

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: NAN-2011-01244-EST
Issue Date: December 20, 2012
Expiration Date: January 19, 2013

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 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344).

APPLICANT: Suffolk County Department of Public Works
335 Yaphank Avenue
Yaphank, NY 11980

ACTIVITY: CR35 Mill Dam Road reconstruction.

WATERWAY: Huntington Harbor

LOCATION: Town of Huntington, Suffolk County, New York

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 collect information

PLEASE USE THE 18-CHARACTER FILE NUMBER ON ALL CORRESPONDENCE

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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 agencies to determine the presence of and potential impacts to listed species in the project area or their critical habitat.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act (Public Law 104-267), requires all Federal agencies to consult with the National Oceanic and Atmospheric Administration Fisheries Service (NOAA/FS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed work, fully described in the attached work description, could cause the disruption of habitat for various lifestages of some EFH-designated species as a result of a temporary increase in turbidity during construction. However, the New York District has made the preliminary determination that the site-specific adverse effects are not likely to be substantial due to time of year work restrictions. Further consultation with NOAA/FS regarding EFH impacts and conservation recommendations being conducted and will be concluded prior to the final decision.

Based upon a review of the latest published version of the National Register of Historic Places, there are no known sites eligible for, or included in, the Register within the permit area. Presently unknown archeological, scientific, prehistorical, or historical data may be lost by work accomplished under the required permit.

Reviews 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 and the applicant will obtain a water quality certificate or waiver from the appropriate state agency in accordance with Section 401 of the Clean Water Act prior to a permit 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. New York State Department of State has concurred with the applicant's certification. For activities within the coastal zone of New York State, the applicant's certification and accompanying information is available from the Consistency Coordinator, New York State Department of State, Division of Coastal Resources and Waterfront Revitalization, Coastal Zone Management Program, One Commerce Plaza, 99 Washington Avenue, Albany, New York 12231, Telephone (518) 474-6000. Comments regarding the applicant's certification, and copies of any letters to this office commenting upon this proposal, should be so addressed.

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

- New York State Department of Environmental Conservation

In order for us to better serve you, please complete our Customer Service Survey located at: <http://per2.nwp.usace.army.mil/survey.html>

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) 790-8533 and ask for Leo Strogach.

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



Jodi M. McDonald
Chief, Regulatory Branch

Enclosures

WORK DESCRIPTION

The applicant, Suffolk County Department of Public Works, has requested Department of the Army authorization for CR35 Mill Dam Road reconstruction in and along the Huntington Harbor, in the Town of Huntington, Suffolk County, New York.

The work would involve reconstruction of the existing dilapidated seawall which protects CR35 Mill Dam Road as follows:

1. Segment A, Stations 1+42.76 through 3+68.12: Removal of the existing 226-foot-long retaining wall and its replacement with a 226-foot-long bulkhead installed 2 feet inland of the existing structure; 111 cubic yards of material would be excavated behind the existing retaining wall with 12 cubic yards to be excavated below mean low water (MLW) elevation; 70 cubic yards of bedding stone would be placed in front of the bulkhead with 9 cubic yards to be placed below spring high water (SHW) elevation together with a 10 cubic yards of compacted granular fill (0.4 cubic yards would be placed below SHW elevation); 1.25 cubic yards of concrete would be placed in the channel connecting the new bulkhead with the west side of the Town Dock (0.48 cubic yards would be placed below SHW elevation); installation of a 17-foot-long return.
2. Segment B, Stations 3+93.81 through 5+43.13: Construction of a 149-foot-long bulkhead 10 feet seaward of the existing retaining wall with placement of 75 cubic yards of compacted granular fill behind the new structure (11 cubic yards would be placed below SHW elevation).
3. Segment C, Stations 5+43.13 through 6+40.72: Construction of a 98-foot-long bulkhead 17 feet seaward of the existing retaining wall with placement of 208 cubic yards of compacted granular fill behind the new structure (64 cubic yards would be placed below SHW elevation) and placement of 108 cubic yards of bedding stone in front of the bulkhead (87 cubic yards would be placed below SHW elevation); 1.25 cubic yards of concrete would be placed in the channel connecting the new bulkhead with the east side of the Town Dock (0.48 cubic yards would be placed below SHW elevation); installation of a 26-foot-long return.
4. Segment D, Stations 7+93.74 through 9+31.88: Construction of a new segmented interlocking precast concrete retaining wall consisting of a 42-foot-long, a 140-foot-long, and a 40-foot-long sections installed between 6 to 11 feet seaward of the existing retaining wall by placing of an 85 cubic yards of 12-inch base crushed stone below SHW, a 179 cubic yards of 12-inch leveling pad crushed stone (105 cubic yards below SHW elevation), a 223 cubic yards of precast concrete retaining wall stone (120 cubic yards below SHW elevation), a 556 cubic yards of crushed dense graded aggregate (170 cubic yards below SHW elevation), and a 170 cubic yards of rip-rap below SHW elevation.

The total volume of new fill proposed to be placed below SHW would be 822 CY over 611 linear feet of the proposed seawall project.

The no-build alternative is not feasible as failure of the seawall negatively impacts the traveling public. The seawall alignment, its orientation, materials and constructability have been designed to satisfy unique physical conditions of the site and the specific requirements and restraints of the regulatory agencies and of other public and private stake-holders. No other feasible option to build the seawall satisfies all of these conditions.

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The applicant has stated that they have avoided, minimized, and mitigated for impacts proposed to the maximum extent practicable by: limiting construction to the smallest area practicable; utilized existing structures and limiting the volume of fill placed below SHW elevation.

The stated purpose of this project is to rebuild, protect and rehabilitate existing shoreline.

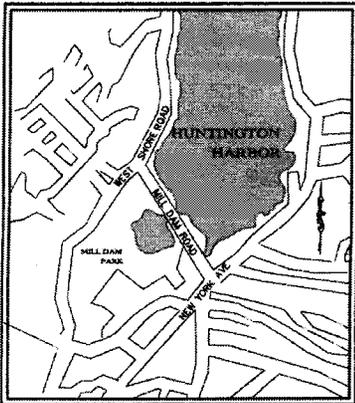
REHABILITATION OF CR 35 MILL DAM ROAD BULKHEAD AND SHORELINE IMPROVEMENTS TOWN OF HUNTINGTON

SUFFOLK COUNTY, NEW YORK

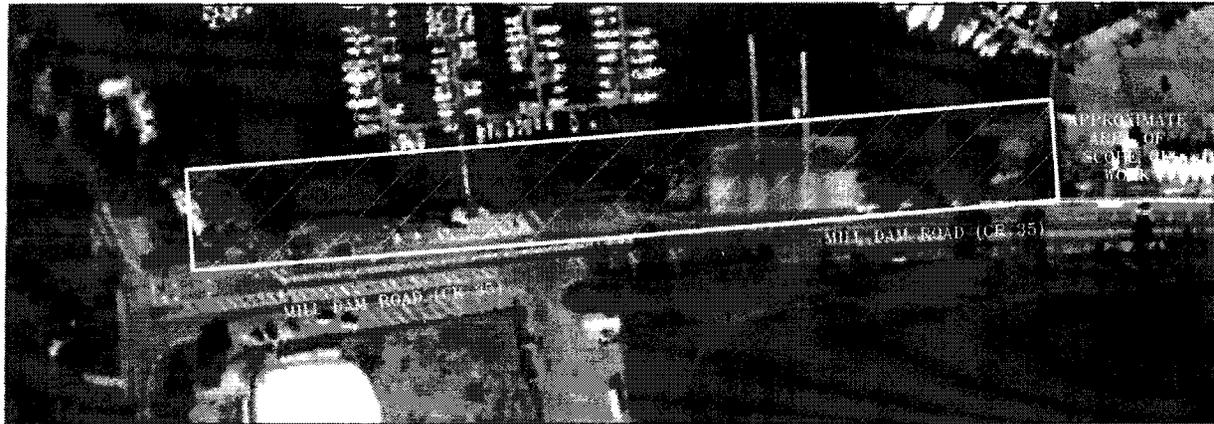
CAPITAL PROJECT 5375

LEGEND:

- MLW MEAN LOW WATER
 - MHW MEAN HIGH WATER
 - SHW SPRING HIGH WATER
 - EXISTING LOCATION OF MLW TO REMAIN
 - - - - - PROPOSED SHW AFTER PROPOSED CONSTRUCTION
 - - - - - PROPOSED MHW AFTER PROPOSED CONSTRUCTION
 - STATIONS ON BASELINE, ESTABLISHED GRAPHICALLY USING COORDINATES SHOWN ON RECORD PLANS: SCOPW "REMEDIATION OF HIGHWAY STORMWATER DISCHARGE TO HUNTINGTON HARBOR", PROJECT NO. 8233/8240, FEBRUARY 2007.
 - △ BENCHMARK, ESTABLISHED GRAPHICALLY USING COORDINATES SHOWN ON RECORD PLANS: SCOPW "REMEDIATION OF HIGHWAY STORMWATER DISCHARGE TO HUNTINGTON HARBOR", PROJECT NO. 8233/8240, FEBRUARY 2007, SHEET 3 OF 13.
 - SECTION INTERSECTION ON BASELINE
- (SEE SURVEY FOR DATUM AND ELEVATION INFORMATION)



