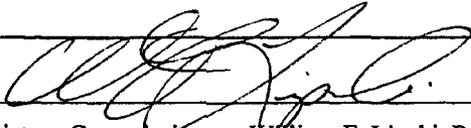


**STANDARD CONSTRUCTION OPERATING PROCEDURE**

City of New York Department of Design and Construction  
Division of Infrastructure Bureau of Construction

**SUBJECT: COLD WEATHER PROTECTION OF WATER SERVICES**

**APPROVED:**   
Assistant Commissioner - William F. Lipski, P.E.

**SCOP..... : 99 - 001 G**

**CATEGORY.. : CONSTRUCTION**  
**Subcategory : WATER SERVICES**

**Keywords ..... : COLD WEATHER,**  
**INSULATION,**  
**WATER SERVICES**

**Supersedes... : N/A**

**Supplements..... : N/A**

**Sheet..... : 1 of 1**

**Issue Date..... : January 5, 1999**

**TEMPORARY PROTECTION:**

When the air temperature is expected to fall below 35° F anytime during construction operations, and water services are left exposed, the contractor must provide and install sufficient insulation on the exposed services to prevent them from freezing.

**PERMANENT PROTECTION:**

The Water Supply Rules and Regulations, referred to in the Water General Specifications, require that all water services with less than 3.5 feet of cover must be permanently insulated. Until a standard insulating procedure is finalized, contractors must submit their method of insulating for approval.

Resident Engineers must ensure that these requirements are carried out and recorded in inspection reports.

**SUPERSEDED BY SCOP 00-001G**