



# PUBLIC NOTICE

US Army Corps  
of Engineers  
New York District  
Jacob K. Javits Federal Building  
New York, N.Y. 10278-0090  
ATTN: Regulatory Branch

**In replying refer to:**  
Public Notice Number: NAN-2007-1270-EJE  
Issue Date: October 12, 2007  
Expiration Date: November 12, 2007

## To Whom It May Concern:

The New York District, Corps of Engineers has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. 1344).

APPLICANT: New York City Department of Environmental Protection  
Attention: Jim Mueller  
96-05 Horace Harding Expressway, 5<sup>th</sup> Floor  
Corona, NY 11368-5107

ACTIVITY: Discharge of fill material for the installation of a turbidity curtain.

WATERWAY: Kensico Reservoir

LOCATION: Town of Mount Pleasant, Westchester County, New York.

A detailed description and plans of the applicant's activity are enclosed to assist in your review.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

ALL COMMENTS REGARDING THE PERMIT APPLICATION MUST BE PREPARED IN WRITING AND MAILED TO REACH THIS OFFICE BEFORE THE EXPIRATION DATE OF THIS NOTICE, otherwise, it will be presumed that there are no objections to the activity.

Any person may request, in writing, before this public notice expires, that a public hearing be held to collect information necessary to consider this application. Requests for public hearings shall state, with particularity, the reasons why a public hearing should be held. It should be noted that information submitted by mail is considered just as carefully in the

CENAN-OP-RE  
PUBLIC NOTICE NO. NAN-2007-1270-EJE

permit decision process and bears the same weight as that furnished at a public hearing.

Our preliminary determination is that the activity for which authorization is sought herein is not likely to affect any Federally endangered or threatened species or their critical habitat. However, pursuant to Section 7 of the Endangered Species Act (16 U.S.C. 1531), the District Engineer is consulting with the appropriate Federal agency to determine the presence of and potential impacts to listed species in the project area or their critical habitat.

Based upon a review of the latest published version of the National Register of Historic Places, there are no known sites eligible for, or included in, the Register within the permit area. Presently unknown archeological, scientific, prehistorical, or historical data may be lost by work accomplished under the required permit.

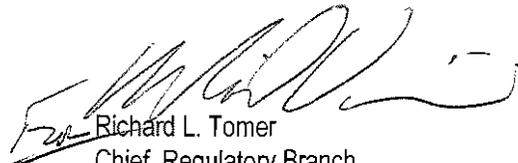
Reviews of activities pursuant to Section 404 of the Clean Water Act will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 (b) of the Clean Water Act and the applicant will obtain a water quality certificate or waiver from the appropriate state agency in accordance with Section 401 of the Clean Water Act prior to a permit decision.

In addition to any required water quality certificate and coastal zone management program concurrence, the applicant has obtained or requested the following governmental authorization for the activity under consideration:

- New York State Department of Environmental Conservation

It is requested that you communicate the foregoing information concerning the activity to any persons known by you to be interested and who did not receive a copy of this notice. If you have any questions concerning this application, you may contact this office at (917) 790-8420 and ask for Stacey M. Jensen.

For more information on New York District Corps of Engineers programs, visit our website at <http://www.nan.usace.army.mil>



