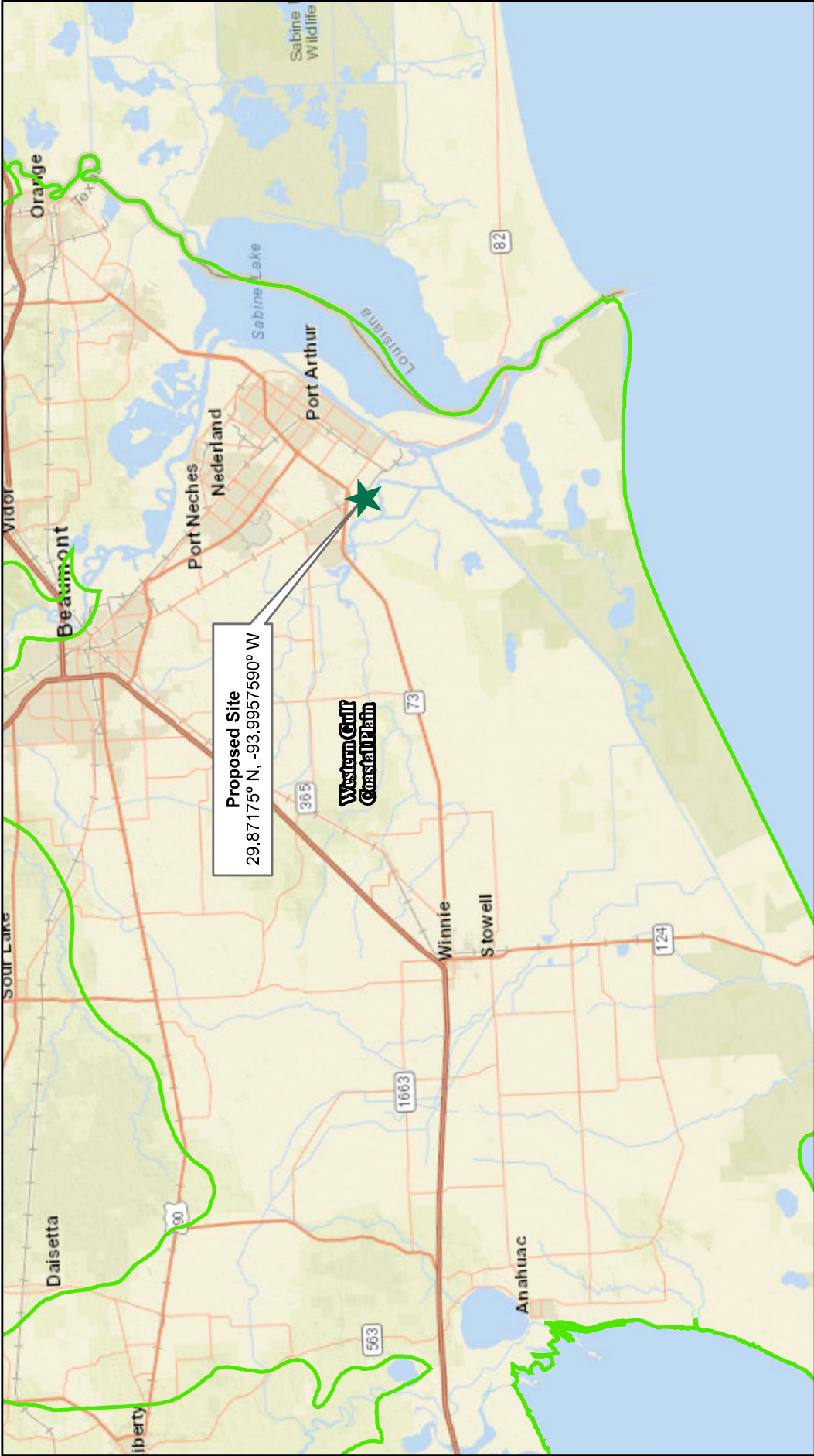


Project Plans



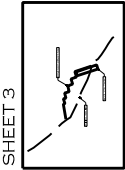
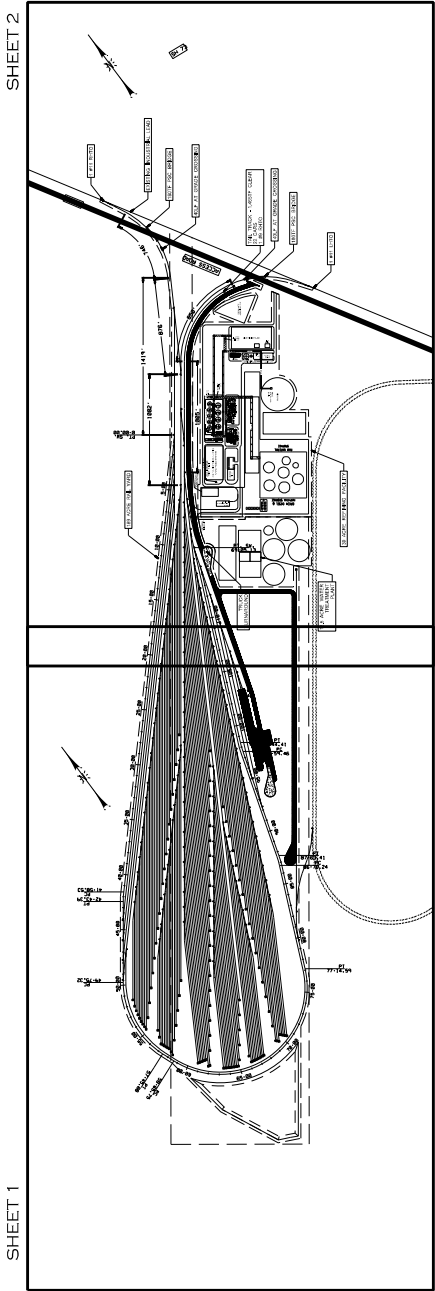
VICINITY MAP JEFFERSON COUNTY, TEXAS		GT OMNI-PORT IRON HORSE TERMINALS, LLC	
PREPARED BY: ECOSYSTEM PLANNING & RESTORATION EPR		N	
0 7 14 Miles		EXHIBIT 4345A	
		JANUARY 2021	

PROJECT #
170

SHEET NO.
1

OVERVIEW

Project Plans



SHEET 3

REVISIONS		ENGR.	APPROV.	DATE
NO.	DESCRIPTION			

PREPARED FOR:

IRON HORSE

PREPARED IN THE OFFICE OF:
**ECOSYSTEM
PLANNING &
RESTORATION**
17575 N. ELDRIDGE PARKWAY, BLDG C,
TOMBALL, TX 77377
LICENSE # F-14997

PROJECT ENGINEER

PROGRESS DRAWING
FOR REVIEW PURPOSES ONLY
DO NOT USE FOR CONSTRUCTION

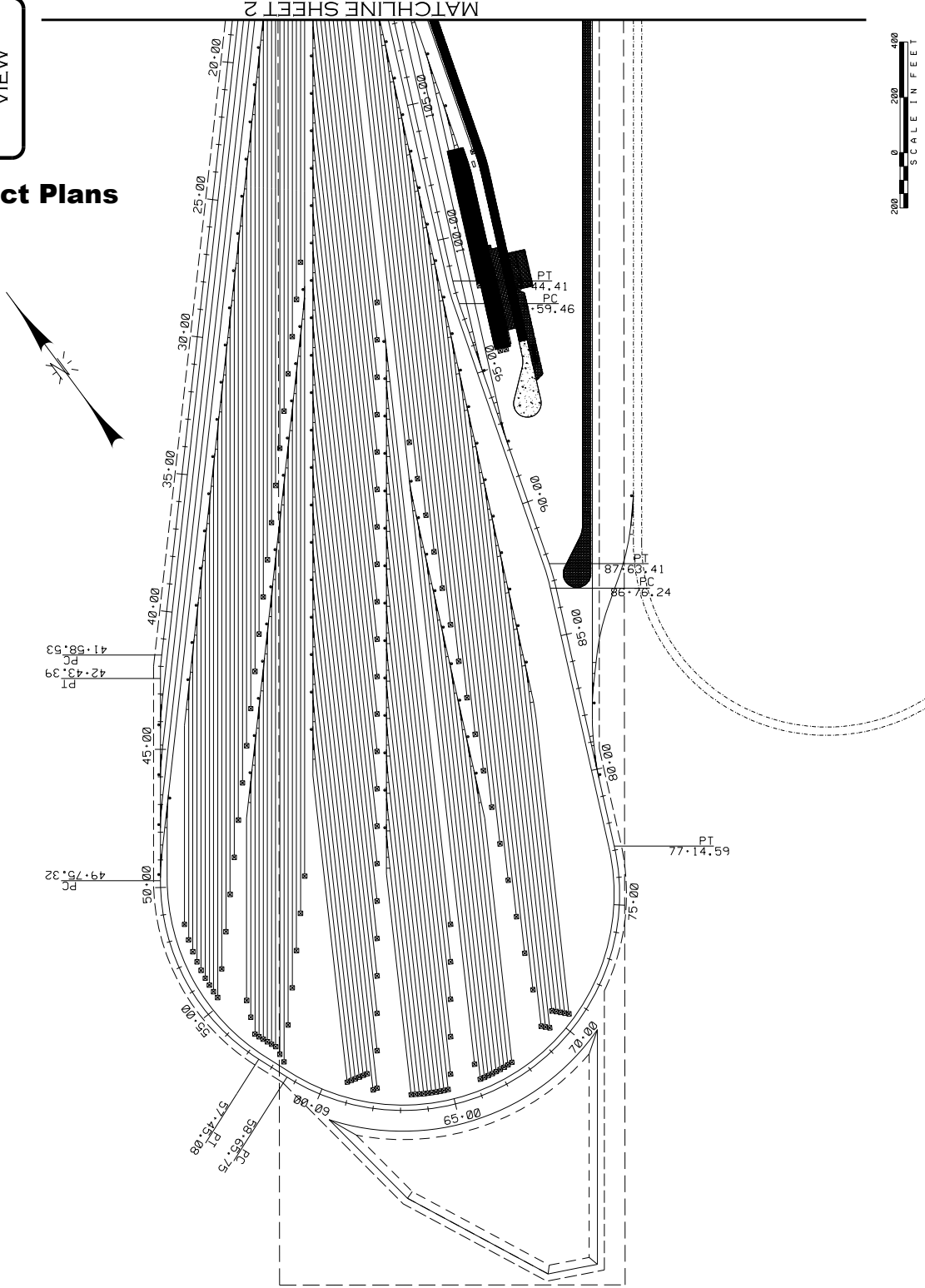
ASSUMPTION: AVERAGE CAR LENGTH IS 65 FT.

