

# Filter of Hope

Jason Phillips – City of Findlay  
Daryl Bowling – USG Water



World Water  
Crisis

**Thank you for  
what you do!**

# World Water Crisis

- 2.2 billion people lack access to safe water
- 1.7 billion people (1 in 4) lack access to a toilet
- Women and children spend a combined 226 million hours per day collecting water
- The average person in rural Africa walks 3.7 miles per day to haul 5 gallons of water
- 1 million people each year die from waterborne diseases
  - Every 2 minutes, a child dies from water-related disease.

\*Statistics from World Vision and Water.org

















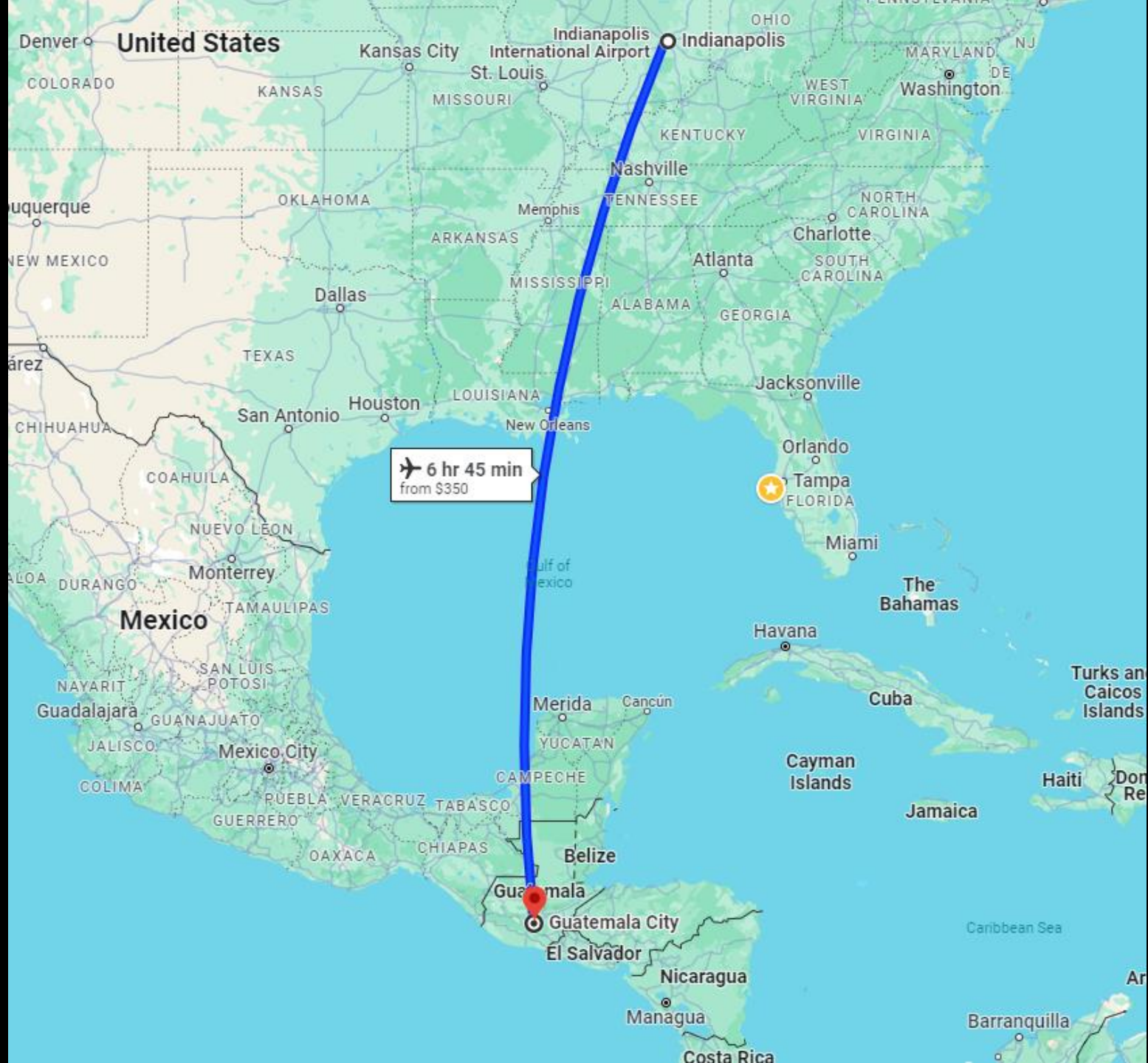


World Vision

