

VICINITY MAP
SCALE: N.T.S.

USACE INTRACOASTAL WATERWAY SETBACK

SNOWS CUT
INTRACOASTAL WATERWAY
1000' RIGHT-OF-WAY

U.S. ARMY
CORPS OF
ENGINEERS

EXIST. STONE REVETMENT
MEAN LOW WATER
MEAN HIGH WATER
APPROX. MEAN HIGH WATER
EXTEND EXIST. TIMBER BULKHEAD 9'± - SEE SHT. C2.7
APPROX. 30' CAMA BUFFER
REPAIR TIMBER BULKHEAD AT CORNER
REFURBISH EXIST. TIMBER BULKHEAD
EXIST. GRASS AREA
30' CAMA BUFFER
NORMAL HIGH WATER
PROPOSED LANDSCAPE AREA
NEW PUBLIC FISHING AREA (10' BOARDWALK W/ GUARDRAIL) - SEE SHT. C2.7
REFURBISH EXIST. TIMBER BULKHEAD
EXIST. STONE REVETMENT
EXIST. GRASS AREA
PROPOSED LANDSCAPE AREA
NORMAL HIGH WATER
PROPOSED BULKHEAD SEE SHT. C2.5 (BY OWNER)
EXIST. BULKHEAD
WOODED AREA
TREE LINE
FUTURE DMF SHELL STORAGE AREA
75' AEC LINE
APPROX. 75' AEC LINE
EXIST. TREES TO REMAIN
EXIST. FENCE
ASPHALT PAVING PARKING LOT
115'±
488'
97.2'
PROPOSED CAST-IN-PLACE CONC. RAMP & CONC. APRON - SEE SHT. C2.4 (BY OWNER)
SLOPE - SEE SHT. C2.4
75' CLEAR
PROPOSED 6' WIDE FIXED DOCK - SEE SHT. C2.5 (BY OWNER)
87.8'
GROUND-OUT FLOATING DOCK (BY OWNER)
33' SLAB
30' CLEAR
45' CLEAR
96.2'
DREDGE AREA TO -6.0 MLW (-8.5 NAVD88) - SEE SHT. C2.8
MAKE-READY LANE
EXIST. DRIVEWAY
INTRACOASTAL WATERWAY R.O.W.
USACE MONUMENT N: 113256.0686 E: 2335008.5386
ANNIE DRIVE
(PAVED)
EXIST. WOODEN POST AND CABLE FENCE (TYP.)
USACE MONUMENT N: 113414.2243 E: 2335419.8495
75' AEC LINE
30' CAMA BUFFER
NORMAL HIGH WATER LINE AS FLAGGED BY DCM 5/29/08
PROPOSED CAST-IN-PLACE CONC. PUSH SLAB RAMP - SEE SHT. C2.4 (BY OWNER)
PROPOSED BULKHEAD - SEE SHT. C2.5
MHW
MLW
COASTAL WETLAND LINE AS FLAGGED BY DCM 5/29/08
INTRACOASTAL WATERWAY R.O.W.

FOR ENLARGED BOAT LAUNCH, SEE SHT. C2.4 (BY OWNER)

FOR ENLARGED DREDGE AREA, SEE SHT. C2.8

SITE PLAN

GRAPHIC SCALE
40 0 20 40
(IN FEET)
1 inch = 40 ft.

EXISTING BUA = 125,532 SF (2.88 ACRES)
BUA TO BE REMOVED = 23,043 SF (0.53 ACRES)

LEGEND

- DREDGE AREA
- PAVEMENT
- EXISTING LANDSCAPE AREA
- PROPOSED LANDSCAPE AREA
- WETLANDS AREA
- ACCESSIBLE PARKING SPACE
- SIGN
- PILING
- FENCE LINE
- PROPERTY LINE
- NON-SURVEYED LINE
- EASEMENT LINE
- MEAN HIGH WATER LINE (1.26' NAVD88)
- MEAN LOW WATER LINE (-2.48' NAVD88)
- HIGH WATER LINE, AS FLAGGED BY DCM 5/29/08
- COASTAL WETLAND LINE, AS FLAGGED BY DCM 5/29/08
- 30' CAMA BUFFER
- 75' AEC LINE
- PROPOSED FENCE
- R.O.W. RIGHT OF WAY

