

### **REPORT**

# HISTORY OF CONSTRUCTION ADDENDUM NO. 1

Martin Lake Steam Electric Station - Ash Ponds Rusk County, Texas

Submitted to:

**Luminant Generation Company LLC** 

Submitted by:

### **WSP GOLDER**

1601 S MoPac Expressway Suite 325D Austin, Texas, USA 78746 +1 737 703 3900

31404097.007

December 2022

## PROFESSIONAL CERTIFICATION

This document and all attachments were prepared by WSP Golder under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I hereby certify that Addendum No.1 to the History of Construction Report for the Ash Ponds at the Martin Lake Steam Electric Station has been prepared in accordance with the requirements of 40 C.F.R. §257.73(c).

Patrick J. Behling, P.E. Principal Engineer WSP Golder

Texas Firm Registration No. 22771



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Appendix B EAP and WAP Liner Retrofits – As-Built Drawings



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### **DOCUMENT REVISION RECORD**

Issue No.	Date	Details of Revisions
Revision 0	October 2016	Original Document
Addendum 1	December 2022	Added retrofitted EAP, WAP and NSP liner system information



### 1.0 INTRODUCTION

On behalf of Luminant Generation Company LLC (Luminant), WSP Golder (Golder) has prepared this Addendum No. 1 to the History of Construction Report (HCR) for East Ash Pond (EAP), West Ash Pond (WAP), and New Scrubber Pond (NSP) (collectively referred to as the "Ash Ponds") located at the Martin Lake Steam Electric Station (MLSES) in Rusk County, Texas (hereafter, the "Site"). Coal Combustion Residuals (CCR) including flue gas desulfurization (FGD) wastewater and bottom ash generated as part of MLSES operation are managed in the Ash Ponds. The Ash Ponds are regulated as Existing CCR Impoundments under 40 C.F.R. §257, Subpart D (the "CCR Rule").

The original HCR for the Site was prepared in October 2016 in accordance with 40 C.F.R. §257.73(c) and placed in the MLSES operating record in accordance with 40 C.F.R. §257.105(h)(10) (B&M, 2016a). This Addendum No. 1 updates the HCR to reflect the following:

• Retrofit of the EAP, WAP and NSP liner systems to comply with the requirements of 40 C.F.R. §257.71(a)(1)(ii) completed in accordance 40 C.F.R. §257.102(k).



### 2.0 RETROFIT OF ASH POND LINER SYSTEMS

The EAP, WAP and NSP are constructed partially above and partially below grade and are surrounded by engineered earthen dikes that extend above surrounding ground level. The EAP and WAP share an interior embankment and cover areas of approximately 10 acres and 15 acres, respectively. The NSP is an approximately 13 acre surface impoundment.

At the time the CCR Rule was promulgated, the liner systems in the EAP, WAP and NSP consisted of the following (from bottom to top):

- 18-inch thick compacted clay layer with a hydraulic conductivity of 1x10<sup>-7</sup> cm/sec;
- a 60-mil HDPE geomembrane;
- a geosynthetic drainage layer;
- a second 60-mil HDPE geomembrane; and
- a 4-inch thick concrete revetment mat.

The EAP, WAP and NSP were considered unlined CCR surface impoundments in accordance with 40 C.F.R. §257.71(a)(1) of the CCR Rule (B&M, 2016b). Luminant decided to retrofit the Ash Pond liner systems to satisfy the requirements of 40 C.F.R. §257.71(a)(1)(ii) and maintain compliance with the CCR Rule. A Liner Retrofit Plan for the Ash Ponds were prepared in February 2020 in accordance with 40 C.F.R. §257.102(k)(2) and placed in the MLSES operating record in accordance with 40 C.F.R. §257.105(h)(10) (HDR, 2020). The Ash Pond liner systems were retrofitted sequentially, starting with the EAP, followed by the WAP and finally the NSP.

The liner system retrofit measures for each of the Ash Ponds consisted of the following.

- Pumping of free water from the pond and transfer to one of the other Ash Ponds;
- Excavation of all CCR from the pond and placement in MLSES A1 Landfill; and
- Construction of an alternative composite liner system meeting the requirements of 40 C.F.R. §257.71(a)(1)(ii).

In each impoundment, the retrofitted liner system was installed on top of the existing liner system and consisted of the following (from bottom to top):

- a 6-inch thick layer of general soil fill material placed over the existing liner system;
- a polymer-enhanced geosynthetic clay liner (GCL); and
- a 60-mil HDPE geomembrane.

From 2020 through 2022, the EAP and WAP were each retrofitted with a new composite liner system and a similar composite liner system is currently being installed in the NSP. Engineering drawings for the EAP, WAP and NSP Liner Retrofits are reproduced in Appendix A of this Addendum. As-built drawings for the EAP and WAP Liner Retrofits are reproduced in Appendix B of this Addendum.

The retrofitted liner systems in the EAP, WAP and NSP are alternative composite liners meeting the requirements of 40 C.F.R. §257.71(a)(1)(ii).

### 3.0 REFERENCES

Burns and McDonnell (B&M), 2016a. History of Construction – CCR Surface Impoundments, Martin Lake Steam Electric Station. October 5.

- B&M, 2016b. Summary of Liner Construction Martin Lake Impoundments, Martin Lake Steam Electric Station. September 16.
- HDR, 2020. Retrofit Plan for Ash Pond Area East ASh Pond, West Ash Pond and New Scrubber Pond, Martin Lake Steam Electric Station. February 28.

### APPENDIX A

## Ash Pond Liner Retrofits Engineering Drawings



Firm Registration No. F-754 17111 Preston Road, Suite 300 Dallas, Texas 75248-1229 972.960.4400





VICINITY MAP

Construction Drawings For

## **Martin Lake Steam Electric Station**

## **CCR** Impoundment Reline East Ash Pond

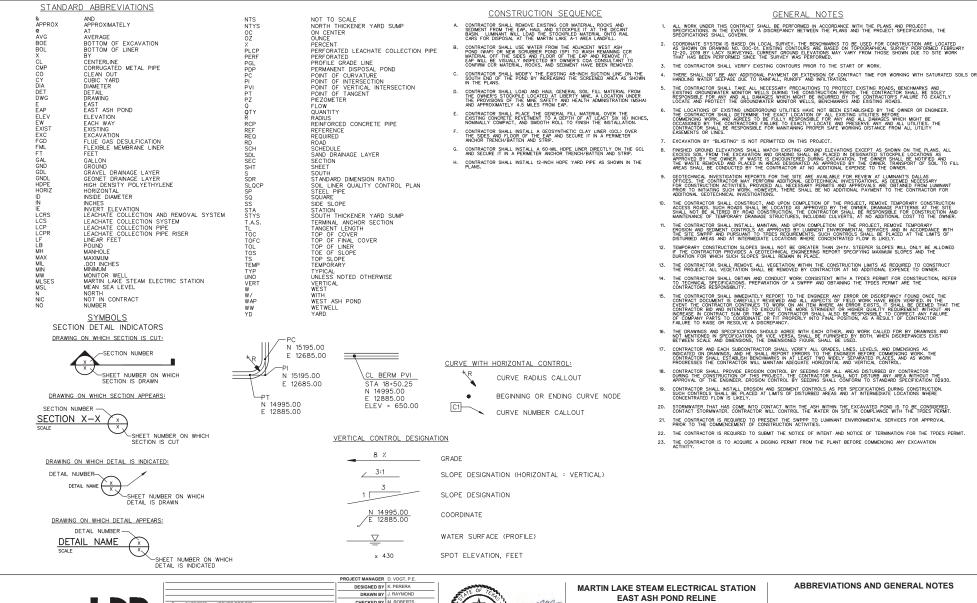
Project No. 10172630

Rusk County, Texas January 2020

### INDEX OF DRAWINGS

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MODIFIED YARD PIPING
YARD PIPING CONNECTIONS AND DETAILS
YARD PIPING CONNECTIONS AND DETAILS
YARD PIPING DETAILS
STOCKPILE AND HAUL ROUTE





