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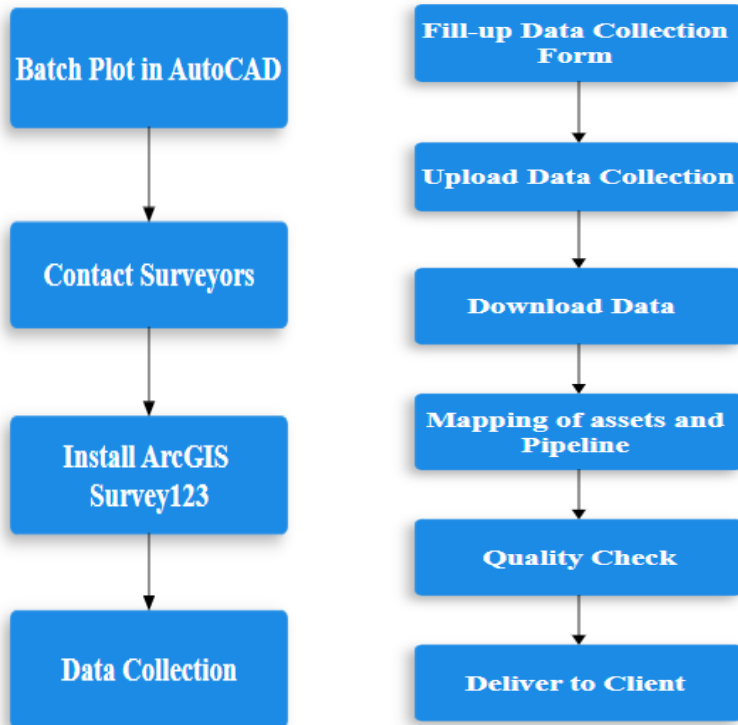
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**03 OCT. 2023 to
 03 APRIL 2024**

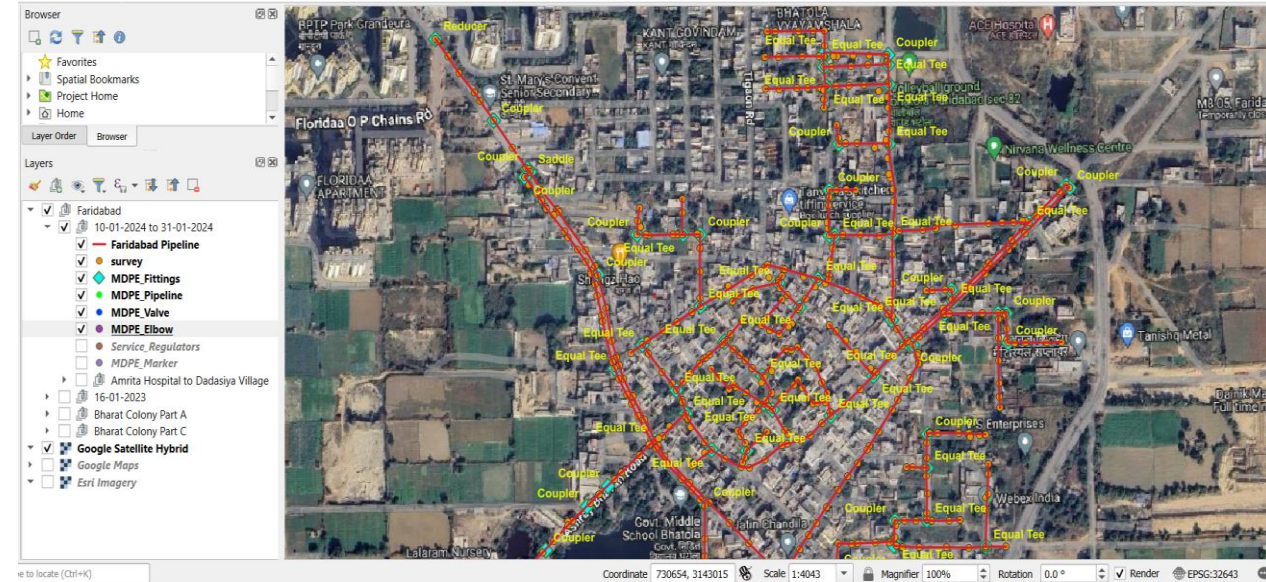
MAJOR OBJECTIVES: Gas distribution networks are critical infrastructures that require precise mapping and maintenance to ensure safe and efficient operation. This project introduces a methodology designed to streamline the mapping process using a combination of AutoCAD software, ArcGIS Survey123 application, and QGIS. . The purpose of the survey application is to ensure accuracy between GNSS measurements up to centimeter or submeter levels.

METHODOLOGY FLOW CHART:



RESULTS/MAJOR FINDINGS:

- This result is presented as final output of gas pipeline assets mapping using field survey application in QGIS software.



CONCLUSION: In this project highlights the successful implementation and transformative impact of mobile field application in gas pipeline assets management by adopting mobile field applications such as Esri Field Maps and Survey123, utility companies can streamline data collection, management, and analysis processes, eliminating the need for manual data entry and reducing errors.