

**Design Notes:**

1. Max. pumping head will be 20 ft.
2. PVC pipe shall be schedule 40 or SDR-26 or stronger.
3. Hydrant exposure above ground should be approximately 24 in.
4. Area of strainer opening must exceed 4 times pipe area.
5. Keep pond clear of aquatic plants and debris as much as possible.
6. Exposed pipe and fittings shall be primed and painted for ultraviolet protection.

**\*NOTE:**

Hydrant assembly includes:  
PVC elbow, NST(ISO) threaded insert w/ PVC adaptor, strainer, steel snap ring and snap-on cap.  
Also, an NH reducer may be needed to provide hook-up to pumper.

**BILL OF MATERIALS**

QUANT.	UNIT	ITEMS
EACH	°	HYDRANT ASSEMBLY *
EACH		*PVC SCHED. 40 STRAINER (4' LONG)
EACH	°	*PVC SCHED. 40 ELBOW, °
L. F.		*PVC SCHED. 40 PIPE-RISER
L. F.		*PVC SCHED. 40 PIPE
EACH		*PVC COUPLINGS
EACH		PVC PIPE SUPPORT UNIT
EACH		ANTI-VORTEX DEVICE
TONS		CRUSHER RUN GRAVEL (CR-14)

**CERTIFICATION FOR INSTALLATION OF DRY HYDRANT**

I, \_\_\_\_\_  
hereby certify that the information given below is correct to the best of my knowledge and that I have reviewed the design for a dry hydrant at the location as shown on the drawings and that the location and design is compatible with a fire fighting plan for the community and local fire equipment and that the water supply is adequate to meet fire fighting needs for the service radius of this hydrant

I concur that the location of the dry hydrant has all weather access by fire fighting equipment and that it will not pose a hazard to emergency or other vehicular traffic when it is in use.

Operation and maintenance of this dry hydrant will be the responsibility of the respective fire department.

Signature of Certifying Official \_\_\_\_\_ Date \_\_\_\_\_

Title of Certifying Official \_\_\_\_\_

This practice was installed in accordance with NRCS plans and specifications prepared for the job.

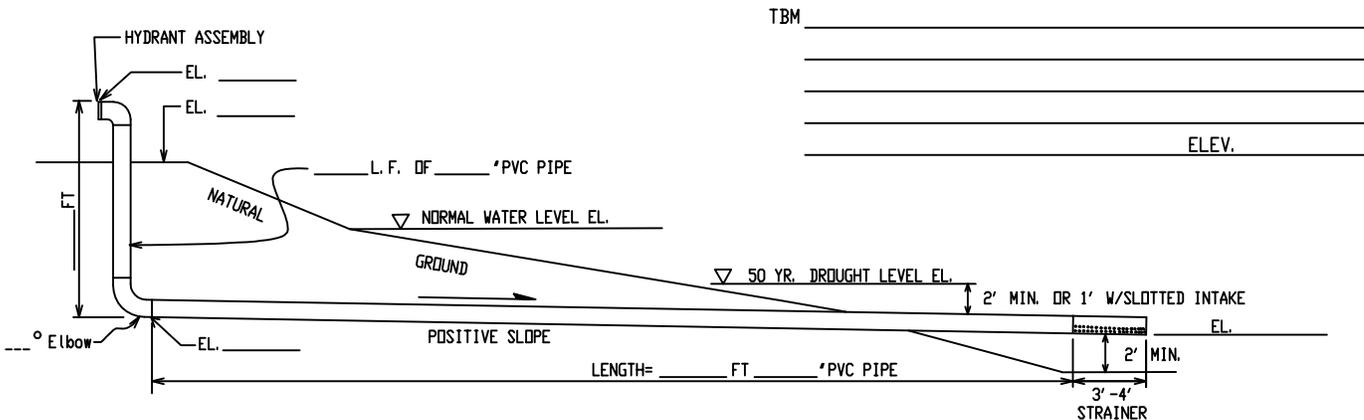
Signature of Certifying NRCS Technician \_\_\_\_\_

**POND HYDRANT DESIGN**

MAX. PUMP HEAD (FT.) \_\_\_\_\_  
 MIN. PUMP HEAD (FT.) \_\_\_\_\_  
 1/ NORMAL POOL (GAL. AVAILABLE) \_\_\_\_\_  
 NORMAL POOL (ACRES) \_\_\_\_\_  
 2/ DROUGHT POOL (GAL. AVAILABLE) \_\_\_\_\_  
 DROUGHT POOL (ACRES) \_\_\_\_\_  
 DESIGN PUMP RATE (GPM) \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

TBM LOCATION TO BE NOTED ON HYDRANT LOCATION MAP.

**HYDRANT LOCATION**



**DRY HYDRANT PROFILE**

NOT TO SCALE

SHEET NO. 1 OF 1 AL-ENG-53 FORM NO.	Dry Hydrant Details Dry Hydrant No. _____ _____ County, AL _____ Farm or Landowner	Designed _____ DATE _____ Drawn _____ Checked _____ Approved _____	 United States Department of Agriculture
	U. S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE		

1/ Available water represents the storage between normal pool and the minimum pump-down elevation (2' with circular hole intake or 1' with special design slotted intake) above top of intake.

2/ Available water represents storage between 50 yr. drought pool and minimum pump-down elevation.