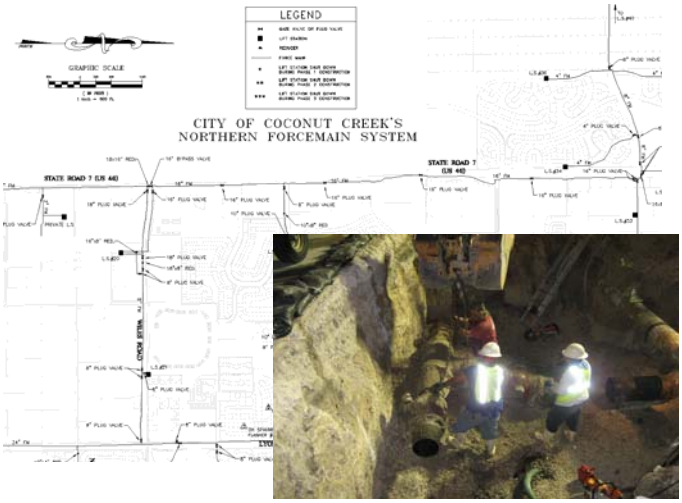
# FORCEMAIN ISOLATION VALVES




## Project Data

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|---|---|---|
| Site Address: | Various locations<br>Coconut Creek, FL 33073 | |
| Eng. Proj. #: | 6233 | |
| Cost: | $350,000 (*Construction*) | |
| Project Dates: | 3/11-10/11<br>5/12-4/13 | *(Design)*<br>*(Construction)* |

## Owner:

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## Point of Contact:

*Same as owner

## Key Design Features:

- Maintenance of traffic on key arterial roadways
- Meeting requirements of FDOT
- Meeting requirements of Broward County Highway Construction & Traffic Engineering
- Maintaining sanitary service while retrofitting portions of the City's forcemain system
- Linestop installation and bypass piping
- Precautionary planning for unanticipated delays

## Project Description:

The City of Coconut Creek desired to increase their options on their existing forcemain system. After the failure of some existing, 30-year old valves, the City felt that parts of their existing forcemain system could potentially become unusable and would require emergency repairs. The City of Coconut Creek retained Harris Engineering, Inc. to design options for adding and replacing valves in order to increase the redundancy of the system and in order to add additional options for repair or maintenance of certain pipe segments. Many of the valve segments were located within active arterial roadways that were under the control of both Broward County and the Florida Department of Transportation. Much of the planning involved the maintenance of traffic within these roadways and the ability to perform this work without shutting down existing customers. The project was broken down into five separate phases and certain work segments were required during overnight hours.