



**US Army Corps
of Engineers**
Philadelphia District
Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107-3390
ATTN: CENAP-OP-R

Public Notice

Public Notice No.	Date
CENAP-OP-R-200600487-1	MAY 12 2006

Application No.	File No.
-----------------	----------

In Reply Refer to:
Regulatory Branch

This District has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344).

The purpose of this notice is to solicit comments and recommendations from the public concerning issuance of a Department of the Army permit for the work described below.

APPLICANT: Alma Properties, LLC
529 Terminal Avenue
New Castle, DE 19720

WATERWAY: Christina River

LOCATION: The facility is located adjacent to the Christina River on a previously used industrial site. The property address would be 601 Christina Avenue in the City of Wilmington, New Castle County, Delaware.

ACTIVITY: The applicant is proposing to construct and operate a barge berthing area along the Christina River as part of a recycling facility that would accept construction and demolition materials from the region. Construction and demolition debris would be trucked to the site where it would be consolidated and transferred to barges. The barges would then be transported to other recycling and/or recovery facilities where the materials would subsequently be sorted, processed and recycled. The property is an upland area and the applicant is proposing the following activities in 2 separate phases along the Christina River to accommodate the proposed operations.

The first phase of work (to be constructed upon receipt of all approvals) would include the proposed dredging for a barge berthing area. The area would be dredged by bucket or dragline to a depth of eighteen (18) feet below mean low water, and would generate approximately six thousand five hundred (6,500) cubic yards of dredged material. The dredged material would be transported by barge for disposal at the Whites Basin Rehandling Area. The Whites Basin facility is operated by Weeks Marine and is located in Logan Township, Gloucester County, New Jersey.

The first phase would also include the construction of a barge berthing area with breasting dolphins and a walkway running parallel to the shoreline that would extend a maximum of 150 feet channelward of the mean high water line. The mooring structures would be constructed with steel pipe pilings that would be filled with concrete.

As the operation of the facility grows, the applicant would undertake a second phase of dredging that would remove an additional 18,000 cubic yards of materials. This additional dredging area would be dredged by bucket or dragline to a depth of 18 feet at mean low water. The dredged material would be transported by barge to the Whites Basin Rehandling Area for disposal. The applicant has stated that the second phase of dredging would be conducted within 5 years of initial construction.

The above referenced dredging activities would disturb approximately 4 acres of river bottom along the Christina River. The proposed mooring structures would be located approximately 60 feet landward of the area identified as the Christina River Federal navigation channel. No structures or barges moored to those structures would be located within the authorized federal navigation channel. Additional information on the proposed work is shown on the attached plans.

PURPOSE: The applicant is proposing to offer the C&D recycling facility as a regional alternative to traditional landfill disposal of construction and demolition debris. The proposed dredging along the Christina River is necessary to accommodate the proposed barge berthing area.

Our review of this application indicates that the proposed work would not affect listed species or their critical habitat pursuant to Section 7 of the Endangered Species Act as amended. As the evaluation of this application continues, additional information may become available which could modify this current determination.

The decision whether to issue a permit will be based on an evaluation of the activity's probable impact including its cumulative impacts on the public interest. The decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the work must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the work will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shore erosion and accretion,

recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs and welfare of the people. A Department of the Army permit will be granted unless the District Engineer determines that it would be contrary to the public interest.

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 the 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.

Comments on the proposed work should be submitted, in writing, within 30 days to the District Engineer, U.S. Army Corps of Engineers, Philadelphia District, Wanamaker Building, 100 Penn Square East, Philadelphia, Pennsylvania 19107-3390.

Review of the National Register of Historic Places indicates that no registered properties or properties listed as eligible for inclusion therein are located within the permit area of the work.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act 1996 (Public Law 104-267), requires all Federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely effect Essential Fish Habitat (EFH). An assessment of the species listed in the "Guide to Essential Fish Habitat Designations in the Northeastern United States, Volume IV: New Jersey and Delaware", dated March 1999 was completed. This assessment also includes consideration of clearnose skates, little skates and winter skates, which are not listed in the above referenced guide but could be found in the mixing zone. Specifically, page 107 of the guide indicates that the project site is located within and near the upstream limits of the Delaware Bay mixing zone. Our assessment has concluded that the project site is a tidal freshwater zone during the spring and summer months when the marine species listed and not listed by the National Marine Fisheries Service would be expected by the National Marine Fisheries Service to inhabit the site. In other

words, the habitat parameters for the species listed and not listed by the National Marine Fisheries Service for the Delaware Bay mixing zone would not be present at the project site and that the proposed work would have no adverse effect on any EFH resources.

In accordance with Section 307(c) of the Coastal Zone Management Act of 1972, applicants for Federal Licenses or Permits to conduct an activity affecting land or water uses in a State's coastal zone must provide certification that the activity complies with the State's Coastal Zone Management Program. The applicant has stated that the proposed activity complies with and will be conducted in a manner that is consistent with the approved State Coastal Zone Management (CZM) Program. No permit will be issued until the State has concurred with the applicant's certification or has waived its right to do so. Comments concerning the impact of the proposed and/or existing activity on the State's coastal zone should be sent to this office, with a copy to the State's Office of Coastal Zone Management.

In accordance with Section 401 of the Clean Water Act, a Water Quality Certificate is necessary from the State government in which the work is located. Any comments concerning the work described above which relate to Water Quality considerations should be sent to this office with a copy to the State.

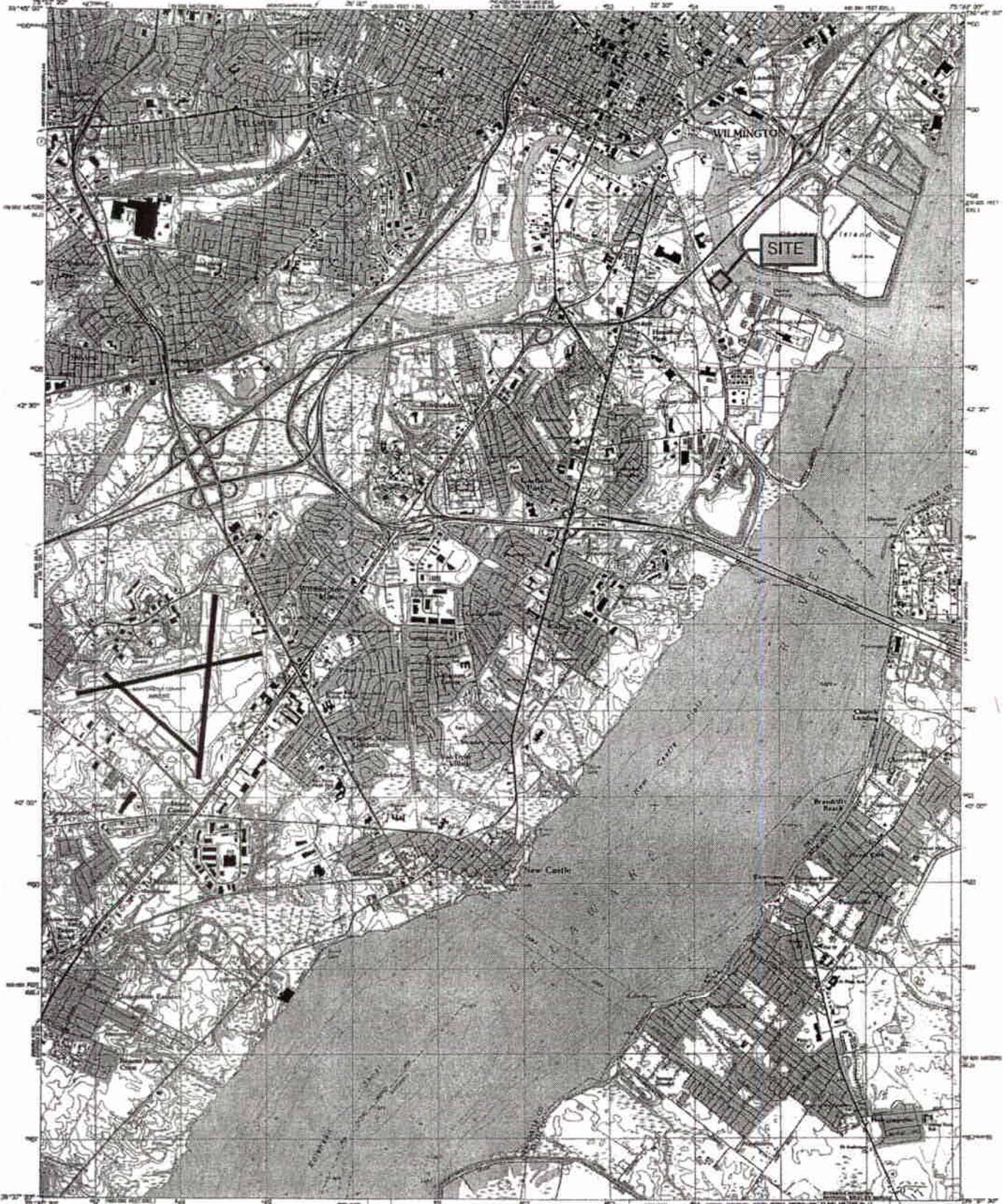
The evaluation of the impact of the work described above on the public interest will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act.

Any person may request, in writing, to the District Engineer, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state in writing, with particularity, the reasons for holding a public hearing.

Additional information concerning this permit application may be obtained by calling Mr. Edward Bonner at (215) 656-5932 between the hours of 1:00 and 3:30 p.m. or writing this office at the above address.



