CAPE COD CANAL & SANDWICH BEACHES

SHORE DAMAGE MITIGATION STUDY

APPENDIX I

PROJECT DRAWINGS

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A1 SITE PLAN (CCC EAST ENTRANCE)
SCALE: 1" = 200'

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MARK	DESCRIPTION	DATE

DESIGNED BY: ECR	ISSUE DATE: OCTOBER 2020
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SUBMITTED BY:	DRAWING CODE: CCC 11-18
SIZE: ANSI D	SCALE: 1" = 200'
	SHEET 1 OF 2

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
696 VIRGINIA ROAD
CONCORD, MA 01742-2751

NOT FOR CONSTRUCTION

SHORE DAMAGE PREVENTION STUDY
CAPE COD CANAL
MASSACHUSETTS

CAPE COD CANAL - EAST ENTRANCE
BEACH NOURISHMENT

SHEET ID
C-001

FEASABILITY STUDY



A1 SITE PLAN (TOWN NECK BEACH)
SCALE: 1" = 200'

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SHORE DAMAGE PREVENTION STUDY
CAPE COD CANAL
MASSACHUSETTS

TOWN NECK BEACH
BEACH NOURISHMENT

SHEET ID
C-002

FEASABILITY STUDY

LEGEND	
	PROJECT LIMIT FOR BEACH NOURISHMENT
	CONSTRUCTION STAGING AND STORAGE AREA
	TOWN OF SANDWICH EASEMENT AREA
	PRIVATE PROPERTY EASEMENT AREA
	TOWN NECK BEACH PUBLIC PARKING AREA
	BUILDING OR STRUCTURE
	PROPERTY LINE
	TOWN NECK BEACH LIMITS
	NHESP PRIORITY AND ESTIMATED HABITAT LIMIT
	PROPOSED DUNE AREA
	MEAN HIGH WATER
	MEAN LOW WATER
	CONTOUR LINE
93-012	MAP TITLE AND LOT NUMBER

