

FINAL REPORT
STAGE 1
EL MANEADERO PROJECT
INTIBUCÁ, HONDURAS C.A.



THANK YOU WEFTA AND DONORS!!
THE MAIN WATERLINE
OF THE EL MANEADERO PROJECT IS A REALITY

THANK YOU FRIENDS!!

FOR: WATER ENGINEERS FOR THE AMERICAS
AMERICAN CHEMISTRY COUNCIL
VINYL INSTITUTE
FROM: ENRIQUE LOZANO / FIELD REPRESENTATIVE HONDURAS
SUBJECT: EL MANEADERO PROJECT
DATE: SEPTEMBER 17, 2012

With satisfaction I can report that as of Thursday, August 30, the last of the 3" SDR 26 PVC main transmission line, known as Phase 1 of the El Maneadero project, has been installed.

Work had started in the month of May, following the engineering design approved by **WEFTA**, along the only alignment that topographically allows flow of water via gravity from the water source to the storage tank and chlorinator. The topographic conditions, natural terrain elevations, and the difference of levels, determined the selection of the mainline design. Previous reports refer to construction activities from the spring site to the final point where pipe had previously been installed with the first disbursement of funds from WEFTA.

It was necessary to install 260 meters of pipe to the new storage tank, and with the donations received from the American Chemistry Council, Chlorine Chemistry Division and The Vinyl Institute, this section was completed.

Throughout the construction process, Mr. Fernando Valle of Save the Children and his team worked together with the neighboring beneficiaries of the project in an orderly and efficient way, respecting at all times the design specifications, and ensuring good quality construction. Andrew Robertson visited us in May and could verify above-mentioned work was performed to his satisfaction.

The total length of the line is of 3,200 linear meters, consisting of PVC SDR26 pipe of 3 and 4 inches in diameter, manufactured by AMANCO, a high quality PVC pipe manufacturer.

Of the funds received, there is a limited amount of funds that will be used to buy PVC SDR26 pipe to replace some damaged sections in the current distribution system.

It is important to note the active participation of the Chairman of the Board, Don Luis Dominguez, the President of the Water Board, Don Mario Mendez, managers and all members the community in general, which was essential for the proper execution of the work.

Also, the hard work and dedication of Mr. Fernando Valle, regional director of Save the Children, Lic. Ely Cantarero, administrator and his team; all of whom have acted diligently and with great responsibility.

In this way, an important stage of a vital project for the community has been completed, thanks to the determined participation of all; some with their labor, others with financial contributions, for many at a very high cost given the difficulty of the economic crisis we are going through. The gesture of allocating money that each family desperately needs to feed their children is very

poignant. We all know that the majority of the beneficiaries of this water system are very poor and survive making humble, but honest livings. We send our acknowledgement and appreciation to everyone for their sacrifices.

It is important now to remind the people of the community that they must take care of their water system, and make rational use of this valuable resource that every day decreases in quality and quantity worldwide. It will be necessary that they organize very well as a community and strengthen their efforts via partnerships with training organizations as they manage and preserve their most important resources.

Their administrative water board must abide by the legal, technical and administrative guidelines set forth in the **FRAMEWORK LAW FOR DRINKING WATER AND SANITATION OF THE SECTOR**, complying with the provisions and recommendations of the **ERSAPS**, as a source to improve its administrative capacity and to address and resolve conflicts.

Everyone involved thanks **WEFTA, AMERICAN CHEMISTRY COUNCIL AND VINYL INSTITUTE** for the opportunity to join efforts to create a better world, raising the quality of life of our fellow human beings through the availability of drinking water. With **GOD's** help we will continue working toward these goals.

