# Part III Attachment III-D Appendix III-D.3

### LANDFILL DESIGN AND DETAILS

Pescadito Environmental Resource Center MSW No. 2374 Webb County, Texas



Initial Submittal March 2015 Revised September 2015

Prepared for: Rancho Viejo Waste Management, LLC 1116 Calle del Norte Laredo, TX 78041

> Prepared by: CB&I Environmental and Infrastructure, Inc.



12005 Ford Rd, Suite 600 Dallas, TX 75234



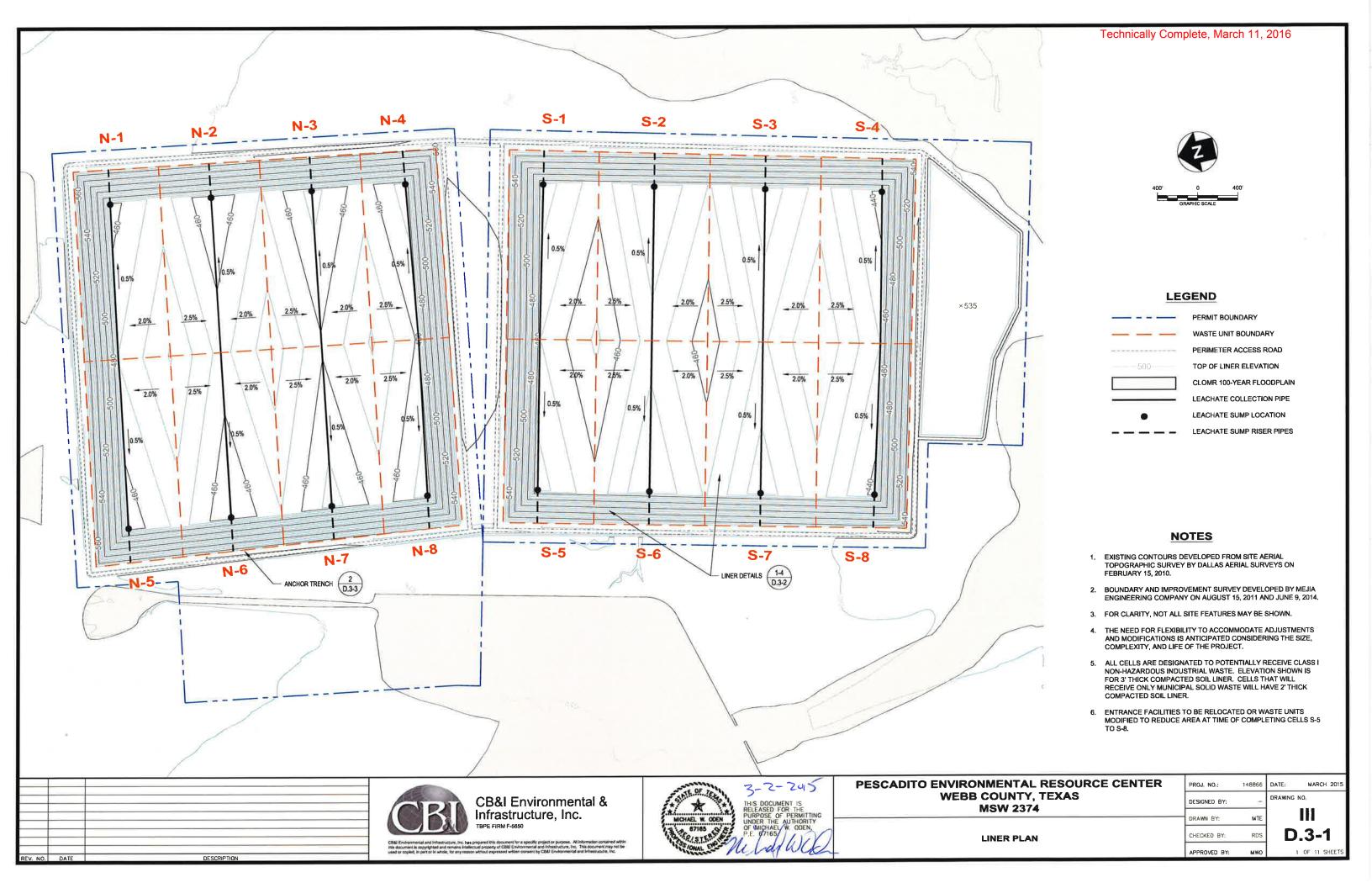
This document is released for the purpose of permitting only under the authority of Michael W. Oden, P.E. #67165. It is not to be used for bidding or construction. Texas Registered Engineering Firm F-5650.