# CONCRETE TOWER

STORAGE CAPACITY: 7000 Litres  
DATE COMMISSIONED: 19TH AUGUST, 2022  
SUPPORTED BY

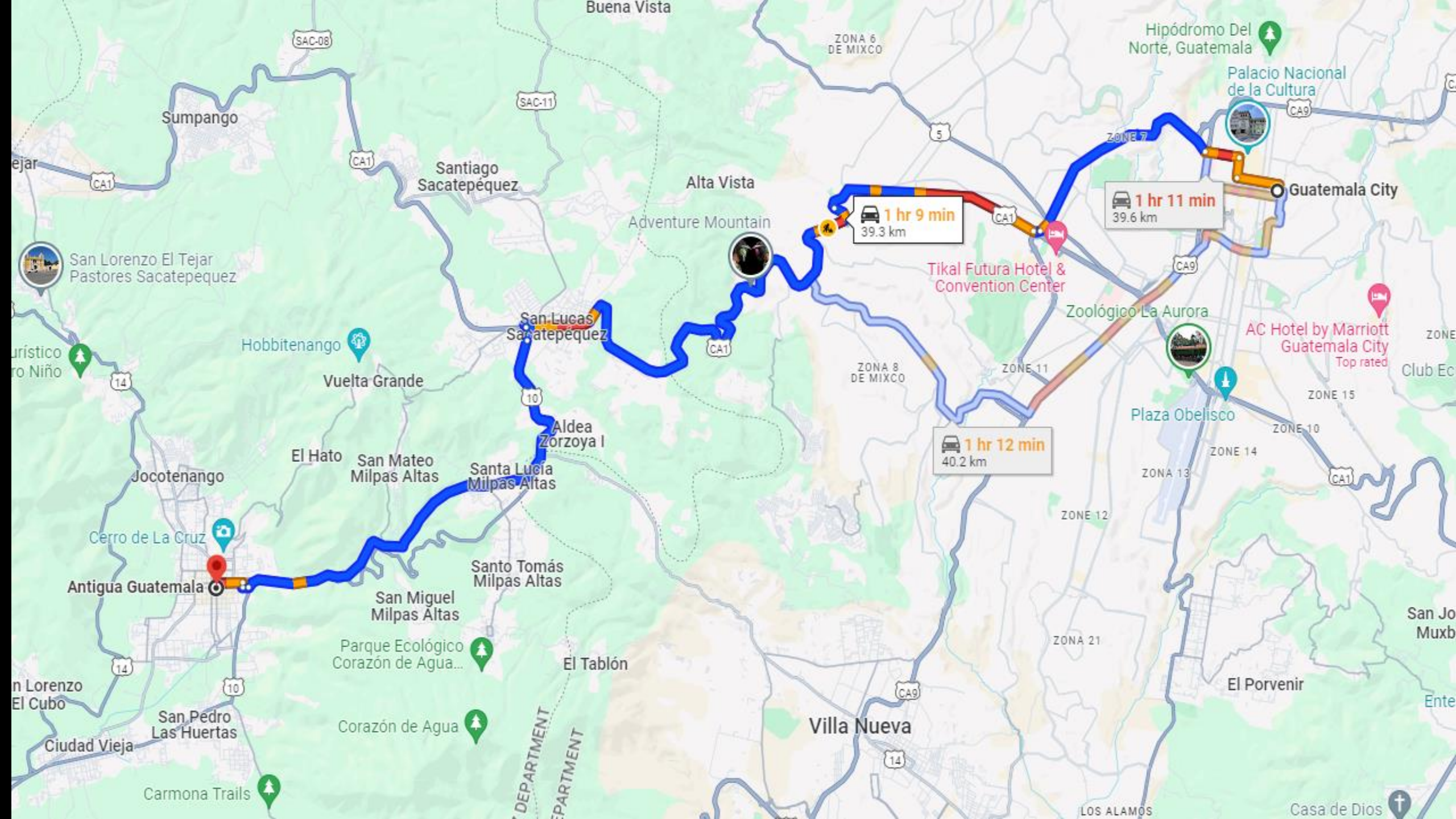
NORTH VIEW CHURCH - USA



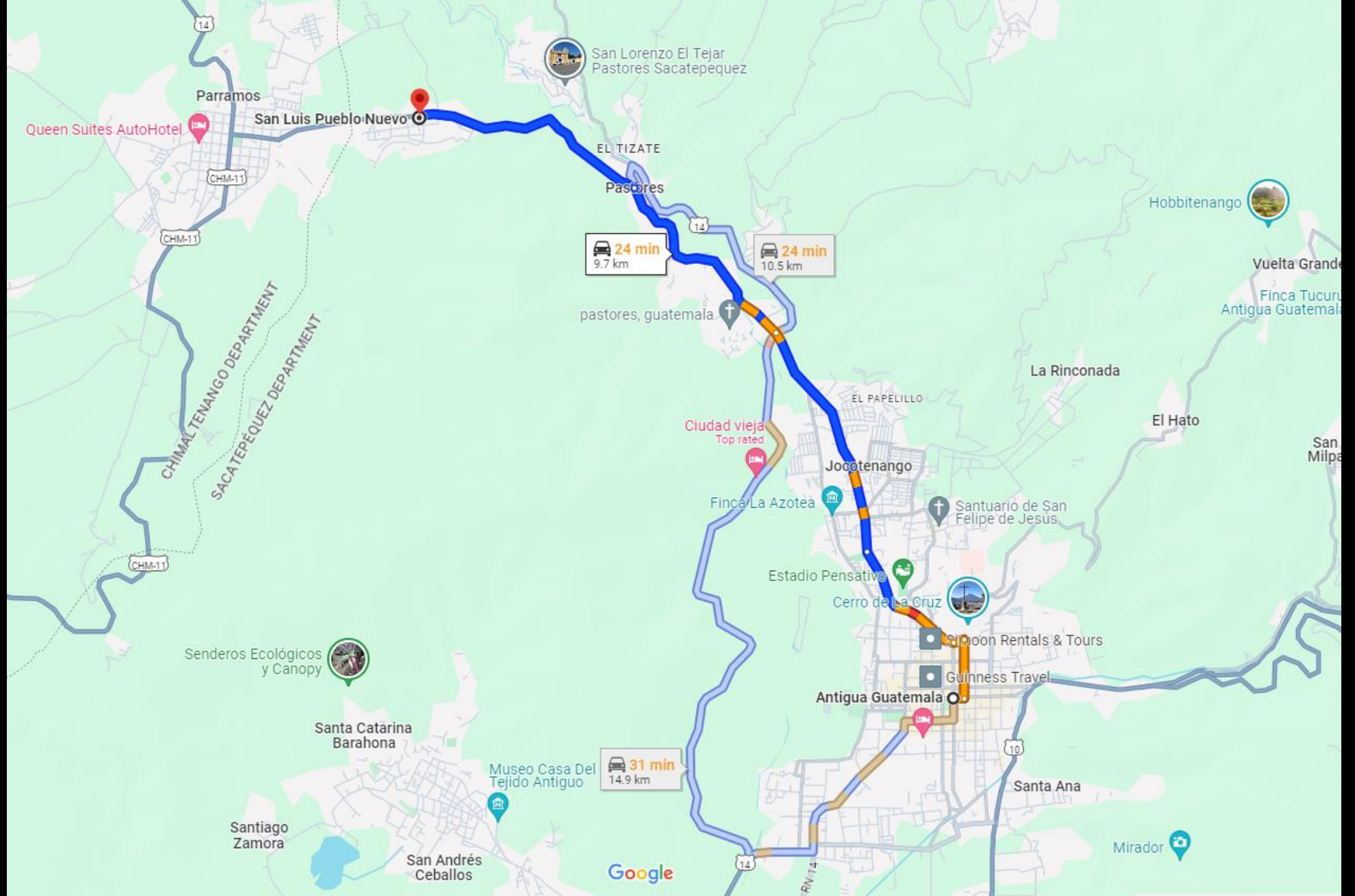
















Condominio  
Las Jacarandas

Aserradero EbenEzer

Aserradero y fabricación  
de maquinaria Eben Ezer

HOGAR DE  
REHABILITACIÓN...

Inab Sacatepéquez

Jardines de Parramos

Hotel y Restaurante  
San Luis

Campo de fútbol  
de San Luis Pueblo...

San Luis  
Pueblo Nuevo

Cervepunto

Iglesia Asamblea De Jesús

Casa Chapina Francesa

Descubre Nuestra Cultura

Utum



**Let's take a look at the filter for a minute**

# We leverage the same technology used in kidney dialysis—hollow fiber membranes.

“Hollow fiber membranes” sound sort of complicated, but they’re actually quite simple—and remarkably effective.



## Here's how they work:

### Made to Filter

Each small filter is packed with tiny, hollow, perforated tubes. The perforations are just 0.1 micron in diameter.

### Cleans the Water

Dirty, contaminated water enters the tubes, passes through the holes, and exits the filter as crystal clear, clean water!

### Removes Bacteria

Harmful bacteria and microorganisms are simply too large to fit through the holes, so they remain inside the filter casing and are then removed by routine back-flushing.

