

# 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: 2006-00498-J1  
Issue Date: **OCT 12 2006**  
Expiration Date: **NOV 1 2006**

**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 Jersey Turnpike Authority  
P.O. Box 1121  
New Brunswick, NJ 08903-1121

**ACTIVITY:** Discharge fill material into waters of the United States to facilitate the redesign and reconstruction of the Interchange 12 Toll Plaza and construction of new roadway/ramps

**WATERWAY:** Rolph's Creek, Rahway River

**LOCATION:** Borough of Carteret, Middlesex County, New Jersey.

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

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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 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 one known historic property (spur of the Central Railroad of New Jersey) is near or within the permit area. USACE will coordinate with New Jersey State Historic Preservation Office to determine what if any affects the proposed project may have on this or any other historic properties prior to making a final permit decision. Presently unknown archeological, scientific, prehistorical, or historical data may be lost by work accomplished under the required permit.

Review 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. The applicant has obtained a water quality certificate from the appropriate state agency in accordance with Section 401 of the Clean Water Act.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), requires all federal agencies to consult with the NOAA Fisheries Service (NOAAFS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). A complete description of the project is given in the attached Work Description. The District Engineer has made the preliminary determination that the site-specific adverse effects are not likely to not be substantial. Further consultation with NMFS regarding EFH impacts and conservation recommendations is being conducted and will be concluded prior to the final decision.

Pursuant to Section 307 (c) of the Coastal Zone Management Act of 1972 as amended [16 U.S.C. 1456 (c)], for activities under consideration that are located within the coastal zone of a state which has a federally approved coastal zone management program, the applicant has certified in the permit application that the activity complies with, and will be conducted in a manner that is consistent with, the approved state coastal zone management program. By this public notice, we are requesting the state's concurrence with, objection to, or waiver of the applicant's certification. No permit decision will be made until one of these actions occur. For activities within the coastal zone of New Jersey the applicant's certification and accompanying information is available from the New Jersey Department of Environmental Protection, Bureau of Coastal Regulation, CN 401, 501 East State Street, Second Floor, Trenton, New Jersey 08625-0401, Telephone Number (609) 633-2289. Comments regarding the applicant's certification should be so addressed.

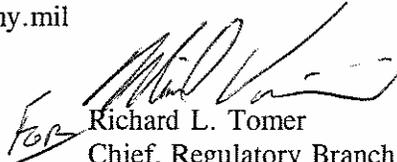
In addition to any required water quality certificate and coastal zone management program concurrence, the applicant has obtained the following governmental authorization for the activity under consideration:

New Jersey Department of Environmental Protection Individual Freshwater Wetlands Permit, Wetlands Permit, Waterfront Development Permit & Water Quality Certificate No. 1201-05-0006.1 WFD IP- In Water 050001; 1201-05-0006.1 WFD IP-Upland 050001 dated April 7, 2006.

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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) 790-8514 and ask for Sophie Ettinger.

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

  
For Richard L. Tomer  
Chief, Regulatory Branch

Enclosures

### WORK DESCRIPTION

The applicant, New Jersey Turnpike Authority (NJTA), has requested Department of the Army authorization to discharge fill material into waters of the United States to facilitate improvements proposed at the existing New Jersey Turnpike (NJT) Interchange 12 and local roadways. The applicant also proposes to perform compensatory mitigation work, which includes the enhancement and creation of wetlands within NJTA property to meet compensatory mitigation and achieve "no overall net loss" within the same watershed. The proposed project would impact wetlands located within a portion of the 100-year floodplain adjacent to Rolph's Creek which flows into the Rahway River, that flows into the Arthur Kill at the Borough of Carteret, Middlesex County, New Jersey. The mitigation sites located off-site are shown in detail on sheets 22 and 23.

The NJTA Interchange 12 Improvement Project is the final phase of the two-phased roadway improvement project funded by the NJTA. The first phase included the Interchange 12 Interim Improvement Project. The Interim Improvement Project was initiated to address the deficiencies in the current traffic circulation and to improve upon the operational problems that affect traffic on Roosevelt Avenue, Industrial Highway and the Interchange 12 Toll Plaza. The Interim Improvement Project involved the construction of a new roadway/ramps (ET & TE) connecting the existing toll plaza to Industrial Highway (see sheets 16 and 17). This interim measure served to immediately alleviate congestion from incoming and exiting traffic at Interchange 12 and was completed in January 2006.

Proposed improvements under the Final Improvements (Phase 2) would result in the discharge of fill material into 2.86 acres of freshwater emergent and scrub/shrub wetlands and 0.11 acres of intertidal and subtidal wetlands. These wetlands are dominated by common reed (Phragmites australis) and are located adjacent to an existing railroad grade in a highly developed urban environment. The primary source of hydrology is stormwater runoff and flooding events from Rolph's Creek, a tributary of the Rahway River.

Impacts to wetlands and waterways would be the direct result of fill discharged for proposed improvements, which include the expansion of the existing 7 toll lanes to 17 lanes (see sheets 15, 18 and 19) and the extension of the exit (east Side of the toll plaza and additional 250 feet towards the east to better direct traffic to Roosevelt Avenue and Industrial Highway. Traffic exiting at Roosevelt Avenue would be directed to the west via the proposed Ramps TW (see sheets 13, 19 and 20) and the east via Ramp TE1 to a new signalized intersection opposite a relocated Wedgewood Drive (see sheets 13, 19 and 20). Traffic approaching and exiting the Turnpike towards Industrial Highway would utilize the Interim Improvements Ramps ET & TE (see sheet 16). Traffic approaching the Turnpike from Roosevelt Avenue will enter the Turnpike via the proposed Ramp ET1 from the east, and from Ramp WT from the west (see sheets 13, 19 and 20).

In order to compensate for the loss of 2.86 acres of freshwater emergent and scrub/shrub wetlands and 0.11 acres of intertidal and subtidal wetlands, the applicant proposes to enhance

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and create wetlands within NJTA property areas "Port Reading Avenue-North of Service Area 10S" and "Woodbridge Avenue" (see sheets 22 and 23). The Concept Mitigation Design consists of the joint mitigation of both areas, that would involve the approximate enhancement of 7.91 acres and creation of 1.6 acres of wetlands within areas 9 and 10 as shown on sheets 22 and 23.

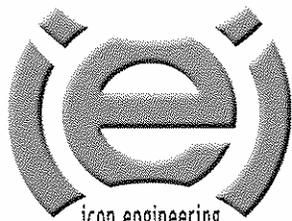
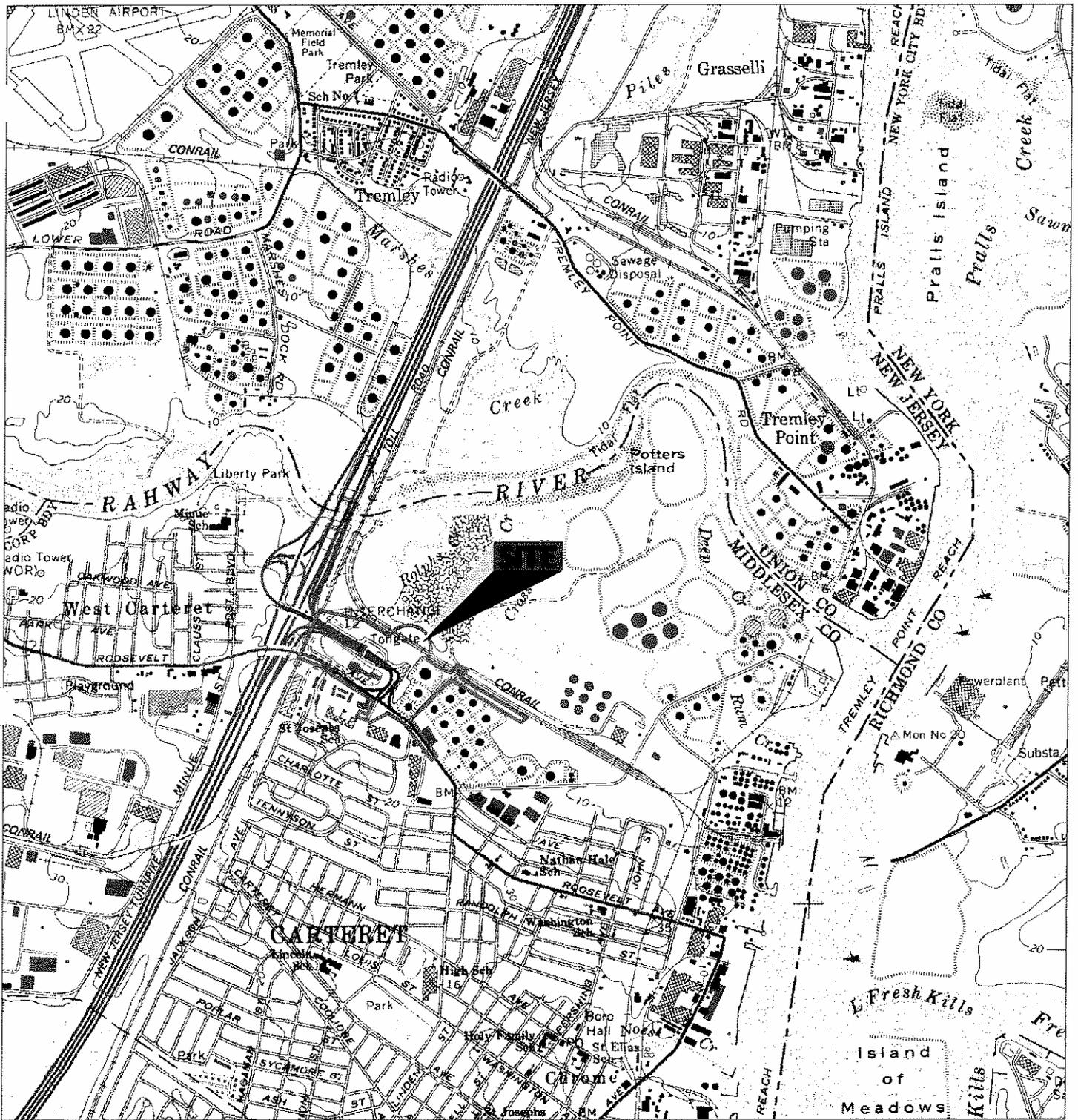
"Port-Reading Avenue" potential enhancement/creation area is located within the NJ Turnpike Right-of-Way, to the North of Service area 10S in Woodbridge Township, Middlesex County, New Jersey (see sheet 22). This property is currently owned by the NJ Turnpike Authority and has a total extent of 5.99 acres of land that includes both degraded wetlands and uplands. This area covers approximately 1.98 acres scrub/shrub/emergent wetlands and approximately 1.6 acres of uplands proposed for creation of wetlands. The existing wetlands system is dominated by Phragmites australis and Ailanthus altissima. An un-named tributary of Woodbridge Creek flows through the middle of the area, providing tidal influence.

"Woodbridge Avenue" potential enhancement area south of Service Area 10S is located within the NJ Turnpike Right-of-Way, to the North of Woodbridge Avenue in Woodbridge Township, Middlesex County, New Jersey (see sheet 23). This site is located west of the New Jersey Turnpike and Woodbridge Creek, and is bordered on the south by Woodbridge Avenue. This area covers approximately 6.77 acres comprised of approximately 6.42 acres scrub/shrub/emergent wetlands. The existing wetlands system is dominated by Phragmites australis, with open meadow vegetation bordering it along the utility gas line easement, and some small patches of Spartina patens, and Baccheris halimifolia.

Per New Jersey Department of Environmental Protection Individual Freshwater Wetlands Permit, Waterfront Development Permit & Water Quality Certificate No. 1201-05-0006.1 WFD IP- In Water 050001; 1201-05-0006.1 WFD IP-Upland 050001 dated April 7, 2006, the U.S. Army Corps of Engineers proposes the inclusion of a Special Condition in any issued Department of the Army authorization prohibiting any grading or construction activities within the banks of any stream on site between April 1 and May 31 of any year for which authorization may be issued to protect anadromous fish during migration and spawning within the downstream watercourses.

Associated upland improvements, not within Department of Army jurisdiction, would also include upgrades to the drainage/stormwater management system of the site. Three detention basins will be installed to filter 80% Total Suspended Solids (TSS) particles from stormwater prior to discharging to the tidally influenced Rolph's Creek. The basins would be located north and southeast of the toll plaza. The widening of Roosevelt Avenue would include a stormwater collection system that drains westward.

The stated purpose of this project is to address the deficiencies in the current traffic circulation and to improve upon the operational problems that affect traffic on Roosevelt Avenue/Industrial Highway, as well as traffic using the interchange.