Frank J. Cianfrani
Chief, Regulatory Branch



Produced by the United States Geological Survey
Derived from maps issued 1989 and other sources. Photoreprinted
using imagery taken 1991, on major urban and drainage changes
observed. Many revised contour as of 1992.
Boundaries, after data revision, verified 1989.
Selected hydrographic data compiled from 1920 sheet 224 (2346)
This information is not intended for navigational purposes.
North American Datum of 1983 (NAD 83). Projection not
3000-meter grid. Universal Transverse Mercator, zone 18
18 500-foot ticks. International Geodetic System of 1982
2 500-meter ticks. True Survey Coordinate System of 1982.
North American Datum of 1983 (NAD 83) is shown by dashed
contour ticks. The values of elevations on 100-foot and 200-foot
are 7.5-minute boundaries are omitted from this map.
Survey 1982-1983 edition.
There may be private buildings within the boundaries of
the National or State government shown on this map.

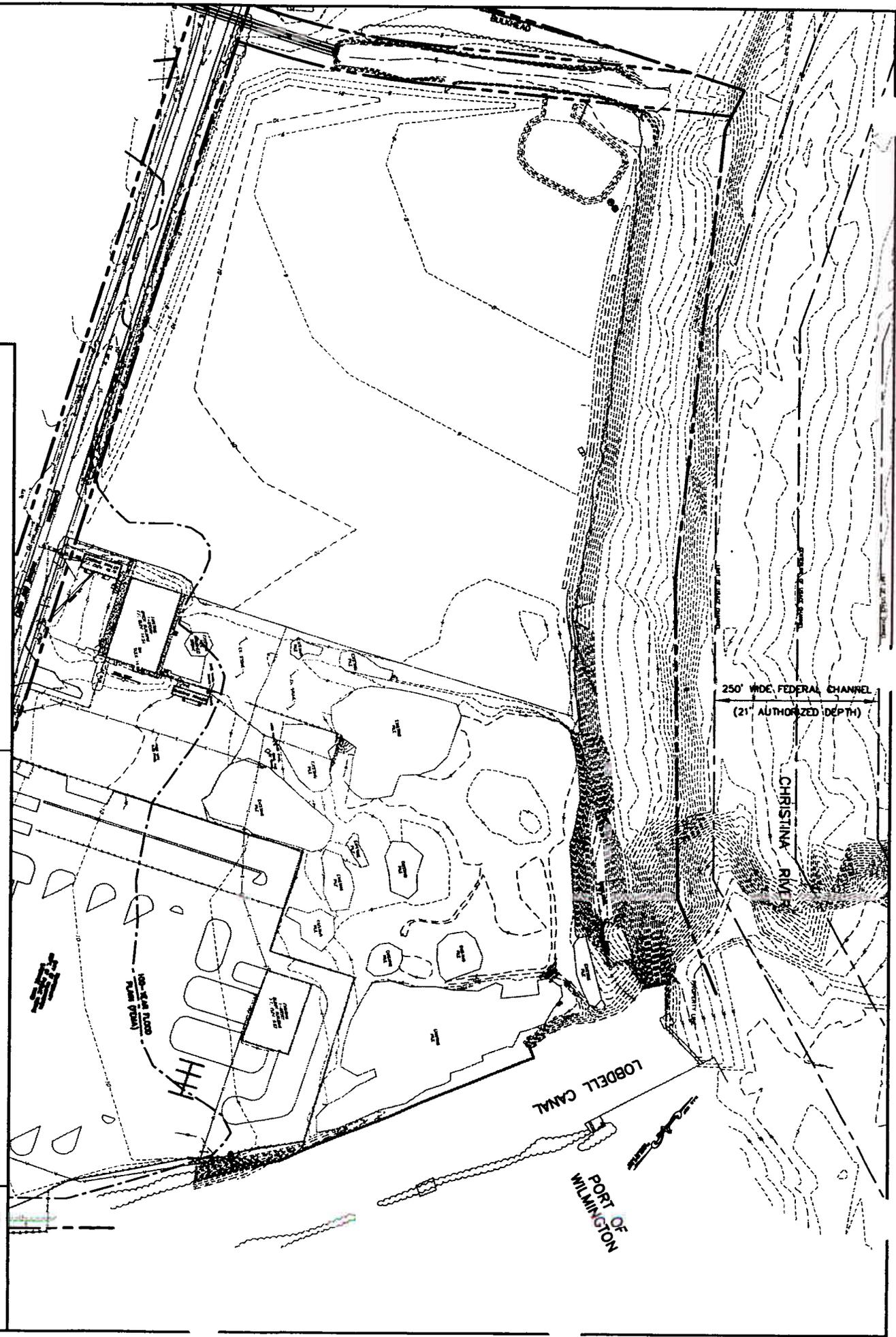


SCALE 1:25,000
CONTOUR INTERVAL, 5 FEET
NATIONAL GEODESIC SURVEY OF 1983 (NAD 83)
ON CONTOUR INTERVALS TO THE NORTH, PROTECTIVE HAZARD ZONE OF 100 FEET
THICKNESS AND BOUNDARIES ON 100 FEET INTERVALS (SEE NOTE)
THE BOUNDARIES BETWEEN THE 100 FEET INTERVALS
THE ROAD SPACES OF 100 FEET IN 1983
THE CONTOUR INTERVALS TO THE NORTH, PROTECTIVE HAZARD ZONE OF 100 FEET
THICKNESS AND BOUNDARIES ON 100 FEET INTERVALS (SEE NOTE)
FOR SALE BY U.S. GEOLOGICAL SURVEY, P.O. BOX 999, DENVER, COLORADO 80266
A SCHEMATIC REPRESENTATION OF THE DATA AND PRODUCTS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION

Primary highway	Lightly used, local or
Secondary highway	improved routes
Unimproved road	
Unimproved road	
Other Road	

WILMINGTON SOUTH, DEL.-N.J.
1997
7500 500 x 7500000 1000



250' WIDE FEDERAL CHANNEL
(21' AUTHORIZED DEPTH)

CHRISTINA RIVER

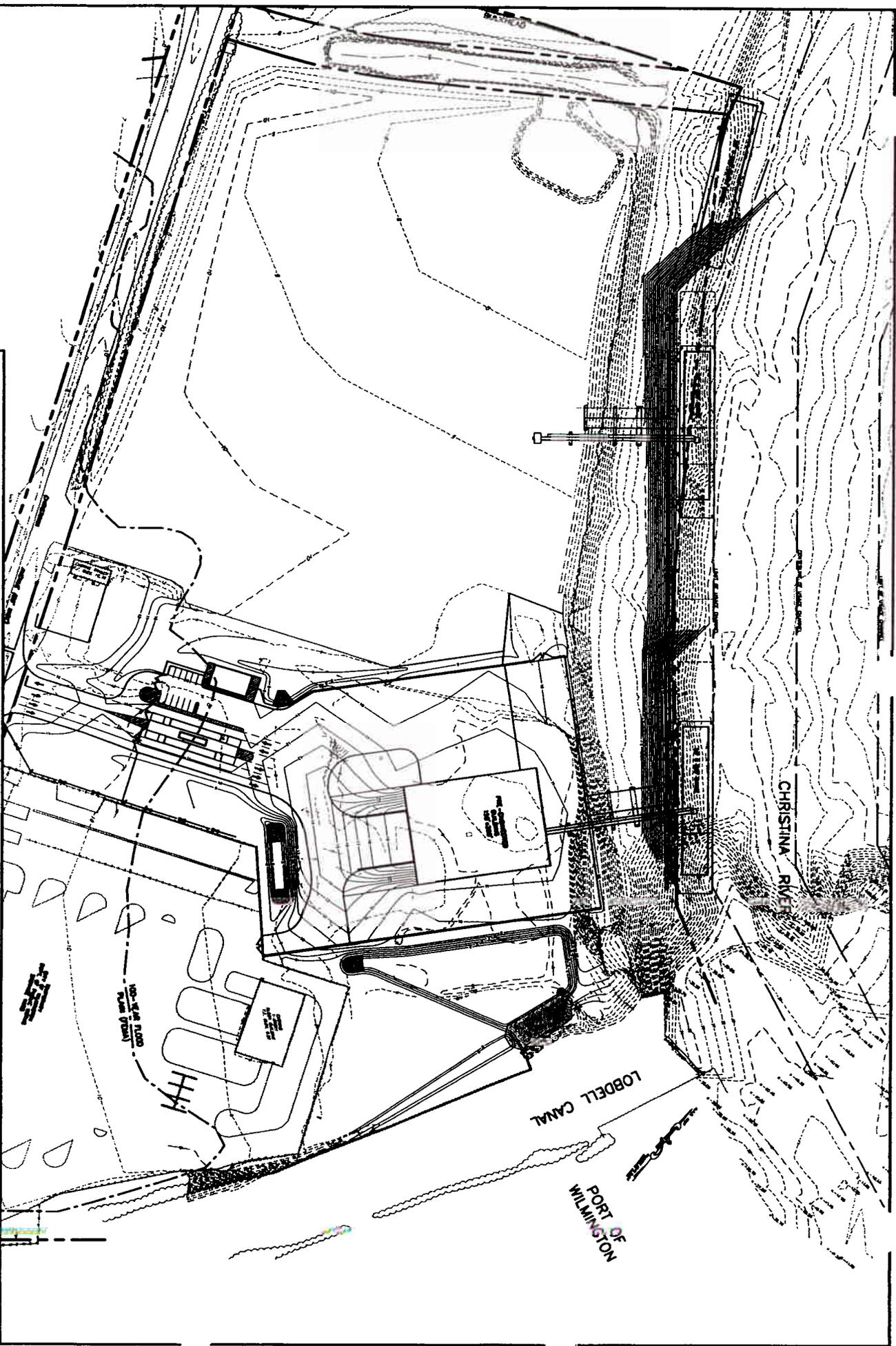
LOBDELL CANAL

PORT OF WILMINGTON

WB
WHITNEY
BAILEY
COX
MAGNANI, LLC
CONSULTING ENGINEERS
849 FAIRMOUNT AVE.
BALTIMORE, MD 21286
410-512-4500
410-324-4100 (FAX)

