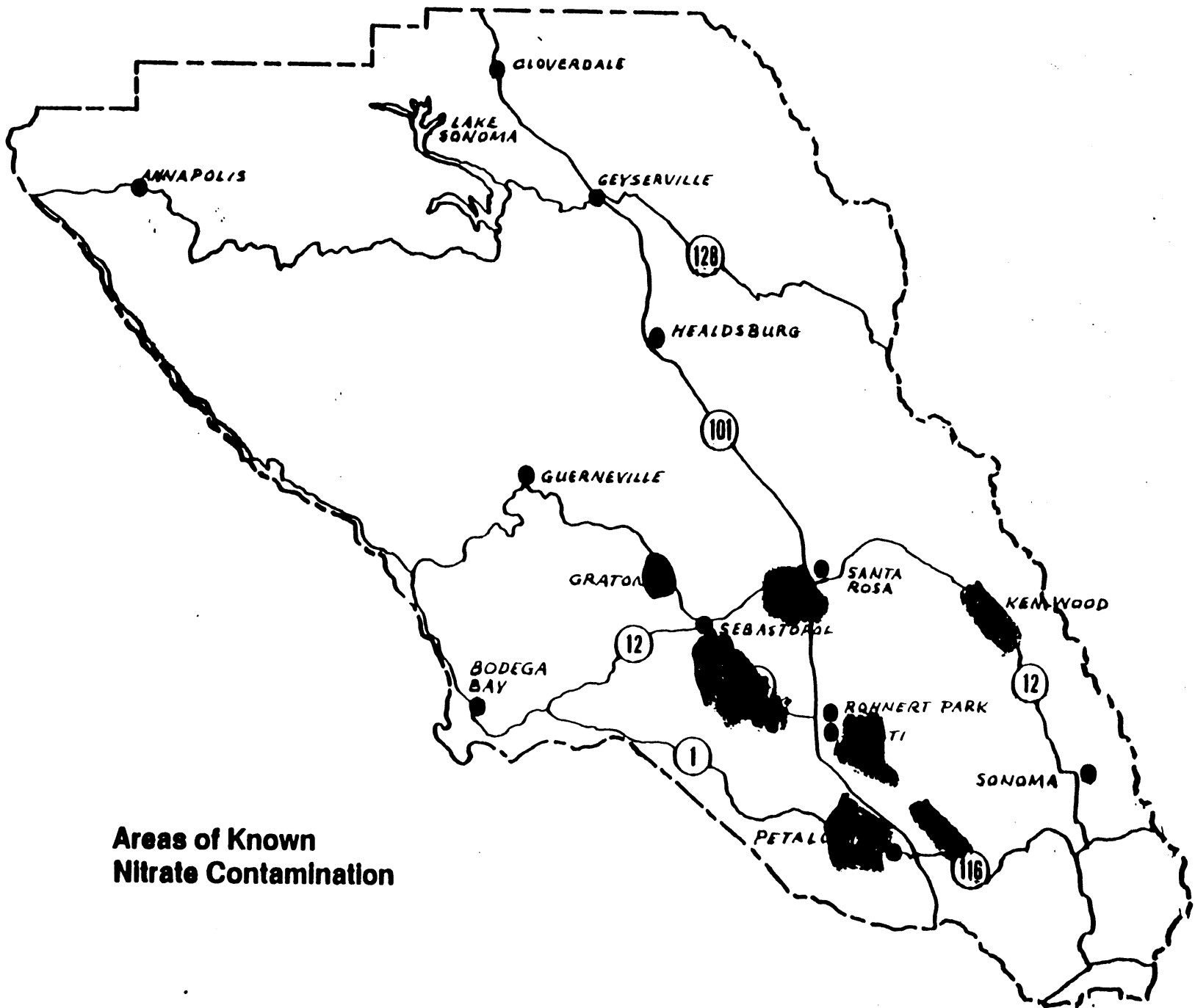
1. WHAT IS THE SIZE OF THE WELL? The inside diameter of the well must be known so that the proper size pump, injector, cylinder or drop pipe and foot valve can be determined.

2. WHAT IS THE PUMPING LEVEL? The vertical distance in feet from the pump to the water level while the pump is operating. If the pump is installed away from the well and is on higher ground, this elevation must also be included. Most wells draw down while being pumped so this must not be confused with the standing water level.

3. WHAT SHOULD BE THE AVERAGE DISCHARGE PRESSURE? Usual average discharge pressure is 30 lbs.—halfway between the 20 lb. to 40 lb. switch setting of most water systems. When the tank is installed away from the pump at a higher level, or when house or yard fixtures are above the pump and tank, a greater pressure is needed and a larger pump must be used.

