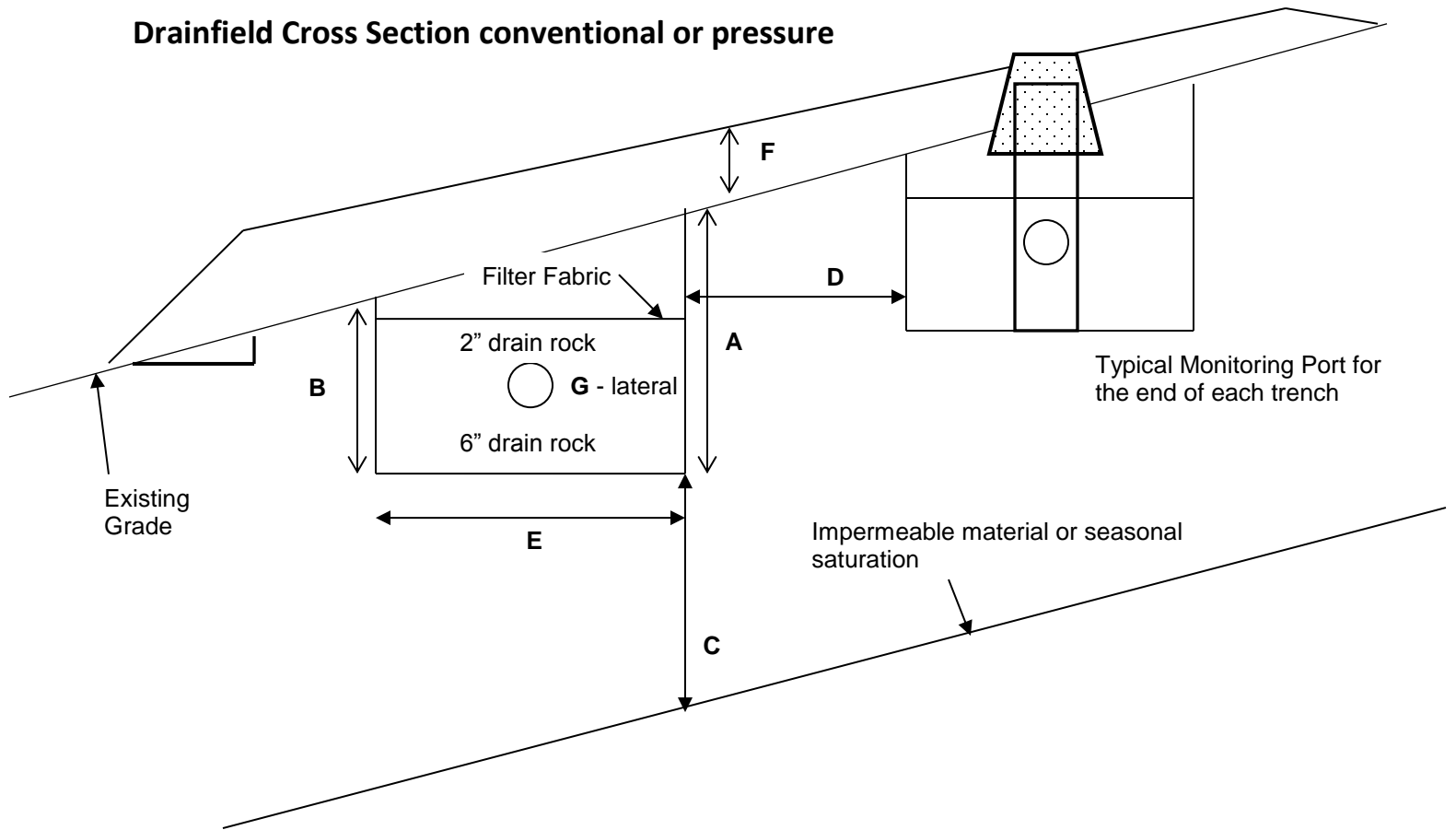


Drainfield Cross Section conventional or pressure

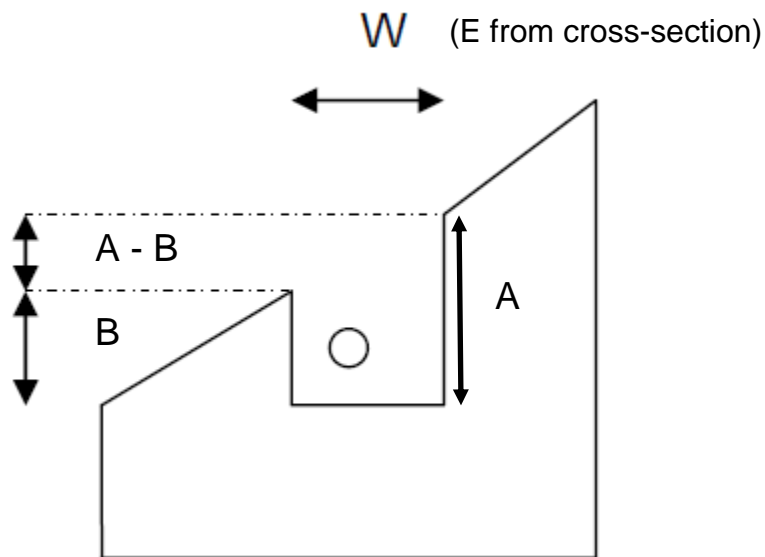


- A** - Trench depth _____ inches from existing grade on uphill side at deepest point of trench
- B** - Trench depth _____ inches from existing grade on downhill side at shallowest point of trench (must be 12" for gravity)
- C** - _____ inches of Vertical Separation from trench bottom to impermeable material or seasonal saturation
- D** - _____ feet of undisturbed soil from sidewall to sidewall between trenches/beds
- E** - _____ feet of trench or bed width.
- F** - _____ inches of fill if trench depth less than 18"
- G** - _____ inch lateral
- H** - _____ % slope
- I** - _____ inch monitoring port with cap to bottom of trench or bed (6" required if over end of the lateral)
- J** - _____ inch valve box for access to monitoring port

Slope Reference Table (see full table for additional slope and trench widths)

Difference in Depth in Inches Between Uphill and Downhill Side of Trench for 36" wide trench

% slope	Difference in Depth
10	3.6
12	4.3
14	5.0
16	5.8
18	6.5
20	7.2
22	7.9
24	8.6
26	9.4
28	10.1
30	10.8
32	11.5
34	12.2
36	13
38	13.7
40	14.4



Example: For a trench width of 36" and a slope of 22%, the difference between the uphill and downhill side of the trench (A-B) is 7.9".

For a trench depth of (B) of 12" and a required vertical separation of 24", the required minimum soil depth is:

$$12" + 24" + 7.9" = 43.9" \text{ of soil}$$