Richard L. Tomer  
Chief, Regulatory Branch

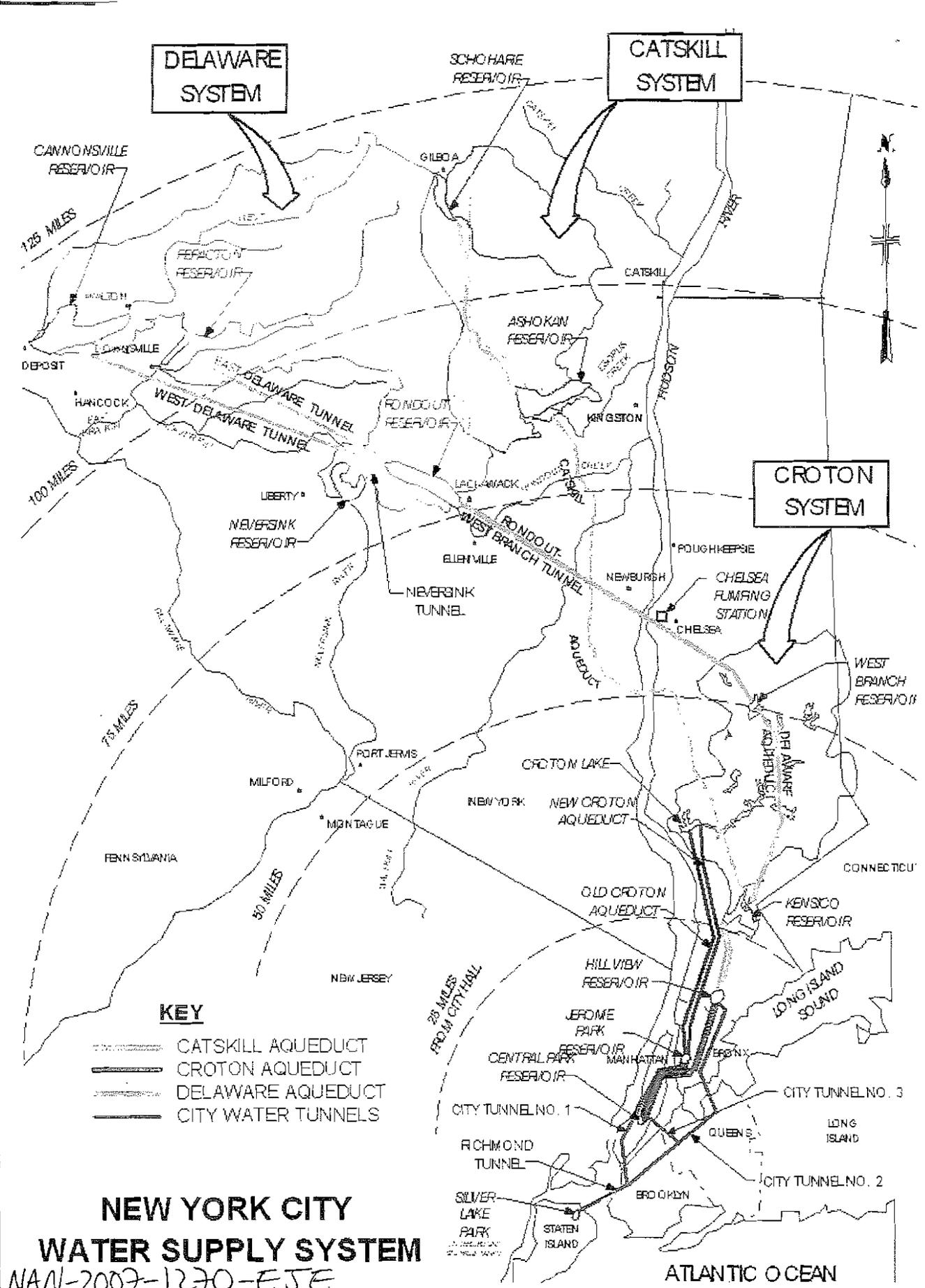
Enclosures

## WORK DESCRIPTION

The applicant, New York City Department of Environmental Protection, has requested Department of the Army authorization for the installation of a back-up, and repair of an existing, turbidity curtain in the Kensico Reservoir, in the Town of Mount Pleasant, Westchester County, New York.

The work would involve the repair of the existing turbidity curtain, which would include: installation of 34 anchors (to bring the total number of anchors on the reservoir bottom to 70) to provide for increased stability and reliability of the curtain; each anchor would be approximately 2 feet, 6 inches square at the base and 0.27 cubic yards (CY) of fill material, resulting in approximately 212 square feet of additional coverage and 9 CY of additional fill material; the existing curtain is approximately 900 feet in length. The installation of the back-up turbidity curtain would occur adjacent to and west of the existing curtain, and would involve: installation of approximately 70 anchors positioned approximately every 25 feet along the bottom of the curtain, resulting in approximately 438 square feet of new coverage and 19 CY of new fill material; similar to the existing curtain, the back-up curtain would be 900 feet in length and an average of 20 feet deep with a total area of 18,000 square feet. Both the existing and the new back-up curtain would be anchored on one end to an existing steel structure located on the northwestern shore of the reservoir, and anchored on the other end to an existing concrete anchor structure embedded in the reservoir bottom. Submerged, buoyed cables would be extended from the end of both the existing curtain and the back-up curtain to a pre-existing steel structure on the eastern shore of the reservoir so as to maintain boat access to points on each side of the curtains and to maintain stability.