PROJECT #
170

SHEET NO.
1

PLAN
VIEW

Project Plans



- CONCEPTUAL -
FOR REVIEW / DISCUSSION

NO.	DESCRIPTION	REVISIONS			
		ENGR.	APPROV.	DATE	

PREPARED FOR:

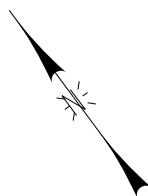
IRON HORSE

PREPARED IN THE OFFICE OF:
**ECOSYSTEM
PLANNING &
RESTORATION**
17575 N. ELDRIDGE PARKWAY, BLDG C,
TOMBALL, TX 77377
LICENSE # F-14997

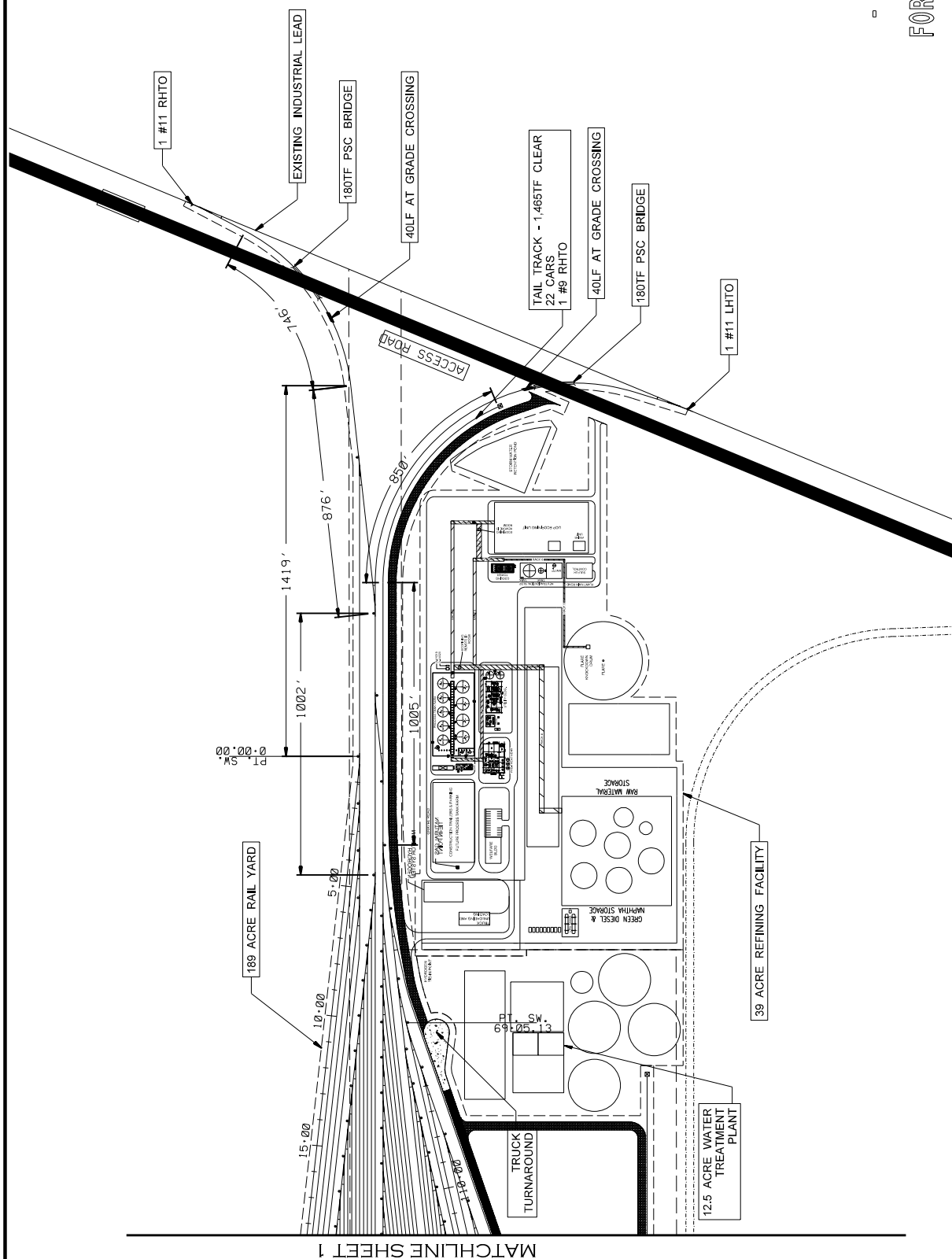
PROJECT ENGINEER

PROGRESS DRAWING
FOR REVIEW PURPOSES ONLY
DO NOT USE FOR CONSTRUCTION

Project Plans



SH 73



MATCHLINE SHEET 1

- CONCEPTUAL -
FOR REVIEW/DISCUSSION

PREPARED IN THE OFFICE OF:

**ECOSYSTEM
PLANNING &
RESTORATION**

 17575 N. ELDRIDGE PARKWAY, BLDG. C,
TOMBALL, TX 77377
LICENSE # F-14997

IRON HORSE

PREPARED FOR:

[illegible]

PROJECT ENGINEER

PROGRESS DRAWING
FOR REVIEW PURPOSES ONLY
DO NOT USE FOR CONSTRUCTION

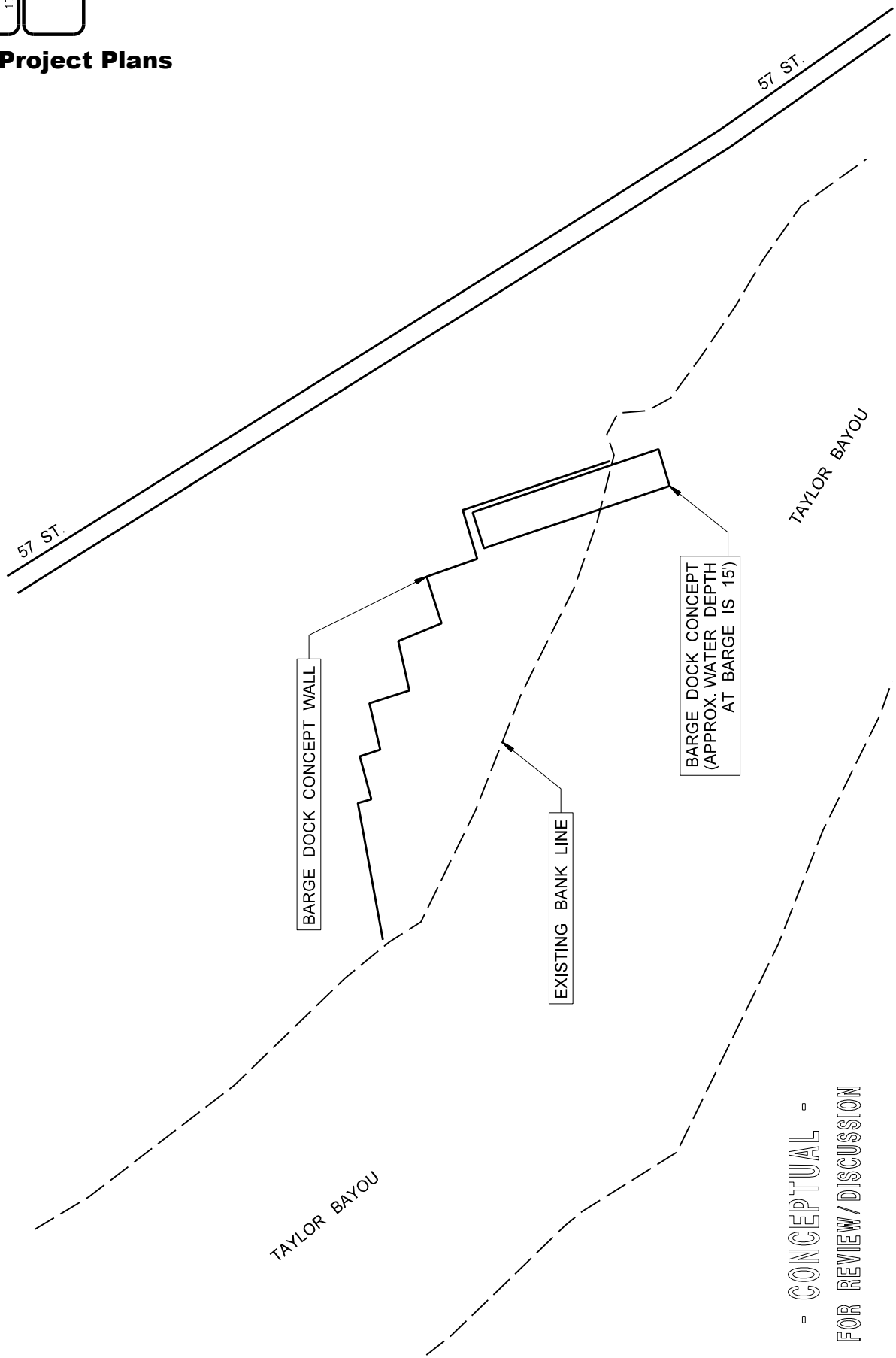
PROJECT #
170

SHEET NO.
3

PLAN

VIEW

Project Plans



- CONCEPTUAL -
FOR REVIEW/DISCUSSION

REVISIONS		ENGR.	APPROV.	DATE
NO.	DESCRIPTION			

PREPARED FOR:

IRON HORSE

PREPARED IN THE OFFICE OF:

ECOSYSTEM
PLANNING &
RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG C,
TOMBALL, TX 77377
LICENSE # F-14897

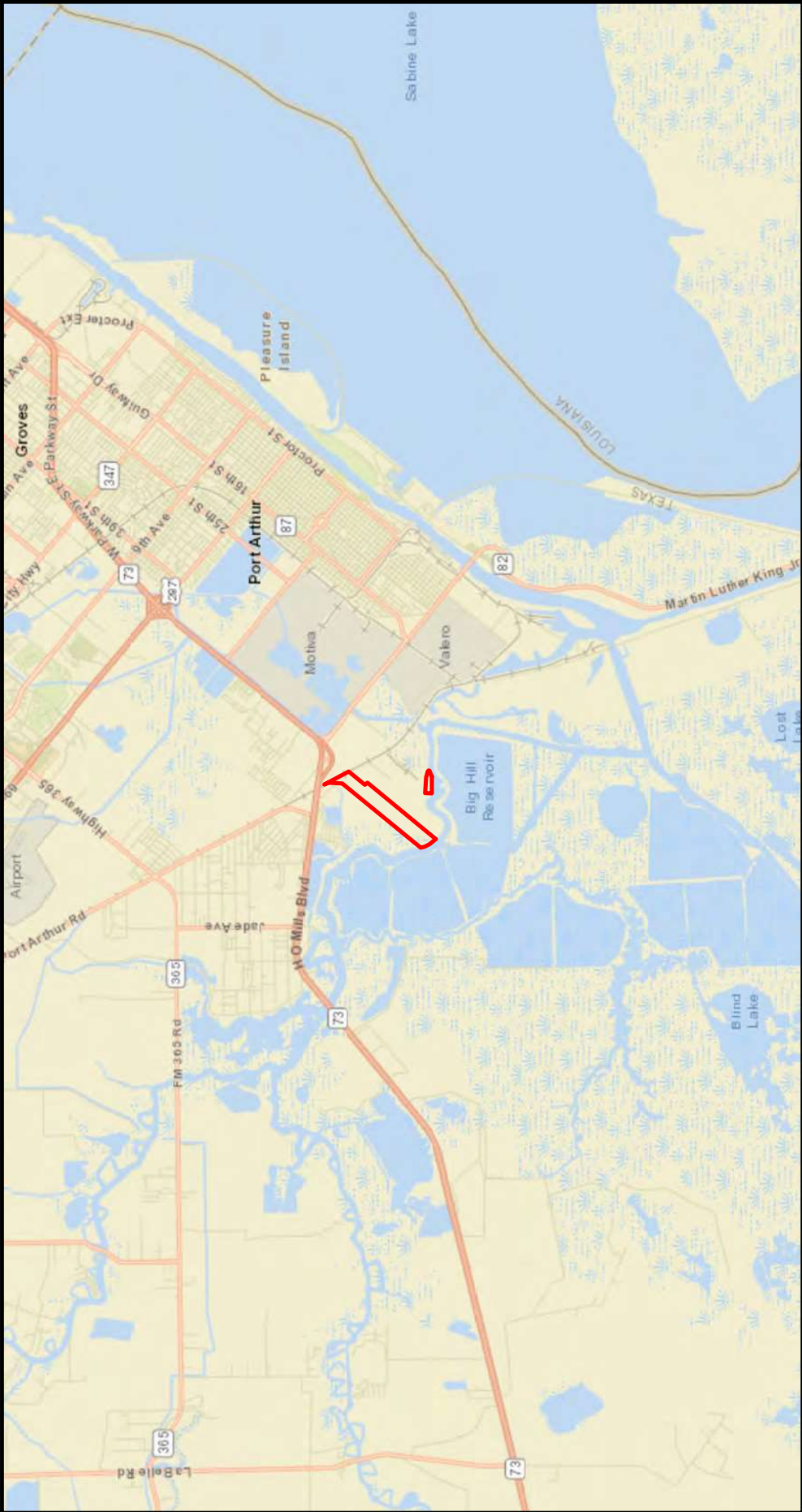
PROJECT ENGINEER

PROGRESS DRAWING

FOR REVIEW PURPOSES ONLY

DO NOT USE FOR CONSTRUCTION

Project Plans





Iron Horse Terminals, LLC

Legend

 Delineation Boundary



Scale: 0 10 20 30 40 Miles

Scale: 0 1 2 Miles

North Arrow



morris p. hebert, inc.
client focused solutions

GT Omniport Phase II
Vicinity Map
Jefferson County, Texas

Drawn By: JLC

Page 1

TX83SC Feet

1 in = 2 miles

Date: 10/20/2020

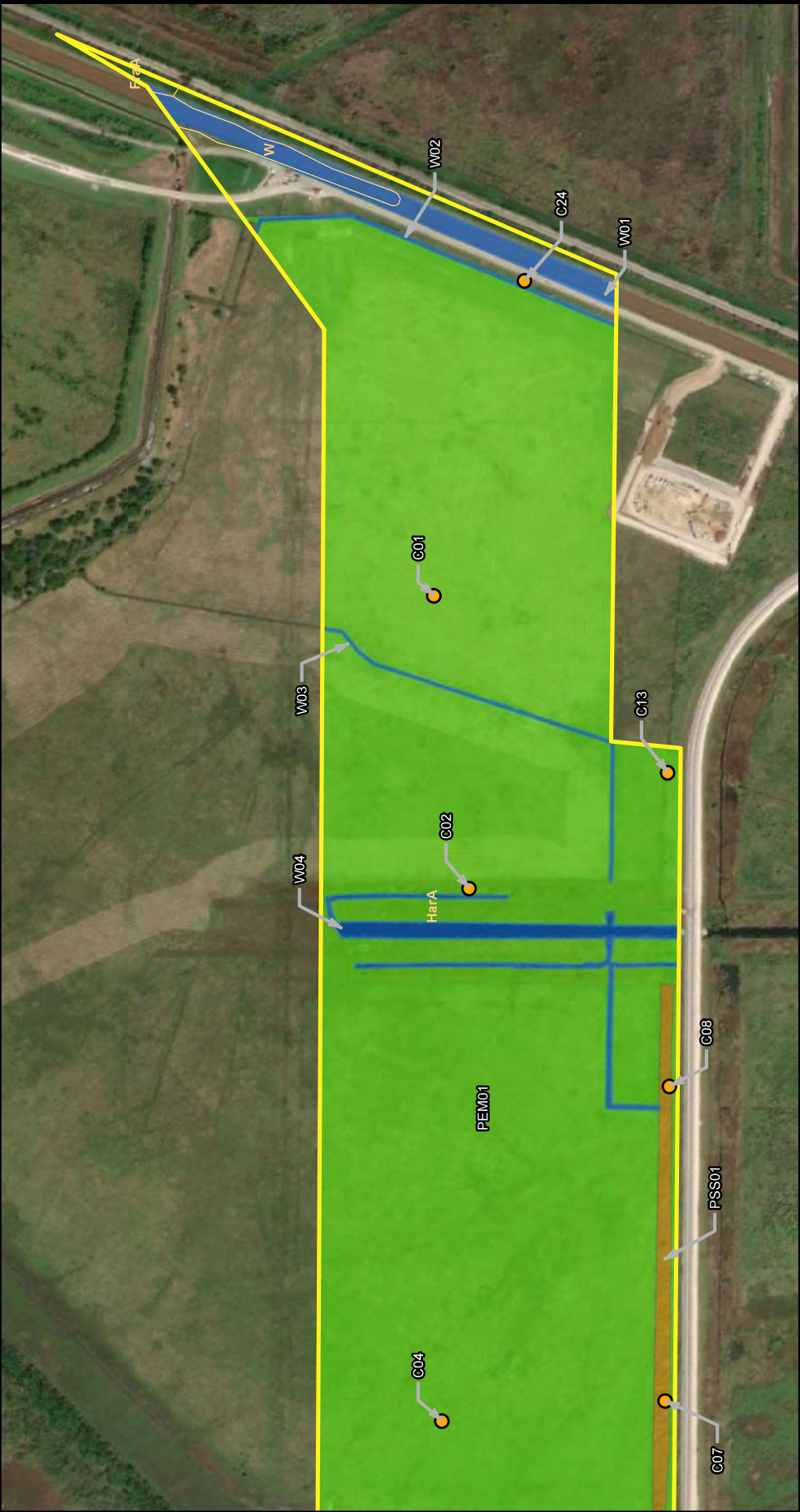
Job No: 14011-00

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SWG-2021-00152

Sheet 7/21

Project Plans





Iron Horse Terminals, LLC

GT Omniport Phase II
Wetland Delineation Map
Jefferson County, Texas

Drawn By: JLC	1 in = 500 feet
Page 2	Date: 10/23/2020
TX83SC Feet	Job No: 14011-00

Legend

- Delineation Boundary (+/- 332.98)
- Palustrine Emergent Wetland (+/- 123.97 ac)
- Palustrine Forested Wetland (+/- 37.13 ac)
- Palustrine Scrub Wetland (+/- 25.32 ac)
- Waters (+/- 15.86 ac)
- NRCS Soil Unit
- Observation Points