EXISTING PARKING COUNT	
TRAILER	81
TRAILER ACCESSIBLE	5
TOTAL TRAILER	86
CAR	30
CAR ACCESSIBLE	
TOTAL CAR	30

PROPOSED PARKING COUNT	
TRAILER	92
TRAILER ACCESSIBLE	4
TOTAL TRAILER	96
CAR	29
CAR ACCESSIBLE	2
TOTAL CAR	31

PROPOSED IMPERVIOUS SURFACE (ABOVE MHW)	100,121 SF
EXISTING IMPERVIOUS SURFACE (ABOVE MHW)	125,532 SF
PROPOSED LANDSCAPING	11,277 SF

DISTURBED AREA = 3.55 ACRES

GENERAL NOTES:

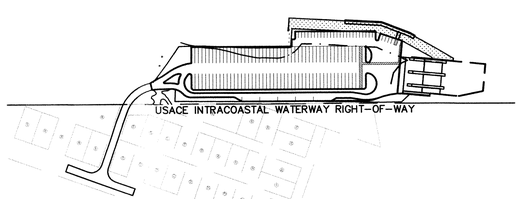
1. TOPOGRAPHY AND BOUNDARY SURVEY PROVIDED BY ROBERT H. GOSLEE & ASSOCIATES, PA
2. HYDROGRAPHIC SURVEY PERFORMED BY GAHAGAN & BRYANT ASSOCIATES IN JUNE 2007 AND REPRESENT CONDITIONS AT THAT TIME.
3. HORIZONTAL DATUM: NORTH CAROLINA STATE PLANE NAD83
4. VERTICAL DATUM: NORTH AMERICA VERTICAL DATUM 1988 (NAVD88)

DATUM CONVERSIONS

	MEAN HIGH WATER
	1.26 ft
	NAVD 1988
	0.94 ft
2.48' ft	NGVD 1929
	1.54 ft
	MEAN LOW WATER

5. SEE SHEET C0.1 FOR ADDITIONAL NOTES.
6. FOR THIS SITE, THE ELEVATIONS OF THE NORMAL HIGH WATERLINE (NHW) FLAGGED LOCATIONS WERE AVERAGED, AND THE RESULTANT ELEVATION DETERMINED TO BE EQUAL TO THE MEAN HIGH WATER (MHW) ELEVATION. THEREFORE, FOR THIS SITE, THE NHW ELEVATION EQUALS THE MHW ELEVATION (+1.26 FT. NAVD88). BASED ON ESTABLISHED TIDAL RANGE AT THIS LOCATION, MEAN LOW WATER (MLW) DEPTHS ARE ALSO EQUAL TO NORMAL LOW WATER (NLW) DEPTHS.

USACE INTRACOASTAL WATERWAY SETBACK



USACE SETBACK LOCATION PLAN
SCALE: 1" = 200'

REVISIONS		
DATE	NO.	COMMENTS
3/9/09	1	PER CAMA COMMENTS
5/1/09	2	PER DENR STORMWATER

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Division of Engineering Services

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PROJECT:
NC Wildlife Resources Commission
Boating Access Area Improvements
LOCATION:
CAROLINA BEACH
NEW HANOVER COUNTY
CAROLINA BEACH, NORTH CAROLINA

SEAL
NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT SEAL 24419 MARK T. ARCURI
May 1, 2009

DESIGNED BY:	RAW
DRAWN BY:	HWL
QUALITY CONTROL:	MTA
SCALE:	NOTED
FILE NUMBER:	5818
DATE:	03-2-09

SITE IMPROVEMENT PLAN
CAROLINA BEACH

SHEET NUMBER:
C2.1
OF