

EPIC Marine Terminal Dredging Construction Plans



for
EPIC Crude Terminal Company, LP
Corpus Christi, Texas

**PROPOSED PRIVATE IMPROVEMENTS
ON LEASE / EASEMENT PREMISES**

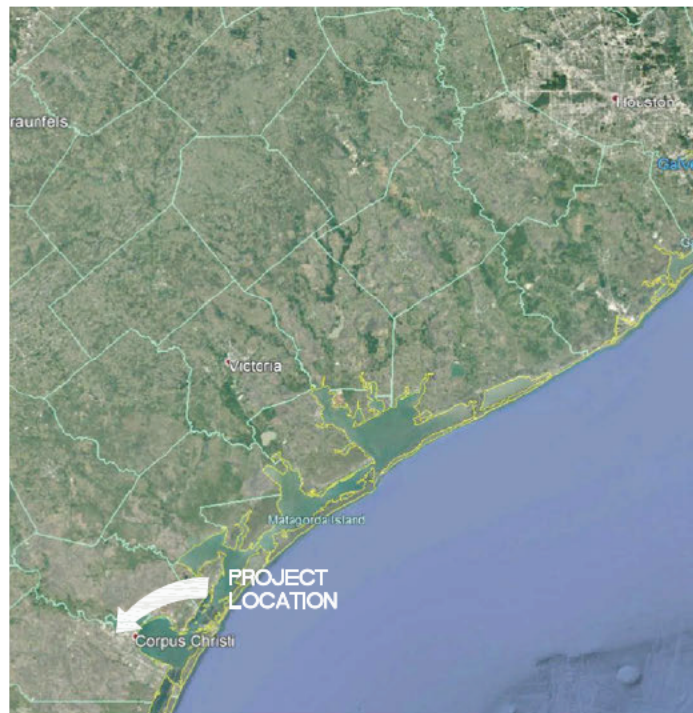
Information Reviewed: [Redacted]
 Reviewed By: [Redacted] P.E.
 No Objections [Redacted]
 Comments Noted
 Revise & Resubmit
 Review is for General Conformance
 with PCCA Requirements Only.

June 23, 2020

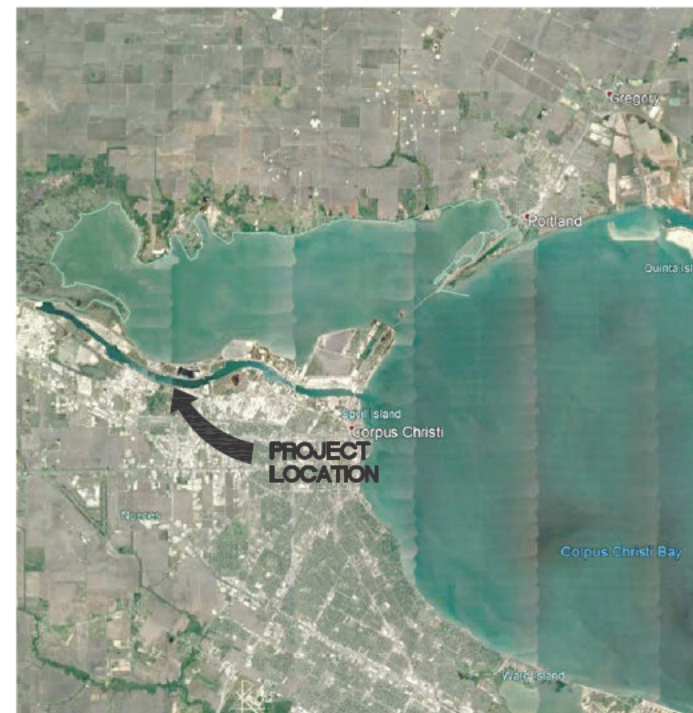


INDEX OF DRAWINGS

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GENERAL	
G1.1	TITLE SHEET AND INDEX OF DRAWINGS
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DR2.1	CROSS SECTIONS - 1
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DR3.1	DREDGE PIPELINE ROUTE



PROJECT VICINITY
N.T.S.



LOCATION MAP
N.T.S.