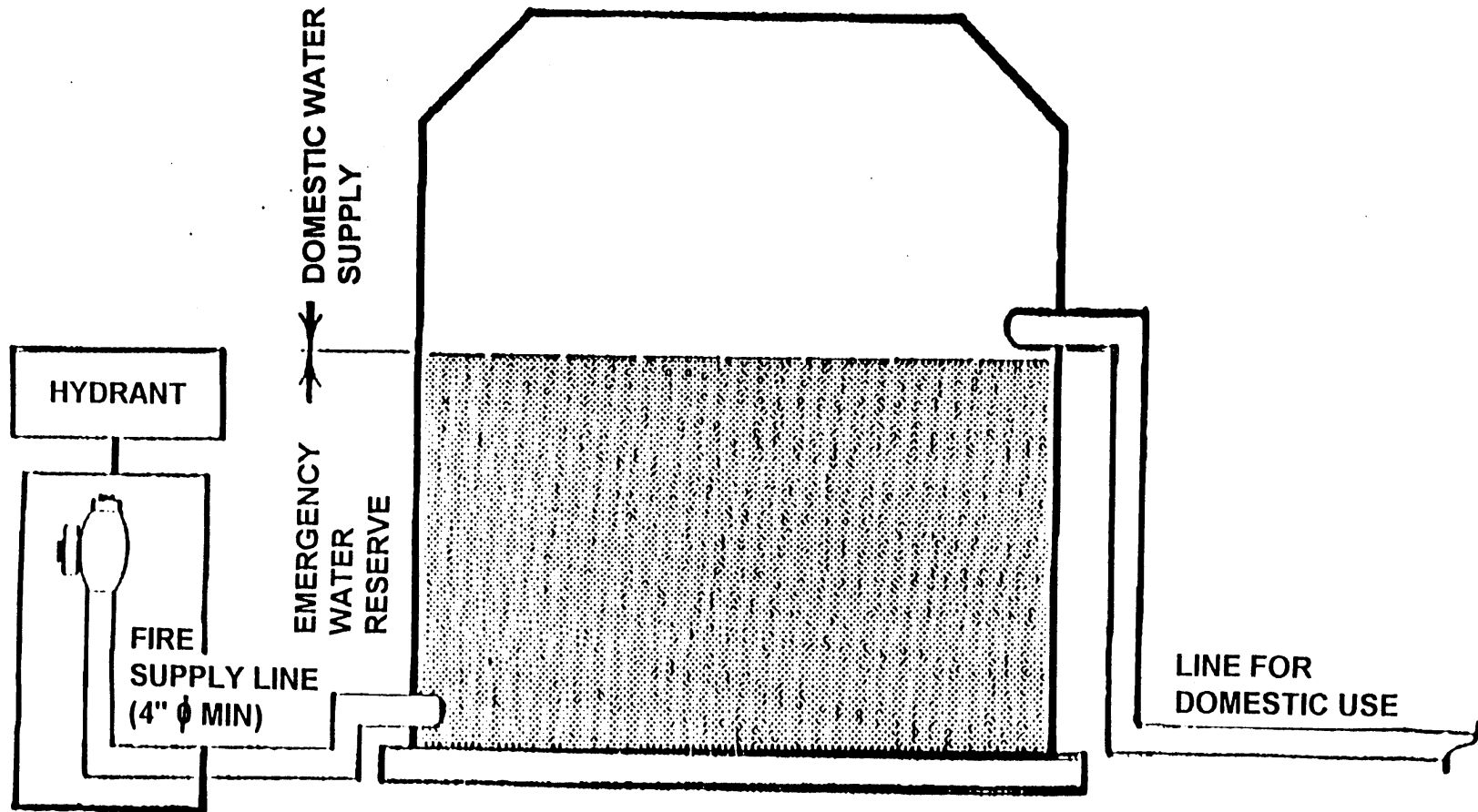
4. WHAT CAPACITY IS REQUIRED? The discharge capacity of the pump in gallons per hour that is needed for satisfactory service. The pump should have enough capacity so that it does not need to work more than the equivalent in intermittent service of 2 hours per day. See table of water requirements at right.

AVERAGE WATER REQUIREMENTS FOR GENERAL SERVICE AROUND THE HOME AND FARM	
Each person per day, for all purposes	.75 gal.
Each horse, dry cow or beef animal	.12 gal.
Each milking cow	.35 gal.
Each hog per day	.4 gal.
Each sheep per day	.2 gal.
Each 100 chickens per day	.4 gal.
AVERAGE AMOUNT OF WATER REQUIRED BY VARIOUS HOME AND YARD FIXTURES	
Drinking fountain, continuously flowing	.50 to 100 gal. per day
Each shower bath	Up to 30 gal. @ 3-5 GPM
To fill bathtub	30 gal.
To flush toilet	6 gal.
To fill lavatory	2 gal.
To sprinkle 1/4" of water on each 1000 square feet of lawn	160 gal.
Dish Washing Machine — per load	7 gal. @ 4 GPM
Automatic washer — per load	Up to 50 gal. @ 4-6 GPM
Regeneration of Domestic Water Softener	50-100 gal.
AVERAGE FLOW RATE REQUIREMENTS BY VARIOUS FIXTURES	
(g.p.m. equals gal. per minute; g.p.h. equals gal. per hour)	
Shower	3-5 g.p.m.
Bathtub	3-5 g.p.m.
Toilet	3 g.p.m.
Lavatory	3 g.p.m.
Kitchen sink	2 to 3 g.p.m.
1/2" hose and nozzle	200 g.p.h.
3/4" hose and nozzle	300 g.p.h.
Lawn sprinkler	120 g.p.h.



