

**STANDARD CONSTRUCTION OPERATING PROCEDURE**

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

**SUBJECT: SHEETING AND BRACING -  
CONSTRUCTABILITY REVIEW**

**APPROVED:**

*[Signature]*  
Assistant Commissioner - Richard Zetterlund, P.E.

**SCOP..... : 04 - 010G**

**CATEGORY.. : CONSTRUCTION  
Subcategory : SUBMITTALS**

**Keywords ..... : SHEETING, BRACING  
SHOP DRAWINGS**

Supersedes... : SCOP 00-003G

Supplements..... : SCOP 04-009G

Sheet..... : 1 OF 1

Issue Date..... : June 1, 2004

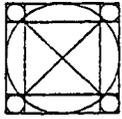
All sheeting and bracing drawings must be reviewed by the appropriate Borough Construction staff for constructability prior to transmittal to Design for approval. The sheeting and bracing design should be applicable to and judged against the anticipated actual field conditions.

Some of the constructability issues that must be considered include: 1) Comparing the proposed toe versus the anticipated soil hardness, (i.e. can the sheeting be driven to the required depth?), 2) Will the method of driving the sheeting have an adverse affect on surrounding facilities or structures? 3) Ensuring that the installation of the sheeting and bracing won't require work below a depth of five feet without proper protection for workers, 4) Checking that the proposed bracing won't interfere with the installation of the pipe, 5) Ensuring that provisions are made for fluming existing sewer house connections, 6) Ensuring that provisions are made for existing utility interference, 7) Reviewing road width versus trench width to ensure maintenance of traffic requirements can be met, and 8) On frame and steel plate designs, that the method of supporting the frame is clearly indicated.

In reviewing the shop drawings for constructability, construction staff is advised of the following: wood sheeting must have a minimum of two braces, sheeting systems that combined wood lagging/braces with free standing steel plates are not permitted; sheeting systems utilizing steel frames with steel plates are not permitted on trenches with depths greater than 12 feet.

Attached is a transmittal to be used for submitting sheeting and bracing shop drawings to DDC Design.

ATTACHMENT: SHEETING TRANSMITTAL



# DDC

City of New York Department of Design and Construction

## Memo

DATE: / /

To: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Attn: \_\_\_\_\_

Re: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SELECT ONE**

Attached please find the following for your:  Review and approval  
 Information and coordination

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

**COMMENTS:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**All sheeting designs transmitted to Design for approval have been reviewed for constructability and are acceptable to Construction for use on this project except as noted:**

**SELECT ONE**

- In the comments section
- On the sheeting drawing

Very truly yours,

\_\_\_\_\_  
Name/Title

C: \_\_\_\_\_  
\_\_\_\_\_