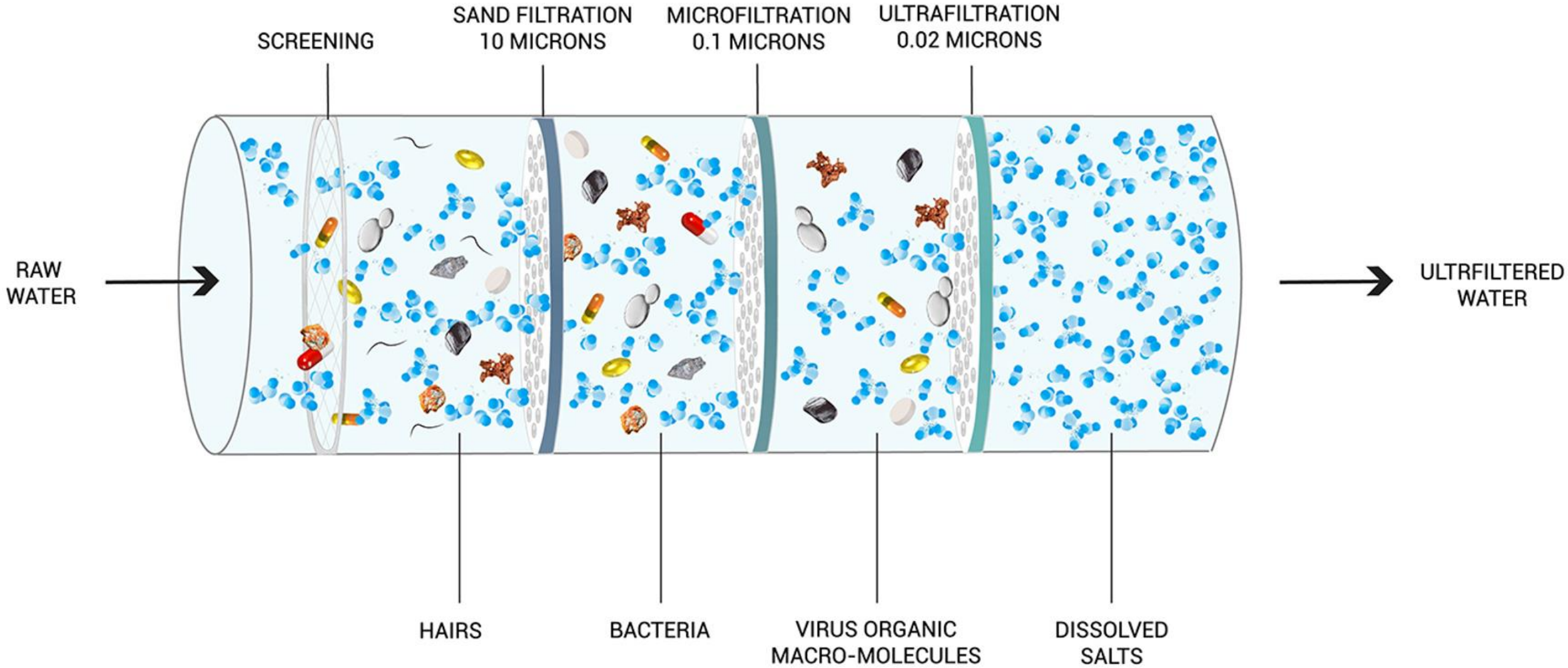
A young child with dark skin and a joyful expression is shown from the chest up. They are wearing a bright red, sleeveless shirt. In their right hand, they hold a clear plastic cup filled with water. The background is a soft-focus outdoor scene featuring a body of water, green foliage, and some pink flowers. The overall lighting is bright and natural, suggesting a sunny day.

## How effective is “effective”?

E. Coli is one of the smallest and most harmful bacteria known to exist. At 0.3 micron in diameter, it's 3 *times* the size of the pores in our filters!

The Filter of Hope water filter is 100% effective in removing all harmful bacteria and microorganisms.















































































Let's do a quick demonstration of how the filter works























**Can you think of any reason to use this filter in the United States?**





 WESTERN NC





Hurricane Helene relief • Filter of Hope

September 27, 2024







Tap water in Asheville region still unsafe to drink 1 month after Hurricane Helene

**NORTH FORK RESERVOIR**  
**BLACK MOUNTAIN, NC**  
**OCT. 4**



Info



©CBS NEWS 24/7

**THE DAILY REPORT**

**TAP WATER IN ASHEVILLE, NORTH CAROLINA REMAINS  
UNSAFE TO DRINK AFTER HURRICANE HELENE**















Thank You!

