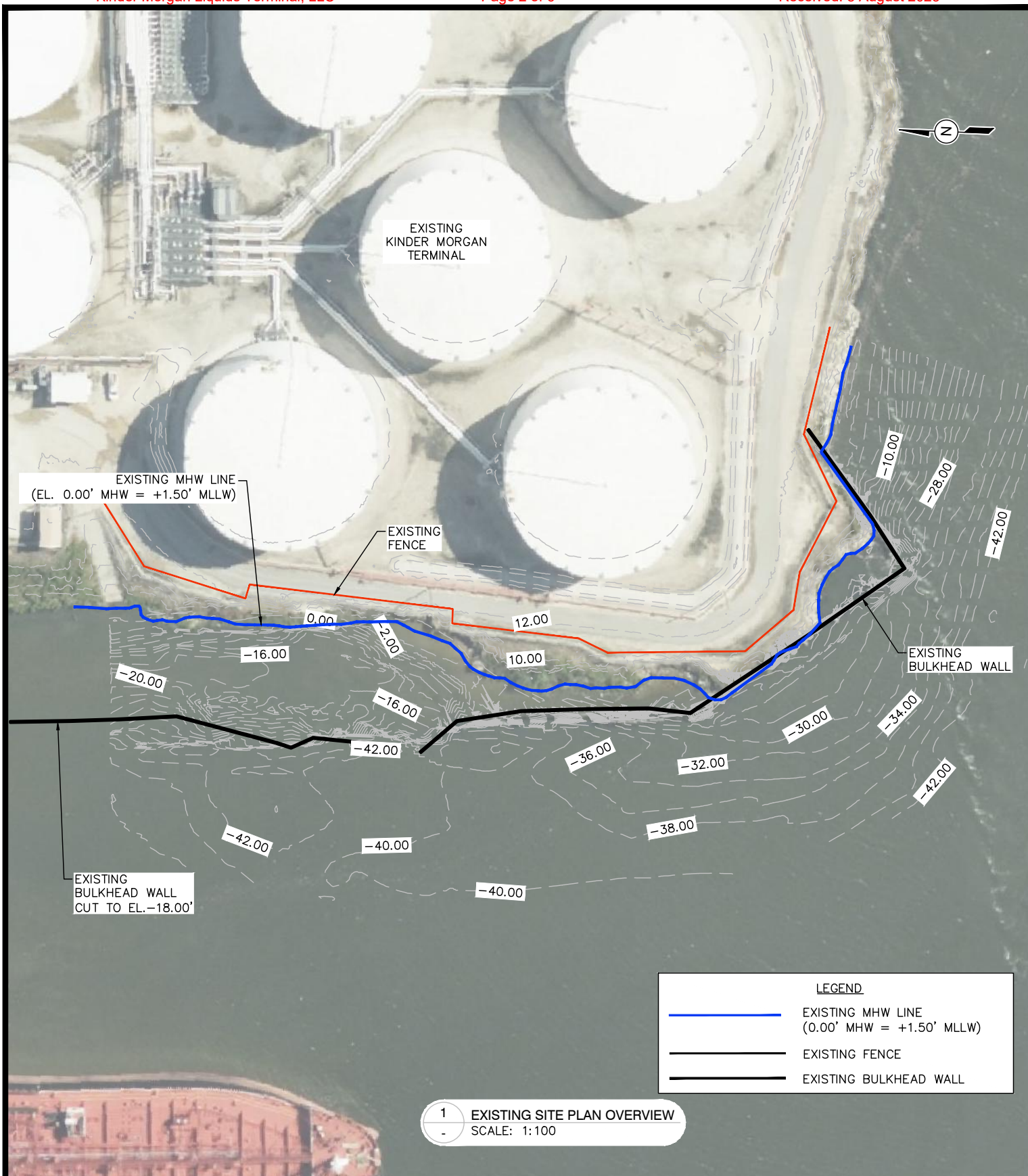




PURPOSE:	BARGE DOCK 3 BULKHEAD REPLACEMENT	OWNER:	KINDER MORGAN		DESIGN BY:	VM
		APPLIED BY:	LLOYD ENGINEERING, INC.		DRAWN BY:	EZ
		APPLIC. No:	SWG-2008-00319		SCALE:	AS NOTED
LOCATION:	GALENA PARK, TX	COUNTY:	HARRIS		DATE:	07/31/23
		WATER BODY:	HOUSTON SHIP CHANNEL		SHEET No:	1
		DATUM:	MLLW			