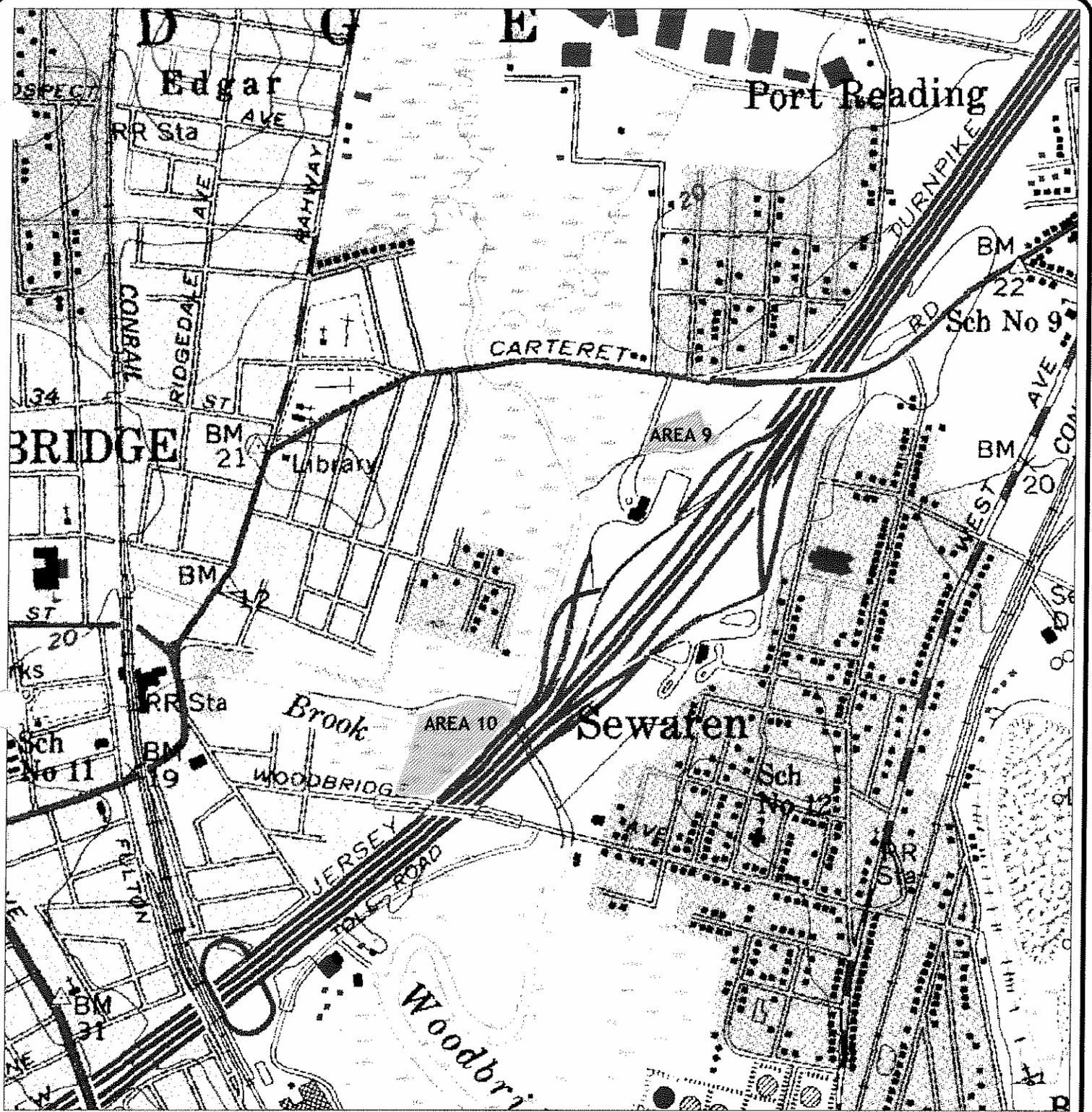
icon engineering  
The Environmental and Geotechnical Division of  
C.M.E. ASSOCIATES

### Site Location Map

Block: 11.01, Lots: 41, 42, 58; Block: 11.02, Lots: 56.01, 56.02; Block 11.03, Lots: 32, 56, 59, 61; Block: 113, Lots: 1.04, 1.05, 1.06, 8.01, 9.01, 10.01, 20.01, 32.01, 56.01, 57; Block: 374, Lots: 34, 35, 36; Block 375, Lots: 25, 25.01, 26, 27; Block: 9.02, Lots: 15.07, 22.01, 24.01  
Harrison Avenue, Wedgewood Avenue  
Block: 96, Lot: 1.01  
Block: 900, Carteret Industrial Road, Driftway Road  
NJ Turnpike Authority Toll Plaza Right of Way  
New Jersey Turnpike Authority-Interchange 12  
MUNICIPALITY: Borough of Carteret  
COUNTY: Middlesex County  
FILE NO.: PTA00616.09

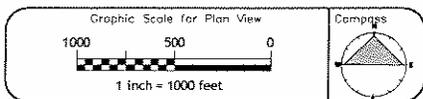
1/23

FIGURE 1



**Icon Engineering**  
 Environmental & Geotechnical  
 Division of C.M.E. Associates

3759 U.S. Hwy 1 South - Suite 100, Monmouth Junction, NJ 08852  
 Phone: (732)951-2101 Fax: (732)951-2106

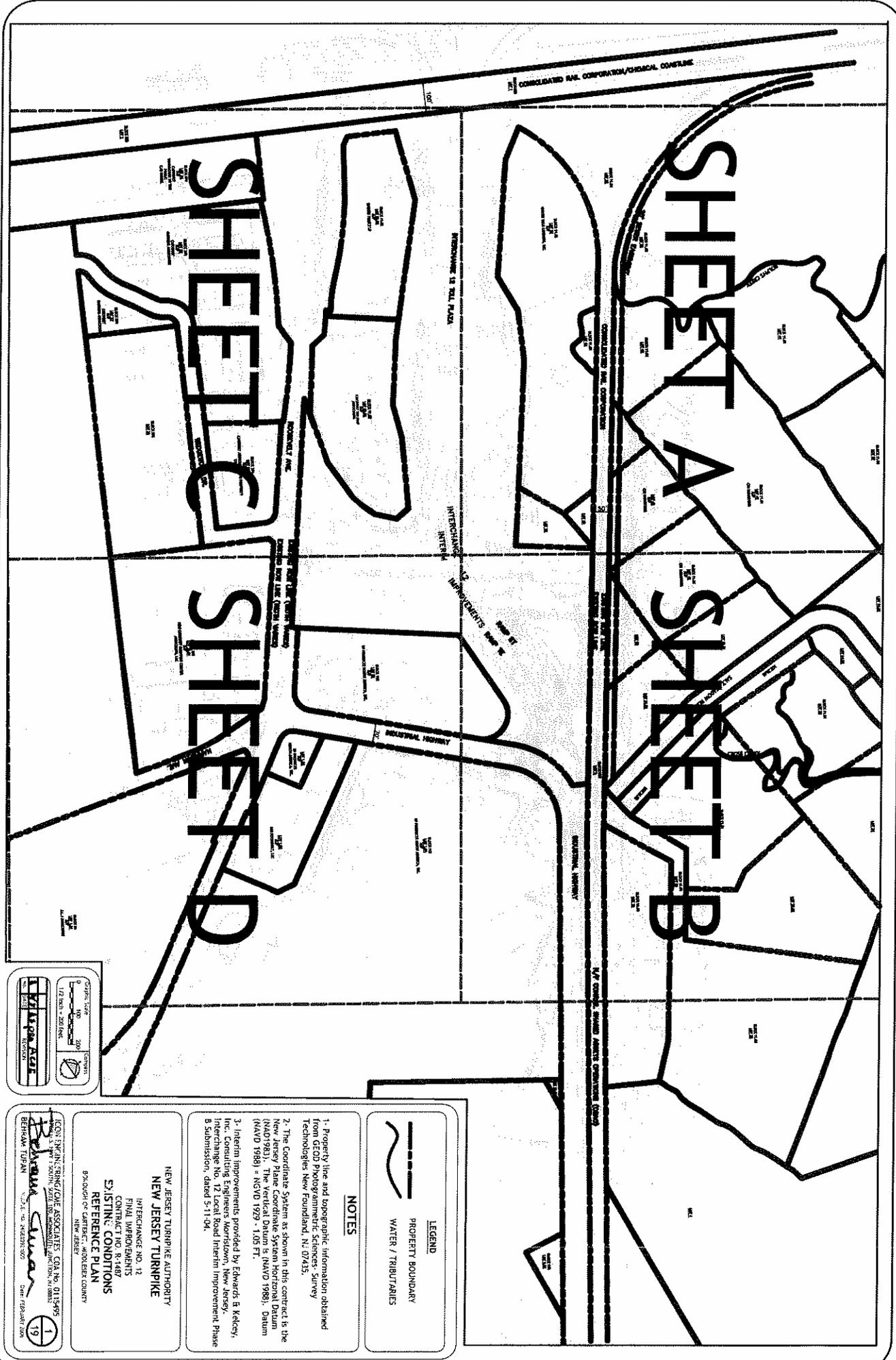


**USGS Site Location Map Areas 9 & 10**  
 Potential Mitigation Alternatives  
 Perth Amboy Quadrangle New Jersey - New York  
 7.5 Minute Series

Area 9: NJ Turnpike Right of Way (North of Service Area 10 S)  
 Area 10: NJ Turnpike Right of Way (North of Woodbridge Avenue);  
 and Block 563, Lots 2 and 3

2/23

FIGURE 1a



**LEGEND**

— — — — — PROPERTY BOUNDARY

~ ~ ~ ~ ~ WATER / TRIBUTARIES

**NOTES**

1- Property line and topographic information obtained from GEOID Photogrammetric Sciences Survey Technologies New Foundland, NJ 07435.

2- The Coordinate System as shown in this contract is the New Jersey Plane Coordinate System (NAD1983). The Vertical Datum is (NAVD 1988). Datum (NAVD 1988) \* NGVD 1929 - 1.05 FT.

3- Interim Improvements provided by Edwards & Kelcey, Inc. Consulting Engineers Morristown, New Jersey, Interchange No. 12 Local Road Interim Improvement Phase B Submission, dated 5-11-04.

**NEW JERSEY TURNPIKE AUTHORITY**  
**NEW JERSEY TURNPIKE**  
 INTERCHANGE NO. 12  
 FINAL IMPROVEMENTS  
 CONTRACT NO. R-1487  
**EXISTING CONDITIONS**  
**REFERENCE PLAN**  
 BRADDOCK OF CARBIDE, MONROE COUNTY  
 NEW JERSEY

Graphic Scale: 1" = 100' (1:12,000)

North Arrow

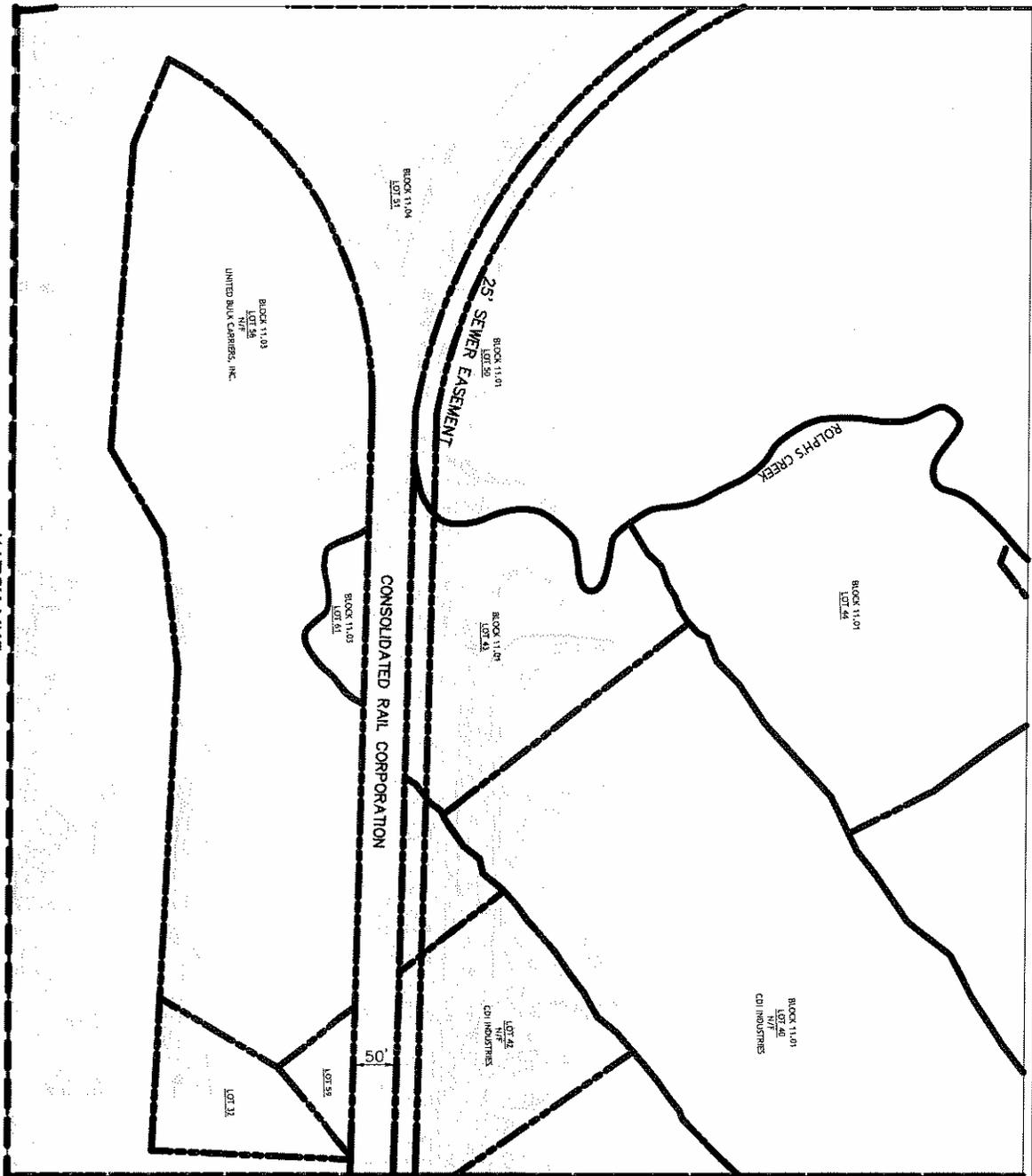
Graphic Scale: 1" = 200' (1:24,000)

North Arrow

ICM ENGINEERING ASSOCIATES, INC. REG. NO. 0115495  
 100 S. NEW SOUTH AVENUE, SUITE 200  
 BRIDGEWATER, NJ 08807  
 BRIDGEWATER, NJ  
 908.666.1100 FAX 908.666.1101  
 DATE: FEBRUARY 2005

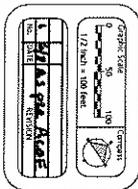
**Edwards & Kelcey**  
 BRIDGEWATER, NJ  
 908.666.1100 FAX 908.666.1101  
 DATE: FEBRUARY 2005

