Instructions for South Dakota Job Plan 22.0

Pumping Plant with Pressure Tank Pit

Fill in the blue data fields on this page to automatically fill in the title block areas on the drawings. Left click blue data fields to type in required information.

Clear Form

Title block

Producer	
1/4 Section	
Section	
Township	
Range	
County	
Conservation District	

Who / When	Who (initials)	When (MM/DD/YY)
Designed		
Drawn		
Checked		
Approved		

SYSTEM SPECIFICATIONS

PUMP _____ GPM @ _____ TOTAL DYNAMIC HEAD

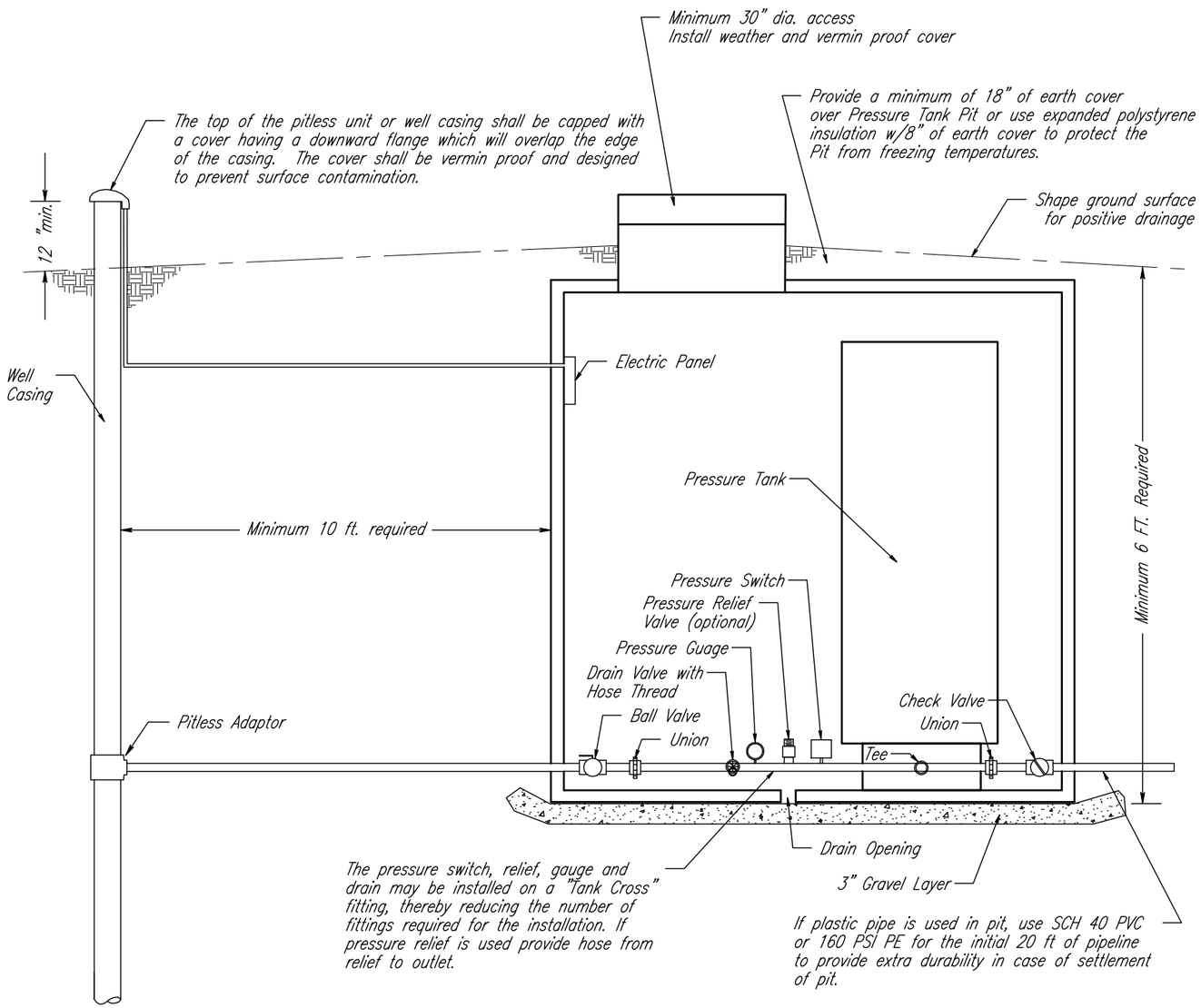
RECOMMENDED PUMP MODEL # _____

PRESSURE TANK _____ GALLON (minimum) _____ PSI PRESSURE RATING

PRESSURE SWITCH SETTING _____ ON _____ OFF

TABLE OF QUANTITIES

ITEM	UNIT	QUANTITY	"AS BUILT" QUANTITY
Pressure Tank Pit	each		
Pressure Tank (See System Specs.)	each		
Pressure System Appurtenances (Valves, etc. as shown)	Lump Sum	1	
Clean Sand and Gravel or Crushed Rock	cu. yd.		



