

sand would be dredged by hydraulic method to a maximum depth of 18.32 feet below mean low water. The dredged sand would be discharged via pipeline onto the ocean-front beach.

For 2007, the proposed work is scheduled to take place from early April through early June (with no work proposed between May 24 and 28, 2007). For the proposed 10 years of maintenance, future volumes of sand would be dependent on the amount of erosion. A maximum of 200,000 cubic yards would be transported by truck in any one year for future maintenance; or up to 500,000 cubic yards (in one year) if dredged and pumped from the inlet borrow area; or a combination of these two methods.

This office has previously issued Department of the Army permits for beach nourishment in this area using the Townsends Inlet borrow site (CENAP-OP-R-199599595-24, and CENAP-OP-R-200501635-24). This section of beach was last restored by the Corps of Engineers in 2003 as part of their "Townsends Inlet to Hereford Inlet Shore Protection Project." The Borough of Avalon restored the beach in 2006 using the Townsends Inlet borrow site, which is the designated borrow area for the Federal project.

PURPOSE: The applicant's stated purpose is to restore their beach and dune system.

A preliminary review of this application indicates that the proposed work would not affect Federally listed species, including the (threatened) piping plover (Charadrius melodus), or their critical habitat pursuant to Section 7 of the Endangered Species Act as amended. The U.S. Fish and Wildlife Service has recently determined that the proposed beach re-nourishment area does not presently (in 2007) provide suitable piping plover nesting habitat, and it is located greater than 1,000 meters from a current nesting area. As the evaluation of this application continues, additional information may become available which could modify this preliminary determination, which applies to both the beach re-nourishment area and proposed borrow areas.

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 15 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). A preliminary 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, specifically page 63, indicates that the proposed work would not have a substantial adverse effect on any managed species, including winter flounder eggs and larvae (Pseudopleuronectes americanus), since the proposed discharge (fill) area is highly dynamic, subject to waves and sand movement. Adults and juveniles could move away from the construction equipment.

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.

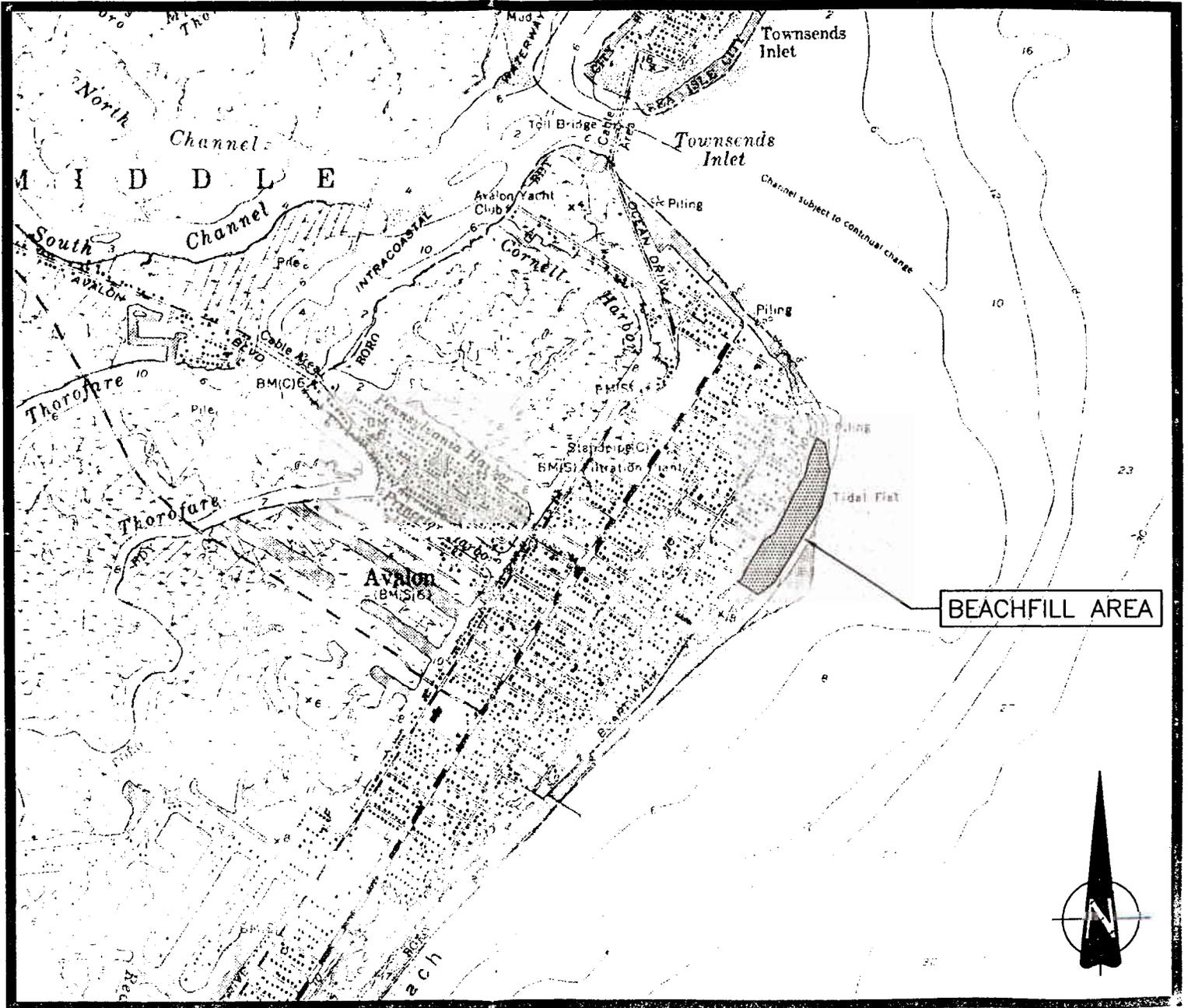
The evaluation of the impact of the work described above on the public interest will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act.

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 James Boyer at (215) 656-5826 between the hours of 1:00 and 3:30 p.m. or writing this office at the above address.