EXISTING CONDITIONS PLAN
DELAWARE C & D RECYCLING
FACILITY
WILMINGTON, DELAWARE

Date **03-22-06**
Scale **1"=200'**

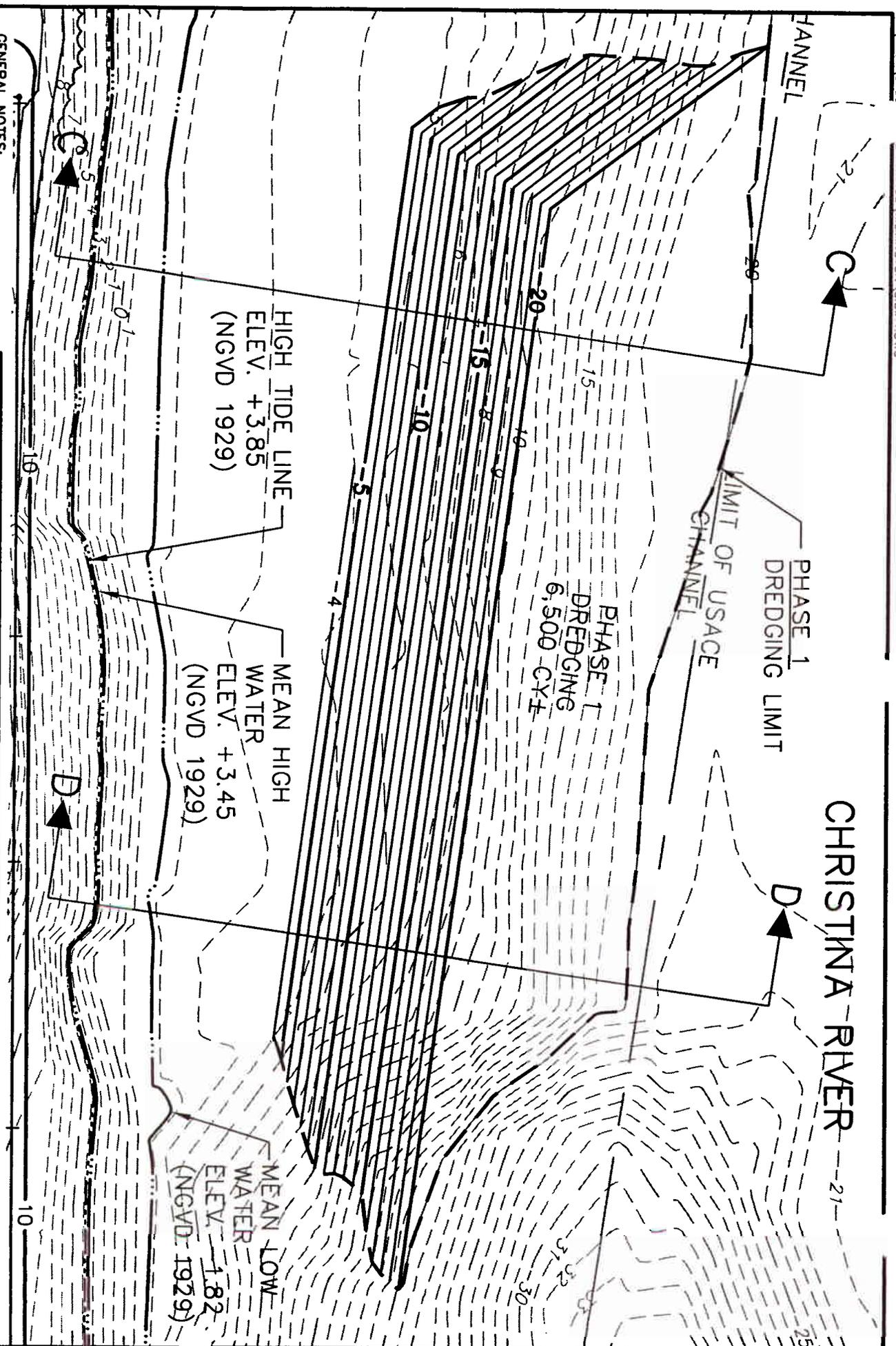


WHITNEY BAILEY COX MAGNANI, LLC
 CONSULTING ENGINEERS
 849 FAIRMOUNT AVE.
 BALTIMORE, MD 21286
 410-512-4500
 410-324-4100 (FAX)

PROPOSED CONDITIONS PLAN
 DELAWARE C & D RECYCLING
 FACILITY
 WILMINGTON, DELAWARE

Date **03-22-06**
 Scale **1"=200'**

CHRISTINA RIVER



GENERAL NOTES:

-ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NGVD 1929 VERTICAL DATUM. THE CHRISTINA RIVER DATUM IS 3.162 FEET LOWER THAN NGVD 1929 DATUM.



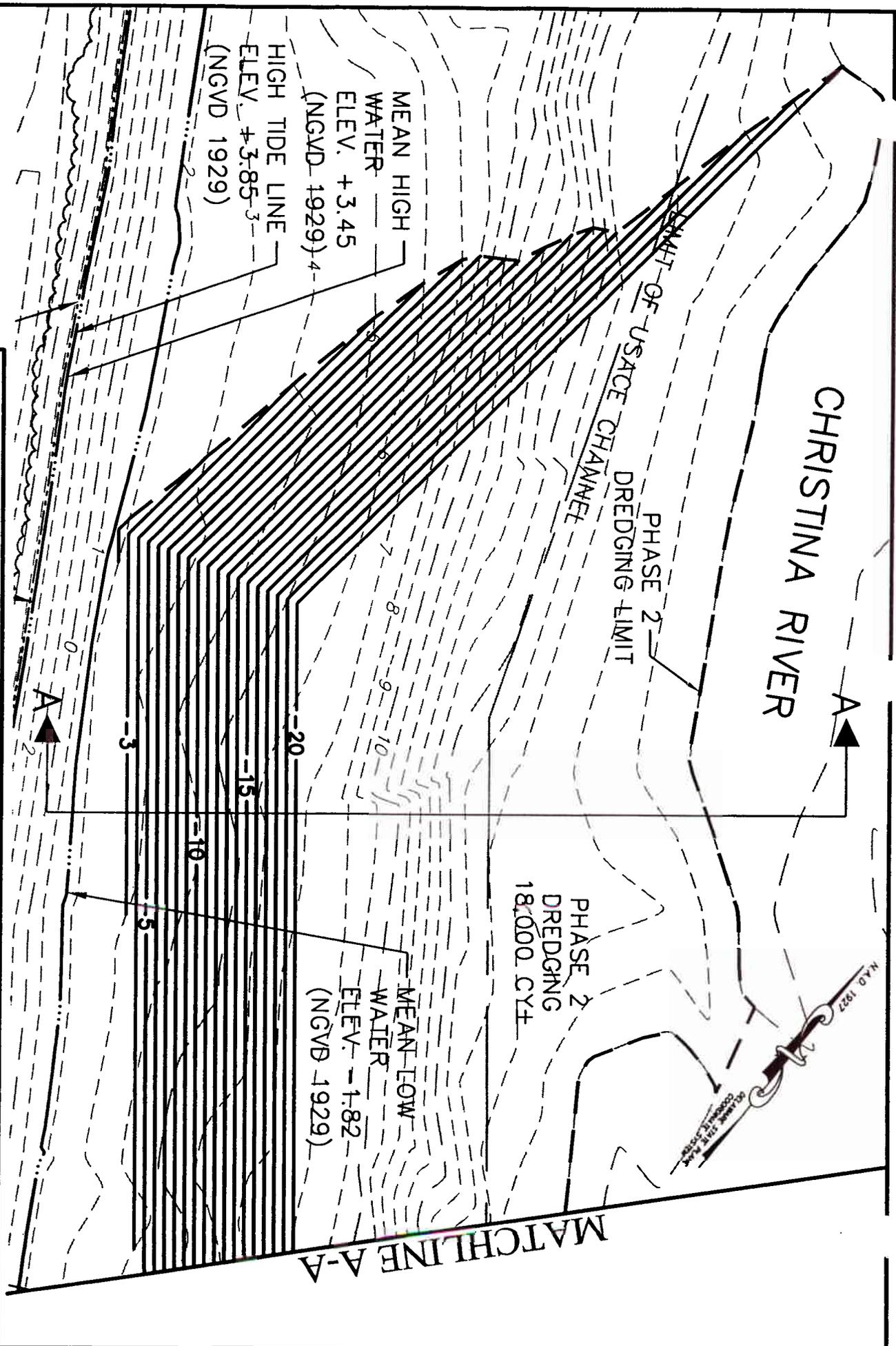
WHITNEY BAILEY COX MAGNANI, LLC
 CONSULTING ENGINEERS
 849 FAIRMOUNT AVE.
 BALTIMORE, MD 21286
 410-512-4500
 410-324-4100 (FAX)

DREDGING PLAN (PHASE-1)

