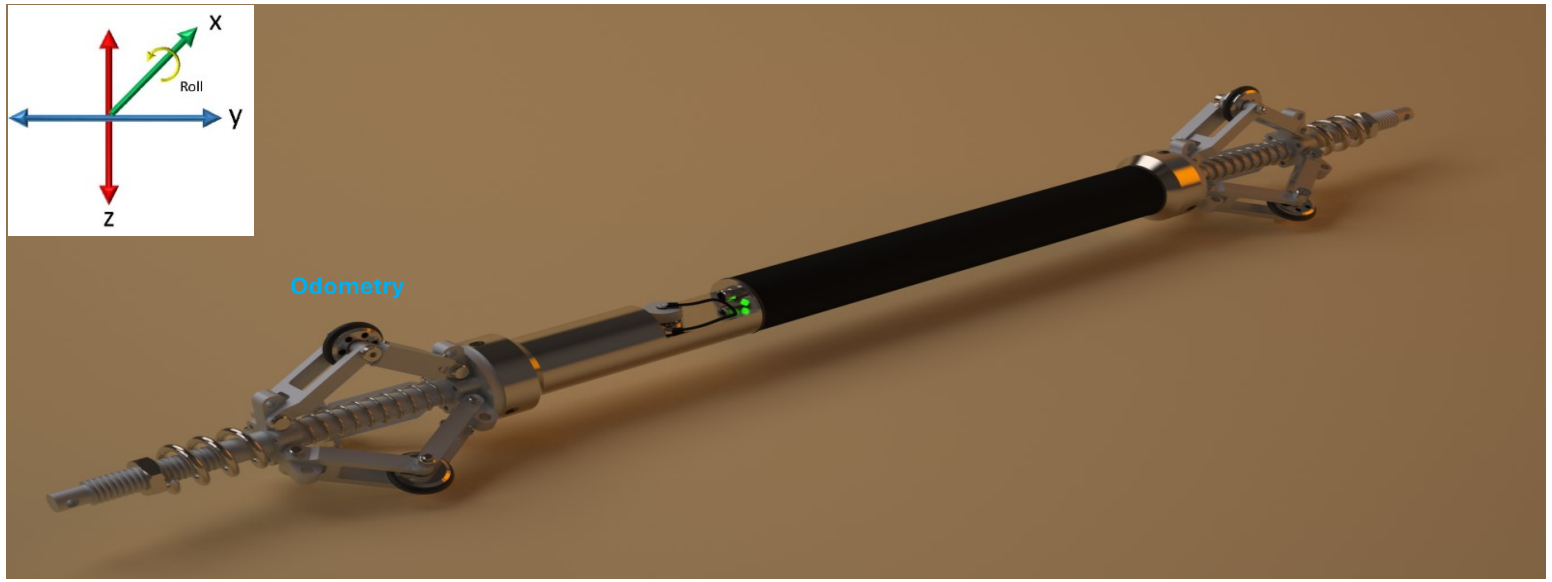
Gyroscopic In-Pipe Mapping Technology

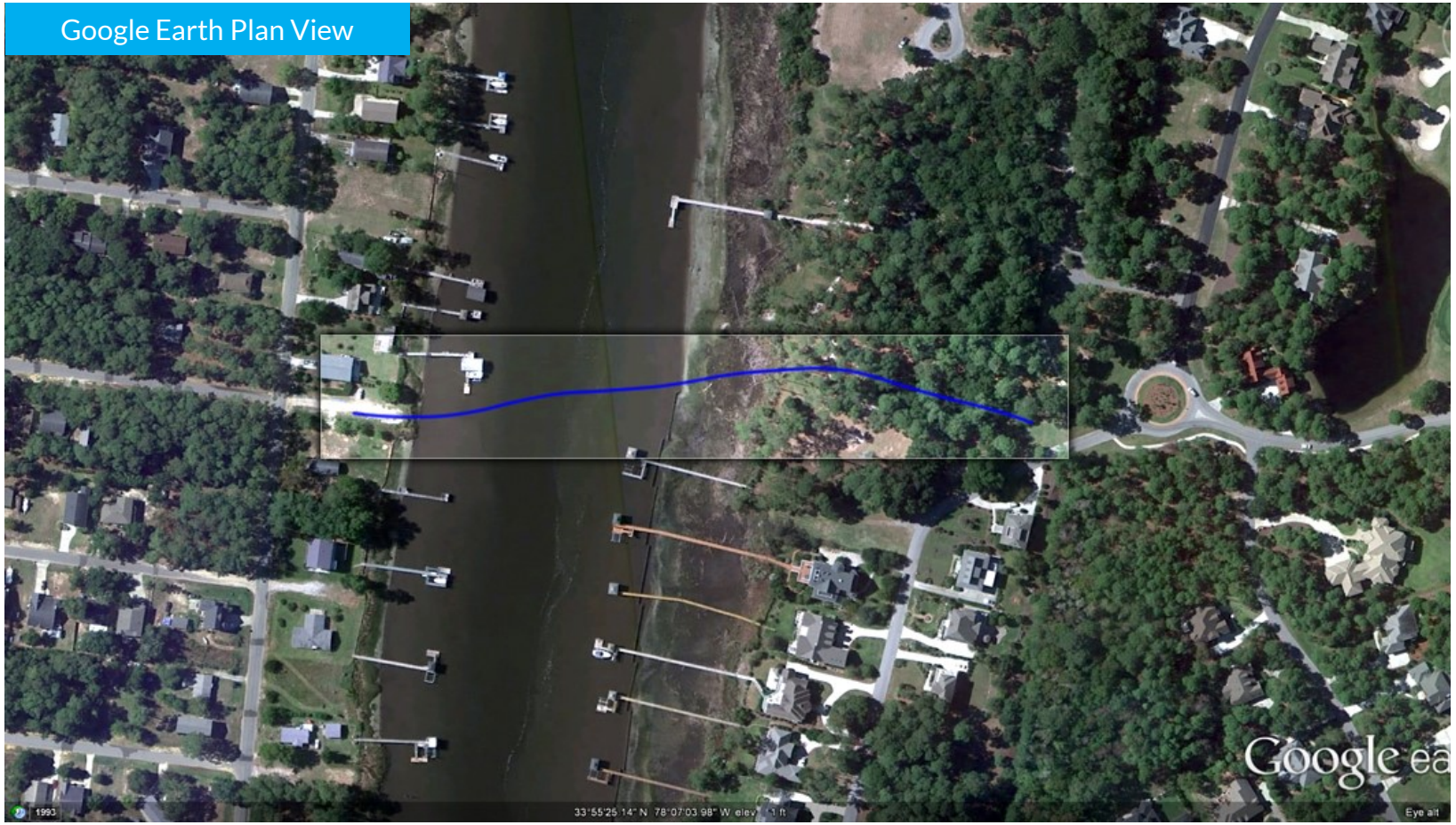
Gyroscopic Mapping

- Gyroscopic Mapping: Utilizes the combination of multiple Gyroscopes, Accelerometers, and Linear Tracking Odometry collecting 3D Positional (XYZ) data at the rate of 100 samples/sec (100hz).
- 3D Positional Data can also be described as Roll, Pitch and Azimuth/Heading
- Each sample collected by the AMP contains the angular change in each dimensional plane (XYZ) along with the velocity and exact distance of that angular change.



