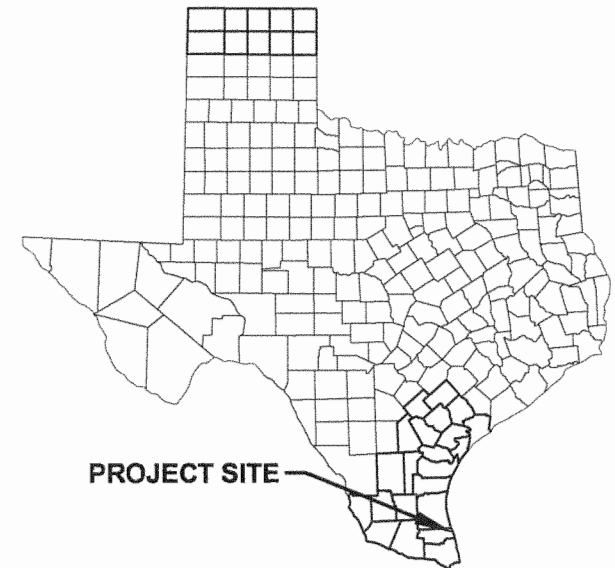


SWG-2012-00203



INDEX TO SHEETS

1. VICINITY AND PROJECT LOCATION MAP
2. SITE PLAN
3. PROPOSED EXCAVATION OF EXITING EAST CHANNEL
4. SEDIMENT TRAP
5. DREDGE MATERIAL PLACEMENT AREAS



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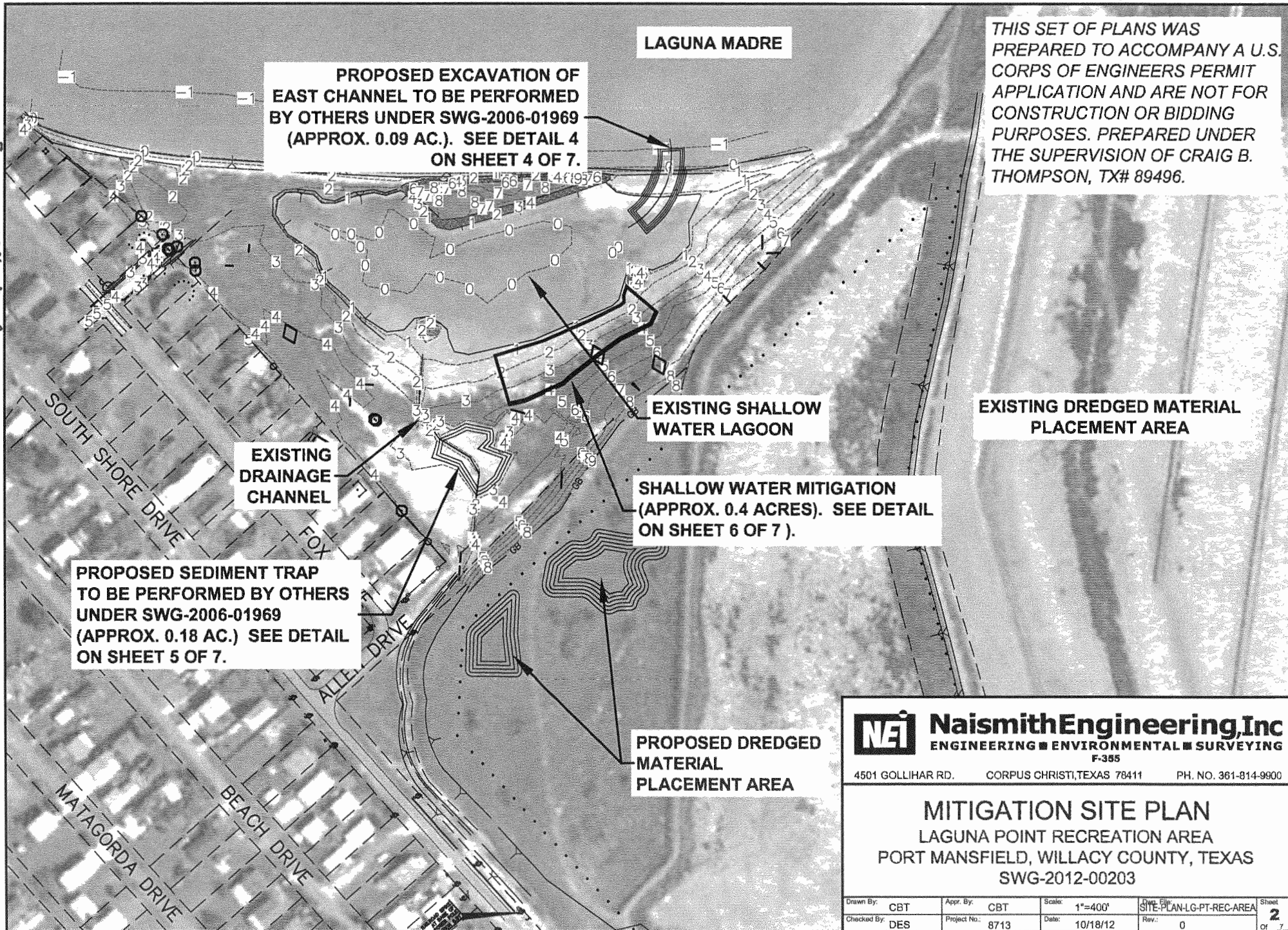
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VICINITY AND PROJECT LOCATION MAP