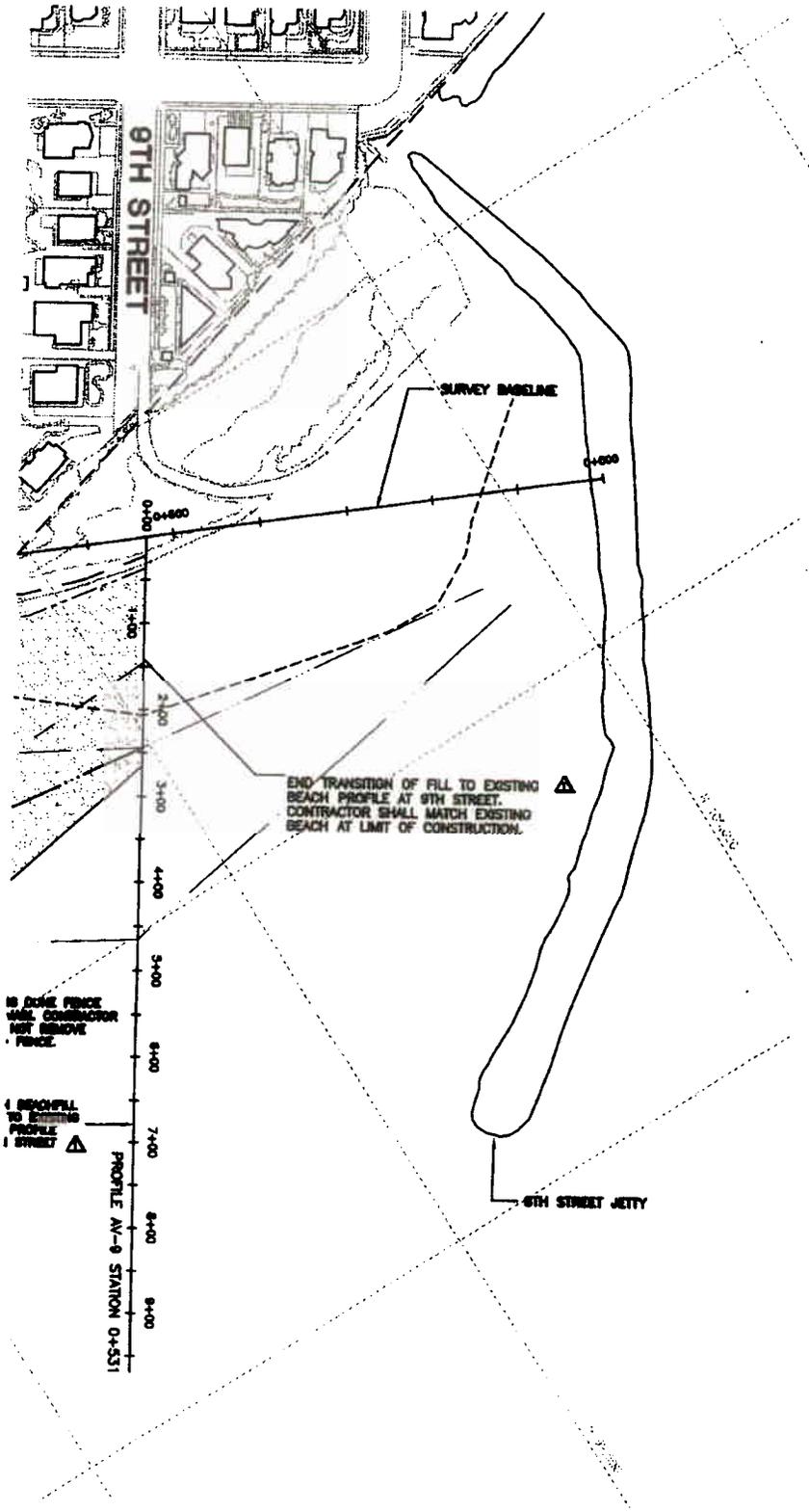


Frank J. Cianfrani
Chief, Regulatory Branch

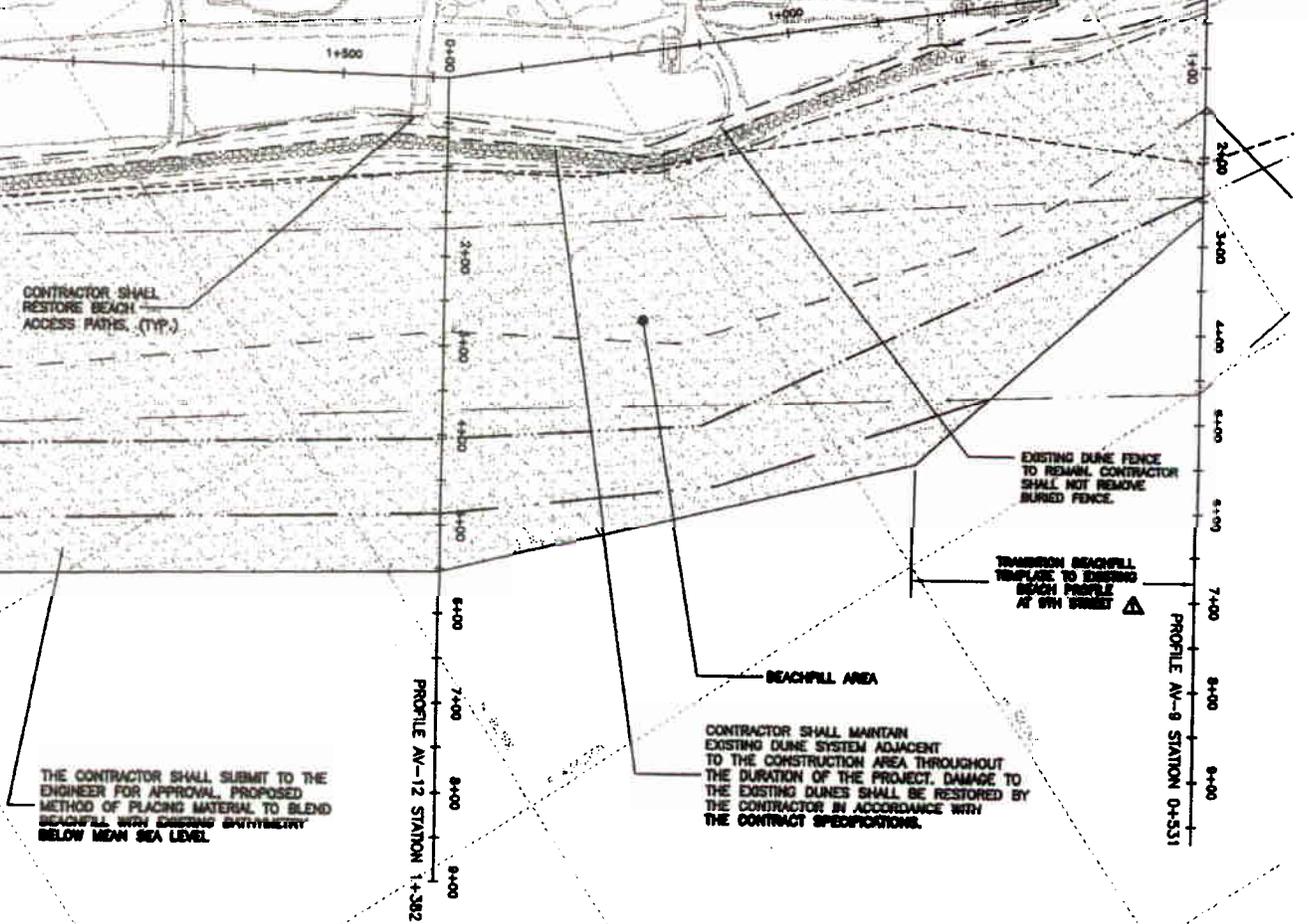
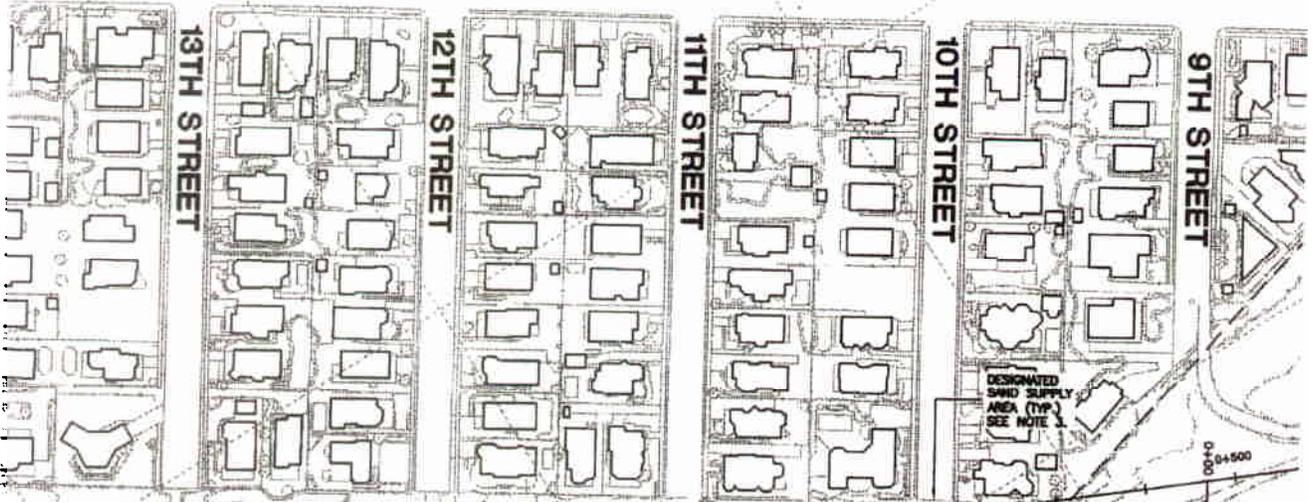


