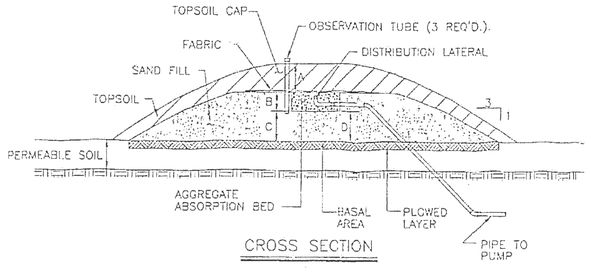
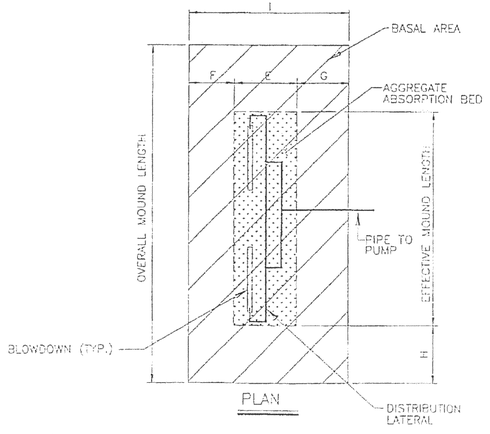


CROSS SECTION



PLAN

MINIMUM DIMENSIONS

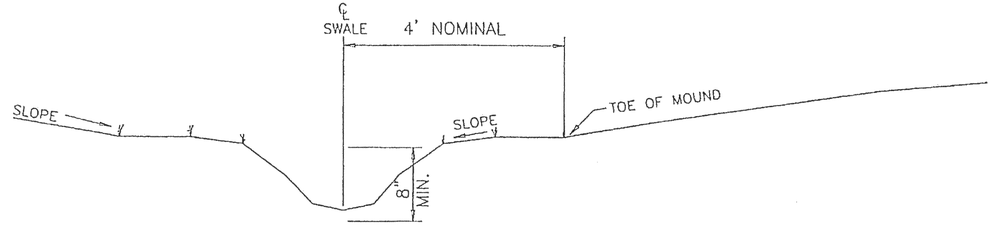
A =	1'-6"
B =	9"
C =	2'-0" (NOTE 1)
D =	2'-0" (NOTE 1)
E =	3'-6"
F =	16'-4" (NOTE 1 & 2)
G =	7'-9" (NOTE 1 & 2)
H =	12'-6" (SEE NOTE 1)
I =	27'-7" (NOTE 1)

NOTES: 1. NOMINAL, ACTUAL MAY VARY WITH GROUND SLOPE.

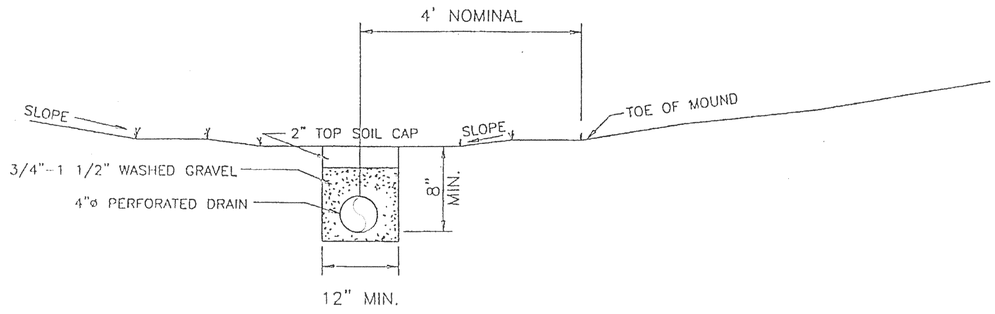
2. G = F ON LEVEL OR NEAR LEVEL BUILDING SITES.

3. BASE FLOW RATE DIVIDED BY THE DIVERSITY FACTOR EQUALS THE DESIGN FLOW RATE. THE DIVERSITY FACTOR ACCOUNTS FOR NON-SIMULTANEOUS PEAKS AND TIMED DOSING.

4. FOR PIPING DETAILS, SEE FIGURE 10.

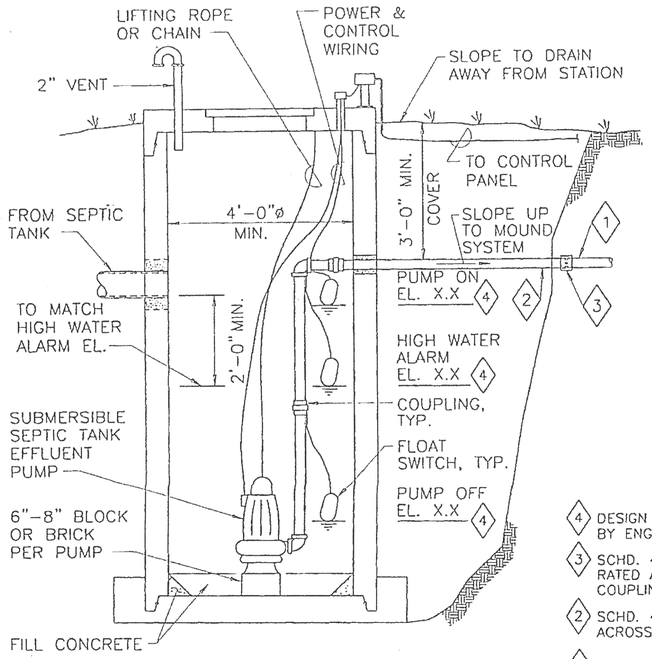


SWALE



CURTAIN DRAIN

SWALES AND DRAINS SHALL OUTLET VIA GRAVITY TO DITCHES OR STORM SEWERS WITH FREE DISCHARGE TO PROMOTE DRAINAGE.



