



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

June 27, 2022

Regulatory Division  
Central Evaluation Branch

James W. Little, Jr.  
(504) 862-1879  
James.little@usace.army.mil  
MVN 2021-01151-WII

## **PUBLIC NOTICE**

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

### **PROPOSED WELL PADS AND ACCESS ROADS TO DRILL AND OPERATE THREE NEW BRINE WELLS AT THE WHITE CASTLE SALT DOME FACILITY IN IBERVILLE PARISH**

**NAME OF APPLICANT:** Texas Brine Company, LLC, c/o Miller Engineers & Associates, Inc., Attn: Mr. Joel J. Miller, 601 Main Street, Franklin, Louisiana 70538.

**LOCATION OF WORK:** In Iberville Parish, North 30.126725, West -91.233769, on Ridge Road, approximately 2.9 miles from its intersection with Louisiana Highway 404, southwest of White Castle, Louisiana, in hydrologic unit (HUC 08070300, Lower Grand River), as shown on the attached drawings.

**CHARACTER OF WORK:** Clear, fill and grade three 400' by 300' well pads with access roads ranging from 30' by 200' to 30' by 400', to drill three new brine wells, the locations and roads will be filled with 33,822 cubic yards of earthen fill material and 5,668 cubic yards of limestone material. A Preliminary analysis has determined that the proposed project would directly impact 8.57 acres of forested wetlands.

The applicant states that the proposed project has been designed to avoid and minimize direct and secondary adverse impacts to the maximum extent practicable. Any further reduction in the well pads and access roads would not meet engineering construction standards at the project site, therefore rendering the project impracticable. As compensation for unavoidable wetland impacts, the applicant proposes to mitigate with in-kind wetland acres from a Corps approved mitigation bank located in the watershed.

The comment period for the Department of Army Permit will close in **20 days** from the date of this public notice, which is available for review online at <https://go.usa.gov/xennJ>. 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 and must be mailed so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number and preferably emailed to the Corps of Engineers project manager listed above or mailed to the Corps of Engineers at the address above, **ATTENTION: REGULATORY DIVISION, RGC, James W. Little, Jr.** Individuals or parties may request an extension of time in which to comment on the proposed work by writing or e-mailing the Corps of Engineers Project Manager listed above. Any request 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 to the initial comment period and inclusive of the initial comment period, 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 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 have No Effect on any species listed as endangered by the U.S. Departments of Interior and Commerce, nor affect any habitat designated as critical to the survival and recovery of any endangered species. Utilizing the Information & Planning Consultation for Endangered Species (IPaC) procedure, as signed on January 27, 2020, between the U.S. Army Corps of Engineers, New Orleans and U.S. Fish and Wildlife Service, Ecological Services Office, the Corps has determined that the proposed activity would have no effect on any listed species by letter dated 6 June 2022.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the destruction or alteration of up to N/A 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.

If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not violate water quality standards will be required from the Louisiana Department of Environmental Quality, Office of Environmental Services, before a permit is issued.

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

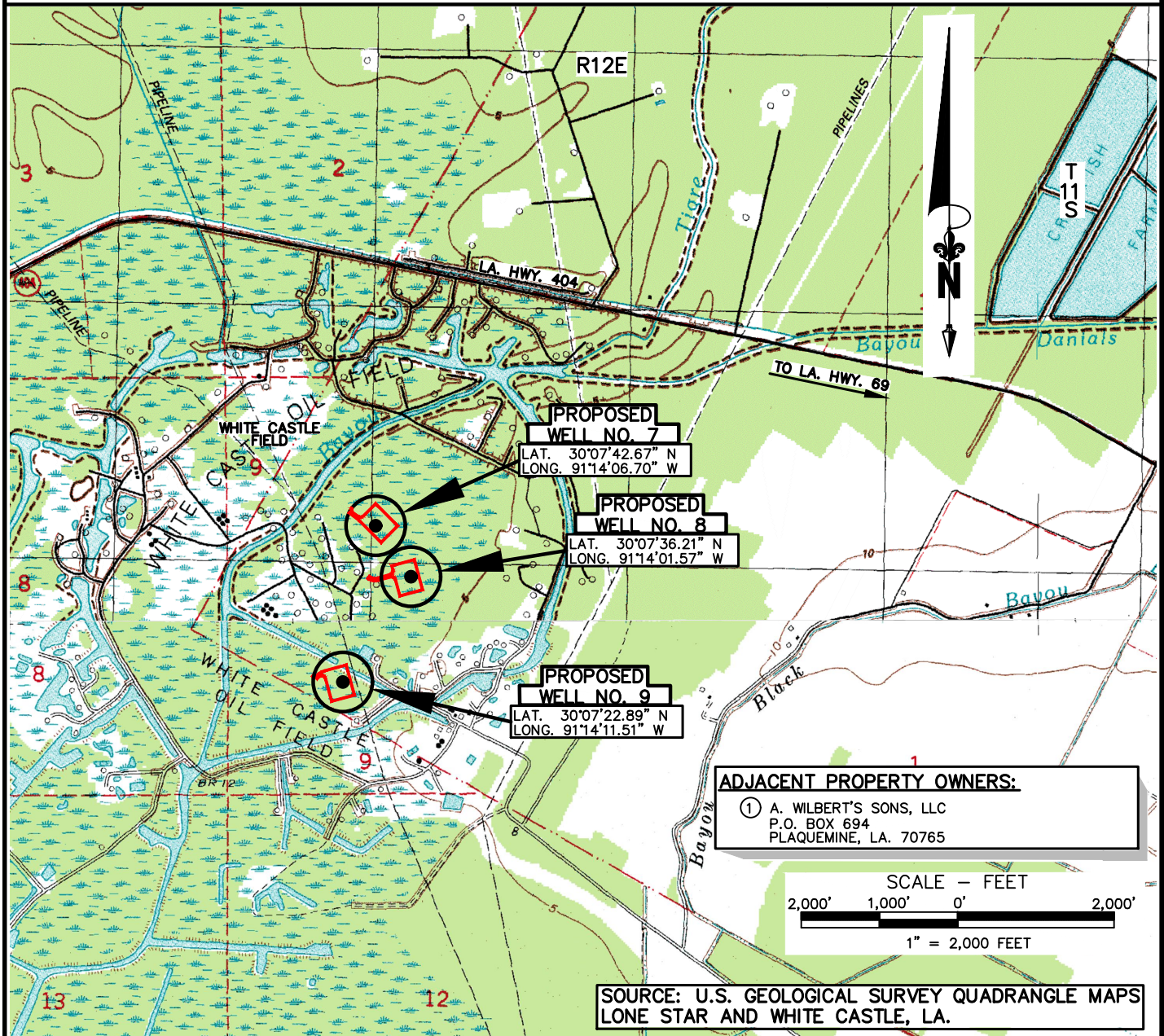
The applicant has certified that the proposed activity described in the application complies with and will be conducted in a manner that is consistent with the Louisiana Coastal Resources Program (Louisiana Coastal Zone Application P # 20210956). The Department of the Army permit will not be issued unless the applicant received approval or a waiver of the Coastal Use Permit by the Department of Natural Resources.

JOHN M. HERMAN  
Chief, Central Evaluation Branch  
Regulatory Division



# IBERVILLE PARISH, LOUISIANA

SEC. 1, T11S-R12E



## NOTE:

THIS DRAWING WAS PREPARED SOLELY FOR ACQUISITION OF REGULATORY PERMITS AND DO NOT REPRESENT ENGINEERING OR CONSTRUCTION PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED DATA ACQUIRED FROM ASSESSOR RECORDS AND DO NOT REPRESENT A BOUNDARY SURVEY.

\* SEE SHEET 17 OF 17 FOR GENERAL NOTES AND REFERENCES.

THIS DRAWING WAS PREPARED SOLELY FOR USE BY TEXAS BRINE CO. L.L.C., IN CONJUNCTION WITH THE SPECIFIC PROJECT DESIGNATED IN THE TITLE BLOCK. USE FOR ANY OTHER PURPOSE, OR USE BY ANY OTHER PARTY SHALL BE AT USER'S SOLE RISK WITHOUT ANY LIABILITY TO MILLER ENGINEERS & ASSOCIATES.

THIS DRAWING IS THE PROPERTY OF MILLER ENGINEERS & ASSOC., INC. AND ANY REVISIONS MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE SUPERVISING PROFESSIONAL WILL VOID THE SEAL WHICH HE HAS PLACED HEREON.

M.E. & A. DWG. NO. 14465 C.O.E. SHEET 1 OF 17

PREPARED BY:



Miller Engineers & Associates, Inc.

**PRELIMINARY**

FOR PERMITTING ONLY  
THIS DOCUMENT IS NOT TO BE USED  
FOR CONSTRUCTION, BIDDING, RECORDATION,  
CONVEYANCE OR SALES  
JOEL J. MILLER  
LA. LICENSE NO. 29638



TEXAS BRINE  
COMPANY, LLC

C.O.E. PERMIT APPLICATION FOR  
PROPOSED BRINE WELLS 7, 8 & 9

AT WHITE CASTLE FIELD  
**VICINITY MAP**


IBERVILLE PARISH  
LOUISIANA

SHEET 1 OF 20

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	8/23/21	ISSUED DRAWINGS	RG	JJM	JJM



IBERVILLE PARISH, LOUISIANA  
SEC. 1, T11S-R12E

-  DENOTES PFO PALUSTRINE FOREST WETLANDS (2.80 ACRES THIS SHEET)(PERM. IMPACTS)
- CROWN OF PAD & ACCESS ROAD
- ..... TOE OF FILL
- DENOTES PROPOSED PIPING (434') (THIS SHEET)  
(SEE SEC. "C-C" SHEET 7 OF 20 FOR PIPE SIZES)

FILL MATERIAL TO BE FILLED TO +5.5' EL. WELL PAD 7 &  
ACCESS RD. = (11,262 C.Y.)  
AREA OF WETLAND IMPACTS WELL PAD 7 & ACCESS RD.= (2.80 AC.)

FOR PROFILE SECTION "A-A"  
SEE SHEET 8 OF 20

FOR PROFILE SECTION "B-B"  
SEE SHEET 9 OF 20

FOR PROFILE SECTION "C-C"  
SEE SHEET 10 OF 20

EXISTING WELL PAD #6  
AUTHORIZED UNDER  
MVN-2005-02218-WII

EXISTING WELL PAD #2

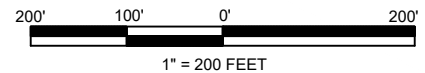
PROPOSED BRINE WELL #7  
N = 592,241.63  
E = 3,311,856.24  
(LA SPC SOUTH 83(11))  
LAT.= 30°07'42.67" N  
LONG.= 91°14'06.70" W  
(NAD 1983)

1% SLOPE TO  
SUMP AREA

CANAL BANK

NOTE:  
THE FORESTED WETLANDS WILL BE PERMANENTLY  
IMPACTED AS A RESULT OF THE PROPOSED  
PROJECT. THE TREES WILL BE REMOVED BY CHIPPING

SCALE - FEET



NOTE:  
THIS DRAWING WAS PREPARED SOLELY FOR  
ACQUISITION OF REGULATORY PERMITS AND DO  
NOT REPRESENT ENGINEERING OR CONSTRUCTION  
PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED  
DATA ACQUIRED FROM ASSESSOR RECORDS AND DO  
NOT REPRESENT A BOUNDARY SURVEY.

\* SEE SHEET 20 OF 20 FOR GENERAL  
NOTES AND REFERENCES.

THIS DRAWING WAS PREPARED SOLELY FOR USE BY TEXAS BRINE CO. L.L.C.,  
IN CONJUNCTION WITH THE SPECIFIC PROJECT DESIGNATED  
IN THE TITLE BLOCK. USE FOR ANY OTHER PURPOSE, OR USE BY ANY OTHER  
PARTY SHALL BE AT USER'S SOLE RISK WITHOUT ANY LIABILITY TO MILLER  
ENGINEERS & ASSOCIATES.

THIS DRAWING IS THE PROPERTY OF MILLER ENGINEERS & ASSOC., INC. AND ANY  
REVISIONS MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE SUPERVISING  
PROFESSIONAL WILL VOID THE SEAL WHICH HE HAS PLACED HEREON.

M.E. & A. DWG. NO. 14465 C.O.E. SHEET 2 OF 20

PREPARED BY:

  
Miller Engineers & Associates, Inc.

**PRELIMINARY**

FOR PERMITTING ONLY  
THIS DOCUMENT IS NOT TO BE USED  
FOR CONSTRUCTION, BIDDING, RECORDATION,  
CONVEYANCE OR SALES  
JOEL J. MILLER  
LA. LICENSE NO. 29638



TEXAS BRINE  
COMPANY, LLC

C.O.E. PERMIT APPLICATION FOR  
PROPOSED BRINE WELLS 7, 8 & 9  
AT WHITE CASTLE FIELD



**PROPOSED BRINE WELL #7**

IBERVILLE PARISH  
LOUISIANA

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	8/23/21	ISSUED DRAWINGS	RG	JJM	JJM