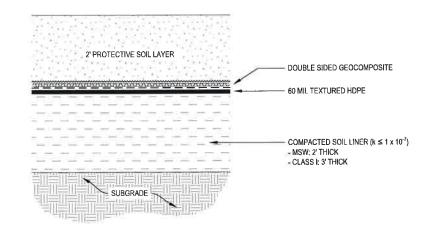
## **Table of Contents**

III-D.3-1 Liner Plan	1
III-D.3-2 Liner Details	2
III-D.3-3 Liner Details	3
III-D.3-4 Liner Details	4
III-D.3-5 Leachate Collection System Plan	5
III-D.3-6 Leachate Collection Details	6
III-D.3-7 Leachate Collection Details	7
III-D.3-8 Leachate Collection Details	8
III-D.3-9 Leachate Storage Details	9
III-D.3-10 Final Cover Plan	10
III-D.3-11 Final Cover Details	11

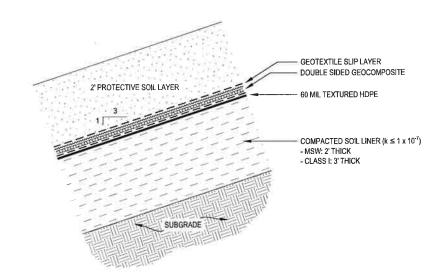


This document is released for the purpose of permitting only under the authority of Michael W. Oden, P.E. #67165. It is not to be used for bidding or construction. Texas Registered Engineering Firm F-5650.

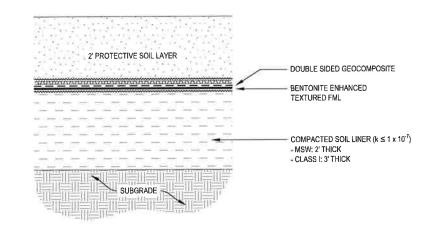




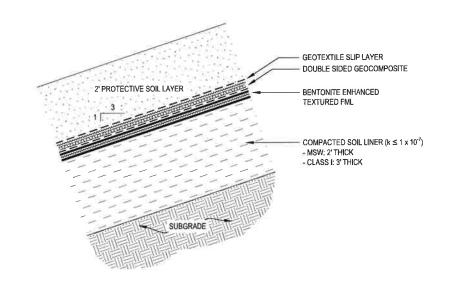
**BOTTOM LINER DETAIL** OPTION 1 D.3-2 SCALE: 1"=3"







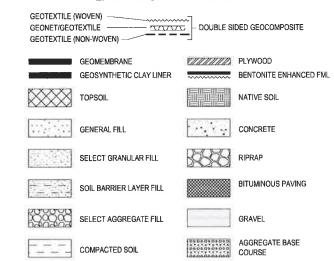
**BOTTOM LINER DETAIL** D.3-2 **OPTION 2** SCALE: 1"=3"



**SIDEWALL** (4 D.3-2) **OPTION 2** SCALE: 1"=3"

 $\frac{\text{NOTES:}}{\text{1.}} \\ \overline{\text{GEOSYNTHETIC MATERIALS SHOWN WITH EXAGGERATED THICKNESS FOR CLARITY,}}$ 

#### LINE AND SHADING LEGEND



PROJ NO:

148866 DATE:

MARCH 2015

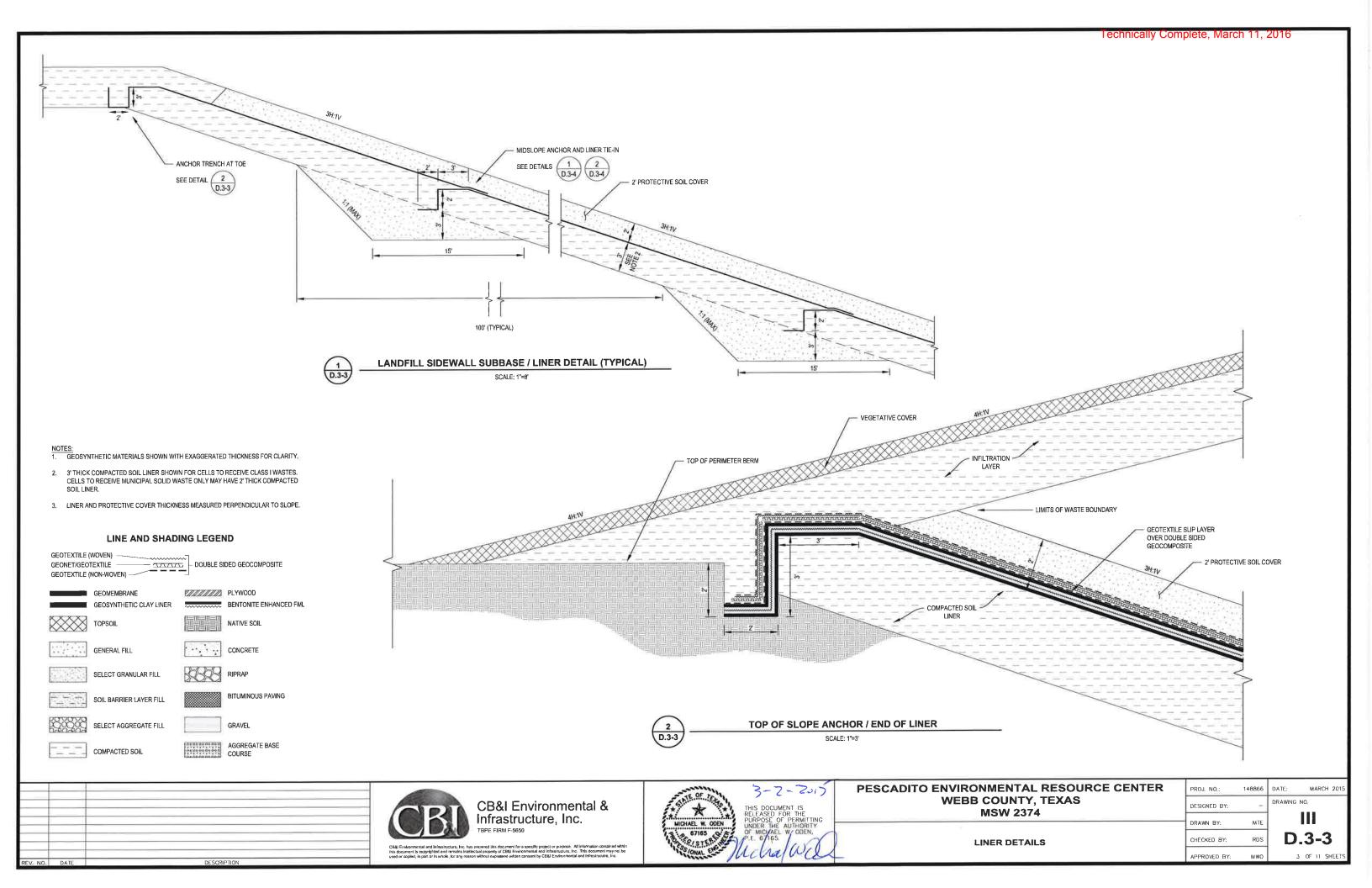
D.3-2

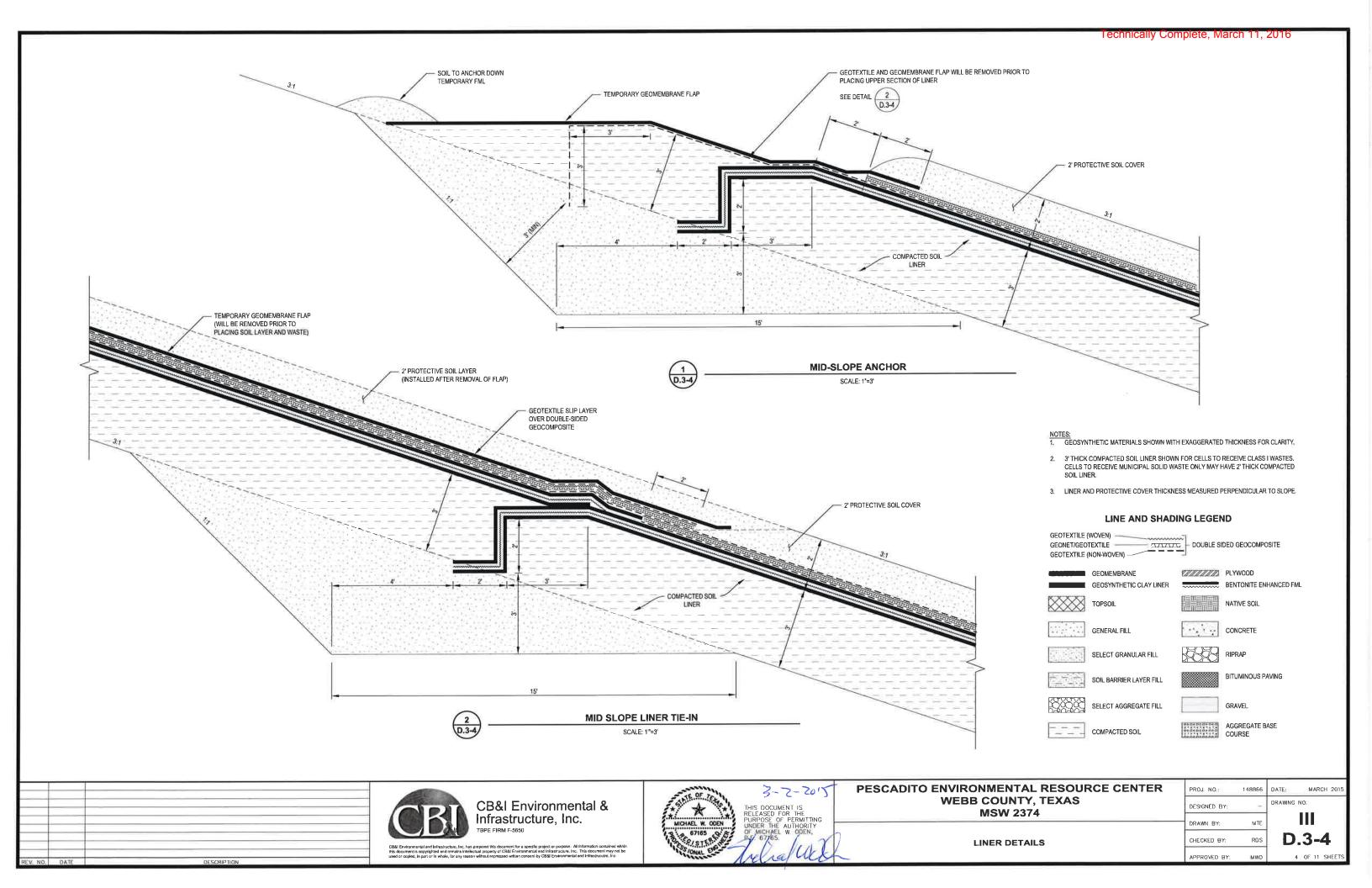