DELAWARE C & D RECYCLING FACILITY
 WILMINGTON, DELAWARE

Date **03-22-06**

Scale **1"=40'**

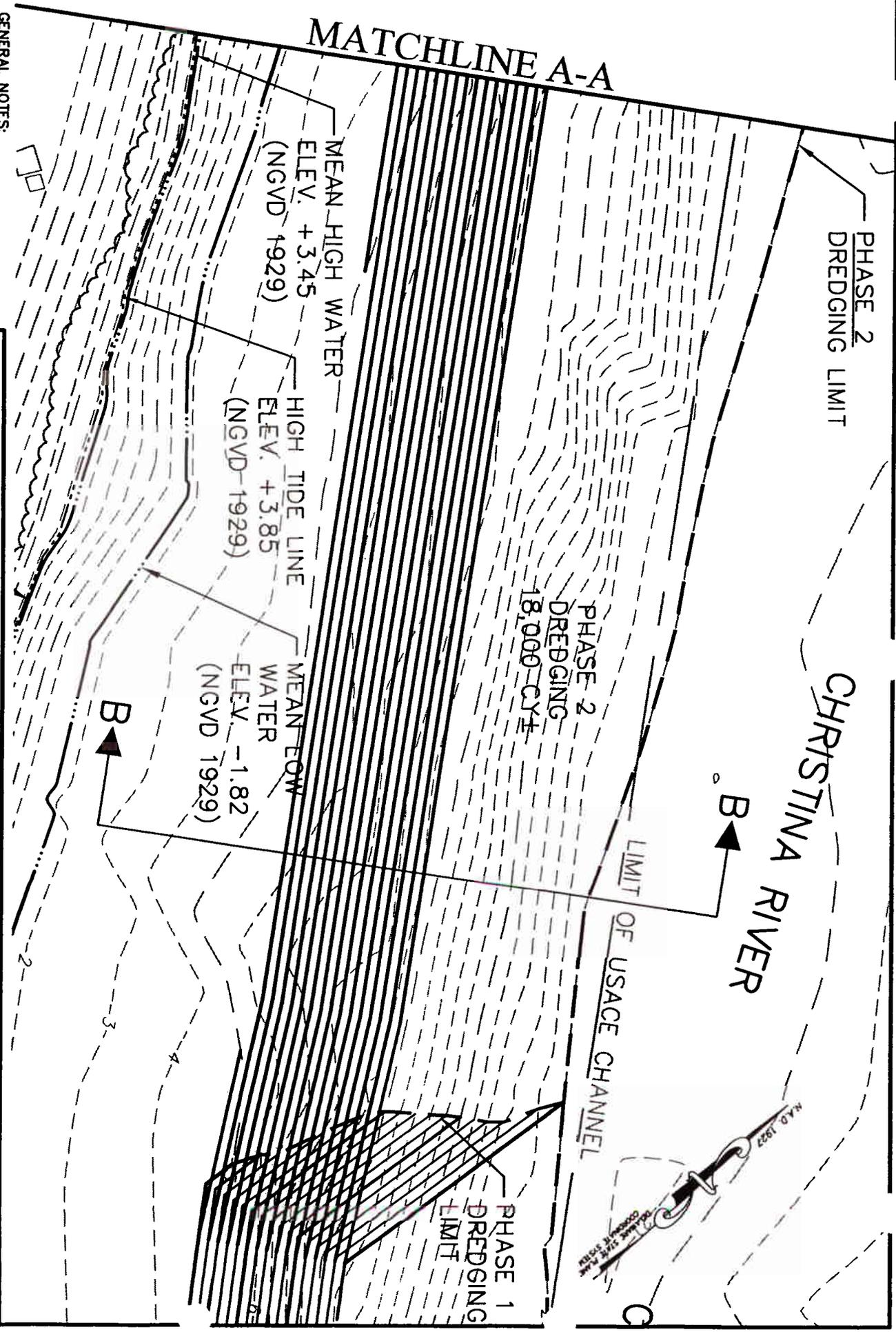


GENERAL NOTES:
 -ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NGVD 1929 VERTICAL DATUM. THE CHRISTINA RIVER DATUM IS 3.162 FEET LOWER THAN NGVD 1929 DATUM.

WPC WHITNEY BAILEY
 COX MAGNANI, LLC
 CONSULTING ENGINEERS
 849 FAIRMOUNT AVE.
 BALTIMORE, MD 21286
 410-512-4500
 410-324-4100 (FAX)

DREDGING PLAN (PHASE-2) (1 of 2)		Date	03-22-06
DELAWARE C & D RECYCLING FACILITY WILMINGTON, DELAWARE		Scale	1"=40'

MATCHLINE A-A



GENERAL NOTES:

-ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NGVD 1929 VERTICAL DATUM. THE CHRISTINA RIVER DATUM IS 3.162 FEET LOWER THAN NGVD 1929 DATUM.



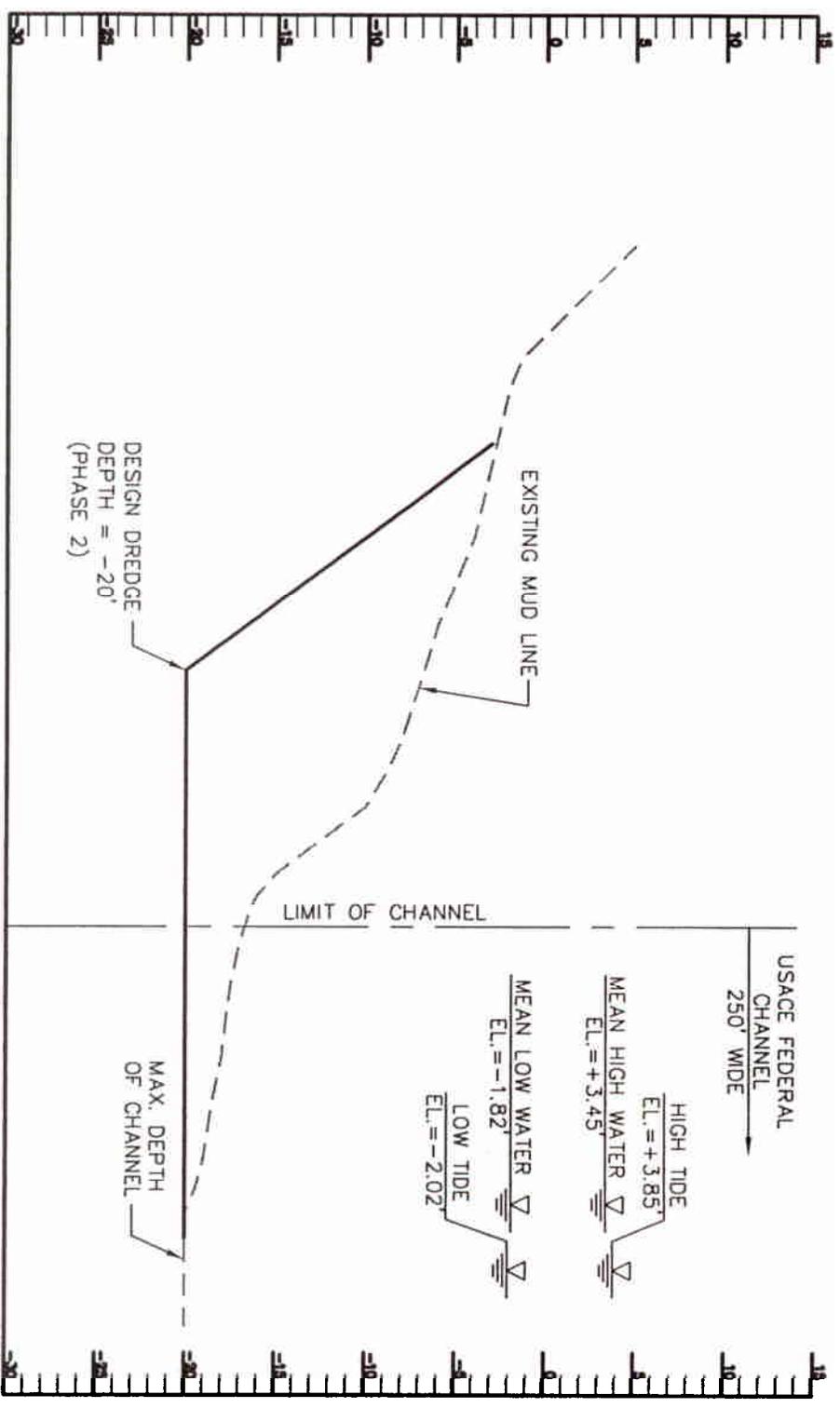
WHITNEY BAILEY COX
MAGNANI, LLC
CONSULTING ENGINEERS
849 FAIRMOUNT AVE.
BALTIMORE, MD 21286
410-512-4500
410-324-4100 (FAX)

DREDGING PLAN (PHASE-2)
(2 of 2)

DELAWARE C & D RECYCLING FACILITY
WILMINGTON, DELAWARE

Date 03-22-06

Scale 1"=40'



CROSS-SECTION A-A

SCALE: HORIZ. 1" = 40'
 VERT. 1" = 10'