2/1/03



MATCH LINE  
SHEET -C-

MATCH LINE  
SHEET -B-



**LEGEND**

PROPERTY BOUNDARY

WATER / TRIBUTARIES

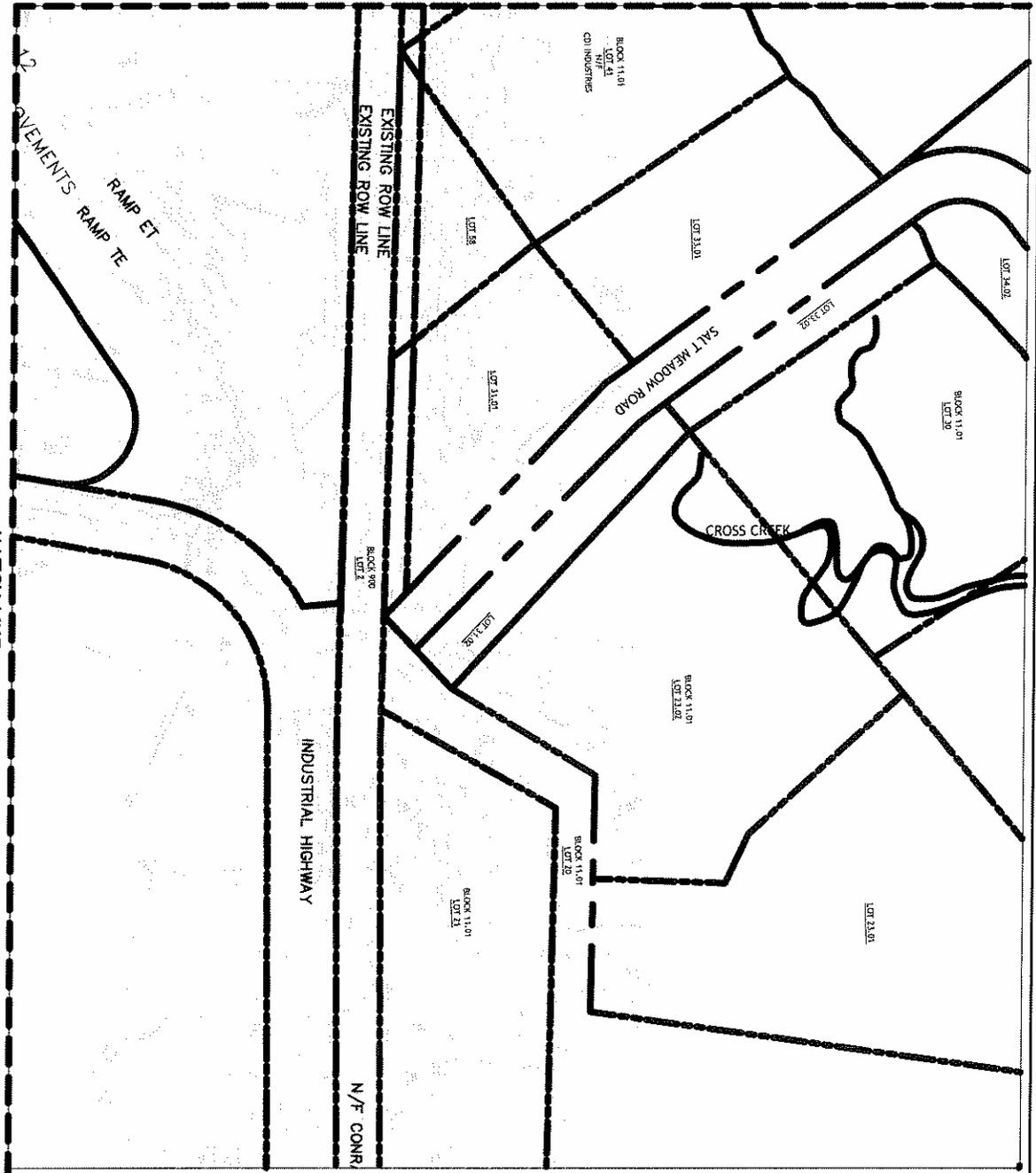
- NOTES**
- 1- Property line and topographic information obtained from GEOID Photogrammetric Sciences, Survey Technologies New Brunswick, NJ 07433.
  - 2- The Coordinate System as shown in this contract is the New Jersey Plane Coordinate System Horizontal Datum (NAVD 1983). The Vertical Datum is (NAVD 1988). Datum (NAVD 1988) = NGVD 1929 - 1.05 FT.
  - 3- Interim improvements provided by Edwards & Kecey, Inc. Consulting Engineers Morristown, New Jersey, Interchange No. 12 Local Road Interim Improvement Phase B Submission, dated 5-11-04.

NEW JERSEY TURNPIKE AUTHORITY  
 NEW JERSEY TURNPIKE  
 INTERCHANGE NO. 12  
 FINAL IMPROVEMENTS  
 CONTRACT NO. R-1487  
 EXISTING CONDITIONS  
 SHEET A  
 BOROUGH OF ARTHUR, MONMOUTH COUNTY  
 NEW JERSEY

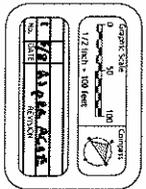
ICON ENGINEERING/CAE ASSOCIATES, CO., INC. 0115405  
 1799 U.S. HWY 7 SOUTH, SUITE 100, BORDENTOWN, NJ 08805  
 BRUNNEN 1930N  
 1/2" = 100' SCALE  
 DATE: 10/20/04

4/23

SHEET -A-



MATCH LINE SHEET -D-



**LEGEND**

PROPERTY BOUNDARY

WATER / TRIBUTARIES

**NOTES**

- 1- Property line and topographic information obtained from EOD Photogrammetric Sciences Survey Technologies (New Brunswick, NJ 07943).
- 2- The Coordinate System as shown in this contract is the New Jersey Plane Coordinate System Horizontal Datum (NAD 1983). The Vertical Datum is (NAVD 1988). Datum (NAVD 1988) = NGVD 1929 + 1.05 FT.
- 3- Interim improvements provided by Edwards & Kelley, Inc. Consulting Engineers (Morristown, New Jersey, Interchange No. 12 Local Road Interim Improvement Phase B Submission, dated 5-11-04).

NEW JERSEY TURNPIKE AUTHORITY  
 NEW JERSEY TURNPIKE  
 INTERCHANGE NO. 12  
 FINAL IMPROVEMENTS  
 CONTRACT NO. 13-1487  
 EXISTING CONDITIONS  
 SHEET B  
 DIVISION OF LANDSET, MIDDLESEX COUNTY  
 NEW JERSEY

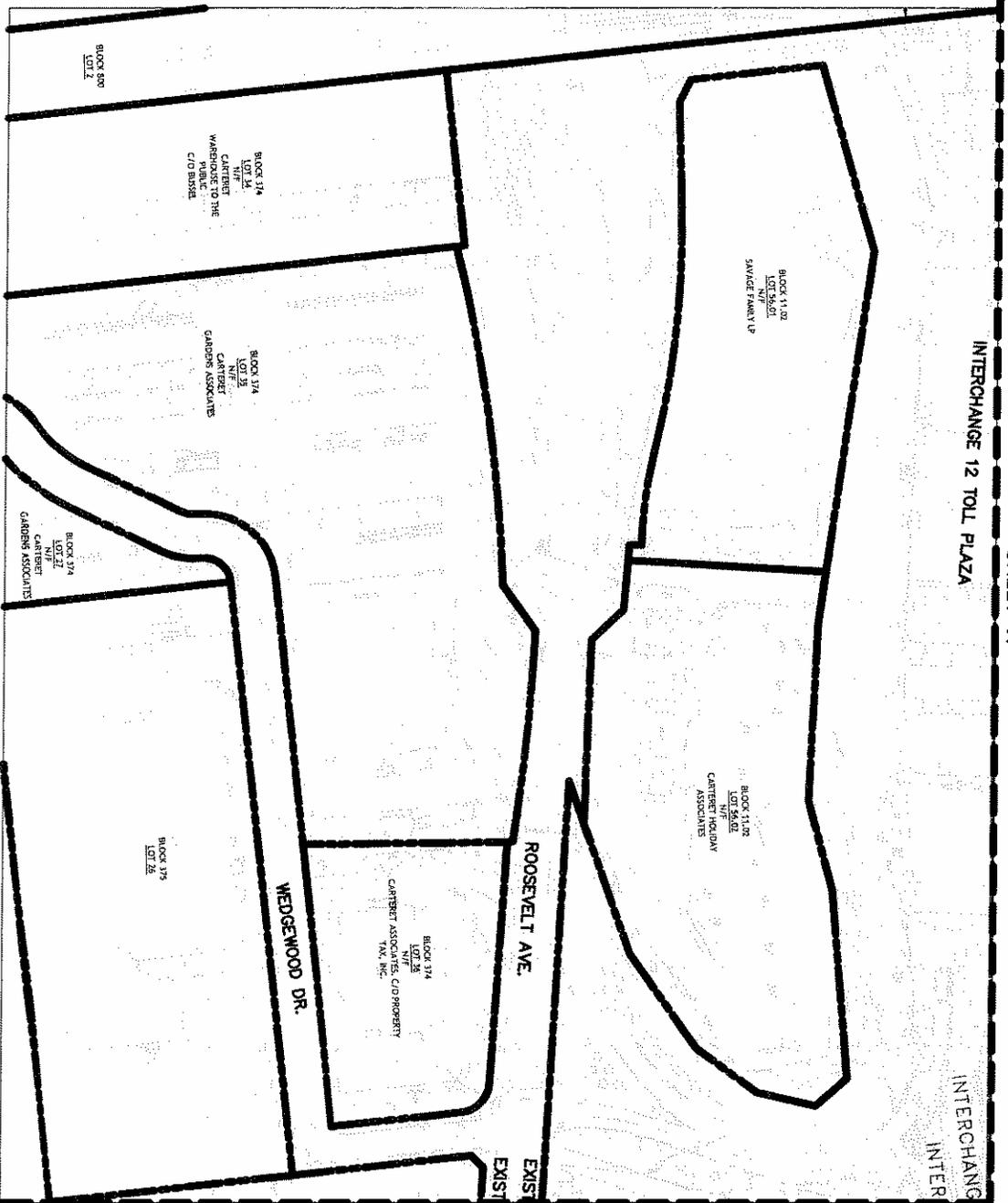
CON ENGINEERS/CAE ASSOCIATES, INC. NO. 0119495  
 1220 S.W. 17th Street, Suite 100, Fort Lauderdale, FL 33324  
 BRITANNI TROSKA  
 11.17.21 No. 24002271000  
 Date: FEBRUARY 2026

5/12/23

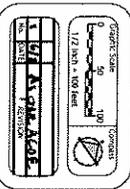
MATCH LINE  
SHEET -A-

INTERCHANGE 12 TOLL PLAZA

INTERCHANG  
INTER



MATCH LINE  
SHEET -D-



NOTES

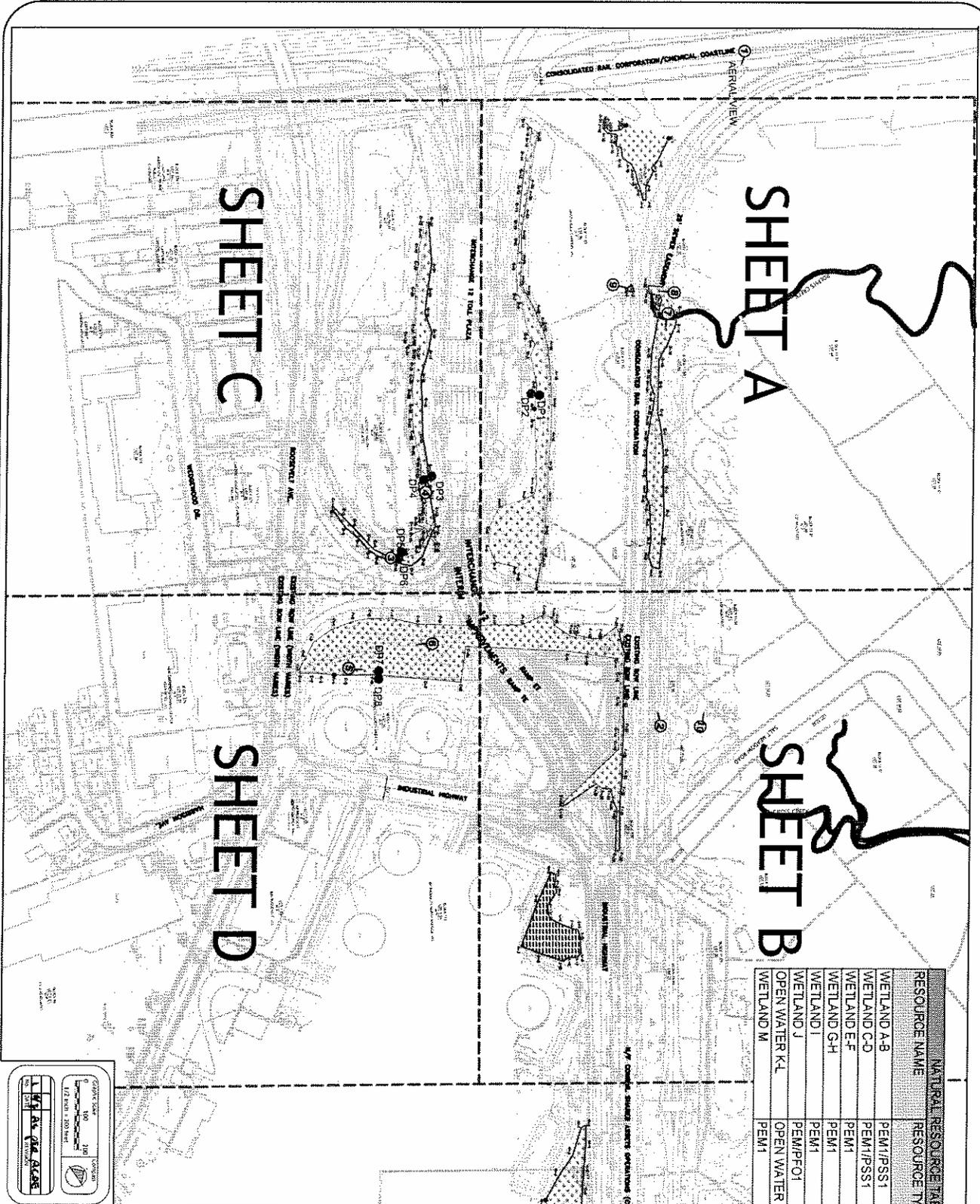
- 1- Property line and topographic information obtained from GEOID Photogrammetric Sciences Survey Technology New Brunswick, NJ 07435.
- 2- The Coordinate System as shown in this contract is the New Jersey Plane Coordinate System Horizontal Datum (NAAD1983). The Vertical Datum is (NAVD 1988). Datum (NAVD 1988) = NGVD 1929 - 1.05 FT.
- 3- Interim Improvements provided by Edwards & Kelley, Inc., Consulting Engineers Morrisstown, New Jersey, Interchange No. 12 Local Road Interim Improvement, Phase B Submission, dated 5-11-04.