Project Example

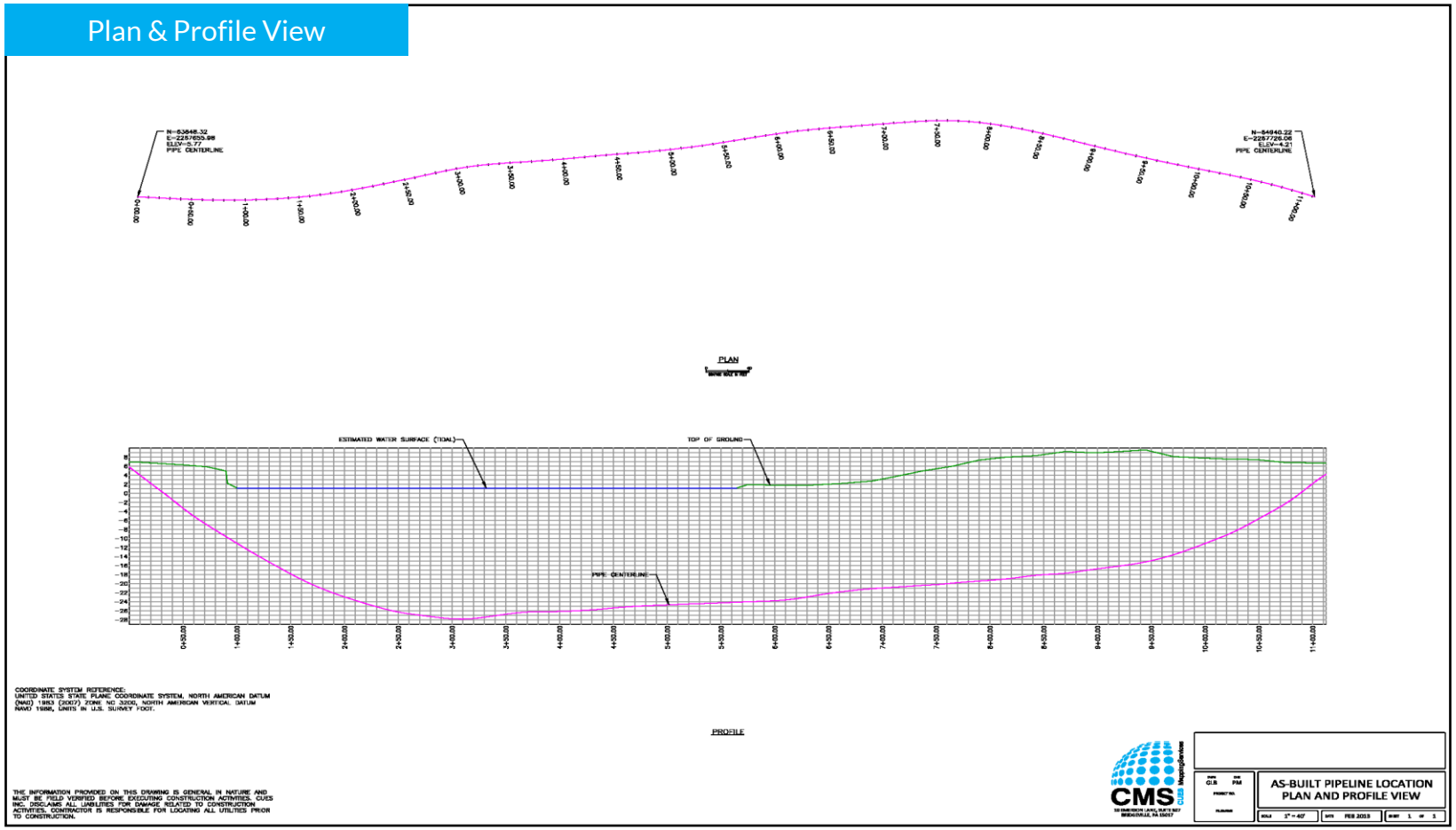
12-inch Domestic Water HDD, Oak Island NC