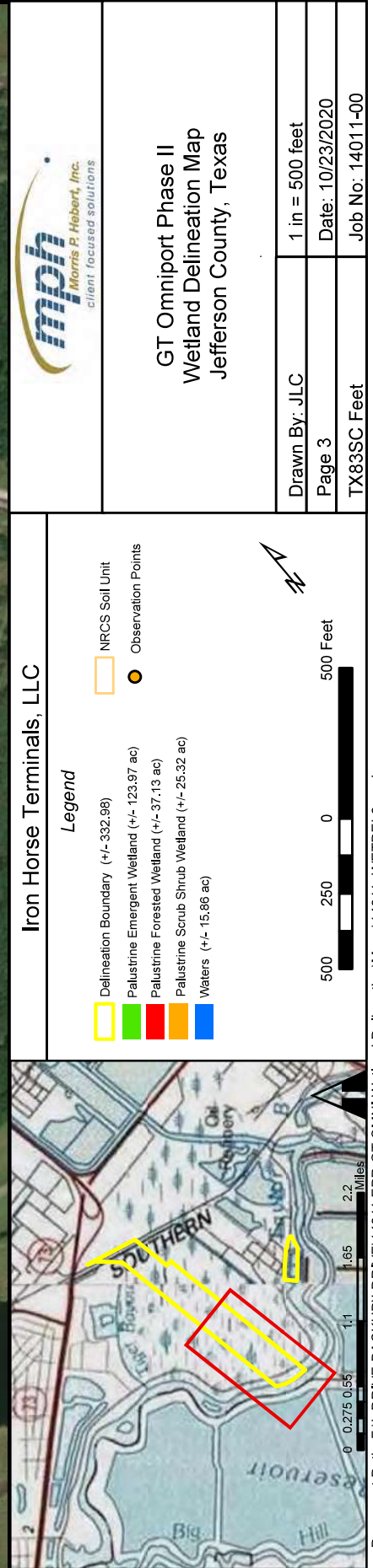
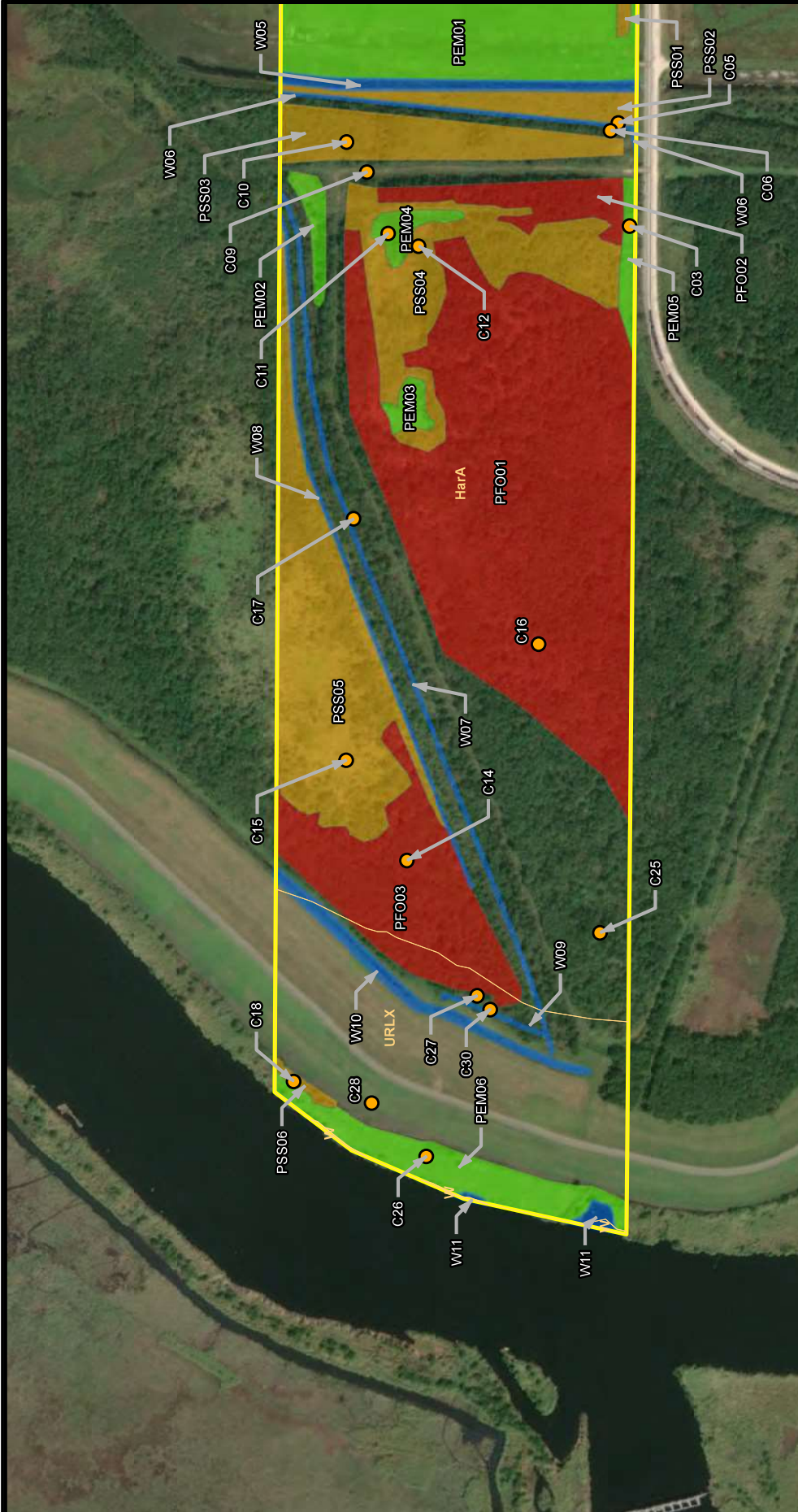




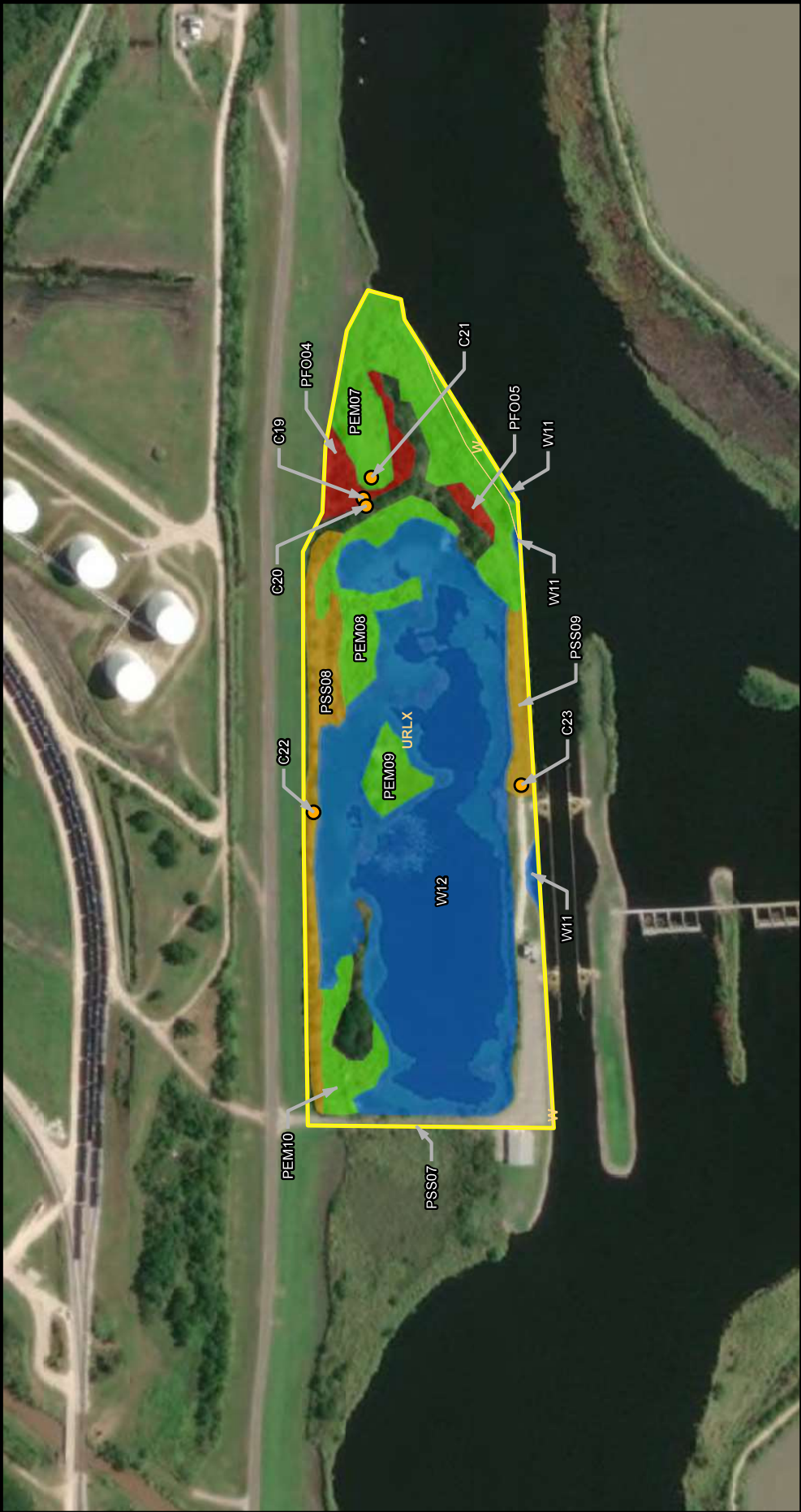
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Project Plans

Received 23 February 2021



Project Plans





Morris P. Hebert, Inc.
client focused solutions

GT Omniport Phase II
Wetland Delineation Map
Jefferson County, Texas

Drawn By: JLC	1 in = 300 feet
Page 4	Date: 10/23/2020
TX83SC Feet	Job No: 14011-00