SHEET 2 OF 20

IBERVILLE PARISH, LOUISIANA  
SEC. 1, T11S-R12E

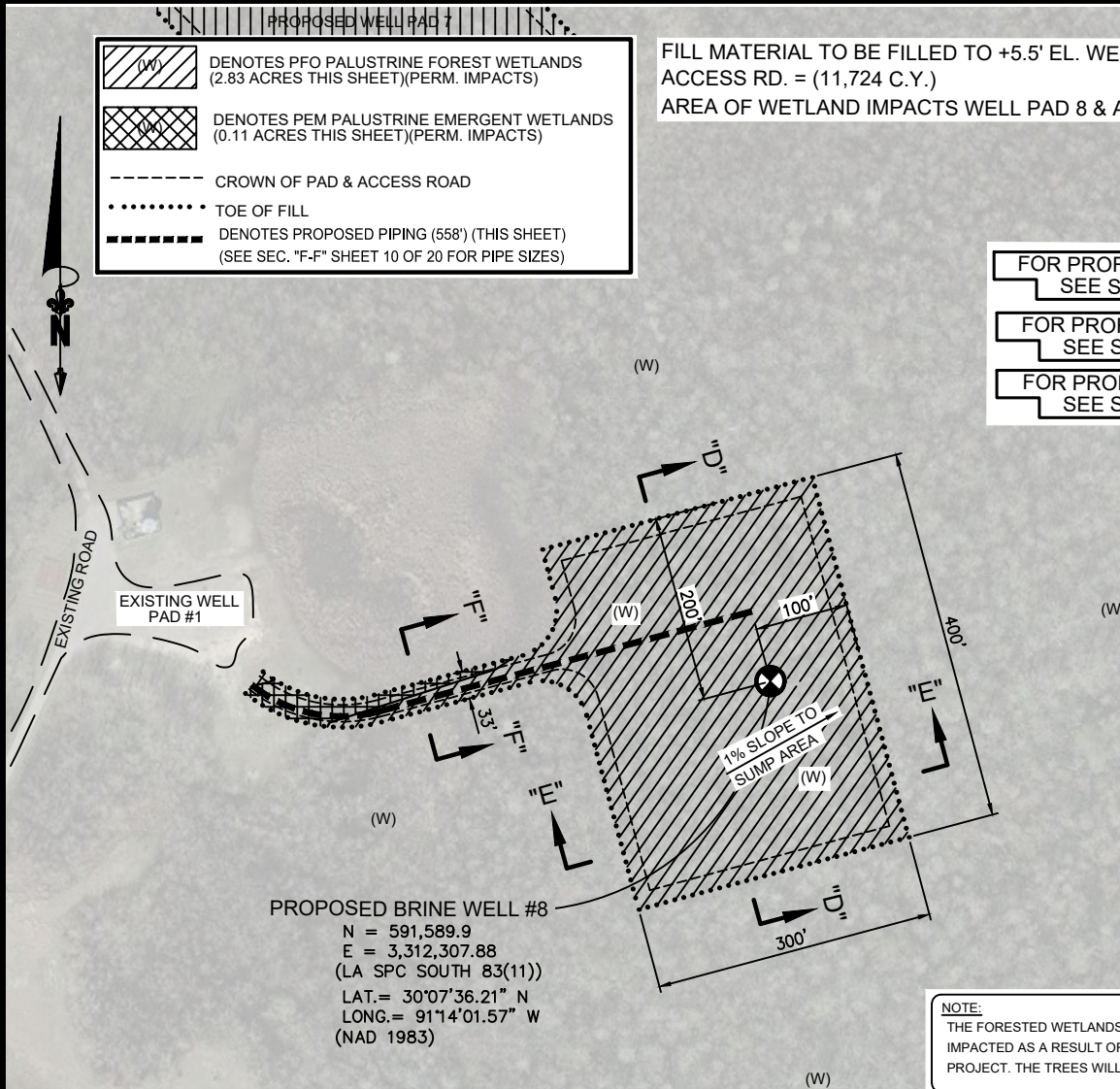
- PROPOSED WELL PAD
-  DENOTES PFO PALUSTRINE FOREST WETLANDS (2.83 ACRES THIS SHEET)(PERM. IMPACTS)
  -  DENOTES PEM PALUSTRINE EMERGENT WETLANDS (0.11 ACRES THIS SHEET)(PERM. IMPACTS)
  - CROWN OF PAD & ACCESS ROAD
  - ..... TOE OF FILL
  - DENOTES PROPOSED PIPING (558") (THIS SHEET)  
(SEE SEC. "F-F" SHEET 10 OF 20 FOR PIPE SIZES)

FILL MATERIAL TO BE FILLED TO +5.5' EL. WELL PAD 8 &  
ACCESS RD. = (11,724 C.Y.)  
AREA OF WETLAND IMPACTS WELL PAD 8 & ACCESS RD.= (2.94 AC.)

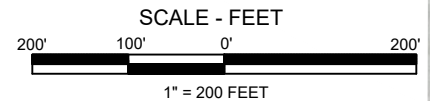
FOR PROFILE SECTION "D-D"  
SEE SHEET 11 OF 20

FOR PROFILE SECTION "E-E"  
SEE SHEET 12 OF 20

FOR PROFILE SECTION "F-F"  
SEE SHEET 13 OF 20



NOTE:  
THE FORESTED WETLANDS WILL BE PERMANENTLY  
IMPACTED AS A RESULT OF THE PROPOSED  
PROJECT. THE TREES WILL BE REMOVED BY CHIPPING



NOTE:  
THIS DRAWING WAS PREPARED SOLELY FOR  
ACQUISITION OF REGULATORY PERMITS AND DO  
NOT REPRESENT ENGINEERING OR CONSTRUCTION  
PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED  
DATA ACQUIRED FROM ASSESSOR RECORDS AND DO  
NOT REPRESENT A BOUNDARY SURVEY.

\* SEE SHEET 20 OF 20 FOR GENERAL  
NOTES AND REFERENCES.

THIS DRAWING WAS PREPARED SOLELY FOR USE BY TEXAS BRINE CO. L.L.C.,  
IN CONJUNCTION WITH THE SPECIFIC PROJECT DESIGNATED  
IN THE TITLE BLOCK. USE FOR ANY OTHER PURPOSE, OR USE BY ANY OTHER  
PARTY SHALL BE AT USER'S SOLE RISK WITHOUT ANY LIABILITY TO MILLER  
ENGINEERS & ASSOCIATES.

THIS DRAWING IS THE PROPERTY OF MILLER ENGINEERS & ASSOC., INC. AND ANY  
REVISIONS MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE SUPERVISING  
PROFESSIONAL WILL VOID THE SEAL WHICH HE HAS PLACED HEREON.

M.E. & A. DWG. NO. 14465 C.O.E. SHEET 3 OF 20

PREPARED BY:



Miller Engineers & Associates, Inc.

**PRELIMINARY**

FOR PERMITTING ONLY  
THIS DOCUMENT IS NOT TO BE USED  
FOR CONSTRUCTION, BIDDING, RECORDATION,  
CONVEYANCE OR SALES  
JOEL J. MILLER  
LA. LICENSE NO. 29638



TEXAS BRINE  
COMPANY, LLC

C.O.E. PERMIT APPLICATION FOR  
PROPOSED BRINE WELLS 7, 8 & 9  
AT WHITE CASTLE FIELD

**PROPOSED BRINE WELL #8**

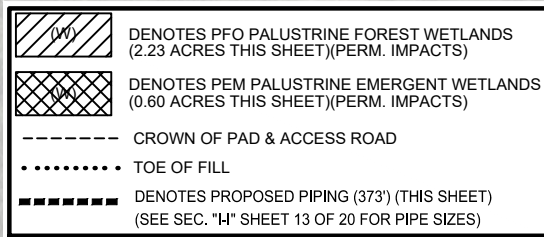
IBERVILLE PARISH  
LOUISIANA

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	8/23/21	ISSUED DRAWINGS	RG	JJM	JJM

SHEET 3 OF 20



IBERVILLE PARISH, LOUISIANA  
SEC. 1, T11S-R12E



FILL MATERIAL TO BE FILLED TO +5.5' EL. WELL PAD 9 & ACCESS RD. = (10,836 C.Y.)  
AREA OF WETLAND IMPACTS WELL PAD 9 & ACCESS RD.= (2.83 AC.)

FOR PROFILE SECTION "G-G"  
SEE SHEET 14 OF 20

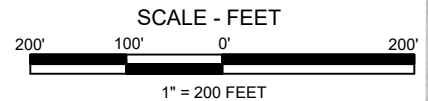
FOR PROFILE SECTION "H-H"  
SEE SHEET 15 OF 20

FOR PROFILE SECTION "I-I"  
SEE SHEET 16 OF 20

EXISTING WELL PAD #12  
AUTHORIZED UNDER  
MVN-2008-2169-CQ

PROPOSED BRINE WELL #9  
N = 590,243.60  
E = 3,311,435.76  
(LA SPC SOUTH 83(11))  
LAT.= 30°07'22.89" N  
LONG.= 91°14'11.51" W  
(NAD 1983)

NOTE:  
THE FORESTED WETLANDS WILL BE PERMANENTLY  
IMPACTED AS A RESULT OF THE PROPOSED  
PROJECT. THE TREES WILL BE REMOVED BY CHIPPING



NOTE:  
THIS DRAWING WAS PREPARED SOLELY FOR  
ACQUISITION OF REGULATORY PERMITS AND DO  
NOT REPRESENT ENGINEERING OR CONSTRUCTION  
PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED  
DATA ACQUIRED FROM ASSESSOR RECORDS AND DO  
NOT REPRESENT A BOUNDARY SURVEY.

\* SEE SHEET 20 OF 20 FOR GENERAL  
NOTES AND REFERENCES.

THIS DRAWING WAS PREPARED SOLELY FOR USE BY TEXAS BRINE CO. L.L.C.,  
IN CONJUNCTION WITH THE SPECIFIC PROJECT DESIGNATED  
IN THE TITLE BLOCK. USE FOR ANY OTHER PURPOSE, OR USE BY ANY OTHER  
PARTY SHALL BE AT USER'S SOLE RISK WITHOUT ANY LIABILITY TO MILLER  
ENGINEERS & ASSOCIATES.

THIS DRAWING IS THE PROPERTY OF MILLER ENGINEERS & ASSOC., INC. AND ANY  
REVISIONS MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE SUPERVISING  
PROFESSIONAL WILL VOID THE SEAL WHICH HE HAS PLACED HEREON.

M.E. & A. DWG. NO. 14465 C.O.E. SHEET 4 OF 20

PREPARED BY:



Miller Engineers & Associates, Inc.

**PRELIMINARY**

FOR PERMITTING ONLY  
THIS DOCUMENT IS NOT TO BE USED  
FOR CONSTRUCTION, BIDDING, RECORDATION,  
CONVEYANCE OR SALES  
JOEL J. MILLER  
LA. LICENSE NO. 29638



TEXAS BRINE  
COMPANY, LLC

C.O.E. PERMIT APPLICATION FOR  
PROPOSED BRINE WELLS 7, 8 & 9  
AT WHITE CASTLE FIELD

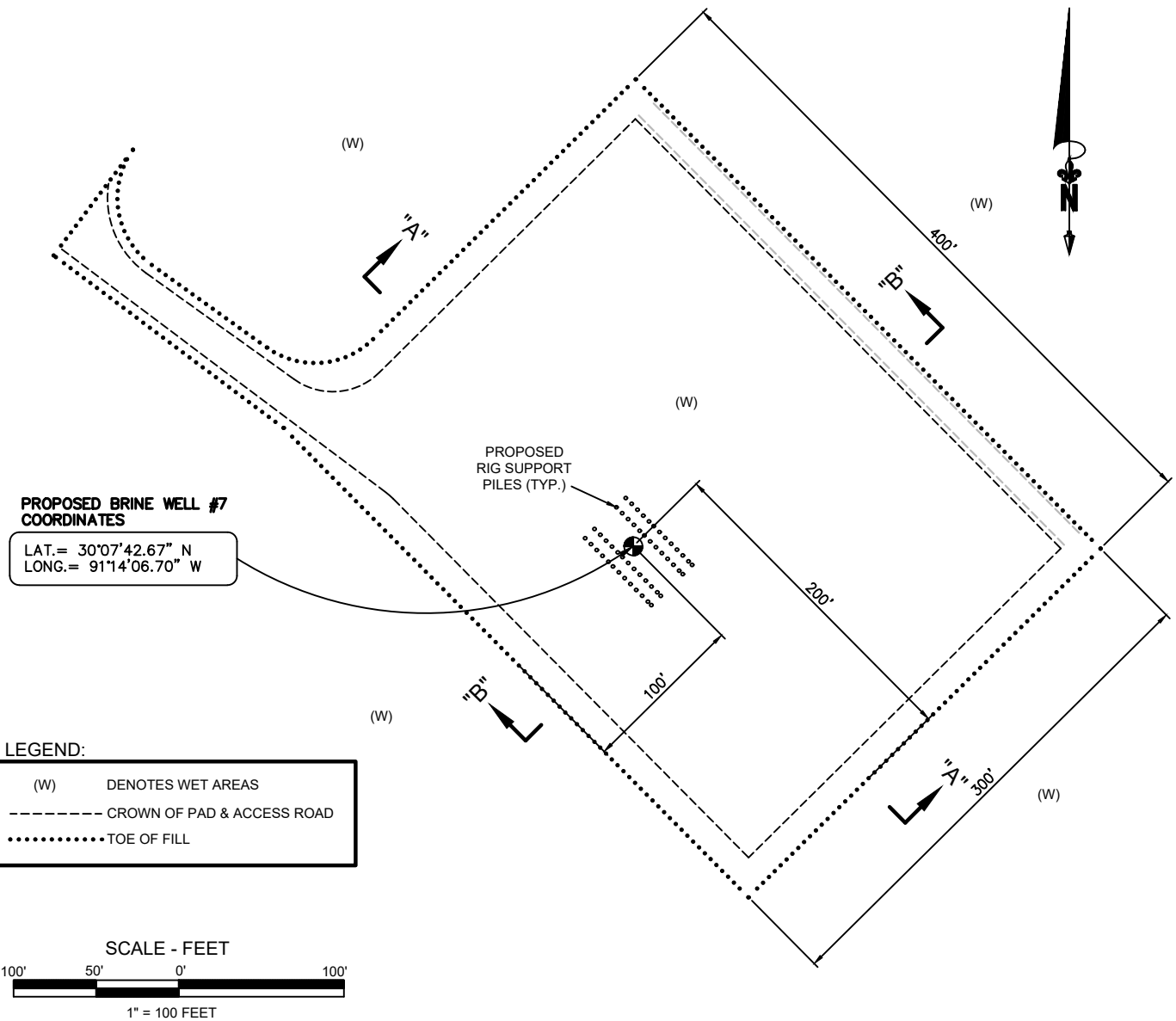
**PROPOSED BRINE WELL #9**

IBERVILLE PARISH  
LOUISIANA

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	8/23/21	ISSUED DRAWINGS	RG	JJM	JJM

SHEET 4 OF 20

IBERVILLE PARISH, LOUISIANA  
SEC. 1, T11S-R12E



**NOTE:**  
THIS DRAWING WAS PREPARED SOLELY FOR ACQUISITION OF REGULATORY PERMITS AND DO NOT REPRESENT ENGINEERING OR CONSTRUCTION PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED DATA ACQUIRED FROM ASSESSOR RECORDS AND DO NOT REPRESENT A BOUNDARY SURVEY.

\* SEE SHEET 20 OF 20 FOR GENERAL NOTES AND REFERENCES.

THIS DRAWING WAS PREPARED SOLELY FOR USE BY TEXAS BRINE CO. L.L.C., IN CONJUNCTION WITH THE SPECIFIC PROJECT DESIGNATED IN THE TITLE BLOCK. USE FOR ANY OTHER PURPOSE, OR USE BY ANY OTHER PARTY SHALL BE AT USER'S SOLE RISK WITHOUT ANY LIABILITY TO MILLER ENGINEERS & ASSOCIATES.

THIS DRAWING IS THE PROPERTY OF MILLER ENGINEERS & ASSOC., INC. AND ANY REVISIONS MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE SUPERVISING PROFESSIONAL WILL VOID THE SEAL WHICH HE HAS PLACED HEREON.