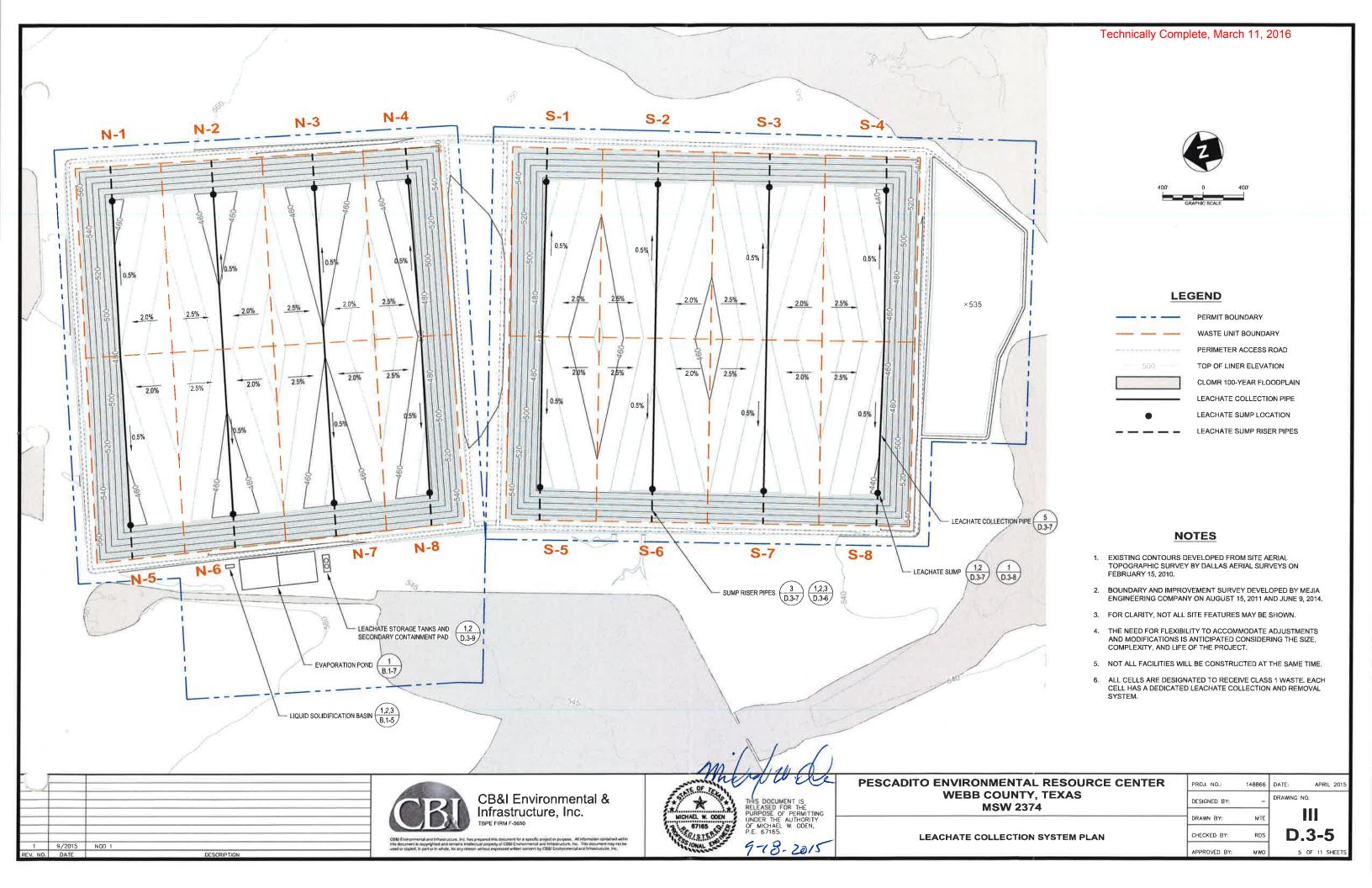


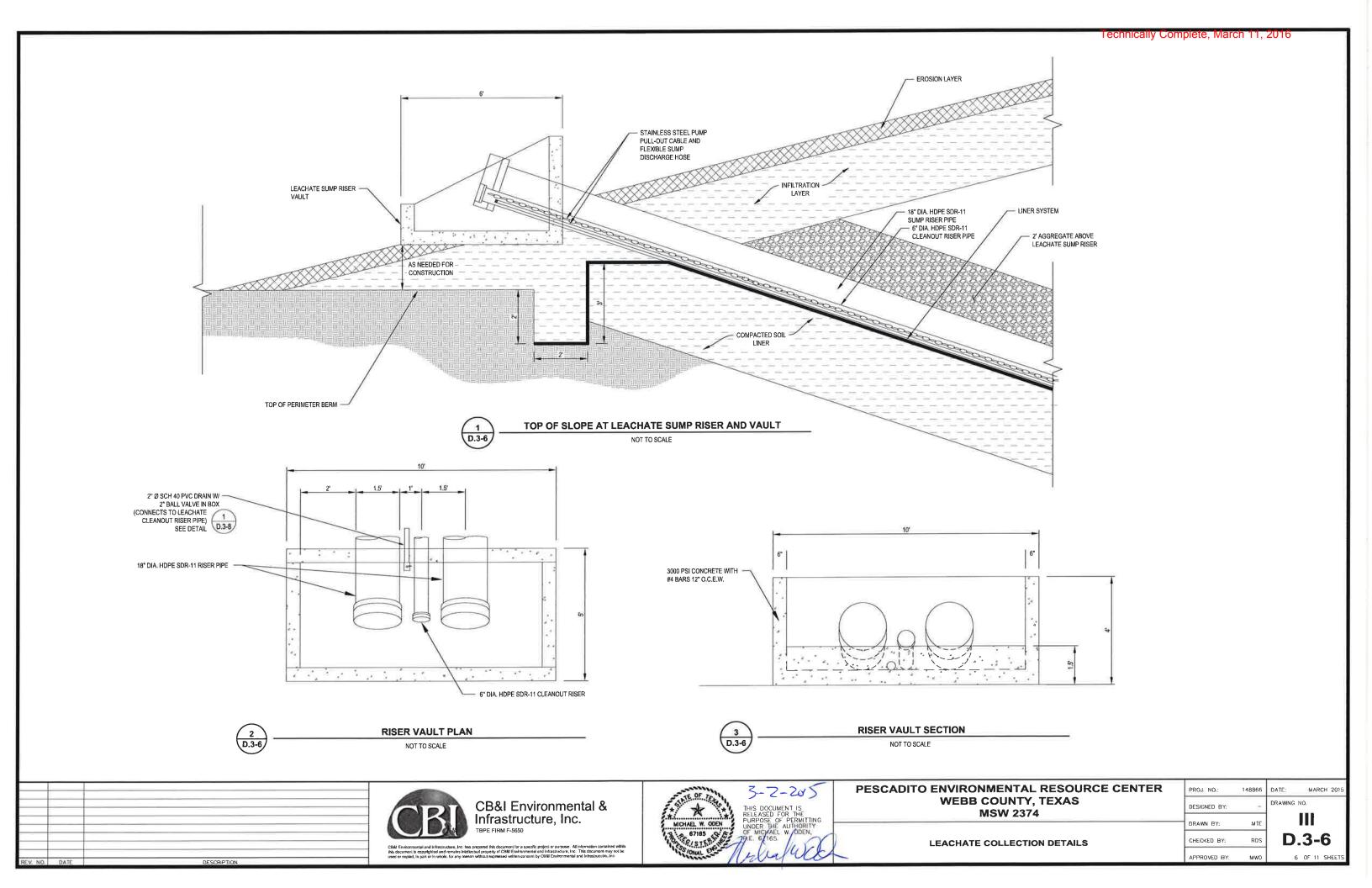
<b>PESCADITO</b>	<b>ENVIRONMENTAL</b>	<b>RESOURCE</b>	<b>CENTER</b>
	WEBB COUNTY,	TEXAS	
	MSW 2374	l	

