

USGS MAP WITH PROJECT LOCATION
NOT TO SCALE

CH2MHILL.

555 N. CARANCAHUA, SUITE 310
CORPUS CHRISTI, TEXAS 78401
TEL: 1.361.888.8100
FAX: 1.361.888.8600
TBPE FIRM NO. F-2297

INTERSTATE GRAIN CORPORATION
CORPUS CHRISTI, TEXAS

MAINTENANCE DREDGING

PROJ. NO. 372214

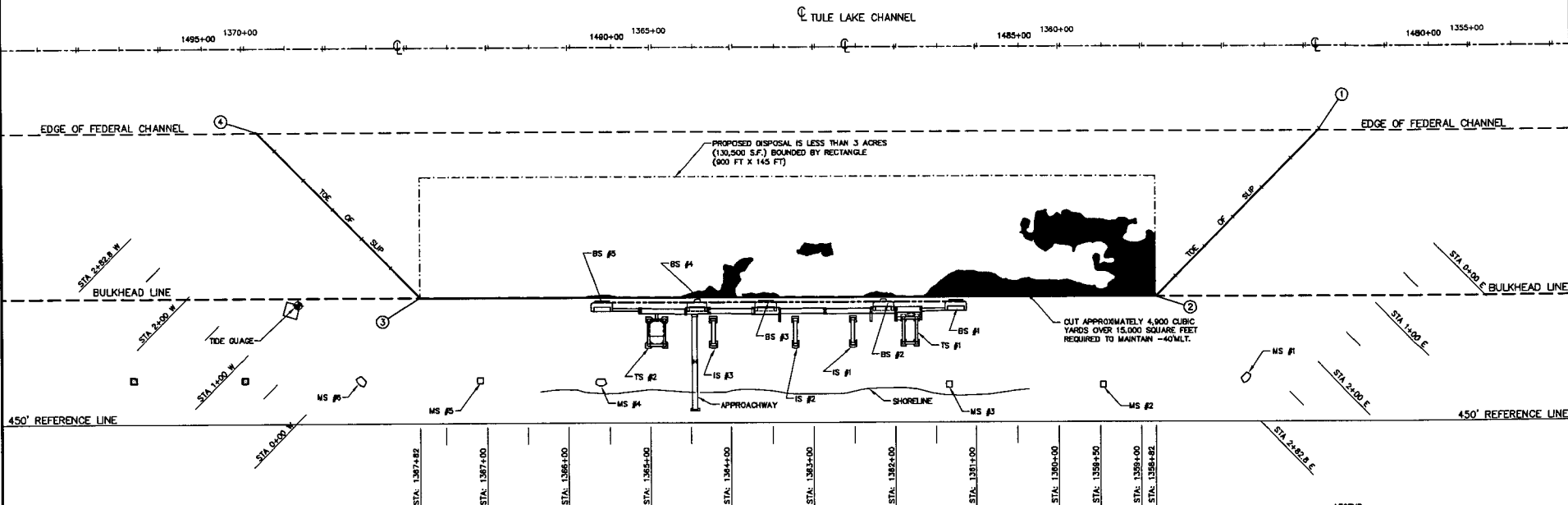
DATE: 7-12-12

DWG. 1

1. HYDROGRAPHIC SURVEY PERFORMED ON JULY 7 & 10, 2010 BY CRITCHEL, LLC. FOR GOLDSTON ENGINEERING A CH2M HILL COMPANY AND MAY DEFER AT TIME OF REDISTRIBUTION. A NEW SURVEY WILL BE PROVIDED PRIOR TO WORK.
2. CONTOURS WERE REMOVED FOR CLARIFICATION.
3. HORIZONTAL POSITIONS WERE DERIVED USING A HEMISPHERE DUAL-ANTENNA GPS SYSTEM WITH DIFFERENTIAL CORRECTIONS FROM THE ARANAS PASS COAST GUARD STATION.
4. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (1993), STATE PLANE COORDINATE SYSTEM, TEXAS SOUTH ZONE (U.S. SURVEY FEET).
5. SOUNDINGS ARE TIDE CORRECTED USING THE USAGE MEAN LOW TIDE (MLT) VERTICAL DATUM. THE TIDE STAFF USED IS LOCATED ON A CHANNEL RANGE LIGHT STRUCTURE JUST WEST OF THE INTERESTING GRAIN COCK TERMINAL. TIDE READINGS FOR THIS SURVEY VARIED FROM +3.3 TO +5.8 M.T (C) A -4.0 SOUNDING CORRECTION WAS APPLIED TO THE TIDE STAFF. THE TIDE STAFF REPRESENTS A REAL TIME DEPTH OF -48.0'. DUE TO VARIATIONS IN TIDAL DATA, CURRENT MEASUREMENTS OF THE TIDE STAFF SHOULD BE TAKEN TO ACCURATELY DETERMINE FUTURE REAL-TIME DEPTHS.
6. SOUNDING EQUIPMENT CONSISTED OF AN ODOM E53 MULTIBEAM HIGH FREQUENCY ECHOSOUNDER SYSTEM.
VELOCITY: 5060 (VERIFIED WITH MANUAL BAR CHECK READINGS).
DRAFT: 1.51 (MEASURED).
SOUNDING: HIGH RESOLUTION.

