



LOVE CIRCLE LOW PRESSURE SS FORCE MAIN, CITY OF FORT WORTH



Speakers:

Clete Martin, PE – Conveyance Group Leader,

Alan Plummer Associates, Inc.

Tony Sholola, PE – City of Fort Worth, Water Department





Project Details

The project included:

1,400 Lf of 24-inch water line

5,600 LF of 12-inch water line

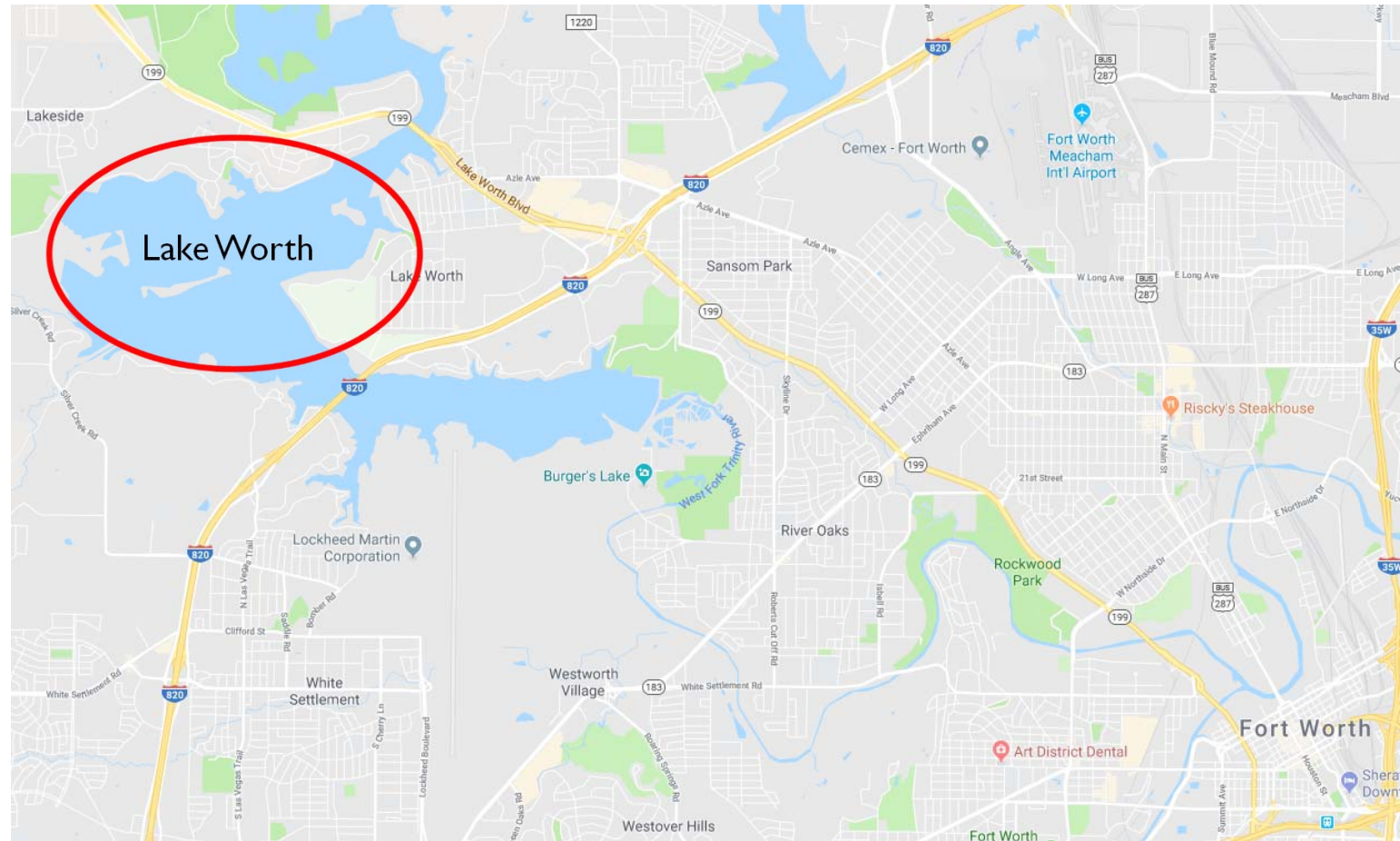
3,300 LF of 4-inch HDPE

3,500 LF of 3-inch HDPE

625 LF of 2-inch HDPE

54 Grinder Pumps

2,600 LF of 8-inch PVC FM





Project History



An aerial photograph of the Lake Worth area in Louisiana. The lake itself is a large, irregularly shaped body of water with a greenish tint, outlined by a dashed cyan line. To the north of the lake, a red-outlined polygon marks an area labeled "Love Circle". A blue arrow points from a label "Casino Beach Lift Station" to a specific location on the eastern shore of the lake. Above the lake, a road labeled "HWY 199" runs horizontally. In the bottom right corner, a road labeled "HWY 820" runs diagonally. A white arrow pointing upwards is labeled "N" for North. The text "LAKE WORTH" is written in yellow capital letters across the middle of the lake. At the very bottom, there is small source information: "Source: Esri, DigitalGlobe, GeoEye, IGNON, USGS, AER, Geomapping, AeroGrid, IGN, IGN, swisstopo, and the GIS User Community".