M.E. & A. DWG. NO. 14465 C.O.E. SHEET 5 OF 20

PREPARED BY:



**PRELIMINARY**

FOR PERMITTING ONLY  
THIS DOCUMENT IS NOT TO BE USED  
FOR CONSTRUCTION, BIDDING, RECORDATION,  
CONVEYANCE OR SALES  
JOEL J. MILLER  
LA. LICENSE NO. 29638



TEXAS BRINE  
COMPANY, LLC

C.O.E. PERMIT APPLICATION FOR  
PROPOSED BRINE WELLS 7, 8 & 9  
AT WHITE CASTLE FIELD

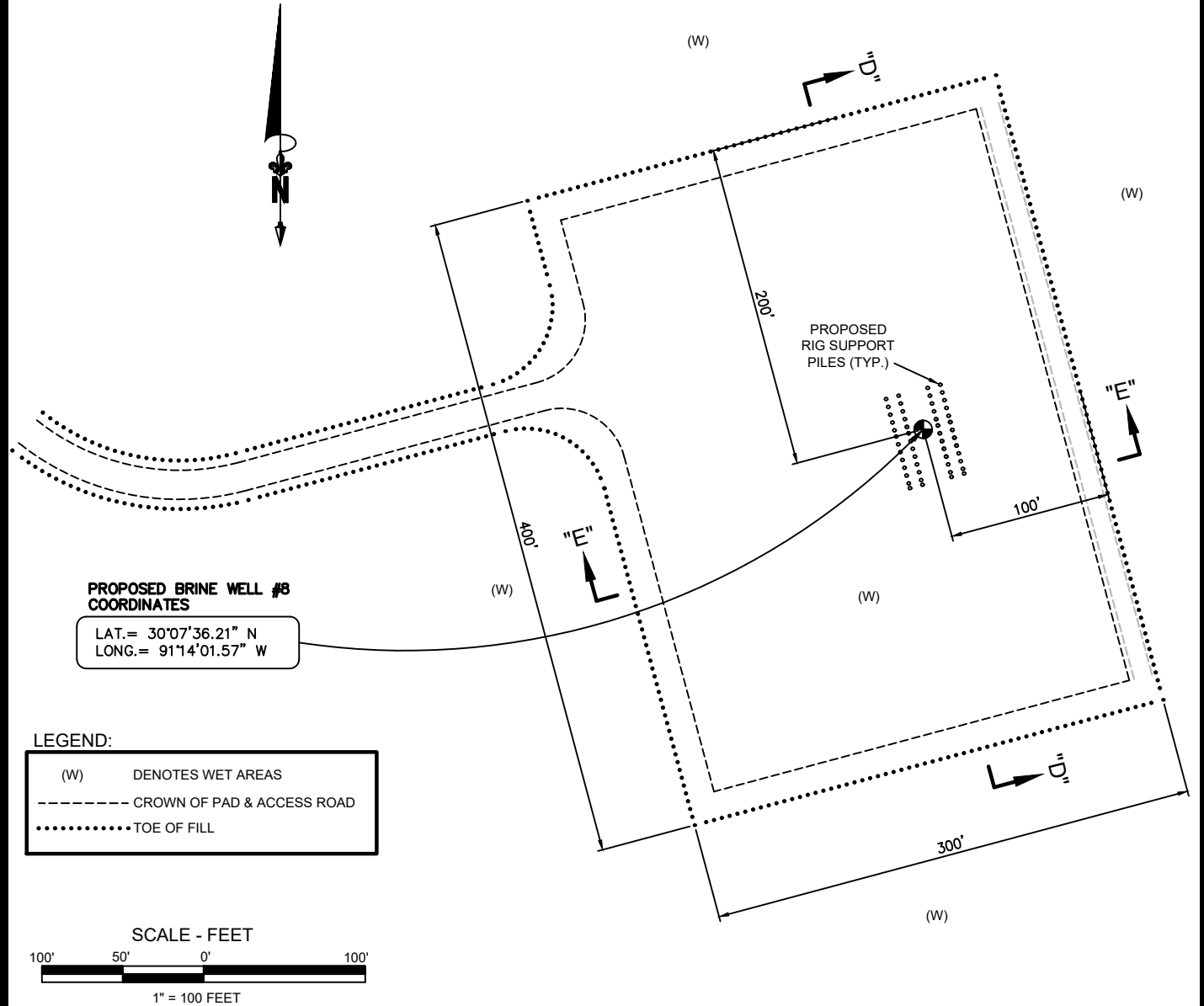
**PROPOSED BRINE WELL #7**  
(RIG LAYOUT)  
IBERVILLE PARISH  
LOUISIANA

SHEET 5 OF 20

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	8/23/21	ISSUED DRAWINGS	RG	JJM	JJM



IBERVILLE PARISH, LOUISIANA  
SEC. 1, T11S-R12E



**NOTE:**  
THIS DRAWING WAS PREPARED SOLELY FOR ACQUISITION OF REGULATORY PERMITS AND DO NOT REPRESENT ENGINEERING OR CONSTRUCTION PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED DATA ACQUIRED FROM ASSESSOR RECORDS AND DO NOT REPRESENT A BOUNDARY SURVEY.

\* SEE SHEET 20 OF 20 FOR GENERAL NOTES AND REFERENCES.

THIS DRAWING WAS PREPARED SOLELY FOR USE BY TEXAS BRINE CO. L.L.C., IN CONJUNCTION WITH THE SPECIFIC PROJECT DESIGNATED IN THE TITLE BLOCK. USE FOR ANY OTHER PURPOSE, OR USE BY ANY OTHER PARTY SHALL BE AT USER'S SOLE RISK WITHOUT ANY LIABILITY TO MILLER ENGINEERS & ASSOCIATES.

THIS DRAWING IS THE PROPERTY OF MILLER ENGINEERS & ASSOC., INC. AND ANY REVISIONS MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE SUPERVISING PROFESSIONAL WILL VOID THE SEAL WHICH HE HAS PLACED HEREON.

M.E. & A. DWG. NO. 14465 C.O.E. SHEET 6 OF 20

PREPARED BY:



Miller Engineers & Associates, Inc.

**PRELIMINARY**

FOR PERMITTING ONLY  
THIS DOCUMENT IS NOT TO BE USED  
FOR CONSTRUCTION, BIDDING, RECORDATION,  
CONVEYANCE OR SALES  
JOEL J. MILLER  
LA. LICENSE NO. 29638



TEXAS BRINE  
COMPANY, LLC

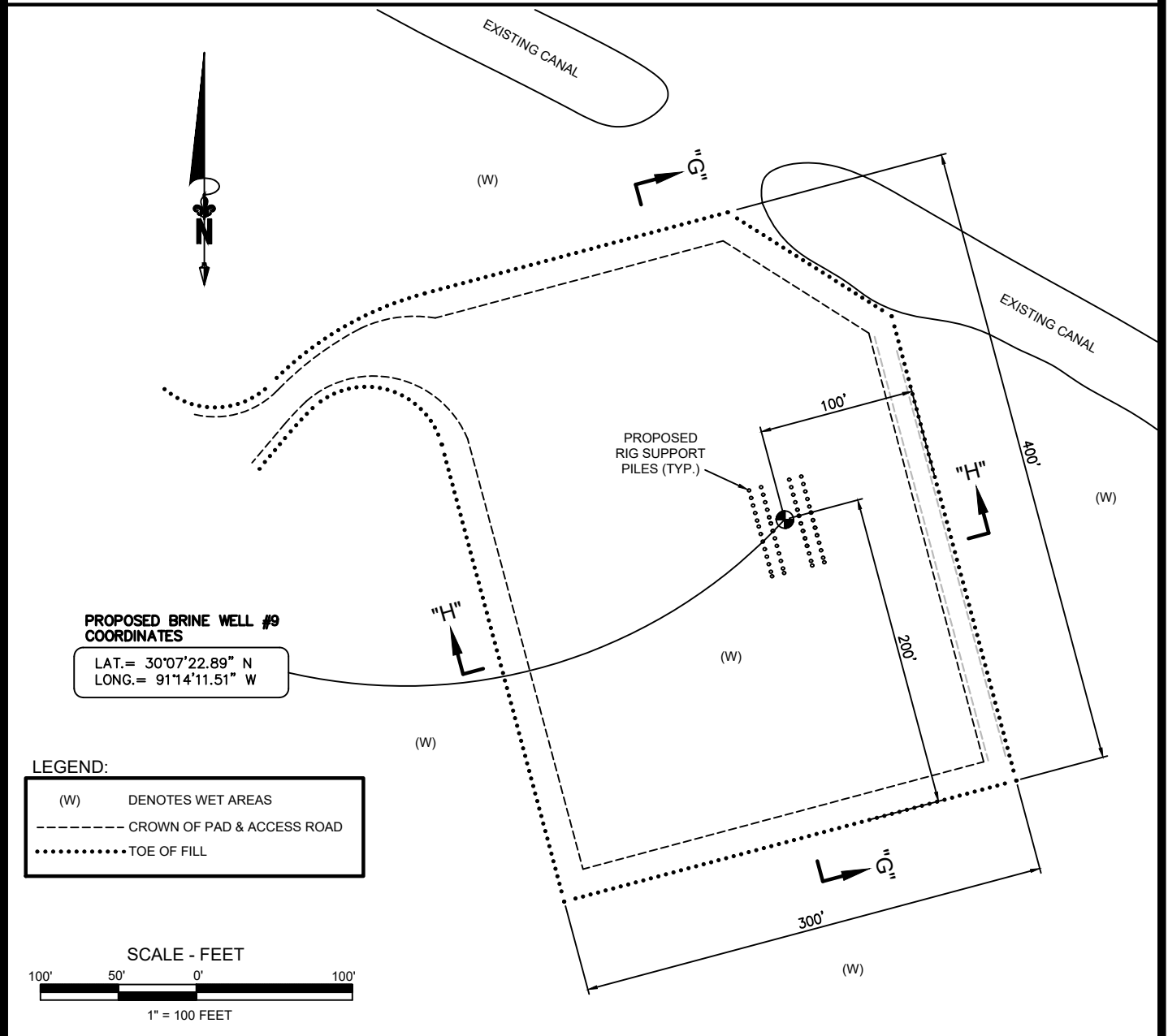
C.O.E. PERMIT APPLICATION FOR  
PROPOSED BRINE WELLS 7, 8 & 9  
AT WHITE CASTLE FIELD

**PROPOSED BRINE WELL #8**  
(RIG LAYOUT)  
IBERVILLE PARISH  
LOUISIANA

SHEET 6 OF 20

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	8/23/21	ISSUED DRAWINGS	RG	JJM	JJM

IBERVILLE PARISH, LOUISIANA  
SEC. 1, T11S-R12E



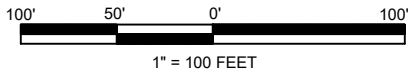
**PROPOSED BRINE WELL #9  
COORDINATES**

LAT.= 30°07'22.89" N  
LONG.= 91°14'11.51" W

**LEGEND:**

- (W) DENOTES WET AREAS
- CROWN OF PAD & ACCESS ROAD
- ..... TOE OF FILL

**SCALE - FEET**



**NOTE:**

THIS DRAWING WAS PREPARED SOLELY FOR ACQUISITION OF REGULATORY PERMITS AND DO NOT REPRESENT ENGINEERING OR CONSTRUCTION PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED DATA ACQUIRED FROM ASSESSOR RECORDS AND DO NOT REPRESENT A BOUNDARY SURVEY.

- \* SEE SHEET 20 OF 20 FOR GENERAL NOTES AND REFERENCES.

THIS DRAWING WAS PREPARED SOLELY FOR USE BY TEXAS BRINE CO. L.L.C., IN CONJUNCTION WITH THE SPECIFIC PROJECT DESIGNATED IN THE TITLE BLOCK. USE FOR ANY OTHER PURPOSE, OR USE BY ANY OTHER PARTY SHALL BE AT USER'S SOLE RISK WITHOUT ANY LIABILITY TO MILLER ENGINEERS & ASSOCIATES.

THIS DRAWING IS THE PROPERTY OF MILLER ENGINEERS & ASSOC., INC. AND ANY REVISIONS MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE SUPERVISING PROFESSIONAL WILL VOID THE SEAL WHICH HE HAS PLACED HEREON.

M.E. & A. DWG. NO. 14465 C.O.E. SHEET 7 OF 20

PREPARED BY:



Miller Engineers & Associates, Inc.

**PRELIMINARY**

FOR PERMITTING ONLY  
THIS DOCUMENT IS NOT TO BE USED  
FOR CONSTRUCTION, BIDDING, RECORDATION,  
CONVEYANCE OR SALES  
JOEL J. MILLER  
LA. LICENSE NO. 29638



TEXAS BRINE  
COMPANY, LLC

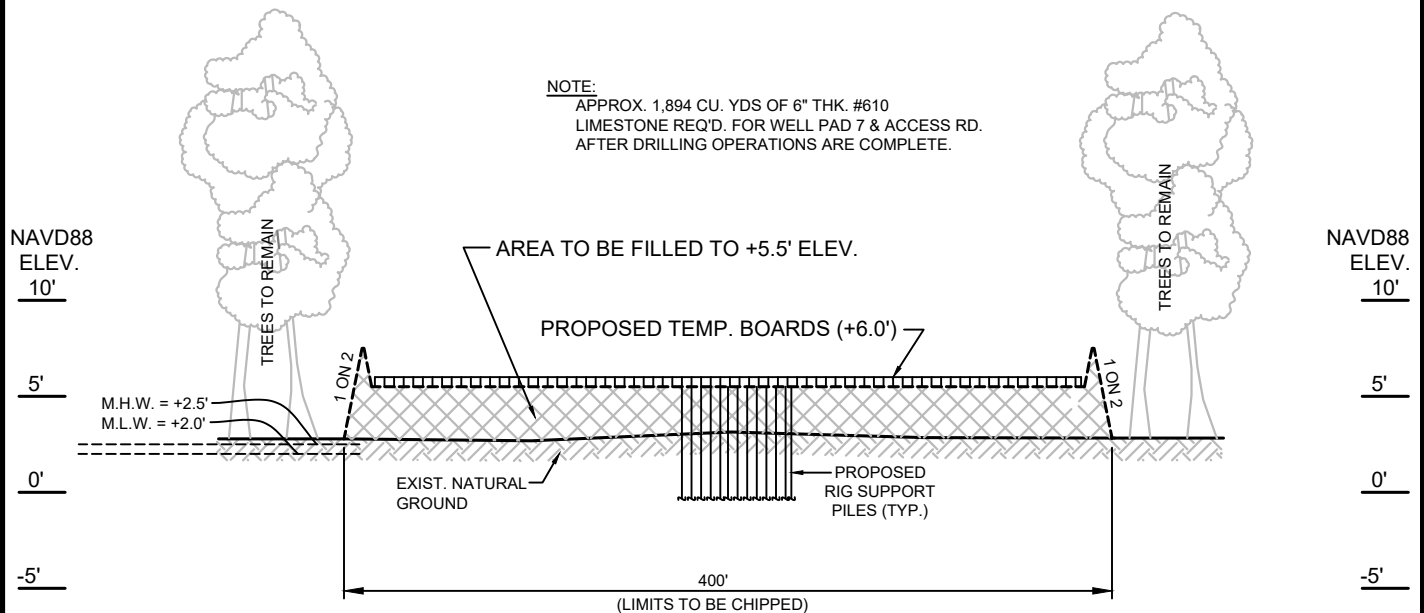
C.O.E. PERMIT APPLICATION FOR  
PROPOSED BRINE WELLS 7, 8 & 9  
AT WHITE CASTLE FIELD

**PROPOSED BRINE WELL #9  
(RIG LAYOUT)**  
IBERVILLE PARISH  
LOUISIANA

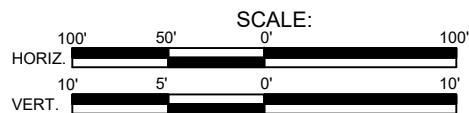
SHEET 7 OF 20

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	8/23/21	ISSUED DRAWINGS	RG	JJM	JJM

IBERVILLE PARISH, LOUISIANA  
SEC. 1, T11S-R12E



**TYPICAL SECTION "A-A"**  
**PROPOSED WELL PAD 7 (LOOKING NORTHEAST)**



**NOTES:**

1. DITCHES ON PROPOSED PAD SHALL SLOPE TO A RETAINING SUMP AREA AND ANY RUN OFF SHALL BE REMOVED FROM SITE.
2. SUMP, DITCHES & RING LEVEE ARE TEMPORARY FOR DRILLING OPERATIONS AND REMOVED AFTER COMPLETION OF DRILLING.

