

NOTES:

1. ELEVATIONS ARE IN FEET REFERRED TO MEAN LOWER LOW WATER (MLLW) (NOS)(83-01) AND WERE TAKEN ON JUNE 29 & JULY 1, 2009.
2. COORDINATES ARE IN U.S. SURVEY FEET REFERRED TO THE VIRGINIA STATE GRID (SOUTH ZONE) BASED ON NAD83.

US Army Corps of Engineers
Norfolk District
Regulatory Office
Received by CMB
Date: August 14, 2012

NOT FOR CONSTRUCTION

PURPOSE: DREDGING & PIERS
DATUM: N.O.S. MLW=0.0'
ADJACENT PROPERTY OWNERS:
 ① LUCK STONE CORP.
 ② BBC LLC

COVER SHEET

PREPARED BY:

Waterway

Surveys & Engineering, Ltd.
 Virginia Beach, Virginia

PROPOSED DREDGING & PIERS
IN: SOUTHERN BRANCH ELIZABETH RIVER
CITY: CHESAPEAKE STATE: VIRGINIA
APPLICATION BY: COASTAL PRECAST SYSTEMS

SCALE: 1"=1000' DATE: AUGUST 6, 2012
SHEET 1 OF 8

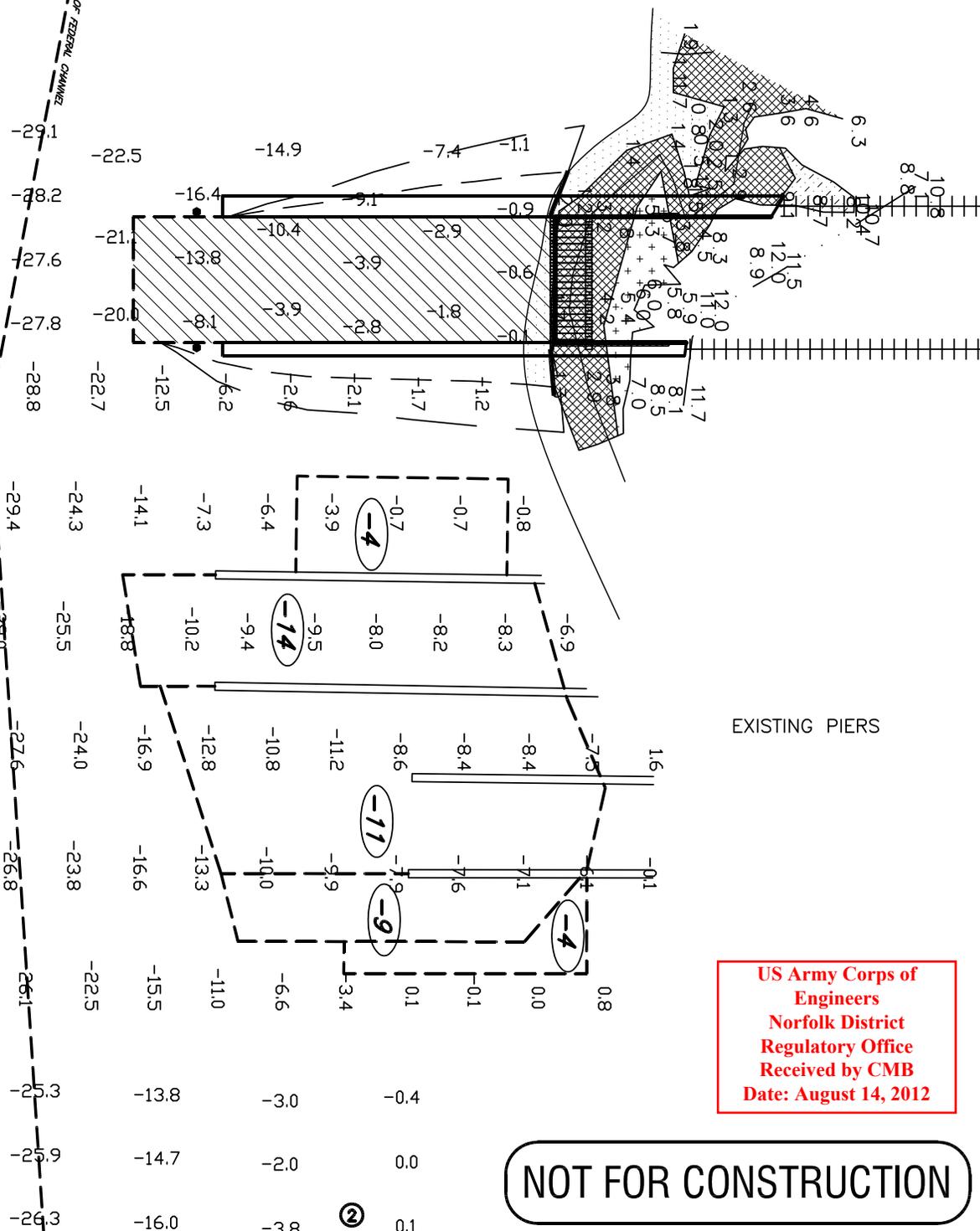
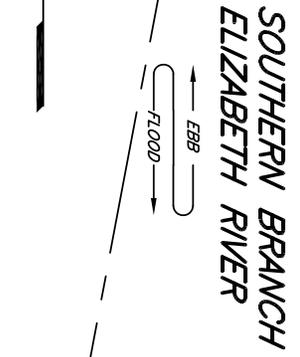
Additional Information
 Revision