LAGUNA POINT RECREATION AREA
PORT MANSFIELD, WILLACY COUNTY, TEXAS
SWG-2012-00203

Drawn By: CBT	Appr. By: CBT	Scale: 1"=400'	Site Plan-LG-PT-REC-AREA	Sheet 1
Checked By: DES	Project No.: 8713	Date: 10/18/12	Rev.: 0	of 7

SWG-2012-00203



THIS SET OF PLANS WAS PREPARED TO ACCOMPANY A U.S. CORPS OF ENGINEERS PERMIT APPLICATION AND ARE NOT FOR CONSTRUCTION OR BIDDING PURPOSES. PREPARED UNDER THE SUPERVISION OF CRAIG B. THOMPSON, TX# 89496.

PROPOSED SEDIMENT TRAP TO BE PERFORMED BY OTHERS UNDER SWG-2006-01969 (APPROX. 0.18 AC.) SEE DETAIL ON SHEET 5 OF 7.

PROPOSED EXCAVATION OF EAST CHANNEL TO BE PERFORMED BY OTHERS UNDER SWG-2006-01969 (APPROX. 0.09 AC.). SEE DETAIL 4 ON SHEET 4 OF 7.

LAGUNA MADRE

EXISTING DRAINAGE CHANNEL

EXISTING SHALLOW WATER LAGOON

SHALLOW WATER MITIGATION (APPROX. 0.4 ACRES). SEE DETAIL ON SHEET 6 OF 7.

EXISTING DREDGED MATERIAL PLACEMENT AREA

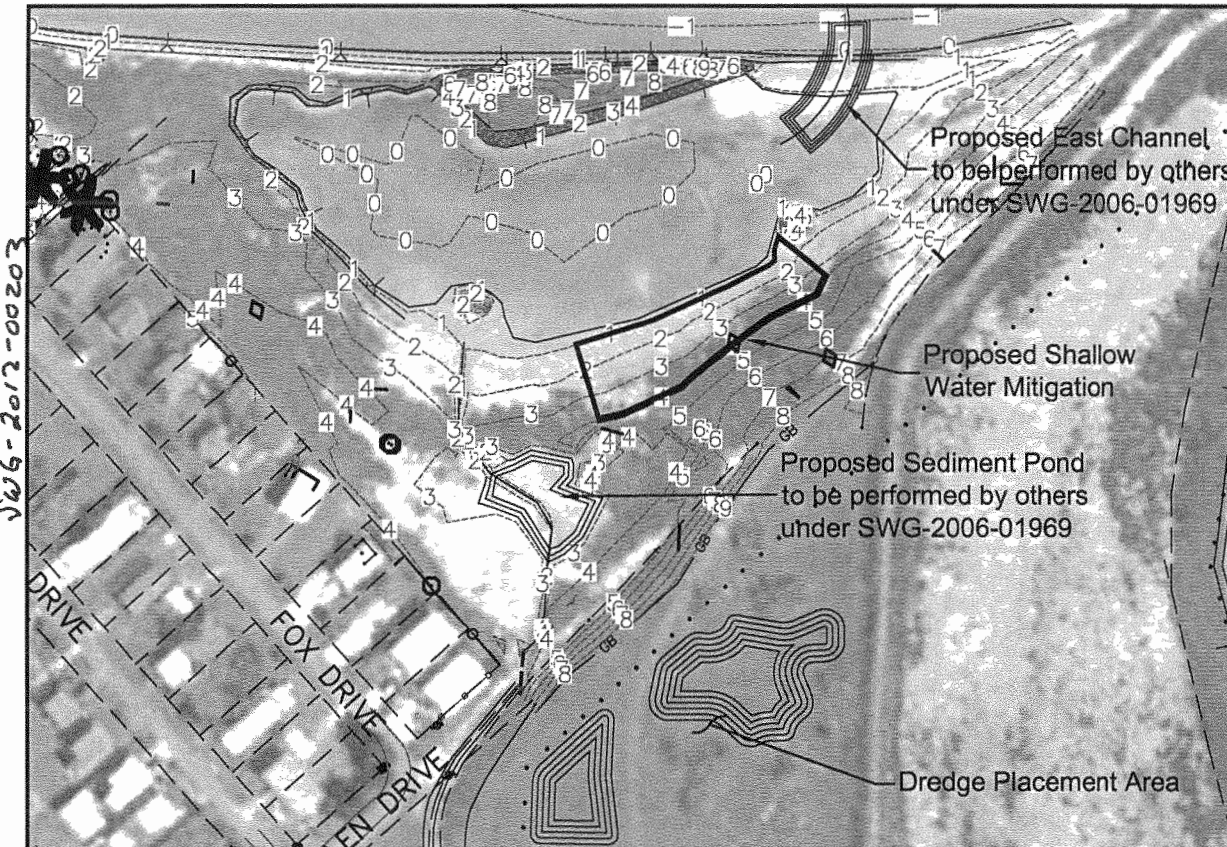
PROPOSED DREDGED MATERIAL PLACEMENT AREA