ISSUED FOR CONSTRUCTION

0	IFC DREDGE PLANS	6/22/20	WHC
AT FULL SIZE BAR IS ONE INCH			

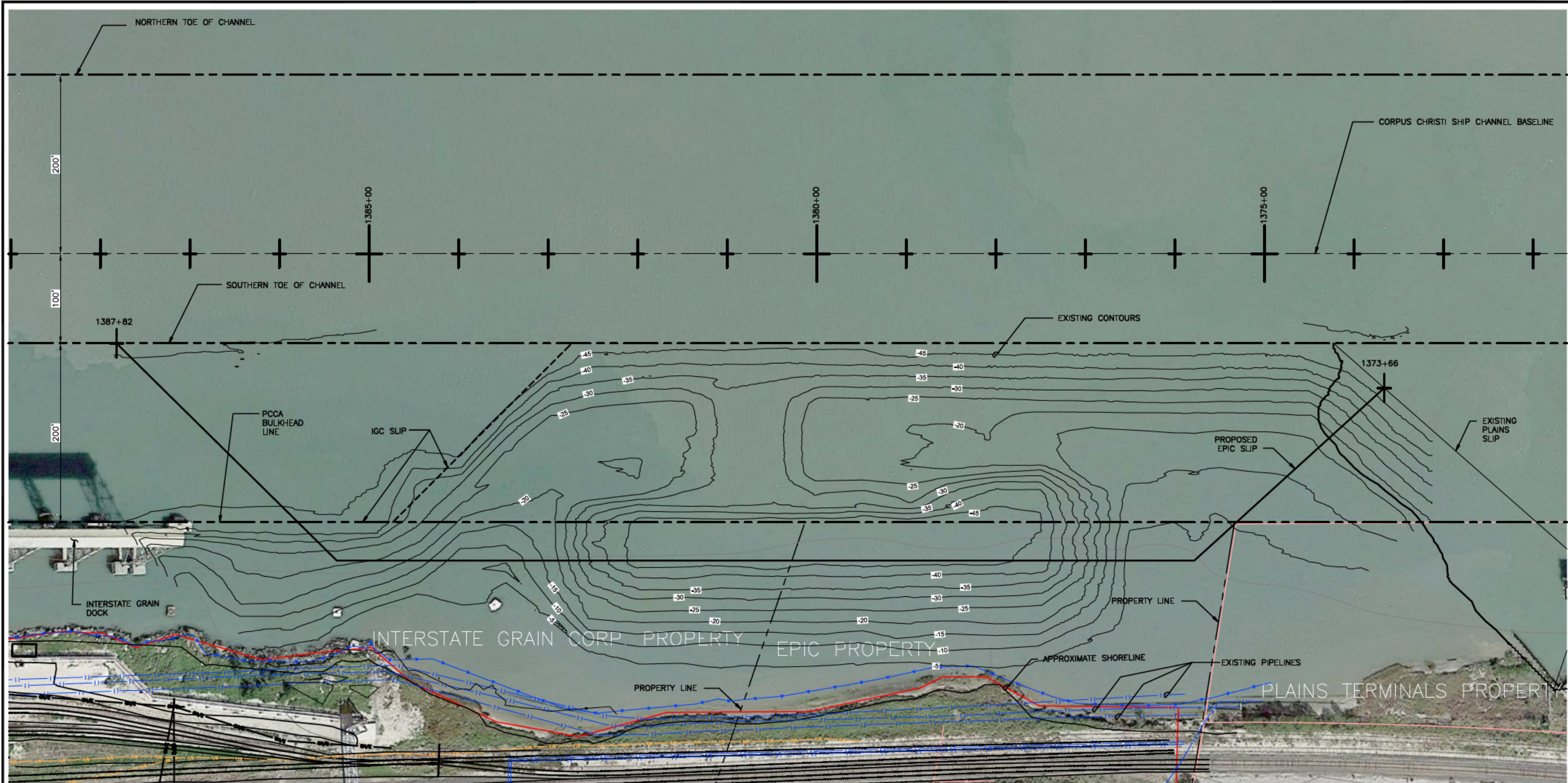
PROJ. NO. 10P-00230

DRAWING NO.

G1.1

PRINT DATE:
Tuesday, June 23, 2020
9:29am

Plot Time: Tuesday, June 23, 2020 - 9:31am. Plotted by: adeabrau
 File Name: I:\Projects\10P00230 - EPIC CRUDE TERM CORPUS CHRISTI\4.0 Drawings\4.10 Working\DREDGE CONST DWGS\10P230 a02_1 EXISTING SITE PLAN WITH CONTOURS.dwg Layout Name: MISC



PROJECT INFORMATION

1. THIS PROJECT SCOPE CONSISTS OF DREDGING THE EPIC MARINE TERMINAL WITHIN THE CORPUS CHRISTI SHIP CHANNEL.
2. BATHYMETRIC SURVEY DATA IS FROM ORION MARINE GROUP SURVEY ENTITLED, "ORION MARINE GROUP SINGLE BEAM SURVEY", 6-12-2020.
3. COORDINATES ARE BASED UPON THE TEXAS STATE PLANE COORDINATE SYSTEM FOR THE LAMBERT SOUTH ZONE NAD83 EPOCH 2002. ELEVATIONS ARE BASED ON MLLW AND MEASURED FROM A TIDE STAFF SET FROM USACE TIDE STAFF.
4. THE DESIGN DREDGE DEPTH FOR THE TERMINAL IS EL. -46.5 FT. MLLW, WITH AN ALLOWABLE 1 FT. OF OVER DREDGE.

GENERAL REQUIREMENTS

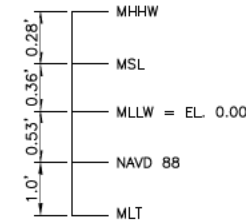
1. ALL DREDGING ACTIVITIES SHALL BE IN CONFORMANCE TO ALL PROJECT PERMIT REQUIREMENTS. REFER TO U.S. ARMY CORPS OF ENGINEERS PERMIT NO. SWG-2014-00559.
2. DREDGING ACTIVITIES SHALL NOT BLOCK OR IMPAIR SHIP TRAFFIC ALONG THE NAVIGATION CHANNEL.

GENERAL REQUIREMENTS

3. ALL BARGES AND FLOATING EQUIPMENT SHALL HAVE NAVIGATIONAL LIGHTS IN ACCORDANCE TO US COAST GUARD (USCG) REQUIREMENTS.
4. DREDGE PIPELINES THAT ARE FLOATING OR SUPPORTED ON TRESTLES SHALL DISPLAY PROPER LIGHTING DURING NIGHT AND RESTRICTED VIBILITY PERIODS. SUBMERGED PIPELINES SHALL BE MARKED WITH LIGHTED BUOYS.
5. DREDGE PIPELINES CROSSING ROADWAYS OR ACCESS ROUTES SHALL HAVE ADEQUATE FILL/COVER TO MAINTAIN ACCESS ON EITHER SIDE OF PIPELINE.
6. DREDGE MATERIAL PLACEMENT AREA OUTFALL WILL BE MAINTAINED AND OPERATED TO MEET OUTFALL WATER QUALITY STANDARDS LESS THAN 300 MG/L EFFLUENT DENSITY AS REQUIRED IN TECHNICAL SPECIFICATIONS AND USACE PERMIT NO. SWG-2014-00559.
7. CONTRACTOR SHALL COORDINATE WITH PORT OF CORPUS CHRISTI AUTHORITY AND UNITED STATES ARMY CORPS OF ENGINEERS RESIDENT ENGINEER TO CONFIRM DMPA NO. 2 (HERBIE A. MAURER DMPA) INGRESS AND EGRESS PRIOR TO WORK BEING DONE.
8. UPDATED BD/AD BATHYMETRIC SURVEY OF BEFORE DREDGING AND AFTER DREDGING SHALL BE SUBMITTED TO PCCA.

