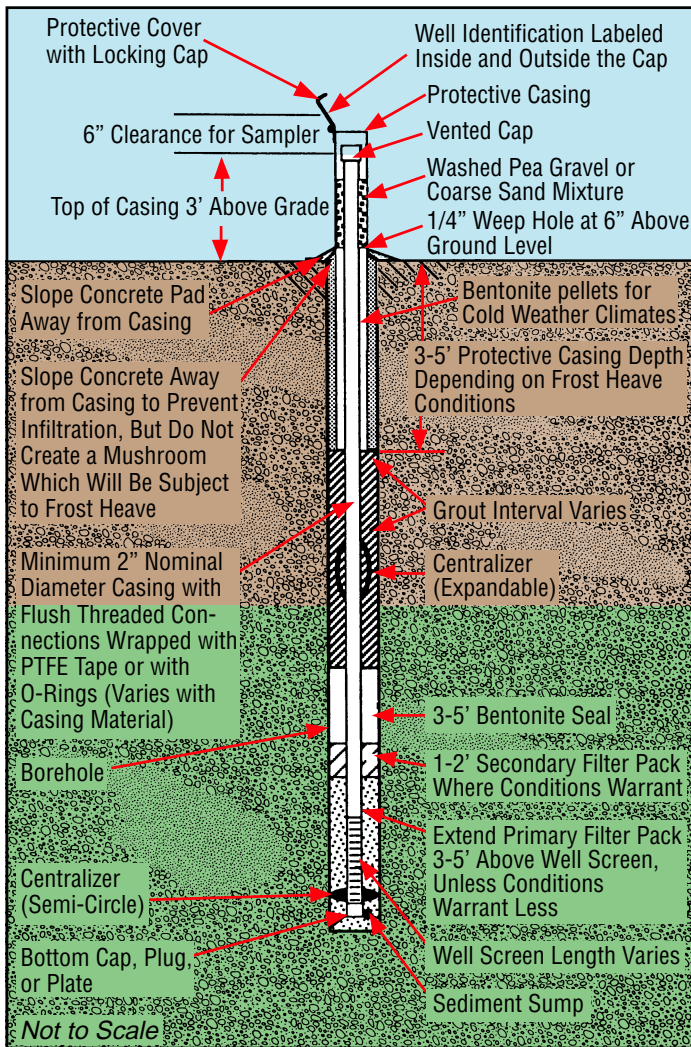


Well Construction Information



Typical monitoring well design components.

Well Volumes

Diameter (Inches)	Gallons/root	Feet/gallon
2	0.16	6.25
3	0.37	2.70
4	0.65	1.54
5	1.02	0.98
6	1.47	0.68
7	2.00	0.50
8	2.61	0.38
9	3.30	0.30
10	4.08	0.245
12	5.87	0.17
14	8.0	0.125
16	10.5	0.095
18	13.2	0.076
20	16.3	0.061
24	23.5	0.043
36	52.9	0.028

Note: Volume of annular space = volume of hole - volume of casing O.D.

WEIGHTS & DIMENSIONS

PVC PIPE & SLOTTED SCREEN Schedule 40

Pipe Size	Pipe OD.	Pipe ID.	App. Ship Wt.	Rows of Slots
1 1/4"	1.660"	1.380"	0.43 lbs/ft.	3
2"	2.375"	2.067"	0.70 lbs/ft.	3
4"	4.500"	4.026"	2.00 lbs/ft.	6
6"	6.625"	6.065"	3.45 lbs/ft.	8
8"	8.625"	7.981"	5.22 lbs/ft.	10

Schedule 80

Pipe Size	Pipe OD.	Pipe ID.	App. Ship Wt.	Rows of Slots
2"	2.375"	1.939"	0.93 lbs/ft.	3
4"	4.500"	3.826"	2.70 lbs/ft.	6

Rig Dimensions and Capabilities

Rig Name	Model	Torque Rating Ft. Lbs.	Length	Width	Height (Mast Down)	Height (Mast Up)	Max. Soil Boring Depth	Max. Monitoring Well Depth	Casing Diameter	Max. Angle Hole Capacity
CME	95	31,000	34'	8'	12'	38'	300'	300' 200'	4" 8"	N/A
CME	75HT	13,000	30'	8'	10.5'	28'	200'	200' 100'	4" 8"	45 deg.
MOBILE	B-61	12,000	30'	8'	11.5'	28'	150'	120'	4"	N/A
MOBILE	B-57	7,000	30'	8'	11.5'	28'	140'	100'	4"	30 deg.
ACKER 4 WD	AD-II	6,500	24'	8'	10.5'	25'	100'	80'	4"	N/A
SOIL MASTER	50	2,000	18'	8'	7.5'	12.5'	60'	50'	2"	30 deg.
CME 75	LIMITED ACCESS	10,000	10'	5'	7.5'	10.10'	140'	140'	4"	N/A
ACKER	LIMITED ACCESS	6,500	13'	5'	8'	12.3'	120'	80' 50'	4" 8"	N/A
SOIL MASTER	LIMITED ACCESS	2,000	10'	5'	5.5'	10.5'	50'	40'	2"	30 deg.
SMEAL	5T Development	N/A	20'	8'	8.8'	24'	N/A	1000'	up to 10"	N/A