Iron Horse Terminals, LLC

Legend

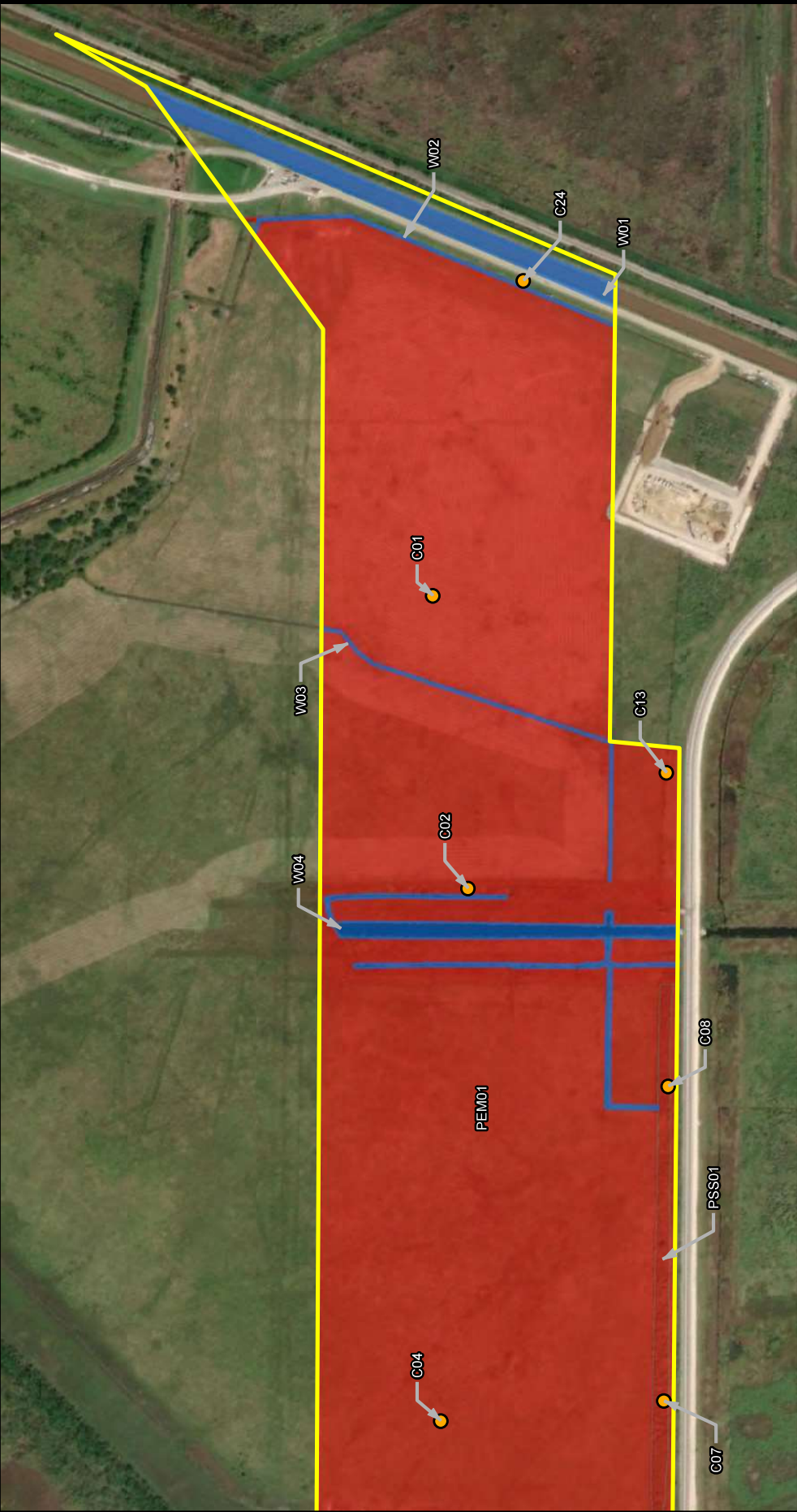
- Delineation Boundary (+/- 332.98)
- Palustrine Emergent Wetland (+/- 123.97 ac)
- Palustrine Forested Wetland (+/- 37.13 ac)
- Palustrine Scrub Shrub Wetland (+/- 25.32 ac)
- Waters (+/- 15.86 ac)
- NRCS Soil Unit
- Observation Points





Document Path: F:\L DRIVE BACKUP\DRIVE\14011 EPR GT OMNI Wetland Delineation\Maps\14011_WETDEL3.mxd

Project Plans





Iron Horse Terminals, LLC

GT Omniport Phase II
Jurisdictional Determination Map
Jefferson County, Texas

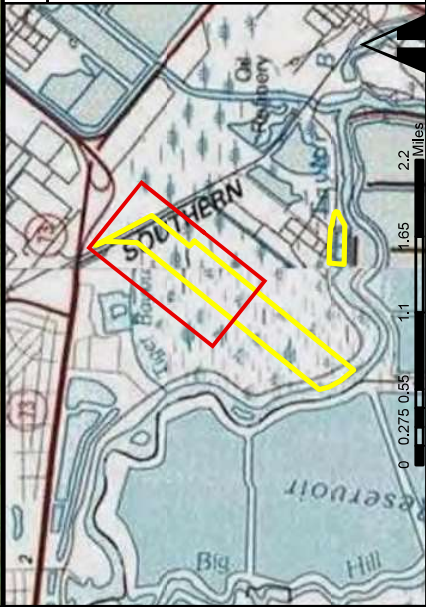
Drawn By: JLC	1 in = 500 feet
Page 5	Date: 10/23/2020
TX83SC Feet	Job No: 14011-00

Legend

- Delineation Boundary (+/- 332.98)
- Palustrine Emergent Wetland (+/- 186.42 ac)
- Waters (+/- 15.86 ac)
- Observation Points

Scale: 0 250 500 Feet

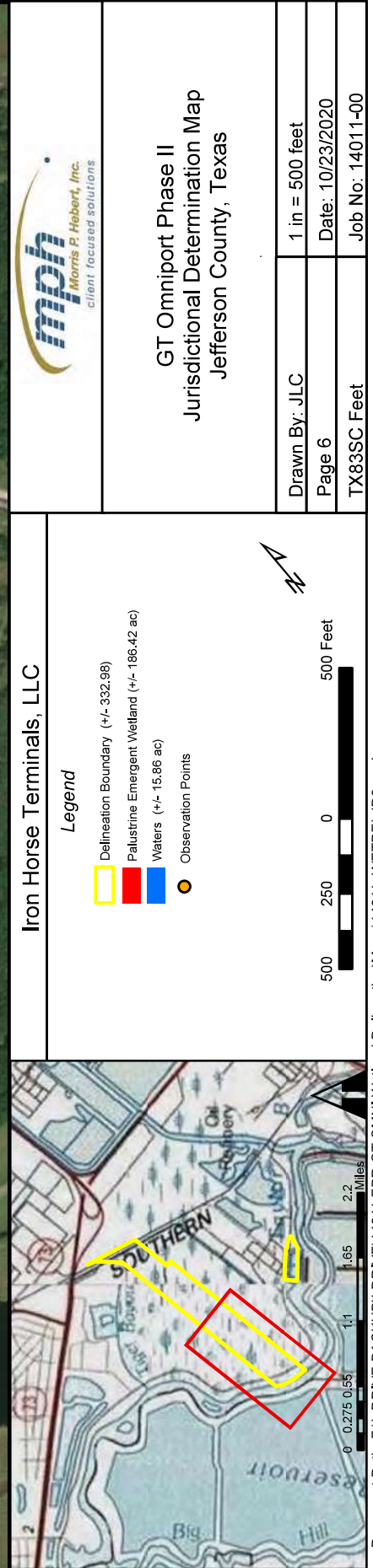
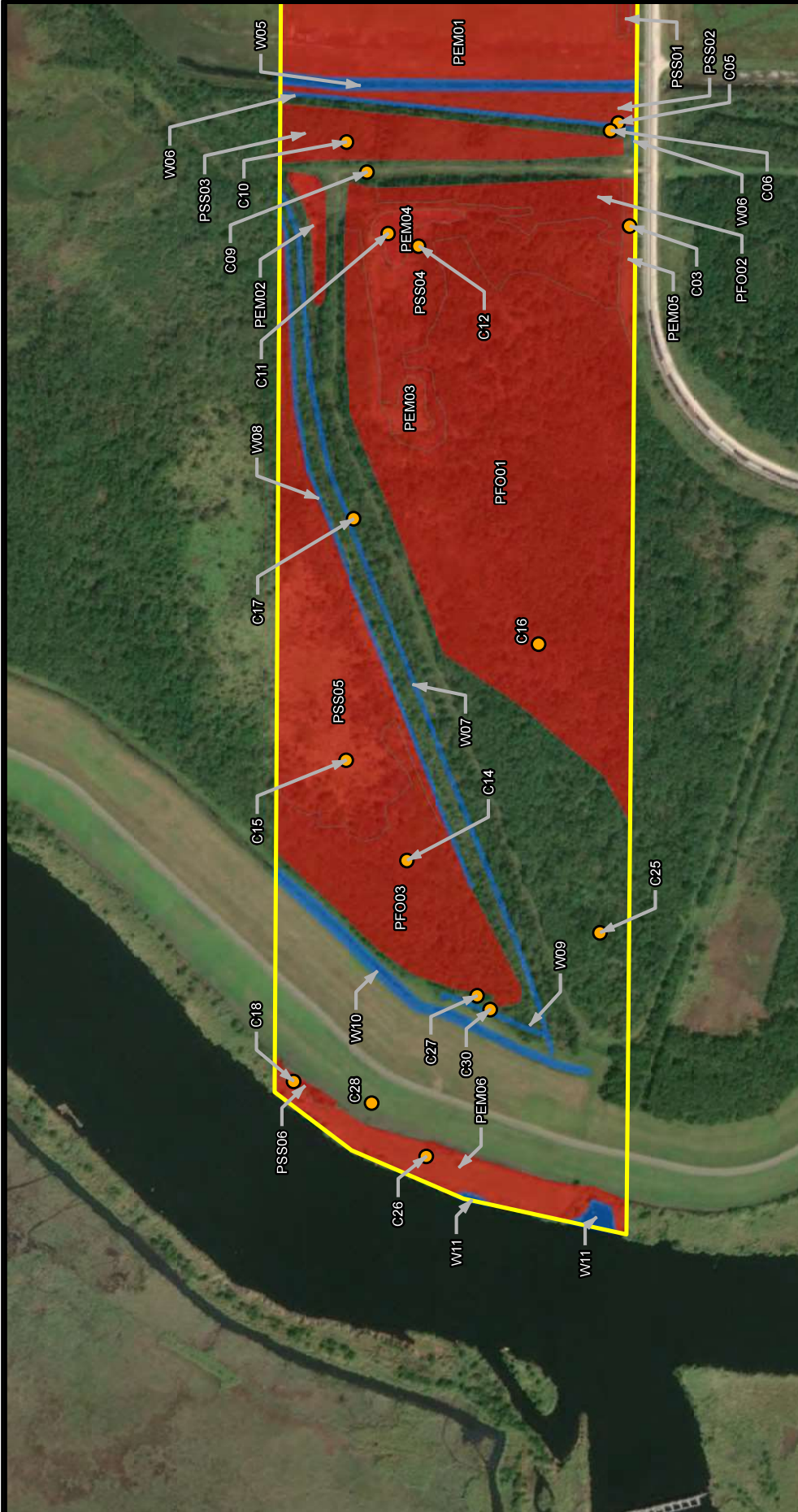
North Arrow



