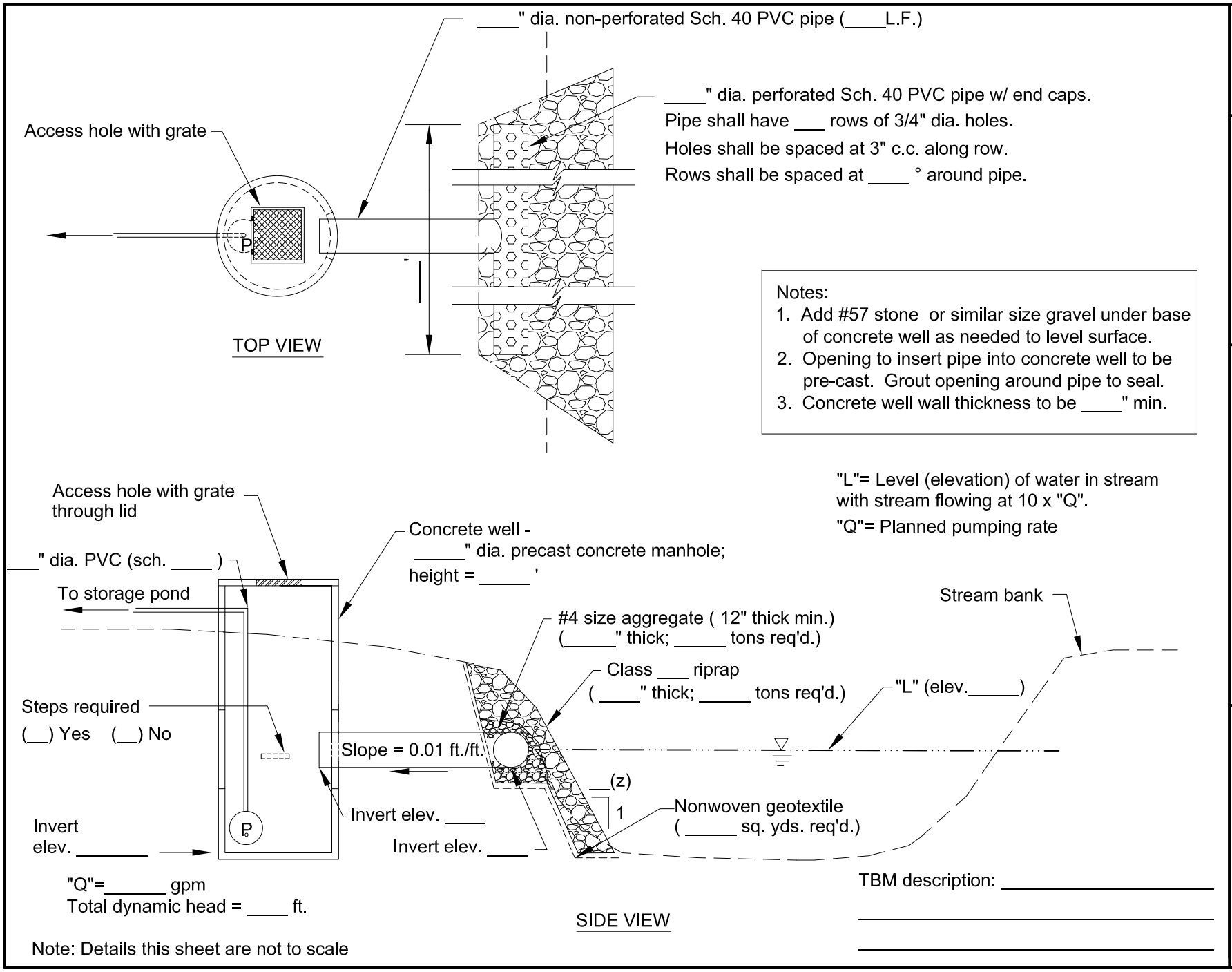
____" dia. non-perforated Sch. 40 PVC pipe (____L.F.)
____" dia. perforated Sch. 40 PVC pipe w/ end caps.
Pipe shall have ___ rows of 3/4" dia. holes.
Holes shall be spaced at 3" c.c. along row.
Rows shall be spaced at ____ ° around pipe.
Access hole with grate
P
TOP VIEW
Notes:
1. Add #57 stone or similar 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
Concrete well -
_____" dia. precast concrete manhole;
height = _____ '
Stream bank
#4 size aggregate (12" thick min.)
(_____" thick; _____ tons req'd.)
Class ___ riprap
(____" thick; _____ tons req'd.)
"L" (elev._____)
Steps required
(__) Yes (__) No
Slope = 0.01 ft./ft.
__(z)
1
Invert elev. ____
Nonwoven geotextile
(_____ sq. yds. req'd.)
Invert elev. _____
Invert elev. ____
P
"Q"=_____ gpm
Total dynamic head = ____ ft.
SIDE VIEW
TBM description: _____
Note: Details this sheet are not to scale
Rev. 01/12
Drawing Name
AL-ENG-533-01
Sheet 1 of 1
Date
Designed
Drawn
Checked
Approved
IRRIGATION WATER STREAM INTAKE
Landowner
County, AL
NRCS
Natural Resources Conservation Service
United States Department of Agriculture