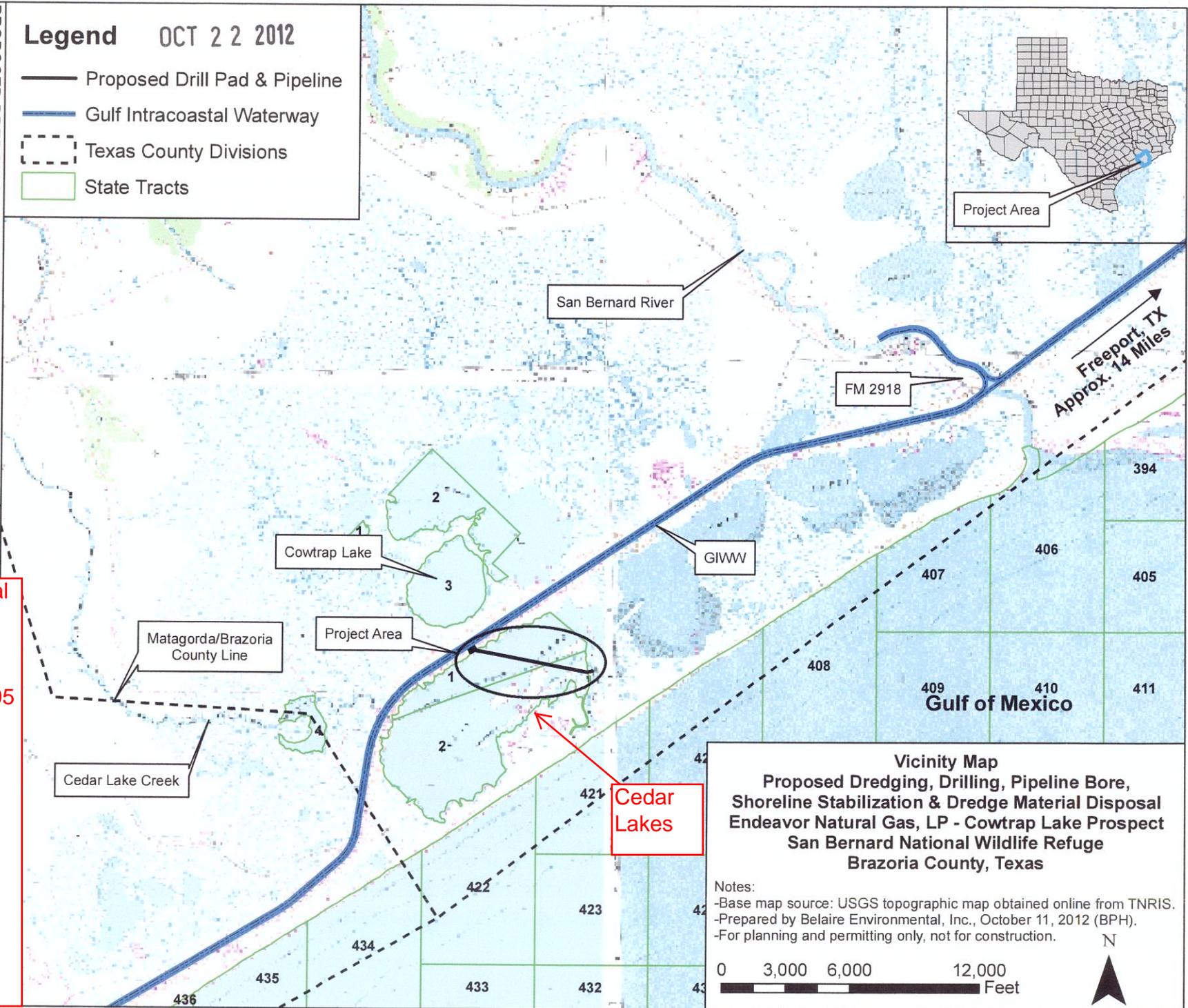
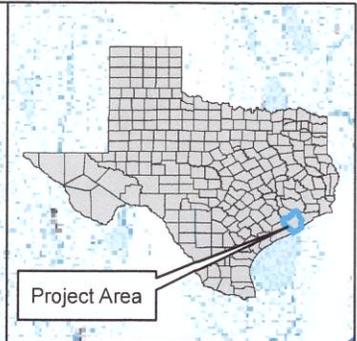


PROPOSED DREDGING, DRILLING, PIPELINE BORE,
SHORELINE STABILIZATION & DREDGE MATERIAL DISPOSAL
SAN BERNARD NATIONAL WILDLIFE REFUGE
BRAZORIA COUNTY, TEXAS

Endeavor Natural Gas, LP
1201 Louisiana, Suite 3350
Houston, Texas 77002

Legend OCT 22 2012

- Proposed Drill Pad & Pipeline
- Gulf Intracoastal Waterway
- - - Texas County Divisions
- State Tracts



Endeavor Natural Gas, LP
Brazoria County, TX
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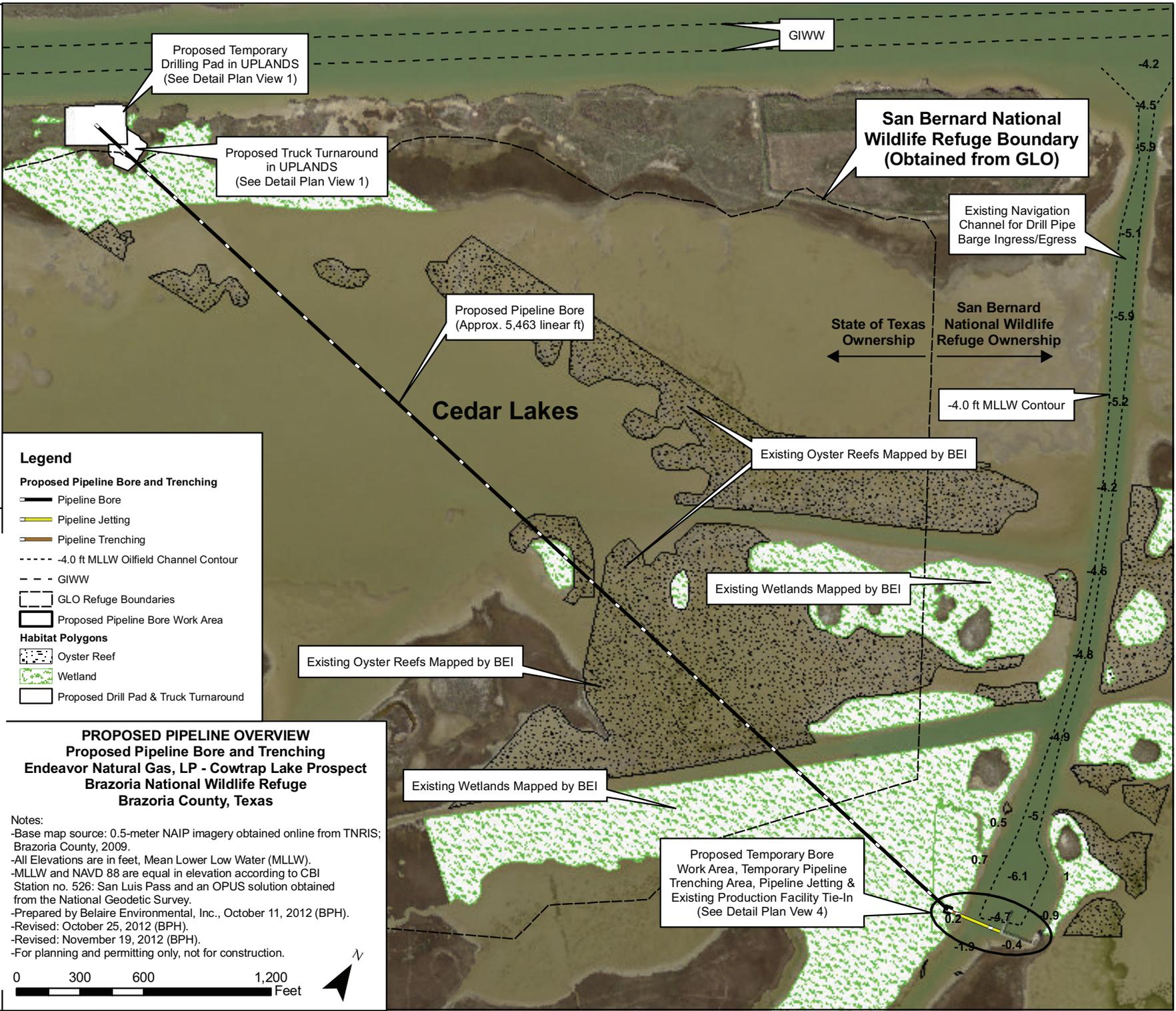
Vicinity Map
Proposed Dredging, Drilling, Pipeline Bore,
Shoreline Stabilization & Dredge Material Disposal
Endeavor Natural Gas, LP - Cowtrap Lake Prospect
San Bernard National Wildlife Refuge
Brazoria County, Texas

