

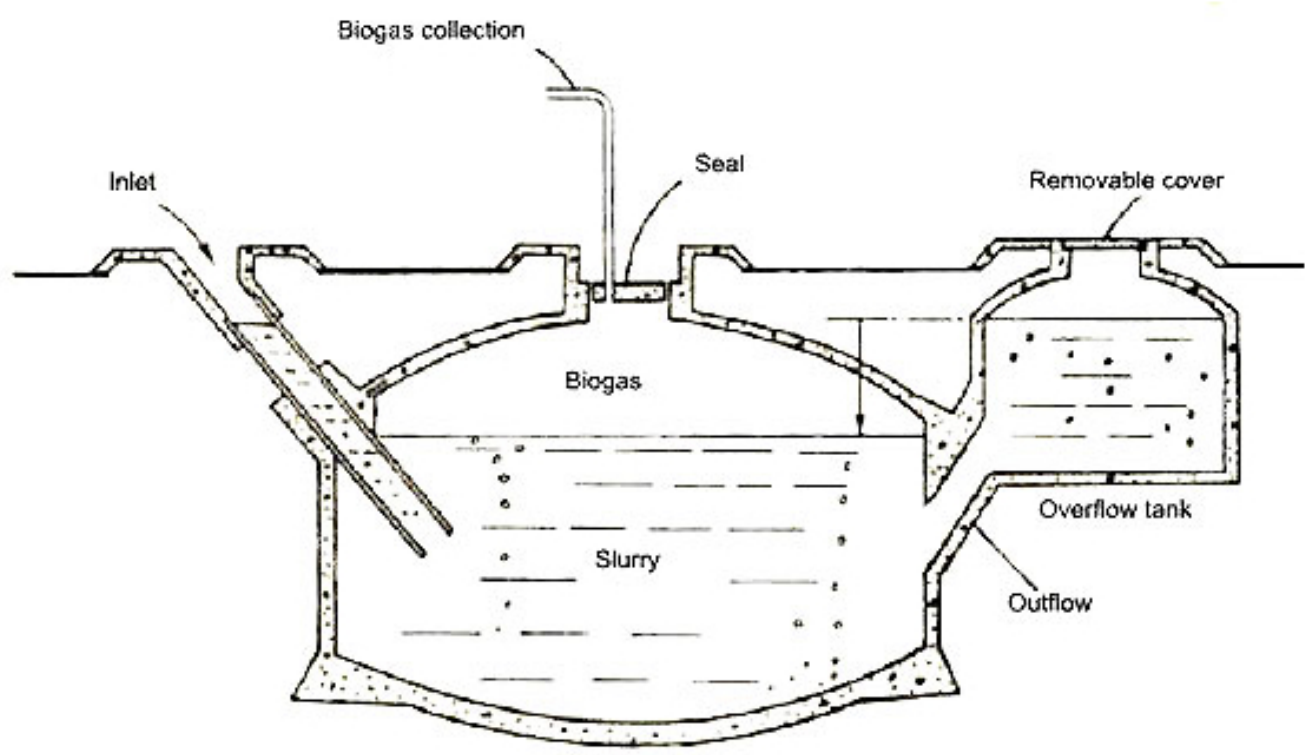
the living community

cristina ungureanu sole mendez benjamin brandin debmalya guha



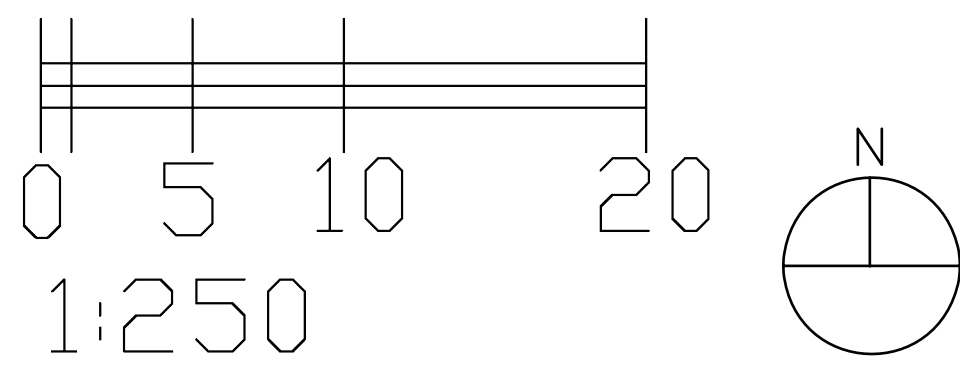
BIOGAS CAPTURING

Our design integrates community-level blackwater collection and processing for the production of biogas. Research shows that the sewage waste of approximately 15 persons (or nearly 6 families) could produce enough biogas to fuel the heat of cooking needs of one conventional family. These collection and processing systems can be installed beneath landscape in an array of density settings. The plot represented on the left appears on our site, in various but similar forms, and is well-suited to this form of energy production.

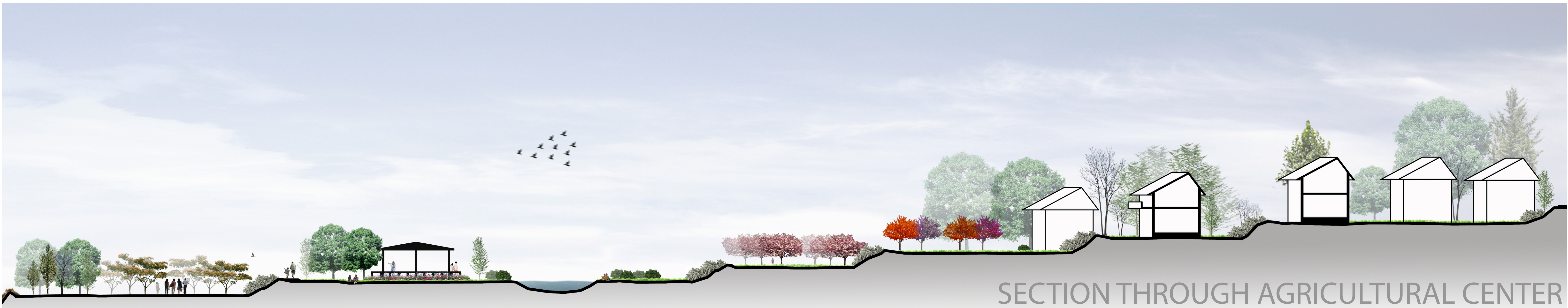


Capacity of Biogas Plant (cu.m.)	No. of Persons maybe served	Quantity of Night soil (Kg)	No. of Persons
1	2-3	25	10-15
2	4-6	50	20-25
3	7-9	75	30-35
4	9-12	100	40-45
5	12-15	125	45-50
6	14-17	150	50-60

Source: Department of Civil Engineering, Punjab Agricultural University, Ludhiana 141 004, Punjab, India



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SECTION THROUGH AGRICULTURAL CENTER



SECTION THROUGH BOULEVARD