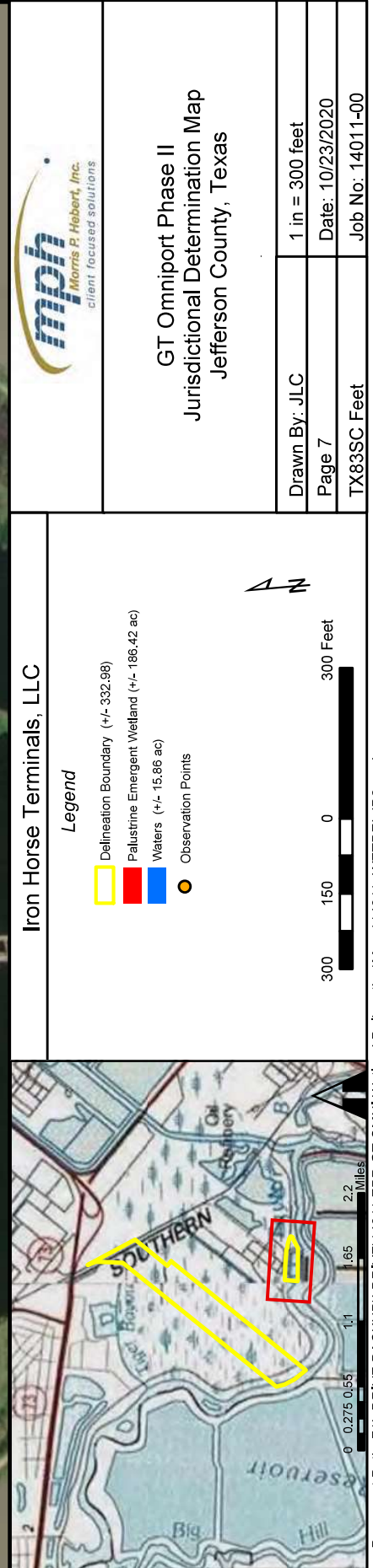
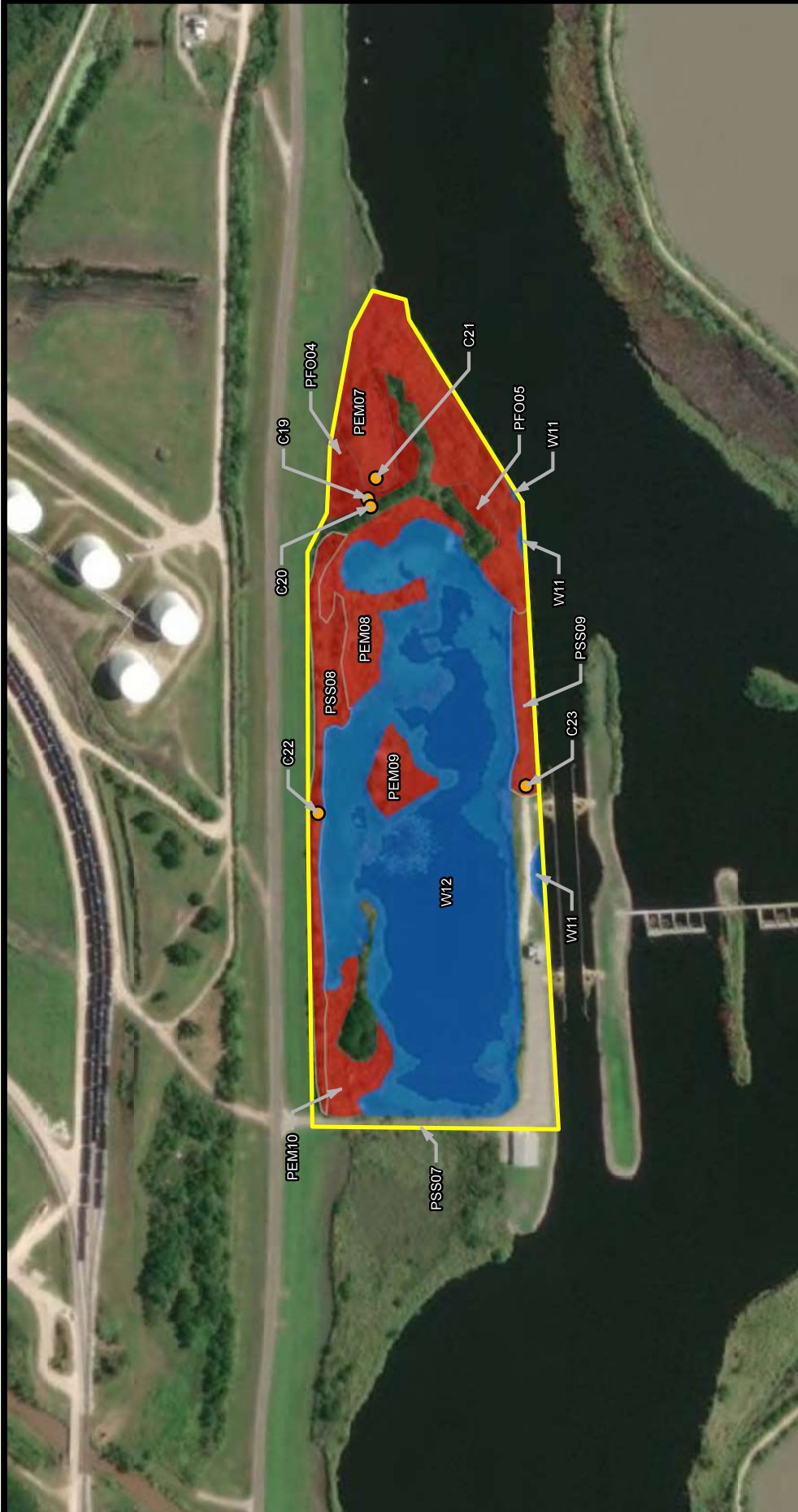
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Project Plans

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Document Path: F:\L DRIVE BACKUP\LD3\14011 EPR GT OMNI Wetland Delineation\Maps\14011_WETDELJD3.mxd

Wetlands Features Delineated within the Survey Area

Cowardin System Wetland ID	Habitat Type	Acreage within Survey Area	Latitude	Longitude	Appendix A Wetland Map Page(s)
PEM01	Pasture	114.51	29.875180	-93.999765	1-2
PEM02	Marsh	0.65	29.869254	-94.006590	2
PEM03	Marsh	0.47	29.867350	-94.006981	2
PEM04	Marsh	0.62	29.868703	-94.005733	2
PEM05	Maintained ROW	0.63	29.867121	-94.004121	2
PEM06	Marsh	3.29	29.861551	-94.011687	2
PEM07	Marsh	2.00	29.861332	-93.995191	3
PEM08	Marsh	0.89	29.861625	-93.996186	3
PEM09	Marsh	0.38	29.861603	-93.997322	3
PEM10	Marsh	0.52	29.861959	-93.999071	3
PSS01	Baccharis	1.94	29.870730	-94.000858	1-2
PSS02	Baccharis	1.93	29.869184	-94.004245	2
PSS03	Tallow	3.69	29.869226	-94.004955	2
PSS04	Tallow	6.32	29.868063	-94.005649	2
PSS05	Baccharis / Tallow	9.89	29.866420	-94.009030	2
PSS06	Baccharis / Celtis	0.21	29.862984	-94.012455	2
PSS07	Baccharis	0.01	29.861572	-93.999651	3
PSS08	Baccharis / Celtis	0.95	29.862023	-93.997475	3
PSS09	Baccharis	0.39	29.860889	-93.996936	3
PFO01	Tallow	27.18	29.866058	-94.006535	2
PFO02	Tallow	2.06	29.868210	-94.004628	2
PFO03	Tallow	7.36	29.863850	-94.010233	2
PFO04	BLH	0.43	29.861669	-93.995252	3
PFO05	BLH	0.10	29.861075	-93.995659	3

Water Features Identified within the Survey Area

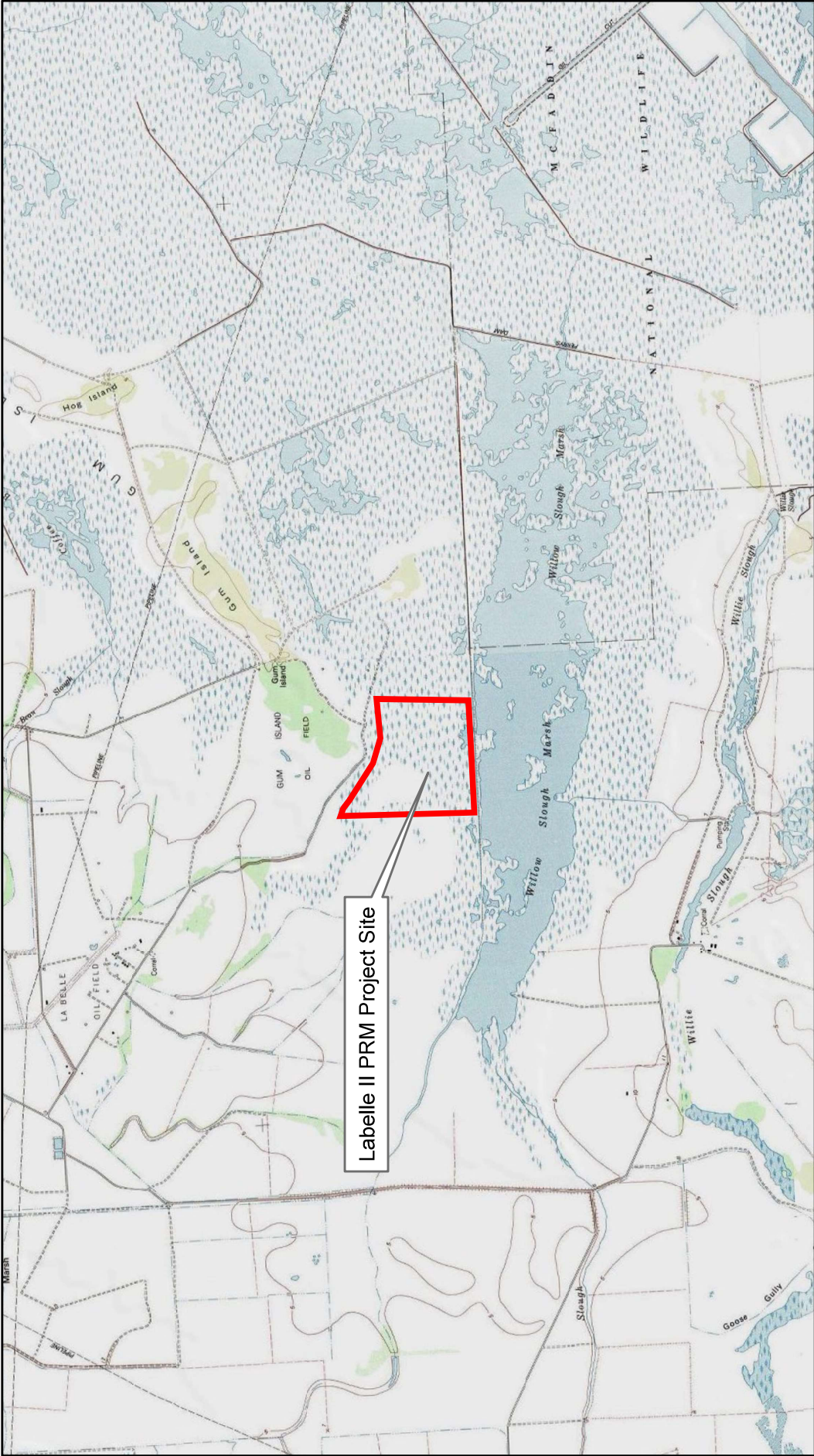
Water ID	Flow Regime	Type	Acreage	Latitude	Longitude	Appendix A Wetland Map Page(s)
W01	Perennial	canal	2.43	29.880205	-93.996008	1
W02	Ephemeral	ditch	0.14	29.879411	-93.996103	1
W03	Ephemeral	ditch	0.13	29.875557	-93.998612	1
W04	Perennial	ditch	1.90	29.873774	-94.000044	1
W05	Intermittent	ditch	0.83	29.869497	-94.004392	2
W06	Ephemeral	ditch	0.13	29.869276	-94.004536	2
W07	Intermittent	ditch	0.41	29.865769	-94.008454	2
W08	Ephemeral	ditch	0.24	29.866560	-94.008331	2
W09	Intermittent	ditch	0.06	29.862366	-94.010380	2
W10	Intermittent	ditch	0.83	29.863135	-94.010758	2
W11	Perennial	Taylor's Bayou	0.31	29.860250	-94.010898	2-3
W12	Perennial	pond	8.46	29.861477	-93.997697	3