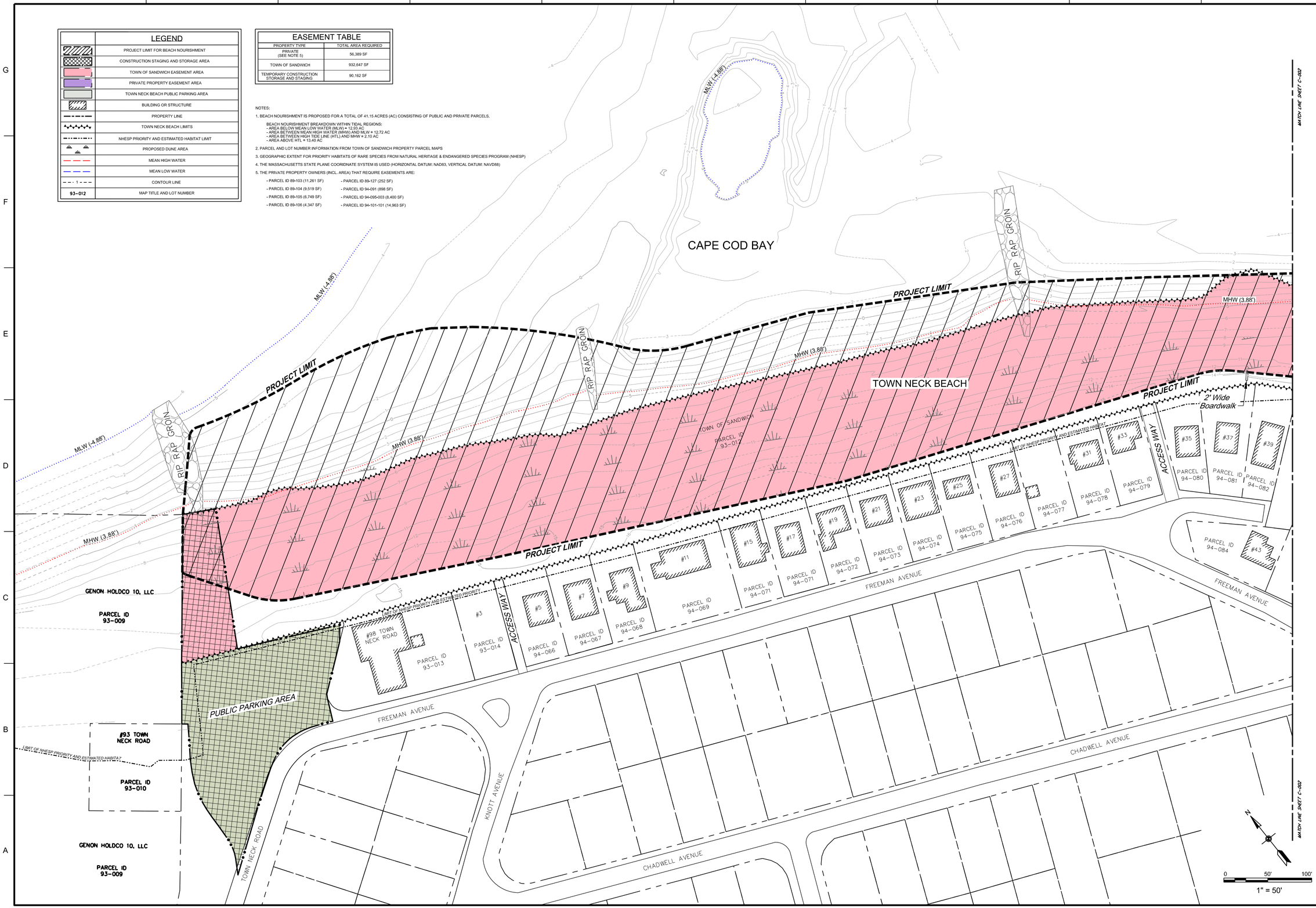
EASEMENT TABLE	
PROPERTY TYPE	TOTAL AREA REQUIRED
PRIVATE (SEE NOTE 5)	56,389 SF
TOWN OF SANDWICH	932,647 SF
TEMPORARY CONSTRUCTION STORAGE AND STAGING	90,162 SF

NOTES:

1. BEACH NOURISHMENT IS PROPOSED FOR A TOTAL OF 41.15 ACRES (AC) CONSISTING OF PUBLIC AND PRIVATE PARCELS.

   BEACH NOURISHMENT BREAKDOWN WITHIN TIDAL REGIONS:
   - AREA BELOW MEAN LOW WATER (MLW) = 12.93 AC
   - AREA BETWEEN MEAN HIGH WATER (MHW) AND MLW = 12.72 AC
   - AREA BETWEEN HIGH TIDE LINE (HTL) AND MHW = 2.10 AC
   - AREA ABOVE HTL = 13.40 AC

2. PARCEL AND LOT NUMBER INFORMATION FROM TOWN OF SANDWICH PROPERTY PARCEL MAPS
3. GEOGRAPHIC EXTENT FOR PRIORITY HABITATS OF RARE SPECIES FROM NATURAL HERITAGE & ENDANGERED SPECIES PROGRAM (NHESP)
4. THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM IS USED (HORIZONTAL DATUM: NAD83, VERTICAL DATUM: NAVD88)
5. THE PRIVATE PROPERTY OWNERS (INCL. AREA) THAT REQUIRE EASEMENTS ARE:
   - PARCEL ID 89-103 (11,261 SF)
   - PARCEL ID 89-104 (9,519 SF)
   - PARCEL ID 89-105 (6,749 SF)
   - PARCEL ID 89-106 (4,347 SF)
   - PARCEL ID 89-127 (252 SF)
   - PARCEL ID 94-091 (898 SF)
   - PARCEL ID 94-095-003 (8,400 SF)
   - PARCEL ID 94-101-101 (14,963 SF)