KEY MAP



INDEX OF DRAWINGS

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- 2 EXISTING CONDITIONS
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- 6 PROPOSED TYPICAL SECTION AT SHORELINE (SECTION S4) STEEL SHEET PILE BULKHEAD
- 7 PROPOSED TYPICAL SECTION AT SHORELINE (SECTION S6) STEEL SHEET PILE BULKHEAD
- 8 PROPOSED TYPICAL SECTION AT PARK WALL (SECTION W1) SEGMENTED CONCRETE BLOCK RETAINING WALL
- 9 PROPOSED TYPICAL SECTION AT SHORELINE (SECTION S7) NO CHANGE
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- 11 RETAINING WALL DETAILS 2 OF 2
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FST ENGINEERS, INC.
ENGINEERS • PLANNERS • SCIENTISTS • LANDSCAPE ARCHITECTS
834 BRUSHMELLOW ROAD, SUITE 206 • MELVILLE, NEW YORK 11747
TEL: 609 768-6888 • FAX: 609 768-8244
NEW YORK STATE PROFESSIONAL ENGINEER LICENSE NO. 20

COUNTY OF SUFFOLK DEPARTMENT OF PUBLIC WORKS YAPHANK, NEW YORK			
GILBERT ANDERSON, P.E., COMMISSIONER			
CR 35 MILL DAM ROAD WATERFRONT REHABILITATION PROJECT TOWN OF HUNTINGTON, SUFFOLK COUNTY, N.Y.			
TITLE SHEET			
PROJECT NO.	SCALE	REVISED	SHEET 1 OF 12
TN-N001	NTS	10-16-12	

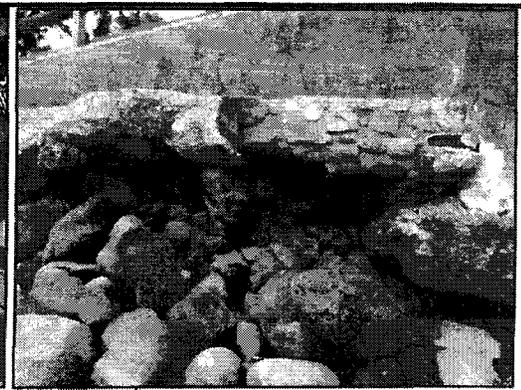
APP/2011-01241-ESA



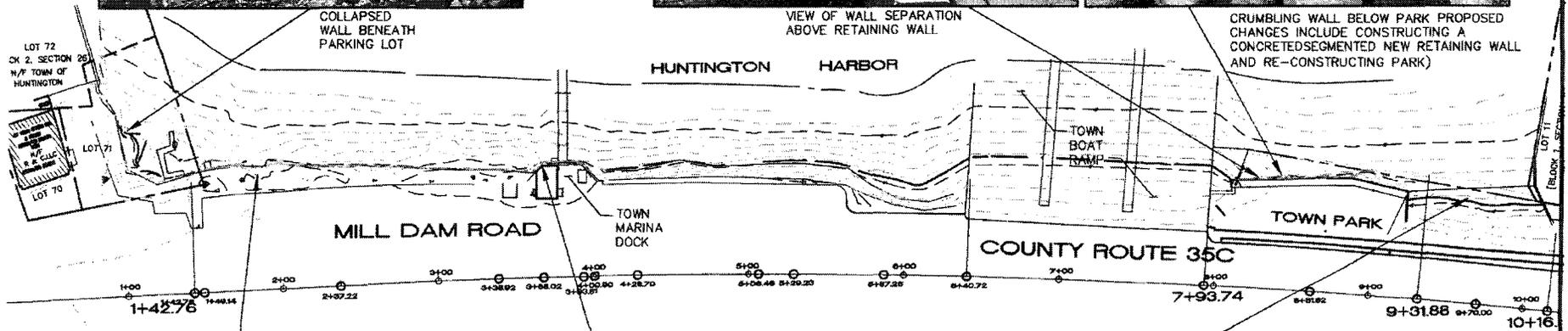
COLLAPSED WALL BENEATH PARKING LOT



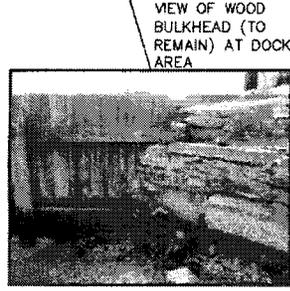
VIEW OF WALL SEPARATION ABOVE RETAINING WALL



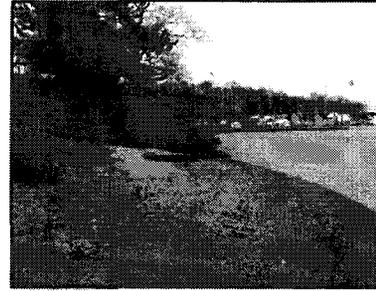
CRUMBLING WALL BELOW PARK PROPOSED CHANGES INCLUDE CONSTRUCTING A CONCRETE SEGMENTED NEW RETAINING WALL AND RE-CONSTRUCTING PARK



VIEW OF COLLAPSED SLAB WALL (CHANGES PLANNED FOR THE ENTIRE SEGMENT A INCLUDE REMOVING EXISTING WALL AND INSTALLING A NEW STEEL VERTICAL SHEET PILE BULKHEAD)



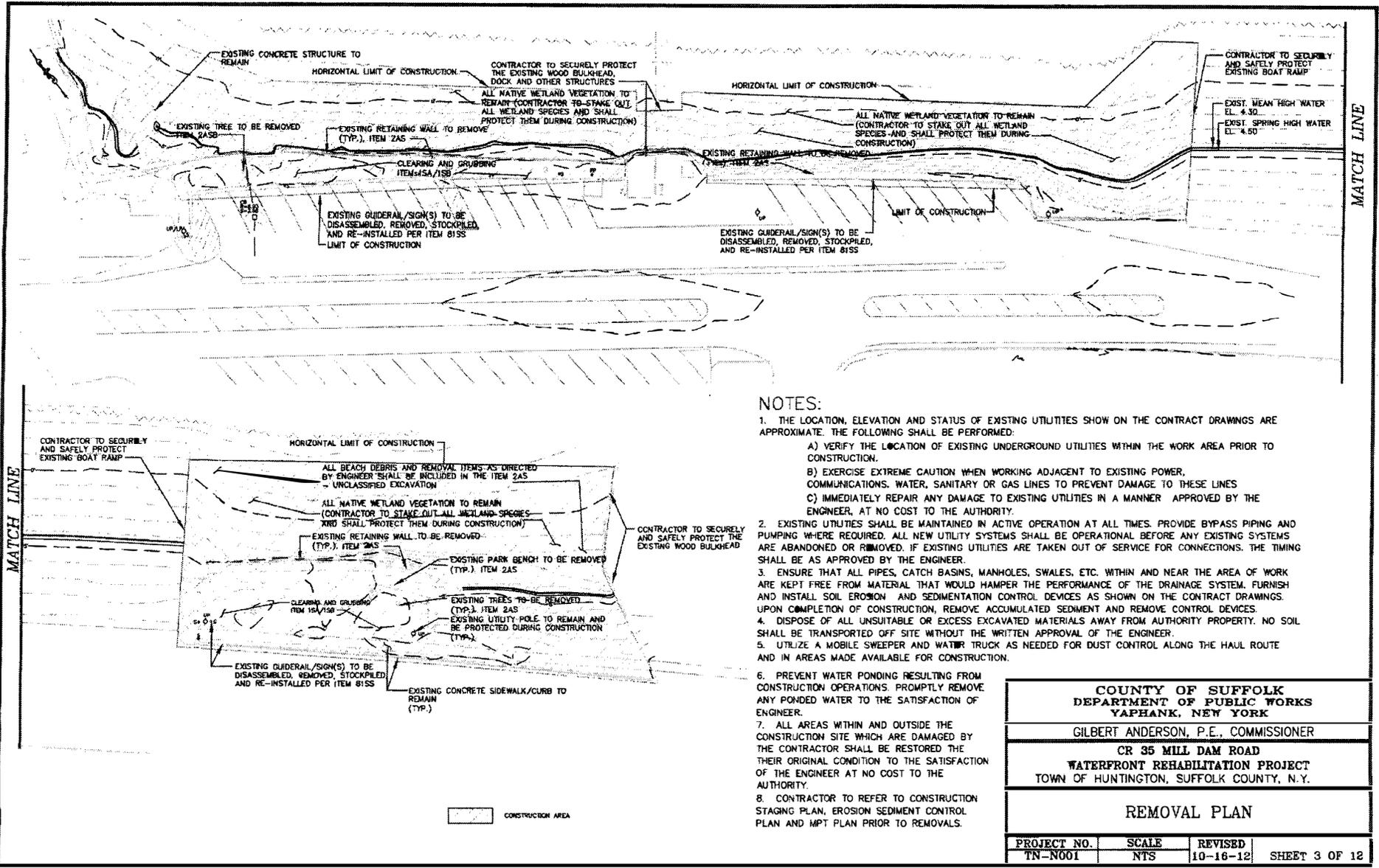
VIEW OF WOOD BULKHEAD (TO REMAIN) AT DOCK AREA



VIEW OF BEACH AREA EAST OF PARK (NO CHANGES PLANNED FOR THIS AREA EXCEPT CLEANING AND GRUBBING BEACH)