The stated purpose of this project is to minimize turbidity within the Kensico Reservoir, and under order by the New York State Department of Health.

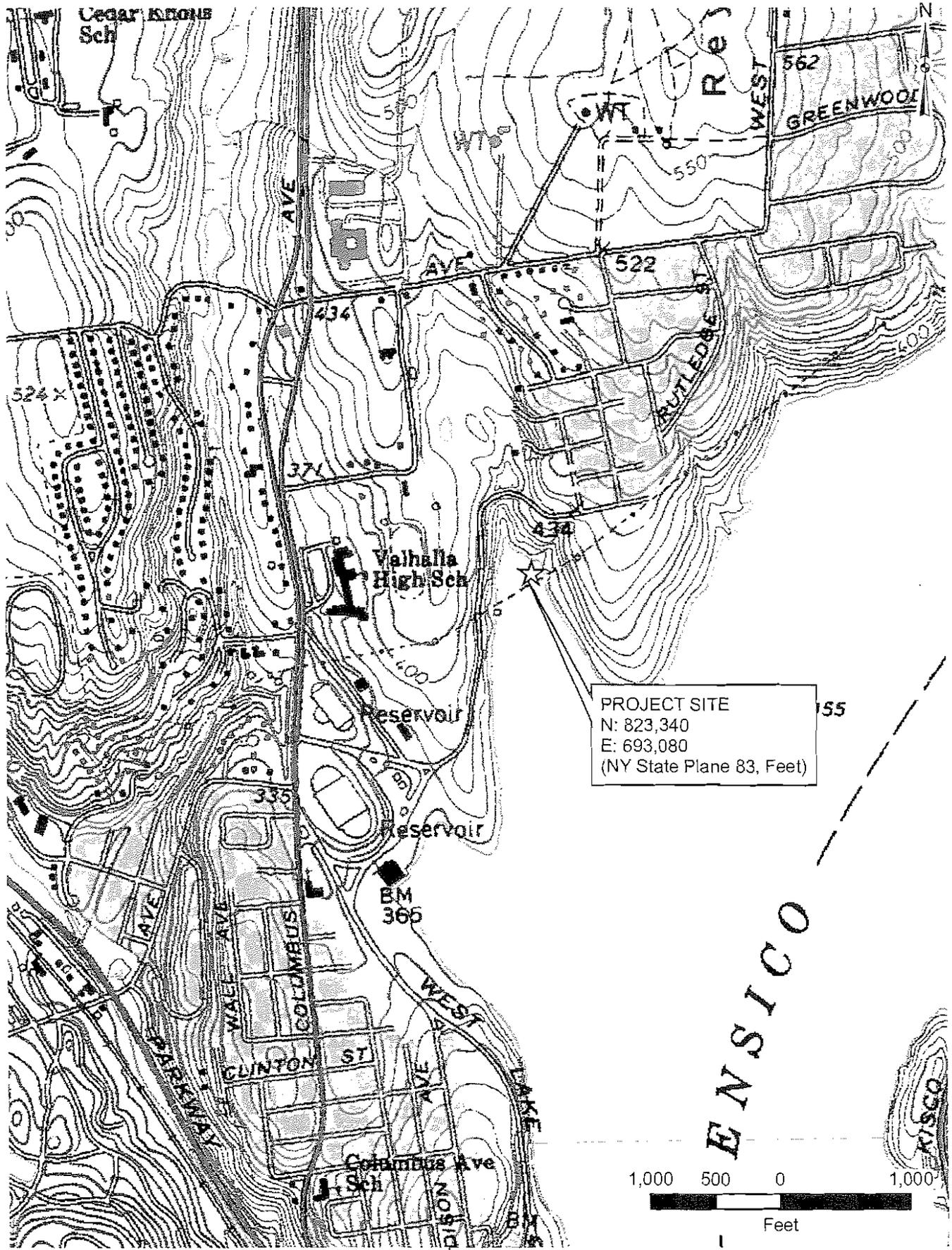


NYCDEP  
 KENSICO RESERVOIR  
 CATSKILL UPPER EFFLUENT CHAMBER  
 BACK-UP TURBIDITY CURTAIN  
 MOUNT PLEASANT, WESTCHESTER COUNTY, NY

