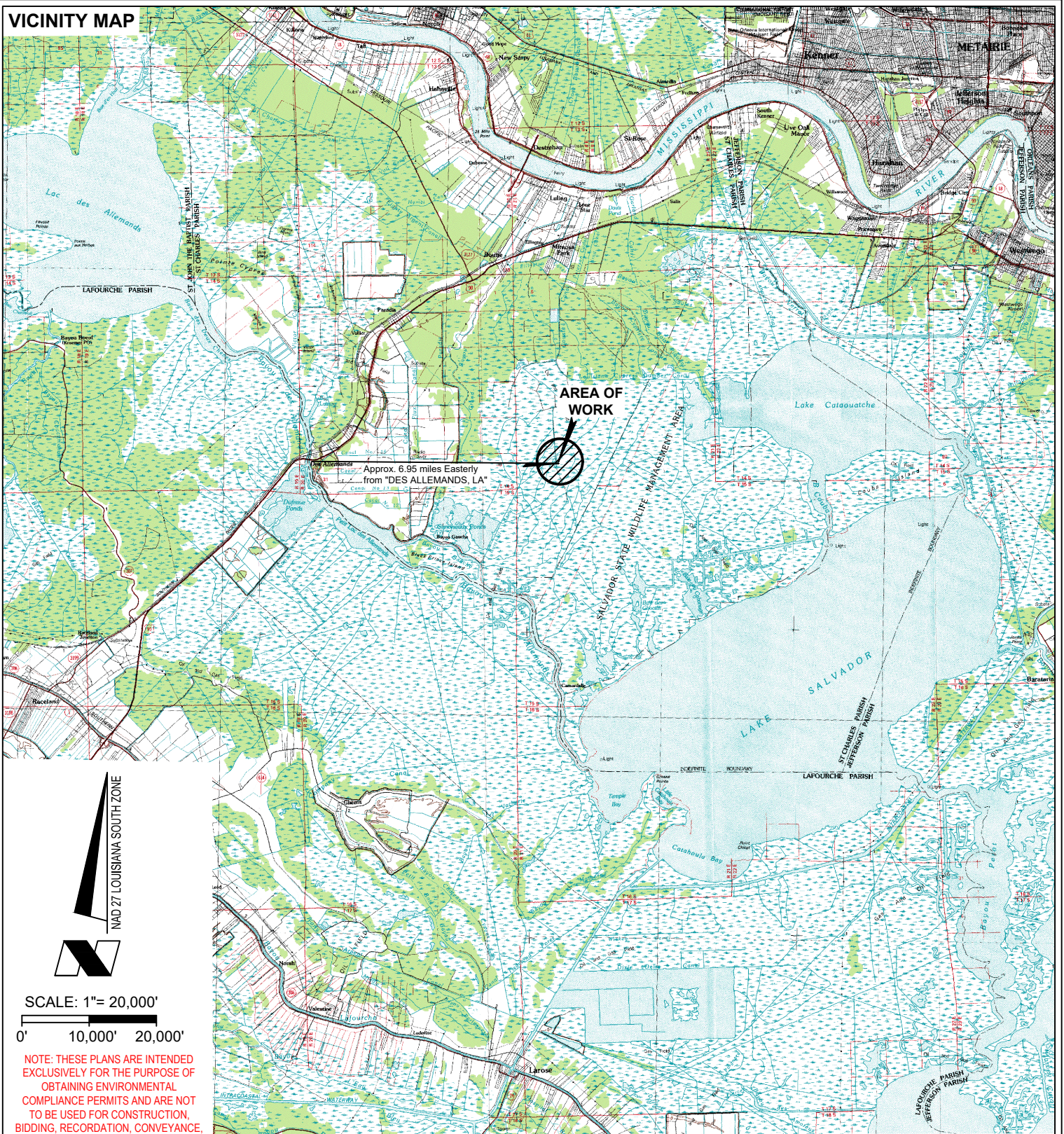


VICINITY MAP



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