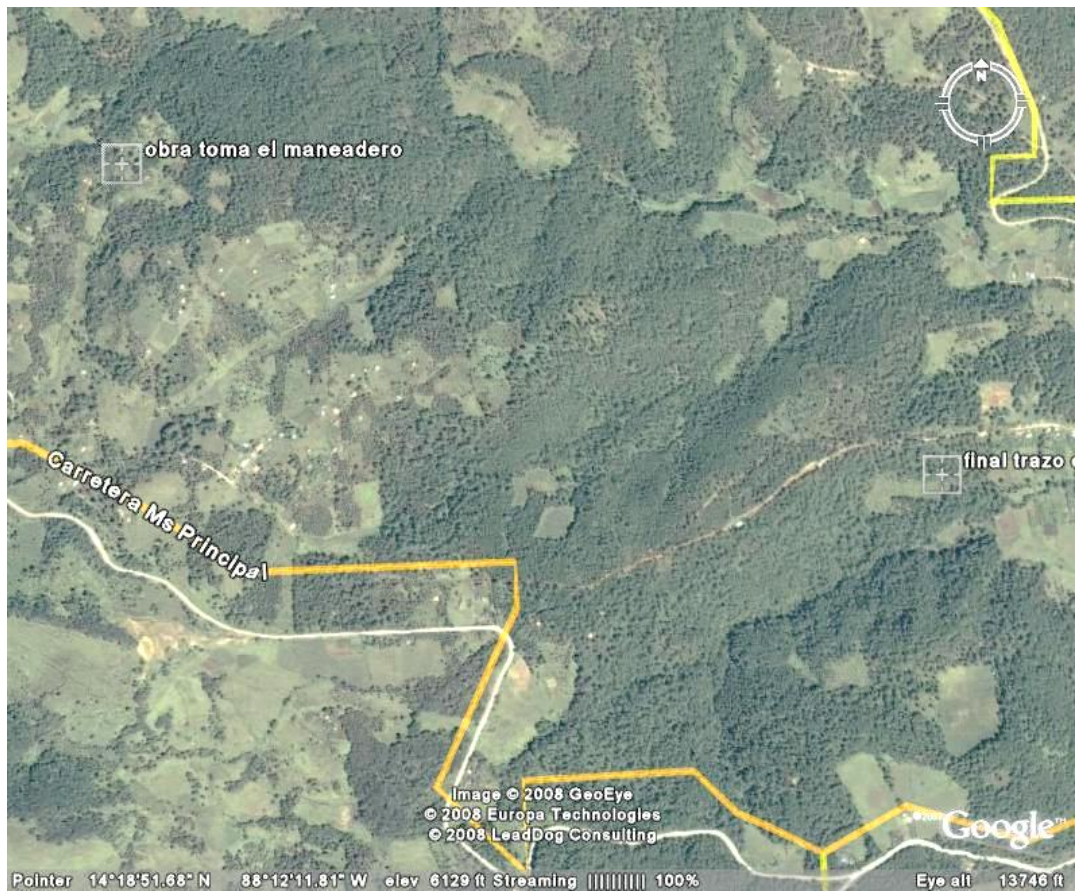
SPECIAL THANKS

To the Honorable Municipal Corporation of Yamaranguila, for their valuable collaboration. To the regulatory entities of water and sanitation, to the urban water board and the owners of the spring site, for generously sharing the gifts that God has given us, their experience and solidarity.

To the Honorable Municipal Corporation of Intibuca, for their collaboration and the successful appointment of Eng. Pedro Javier Gomez Pineda as Supervisor of the work and for all your help the community.

To the technical and administrative personnel of the controller entity of drinking water and sanitation services (**ERSAPS**) who are appreciated for the technical assistance that they provided to the administrative water board of El Maneadero, so its supply system may have optimum performance and is self-sustaining, so that all current and future people in the area have access to safe water.

The following photos display different stages of work pertaining to the final sections of construction, the participation of the members of the community, technology used, and interesting construction details.