NEW JERSEY TURNPIKE AUTHORITY  
NEW JERSEY TURNPIKE  
INTERCHANGE NO. 12  
FINAL IMPROVEMENTS  
CONTRACT NO. R-1487  
EXISTING CONDITIONS  
SHEET C

BOROUGH OF CARBET, WINDSOR COUNTY  
NEW JERSEY  
CON ENGINEERING & ASSOCIATES, P.C. INC. NO. 0115905  
15905 ROUTE 1 SOUTH, SUITE 100, MORRISTOWN, NJ 07960  
BRIAN T. TORON  
DATE: 08/25/2008  
04

6/23





**NATURAL RESOURCE TABLE (WATERS OF THE U.S.)**

RESOURCE NAME	RESOURCE TYPE	APPROXIMATE SIZE OF RESOURCE
		SF      ACRES
WETLAND A-B	PEM1/PSS1	56023 3940      1.2829
WETLAND C-D	PEM1/PSS1	27630 6272      0.6327
WETLAND E-F	PEM1	104485 2835      2.3927
WETLAND G-H	PEM1	27212 2158      0.6232
WETLAND I	PEM1	226 1147      0.0052
WETLAND J	PEM1/FC1	14406 2236      0.3289
OPEN WATER K-L	OPEN WATER	17903 9408      0.4100
WETLAND M	PEM1	104625 9200      2.4064

**LEGEND**

- PROPERTY BOUNDARY
- WATER / TRIBUTARIES
- WETLAND BOUNDARY LINE
- WETLAND AREA (WATERS OF THE U.S.)
- OPEN WATER (WATERS OF THE U.S.)
- PHOTOGRAPH LOCATION
- DATA POINT LOCATION

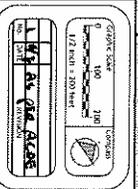
- NOTES**
1. Wetland Delineation & Surveyed (Lines A through M) by Iron Engineering/CME Associates, Inc. dated 10/8/2004 and 12/13/2004. Only areas within the project limits and areas within proximity of the limits of disturbance have been delineated (i.e. Wetlands G, H, J, and M).
  2. Property line and topographic information obtained from GDOT Photogrammetric Sciences Survey Technology New Brunswick, NJ 07433.
  3. The Coordinate System as shown in this contract is the New Jersey Plane Coordinate System Horizontal Datum (NAD 1983). The Vertical Datum is NAVD 1988). Datum (NAVD 1988) - NGVD 1929 - 1.05 FT.
  4. Interim Improvements provided by Edward & Kelcey, Inc. Consulting Engineers Morristown, New Jersey, Interchange No. 12 Local Road Interim Improvement Phase B Submission, dated 3-11-04.

**NEW JERSEY TURNPIKE AUTHORITY**  
**NEW JERSEY TURNPIKE**  
 INTERCHANGE NO. 12  
 CENTRAL INTERCHANGES  
 CONTRACT NO. A-1149  
**WETLAND DELINEATION AND  
 PHOTOGRAPH LOCATIONS  
 REFERENCE PLAN**

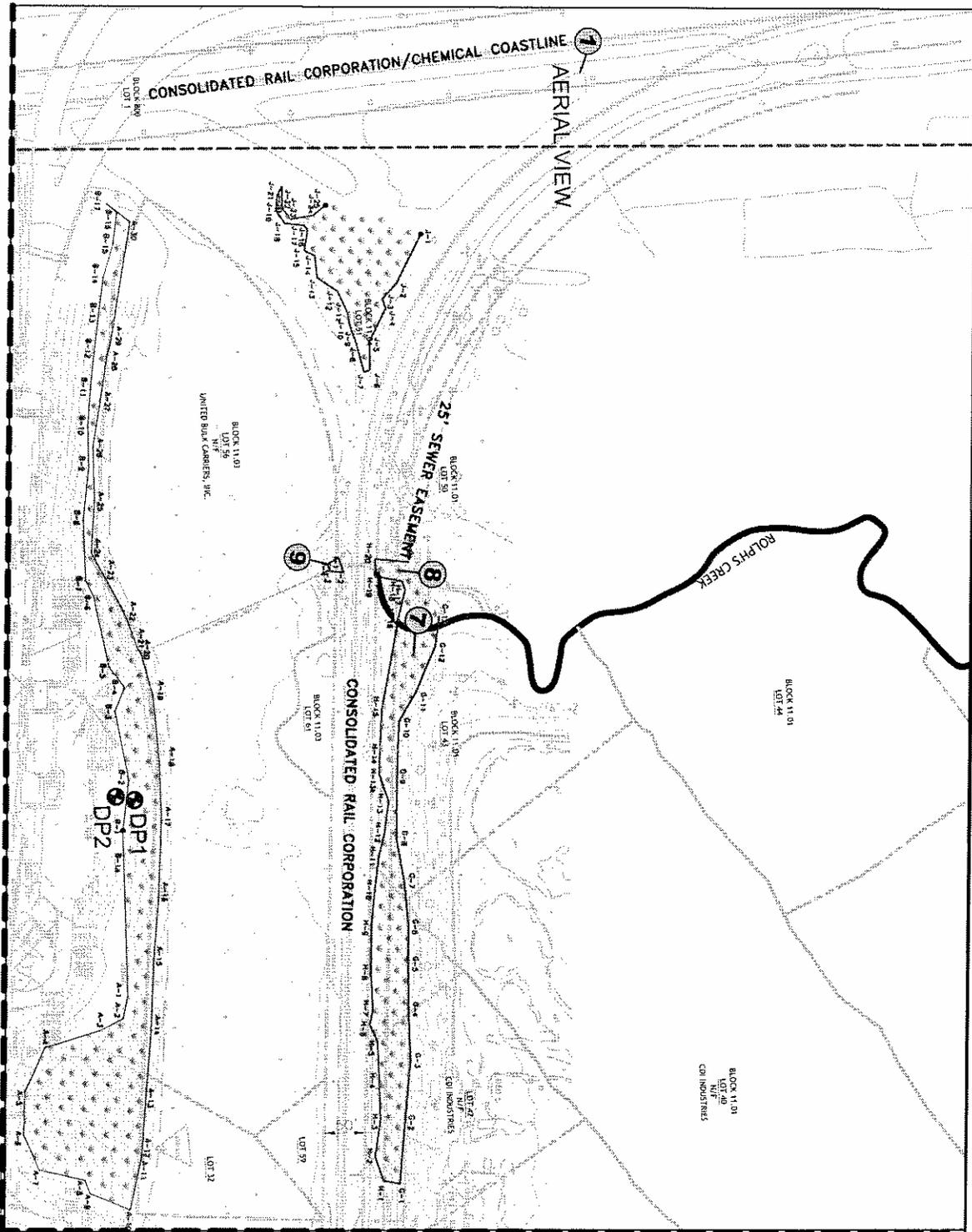
BUREAU OF CONTRACT ADMINISTRATION, COUNTY OF NEW JERSEY

**ICGN ENGINEERING/CMC ASSOCIATES** CO. NO. 0115495  
 300 NEW 150TH STREET, SUITE 200 MORRISTOWN, NJ 07962  
**Edward & Kelcey**  
 CONSULTING ENGINEERS  
 1000 MORRISTOWN AVENUE  
 MORRISTOWN, NJ 07962

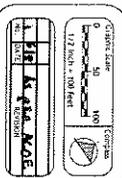
SHEET NO. 19 OF 19



MATCH LINE  
SHEET -C-



MATCH LINE  
SHEET -B-



**LEGEND**

- PROPERTY BOUNDARY
- WATER / TRIBUTARIES
- WETLAND BOUNDARY LINE
- WETLAND AREA
- OPEN WATER (WATERS OF THE U.S.)
- PHOTOGRAPH LOCATION
- DATA POINT LOCATION

**NOTES**

- 1- Wetlands Delineated & Surveyed (Lines A through M) by 10/8/2004 and 12/13/2004. Only areas within the project limits and areas within the limits of disturbance have been delineated (i.e. Wetlands C-H, J and M).
- 2- Property line and topographic information obtained from GEOD Photogrammetric Sciences Survey Technologies New Foundland, NJ 07435.
- 3- The Coordinate System as shown in this contract is the New Jersey Plane Coordinate System (NAD 1983). The Vertical Datum is (NAVD 1989). Datum (NAVD 1989) = NGVD 1929 - 1.05 FT.
- 4- Interim Improvements provided by Edwards & Kelcey, Inc. Consulting Engineers Morristown, New Jersey, Interchange No. 12 Local Road Interim Improvement Phase B Submission, dated 5-11-04.

**NEW JERSEY TURNPIKE AUTHORITY**  
**NEW JERSEY TURNPIKE**  
 INTERCHANGE NO. 12  
 FINAL IMPROVEMENTS  
 CONTRACT NO. E-1482  
 WETLAND DELINEATION AND  
 PHOTOGRAPH LOCATIONS  
 SHEET A

SUBURBAN OF CARBET, WOODRICK COUNTY  
 NEW JERSEY

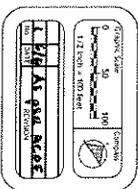
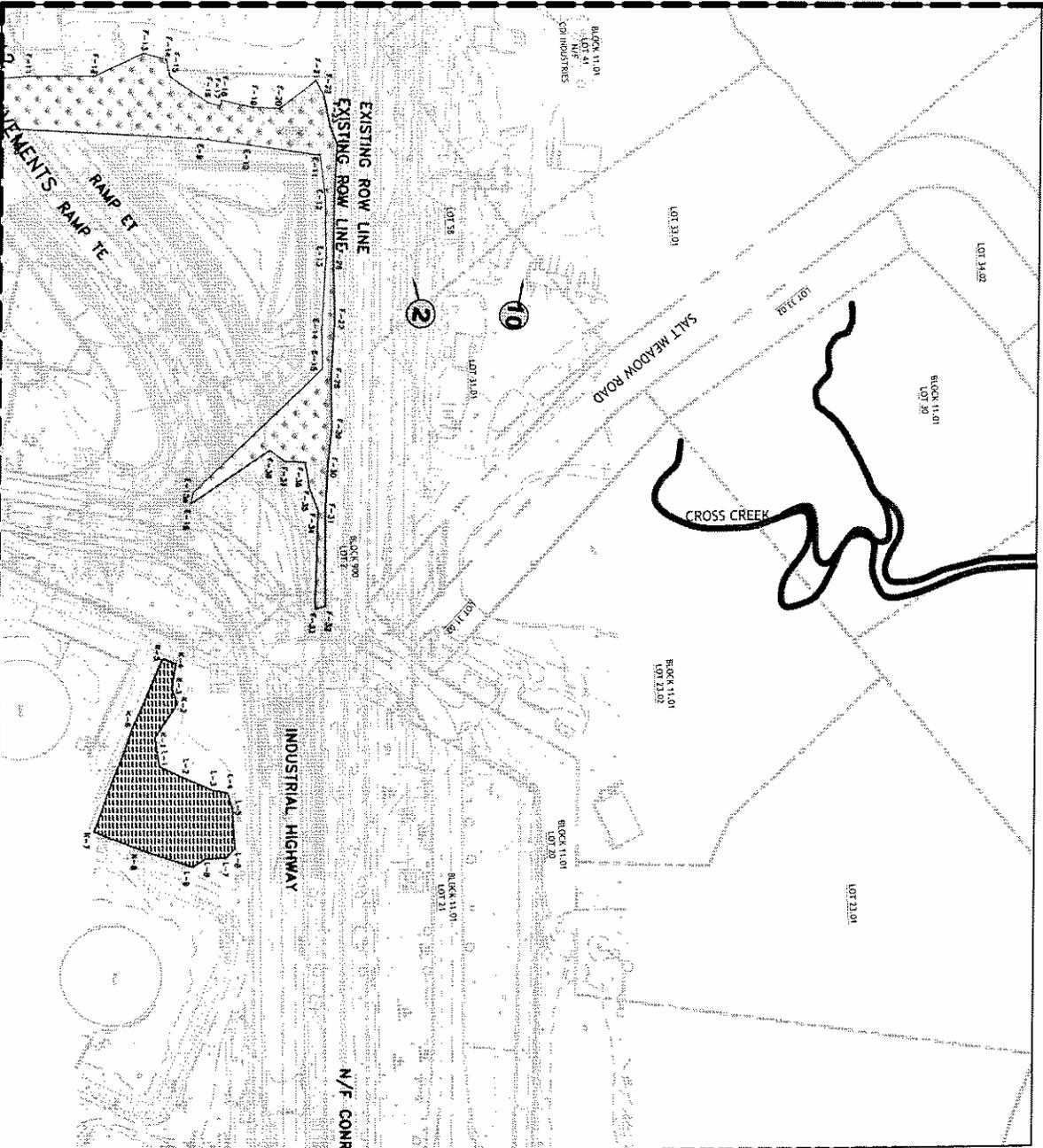
ICM ENGINEERING/COE ASSOCIATES, CORP. NO. 011945  
 1500 S. 10TH STREET, SUITE 200, WASHINGTON, NJ 08839  
 BELLEVILLE, NJ 08007  
 TEL: 908-469-9700 FAX: 908-469-9701  
 WWW: WWW.ICMENGINEERING.COM

**Belleville**  
**Coe**

DATE: 02/04/05

19

9/23



**LEGEND**

- PROPERTY BOUNDARY
- WATER / TRIBUTARIES
- WETLAND BOUNDARY LINE
- WETLAND AREA (VALUES OF THE US3)
- OPEN WATER (VALUES OF THE US3)
- PHOTOGRAPH LOCATION
- DATA POINT LOCATION