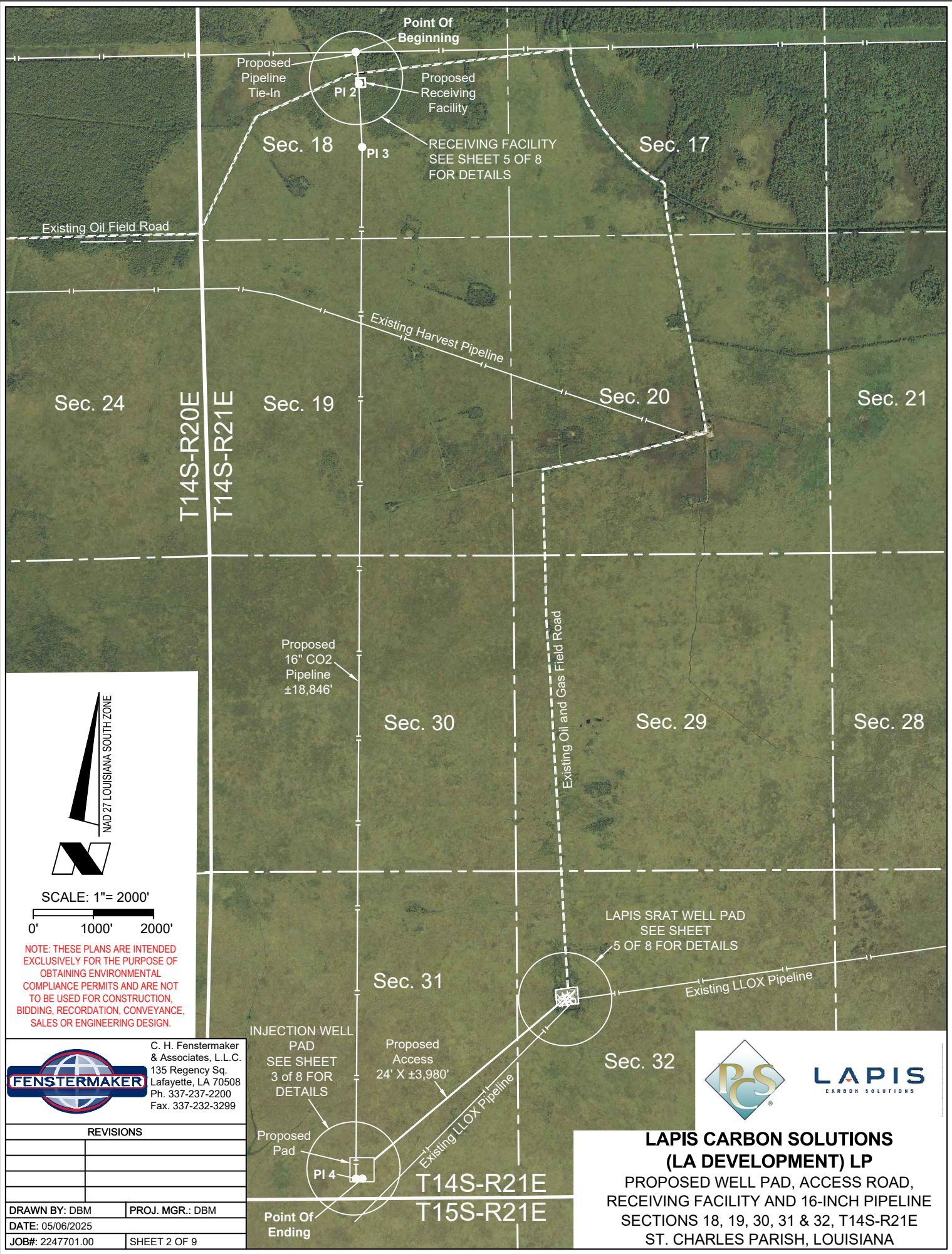
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JOB#: 2247701.00	SHEET 1 OF 9