**NOTE:**

THIS DRAWING WAS PREPARED SOLELY FOR ACQUISITION OF REGULATORY PERMITS AND DO NOT REPRESENT ENGINEERING OR CONSTRUCTION PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED DATA ACQUIRED FROM ASSESSOR RECORDS AND DO NOT REPRESENT A BOUNDARY SURVEY.

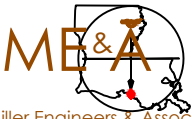
\* SEE SHEET 20 OF 20 FOR GENERAL NOTES AND REFERENCES.

THIS DRAWING WAS PREPARED SOLELY FOR USE BY TEXAS BRINE CO. L.L.C., IN CONJUNCTION WITH THE SPECIFIC PROJECT DESIGNATED IN THE TITLE BLOCK. USE FOR ANY OTHER PURPOSE, OR USE BY ANY OTHER PARTY SHALL BE AT USER'S SOLE RISK WITHOUT ANY LIABILITY TO MILLER ENGINEERS & ASSOCIATES.

THIS DRAWING IS THE PROPERTY OF MILLER ENGINEERS & ASSOC., INC. AND ANY REVISIONS MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE SUPERVISING PROFESSIONAL WILL VOID THE SEAL WHICH HE HAS PLACED HEREON.

M.E. & A. DWG. NO. 14465 C.O.E. SHEET 8 OF 20

PREPARED BY:



Miller Engineers & Associates, Inc.

**PRELIMINARY**

FOR PERMITTING ONLY  
THIS DOCUMENT IS NOT TO BE USED  
FOR CONSTRUCTION, BIDDING, RECORDATION,  
CONVEYANCE OR SALES  
JOEL J. MILLER  
LA. LICENSE NO. 29638



TEXAS BRINE  
COMPANY, LLC

C.O.E. PERMIT APPLICATION FOR  
PROPOSED BRINE WELLS 7, 8 & 9  
AT WHITE CASTLE FIELD

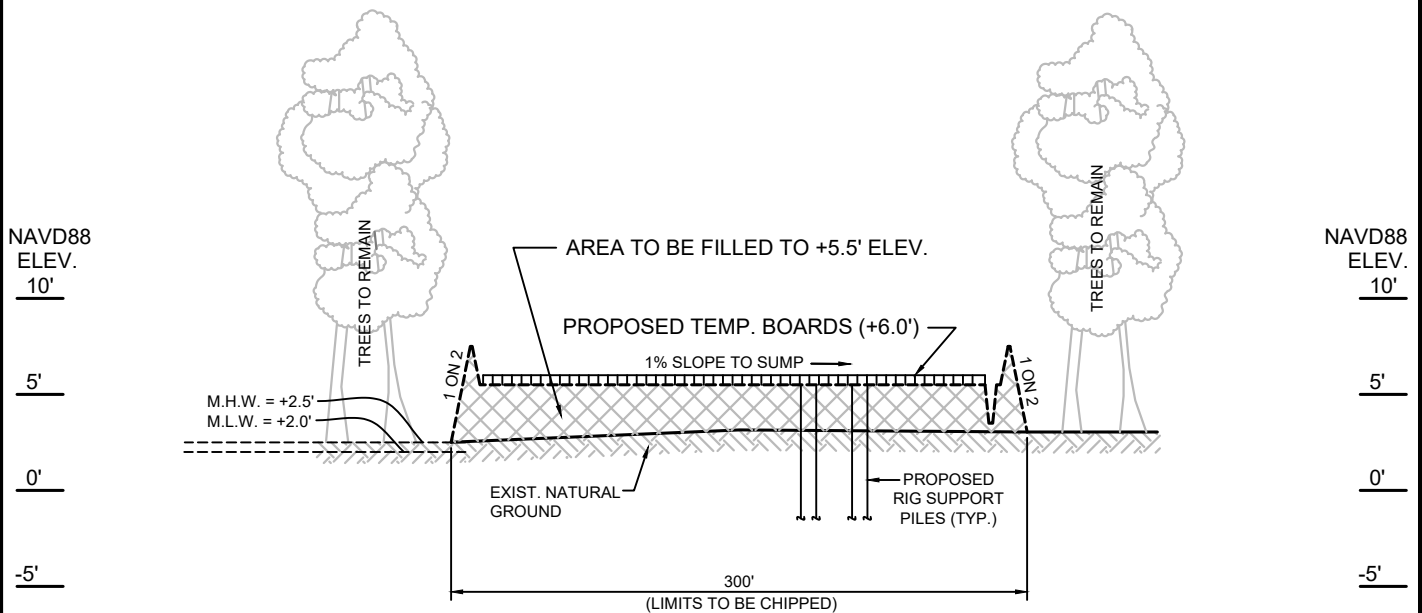
**TYPICAL SEC. "A-A"**  
**PROPOSED WELL PAD 7**  
IBERVILLE PARISH  
LOUISIANA

SHEET 8 OF 20

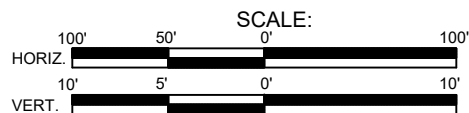
REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	8/23/21	ISSUED DRAWINGS	RG	JJM	JJM



IBERVILLE PARISH, LOUISIANA  
SEC. 1, T11S-R12E



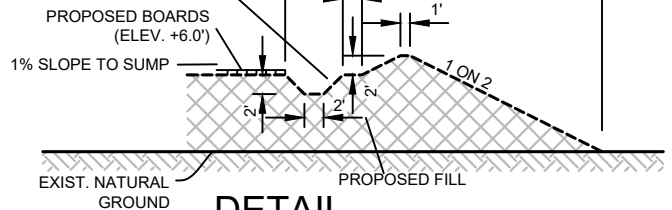
**TYPICAL SECTION "B-B"**  
**PROPOSED WELL PAD 7 (LOOKING NORTHWEST)**



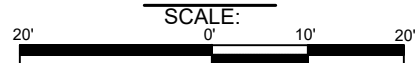
**NOTES:**

1. DITCHES ON PROPOSED PAD SHALL SLOPE TO A RETAINING SUMP AREA AND ANY RUN OFF SHALL BE REMOVED FROM SITE.
2. SUMP, DITCHES & RING LEVEE ARE TEMPORARY FOR DRILLING OPERATIONS AND REMOVED AFTER COMPLETION OF DRILLING.

**PROPOSED RING LEVEE & DITCH**



**DETAIL**



**NOTE:**

THIS DRAWING WAS PREPARED SOLELY FOR ACQUISITION OF REGULATORY PERMITS AND DO NOT REPRESENT ENGINEERING OR CONSTRUCTION PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED DATA ACQUIRED FROM ASSESSOR RECORDS AND DO NOT REPRESENT A BOUNDARY SURVEY.

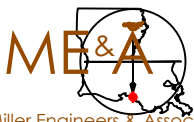
\* SEE SHEET 20 OF 20 FOR GENERAL NOTES AND REFERENCES.

THIS DRAWING WAS PREPARED SOLELY FOR USE BY TEXAS BRINE CO. L.L.C., IN CONJUNCTION WITH THE SPECIFIC PROJECT DESIGNATED IN THE TITLE BLOCK. USE FOR ANY OTHER PURPOSE, OR USE BY ANY OTHER PARTY SHALL BE AT USER'S SOLE RISK WITHOUT ANY LIABILITY TO MILLER ENGINEERS & ASSOCIATES.

THIS DRAWING IS THE PROPERTY OF MILLER ENGINEERS & ASSOC., INC. AND ANY REVISIONS MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE SUPERVISING PROFESSIONAL WILL VOID THE SEAL WHICH HE HAS PLACED HEREON.

M.E. & A. DWG. NO. 14465 C.O.E. SHEET 9 OF 20

PREPARED BY:



Miller Engineers & Associates, Inc.

**PRELIMINARY**

FOR PERMITTING ONLY  
THIS DOCUMENT IS NOT TO BE USED  
FOR CONSTRUCTION, BIDDING, RECORDATION,  
CONVEYANCE OR SALES  
JOEL J. MILLER  
LA. LICENSE NO. 29638



TEXAS BRINE  
COMPANY, LLC

C.O.E. PERMIT APPLICATION FOR  
PROPOSED BRINE WELLS 7, 8 & 9  
AT WHITE CASTLE FIELD

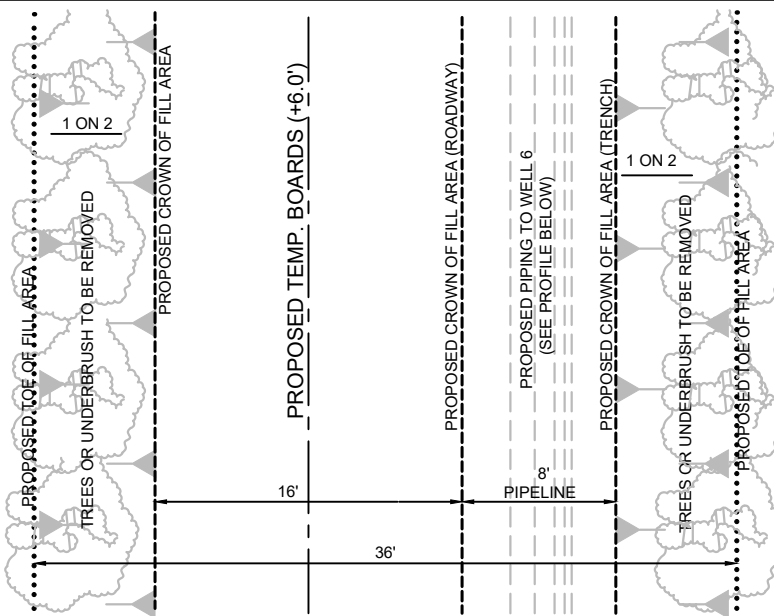
**TYPICAL SEC. "B-B"**  
**PROPOSED WELL PAD 7**

IBERVILLE PARISH  
LOUISIANA

SHEET 9 OF 20

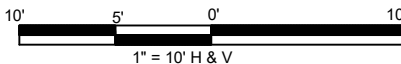
REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	8/23/21	ISSUED DRAWINGS	RG	JJM	JJM

IBERVILLE PARISH, LOUISIANA  
SEC. 1, T11S-R12E

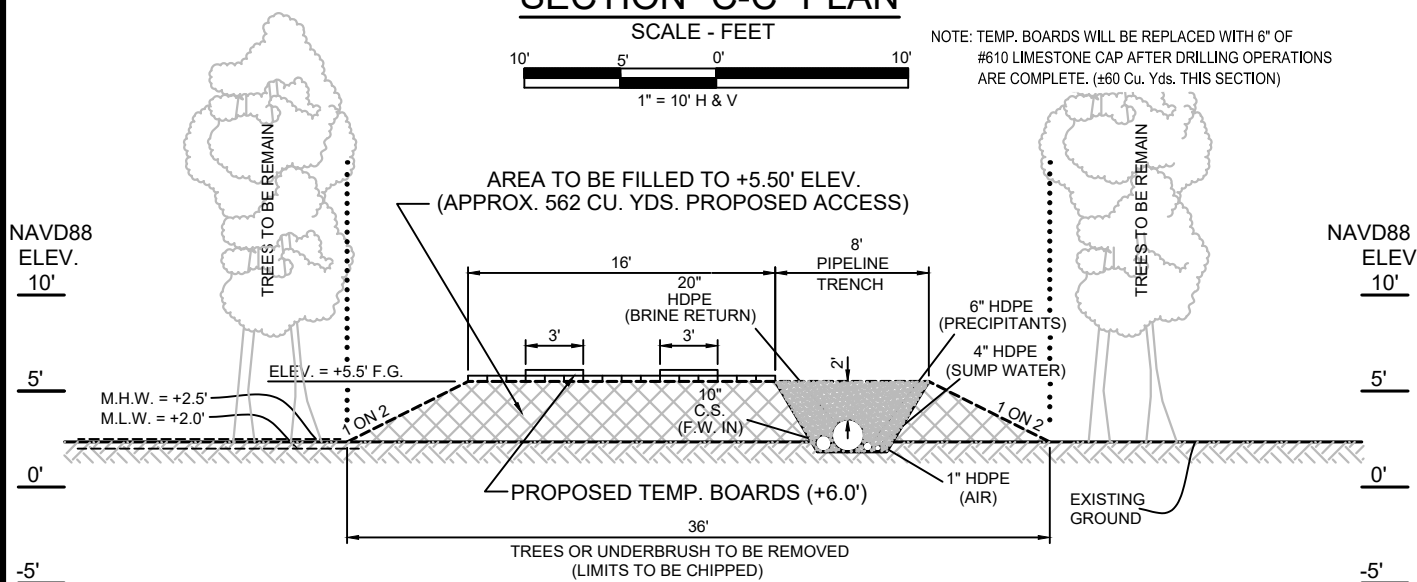


**SECTION "C-C" PLAN**

SCALE - FEET



NOTE: TEMP. BOARDS WILL BE REPLACED WITH 6" OF #610 LIMESTONE CAP AFTER DRILLING OPERATIONS ARE COMPLETE. (±60 Cu. Yds. THIS SECTION)



**SECTION "C-C" PROFILE**

**NOTE:**

THIS DRAWING WAS PREPARED SOLELY FOR ACQUISITION OF REGULATORY PERMITS AND DO NOT REPRESENT ENGINEERING OR CONSTRUCTION PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED DATA ACQUIRED FROM ASSESSOR RECORDS AND DO NOT REPRESENT A BOUNDARY SURVEY.

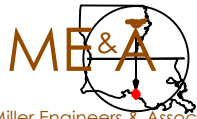
\* SEE SHEET 20 OF 20 FOR GENERAL NOTES AND REFERENCES.

THIS DRAWING WAS PREPARED SOLELY FOR USE BY TEXAS BRINE CO. L.L.C., IN CONJUNCTION WITH THE SPECIFIC PROJECT DESIGNATED IN THE TITLE BLOCK. USE FOR ANY OTHER PURPOSE, OR USE BY ANY OTHER PARTY SHALL BE AT USER'S SOLE RISK WITHOUT ANY LIABILITY TO MILLER ENGINEERS & ASSOCIATES.

THIS DRAWING IS THE PROPERTY OF MILLER ENGINEERS & ASSOC., INC. AND ANY REVISIONS MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE SUPERVISING PROFESSIONAL WILL VOID THE SEAL WHICH HE HAS PLACED HEREON.

M.E. & A. DWG. NO. 14465 C.O.E. SHEET 10 OF 20

PREPARED BY:



Miller Engineers & Associates, Inc.