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MITIGATION SITE PLAN
LAGUNA POINT RECREATION AREA
PORT MANSFIELD, WILLACY COUNTY, TEXAS
SWG-2012-00203

Drawn By: CBT	Appr. By: CBT	Scale: 1"=400'	Drawn By: CBT	Sheet 2
Checked By: DES	Project No.: 8713	Date: 10/18/12	Rev.: 0	Of 7

Plan
1"=50'

**WETLAND SILT**

Silt to be Removed = 6,557 C.Y.

MAINTENANCE DREDGING

153' x 30' West Channel	=	730 C.Y.
148' x 30' East Channel	=	523 C.Y.
Total Maintenance Dredging	=	1,253 C.Y.

THIS SET OF PLANS PREPARED FOR A
US ARMY CORPS OF ENGINEERS
PERMIT. NOT FOR CONSTRUCTION.
PREPARED UNDER THE SUPERVISION OF
CRAIG B. THOMPSON, P.E. - TX #89496.

SUMMARY TABLE

Capacity West Spoil Area	=	1,293 C.Y. with 1' of Freeboard
Capacity East Spoil Area	=	6,691 C.Y. with 1' of Freeboard
Total Capacity	=	7,984 C.Y. with 1' of Freeboard

Note:

Elevations based on 1988 NAVD Datum
Designation: LEGION 2
PID: AB0199

MAINTENANCE PLAN:

1. Construct east and west spoil embankments from material inside of the embankments.
2. Remove silt and place in east spoil area from near west channel.
3. Dredge west channel and place in west spoil area. Maintain one foot of freeboard.
4. Fill west spoil area then finish removal into east spoil area.
5. After material is dry transfer to permanent fill site as directed by Owner.