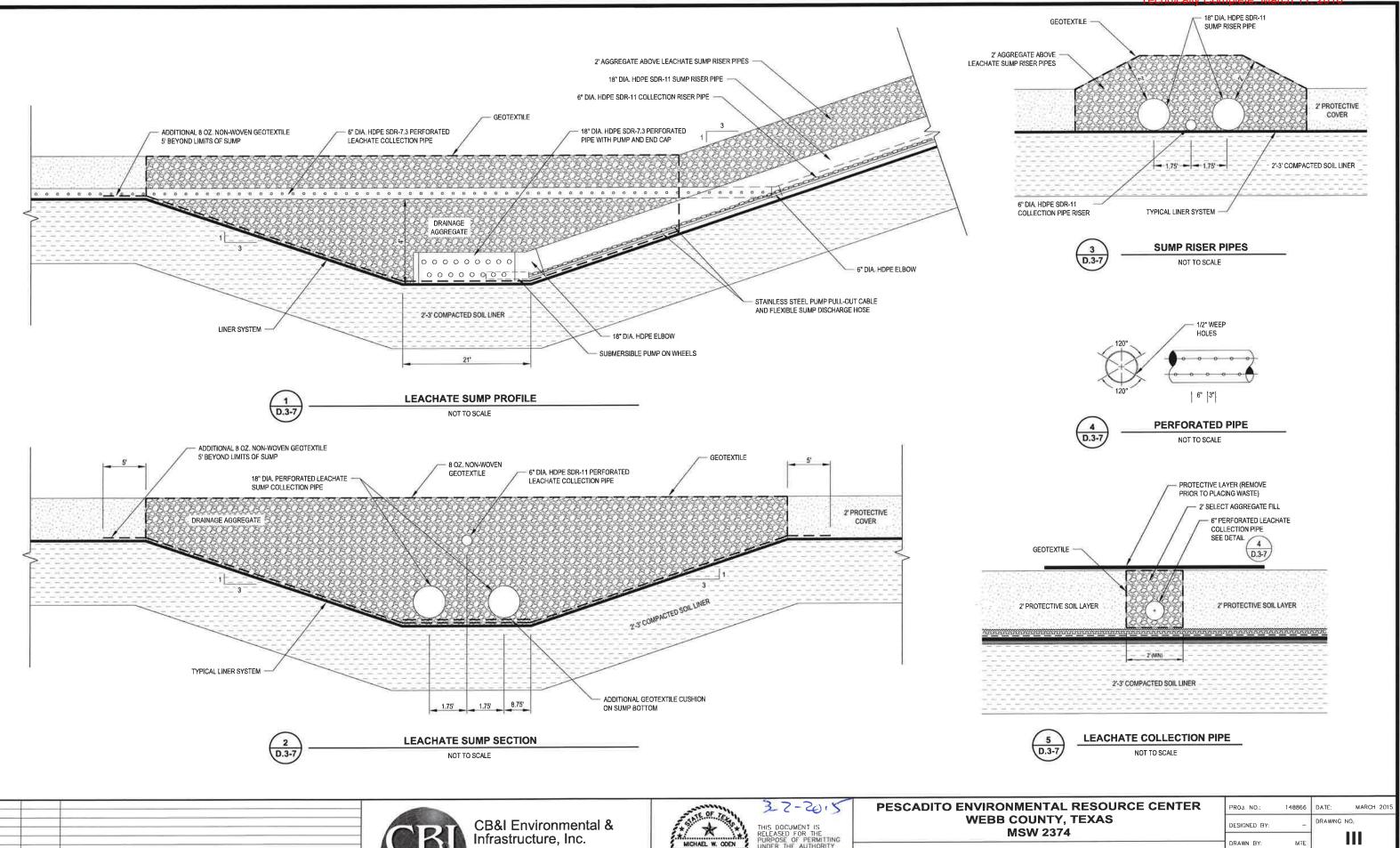
B COUNTY, TEXAS MSW 2374	DESIGNED BY:	10	DRAWING NO.
10000 2014	DRAWN BY:	мте	ļ III
LINER DETAILS	CHECKED BY:	RDS	<b>D.3</b>
	APPROVED BY:	OWN	2 OF