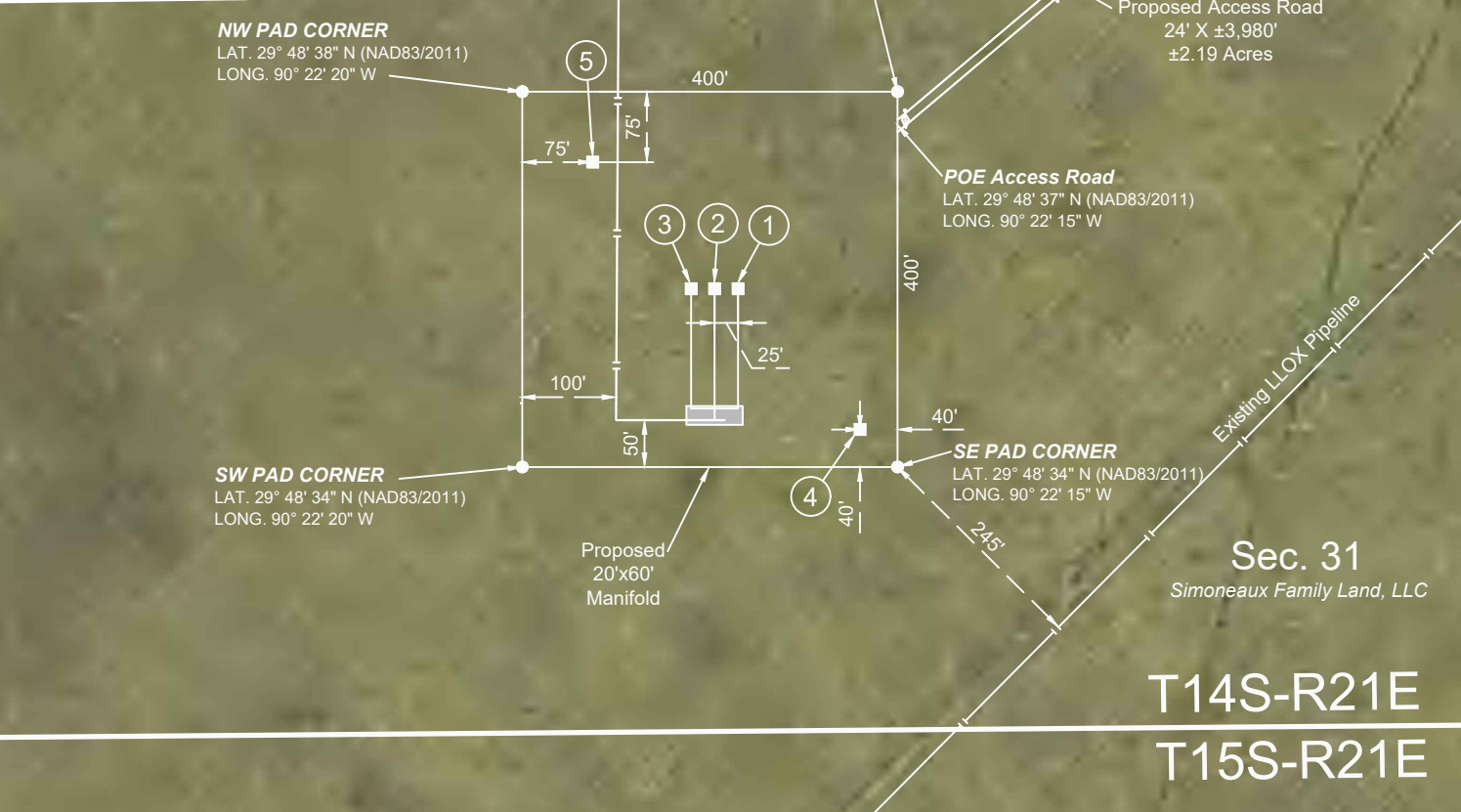
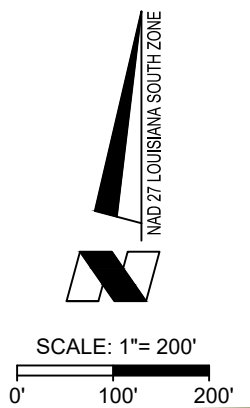


LAPIS
CARBON SOLUTIONS

**LAPIS CARBON SOLUTIONS
(LA DEVELOPMENT) LP**
PROPOSED WELL PAD, ACCESS ROAD,
RECEIVING FACILITY AND 16-INCH PIPELINE
SECTIONS 18, 19, 30, 31 & 32, T14S-R21E
ST. CHARLES PARISH, LOUISIANA




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COORDINATE TABLE


PT	Name	NAD27 LaS		NAD83/2011		Elevation
		Northing	Easting	Latitude	Longitude	
1	Proposed Simoneaux CCS Injector No. 001	416,977'	2,305,049'	29° 48' 36" N	90° 22' 17" W	+0.5' NAVD88
2	Proposed Simoneaux CCS Injector No. 002	416,977'	2,305,024'	29° 48' 36" N	90° 22' 17" W	+0.1' NAVD88
3	Proposed Simoneaux CCS Injector No. 003	416,977'	2,304,999'	29° 48' 36" N	90° 22' 18" W	-0.1' NAVD88
4	Proposed Simoneaux USDW NO. 1	416,827'	2,305,179'	29° 48' 34" N	90° 22' 16" W	+0.2' NAVD88
5	Proposed AZ Monitor Well	417,112'	2,304,894'	29° 48' 37" N	90° 22' 19" W	Not Staked

Note: Not to be used for construction, bidding, recordation, conveyance, sales, or engineering design.



