



THE MOST ADVANCED NAME IN DRAINAGE SYSTEMS



BioDiffuser Bio 2 and Bio 3 chamber cutting and assembly instructions

The Bio 2 and Bio 3 chambers may successfully be saw cut on the centerline of each of the middle three peak corrugations only. The dome or post of the preceding chamber is cut off. The cut end of the chamber is placed over the end of the preceding chamber overlapping the arched end, in shi lap fashion, providing strength to the joint. A self-tapping screw is installed at the top to secure the chambers during the backfilling process. A twelve to twenty-four inch piece of standard septic fabric is draped over the joint. An end plate is then installed on the end as usual. Since we do not designate a chamber inlet or outlet, this cut may be utilized at either end of the chamber (*see drawings below.*)

This cut will primarily be used at the center of the chamber, but may be used with any of the three raised middle corrugations as shown below. The allowable square-footage of area for design purposes would be the length of the functional part times 2 square-feet for the Bio 2, and times 3 square-feet for the Bio 3, or as follows:

- If the cut is made at the first raised corrugation (*see below*), the functional length of the part after overlap will be 24"; therefore a Bio 2 cut in this fashion will be worth 4 square-feet and a Bio 3 will be worth 6 square-feet;
- if the cut is made at the center raised corrugation (*see below*), the functional length of the part after overlap will be 40"; therefore a Bio 2 cut in this fashion will be worth 6.7 square-feet and a Bio 3 will be worth 10 square-feet;
- if the cut is made at the third raised corrugation (*see below*), the functional length of the part after overlap will be 64"; therefore a Bio 2 cut in this fashion will be worth 10.6 square-feet and a Bio 3 will be worth 16 square-feet.