FILE NAME: L:\ei_projects\kindermorgan\GP BD 3\shoreline protection\6.0 drawings\Permits\2 EXISTING SITE PLAN.dwg LAYOUT NAME: EXISTING SITE PLAN PLOTTED: Monday, July 31, 2023 - 1:53pm USER: v

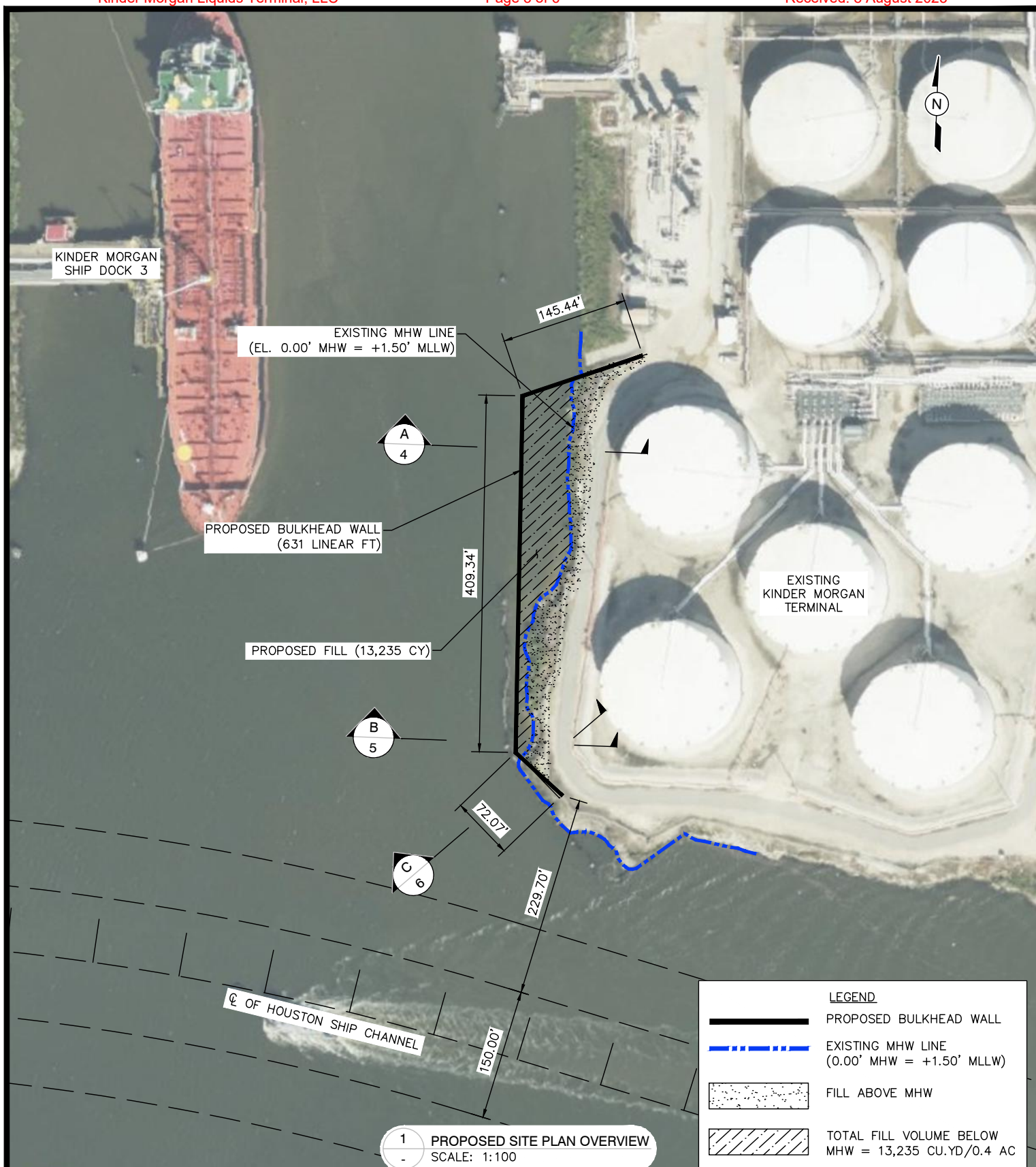


LEGEND	
—	EXISTING MHW LINE (0.00' MHW = +1.50' MLLW)
- - -	EXISTING FENCE
—	EXISTING BULKHEAD WALL

1 EXISTING SITE PLAN OVERVIEW
SCALE: 1:100

PURPOSE:	BARGE DOCK 3 BULKHEAD REPLACEMENT	OWNER:	KINDER MORGAN	 LLOYD ENGINEERING, INC STATE OF TEXAS, USA LICENSE NO. F-002846	DESIGN BY:	VM
		APPLIED BY:	LLOYD ENGINEERING, INC.		DRAWN BY:	EZ
		APPLIC. No:	SWG-2008-00319		SCALE:	AS NOTED
LOCATION:	GALENA PARK, TX	COUNTY:	HARRIS		DATE:	07/31/23
		WATER BODY:	HOUSTON SHIP CHANNEL	SHEET No:	2	
		DATUM:	MLLW			

FILE NAME: L:\ei_projects\kindermorgan\GP BD 3\shoreline protection\6.0 drawings\Permits\3 PROPOSED SITE PLAN.dwg LAYOUT NAME: PROPOSED SITE PLAN PLOTTED: Monday, July 31, 2023 - 1:54pm USER: v