COUNTY OF SUFFOLK DEPARTMENT OF PUBLIC WORKS YAPHANK, NEW YORK			
GILBERT ANDERSON, P.E., COMMISSIONER			
CR 35 MILL DAM ROAD WATERFRONT REHABILITATION PROJECT TOWN OF HUNTINGTON, SUFFOLK COUNTY, N.Y.			
EXISTING CONDITIONS			
PROJECT NO. TN-N001	SCALE NTS	REVISED 10-16-12	SHEET 2 OF 12

Ampl # 2011-01244-EST



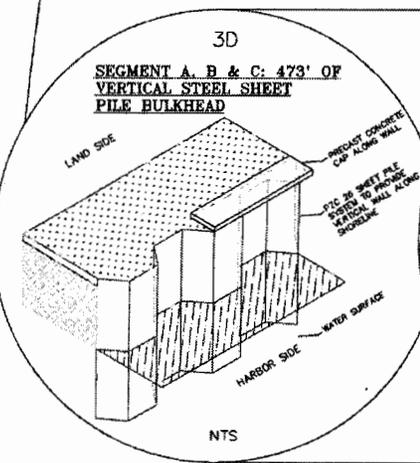
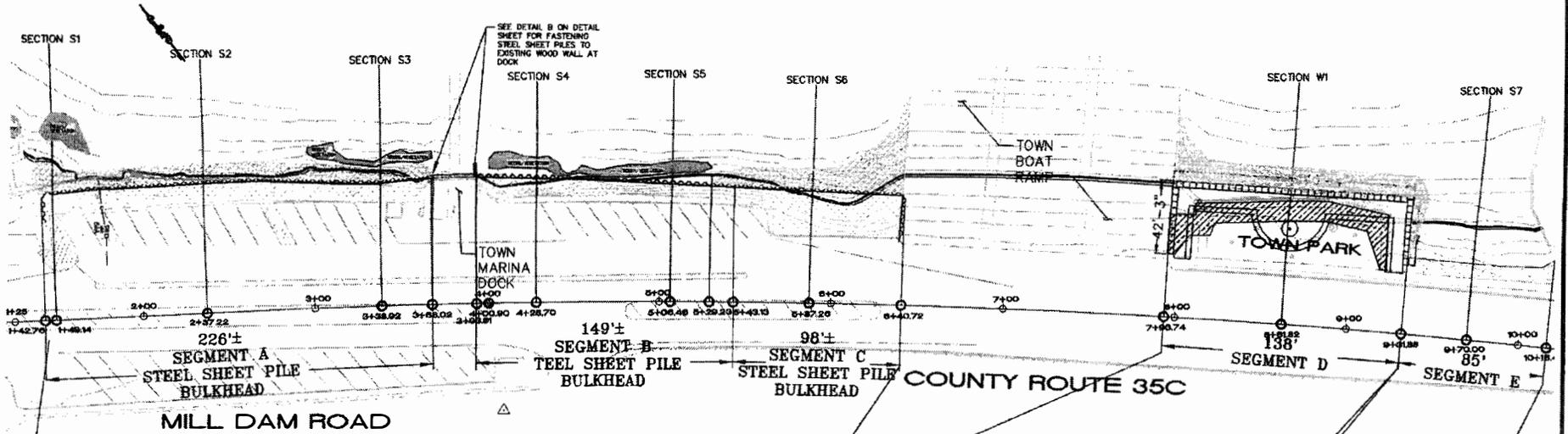
NOTES:

1. THE LOCATION, ELEVATION AND STATUS OF EXISTING UTILITIES SHOW ON THE CONTRACT DRAWINGS ARE APPROXIMATE. THE FOLLOWING SHALL BE PERFORMED:
 - A) VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES WITHIN THE WORK AREA PRIOR TO CONSTRUCTION.
 - B) EXERCISE EXTREME CAUTION WHEN WORKING ADJACENT TO EXISTING POWER, COMMUNICATIONS, WATER, SANITARY OR GAS LINES TO PREVENT DAMAGE TO THESE LINES
 - C) IMMEDIATELY REPAIR ANY DAMAGE TO EXISTING UTILITIES IN A MANNER APPROVED BY THE ENGINEER, AT NO COST TO THE AUTHORITY.
2. EXISTING UTILITIES SHALL BE MAINTAINED IN ACTIVE OPERATION AT ALL TIMES. PROVIDE BYPASS PIPING AND PUMPING WHERE REQUIRED. ALL NEW UTILITY SYSTEMS SHALL BE OPERATIONAL BEFORE ANY EXISTING SYSTEMS ARE ABANDONED OR REMOVED. IF EXISTING UTILITIES ARE TAKEN OUT OF SERVICE FOR CONNECTIONS, THE TIMING SHALL BE AS APPROVED BY THE ENGINEER.
3. ENSURE THAT ALL PIPES, CATCH BASINS, MANHOLES, SWALES, ETC. WITHIN AND NEAR THE AREA OF WORK ARE KEPT FREE FROM MATERIAL THAT WOULD HAMPER THE PERFORMANCE OF THE DRAINAGE SYSTEM. FURNISH AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL DEVICES AS SHOWN ON THE CONTRACT DRAWINGS. UPON COMPLETION OF CONSTRUCTION, REMOVE ACCUMULATED SEDIMENT AND REMOVE CONTROL DEVICES.
4. DISPOSE OF ALL UNSUITABLE OR EXCESS EXCAVATED MATERIALS AWAY FROM AUTHORITY PROPERTY. NO SOIL SHALL BE TRANSPORTED OFF SITE WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.
5. UTILIZE A MOBILE SWEEPER AND WATER TRUCK AS NEEDED FOR DUST CONTROL ALONG THE HAUL ROUTE AND IN AREAS MADE AVAILABLE FOR CONSTRUCTION.
6. PREVENT WATER PONDING RESULTING FROM CONSTRUCTION OPERATIONS. PROMPTLY REMOVE ANY PONDED WATER TO THE SATISFACTION OF ENGINEER.
7. ALL AREAS WITHIN AND OUTSIDE THE CONSTRUCTION SITE WHICH ARE DAMAGED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE ENGINEER AT NO COST TO THE AUTHORITY.
8. CONTRACTOR TO REFER TO CONSTRUCTION STAGING PLAN, EROSION SEDIMENT CONTROL PLAN AND MPT PLAN PRIOR TO REMOVALS.

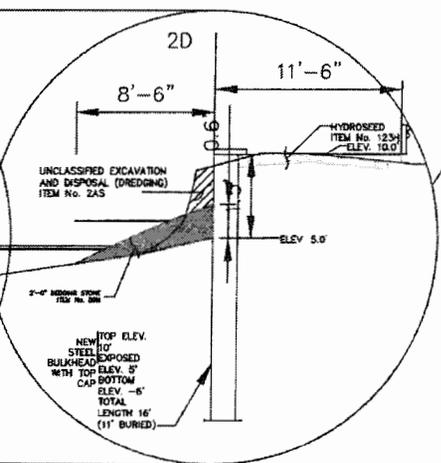
COUNTY OF SUFFOLK DEPARTMENT OF PUBLIC WORKS YAPHANK, NEW YORK			
GILBERT ANDERSON, P.E., COMMISSIONER			
CR 35 MILL DAM ROAD WATERFRONT REHABILITATION PROJECT TOWN OF HUNTINGTON, SUFFOLK COUNTY, N.Y.			
REMOVAL PLAN			
PROJECT NO.	SCALE	REVISED	SHEET 3 OF 12
TN-N001	NTS	10-16-12	