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JOB#: 2247701.00C	SHEET 3 OF 9



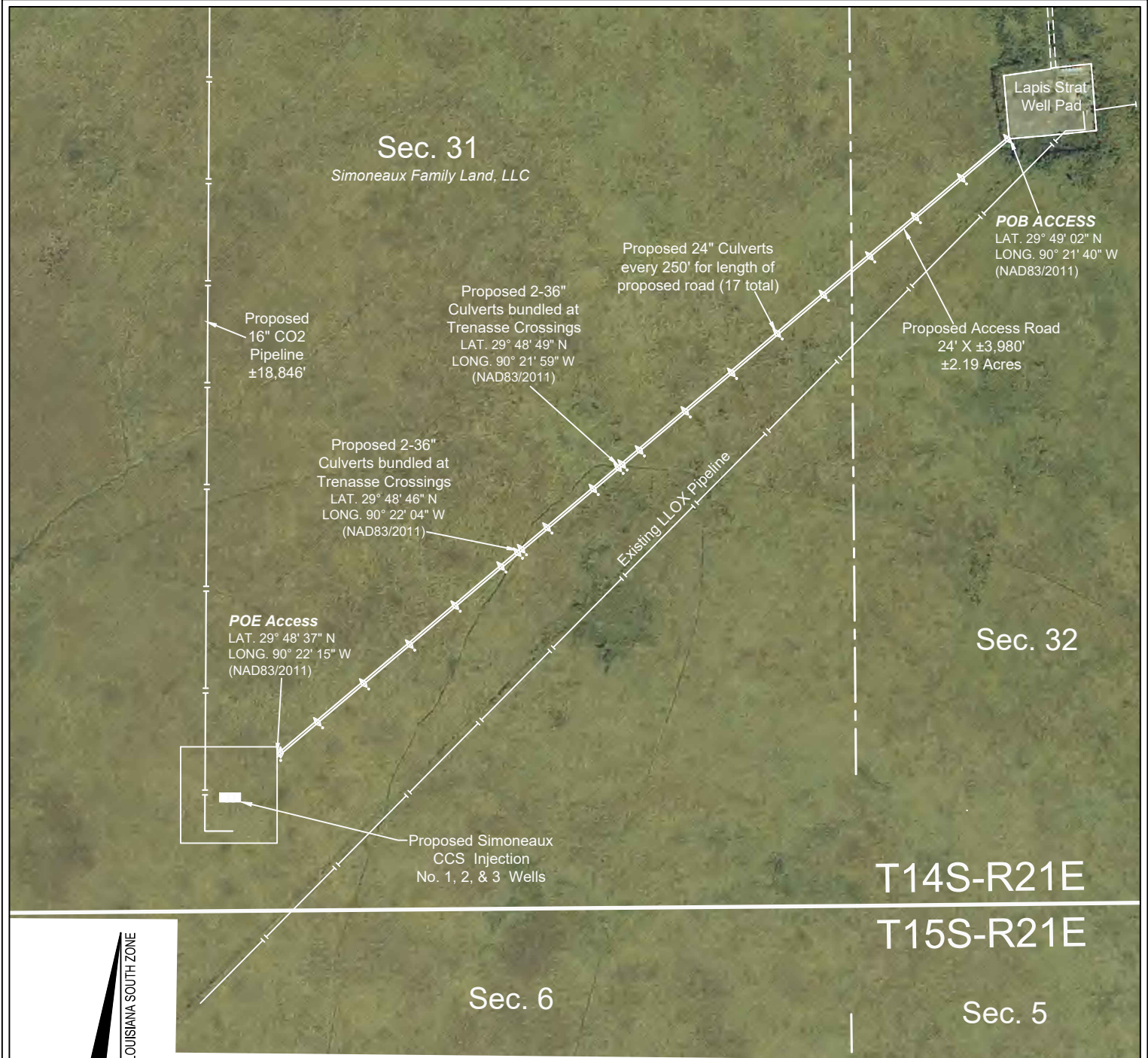
LEGEND
Proposed 24" Culvert every 250' (17 Total)

NOTE: THESE PLANS ARE INTENDED EXCLUSIVELY FOR THE PURPOSE OF OBTAINING ENVIRONMENTAL COMPLIANCE PERMITS AND ARE NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALES OR ENGINEERING DESIGN.