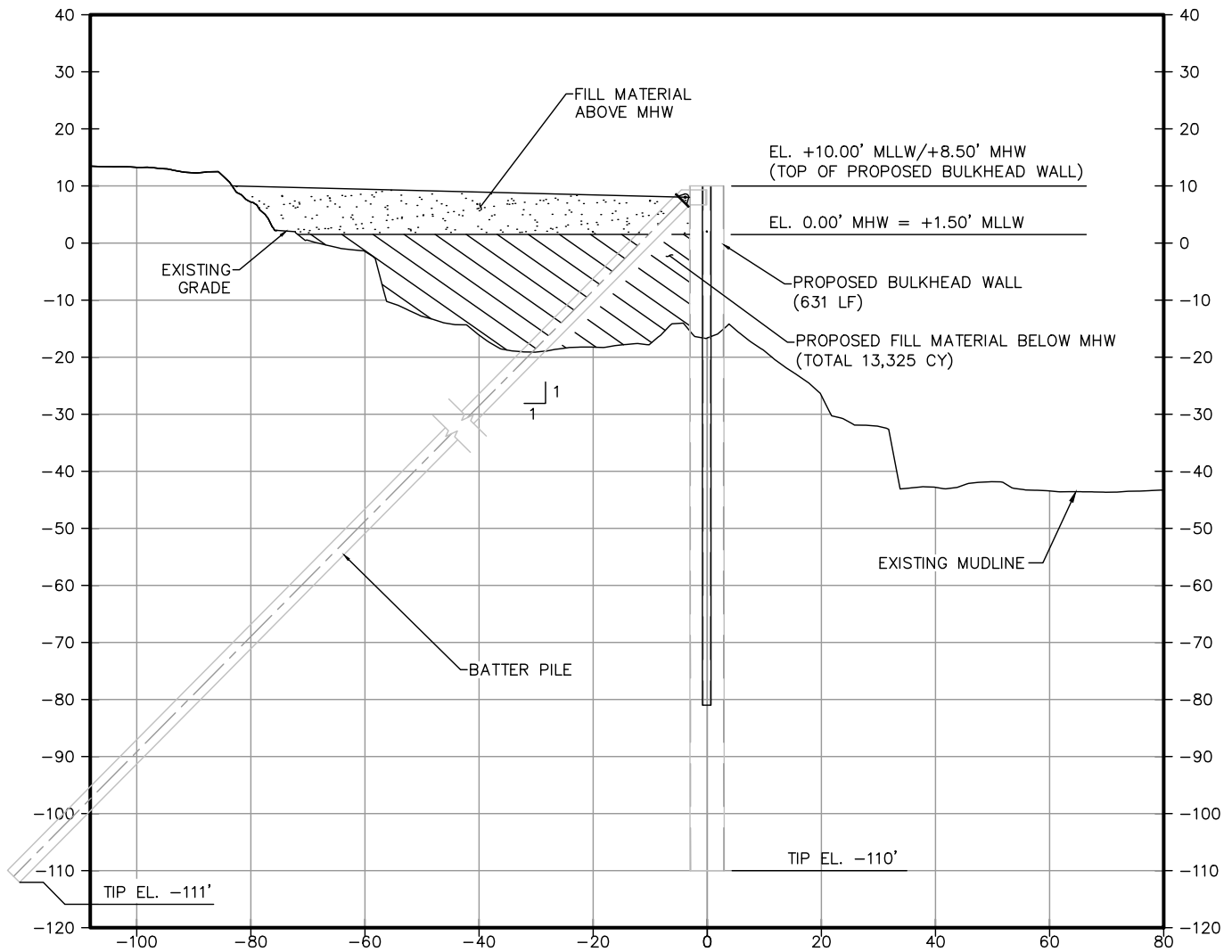
PURPOSE:	BARGE DOCK 3 BULKHEAD REPLACEMENT
LOCATION:	GALENA PARK, TX

OWNER:	KINDER MORGAN
APPLIED BY:	LLOYD ENGINEERING, INC.
APPLIC. No:	SWG-2008-00319
COUNTY:	HARRIS
WATER BODY:	HOUSTON SHIP CHANNEL
DATUM:	MLLW

LLOYD ENGINEERING, INC.
STATE OF TEXAS, USA
LICENSE NO. F-002846

DESIGN BY:	VM
DRAWN BY:	EZ
SCALE:	AS NOTED
DATE:	07/31/23
SHEET No:	3

FILE NAME: L:\ei_projects\kindermorgan\GP BD 3\shoreline protection\6.0 drawings\Permits\4 CROSS SECTIONS SHEET 1 OF 3.dwg LAYOUT NAME: 4 CROSS SECTIONS SHEET 1 OF 3 PLOTTED: Monday, July 31, 2023 - 1:54pm USER: v



NOTES:

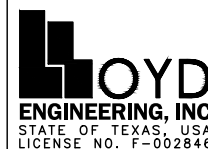
1. ALL ELEVATIONS SHOWN ARE IN MLLW UNLESS NOTED OTHERWISE.
2. ALL FILL MATERIAL SHALL BE CLEAN AND FREE OF DEBRIS.