Notes:
-Base map source: USGS topographic map obtained online from TNIRIS.
-Prepared by Belaire Environmental, Inc., October 11, 2012 (BPH).
-For planning and permitting only, not for construction.



PROPOSED DREDGING, DRILLING, PIPELINE BORE, SHORELINE STABILIZATION & DREDGE MATERIAL DISPOSAL SAN BERNARD NATIONAL WILDLIFE REFUGE BRAZORIA COUNTY, TEXAS
 Endeavor Natural Gas, LP
 1201 Louisiana, Suite 3350
 Houston, Texas 77002

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 Brazoria County, TX
 SWG-2012-00895
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Legend

Proposed Pipeline Bore and Trenching

- Pipeline Bore
- Pipeline Jetting
- Pipeline Trenching
- 4.0 ft MLLW Oilfield Channel Contour
- GIWW
- GLO Refuge Boundaries
- Proposed Pipeline Bore Work Area

Habitat Polygons

- Oyster Reef
- Wetland
- Proposed Drill Pad & Truck Turnaround

PROPOSED PIPELINE OVERVIEW
Proposed Pipeline Bore and Trenching
 Endeavor Natural Gas, LP - Cowtrap Lake Prospect
 Brazoria National Wildlife Refuge
 Brazoria County, Texas

Notes:
 -Base map source: 0.5-meter NAIP imagery obtained online from TNRIS; Brazoria County, 2009.
 -All Elevations are in feet, Mean Lower Low Water (MLLW).
 -MLLW and NAVD 88 are equal in elevation according to CBI Station no. 526: San Luis Pass and an OPUS solution obtained from the National Geodetic Survey.
 -Prepared by Belaire Environmental, Inc., October 11, 2012 (BPH).
 -Revised: October 25, 2012 (BPH).
 -Revised: November 19, 2012 (BPH).
 -For planning and permitting only, not for construction.

0 300 600 1,200 Feet

Proposed Temporary Bore Work Area, Temporary Pipeline Trenching Area, Pipeline Jetting & Existing Production Facility Tie-In (See Detail Plan View 4)

San Bernard National Wildlife Refuge Boundary (Obtained from GLO)

Existing Navigation Channel for Drill Pipe Barge Ingress/Egress

State of Texas Ownership
 San Bernard National Wildlife Refuge Ownership

-4.0 ft MLLW Contour

Existing Oyster Reefs Mapped by BEI

Existing Wetlands Mapped by BEI

Existing Oyster Reefs Mapped by BEI

Existing Wetlands Mapped by BEI

Proposed Pipeline Bore (Approx. 5,463 linear ft)

Proposed Temporary Drilling Pad in UPLANDS (See Detail Plan View 1)

Proposed Truck Turnaround in UPLANDS (See Detail Plan View 1)

GIWW

Cedar Lakes

-4.2
-4.5
-5.9
-5.1
-5.9
-5.2
-4.2
-4.6
-4.8
-4.9
-0.5
-5
-6.1
-0.9
-0.2
-4.7
-0.4
-1.9

PROPOSED DREDGING, DRILLING, PIPELINE BORE,
SHORELINE STABILIZATION & DREDGE MATERIAL DISPOSAL
SAN BERNARD NATIONAL WILDLIFE REFUGE
BRAZORIA COUNTY, TEXAS

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Endeavor Natural Gas, LP
Brazoria County, TX
SWG-2012-00895
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Legend

- - - - -4.0 ft MLLW Oilfield Channel Contour
- Proposed Pipeline Bore, Trenching & Jetting**
 - Pipeline Bore
 - Pipeline Jetting
 - Pipeline Trenching
 - ▨ Proposed Pipeline Bore Work Area
 - ▨ Proposed Temporary Pipeline Trenching Impacts
- Habitat Polygons**
 - ▨ Oyster Reef
 - ▨ Wetland

DETAIL PLAN VIEW 4
Proposed Pipeline Bore and Trenching
Endeavor Natural Gas, LP - Cowtrap Lake Prospect
Brazoria National Wildlife Refuge
Brazoria County, Texas

Notes:
-Base map source: 0.5-meter NAIP imagery obtained online from TNIRIS; Brazoria County, 2009.
-All Elevations are in feet, Mean Lower Low Water (MLLW).
-MLLW and NAVD 88 are equal in elevation according to CBI Station no. 526: San Luis Pass and an OPUS solution obtained from the National Geodetic Survey.
-Prepared by Belaire Environmental, Inc., November 19, 2012 (BPH).
-For planning and permitting only, not for construction.



Permitting Notes:

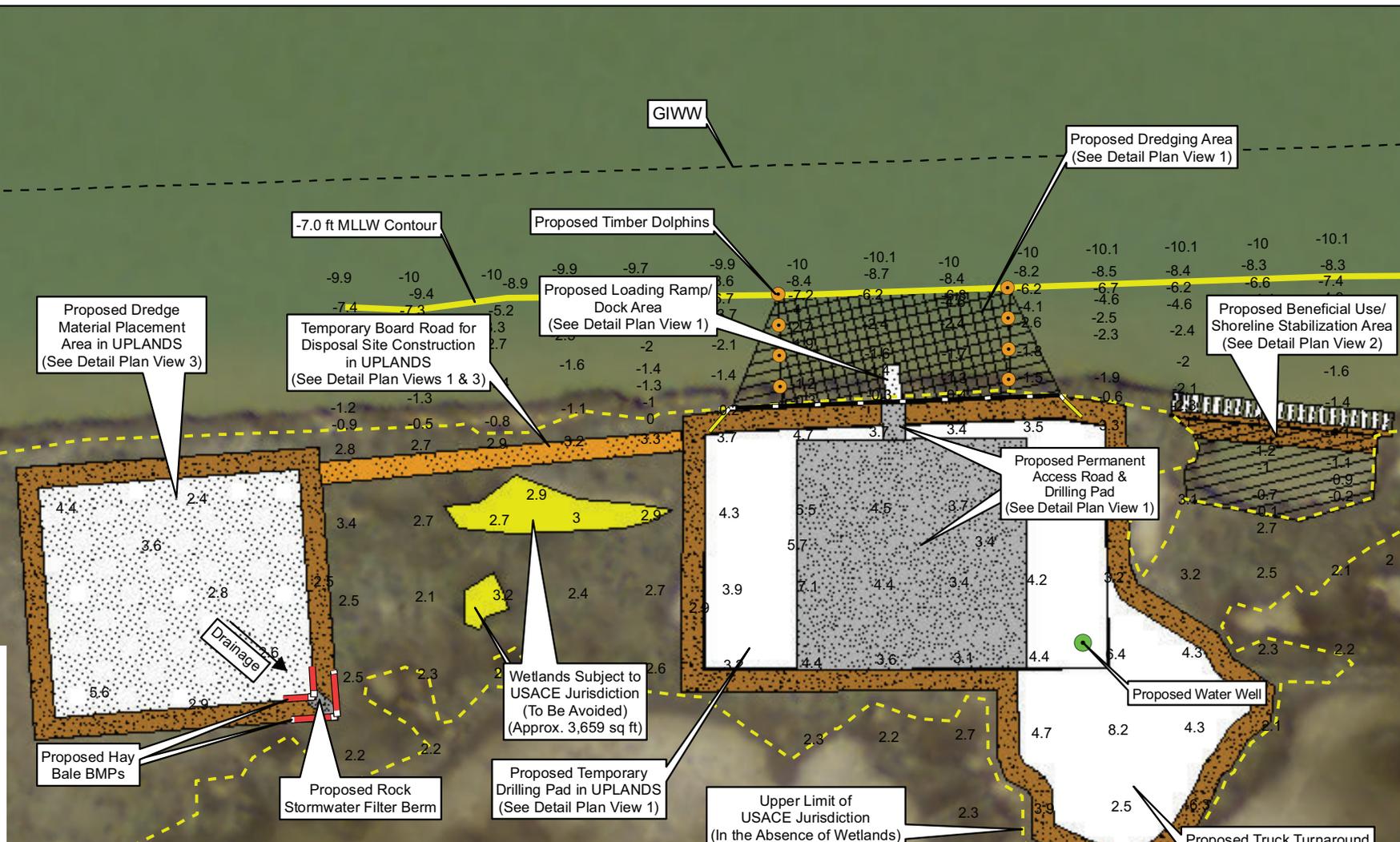
- Approx. 900 sq ft of temporary wetland impacts will result from construction of the temporary 30 ft x 30 ft pipeline bore work area.
- Wooden mats or boards will be used to construct the temporary pipeline bore work area.
- BEI conducted a topographic survey of the proposed bore work area on June 29, 2012 to ensure that the pre-construction grade is restored after pipeline construction.
- Approx. 492 sq ft of temporary wetland impacts will result from pipeline trenching.
- Total temporary jurisdictional impacts = Approx. 1,392 sq ft (Approx. 900 sq ft at the proposed temporary bore exit work area and approx. 492 sq ft at the proposed temporary trenching work area).
- All temporary impacts will be restored within 180 days of initiation of work in jurisdictional areas.
- No seagrasses or oysters will be impacted by the proposed pipeline boring or trenching.

Wetland

PROPOSED DREDGING, DRILLING, PIPELINE BORE,
SHORELINE STABILIZATION & DREDGE MATERIAL DISPOSAL
SAN BERNARD NATIONAL WILDLIFE REFUGE
BRAZORIA COUNTY, TEXAS

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Houston, Texas 77002

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TX
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PROPOSED DRILLING AREA OVERVIEW
Proposed Dredging, Drilling & Beneficial Shoreline Stabilization
Endeavor Natural Gas, LP - Cowtrap Lake Prospect
San Bernard National Wildlife Refuge
Brazoria County, Texas

Notes:
Base map source: 0.5-meter NAIP imagery obtained online from TNRS; Brazoria County, 2009.
All Elevations are in feet, Mean Lower Low Water (MLLW). MLLW and NAVD 88 are equal in elevation according to CBI Station no. 526: San Luis Pass and an OPUS solution obtained from the National Geodetic Survey.
Prepared by Belaire Environmental, Inc., October 11, 2012 (BPH).
Revised: October 25, 2012 (BPH).
Revised: November 19, 2012 (BPH).
For planning and permitting only, not for construction.



Permitting Notes:
-No wetland impacts will result from dredging, drilling, or dredge material disposal.
-Approx. 2,500 cu yds of earthen material will be mechanically dredged for barge access to the proposed drilling pad. At the request of the San Bernard National Wildlife Refuge, approx. 1,050 cu yds of material will be beneficially placed immediately northeast of the proposed pad for shoreline restoration. Excess dredge material (Approx. 1,450 cu yds) will be placed in the proposed confined 0.59 acre disposal area.
-The proposed disposal area will be graded to a finished elevation that varies from approx. +4 ft MLLW at the southwestern portion of the disposal site to approx. +3 ft MLLW at the northeastern portion of the disposal site. An approx. 1 ft thick layer of dredge material will be placed within the disposal site. The finished grade after the placement of material within the site will be approx. +5 ft MLLW in the southwestern portion of the site and approx. +4 ft MLLW in the northeastern portion of the site, allowing for site drainage to the northeast through the proposed rock stormwater filter berm and hay bale BMPs.

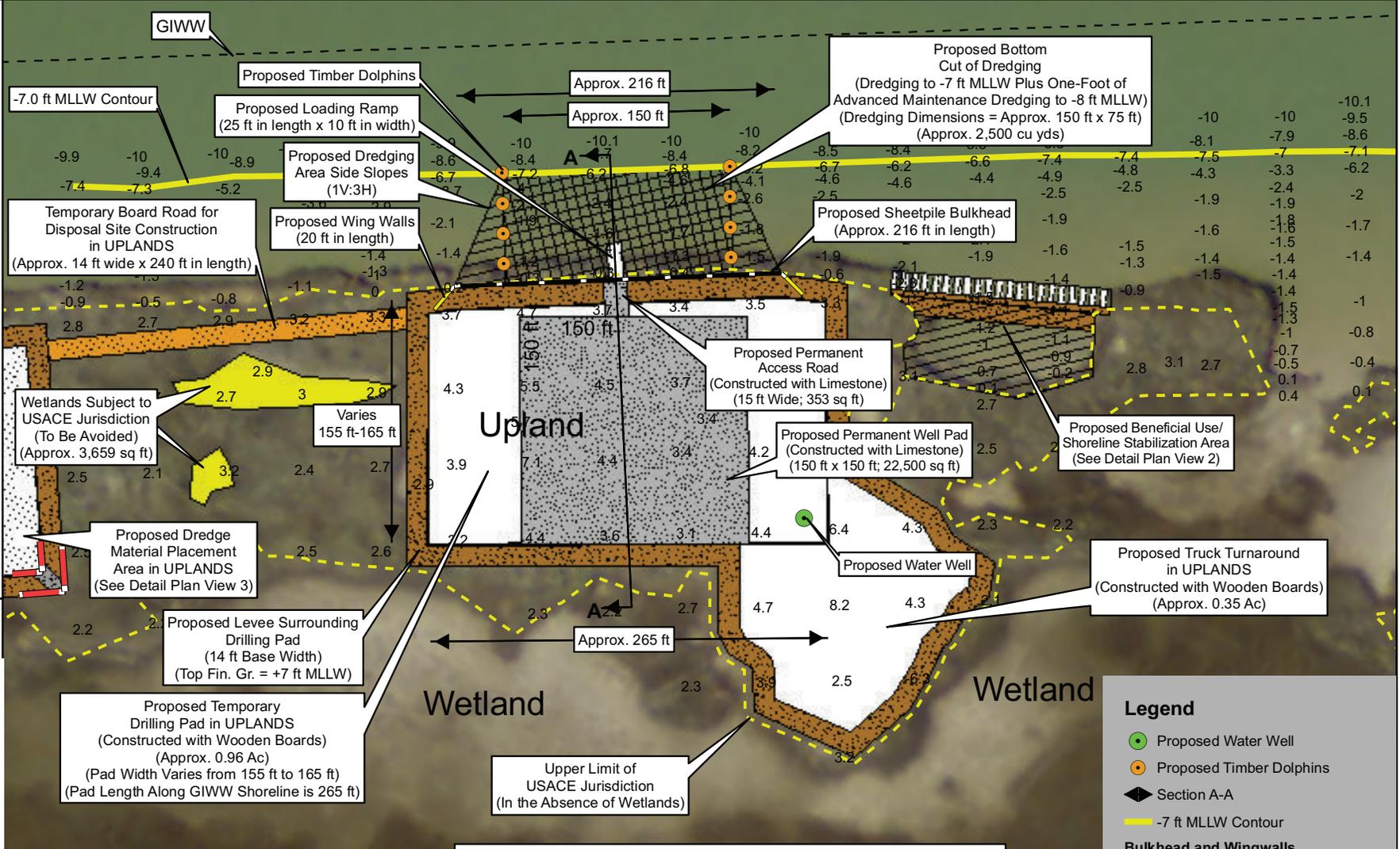
Map Notes:
-BEI selected a 2009 satellite image for this Plan View due to high resolution and quality.
-Due to ongoing erosion from the adjacent GIWW, and possibly small spatial inaccuracies of the satellite image, the proposed drilling pad and proposed bulkhead appear to be set back from the existing shoreline bluff, however the pad and bulkhead are actually situated to be at the bluff's edge, generally following the indicated "Upper Limit of USACE Jurisdiction" line shown as a dashed, yellow line.