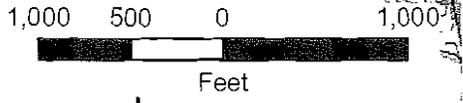


NYCDEP WATER SUPPLY SYSTEM

FIGURE 1  
 1 of 7



PROJECT SITE  
 N: 823,340  
 E: 693,080  
 (NY State Plane 83, Feet)



SOURCE: WHITE PLAINS QUADRANGLE 1967 (PHOTOREVISED 1979)

NAN-2007-1270-EJE



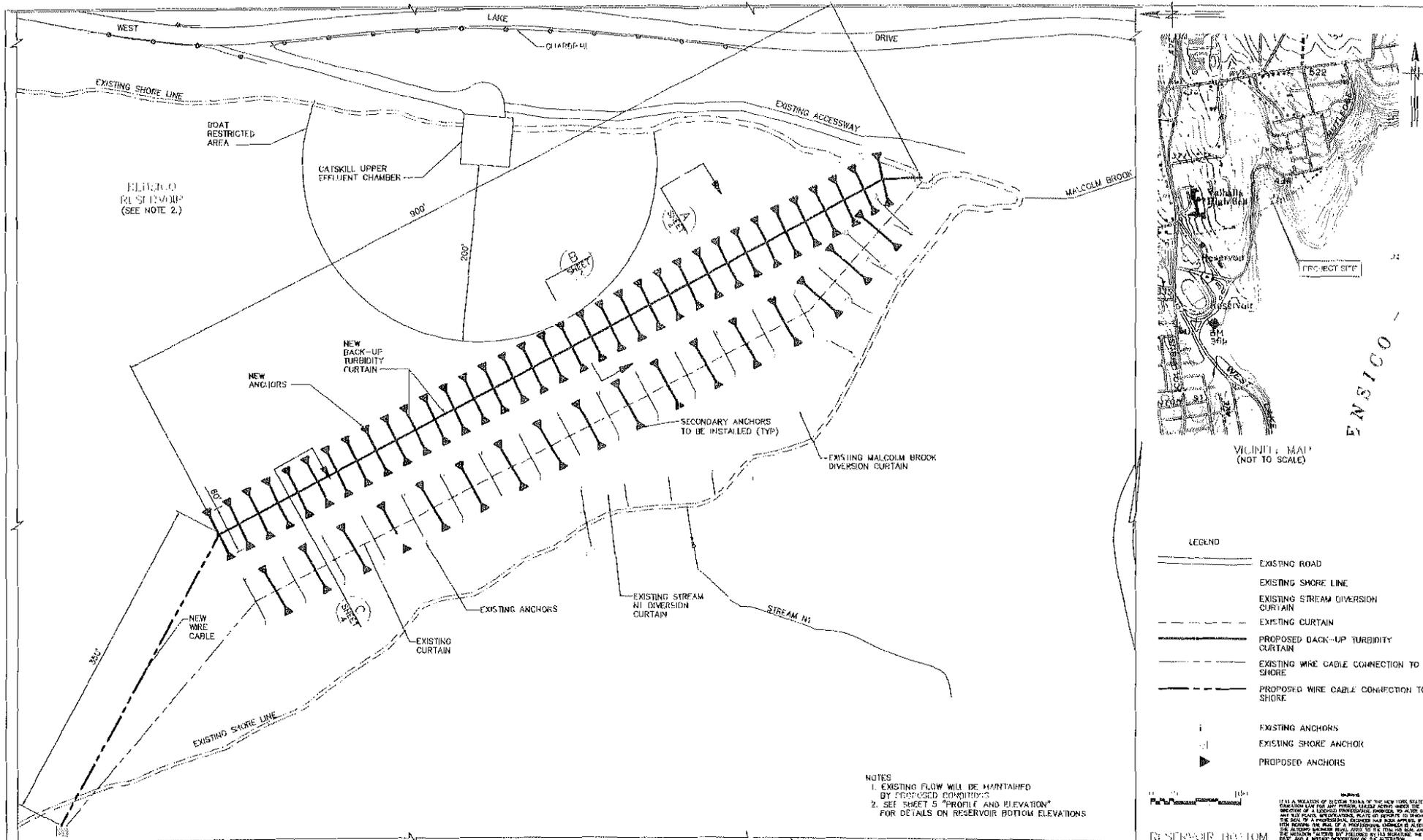
NYCDEP  
 KENSICO RESERVOIR  
 CATSKILL UPPER EFFLUENT CHAMBER  
 BACK-UP TURBIDITY CURTAIN  
 MOUNT PLEASANT, WESTCHESTER COUNTY, NY



