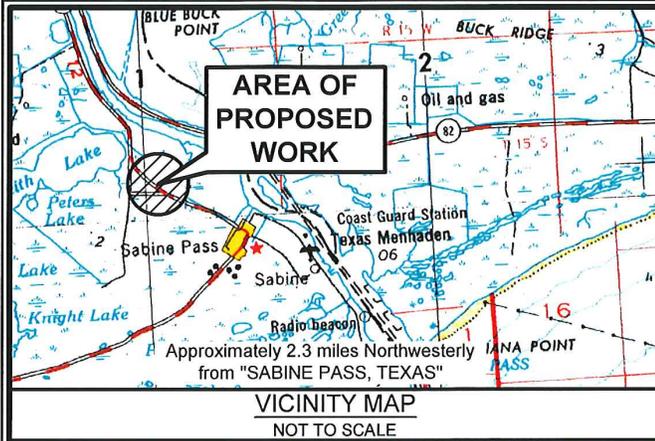
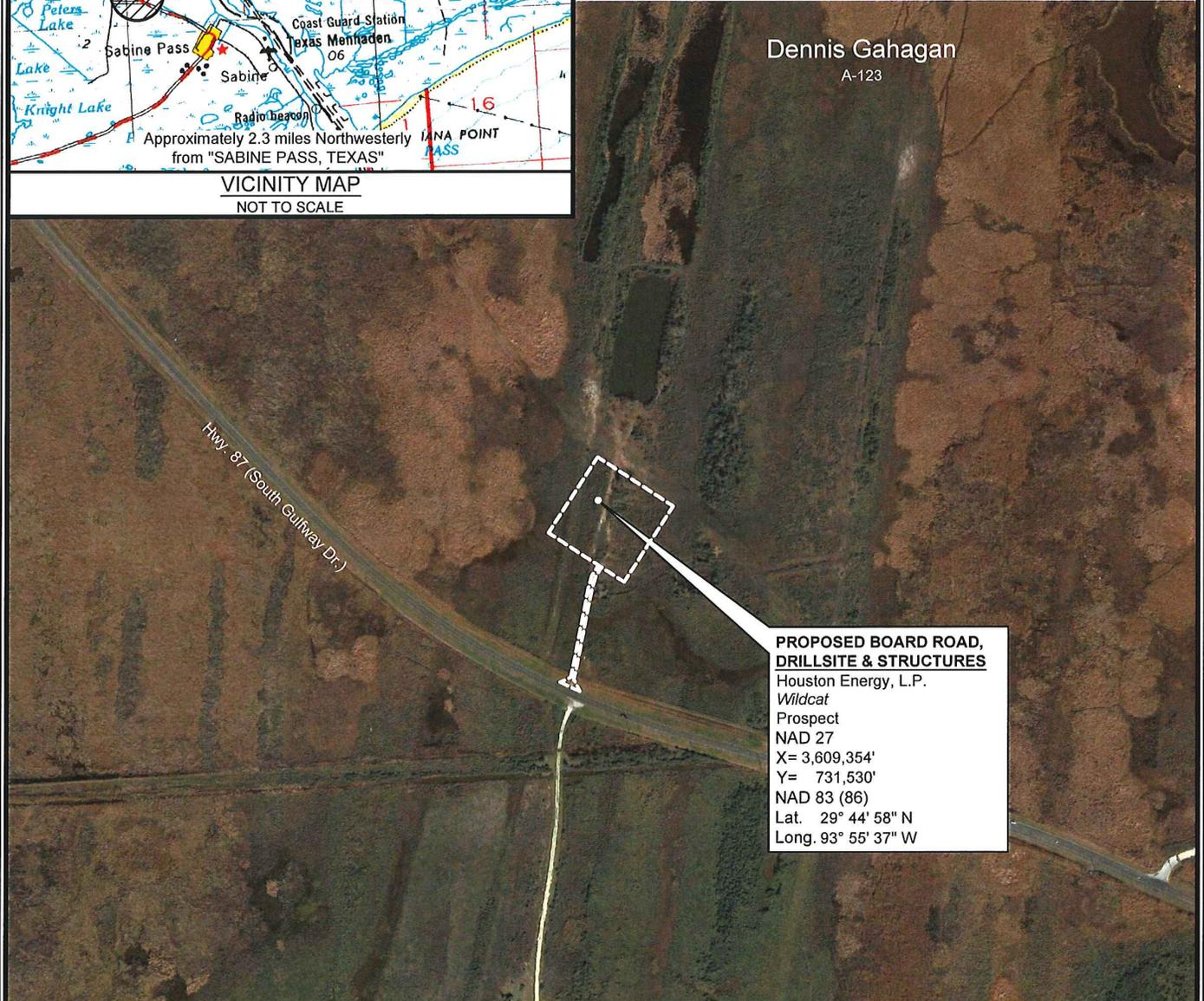