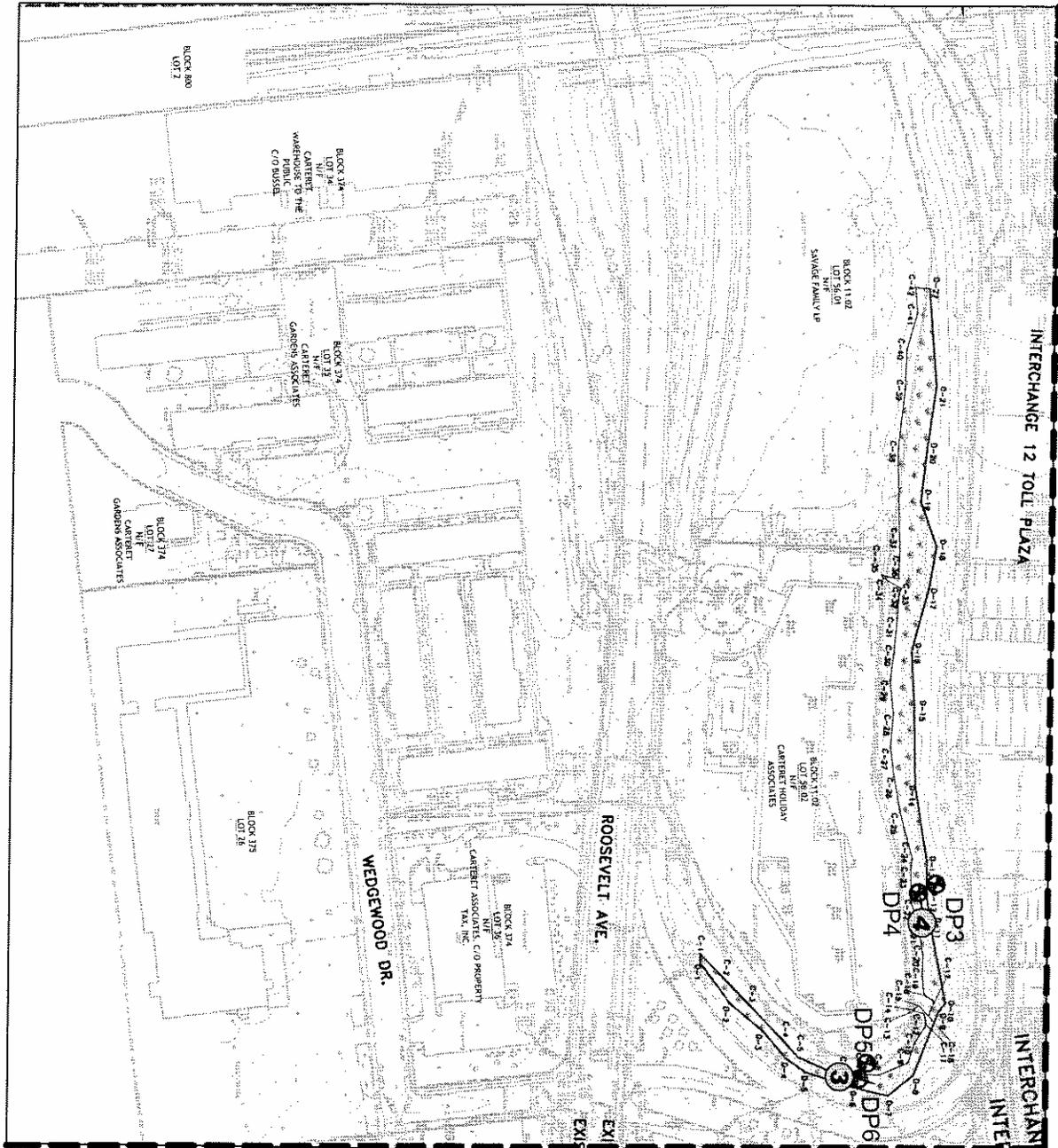
- NOTES**
1. Wetlands delineated & surveyed (Lines A through M) by Icon Engineering/CME Associates, Inc. on 10/8/2004, and 12/13/2004. Only areas within the project limits and areas within proximity of the limits of disturbance have been delineated (i.e. Wetlands C-H, J and M).
  2. Property line and topographic information obtained from GSDU Photogrammetric Survey.
  3. The Coordinate System as shown in this contract is the New Jersey Plane Coordinate System Horizontal Datum (NAAD 1983). The Vertical Datum is (NAVD 1988). Datum (NAVD 1988) = MGD 1929 = 1.05 FT.
  4. Interim improvements provided by Edwards & Kelcey, Inc. Consulting Engineers Morristown, New Jersey, Interchange No. 12 Local Road Interim Improvement Phase B Submission, dated 5-11-04.

**NEW JERSEY TURNPIKE AUTHORITY**  
**NEW JERSEY TURNPIKE**  
 INTERCHANGE NO. 12  
 CONTRACT NO. 6-00013  
 WETLAND DELINEATION AND  
 PHOTOGRAPH LOCATIONS  
 SHEET B  
 ABBOTTSBURG, CALVERT, WASHINGTON COUNTY  
 NEW JERSEY

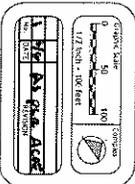
ICON ENGINEERING/CME ASSOCIATES, INC. NO. 0134509  
 3759 W. HWY. 300, SUITE 200, MORRISTOWN, NJ 07952  
  
 908.526.0000 FAX 908.526.0001  
 19

10/23

MATCH LINE  
SHEET -A-



MATCH LINE  
SHEET -D-



**LEGEND**

- PROPERTY BOUNDARY
- WATER / TRIBUTARIES
- WETLAND BOUNDARY LINE
- WETLAND AREA (VALUES OF THE U.S.)
- DEPT. WATER (VALUES OF THE U.S.)
- PHOTOGRAPHY LOCATION
- DATA POINT LOCATION

- NOTES**
- 1- Wetland Delineated & Surveyed (Lines A through M) by Interim Engineering/CAE Associates on 10/17/2004. The coordinates are based on NAD 83 datum. Only areas within the project limit and 113' 280ft. Only areas within the disturbance have been delineated (i.e. Wetland CH1, and M).
  - 2- Property line and topographic information obtained from GEOD Photogrammetric Sciences - Survey Technologies New Foundland, NJ 07435.
  - 3- The Coordinate System as shown in this contract is the New Jersey Plane Coordinate System (NAD83 Datum (NAD1983), The Vertical Datum (NAVD 1988), Datum (NAVD 1988) = NGVD 1929 = 1.05 FT.
  - 4- Interim improvements provided by Edwards & Kelcey, Inc. Consulting Engineers Morristown, New Jersey, Interchange No. 12 Local Road Interim Improvement Phase B Submission, dated 5-11-04.

NEW JERSEY TURNPIKE AUTHORITY  
NEW JERSEY TURNPIKE  
INTERCHANGE NO. 12  
FINAL IMPROVEMENTS  
CONTRACT NO. R1487

WETLAND DELINEATION AND  
PHOTOGRAPHY LOCATIONS  
SHEET C

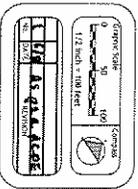
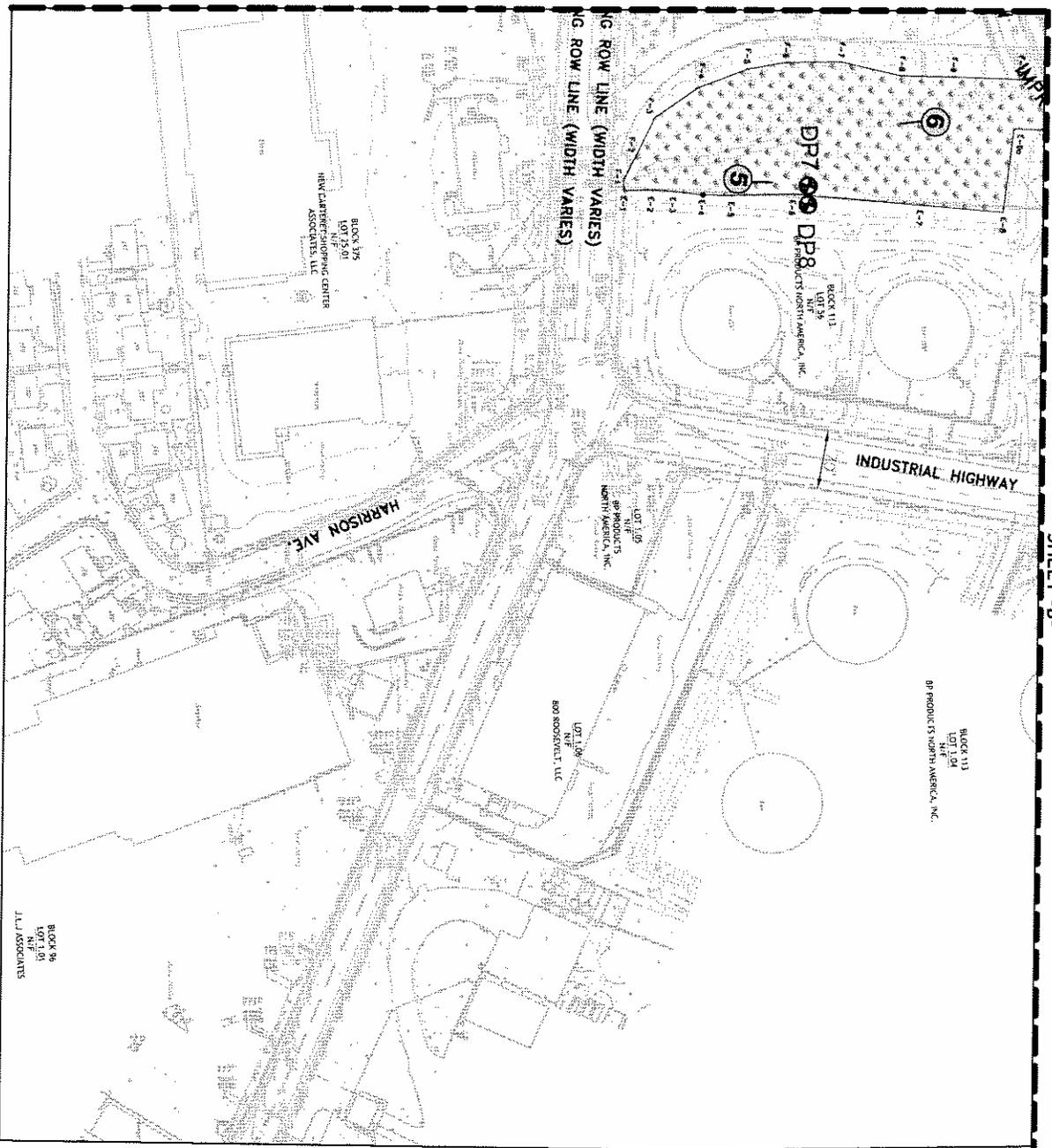
BOROUGH OF CARTERET, MONMOUTH COUNTY  
NEW JERSEY

ICM ENGINEERING/CAE ASSOCIATES, CIA, NO. 0115495  
372 9th Ave 15th Floor, Suite 200, Hoboken, NJ 07030  
Tel: 201-941-8000 Fax: 201-941-8001  
www.icma.com

DATE: FEBRUARY 2005

19

11/23



**LEGEND**

- PROPERTY BOUNDARY
- WATER / TRIBUTARIES
- WETLAND BOUNDARY LINE
- WETLAND AREA CHANGES OF THE U.S.
- DPN WATER CHANGES OF THE U.S.
- PHOTOGRAPH LOCATION
- DATA POINT LOCATION

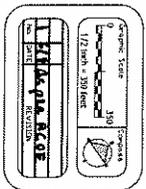
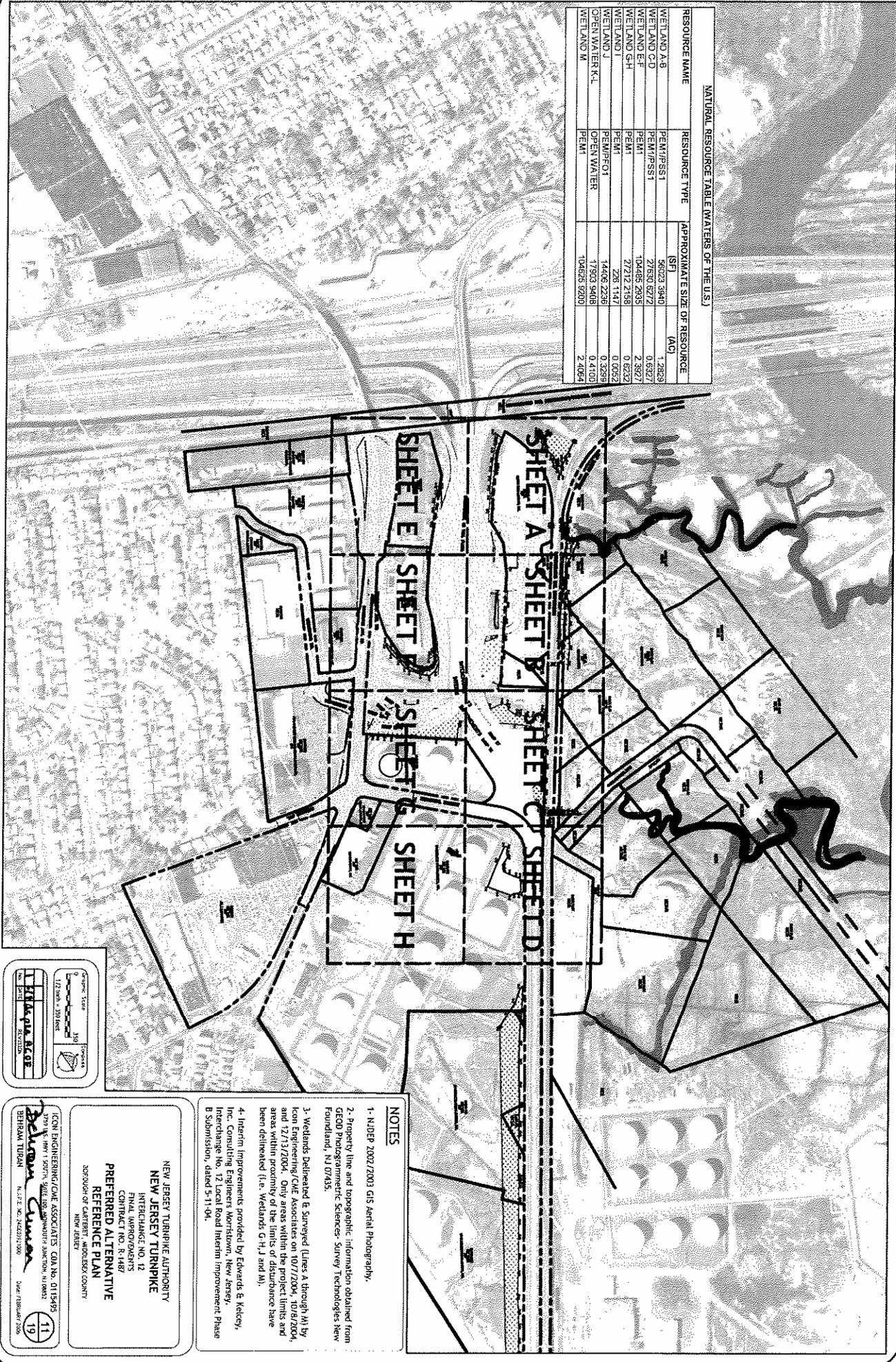
- NOTES**
- 1- Wetlands Delineated & Surveyed (Lines A through M) by J.O.B. Property CME Associates on 10/17/2004, 10/18/2004, 11/11/2004. Only areas within the project limits and 400' from the project limits of disturbance have been delineated (i.e., Wetlands of NJ and M).
  - 2- Property line and topographic information obtained from GEOD Photogrammetric Sciences Survey Technologies New Foundland, NJ 07435.
  - 3- The Coordinate System as shown in this contract is the New Jersey Plane Central Meridian Datum (NAD 1983). The Vertical Datum (NAVD 1986), Datum (NAVD 1986) = NGVD 1929 - 1.05 FT.
  - 4- Interim improvements provided by Edwards & Kelcey, Inc. Consulting Engineers Morristown, New Jersey, Interchange No. 12 Local Road Interim Improvement Phase B Submission, dated 5-11-04.