Legend

Proposed Water Well	Proposed Loading Dock
Proposed Timber Dolphins	Proposed Temporary Board Road
Upper Jurisdictional Boundary	Proposed Dredging Area
Proposed Hay Bale BMP	Bottom of Cut
Bulkhead and Wingwalls	Side Slope
Bulkhead	Proposed Shoreline Stabilization
Wing Wall	Inner Levee Slope (Earthen Material)
Jurisdictional Wetlands	Levee Crown (Earthen Material)
Proposed Drill Pad	Outer Levee Slope (Articulated Mat)
Proposed Truck Turnaround	Stabilization Fill Area
Proposed Drill Pad Levee	Proposed Disposal Site
Proposed Rock Stormwater Filter	Dredge Material Placement Area
	Ring Levee
	Rock Stormwater Filter

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PROPOSED DREDGING, DRILLING, PIPELINE BORE,
SHORELINE STABILIZATION & DREDGE MATERIAL DISPOSAL
SAN BERNARD NATIONAL WILDLIFE REFUGE
BRAZORIA COUNTY, TEXAS



Endeavor Natural Gas, LP
Brazoria County, TX
SWG-2012-00895
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DETAIL PLAN VIEW 1
Proposed Dredging, Drilling & Beneficial Shoreline Stabilization
Endeavor Natural Gas, LP - Cowtrap Lake Prospect
San Bernard National Wildlife Refuge
Brazoria County, Texas

Notes:
-Base map source: 0.5-meter NAIP imagery obtained online from TNRS; Brazoria County, 2009.
-All Elevations are in feet, Mean Lower Low Water (MLLW).
-MLLW and NAVD 88 are equal in elevation according to CBI Station no. 526: San Luis Pass and an OPUS solution obtained from the National Geodetic Survey.
-Prepared by Belaire Environmental, Inc., November 19, 2012 (BPH).
-For planning and permitting only, not for construction.



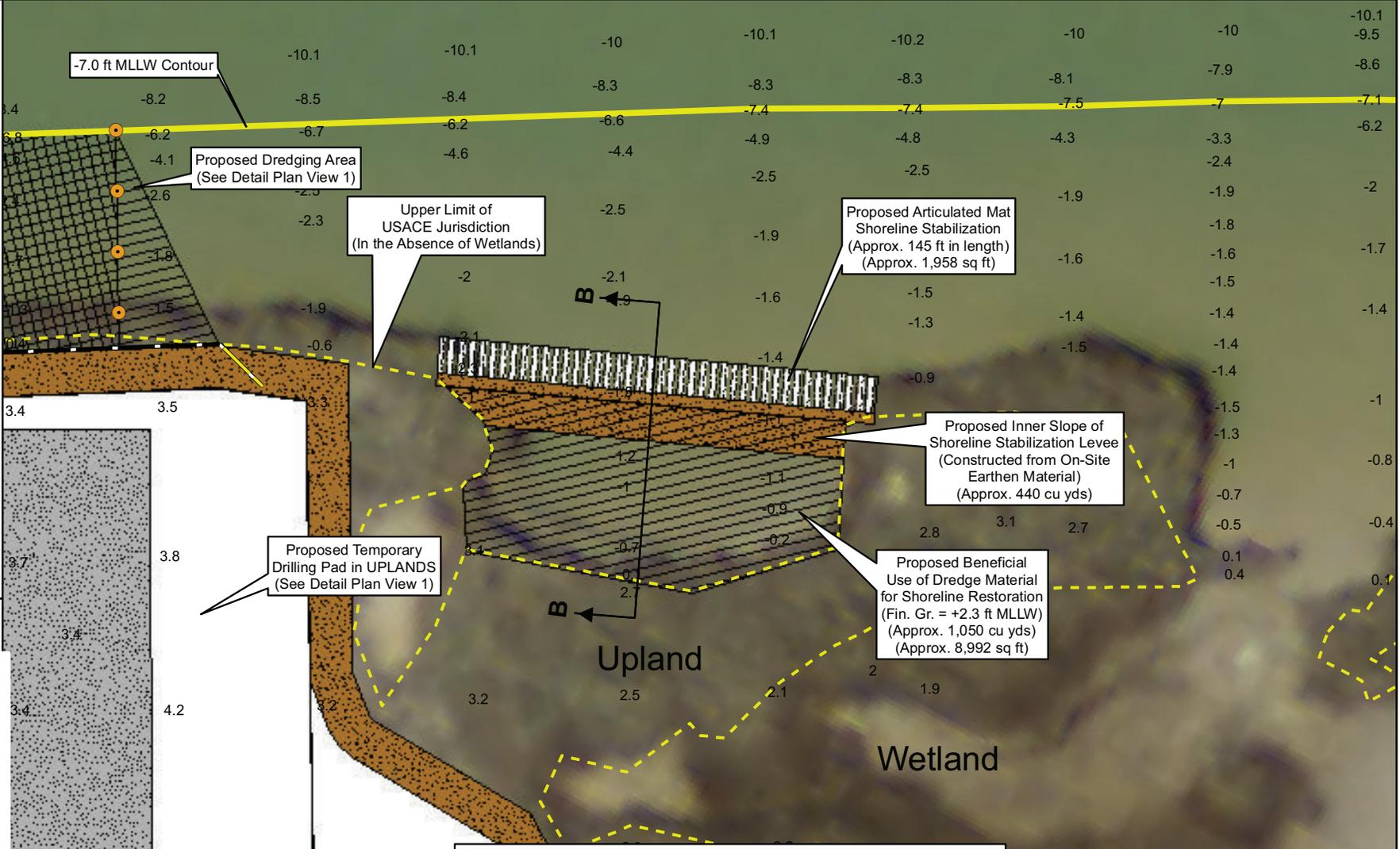
Permitting Notes:
-No wetland impacts will result from dredging, drilling, or dredge material disposal.
-Approx. 2,500 cu yds of earthen material will be mechanically dredged for barge access to the proposed drilling pad. At the request of the San Bernard National Wildlife Refuge, approx. 1,050 cu yds of material will be beneficially placed immediately northeast of the proposed pad for shoreline restoration. Excess dredge material (Approx. 1,450 cu yds) will be placed in the proposed confined 0.59 acre disposal area.
-The proposed disposal area will be graded to a finished elevation that varies from approx. +4 ft MLLW at the southwestern portion of the disposal site to approx. +3 ft MLLW at the northeastern portion of the disposal site. An approx. 1 ft thick layer of dredge material will be placed within the disposal site. The finished grade after the placement of material within the site will be approx. +5 ft MLLW in the southwestern portion of the site and approx. +4 ft MLLW in the northeastern portion of the site, allowing for site drainage to the northeast through the proposed rock stormwater filter berm and hay bale BMPs.

