



DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT  
7400 LEAKE AVENUE  
NEW ORLEANS LA 70118-3651

# PUBLIC NOTICE

February 13, 2023

United States Army  
Corps of Engineers  
New Orleans District  
Attn: Regulatory Division, RGW  
7400 Leake Ave.  
New Orleans, Louisiana 70118-3651

Project Manager:  
Johnny J. Duplantis  
(504) 862-2548  
johnny.j.duplantis@usace.army.mil  
Application #: MVN-2022-01059-WPP

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the U.S. Army Corps of Engineers pursuant to: [ ☒ ] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or [ ☐ ] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344).

## **INSTALLATION OF OIL EXPORT PIPELINE IN THE GULF OF MEXICO**

**NAME OF APPLICANT:** Manta Ray Gathering Company, LLC, 919 Milam Street, Suite 210, Houston, Texas 77002.

**LOCATION OF WORK:** Located in the Gulf of Mexico, Outer Continental Shelf, Louisiana, Point of Beginning latitude 26.88628, longitude -91.567608, Point of Ending latitude 27.9231339, longitude -91.553897, as shown within the enclosed drawings.

**CHARACTER OF WORK:** The installation of approximately 105.26 statute miles of 20-inch diameter oil export pipeline. The proposed pipeline would begin in the Walker Ridge Area, Block 52, and would terminate in the Garden Banks Area, Block 72. The proposed project does not include a discharge of fill material into waters of the US and/or include any wetland impacts or effects to special aquatic sites. The applicant has not proposed to provide compensatory mitigation, as there are no plans to impact wetlands resources through project construction.

The comment period on the requested Department of the Army Permit will close **15 days** from the date of this public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit request, and must be submitted so as to be received before or by the last day of the comment period. Letters and/or

comments concerning the subject permit application must reference the Applicant's Name and the Permit Application Number and can be preferably emailed to the Corps of Engineers project manager listed above or forwarded to the Corps of Engineers at the address above, **ATTENTION: REGULATORY DIVISION, RGW, Johnny**

**Duplantis**. Individuals or parties may also request an extension of time in which to comment on the proposed work by mail or preferably by emailing the specified project manager listed above. Any request for an extension of time to comment must be specific and substantively supportive of the requested extension and received by this office prior to the end of the initial comment period. The Branch Chief will review the request and the requestor will be promptly notified of the decision to grant or deny the request. If granted, the time extension will be continuous and inclusive of the initial comment period and will not exceed a total of 30 calendar days.

### **Corps of Engineers Permit Criteria**

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers is soliciting comments from the public, federal, state, and local agencies and officials, Indian Tribes, and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the U.S. Army Corps of Engineers to determine whether to make, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The New Orleans District is unaware of properties listed on the National Register of Historic Places near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. Copies of this public notice are being sent to the State Archeologist and State Historic Preservation Officer regarding potential impacts to cultural resources.

Our initial finding is that the proposed work would neither affect any species listed as endangered by the U.S. Departments of Interior or Commerce, nor affect any habitat designated as critical to the survival and recovery of any endangered species. Based on the Information Planning and Consultation (IPaC) tool for Endangered Species in Louisiana, as signed on January 27, 2020, between the U.S. Army Corps of Engineers, New Orleans and the U.S. Fish and Wildlife Service, it has been determined that the project would have no effect to any listed species.

Our initial finding is that the proposed work would have no effect on any species listed as endangered by the U.S. Department of Commerce, nor affect any habitat designated as critical to the survival and recovery of any such species.

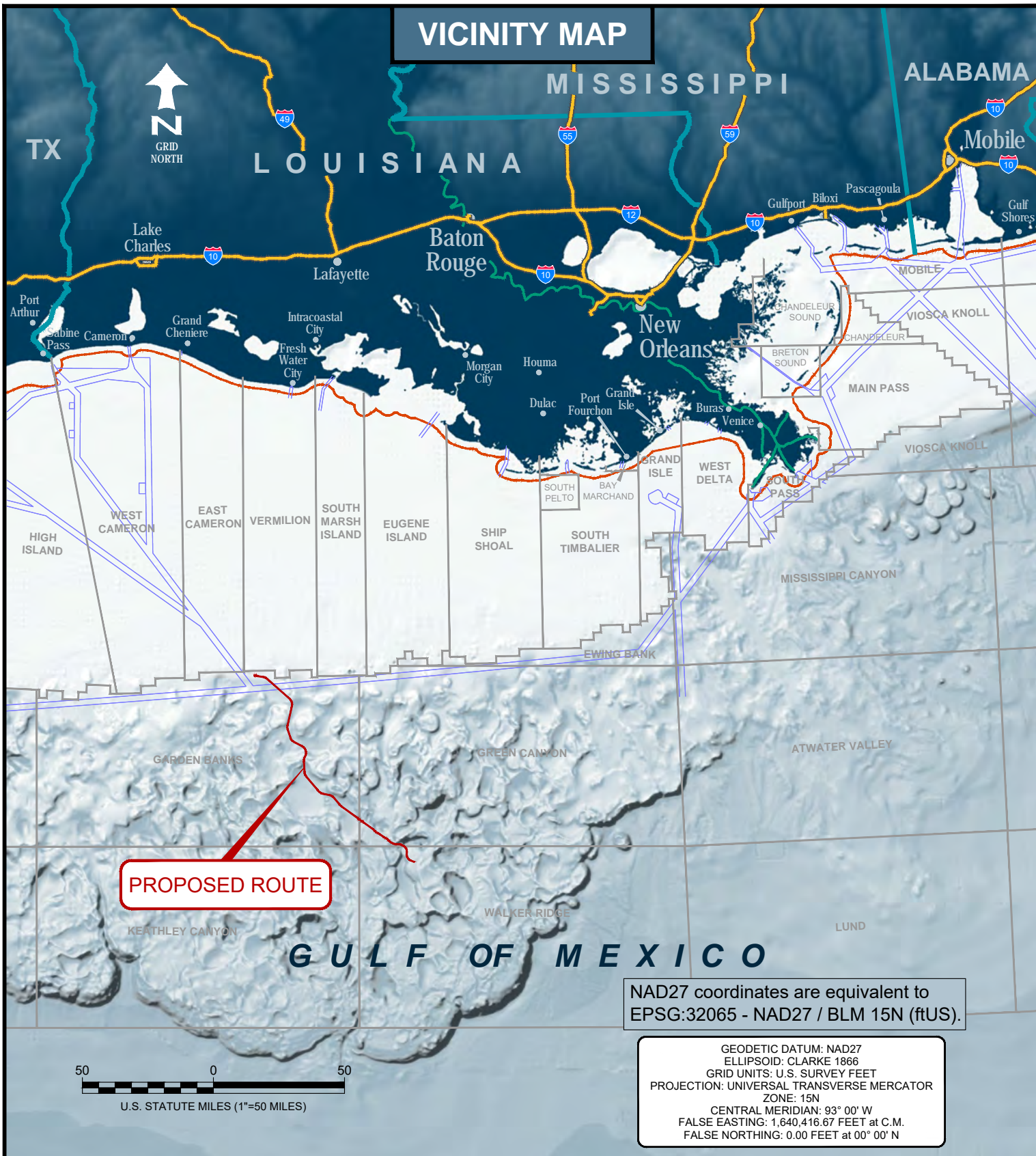
This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal may result in the destruction, alteration, and/or disturbance of 0 **acres** of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

You are invited to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.

Darrell S. Barbara  
Chief, Western Evaluation Branch  
Regulatory Division

Enclosure



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
 Block 52 Proposed PLET Hub, Walker Ridge Area  
 to  
 Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
 202 STANTON STREET  
 BROUSSARD, LA 70518  
 (337) 210-0000  
 LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrotte

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-01

**SHEET 1 of 51**

REV.  
**1**

MATCH LINE

CURVE 1 DATA	
PC1	84+69.06'
X=	2,099,316.88'
Y=	9,761,916.26'
Lat=	26°53'42.696"N
Lon=	91°35'29.828"W
PT1	240+80.60'
X=	2,091,490.27'
Y=	9,774,260.75'
Lat=	26°55'45.818"N
Lon=	91°36'54.788"W
PI1	
X=	2,090,955.45'
Y=	9,765,268.32'
R=	12,500.00'
T=	9,008.32'
Δ=	71°33'29"
L=	15,611.53'



THE PROPOSED ROUTE IS ACCURATELY REPRESENTED.

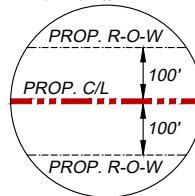
ROBERT M. FROST  
PROFESSIONAL LAND SURVEYOR  
LOUISIANA REGISTRATION No. 4573

FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

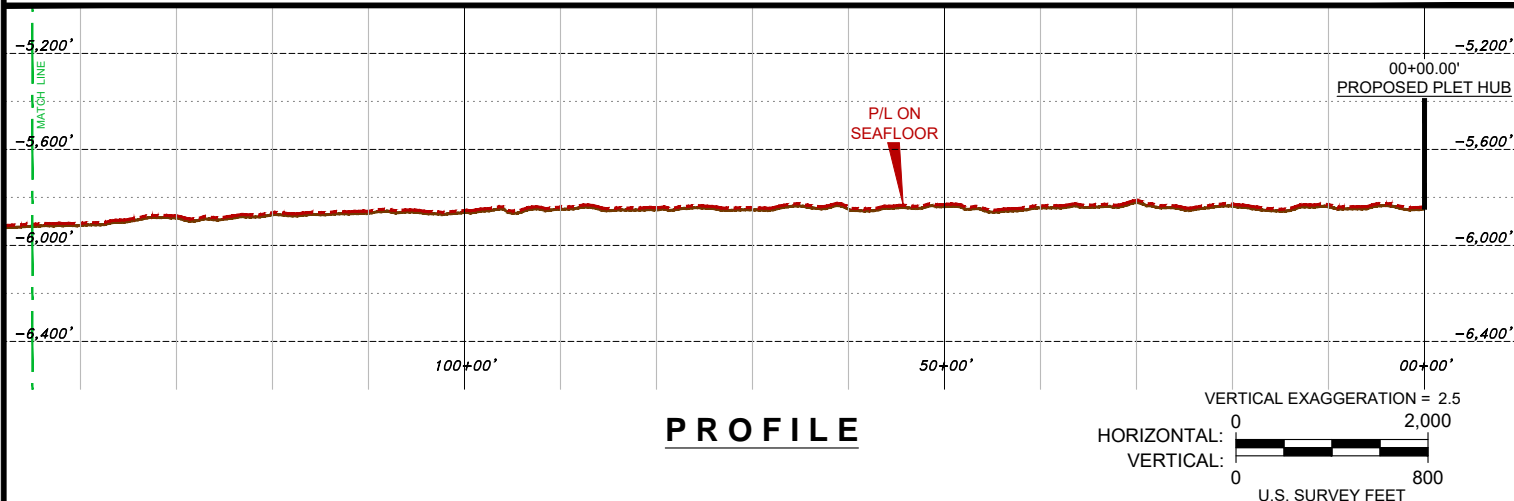


SCALE IN US SURVEY FEET  
NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

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LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrottie

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-02

**SHEET 2 of 51**

REV.  
**1**

WR6

N03°24'13"E  
4,860.09'

MATCH

LINE

WR7

OCS-G-37315  
BEACON230+99.39'  
BLOCKLINE CROSSING  
X= 2,091,470.50'  
Y= 9,773,280.00'  
Lat= 26°55'36.106"N  
Lon= 91°36'55.125"W

WR50

WR51

OCS-G-31938  
BOE E&P

CURVE 1 DATA	
PC1	84+69.06'
X=	2,099,316.88'
Y=	9,761,916.26'
Lat=	26°53'42.696"N
Lon=	91°35'29.121"W
PT1	240+80.60'
X=	2,091,490.27'
Y=	9,774,260.75'
Lat=	26°55'45.111"N
Lon=	91°36'54.111"W
PI1	
X=	2,090,955.45'
Y=	9,765,268.32'
R=	12,500.00'
T=	9,008.32'
Δ=	1°33'29"D
L=	15,611.53'

WR50

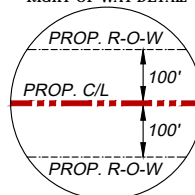
FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.



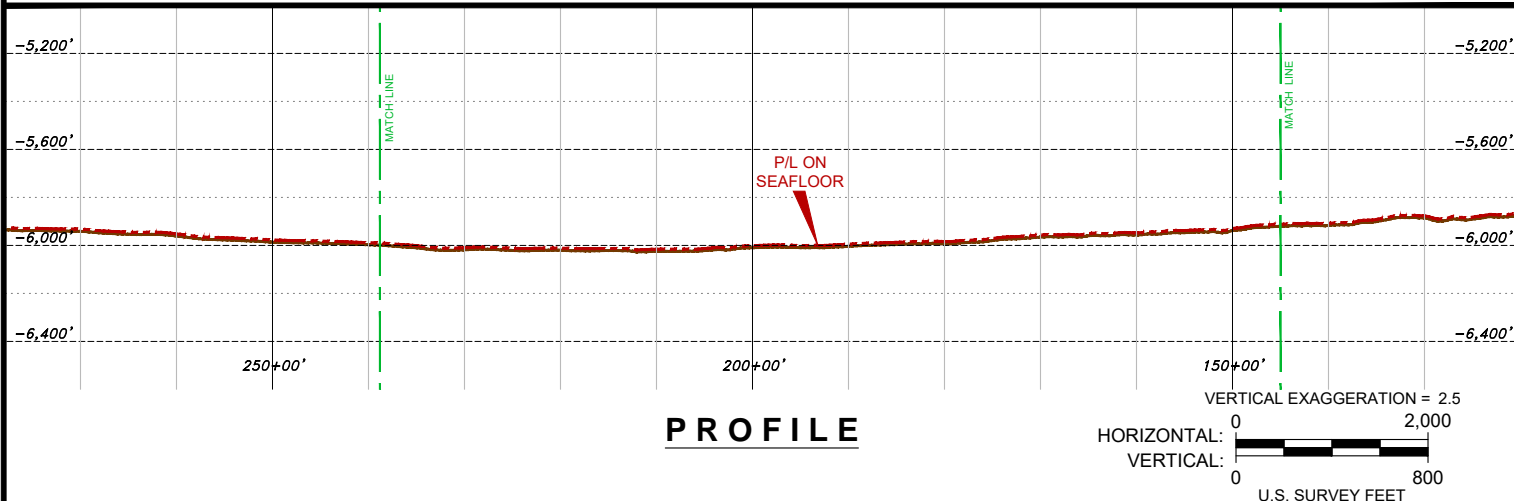
SCALE IN US SURVEY FEET

NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
 ELLIPSOID: CLARKE 1866  
 GRID UNITS: U.S. SURVEY FEET  
 PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
 ZONE: 15N  
 CENTRAL MERIDIAN: 93° 00' W  
 FALSE EASTING: 1,640,416.67 FEET at C.M.  
 FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

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 to  
 Block 72 BOR at "A" Platform, Garden Banks Area

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 BROUSSARD, LA 70518  
 (337) 210-0000  
 LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrottie

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-03

SHEET 3 of 51

REV.  
1





CURVE 1 DATA		CURVE 2 DATA	
PC1	244+69.06'	PC2	289+40.69'
X=	2,099.316.88'	X=	2,091,778.81'
Y=	9,761.916.26'	Y=	9,779,112.27'
Lat=	26°53'42.696"N	Lat=	26°56'33.838"N
Lon=	91°35'29.828"W	Lon=	91°36'51.013"W
PT1	240+80.60'	PT2	424+86.04'
X=	2,091,490.27'	X=	2,085,797.88'
Y=	9,774,260.75'	Y=	9,790,533.28'
Lat=	26°55'45.818"N	Lat=	26°58'27.603"N
Lon=	91°36'54.788"W	Lon=	91°37'55.739"W
PI1		PI2	
X=	2,090,955.45'	X=	2,092,225.49'
Y=	9,765,268.32'	Y=	9,786,622.73'
R=	12,500.00'	R=	12,500.00'
T=	9,008.32'	T=	7,523.73'
Δ=	71°33'29"	Δ=	62°05'14"
L=	15,611.13'	L=	15,545.35'

N03°24'13"E  
4.860.09'

FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

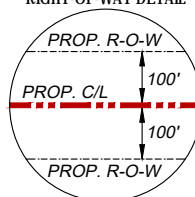
## PLAN



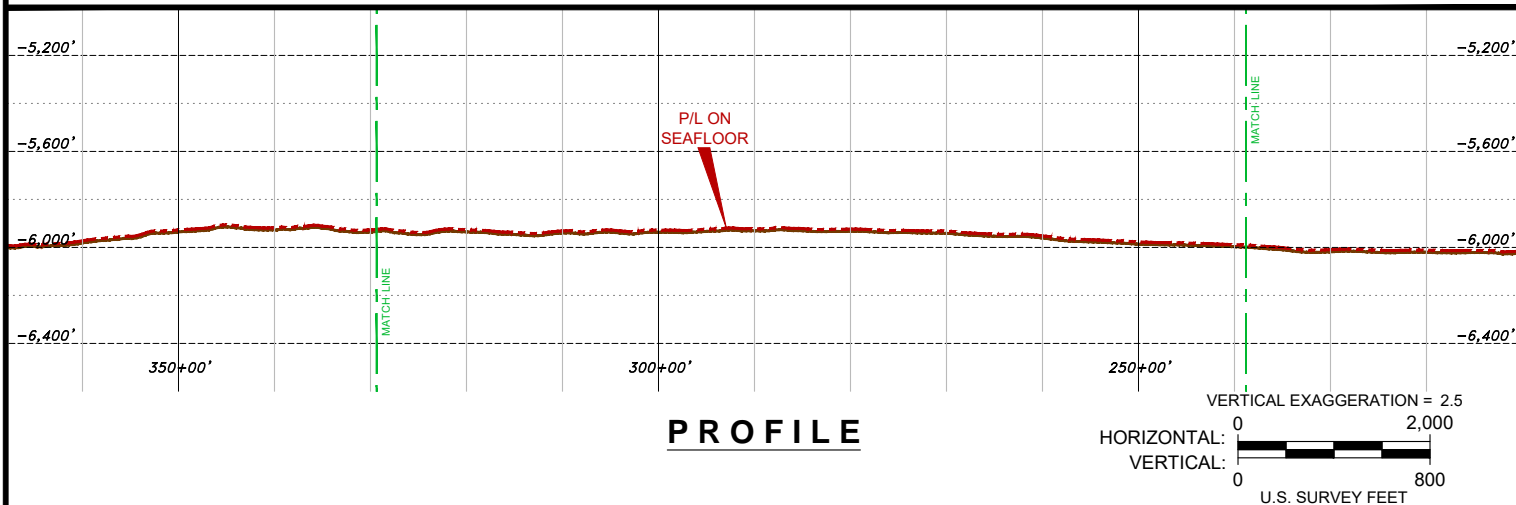
SCALE IN US SURVEY FEET

NADCON version 2.1 utilized for  
WGS84-NAD27 conversions.

### RIGHT-OF-WAY DETAIL

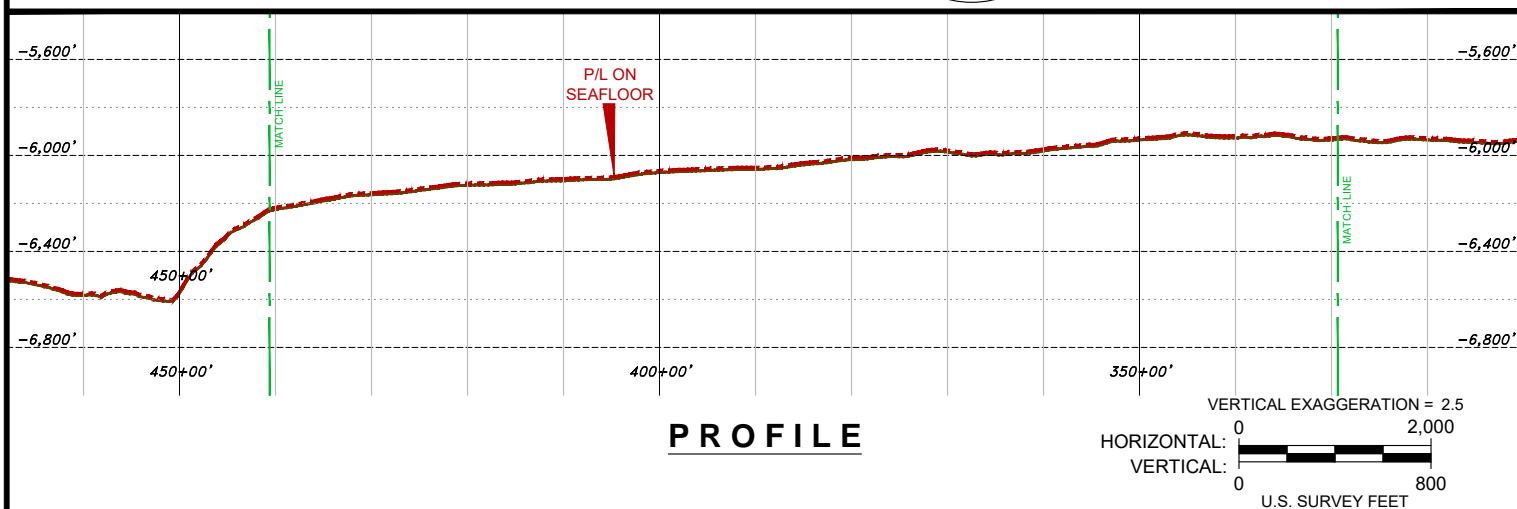
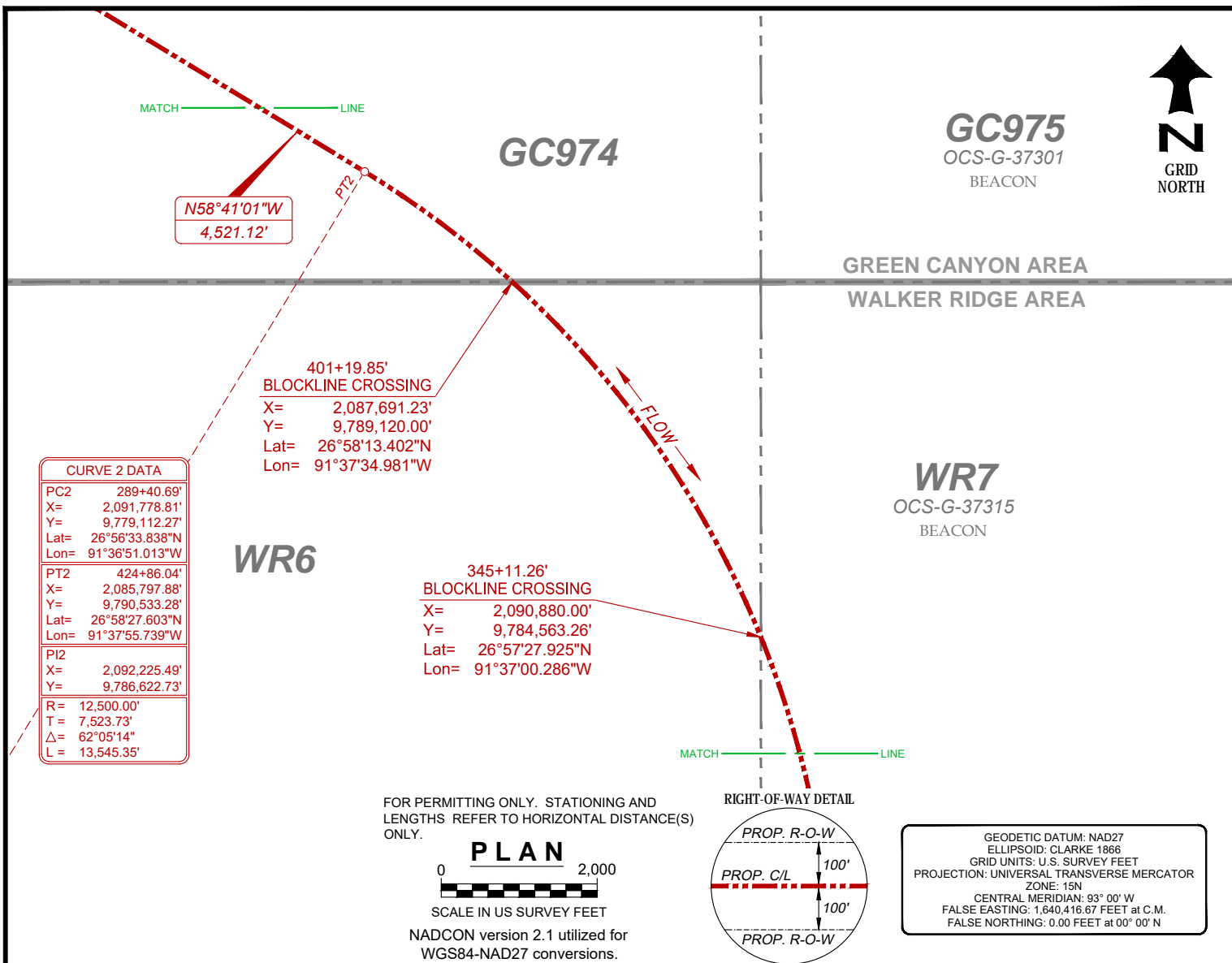



GEODETIC DATUM: NAD27  
 ELLIPSOID: CLARKE 1866  
 GRID UNITS: U.S. SURVEY FEET  
 PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
 ZONE: 15N  
 FALSE EASTING: 1,640,416.67 FEET at C.M.  
 FALSE NORTHING: 0.00 FEET at C.M.



