

MOUNT CONSTRUCTION COMPLETES EMERGENCY PROJECT

Collapsed Interceptor At Major Artery Replaced In Two Months

In January of this year, the Willingboro MUA investigated the cause of a sinkhole on Beverly-Rancocas Road in Burlington County, a major roadway, and it was determined that there was a collapse of the main line sewer interceptor which had been installed in the 1950's. Mount Construction was contacted by the Willingboro MUA and was onsite within one hour of the determination. Mount is very experienced in emergency construction and had worked for the MUA on previous projects.

The effected area runs under Beverly-Rancocas Road, which is a four lane highway, approaches a bridge and is adjacent to Mill Creek. The contractor immediately set up traffic control devices and detours, and then installed a temporary bypass system to keep the service available to local users. Mount needed to install approximately one mile of bypass piping to complete this task as the system processes approximately ten million gallons of sewage per day. The firm was also required to relocate water main and fiber optic, and also suspend and support an existing gas main. All electrical wires in the area were deactivated during crane operations.

The next step involved the removal of the approach decks on the westside of the bridge. Mount forces sawcut six feet by eight feet slabs which were removed by a crane and each slab was sent to the contractor's yard for recycling. The firm then installed sheeting, shoring and whalers. Mount drove sheeting with the use of a 100 ton crane. Excavation then followed, with approximately 2700 yards of material removed. The work pit was excavated to a depth of 21 feet which is significant due to the fact that high tide is eleven feet above the depth of the excavation. Mount's crew then removed 700 feet of collapsed pipe, and the bottom of the excavated area was stabilized using geotextile fabric and aggregate.

Mount then installed 700 linear feet of 36 inch diameter SDR 35 PVC pipe and four new manholes. The hole was backfilled using compacted DGA which was place in six foot



Mount personnel prepare for the installation of the SDR 35 PVC pipe.



A portion of the deep pit that was constructed to install the pipe.

lifts with density testing performed for each lift. During the backfilling operation, the temporary sheeting was removed. The approach decks were reconstructed and surrounding areas were restored. Final paving was then completed, and the road was re-opened to the public by mid-March .

To complete this \$4.2 million emergency

contract, Mount Construction's crews worked 24 hours a day, seven days a week for the duration of the project. Leading the activities for the contractor were Rob Beechler, project manager, and project superintendents Cliff DelRossi and William Budd.