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SHORE DAMAGE PREVENTION STUDY
CAPE COD CANAL
MASSACHUSETTS

REAL ESTATE PLAN

SHEET ID

RE-001

FEASABILITY STUDY

LEGEND	
	PROJECT LIMIT FOR BEACH NOURISHMENT
	CONSTRUCTION STAGING AND STORAGE AREA
	TOWN OF SANDWICH EASEMENT AREA
	PRIVATE PROPERTY EASEMENT AREA
	TOWN NECK BEACH PUBLIC PARKING AREA
	BUILDING OR STRUCTURE
	PROPERTY LINE
	TOWN NECK BEACH LIMITS
	NHESP PRIORITY AND ESTIMATED HABITAT LIMIT
	PROPOSED DUNE AREA
	MEAN HIGH WATER
	MEAN LOW WATER
	CONTOUR LINE
93-012	MAP TITLE AND LOT NUMBER

EASEMENT TABLE	
PROPERTY TYPE	TOTAL AREA REQUIRED
PRIVATE (SEE NOTE 5)	56,389 SF
TOWN OF SANDWICH	932,647 SF
TEMPORARY CONSTRUCTION STORAGE AND STAGING	90,162 SF

NOTES:

1. BEACH NOURISHMENT IS PROPOSED FOR A TOTAL OF 41.15 ACRES (AC) CONSISTING OF PUBLIC AND PRIVATE PARCELS.
   BEACH NOURISHMENT BREAKDOWN WITHIN TIDAL REGIONS:
   - AREA BELOW MEAN LOW WATER (MLW) = 12.83 AC
   - AREA BETWEEN MEAN HIGH WATER (MHW) AND MLW = 12.72 AC
   - AREA BETWEEN HIGH TIDE LINE (HTL) AND MHW = 2.13 AC
   - AREA ABOVE HTL = 13.46 AC
2. PARCEL AND LOT NUMBER INFORMATION FROM TOWN OF SANDWICH PROPERTY PARCEL MAPS
3. GEOGRAPHIC EXTENT FOR PRIORITY HABITATS OF RARE SPECIES FROM NATURAL HERITAGE & ENDANGERED SPECIES PROGRAM (NHESP)
4. THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM IS USED (HORIZONTAL DATUM: NAD83, VERTICAL DATUM: NAVD88)
5. THE PRIVATE PROPERTY OWNERS (INCL. AREA) THAT REQUIRE EASEMENTS ARE;
   - PARCEL ID 89-103 (11,261 SF)
   - PARCEL ID 89-104 (9,519 SF)
   - PARCEL ID 89-105 (6,749 SF)
   - PARCEL ID 89-106 (4,347 SF)
   - PARCEL ID 89-127 (252 SF)
   - PARCEL ID 94-091 (898 SF)
   - PARCEL ID 94-095-003 (8,400 SF)
   - PARCEL ID 94-101-101 (14,963 SF)

