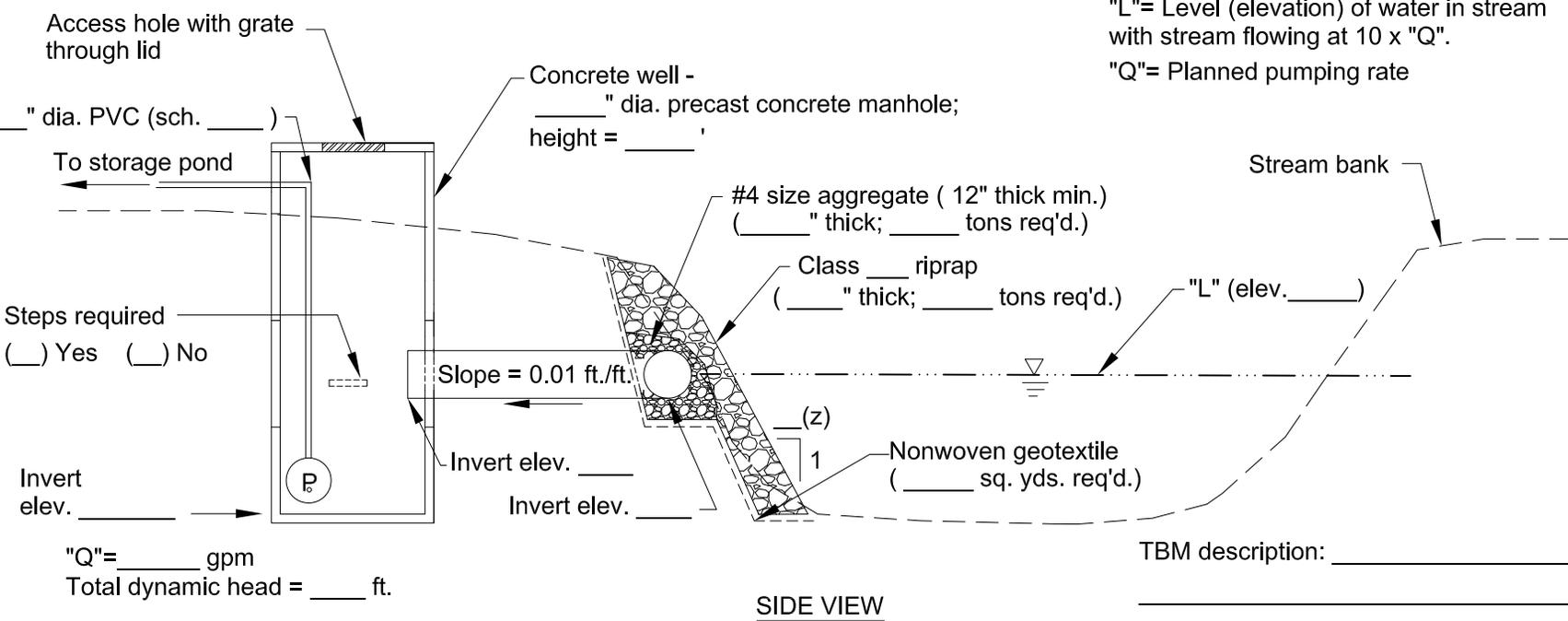


____" dia. non-perforated Sch. 40 PVC pipe (____L.F.)

____" dia. perforated Sch. 40 PVC pipe w/ end caps.
 Pipe shall have ____ rows of 3/4" dia. holes.
 Holes shall be spaced at 3" c.c. along row.
 Rows shall be spaced at ____ ° around pipe.

- Notes:
1. Add #57 stone or similar size gravel under base of concrete well as needed to level surface.
 2. Opening to insert pipe into concrete well to be pre-cast. Grout opening around pipe to seal.
 3. Concrete well wall thickness to be ____" min.



"L"= Level (elevation) of water in stream with stream flowing at 10 x "Q".
 "Q"= Planned pumping rate

Access hole with grate through lid

____" dia. PVC (sch. ____)

To storage pond

Steps required
 () Yes () No

Invert elev. ____

"Q"= ____ gpm
 Total dynamic head = ____ ft.

Concrete well -
 ____" dia. precast concrete manhole;
 height = ____'

#4 size aggregate (12" thick min.)
 (____" thick; ____ tons req'd.)

Class ____ riprap
 (____" thick; ____ tons req'd.)

Slope = 0.01 ft./ft.

Nonwoven geotextile
 (____ sq. yds. req'd.)

Stream bank

"L" (elev. ____)

TBM description: _____

Note: Details this sheet are not to scale

File Name	Designed	Date
Drawing Name AL-ENG-533-01	Drawn	
Sheet 1 of 1	Checked	
	Approved	

IRRIGATION WATER STREAM INTAKE

Landowner _____ County, AL _____

NRCS
 Natural Resources Conservation Service
 United States Department of Agriculture