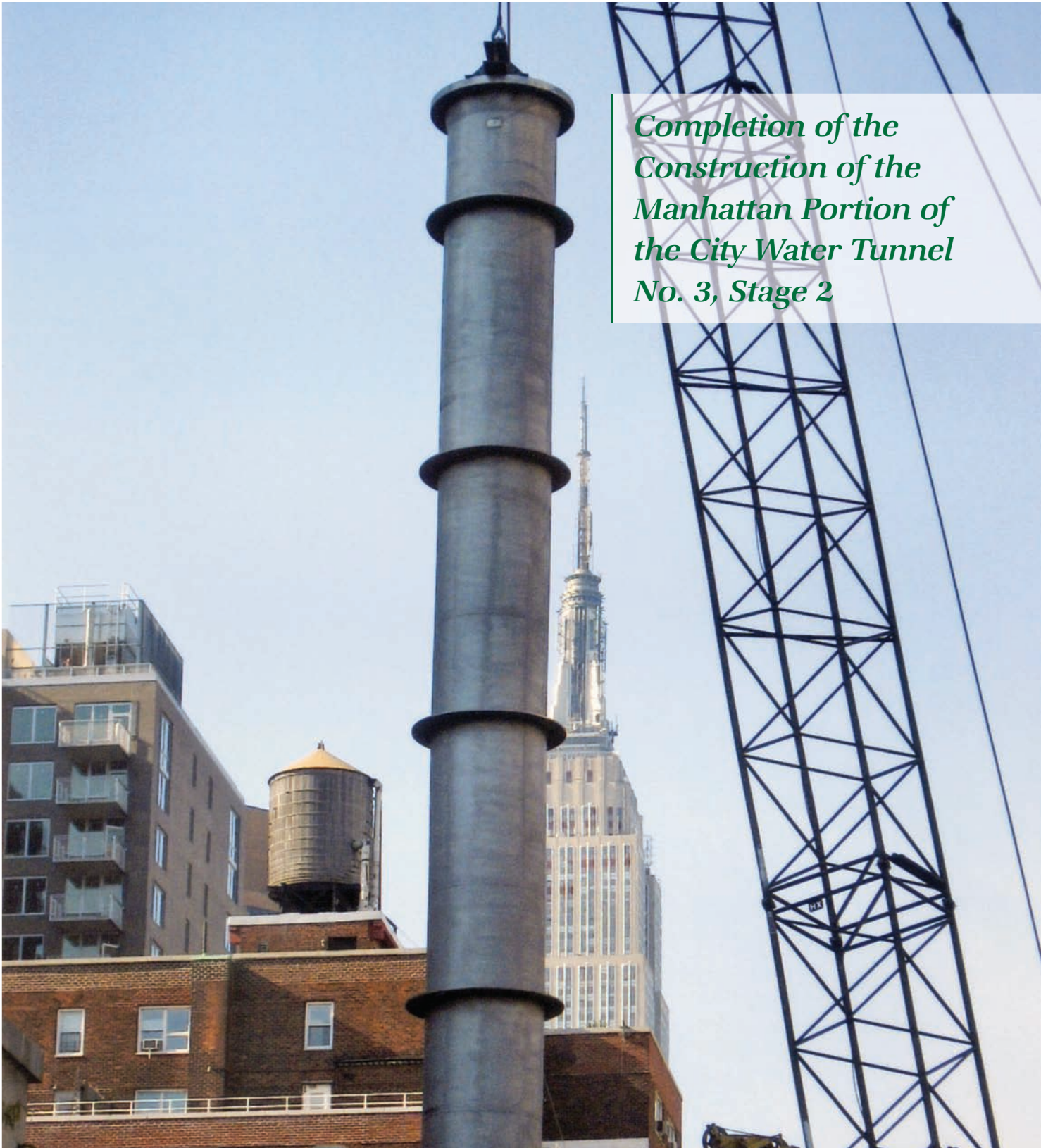




# John P. Picone INCORPORATED

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*Completion of the  
Construction of the  
Manhattan Portion of  
the City Water Tunnel  
No. 3, Stage 2*

— *Committed to quality, backed by hard work.*

# John P. Picone INCORPORATED

**Project Manager:** Joseph Ascolese Jr.  
**Contract Number:** 538C  
**General Contractor:** John P. Picone, Inc.  
**Agency:** NYC DEP  
**Contract Amount:** \$120,000,000.00



## Completion of the Construction of the Manhattan Portion of the City Tunnel No.3, Stage 2

The General Contract includes: tunneling, lining, and constructing 10 shafts located along Water Tunnel Number 3. Our portion of the project consists of two distinct pieces of work. The first is the shaft work followed by the construction of the Distribution Chambers.

The shaft portion requires that we install 48" diameter stainless steel riser pipe from approximately 300 ft, below grade to approximately 30 ft below grade. The first set of riser pipe is supported on a structural concrete plug. Upon the installation of the riser pipe it is then backfilled with concrete utilizing concrete drop pipes. There are two sets of risers consisting of seven pipes each. The pipes weigh as much as 12.5 tons and must be installed so that they are perfectly vertical. Between the fourth set and fifth set of riser pipe a Riser Valve Chamber (RVC) is constructed. The RVC chamber is approximately 100 ft below the Distribution Chamber Floor.

Once we arrive at the "surface" with riser pipe the shaft operation is demobilized and our work on the Distribution Chamber begins. This consists of excavation of a cofferdam approximately 60 ft long by 40 ft wide by 30 ft deep. Most of the excavations will require dewatering with use of a deep well system. Once the excavation is complete and dewatered the Distribution Chamber is constructed.

The on-site work began at shaft 29B in September of 2006. However, John P. Picone, Inc., has been planning and procuring materials for the project since January of 2005. The longest lead-time item was the stainless steel riser pipe. The scheduled completion date is early 2009.

### Challenges:

Water Tunnel Number 3 is considered to be one of the most significant civil engineering feats of our time. Being a part of this endeavor is a very rewarding and unique opportunity. The project schedule is an aggressive one and the shaft portion of the work is extremely linear. Therefore, if any portion of the work is stopped during the shaft portion of the work the entire site comes to a complete halt. This makes the work very challenging as even the smallest oversight by the management team is magnified due to the negative impact this might have on the projects schedule and profitability. As of today we are currently slightly ahead of schedule.