LOCATION PLAN

NOT TO SCALE

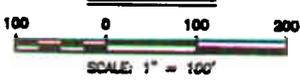


Hatch Mott MacDonald Certificate No. 24CA28016900 833 Route 9 North Cape May Court House, NJ 08210 P 808.465.9377 F 808.465.5270	THOMAS R. THORNTON Professional Engineer - M.E. Lic. No. 84680-177000 			02/07/07 Date	DEPARTMENT OF ARMY PERMIT APPLICATION Revision
	Designed MAW	Drawn MAW	Checked TRT	Approved TRT	02/07/07 Date



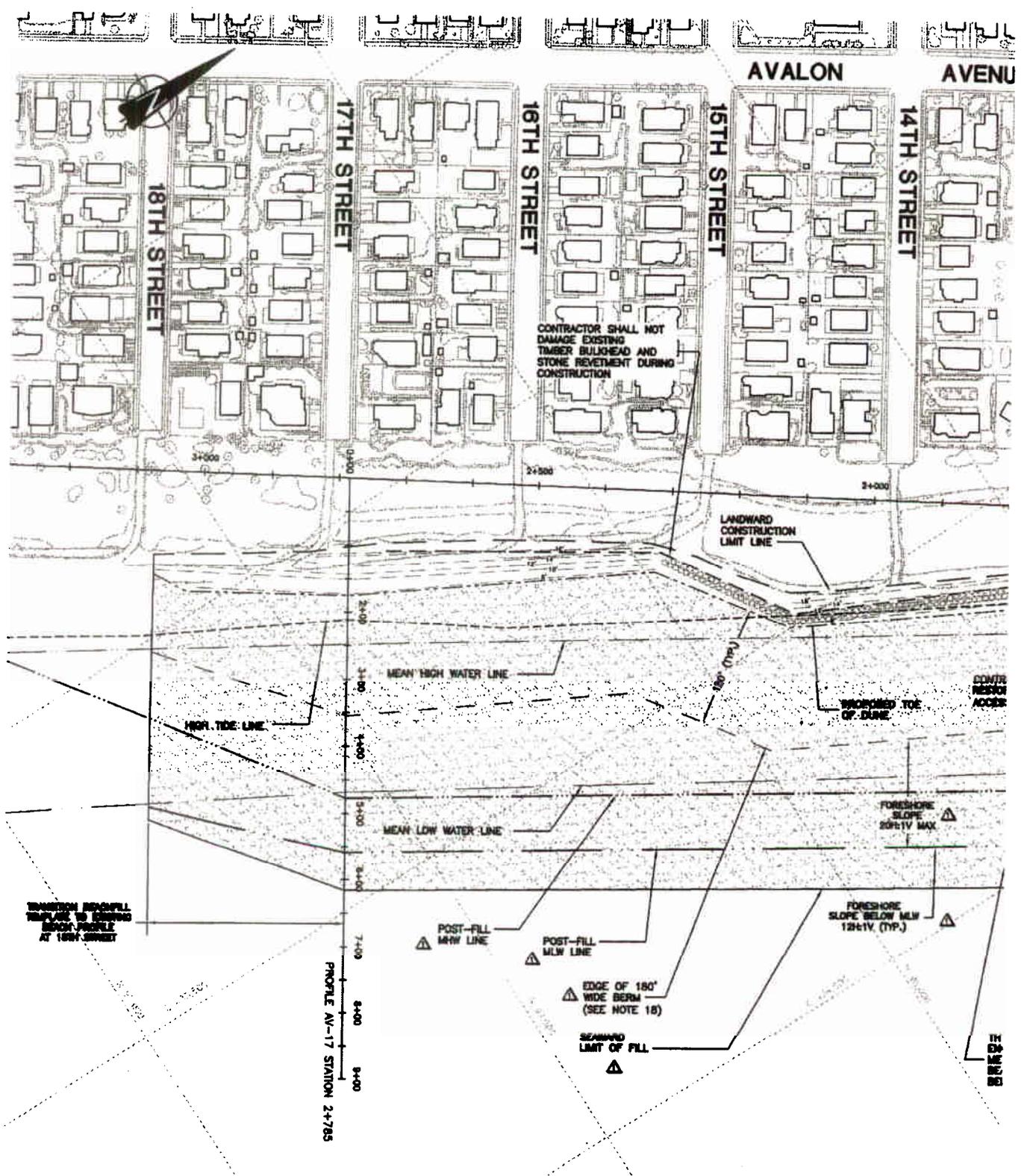
THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL PROPOSED METHOD OF PLACING MATERIAL TO BLEND BEACHPILL WITH EXISTING BATHYMETRY BELOW MEAN SEA LEVEL.