PRM Plans



Legend USGS 8-Digit HUC USGS 12-Digit HUC EPA Level III Ecoregions Western Gulf Coastal Plain		GT OMNIPORT LABELLE II PRM MITIGATION PROJECT VICINITY MAP JEFFERSON COUNTY, TEXAS		PREPARED BY: ECOSYSTEM PLANNING & RESTORATION EPR		N		0 7 14 Miles		FIGURE 1		JANUARY 2021	
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PRM Plans



Labelle II PRM Project Site

Legend

 Proposed Mitigation Area

GT OMNIPOINT
LABELLE II PRM MITIGATION PROJECT
USGS TOPOGRAPHIC MAP
JEFFERSON COUNTY, TEXAS

PREPARED BY:
 ECOSYSTEM
PLANNING &
RESTORATION

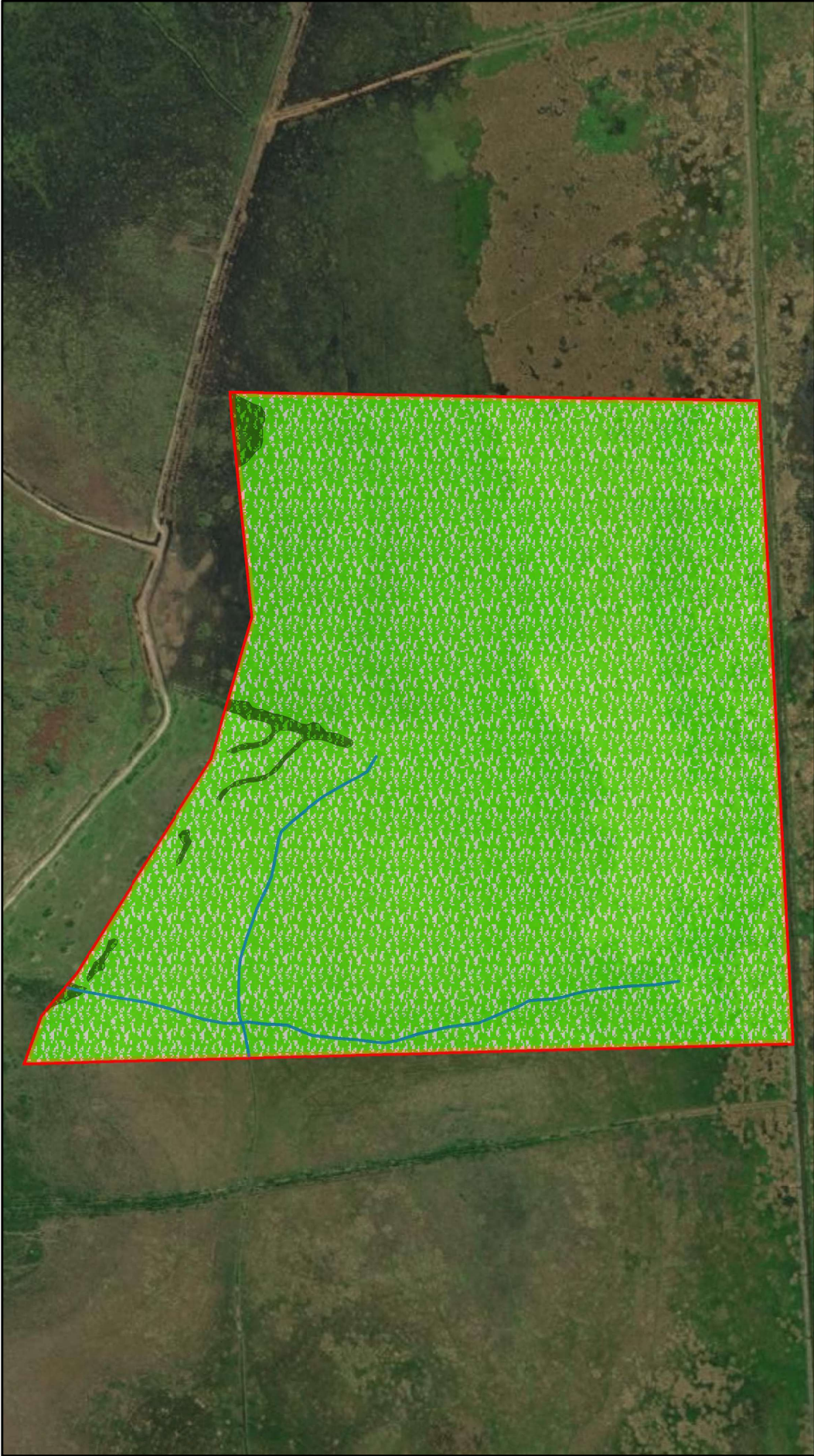


FIGURE 2

JANUARY 2021

Service Layer Credits: Copyright:© 2013
National Geographic Society, i-cubed

PRM Plans



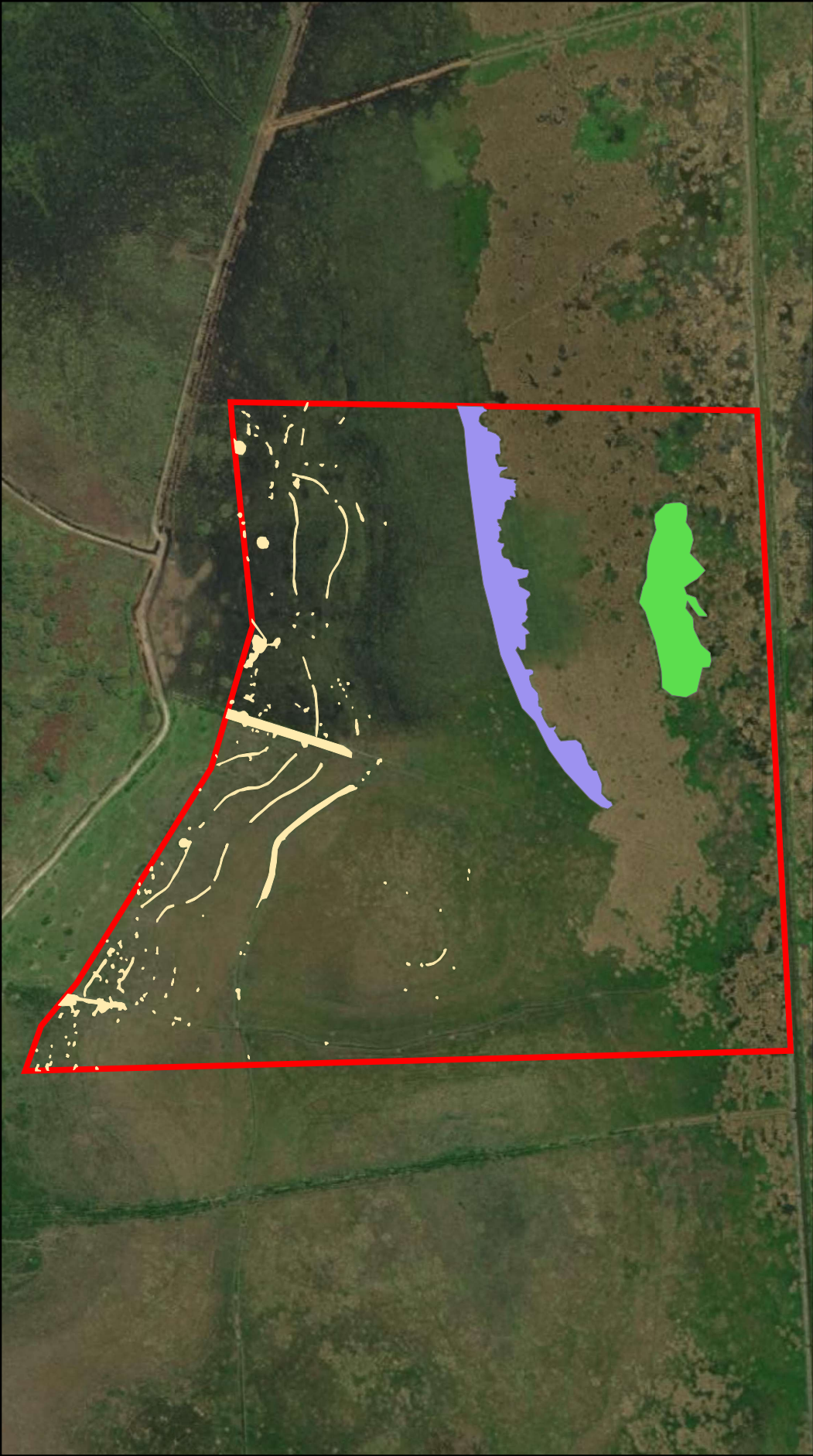
Legend		GT OMNIPOORT	
Aquatic Resources		LABELLE II PRM MITIGATION PROJECT	
	Waters of the US: 1.28 Ac (~4,952 LF)	EXISTING AQUATIC RESOURCES MAP	
	PEM Wetlands: 218.35 Ac	JEFFERSON COUNTY, TEXAS	
	PSS Wetlands: 2.74 Ac	PREPARED BY:	
	Proposed Mitigation Area		
		N 	
		0 350 700 1,050 1,400 Feet	
		FIGURE 7	
		JANUARY 2021	