SIDE VIEW
(not to scale)

GENERAL NOTES:

1.) A WELL MAY NOT TERMINATE IN A PIT, ROOM, OR SPACE THAT IS LOCATED BELOW ESTABLISHED GROUND SURFACE. THE TOP OF THE WELL CASING OR PITLESS ADAPTOR UNIT MUST TERMINATE A MINIMUM OF 12" ABOVE THE GROUND SURFACE OR PUMP HOUSE FLOOR AND 24" ABOVE ANY HIGH WATER LEVEL IF POTENTIAL FOR FLOODING EXISTS.

2.) FOLLOWING COMPLETION OF ANY NEW WELL FOR DOMESTIC USE*, A WATER QUALITY SAMPLE SHALL BE COLLECTED AND SUBMITTED TO THE S.D. DEPARTMENT OF HEALTH OR OTHER APPROVED LAB. *DOMESTIC USE INCLUDES LIVESTOCK WATER.

3.) IF CULTURAL RESOURCES ARE DISCOVERED DURING CONSTRUCTION, DISCONTINUE CONSTRUCTION AND NOTIFY THE LOCAL NATURAL RESOURCES CONSERVATION SERVICE OFFICE.

4.) ACCORDING TO SOUTH DAKOTA STATE LAW, "NO EXCAVATOR MAY BEGIN ANY EXCAVATION WITHOUT FIRST NOTIFYING THE ONE-CALL NOTIFICATION CENTER OF THE PROPOSED EXCAVATION" AT (800) 781-7474.

5.) THE LANDOWNER IS RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL LAWS.

CONSTRUCTION NOTES:

1.) PRESSURE TANK PIT MAY BE PREFABRICATED CONCRETE, CORRUGATED METAL CULVERT 48" DIA. OR LARGER OR OTHER MATERIAL AS APPROVED BY THE TECHNICIAN. PROVIDE MINIMUM 30" DIA. OPENING FOR ACCESS AND TO ALLOW PRESSURE TANK REPLACEMENT. COVER SUBGRADE OF OPEN BOTTOMED PITS WITH MINIMUM 3" OF COARSE GRAVEL OR CRUSHED ROCK. BASE OF PIT SHALL BE A MINIMUM OF 6 FT BELOW GRADE OR ADEQUATELY MOUNDED WITH EARTH OR INSULATED TO PREVENT FREEZING.

2.) ALL PLUMBING IN PRESSURE TANK PIT SHALL BE COPPER, RED BRASS, SCH 40 PVC or 160 PSI PE.

3.) BLADDERS ARE REQUIRED IN ALL PRESSURE TANKS OPERATING OVER 100 PSI TO PREVENT FREQUENT WATERLOGGING.

4.) THE WELL AND PRESSURE TANK PIT SHALL BE FENCED TO EXCLUDE LIVESTOCK.

"STATEMENT OF COMPLIANCE"

Construction (was) (was not) completed in accordance with approved construction plans and specifications.

_____ JAA _____ Date

PUMPING PLANT WITH PRESSURE TANK PIT

JOB PLAN 22.0 (11/2009)

REVISIONS		
DATE	APPROVED	TITLE
11/30/2009	Jay B. Cobb	State Conservation Engineer

Designed _____ Date _____
Drawn _____
Checked _____
Approved _____

PRODUCER _____
_____ SECTION _____ T. _____ R. _____
_____ COUNTY
_____ CONSERVATION DISTRICT

USDA – NRCS
State Office Engineering Staff
200 Fourth Street SW
Huron, South Dakota 57350

NRCS
Natural Resources Conservation Service
United States Department of Agriculture

File Name: SDJobPlan22_0WellPit_11_09.pro

Drawing No.

12/11/2009 10:59AM

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