PLAN



PROFILE AV-9 STATION 0+531

PROFILE AV-12 STATION 1+382



AVALON AVENUE

14TH STREET

15TH STREET

16TH STREET

17TH STREET

18TH STREET

3+000

0+000

2+300

2+000

7+100
8+000
9+000

11 04 28 83

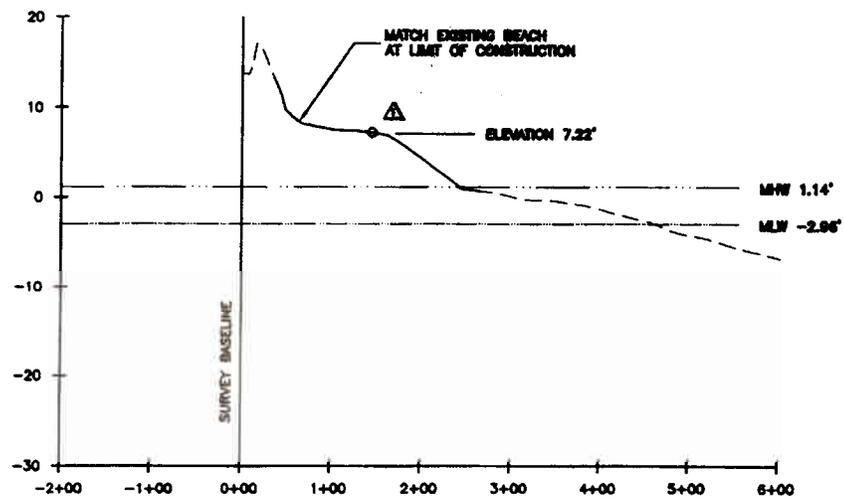
 Hatch Mott MacDonald Certificate No. 240A28016800	833 Route 9 North Cape May Court House, NJ 08210 P. 609.465.9377 F. 609.465.5270
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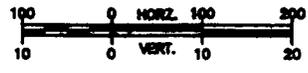
BOROUGH OF AVALON
 CAPE MAY COUNTY, NEW JERSEY
 SPRING 2007
EMERGENCY BEACH RENOURISHMENT PROJECT
SPREADING & GRADING OF BEACHFILL MATERIAL
STOCKPILE & BEACHFILL TEMPLATE PLAN

Job	234180	
#	2	
B/O	2	Total
		2

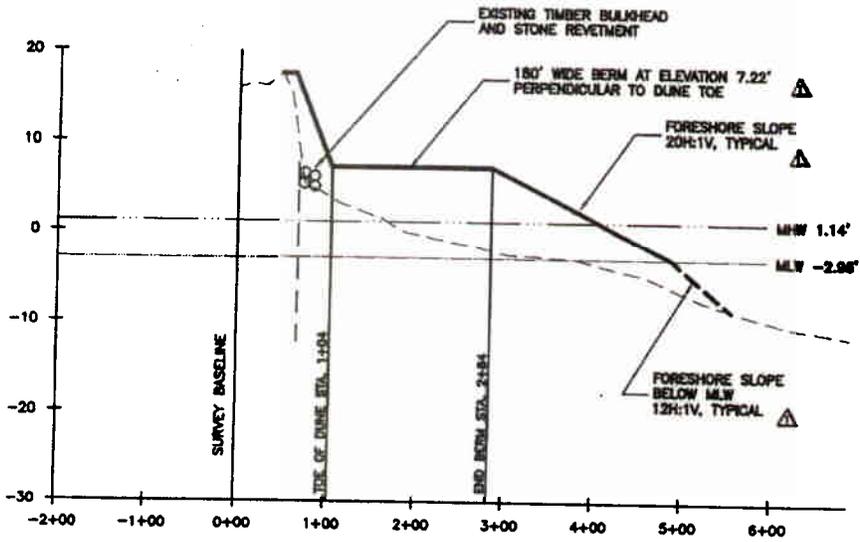
Contract No. M-78



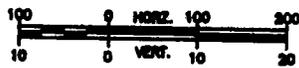
PROFILE AV-9 - STATION 0+631



- AV-9 EXISTING BEACH PROFILE*
- AV-9 PROPOSED ENGINEERED BEACH FILL LIMIT

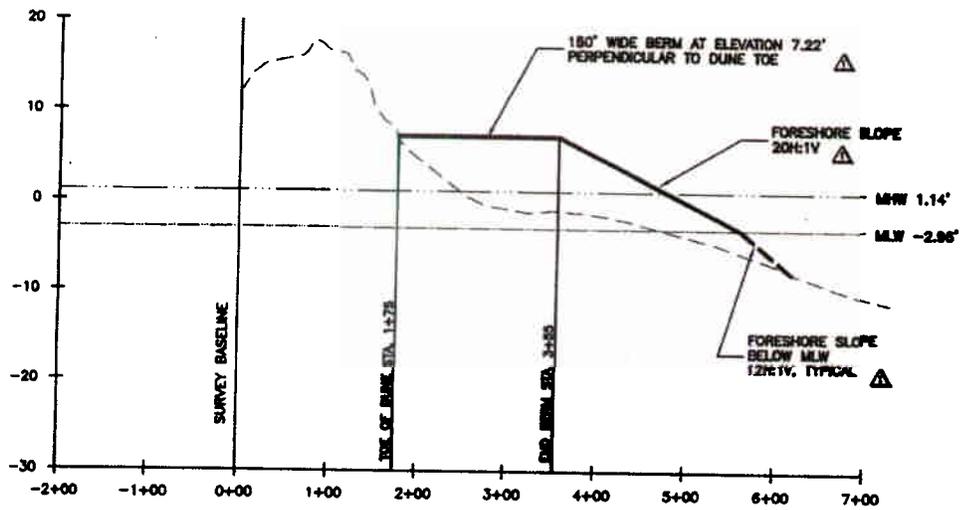


PROFILE AV-12 - STATION 1+382



- AV-12 EXISTING BEACH PROFILE*
- AV-12 PROPOSED ENGINEERED BEACH FILL LIMIT

* EXISTING BEACH PROFILES OBTAINED FROM SURVEYS CONDUCTED IN NOVEMBER 2006 AND JANUARY 2007.



