



CASE STUDY

Street Vaults & Piping Upgrades

DESCRIPTION

Upgrading badly deteriorated well vaults to remedy increasing environmental concerns below one of the busiest streets in the Los Angeles area. This project involved removing the old well vaults, replacing them with high-traffic manhole-style vaults, and then resurfacing the area, both in asphalt and concrete portions of this long street – while managing the safe and efficient flow of constant LA traffic.

MAIN TASKS

- Secure permits.
- Plan and implement traffic control protocols.
- Break and remove existing well vaults
- Install manhole-type grade rings and covers.
- Slurry new grade rings and vaults into place.
- Install new piping.
- Resurface all excavated areas, both asphalt and concrete.
- Repave and replace all traffic control markings and reflectors.

CHALLENGES

Traffic Control – The greatest challenge of this project was the managing of operations in an extremely busy location. This very busy street is a major Los Angeles area thoroughfare. The road needed to remain active during construction, so extra diligence was required to maintain safety for both the crew and the public.

Safety – The construction zone also needed to be secured at the end of every day using trench plates and modified traffic control to help mitigate safety hazards during non-construction periods.

Containment – Engineering Controls were implemented to mitigate this risk of passing traffic being impacted by flying debris during jackhammering and breaking operations.

INTERESTING POINTS

This is one of the busiest thoroughfares in the Los Angeles area and as such was highly visible to the public. Extra special attention was given during Health and Safety meetings to ensure not only paramount attention to Health and Safety but also to general housekeeping, and personnel presentation to ensure the best possible public perception.



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