ELEVATION DATUM:

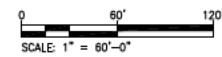
DREDGING: BASED ON
 NAD83 Texas South 4205 = MLLW
 TIDE GAGE: USS Lexington,
 Corpus Christi Bay, TX
 Station ID: 8775296
 PRIMARY BENCH MARK: 90008 A
 Latitude 27° 48.7' N
 Longitude 97° 23.4' W
 NOAA Chart#: 11309



SECTION/DETAIL KEY:

- SECTION SYMBOL: LETTER or NUMBER
 DWG NUMBER WHERE SHOWN
 (-) CURRENT DRAWING
- DETAIL SYMBOL: LETTER or NUMBER
 DWG NUMBER WHERE SHOWN
 (-) CURRENT DRAWING
- SECTION/DETAIL TITLE: SECTION or DETAIL CALLOUTS
 SECTION/DETAIL TITLE
 DWG NUMBER WHERE TAKEN FROM
 (-) CURRENT DRAWING

EXISTING SITE PLAN
 1"=60'-0"



ISSUED FOR CONSTRUCTION

PROJ. NO. 10P-00230
 DRAWING NO. G2.1

PREPARED BY:
SCHNEIDER ENGINEERING & CONSULTING
 5630 West Tyson Ave.
 Tampa, FL 33611
 Texas Certificate of Authorization Number, F-14492