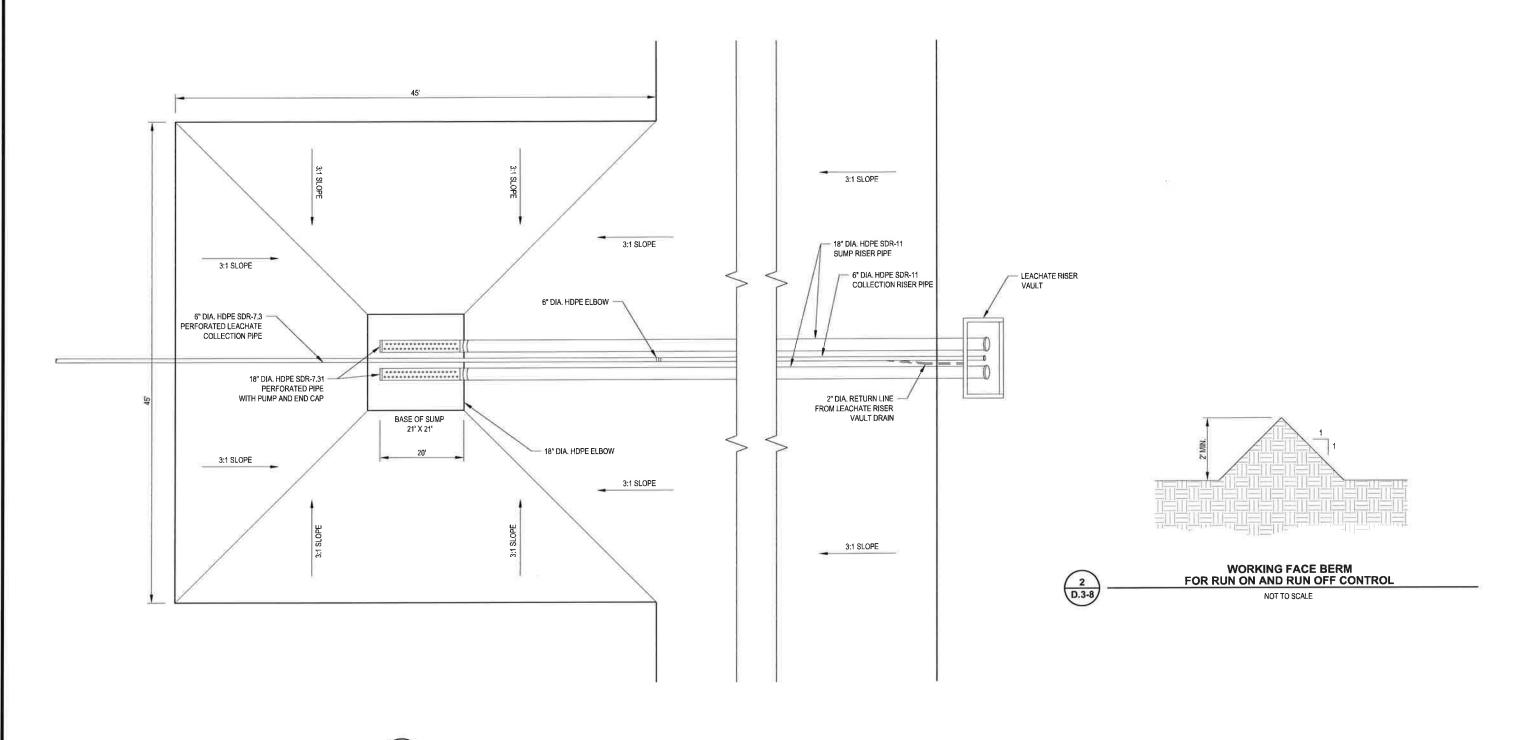






DESIGNED BY:		DRAWING NO.
DRAWN BY:	MTE	III
CHECKED BY:	RDS	D.3-7
APPROVED BY:	мwо	7 OF 11 SHE

LEACHATE COLLECTION DETAILS



1 D.3-8 LEACHATE SUMP PLAN

NOT TO SCALE

	_	
REV. NO.	DATE	DESCRIPTION

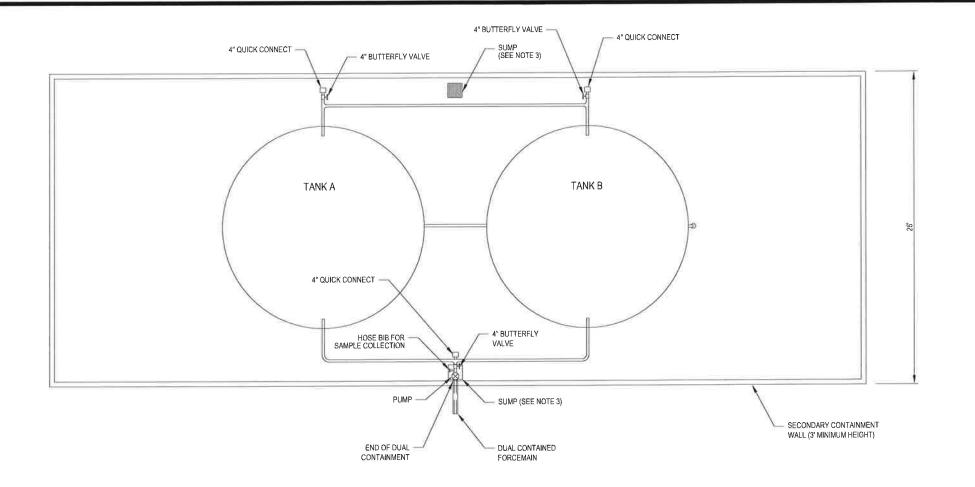




PESCADITO ENVIRONMENTAL RESOURCE CENTER
WEBB COUNTY, TEXAS
MSW 2374

LEACHATE	COLL	ECTION	DETAILS	

PROJ NO:	148866	DATE: MARCH	20
DESIGNED BY:	=======================================	DRAWING NO.	
DRAWN BY:	мте	III	
CHECKED BY:	RDS	D.3-8	,
APPROVED BY:	MWO	8 OF 11 SH	EE

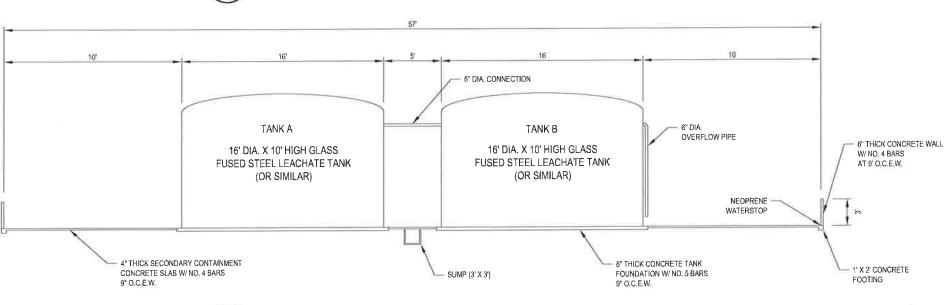


LEACHATE STORAGE TANK FACILITY PLAN

NOT TO SCALE

#### NOTES:

- 1. REFER TO APPENDIX III-D.6 FOR DISCUSSION ON THE LEACHATE STORAGE FACILITY.
- REFER TO APPENDIX III-D.6 FOR THE SECONDARY
   CONTAINMENT VOLUME CALCULATIONS FOR THE LEACHATE
   STORAGE FACILITY.
- 3. SUMPS ARE 3' WIDE AND 3' DEEP.
- 4. CONCRETE SECTIONS MAY VARY PENDING FINAL TANK SELECTION, SIZE, AND DESIGN.



2 D.3-9

D.3-9

#### LEACHATE STORAGE TANK FACILITY SECTION

NOT TO SCALE

REV. NO.	DATE	DESCRIPTION





PESCADITO ENVIRONMENTAL RESOURCE CENTER
WEBB COUNTY, TEXAS
MSW 2374

LEACHATE STORAGE DETAILS

PROJ NO:	148866	DATE;	MAR
DESIGNED BY:		DRAWING	NO.
DRAWN BY:	APD		
CHECKED BY:	RDS	D	.3-
APPROVED BY:	мwо		OF 11

MARCH 2015