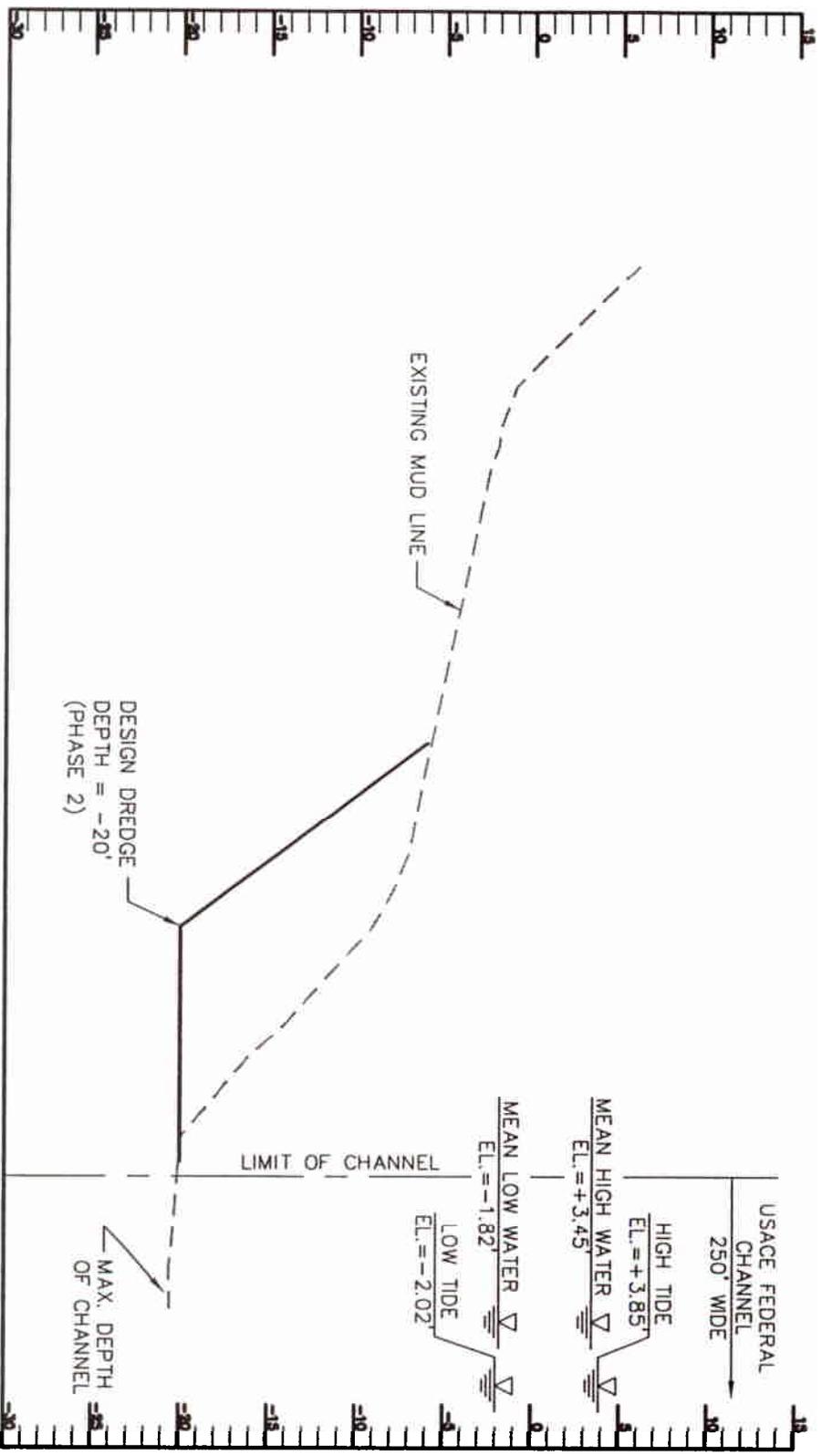
GENERAL NOTES:

-ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NGVD 1929 VERTICAL DATUM. THE CHRISTINA RIVER DATUM IS 3.162 FEET LOWER THAN NGVD 1929 DATUM.

WHITNEY BAILEY COX MAGNANI, LLC
 CONSULTING ENGINEERS
 849 FAIRMOUNT AVE.
 BALTIMORE, MD 21286
 410-512-4500
 410-324-4100 (FAX)

DREDGING SECTION A-A
 DELAWARE C & D RECYCLING FACILITY
 WILMINGTON, DELAWARE

03-22-06
 Date
 SEE ABOVE
 Scale



CROSS-SECTION B-B

SCALE: HORIZ. 1"=40'
VERT. 1"=10'

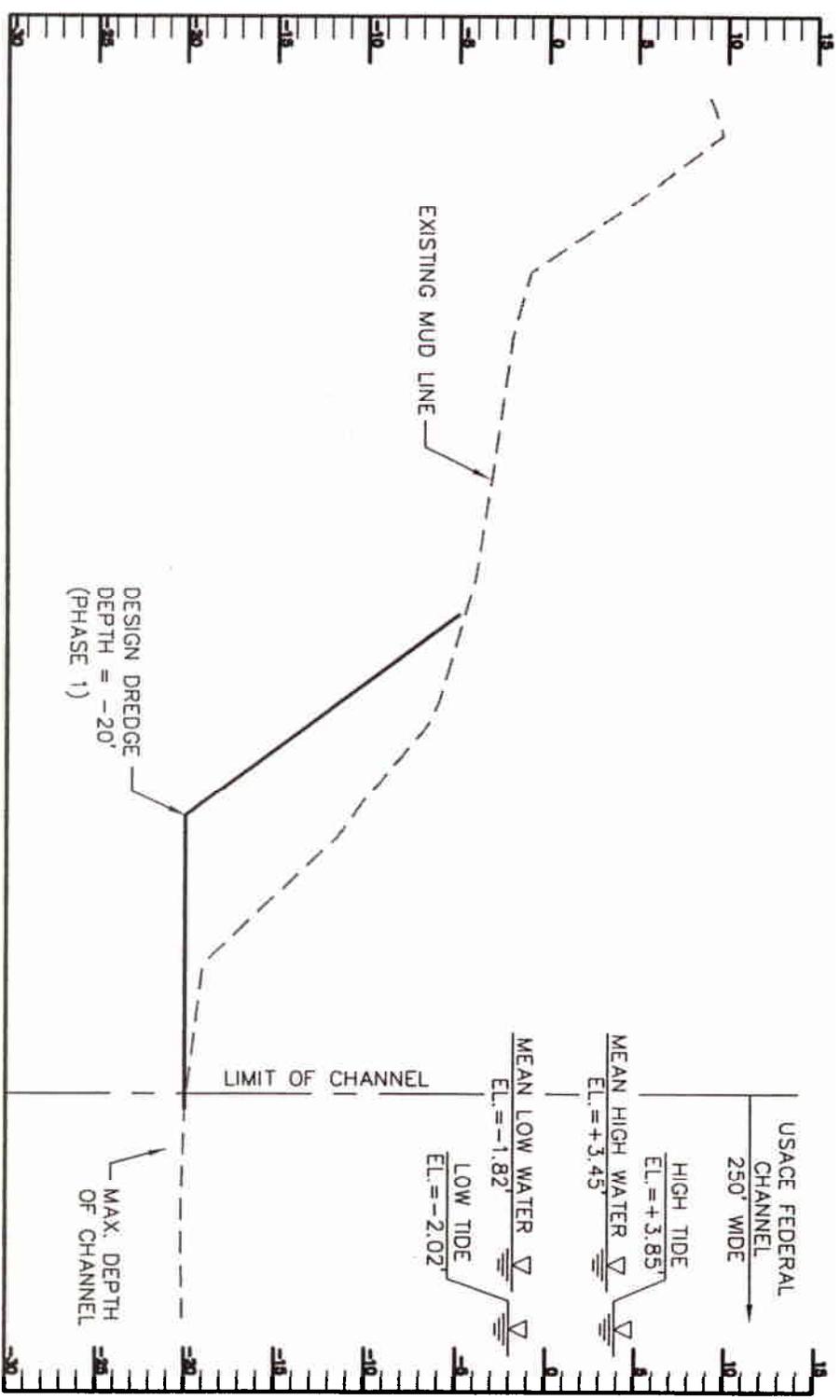
GENERAL NOTES:

-ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NGVD 1929 VERTICAL DATUM. THE CHRISTINA RIVER DATUM IS 3.162 FEET LOWER THAN NGVD 1929 DATUM.

WHITNEY BAILEY COX MAGNANI, LLC
CONSULTING ENGINEERS
849 FAIRMOUNT AVE.
BALTIMORE, MD 21286
410-512-4500
410-324-4100 (FAX)

DREDGING SECTION B-B
DELAWARE C & D RECYCLING FACILITY
WILMINGTON, DELAWARE

03-22-06
Date
SEE ABOVE
Scale



CROSS-SECTION C-C

SCALE: HORIZ. 1"=40'
VERT. 1"=10'

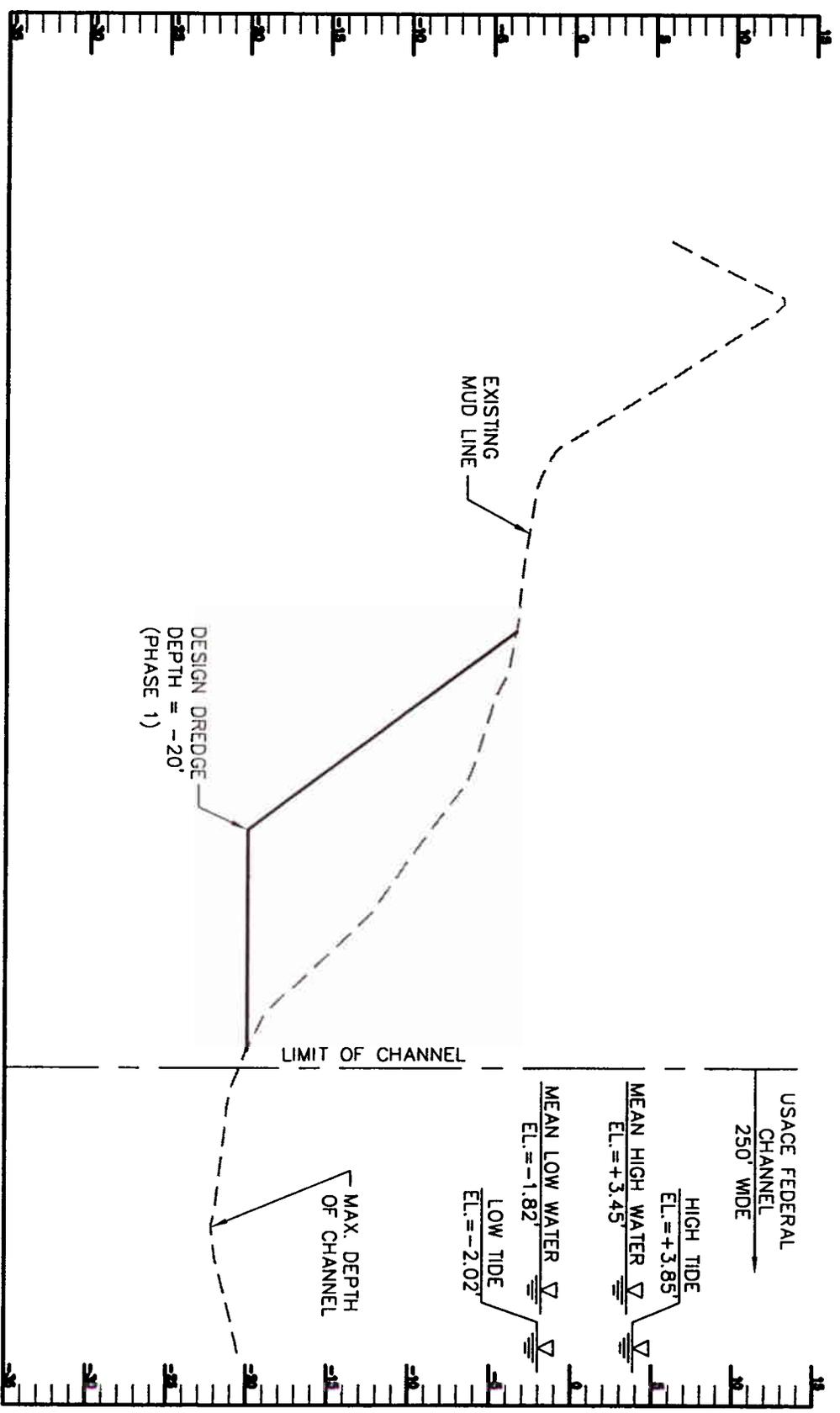
GENERAL NOTES:

-ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NGVD 1929 VERTICAL DATUM. THE CHRISTINA RIVER DATUM IS 3.162 FEET LOWER THAN NGVD 1929 DATUM.