Project Example

12-inch Domestic Water HDD with Ground Surface Features, Oak Island NC

Plan & Profile View



Project Example

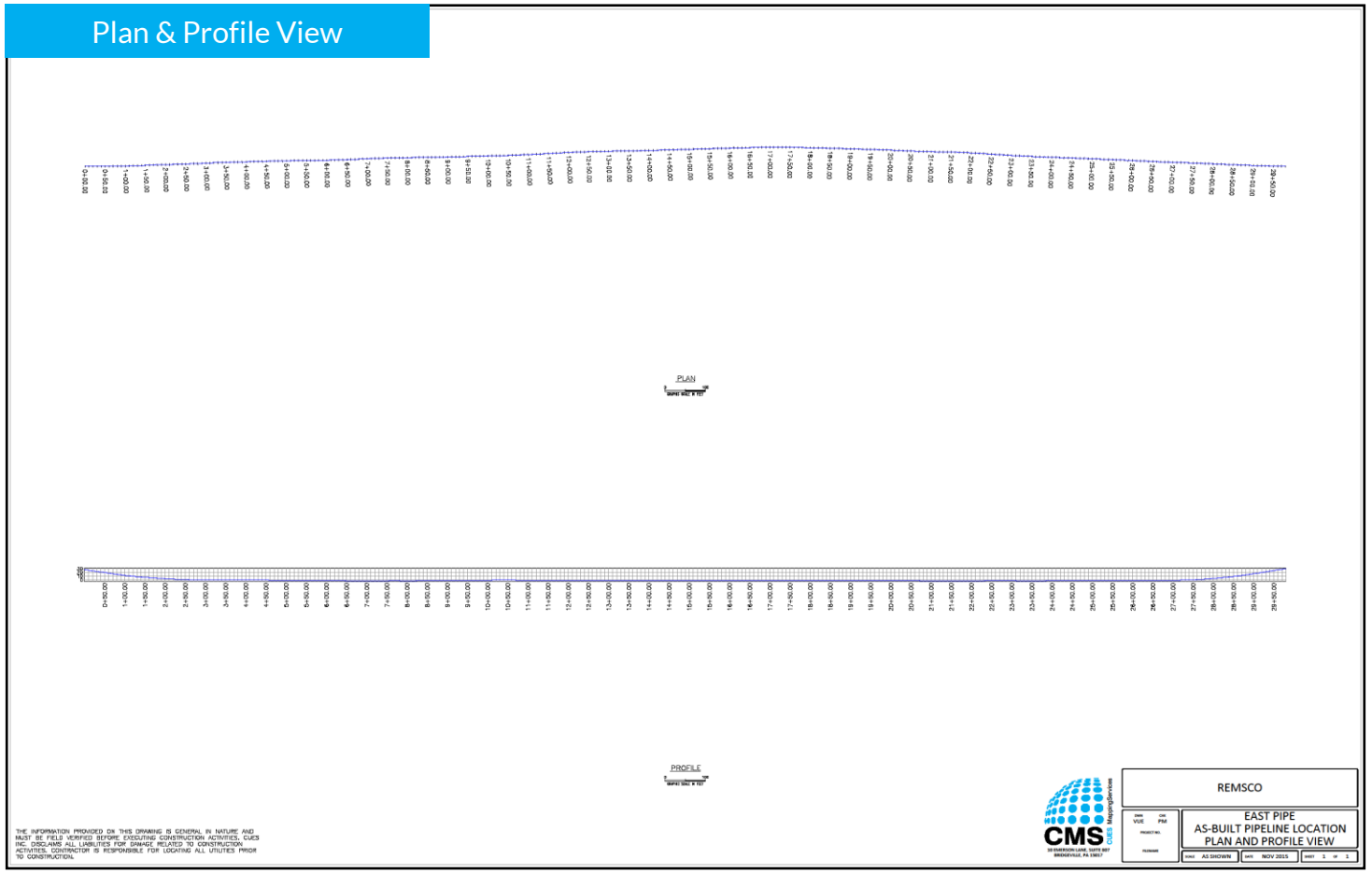
4 - 24-inch HDD Sanitary Sewer FM Pipelines Middletown CT (FPVC)

Google Earth Plan View

Project Example

4 - 24-inch HDD Sanitary Sewer FM Pipelines Middletown CT (FPVC)