VICINITY MAP

FIGURE  
 2 of 7





REVISIONS	
NO.	DESCRIPTION



APPROVED FOR THE CITY OF NEW YORK  
 EXECUTIVE PROJECT MANAGER  
 WATERSHED FACILITIES DESIGN  
 CHIEF  
 WATERSHED FACILITIES DESIGN

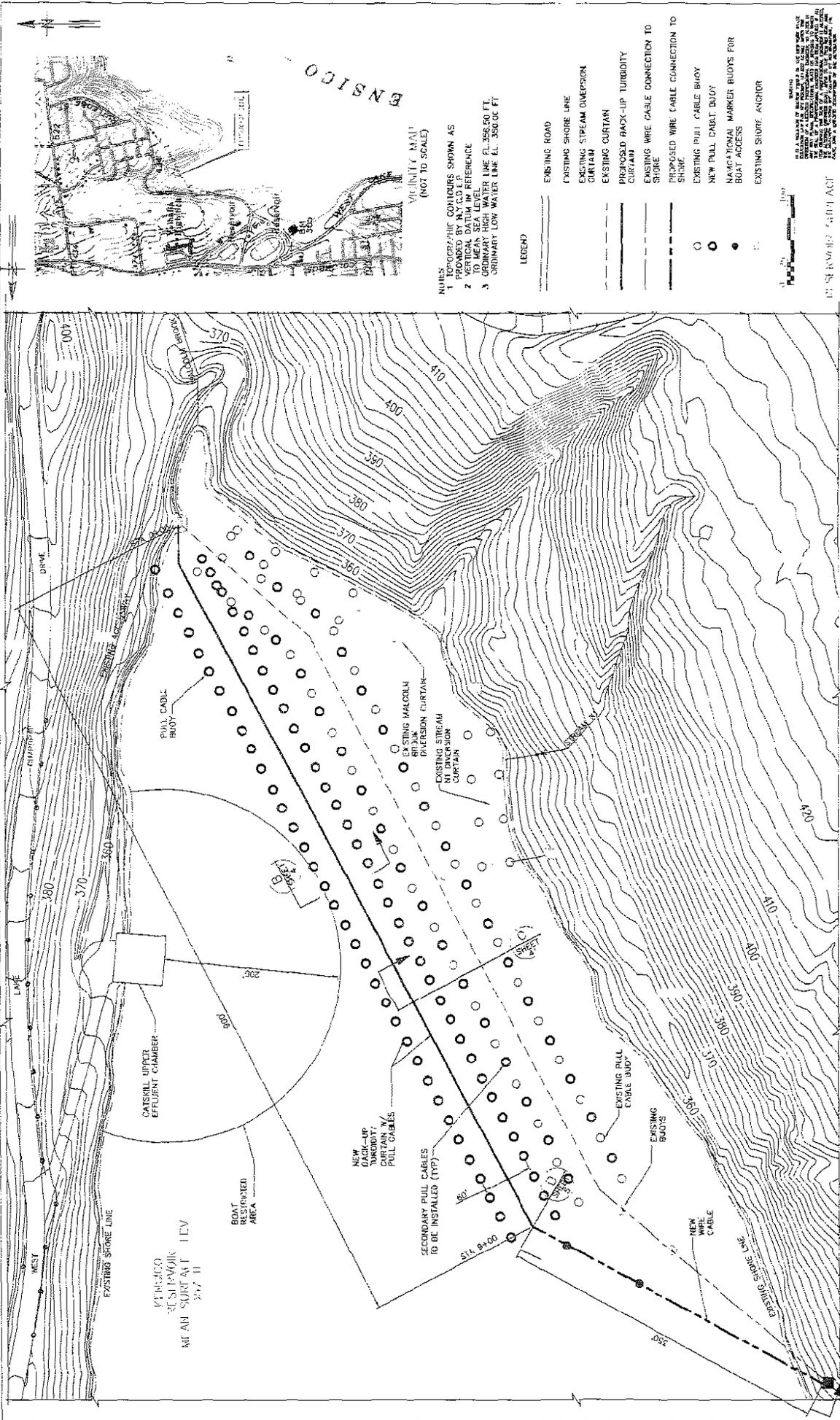


CITY OF NEW YORK  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF ENGINEERING DESIGN & CONSTRUCTION  
 KENSICO RESERVOIR  
 MOUNT PLEASANT WESTCHESTER COUNTY, NEW YORK

KENSICO RESERVOIR  
 CATSKILL UPPER EFFLUENT CHAMBER  
 INSTALLATION OF TURBIDITY CURTAIN - CAT-340

JUNE 2007  
 Figure  
 4 of 7

NAN-2007-1270-EJE



- NOTES**
- 1 TOPOGRAPHIC CONTOURS SHOWN AS PROVIDED BY NY CDD EP REFERENCE TO MEAN SEA LEVEL
  - 2 ORDINARY HIGH WATER LINE EL. 356.00 FT.
  - 3 ORDINARY LOW WATER LINE EL. 350.00 FT.

- LEGEND**
- EXISTING ROAD
  - EXISTING SHORE LINE
  - EXISTING STREAM DIVERSION CURTAIN
  - EXISTING CURTAIN
  - PROPOSED BACK-UP TURBIDITY CURTAIN
  - EXISTING WIRE CABLE CONNECTION TO SHORE
  - PROPOSED WIRE CABLE CONNECTION TO SHORE
  - EXISTING PULL CABLE BUOY
  - NEW PULL CABLE BUOY
  - NAUTICAL MARKER BUOYS FOR BOAT ACCESS
  - EXISTING SHORE ANCHOR