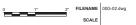




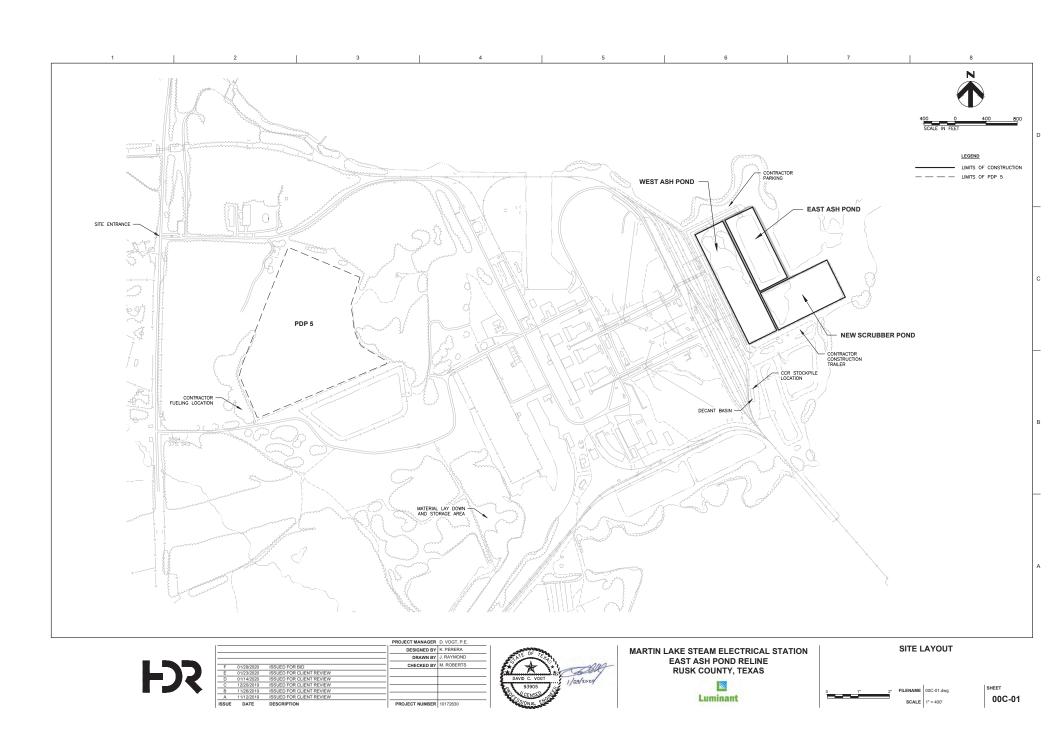


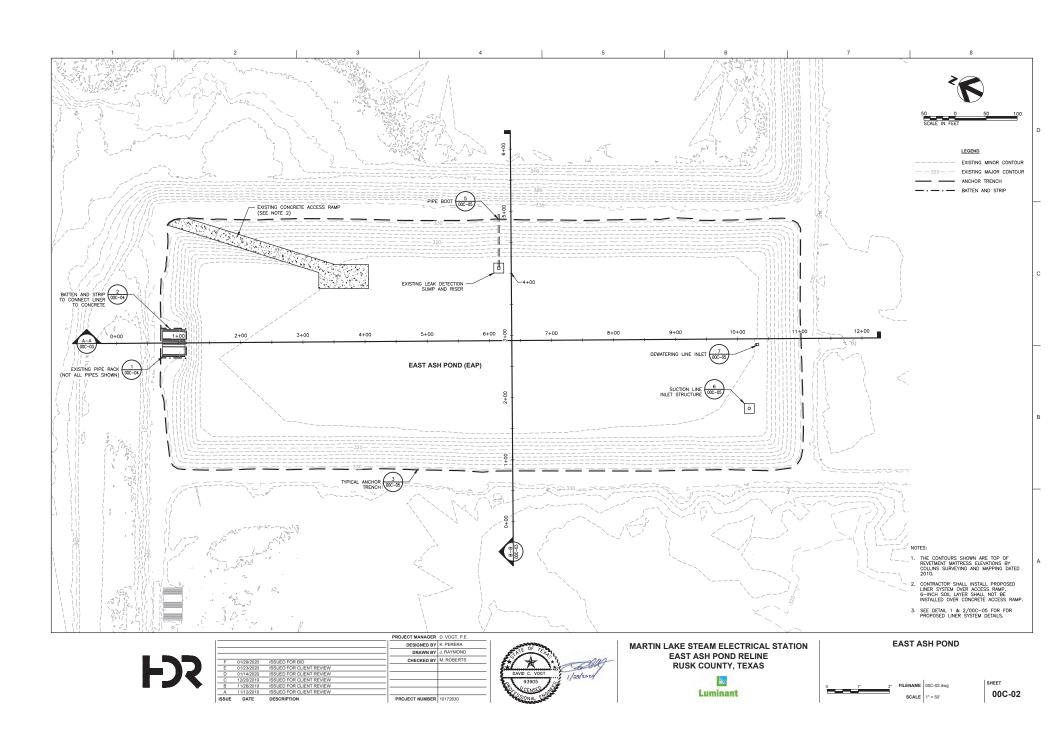
**RUSK COUNTY, TEXAS** 

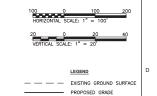


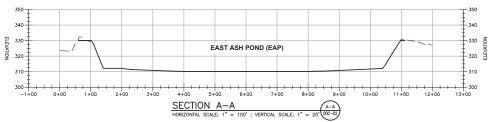


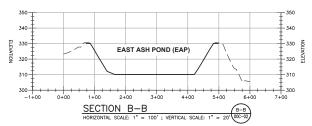
SHEET 00G-02













			PROJECT MANAGER	D. VOGT, P.E.
			DESIGNED BY	K. PERERA
			DRAWN BY	J. RAYMOND
F	01/29/2020	ISSUED FOR BID	CHECKED BY	M. ROBERTS
E	01/23/2020	ISSUED FOR CLIENT REVIEW		
D	01/14/2020	ISSUED FOR CLIENT REVIEW		
С	12/20/2019	ISSUED FOR CLIENT REVIEW		
В	11/26/2019	ISSUED FOR CLIENT REVIEW		
A	11/12/2019	ISSUED FOR CLIENT REVIEW		
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	10172630

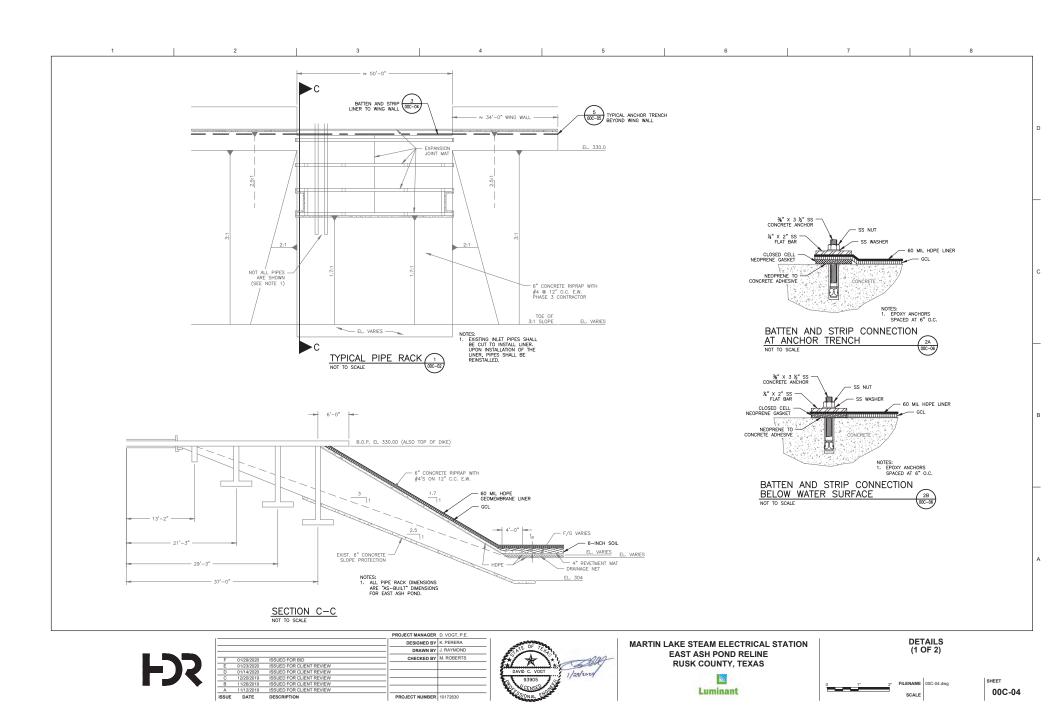


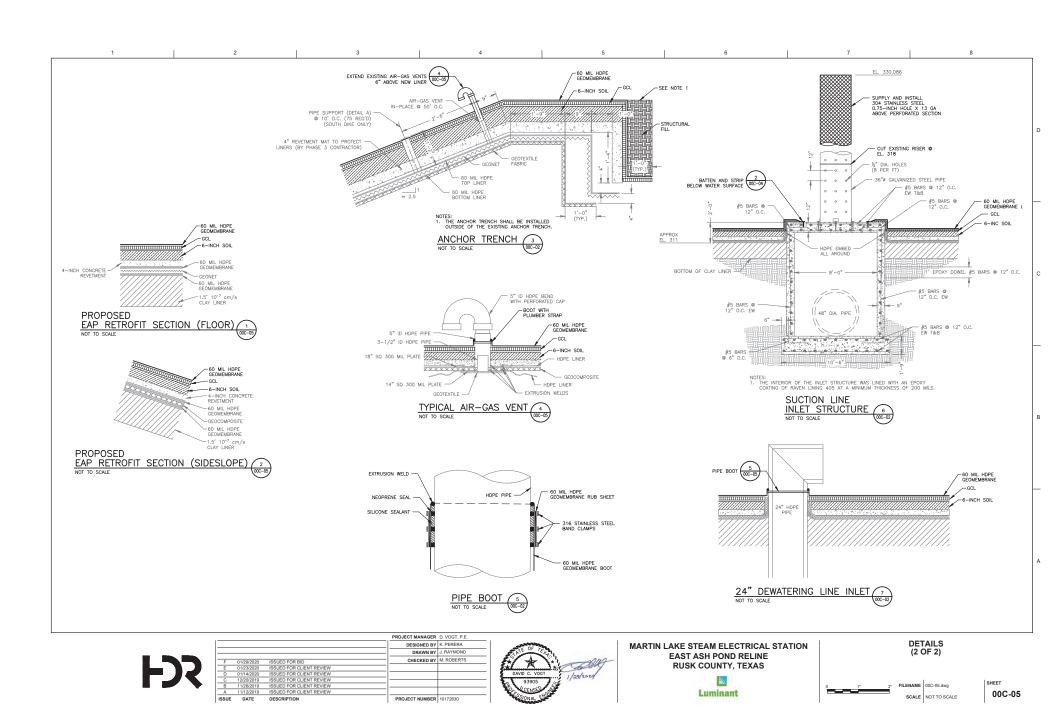
MARTIN LAKE STEAM ELECTRICAL STATION EAST ASH POND RELINE RUSK COUNTY, TEXAS

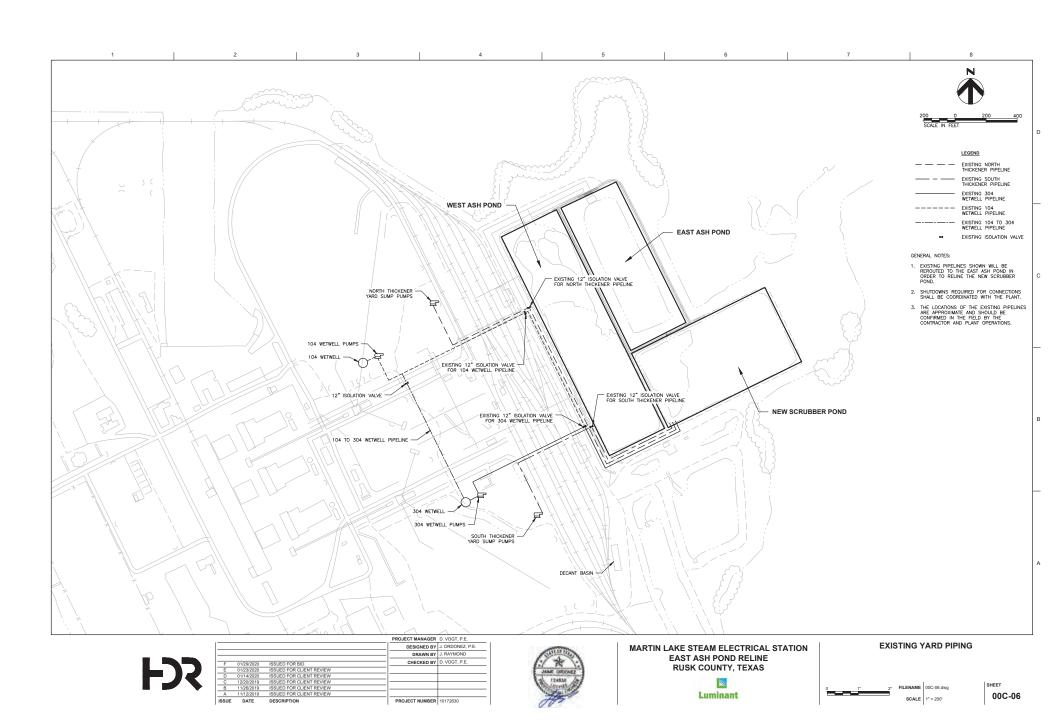


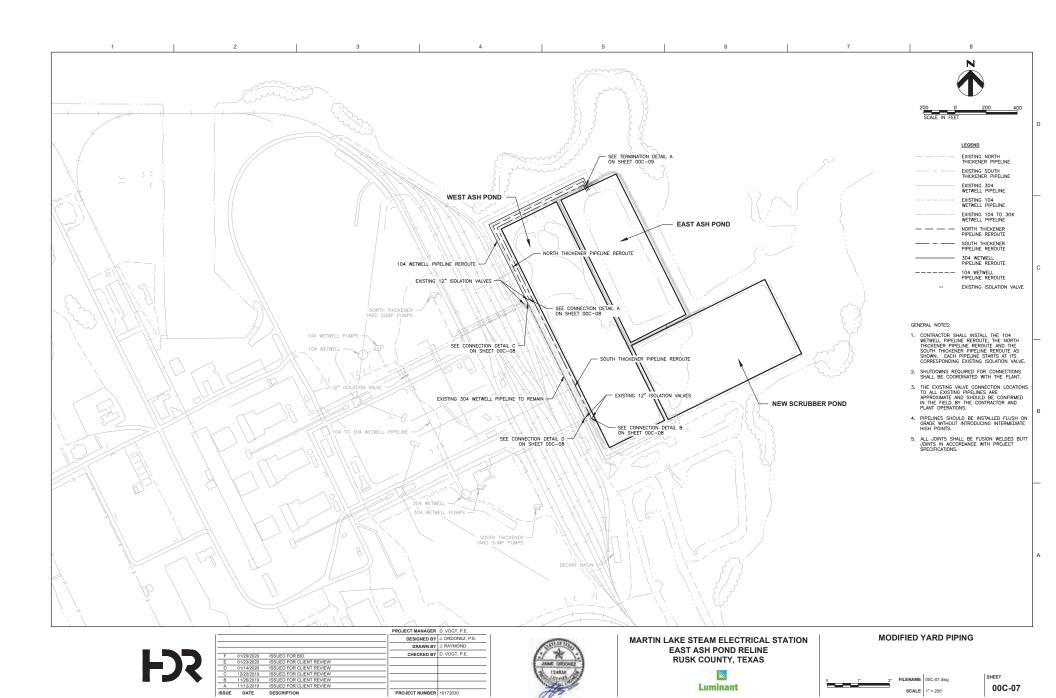


**CROSS SECTIONS** 



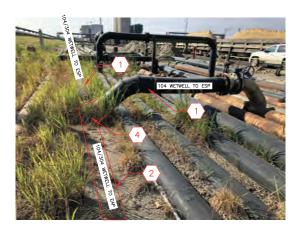








CONNECTION TO NORTH THICKENER PIPELINE (A 000-07)



CONNECTION TO 104 WETWELL TO ESP PIPELINE C WC-07/



CONNECTION TO SOUTH THICKENER PIPELINE B 000C-07/



CONNECTION TO 304 WETWELL TO ESP PIPELINE CONTROL TO TO SCALE



- SHUTDOWNS REQUIRED FOR CONNECTIONS SHALL BE COORDINATED WITH THE PLANT.
- 2. THE CONNECTIONS LOCATION TO ALL EXISTING PIPELINES ARE APPROXIMATE AND SHOULD BE CONFIRMED IN THE FIELD BY THE CONTRACTOR AND PLANT OPERATIONS.
- CONNECTIONS C AND D MUST BOTH BE COMPLETE BEFORE MAKING EITHER OF THESE LINES OPERATIONAL.
- ALL PIPE AND FITTING SIZES SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING OR MANUFACTURING OF PIPE.