**PRELIMINARY**

FOR PERMITTING ONLY  
THIS DOCUMENT IS NOT TO BE USED  
FOR CONSTRUCTION, BIDDING, RECORDATION,  
CONVEYANCE OR SALES  
JOEL J. MILLER  
LA. LICENSE NO. 29638



TEXAS BRINE  
COMPANY, LLC

C.O.E. PERMIT APPLICATION FOR  
PROPOSED BRINE WELLS 7, 8 & 9  
AT WHITE CASTLE FIELD

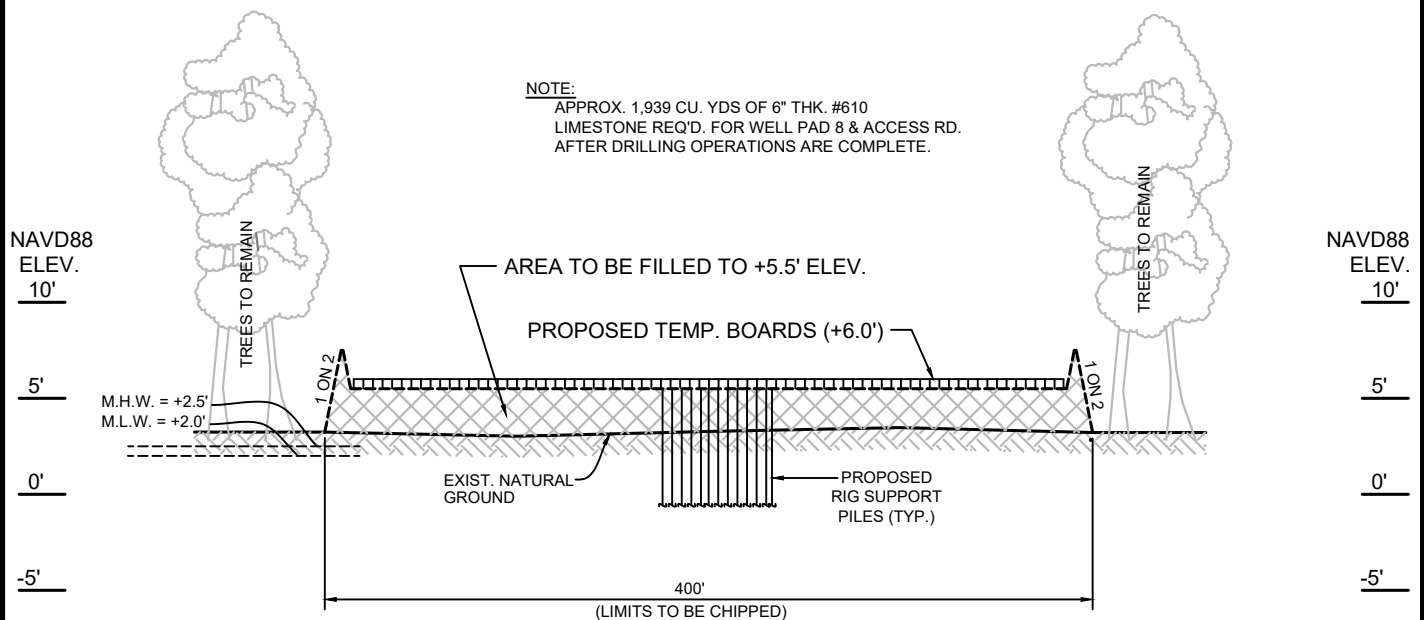
**SEC. "C-C" FOR PROPOSED  
ACCESS TO WELL PAD 7**

IBERVILLE PARISH  
LOUISIANA

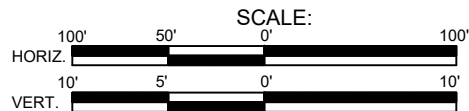
SHEET 10 OF 20

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	8/23/21	ISSUED DRAWINGS	RG	JJM	JJM

IBERVILLE PARISH, LOUISIANA  
SEC. 1, T11S-R12E



**TYPICAL SECTION "D-D"**  
**PROPOSED WELL PAD 8 (LOOKING EAST)**



**NOTES:**

1. DITCHES ON PROPOSED PAD SHALL SLOPE TO A RETAINING SUMP AREA AND ANY RUN OFF SHALL BE REMOVED FROM SITE.
2. SUMP, DITCHES & RING LEVEE ARE TEMPORARY FOR DRILLING OPERATIONS AND REMOVED AFTER COMPLETION OF DRILLING.

**NOTE:**

THIS DRAWING WAS PREPARED SOLELY FOR ACQUISITION OF REGULATORY PERMITS AND DO NOT REPRESENT ENGINEERING OR CONSTRUCTION PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED DATA ACQUIRED FROM ASSESSOR RECORDS AND DO NOT REPRESENT A BOUNDARY SURVEY.

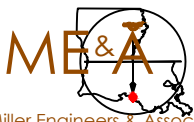
\* SEE SHEET 20 OF 20 FOR GENERAL NOTES AND REFERENCES.

THIS DRAWING WAS PREPARED SOLELY FOR USE BY TEXAS BRINE CO. L.L.C., IN CONJUNCTION WITH THE SPECIFIC PROJECT DESIGNATED IN THE TITLE BLOCK. USE FOR ANY OTHER PURPOSE, OR USE BY ANY OTHER PARTY SHALL BE AT USER'S SOLE RISK WITHOUT ANY LIABILITY TO MILLER ENGINEERS & ASSOCIATES.

THIS DRAWING IS THE PROPERTY OF MILLER ENGINEERS & ASSOC., INC. AND ANY REVISIONS MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE SUPERVISING PROFESSIONAL WILL VOID THE SEAL WHICH HE HAS PLACED HEREON.

M.E. & A. DWG. NO. 14465 C.O.E. SHEET 11 OF 20

PREPARED BY:



Miller Engineers & Associates, Inc.

**PRELIMINARY**

FOR PERMITTING ONLY  
THIS DOCUMENT IS NOT TO BE USED  
FOR CONSTRUCTION, BIDDING, RECORDATION,  
CONVEYANCE OR SALES  
JOEL J. MILLER  
LA. LICENSE NO. 29638



TEXAS BRINE  
COMPANY, LLC

C.O.E. PERMIT APPLICATION FOR  
PROPOSED BRINE WELLS 7, 8 & 9  
AT WHITE CASTLE FIELD

**TYPICAL SEC. "D-D"**  
**PROPOSED WELL PAD 8**

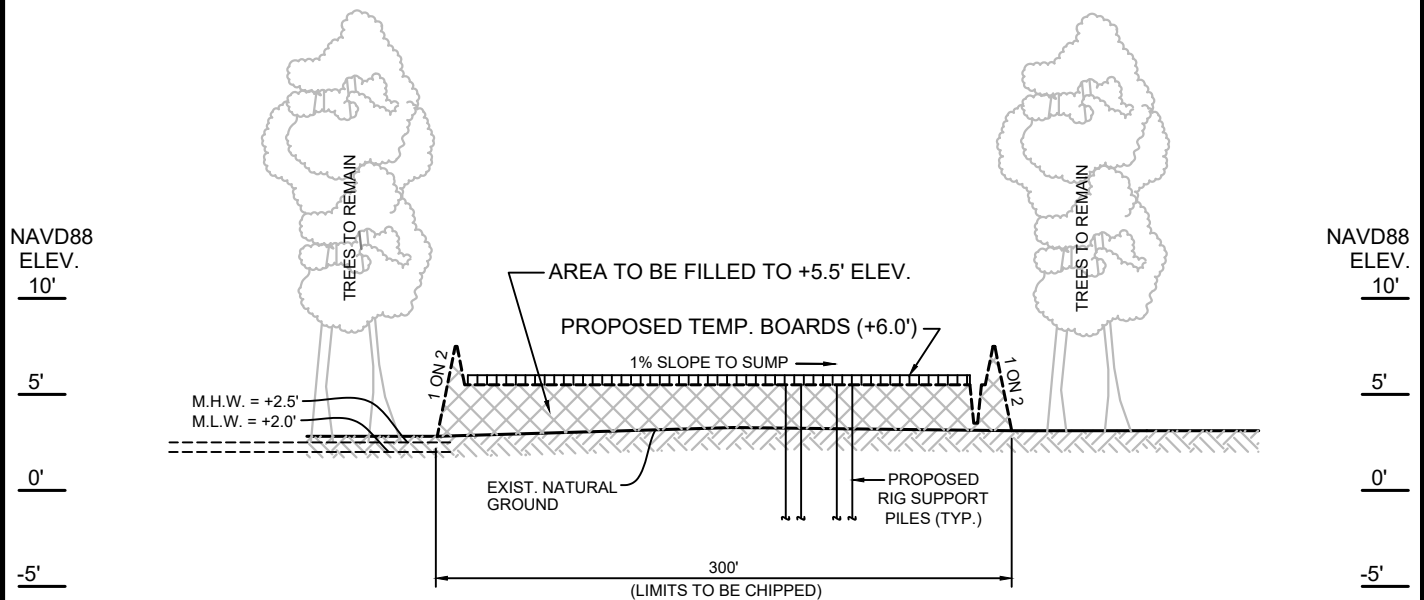
IBERVILLE PARISH  
LOUISIANA

SHEET 11 OF 20

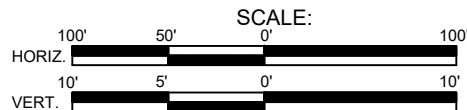
REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	8/23/21	ISSUED DRAWINGS	RG	JJM	JJM



IBERVILLE PARISH, LOUISIANA  
SEC. 1, T11S-R12E

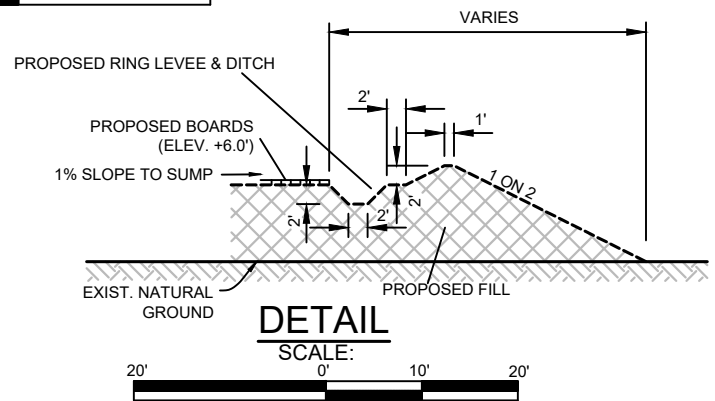


**TYPICAL SECTION "E-E"**  
**PROPOSED WELL PAD 8 (LOOKING NORTH)**

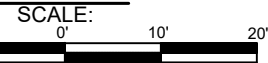


**NOTES:**

1. DITCHES ON PROPOSED PAD SHALL SLOPE TO A RETAINING SUMP AREA AND ANY RUN OFF SHALL BE REMOVED FROM SITE.
2. SUMP, DITCHES & RING LEVEE ARE TEMPORARY FOR DRILLING OPERATIONS AND REMOVED AFTER COMPLETION OF DRILLING.



**DETAIL**



**NOTE:**

THIS DRAWING WAS PREPARED SOLELY FOR ACQUISITION OF REGULATORY PERMITS AND DO NOT REPRESENT ENGINEERING OR CONSTRUCTION PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED DATA ACQUIRED FROM ASSESSOR RECORDS AND DO NOT REPRESENT A BOUNDARY SURVEY.

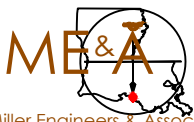
\* SEE SHEET 20 OF 20 FOR GENERAL NOTES AND REFERENCES.

THIS DRAWING WAS PREPARED SOLELY FOR USE BY TEXAS BRINE CO. L.L.C., IN CONJUNCTION WITH THE SPECIFIC PROJECT DESIGNATED IN THE TITLE BLOCK. USE FOR ANY OTHER PURPOSE, OR USE BY ANY OTHER PARTY SHALL BE AT USER'S SOLE RISK WITHOUT ANY LIABILITY TO MILLER ENGINEERS & ASSOCIATES.

THIS DRAWING IS THE PROPERTY OF MILLER ENGINEERS & ASSOC., INC. AND ANY REVISIONS MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE SUPERVISING PROFESSIONAL WILL VOID THE SEAL WHICH HE HAS PLACED HEREON.

M.E. & A. DWG. NO. 14465 C.O.E. SHEET 12 OF 20

PREPARED BY:



Miller Engineers & Associates, Inc.

**PRELIMINARY**

FOR PERMITTING ONLY  
THIS DOCUMENT IS NOT TO BE USED  
FOR CONSTRUCTION, BIDDING, RECORDATION,  
CONVEYANCE OR SALES  
JOEL J. MILLER  
LA. LICENSE NO. 29638



TEXAS BRINE  
COMPANY, LLC

C.O.E. PERMIT APPLICATION FOR  
PROPOSED BRINE WELLS 7, 8 & 9  
AT WHITE CASTLE FIELD

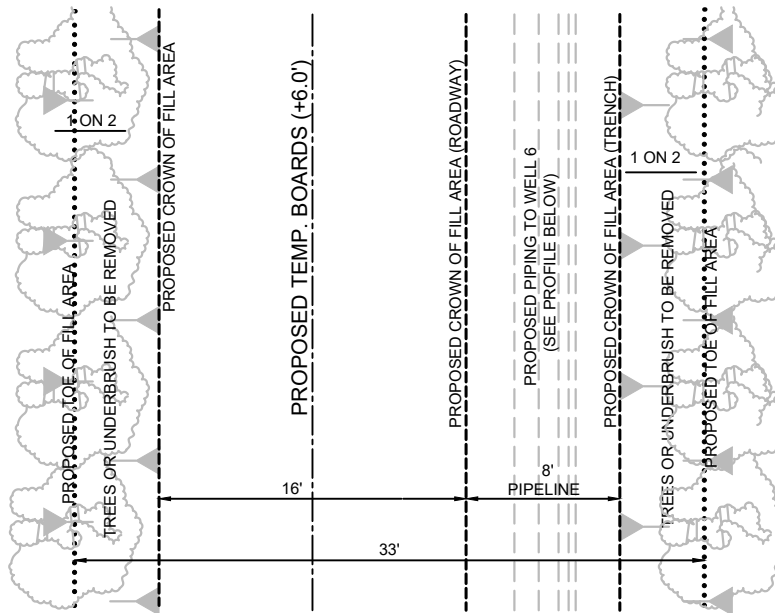
**TYPICAL SEC. "E-E"**  
**PROPOSED WELL PAD 8**

IBERVILLE PARISH  
LOUISIANA

SHEET 12 OF 20

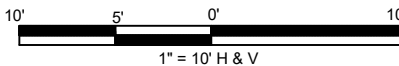
REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	8/23/21	ISSUED DRAWINGS	RG	JJM	JJM