LAPIS CARBON SOLUTIONS (LA DEVELOPMENT) LP
PROPOSED WELL PAD, ACCESS ROAD, RECEIVING FACILITY AND 16-INCH PIPELINE SECTIONS 18, 19, 30, 31 & 32, T14S-R21E ST. CHARLES PARISH, LOUISIANA

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SCALE: 1"= 600'

0' 300' 600'

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JOB#: 2247701.00C	SHEET 4 OF 9

LEGEND



Proposed 24" Culvert every 250' (17 Total)



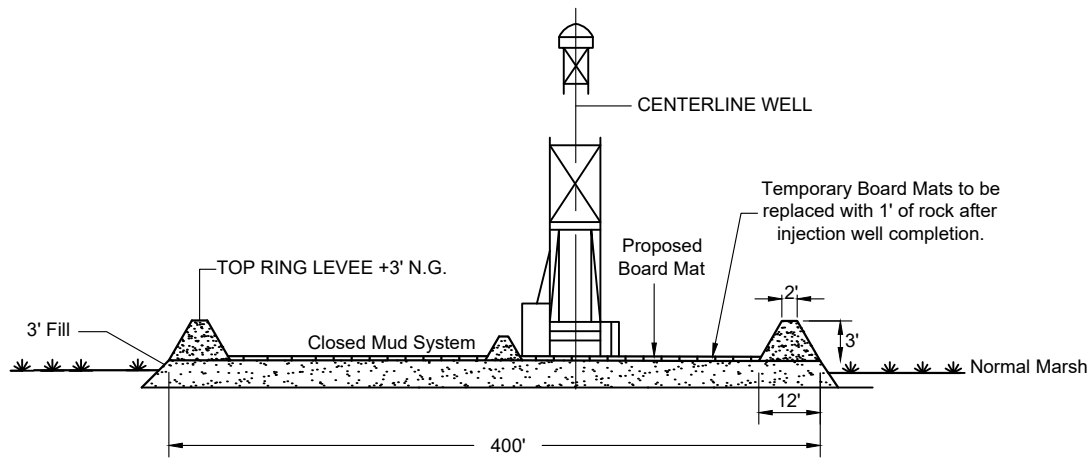
Proposed 2-36" Culvert (3 Total)



Note: Not to be used for construction, bidding, recordation, conveyance, sales, or engineering design.

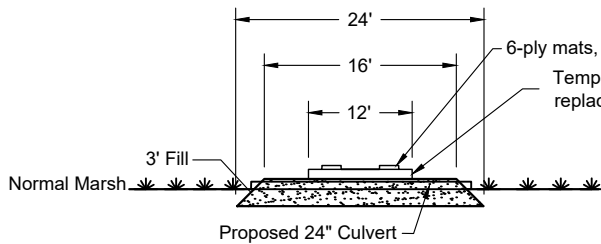


LAPIS CARBON SOLUTIONS (LA DEVELOPMENT) LP
PROPOSED WELL PAD, ACCESS ROAD, RECEIVING FACILITY AND 16-INCH PIPELINE
SECTIONS 18, 19, 30, 31 & 32, T14S-R21E
ST. CHARLES PARISH, LOUISIANA



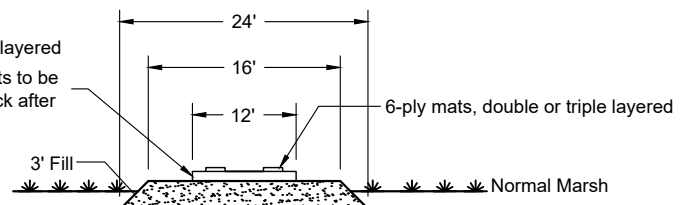
TYPICAL CROSS-SECTION OF INJECTION WELL PAD