KEY NOTES:

- 1 EXISTING TO REMAIN
- 2 PIPELINE REROUTE
- 3 12" ISOLATION VALVE

4 > INSTALL SIZE ON SIZE TEE

**FDR** 

	DESIGNED BY	J. ORDONEZ, P.E.
	DRAWN BY	J. RAYMOND
F 01/29/2020 ISSUED FOR BID	CHECKED BY	D. VOGT, P.E.
E 01/23/2020 ISSUED FOR CLIENT REVIEW		
D 01/14/2020 ISSUED FOR CLIENT REVIEW		
C 12/20/2019 ISSUED FOR CLIENT REVIEW		
B 11/26/2019 ISSUED FOR CLIENT REVIEW		
A 11/12/2019 ISSUED FOR CLIENT REVIEW		
ISSUE DATE DESCRIPTION	PROJECT NUMBER	10172630

PROJECT MANAGER D. VOGT, P.E.



MARTIN LAKE STEAM ELECTRICAL STATION EAST ASH POND RELINE RUSK COUNTY, TEXAS



VADD	DIDING	CONNECTIONS	AND DETAILS





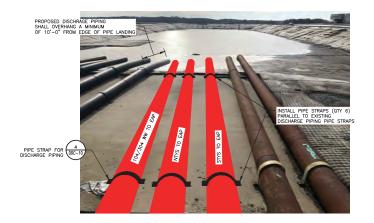
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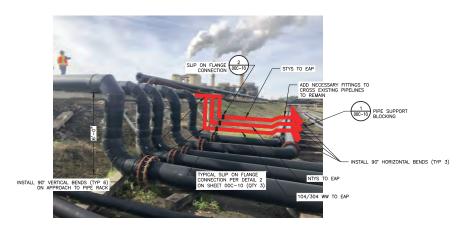
TERMINATION DETAIL A AT EXISTING PIPE RACK (A) NOT TO SCALE



TERMINATION DETAIL C AT EXISTING PIPE RACK C NOT TO SCALE



## TERMINATION DETAIL B AT EXISTING PIPE RACK B 00C-09



TERMINATION DETAIL D AT EXISTING PIPE RACK D ORDER OF THE PROPERTY OF THE PROP



	DESIGNED BY	J. ORDONEZ, P.E.
	DRAWN BY	J. RAYMOND
F 01/29/2020 ISSUED FOR BID	CHECKED BY	D. VOGT, P.E.
E 01/23/2020 ISSUED FOR CLIENT REVIEW		
D 01/14/2020 ISSUED FOR CLIENT REVIEW		
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A 11/12/2019 ISSUED FOR CLIENT REVIEW		
ISSUE DATE DESCRIPTION	PROJECT NUMBER	10172630
		'

PROJECT MANAGER D. VOGT, P.E.



MARTIN LAKE STEAM ELECTRICAL STATION EAST ASH POND RELINE RUSK COUNTY, TEXAS



#### YARD PIPING CONNECTIONS AND DETAILS

GENERAL NOTES:

 EXISTING PIPELINES SHOWN SHALL BE REROUTED TO THE EAST ASH POND IN ORDER TO RELINE THE NEW SCRUBBER POND.

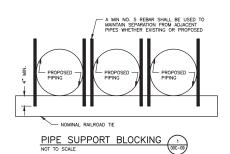
2. SHUTDOWNS PROJUEDED FOR CONNECTIONS SHALL BE COORDINATED WITH THE PLANT.

3. THE CONNECTIONS LOCATION TO ALL EXISTING PIPELINES ARE APPROXIMATE AND SHOULD BE CONFIRMED IN THE FIELD BY THE CONTRICTOR AND PLANT OPERATIONS.

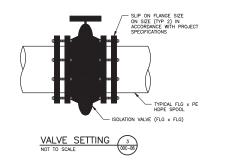
A LL JOINTS SHALL BE FUSION WELDED BUT JOINTS IN ACCORDANCE WITH PROJECT SPECIFICATIONS, UNLESS DITHERMISE NOTED.

5. ALL PIPE AND FITTING SIZES SHALL BE CONFIRMED IN THE FIELD BY THE CONFIRMED IN THE FIELD BY THE CONFIRMED OF PIPER ADMINISTRATION OF PIPER.

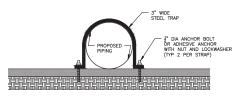


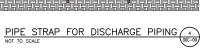


- DO NOT USE OR INSTALL A GASKET BETWEEN THE TWO HDPE FLANGES SLIP ON STEEL FLANGE CLASS 150 (TYP 2) ALL COMPONENTS SHALL BE IN ACCORDANCE
WITH PROJECT SPECIFICATIONS BUTT FUSED FLANGE x PLAIN END HDPE SPOOL (TYPICAL EACH SIDE)



SLIP ON FLANGE CONNECTION 2 NOT TO SCALE 000C-09





			DESIGNED BY	J. ORDONEZ, P.E.
			DRAWN BY	J. RAYMOND
F	01/29/2020	ISSUED FOR BID	CHECKED BY	D. VOGT, P.E.
E	01/23/2020	ISSUED FOR CLIENT REVIEW		
D	01/14/2020	ISSUED FOR CLIENT REVIEW		
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В	11/26/2019	ISSUED FOR CLIENT REVIEW		
A	11/12/2019	ISSUED FOR CLIENT REVIEW		
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	10172630
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PROJECT MANAGER D. VOGT, P.E.



MARTIN LAKE STEAM ELECTRICAL STATION EAST ASH POND RELINE **RUSK COUNTY, TEXAS** 



YARD PI	PING	DETAILS
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FILENAME 00C-10.dwg SCALE NOT TO SCALE SHEET 00C-10



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	В	11/26/2019	ISSUED FOR CLIENT REVIEW		
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	D	01/14/2020	ISSUED FOR CLIENT REVIEW		
	E	01/23/2020	ISSUED FOR CLIENT REVIEW		
	F	01/29/2020	ISSUED FOR BID	CHECKED BY	M. ROBERTS
				DRAWN BY	J. RAYMOND
				DESIGNED BY	K. PERERA



MARTIN LAKE STEAM ELECTRICAL STATION EAST ASH POND RELINE RUSK COUNTY, TEXAS





SCALE 1" = 600"







VICINITY MAP

Construction Drawings For

## Martin Lake Steam Electric Station

# CCR Impoundment Reline West Ash Pond

Project No. 10172630

Rusk County, Texas January 2020

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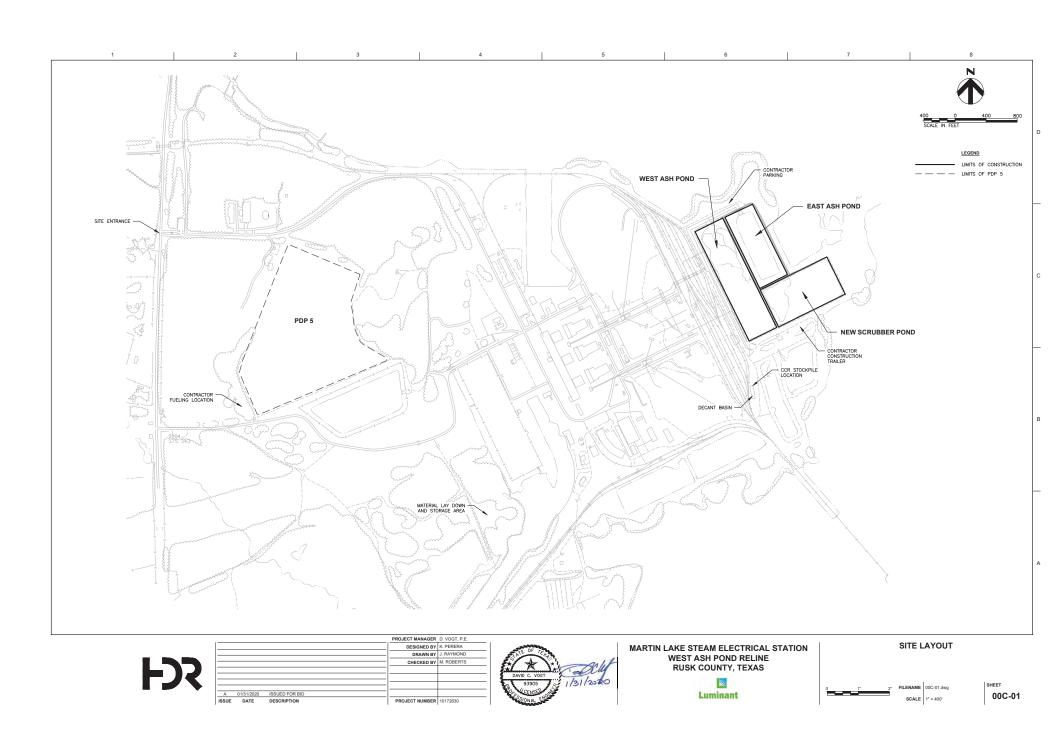