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SHORE DAMAGE PREVENTION STUDY
CAPE COD CANAL
MASSACHUSETTS

REAL ESTATE PLAN

SHEET ID

RE-002

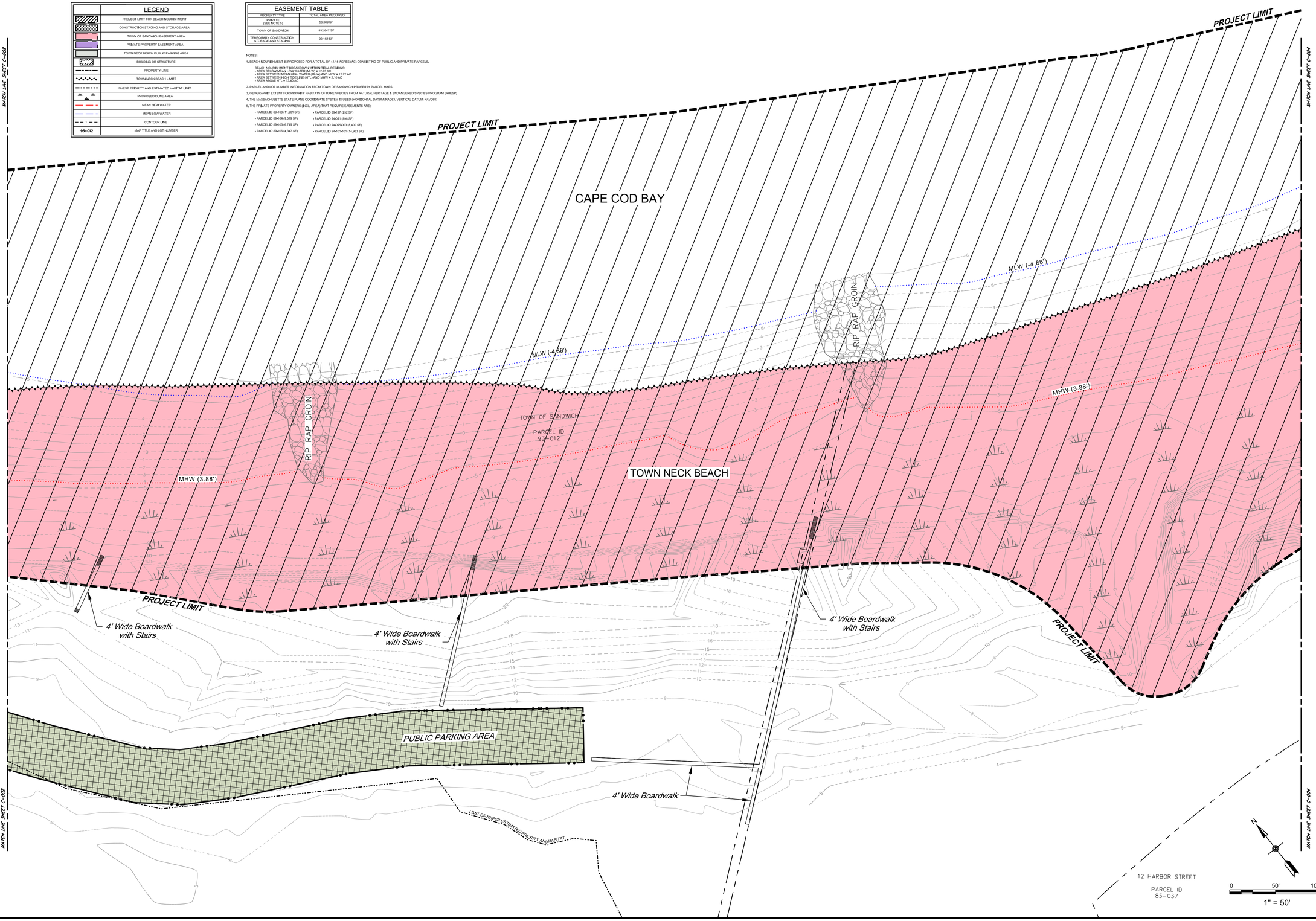
FEASABILITY STUDY

LEGEND	
	PROJECT LIMIT FOR BEACH NOURISHMENT
	CONSTRUCTION STAGING AND STORAGE AREA
	TOWN OF SANDWICH EASEMENT AREA
	PRIVATE PROPERTY EASEMENT AREA
	TOWN NECK BEACH PUBLIC PARKING AREA
	BUILDING OR STRUCTURE
	PROPERTY LINE
	TOWN NECK BEACH LIMITS
	NHESP PRIORITY AND ESTIMATED HABITAT LIMIT
	PROPOSED DUNE AREA
	MEAN HIGH WATER
	MEAN LOW WATER
	CONTOUR LINE
93-012	MAP TITLE AND LOT NUMBER