WHITNEY BAILEY COX MAGNANI, LLC
 CONSULTING ENGINEERS
 849 FARMOUNT AVE.
 BALTIMORE, MD 21286
 410-512-4500
 410-324-4100 (FAX)

DREDGING SECTION C-C
 DELAWARE C & D RECYCLING FACILITY
 WILMINGTON, DELAWARE

03-22-06
 Date
 SEE ABOVE
 Scale



CROSS-SECTION D-D

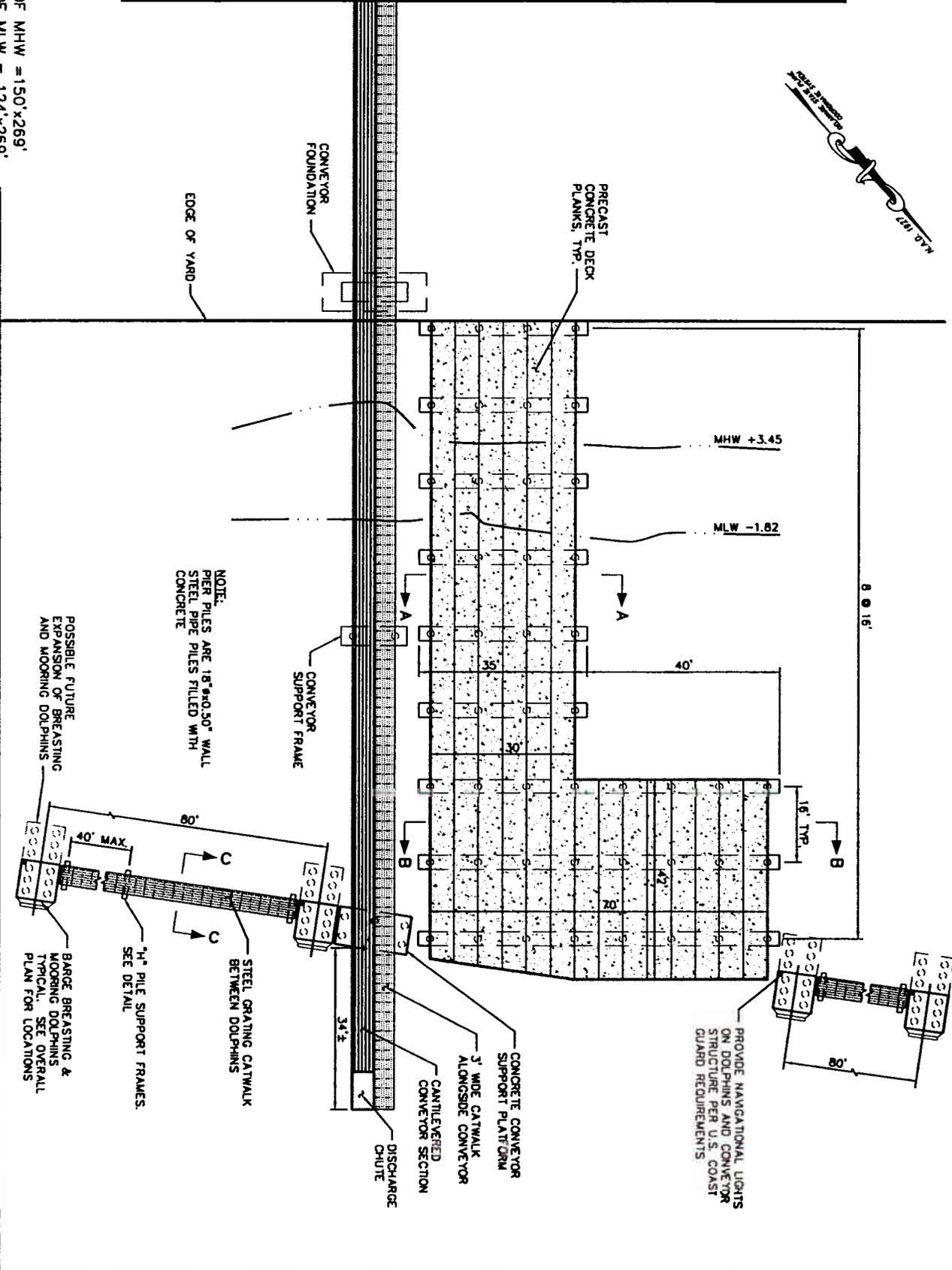
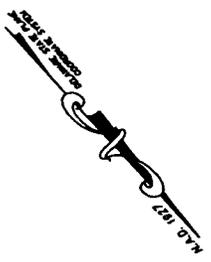
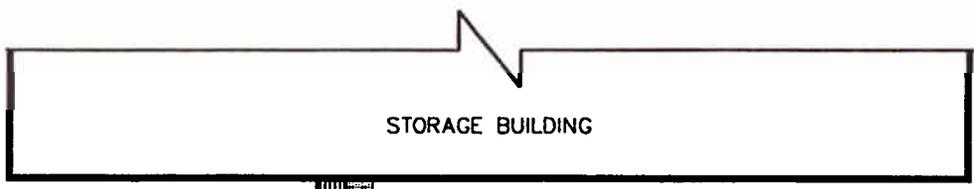
SCALE: HORIZ. 1"=40'
VERT. 1"=10'

GENERAL NOTES:
-ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NGVD 1929 VERTICAL DATUM. THE CHRISTINA RIVER DATUM IS 3.162 FEET LOWER THAN NGVD 1929 DATUM.

WHITNEY BAILEY COX MAGNANI, LLC
CONSULTING ENGINEERS
849 FAIRMOUNT AVE.
BALTIMORE, MD 21286
410-512-4500
410-324-4100 (FAX)

DREDGING SECTION D-D
DELAWARE C & D RECYCLING FACILITY
WILMINGTON, DELAWARE

Date **03-22-06**
Scale **SEE ABOVE**



- GENERAL NOTES:**
1. DIMENSIONS: CHANNELWARD OF MHW = 150' x 269'
 2. WIDTH OF WATERWAY = 880' (MLW TO MLW)
 3. ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NGVD 1929 VERTICAL DATUM. THE CHRISTINA RIVER DATUM IS 3.162 FEET LOWER THAN NGVD 1929 DATUM.



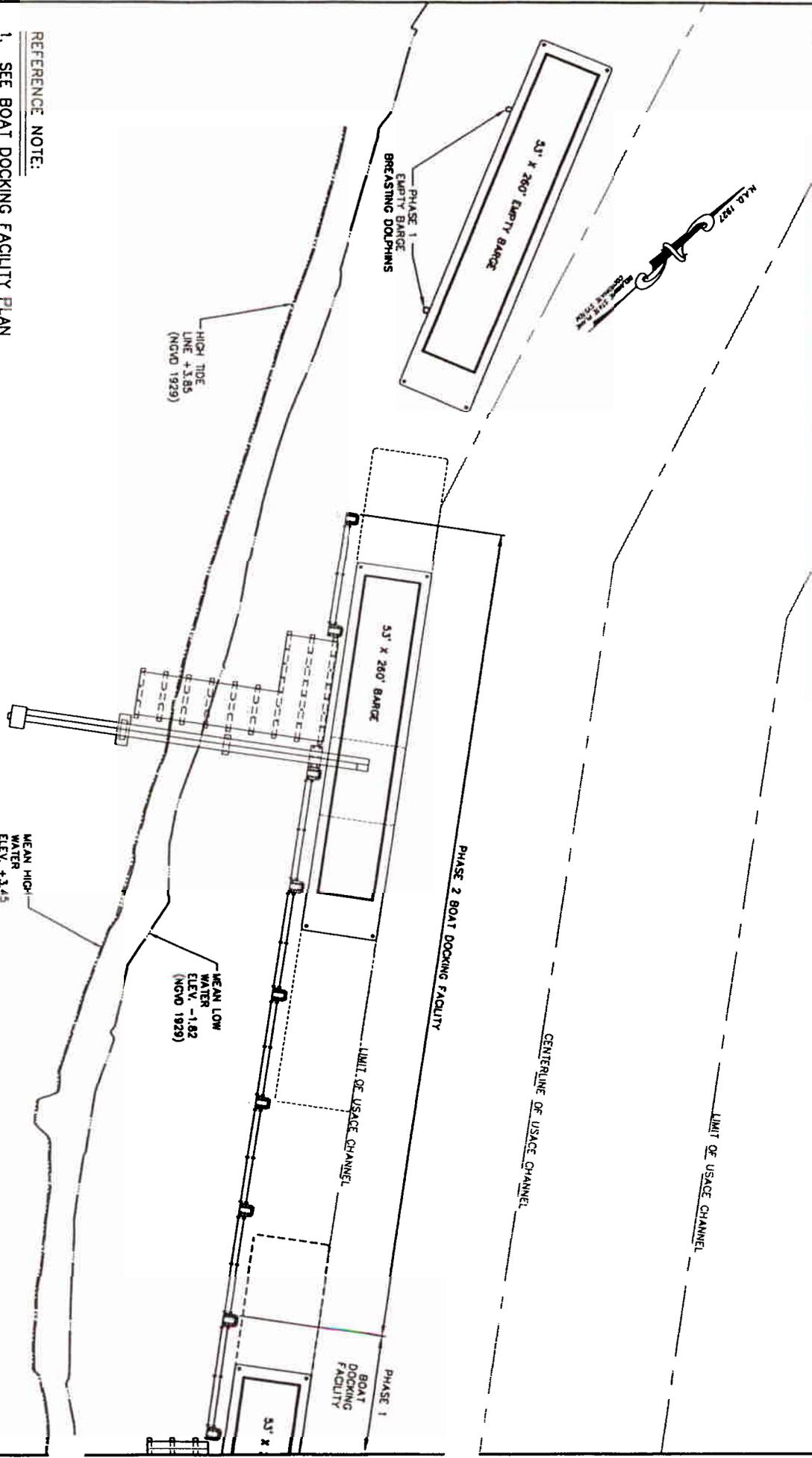
CONSULTING ENGINEERS
849 FAIRMOUNT AVE.
BALTIMORE, MD 21286
410-512-4500
410-324-4100 (FAX)

