

# BEFORE AND AFTER PHOTOS



START OF THE PROJECT AT APENGAGH AVENUE



NEW SEWER MANHOLE 2 ALONG APENGAGH AVENUE



NEW SEWER MANHOLE 1 ALONG APENGAGH AVENUE

## OLEAI SEWER LINE REPLACEMENT

**PROJECT SCOPE:** The project scope was to replace the existing bypass system, remove the damaged sewer manholes and eliminate the effluent coming from the old asbestos pipes along the Apengagh Avenue. This work was done in accordance with the scope of work base from the approved plans, drawings, and specifications

# ***ORIGINAL CONDITION OF THE OLEIA SEWER LINE REPLACEMENT PROJECT***



OLD ASPHALT ROADWAY AND THE STARTING POINT OF THE PROJECT AT THE BACK OF BEST DEAL MERCHANDISE ALONG APENGAGH STREET (GOING SOUTH)



OLD ASPHALT ROADWAY (LOCATION OF THE NEW SEWER MANHOLE 2) IN FRONT OF RNV APARTMENT ALONG APENGAGH STREET (GOING SOUTH).

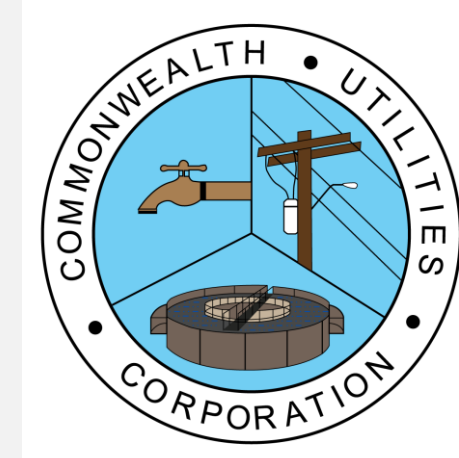


OLD ASPHALT ROADWAY AND LOCATION OF THE EXISTING SEWER MANHOLE 1 AT THE BACK OF NEW DOWNTOWN MARKET ALONG APENGAGH STREET (GOING SOUTH).



END OF THE PROJECT CONNECTING THE OLD AND NEW INSTALLED SEWER MANHOLE ALONG APENGAGH STREET (GOING SOUTH).

The “Oleai Sewer Line Replacement Project” aimed to prevent effluent from escaping through the existing CUC sewer line system. This overflowing waste causes contamination during rainy days, along with the ponding of rainwater on the road surface. The CUC used an improvised bypass system whenever the domestic sludge started to fill up the existing sewer manholes. Additionally, a foul odor was also encountered during this event, prompting residents to complain. Lastly, this overflow contaminated the nearby ground surface and potentially caused illness among residents.



# ***CONSTRUCTION ACTIVITIES ON THE APENGAGH AVENUE***



LIFTING AND INSTALLING OF NEW CONCRETE SEWER MANHOLE 1



EXCAVATION AND INSTALLATION OF TRENCH SHIELD.



INSTALLATION OF 12" SEWER PIPE AND LATERAL STUB OUT.



LIFTING AND INSTALLING OF SEWER MANHOLE 2.



LAMP TEST FOR THE NEW SEWER MANHOLE 1 AND 2



MANDREL TEST FOR THE NEW SEWER MANHOLE 1 AND 2



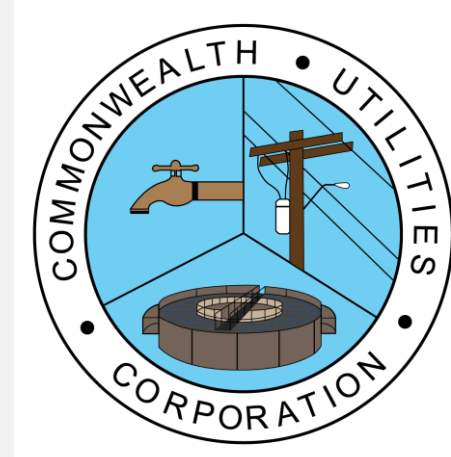
PRESSURE TEST FOR THE NEW SEWER MANHOLE 1 AND 2



CONCRETE ACTIVITIES FOR THE FLOWABLE FILL

The construction activities in the "Oleai Sewer Line Replacement Project".

1. Installation of new sewer manholes 1 and 2.
2. Excavation and installation of trench shield.
3. Installation of 12" sewer pipe and lateral stubs
4. Lamp test for the new sewer manhole 1 & 2.
5. Mandrel test for the new sewer manhole 1 & 2.
6. Pressure test for the new sewer manhole 1 & 2.
7. Concrete activities for the flowable fill.



# ***CONSTRUCTED OLEIA SEWER LINE REPLACEMENT PROJECT***



NEW ASPHALT ROADWAY AND THE START OF THE PROJECT LOCATED AT THE BACK OF BEST DEAL MERCHANDISE ALONG APENGAGH STREET (GOING SOUTH).



LOCATION OF THE NEW INSTALLED SEWER MANHOLE CONNECTED TO THE EXISTING SEWER MANHOLE 2 GOING TO SAN JOSE CHURCH ALONG APENGAGH STREET. (GOING NORTH).



NEW ASPHALT ROADWAY AND LOCATION OF THE NEW INSTALLED SEWER MANHOLE 1 GOING TO SAN JOSE CHURCH ALONG APENGAGH STREET. (GOING NORTH).



NEW ASPHALT ROADWAY & END OF THE PROJECT FROM THE EXISTING SEWER MANHOLE 1 CONNECTED TO THE NEW INSTALLED NEW SEWER MANHOLE 1 ALONG APENGAGH STREET (GOING NORTH).

The completed “**Oleai Sewer Line Replacement Project**”, installed two new sewer manholes connected with a new 12” sewer main line with fittings to connect to future households. Once the new sewer manhole is energized, the Commonwealth Utility Company (CUC) will remove the old bypass system. Future households along Apengagh Street without a septic tank on their property can request that CUC connect them to the new sewer system.