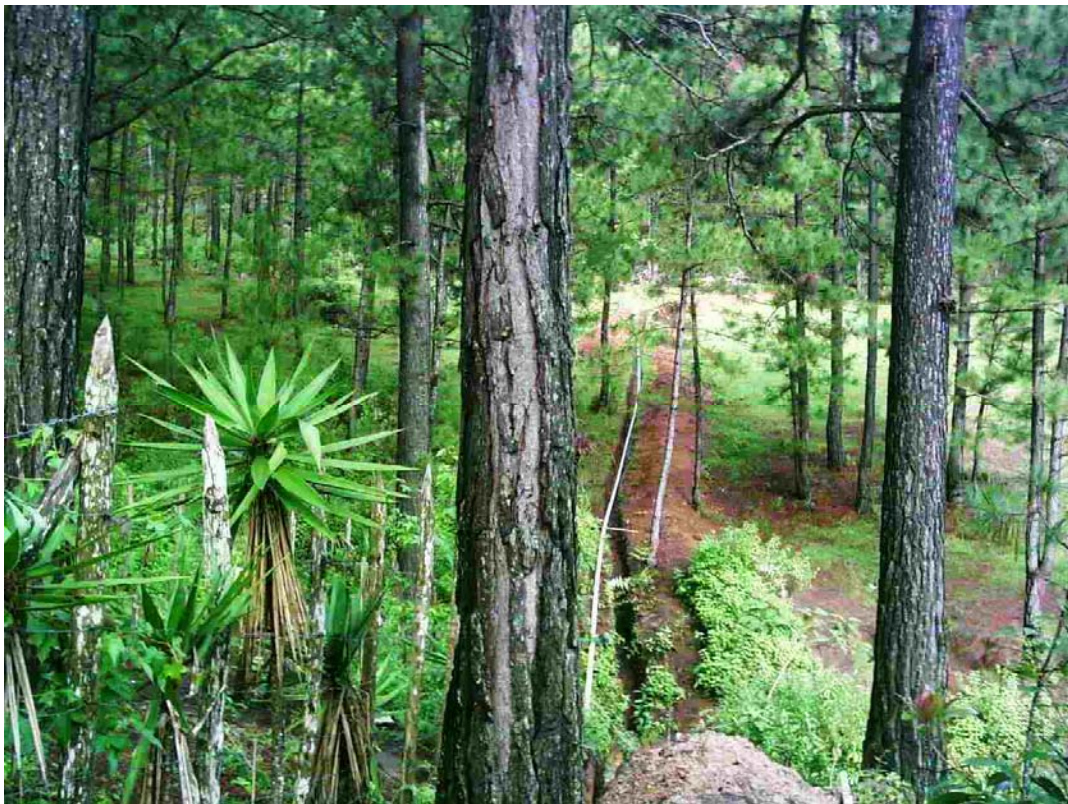
Satellite image showing the water source and mainline to the new storage tank



Section of the mainline between spring source and storage tank



Once laid, the pipe trench is backfilled



This section is near the storage tank



The waterline in amongst a beautiful pine forest



Due to rains the trenches would fill with water but very little mud



The storage tank at the end of the main transmission line



Part of the team that performed the work



The waterline arriving at the water tank



The old PVC drainage pipe has been removed, stored carefully and readied for another use



As can be noted, the old main transmission line was drainage pipe (DR 64)



The new pipe is SDR26 PVC



The new PVC pipe is made by AMANCO de Durman



This 4" PVC SDR26 pipe was located in an extension of the distribution system to provide water to another sector of the community. Due to very hard soil conditions it was necessary to use a backhoe in this area.



Location of the new pipeline at Station 0+00 near the beginning of the distribution system



Members of the community working actively on the project



Road cut at Station 0+300



Backfilling of pipeline by community members



The president of the community, Don Luis Domínguez, always attentive to assure the best execution of the work



Ing. Fernando Valle personally directing the work in the field



Concrete valve box



Construction of the covers to the valve boxes



Homes at the highest part of the community that don't have access to water.
With the expansion of the distribution system, they will now have water.

MUCHAS GRACIAS A TODOS

Cc: Municipal Corporation of Intibucá / Ing. Pedro Javier Gomez Pineda
ERSAPS Intibucá
Municipal Corporation of Yamaranguila
ERSAPS Yamaranguila / Adalid Diaz A.
Administrative Water Board of Yamaranguila
Save the Children Honduras
Patronato Pro Improvement District of El Maneadero
Administrative Water Board of El Maneadero
Arch.