MAR 15 2019



NOTES

1. No field work was performed by C.H. Fenstermaker & Associates, LLC in preparation of these plans.
2. All topographic features depicted on these plans have been obtained from the best available digital media resources.



PRELIMINARY
THIS DOCUMENT SHALL NOT BE RECORDED FOR ANY PURPOSE AND SHALL NOT BE USED OR VIEWED OR RELIED UPON AS A FINAL SURVEY DOCUMENT

FENSTERMAKER

C. H. Fenstermaker & Associates, L.L.C.
5005 Rivenway Drive, Suite 300
Houston, TX 77056
Ph. 713-840-9995 Fax. 713-840-9997
www.fenstermaker.com
TX Firm 100285-01

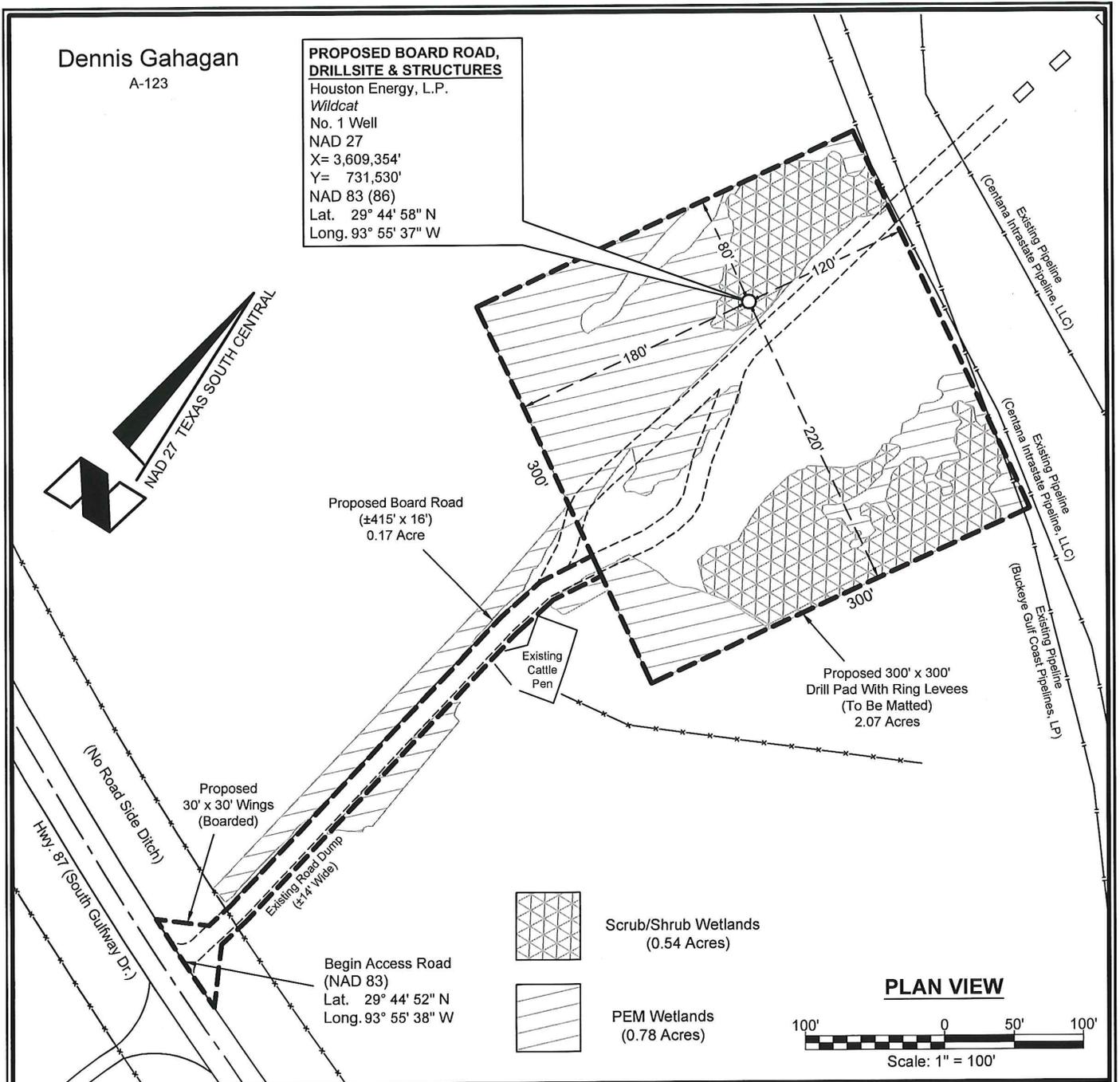
Steve M. Coleman
Professional Land Surveyor
Registration No. 5063