DREDGE QUANTITIES		
ELEVATION	VOLUMES	
-40' MLT	4,900	CUBIC YARDS
2' OD	3,400	CUBIC YARDS

REVISIONS			
MARK	DATE	DESCRIPTION	BY



- G1. THE LOCATION OF THE BULKHEAD LINE IS BASED ON GRAPHICAL INFORMATION PROVIDED BY THE PORT OF CORPUS CHRISTI.
- G2. THE SLIP TEMPLATE IS BASED ON THE TEMPLATE AS SHOWN ON THE AFTER DREDGE CONTOUR PLAN DRAWING DATED 03-02-04 PREPARED BY MAVERICK ENGINEERING, INC. AND PROVIDED BY INTERSTATE GRAIN CORP.
- G3. CENTERLINE STATIONING FOR THE CORPUS CHRISTI SHIP CHANNEL IS PROVIDED FOR GRAPHIC REFERENCE ONLY. STATIONING CHANGES WITH C&D STATIONS PROVIDED BY PCCA.

- ① X=1317850.40
Y=17187183.65
- ② X=1317812.22
Y=17187031.10
- ③ X=1316733.08
Y=17187223.77
- ④ X=1316580.54
Y=17187461.85

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UNDER THE AUTHORITY
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P.E. # 55037
ON 07-13-2012
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PURPOSE



GOLDSTON ENGINEERING
A **CH2MHILL** Company
TBPE Firm No. 2297

DESIGN	WPA	DATE	07/13/12	SITE LAYOUT REDISTRIBUTION PLAN				REV.
DRAWN	EJG	DATE	07/13/12					
CHECKED		DATE		PROJ. NO.	408138	SCALE	1 SHEET OF 2	
APPROVED	SAF	DATE	07/13/12	ORIG. NO.		SHOWN		

LEGEND:

CUT APPROXIMATELY 4,900 CUBIC YARDS OVER 15,000 SQUARE FEET REQUIRED TO MAINTAIN -40"MLT.

COUNTY OF NUECES

INTERSTATE GRAIN CORPORATION
HYDROGRAPHIC SURVEY 2010

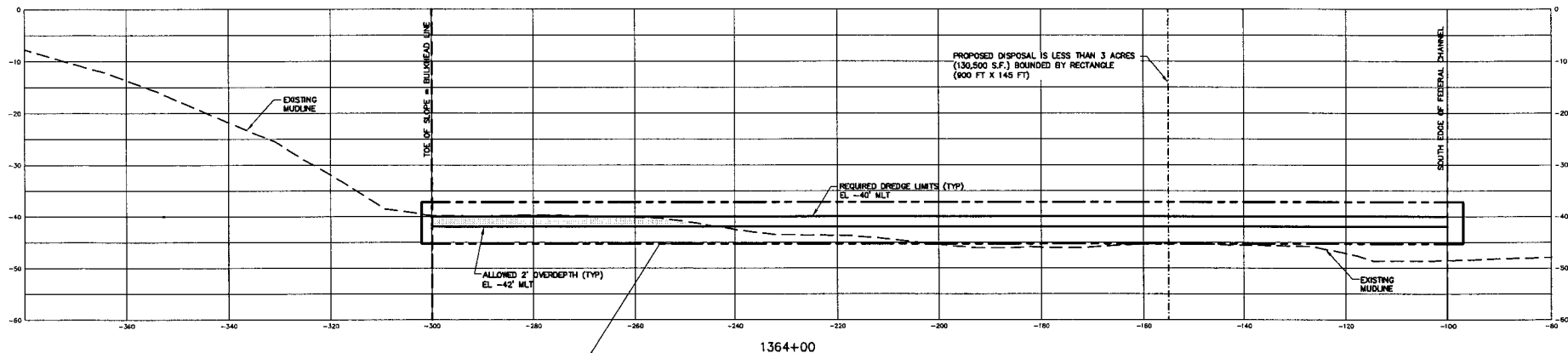
CORPUS CHRISTI, TEXAS

SITE LAYOUT REDISTRIBUTION PLAN

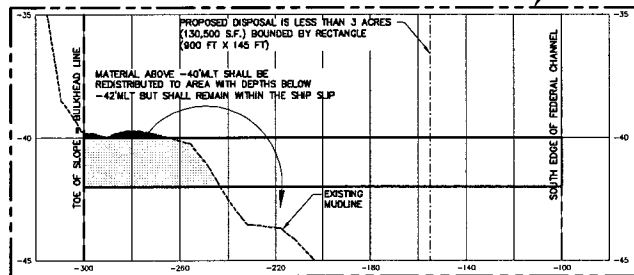
PROJ. NO. 408138	SCALE	1 SHEET OF 2	REV.
DWG. NO.	SHOWN		

P:\Interstate\Grain_408136\cdock\cdock.dwg USER: XS Sheet: 1364+00

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1364+00



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 GOLDSTON ENGINEERING A CH2MHILL Company TBPE Firm No. 2297	COUNTY OF NUECES	
	INTERSTATE GRAIN CORPORATION HYDROGRAPHIC SURVEY 2010	
DESIGN WPA	DATE 07/13/12	CORPUS CHRISTI, TEXAS
DRAWN E.J.G.	DATE 07/13/12	REDISTRIBUTION CROSS SECTION STA AT 1364+00
CHECKED	DATE	PROJ. NO. 408136
APPROVED SAF	DATE 07/13/12	SCALE 2" = 50'
		DRWG. NO.
		REV.