NEW JERSEY TURNPIKE AUTHORITY  
 NEW JERSEY TURNPIKE  
 INTERCHANGE NO. 12  
 FINAL IMPROVEMENTS  
 CONTRACT NO. R 1467  
 WETLAND DELINEATION AND  
 PHOTOGRAPH LOCATIONS  
 SHEET D

BERKMAN TURBO  
 10  
 19

12/23

NATURAL RESOURCE TABLE (WATERS OF THE U.S.)		
RESOURCE NAME	RESOURCE TYPE	APPROXIMATE SIZE OF RESOURCE
		(SF) (AC)
WETLAND A-B	PEM1/PSS1	56023 3940 1.2839
WETLAND C-D	PEM1/PSS1	27650 6272 0.6327
WETLAND E-F	PEM1	104486 2835 2.3827
WETLAND G-H	PEM1	27212 2198 0.6232
WETLAND I	PEM1	226 1147 0.0052
WETLAND J	PEM1/FO1	14466 2236 0.3326
OPEN WATER K-L	PEM1	17903 9408 0.4105
WETLAND M	PEM1	104626 9280 2.4062



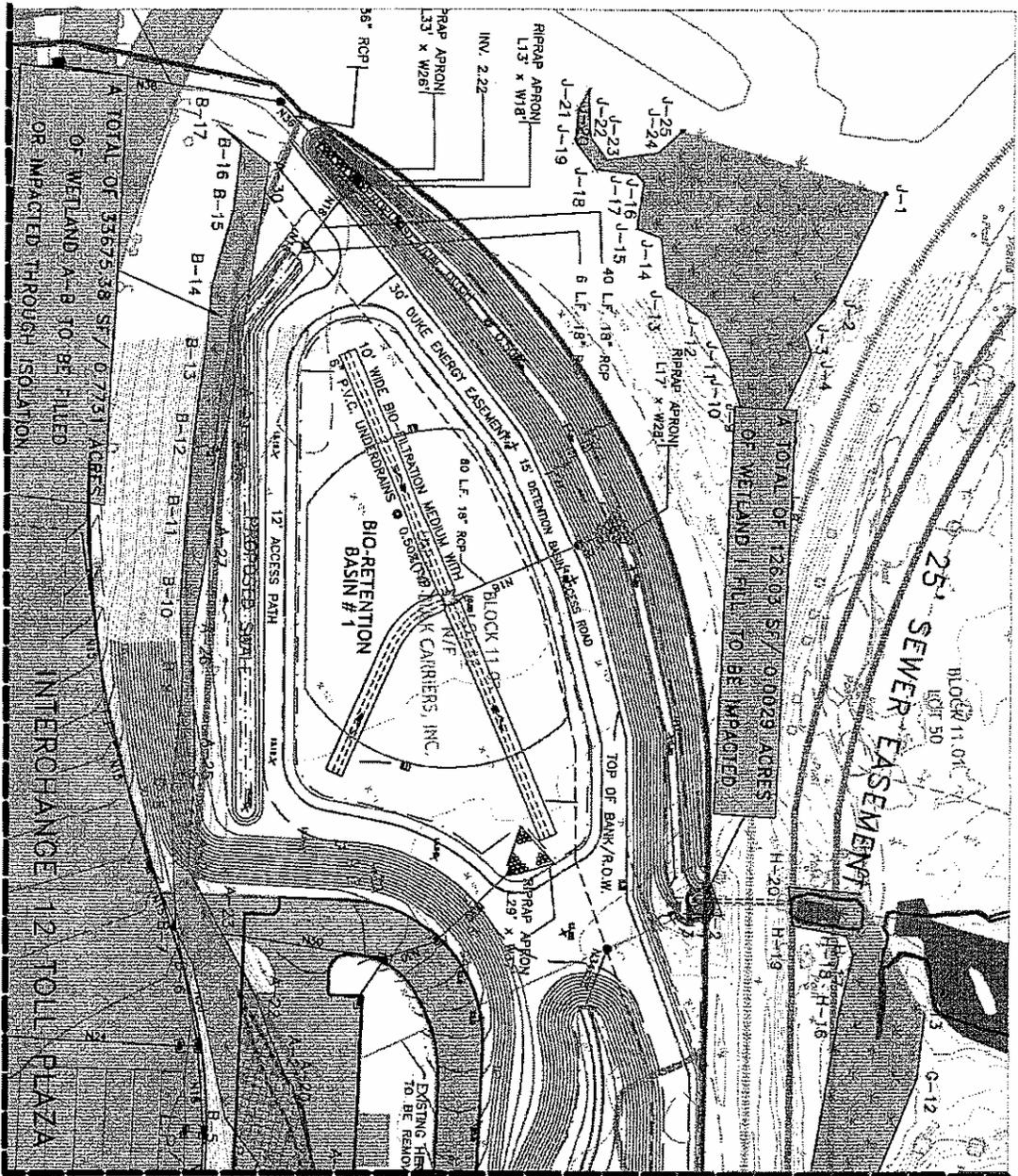
**NOTES**

- 1- HUDP 2002/2003 GIS Aerial Photography.
- 2- Property line and topographic information obtained from GEOD Photogrammetric Sciences- Survey Technologies New Brunswick, NJ 07433.
- 3- Wetlands Delineated & Surveyed (Lines A through M) by Icon Engineering/CAE Associates on 10/17/2004, 10/18/2004, and 12/13/2004. Only areas within the project limits and areas within property lines of the limits of disturbance have been delineated (i.e. Wetlands G-I, J, and M).
- 4- Interim Improvements provided by Edwards & Keely, Inc. Consulting Engineers, Morris Plains, New Jersey, Interchange No. 12 Local Road Interim Improvement Phase B Submission, dated 5-11-04.

**NEW JERSEY TURNPIKE AUTHORITY**  
**NEW JERSEY TURNPIKE**  
 INTERCHANGE NO. 12  
 FINAL IMPROVEMENTS  
 CONTRACT NO. 8-1487  
**PREFERRED ALTERNATIVE**  
**REFERENCE PLAN**  
 PORTION OF LARBERT, MONMOUTH COUNTY  
 10/1/2004

ICON ENGINEERING/CAE ASSOCIATES, CON. NO. 0115459  
 2709 HWY. 1 SOUTH, SUITE 100, MORRIS PLAINS, NJ 07952  
 BELLEVILLE TOWNSHIP, N.J. 07003  
 DATE PREPARED: 7/06

13/23



MATCH LINE  
SHEET - E.

MATCH LINE  
SHEET - B.

Copyright 2004 and 2005

**NOTES**

- 1- Property line and topographic information obtain from CSD Photogrammetric Sciences Survey Technologies New Foundland, NJ 07435.
- 2- The coordinate system as shown in this contract is the New Jersey Plane Coordinate System Horizontal Datum (NAAD1983). The Vertical Datum is (NAVD 1988). Datum (NAVD 1988) - NGVD 1929 - 1.05 FT.
- 3- Interim improvements provided by Edwards & Keller, Inc. Consulting Engineers' Association, New Jersey. Interchange No. 12 Local Road Interim Improvement Phase B Submission, dated 5-11-04.

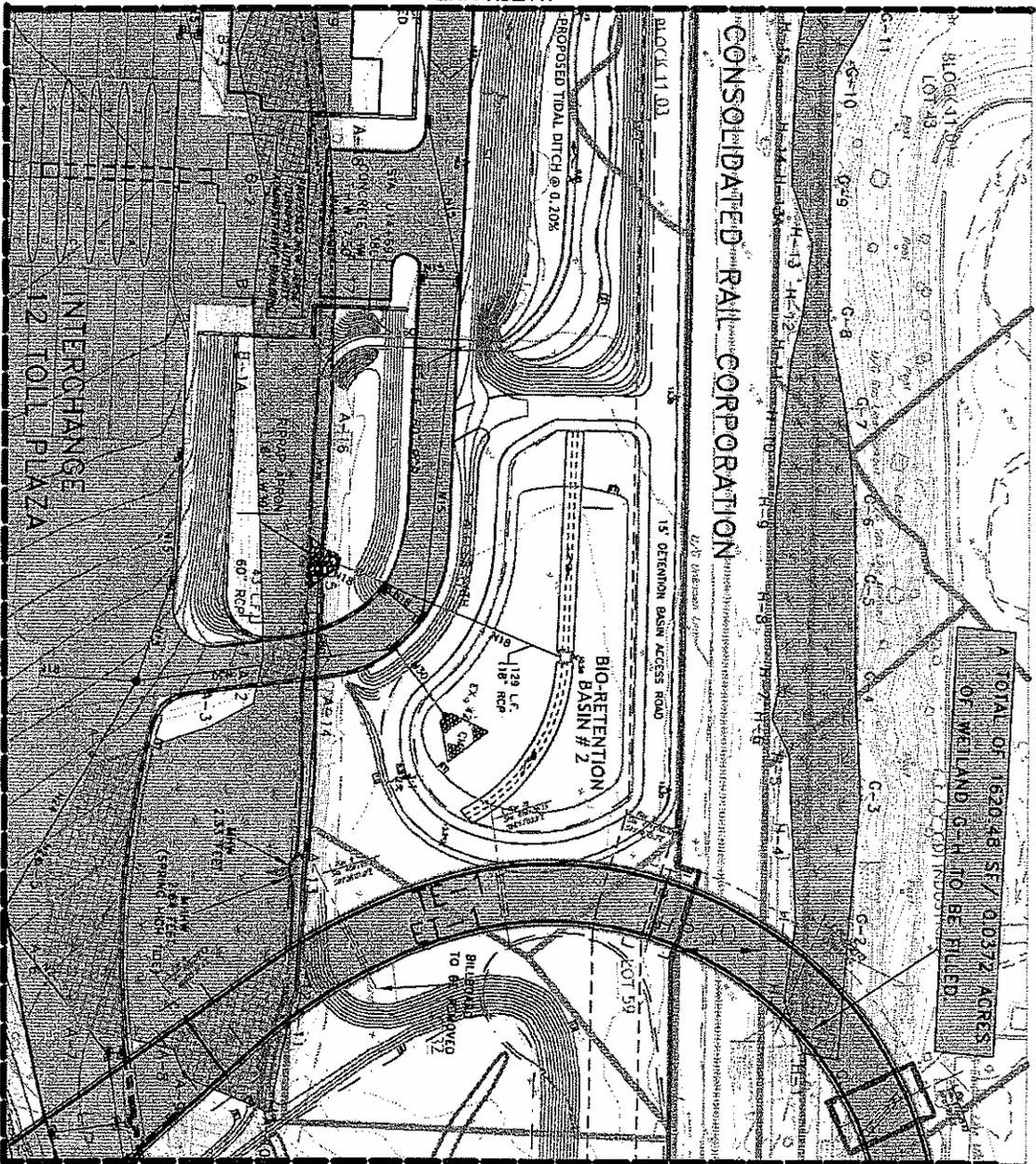
**LEGEND**

- EXISTING GRADE
- PROPOSED GRADE
- PROPERTY BOUNDARY
- LIMITS OF PROPOSED ACTIVITIES
- INTERIM IMPROVEMENTS UNDER CONSTRUCTION
- PROPOSED FINAL ROADWAY
- HWY 11.33 FEET - HAND 1988  
2.44 FEET - NAVD 1988
- WETLANDS (WATERS OF THE U.S.)
- WETLAND BOUNDARY LINE
- OPEN WATERS (WATERS OF THE U.S.)
- WATERS / TRIBUTARIES
- BIORETENTION WETLAND IMPACT FILL OR GRADING STRUCTURE ABOVE TO NO IMPACT
- SANITARY PRELIMINARY AUTHORIZED INTERIM IMPROVEMENT PROJECT

NEW JERSEY TURNPIKE AUTHORITY  
NEW JERSEY TURNPIKE  
INTERCHANGE NO. 12  
CONTRACT NO. 1848  
CENTRAL TOLL PLAZA  
PREFERRED ALTERNATIVE INTERCHANGE 12  
FINAL IMPROVEMENT PROGRAM  
SHEET A

DESIGNED BY GARDNER, ANDERSON & COMPANY  
NEW JERSEY  
12  
19  
19

14/23



MATCH LINE  
SHEET -F-

A TOTAL OF 1620.48 SQ. FT. @ 0.0372% AGGRESSIVE FILL TO BE FILLED

NOTES

- 1- Property line and topographic information detail from ESOP Photogrammetric Science-Survey Technology New Brunswick, NJ 07435.
- 2- The Coordinate System as shown in this contract is the New Jersey Plane Coordinate System Horizontal Datum (NAVD 1983). The Vertical Datum is (NAVD 1988). Datum (NAVD 1988) = NGVD 1929 + 1.05 FT.
- 3- Interim improvements provided by Edwards & Kelcey, Inc., Consulting Engineers Morristown, New Jersey. Interchange No. 12 Local Road Interim Improvement Phase B Submission, dated 5-11-04.