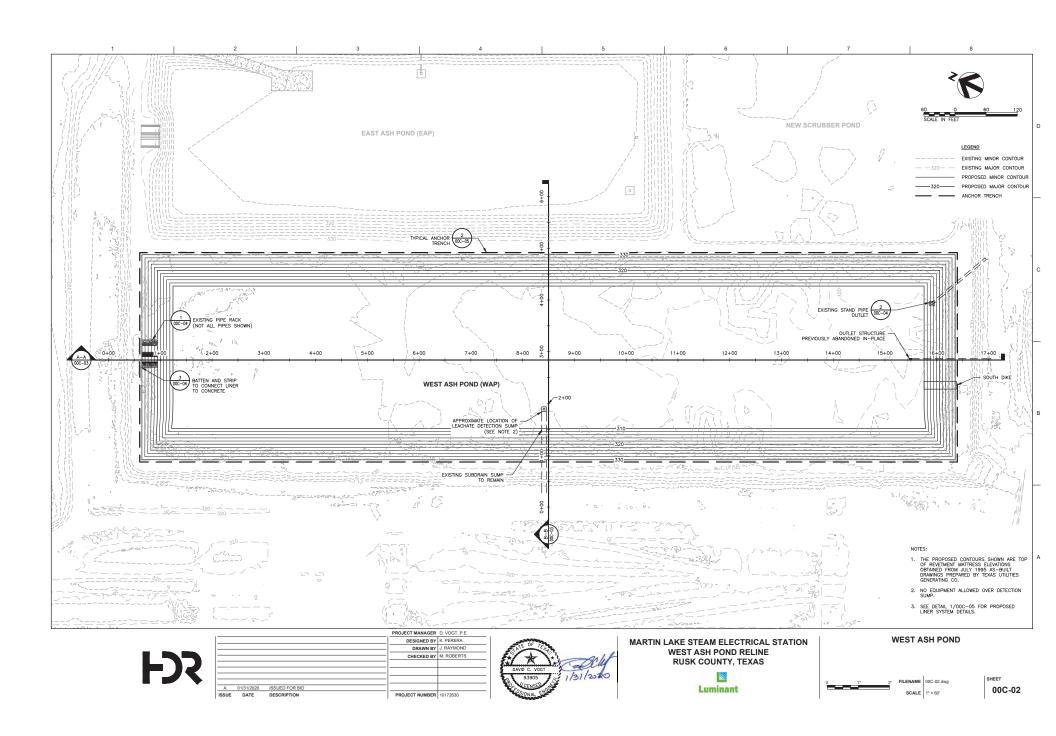
WEST ASH POND RELINE
RUSK COUNTY, TEXAS





00G-02





20 0 2 VERTICAL SCALE: 1" = 20 LEGEND ---- TOP OF CCR MATERIAL - - - EXISTING GROUND SURFACE - PROPOSED GRADE NOTES: 1. CCR ELEVATION FROM BATHYMETRIC SURVEY TAKEN FEBRUARY 2019 BY LACEY SURVEYING OF ARP, TEXAS. AT START OF PROJECT, OWNER WILL HAVE REMOVED BULK OF CCR MATERIAL FROM THE WEST ASH POND CONTRACTOR WILL REMOVE REMAINING CCR MATERIAL, ROCKS AND SEDIMENT WITHIN POND BEFORE INSTALLATION OF THE LINER SYSTEM. 340-340 340--340 - SEE NOTE 1 330-- 330 330-- 330 320 320 320-320 WEST ASH POND (WAP) WEST ASH POND (WAP) 310 300--300 300-300 1 290 1 290 290 SECTION A-A

HORIZONTAL SCALE: 1" = 100"; VERTICAL SCALE: 1" = 20" (000-02) SECTION B-B

HORIZONTAL SCALE: 1" = 100"; VERTICAL SCALE: 1" = 20" (000-02) PROJECT MANAGER D. VOGT, P.E. CROSS SECTIONS DESIGNED BY K. PERERA





DRAWN BY J. RAYMOND

CHECKED BY M. ROBERTS

PROJECT NUMBER 10172630

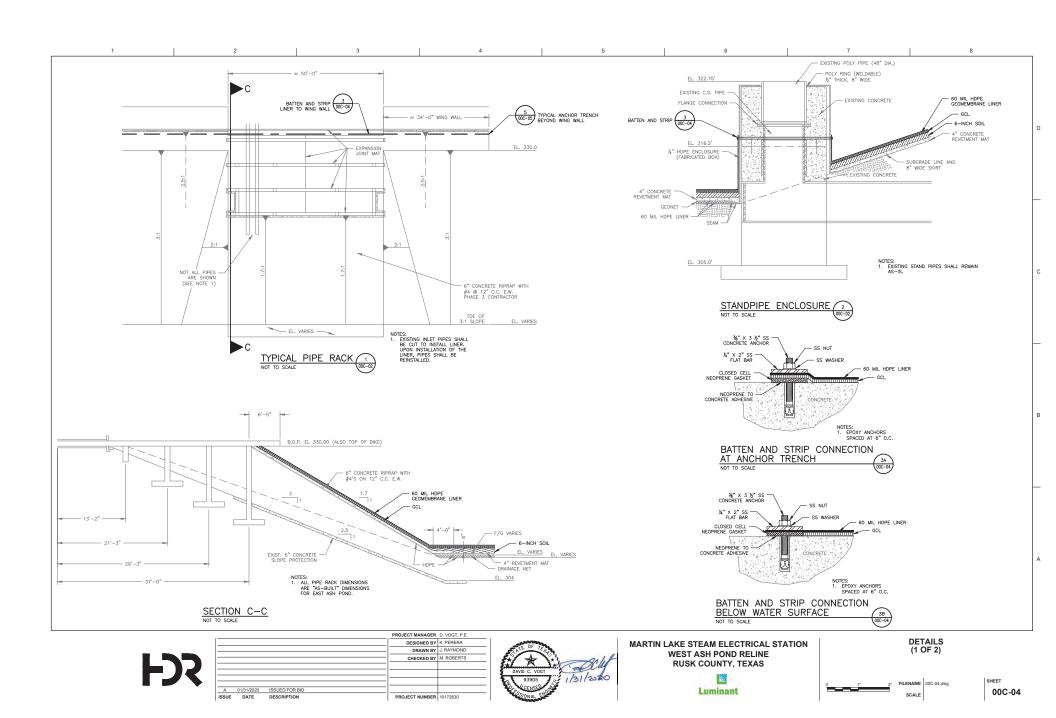
MARTIN LAKE STEAM ELECTRICAL STATION WEST ASH POND RELINE RUSK COUNTY, TEXAS

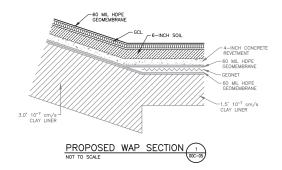


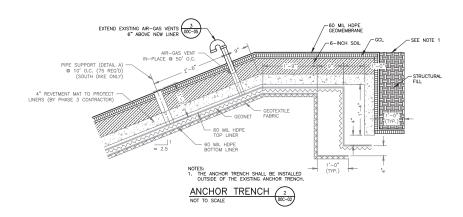
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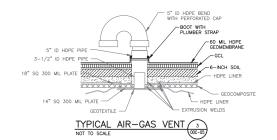
SHEET











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ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	10172630
Α	01/31/2020	ISSUED FOR BID		
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			CHECKED BY	M. ROBERTS
			DRAWN BY	J. RAYMOND
			DESIGNED BY	K. PERERA
			PROJECT MANAGER	D. VOGT, P.E.



MARTIN LAKE STEAM ELECTRICAL STATION
WEST ASH POND RELINE
RUSK COUNTY, TEXAS





SCALE NOT TO SCALE



**FDR** 

ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	10172630
A	01/31/2020	ISSUED FOR BID		
			CHECKED BY	M. ROBERTS
			DRAWN BY	J. RAYMOND
			DESIGNED BY	K. PERERA
			PROJECT MANAGER	D. VOGT, P.E.