No Scale



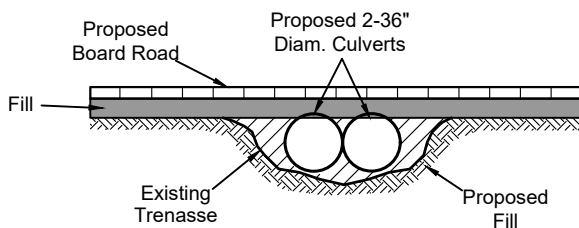
TYPICAL BOARD ROAD WITH CULVERT

No Scale



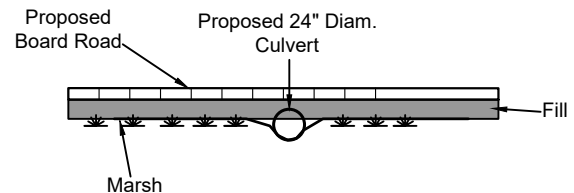
TYPICAL BOARD ROAD

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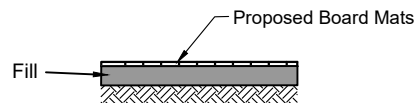
TRENASSE CROSSING DETAIL

No Scale



TYPICAL CULVERT DETAIL

No Scale



TYPICAL BOARD MAT

No Scale

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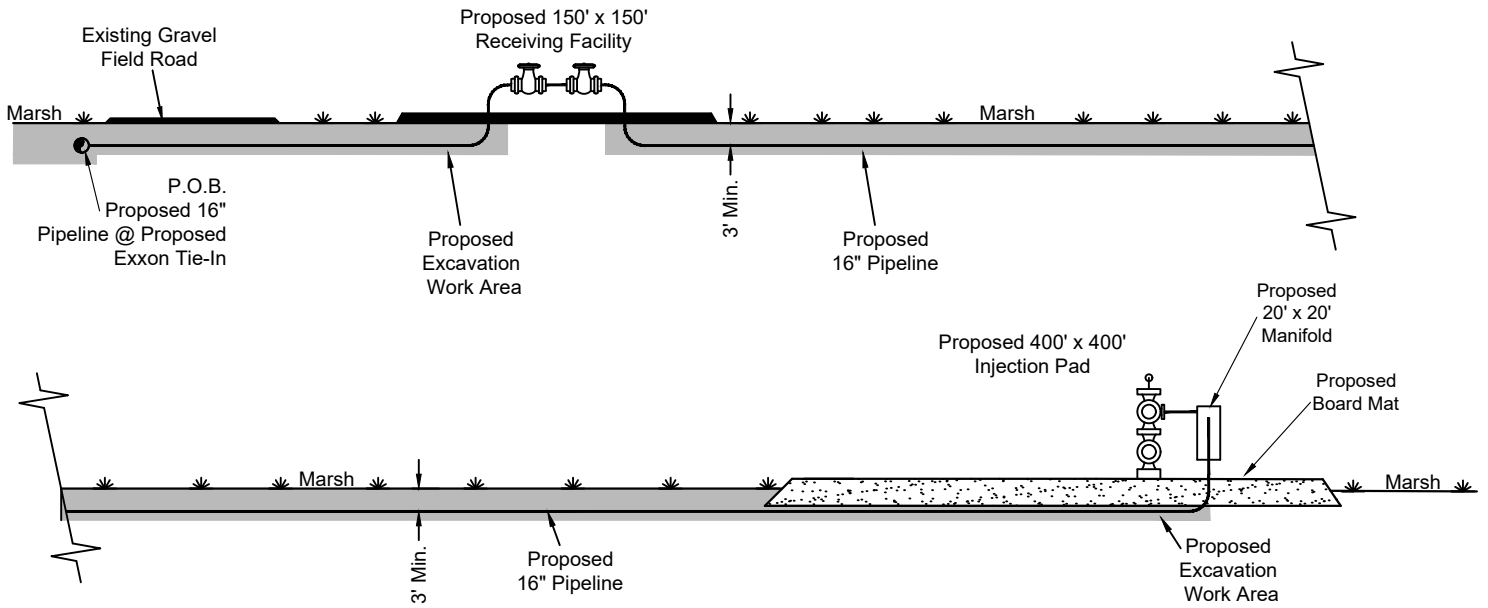
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JOB#: 2247701.00	SHEET 5 OF 9