PROPOSED BULKHEAD WALL CROSS-SECTION
SCALE: 1:30

PURPOSE: BARGE DOCK 3
BULKHEAD REPLACEMENT

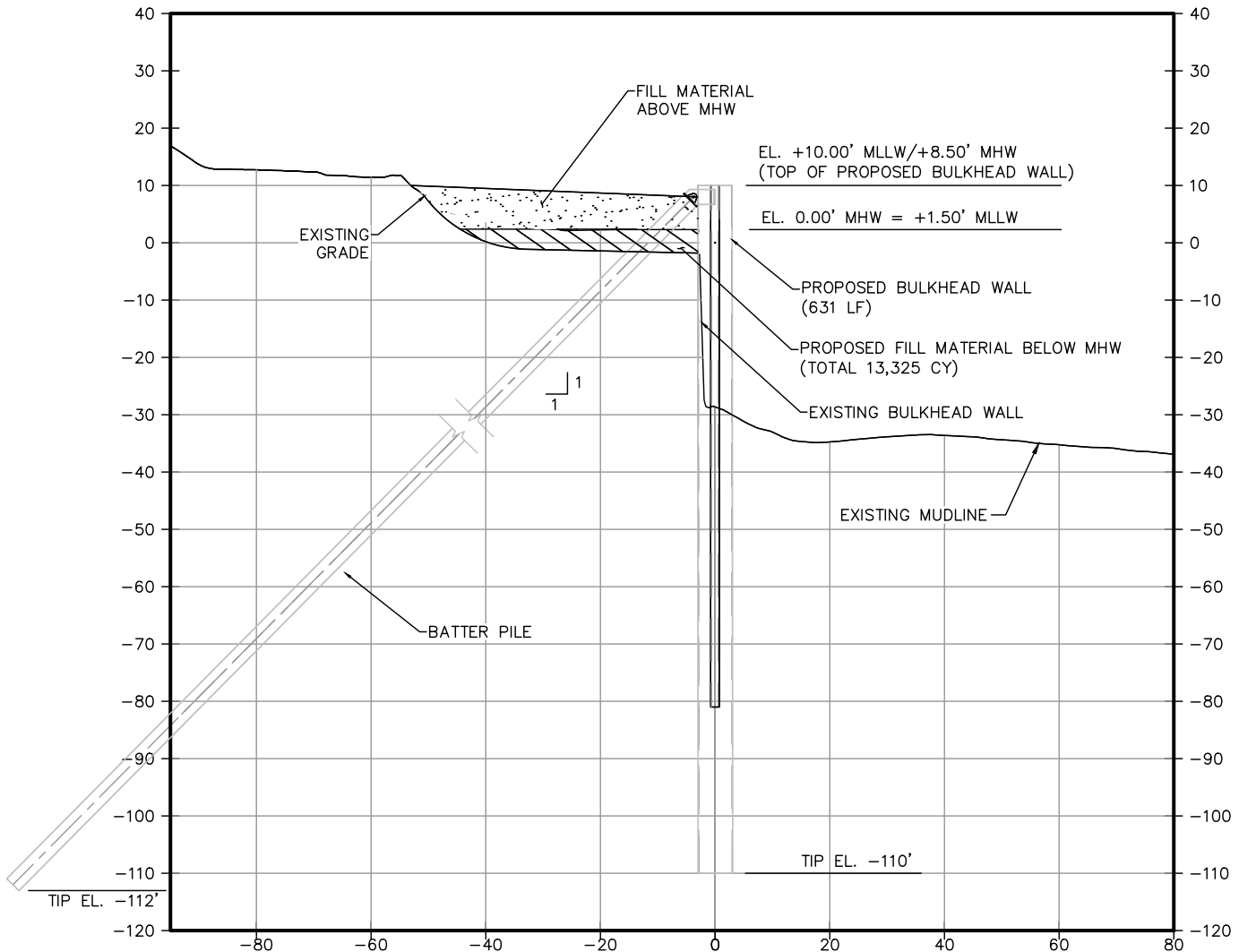
LOCATION: GALENA PARK, TX

OWNER: KINDER MORGAN
APPLIED BY: LLOYD ENGINEERING, INC.
APPLIC. No: SWG-2008-00319
COUNTY: HARRIS
WATER BODY: HOUSTON SHIP CHANNEL
DATUM: MLLW



DESIGN BY: VM
DRAWN BY: EZ
SCALE: AS NOTED
DATE: 07/31/23
SHEET No: 4

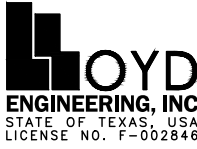
FILE NAME: L:\ei projects\kindermorgan\GP BD 3\shoreline protection\6.0 drawings\Permits\5 CROSS SECTIONS SHEET 2 OF 3.dwg LAYOUT NAME: 5 CROSS SECTIONS SHEET 2 OF 3 PLOTTED: Monday, July 31, 2023 - 1:54pm USER: v