Underground Construction Technology

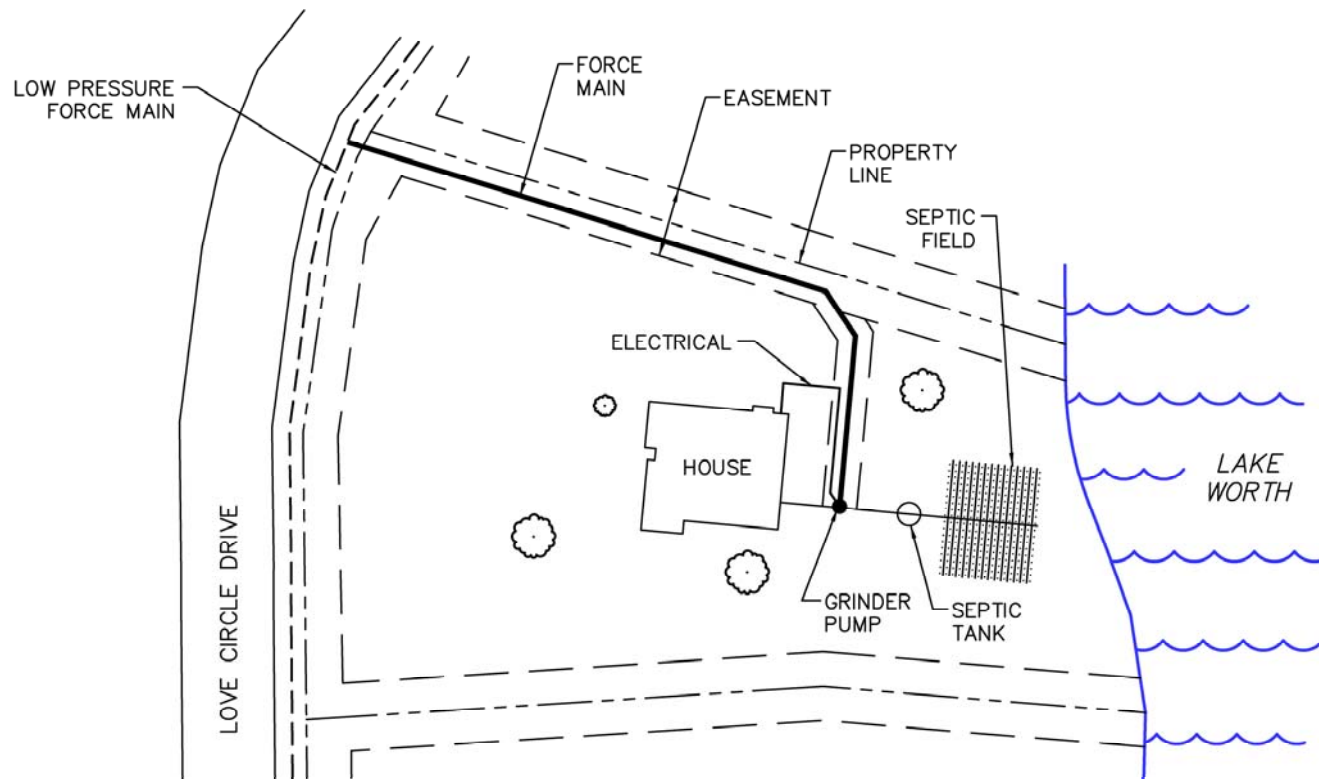
International Conference & Exhibition

Public Meetings



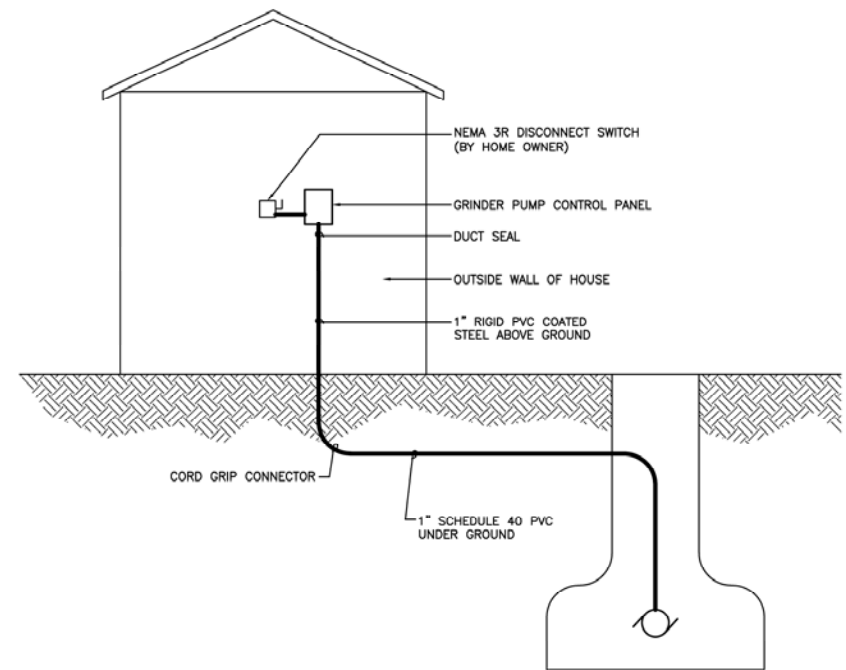


Typical Lot - Plan View





Typical Lot – Electrical Elevation



RISER DIAGRAM
NOT TO SCALE