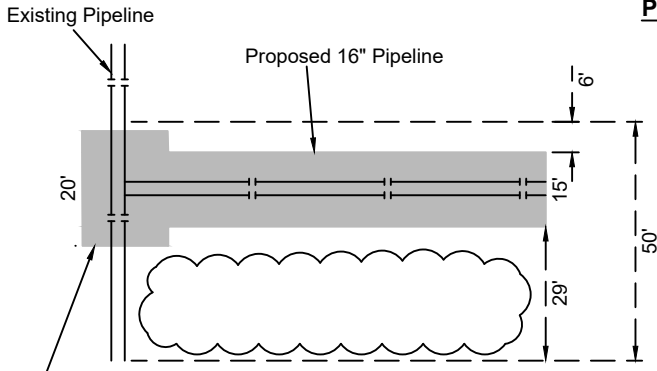
**LAPIS CARBON SOLUTIONS
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PROPOSED WELL PAD, ACCESS ROAD,
RECEIVING FACILITY AND 16-INCH PIPELINE
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Profile of Proposed 16" CO2 Pipeline

No Scale



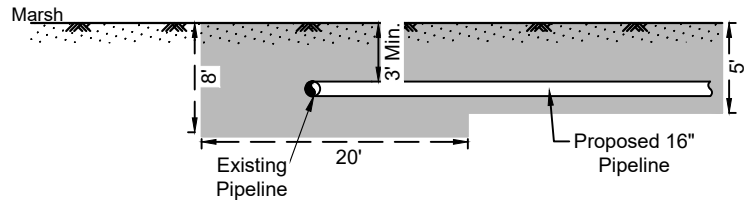
Pipeline Tie-In



Excavation Bump out for Tie-In will be 20' x 20' x 8' Deep

Pipeline Tie-In Plan View

No Scale



Profile of Typical Bell Hole @ Tie In

No Scale

Depicts Excavation

PROPOSED 16" CO2 PIPELINE

PT	NAD27 LaS		NAD83/2011	
	Northing	Easting	Latitude	Longitude
1	435,563'	2,304,913'	29° 51' 40" N	90° 22' 17" W
2	435,041'	2,304,964'	29° 51' 35" N	90° 22' 17" W
3	433,982'	2,305,020'	29° 51' 24" N	90° 22' 16" W
4	416,837'	2,304,919'	29° 48' 35" N	90° 22' 19" W
5	416,837'	2,305,035'	29° 48' 35" N	90° 22' 18" W

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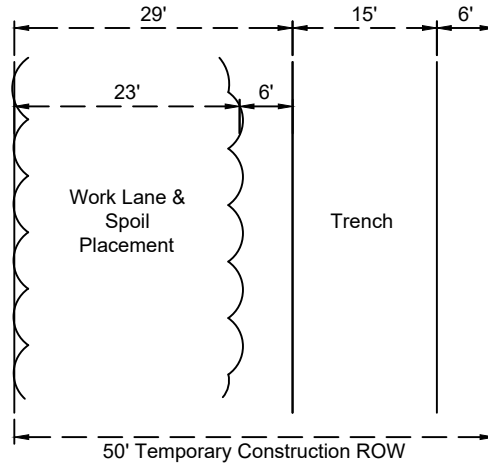
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**LAPIS CARBON SOLUTIONS
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PROPOSED WELL PAD, ACCESS ROAD,
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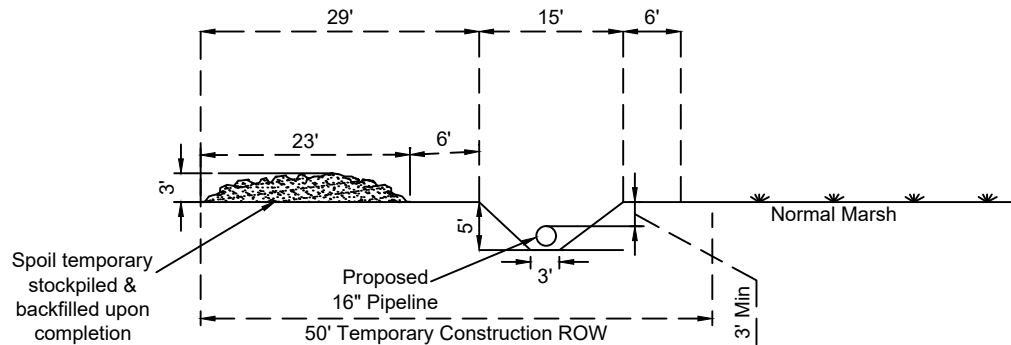
CONSTRUCTION ROW PLAN VIEW