Map Notes:
-BEI selected a 2009 satellite image for this Plan View due to high resolution and quality.
-Due to ongoing erosion from the adjacent GIWW, and possibly small spatial inaccuracies of the satellite image, the proposed drilling pad and proposed bulkhead appear to be set back from the existing shoreline bluff, however the pad and bulkhead are actually situated to be at the bluff's edge, generally following the indicated "Upper Limit of USACE Jurisdiction" line shown as a dashed, yellow line.

Legend

- Proposed Water Well
- Proposed Timber Dolphins
- ◆ Section A-A
- -7 ft MLLW Contour
- Bulkhead and Wingwalls**
- Bulkhead
- Wing Wall
- Upper Jurisdictional Boundary
- Jurisdictional Wetlands
- Proposed Drill Pad Levee
- Proposed Temporary Board Road
- Proposed Truck Turnaround
- Proposed Loading Dock
- Proposed Drill Pad
- Proposed Dredging Area**
- ▨ Bottom of Cut
- ▨ Side Slope

PROPOSED DREDGING, DRILLING, PIPELINE BORE, SHORELINE STABILIZATION & DREDGE MATERIAL DISPOSAL SAN BERNARD NATIONAL WILDLIFE REFUGE BRAZORIA COUNTY, TEXAS
 Endeavor Natural Gas, LP
 1201 Louisiana, Suite 3350
 Houston, Texas 77002



Endeavor Natural Gas, LP
 Brazoria County, TX
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DETAIL PLAN VIEW 2
Proposed Dredging, Drilling & Beneficial Shoreline Stabilization
Endeavor Natural Gas, LP - Cowtrap Lake Prospect
San Bernard National Wildlife Refuge
Brazoria County, Texas

Notes:
 Base map source: 0.5-meter NAIP imagery obtained online from TNRS; Brazoria County, 2009.
 All Elevations are in feet, Mean Lower Low Water (MLLW). MLLW and NAVD 88 are equal in elevation according to CBI Station no. 526; San Luis Pass and an OPUS solution obtained from the National Geodetic Survey.
 Prepared by Belaire Environmental, Inc., November 19, 2012 (BPH). For planning and permitting only, not for construction.



Permitting Notes:
 -No wetland impacts will result from dredging, drilling, or dredge material disposal.
 -Approx. 2,500 cu yds of earthen material will be mechanically dredged for barge access to the proposed drilling pad. At the request of the San Bernard National Wildlife Refuge, approx. 1,050 cu yds of material will be beneficially placed immediately northeast of the proposed pad for shoreline restoration. Excess dredge material (Approx. 1,450 cu yds) will be placed in the proposed confined 0.59 acre disposal area.
 -The proposed disposal area will be graded to a finished elevation that varies from approx. +4 ft MLLW at the southwestern portion of the disposal site to approx. +3 ft MLLW at the northeastern portion of the disposal site. An approx. 1 ft thick layer of dredge material will be placed within the disposal site. The finished grade after the placement of material within the site will be approx. +5 ft MLLW in the southwestern portion of the site and approx. +4 ft MLLW in the northeastern portion of the site, allowing for site drainage to the northeast through the proposed rock stormwater filter berm and hay bale BMPs.
Map Notes:
 -BEI selected a 2009 satellite image for this Plan View due to high resolution and quality.
 -Due to ongoing erosion from the adjacent GIWW, and possibly small spatial inaccuracies of the satellite image, the proposed drilling pad and proposed bulkhead appear to be set back from the existing shoreline bluff, however the pad and bulkhead are actually situated to be at the bluff's edge, generally following the indicated "Upper Limit of USACE Jurisdiction" line shown as a dashed, yellow line.