PROFILE AV-17 - STATION 2+785



- AV-17 EXISTING BEACH PROFILE*
- AV-17 PROPOSED ENGINEERED BEACH FILL LIMIT

LEGEND

- BEACH FILL SAND AREA
- PROPOSED BEACH FILL BEIRN LIMIT
- PROPOSED BEACH FILL TOE
- PROFILE REFERENCE LINE
- SURVEY BASELINE
- LANDWARD CONSTRUCTION LIMIT LINE
- EXISTING BULKHEAD
- EXISTING DUNE FENCE
- PROPOSED DUNE CONTOURS
- PROPOSED TOE OF DUNE
- HIGH TIDE LINE
- EXISTING MEAN HIGH WATER LINE
- POST-FILL MEAN HIGH WATER LINE
- EXISTING MEAN LOW WATER LINE
- POST-FILL MEAN LOW WATER LINE

BOROUGH OF AVALON
 CAPE MAY COUNTY, NEW JERSEY
 SPRING 2007
 EMERGENCY BEACH RENOURISHMENT PROJECT
 SPREADING & GRADING OF BEACHFILL MATERIAL
 GRADING PLAN

Job	No.	Total	
234180	1	1	2
		R/S	

Contract No. M-78

NOTES

1. THE CONTRACTOR SHALL CONDUCT SPREADING AND GRADING OF BEACHFILL MATERIALS IN ACCORDANCE WITH ALL PROVISIONS CONTAINED IN FEDERAL AND STATE PERMITS.
2. THE CONTRACTOR SHALL CONDUCT WORK OPERATIONS AS TO MINIMIZE DISTURBANCE OF AREAS DESIGNATED "LANDWARD CONSTRUCTION LIMIT LINE." DAMAGE TO PROPERTY BEYOND THE CONSTRUCTION LIMITS, WHICH OCCURS AS A RESULT OF THE CONTRACTOR'S OPERATIONS, WILL BE RESTORED AT THE CONTRACTOR'S EXPENSE TO THE ORIGINAL CONDITION. THE CONTRACTOR IS ALSO RESPONSIBLE FOR FULL RESTORATION OF ACCESS AREAS FROM STREET ENDS TO BOROUGHS, BEACH RESTRICTION ACCESS PATHS, AND TO EXISTING SURFACES IN BOROUGHS STREET ENDS IF DAMAGED BY CONTRACTOR OPERATIONS.
3. ACCESS TO THE BEACH AREA SHALL BE PROVIDED AT ALL STREET ENDS BETWEEN 10TH STREET AND 18TH STREET.
4. ALL BEACHFILL MATERIAL FOR USE IN SPREADING AND GRADING THE BEACHFRONT SHALL BE DELIVERED AT LOCATIONS AND TIMES SHOWN ON THE PLAN (10TH STREET TO 18TH STREET). THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER FOR ADDITIONAL ACCESS POINTS AS NECESSARY THROUGHOUT THE CONTRACT PERIOD.
5. ALL DUNE FENCE EXPOSED DURING GRADING OPERATIONS SHALL BE REMOVED BY THE CONTRACTOR AND TURNED OVER TO BE BOROUGHS FOR REUSE OR DISPOSAL. FENCE SHALL INCLUDE ALL DUKE FENCE AND POST-AND-RAIL FENCE INCLUDING ALL ELEMENTS ARE REFERENCED TO N.A.S.D. 1988 UNLESS OTHERWISE NOTED.
6. ANY DISTURBANCE OF THE EXISTING DUNE FROM MACHINERY OPERATIONS ASSOCIATED WITH THE SPREADING OF SAND ON THE BEACH SHALL BE RESTORED BY THE CONTRACTOR TO PRE-CONSTRUCTION CONDITIONS.
7. BIDDERS ARE EXPECTED TO READ AND BECOME FAMILIAR WITH THE CONTRACT DOCUMENTS, INCLUDING ALL ADDENDUMS TO THE SITE OF THE WORK, TO MAKE THEIR OWN ESTIMATES OF THE PLANT, LABOR, MATERIAL, EQUIPMENT, AND SUPPLIES NEEDED TO PERFORM THE WORK; TO MAKE ANY REQUIRED TESTS AND INSPECTIONS AND TO EVALUATE THE FEASIBILITY, LOCATION AND AVAILABILITY OF LABOR, TRANSPORTATION FACILITIES, UNCERTAINTIES OF WEATHER, SUBSURFACE CONDITIONS AND OTHER CONTINGENCES.
8. EXISTING CONDITIONS SHOWN ON THIS PLAN ARE BASED UPON DISTRICT AERIAL PHOTOGRAPHY OF EXISTING FEATURES CONDUCTED IN 2002. THE EXISTING FEATURES ON THIS PLAN ARE FOR GENERAL INFORMATION AND BEING PROVIDED ONLY.