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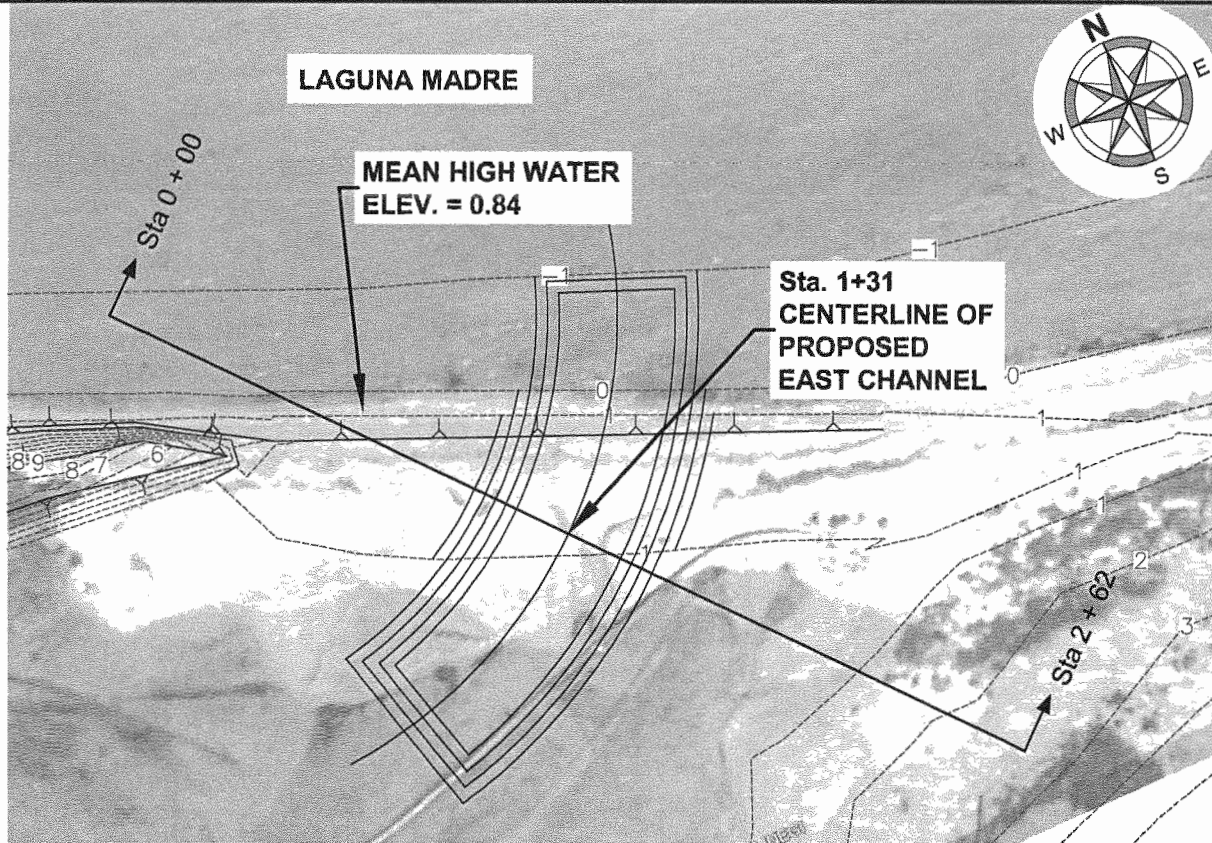
PH. NO. 361-814-9900

CUT / FILL QUANTITIES

LAGUNA POINT RECREATION AREA
PORT MANSFIELD, WILLACY COUNTY, TEXAS
SWG-2012-00203

Drawn By: CBT	Appr. By: CBT	Scale: 1"=400'	Site Plan-LG-PT-REC-AREA	Sheet 3
Checked By: DES	Project No.: 8713	Date: 10/18/12	Rev.: 0	Of 7

Attachment A - Mitigation Plan

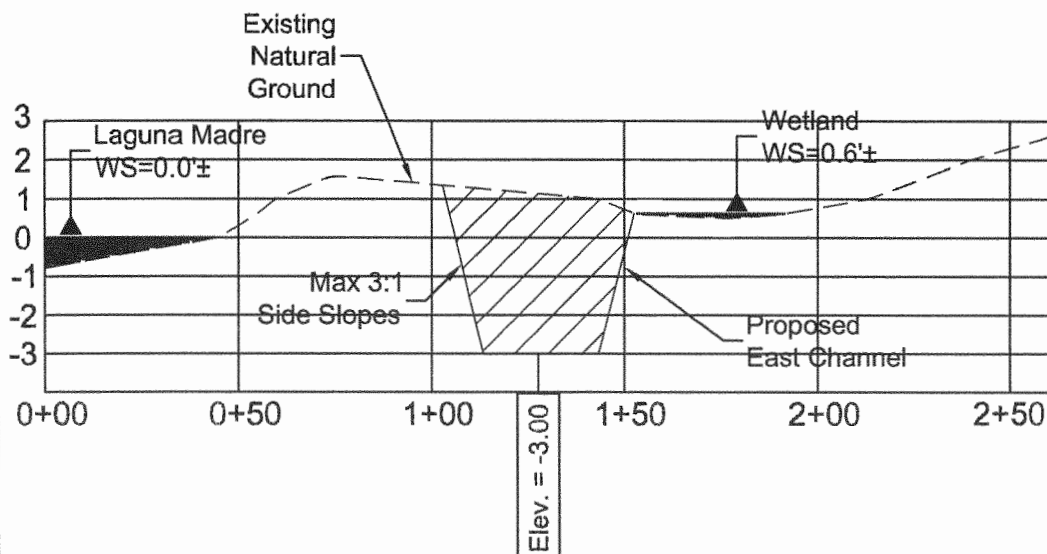


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Plan
1"=50'

MAINTENANCE DREDGING - EAST CHANNEL
135' x 30' East Channel = 695 C.Y.