IBERVILLE PARISH, LOUISIANA  
SEC. 1, T11S-R12E

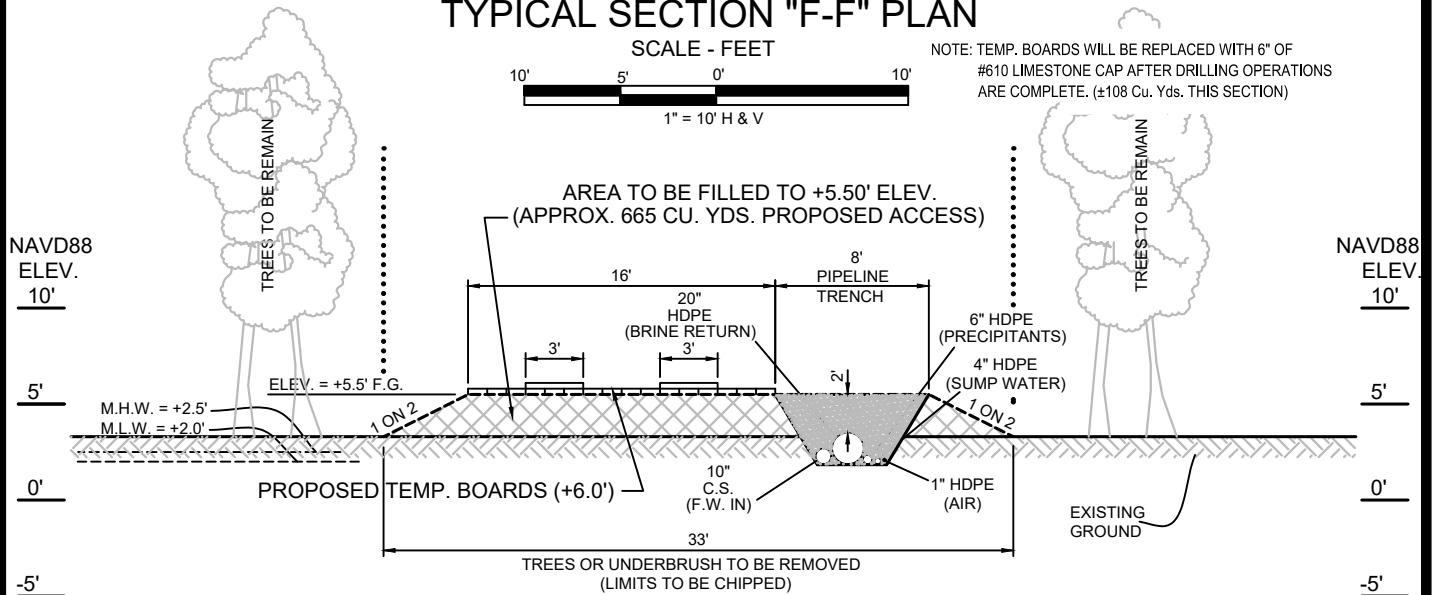


TYPICAL SECTION "F-F" PLAN

SCALE - FEET



NOTE: TEMP. BOARDS WILL BE REPLACED WITH 6" OF #610 LIMESTONE CAP AFTER DRILLING OPERATIONS ARE COMPLETE. (±108 Cu. Yds. THIS SECTION)



SECTION "F-F" PROFILE

NOTE:

THIS DRAWING WAS PREPARED SOLELY FOR ACQUISITION OF REGULATORY PERMITS AND DO NOT REPRESENT ENGINEERING OR CONSTRUCTION PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED DATA ACQUIRED FROM ASSESSOR RECORDS AND DO NOT REPRESENT A BOUNDARY SURVEY.

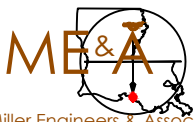
\* SEE SHEET 20 OF 20 FOR GENERAL NOTES AND REFERENCES.

THIS DRAWING WAS PREPARED SOLELY FOR USE BY TEXAS BRINE CO. L.L.C., IN CONJUNCTION WITH THE SPECIFIC PROJECT DESIGNATED IN THE TITLE BLOCK. USE FOR ANY OTHER PURPOSE, OR USE BY ANY OTHER PARTY SHALL BE AT USER'S SOLE RISK WITHOUT ANY LIABILITY TO MILLER ENGINEERS & ASSOCIATES.

THIS DRAWING IS THE PROPERTY OF MILLER ENGINEERS & ASSOC., INC. AND ANY REVISIONS MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE SUPERVISING PROFESSIONAL WILL VOID THE SEAL WHICH HE HAS PLACED HEREON.

M.E. & A. DWG. NO. 14465 C.O.E. SHEET 13 OF 20

PREPARED BY:



Miller Engineers & Associates, Inc.

**PRELIMINARY**

FOR PERMITTING ONLY  
THIS DOCUMENT IS NOT TO BE USED  
FOR CONSTRUCTION, BIDDING, RECORDATION,  
CONVEYANCE OR SALES  
JOEL J. MILLER  
LA. LICENSE NO. 29638



TEXAS BRINE  
COMPANY, LLC

C.O.E. PERMIT APPLICATION FOR  
PROPOSED BRINE WELLS 7, 8 & 9  
AT WHITE CASTLE FIELD

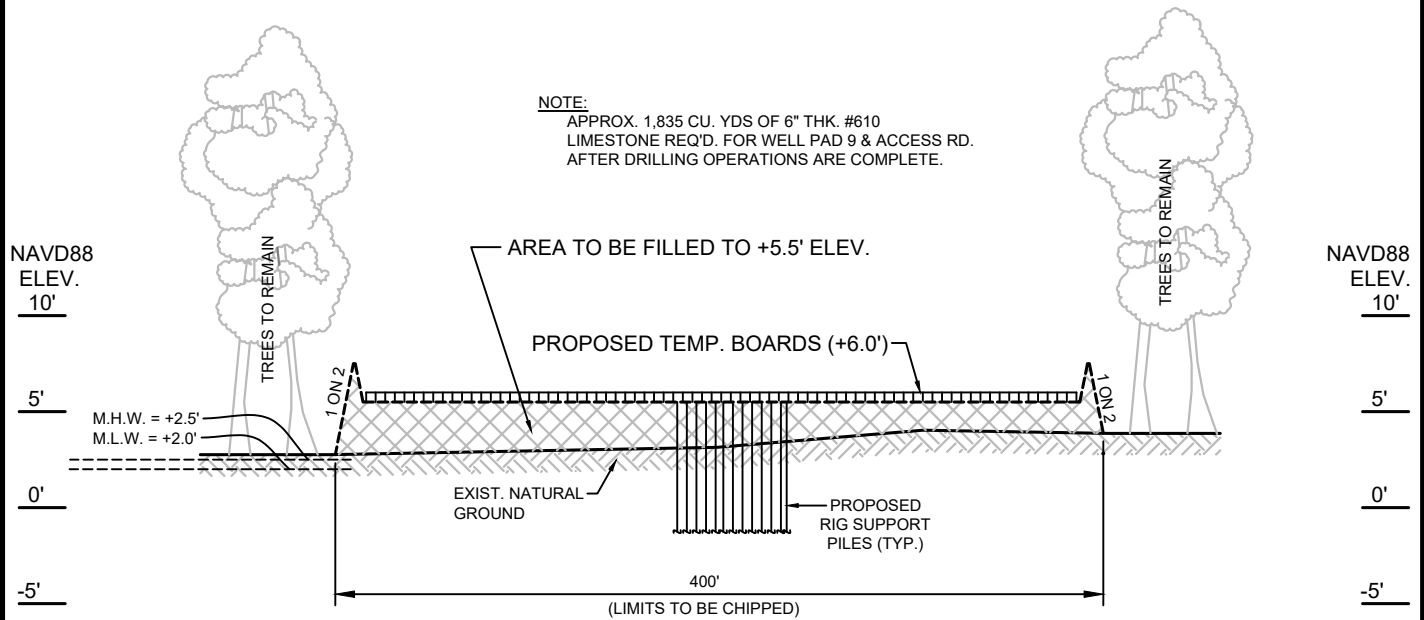
**SEC. "F-F" FOR PROPOSED  
ACCESS TO WELL PAD 8**

IBERVILLE PARISH  
LOUISIANA

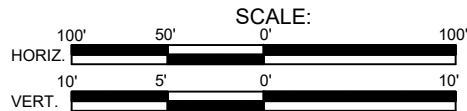
SHEET 13 OF 20

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	8/23/21	ISSUED DRAWINGS	RG	JJM	JJM

IBERVILLE PARISH, LOUISIANA  
SEC. 1, T11S-R12E



**TYPICAL SECTION "G-G"**  
**PROPOSED WELL PAD 9 (LOOKING EAST)**



**NOTES:**

1. DITCHES ON PROPOSED PAD SHALL SLOPE TO A RETAINING SUMP AREA AND ANY RUN OFF SHALL BE REMOVED FROM SITE.
2. SUMP, DITCHES & RING LEVEE ARE TEMPORARY FOR DRILLING OPERATIONS AND REMOVED AFTER COMPLETION OF DRILLING.

**NOTE:**

THIS DRAWING WAS PREPARED SOLELY FOR ACQUISITION OF REGULATORY PERMITS AND DO NOT REPRESENT ENGINEERING OR CONSTRUCTION PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED DATA ACQUIRED FROM ASSESSOR RECORDS AND DO NOT REPRESENT A BOUNDARY SURVEY.

\* SEE SHEET 20 OF 20 FOR GENERAL NOTES AND REFERENCES.

THIS DRAWING WAS PREPARED SOLELY FOR USE BY TEXAS BRINE CO. L.L.C., IN CONJUNCTION WITH THE SPECIFIC PROJECT DESIGNATED IN THE TITLE BLOCK. USE FOR ANY OTHER PURPOSE, OR USE BY ANY OTHER PARTY SHALL BE AT USER'S SOLE RISK WITHOUT ANY LIABILITY TO MILLER ENGINEERS & ASSOCIATES.

THIS DRAWING IS THE PROPERTY OF MILLER ENGINEERS & ASSOC., INC. AND ANY REVISIONS MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE SUPERVISING PROFESSIONAL WILL VOID THE SEAL WHICH HE HAS PLACED HEREON.

M.E. & A. DWG. NO. 14465 C.O.E. SHEET 14 OF 20

PREPARED BY:



Miller Engineers & Associates, Inc.

**PRELIMINARY**

FOR PERMITTING ONLY  
THIS DOCUMENT IS NOT TO BE USED  
FOR CONSTRUCTION, BIDDING, RECORDATION,  
CONVEYANCE OR SALES  
JOEL J. MILLER  
LA. LICENSE NO. 29638



TEXAS BRINE  
COMPANY, LLC

C.O.E. PERMIT APPLICATION FOR  
PROPOSED BRINE WELLS 7, 8 & 9  
AT WHITE CASTLE FIELD

**TYPICAL SEC. "G-G"**  
**PROPOSED WELL PAD 9**

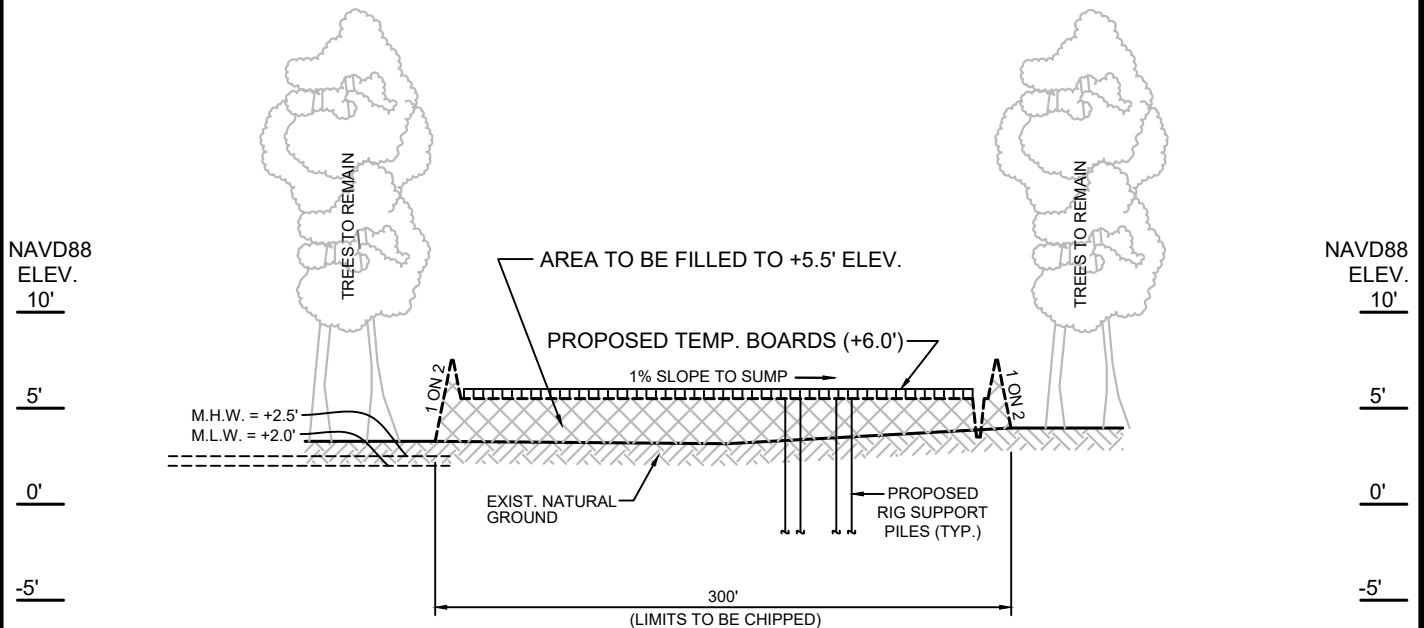
IBERVILLE PARISH  
LOUISIANA

SHEET 14 OF 20

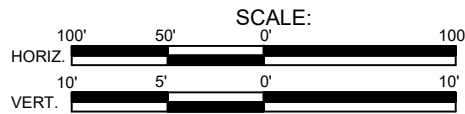
REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	8/23/21	ISSUED DRAWINGS	RG	JJM	JJM



IBERVILLE PARISH, LOUISIANA  
SEC. 1, T11S-R12E



**TYPICAL SECTION "H-H"**  
**PROPOSED WELL PAD 9 (LOOKING NORTH)**



**NOTES:**

1. DITCHES ON PROPOSED PAD SHALL SLOPE TO A RETAINING SUMP AREA AND ANY RUN OFF SHALL BE REMOVED FROM SITE.
2. SUMP, DITCHES & RING LEVEE ARE TEMPORARY FOR DRILLING OPERATIONS AND REMOVED AFTER COMPLETION OF DRILLING.

**PROPOSED RING LEVEE & DITCH**

PROPOSED BOARDS  
(ELEV. +6.0')

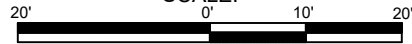
1% SLOPE TO SUMP

EXIST. NATURAL  
GROUND

PROPOSED FILL

**DETAIL**

SCALE:



**NOTE:**

THIS DRAWING WAS PREPARED SOLELY FOR ACQUISITION OF REGULATORY PERMITS AND DO NOT REPRESENT ENGINEERING OR CONSTRUCTION PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED DATA ACQUIRED FROM ASSESSOR RECORDS AND DO NOT REPRESENT A BOUNDARY SURVEY.

\* SEE SHEET 20 OF 20 FOR GENERAL NOTES AND REFERENCES.

THIS DRAWING WAS PREPARED SOLELY FOR USE BY TEXAS BRINE CO. L.L.C., IN CONJUNCTION WITH THE SPECIFIC PROJECT DESIGNATED IN THE TITLE BLOCK. USE FOR ANY OTHER PURPOSE, OR USE BY ANY OTHER PARTY SHALL BE AT USER'S SOLE RISK WITHOUT ANY LIABILITY TO MILLER ENGINEERS & ASSOCIATES.