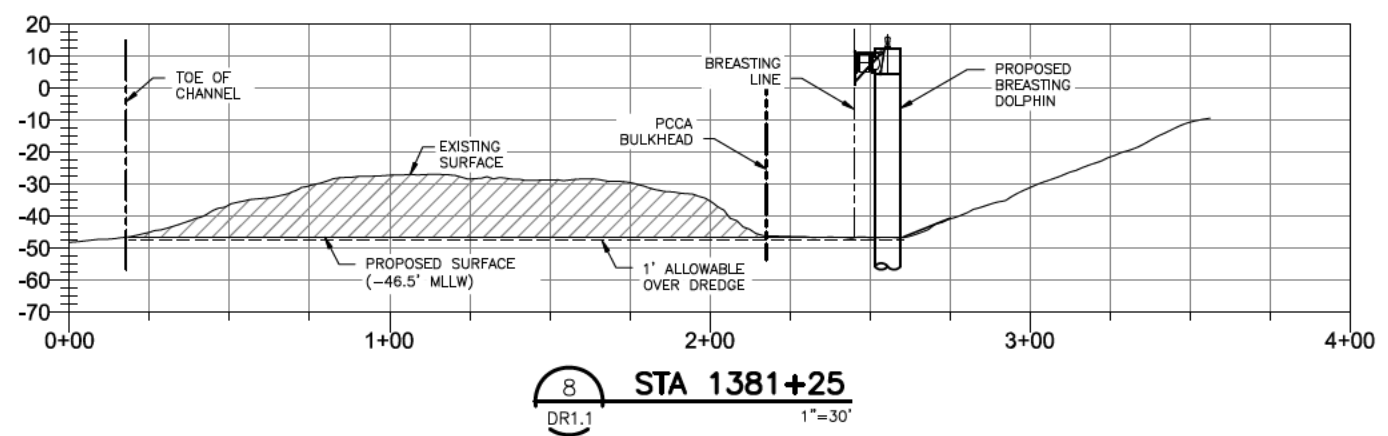
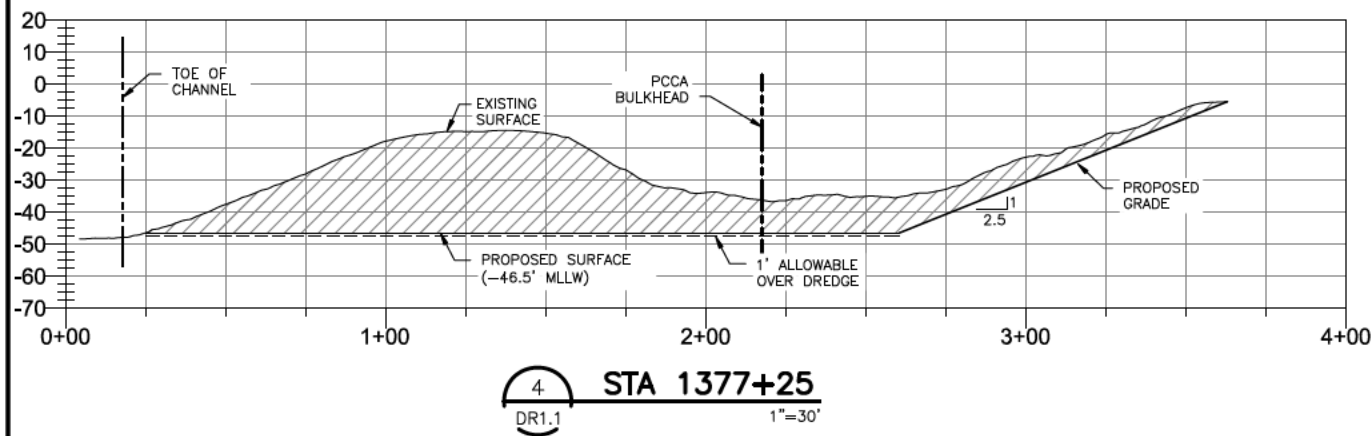
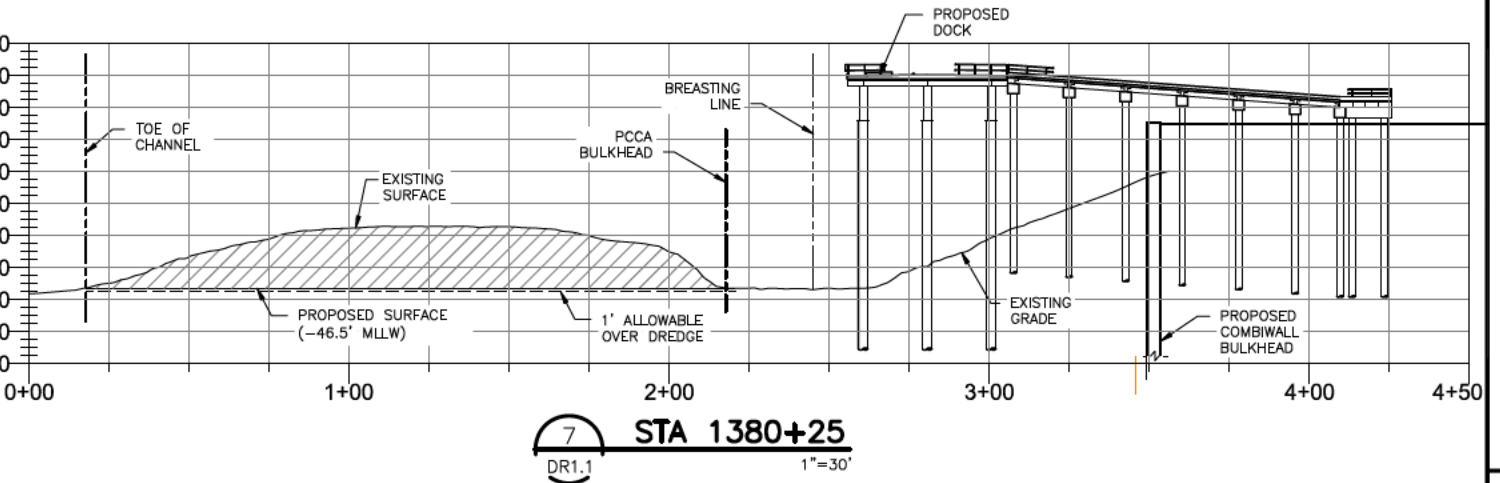
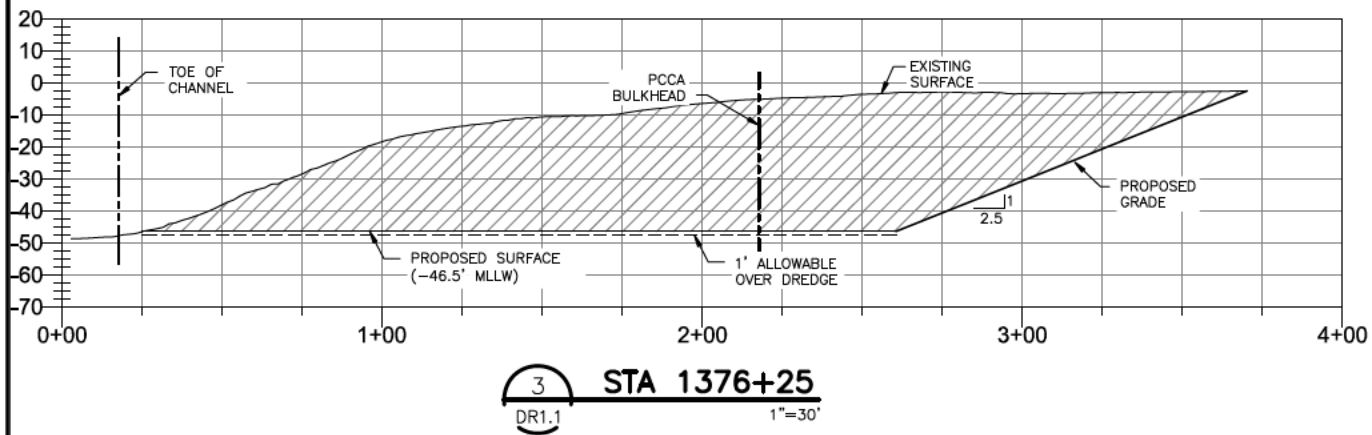
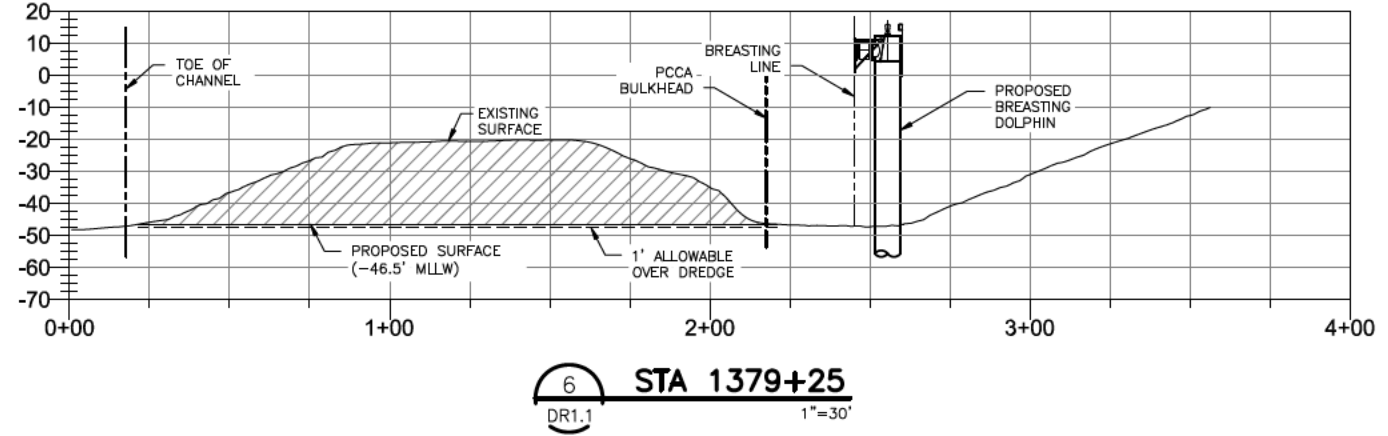