MHW, Elev. = 0.84', was determined by the mean of the observed high water elevations obtained from the Texas Coastal Ocean Observation Network.



Profile
Horizontal: 1" = 50'
Vertical: 1" = 5'

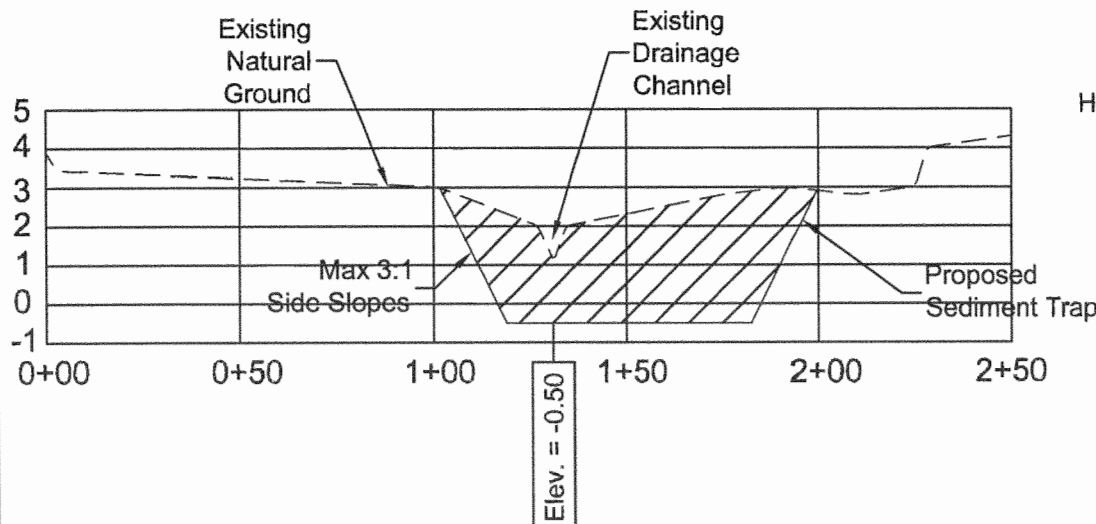
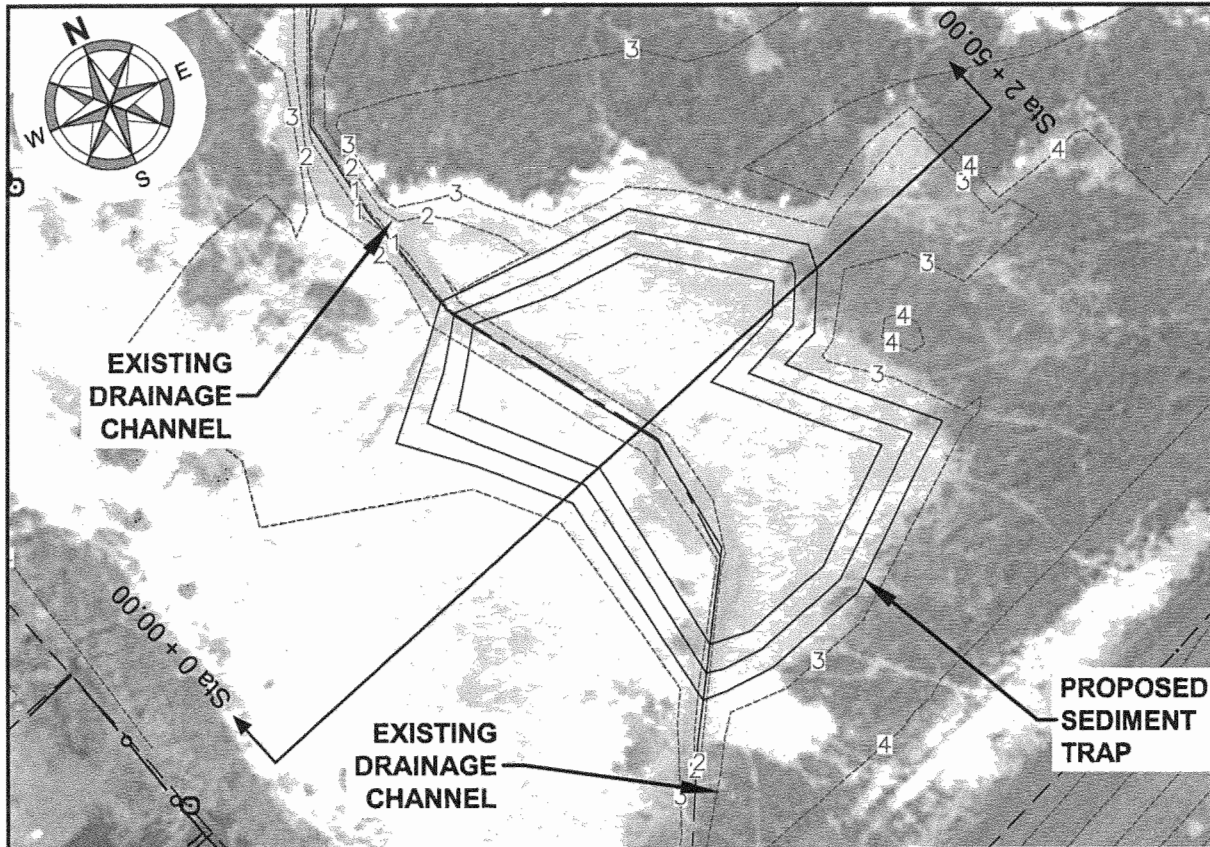
 NaismithEngineering, Inc ENGINEERING ■ ENVIRONMENTAL ■ SURVEYING F-355			
4501 GOLLIHAR RD.		CORPUS CHRISTI, TEXAS 78411	PH. NO. 361-814-9900
PROPOSED EXCAVATION OF EAST CHANNEL TO BE PERFORMED BY OTHERS UNDER SWG-2006-01969 LAGUNA POINT RECREATION AREA PORT MANSFIELD, WILLACY COUNTY, TEXAS			
Drawn By: CBT	Appr. By: CBT	Scale: 1"=400'	Drawn File: SITE-PLAN-LG-PT-REC-AREA
Checked By: DES	Project No.: 8713	Date: 10/18/12	Rev.: 0
			Sheet 4 of 7

