## Project Challenges

- Sheared 8” lateral line was causing extensive voids and loose soil around manhole
- 25’ Manhole was under threat of collapse
- Stabilize manhole without collapsing

## Solution

- Inject around the perimeter of manhole and stabilize loose soils and the manhole, utilizing strict penetrometer measurement
- Fill 75’ of 8” line

## Support

- Specifications
- Designed injection port quantity and depth
- Pre-construction meeting
- On-site installation

## Outcome

- **Minimal downtime:** All work performed in one day
- **Stabilized soil:** Stabilized brick manhole and avoided roadway settlement. Additionally sealed the perimeter from further water intrusion.