EASEMENT TABLE	
PROPERTY TYPE	TOTAL AREA REQUIRED
PRIVATE (SEE NOTE 5)	56,389 SF
TOWN OF SANDWICH	932,647 SF
TEMPORARY CONSTRUCTION, STORAGE AND STAGING	90,192 SF

NOTES:

1. BEACH NOURISHMENT IS PROPOSED FOR A TOTAL OF 41.15 ACRES (AC) CONSISTING OF PUBLIC AND PRIVATE PARCELS,
   BEACH NOURISHMENT BREAKDOWN WITHIN TIDAL REGIONS:
   - AREA BELOW MEAN LOW WATER (MLW) ▼ 12.65 AC
   - AREA BETWEEN MEAN HIGH WATER (MHW) AND MLW ▼ 12.72 AC
   - AREA BETWEEN MHW AND DUNE LINE (HTL) AND MHW ▼ 2.70 AC
   - AREA ABOVE HTL ▼ 13.08 AC
2. PARCEL AND LOT NUMBER INFORMATION FROM TOWN OF SANDWICH PROPERTY PARCEL MAPS
3. GEOGRAPHIC EXTENT FOR PRIORITY HABITATS OF RARE SPECIES FROM NATURAL HERITAGE & ENDANGERED SPECIES PROGRAM (NHESP)
4. THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM IS USED (HORIZONTAL DATUM: NAD83, VERTICAL DATUM: NAVD88)
5. THE PRIVATE PROPERTY OWNERS (INCL. AREA) THAT REQUIRE EASEMENTS ARE;
   - PARCEL ID 89-133 (11,261 SF)
   - PARCEL ID 89-104 (9,519 SF)
   - PARCEL ID 89-105 (8,749 SF)
   - PARCEL ID 89-106 (4,347 SF)
   - PARCEL ID 89-127 (252 SF)
   - PARCEL ID 94-091 (898 SF)
   - PARCEL ID 94-095-003 (5,400 SF)
   - PARCEL ID 94-101-101 (14,963 SF)



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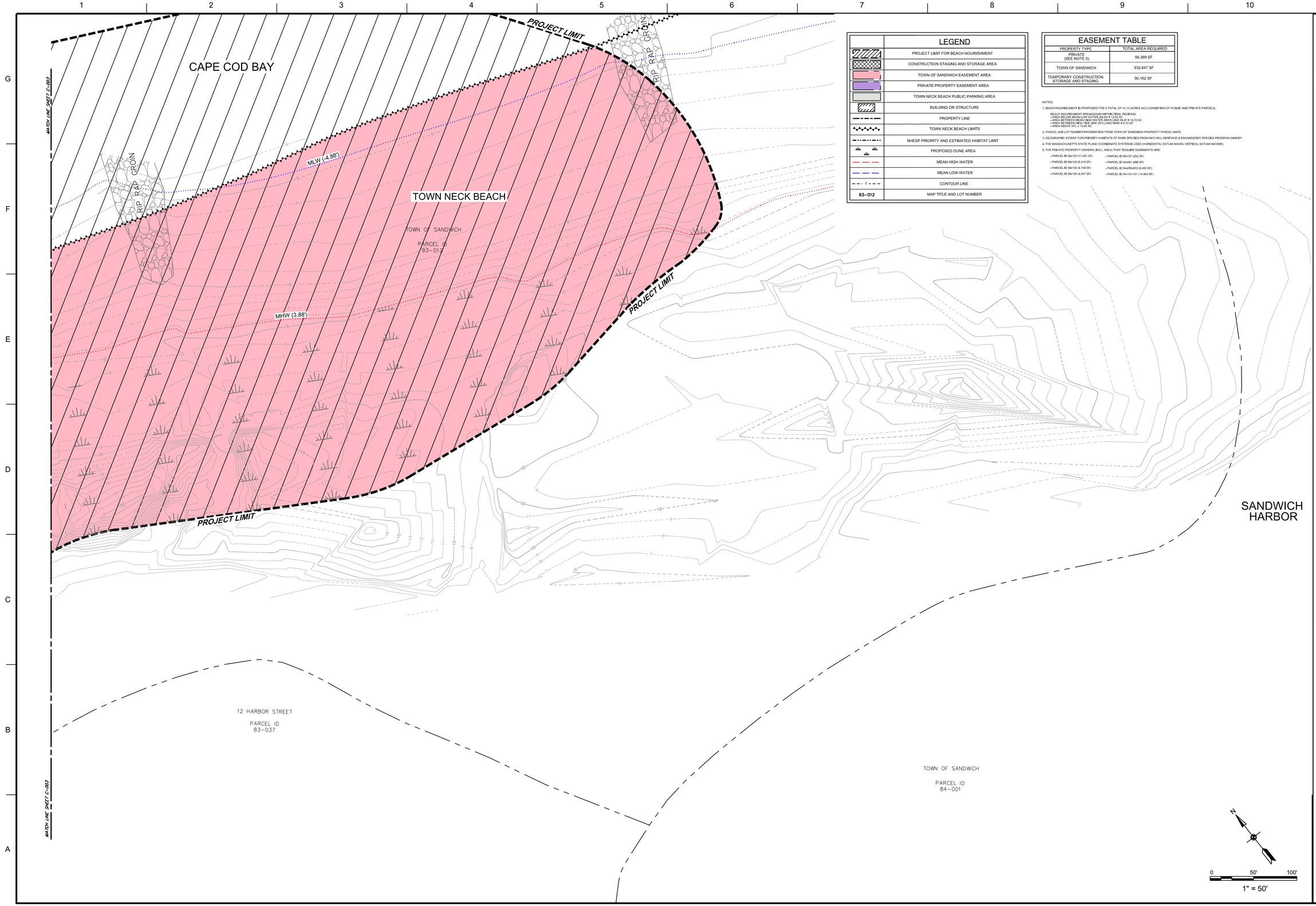
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SHORE DAMAGE PREVENTION STUDY
CAPE COD CANAL
MASSACHUSETTS