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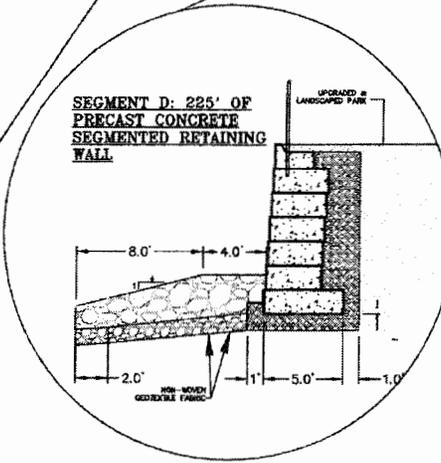
HUNTINGTON HARBOR



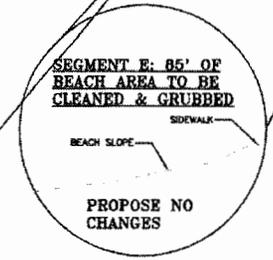
PROPOSED



PROPOSED (CROSSSECTION AT SECTION S2)



PROPOSED

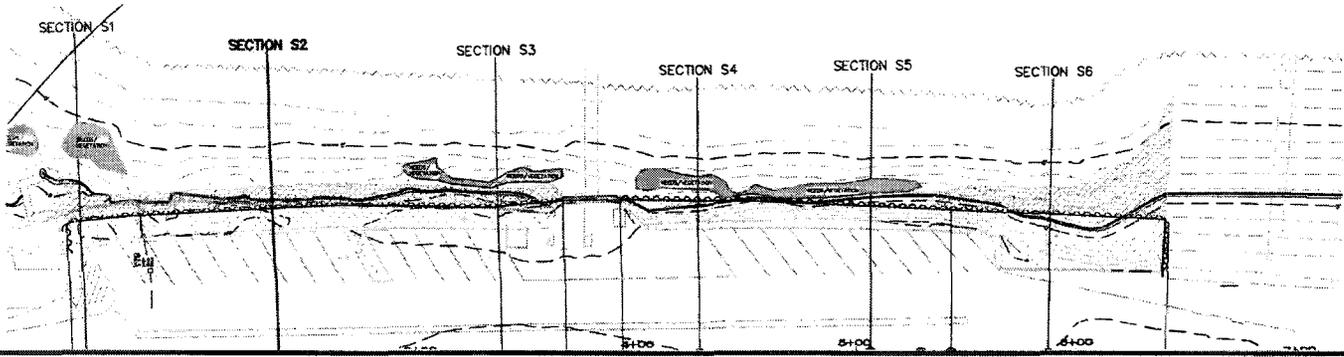
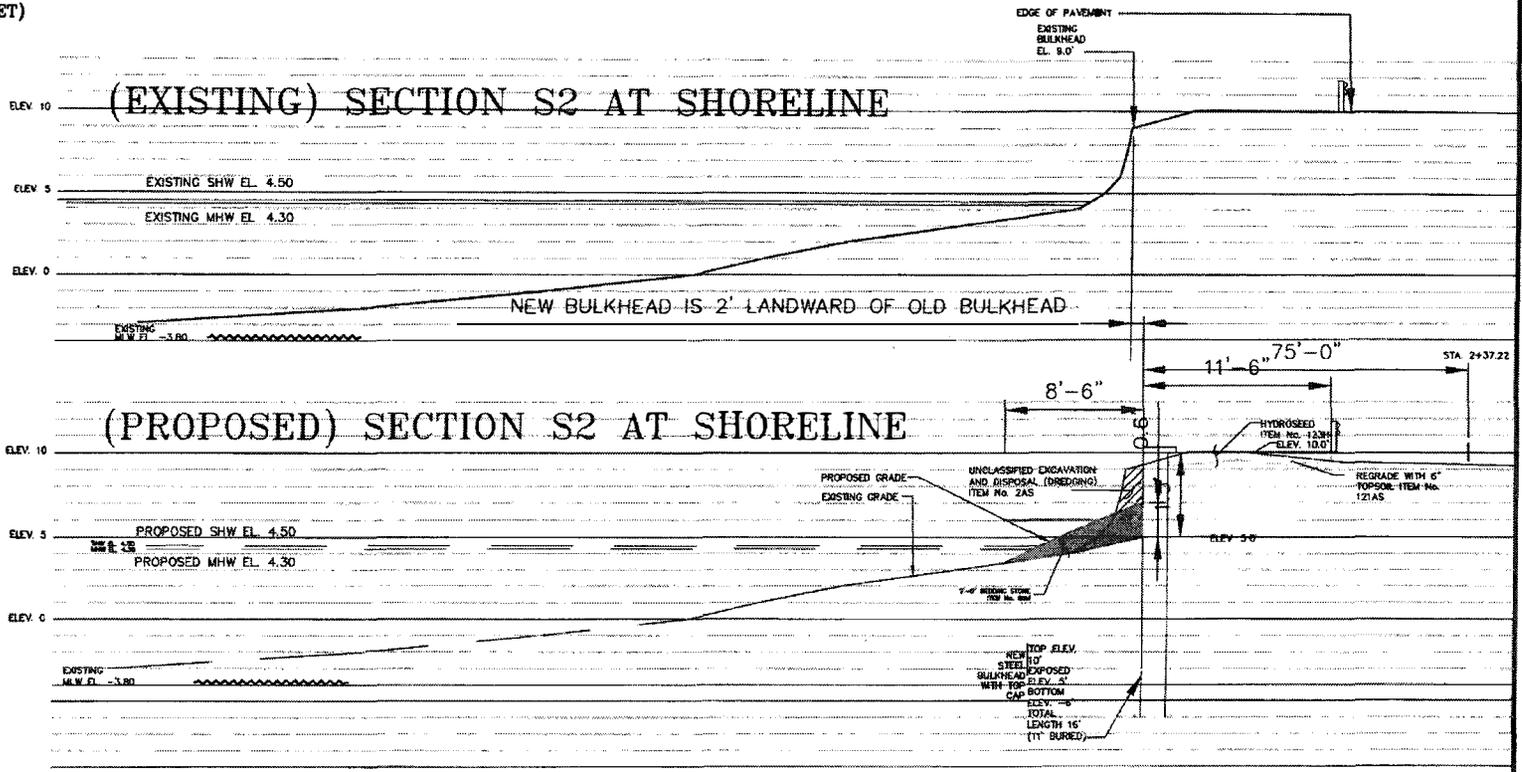
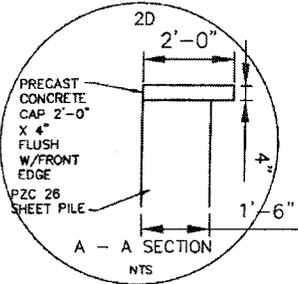
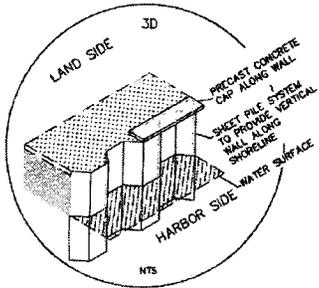


COUNTY OF SUFFOLK DEPARTMENT OF PUBLIC WORKS YAPHANK, NEW YORK GILBERT ANDERSON, P.E., COMMISSIONER			
CR 35 MILL DAM ROAD WATERFRONT REHABILITATION PROJECT TOWN OF HUNTINGTON, SUFFOLK COUNTY, N.Y.			
PROPOSED PROJECT OVERVIEW			
PROJECT NO.	SCALE	REVISED	SHEET 4 OF 12
TN-N001	NTS	11-28-12	

App # 2011-01244-EST

(FOR LEGEND SEE TITLE SHEET)

DETAIL OF SHEET PILES:

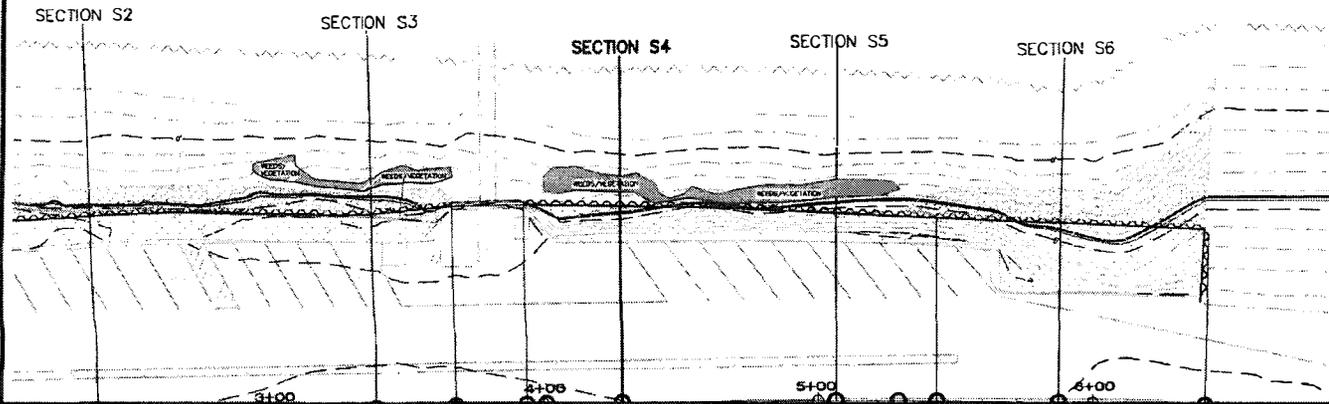
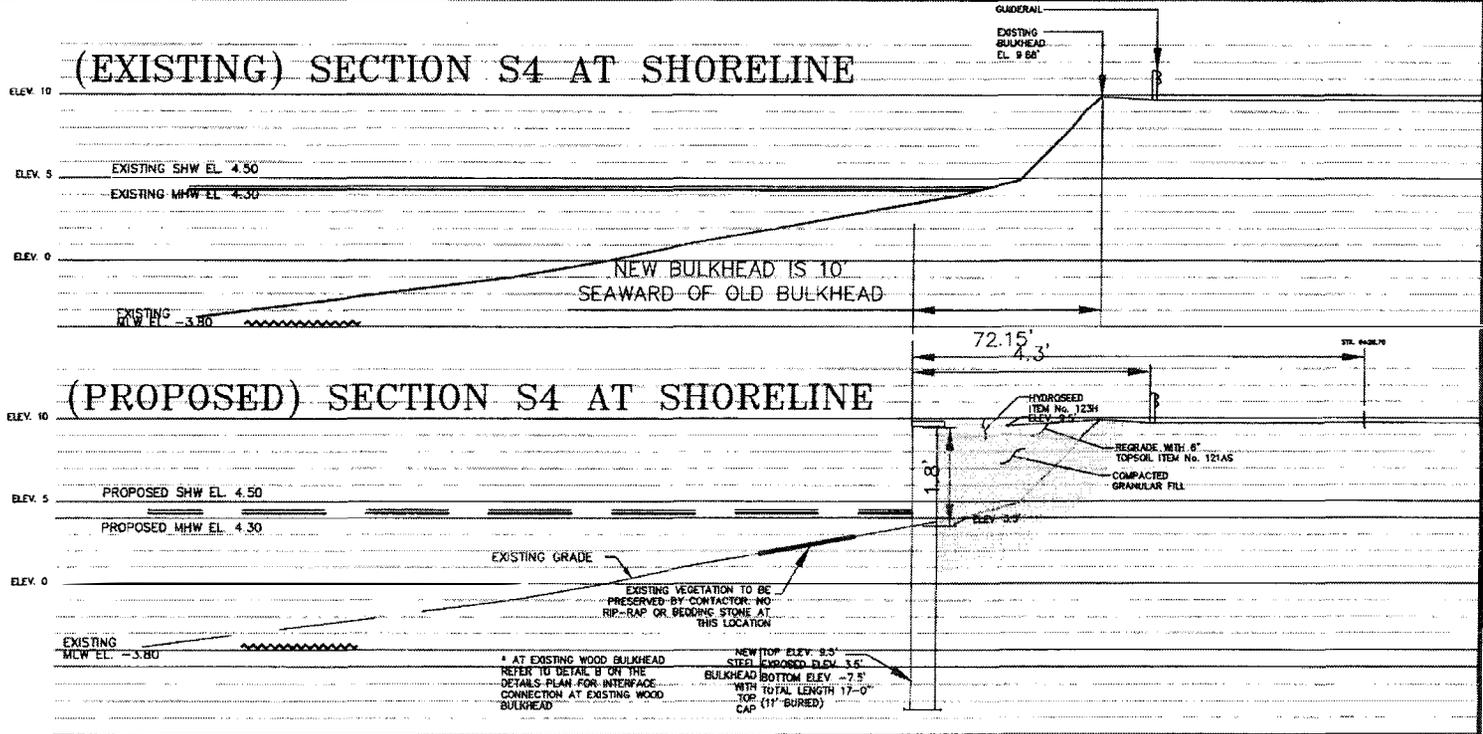
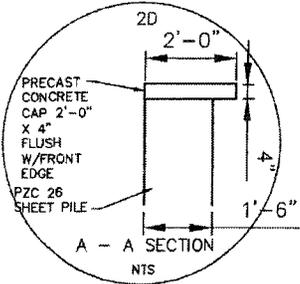
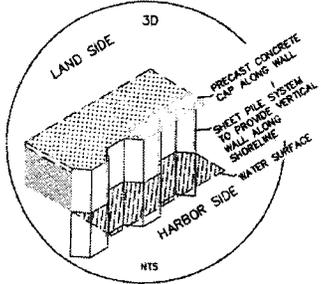


COUNTY OF SUFFOLK DEPARTMENT OF PUBLIC WORKS YAPHANK, NEW YORK			
GILBERT ANDERSON, P.E., COMMISSIONER			
CR 35 MILL DAM ROAD WATERFRONT REHABILITATION PROJECT TOWN OF HUNTINGTON, SUFFOLK COUNTY, N.Y.			
PROPOSED TYPICAL SECTION AT SHORELINE (SECTION S2) STEEL SHEET-PILE BULKHEAD			
PROJECT NO. TN-N001	SCALE NTS	REVISED 11-28-12	SHEET 5 OF 12

ADD # 2011-01244-EST

(FOR LEGEND SEE TITLE SHEET)

DETAIL OF SHEET PILES:

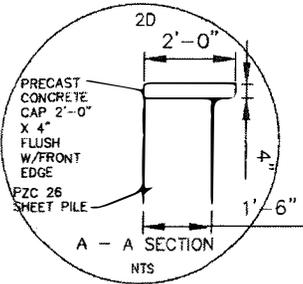
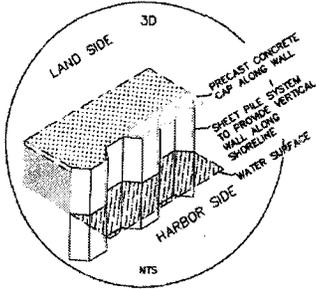


COUNTY OF SUFFOLK DEPARTMENT OF PUBLIC WORKS YAPHANK, NEW YORK GILBERT ANDERSON, P.E., COMMISSIONER			
CR 35 MILL DAM ROAD WATERFRONT REHABILITATION PROJECT TOWN OF HUNTINGTON, SUFFOLK COUNTY, N.Y.			
PROPOSED TYPICAL SECTION AT SHORELINE (SECTION S4) STEEL SHEET-PILE BULKHEAD			
PROJECT NO.	SCALE	REVISED	SHEET 6 OF 12
TN-0001	NTS	11-28-12	

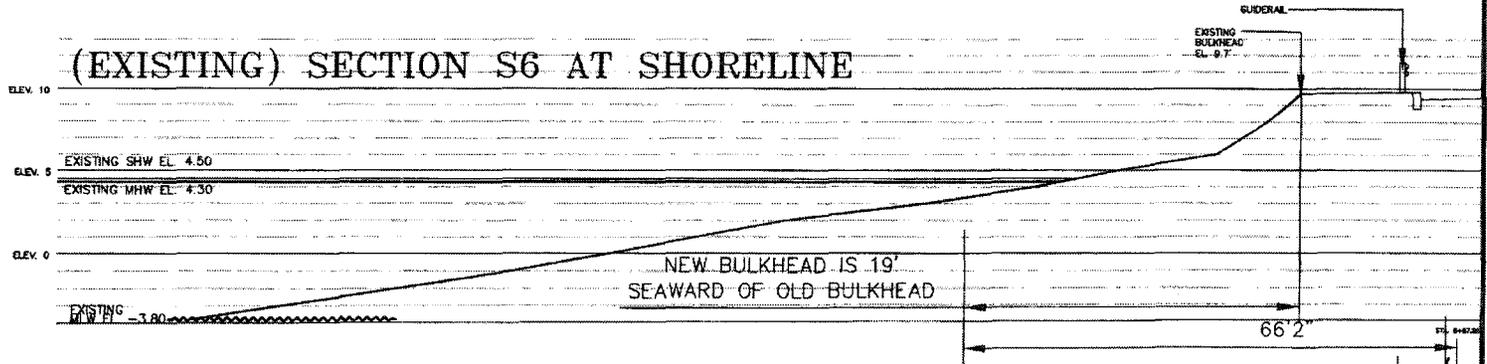
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(FOR LEGEND SEE TITLE SHEET)