MARTIN LAKE STEAM ELECTRICAL STATION WEST ASH POND RELINE RUSK COUNTY, TEXAS





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VICINITY MAP

Construction Drawings For

## **Martin Lake Steam Electric Station**

## **CCR** Impoundment Reline New Scrubber Pond

Project No. 10172630

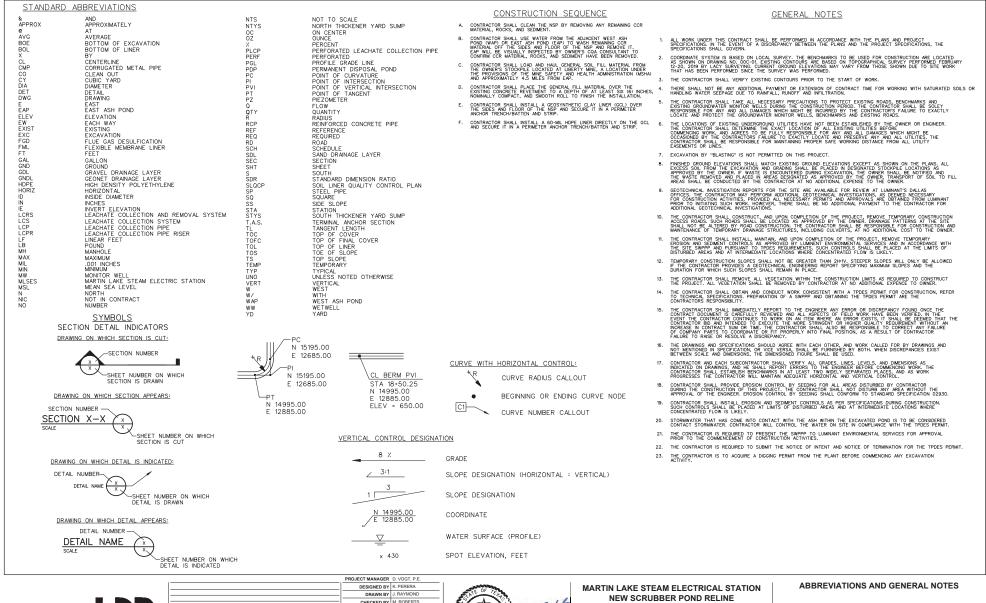
Rusk County, Texas January 2020

#### INDEX OF DRAWINGS

GENERAL
00G-01 COVER SHEET
00G-02 ABBREVIATIONS AND GENERAL NOTES

SITE LAYOUT NEW SCRUBBER POND ROSS SECTIONS DETAILS (1 OF 2) DETAILS (2 OF 2) STOCKPILE AND HAUL ROUTE







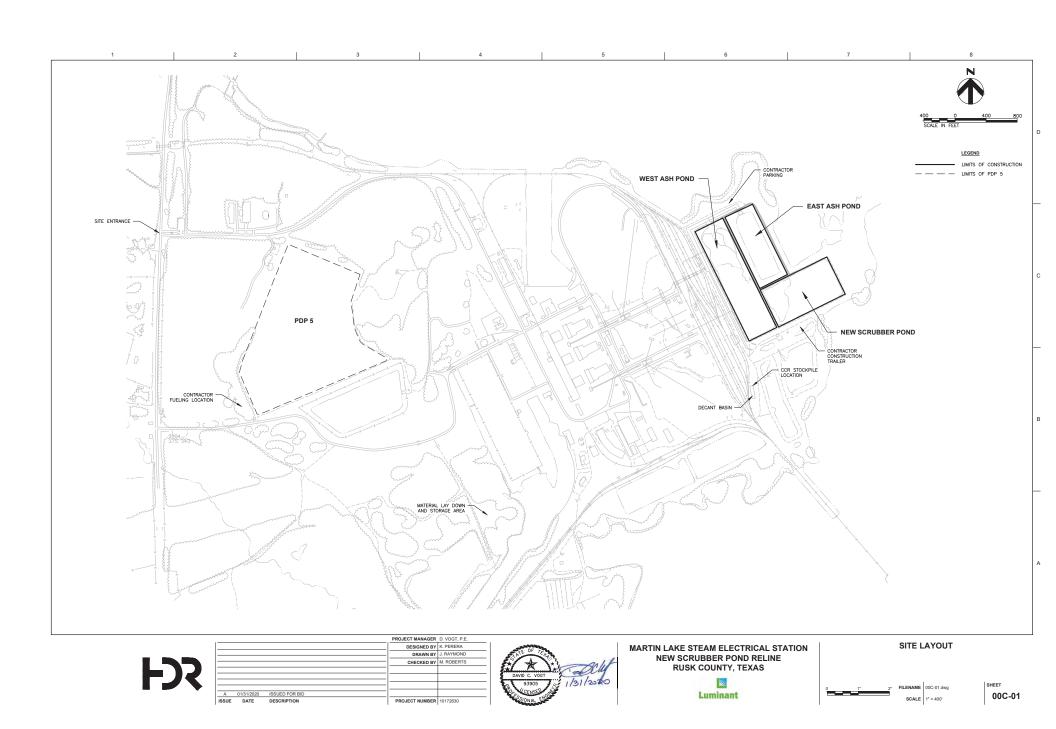


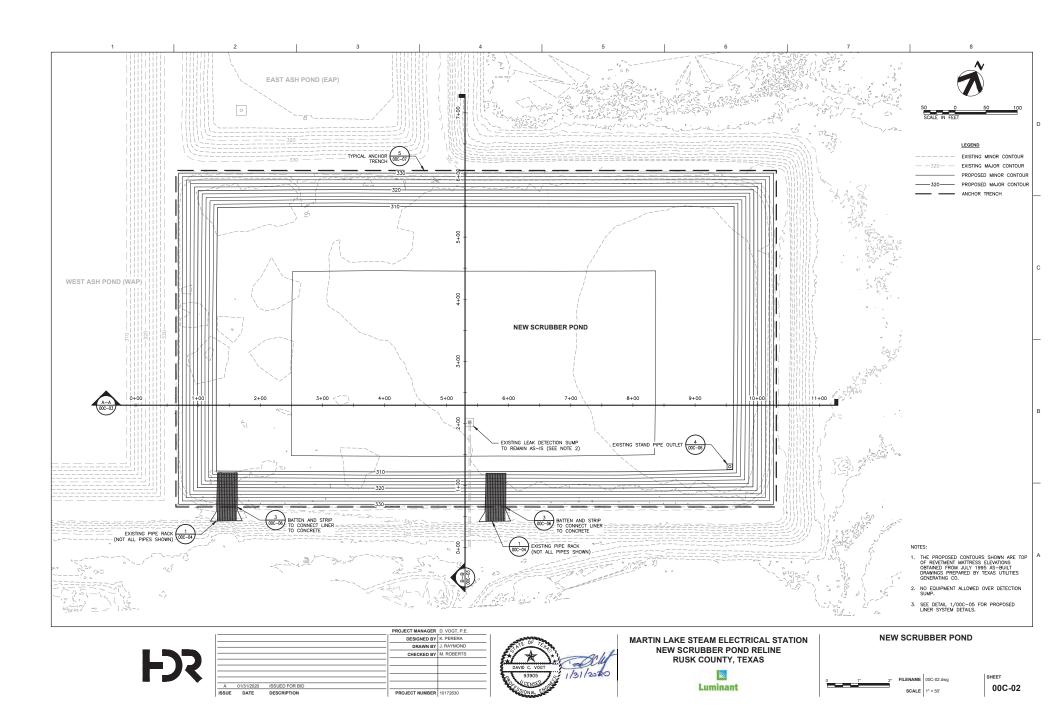
NEW SCRUBBER POND RELINE **RUSK COUNTY, TEXAS** 

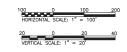




SHEET 00G-02





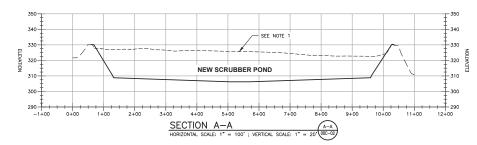


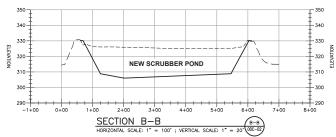
LEGEND

PROPOSED GRADE

#### NOTES:

- 1. CCR ELEVATION FROM BATHYMETRIC SURVEY TAKEN FEBRUARY 2019 BY LACEY SURVEYING OF ARP, TEXAS, AT START OF PROJECT, OWNER WILL HAVE REMOVED BULK OF CCR MATERIAL FROM THE NEW SCRUBBER POND
- CONTRACTOR WILL REMOVE REMAINING CCR MATERIAL, ROCKS AND SEDIMENT WITHIN POND BEFORE INSTALLATION OF THE LINER SYSTEM.





**FDR** 

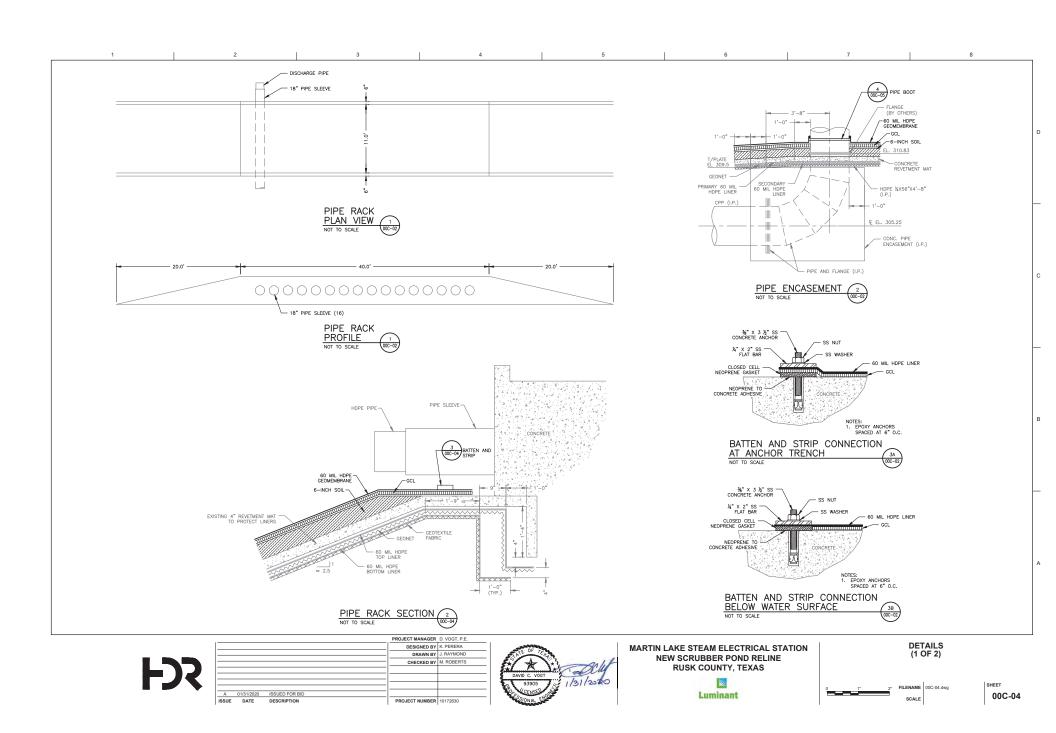
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	10172630
A	01/31/2020	ISSUED FOR BID		
			 CHECKED BY	M. ROBERTS
			 DRAWN BY	J. RAYMOND
			DESIGNED BY	K. PERERA
			PROJECT MANAGER	D. VOGT, P.E.

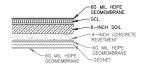


MARTIN LAKE STEAM ELECTRICAL STATION NEW SCRUBBER POND RELINE RUSK COUNTY, TEXAS

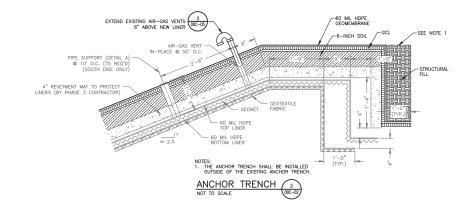


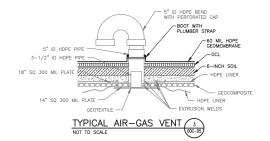


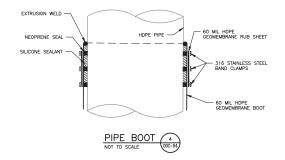




## PROPOSED NEW SCRUBBER POND RETROFIT SECTION 1. MOT TO SCALE









	CHECKED BY	M. ROBERTS
	DRAWN BY	J. RAYMOND
	DESIGNED BY	K. PERERA



MARTIN LAKE STEAM ELECTRICAL STATION NEW SCRUBBER POND RELINE RUSK COUNTY, TEXAS



6	DETAILS
	(2 OF 2)
,	



оос-05



**FDS** 

ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	10172630
A	01/31/2020	ISSUED FOR BID		
			 CHECKED BY	M. ROBERTS
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			DESIGNED BY	K. PERERA
			PROJECT MANAGER	D. VOGT, P.E.