RECEIVED

By Virginia Marine Resources Commission at 9:44 am, Aug 14, 2012

PROJECT OVERVIEW

- (2) 13 PILE MOORING DOLPHINS
- (2) OPEN-PILE PIERS FOR TRAVEL LIFT
- STRUCTURAL BULKHEAD WITH RETURN WALLS
- WAVE BREAK BULKHEAD (WETLAND PROTECTION)
- DREDGED BASIN BETWEEN TRAVEL LIFT PIERS



US Army Corps of Engineers
Norfolk District
Regulatory Office
Received by CMB
Date: August 14, 2012

NOT FOR CONSTRUCTION

PURPOSE: DREDGING & PIERS
DATUM: N.O.S. MLW=0.0'
ADJACENT PROPERTY OWNERS:
 ① LUCK STONE CORP.
 ② BBC LLC

PROJECT OVERVIEW

PREPARED BY:
Waterway
 Surveys & Engineering, Ltd.
 Virginia Beach, Virginia

PROPOSED DREDGING & PIERS
IN: SOUTHERN BRANCH ELIZABETH RIVER
CITY: CHESAPEAKE STATE: VIRGINIA
APPLICATION BY: COASTAL PRECAST SYSTEMS

SCALE: 1"=100' **DATE: AUGUST 6, 2012**
SHEET 2 OF 8

Additional Information
Revision

RECEIVED

By Virginia Marine Resources Commission at 9:44 am, Aug 14, 2012

**WETLAND AND WATERS
IMPACT EXHIBIT
COASTAL PRECAST SYSTEMS**

**OPEN PILE 13' WIDE
STRUCTURE W/
NORTHERN
EXPOSURE - IMPACTS
ARE PERMANENT**

**OPEN PILE 8' WIDE
STRUCTURE WITH
SOUTHERN
EXPOSURE -
SHADING IMPACTS
ARE TEMPORARY**

**2 - 30 ft Wave
Break Bulkheads**

**NORTH PIER
2,665 SF OVER
STATE OWNED
BOTTOM**

**SOUTH PIER
1,505 SF OVER
STATE OWNED
BOTTOM**

**MOORING DOLPHINS -
2 @ 75 SF OVER STATE
OWNED BOTTOM**

- Excavate Subaqueous
27,175 sf
- Excavate Tidal Non Veg
1,325 sf
- Fill Tidal Vegetated
5,025 sf
- Fill Non-Tidal Veg
2,285 sf

LEGEND:

- DREDGING AREA
- MUDFLATS
- SCRUB SHRUB WETLANDS
- TIDAL WETLANDS
- EMERGENT WETLANDS

PRELIMINARY

**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by CMB
Date: August 14, 2012**

**PURPOSE: DREDGING & PIERS
DATUM: N.O.S. MLLW=0.0'
ADJACENT PROPERTY OWNERS:
① LUCK STONE CORP.
② BBC LLC**

**DETAILS PLAN VIEW
DREDGING**

PREPARED BY:
Waterway
Surveys & Engineering, Ltd.
Virginia Beach, Virginia

**PROPOSED DREDGING & PIERS
IN: SOUTHERN BRANCH ELIZABETH RIVER
CITY: CHESAPEAKE STATE: VIRGINIA
APPLICATION BY: COASTAL PRECAST SYSTEMS**

**SCALE: 1"=60' DATE: AUGUST 6, 2012
SHEET 3 OF 8**

RECEIVED Additional Information
Revision
By Virginia Marine Resources Commission at 9:46 am, Aug 14, 2012