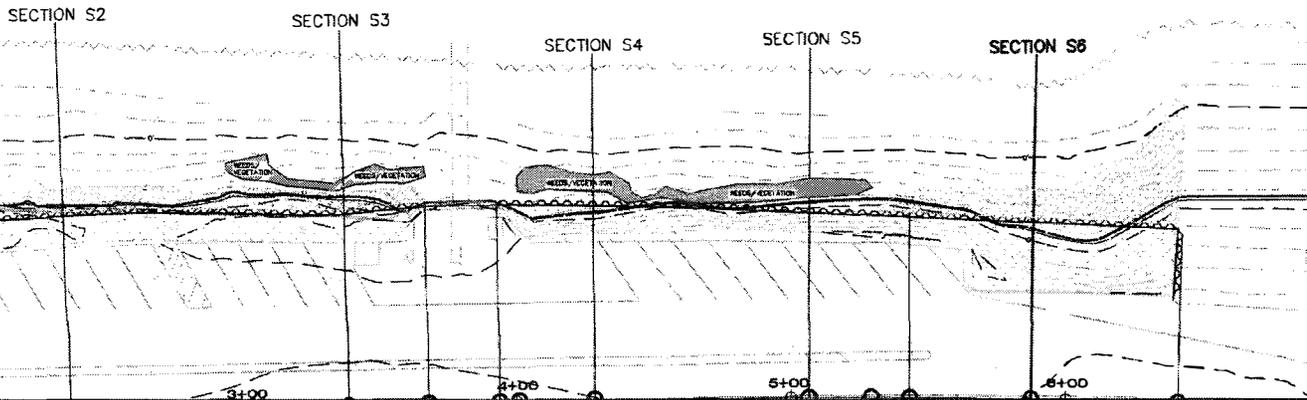
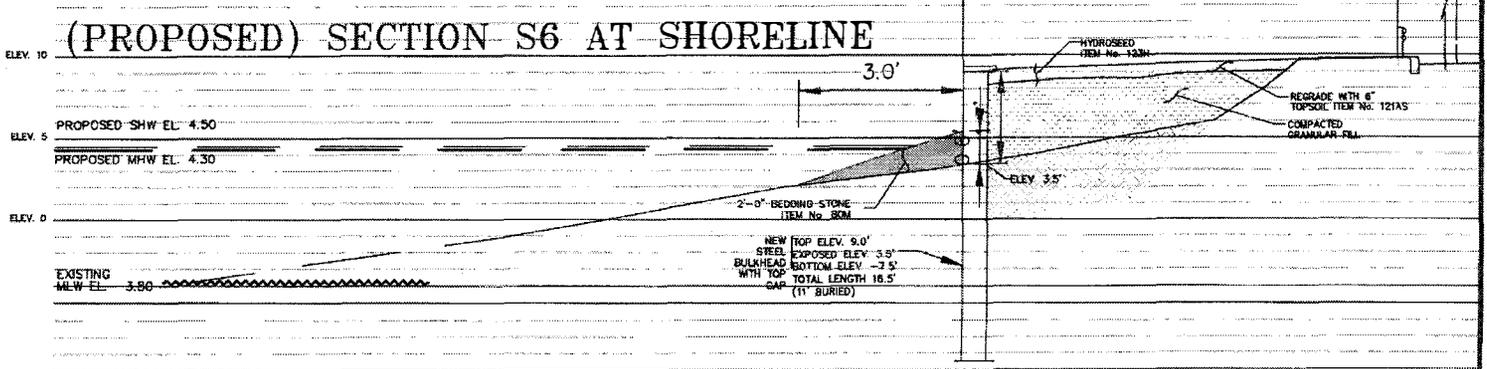
DETAIL OF SHEET PILES:



(EXISTING) SECTION S6 AT SHORELINE



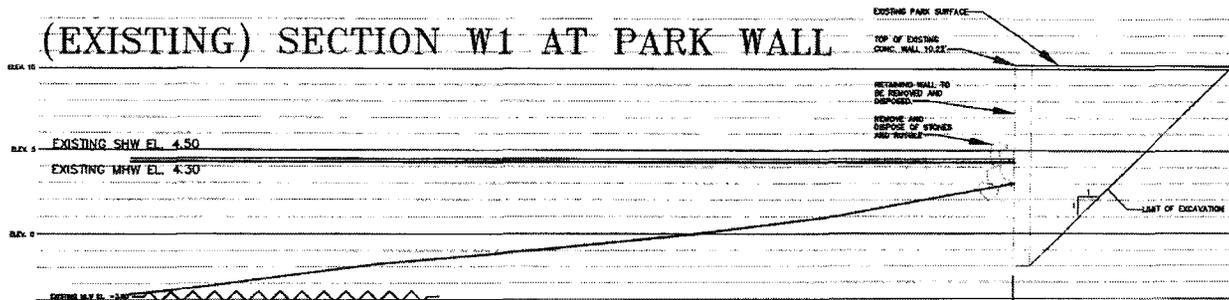
(PROPOSED) SECTION S6 AT SHORELINE



COUNTY OF SUFFOLK DEPARTMENT OF PUBLIC WORKS YAPHANK, NEW YORK			
GILBERT ANDERSON, P.E., COMMISSIONER			
CR 35 MILL DAM ROAD WATERFRONT REHABILITATION PROJECT TOWN OF HUNTINGTON, SUFFOLK COUNTY, N.Y.			
PROPOSED TYPICAL SECTION AT SHORELINE (SECTION S6) STEEL SHEET-PILE BULKHEAD			
PROJECT NO.	SCALE	REVISED	SHEET 7 OF 12
TN-N001	NTS	11-28-12	

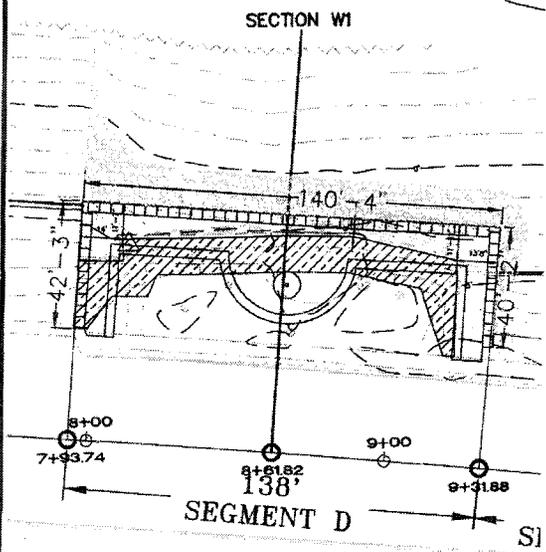
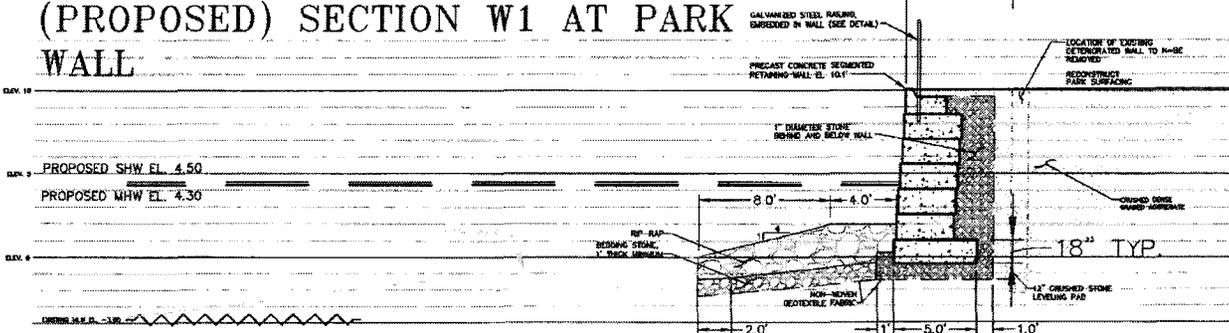
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(EXISTING) SECTION W1 AT PARK WALL