**BOAT DOCKING FACILITY PLAN
(PHASE 1)**

**DELAWARE C & D RECYCLING
FACILITY**
WILMINGTON, DELAWARE

Date
03-22-06

Scale
1"=30'



- REFERENCE NOTE:**
1. SEE BOAT DOCKING FACILITY PLAN (PHASE 1) FOR DIMENSIONS AND CONSTRUCTIONS NOTES FOR PHASE 2.

GENERAL NOTES:

1. DIMENSIONS:
CHANNELWARD OF MHW = 139'x571'
CHANNELWARD OF MLW = 118'x571'
2. WIDTH OF WATERWAY = 775'
(MLW TO MLW)
3. ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NGVD 1929 VERTICAL DATUM, THE CHRISTINA RIVER DATUM IS 3.162 FEET LOWER THAN NGVD 1929 DATUM.



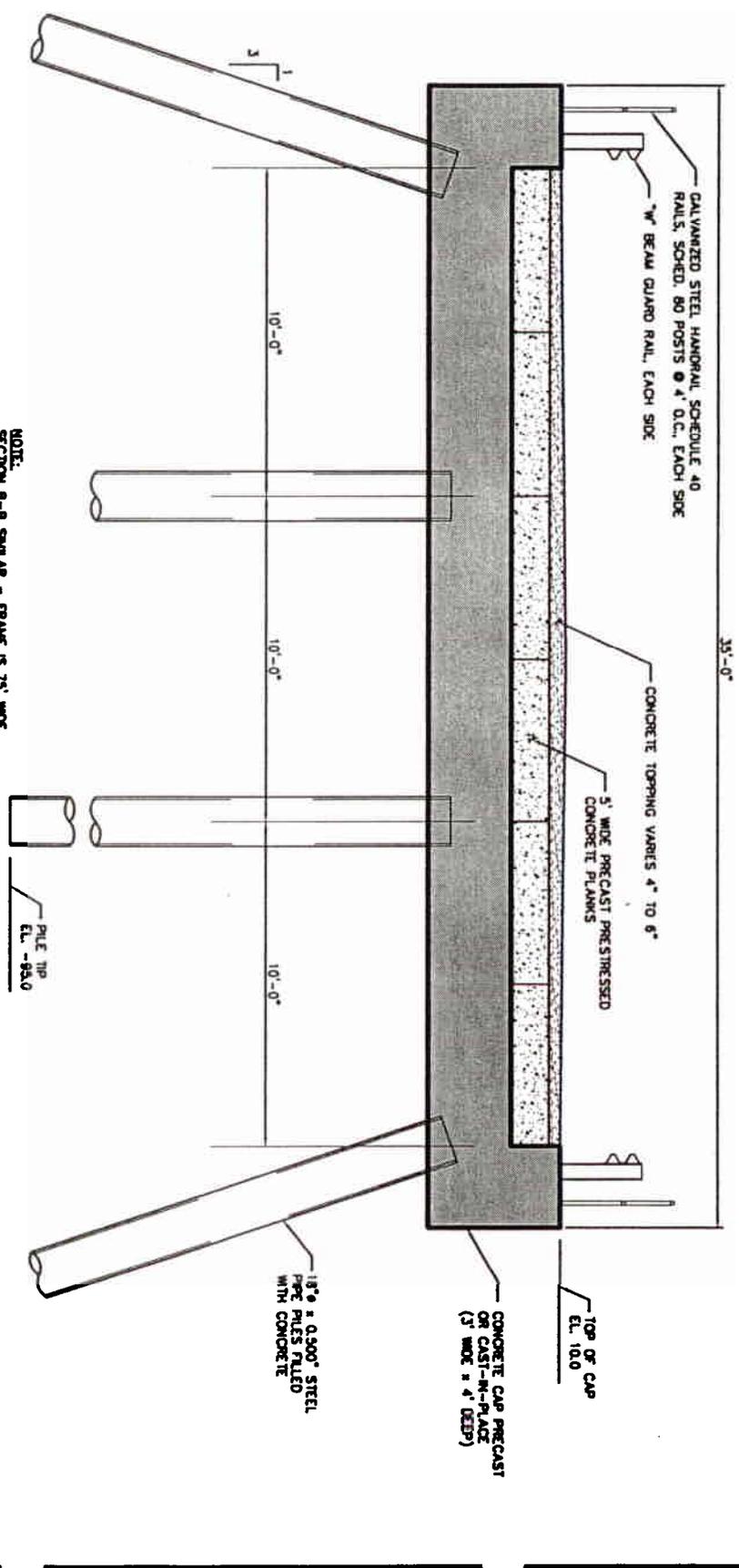
WHITNEY BAILEY COX MAGNANI, LLC
CONSULTING ENGINEERS
849 FAIRMOUNT AVE.
BALTIMORE, MD 21286
410-512-4500
410-324-4100 (FAX)

BOAT DOCKING FACILITY PLAN (PHASE 2)

DELAWARE C & D RECYCLING FACILITY
WILMINGTON, DELAWARE

Date
03-22-06

Scale
1"=100'



NOTE:
SECTION 8-8 SIMILAR - FRAME IS 75" WIDE
WITH 8-18" PILES @ 10' O.C.

SECTION A-A/B-B
SCALE: 3/16" = 1'-0"

GENERAL NOTES:

-ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NGVD 1929 VERTICAL DATUM. THE CHRISTINA RIVER DATUM IS 3.162 FEET LOWER THAN NGVD 1929 DATUM.



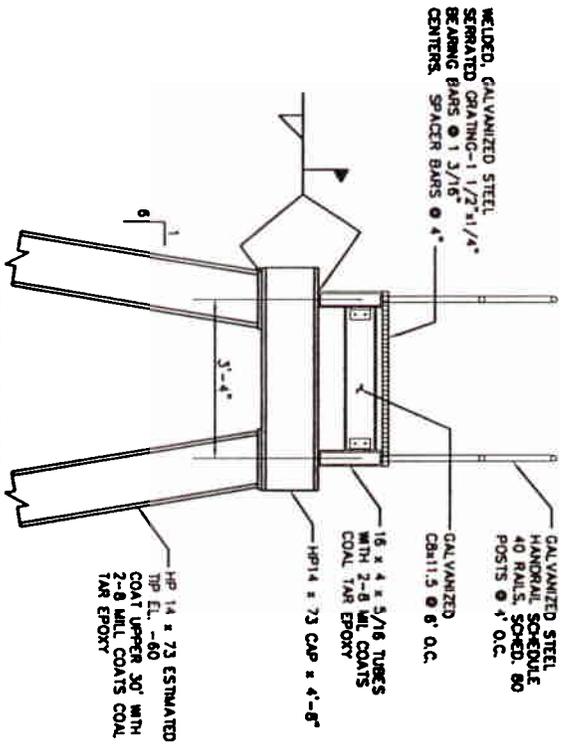
WHITNEY BAILEY COX MAGNANI, LLC
CONSULTING ENGINEERS
849 FAIRMOUNT AVE.
BALTIMORE, MD 21286
410-512-4500
410-324-4100 (FAX)

BOAT DOCKING FACILITY DETAILS
(1 of 3)

DELAWARE C & D RECYCLING FACILITY
WILMINGTON, DELAWARE

Date **03-22-06**

SEE ABOVE
Scale



SECTION C-C
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

-ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NGVD 1929 VERTICAL DATUM. THE CHRISTINA RIVER DATUM IS 3.162 FEET LOWER THAN NGVD 1929 DATUM.