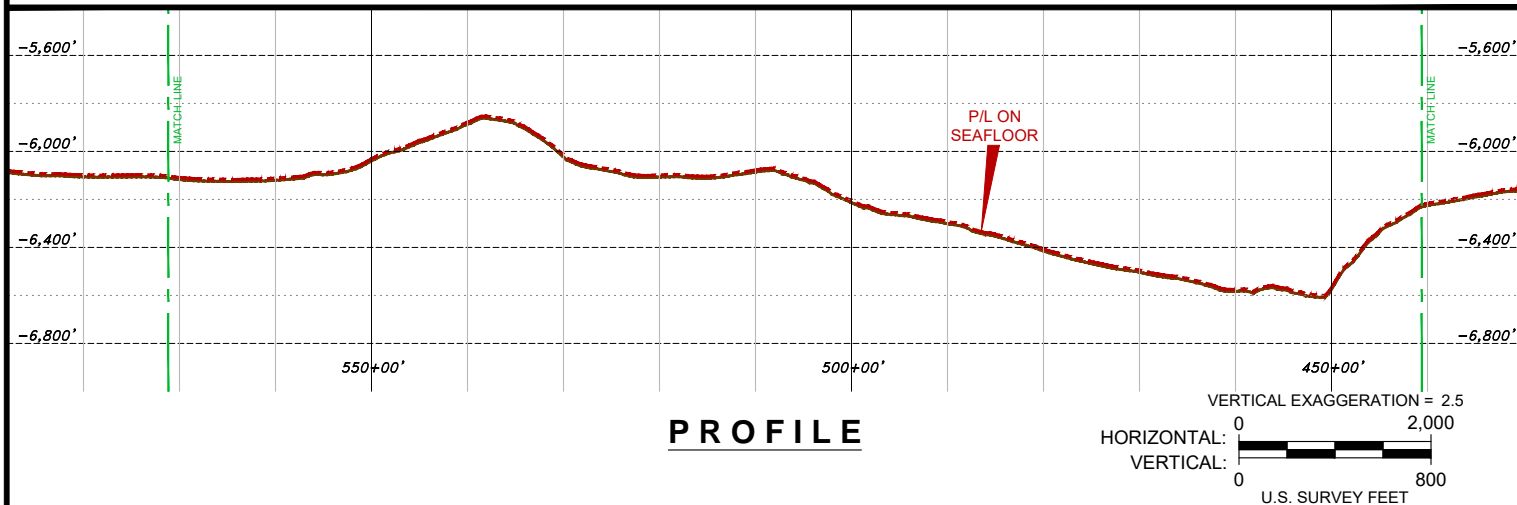
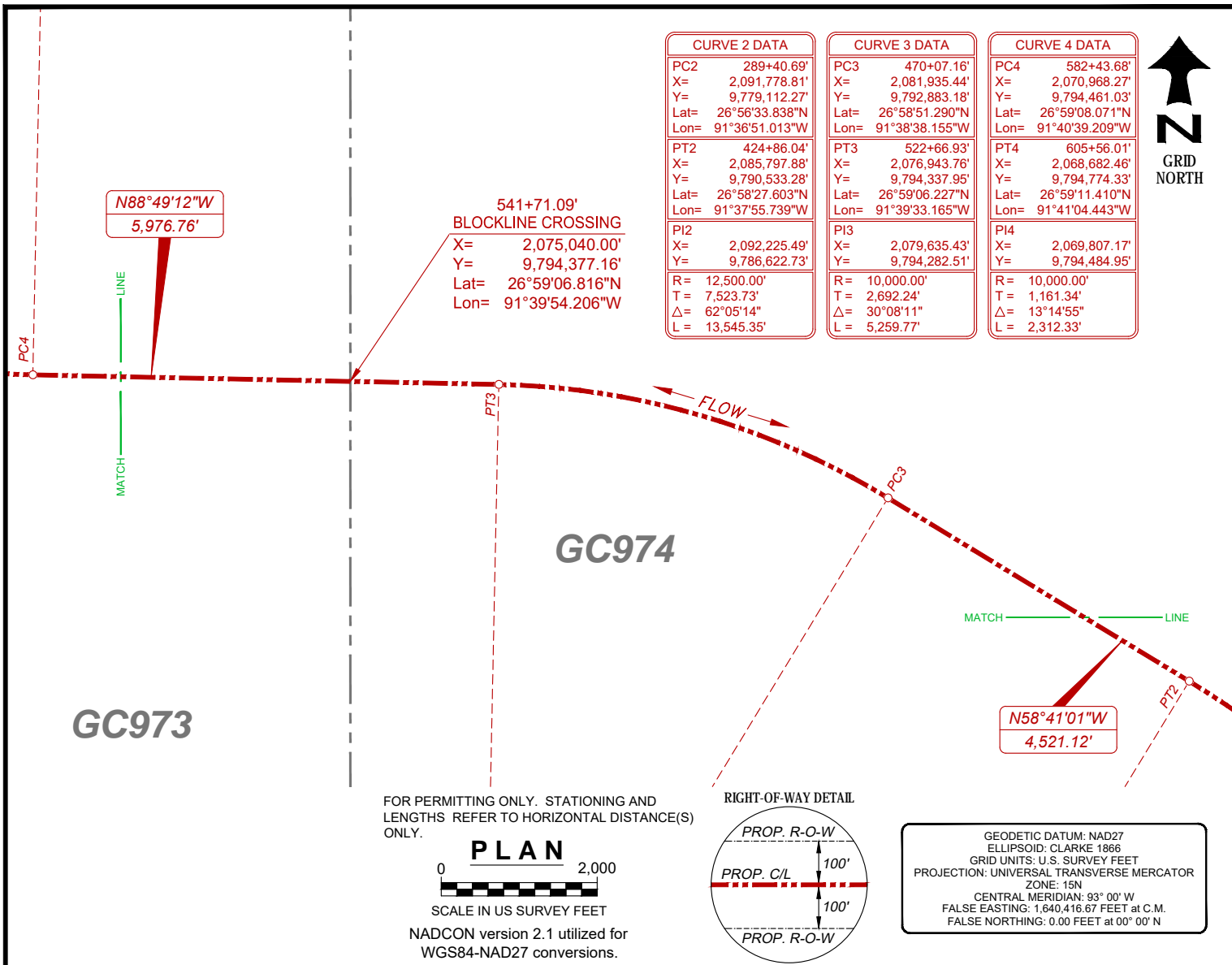
**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

REV.  
1



<div>MANTA RAY GATHERING COMPANY, L.L.C.</div>		<div>PROPOSED 20" OIL EXPORT ROUTE</div> <div>Block 52 Proposed PLET Hub, Walker Ridge Area</div> <div>to</div> <div>Block 72 BOR at "A" Platform, Garden Banks Area</div>					
<div>PREPARED BY:</div> <div></div>	<div>OCEANEERING INTERNATIONAL, INC.</div> <div>202 STANTON STREET</div> <div>BROUSSARD, LA 70518</div> <div>(337) 210-0000</div> <div>LA Reg. No. 747</div>		<div>JOB: 216819</div>	<div>DRW: J. Guidry</div>	<div>DATE: August 12, 2022</div>		
			<div>CKD: D. Pierrotte</div>	<div>APP: R. Frost</div>	<div>SHEET 5 of 51</div>		<div>REV. 1</div>
			<div>DOC: 216819-OII-DRW-PRM-001-05</div>				





MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
 Block 52 Proposed PLET Hub, Walker Ridge Area  
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 Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
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 BROUSSARD, LA 70518  
 (337) 210-0000  
 LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

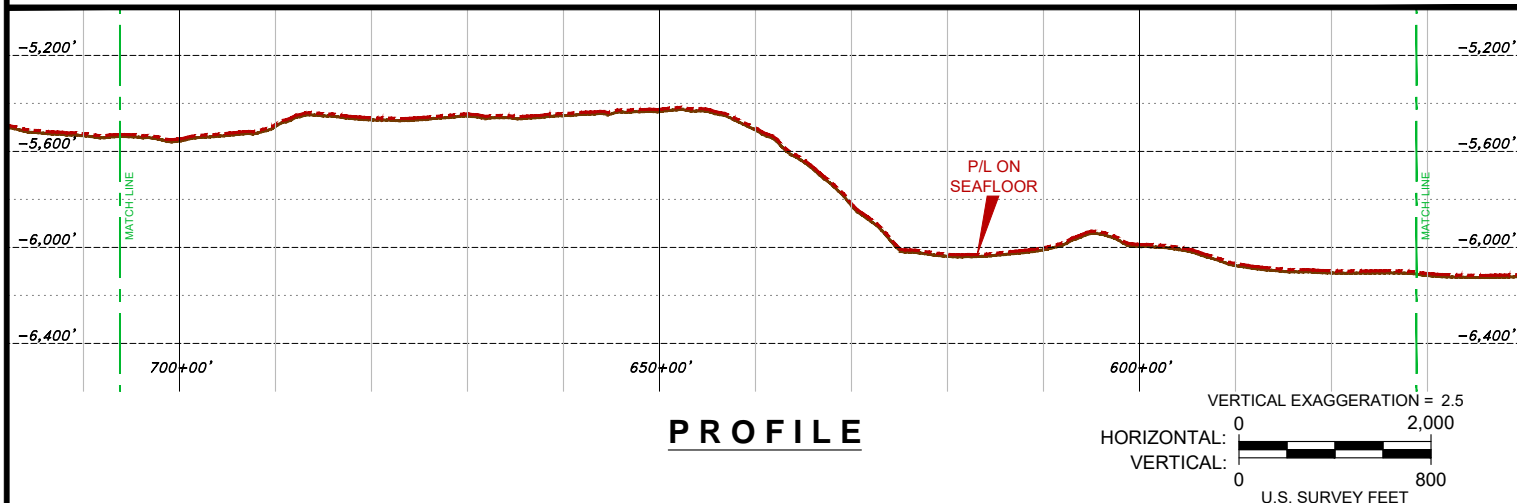
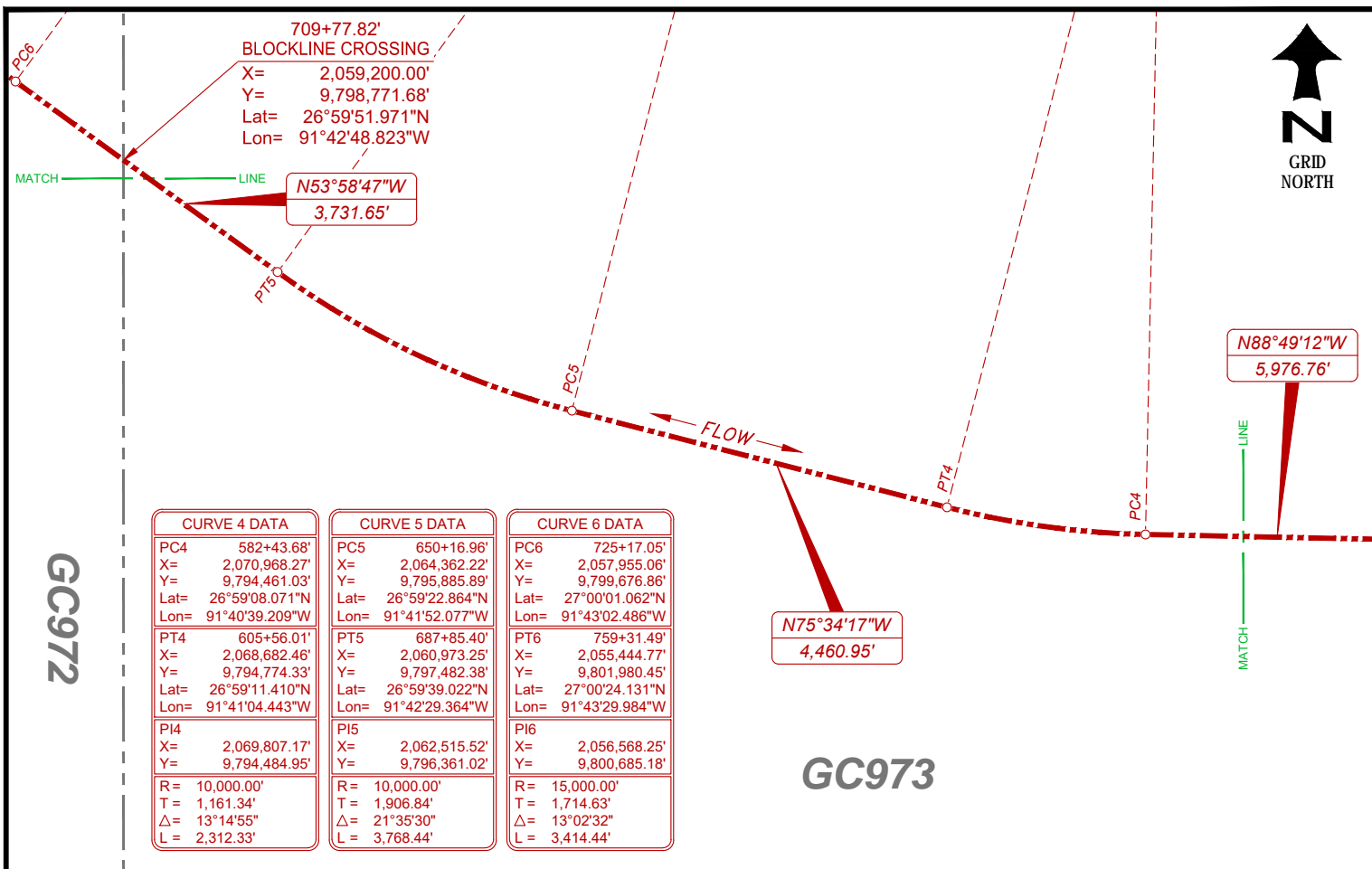
CKD: D. Pierrotte

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-06

**SHEET 6 of 51**

REV.  
**1**



MANTA RAY GATHERING COMPANY, L.L.C.

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 to  
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 (337) 210-0000  
 LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrotte

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-07

**SHEET 7 of 51**

REV.  
1





CURVE 7 DATA	
PC7	769+33.51'
X=	2,054,788.20'
Y=	9,802,737.40'
Lat=	27°00'31.694"N
Lon=	91°43'37.160"W
PT7	837+62.38'
X=	2,049,312.52'
Y=	9,806,718.68'
Lat=	27°01'11.672"N
Lon=	91°44'37.269"W
PI7	
X=	2,052,511.48'
Y=	9,805,362.24'
R=	15,000.00'
T=	3,474.66'
Δ=	26°05'04"
L=	6,828.87'

CURVE 8 DATA	
PC8	847+64.40'
X=	2,048,390.01'
Y=	9,807,109.84'
Lat=	27°01'15.638"N
Lon=	91°44'47.428"W
PT8	881+78.84'
X=	2,045,424.62'
Y=	9,808,787.52'
Lat=	27°01'32.546"N
Lon=	91°45'20.039"W
PI8	
X=	2,046,811.43'
Y=	9,807,779.20'
R=	15,000.00'
T=	1,714.63'
Δ=	13°02'32"
L=	3,414.44'

GC927

N53°58'47"W  
10,421.99'

907+31.51'  
BLOCKLINE CROSSING  
X= 2,043,360.00'  
Y= 9,810,288.67'  
Lat= 27°01'47.616"N  
Lon= 91°45'42.709"W

GC928  
OCS-G-36660  
ANADARKO

802+11.07'  
BLOCKLINE CROSSING  
X= 2,052,388.25'  
Y= 9,804,960.00'  
Lat= 27°00'53.948"N  
Lon= 91°44'03.451"W

N67°01'19"W  
1,002.02'

GC971

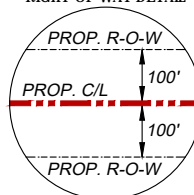
GC972

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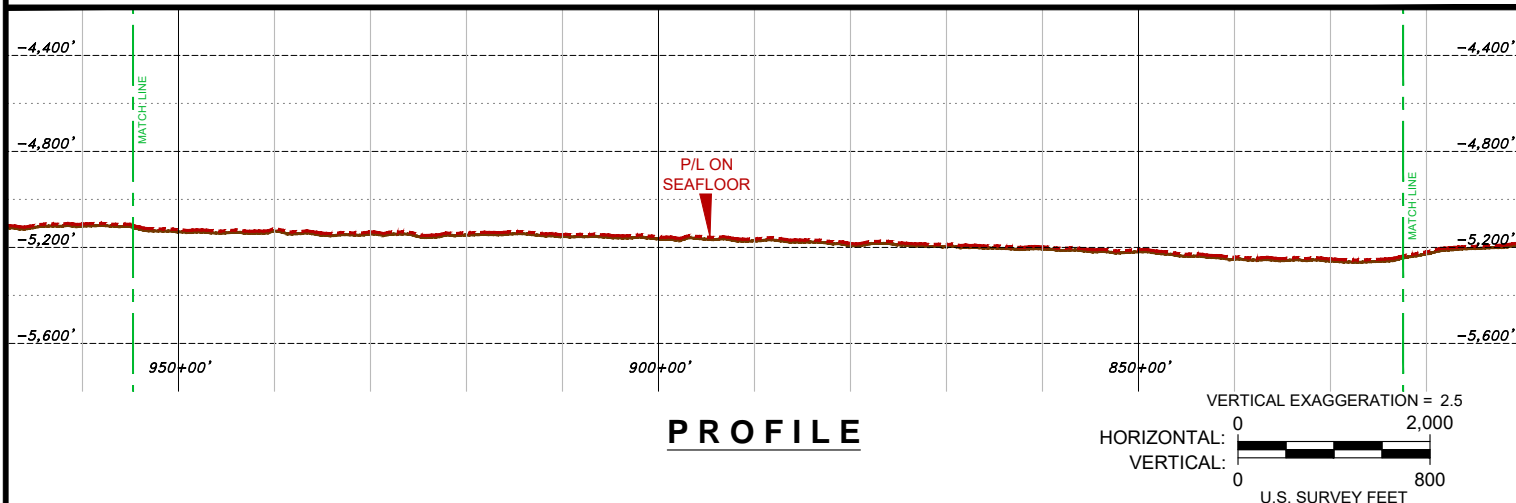


SCALE IN US SURVEY FEET  
NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

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JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrotte

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-09

**SHEET 9 of 51**

REV.  
**1**





GC882

N53°58'47"W  
25,288.80'

1127+44.67'  
S-17364 BP 2" Cable  
X= 2,025,702.15'  
Y= 9,823,012.78'  
Lat= 27°03'55.330"N  
Lon= 91°48'56.680"W

GC883

1099+81.00'  
BLOCKLINE CROSSING  
X= 2,027,520.00'  
Y= 9,820,935.32'  
Lat= 27°03'34.583"N  
Lon= 91°48'36.785"W

1098+07.80'  
BLOCKLINE CROSSING  
X= 2,027,628.10'  
Y= 9,820,800.00'  
Lat= 27°03'33.233"N  
Lon= 91°48'35.603"W

CURVE 10 DATA		CURVE 11 DATA	
PC10	1032+01.62'	PC11	1110+19.81'
X=	2,032,877.45'	X=	2,026,871.65'
Y=	9,816,927.15'	Y=	9,821,746.97'
Lat=	27°02'54.377"N	Lat=	27°03'42.683"N
Lon=	91°47'37.941"W	Lon=	91°48'43.873"W
PT10	1096+36.42'	PT11	1142+37.21'
X=	2,027,735.06'	X=	2,024,552.59'
Y=	9,820,666.09'	Y=	9,823,963.21'
Lat=	27°03'31.896"N	Lat=	27°04'04.851"N
Lon=	91°48'34.434"W	Lon=	91°49'09.299"W
PI10		PI11	
X=	2,029,792.65'	X=	2,025,861.57'
Y=	9,818,090.23'	Y=	9,823,011.48'
R=	12,000.00'	R=	12,000.00'
T=	3,296.78'	T=	1,618.41'
Δ=	30°43'26"	Δ=	15°21'43"
L=	6,434.79'	L=	3,217.40'

GC926  
OCS-G-36057  
ANADARKO

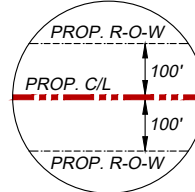
GC927

FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

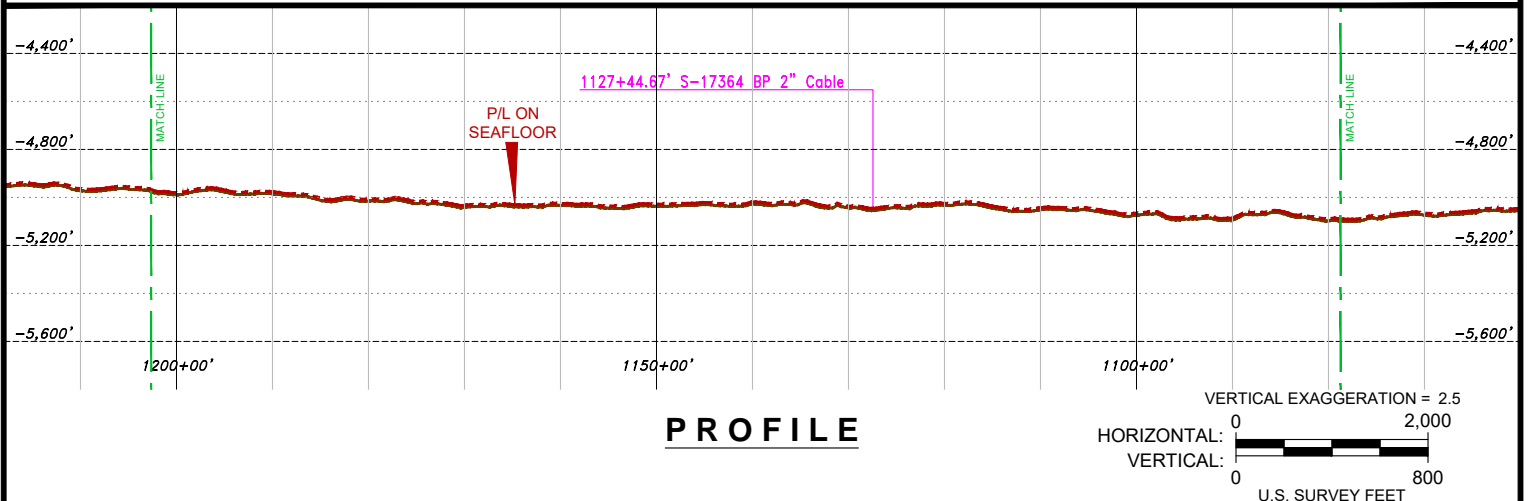


SCALE IN US SURVEY FEET  
NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



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JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrottie

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-11

**SHEET 11 of 51**

REV.  
**1**





MATCH LINE

1301+52.69'  
BLOCKLINE CROSSING  
X= 2,011,680.00'  
Y= 9,833,322.65'  
Lat= 27°05'38.735"N  
Lon= 91°51'30.780"W

GC881

GC882

N53°58'47"W  
25,288.80'

FLOW

MATCH LINE

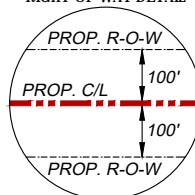
FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.