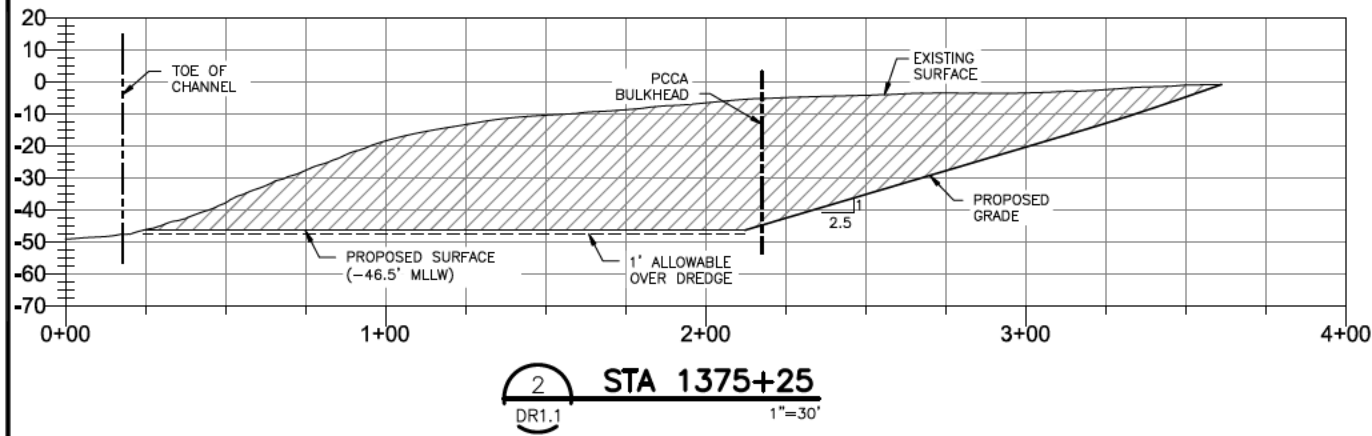
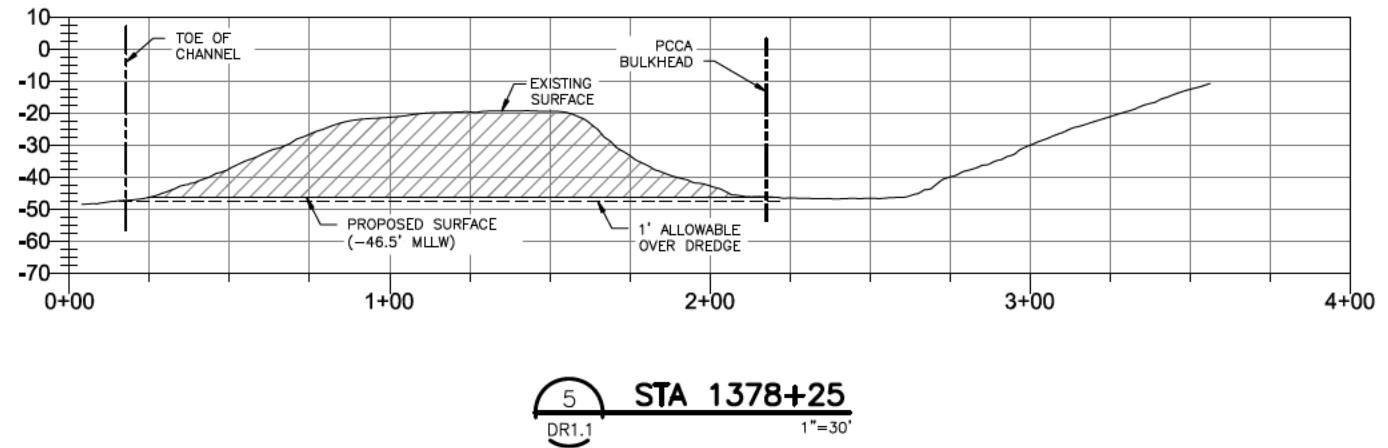
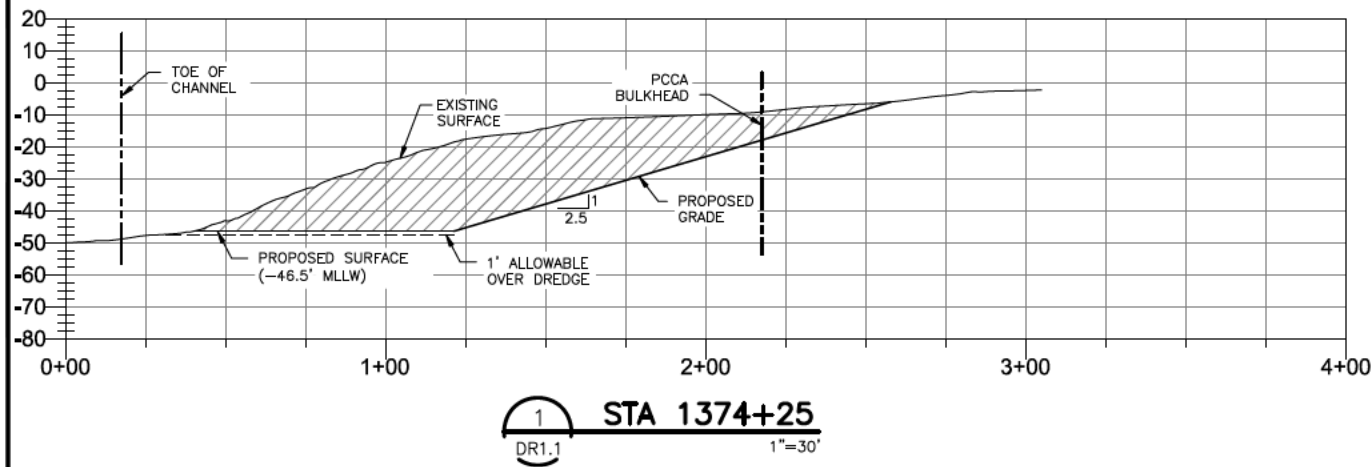
DESIGNED: WHC
 DRAWN: ACD
 CHECKED: SAW
 APPROVED: GLS