MARTIN LAKE STEAM ELECTRICAL STATION NEW SCRUBBER POND RELINE RUSK COUNTY, TEXAS





FILENAME 00C-06.do

00C-06

## **APPENDIX B**

EAP and WAP Pond Liner Retrofits
As-Built Drawings







VICINITY MAP

As-built Drawings For

## Martin Lake Steam Electric Station

CCR Impoundment Reline
East Ash Pond
As-Constructed Liner Drawings

Project No. 10172630

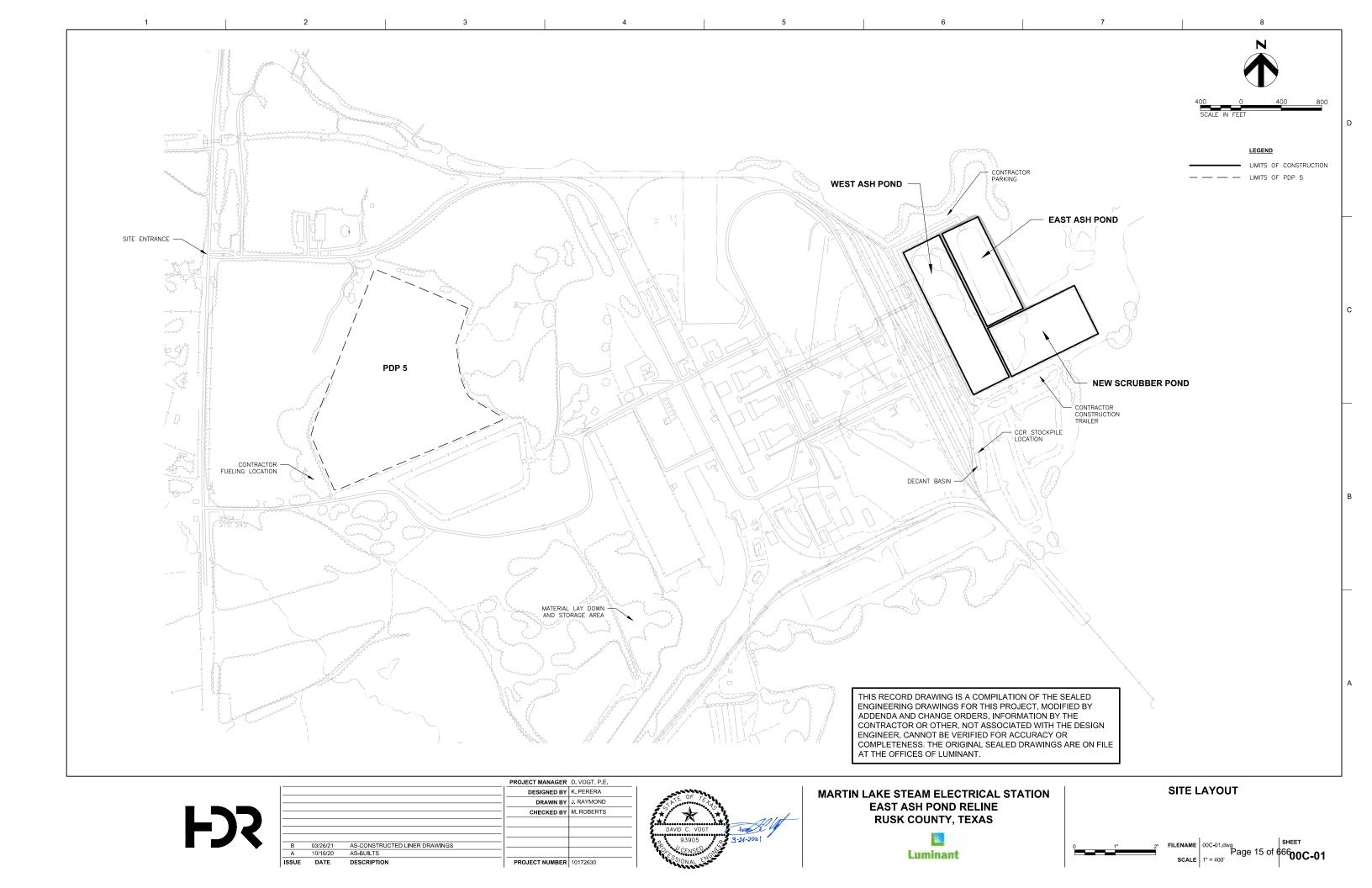
Rusk County, Texas March 2021

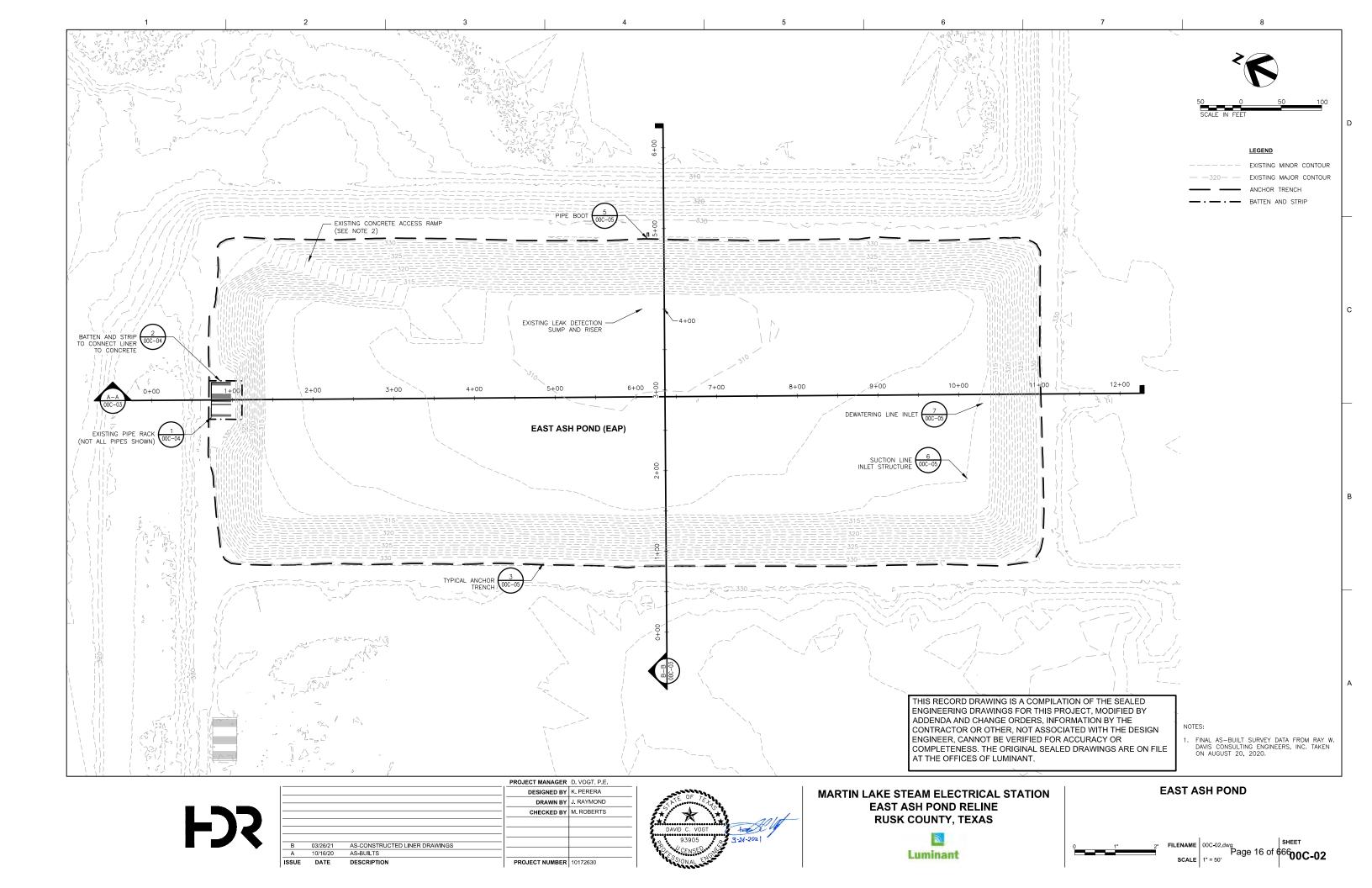
THIS RECORD DRAWING IS A COMPILATION OF THE SEALED ENGINEERING DRAWINGS FOR THIS PROJECT. MODIFIED BY ADDENDA AND CHANGE ORDERS, INFORMATION BY THE CONTRACTOR OR OTHER, NOT ASSOCIATED WITH THE DESIGN ENGINEER, CANNOT BE VERIFIED FOR ACCURACY OR COMPLETENESS. THE ORIGINAL SEALED DRAWINGS ARE ON FILE AT THE OFFICES OF LUMINANT.

## INDEX OF DRAWINGS

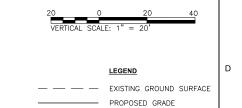
# GENERAL 00G-01 COVER SHEET CIVIL 00C-01 SITE LAYOUT 00C-02 EAST ASH POND 00C-03 CROSS SECTIONS 00C-04 DETAILS (1 0 F 2) 00C-05 DETAILS (2 0 F 2) 00C-06 GGL PANEL LAYOUT HDPE PANEL LAYOUT



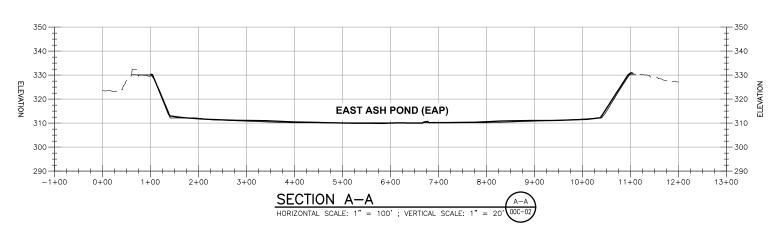


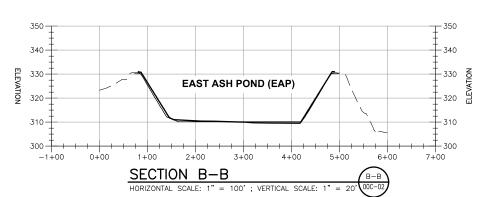


1 2 3 4 5 6 7 8



- ASBUILT GRADE



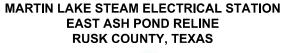


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			PROJECT MANAGER	D. VOGT, P.E.
			DESIGNED BY	K. PERERA
			 DRAWN BY	J. RAYMOND
			 CHECKED BY	M. ROBERTS
В	03/26/21	AS-CONSTRUCTED LINER DRAWINGS		
Α	10/16/20	AS-BUILTS		
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	10172630
			•	•