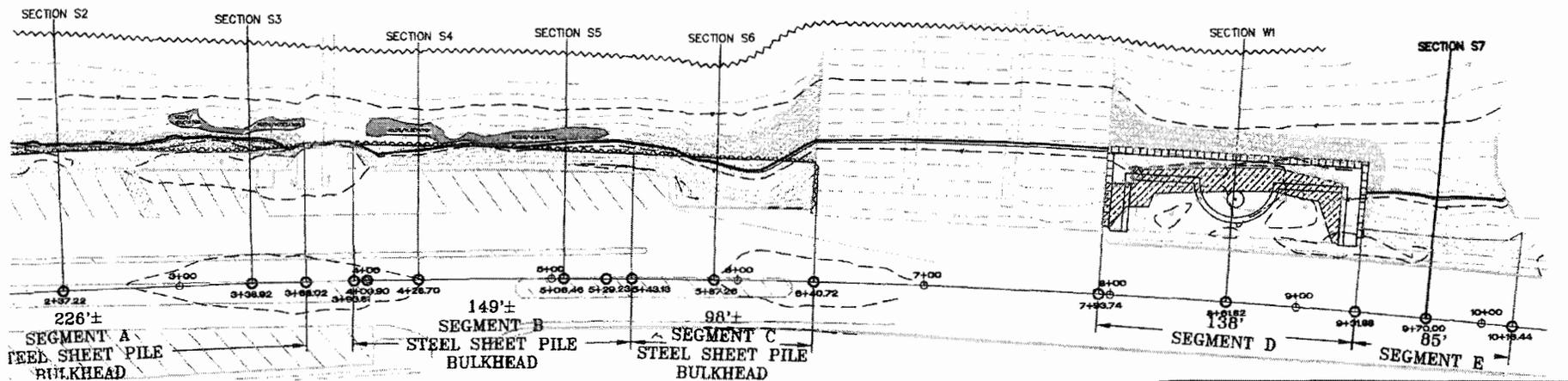
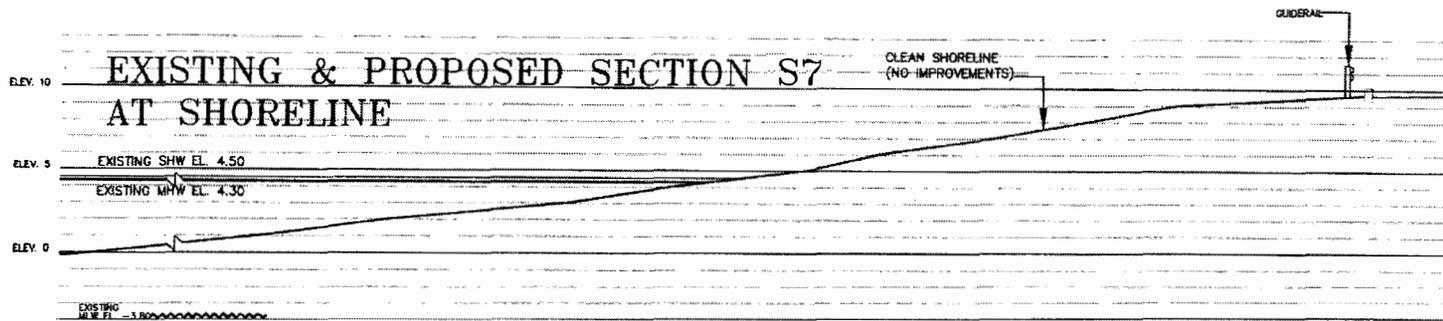
NEW RETAINING WALL IS 7' SEAWARD OF OLD RETAINING WALL

(PROPOSED) SECTION W1 AT PARK WALL



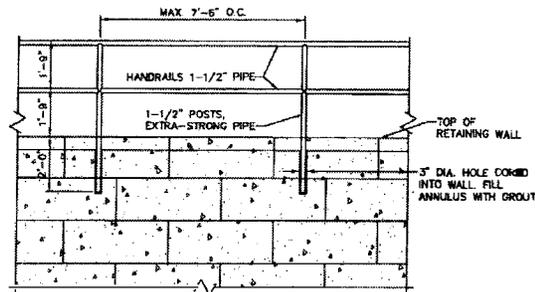
COUNTY OF SUFFOLK DEPARTMENT OF PUBLIC WORKS YAPHANK, NEW YORK GILBERT ANDERSON, P.E., COMMISSIONER			
CR 35 MILL DAM ROAD WATERFRONT REHABILITATION PROJECT TOWN OF HUNTINGTON, SUFFOLK COUNTY, N.Y.			
PROPOSED TYPICAL SECTION AT PARK (SECTION W1) CONCRETE SEGMENTED RETAINING WALL			
PROJECT NO.	SCALE	REVISED	SHEET 8 OF 12
TN-N001	NTS	11-28-12	

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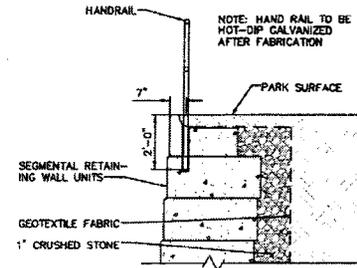


COUNTY OF SUFFOLK DEPARTMENT OF PUBLIC WORKS YAPHANK, NEW YORK			
GILBERT ANDERSON, P.E., COMMISSIONER			
CR 35 MILL DAM ROAD WATERFRONT REHABILITATION PROJECT TOWN OF HUNTINGTON, SUFFOLK COUNTY, N.Y.			
PROPOSED TYPICAL SECTION AT SHORELINE (SECTION S7) NO CHANGE			
PROJECT NO. TN-N001	SCALE NTS	REVISED 10-16-12	SHEET 9 OF 12

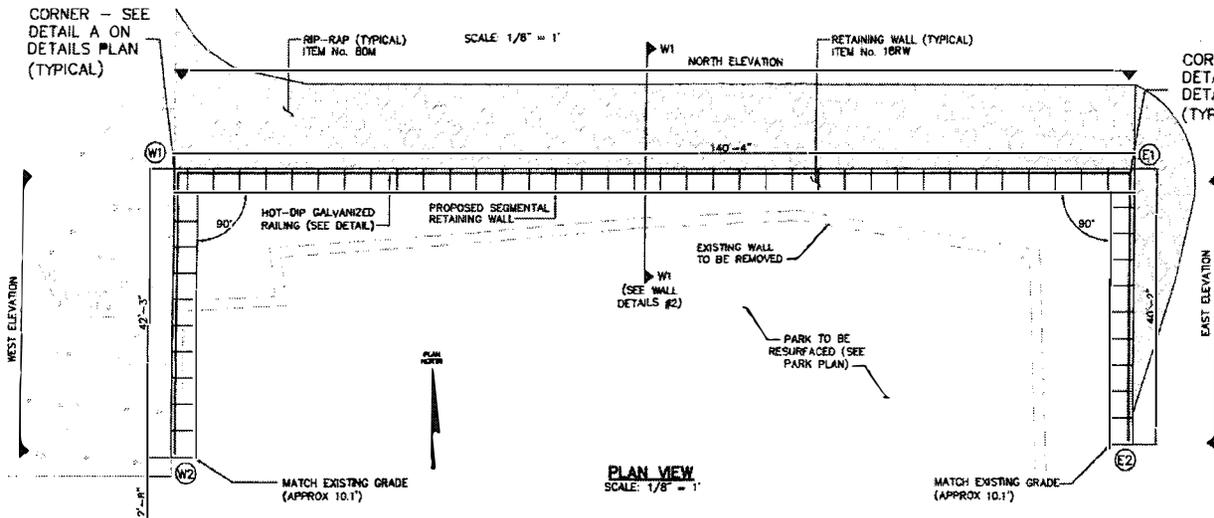
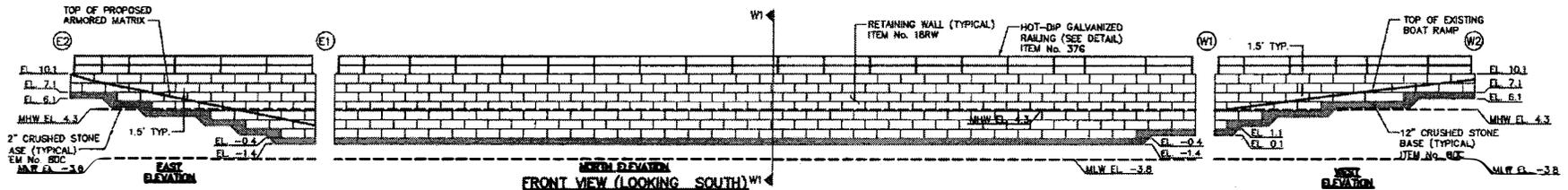
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TYPICAL HANDRAIL ELEVATION - ITEM No. 37G
SCALE: 1/2" = 1'



TYPICAL HANDRAIL SECTION
SCALE: 1/2" = 1'



PLAN VIEW
SCALE: 1/8" = 1'

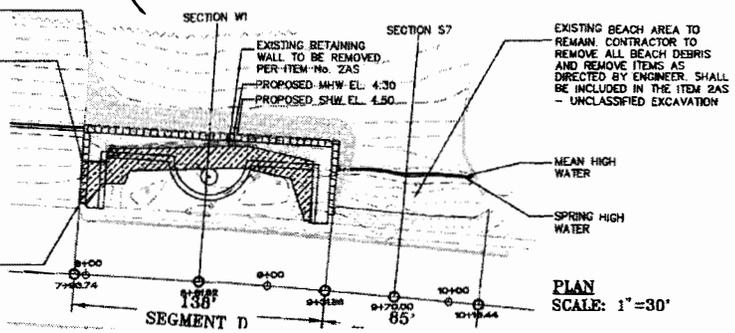
COUNTY OF SUFFOLK DEPARTMENT OF PUBLIC WORKS YAPHANK, NEW YORK			
GILBERT ANDERSON, P.E., COMMISSIONER			
CR 35 MILL DAM ROAD WATERFRONT REHABILITATION PROJECT TOWN OF HUNTINGTON, SUFFOLK COUNTY, N.Y.			
RETAINING WALL DETAILS 1 OF 2			
PROJECT NO.	SCALE	REVISED	
TN-NO01	NTS	11-28-12	SHEET 10 OF 12