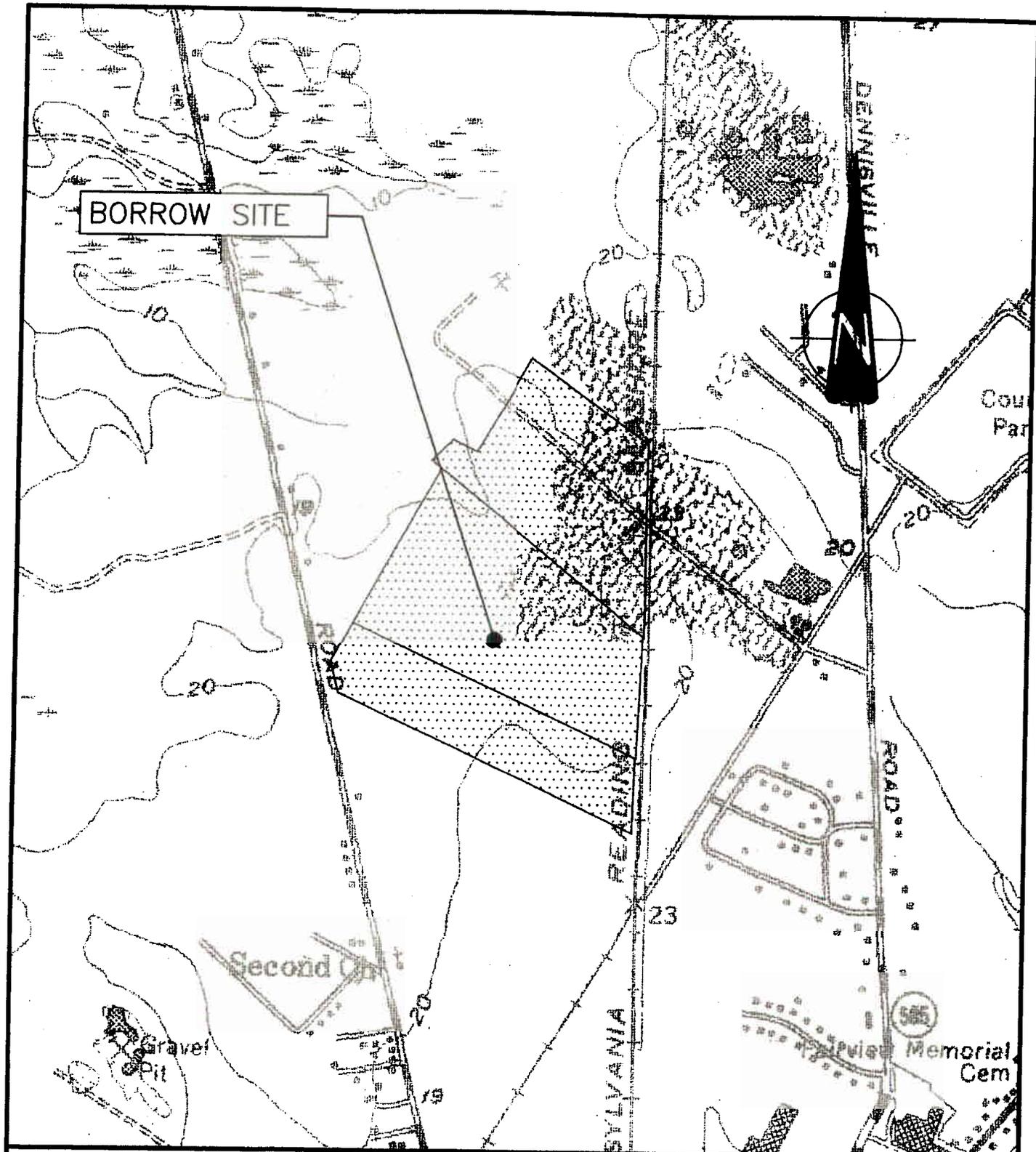
10. THE CONTRACTOR SHALL VERIFY CURRENT LOCATION AND PROTECT ALL OBSTRUCTIONS LOCATED WITHIN THE WORKING AREA WHICH MAY BE AFFECTED BY HIS OPERATIONS.
11. ALL EXISTING ACCESS PATHS ARE COMPACTED GRAVEL.
12. DELIVERY OF SAND SHALL BE COORDINATED BY THE CONTRACTOR IN A MANNER TO OPTIMIZE THE PRODUCTIVITY OF THE CONTRACTOR'S SPREADERS AND GRADING OPERATIONS.
13. THE CONTRACTOR SHALL SUPPLY EQUIPMENT AND LABOR IN SUFFICIENT NUMBER, AND SHALL POSITION AND OPERATE EQUIPMENT IN SUCH A MANNER, AS TO MAXIMIZE EFFICIENCY OF SPREADING AND GRADING OPERATIONS, AND SHALL KEEP PACE WITH THE DELIVERY OF MATERIAL TO THE JOB SITE.
14. SAND SHALL BE DELIVERED BY THE CONTRACTOR AS CLOSE TO THE BEACH AREA AS PRACTICABLE. IF ACCESS TO THE BEACH AREA IS NOT POSSIBLE, SAND SHALL BE DELIVERED TO THE SCARP EDGE. THE CONTRACTOR SHALL UTILIZE CONSTRUCTION EQUIPMENT TO TRANSPORT THE SAND FROM THE EDGE OF THE SCARP TO THE BEACH AREA. IF NECESSARY, CONSTRUCTION EQUIPMENT MAY BE OPERATED ON THE DUNE TO ACCOMPLISH THIS. HOWEVER, THE CONTRACTOR SHALL RESTORE THE DUNE TO ITS PRE-EXISTING CONDITION (EXCLUSIVE OF PLANTINGS).
15. SAND SHALL BE PLACED UNIFORMLY TO THE GENERAL GRADOS AND SLOPES INDICATED ON THE BEACH PROFILES.
16. BEACHFILL PROFILES SHOWN ON THE PLANS ARE FOR GENERAL REFERENCE ONLY AND REPRESENT THE UPPERMOST LIMIT OF ALL ANTICIPATED. THE CONTRACTOR SHALL SPREAD AND GRADE THE SAND TO CONFORM TO THE GENERAL PROFILES INDICATED. HORIZONTAL LOCATION REFERENCE GRID BASED ON NAD 1983.
17. THE BEACH WIDTH AND SEAWARD LIMIT OF FILL SHOWN ON THIS PLAN REPRESENTS THE MAXIMUM CONTRACT QUANTITY OF SAND UNDER THE CONTRACT. THE BEACH WIDTH AND SEAWARD LIMITS OF FILL SHALL BE REDUCED IN ACCORDANCE WITH THE ANTICIPATED FINAL QUANTITY OF MATERIAL ESTIMATED AT THE TIME OF COMMENCEMENT OF THE WORK.

△ 17.

△ 18.

TIDE TABLE

DESCRIPTION	N.A.V.D. 1988 DATUM	N.G.V.D. 1929 DATUM
HIGH TIDE LINE	+3.76	+5.04
SPRING HIGH WATER	+2.52	+3.80
MEAN HIGH HIGH WATER	+1.70	+2.98
MEAN HIGH WATER	+1.14	+2.42
N.A.V.D. 1988 DATUM	0.00	+1.28
N.G.V.D. 1929 DATUM	-1.28	0.00
MEAN LOW WATER	-2.96	-1.68
MEAN LOW LOW WATER	-3.11	-1.83



BORROW SITE

LOCATION PLAN

1" = 500'