DOSING STATION

NOTES:

1. DESIGN STATION AND BASE TO PREVENT FLOTATION IN AREAS OF HIGH GROUND WATER.
2. ALL JOINTS AND PENETRATIONS SHALL BE WATERTIGHT TO PREVENT INFILTRATION OF GROUND/SURFACE WATER.
3. STATION PUMP SHALL BE DESIGNED TO DOSE MOUND BASED ON THE TABLE BELOW:

	TIME BETWEEN DOSE	MAX. GALLONS PER DOSE
3 BEDROOM	4 HOUR	~60
4 BEDROOM	3 HOUR	~50
5 BEDROOM	3 HOUR	~60

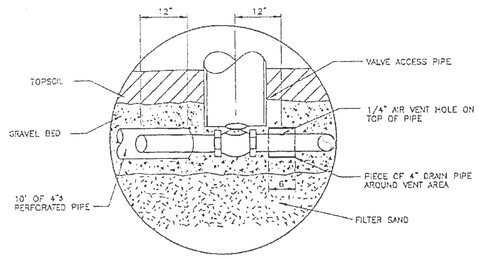
4. FORCE MAIN, DISTRIBUTION LATERAL DESIGN AND DETAILED STATION INCLUDING DIMENSIONS, AND ELEVATIONS SHALL BE SUPPORTED BY CALCULATIONS AND OTHER APPROPRIATE DOCUMENTATION IN PLAN SUBMITTALS.
5. INSTALLATION SHALL MEET ALL APPLICABLE CODES/CRITERIA.
6. CONTROL PANEL WITH VISUAL AND AUDIBLE HIGH LEVEL ALARM SHALL BE LOCATED IN THE GARAGE, BASEMENT OR OTHER SUITABLE INDOOR LOCATION.
7. SPECIAL CONSIDERATION SHALL BE GIVEN WHEN DESIGNING A DOWNHILL PUMPING APPLICATION TO PREVENT SIPHONING. PROVIDE A BLEEDER HOLE TO PREVENT SIPHONING.
8. WET WELL CAPACITY TO ACCOUNT FOR PIPING DRAINING BACK TO DOSING STATION.

4 DESIGN ELEVATIONS BY ENGINEER/DESIGNER.

3 SCHD. 40 PRESSURE RATED ADAPTER COUPLING.

2 SCHD. 40 GALV. STL. ACROSS EXCAVATION.

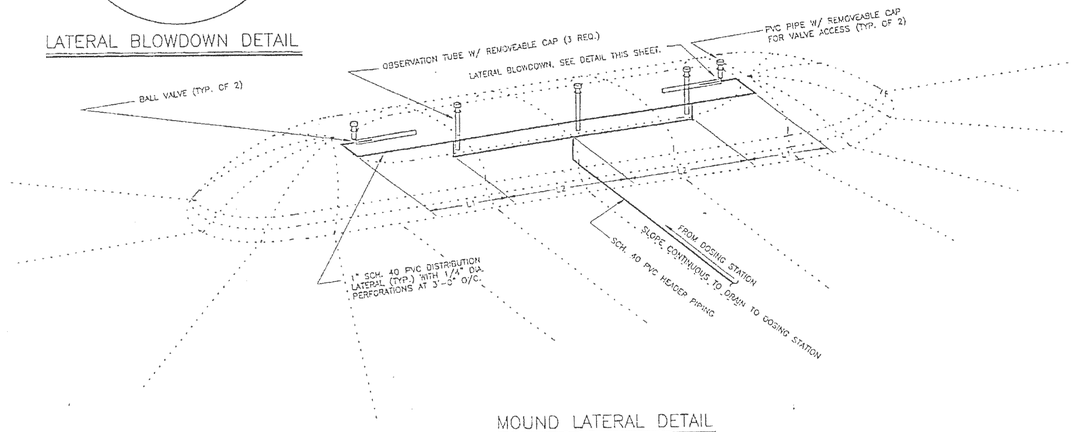
1 SCHD. 40 PVC OR OTHER APPROVED PRESSURE PIPE AND FITTINGS MATERIAL.



LATERAL BLOWDOWN DETAIL

LATERAL DIMENSIONS *		
	L1	L2
3 BEDROOM	35'	40'
4 BEDROOM	40'	45'
5 BEDROOM	45'	50'

* LENGTHS MAY VARY BASED ON ACTUAL MOUND LENGTH, SEE FIGURE 9.



MOUND LATERAL DETAIL

NOTES: 1. ALL FITTINGS & JOINTS, SOLVENT WELD OR SCREWED.
2. SYSTEM DESIGNER TO VERIFY DIMENSIONS AND SIZING OF ALL COMPONENTS.