RWB WHITNEY
BAILEY
COX
MAGNANI, LLC

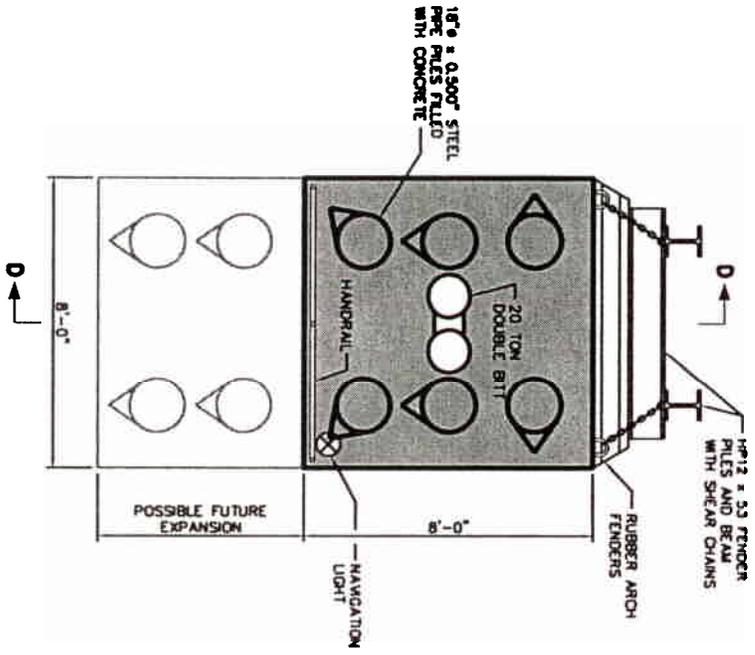
CONSULTING ENGINEERS
849 FAIRMOUNT AVE.
BALTIMORE, MD 21286
410-512-4500
410-324-4100 (FAX)

BOAT DOCKING FACILITY DETAILS
(2 of 3)

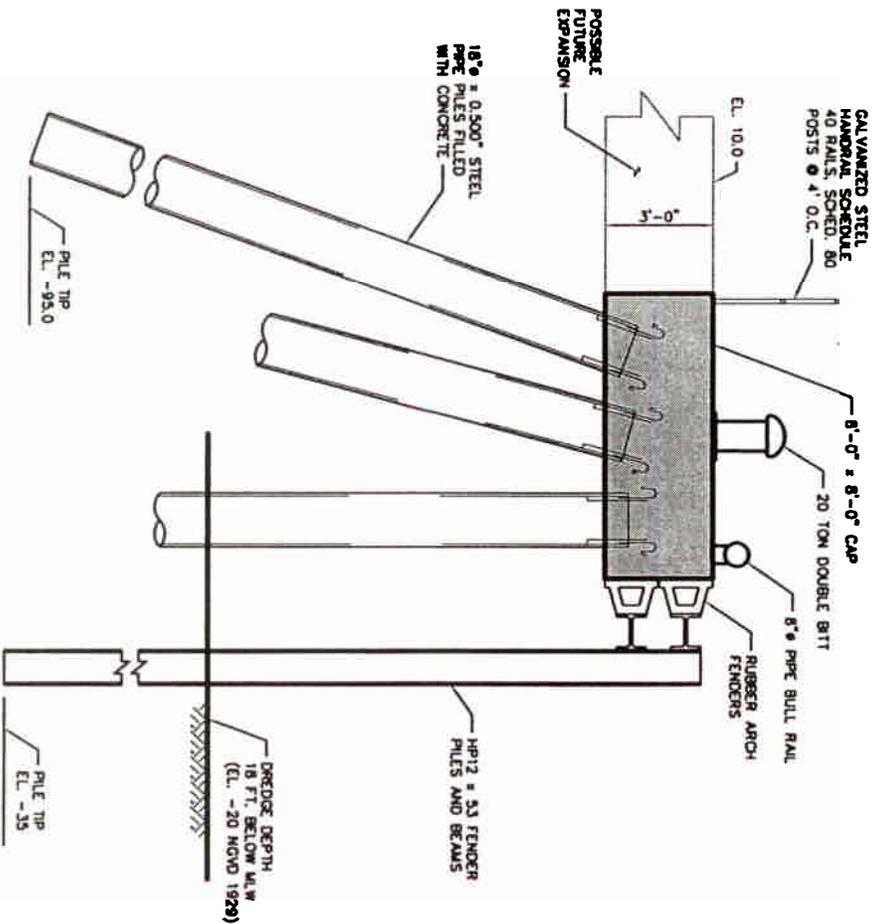
DELAWARE C & D RECYCLING
FACILITY
WILMINGTON, DELAWARE

03-22-06
Date

SEE
ABOVE
Scale



PLAN
SCALE: 3/16"=1'-0"



SECTION D-D
SCALE: 3/16"=1'-0"

GENERAL NOTES:

-ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NGVD 1929 VERTICAL DATUM. THE CHRISTINA RIVER DATUM IS 3.162 FEET LOWER THAN NGVD 1929 DATUM.



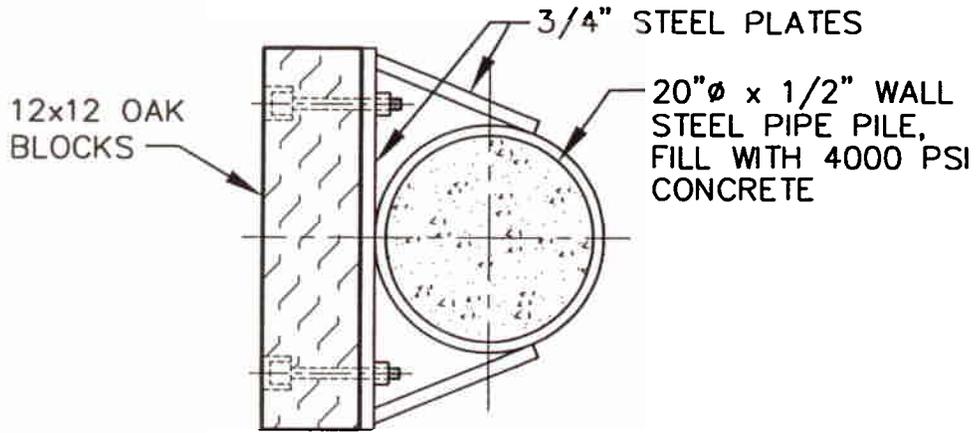
WHITNEY BAILEY COX
MAGNANI, LLC
CONSULTING ENGINEERS
849 FAIRMOUNT AVE.
BALTIMORE, MD 21286
410-512-4500
410-324-4100 (FAX)

BOAT DOCKING FACILITY DETAILS
(3 of 3)

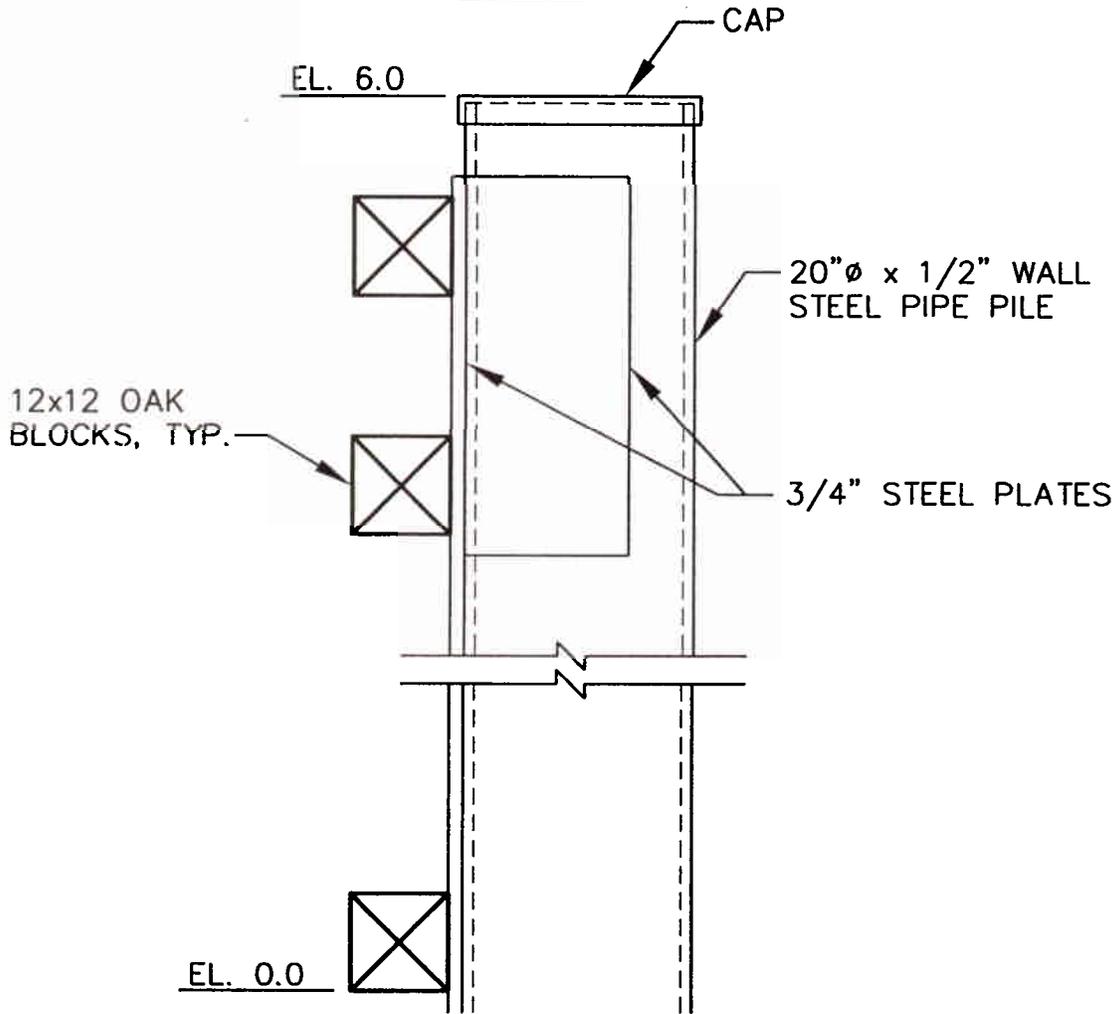
Date **03-22-06**

DELAWARE C & D RECYCLING FACILITY
WILLMINGTON, DELAWARE

SEE ABOVE
Scale



PLAN



ELEVATION

EMPTY BARGE BREASTING DOLPHIN
NOT TO SCALE



WHITNEY
BAILEY
COX
MAGNANI, LLC

CONSULTING ENGINEERS
849 FAIRMOUNT AVE.
BALTIMORE, MD 21286
410-512-4500
410-324-4100 (FAX)

BREASTING DOLPHIN DETAIL

DELAWARE C & D RECYCLING
FACILITY
WILMINGTON, DELAWARE

03-22-06
Date

SEE
ABOVE
Scale