LEGEND

	EXISTING GRADE
	PROPOSED GRADE
	PROPERTY BOUNDARY
	LIMITS OF PROPOSED ACTIVITIES
	INTERIM IMPROVEMENTS UNDER CONSTRUCTION
	PROPOSED FINAL ROADWAY IMPROVEMENTS
	2.33 FEET - NAVD 1988 HIGH SPRING HIGH TIDE
	2.64 FEET - NAVD 1988 WETLANDS (WATERS OF THE U.S.)
	WETLAND BOUNDARY LINE
	OPEN WATERS (WATERS OF THE U.S.)
	WATERS / RIPARIAN AREAS
	DENOTES WETLAND IMPACT (FILL OR GRADING STRUCTURE ABOVE 16" NO IMPACT)
	DENOTES WETLAND SHADING ABOVE 16" NO IMPACT
	DENOTES PREVIOUSLY AUTHORIZED FILL UNDER INTERCHANGE 12 INTERIM IMPROVEMENT PROJECT

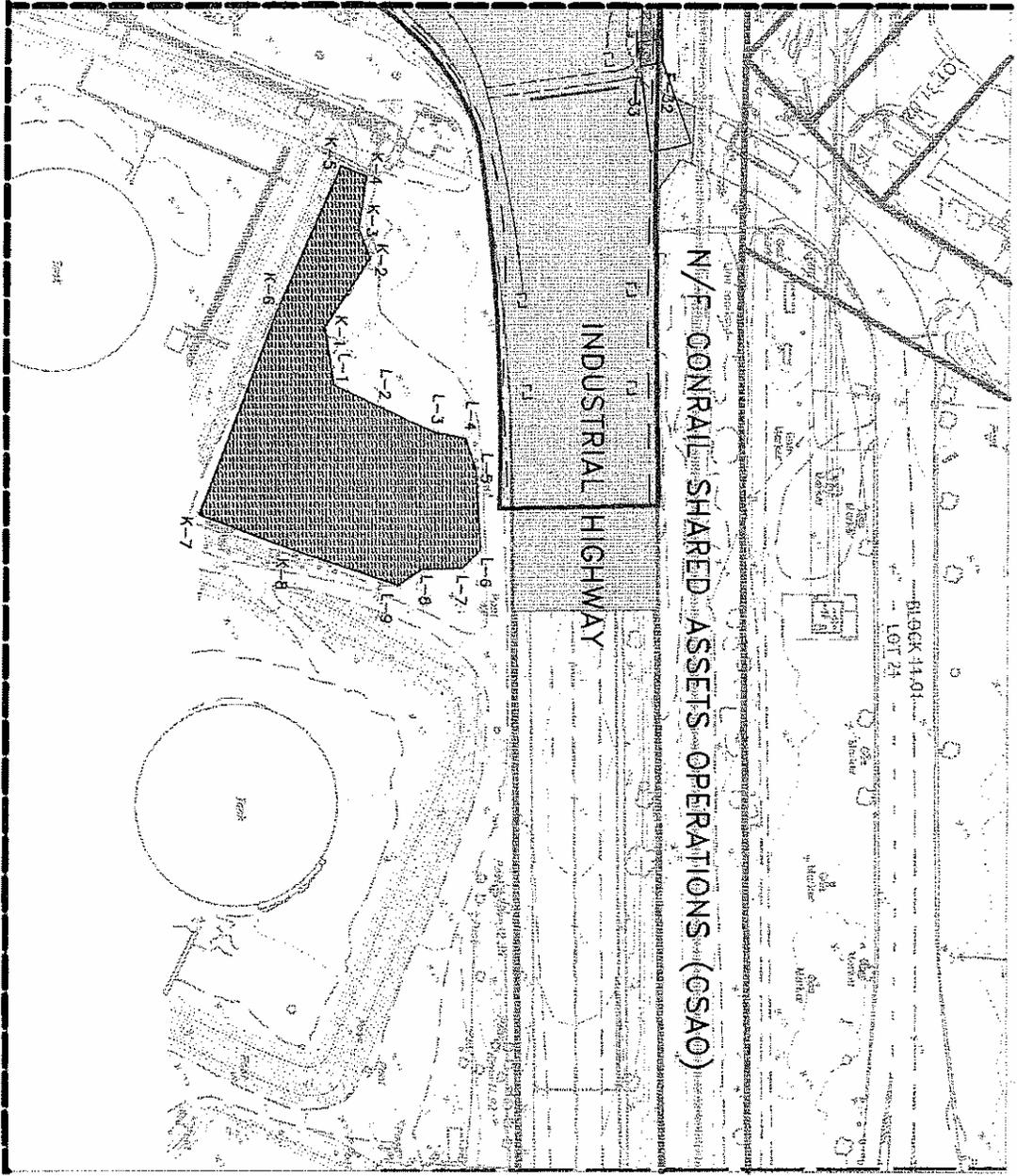
NEW JERSEY TURNPIKE AUTHORITY  
NEW JERSEY TURNPIKE  
INTERCHANGE NO. 12  
FINAL IMPROVEMENTS  
CONTRACT NO. 8-1487  
PREFERRED ALTERNATIVE INTERCHANGE 12  
FINAL IMPROVEMENT PROGRAM  
SHEET B  
DESIGNED BY EDWARDS & KELCEY, INC.  
NEW JERSEY

DATE	DESCRIPTION
1/11/04	REVISED

EDWARDS & KELCEY, INC.  
CONSULTING ENGINEERS  
1000 ENGINEERING/ONE ASSOCIATES COLLEGE BLVD., SUITE 100  
MORRISTOWN, NEW JERSEY 07960  
TEL: 973-875-1000 FAX: 973-875-1001  
WWW.EDWARDS-KELCEY.COM

15/23





MATCH LINE  
SHEET -H-

General Notes and Legend

NOTES

- 1- Property line and topographic information obtain from GSDP Photogrammetric Sciences-Survey Technologies New Brunswick, NJ 07435.
- 2- The Coordinate System as shown in this contract is the New Jersey Plane Coordinate System Horizontal Datum (NAD 1983). The Vertical Datum is (NAVD 1989). Datum (NAVD 1989) = NCVD 1929 - 1.05 FT.
- 3- Interim improvements provided by Edwards & Kersey, Inc. Consulting Engineers Morristown, New Jersey. Interchange No. 12 Local Road Interim Improvement Phase B Submission, dated 5-11-04.

LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- PROPERTY BOUNDARY
- LIMITS OF PROPOSED ACTIVITIES
- INTERIM IMPROVEMENTS UNDER CONSTRUCTION
- PROPOSED FINAL ROADWAY IMPROVEMENTS
- ARWY 2.33 FEET - NAVD 1989
- ARMY SPRING HIGH TIDE 2.64 FEET - NAVD 1989
- WETLANDS (WATERS OF THE U.S.)
- WETLAND BOUNDARY LINE
- OPEN WATERS (WATERS OF THE U.S.)
- WATERS / TRIBUARIES
- DENOTES WETLAND IMPACT (FILL OR GRADING) STRUCTURE ABOVE 16 NO IMPACT
- DENOTES PERMANENTLY AUTHORIZED FILL/LAND INTERCHANGE 12 INTERIM IMPROVEMENT PROJECT

NEW JERSEY TURNPIKE AUTHORITY  
 NEW JERSEY TURNPIKE  
 INTERCHANGE NO. 12  
 FINAL IMPROVEMENTS  
 CONTRACT NO. 8-1427  
**PREFERRED ALTERNATIVE INTERCHANGE 12  
 FINAL IMPROVEMENT PROGRAM**  
 SHEET D  
 A DIVISION OF JERSEY TURNPIKE COUNTY  
 NEW JERSEY

Scale	1" = 20'
North Arrow	True North
Legend	1.11 (SHEET 12)
DATE	10/10/03
BY	10/10/03

TCOR ENGINEERING/PLANNING ASSOCIATES, CO., INC. 07115-0303  
 15  
 19  
 BERKSHIRE TURNPIKE

17/23





David Mann and Lloyd

**NOTES**

1. Property line and topographic information obtain from GEOD Photogrammetric Sciences Survey Technologies New Foundland, NJ 07435.
2. The Coordinate System as shown in this contract is the New Jersey Plane Coordinate System Horizontal Datum (NAAD1983). The Vertical Datum is (NAVD 1988). Datum (NAVD 1988) = MGD 1929 - 1.05 FT.
3. Interim Improvements provided by Edwards & Kelcey, Inc. Consulting Engineers Morristown, New Jersey, Interchange No. 12 Local Road Interim Improvement, Phase B Submission, dated 5-11-94.

**LEGEND**

- EXISTING GRADE
- PROPOSED GRADE
- PROPERTY BOUNDARY
- LIMITS OF PROPOSED ACTIVITIES UNDER CONSTRUCTION
- PROPOSED FINAL ROADWAY AND RIGHT-OF-WAY
- 2.1 FEET - NAVD 1988 MEAN SPRING HIGH TIDE  
2.6 FEET - NAVD 1988
- WETLANDS (WATERS OF THE U.S.)
- WETLAND BOUNDARY LINE
- OPEN WATERS (WATERS OF THE U.S.)
- WATERS / TRIBUTARIES
- DENOTES WETLAND IMPACT FILL OR GRADING STRUCTURE
- DENOTES WETLAND SHADING ABOVE OR NO IMPACT
- DENOTES RECURSIVELY AUTHORIZED FILL UNDER INTERCHANGE 12 INTERIM IMPROVEMENT PROJECT

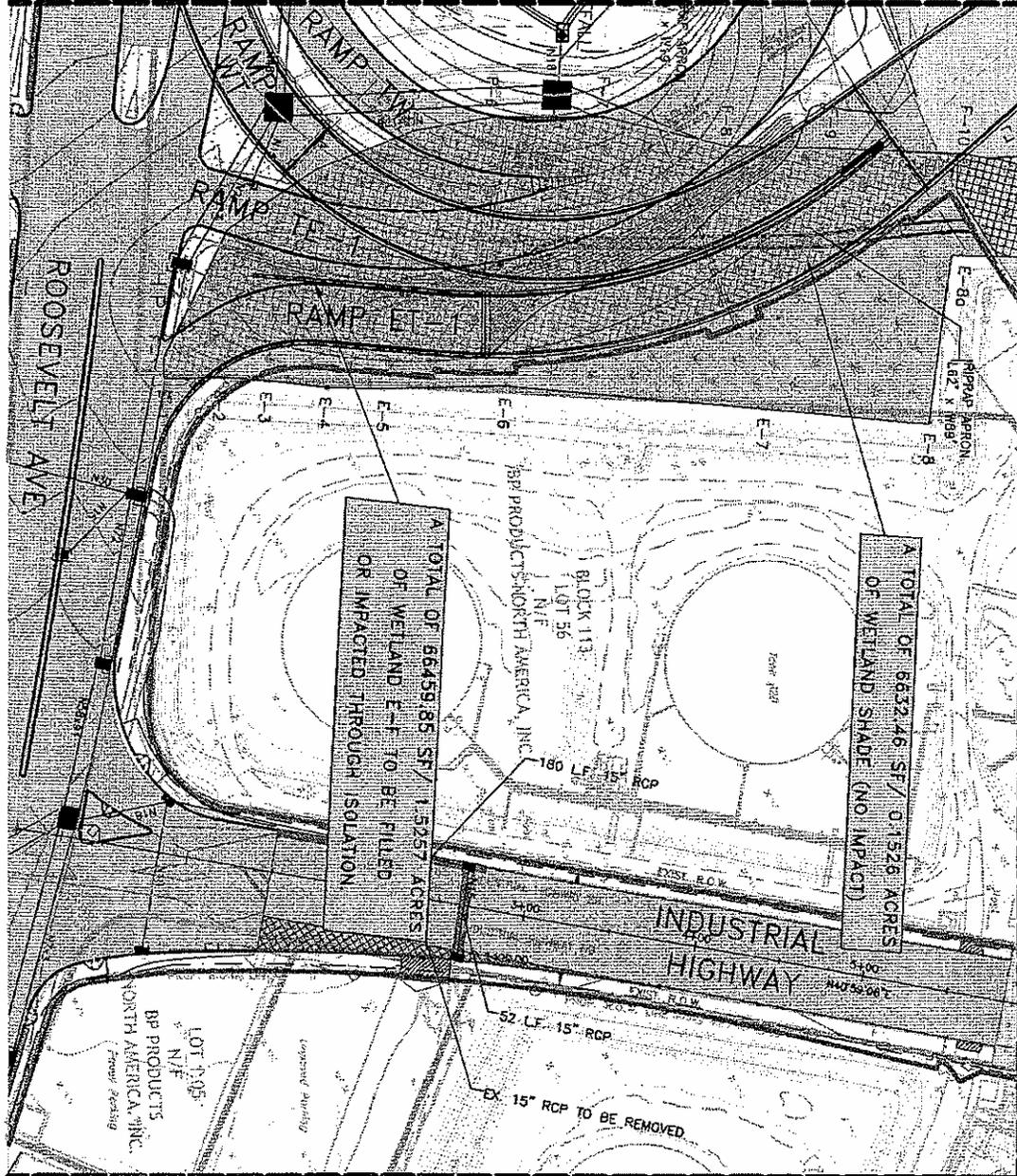
NEW JERSEY TURNPIKE AUTHORITY  
NEW JERSEY TURNPIKE  
DIVISION OF HIGHWAYS  
CONTRACT NO. 8-1407  
PREFERRED ALTERNATIVE INTERCHANGE 12  
FINAL IMPROVEMENT PROGRAM  
SHEET F

APPROVED BY CARTERET ASSOCIATES COMPANY  
DATE: 11/15/93

1	1/11/93	15	15
2	1/27/93	15	15
3	2/10/93	15	15
4	2/24/93	15	15
5	3/10/93	15	15
6	3/24/93	15	15
7	4/7/93	15	15
8	4/21/93	15	15
9	5/5/93	15	15
10	5/19/93	15	15
11	6/2/93	15	15
12	6/16/93	15	15
13	6/30/93	15	15
14	7/14/93	15	15
15	7/28/93	15	15
16	8/11/93	15	15
17	8/25/93	15	15
18	9/8/93	15	15
19	9/22/93	15	15
20	10/6/93	15	15
21	10/20/93	15	15
22	11/3/93	15	15
23	11/17/93	15	15
24	12/1/93	15	15
25	12/15/93	15	15
26	12/29/93	15	15
27	1/12/94	15	15
28	1/26/94	15	15
29	2/9/94	15	15
30	2/23/94	15	15
31	3/9/94	15	15
32	3/23/94	15	15
33	4/6/94	15	15
34	4/20/94	15	15
35	5/4/94	15	15
36	5/18/94	15	15
37	6/1/94	15	15
38	6/15/94	15	15
39	6/29/94	15	15
40	7/13/94	15	15
41	7/27/94	15	15
42	8/10/94	15	15
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45	9/21/94	15	15
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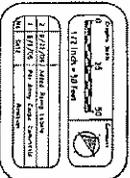
ICM ENGINEERING/ZONE ASSOCIATES, CMA NO. 0135995  
120 N. WYOMING STREET, SUITE 200, NEWARK, NJ 07102  
BETHAN TILMAN, N.J. REG. NO. 120001000, DATE: 12/20/93

19/73



MATCH LINE  
SHEET - C -

MATCH LINE  
SHEET - H -



NEW JERSEY TURNPIKE AUTHORITY  
NEW JERSEY TURNPIKE  
FINAL IMPROVEMENTS  
CONTRACT NO. F-1487  
PREFERRED ALTERNATIVE INTERCHANGE 12  
FINAL IMPROVEMENT PROGRAM  
SHEET G