ACREAGES BASED ON
DELINEATION PERFORMED BY:



JULY 2019

PRM Plans



- Legend**
- Alternanthera philoxeroides
 - Eichhornia crassipes
 - Mixed Triadica sebifera & Rosa bracteata
 - Proposed Mitigation Area

GT OMNIPOORT
LABELLE II PRM MITIGATION PROJECT
INVASIVE SPECIES
JEFFERSON COUNTY, TEXAS

PREPARED BY:
ECOSYSTEM
PLANNING &
RESTORATION
EPR

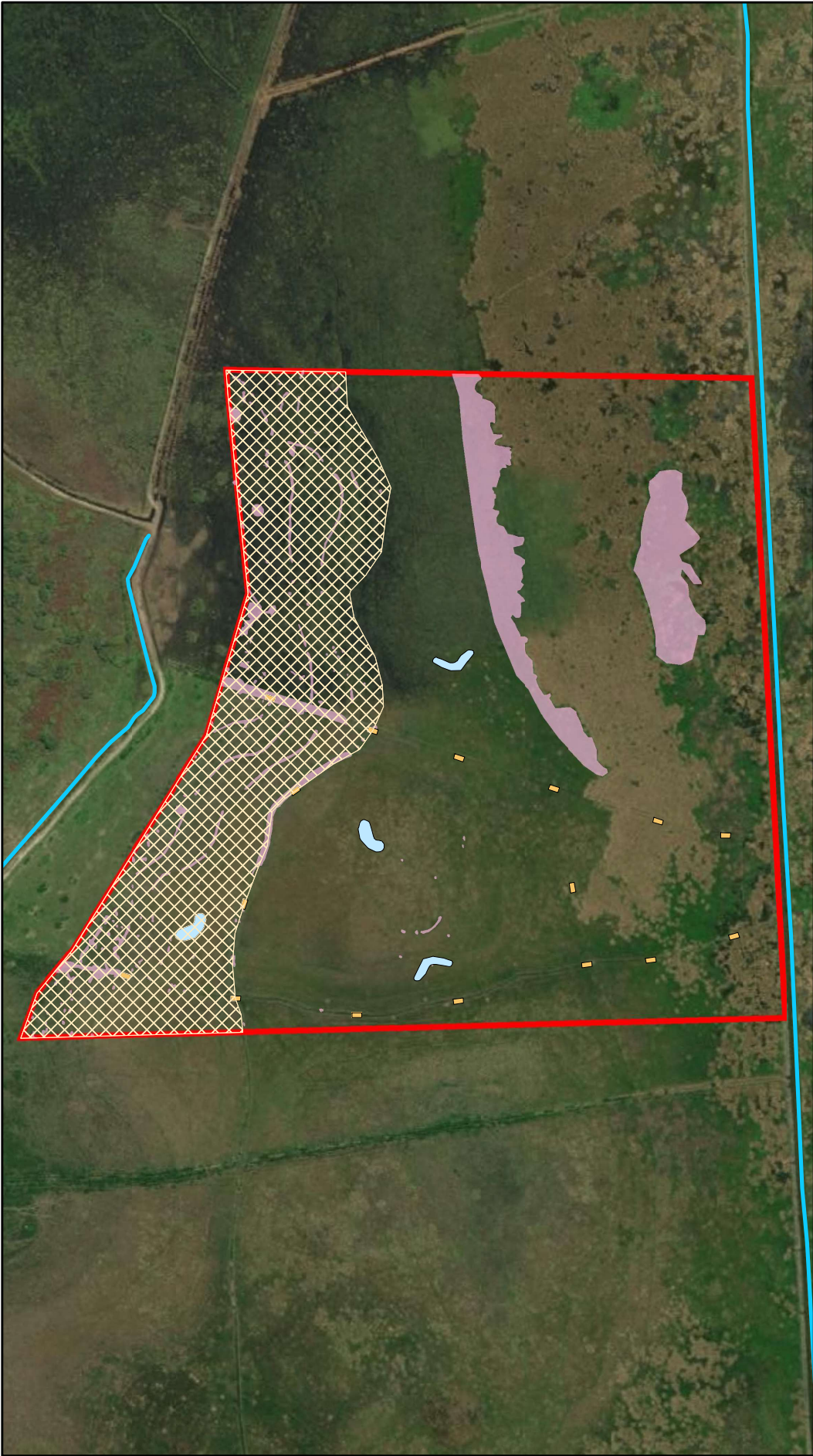
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FIGURE 3

JANUARY 2021

PRM Plans



Legend

Jefferson County Drainage District No. 6 Ditch 552

Rice Berm Removal Area

Ditch Plug

Borrow Areas - Shallow and Transitional Marsh

Invasive Treatments and Emergent Vegetation Planting

Proposed Mitigation Area

GT OMNIPOORT

LABELLE II PRM MITIGATION PROJECT

PROPOSED MITIGATION DESIGN MAP

JEFFERSON COUNTY, TEXAS

PREPARED BY:



ECOSYSTEM
PLANNING &
RESTORATION

03507001,0501,400

Feet

N



FIGURE 9

JANUARY 2021

SWG-2021-00152

Sheet 19/21

Wetlands Features Delineated within the Survey Area

Cowardin System Wetland ID	Habitat Type	Acreage within Survey Area	Latitude	Longitude
PEM01	Wet Pasture	0.02	29.78771203	-94.16639425
PEM02	Wet Pasture	323.80	29.78165582	-94.15914941
PEM03	Wet Pasture / Marsh	128.37	29.77604041	-94.16121404
PEM04	Wet Pasture	13.11	29.78629683	-94.15673433
PEM05	Marsh	0.27	29.78115221	-94.15626107
PEM06	Wet Pasture	13.27	29.78662978	-94.15472671
PEM07	Wet Pasture / Marsh	140.02	29.78305793	-94.15100766
PEM08	Wet Pasture / Marsh	689.63	29.77853469	-94.13576281
PEM09	Wet Pasture	22.23	29.78308077	-94.13984515
PSS01	Myrtle / Baccharis	0.79	29.78454273	-94.1661641
PSS02	Myrtle / Baccharis	0.65	29.78348333	-94.1657977
PSS03	Tallow	0.36	29.78698164	-94.15953398
PSS04	Tallow	0.88	29.78634781	-94.15943005
PSS05	Tallow / Baccharis	2.02	29.78596342	-94.15840658
PSS06	Tallow	2.37	29.78508136	-94.15925598
PSS07	Baccharis / Rose	2.85	29.78462623	-94.16121866
PSS08	Baccharis / Rose	3.90	29.78426718	-94.15976676
PSS09	Baccharis / Rose	0.12	29.7842067	-94.15924641
PSS10	Baccharis / Rose	0.03	29.78352822	-94.15979783
PSS11	Baccharis / Rose	0.19	29.78387808	-94.15867161
PSS12	Tallow / Rose	0.13	29.78673373	-94.15600865
PSS13	Tallow / Rose	1.34	29.7870138	-94.15616271
PSS14	Tallow / Rose	0.94	29.78488741	-94.15159196
PSS15	Baccharis	0.06	29.7878111	-94.15220406
PSS16	Tallow	15.16	29.78393224	-94.1417021
PSS17	Baccharis	1.76	29.78463582	-94.14084819
PSS18	Baccharis	0.75	29.78406179	-94.13819856
PSS19	Baccharis	0.15	29.78392294	-94.13805268
PSS20	Baccharis	1.45	29.7835553	-94.13763685
PSS21	Baccharis	0.18	29.78235848	-94.13587332
PSS22	Tallow / Baccharis	5.29	29.78099359	-94.13421242
PSS23	Baccharis	0.55	29.78124885	-94.12934121
PSS24	Tallow / Baccharis	0.22	29.78043106	-94.1236138
PSS25	Baccharis	0.05	29.7779413	-94.11833961
PSS26	Tallow	0.22	29.77898174	-94.14101581

MPH Project Number 12339-00



Water Features Identified within the Survey Area

Water ID	Flow Regime	Type	Sec. 10 / Sec. 404	Acreage	Latitude	Longitude
W01	Intermittent	canal	404	0.02	29.78766871	-94.1663657
W02	Perennial	canal	404	5.18	29.77755668	-94.15962347
W03	Intermittent	ditch	404	2.29	29.78481317	-94.15457825
W04	Intermittent	ditch	404	3.25	29.78078331	-94.1406353
W05	Intermittent	ditch	404	0.18	29.78028841	-94.12434365
W06	Intermittent	ditch	404	0.05	29.78038264	-94.12338659
W07	Intermittent	ditch	404	0.16	29.78039746	-94.12360531
W08	Intermittent	ditch	404	0.19	29.77874839	-94.12111746
W09	Intermittent	ditch	404	0.27	29.77470299	-94.12272799

MPH Project Number 12339-00