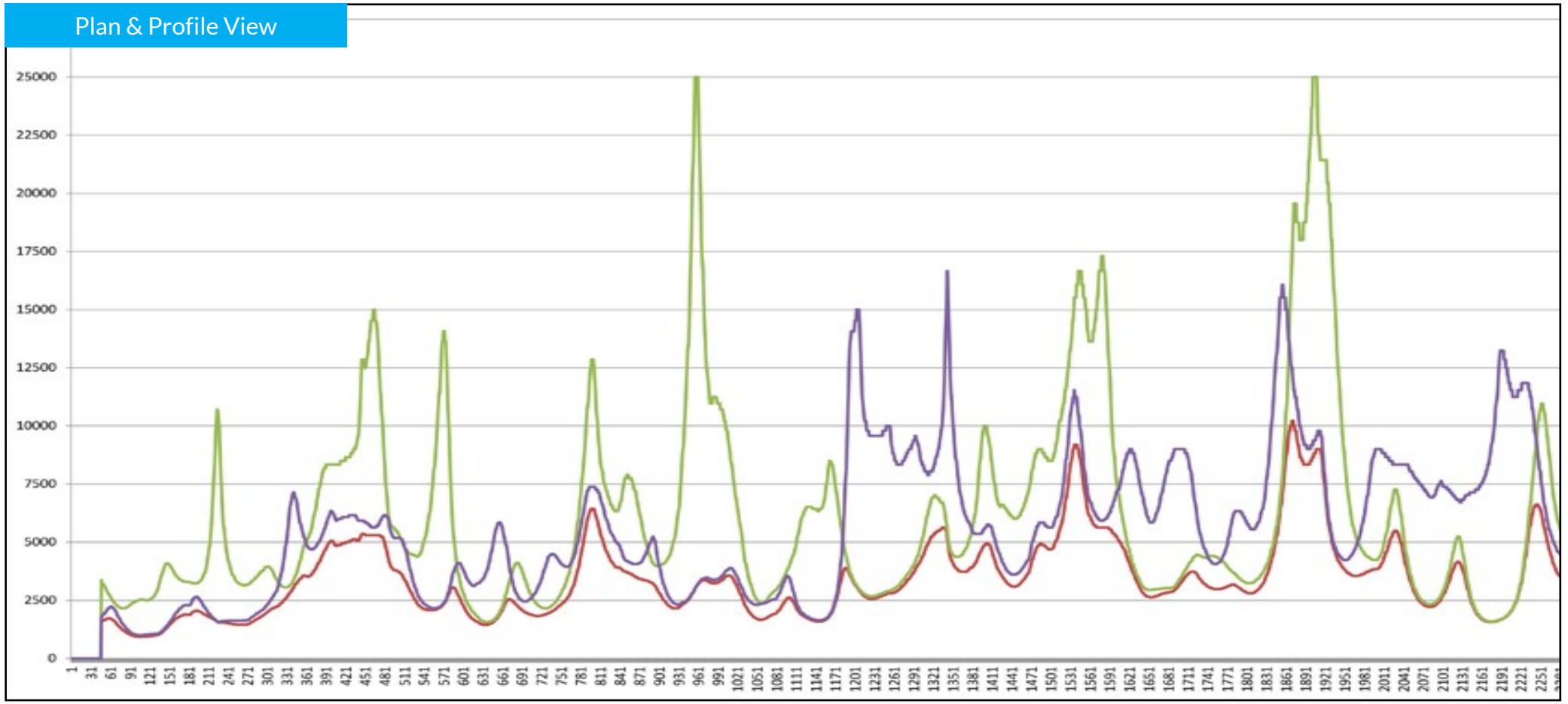
Plan & Profile View



Project Example

Bend Radius Analysis 24-inch HDD Sanitary Sewer FM Pipelines Middletown CT (FPVC)

