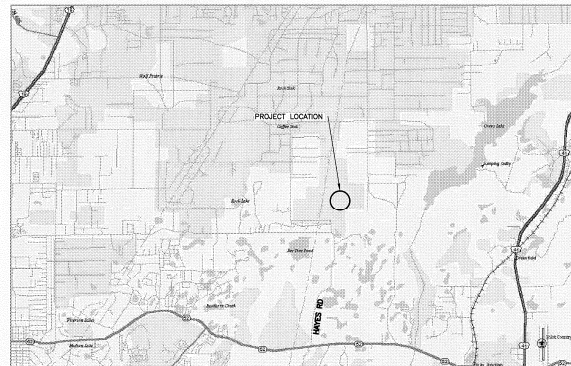
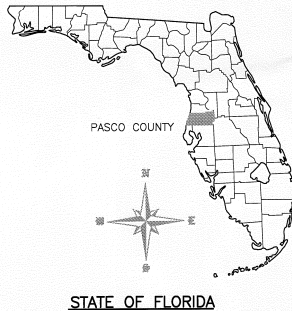




PASCO COUNTY, UTILITIES SERVICES BRANCH
BOARD OF COUNTY COMMISSIONERS PASCO COUNTY, FLORIDA

WEST PASCO CLASS I LANDFILL CELL A-4 CONSTRUCTION

Dept. Of Environmental Protection
MAR 23 2011
Southern Chapter



LOCATION MAP

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G-2 EXISTING CONDITIONS, CONSTRUCTION LIMITS, AND MONITORING WELLS

CIVIL

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C-2 ASH CELL A-4 LEACHATE COLLECTION SYSTEM
C-3 ASH CELL A-4 LEACHATE COLLECTION SYSTEM - FORCE MAIN
C-4 NORTH-SOUTH CROSS SECTIONS FOR CELL A-4
C-5 EAST-WEST CROSS SECTIONS FOR CELL A-4
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C-17 PARKING LOT PAVING, GRADING, DRAINAGE AND EROSION CONTROL PLAN
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E-4 PUMP STATION ELECTRICAL PLANS AND DETAILS
E-5 ASH CELL A-4 LEACHATE FILL STATION ELECTRICAL MODIFICATIONS

RECORD DRAWINGS

● THIS DOCUMENT IS A COMPILED REPRESENTATION OF THE CONSTRUCTED PROJECT.
● THE FOLLOWING SOURCES WERE USED, AND UPON WHICH THE ENGINEER RELIED, IN ITS PREPARATION:
PDC, INC.
● THIS DOCUMENT IS BELIEVED TO BE CORRECT TO THE BEST OF THE ENGINEER'S KNOWLEDGE, AND THE ACCURACY OF THE INFORMATION CANNOT BE GUARANTEED.
CDM REVIEWED BY: AMKO SONAWANE, P.E. Date: NOV/2010
NOTE: THESE STATEMENTS ARE REQUIRED BY RULE 61G15-30, F.A.C. FOR BUILDING DOCUMENTS THAT INCLUDE INFORMATION PROVIDED BY OTHERS.