500' 0 250' 500'
Scale: 1" = 500'

HOUSTON ENERGY, L.P.
PROPOSED BOARD ROAD, DRILLSITE AND STRUCTURES
Wildcat Prospect
Dennis Gahagan Survey, A-123
Jefferson County, Texas

DRAWN BY: PBH	REVISED:	DATE: 03/08/2019
PROJ. MGR.: CS		SHEET 1 OF 4 SHEETS
FILENAME: T:\2018\2187848\DWG\Wild Cat COE.dwg		





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.



C. H. Fenstermaker & Associates, L.L.C.
5005 Riverway Drive, Suite 300
Houston, TX 77056
Ph. 713-840-9995 Fax. 713-840-9997
www.fenstermaker.com
TX Firm 100285-01

PRELIMINARY

THIS DOCUMENT SHALL NOT BE RECORDED FOR ANY PURPOSE AND SHALL NOT BE USED OR VIEWED OR RELIED UPON AS A FINAL SURVEY DOCUMENT

Steve M. Coleman
Professional Land Surveyor
Registration No. 5063

HOUSTON ENERGY, L.P.

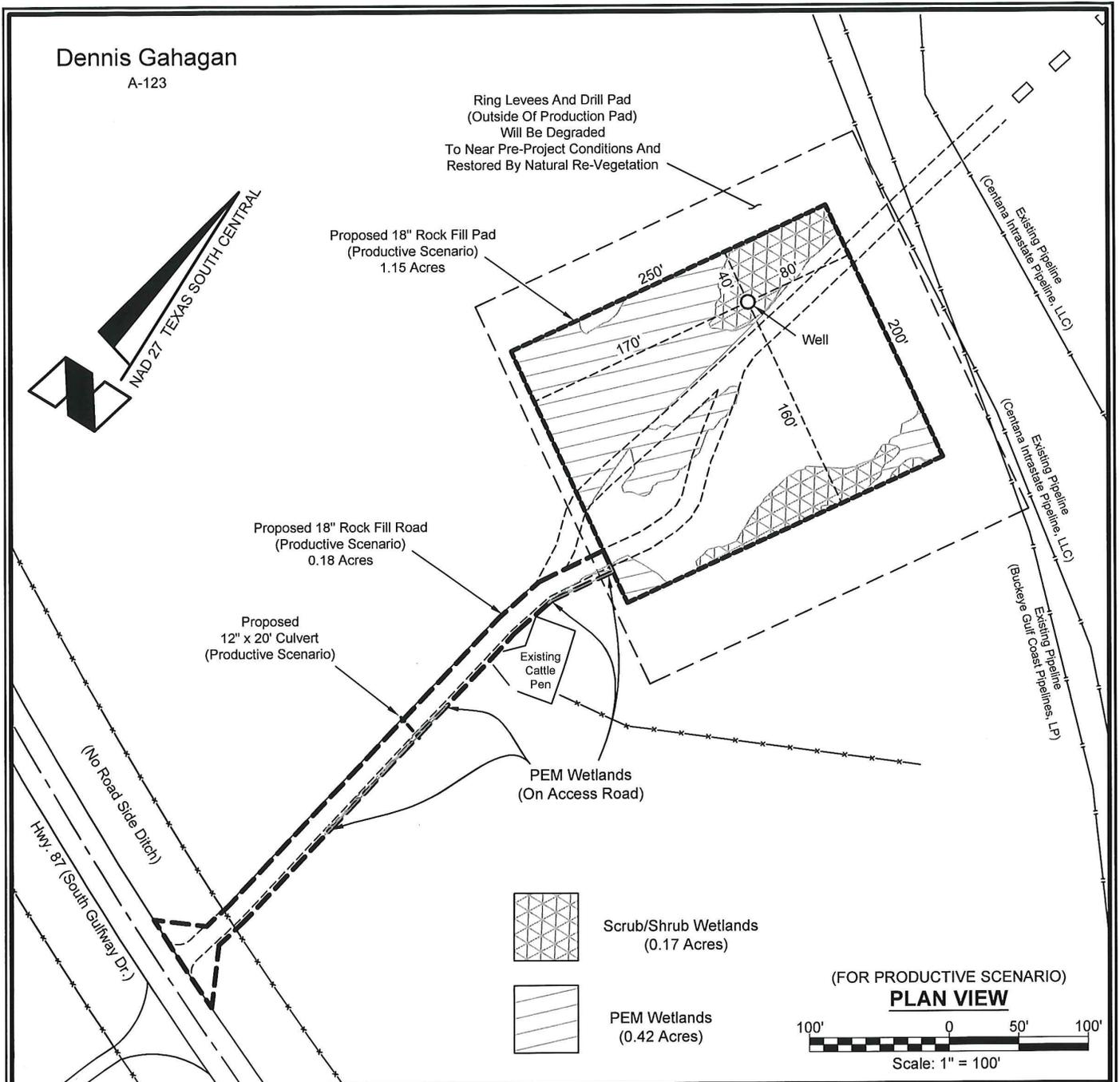
PROPOSED BOARD ROAD, DRILLSITE AND STRUCTURES

Wildcat Prospect

Dennis Gahagan Survey, A-123

Jefferson County, Texas