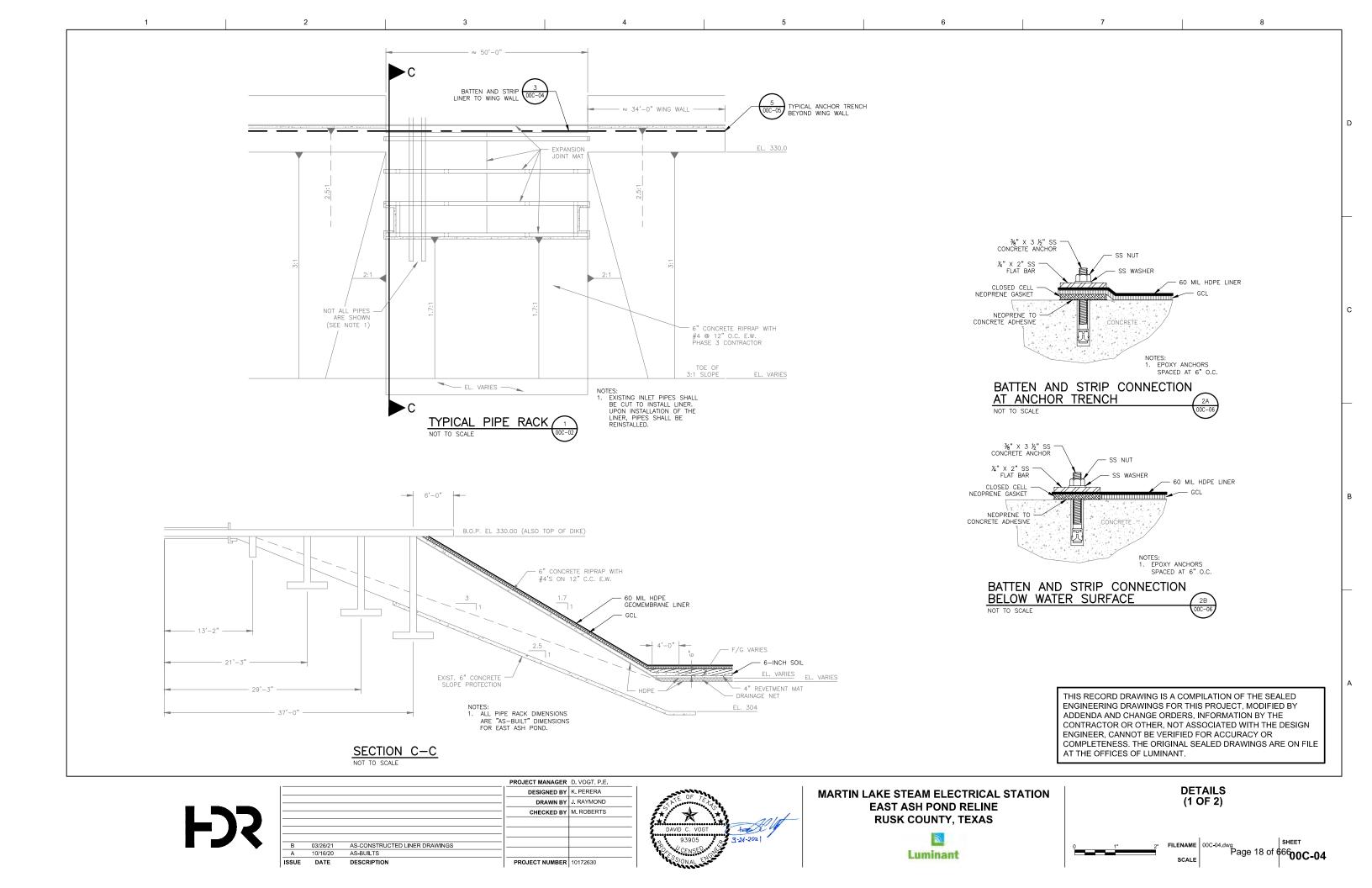


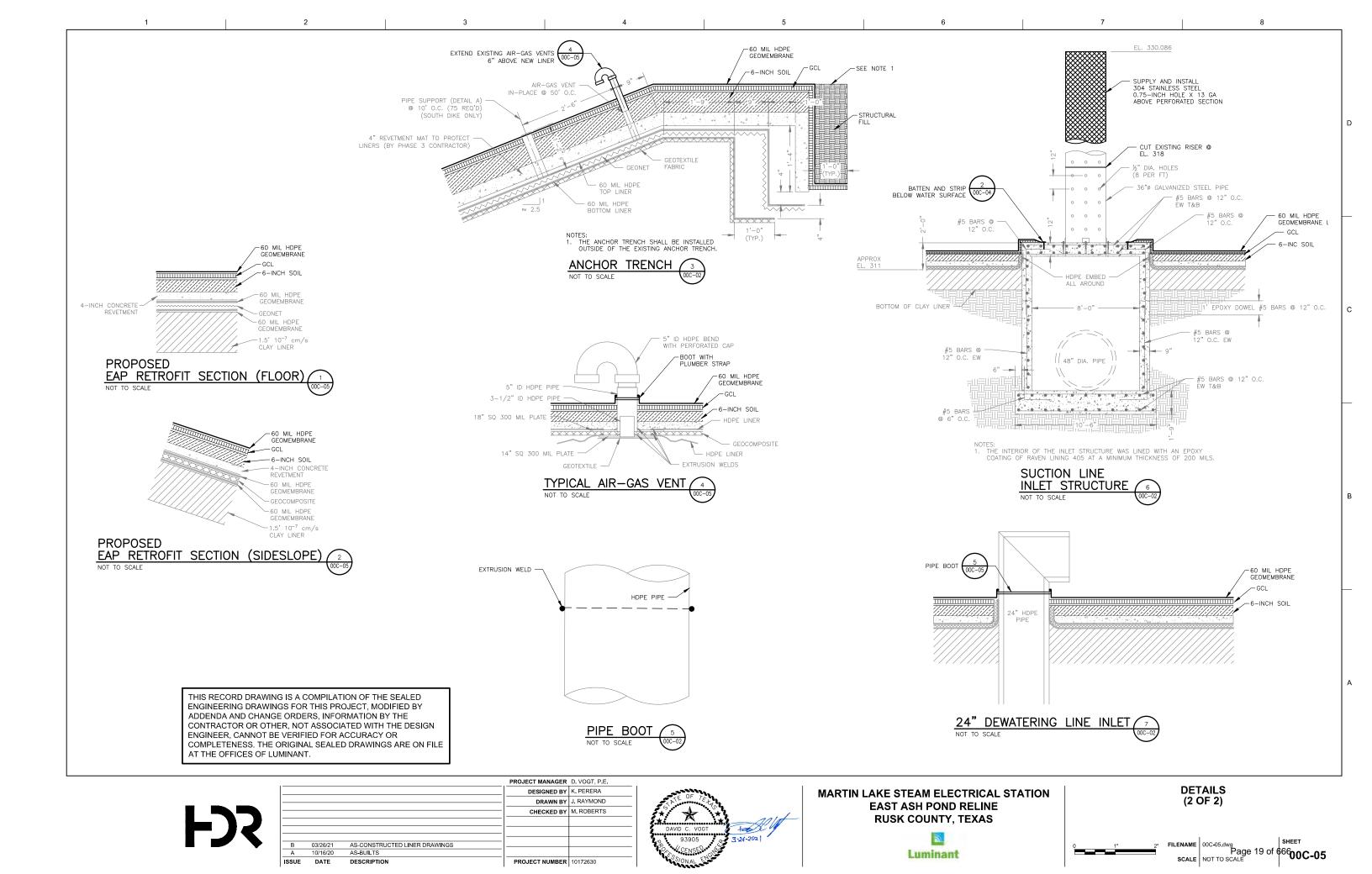






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G169 G380 G168 G167 G166 G1 G162 G161 G159 G160 G158 G156 G157 G324 G261 G155 G10 G153 G154 G12 G152 G342 G341 G340 G332 G331 G330 G151 G150 G149 G320 G146 G20 G144 G23 G22 G273 G272 G27 G143 G303 G302 G301 G300 G291 G290 G288 G287 G315 G314 G250 G237 G238 G242 G24 G263 G141 G274 G26 G354 G139 G140 G119 G117 G43 G41 G39 G63 G28 G138 G137 G57 G30 G135 THIS RECORD DRAWING IS A COMPILATION OF THE SEALED ENGINEERING DRAWINGS FOR THIS PROJECT, MODIFIED BY ADDENDA AND CHANGE ORDERS, INFORMATION BY THE CONTRACTOR OR OTHER, NOT ASSOCIATED WITH THE DESIGN ENGINEER, CANNOT BE VERIFIED FOR ACCURACY OR COMPLETENESS. THE ORIGINAL SEALED DRAWINGS ARE ON FILE AT THE OFFICES OF LUMINANT. PROJECT MANAGER D. VOGT, P.E. **GCL PANEL LAYOUT** DESIGNED BY K. PERERA MARTIN LAKE STEAM ELECTRICAL STATION DRAWN BY J. RAYMOND **EAST ASH POND RELINE FDR** CHECKED BY M. ROBERTS **RUSK COUNTY, TEXAS** 

AS-CONSTRUCTED LINER DRAWINGS
AS-BUILTS

PROJECT NUMBER 10172630

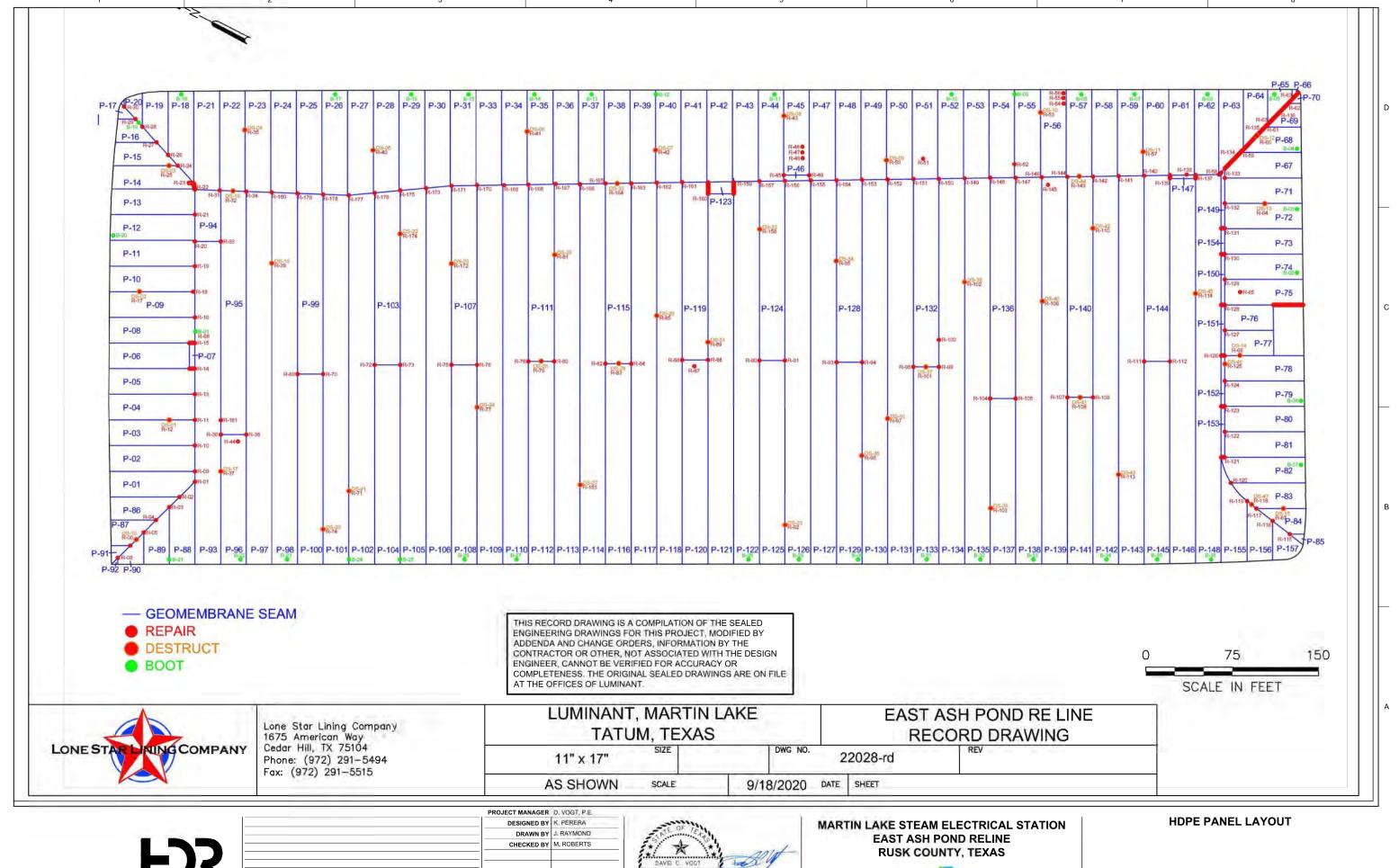
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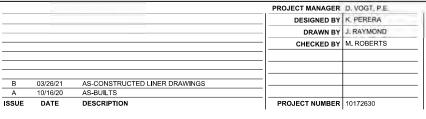
ISSUE DATE

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VICINITY MAP

As-Built Drawings For

## Martin Lake Steam Electric Station

# CCR Impoundment Reline West Ash Pond

Project No. 10172630

Rusk County, Texas February 2022

THIS RECORD DRAWING IS A COMPILATION OF THE SEALED ENGINEERING DRAWINGS FOR THIS PROJECT, MODIFIED BY ADDENDA AND CHANGE ORDERS, INFORMATION BY THE CONTRACTOR OR OTHER, NOT ASSOCIATED WITH THE DESIGN ENGINEER, CANNOT BE VERIFIED FOR ACCURACY OR COMPLETENESS. THE ORIGINAL SEALED DRAWINGS ARE ON FILE AT THE OFFICES OF LUMINANT.