AM 2/21/11-01244-EST

CONTRACTOR TO SAFELY AND SECURELY PROTECT EXISTING BOAT RAMP DURING CONSTRUCTION

PROPOSED RETAINING WALL TO MEET EXISTING BOAT RAMP

PROPOSED RETAINING WALL TO MEET EXISTING GRADE



LEGEND:

- MHW MEAN LOW WATER
- MHW MEAN HIGH WATER
- SHW SPRING HIGH WATER
- EXISTING LOCATION OF M.L.W. TO REMAIN
- MHW AFTER CONSTRUCTION
- EXISTING CONTOUR
- MAJOR CONTOURS AFTER CONSTRUCTION
- MINOR CONTOURS AFTER CONSTRUCTION
- 8+00 ○ STATIONS ON BASELINE, ESTABLISHED GRAPHICALLY USING COORDINATES SHOWN ON RECORD PLANS SCOPED REHABILITATION OF HIGHWAY STORMWATER DISCHARGE TO HUNTINGTON HARBOR, PROJECT NO. 8231/8240, FEBRUARY 2007.
- △ BENCHMARK ESTABLISHED GRAPHICALLY USING COORDINATES SHOWN ON RECORD PLANS SCOPED REHABILITATION OF HIGHWAY STORMWATER DISCHARGE TO HUNTINGTON HARBOR, PROJECT NO. 8231/8240, FEBRUARY 2007, SHEET 3 OF 13
- 9+20.85 ○ SECTION INTERSECTION ON BASELINE
- ▨ RIP-RAP
- ▨ GRANULAR FILL
- ▨ TOPSOIL
- ▨ DENSE GRADED AGGREGATE
- ▨ DENSE GRADED AGGREGATE (EXISTING)
- ▨ HYDROSEEDING
- ▨ REMOVALS (UNCLASSIFIED EXCAVATION FROM BAS)
- ▨ GRANULAR FILL

EXISTING SECTION W1
SCALE: 1/4"=1'

EXISTING SHW EL. 4.50
EXISTING MHW EL. 4.30

EXISTING PARK SURFACE
TOP OF EXISTING CONC. WALL 10.22'
RETAINING WALL TO BE REMOVED AND DISPOSED
REMOVE AND DISPOSE OF STONES AND RUBBLE

LIMIT OF EXCAVATION

PROPOSED SECTION W1
SCALE: 1/4"=1'

PROPOSED SHW EL. 4.50
PROPOSED MHW EL. 4.30

RIPP-RAP (TYPICAL) ITEM No. 80M
12" CRUSHED STONE BASE (TYPICAL) ITEM No. 80C

GALVANIZED RAILING (SEE DETAIL) ITEM No. 37G
EL. 10.1'
1" DIAMETER STONE BEHIND AND BELOW WALL ITEM No. 80C
RETAINING WALL (TYPICAL) ITEM No. 1RRW
GEOTEXTILE FABRIC (RIP-RAP BEDDING) ITEM No. ---

NEW RETAINING WALL IS 7' SEAWARD OF EXISTING RETAINING WALL.

RECONSTRUCT PARK SURFACING

CRUSHED DENSE GRADED AGGREGATE ITEM No. 930G

12" CRUSHED STONE LEVELING PAD ITEM No. 80C

**COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS
YAPHANK, NEW YORK**

GILBERT ANDERSON, P.E., COMMISSIONER

CR 35 MILL DAM ROAD
WATERFRONT REHABILITATION PROJECT
TOWN OF HUNTINGTON, SUFFOLK COUNTY, N.Y.

RETAINING WALL DETAILS 2 OF 2

PROJECT NO.	SCALE	REVISED	
TN-N001	NTS	11-28-12	SHEET 11 OF 12

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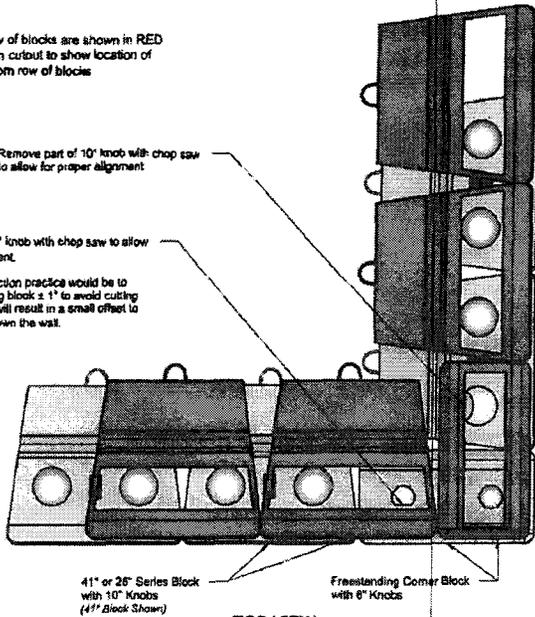
**90° OUTSIDE CORNER DETAIL
(41" AND 28" SERIES)**

Note: Top row of blocks are shown in RED and have been cutout to show location of knobs on bottom row of blocks

Remove part of 10" knob with chop saw to allow for proper alignment

Remove part of 6" knob with chop saw to allow for proper alignment.

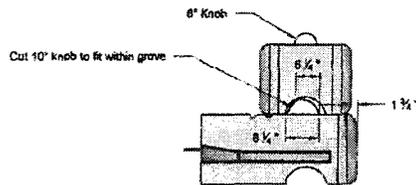
Alternate construction practice would be to offset freestanding block ± 1" to avoid cutting knob. Note, this will result in a small offset to the board beam down the wall.



41" or 28" Series Block with 10" Knobs
(41" Block Shown)

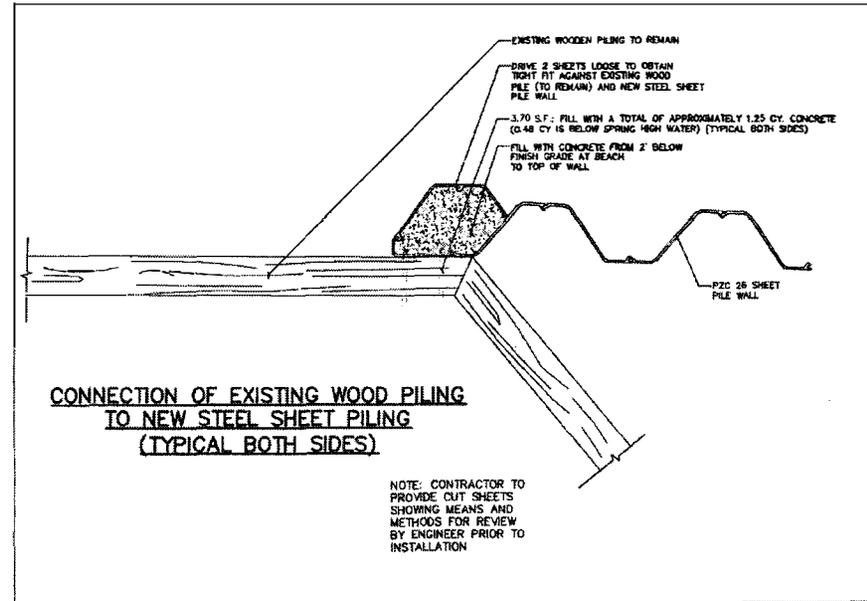
Freestanding Corner Block with 6" Knobs

TOP VIEW
(NO SCALE)



SIDE VIEW
(NO SCALE)

**RETAINING WALL REDI-ROCK CORNER DETAIL
DETAIL A**



**CONNECTION OF EXISTING WOOD PILING
TO NEW STEEL SHEET PILING
(TYPICAL BOTH SIDES)**

NOTE: CONTRACTOR TO PROVIDE CUT SHEETS SHOWING MEANS AND METHODS FOR REVIEW BY ENGINEER PRIOR TO INSTALLATION

DETAIL B

NOTES:

- (*) CONTRACTOR RESPONSIBLE FOR PROTECTING EXISTING WOOD BULKHEAD AND ASSOCIATED STRUCTURES SAFELY AND SECURELY.
- CONTRACTOR TO VERIFY ALL UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO START OF PROJECT.

COUNTY OF SUFFOLK DEPARTMENT OF PUBLIC WORKS YAPHANK, NEW YORK			
GILBERT ANDERSON, P.E., COMMISSIONER			
CR 35 MILL DAM ROAD WATERFRONT REHABILITATION PROJECT TOWN OF HUNTINGTON, SUFFOLK COUNTY, N.Y.			
DETAIL SHEET			
PROJECT NO.	SCALE	REVISED	SHEET 12 OF 12
TN-N001	NTS	11-26-12	

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