June 23, 2020

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Plot Time: Tuesday, June 23, 2020 - 9:34am Plotted by: adeabreu
 File Name: I:\Projects\10P00230 - EPIC CRUDE TERM CORPUS CHRISTI\4.0 Drawings\4.10 Working\DREDGE CONST DWGS\10P230 DR2_1 CROSS SECTIONS.dwg Layout Name: MISC



June 23, 2020

Designed	WHC
Drawn	ACD
Checked	SAW
Approved	GLS



PREPARED BY:
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 Tampa, FL 33611
 Texas Certificate of Authorization Number: F-14492

EPIC MARINE TERMINAL
 DREDGING CONSTRUCTION PLANS
 CORPUS CHRISTI, TEXAS
 EPIC DOCK - 1
 CROSS SECTIONS - 1

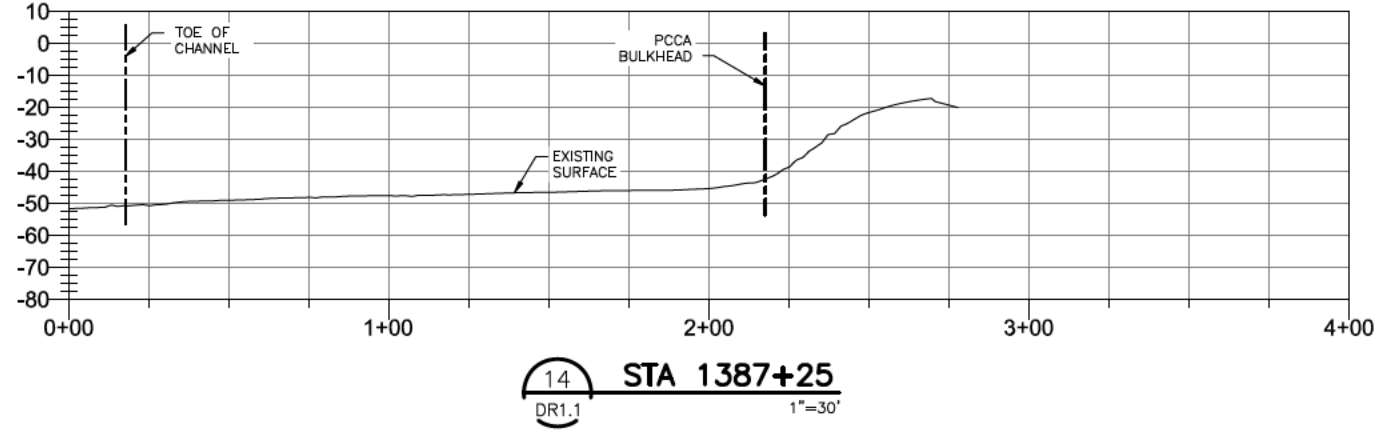
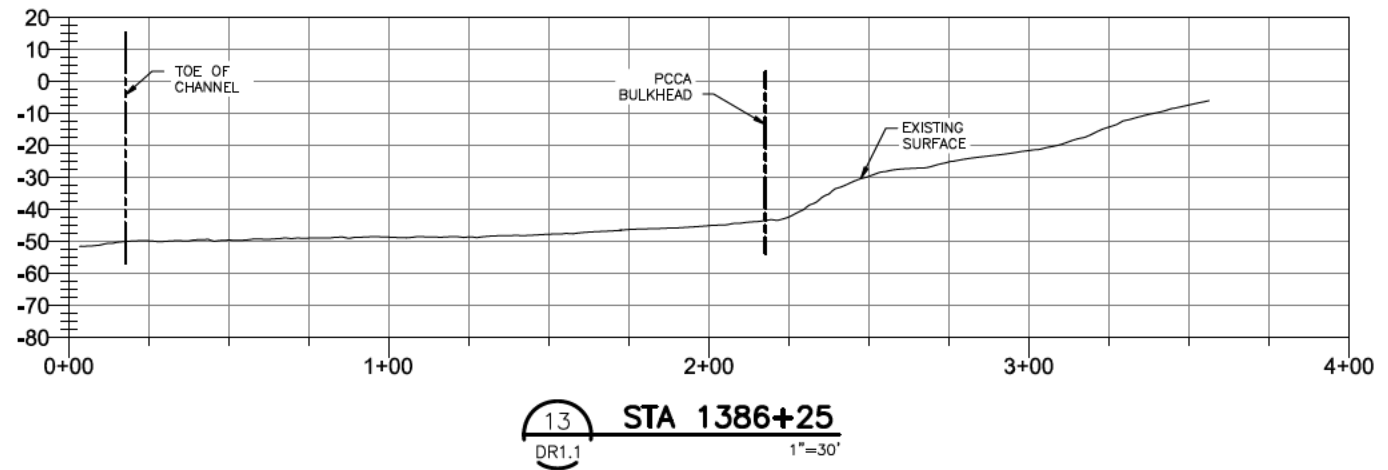
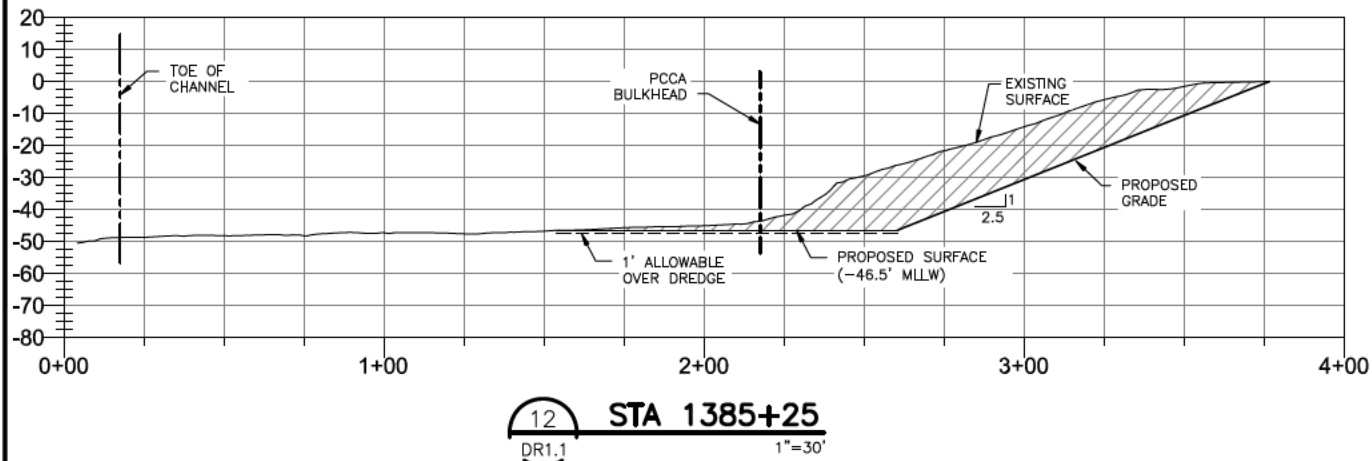
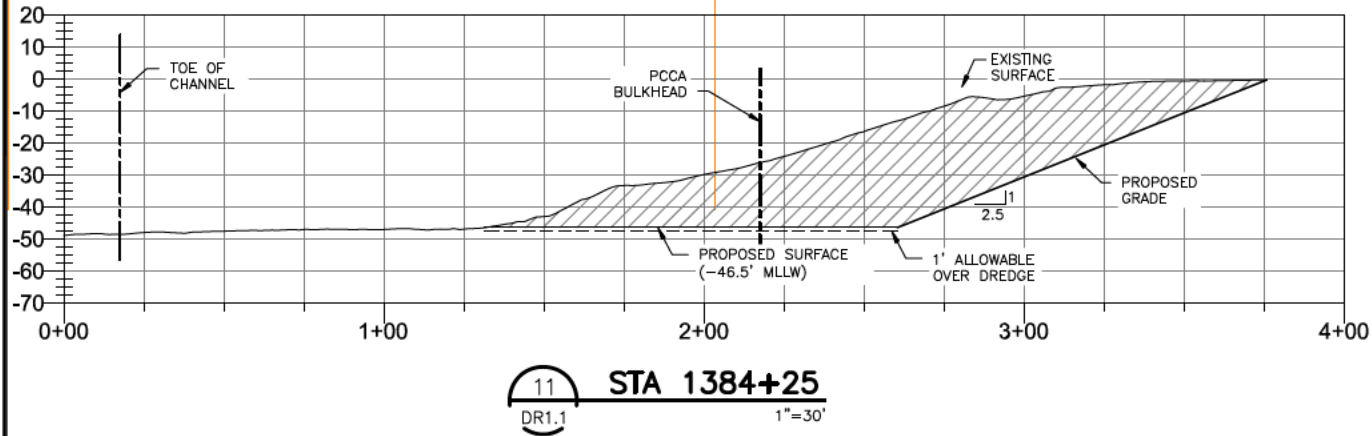
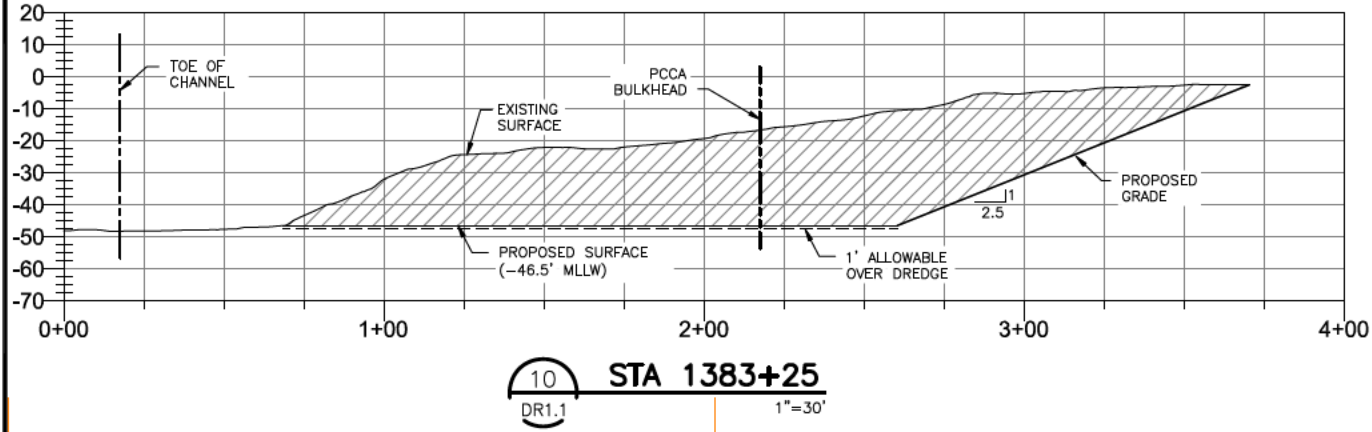
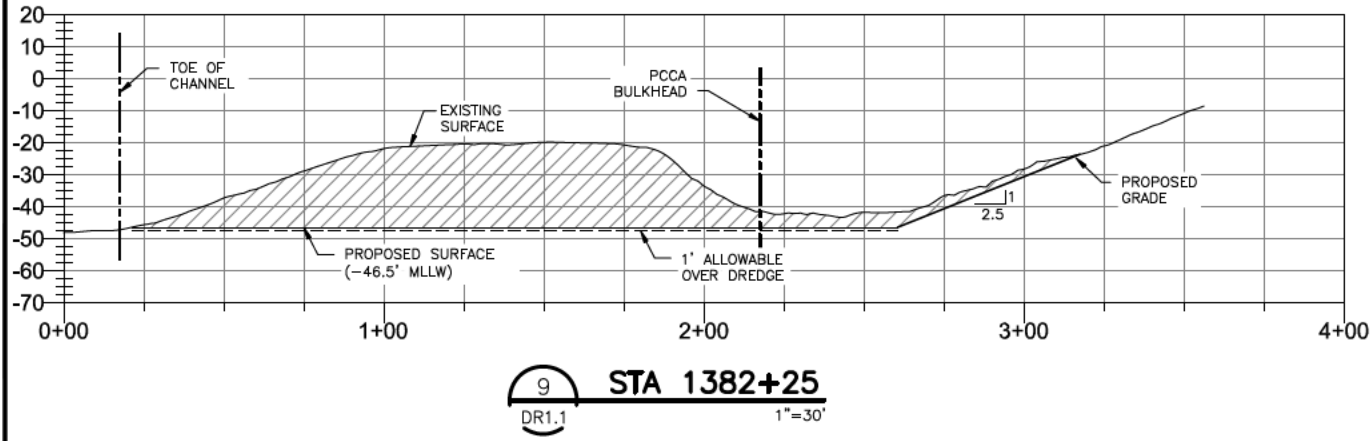
PROJ. NO.	10P-00230
DRAWING NO.	DR2.1
DATE	6/22/20
BY	WHC