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#### GENERAL

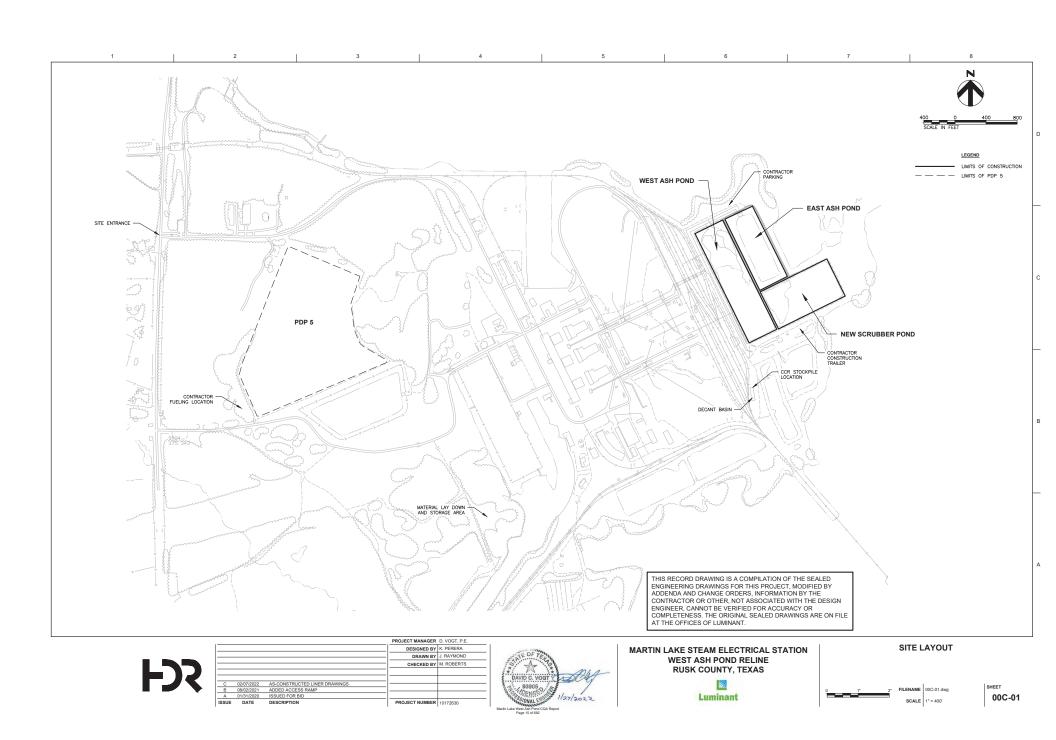
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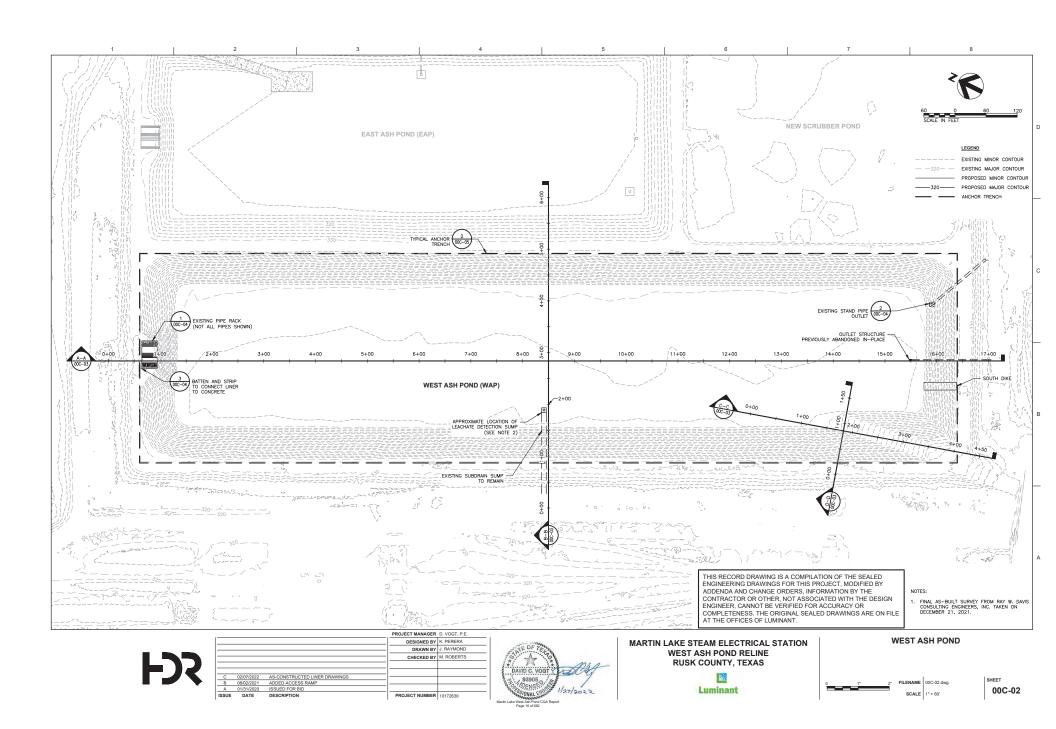
CIVIL

C-01 SITE LAYOUT
C-02 WEST ASH PONE
C-03 CROSS SECTION

0C-05 DETAILS (2 OF 2) 0C-06 HDPE PANEL LAYOUT







SCALE: 1" = 20 LEGEND — — EXISTING GROUND SURFACE - PROPOSED GRADE - ASBUILT GRADE 340-340 340--330 330 ---330 330-- 320 ELEVATION 320--320 320 WEST ASH POND (WAP) WEST ASH POND (WAP) -310 310-300--300 300 -- 300 1 290 290 290 T 0+00 10+00 11+00 12+00 SECTION B-B

HORIZONTAL SCALE: 1" = 100'; VERTICAL SCALE: 1" = 20' (000-02) SECTION A-A HORIZONTAL SCALE: 1" = 100'; VERTICAL SCALE: 1" = 20' 00C-02 350-340--340 340--340 WEST ASH POND - 330 --330 WEST ASH POND (WAP) (WAP) -320 NOLY 320 -- 320 320-310----310 310-. -- 310 --- 300 - 300 290 + + 0+00 1+00 5+00 0+00 1+00 2+00 2+00 SECTION C-C

HORIZONTAL SCALE: 1" = 100'; VERTICAL SCALE: 1" = 20' (000-02) SECTION D-D THIS RECORD DRAWING IS A COMPILATION OF THE SEALED HORIZONTAL SCALE: 1" = 100'; VERTICAL SCALE: 1" = 20'(00C-02) ENGINEERING DRAWINGS FOR THIS PROJECT, MODIFIED BY ADDENDA AND CHANGE ORDERS, INFORMATION BY THE CONTRACTOR OR OTHER, NOT ASSOCIATED WITH THE DESIGN ENGINEER, CANNOT BE VERIFIED FOR ACCURACY OR COMPLETENESS. THE ORIGINAL SEALED DRAWINGS ARE ON FILE AT THE OFFICES OF LUMINANT.



ISSUE	DATE	DESCRIPTION		PROJECT NUMBER	10172630
A	01/31/2020	ISSUED FOR BID	_		
В	08/02/2021	ADDED ACCESS RAMP	=		
C	02/07/2022	AS-CONSTRUCTED LINER DRAWINGS			
			_		
			Ξ		
			_	CHECKED BY	M. ROBERTS
			_	DRAWN BY	J. RAYMOND
				DESIGNED BY	K. PERERA
				PROJECT MANAGER	D. VOGT, P.E.



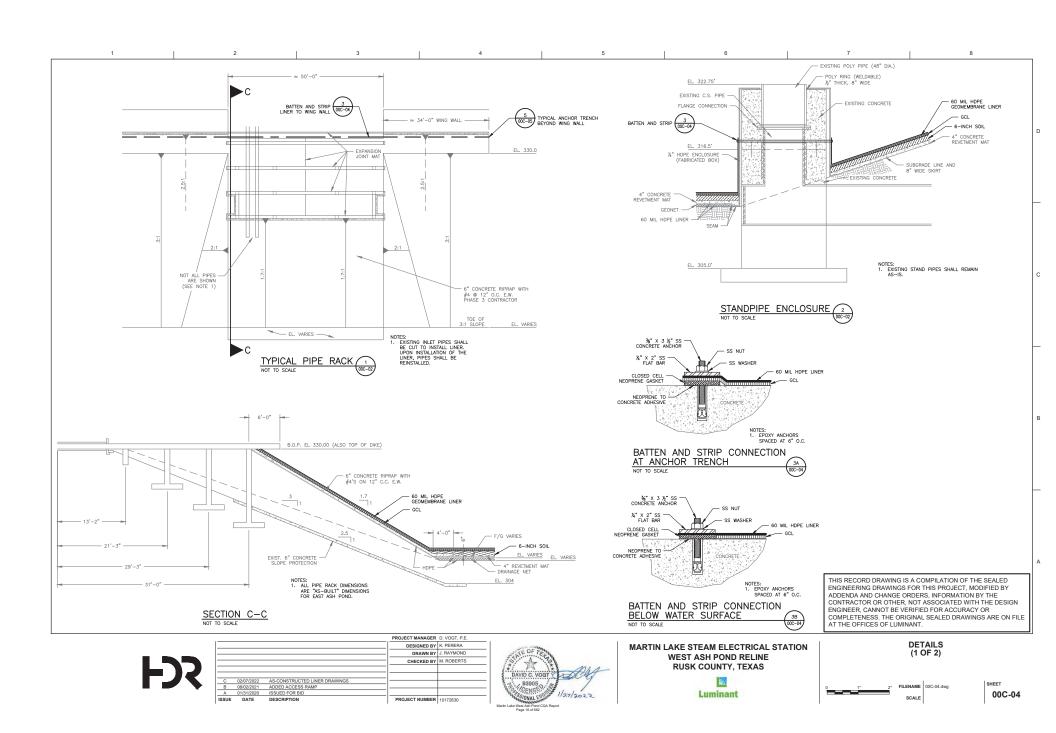
MARTIN LAKE STEAM ELECTRICAL STATION WEST ASH POND RELINE RUSK COUNTY, TEXAS

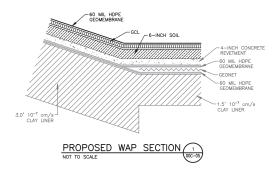


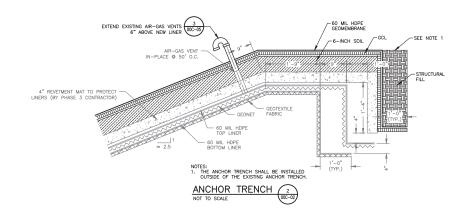
## CROSS SECTIONS

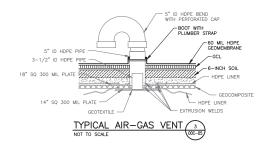












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ISSUE	DATE	DESCRIPTION		PROJECT NUMBER	10172630
A	01/31/2020	ISSUED FOR BID			
В	02/26/2021	REVISED DETAIL 2			
С	02/07/2022	AS-CONSTRUCTED LINER DRAWINGS	_		
			_		
			_	CHECKED BY	M. ROBERTS
			_	DRAWN BY	J. RAYMOND
				DESIGNED BY	K. PERERA
				PROJECT MANAGER	D. VOGT, P.E.



MARTIN LAKE STEAM ELECTRICAL STATION WEST ASH POND RELINE RUSK COUNTY, TEXAS

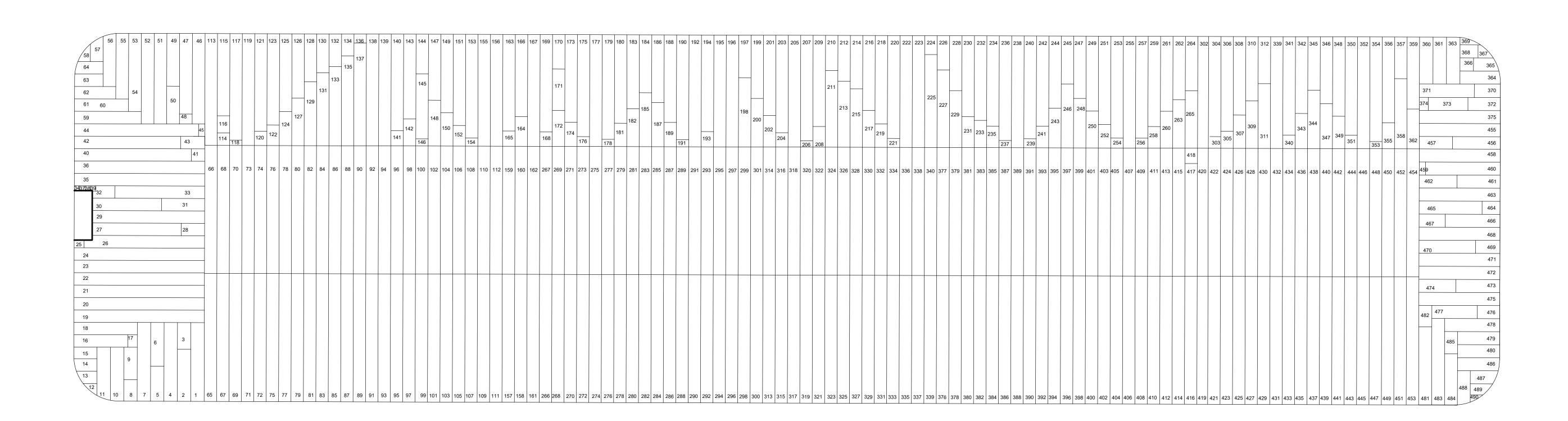


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			PROJECT MANAGER	D. VOGT, P.E.
			DESIGNED BY	K. PERERA
			— DRAWN BY	J. RAYMOND
			CHECKED BY	M. ROBERTS
С	02/07/2022	AS-CONSTRUCTED LINER DRAWINGS		
В	08/02/2021	ADDED ACCESS RAMP		
Α	01/31/2020	ISSUED FOR BID		
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	10172630
			1	1





MARTIN LAKE STEAM ELECTRICAL STATION
WEST ASH POND RELINE
RUSK COUNTY, TEXAS



**GCL PANEL LAYOUT** 



00C-07