JUN 2007  
**Figure 7**  
**Soft 7**

**KENSICO RESERVOIR**  
**CATSKILL UPPER EFFLUENT CHAMBER**  
**INSTALLATION OF TURBIDITY CURTAIN-CAT-340**

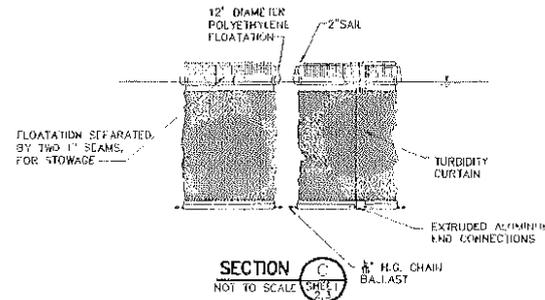
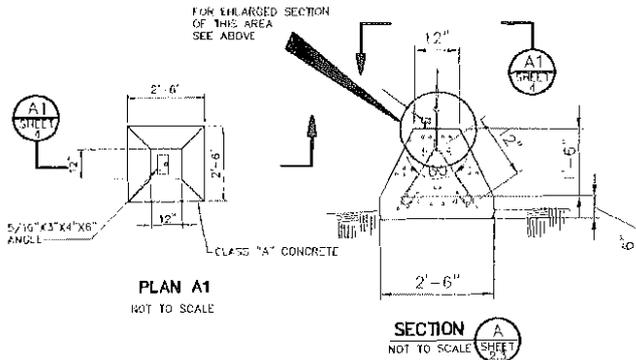
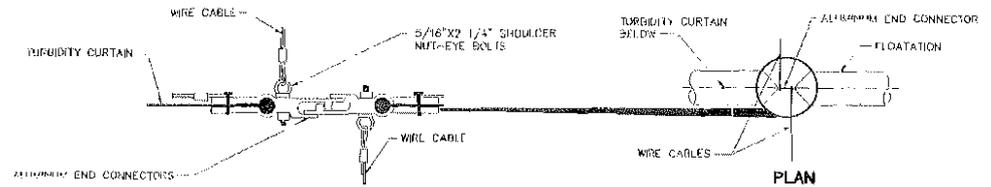
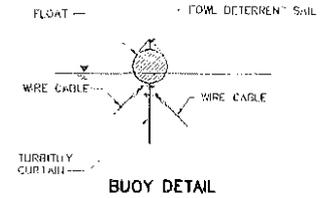
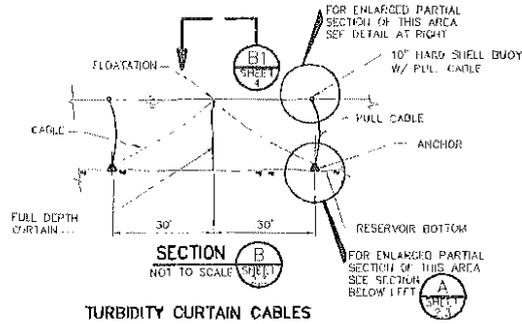
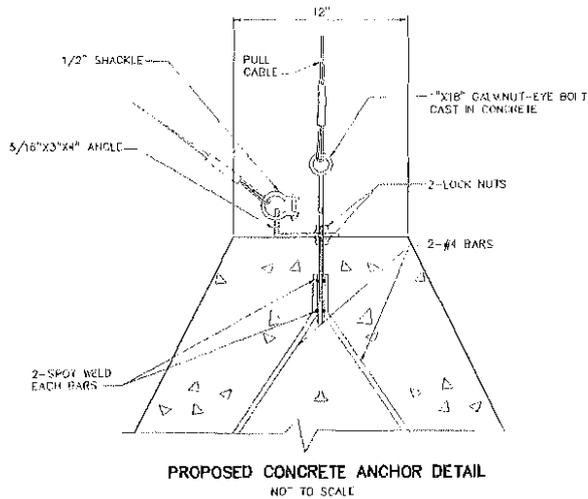
CITY OF NEW YORK  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF ENGINEERING DESIGN & CONSTRUCTION  
 KENSICO RESERVOIR  
 MOUNT HALEGAN, WESTCHESTER COUNTY, NEW YORK

PREPARED FOR THE CITY OF NEW YORK  
 EXERCISE PROJECT NUMBER  
 WATERWORKS DIVISION  