Certificate No. 24GA28075000

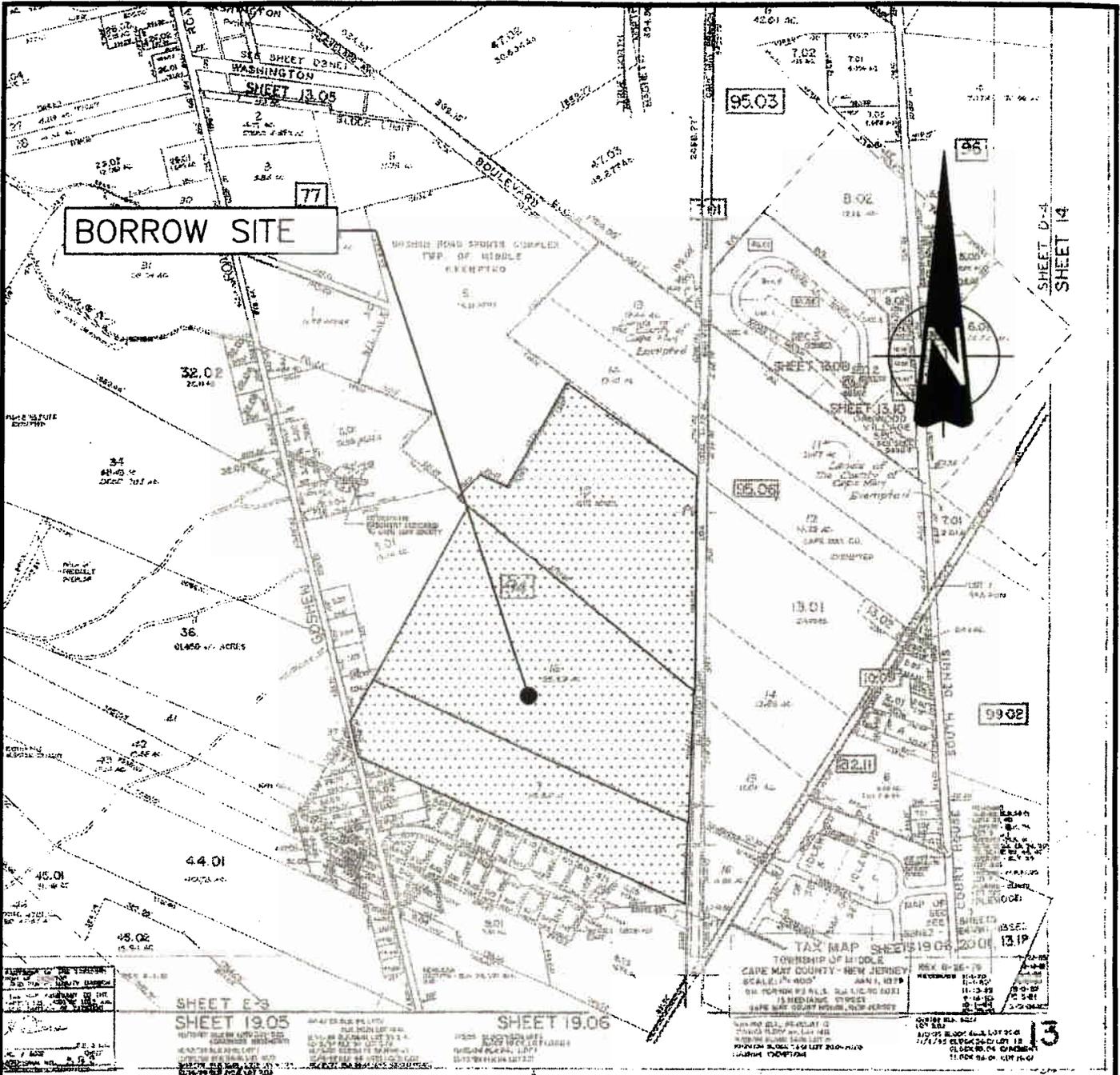
833 Route 9 North
Cape May Court House, NJ 08210
T 609.465.9377 F 609.465.5270

**BOROUGH OF AVALON
CAPE MAY COUNTY, NJ**

U.S.G.S. QUADRANGLE

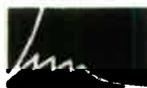
STONE HARBOR QUAD

Drawn MAW	Checked MAW	Approved MAW	Date 03/06/07
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LOCATION PLAN

1" = 500'



**Hatch Mott
MacDonald**

Certificate No. 24GA28075000

833 Route 9 North
Cape May Court House, NJ 08210
T 609.465.9377 F 609.465.5270

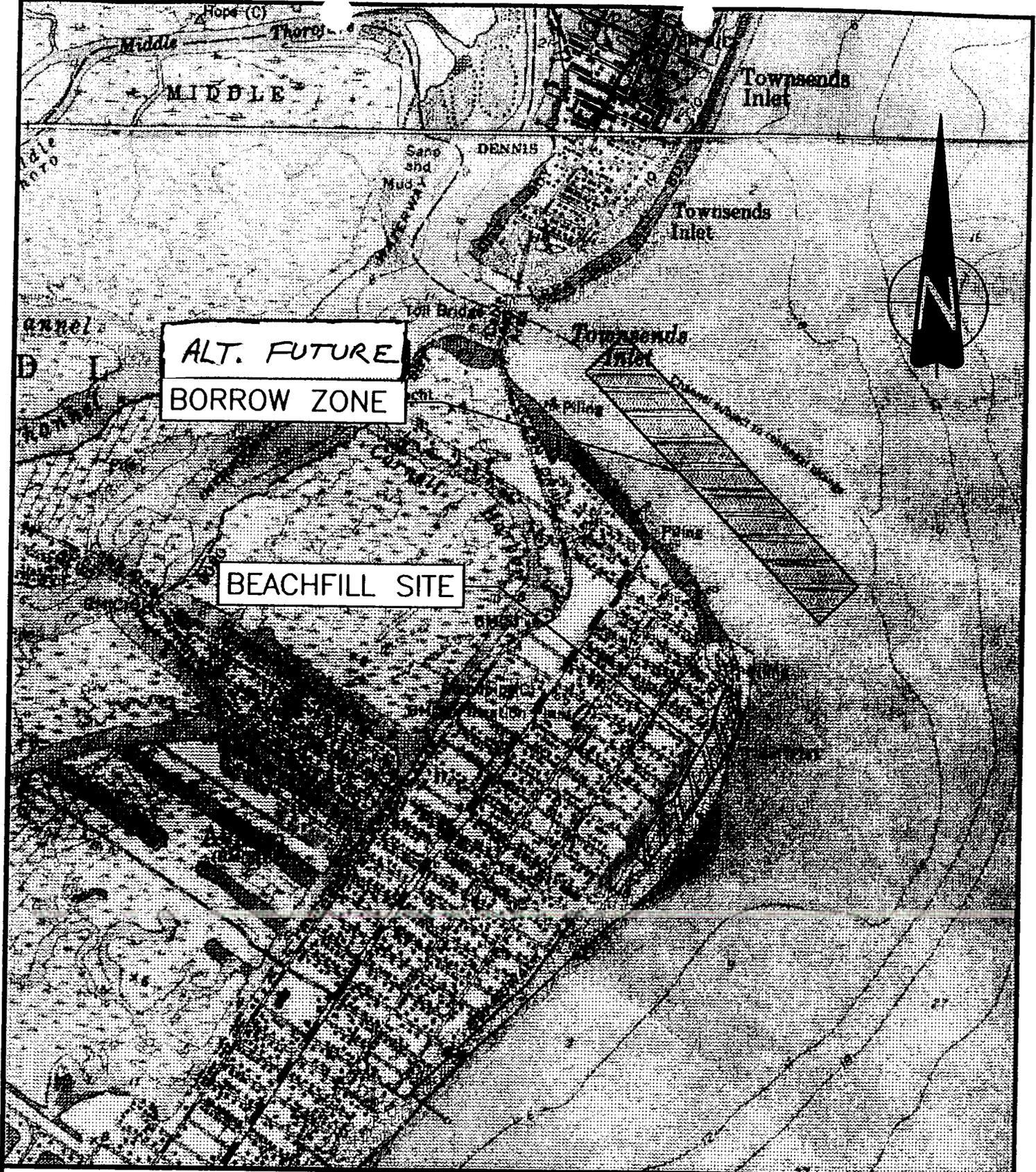
**BOROUGH OF AVALON
CAPE MAY COUNTY, NJ
MIDDLE TOWNSHIP TAX MAP**

SHEET 13

Drawn	Checked	Approved	Date
MAW	MAW	MAW	03/08/07



TRUCK ROUTE FROM BORROW SITE TO BEACH.