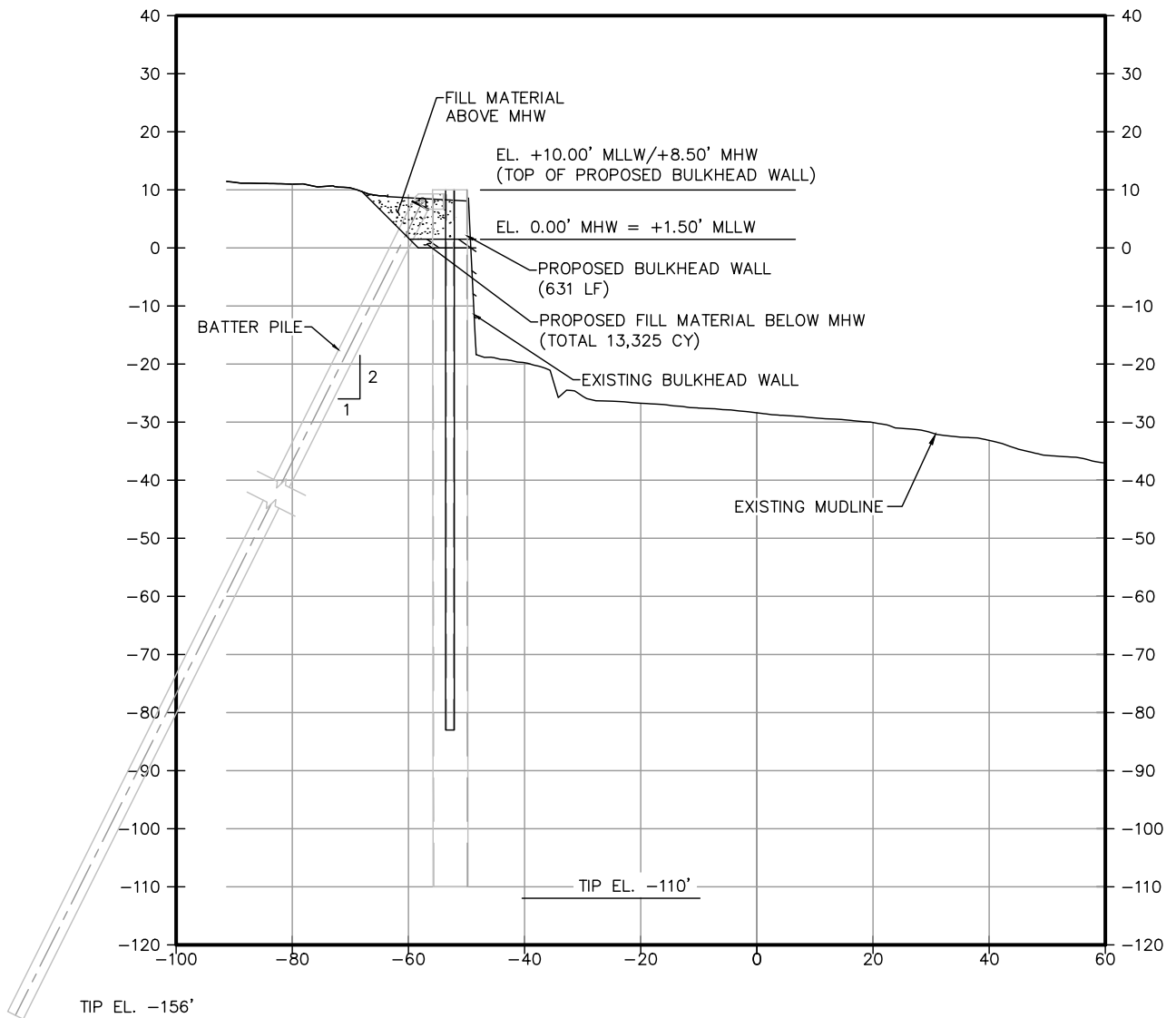


NOTES:

1. ALL ELEVATIONS SHOWN ARE IN MLLW UNLESS NOTED OTHERWISE.
2. ALL FILL MATERIAL SHALL BE CLEAN AND FREE OF DEBRIS.

PROPOSED BULKHEAD WALL CROSS-SECTION
SCALE: 1:30

PURPOSE:	BARGE DOCK 3 BULKHEAD REPLACEMENT	OWNER:	KINDER MORGAN	 LLOYD ENGINEERING, INC. STATE OF TEXAS, USA LICENSE NO. F-002846	DESIGN BY: VM
		APPLIED BY:	LLOYD ENGINEERING, INC.		DRAWN BY: EZ
LOCATION:	GALENA PARK, TX	APPLIC. No:	SWG-2008-00319		SCALE: AS NOTED
		COUNTY:	HARRIS		DATE: 07/31/23
		WATER BODY:	HOUSTON SHIP CHANNEL		SHEET No: 5
		DATUM:	MLLW		



NOTES:

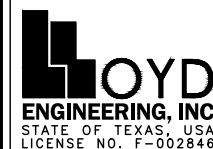
1. ALL ELEVATIONS SHOWN ARE IN MLLW UNLESS NOTED OTHERWISE.
2. ALL FILL MATERIAL SHALL BE CLEAN AND FREE OF DEBRIS.

**PROPOSED BULKHEAD
WALL CROSS-SECTION**
C
3 SCALE: 1:30

PURPOSE: BARGE DOCK 3
BULKHEAD REPLACEMENT

LOCATION: GALENA PARK, TX

OWNER: KINDER MORGAN
APPLIED BY: LLOYD ENGINEERING, INC.
APPLIC. No: SWG-2008-00319
COUNTY: HARRIS
WATER BODY: HOUSTON SHIP CHANNEL
DATUM: MLLW



DESIGN BY: VM
DRAWN BY: EZ
SCALE: AS NOTED
DATE: 07/31/23
SHEET No: 6