REAL ESTATE PLAN

SHEET ID

RE-003



LEGEND	
	PROJECT LIMIT FOR BEACH NOURISHMENT
	CONSTRUCTION STAGING AND STORAGE AREA
	TOWN OF SANDWICH EASEMENT AREA
	PRIVATE PROPERTY EASEMENT AREA
	TOWN NECK BEACH PUBLIC PARKING AREA
	BUILDING OR STRUCTURE
	PROPERTY LINE
	TOWN NECK BEACH LIMITS
	NHESP PRIORITY AND ESTIMATED HABITAT LIMIT
	PROPOSED DUNE AREA
	MEAN HIGH WATER
	MEAN LOW WATER
	CONTOUR LINE
93-012	MAP TITLE AND LOT NUMBER

EASEMENT TABLE	
PROPERTY TYPE	TOTAL AREA REQUIRED
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TOWN OF SANDWICH	932,647 SF
TEMPORARY CONSTRUCTION STORAGE AND STAGING	90,162 SF

NOTES:

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2. PARCEL AND LOT NUMBER INFORMATION FROM TOWN OF SANDWICH PROPERTY PARCEL MAPS
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4. THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM IS USED (HORIZONTAL DATUM: NAD83, VERTICAL DATUM: NAVD88)
5. THE PRIVATE PROPERTY OWNERS (INCL. AREA) THAT REQUIRE EASEMENTS ARE:
   - PARCEL ID 89-102 (11,261 SF)
   - PARCEL ID 89-104 (5,519 SF)
   - PARCEL ID 89-105 (5,749 SF)
   - PARCEL ID 89-106 (4,347 SF)
   - PARCEL ID 89-127 (252 SF)
   - PARCEL ID 94-291 (856 SF)
   - PARCEL ID 94-295-003 (8,400 SF)
   - PARCEL ID 94-101-101 (14,963 SF)

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SHEET ID

RE-004

FEASABILITY STUDY