LOCATION PLAN

NOT TO SCALE



**Hatch Mott
MacDonald**

Certificate No. 24GA28075000

833 Route 9 North
Cape May Court House, NJ 08210
T 609.465.9377 F 609.465.5270

**BOROUGH OF AVALON
CAPE MAY COUNTY, NJ
U.S.G.S. QUADRANGLES
AVALON & SEA ISLE CITY QUADS**

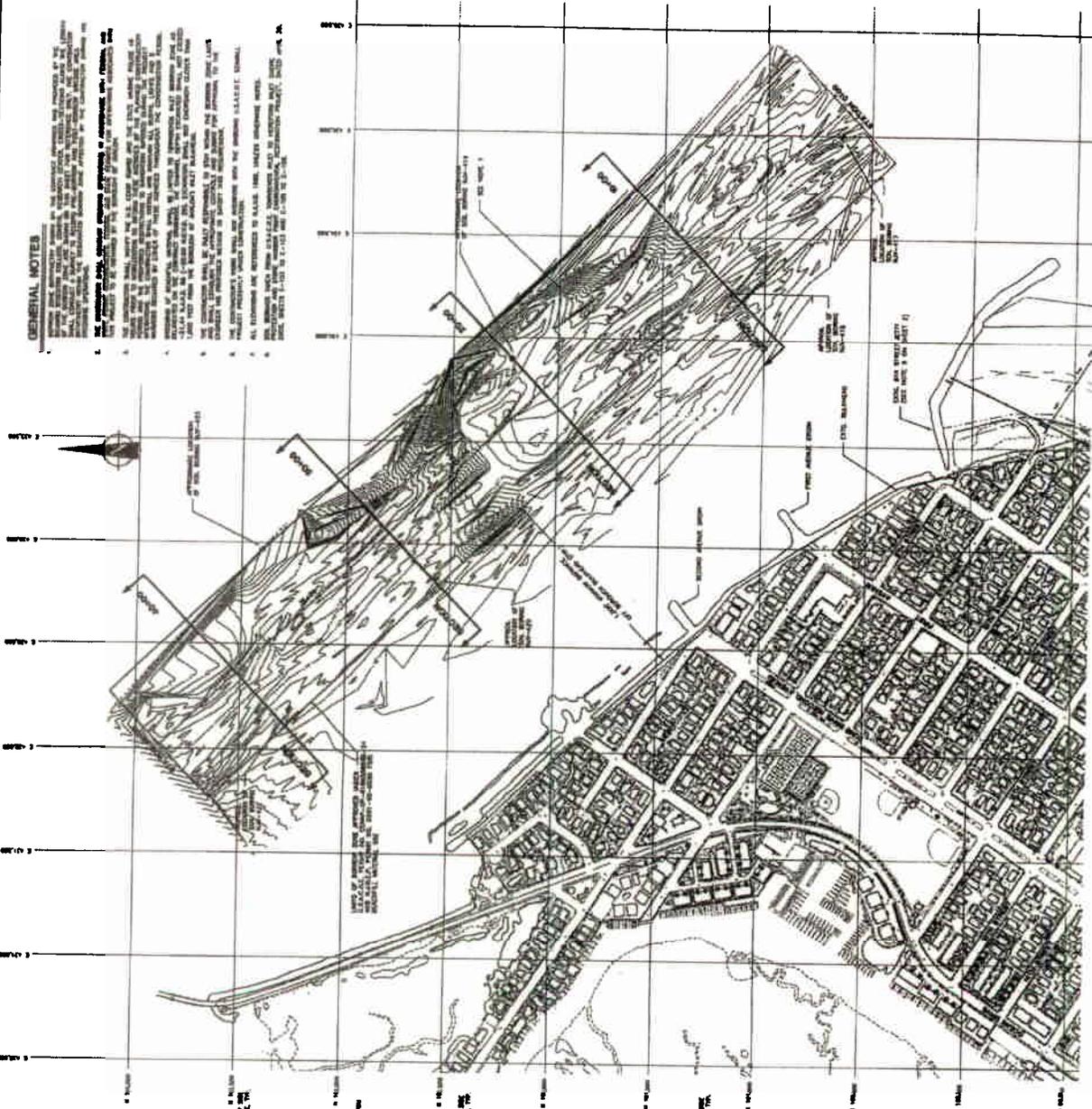
Drawn MAW	Checked MAW	Approved TRT	Date 12/01/05
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2007 EMERGENCY BEACH RENOVATION PROJECT
 LONG BEACH COUNTY, NEW JERSEY
 BOROUGH OF AVILAON

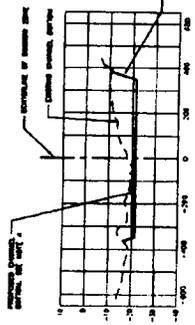
THOMAS R. THORNTON
 HATCH MOTT MACDONALD
 CIVIL ENGINEER & ARCHITECT
 1000 WEST 10TH AVENUE, SUITE 200
 DENVER, COLORADO 80202
 PHONE: 303.733.1000
 FAX: 303.733.1001
 WWW: HATCHMOTTMACDONALD.COM

GENERAL NOTES

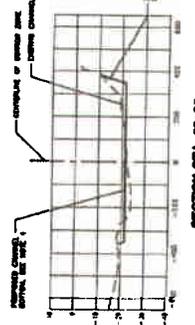
1. THE BORROW ZONE PLAN IS A PRELIMINARY PLAN. THE BORROW ZONE PLAN IS SUBJECT TO THE APPROVAL OF THE BOROUGH ENGINEER AND THE BOROUGH BOARD OF AVILAON. THE BORROW ZONE PLAN IS SUBJECT TO THE APPROVAL OF THE BOROUGH ENGINEER AND THE BOROUGH BOARD OF AVILAON.
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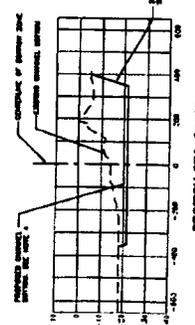
BORROW ZONE PLAN
 SCALE: 1" = 50'



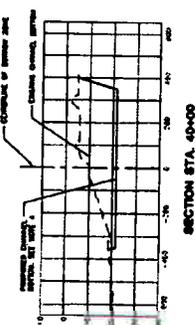
SECTION STA. 0+00



SECTION STA. 10+00



SECTION STA. 20+00



SECTION STA. 30+00

BORROW ZONE SECTIONS
 SCALE: 1" = 50'