Areas of Known Nitrate Contamination

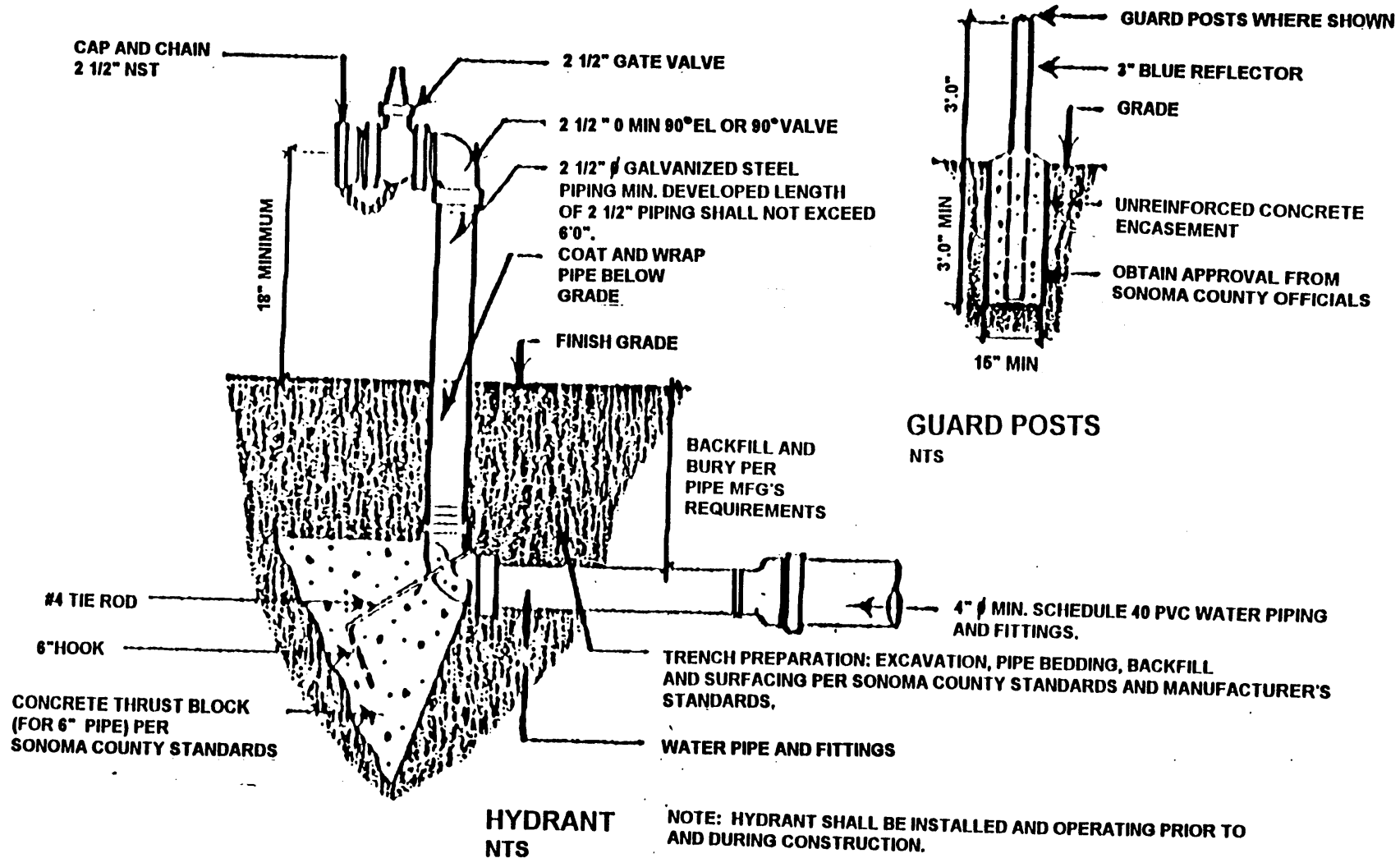
EMERGENCY WATER SUPPLY



WATER STORAGE TANK

NOT TO SCALE

9/20/10



FIRE DEPARTMENT HYDRANT