

Completed Restroom Facility



Village Water Supply



Villagers working on a past bathroom project



Livingston Rotarian, Dr. Reid attending a Rotary meeting in Bolivia



Bathroom Costs:

This first table shows donated materials (purchased by GMEF). Each bathroom "costs" GMEF \$184.

The second table is the family's contribution of materials.

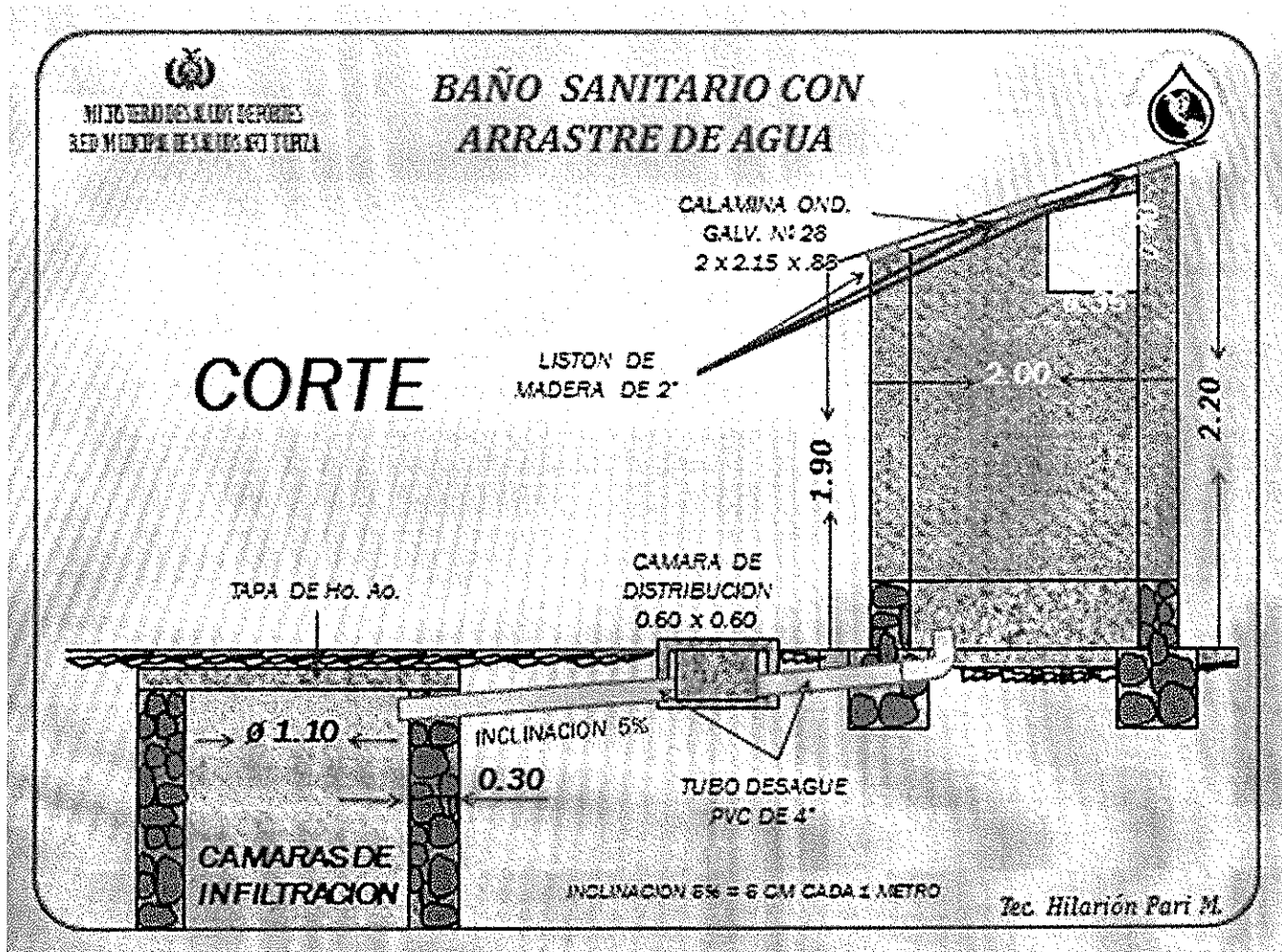
The transportation of materials is valued at \$500 - \$1200 depending on the distance of the community from the central town of Tupiza, and 100% of the transportation costs are donated by the local government. Lastly, education on the construction, use (hand-washing etc) and maintenance is provided at no cost to the community or to GMEF by the Ministry of Health and the Department of Environmental Health.