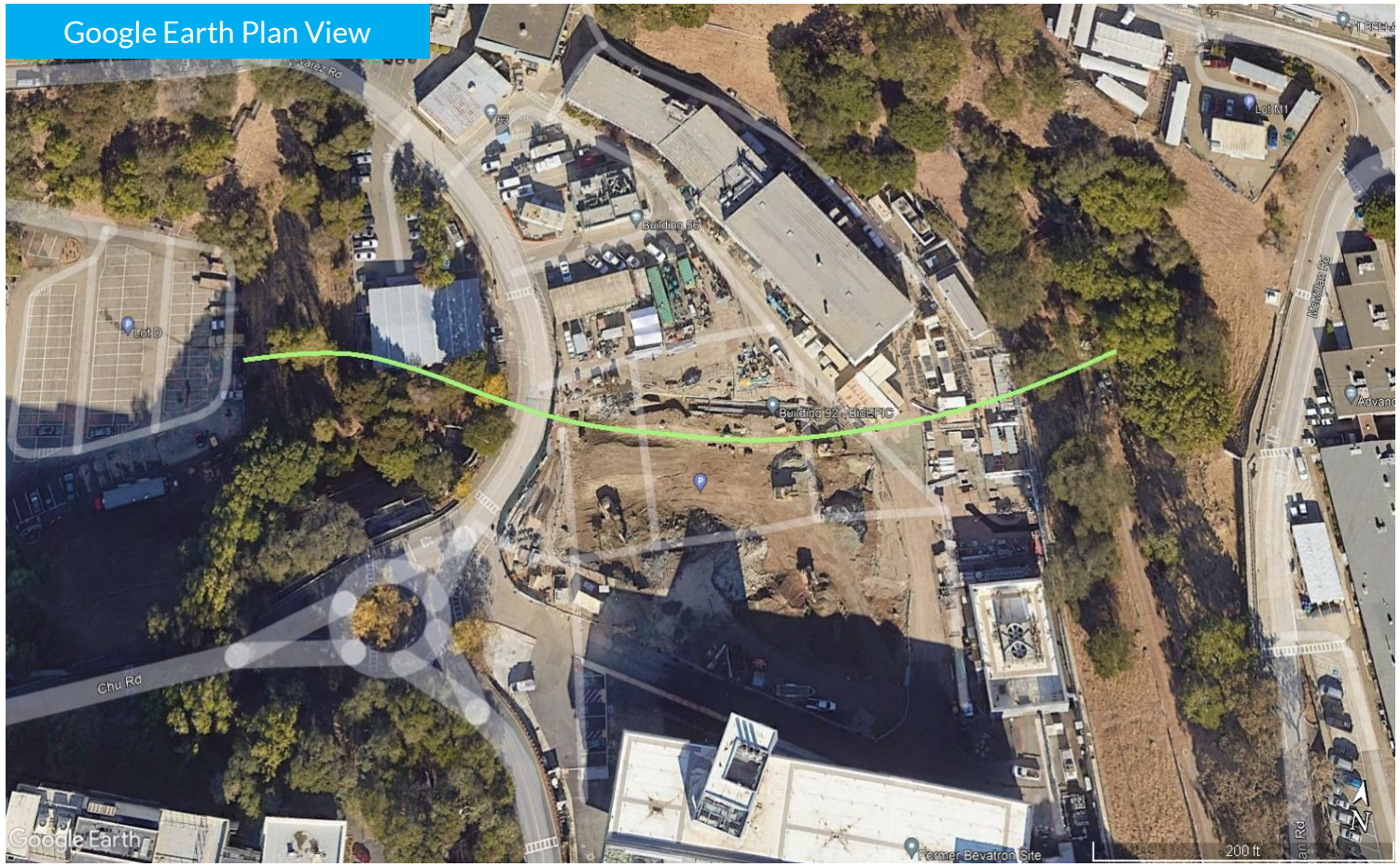
Plan & Profile View



Project Example

48-inch Storm Sewer pipeline at the Lawrence Berkeley National Laboratory Building foundation pilings – Berkeley CA