Attachment A - mitigation Plan

THIS SET OF PLANS WAS PREPARED TO ACCOMPANY A U.S. CORPS OF ENGINEERS PERMIT APPLICATION AND ARE NOT FOR CONSTRUCTION OR BIDDING PURPOSES. PREPARED UNDER THE SUPERVISION OF CRAIG B. THOMPSON, 89496.

Plan
1"=50'

MAINTENANCE DREDGING - SEDIMENT TRAP
Sediment Trap (10,144 sq. ft. Surface Area) = 443 C.Y.



Profile
Horizontal: 1"=50'
Vertical: 1"=5'

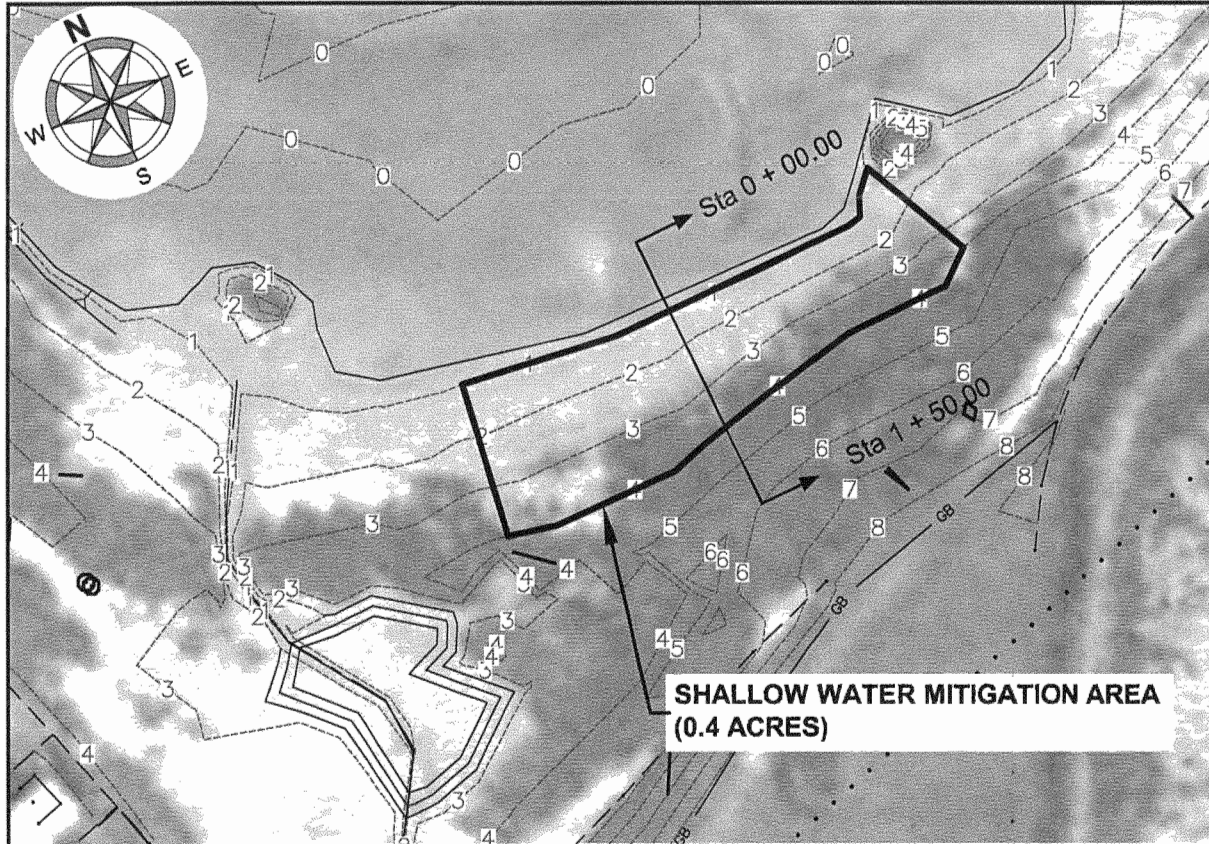
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PROPOSED SEDIMENT TRAP TO BE PERFORMED BY OTHERS UNDER SWG-2006-01969