DRAWN BY: PBH	REVISED:	DATE: 03/08/2019
PROJ. MGR.: CS		SHEET 2 OF 4 SHEETS
FILENAME: T:\2018\2187848\DWG\Wild Cat COE.dwg		



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.



C. H. Fenstermaker & Associates, L.L.C.
5005 Riverway Drive, Suite 300
Houston, TX 77056
Ph. 713-840-9995 Fax. 713-840-9997
www.fenstermaker.com
TX Firm 100285-01

PRELIMINARY

THIS DOCUMENT SHALL NOT BE RECORDED FOR ANY PURPOSE AND SHALL NOT BE USED OR VIEWED OR RELIED UPON AS A FINAL SURVEY DOCUMENT

Steve M. Coleman
Professional Land Surveyor
Registration No. 5063

HOUSTON ENERGY, L.P.

PROPOSED BOARD ROAD, DRILLSITE AND STRUCTURES

Wildcat Prospect

Dennis Gahagan Survey, A-123

Jefferson County, Texas

DRAWN BY: PBH

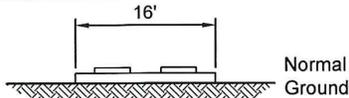
REVISED:

DATE: 03/08/2019

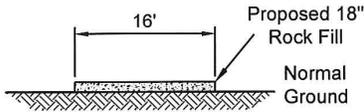
PROJ. MGR.: CS

SHEET 3 OF 4 SHEETS

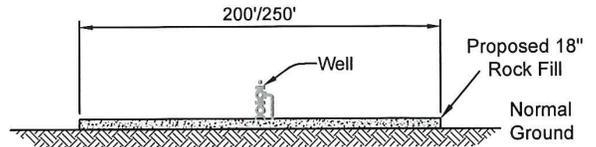
FILENAME: T:\2018\2187848\DWG\Wild Cat COE.dwg