SECTION OF CONTRACT DRAWINGS

ICOM ENGINEERING/LOVE ASSOCIATES CORP. No. 015-535  
12777 127th Ave. Suite 1000  
Bellevue, WA 98005  
TEL: (206) 461-1277  
FAX: (206) 461-1278  
WWW: WWW.ICOM-LOVE.COM

18  
19

General Notes and Legend

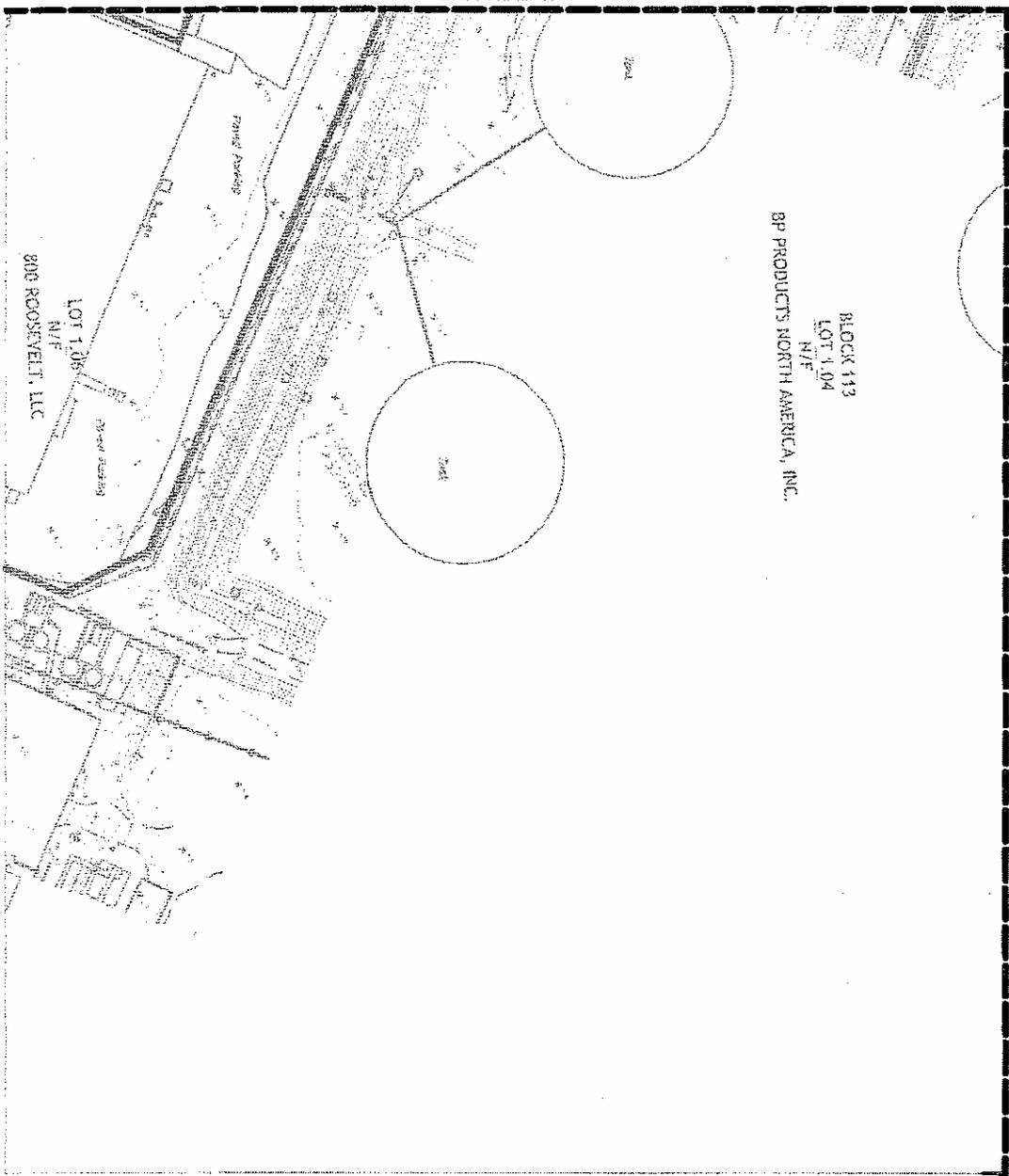
**NOTES**

- 1- Property line and topographic information obtain from GEOID Photogrammetric Sciences-Survey Technologies New Brunswick, NJ 07415.
- 2- The Coordinate System as shown in this contract is the New Jersey Plane Coordinate System Horizontal Datum (NAD1983). The Vertical Datum is (NAVD 1988). Datum (NAVD 1988) = NGVD 1929 - 1.05 FT.
- 3- Interim Improvements provided by Edwards & Kelcey, Inc. Consulting Engineers Morristown, New Jersey. Interchange No. 12 Local Road Interim Improvement, Phase B Submission, dated 5-11-04.

**LEGEND**

- EXISTING GRADE
- PROPOSED GRADE
- PROPERTY BOUNDARY
- LIMITS OF PROPOSED ACTIVITIES
- INTERIM IMPROVEMENTS UNDER CONSTRUCTION
- PROPOSED FINAL ROADWAY IMPROVEMENTS
- HWY 2.11 FEET - NAVD 1988
- HWY 2.54 FEET - NAVD 1988
- WETLANDS (WATERS OF THE U.S.)
- WETLAND BOUNDARY LINE
- OPEN WATERS (WATERS OF THE U.S.)
- WATERS / TRIBUTARIES
- DEPOTES WETLAND IMPACT (FILL OR GRADING) STRUCTURE
- DEPOTES WETLAND SHADING ABOVE TO NO IMPACT
- DEPOTES PREVIOUSLY AUTHORIZED FILL UNDER INTERCHANGE 12 INTERIM IMPROVEMENT PROJECT

20/23



BLOCK 113  
LOT 1.04  
N/E  
BP PRODUCTS NORTH AMERICA, INC.

LOT 1.08  
N/F  
808 ROOSEVELT, LLC

NOTES

- 1- Property line and topographic information obtain from GEOD Photogrammetric Sciences- Survey Technologies New Brunswick, NJ 07433.
- 2- The Coordinate System as shown in this contract is the New Jersey Plane Coordinate System Horizontal Datum (NAD 1983). The Vertical Datum is (NAVD 1989). Datum (NAVD 1989) = NGVD 1929 - 1.03 FT.
- 3- Interim Improvements provided by Edwards & Kelcey, Inc. Consulting Engineers Morristown, New Jersey. Interchange No. 12 Local Road Interim Improvement Phase B Submission, dated 5-1-04.

LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- PROPERTY BOUNDARY
- LIMITS OF PROPOSED ACTIVITIES
- INTERIM IMPROVEMENTS UNDER CONSTRUCTION
- PROPOSED FINAL ROADWAY IMPROVEMENTS
- 2.33 FEET - HAND 1988 ARROW SPRING HIGH TIDE
- 2.66 FEET - HAND 1984
- WETLANDS (WATERS OF THE U.S.)
- WETLAND BOUNDARY LINE
- OPEN WATERS (WATERS OF THE U.S.)
- WATERS / TRIBUTARIES
- DENOTES WETLAND IMPACT (FILL OR GRADING) STRUCTURE ABOVE IS NO IMPACT
- DENOTES WETLAND SHADING ABOVE IS NO IMPACT
- DENOTES PREVIOUSLY AUTHORIZED INTERIM IMPROVEMENT PROJECT

NEW JERSEY TURNPIKE AUTHORITY  
NEW JERSEY TURNPIKE  
INTERCHANGE NO. 12  
FINAL IMPROVEMENTS  
CONTRACT NO. R-1447  
PREFERRED ALTERNATIVE INTERCHANGE 12  
FINAL IMPROVEMENT PROGRAM  
SHEET H

Scale: 1" = 100'

North Arrow

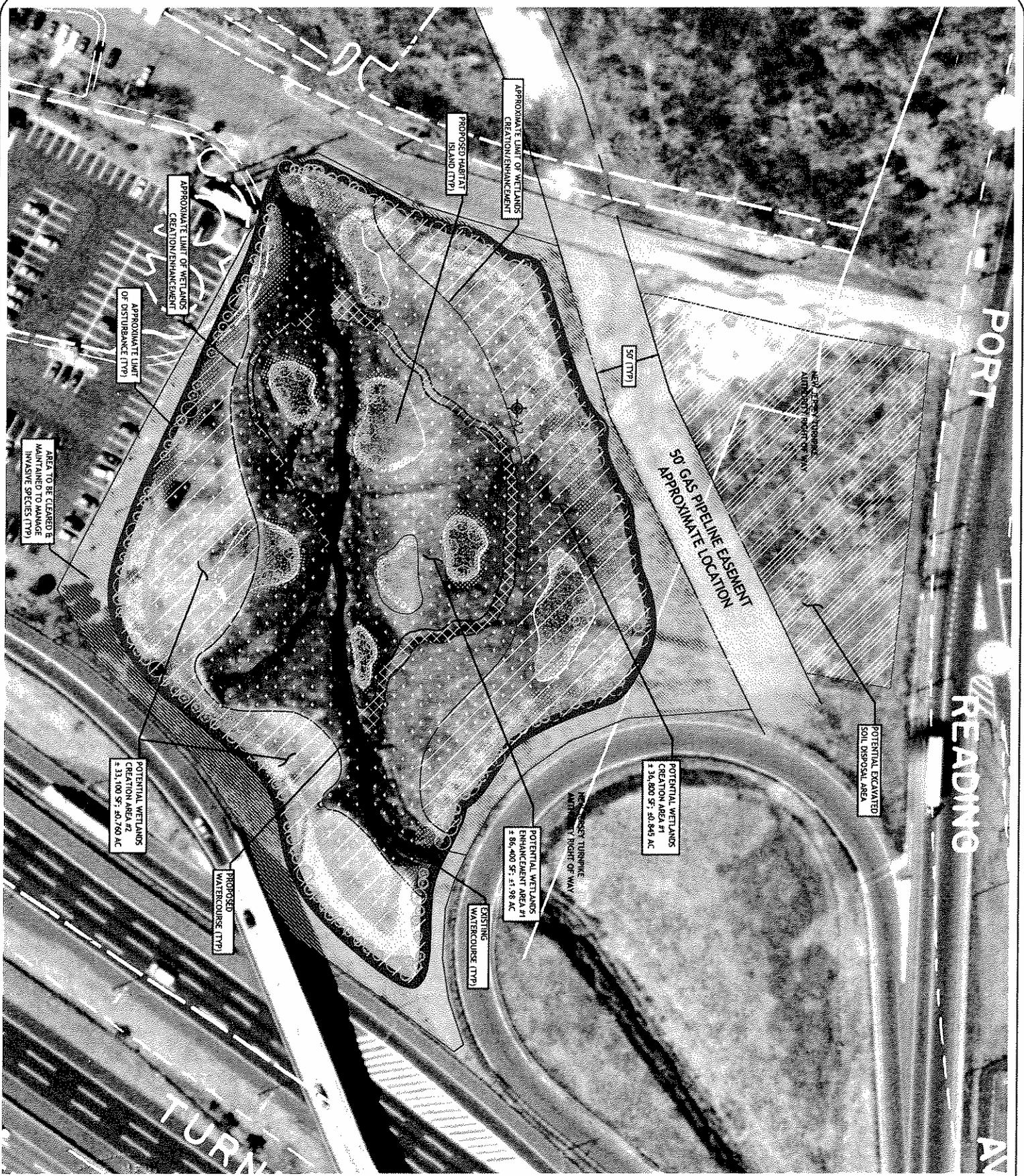
Legend

Legend

19  
18  
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1

21/23



PORT

READING

AV

**NOTES**  
 1. ALL PHOTO GRAPHS OBTAINED FROM THE ENVIRONMENTAL PROTECTION SYSTEM DATA MANAGEMENT SYSTEM AND INFORMATION FROM THE TOWNHIP SURVEY OF DATED 1913, LAST REVISED MARCH 10, 2004.

**PLAN LEGEND**  
 PROPOSED  
 MUD-FLAT AREA  
 PROPOSED SCURRIER VEGETATION LAYER  
 PROPOSED DRIFTALC WETLANDS  
 AREA TO BE CLEARED & MAINTAINED TO MANAGE INVASIVE SPECIES  
 PROPOSED TROMBTON AREA  
 PROPOSED WETLANDS SEED MATRICES  
 PROPOSED CANOPY TREES AND SHRUBS  
 APPROXIMATE LOCATION OF SOIL DISPOSAL AREA (FROM 12/20/09)  
 PREFERRED DITCHION 10

**PORT READING AVENUE SITE**  
 POTENTIAL WETLANDS CREATION/ENHANCEMENT, 1.19 AC  
 POTENTIAL WETLANDS CREATION/ENHANCEMENT, 1.80 AC

**NEW ASBESTOS TANKS AT AUTHORITY INTERFERENCE NO. 12**

**DRAWING 6**  
 AREA 9  
 Preferred Conceptual Wetlands Enhancement & Creation Areas (not including area south of Service Area 10a)  
 WORKSHEET NO. 12  
 WINDSOR COUNTY, ILL. 60829

**John Engineering**  
 Environmental & Agricultural  
 1250 W. Hwy 1, York, PA 17403  
 PH: 717-765-1234 FAX: 717-765-1235  
 WWW.JEONLINE.COM  
 PROJECT NO. 121010  
 SHEET NO. 121010-06

DATE	DESCRIPTION
12/20/09	ISSUED FOR PERMITTING
01/20/10	ISSUED FOR PERMITTING
02/20/10	ISSUED FOR PERMITTING
03/20/10	ISSUED FOR PERMITTING
04/20/10	ISSUED FOR PERMITTING
05/20/10	ISSUED FOR PERMITTING
06/20/10	ISSUED FOR PERMITTING
07/20/10	ISSUED FOR PERMITTING
08/20/10	ISSUED FOR PERMITTING
09/20/10	ISSUED FOR PERMITTING
10/20/10	ISSUED FOR PERMITTING
11/20/10	ISSUED FOR PERMITTING
12/20/10	ISSUED FOR PERMITTING
01/20/11	ISSUED FOR PERMITTING
02/20/11	ISSUED FOR PERMITTING
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04/20/11	ISSUED FOR PERMITTING
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05/20/12	ISSUED FOR PERMITTING
06/20/12	ISSUED FOR PERMITTING
07/20/12	ISSUED FOR PERMITTING
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