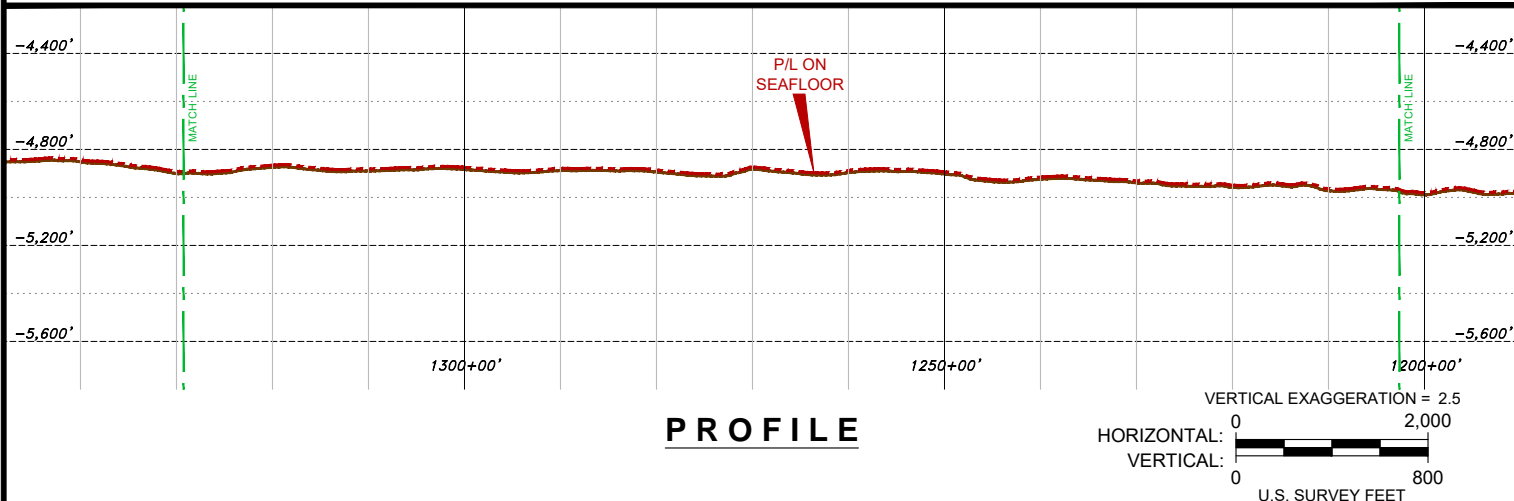
SCALE IN US SURVEY FEET

NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

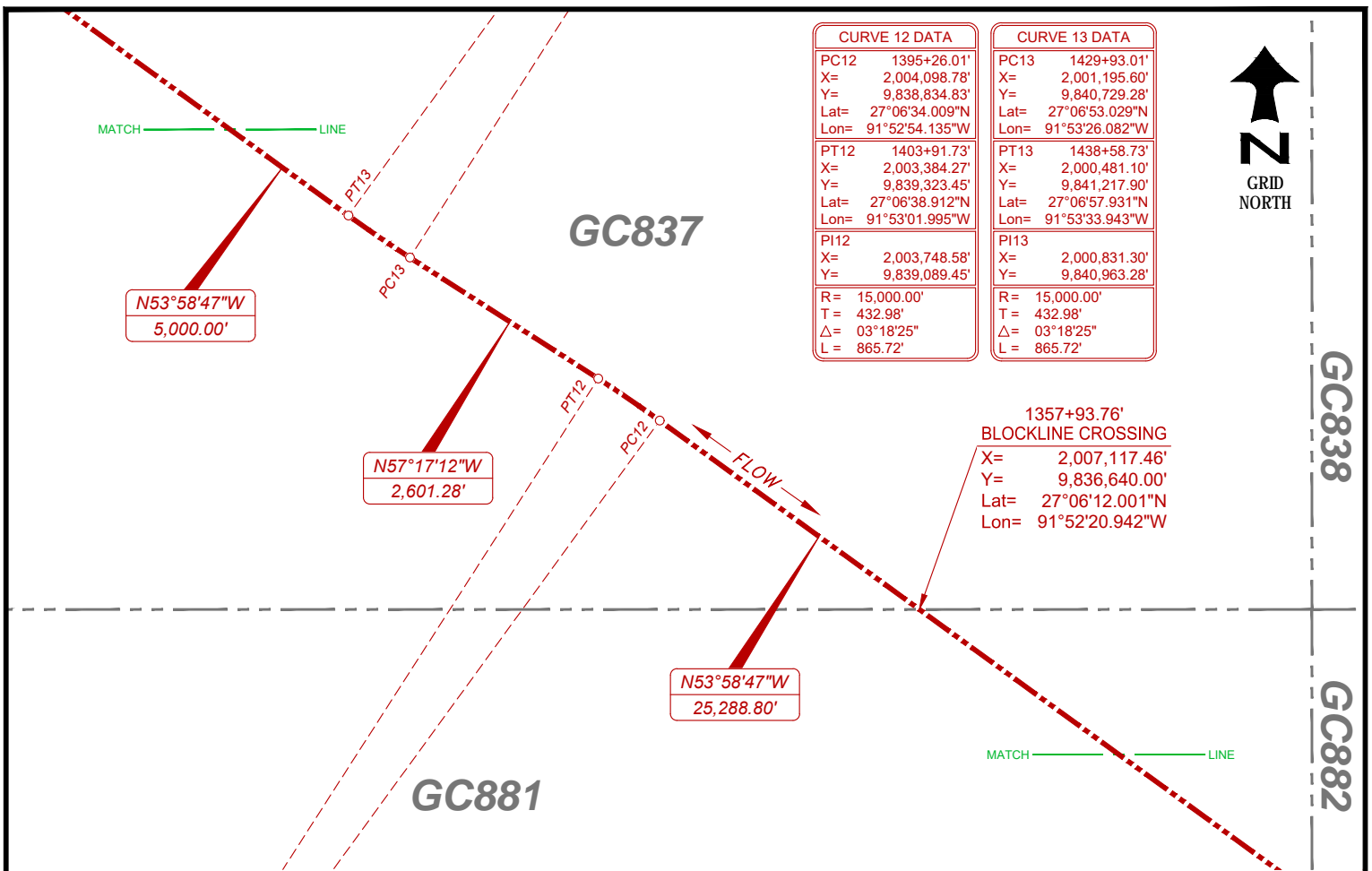
CKD: D. Pierrottie

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-12

**SHEET 12 of 51**

REV.  
**1**

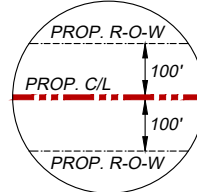


FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

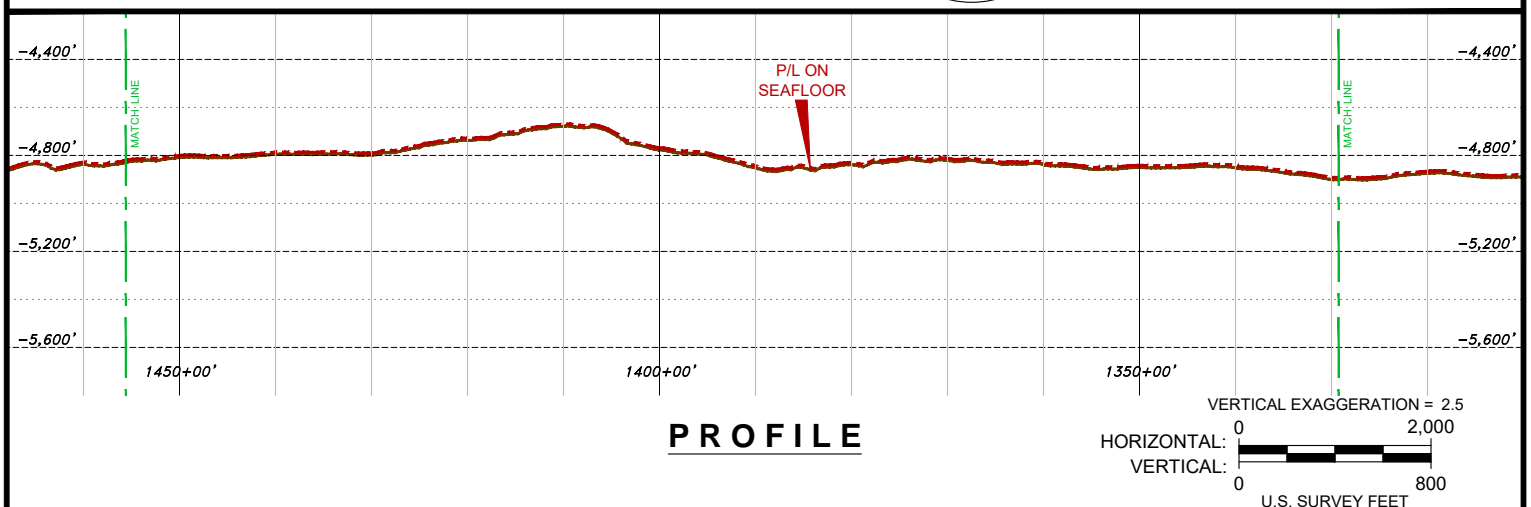


SCALE IN US SURVEY FEET  
NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

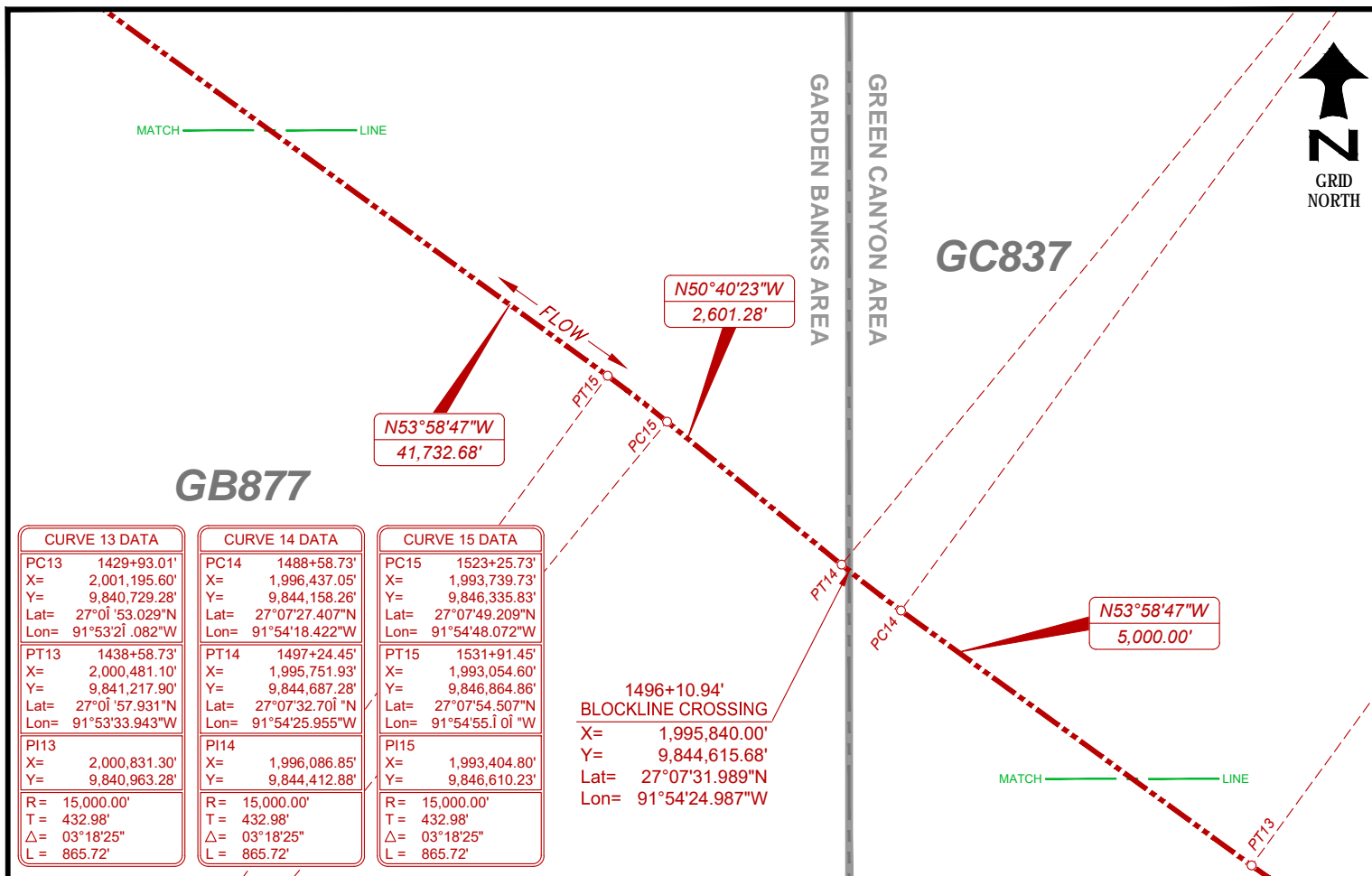
CKD: D. Pierrotte

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-13

**SHEET 13 of 51**

REV.  
**1**

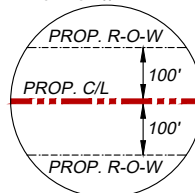


FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

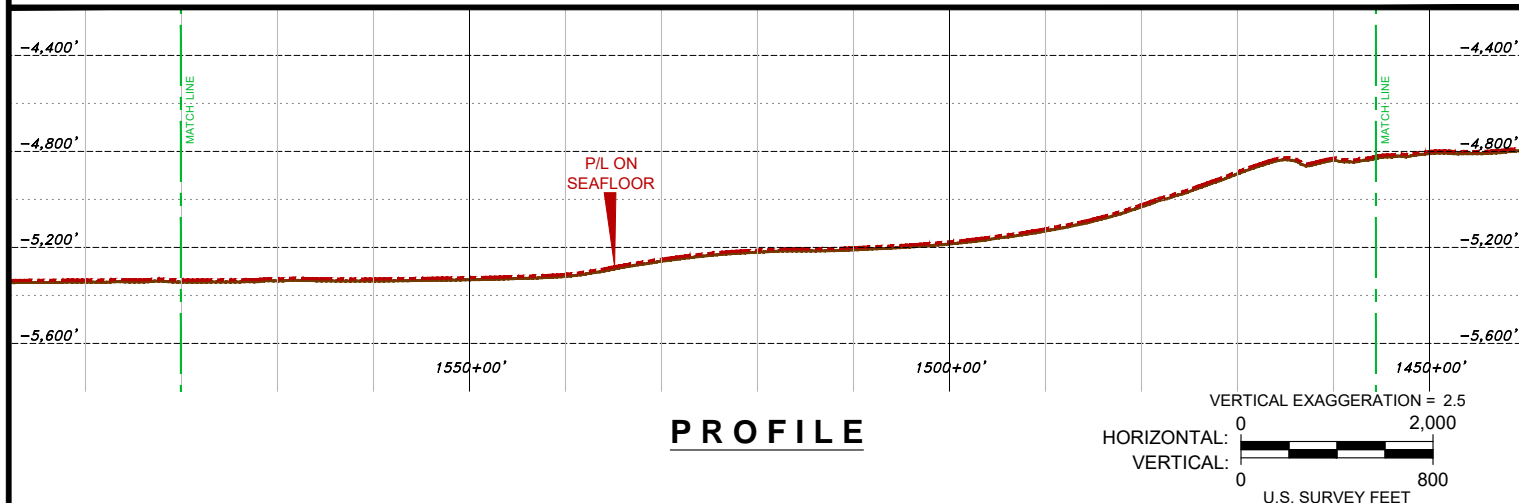


NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

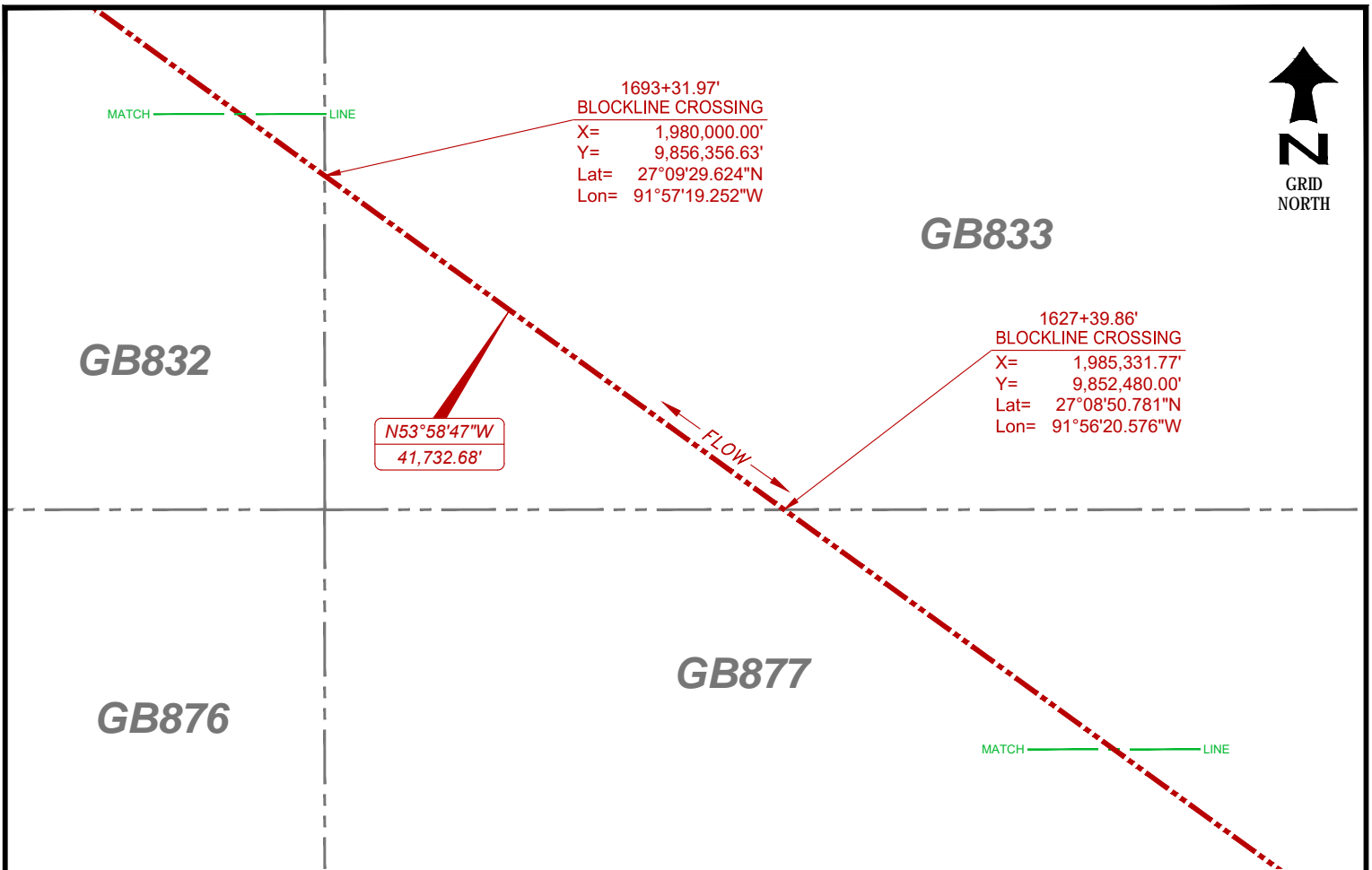
CKD: D. Pierrottie

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-14

**SHEET 14 of 51**

REV.  
**1**

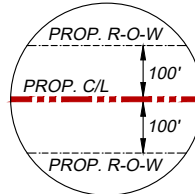


FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

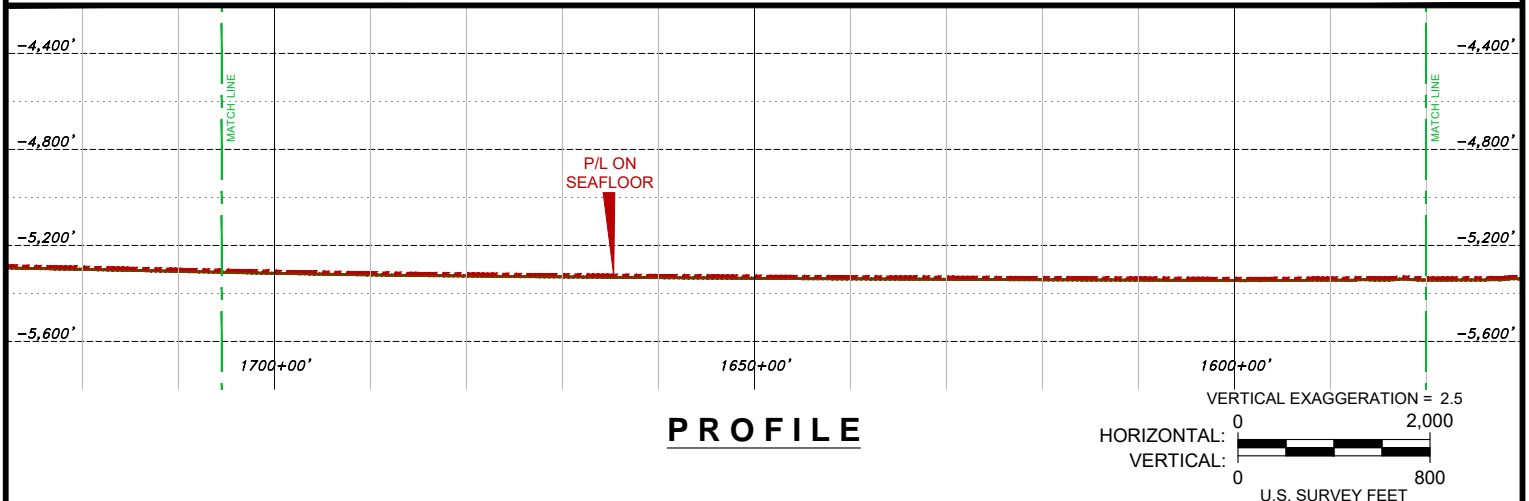


SCALE IN US SURVEY FEET  
NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrotte

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-15

SHEET 15 of 51

REV.  
1



GB833

GB832

1788+72.11'  
S-18606 SE KC PIPELINE 18"  
X= 1,972,283.85'  
Y= 9,861,966.91'  
Lat= 27°10'25.825"N  
Lon= 91°58'44.189"W

N53°58'47"W  
41,732.68'

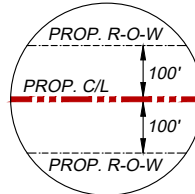
1693+31.97'  
BLOCKLINE CROSSING  
X= 1,980,000.00'  
Y= 9,856,356.63'  
Lat= 27°09'29.624"N  
Lon= 91°57'19.252"W

FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

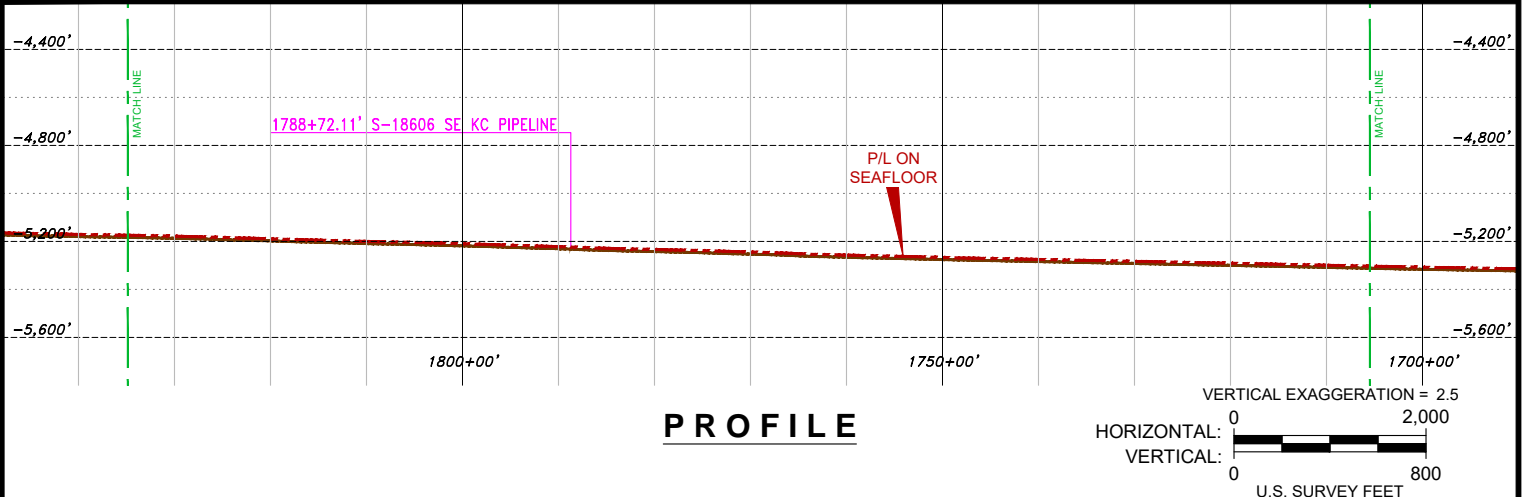


SCALE IN US SURVEY FEET  
NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

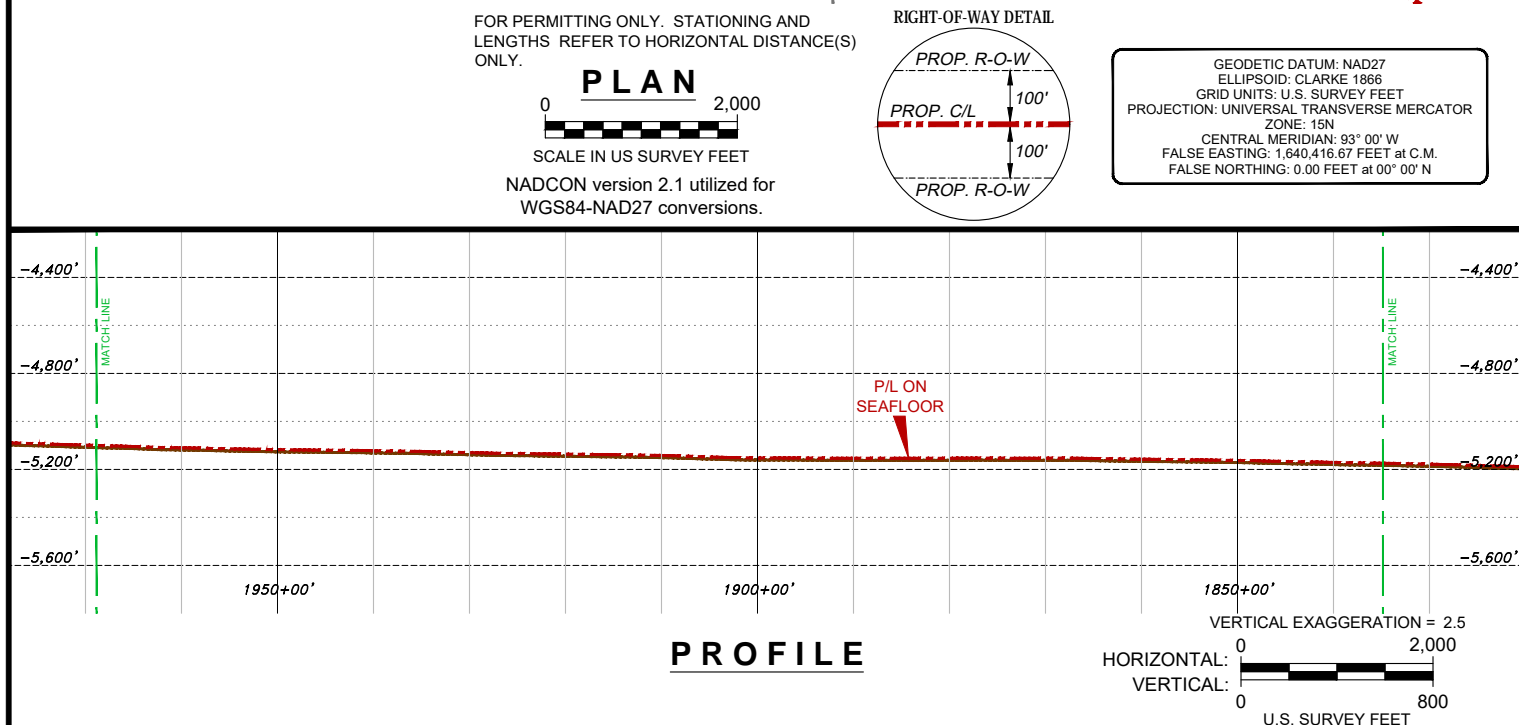
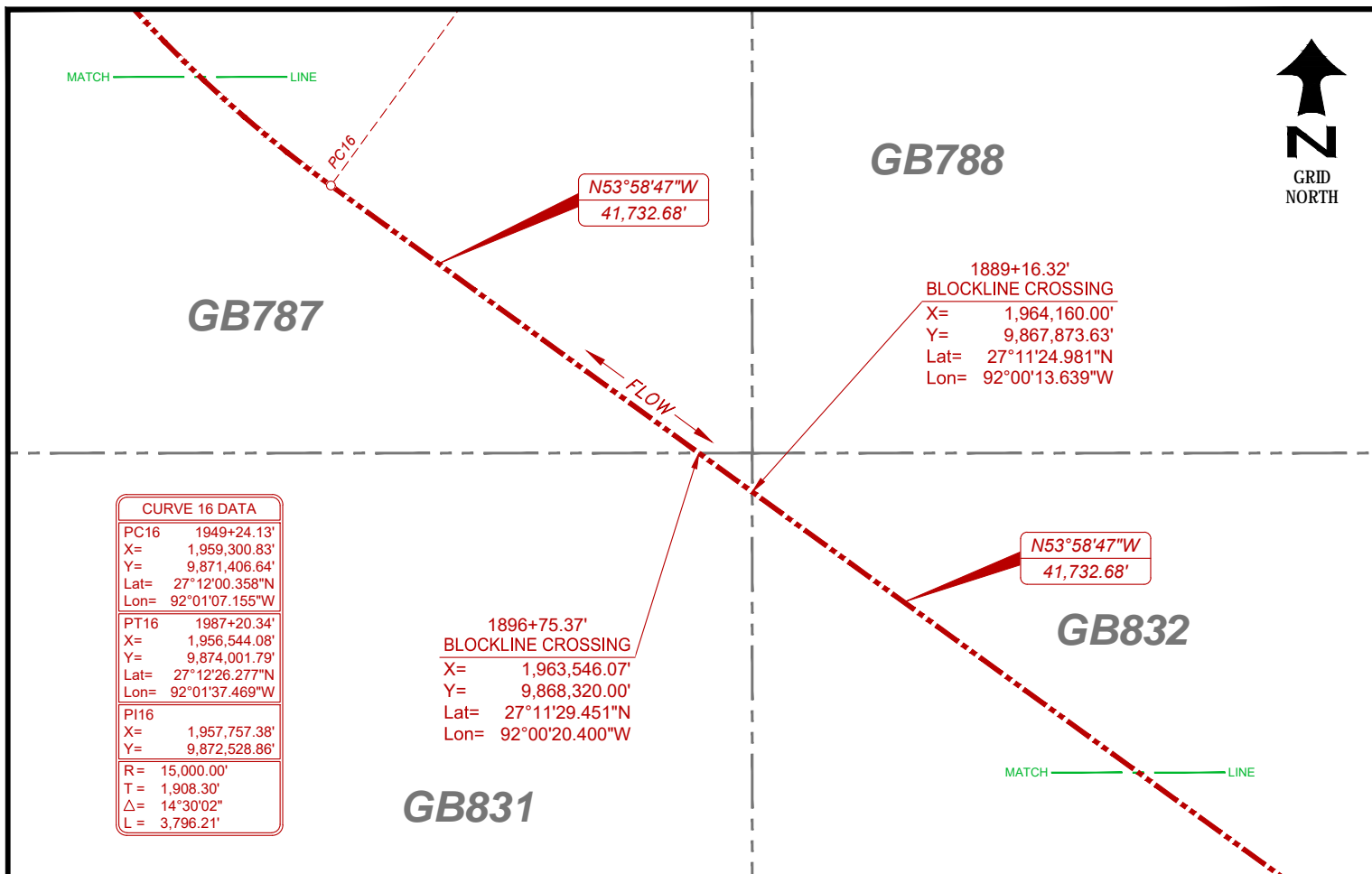
CKD: D. Pierrotte