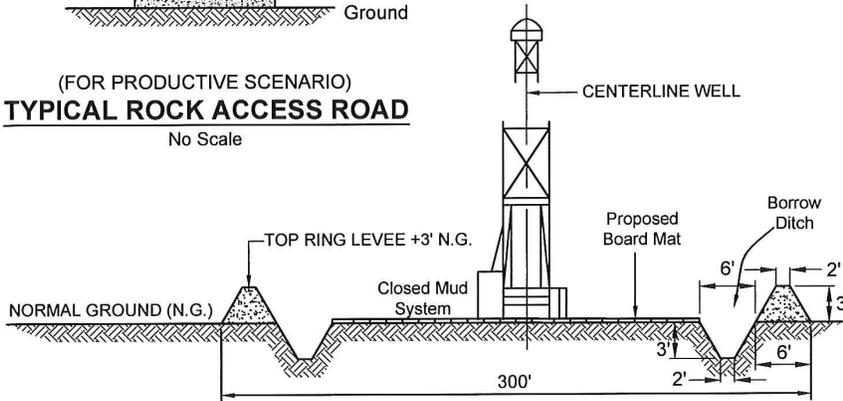
TYPICAL BOARD ROAD
No Scale



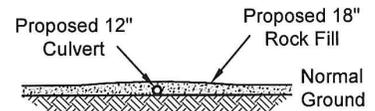
(FOR PRODUCTIVE SCENARIO)
TYPICAL ROCK ACCESS ROAD
No Scale



(FOR PRODUCTIVE SCENARIO)
TYPICAL ROCK PAD
No Scale



TYPICAL CROSS-SECTION OF DRILLSITE
No Scale



(FOR PRODUCTIVE SCENARIO)
TYPICAL CULVERT
No Scale

TOTAL FILL REQUIRED FOR RING LEVEES 533 CU. YDS.
TYPICAL ROCK FILL REQUIRED FOR PRODUCTIVE PAD SITE 2,777 CU. YDS.
TYPICAL ROCK FILL REQUIRED FOR PRODUCTIVE ACCESS ROAD 418 CU. YDS.

NOTES

1. Brush will be cleared from the drill pad. Cleared material will either be chipped and spread onsite or hauled off for disposal.
2. Material for the drill site levees will be excavated from within the leveed perimeter.
3. The well will be drilled using a closed mud system. Drilling residues will be hauled offsite for disposal at an approved facility.

NOTES - DRY HOLE SCENARIO

1. The boards will be removed from the access road and drill pad.
2. The drill site and ring levees will be degraded within 90-days following abandonment. The levee material will be deposited, to the maximum extent practicable, into the borrow areas from which the material was excavated and the area will be leveled to as near pre-project conditions as practicable.
3. The access road and drill pad site will be allowed to naturally re-vegetate. The project site will be monitored 90 and 180-days after restoration to determine the success of natural re-vegetation. If 50% of the impact area has not exhibited natural restoration, the applicant will coordinate with the Corps on re-planting with native grasses.

NOTES - PRODUCTIVE WELL SCENARIO

1. The boards will be removed from the drill site and access road. The drill site will be reduced to a production pad site of ± 200-ft. by 250-ft. Approximately 1.5-ft. of rock or gravel will be deposited on the access road and production pad.
2. Twelve inch culvert will be installed along the access road.
3. The ring levees will be degraded and the material will be deposited, to the maximum extent practicable, into the borrow areas from which the material was excavated and the area will be leveled to as near pre-project conditions as practicable.
4. The restored area at the drill site will be monitored 90 and 180-days after restoration to determine the success of natural re-vegetation. If 50% of the impact area has not exhibited natural restoration, the applicant will coordinate with the Corps on re-planting with native grasses.

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.



C. H. Fenstermaker & Associates, L.L.C.
5005 Riverway Drive, Suite 300
Houston, TX 77056
Ph. 713-840-9995 Fax. 713-840-9997
www.fenstermaker.com
TX Firm 100285-01

PRELIMINARY

THIS DOCUMENT SHALL NOT BE RECORDED FOR ANY PURPOSE AND SHALL NOT BE USED OR VIEWED OR RELIED UPON AS A FINAL SURVEY DOCUMENT

Steve M. Coleman
Professional Land Surveyor
Registration No. 5063

HOUSTON ENERGY, L.P.
PROPOSED BOARD ROAD, DRILLSITE AND STRUCTURES
Wildcat Prospect
Dennis Gahagan Survey, A-123
Jefferson County, Texas

DRAWN BY: PBH	REVISED:	DATE: 03/08/2019
PROJ. MGR.: CS		SHEET 4 OF 4 SHEETS
FILENAME: T:\2018\2187848\DWG\Wild Cat COE.dwg		