Scale: 1" = 20'



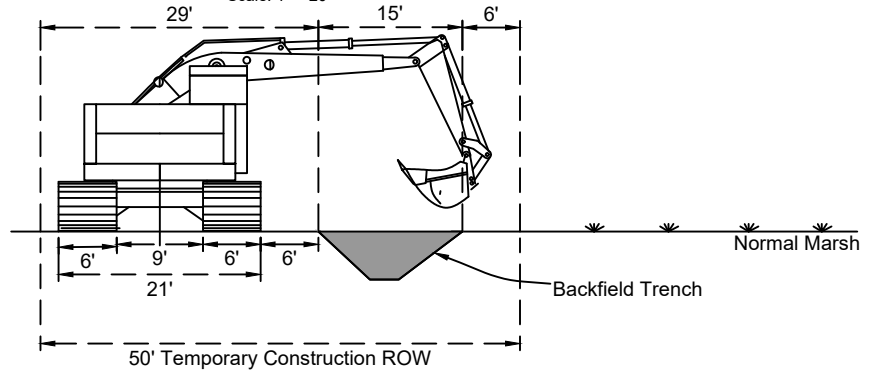
CONSTRUCTION ROW CROSS SECTION

Scale: 1" = 20'



CONSTRUCTION ROW CROSS SECTION

Scale: 1" = 20'



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EXCAVATIONS

	CUBIC YARDS	ACREAGE
Pipeline Trench	31,410	6.49
Pipeline Tie-In	119	0.01
FILL		
	CUBIC YARDS	ACREAGE
Pipeline Spoil (trench and tie-in) (native material)	31,410	9.94
Injection Well Access Road (sand)	4,722	2.19
Injection Well Access Road (rock)	1,771	
Injection Well Access Road (temporary board mats)	885	1.10
Injection Well Pad (sand)	11,852	3.67
Injection Well Pad (rock)	5,926	
*Injection Well Pad (temporary board mats)	2,763	-
Receiving Facility Access Road (sand)	87	0.07
Receiving Facility Access Road (rock)	32	
Receiving Facility (sand)	1,667	0.52
Receiving Facility (rock)	833	

* Injection Well Board Mat Acreage is not included. The board mats will be removed and replaced with rock. That rock acreage has been denoted in the table.

*Proposed pipeline has not been staked in field at this time.

PROJECT IMPACT TABLE

IMPACT	ACTIVE	ACREAGE
Temporary	Pipeline Trench	6.27 ac.
TOTAL Temporary Impacts:		6.27 ac.
Permanent	Receiving Facility & Access Road	0.59 ac.
	Injection Well Pad Site & Access Road	5.86 ac.
TOTAL Permanent Impacts:		6.45 ac.

NOTES:

- As-built drawings shall be submitted within 30 days of completion of this project to the Louisiana Department of Natural Resources, Office of Coastal Management, P.O. Box 44487, Baton Rouge, LA 70804-4487.
- In order to ensure the safety of all parties, the permittee shall contact the Louisiana ONE CALL System (811) or www.louisiana811.com, a minimum of 48 hours prior to the commencement of any excavation (Digging, Dredging, Jetting, etc.) or demolition activity.
- A closed mud system will be used.
- Permittee shall restore pre-project elevations and contours immediately upon completion of the permitted activities for which a growing season deferment applies.

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DISCLAIMER: At this time, C. H. Fenstermaker & Associates, L.L.C. has not performed nor has been asked to perform any type of engineering, hydrological modeling, flood plain, or "No Rise" certification analyses, including but not limited to determining whether the project will impact flood hazards in connection with federal/FEMA, state, and/or local laws, ordinances and regulations. Accordingly, Fenstermaker makes no warranty or representation of any kind as to the foregoing issues, and persons or entities using this information shall do so at their own risk.



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