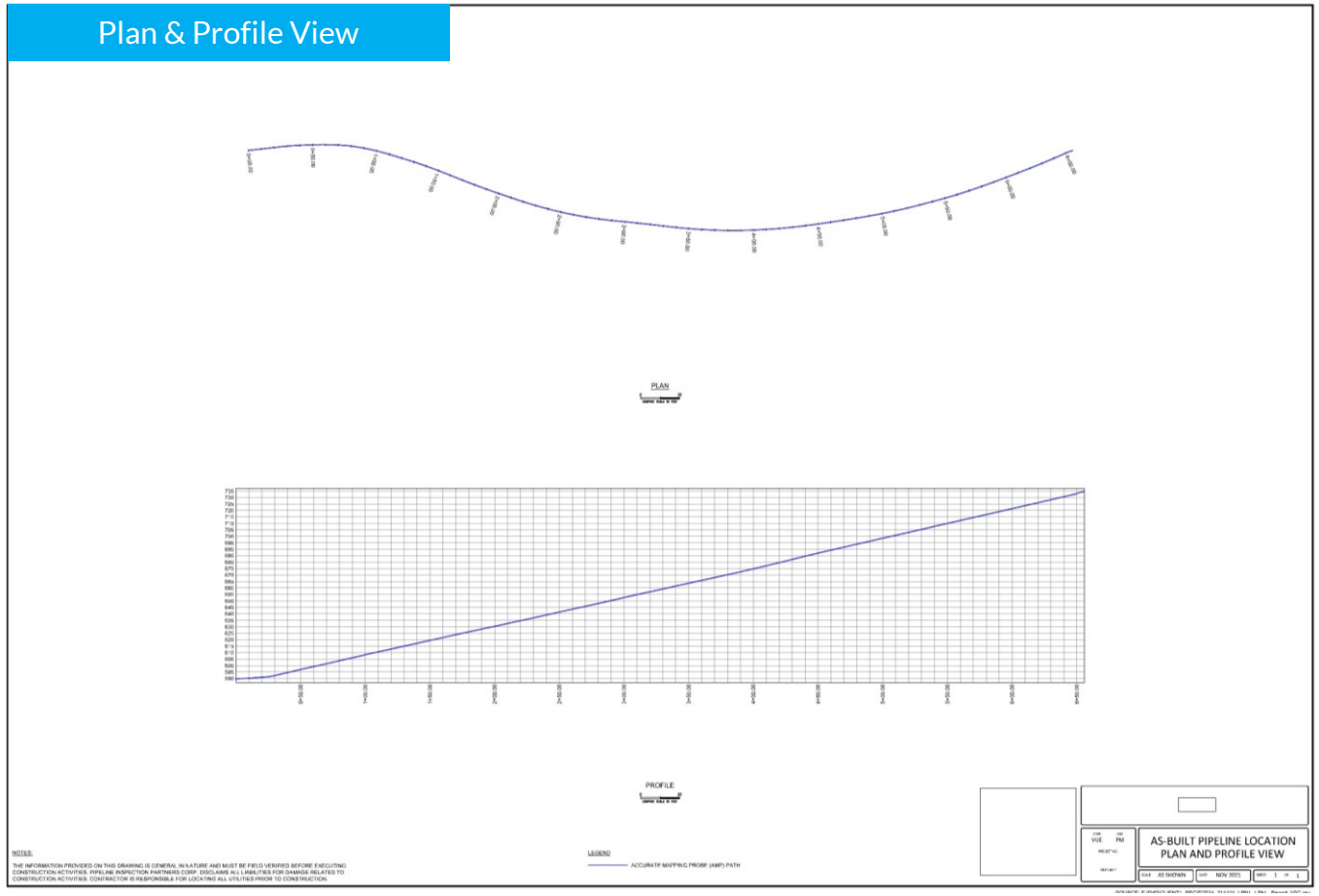
Google Earth Plan View



Project Example

48-inch Storm Sewer pipeline at the Lawrence Berkeley National Laboratory Building foundation pilings – Berkeley CA