THIS DRAWING IS THE PROPERTY OF MILLER ENGINEERS & ASSOC., INC. AND ANY REVISIONS MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE SUPERVISING PROFESSIONAL WILL VOID THE SEAL WHICH HE HAS PLACED HEREON.

M.E. & A. DWG. NO. 14465 C.O.E. SHEET 15 OF 20

PREPARED BY:



Miller Engineers & Associates, Inc.

**PRELIMINARY**

FOR PERMITTING ONLY  
THIS DOCUMENT IS NOT TO BE USED  
FOR CONSTRUCTION, BIDDING, RECORDATION,  
CONVEYANCE OR SALES  
JOEL J. MILLER  
LA. LICENSE NO. 29638



TEXAS BRINE  
COMPANY, LLC

C.O.E. PERMIT APPLICATION FOR  
PROPOSED BRINE WELLS 7, 8 & 9  
AT WHITE CASTLE FIELD

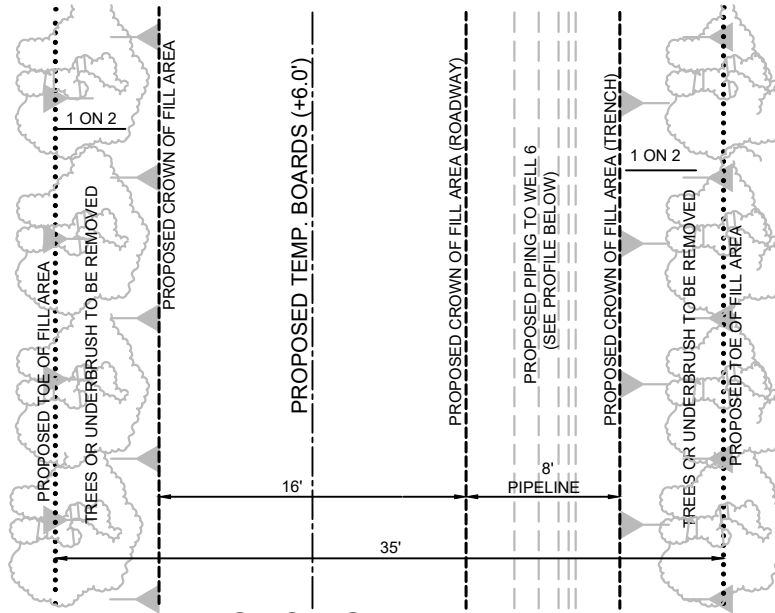
**TYPICAL SEC. "H-H"**  
**PROPOSED WELL PAD 9**

IBERVILLE PARISH  
LOUISIANA

SHEET 15 OF 20

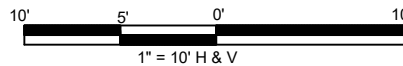
REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	8/23/21	ISSUED DRAWINGS	RG	JJM	JJM

IBERVILLE PARISH, LOUISIANA  
SEC. 1, T11S-R12E

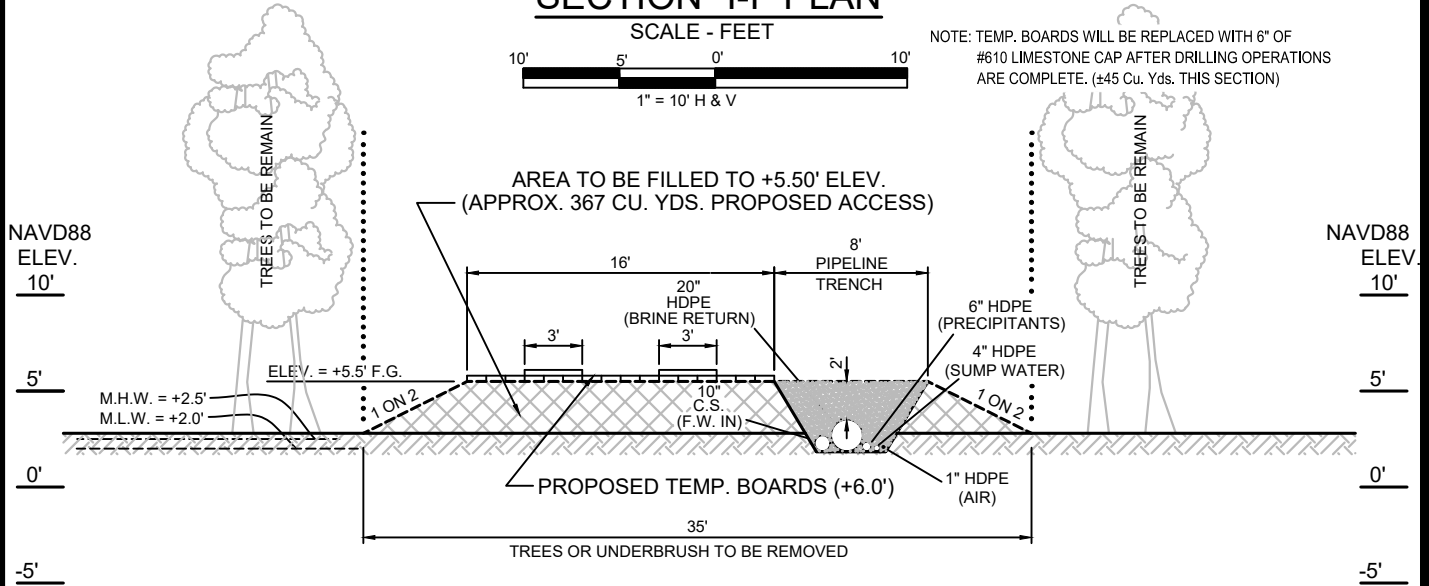


**SECTION "I-I" PLAN**

SCALE - FEET



NOTE: TEMP. BOARDS WILL BE REPLACED WITH 6" OF #610 LIMESTONE CAP AFTER DRILLING OPERATIONS ARE COMPLETE. (±45 Cu. Yds. THIS SECTION)



**SECTION "I-I" PROFILE**

**NOTE:**

THIS DRAWING WAS PREPARED SOLELY FOR ACQUISITION OF REGULATORY PERMITS AND DO NOT REPRESENT ENGINEERING OR CONSTRUCTION PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED DATA ACQUIRED FROM ASSESSOR RECORDS AND DO NOT REPRESENT A BOUNDARY SURVEY.

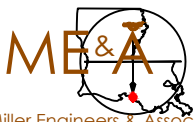
\* SEE SHEET 20 OF 20 FOR GENERAL NOTES AND REFERENCES.

THIS DRAWING WAS PREPARED SOLELY FOR USE BY TEXAS BRINE CO. L.L.C., IN CONJUNCTION WITH THE SPECIFIC PROJECT DESIGNATED IN THE TITLE BLOCK. USE FOR ANY OTHER PURPOSE, OR USE BY ANY OTHER PARTY SHALL BE AT USER'S SOLE RISK WITHOUT ANY LIABILITY TO MILLER ENGINEERS & ASSOCIATES.

THIS DRAWING IS THE PROPERTY OF MILLER ENGINEERS & ASSOC., INC. AND ANY REVISIONS MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE SUPERVISING PROFESSIONAL WILL VOID THE SEAL WHICH HE HAS PLACED HEREON.

M.E. & A. DWG. NO. 14465 C.O.E. SHEET 16 OF 20

PREPARED BY:



Miller Engineers & Associates, Inc.

**PRELIMINARY**

FOR PERMITTING ONLY  
THIS DOCUMENT IS NOT TO BE USED  
FOR CONSTRUCTION, BIDDING, RECORDATION,  
CONVEYANCE OR SALES  
JOEL J. MILLER  
LA. LICENSE NO. 29638



TEXAS BRINE  
COMPANY, LLC

C.O.E. PERMIT APPLICATION FOR  
PROPOSED BRINE WELLS 7, 8 & 9  
AT WHITE CASTLE FIELD

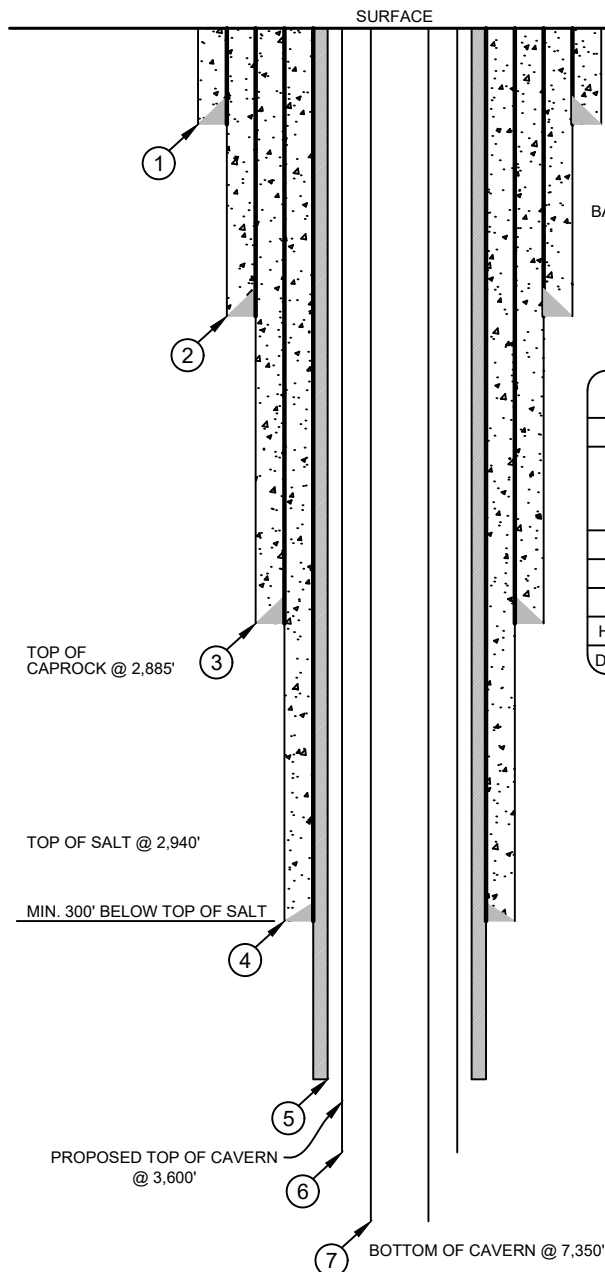
**SEC. "I-I" FOR PROPOSED  
ACCESS TO WELL PAD 9**

IBERVILLE PARISH  
LOUISIANA

SHEET 16 OF 20

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	8/23/21	ISSUED DRAWINGS	RG	JJM	JJM

**IBERVILLE PARISH, LOUISIANA**  
**SECTION 1, T11S-R12E**



NOTE: ALL DEPTHS REFERENCED TO GROUND LEVEL.

**CASING INFORMATION**

LABEL	1	2	3	4	5
TYPE	CONDUCTOR (DRIVEN)	FRESH WATER PROTECTION CASING (CEMENTED TO SURFACE)	SURFACE CASING (CEMENTED TO SURFACE)	INTERMEDIATE CASING (CEMENTED TO SURFACE)	PRODUCTION CASING (CEMENTED TO SURFACE)
OD	42"	36"	30"	20"	16"
WEIGHT	438 lb/ft	374 lb/ft	309 lb/ft	133 lb/ft	97 lb/ft
GRADE	API 5LX-52	API 5LX-56	API 5LX-56	K-55, BTC	HCQ-125, BTC, SMLS
HOLE SIZE	-	44"	40"	26"	22"
DEPTH SET	350'±	1,200'±	2,800'±	3,300'±	3,500'±

**TUBING INFORMATION**

LABEL	6	7
TYPE	HANGING/BANKET CASING	LEACHING STRING
OD	13 3/8"	9 5/8"
WT	0.480"	0.395"
ID	12.415"	8.835"
DRIFT ID	12.250"	8.679"
COD	14.375"	10.625"
WEIGHT	68 lb/ft	40 lb/ft
GRADE	P110, ERW R3, BTC	P110, ERW R3, BTC
HOLE SIZE	17 1/2"	17 1/2"
DEPTH SET	4,700'±	7,280'±

NOTE:

THIS DRAWING WAS PREPARED SOLELY FOR ACQUISITION OF REGULATORY PERMITS AND DO NOT REPRESENT ENGINEERING OR CONSTRUCTION PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED DATA ACQUIRED FROM ASSESSOR RECORDS AND DO NOT REPRESENT A BOUNDARY SURVEY.

\* SEE SHEET 20 OF 20 FOR GENERAL NOTES AND REFERENCES.

THIS DRAWING WAS PREPARED SOLELY FOR USE BY TEXAS BRINE CO. L.L.C., IN CONJUNCTION WITH THE SPECIFIC PROJECT DESIGNATED IN THE TITLE BLOCK. USE FOR ANY OTHER PURPOSE, OR USE BY ANY OTHER PARTY SHALL BE AT USER'S SOLE RISK WITHOUT ANY LIABILITY TO MILLER ENGINEERS & ASSOCIATES.

THIS DRAWING IS THE PROPERTY OF MILLER ENGINEERS & ASSOC., INC. AND ANY REVISIONS MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE SUPERVISING PROFESSIONAL WILL VOID THE SEAL WHICH HE HAS PLACED HEREON.

M.E. & A. DWG. NO. 14465 C.O.E. SHEET 17 OF 20

PREPARED BY:



Miller Engineers & Associates, Inc.

**PRELIMINARY**

FOR PERMITTING ONLY  
THIS DOCUMENT IS NOT TO BE USED  
FOR CONSTRUCTION, BIDDING, RECORDATION,  
CONVEYANCE OR SALES  
JOEL J. MILLER  
LA. LICENSE NO. 29638



**TEXAS BRINE  
COMPANY, LLC**

C.O.E. PERMIT APPLICATION FOR  
PROPOSED BRINE WELLS 7, 8 & 9  
AT WHITE CASTLE FIELD  
**BELOW GROUND DETAIL  
FOR BRINE WELL #7**

IBERVILLE PARISH  
LOUISIANA

SHEET 17 OF 20

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	8/23/21	ISSUED DRAWINGS	RG	JJM	JJM

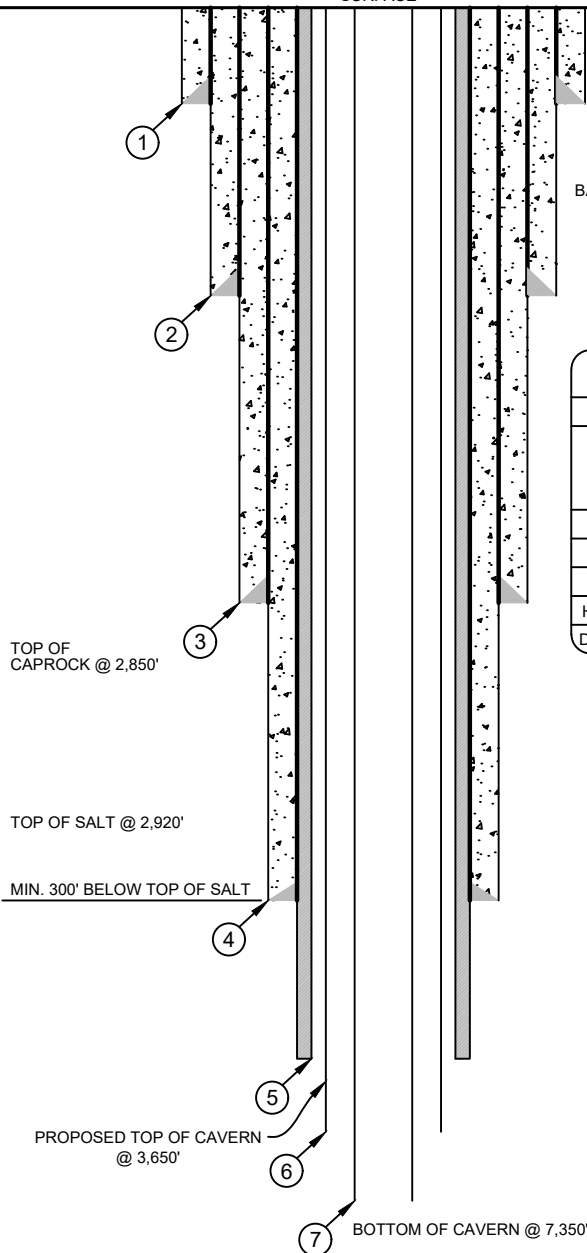


IBERVILLE PARISH, LOUISIANA  
SECTION 1, T11S-R12E

SURFACE

NOTE: ALL DEPTHS REFERENCED TO GROUND LEVEL.