 CONTRACT NUMBER  
 WORKSHEET NUMBER

**MALCOLM PIRNIE**

NO.	DATE	BY	CHECKED	SCALE	SHEET	TOTAL SHEETS

NAN-2007-1270-ESE



NOTE  
1. QUANTITY OF FILL FOR EACH NEW ANCHOR IS 0.27 CUBIC YARDS FOR A TOTAL FILL OF APPROXIMATELY 19 CUBIC YARDS

SECTIONS AND DETAILS

REV.	DATE	BY	CHKD.	REVISIONS

DES	DP
DWG	MWP
CHKD.	



APPROVED FOR THE CITY OF NEW YORK  
EXECUTIVE PROJECT MANAGER  
WATERSHED FACILITIES DESIGN  
CHIEF  
WATERSHED FACILITIES DESIGN



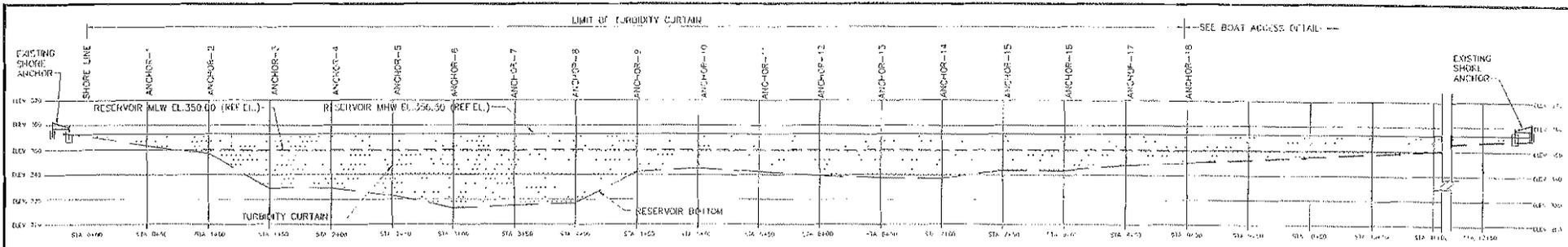
CITY OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF ENGINEERING DESIGN & CONSTRUCTION  
KENSICO RESERVOIR  
MOUNT PLEASANT, WESTCHESTER COUNTY, NEW YORK