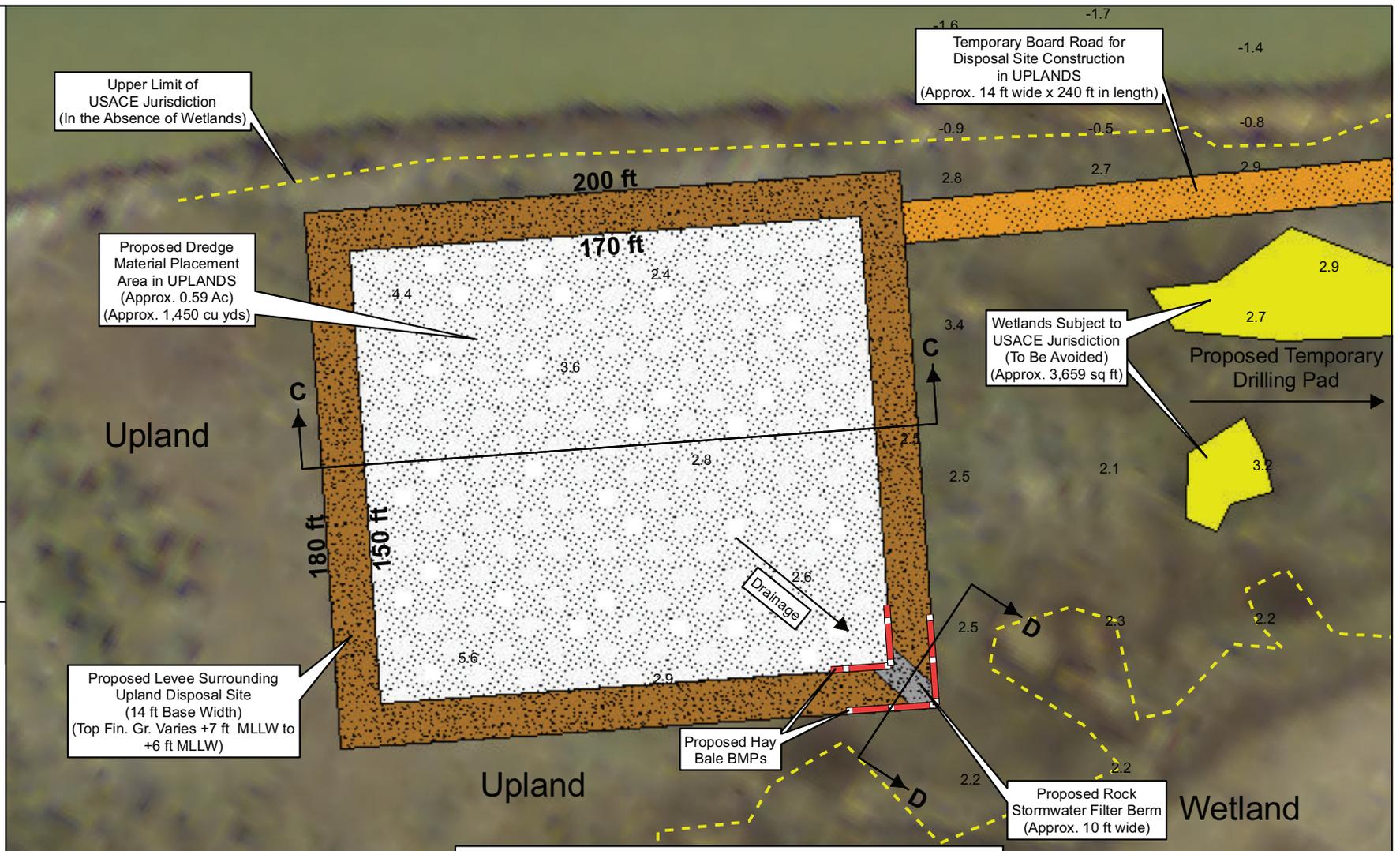
Legend

- ◆ Section B-B
- -7 ft MLLW Contour
- - - Upper Jurisdictional Boundary
- Proposed Shoreline Stabilization**
- Inner Levee Slope (Earthen Material)
- Levee Crown (Earthen Material)
- Outer Levee Slope (Articulated Mat)
- Stabilization Fill Area
- Jurisdictional Wetlands

PROPOSED DREDGING, DRILLING, PIPELINE BORE,
SHORELINE STABILIZATION & DREDGE MATERIAL DISPOSAL
SAN BERNARD NATIONAL WILDLIFE REFUGE
BRAZORIA COUNTY, TEXAS

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Brazoria County, TX
SWG-2012-00895
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DETAIL PLAN VIEW 3
Proposed Dredging, Drilling & Beneficial Shoreline Stabilization
Endeavor Natural Gas, LP - Cowtrap Lake Prospect
San Bernard National Wildlife Refuge
Brazoria County, Texas

Notes:
-Base map source: 0.5-meter NAIP imagery obtained online from TNRS; Brazoria County, 2009.
-All Elevations are in feet, Mean Lower Low Water (MLLW).
-MLLW and NAVD 88 are equal in elevation according to CBI Station no. 526; San Luis Pass and an OPUS solution obtained from the National Geodetic Survey.
-Prepared by Belaire Environmental, Inc., November 19, 2012 (BPH).
-For planning and permitting only, not for construction.



Permitting Notes:
-No wetland impacts will result from dredging, drilling, or dredge material disposal.
-Approx. 2,500 cu yds of earthen material will be mechanically dredged for barge access to the proposed drilling pad. At the request of the San Bernard National Wildlife Refuge, approx. 1,050 cu yds of material will be beneficially placed immediately northeast of the proposed pad for shoreline restoration. Excess dredge material (Approx. 1,450 cu yds) will be placed in the proposed confined 0.59 acre disposal area.
-The proposed disposal area will be graded to a finished elevation that varies from approx. +4 ft MLLW at the southwestern portion of the disposal site to approx. +3 ft MLLW at the northeastern portion of the disposal site. An approx. 1 ft thick layer of dredge material will be placed within the disposal site. The finished grade after the placement of material within the site will be approx. +5 ft MLLW in the southwestern portion of the site and approx. +4 ft MLLW in the northeastern portion of the site, allowing for site drainage to the northeast through the proposed rock stormwater filter berm and hay bale BMPs.

Map Notes:
-BEI selected a 2009 satellite image for this Plan View due to high resolution and quality.
-Due to ongoing erosion from the adjacent GIWW, and possibly small spatial inaccuracies of the satellite image, the proposed drilling pad and proposed bulkhead appear to be set back from the existing shoreline bluff, however the pad and bulkhead are actually situated to be at the bluff's edge, generally following the indicated "Upper Limit of USACE Jurisdiction" line shown as a dashed, yellow line.

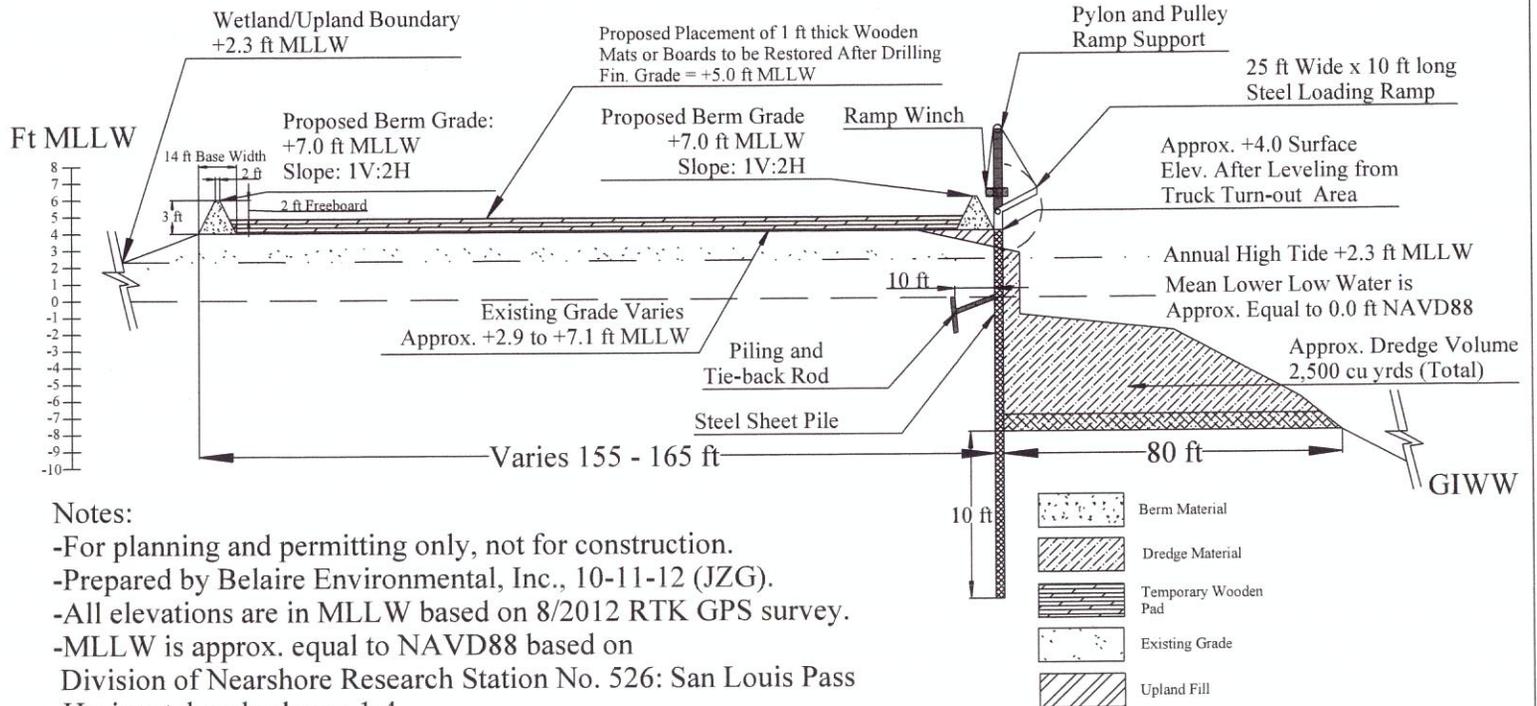
Legend

- ◆ Section Locations
- - - Upper Jurisdictional Boundary
- Jurisdictional Wetlands
- ▬ Proposed Hay Bale BMP
- ▨ Proposed Temporary Board Road
- Proposed Disposal Site**
- ▤ Dredge Material Placement Area
- ▩ Ring Levee
- ▧ Rock Stormwater Filter

OCT 2 2 2012

Section A-A

Cross-Section View of Proposed Drilling Pad & Dredging Area
 Endeavor Natural Gas, LP
 Brazoria County, Texas
 September 26, 2012



- Notes:
- For planning and permitting only, not for construction.
 - Prepared by Belaire Environmental, Inc., 10-11-12 (JZG).
 - All elevations are in MLLW based on 8/2012 RTK GPS survey.
 - MLLW is approx. equal to NAVD88 based on Division of Nearshore Research Station No. 526: San Louis Pass
 - Horizontal scale shown 1:4.
 - Silt fence will be installed on the outer perimeter of the berms.