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-16

SHEET 16 of 51

REV.  
1



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrotte

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-17

**SHEET 17 of 51**

REV.  
**1**







CURVE 17 DATA	
PC17	2170+03.60'
X=	1,944,919.59'
Y=	9,888,113.81'
Lat=	27°14'46.944"N
Lon=	92°03'45.078"W
PT17	2270+07.59'
X=	1,936,539.36'
Y=	9,893,232.04'
Lat=	27°15'38.257"N
Lon=	92°05'17.537"W
PI17	
X=	1,941,615.96'
Y=	9,892,124.39'
R=	15,000.00'
T=	5,196.04'
Δ=	38°12'45"
L=	10,003.99'

N39°28'45"W  
18,283.27'

# GB742

**GB743**

2116+55.37'  
BLOCKLINE CROSSING  
X= 1,948,320.00'  
Y= 9,883,985.75'  
Lat= 27°14'05.799"N  
Lon= 92°03'07.741"W

**GB786**

2118+81.12'  
BLOCKLINE CROSSING  
X= 1,948,176.47'  
Y= 9,884,160.00'  
Lat= 27°14'07.536"N  
Lon= 92°03'09.317"W

**GB787**

FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

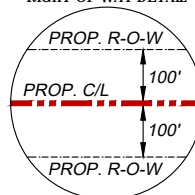
**PLAN**

0 2,000

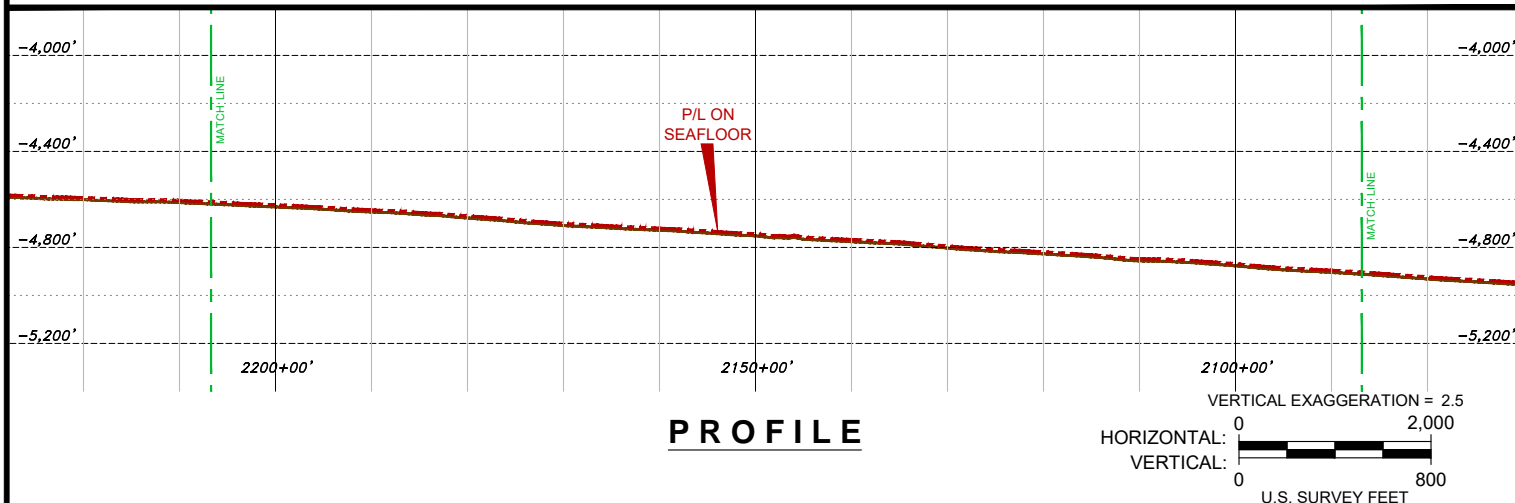
SCALE IN US SURVEY FEET

NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETTIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
ÖÖNVÜÖST ÖÖÖÖÖÖÖÖÖÖÖÖÖÖÖÖ  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
ÖÖÖ



**MANTA RAY GATHERING COMPANY, L.L.C.**

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrottie

APP: R. Frost

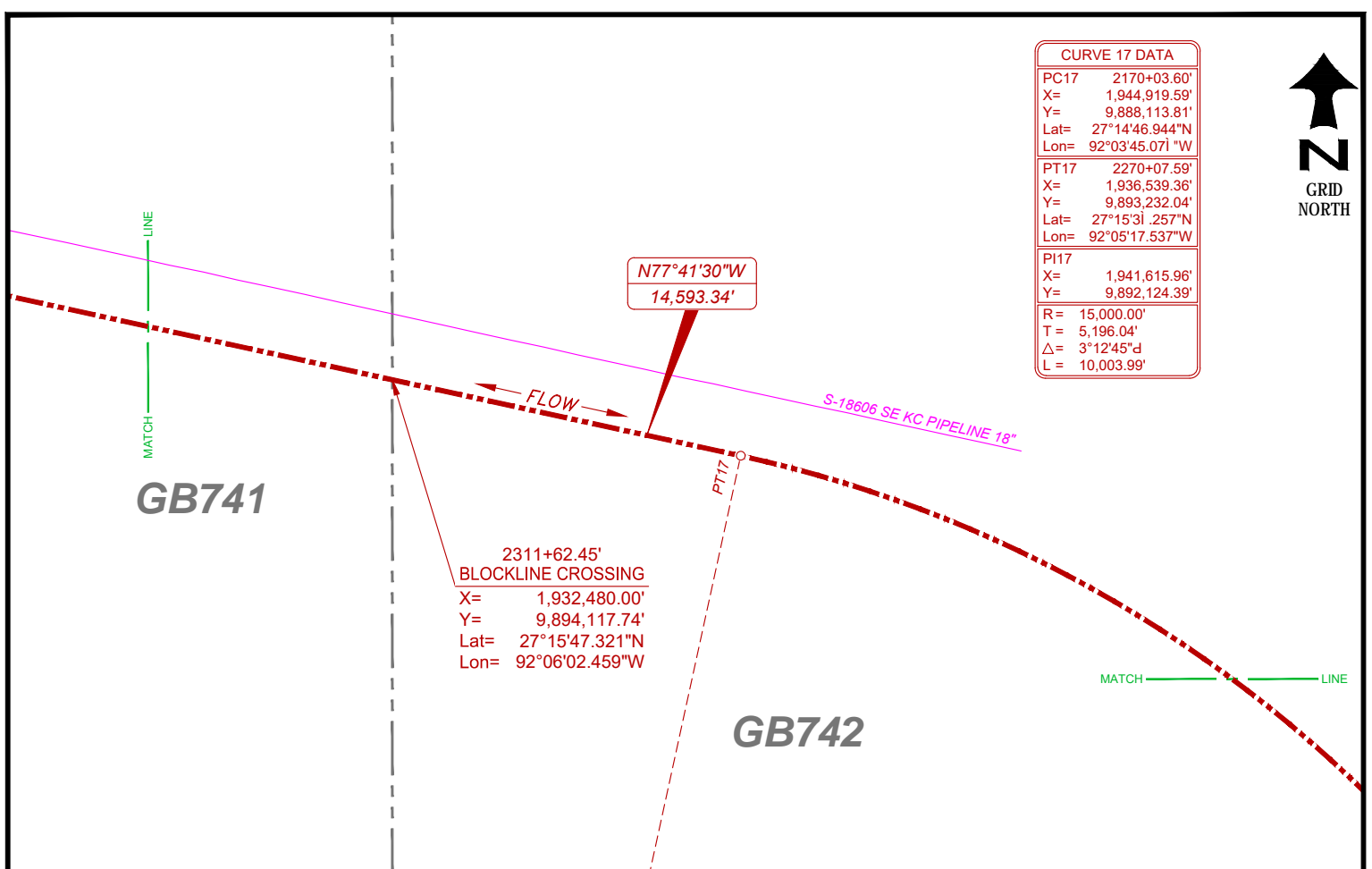
DOC: 216819-OJI-DRW-PRM-001-19

SHEET 19 of 51

REV.  
1



CURVE 17 DATA	
PC17	2170+03.60'
X=	1,944,919.59'
Y=	9,888,113.81'
Lat=	27°14'46.944"N
Lon=	92°03'45.071"W
PT17	2270+07.59'
X=	1,936,539.36'
Y=	9,893,232.04'
Lat=	27°15'31.257"N
Lon=	92°05'17.537"W
PI17	
X=	1,941,615.96'
Y=	9,892,124.39'
R=	15,000.00'
T=	5,196.04'
Δ=	3°12'45"D
L=	10,003.99'

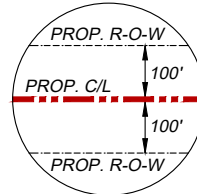


FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

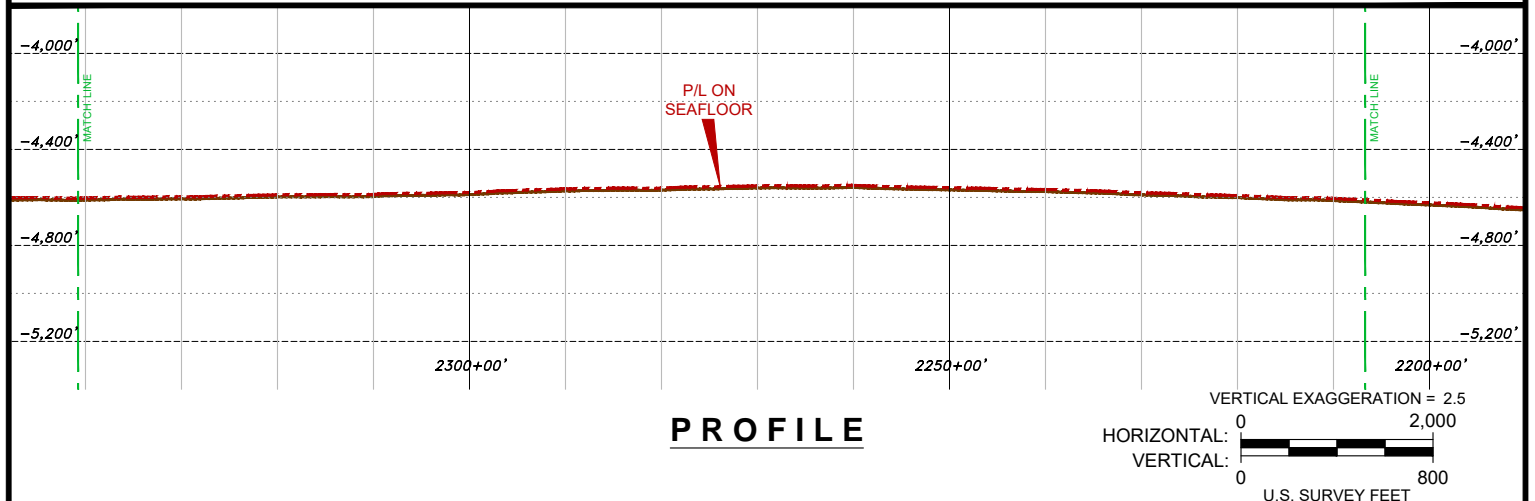


SCALE IN US SURVEY FEET  
NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

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Block 52 Proposed PLET Hub, Walker Ridge Area  
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Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED BY:



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202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

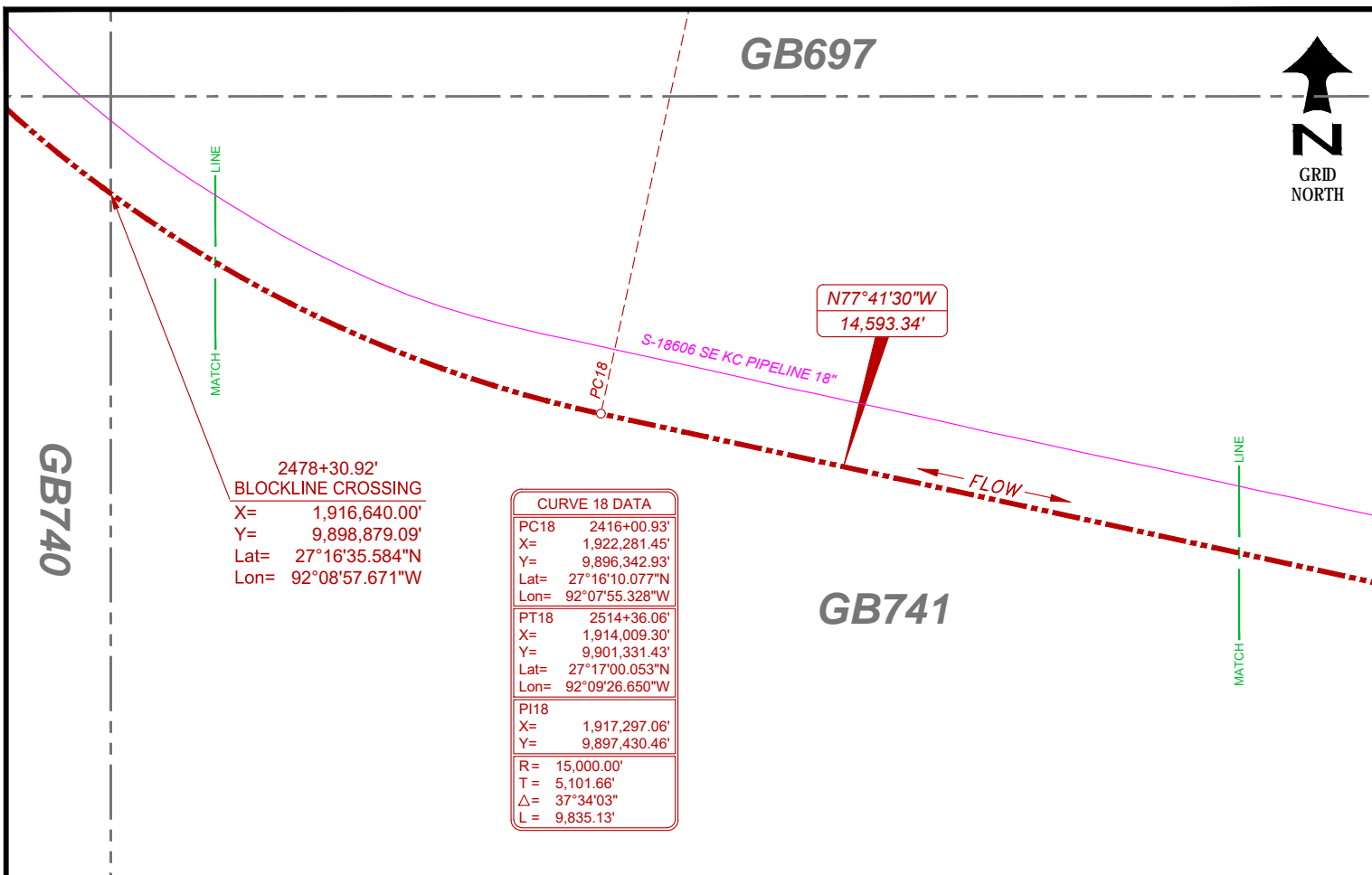
CKD: D. Pierrotte

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-20

**SHEET 20 of 51**

REV.  
**1**

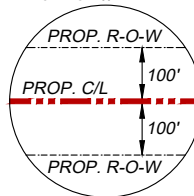


FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

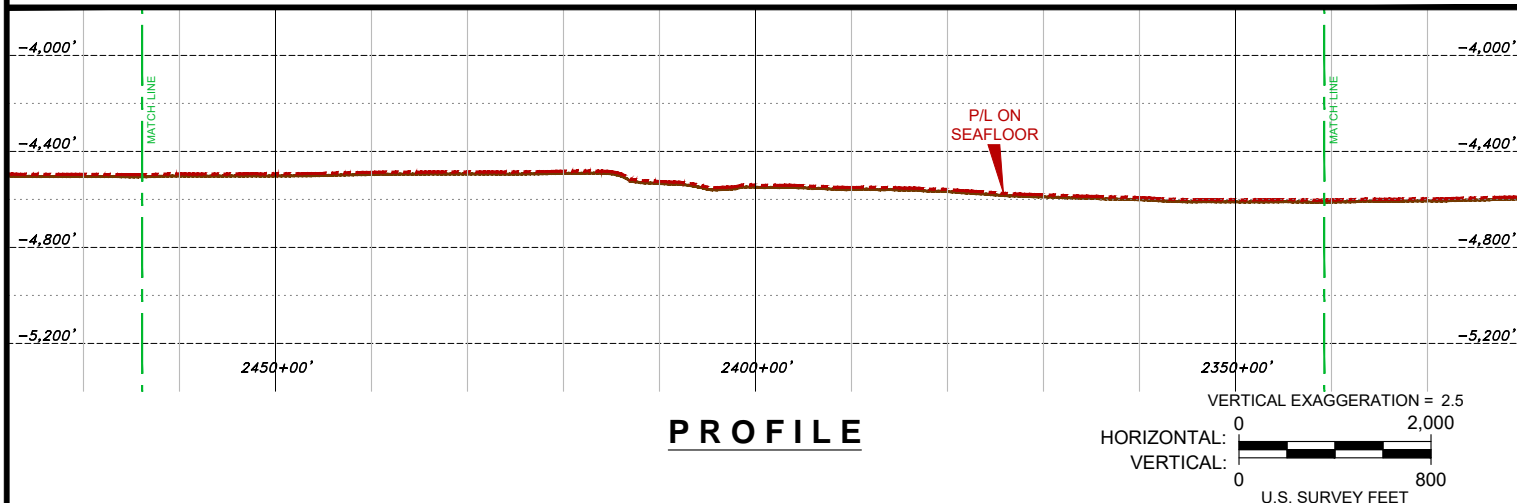


SCALE IN US SURVEY FEET  
NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

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to  
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PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrottie

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-21

**SHEET 21 of 51**

REV.  
**1**

GB696

N40°07'27"W  
36,052.22'

SEE DETAIL B

N40°07'27"W  
2,609.96'

2540+46.01'  
IN-LINE SLED

X= 1,912,327.32'  
Y= 9,903,327.13'  
Lat= 27°17'19.934"N  
Lon= 92°09'45.149"W

2495+95.11'  
BLOCKLINE CROSSING  
X= 1,915,278.99'  
Y= 9,900,000.00'  
Lat= 27°16'46.779"N  
Lon= 92°09'12.674"W

CURVE 18 DATA	
PC18	2416+00.93'
X=	1,922,281.45'
Y=	9,896,342.93'
Lat=	27°16'10.077"N
Lon=	92°07'55.328"W
PT18	2514+36.06'
X=	1,914,009.30'
Y=	9,901,331.43'
Lat=	27°17'00.053"N
Lon=	92°09'26.650"W
PI18	
X=	1,917,297.06'
Y=	9,897,430.46'
R=	15,000.00'
T=	5,101.66'
Δ=	37°34'03"
L=	9,835.13'

GB697

GB741

GB740

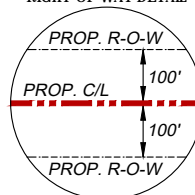
2478+30.92'  
BLOCKLINE CROSSING  
X= 1,916,640.00'  
Y= 9,898,879.09'  
Lat= 27°16'35.584"N  
Lon= 92°08'57.671"W

FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

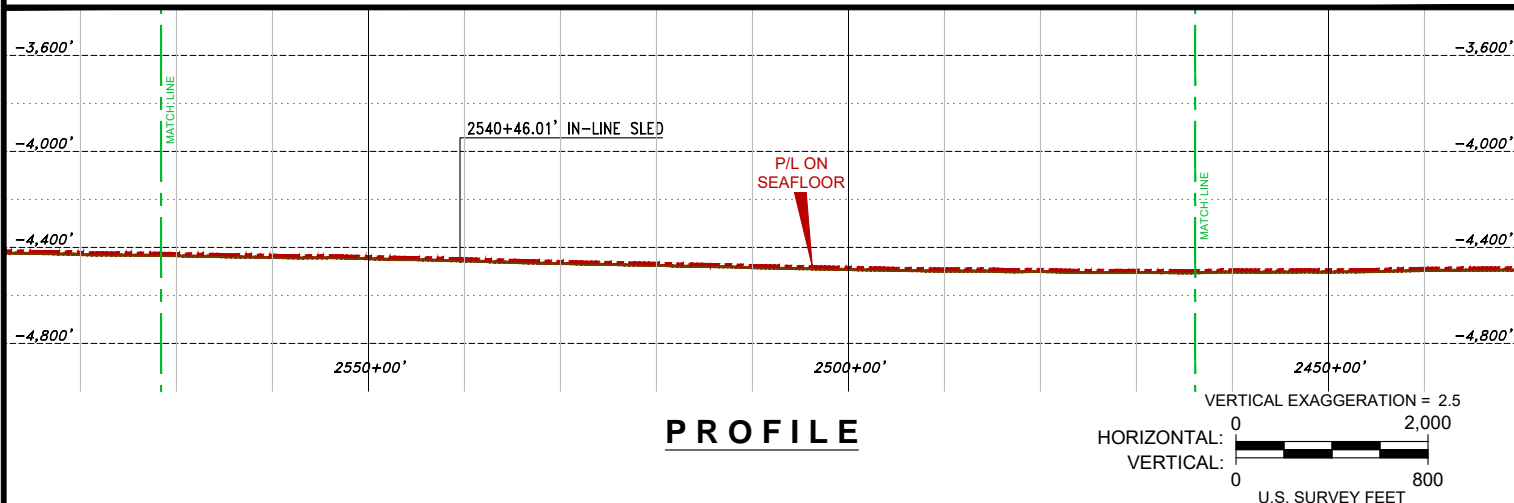


NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrottie

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-22

SHEET 22 of 51

REV.  
1



GB695

GB696

MATCH LINE

N40°07'27"W  
36,052.22'

Flow

MATCH LINE

S-18806 SE KC PIPELINE 18"

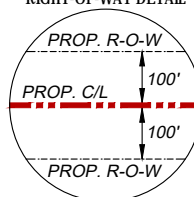
FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.