KENSICO RESERVOIR  
CATSKILL UPPER EFFLUENT CHAMBER  
INSTALLATION OF TURBIDITY  
CURTAIN--CAT-340

DATE: JUNE 2007  
DWG NO: Figure 6 of 7  
SHEET  
FILE NAME

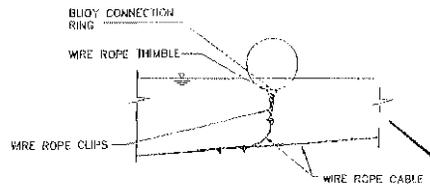
NAN-2007-1270-EJE

THIS DOCUMENT IS THE PROPERTY OF THE CITY OF NEW YORK. IT IS TO BE USED ONLY FOR THE PROJECT AND PURPOSE SPECIFIED HEREIN. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE CITY OF NEW YORK. THE CITY OF NEW YORK ASSUMES NO LIABILITY FOR ANY DAMAGE OR LOSS OF ANY KIND, INCLUDING CONSEQUENTIAL DAMAGES, ARISING FROM THE USE OF THIS DOCUMENT. THE CITY OF NEW YORK DOES NOT WARRANT THE ACCURACY, COMPLETENESS, OR QUALITY OF THE INFORMATION CONTAINED HEREIN. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY AND COMPLETENESS OF THE INFORMATION CONTAINED HEREIN. THE CITY OF NEW YORK SHALL NOT BE LIABLE FOR ANY DAMAGE OR LOSS OF ANY KIND, INCLUDING CONSEQUENTIAL DAMAGES, ARISING FROM THE USE OF THIS DOCUMENT.

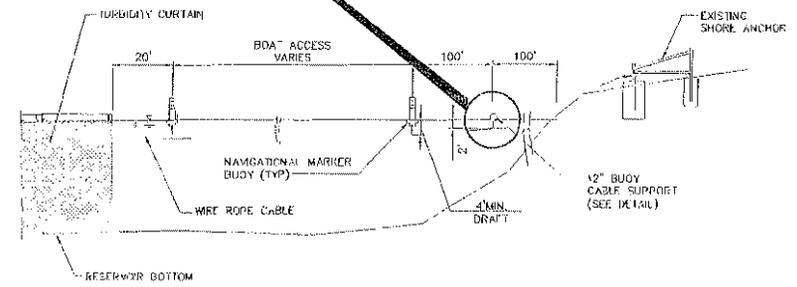


**TURBIDITY CURTAIN PROFILE**  
 SCALE HORIZ: 1"=40'  
 VERT: 1"=20'

- NOTES  
 1. TOPOGRAPHIC CONTOURS SHOWN AS PROVIDED BY NYC DEP.  
 2. VERTICAL DATUM IN REFERENCE TO MEAN SEA LEVEL.



**TYPICAL BUOY AND CABLE CONNECTION DETAIL**  
 NOT TO SCALE



**BOAT ACCESS DETAIL**  
 NOT TO SCALE

**SECTION D**  
 NOT TO SCALE SHEET 3

REVISIONS	
NO.	DESCRIPTION

DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_



APPROVED FOR THE CITY OF NEW YORK  
 EXECUTIVE PROJECT MANAGER  
 WATERSHED FACILITIES DESIGN  
 CHIEF  
 WATERSHED FACILITIES DESIGN



CITY OF NEW YORK  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF ENGINEERING DESIGN & CONSTRUCTION  
 KENSICO RESERVOIR  
 MOUNT PLEASANT, WESTCHESTER COUNTY, NEW YORK

**PROFILE AND ELEVATION**  
 KENSICO RESERVOIR  
 CATSKILL UPPER EFFLUENT CHAMBER  
 INSTALLATION OF TURBIDITY CURTAIN-CAT-340

DATE: JUNE 2007  
 DWD NO: \_\_\_\_\_  
 SHEET: Figure  
 FILE NAME: 7 of 7

NAN-2007-1270-EJE