PROPOSED DREDGING, DRILLING, PIPELINE BORE,
 SHORELINE STABILIZATION & DREDGE MATERIAL DISPOSAL
 SAN BERNARD NATIONAL WILDLIFE REFUGE
 BRAZORIA COUNTY, TEXAS
 Endeavor Natural Gas, LP
 1201 Louisiana, Suite 3350
 Houston, Texas 77002

Endeavor Natural Gas, LP
 Brazoria County, TX
 SWG-2012-00895
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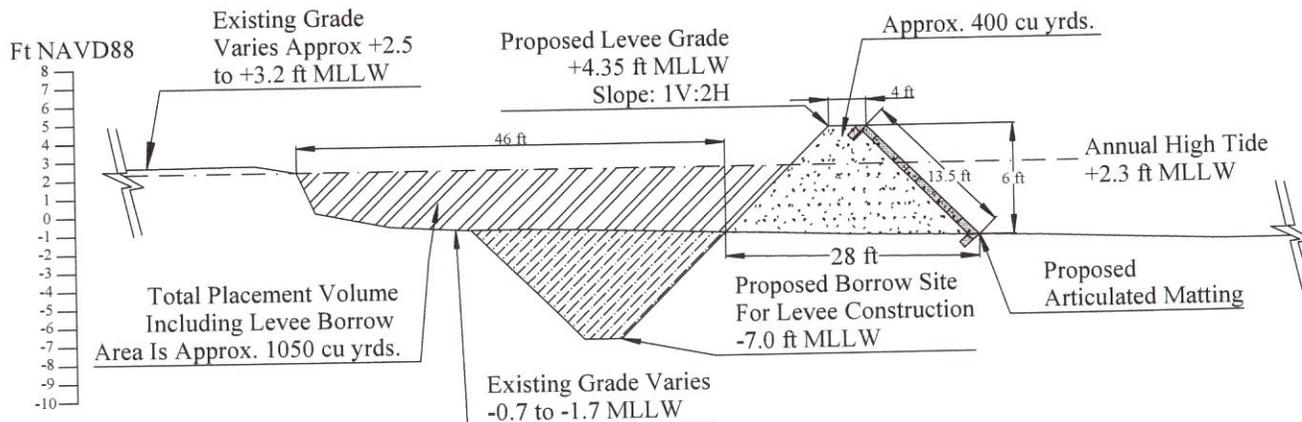
OCT 22 2012

PROPOSED DREDGING, DRILLING, PIPELINE BORE,
SHORELINE STABILIZATION & DREDGE MATERIAL DISPOSAL
SAN BERNARD NATIONAL WILDLIFE REFUGE
BRAZORIA COUNTY, TEXAS
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TX
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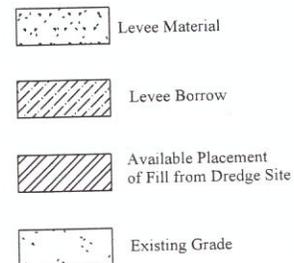
Section B-B

Cross-Section View of Proposed
Shoreline Stabilization Area
Endeavor Natural Gas, LP
Brazoria County, Texas
October 5, 2012



Notes:

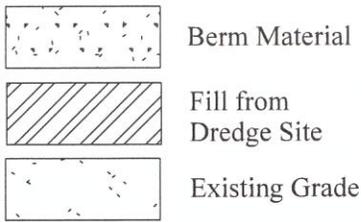
- For planning and permitting only, not for construction.
- Prepared by Belaire Environmental, Inc., 10-5-12 (JZG).
- All elevations are in MLLW based on 8/2012 RTK GPS survey.
- MLLW is approx. equal to NAVD88 based on
Division of Nearshore Research Station No. 526: San Louis Pass
- Horizontal scale shown 1:2.



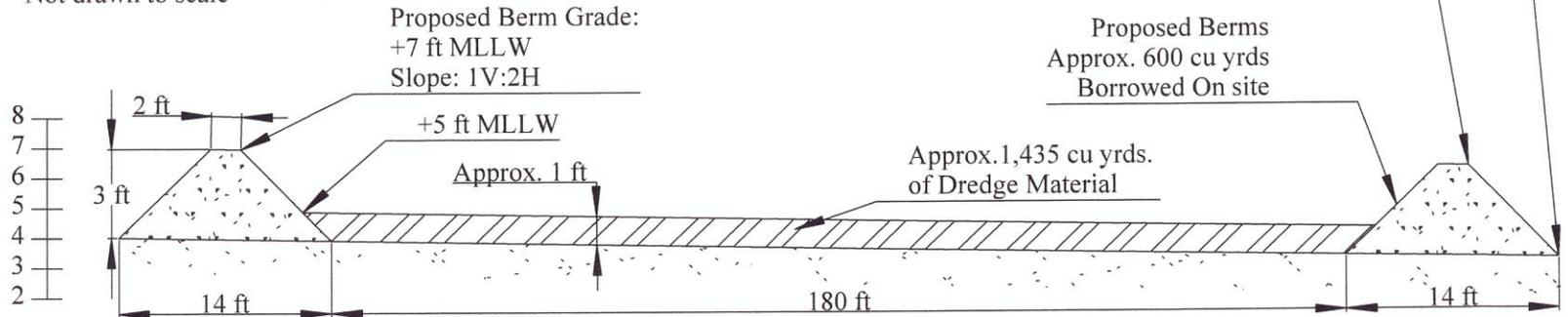
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Section C-C

Cross-Section View of Proposed Upland Disposal Site
 Endeavor Natural Gas, LP
 Brazoria County, Texas
 September 26, 2012



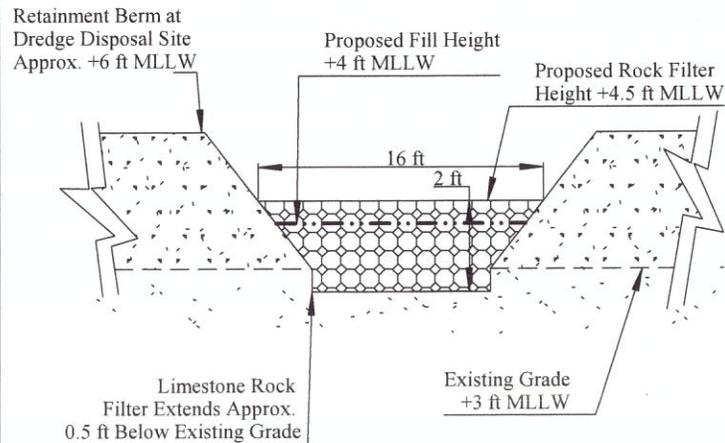
-Not drawn to scale



PROPOSED DREDGING, DRILLING, PIPELINE BORE,
 SHORELINE STABILIZATION & DREDGE MATERIAL DISPOSAL
 SAN BERNARD NATIONAL WILDLIFE REFUGE
 BRAZORIA COUNTY, TEXAS
 Endeavor Natural Gas, LP
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 Brazoria County,
 TX
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Section D-D Rock Stormwater Filter Berm