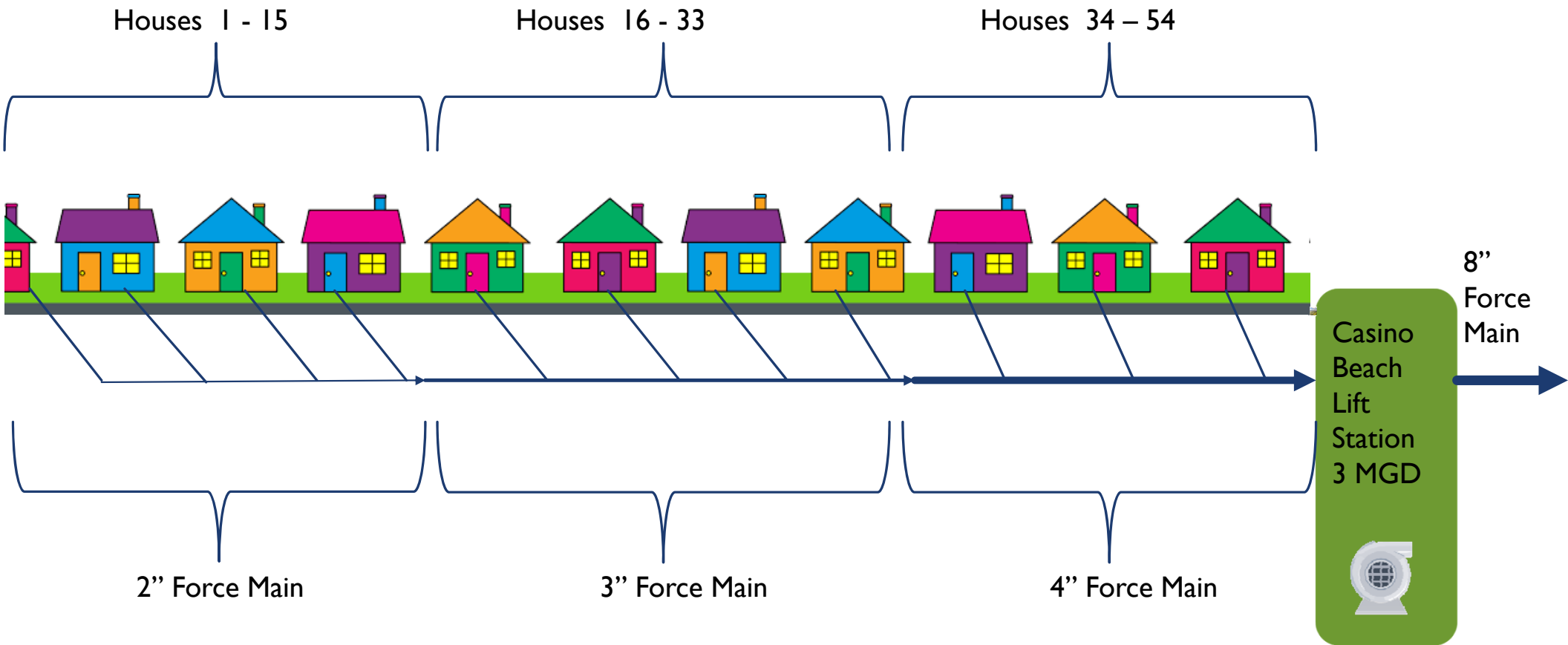


Grinder Pump





Force Main

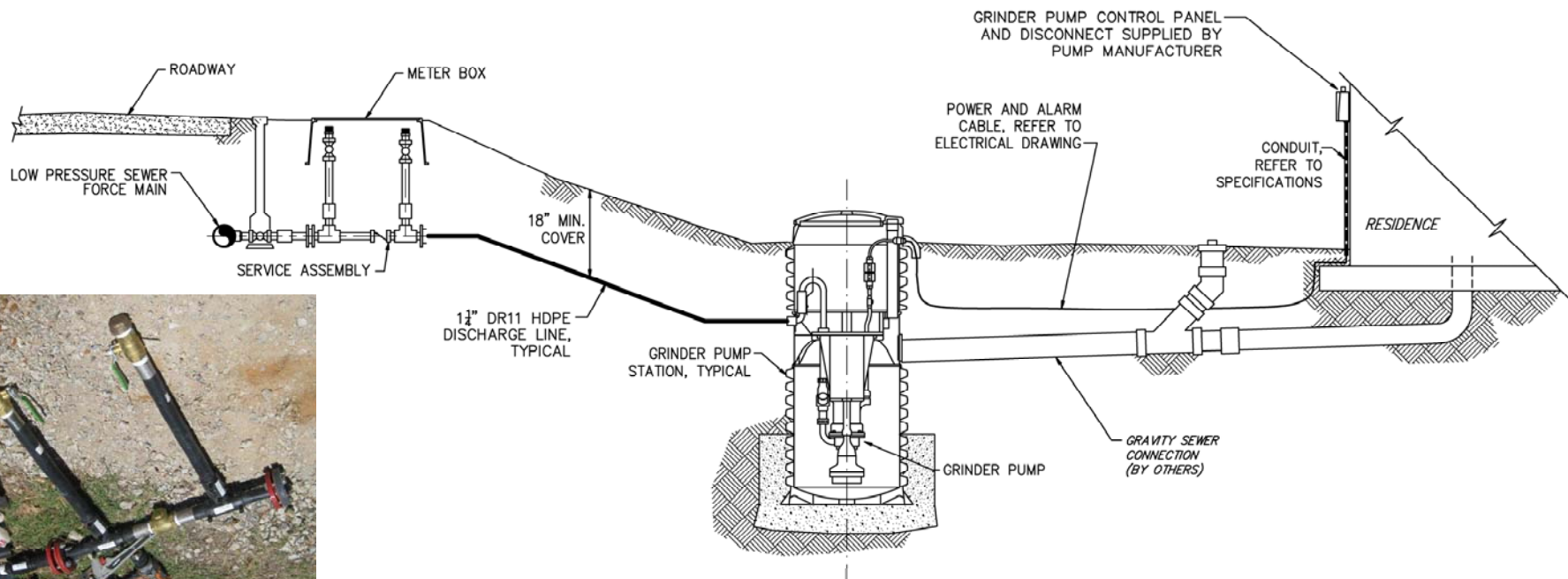




Construction Photo / Grinder Install

Right
of
Way

Private
Property





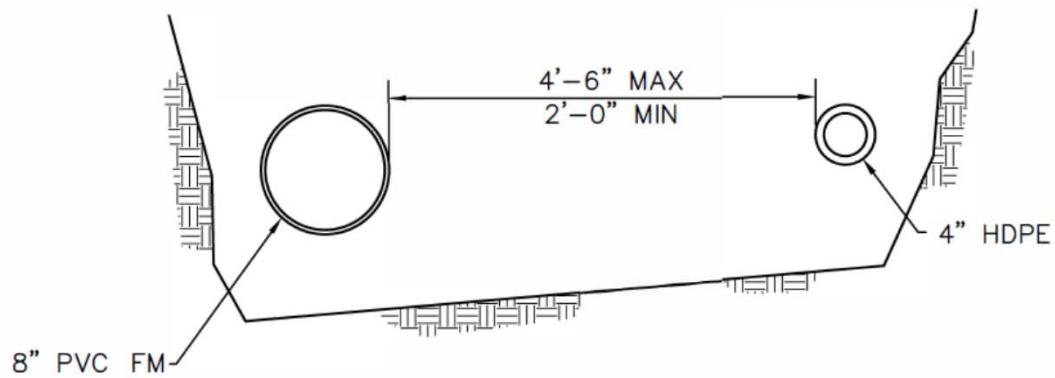
Trenchless Technologies – Auger Bore







Open Cut Trench





Pavement Repair upon Completion





Financing & Schedule

- The Project was bid at \$3,933,495
- Home Owner Cost is approximately \$7500
- Barnett Shale Natural Gas funds
- Two year Project Schedule





Lessons Learned

- Electrical Box Connection
- Fusion Machine Calibration
- Power Supply Chip