ISSUED FOR CONSTRUCTION

DR2.1

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ESTIMATED DREDGE VOLUMES			
STATION	AREA (SF)	VOLUME (CY)	CUMULATIVE VOLUME (CY)
1373+66	0.00		
1374+25	3263.83	3566.04	3566
1375+25	8160.69	21156.52	24722.56
1376+25	9384.35	32490.81	57213.37
1377+25	4902.24	26456.65	83670.02
1378+25	3122.29	14860.24	98530.26
1379+25	3494.13	12252.63	110782.89
1380+25	2788.01	11633.59	122416.48
1381+25	2738.28	10233.87	132650.35
1382+25	3927.36	12343.78	144994.13
1383+25	6579.37	19456.91	164451.04
1384+25	4328.48	20199.72	184650.76
1385+25	2127.70	11955.89	196606.65
1386+25	0.00	3940.19	200546.83
1387+25	0.00	0.00	200546.83
1387+82	0.00	0.00	200546.83

ESTIMATED TOTAL DREDGE QUANTITIES:
 DREDGE DEPTH TO EL. -46.5' MLLW = 200546.83
 ALLOWABLE 1' OVER DREDGE = 10816.2
 TOTAL VOLUME = 211363.03



June 23, 2020

Designed by: WHC
 Drawn: ACD
 Checked: SAW
 Approved: GLS



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EPIC MARINE TERMINAL
 DREDGING CONSTRUCTION PLANS
 CORPUS CHRISTI, TEXAS
 EPIC DOCK
 CROSS SECTIONS - 2

0	IFC DREDGE PLANS	6/22/20	WHC
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PROJ. NO. 10P-00230
 DRAWING NO.

DR2.2

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DREDGE PIPELINE ROUTE
 NTS

- NOTES:
1. CONTRACTOR TO COORDINATE DREDGE OPERATIONS WITH PCCA AND PCCA'S GEOTECHNICAL INVESTIGATION CONTRACTOR.
 2. CONTRACTOR SHALL ENSURE DREDGE PIPELINE DOES NOT ENCROACH ON PRIVATE PROPERTY OR OBSTRUCT OTHER DOCKS.
 3. THERE ARE NO FLOATING DREDGE PIPE LINES.

ISSUED FOR CONSTRUCTION

PROJ. NO. 10P-00230
 DRAWING NO.

DR3.1

EPIC MARINE TERMINAL
 DREDGING CONSTRUCTION PLANS
 CORPUS CHRISTI, TEXAS

DREDGE
 PIPELINE ROUTE

PREPARED BY:
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June 23, 2020

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