BASE USDW @ 700'



CASING INFORMATION

LABEL	1	2	3	4	5
TYPE	CONDUCTOR (DRIVEN)	FRESH WATER PROTECTION CASING (CEMENTED TO SURFACE)	SURFACE CASING (CEMENTED TO SURFACE)	INTERMEDIATE CASING (CEMENTED TO SURFACE)	PRODUCTION CASING (CEMENTED TO SURFACE)
OD	42"	36"	30"	20"	16"
WEIGHT	438 lb/ft	374 lb/ft	309 lb/ft	133 lb/ft	97 lb/ft
GRADE	API 5LX-52	API 5LX-56	API 5LX-56	K-55, BTC	HCQ-125, BTC, SMLS
HOLE SIZE	-	44"	40"	26"	22"
DEPTH SET	350'±	1,200'±	2,800'±	3,300'±	3,550'±

TUBING INFORMATION

LABEL	6	7
TYPE	HANGING/BLANKET CASING	LEACHING STRING
OD	13 3/8"	9 5/8"
WT	0.480"	0.395"
ID	12.415"	8.835"
DRIFT ID	12.250"	8.679"
COD	14.375"	10.625"
WEIGHT	68 lb/ft	40 lb/ft
GRADE	P110, ERW R3, BTC	P110, ERW R3, BTC
HOLE SIZE	17 1/2"	17 1/2"
DEPTH SET	4,700'±	7,280'±

NOTE:

THIS DRAWING WAS PREPARED SOLELY FOR  
ACQUISITION OF REGULATORY PERMITS AND DO  
NOT REPRESENT ENGINEERING OR CONSTRUCTION  
PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED  
DATA ACQUIRED FROM ASSESSOR RECORDS AND DO  
NOT REPRESENT A BOUNDARY SURVEY.

\* SEE SHEET 20 OF 20 FOR GENERAL  
NOTES AND REFERENCES.

PREPARED BY:



Miller Engineers & Associates, Inc.

**PRELIMINARY**

FOR PERMITTING ONLY  
THIS DOCUMENT IS NOT TO BE USED  
FOR CONSTRUCTION, BIDDING, RECORDATION,  
CONVEYANCE OR SALES  
JOEL J. MILLER  
LA. LICENSE NO. 29638

THIS DRAWING WAS PREPARED SOLELY FOR USE BY TEXAS BRINE CO. L.L.C.,  
IN CONJUNCTION WITH THE SPECIFIC PROJECT DESIGNATED  
IN THE TITLE BLOCK. USE FOR ANY OTHER PURPOSE, OR USE BY ANY OTHER  
PARTY SHALL BE AT USER'S SOLE RISK WITHOUT ANY LIABILITY TO MILLER  
ENGINEERS & ASSOCIATES.

THIS DRAWING IS THE PROPERTY OF MILLER ENGINEERS & ASSOC., INC. AND ANY  
REVISIONS MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE SUPERVISING  
PROFESSIONAL WILL VOID THE SEAL WHICH HE HAS PLACED HEREON.

M.E. & A. DWG. NO. 14465 C.O.E. SHEET 18 OF 20



TEXAS BRINE  
COMPANY, LLC

C.O.E. PERMIT APPLICATION FOR  
PROPOSED BRINE WELLS 7, 8 & 9  
AT WHITE CASTLE FIELD

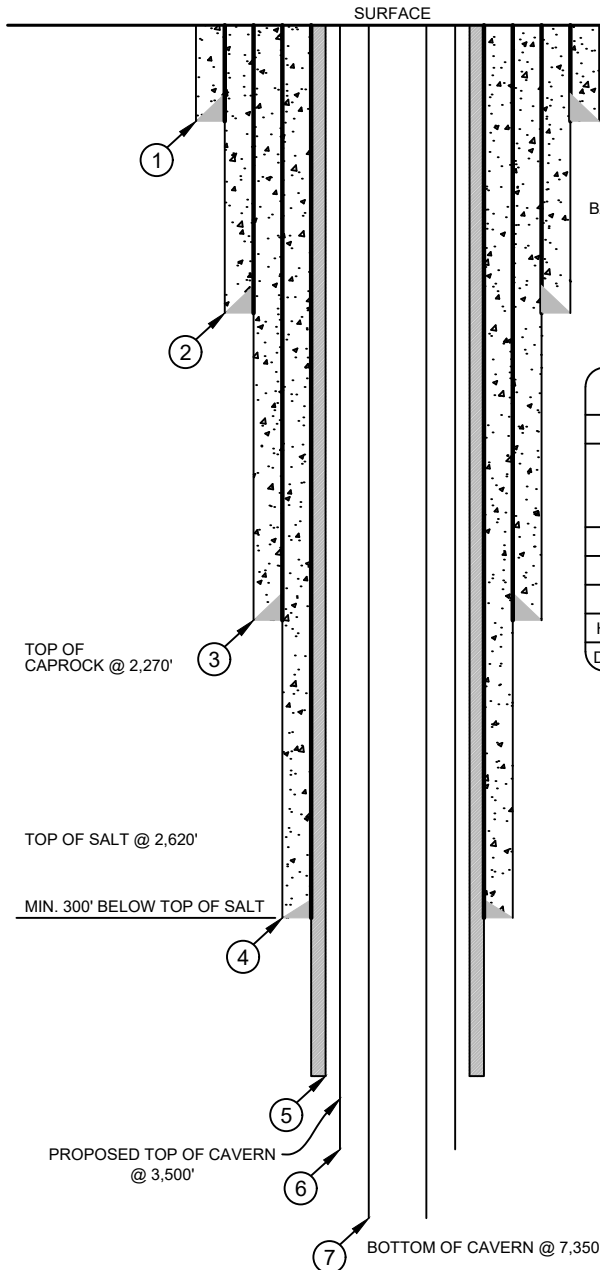
**BELOW GROUND DETAIL  
FOR BRINE WELL #8**

IBERVILLE PARISH  
LOUISIANA

SHEET 18 OF 20

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	8/23/21	ISSUED DRAWINGS	RG	JJM	JJM

IBERVILLE PARISH, LOUISIANA  
SECTION 1, T11S-R12E



NOTE: ALL DEPTHS REFERENCED TO GROUND LEVEL.

CASING INFORMATION

LABEL	1	2	3	4	5
TYPE	CONDUCTOR (DRIVEN)	FRESH WATER PROTECTION CASING (CEMENTED TO SURFACE)	SURFACE CASING (CEMENTED TO SURFACE)	INTERMEDIATE CASING (CEMENTED TO SURFACE)	PRODUCTION CASING (CEMENTED TO SURFACE)
OD	42"	36"	30"	20"	16"
WEIGHT	438 lb/ft	374 lb/ft	309 lb/ft	133 lb/ft	97 lb/ft
GRADE	API 5LX-52	API 5LX-56	API 5LX-56	K-55, BTC	HCQ-125, BTC, SMLS
HOLE SIZE	-	44"	40"	26"	22"
DEPTH SET	350'±	1,200'±	2,250'±	3,000'±	3,400'±

TUBING INFORMATION

LABEL	6	7
TYPE	HANGING/BLANKET CASING	LEACHING STRING
OD	13 3/8"	9 5/8"
WT	0.480"	0.395"
ID	12.415"	8.835"
DRIFT ID	12.250"	8.679"
COD	14.375"	10.625"
WEIGHT	68 lb/ft	40 lb/ft
GRADE	P110, ERW R3, BTC	P110, ERW R3, BTC
HOLE SIZE	17 1/2"	17 1/2"
DEPTH SET	4,700'±	7,280'±

NOTE:  
THIS DRAWING WAS PREPARED SOLELY FOR  
ACQUISITION OF REGULATORY PERMITS AND DO  
NOT REPRESENT ENGINEERING OR CONSTRUCTION  
PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED  
DATA ACQUIRED FROM ASSESSOR RECORDS AND DO  
NOT REPRESENT A BOUNDARY SURVEY.

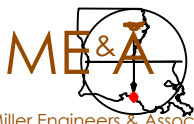
\* SEE SHEET 20 OF 20 FOR GENERAL  
NOTES AND REFERENCES.

THIS DRAWING WAS PREPARED SOLELY FOR USE BY TEXAS BRINE CO. L.L.C.,  
IN CONJUNCTION WITH THE SPECIFIC PROJECT DESIGNATED  
IN THE TITLE BLOCK. USE FOR ANY OTHER PURPOSE, OR USE BY ANY OTHER  
PARTY SHALL BE AT USER'S SOLE RISK WITHOUT ANY LIABILITY TO MILLER  
ENGINEERS & ASSOCIATES.

THIS DRAWING IS THE PROPERTY OF MILLER ENGINEERS & ASSOC., INC. AND ANY  
REVISIONS MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE SUPERVISING  
PROFESSIONAL WILL VOID THE SEAL WHICH HE HAS PLACED HEREON.

M.E. & A. DWG. NO. 14465 C.O.E. SHEET 19 OF 20

PREPARED BY:



Miller Engineers & Associates, Inc.

**PRELIMINARY**

FOR PERMITTING ONLY  
THIS DOCUMENT IS NOT TO BE USED  
FOR CONSTRUCTION, BIDDING, RECORDATION,  
CONVEYANCE OR SALES  
JOEL J. MILLER  
LA. LICENSE NO. 29638



TEXAS BRINE  
COMPANY, LLC

C.O.E. PERMIT APPLICATION FOR  
PROPOSED BRINE WELLS 7, 8 & 9  
AT WHITE CASTLE FIELD  
**BELOW GROUND DETAIL  
FOR BRINE WELL #9**

IBERVILLE PARISH  
LOUISIANA

SHEET 19 OF 20

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	8/23/21	ISSUED DRAWINGS	RG	JJM	JJM

## IBERVILLE PARISH, LOUISIANA

SEC. 1, T11S-R12E

**NOTES:**

NORTH ARROW AND GRID COORDINATES REFER TO THE LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NORTH AMERICAN DATUM OF 1983 (NAD 83)). BASED ON RTK GPS OBSERVATIONS.

ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM (N.A.V.D. 88). BASED ON RTK GPS OBSERVATIONS.

DISTANCES IN FEET BY HORIZONTAL MEASUREMENT.

PARISH, SECTION, TOWNSHIP, AND RANGE SCALED FROM REFERENCED U.S.C & G.S. QUADRANGLES, LONE STAR & WHITE CASTLE, LA. 1994

PROPOSED EXCAVATION LOCATIONS AND DIMENSIONS ARE APPROXIMATE BASED ON DATA PROVIDED TEXAS BRINE CO. LLC

SURVEY PARTY CHIEF: HERSHEL SAUCE

DATE OF SURVEY: JULY 6, 2021

**SUMMARY OF CONSTRUCTION EQUIPMENT**

DESCRIPTION	QUANTITY
AMPHIBIOUS TRACK EXCAVATOR (60' REACH) (FOR CHIPPING)	1
NON-AMPHIBIOUS TRACK EXCAVATOR (35' REACH) (FOR PIPELINE WORK)	1
TANDEM & TRACTOR TRAILER DUMP TRUCKS (ACCESS RD & PAD FILL)	1
BULL DOZER/GRADER (ACCESS RD & PAD CONSTRUCTION)	1
LAND BASED DRILLING RIG	1
1/2 TON & 3/4 TON CREW TRUCKS (CONSTRUCTION & DRILLING SUPPORT)	1

**SUMMARY OF ESTIMATED QUANTITIES**

TOTAL SAND VOLUME = 33,822 CU. YDS. (FILL) (WELL PADS & ACCESS)  
 TOTAL #610 LIMESTONE VOLUME = 5,668 CU. YDS. (6" THK.) (FILL)  
 TOTAL PROJECT PERMANENT IMPACTS (WETLAND) = 8.57 AC.  
 TOTAL CASING CEMENT = 1,457 CU. YDS.  
 TOTAL EXCAVATION FOR WELLS FROM DRILLING = 2,273 CU.YDS.

**NOTE:**

THIS DRAWING WAS PREPARED SOLELY FOR ACQUISITION OF REGULATORY PERMITS AND DO NOT REPRESENT ENGINEERING OR CONSTRUCTION PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED DATA ACQUIRED FROM ASSESSOR RECORDS AND DO NOT REPRESENT A BOUNDARY SURVEY.

THIS DRAWING WAS PREPARED SOLELY FOR USE BY TEXAS BRINE CO. L.L.C., IN CONJUNCTION WITH THE SPECIFIC PROJECT DESIGNATED IN THE TITLE BLOCK. USE FOR ANY OTHER PURPOSE, OR USE BY ANY OTHER PARTY SHALL BE AT USER'S SOLE RISK WITHOUT ANY LIABILITY TO MILLER ENGINEERS & ASSOCIATES.

THIS DRAWING IS THE PROPERTY OF MILLER ENGINEERS & ASSOC., INC. AND ANY REVISIONS MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE SUPERVISING PROFESSIONAL WILL VOID THE SEAL WHICH HE HAS PLACED HEREON.

M.E. & A. DWG. NO. 14465 C.O.E. SHEET 20 OF 20

PREPARED BY:



Miller Engineers & Associates, Inc.

**PRELIMINARY**

FOR PERMITTING ONLY  
 THIS DOCUMENT IS NOT TO BE USED  
 FOR CONSTRUCTION, BIDDING, RECORDATION,  
 CONVEYANCE OR SALES  
 JOEL J. MILLER  
 LA. LICENSE NO. 29638



TEXAS BRINE  
 COMPANY, LLC

C.O.E. PERMIT APPLICATION FOR  
 PROPOSED BRINE WELLS 7, 8 & 9  
 AT WHITE CASTLE FIELD

**GENERAL NOTES  
 AND REFERENCES**

IBERVILLE PARISH  
 LOUISIANA

SHEET 20 OF 20

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	8/23/21	ISSUED DRAWINGS	RG	JJM	JJM