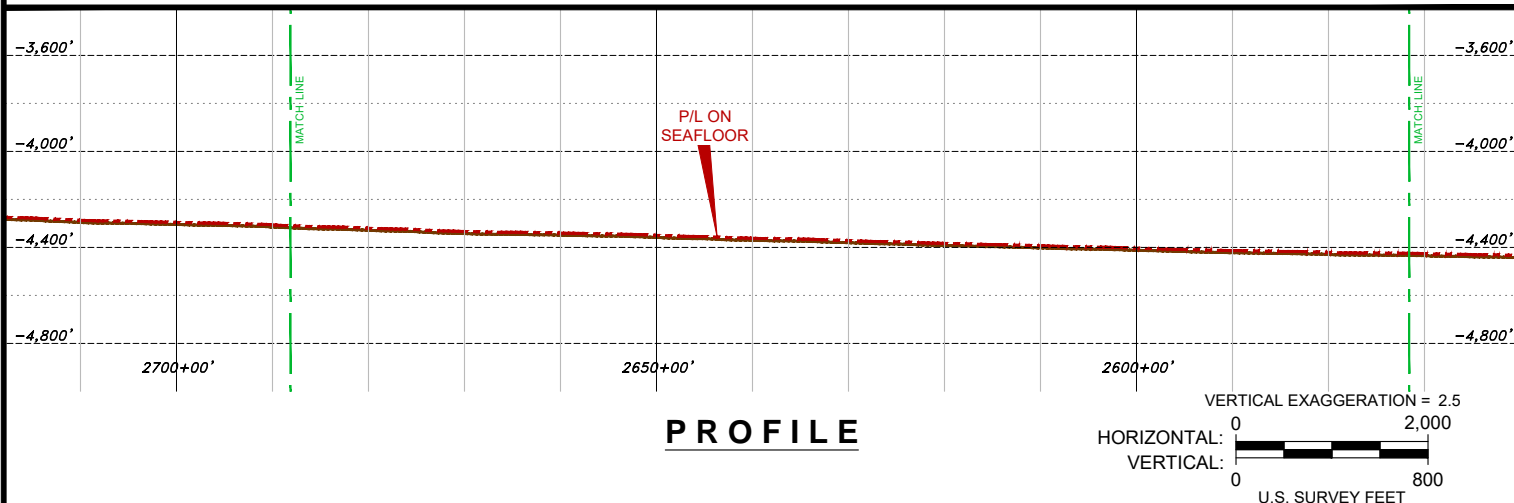
SCALE IN US SURVEY FEET

NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

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Block 52 Proposed PLET Hub, Walker Ridge Area  
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PREPARED BY:



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202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrottie

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-23

**SHEET 23 of 51**

REV.  
**1**





GB651

GB652

GB696

GB695

N40°07'27"W  
36,052.22'

2719+33.14'  
BLOCKLINE CROSSING  
X= 1,900,800.00'  
Y= 9,917,004.50'  
Lat= 27°19'36.170"N  
Lon= 92°11'51.975"W

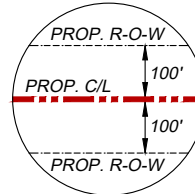
2704+10.22'  
BLOCKLINE CROSSING  
X= 1,901,781.44'  
Y= 9,915,840.00'  
Lat= 27°19'24.572"N  
Lon= 92°11'41.174"W

FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

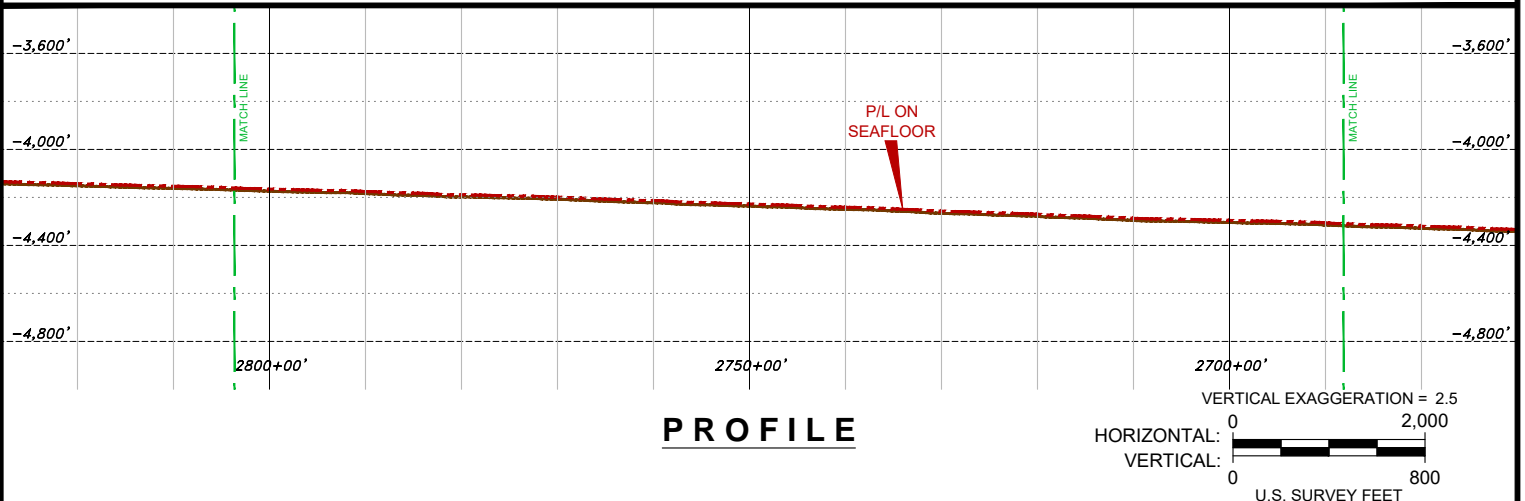


SCALE IN US SURVEY FEET  
NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrotte

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-24

**SHEET 24 of 51**

REV.  
**1**

GB607



2910+98.28'  
BLOCKLINE CROSSING  
X= 1,888,475.03'  
Y= 9,931,680.00'  
Lat= 27°22'02.311"N  
Lon= 92°14'07.669"W

2902+97.02'  
S-14350 SHELL 14"  
X= 1,888,966.45'  
Y= 9,931,047.25'  
Lat= 27°21'56.013"N  
Lon= 92°14'02.260"W

2898+73.07'  
S-14351 ENBRIDGE 16"  
X= 1,889,238.65'  
Y= 9,930,722.23'  
Lat= 27°21'52.777"N  
Lon= 92°13'59.262"W

CURVE 19 DATA	
PC19	2900+98.23'
X=	1,889,093.55'
Y=	9,930,894.40'
Lat=	27°21'54.491"N
Lon=	92°14'00.160"W
PT19	2997+34.79'
X=	1,885,588.38'
Y=	9,939,693.65'
Lat=	27°23'21.161"N
Lon=	92°14'39.156"W
PI19	
X=	1,885,877.02'
Y=	9,934,710.86'
R=	15,000.00'
T=	4,991.14'
Δ=	36°4'32"Δ
L=	9,636.56'

GB651

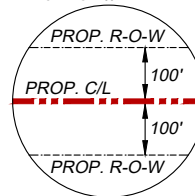
N40°07'27"W  
36,052.22'

FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

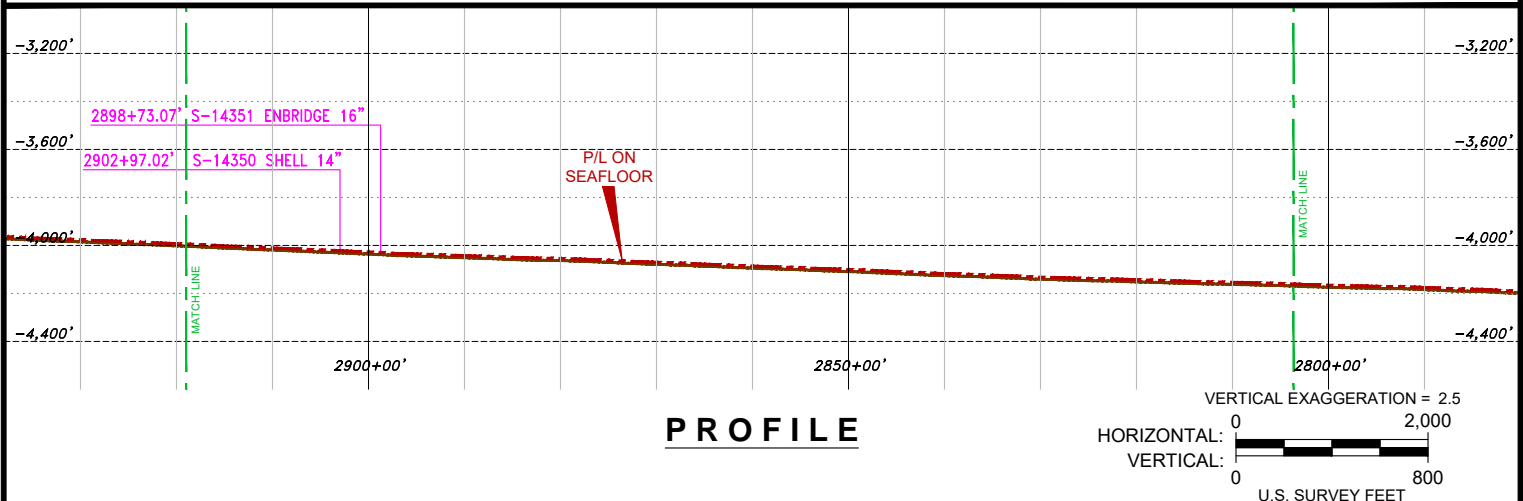


NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrotte

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-25

SHEET 25 of 51

REV.  
1

MATCH LINE

N03°18'55"W  
22,244.46'

PT19



CURVE 19 DATA	
PC19	2900+98.23'
X=	1,889,093.55'
Y=	9,930,894.40'
Lat=	27°21'54.491"N
Lon=	92°14'00.860"W
PT19	2997+34.79'
X=	1,885,588.38'
Y=	9,939,693.65'
Lat=	27°23'21.868"N
Lon=	92°14'39.156"W
PH19	
X=	1,885,877.02'
Y=	9,934,710.86'
R=	15,000.00'
T=	4,991.14'
Δ=	36°48'32"
L=	9,636.56'

GB606

S-14351 ENBRIDGE 16"  
S-14350 SHELL 14"

FLOW

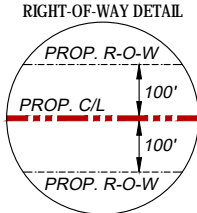
GB607

MATCH LINE

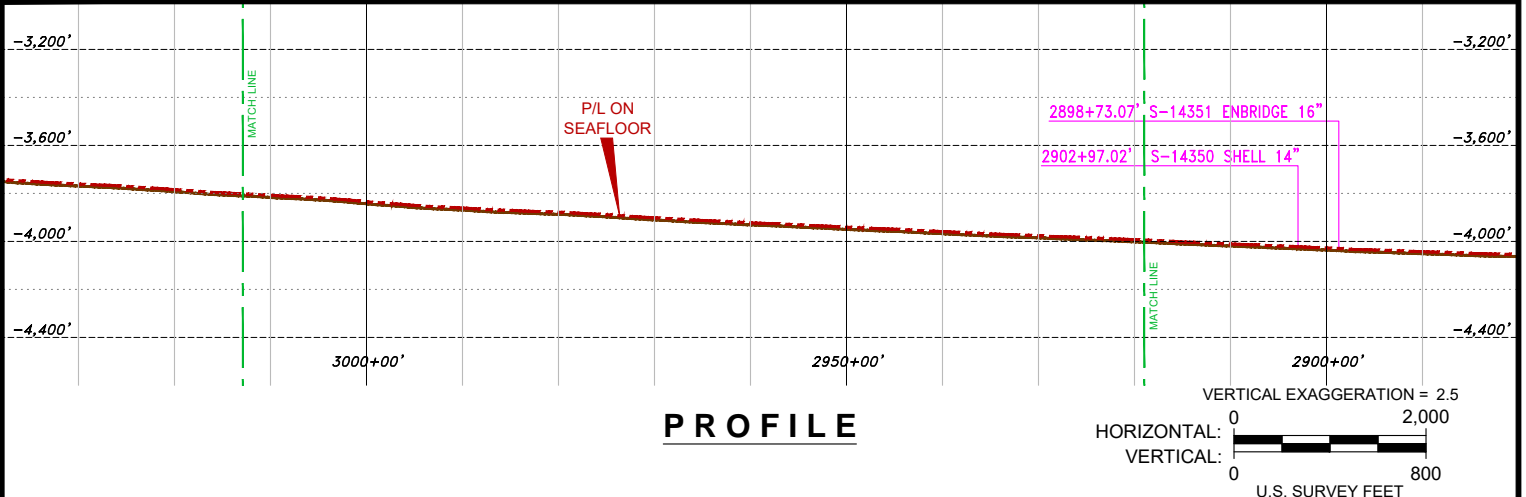
FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.



SCALE IN US SURVEY FEET  
NADCON version 2.1 utilized for WGS84-NAD27 conversions.



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at C.M.



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819	DRW: J. Guidry	DATE: August 12, 2022
CKD: D. Pierrottie	APP: R. Frost	
DOC: 216819-OII-DRW-PRM-001-26		
SHEET 26 of 51		REV. 1

GB562

GB563



3076+01.17'  
BLOCKLINE CROSSING  
X= 1,885,133.46'  
Y= 9,947,546.86'  
Lat= 27°24'39.688"N  
Lon= 92°14'43.676"W

GB606

GB607

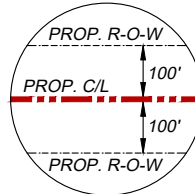
N03°18'55"W  
22,244.46'

FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.



NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrottie

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-27

SHEET 27 of 51

REV.  
1

GB562

GB563



N03°18'55"W  
22,244.46'

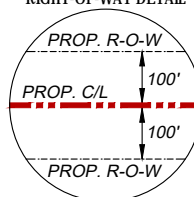
3106+00.50'  
BLOCKLINE CROSSING  
X= 1,884,960.00'  
Y= 9,950,541.17'  
Lat= 27°25'09.360"N  
Lon= 92°14'45.400"W

FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

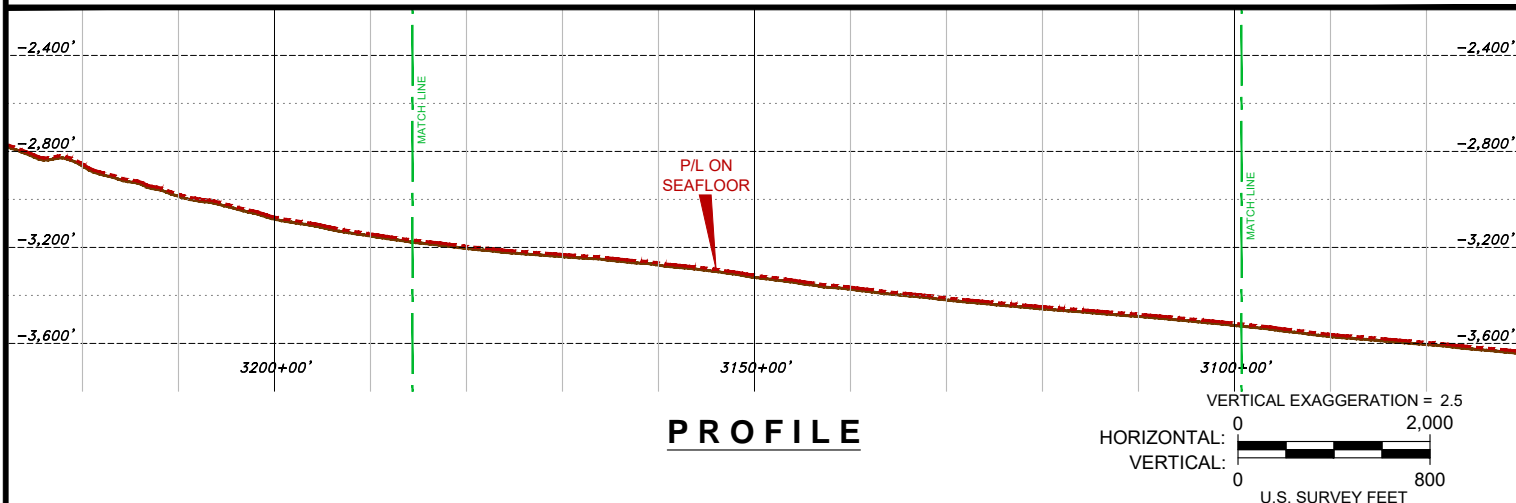


SCALE IN US SURVEY FEET  
NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrottie

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-28

**SHEET 28 of 51**

REV.  
**1**

CURVE 20 DATA	
PC20	3219+79.24'
X=	1,884,301.95'
Y=	9,961,900.87'
Lat=	27°27'01.927"N
Lon=	92°14'51.941"W
PT20	3310+70.77'
X=	1,886,475.18'
Y=	9,970,586.11'
Lat=	27°28'27.830"N
Lon=	92°14'27.223"W
PI20	
X=	1,884,030.71'
Y=	9,966,583.26'
R=	15,000.00'
T=	4,690.23'
Δ=	34°43'37"
L=	9,091.53'

3273+91.66'  
BLOCKLINE CROSSING  
X= 1,884,960.00'  
Y= 9,967,243.60'  
Lat= 27°27'54.811"N  
Lon= 92°14'44.275"W

3234+39.01'  
BLOCKLINE CROSSING  
X= 1,884,288.52'  
Y= 9,963,360.00'  
Lat= 27°27'16.381"N  
Lon= 92°14'51.992"W

N03°18'55"W  
22,244.46'

GB519



GB562

GB563

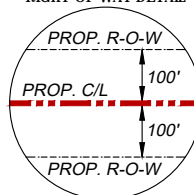
FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

**PLAN**  
0 2,000

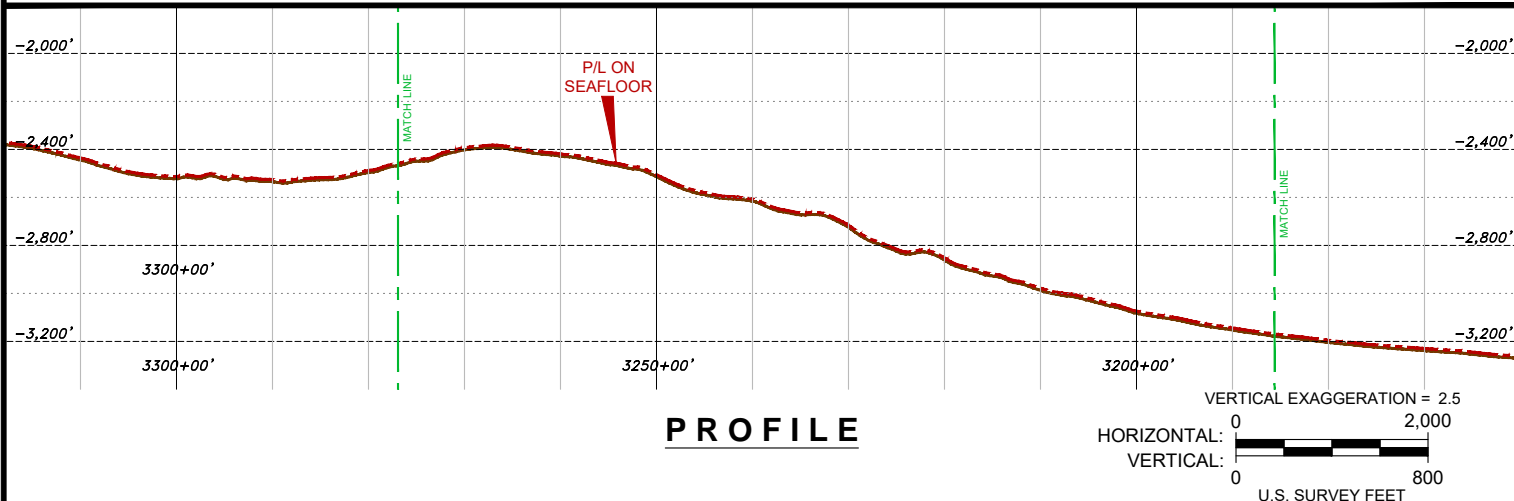
SCALE IN US SURVEY FEET

NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrottie

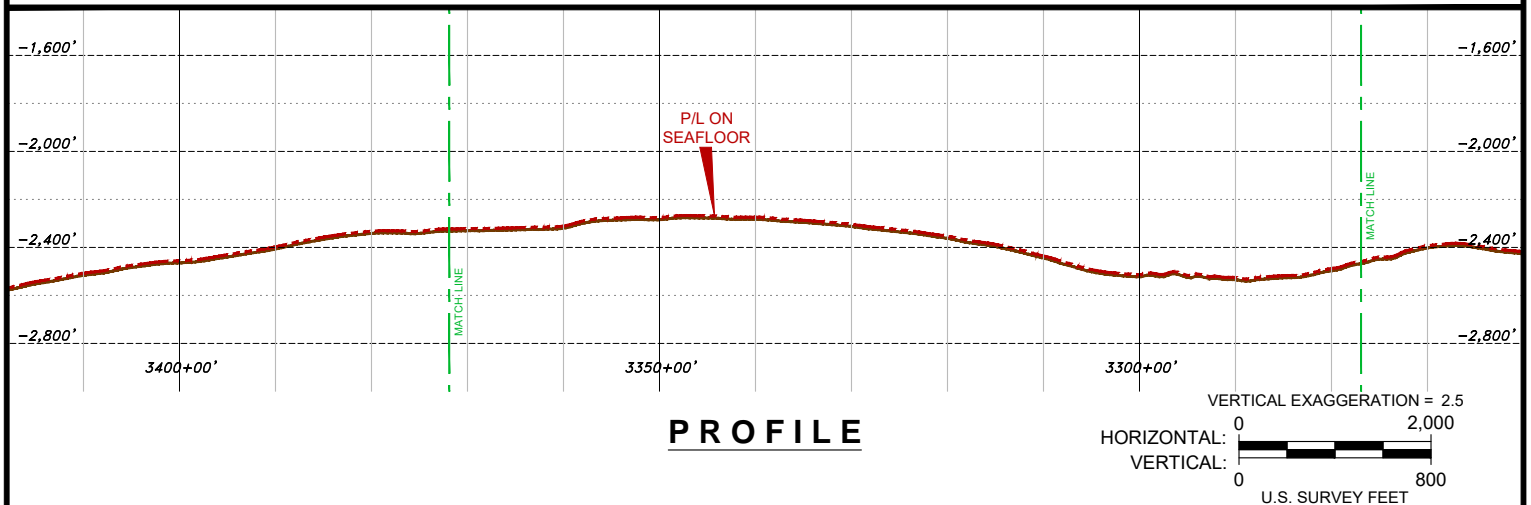
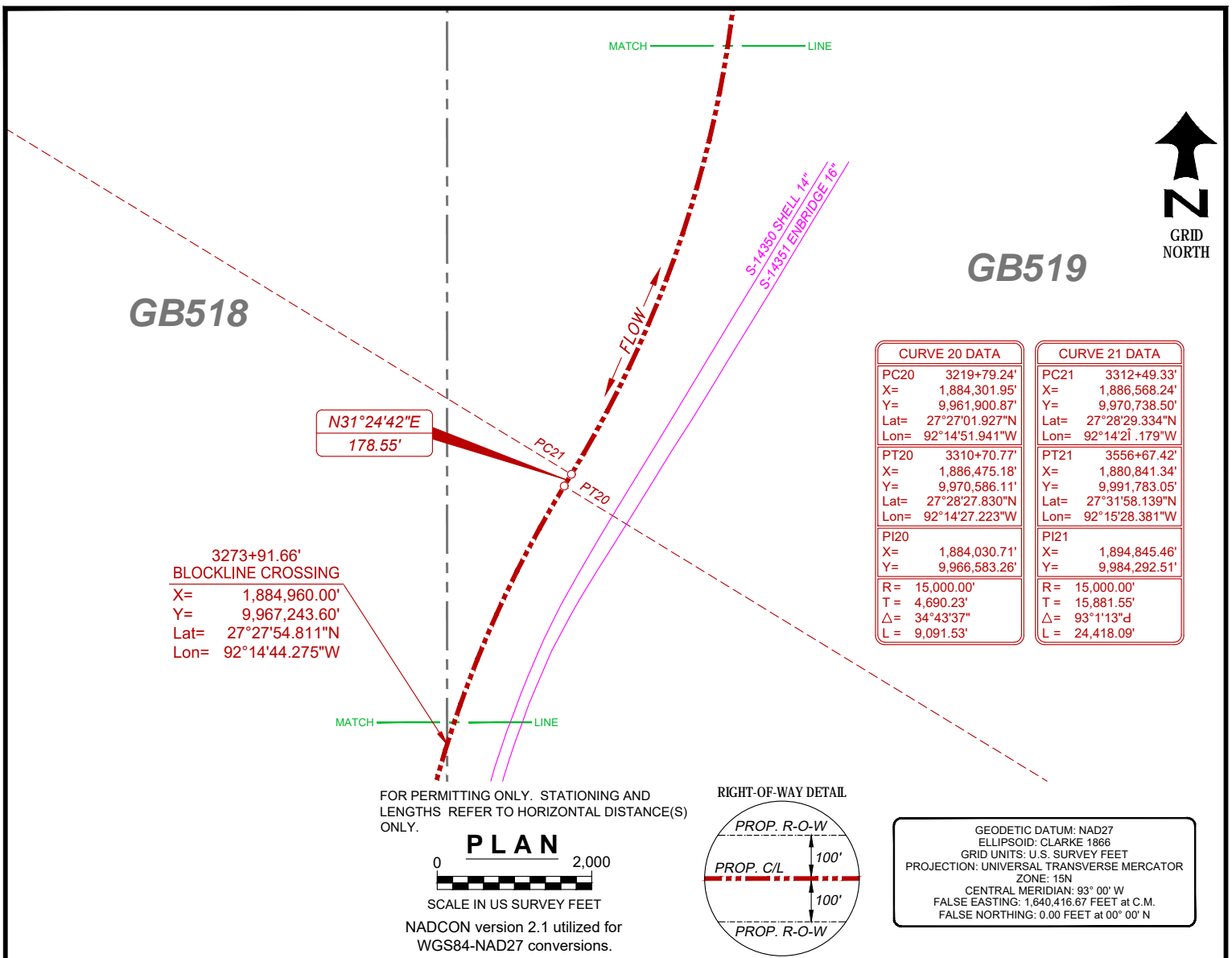
APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-29

**SHEET 29 of 51**

REV.  
**1**





MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrotte

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-30

**SHEET 30 of 51**

REV.  
**1**



CURVE 21 DATA	
PC21	3312+49.33'
X=	1,886,568.24'
Y=	9,970,738.50'
Lat=	27°28'29.334"N
Lon=	92°14'21.179"W
PT21	3556+67.42'
X=	1,880,841.34'
Y=	9,991,783.05'
Lat=	27°31'58.139"N
Lon=	92°15'28.381"W
PI21	
X=	1,894,845.46'
Y=	9,984,292.51'
R=	15,000.00'
T=	15,881.55'
Δ=	93°1'13"d
L=	24,418.09'

GB474

GB475

3401+16.83'  
BLOCKLINE CROSSING  
X= 1,888,752.76'  
Y= 9,979,200.00'  
Lat= 27°29'53.018"N  
Lon= 92°14'01.339"W

GB518

GB519

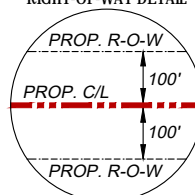
FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.