	DESCRIPCION ITEM	Bolivianos	Dollars
1	Cemento portland/ Cement	360.00	52.55
2	Fierro de construcción de ¼"/rebar	120.00	17.52
3	Listón de construcción de 2"/ 2"x4" boards	37.50	5.47
4	Calamina ondulada Galv. Nº 28 / tin roofing	150.00	21.96
5	Inodoro /Toilet	375.00	54.74
6	Lavamanos /Sink	58.00	8.47
7	Chicotillo/tubing to sink	15.00	2.18
8	Tubo desagüe de PVC de 4" / Tubing	80.00	11.68
9	Codo desagüe de PVC de 4"/U Tube	10.00	1.46
10	Tubo desagüe de PVC de 1 1/2" / tubing	12.00	1.75
11	Codo desagüe de PVC de 1 1/2"/ tubing	5.00	.73
12	Tubo rosca PVC DE 1/2"/tubing nipple	18.00	2.63
13	Sifón para lavamanos/ drain for sink	30.00	4.38
14	Grifo para lavamanos/ sink handles and tap	30.00	4.38
15	Cemento blanco/plaster to set toilet	6.00	.88
16	Bloque de cemento de 12 cm. 3 H./ cement blocks	14.00	2.04
17	Pegamento/PVC glue	2.40	.35
		1262.90Bs	\$184.36

Individual Family Contribution: Approximately \$10 contribution is asked of each family in addition to all of the labor.

	DESCRIPCION ITEM	C/PARCIAL	Cost dollars
1	Codo rosca PVC de 1/2" / PVC connector	25.00	3.65
2	Te rosca PVC de 1/2" /t-connector	5.00	.73
3	Niple rosca PVC de 1/2" / PVC nipple connector	10.00	1.46
4	Alambre de amarre/ Wire	3.00	.44
5	Clavos/ Nails	10.80	1.58
6	Clavos para calamina? Roofing Nails	16.20	2.36
70.00Bs			\$10.22

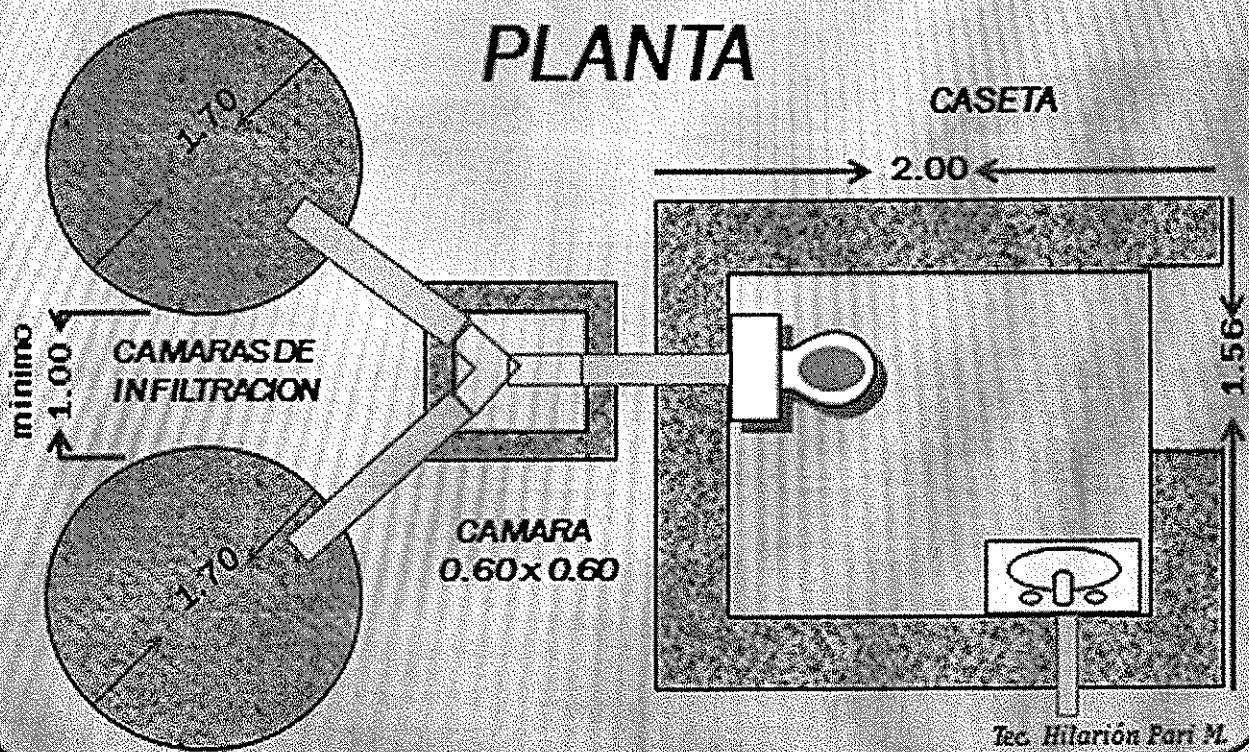
Plans for Bathrooms:



BAÑO SANITARIO CON ARRASTRE DE AGUA



PLANTA



Tec. Hilarión Fari M.

This man is standing in front of the pits he has dug and lined with rocks to promote drainage and allow for evacuation when full. Next to him lay the tops he has constructed from concrete and rebar using molds that GMEF loans to each community.



The toilet empties into one pit until it is full (2-4 years for a family of 8+). Once full the pipe to the first pit is plugged and the second pit is then used. Once the second pit is filled, the first is dry and sterile and can be emptied with the waste used for fertilizer.



Two examples of completed bathrooms: both are constructed from adobe bricks.

