System Design Plan for subsurface gravity flow and flood dosed systems must illustrate the following:

Direction of Geographic north
Benchmark elevation location
Final Cover Responsibility
Direction of Slope and document no installation of soil absorption field in any area exceeding 15% slope

Lot:

1. Footprints of all structures
2. Soil boring locations

Show location of System Components and separation from: (410 6-8.2-56)

1. Property lines (5')
2. Streams, ditches, drainage tiles(25')
3. Water lines continually under pressure(10')
4. private water supply wells (50')
5. Commercial water supply well (100')
6. Public water supply well or reservoir (200')
7. Commercial geothermal wells (100')
8. Private geothermal well (100')
9. Other Ponds, retention pond, lake, or reservoir (50')
10. Storm water retention area (25')
11. Suction water lines (50')
12. Buildings, foundations, slabs, garages, patios, barns, swimming pools (above ground & in ground), retaining walls, roads, driveways, parking areas, or paved sidewalks (10')

Soil Absorption Field: (410 IAC 6-8.2-72, 73, 74 & 75)

1. Length of each lateral
2. Number
3. Depth
4. Adequate Backfill soil
5. On contour (must have elevation shots or at grade rod readings of each end of each lateral documented on drawing)
6. Cross section
7. Separation distances

Subsurface Drainage: (410 IAC 6-8.2-63)

1. depth of subsurface drain (elevations documented on corners of subsurface drain)
2. Piping
3. Drain outlet location
4. Outlet depth _____(in inches)(elevation of outlet documented)
5. Separation Distances

Diversion/Swale: 410 IAC 6-8.2-63)

1. depth from original grade
2. pitch (0.2ft per 100ft)
3. Separation Distances

System drawing requirements for elevated systems will be issued individually