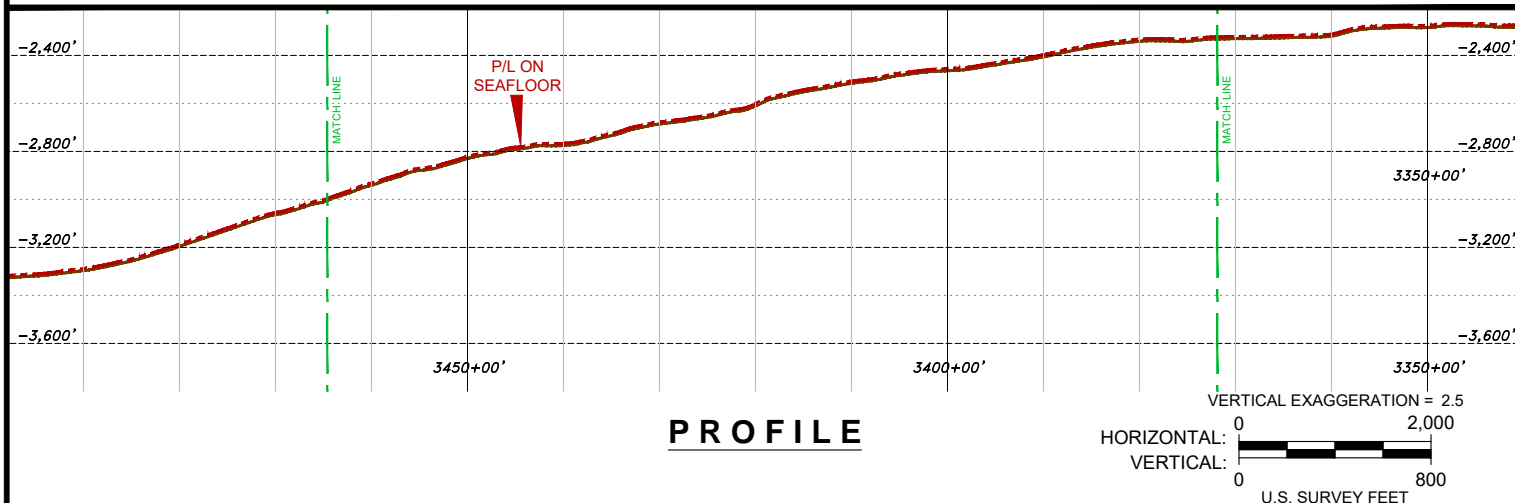
SCALE IN US SURVEY FEET

NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrottie

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-31

SHEET 31 of 51

REV.  
1



MATCH LINE

N61°51'31"W  
19,604.67'

PT21

GB474

GB475

FLOW

3503+99.18'  
BLOCKLINE CROSSING  
X= 1,884,960.00'  
Y= 9,988,541.62'  
Lat= 27°31'25.784"N  
Lon= 92°14'42.837"W

CURVE 21 DATA	
PC21	3312+49.33'
X=	1,886,568.24'
Y=	9,970,738.50'
Lat=	27°28'29.334"N
Lon=	92°14'26.179"W
PT21	3556+67.42'
X=	1,880,841.34'
Y=	9,991,783.05'
Lat=	27°31'58.139"N
Lon=	92°15'28.381"W
PI21	
X=	1,894,845.46'
Y=	9,984,292.51'
R=	15,000.00'
T=	15,881.55'
Δ=	93°16'13"
L=	24,418.09'

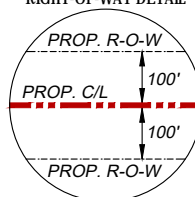
FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.



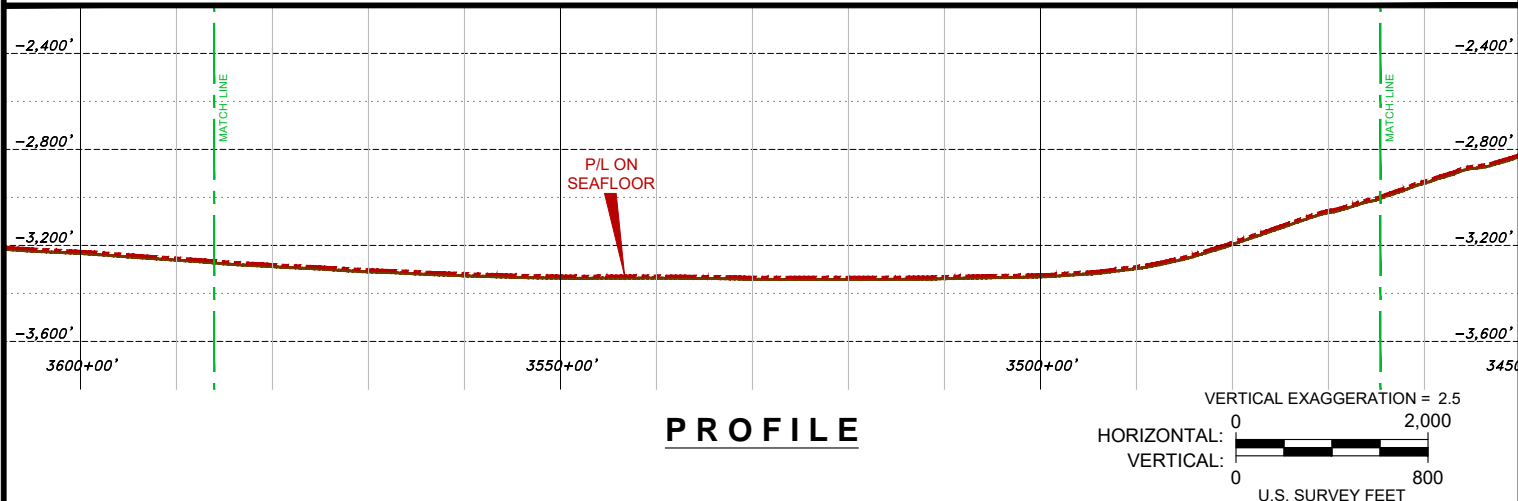
SCALE IN US SURVEY FEET

NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrotte

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-32

**SHEET 32 of 51**

REV.  
**1**



GB429

GB473

GB430

GB474

3689+60.15'  
BLOCKLINE CROSSING  
X= 1,869,120.00'  
Y= 9,998,052.57'  
Lat= 27°33'00.922"N  
Lon= 92°17'38.224"W

N61°51'31"W  
19,604.67'

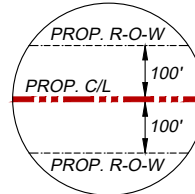
3625+72.86'  
BLOCKLINE CROSSING  
X= 1,874,752.22'  
Y= 9,995,040.00'  
Lat= 27°32'30.758"N  
Lon= 92°16'35.828"W

FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

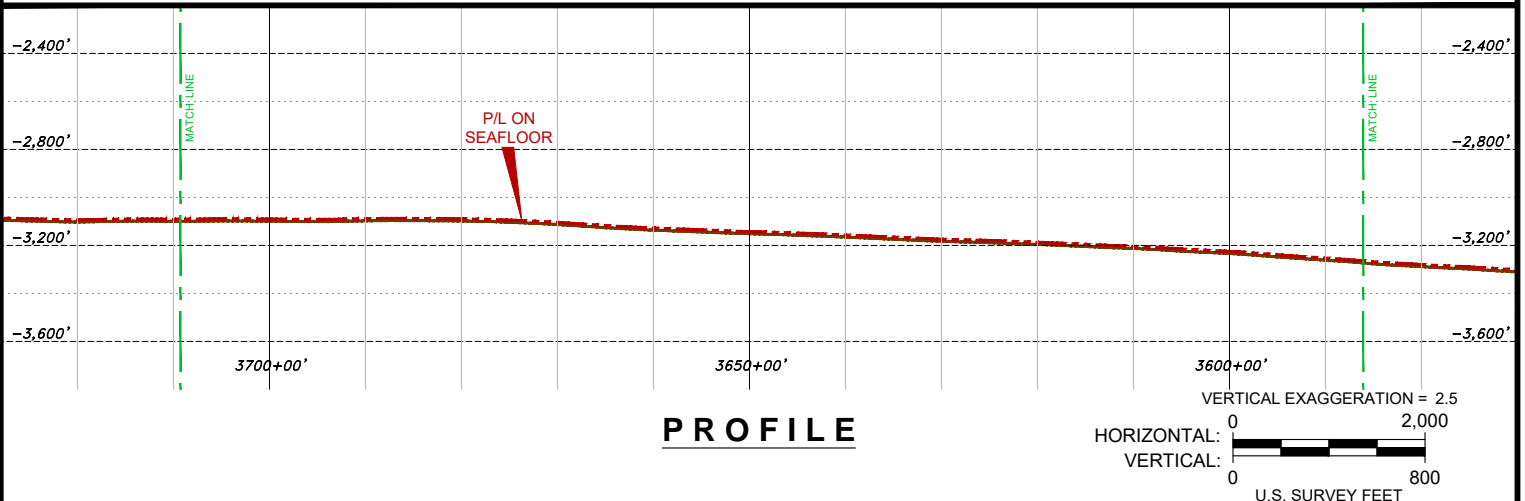


SCALE IN US SURVEY FEET  
NADCON version 2.1 utilized for  
WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrotte

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-33

**SHEET 33 of 51**

REV.  
**1**

MATCH ——— LINE



GB430

GB429

CURVE 22 DATA	
PC22	3752+72.09'
X=	1,863,554.22'
Y=	10,001,029.60'
Lat=	27°33'30.722"N
Lon=	92°18'39.894"W
PT22	3847+69.79'
X=	1,857,583.70'
Y=	10,008,121.99'
Lat=	27°34'41.303"N
Lon=	92°19'45.824"W
PI22	
X=	1,859,152.94'
Y=	10,003,383.76'
R=	12,500.00'
T=	4,991.33'
Δ=	43°32'03"
L=	9,497.70'

3689+60.15'  
BLOCKLINE CROSSING  
X= 1,869,120.00'  
Y= 9,998,052.57'  
Lat= 27°33'00.922"N  
Lon= 92°17'38.224"W

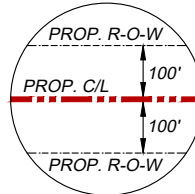
N61°51'31"W  
19,604.67'

FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

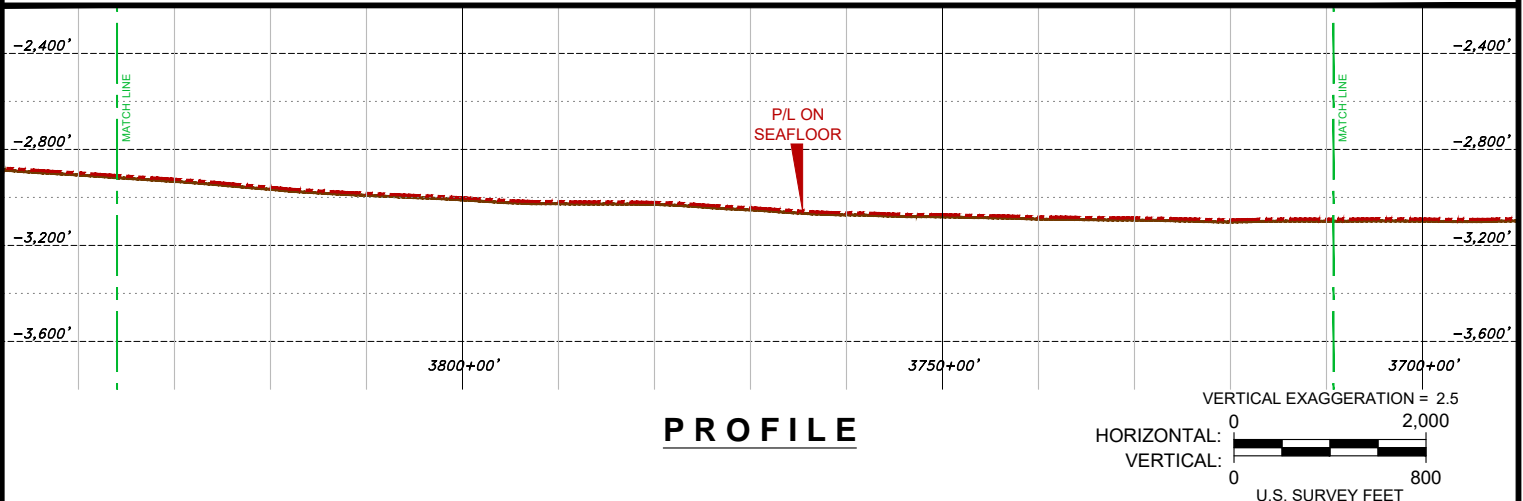


SCALE IN US SURVEY FEET  
NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrotte

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-34

**SHEET 34 of 51**

REV.  
**1**



**GB384**

3908+43.66' SHELL  
S-14323 8" & S-14324 12" Casing  
X= 1,855,674.11'  
Y= 10,013,887.86'  
Lat= 27°35'38.521"N  
Lon= 92°20'06.706"W

**GB385**  
OCS-G-17358  
SHELL

S-14323 SHELL 8"  
S-14324 SHELL 12" Casing

S-14325 SHELL 8"  
S-14326 SHELL 12" Casing

N18°19'27"W  
19,099.83'

3876+75.13'  
BLOCKLINE CROSSING  
X= 1,856,670.28'  
Y= 10,010,880.00'  
Lat= 27°35'08.672"N  
Lon= 92°19'55.812"W

3901+85.15' SHELL  
S-14325 8" & S-14326 12" Casing  
X= 1,855,881.14'  
Y= 10,013,262.75'  
Lat= 27°35'32.317"N  
Lon= 92°20'04.442"W

3860+30.98'  
S-14327 SHELL 5" Umb.  
X= 1,857,187.19'  
Y= 10,009,319.22'  
Lat= 27°34'53.184"N  
Lon= 92°19'50.159"W

**GB428**

**GB429**

CURVE 22 DATA	
PC22	3752+72.09'
X=	1,863,554.22'
Y=	10,001,029.60'
Lat=	27°33'30.722"N
Lon=	92°18'39.894"W
PT22	3847+69.79'
X=	1,857,583.70'
Y=	10,008,121.99'
Lat=	27°34'41.303"N
Lon=	92°19'45.824"W
PI22	
X=	1,859,152.94'
Y=	10,003,383.76'
R=	12,500.00'
T=	4,991.33'
Δ=	43°32'03"
L=	9,497.70'

FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

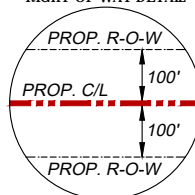
**PLAN**



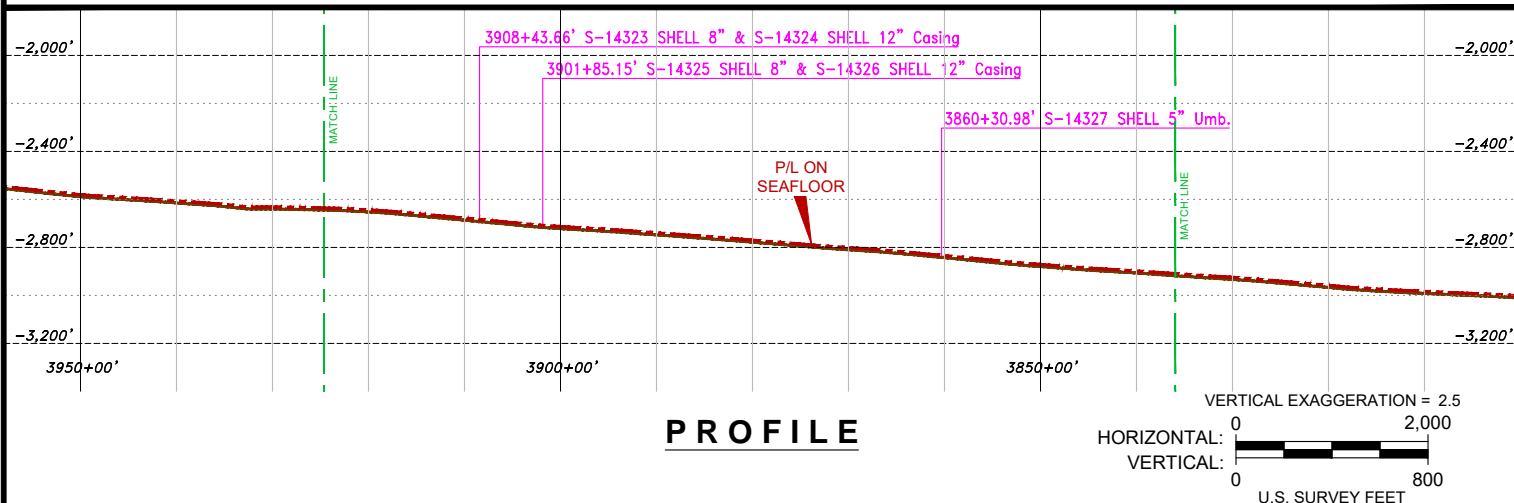
SCALE IN US SURVEY FEET

NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrotte

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-35

**SHEET 35 of 51**

REV.  
**1**



GB384

3984+58.65'  
BLOCKLINE CROSSING  
X= 1,853,280.00'  
Y= 10,021,116.72'  
Lat= 27°36'50.255"N  
Lon= 92°20'32.896"W

3983+41.88'  
S-14170 SHELL 5" Umb.  
X= 1,853,316.71'  
Y= 10,021,005.87'  
Lat= 27°36'49.155"N  
Lon= 92°20'32.494"W

GB385  
OCS-G-17358  
SHELL

N18°19'27"W  
19,099.83'

S-14170 SHELL 5" Umb.

MATCH LINE

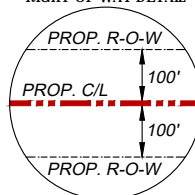
FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

PLAN  
0 2,000

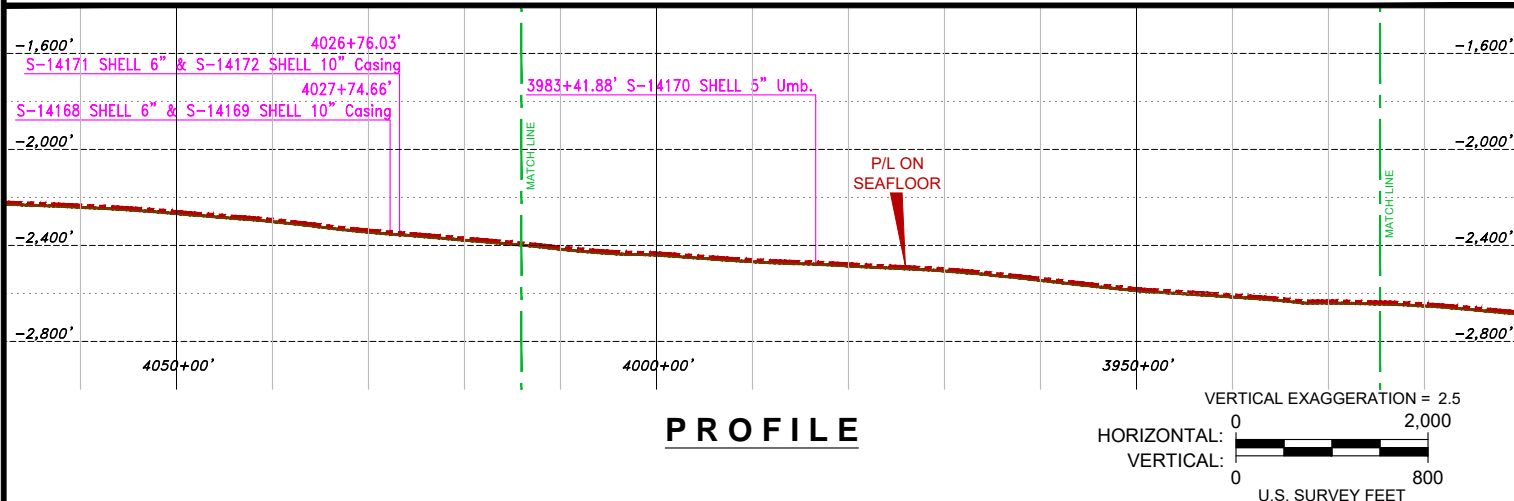
SCALE IN US SURVEY FEET

NADCON version 2.1 utilized for  
WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrotte

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-36

SHEET 36 of 51

REV.  
1







4156+78.65'  
S-9344 SHELL 12"  
X= 1,852,373.95'  
Y= 10,037,845.19'  
Lat= 27°39'36.011"N  
Lon= 92°20'41.984"W

4146+57.88'  
S-11229 SHELL 12"  
X= 1,852,146.48'  
Y= 10,036,850.07'  
Lat= 27°39'26.165"N  
Lon= 92°20'44.574"W

4118+48.24'  
S-10915 SHELL 14"  
X= 1,851,520.40'  
Y= 10,034,111.08'  
Lat= 27°38'59.066"N  
Lon= 92°20'51.699"W

CURVE 23 DATA	
PC23	4038+69.63'
X=	1,851,578.82'
Y=	10,026,253.32'
Lat=	27°37'41.226"N
Lon=	92°20'51.511"W
PT23	4106+76.35'
X=	1,851,259.27'
Y=	10,032,968.65'
Lat=	27°38'47.763"N
Lon=	92°20'54.671"W
PI23	
X=	1,850,481.58'
Y=	10,029,566.37'
R=	12,500.00'
T=	3,490.03'
Δ=	31°11'59"
L=	6,806.72'

GB340

GB341  
OCS-G-15879  
SHELL

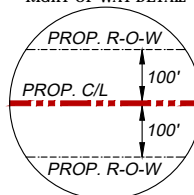
N12°52'32"E  
40,645.27'

FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

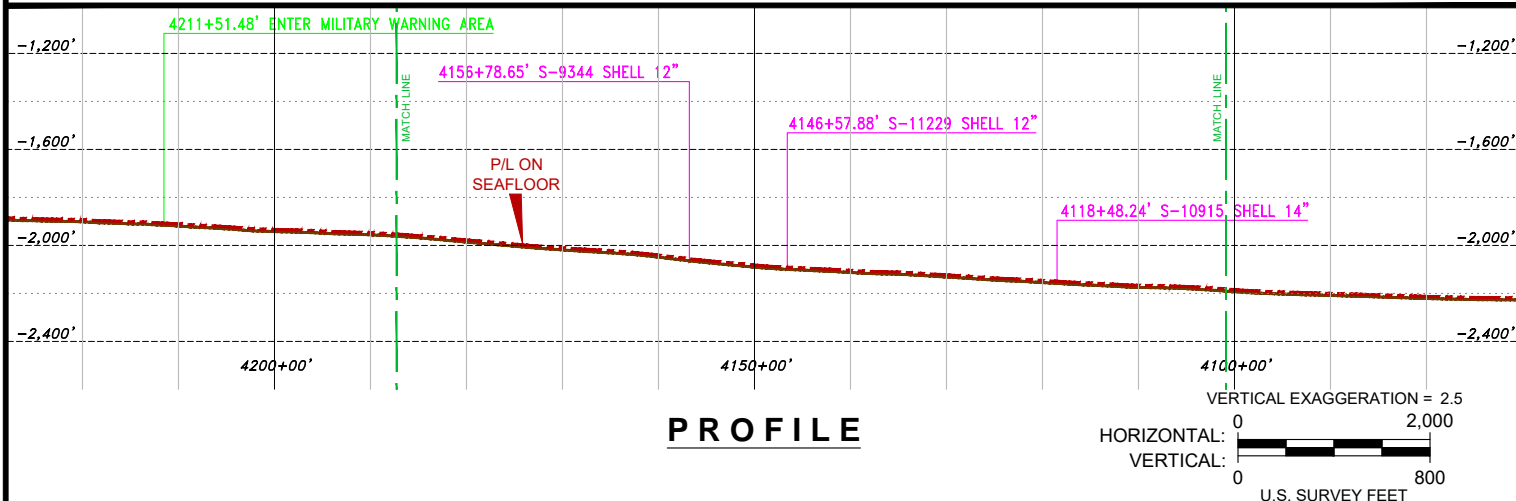


NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

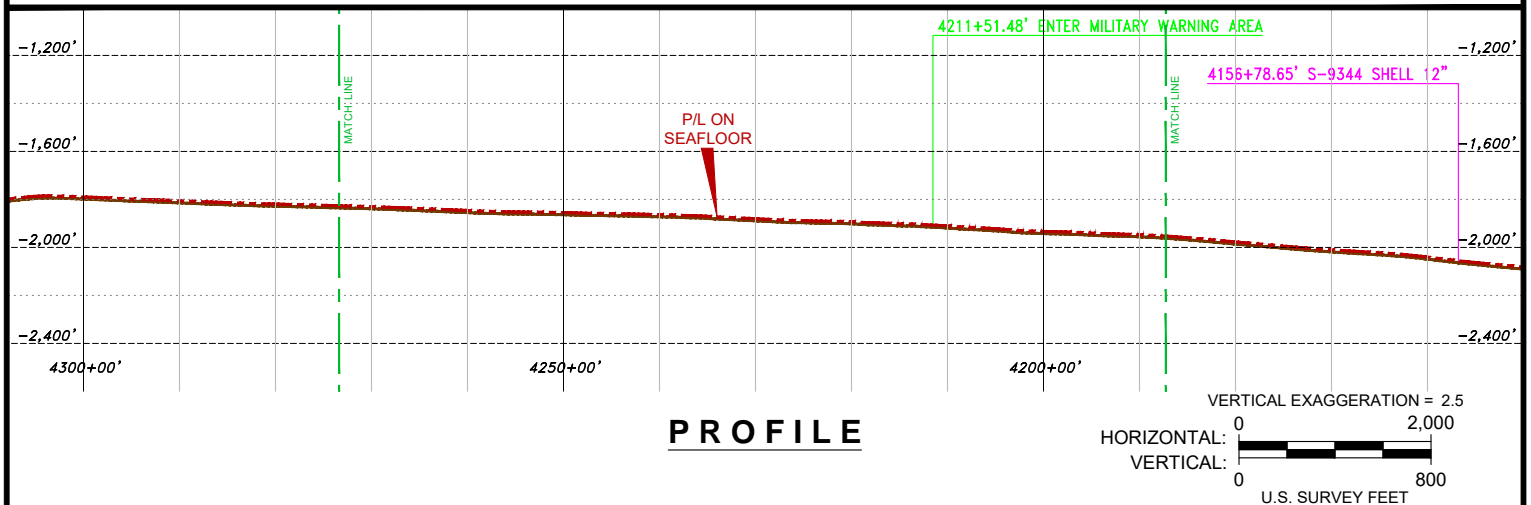
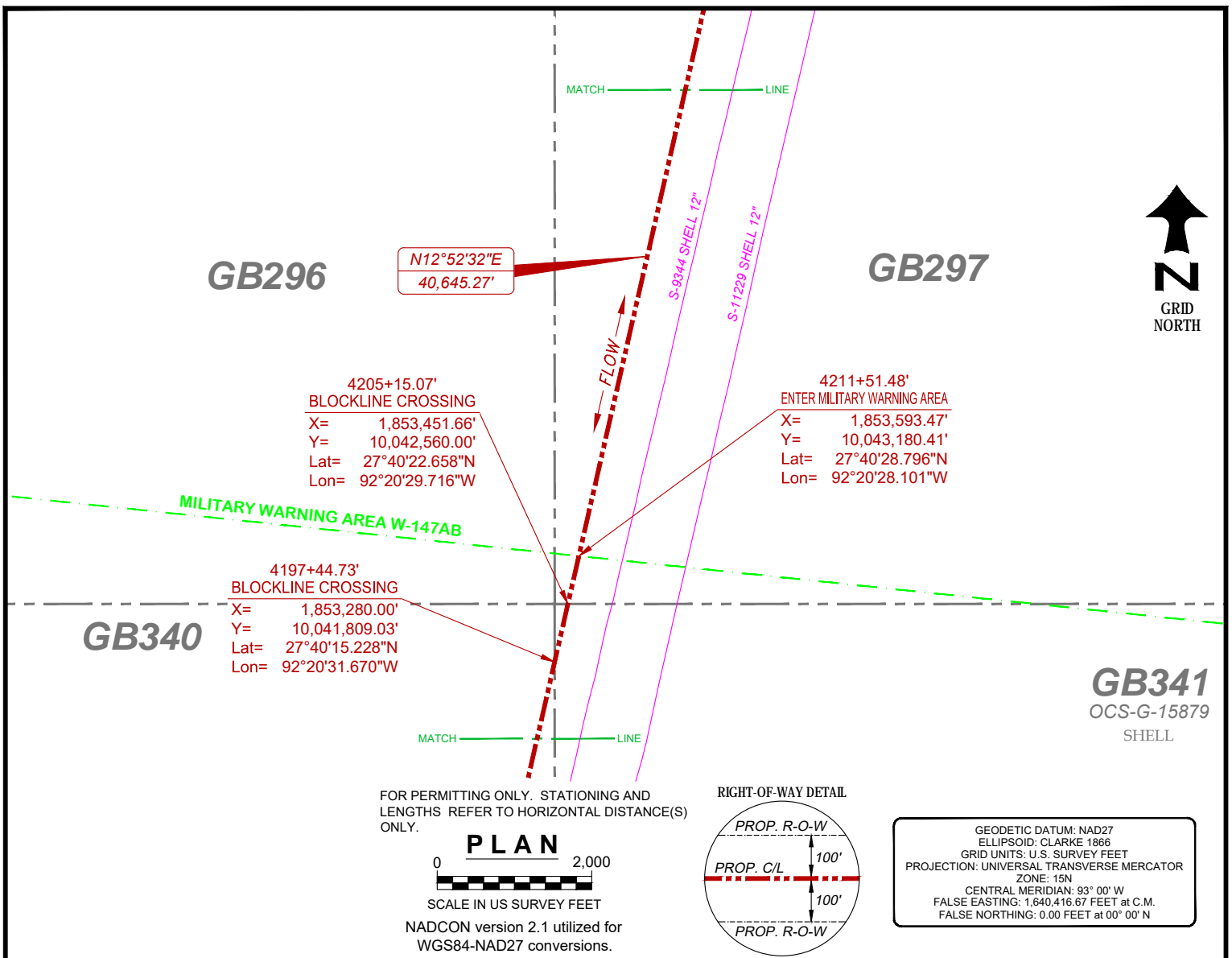
CKD: D. Pierrotte

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-38

SHEET 38 of 51

REV.  
1



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrottie

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-39

**SHEET 39 of 51**

REV.  
**1**



GB296

MILITARY WARNING  
AREA W-147AB

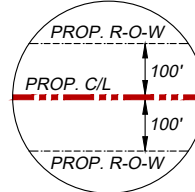
GB297

FOR PERMITTING ONLY. STATIONING AND  
LENGTHS REFER TO HORIZONTAL DISTANCE(S)  
ONLY.