LAGUNA POINT RECREATION AREA
PORT MANSFIELD, WILLACY COUNTY, TEXAS

Drawn By: CBT	Appr. By: CBT	Scale: 1"=400'	Site: SITE-PLAN-LG-PT-REC-AREA	Sheet 5
Checked By: DES	Project No.: 8713	Date: 10/18/12	Rev.: 0	Of 7

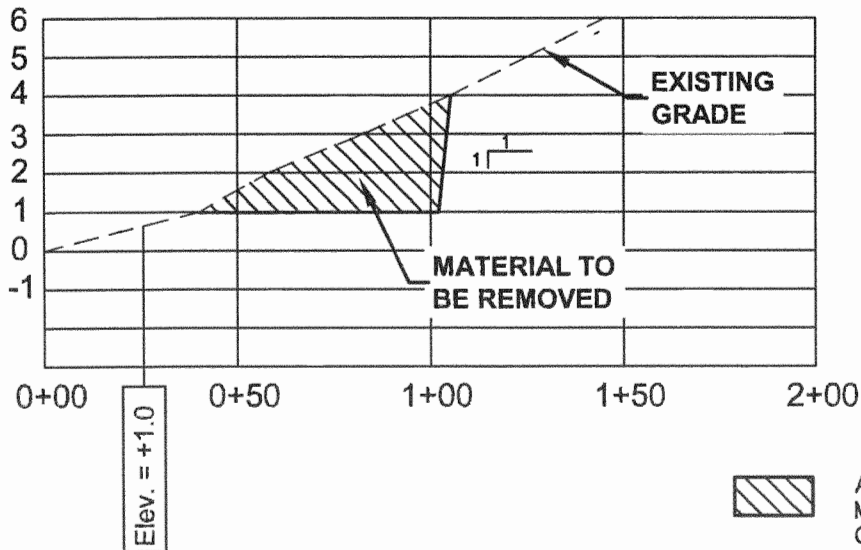
Attachment A - Mitigation Plan

SWG-2012-00203



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Plan
1"=100'



Profile
Horizontal: 1"=50'
Vertical: 1"=5'



APPROXIMATELY 979 C.Y. OF MATERIAL WILL BE REMOVED TO CREATE 0.4 ACRES OF SHALLOW WATER HABITAT.