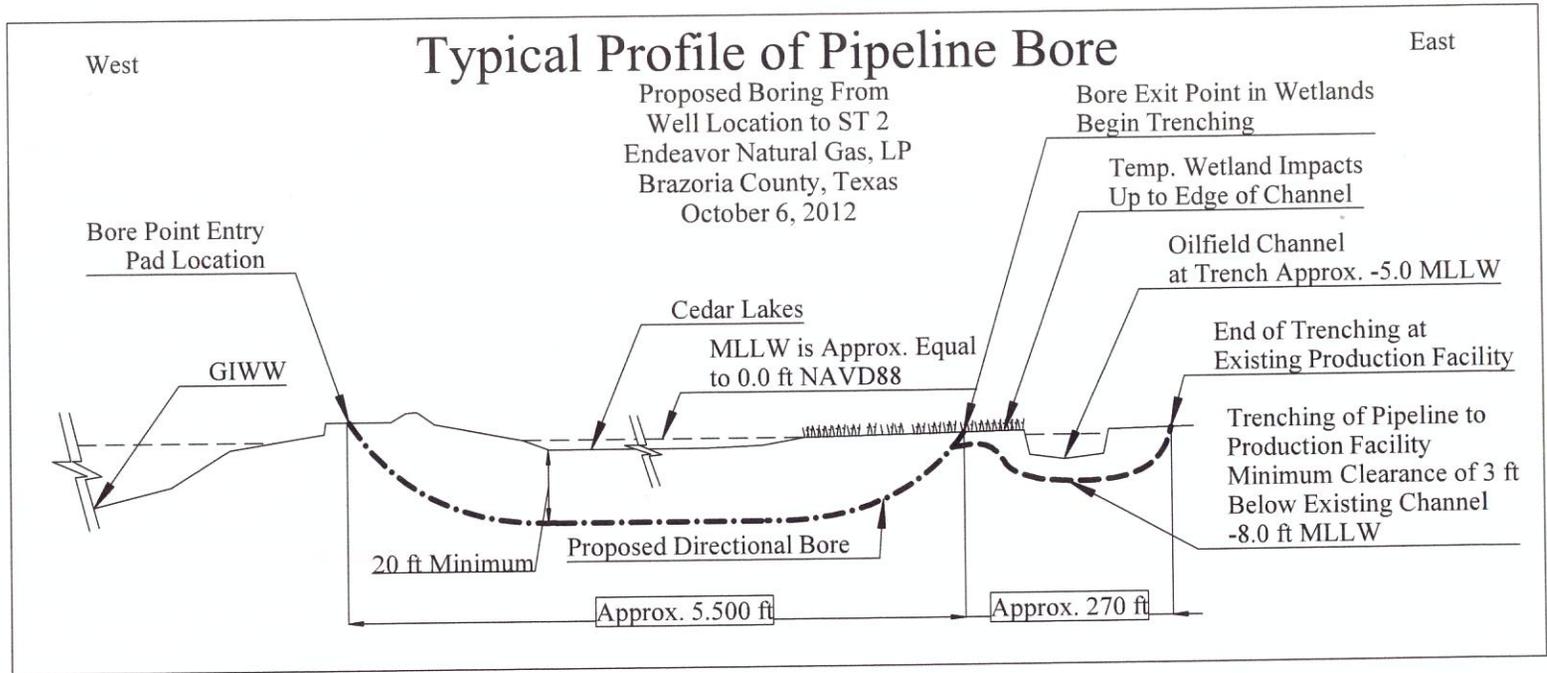
Notes:

- For planning and permitting only, not for construction.
- Material for berms will come from within upland disposal area.
- Prepared by Belaire Environmental, Inc., 10-1-12 (JZG).
- The disposal area will be graded to a finished elevation that varies from approx. +4 ft MLLW at the southwestern portion of the disposal site to approx. +3 ft MLLW at the southwestern portion of the disposal site to approx. +3 ft MLLW at the northeastern portion of the disposal site. An approx. 1 ft layer of dredge material will be mechanically placed within the disposal site. The finished grade after the placement of material within the site will be approx. +5 ft MLLW in the southwest portion of the site and approx. +4 ft MLLW in the northeastern portion of the site, allowing for site drainage to the northeast through the proposed rock stormwater filter berm and hay bale BMP's.
- All elevations are in MLLW based on 8/2012 RTK GPS survey.
- MLLW is approx. equal to NAVD88 based on Division of Nearshore Research Station No. 526: San Louis Pass

OCT 22 2012

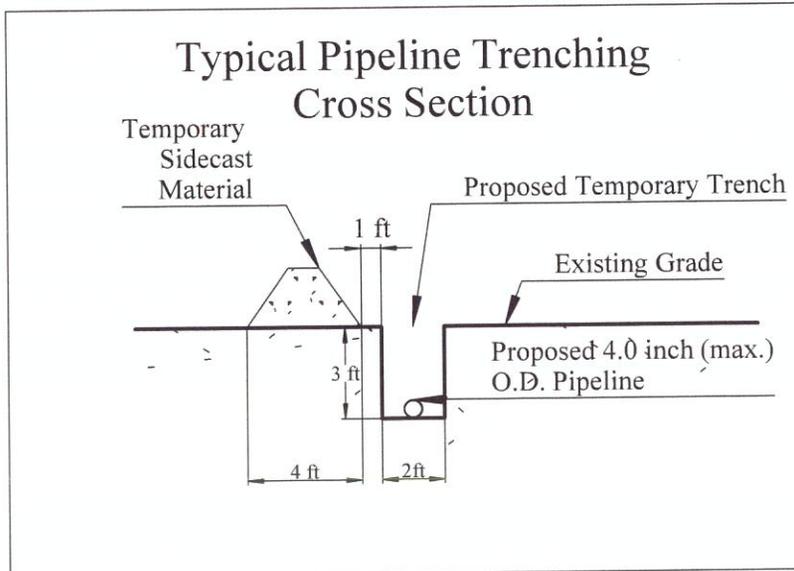
PROPOSED DREDGING, DRILLING, PIPELINE BORE,
SHORELINE STABILIZATION & DREDGE MATERIAL DISPOSAL
SAN BERNARD NATIONAL WILDLIFE REFUGE
BRAZORIA COUNTY, TEXAS
Endeavor Natural Gas, LP
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Houston, Texas 77002

Typical Profile of Pipeline Bore



Endeavor Natural Gas, LP
Brazoria County, TX
SWG-2012-00895
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Typical Pipeline Trenching Cross Section



Notes:

- For planning and permitting only, not for construction.
- Prepared by Belaire Environmental, Inc., 10-5412217700.
- All elevations are in MLLW based on 8/2012 RTK GPS survey.
- MLLW is approx. equal to NAVD88 based on Division of Nearshore Research Station No. 526: San Louis Pass
- Not drawn to scale
- Proposed pipeline trenching is approx. 267 linear ft.
- Approx. 492 sq ft of temporary wetland impacts will result from pipeline trenching.
- Approx. 900 sq ft of temporary wetland impacts will result from construction of the temporary 30 ft x 30 ft pipeline bore work area.
- Total temporary jurisdictional impacts - Approx. 1,392 sq ft.
- All temporary impacts will be restored within 180 days of initiation of work in jurisdictional areas.
- No seagrasses or oysters will be impacted by the proposed pipeline boring or trenching.