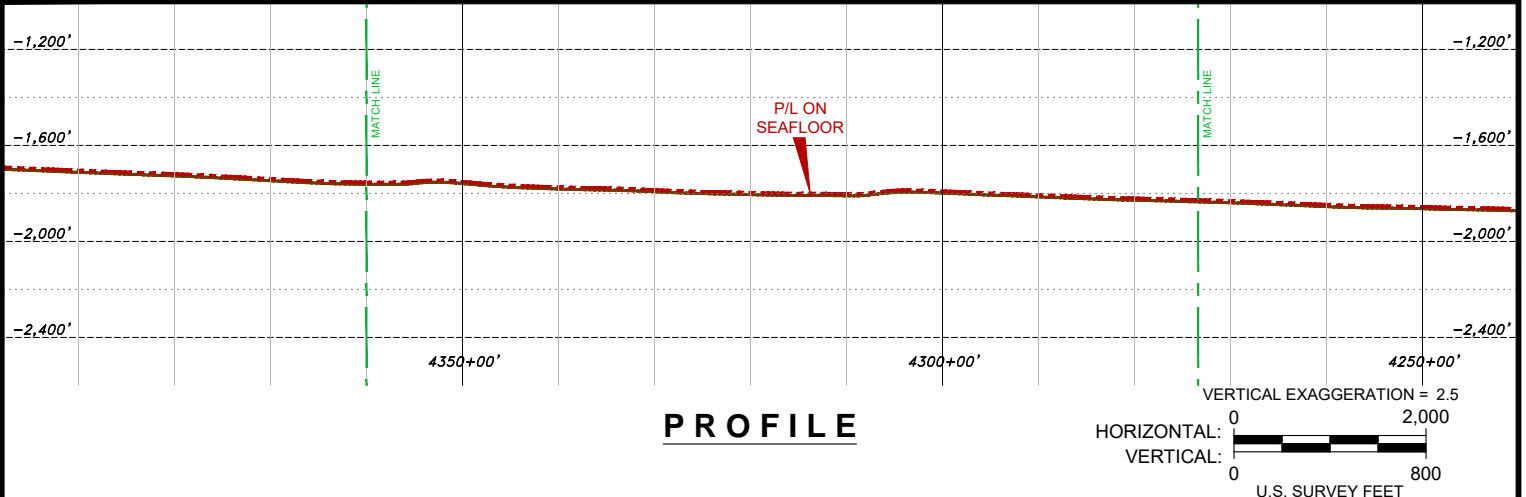


SCALE IN US SURVEY FEET  
NADCON version 2.1 utilized for  
WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrottie

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-40

**SHEET 40 of 51**

REV.  
**1**



GB252

MILITARY WARNING  
AREA W-147AB

GB253

GB296

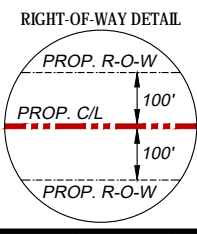
GB297

4367+63.61'  
BLOCKLINE CROSSING  
X= 1,857,072.36'  
Y= 10,058,400.00'  
Lat= 27°42'59.370"N  
Lon= 92°19'48.475"W

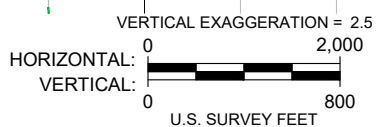
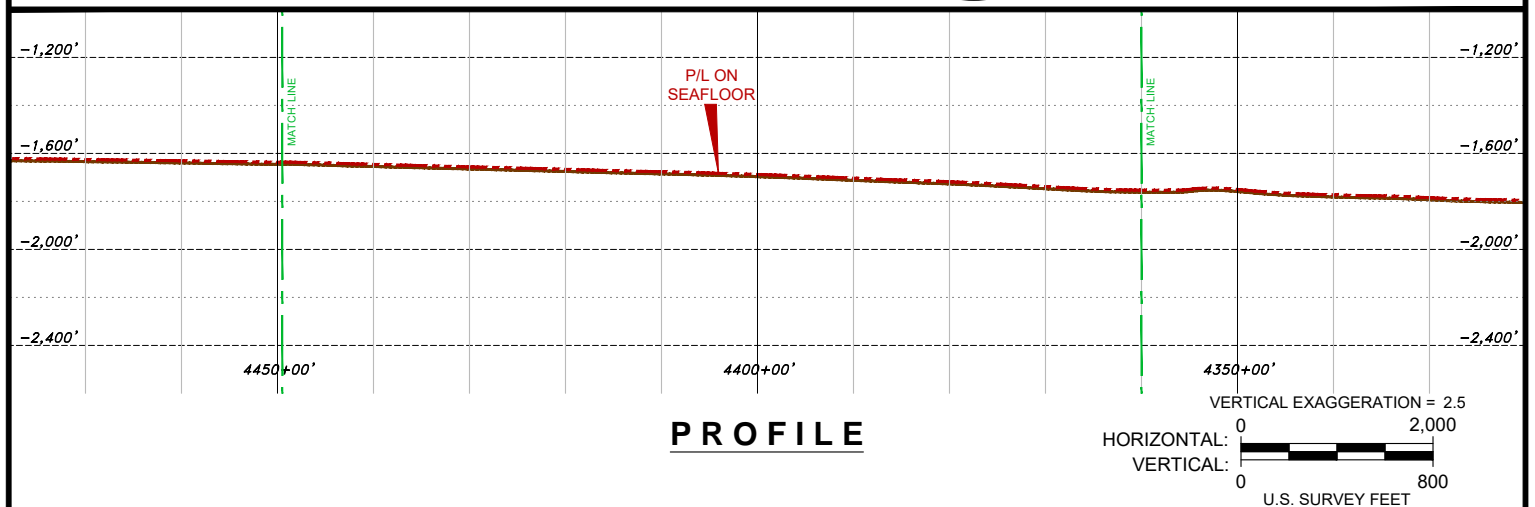
FOR PERMITTING ONLY. STATIONING AND  
LENGTHS REFER TO HORIZONTAL DISTANCE(S)  
ONLY.



NADCON version 2.1 utilized for  
WGS84-NAD27 conversions.



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



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202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819	DRW: J. Guidry	DATE: August 12, 2022
CKD: D. Pierrotte	APP: R. Frost	
DOC: 216819-OII-DRW-PRM-001-41		
SHEET 41 of 51		REV. 1

GB209

MATCH LINE

4529+94.32'  
BLOCKLINE CROSSINGX= 1,860,597.49'  
Y= 10,074,240.00'  
Lat= 27°45'36.083"N  
Lon= 92°19'08.265"W

## CURVE 24 DATA

PC24	4513+21.61'
X=	1,860,316.36'
Y=	10,072,591.96'
Lat=	27°45'19.773"N
Lon=	92°19'11.497"W
PT24	4673+33.93'
X=	1,855,674.48'
Y=	10,087,131.78'
Lat=	27°47'44.049"N
Lon=	92°20'02.303"W
PI24	
X=	1,862,291.62'
Y=	10,081,233.45'
R=	15,000.00'
T=	8,864.36'
Δ=	61°09'45"
L=	16,012.32'

MILITARY WARNING  
AREA W-147ABN12°52'32"E  
40,645.27'

S-9344 SHELL 12"

S-11229 SHELL 12"

GB253

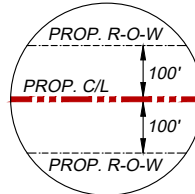
MATCH LINE

FOR PERMITTING ONLY. STATIONING AND  
LENGTHS REFER TO HORIZONTAL DISTANCE(S)  
ONLY.

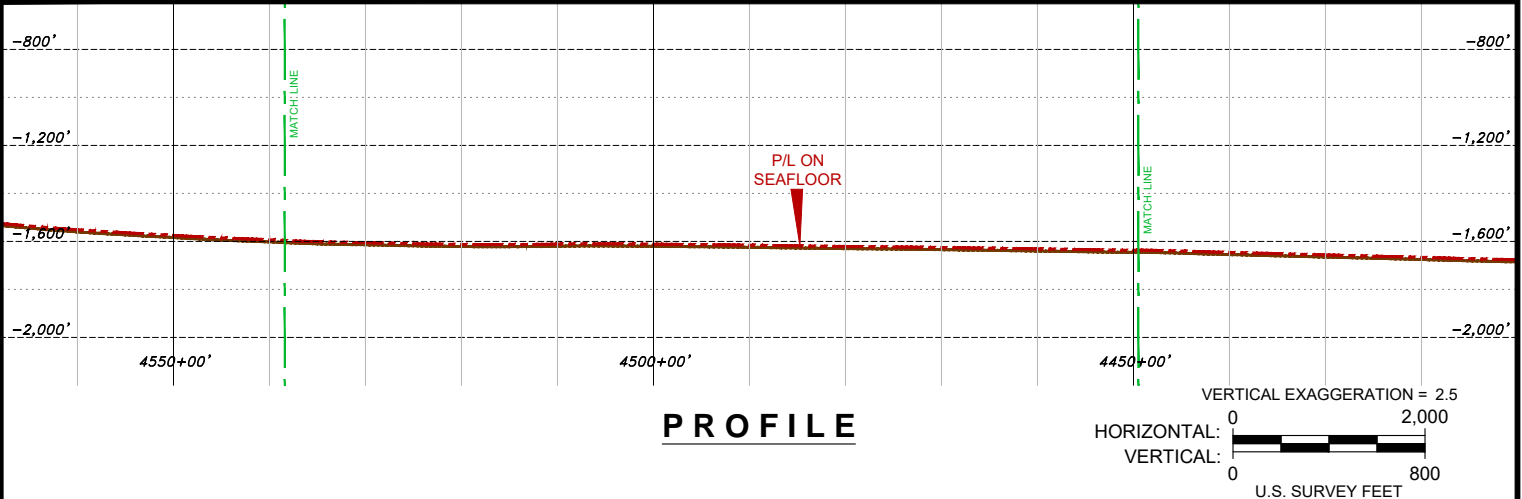
SCALE IN US SURVEY FEET

NADCON version 2.1 utilized for  
WGS84-NAD27 conversions.

## RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:

OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrotte

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-42

SHEET 42 of 51

REV.  
1

SIZE: 8.5" X 11"    DATE: 08/12/2022    TIME: 11:26    FILENAME: Z:\216819\ACAD\PERMIT\216819-OII-DRW-PRM-001.DWG



GB164

MATCH LINE

GB165



4717+64.69'  
BLOCKLINE CROSSING  
X= 1,852,366.97'  
Y= 10,090,080.00'  
Lat= 27°48'13.429"N  
Lon= 92°20'38.967"W

4708+27.56'  
S-14663 MCMORAN 2" Umb.  
X= 1,853,066.53'  
Y= 10,089,456.43'  
Lat= 27°48'07.216"N  
Lon= 92°20'31.212"W

4705+41.59'  
BLOCKLINE CROSSING  
X= 1,853,280.00'  
Y= 10,089,266.15'  
Lat= 27°48'05.319"N  
Lon= 92°20'28.845"W

N48°17'14"W  
60,426.89'

GB209

CURVE 24 DATA	
PC24	4513+21.61'
X=	1,860,316.36'
Y=	10,072,591.96'
Lat=	27°45'19.773"N
Lon=	92°19'11.497"W
PT24	4673+33.93'
X=	1,855,674.48'
Y=	10,087,131.78'
Lat=	27°47'44.049"N
Lon=	92°20'02.303"W
PI24	
X=	1,862,291.62'
Y=	10,081,233.45'
R=	15,000.00'
T=	8,864.36'
Δ=	61°09'45"
L=	16,012.32'

GB208

4707+61.62'  
S-14662 MCMORAN 4"  
X= 1,853,115.75'  
Y= 10,089,412.56'  
Lat= 27°48'06.778"N  
Lon= 92°20'30.666"W

MILITARY WARNING  
AREA W-147AB

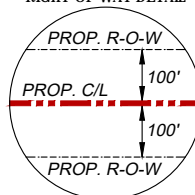
MATCH LINE

FOR PERMITTING ONLY. STATIONING AND  
LENGTHS REFER TO HORIZONTAL DISTANCE(S)  
ONLY.

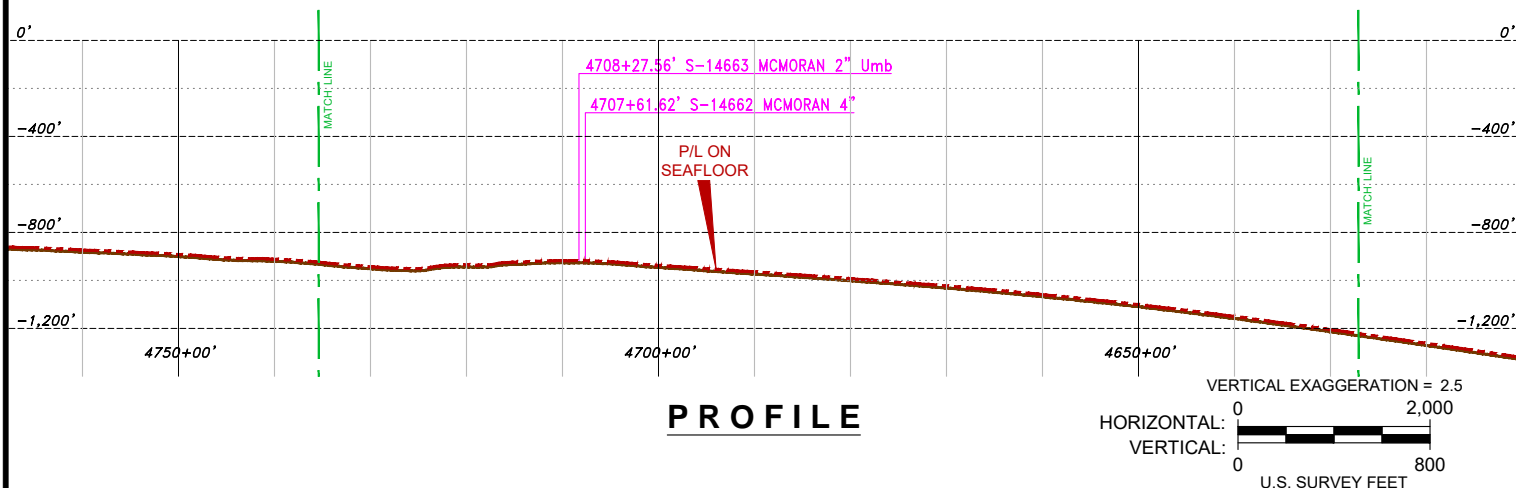


NADCON version 2.1 utilized for  
WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
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to  
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PREPARED  
BY:

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202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrottie

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-44

SHEET 44 of 51

REV.  
1

MATCH ——— LINE

GB164



N48°17'14"W  
60,426.89'

FLOW

MILITARY WARNING  
AREA W-147AB

MATCH ——— LINE

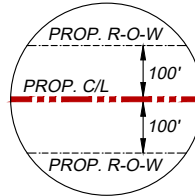
FOR PERMITTING ONLY. STATIONING AND  
LENGTHS REFER TO HORIZONTAL DISTANCE(S)  
ONLY.



SCALE IN US SURVEY FEET

NADCON version 2.1 utilized for  
WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
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PREPARED  
BY:



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BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

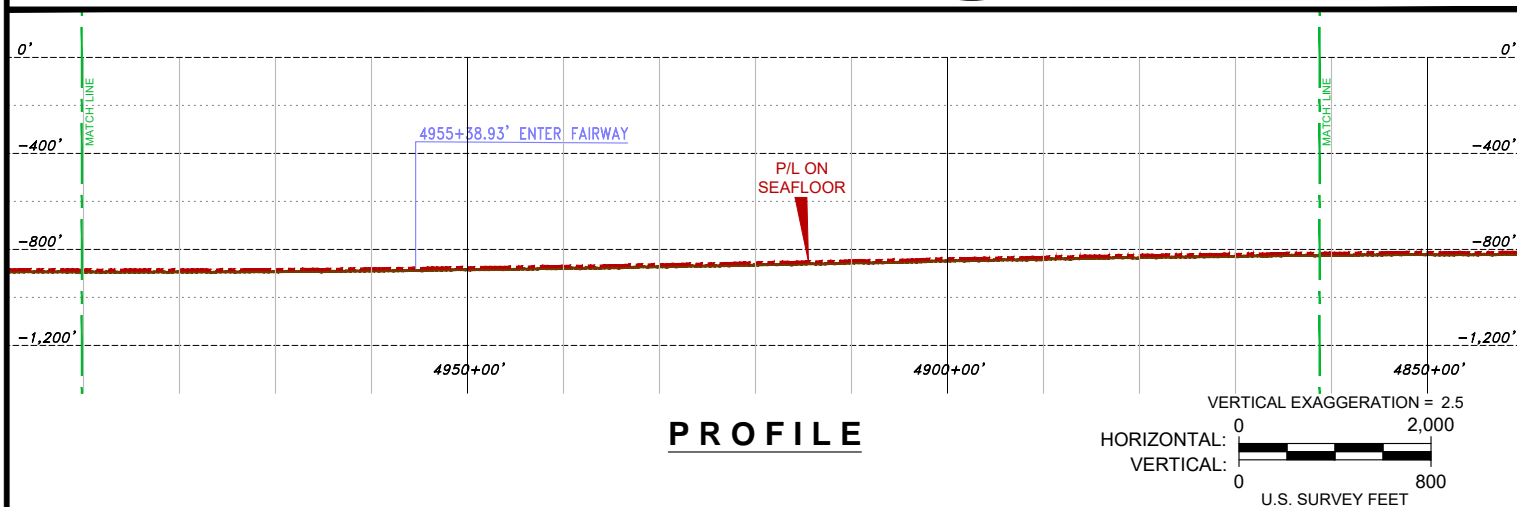
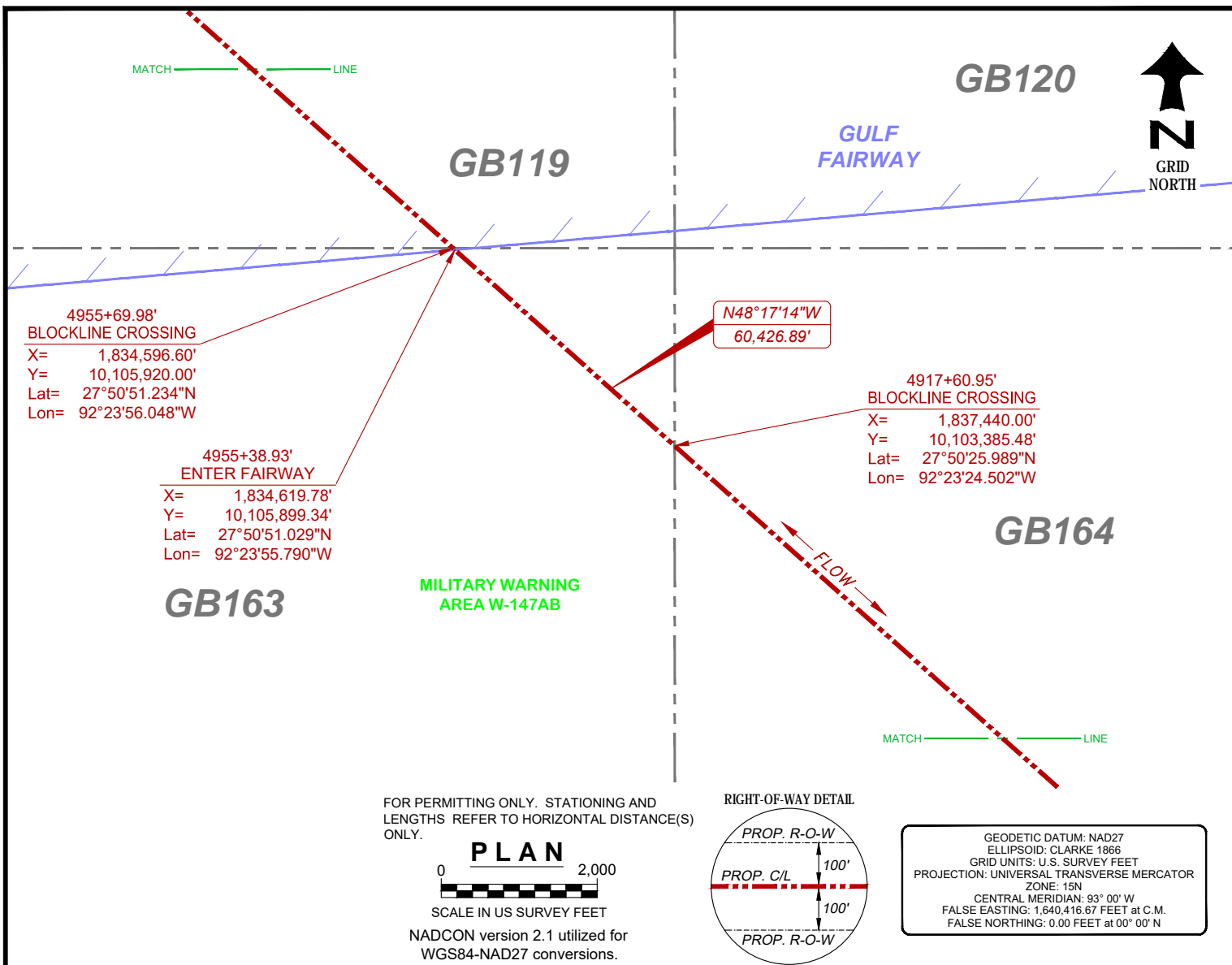
CKD: D. Pierrottie