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SHALLOW WATER HABITAT
LAGUNA POINT RECREATION AREA
PORT MANSFIELD, WILLACY COUNTY, TEXAS
SWG-2012-00203

Drawn By: CBT	Appr. By: CBT	Scale: 1"=400'	SHEET NO. SITE-PLAN-LG-PT-REC-AREA	Sheet 6
Checked By: DES	Project No.: 8713	Date: 10/18/12	Rev.: 0	OF 7

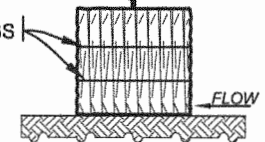
Attachment A - Mitigation Plan

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Plan
1" = 60'

2" x 2" WOODEN STAKE
OR 3/8" DIAMETER
STEEL BAR

BINDINGS



STRAW BALE
NOT TO SCALE

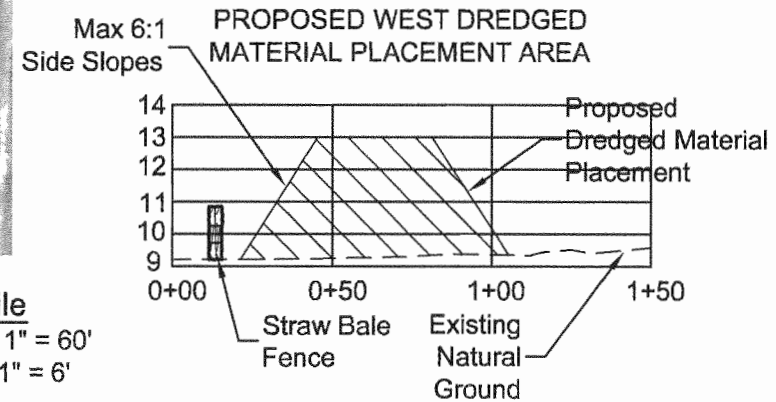
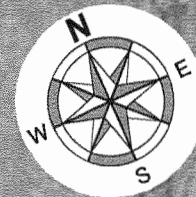
EAST SPOIL AREA
Capacity = 998 C.Y.

WEST SPOIL AREA
Capacity = 397 C.Y.

**STRAW BALE
FENCE (POLLUTION
PREVENTION BMP)**

**CROSS SECTION OF
WEST DREDGED MATERIAL
PLACEMENT AREA**

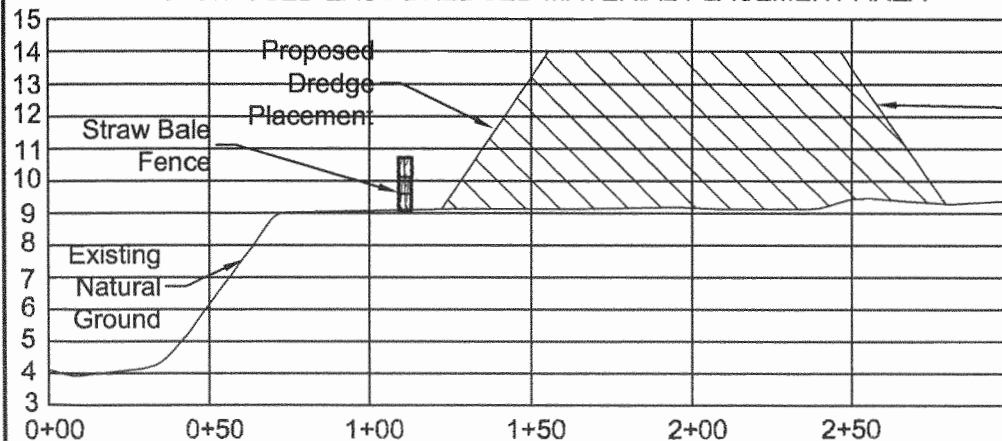
**CROSS SECTION OF
EAST DREDGED MATERIAL
PLACEMENT AREA**



Profile
Horizontal: 1" = 60'
Vertical: 1" = 6'

Max 6:1
Side Slopes

PROPOSED EAST DREDGED MATERIAL PLACEMENT AREA



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DREDGED MATERIAL PLACEMENT AREA
LAGUNA POINT RECREATION AREA
PORT MANSFIELD, WILLACY COUNTY, TEXAS
SWG-2012-00203

Drawn By: CBT	Appr. By: CBT	Scale: 1"=400'	Rev. No.: 0	Sheet 7 of 7
Checked By: DES	Project No.: 8713	Date: 10/18/12		