

GENERAL NOTES :

- Notwithstanding the estimated access path illustrated herein, the access path may be adjusted in the field by the contractor so as to minimize damage to existing trees and plantings.
- Flood Zone Elevations : Zone VE El. 11.0 ; Zone AE El. 9.0.

FILLING NOTES :

- No dredging is proposed.
- Filling behind proposed bulkhead to approximately 12' landward of proposed bulkhead is estimated at 5 cubic yards. Fill shall be compacted to 95% density in 12" to 18" lifts max.
- Fill shall be clean medium to coarse sand from a local source.
- Fill shall be placed with a backhoe.
- 12' landward of proposed bulkhead is landward limit of proposed fill. Landward face of proposed bulkhead is seaward limit of proposed fill.

BULKHEAD NOTES :

- All hardware shall be hot dipped galvanized.
- All sheeting shall be ShoreGuard 50-425 vinyl sheet pile (18' sheets) by Crane Materials International or approved equal.
- All walers and piles shall be Greenheart Wood or approved equal.
- All piles shall be 9" butt size and bonded with stainless steel bands to prevent splitting.
- Fender piles shall be 25' long.
- Returns shall be supported with 3/4" tie rods, 12' long to conventional 10" vertical deadman piles, 10' long.

TOP ARMOR NOTES :

- Armor Blocks landward of bulkhead shall be Armor Flex 40 open cell by Contech Construction Products Inc.
- Installation of cables is optional and is used to facilitate installation of multiple blocks.
- Armor Blocks shall be installed on compacted fill.
- Armor Blocks shall be installed over a geotextile. Geotextile shall be: Geotex 801 nonwoven by Proper/Contech or equal.
- Armor Blocks shall be planted per Planting Notes.
- Armor Blocks shall be installed to elevation [11.5] which is above the VE flood elevation of 11.0.

BASE ARMOR NOTES :

- Base Armor shall consist of angular stone, placed on geotextile.
- Average stone weight: w=490 lb. Weight range from 0.75w (368 lb.) to 1.25w (612 lb.).
- Place stone in layers varying in height from 3' to 4'.
- Place stone on Mifflin PWT00 (formerly 7000) geotextile. (available from Epic Sales, Cold Spring Harbor, NY (631) 692-6704)
- Stone size based on design wave height of 4.1', based on fetch of 17,000'; wind speed of 90 MPH; bay depth of 8' near bulkhead with storm surge at high tide.

PLANTING NOTES :

- In areas where existing slope is eroded or sparsely vegetated it shall be restored, stabilized and planted with Cape American Beach Grass at 2 plugs per hole at 12" o.c., cross slope and down slope.
- Planting areas shall be stabilized with Erosion Jute Matting prior to planting. Matting shall be stapled to slope using 6" ground staples at 18" to 24" o.c..
- In areas with Armor Flex Blocks, plant each open cell (2 per block) with Cape American Beach Grass, 1 (bare root) plug at each open cell. Punch hole at each open cell of Armor Flex Block to accept bare root beach grass plug.

LYNN AVE.

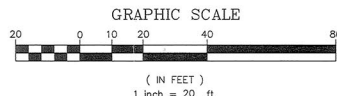
R=40.07'
L=62.38'

R=515.00'
L=59.62'

CORMORANT DR.
(50' width)

S.C.T.M.# 0900-289-03-11
N/E
KENNETH & DANA KINGSLEY

S.C.T.M.# 0900-270-04-18
N/E
KATHLEEN A. BUCKLEY
2007 PERSONAL RESIDENCE TRUST



LEGEND :

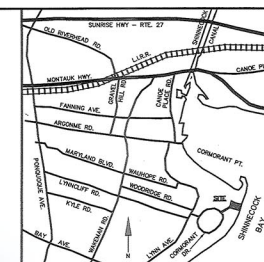
- EX - EXISTING
- FE - FENCE
- TS - TOP OF STEP
- BS - BOTTOM OF STEP
- TW - TOP OF WALL
- BW - BOTTOM OF WALL
- TB - TOP OF BULKHEAD
- ① - PICTURE # AND DIRECTION OF VIEW

SURVEY NOTES :

EXISTING SURVEY PREPARED BY VOLLMUTH & BRUSH, LAND SURVEYORS, ON 03/21/02, UPDATED 10/27/11.

HIGH WATER LINE ELEVATION (+2.87') TAKEN ALONG FACE OF BULKHEAD BY VOLLMUTH & BRUSH, LAND SURVEYORS, ON 10/27/11.

LOW WATER LINE ELEVATION (-0.16') TAKEN BY VOLLMUTH & BRUSH, LAND SURVEYORS, ON 11/04/11.



KEY MAP
1" = 3000'

SHINNECOCK BAY

SHINNECOCK BAY

DATUM : N.G.V.D. , 1929
LOT AREA : 54,814.57 sq.ft.
1.26 acres

SUFFOLK COUNTY TAX MAP No.			
DIST. 900	SECT. 269	BLK. 03	LOT 12
PROJECT : YASSER RESIDENCE BULKHEAD 27 CORMORANT DRIVE HAMPTON BAYS, N.Y. 11946			
OWNER : JAMES M. & ARLENE D. YASSER 27 CORMORANT DRIVE HAMPTON BAYS, N.Y. 11946			
TITLE : BULKHEAD IMPROVEMENT PLAN OVERALL SITE PLAN			
VOLLMUTH & BRUSH ENVIRONMENTAL ENGINEERING & LAND SURVEYING 200 BLUE POINT AVE., BLUE POINT, N.Y. 11715 LI. (631) 363 - 2683 FAX (631) 363 - 2062 N.Y.C. (212) 775 - 0988			
DATE : 12/16/11	N.Y.S. Lic. No. 70056	REVISIONS	
SCALE : 1"=20'		DATE ARMOR 10/16/12	
JOB NO. : 03026			
CAD ID : 03026-SP6			
EMAIL : ken@vollmuth.com			
DESIGNED BY :			
DRAWN BY : JCF/FAS			
KENNETH S. LINDAUER, P.E.		DRAWING NUMBER 1 of 2	