APP: R. Frost

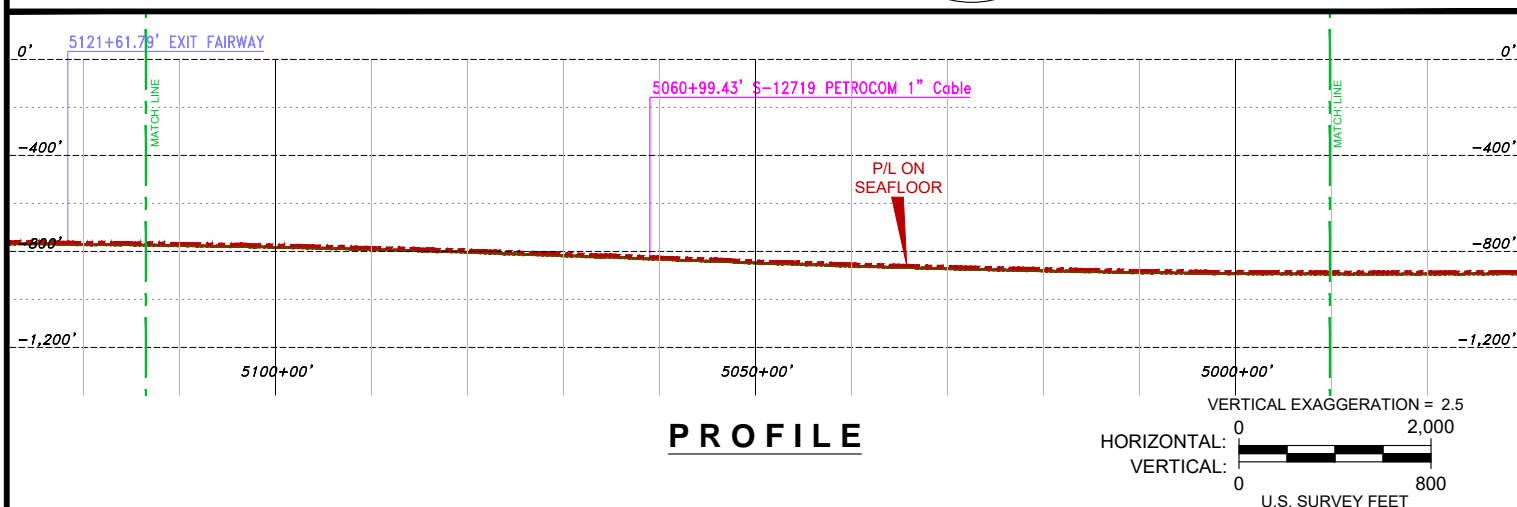
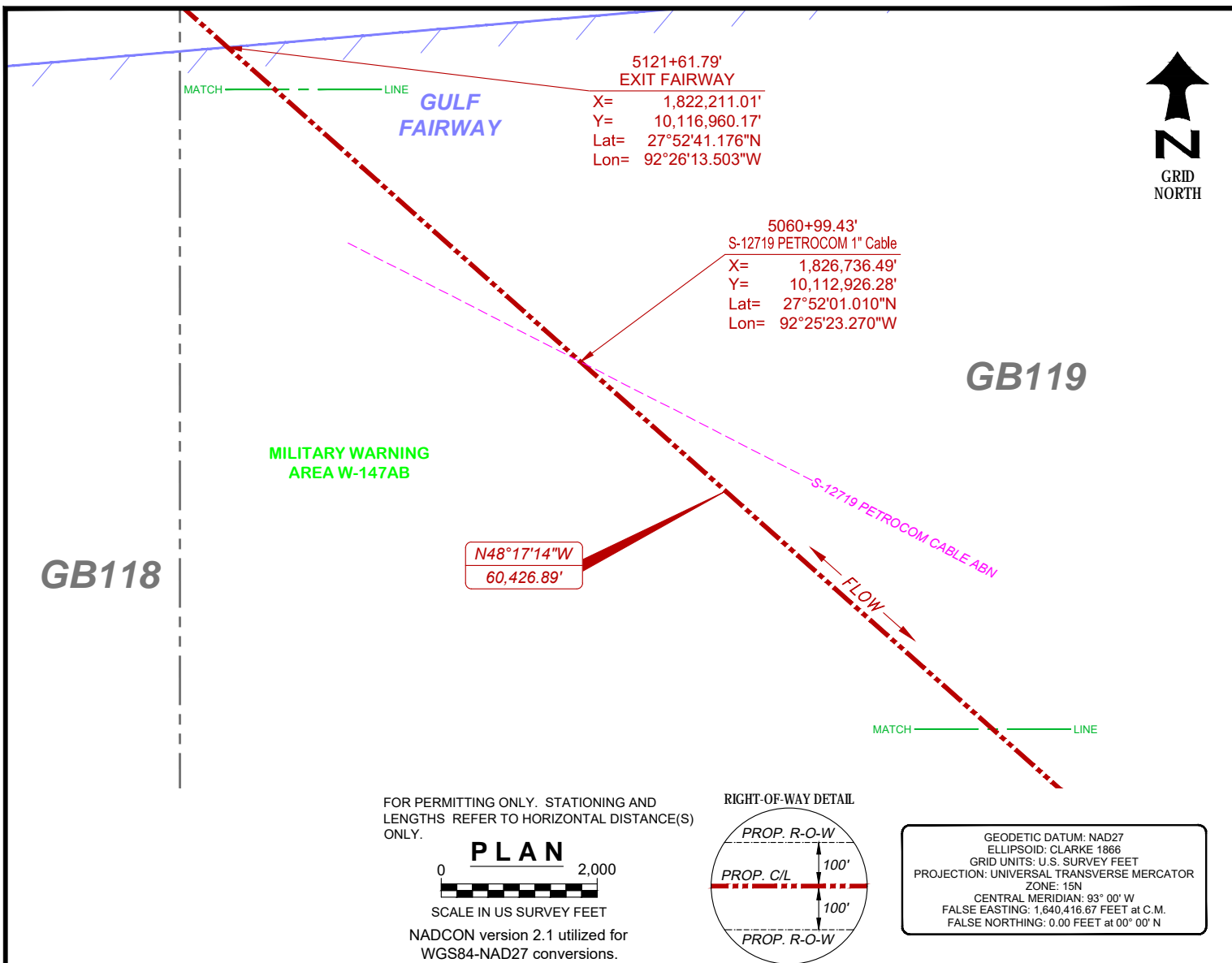
DOC: 216819-OII-DRW-PRM-001-45

SHEET 45 of 51

REV.  
1



<b>MANTA RAY GATHERING COMPANY, L.L.C.</b>		<b>PROPOSED 20" OIL EXPORT ROUTE</b> Block 52 Proposed PLET Hub, Walker Ridge Area to Block 72 BOR at "A" Platform, Garden Banks Area			
PREPARED BY: 	OCEANEERING INTERNATIONAL, INC. 202 STANTON STREET BROUSSARD, LA 70518 (337) 210-0000 LA Reg. No. 747	JOB: 216819 CKD: D. Pierrotte DOC: 216819-OII-DRW-PRM-001-46	DRW: J. Guidry APP: R. Frost	DATE: August 12, 2022 <b>SHEET 46 of 51</b>	REV. <b>1</b>



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

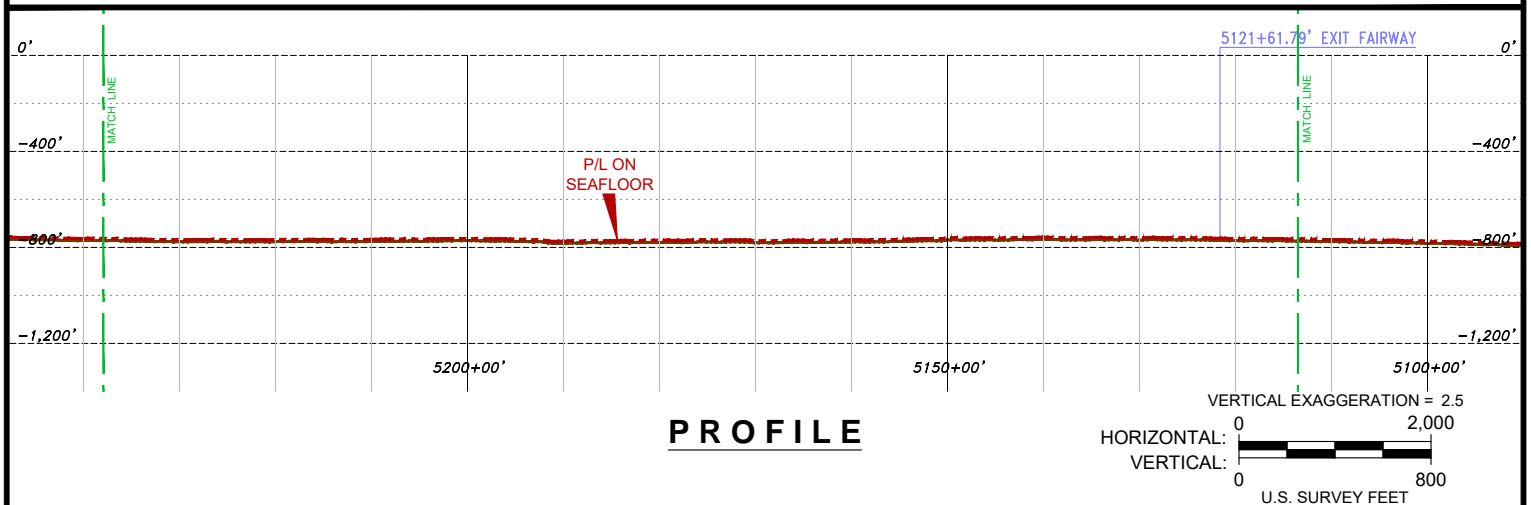
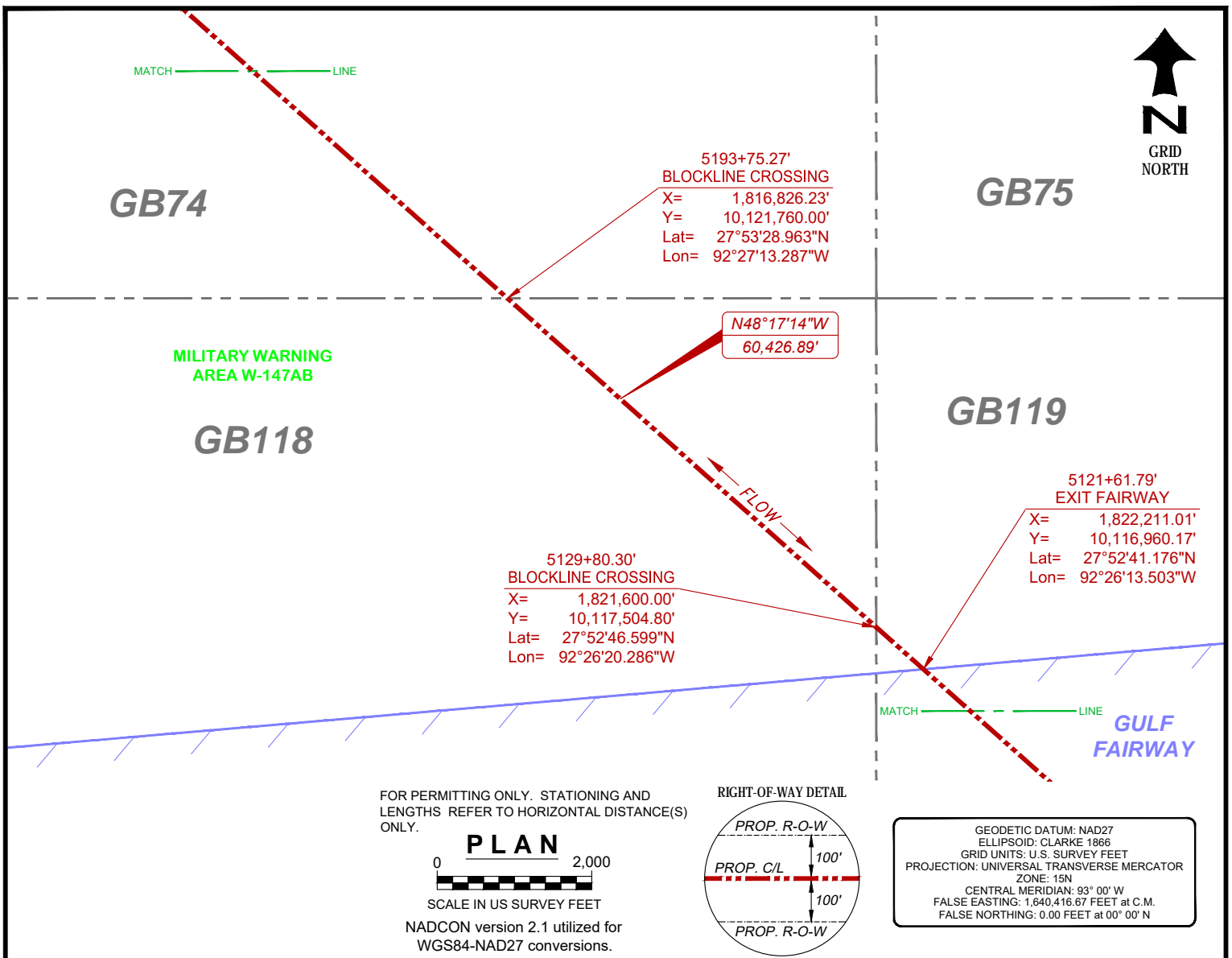
CKD: D. Pierrotte

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-47

**SHEET 47 of 51**

REV.  
**1**



MANTA RAY GATHERING COMPANY, L.L.C.

**PROPOSED 20" OIL EXPORT ROUTE**  
Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrotte

APP: R. Frost

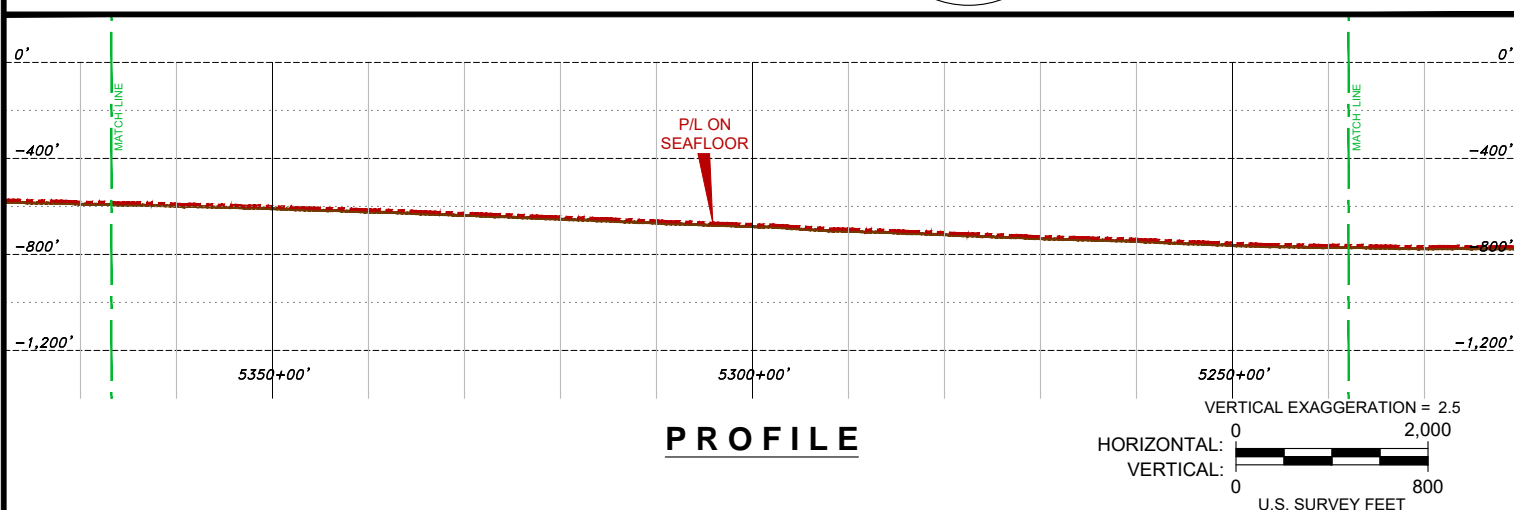
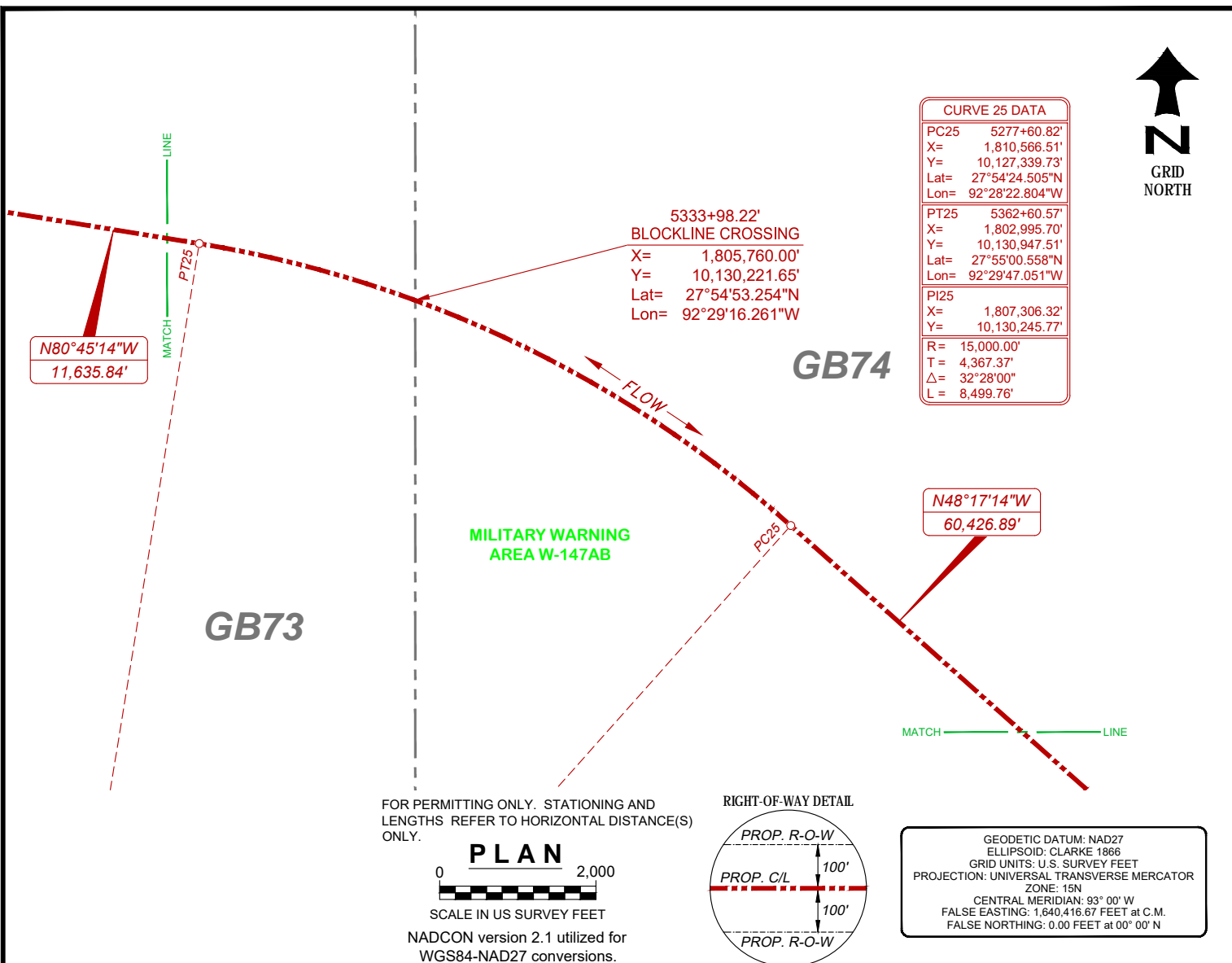
DOC: 216819-OII-DRW-PRM-001-48

**SHEET 48 of 51**

REV.  
**1**



CURVE 25 DATA	
PC25	5277+60.82'
X=	1,810,566.51'
Y=	10,127,339.73'
Lat=	27°54'24.505"N
Lon=	92°28'22.804"W
PT25	5362+60.57'
X=	1,802,995.70'
Y=	10,130,947.51'
Lat=	27°55'00.558"N
Lon=	92°29'47.051"W
PI25	
X=	1,807,306.32'
Y=	10,130,245.77'
R=	15,000.00'
T=	4,367.37'
Δ=	32°28'00"
L=	8,499.76'



MANTA RAY GATHERING COMPANY, L.L.C.

## PROPOSED 20" OIL EXPORT ROUTE

Block 52 Proposed PLET Hub, Walker Ridge Area  
to  
Block 72 BOR at "A" Platform, Garden Banks Area

PREPARED  
BY:



OCEANEERING INTERNATIONAL, INC.  
202 STANTON STREET  
BROUSSARD, LA 70518  
(337) 210-0000  
LA Reg. No. 747

JOB: 216819

DRW: J. Guidry

DATE: August 12, 2022

CKD: D. Pierrotte

APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-49

SHEET 49 of 51

REV.  
1





MILITARY WARNING  
AREA W-147AB

GB72



5557+46.59'  
END OF 20" PIPELINE  
X= 1,784,425.73'  
Y= 10,133,169.53'  
Lat= 27°55'23.282"N  
Lon= 92°33'14.033"W

S55°16'07"W  
1,246.43'

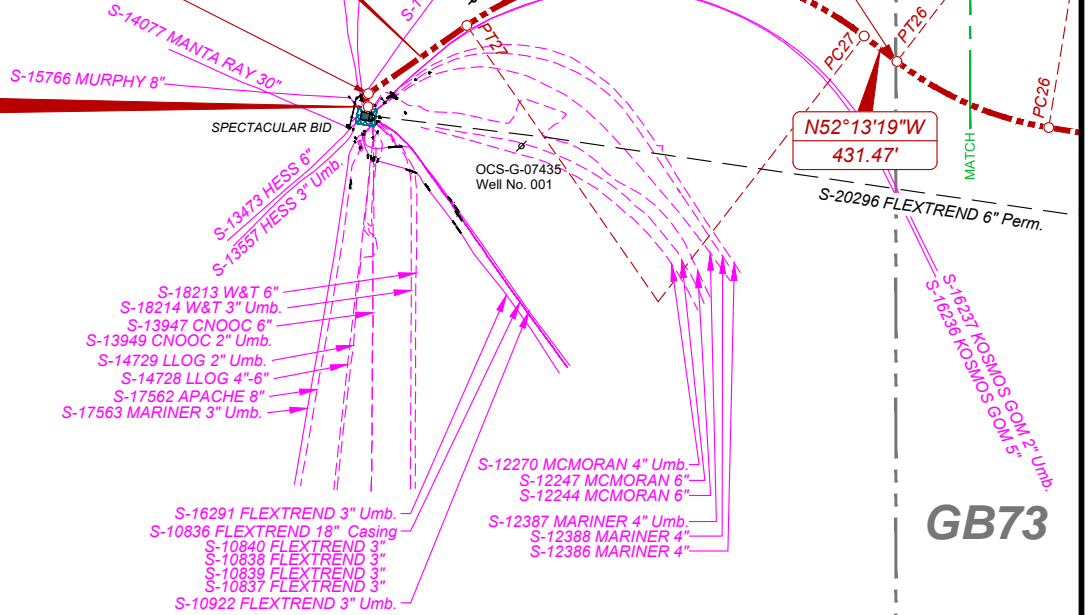
PROP. SHENANDOAH 20" OIL EXPORT P/L ROUTE  
TOTAL LENGTH = 555,746.59' = 105.26 statute miles

5496+51.09'  
BLOCKLINE CROSSING  
X= 1,789,920.00'  
Y= 10,133,512.50'  
Lat= 27°55'26.477"N  
Lon= 92°32'12.748"W

5559+03.73'  
BOR at GB72 "A" PLATFORM  
X= 1,784,421.97'  
Y= 10,133,033.51'  
Lat= 27°55'21.935"N  
Lon= 92°33'14.080"W

CURVE 26 DATA	
PC26	5478+96.41'
X=	1,791,511.05'
Y=	10,132,817.13'
Lat=	27°55'19.529"N
Lon=	92°31'55.035"W
PT26	5496+39.33'
X=	1,789,929.30'
Y=	10,133,505.29'
Lat=	27°55'26.406"N
Lon=	92°32'12.645"W
PI26	
X=	1,790,632.68'
Y=	10,132,960.12'
R=	3,500.00'
T=	889.93'
Δ=	28°31'55"
L=	1,742.92'

CURVE 27 DATA	
PC27	5500+70.80'
X=	1,789,588.27'
Y=	10,133,769.61'
Lat=	27°55'29.037"N
Lon=	92°32'16.437"W
PT27	5545+00.16'
X=	1,785,450.09'
Y=	10,133,879.66'
Lat=	27°55'30.280"N
Lon=	92°33'02.580"W
PI27	
X=	1,787,559.53'
Y=	10,135,342.02'
R=	3,500.00'
T=	2,566.76'
Δ=	72°30'35"
L=	4,429.36'



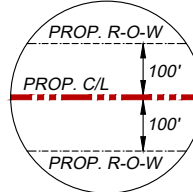
FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

**PLAN**  
0 2,000

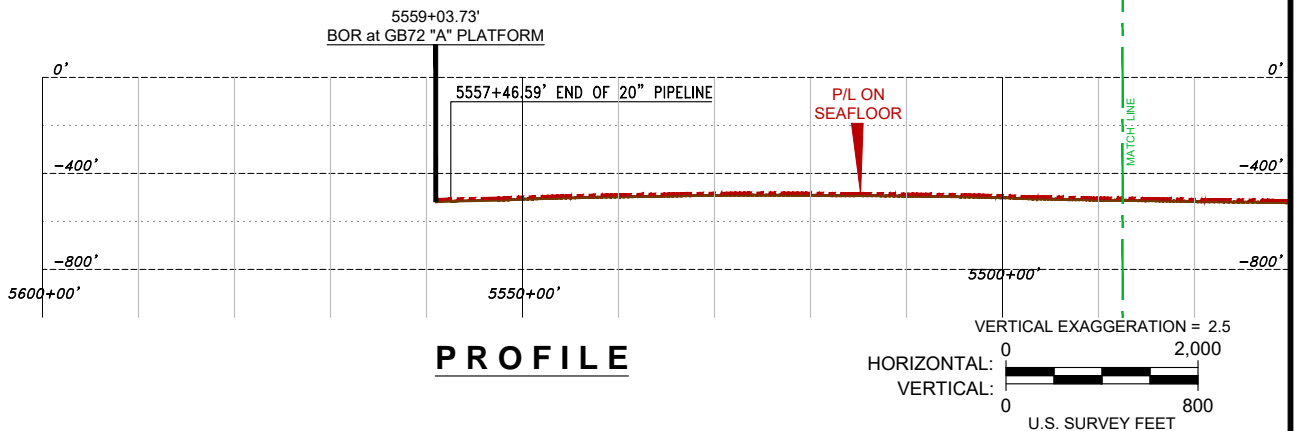
SCALE IN US SURVEY FEET

NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



GEODETIC DATUM: NAD27  
ELLIPSOID: CLARKE 1866  
GRID UNITS: U.S. SURVEY FEET  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
ZONE: 15N  
CENTRAL MERIDIAN: 93° 00' W  
FALSE EASTING: 1,640,416.67 FEET at C.M.  
FALSE NORTHING: 0.00 FEET at 00° 00' N



MANTA RAY GATHERING COMPANY, L.L.C.

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APP: R. Frost

DOC: 216819-OII-DRW-PRM-001-51

**SHEET 51 of 51**

REV.  
**1**