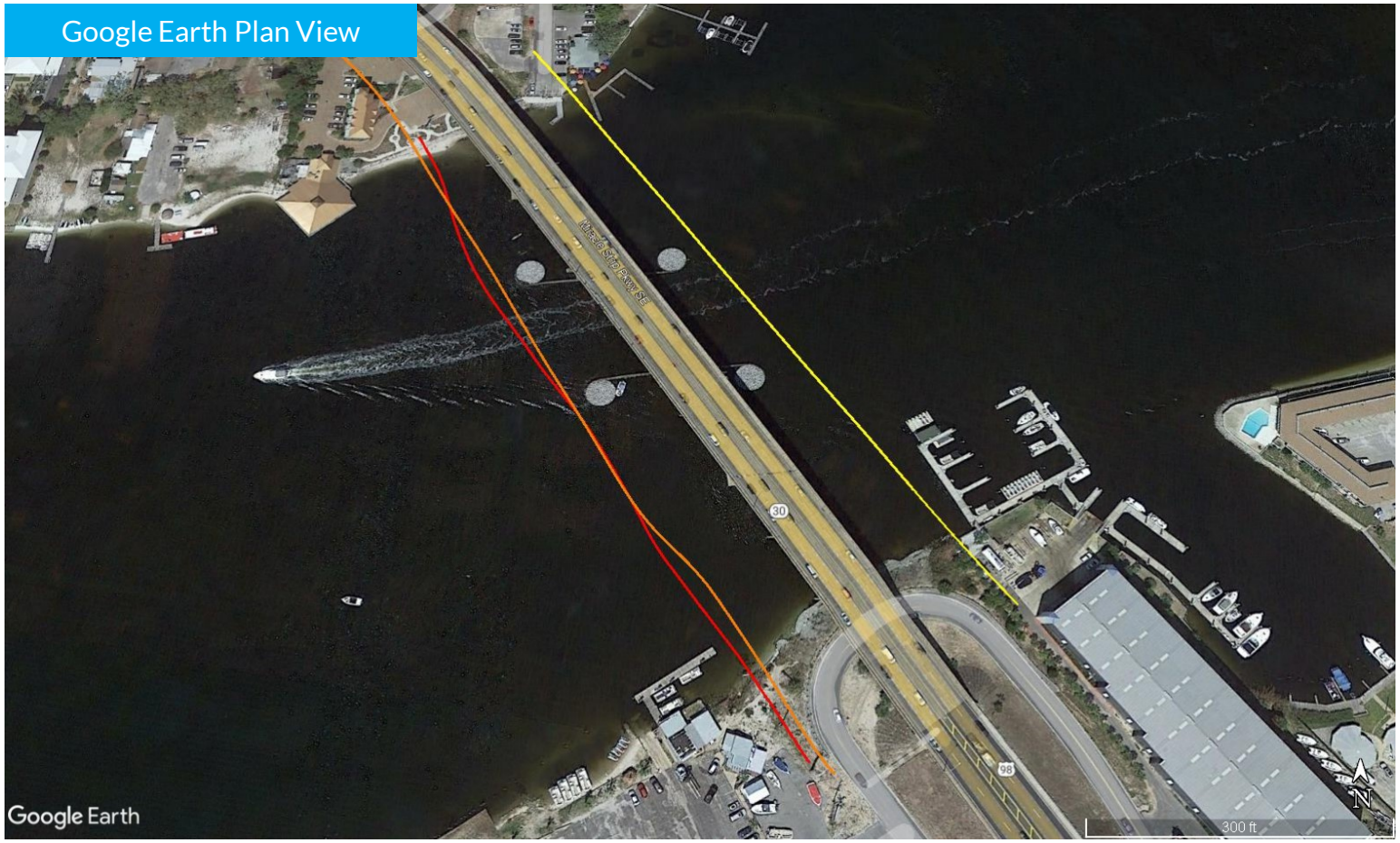
Plan & Profile View



Project Example

1.25-inch Telecom HDD, 8-inch Gas Pipeline & 2-inch Electrical Conduit – Bridge Expansion – Fort Walton Beach, FL

Google Earth Plan View



Project Example

1.25-inch Telecom HDD, 8-inch Gas Pipeline & 2-inch Electrical Conduit – Bridge Expansion – Fort Walton Beach, FL

Plan & Profile View