NOVEMBER 2008
PROJECT NO. 6104-46136

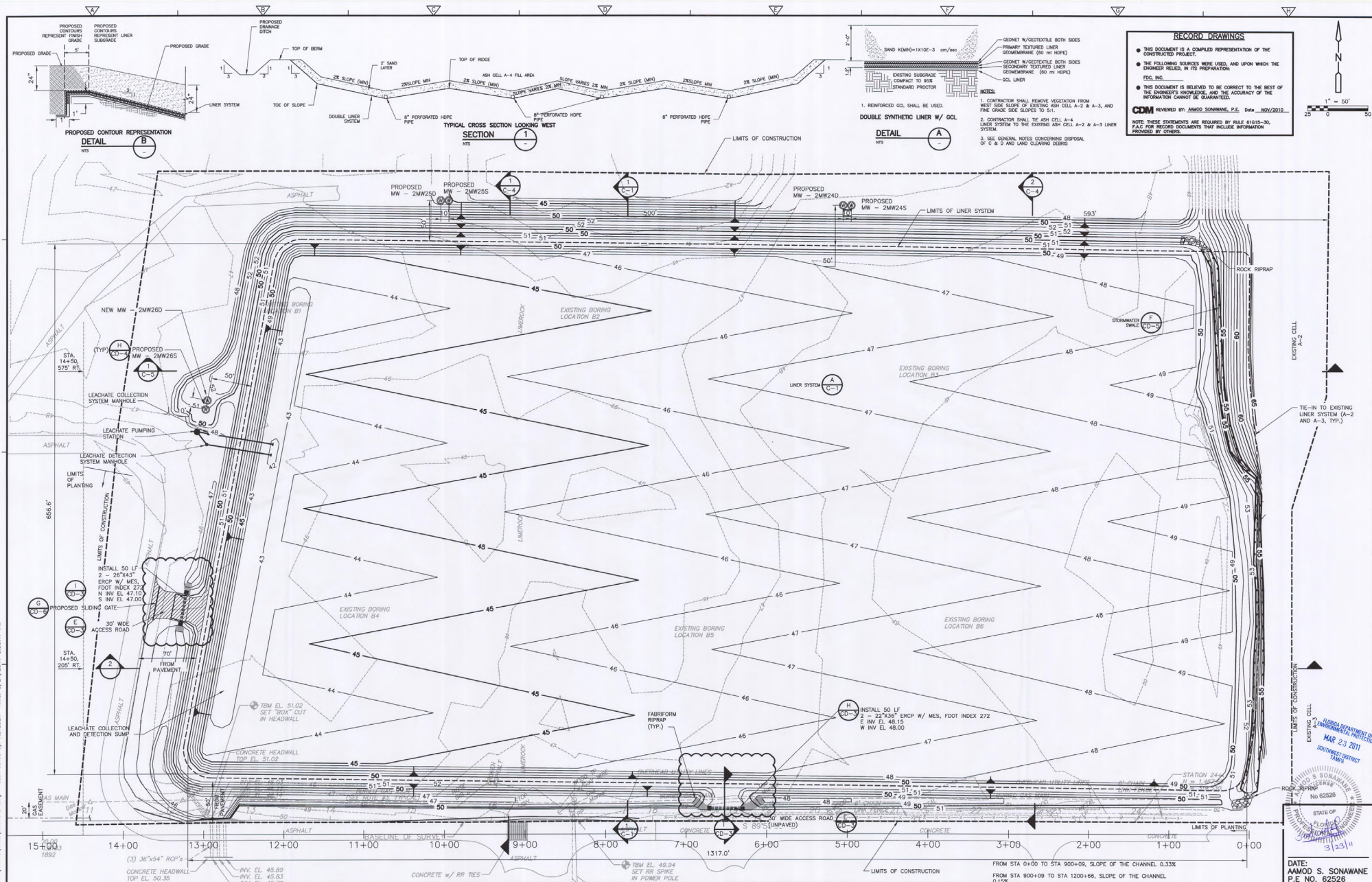
CDM Camp Dresser & McKee Inc.
1715 North Westshore Blvd Suite 675
Tampa, Florida 33607
Tel: 813-261-2900
License no. EB-0000020

RECORD DRAWINGS
DECEMBER 2010

consulting
engineering
construction
operations

CDM

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User: []
Sheet: 1 of 1
Title: ASH CELL A-4 DRAINAGE, GRADING AND SUBGRADE LINER SYSTEM

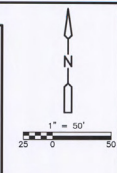



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CDM REVIEWED BY: AAMOD S. SONAWANE, P.E. Date: NOV/2010

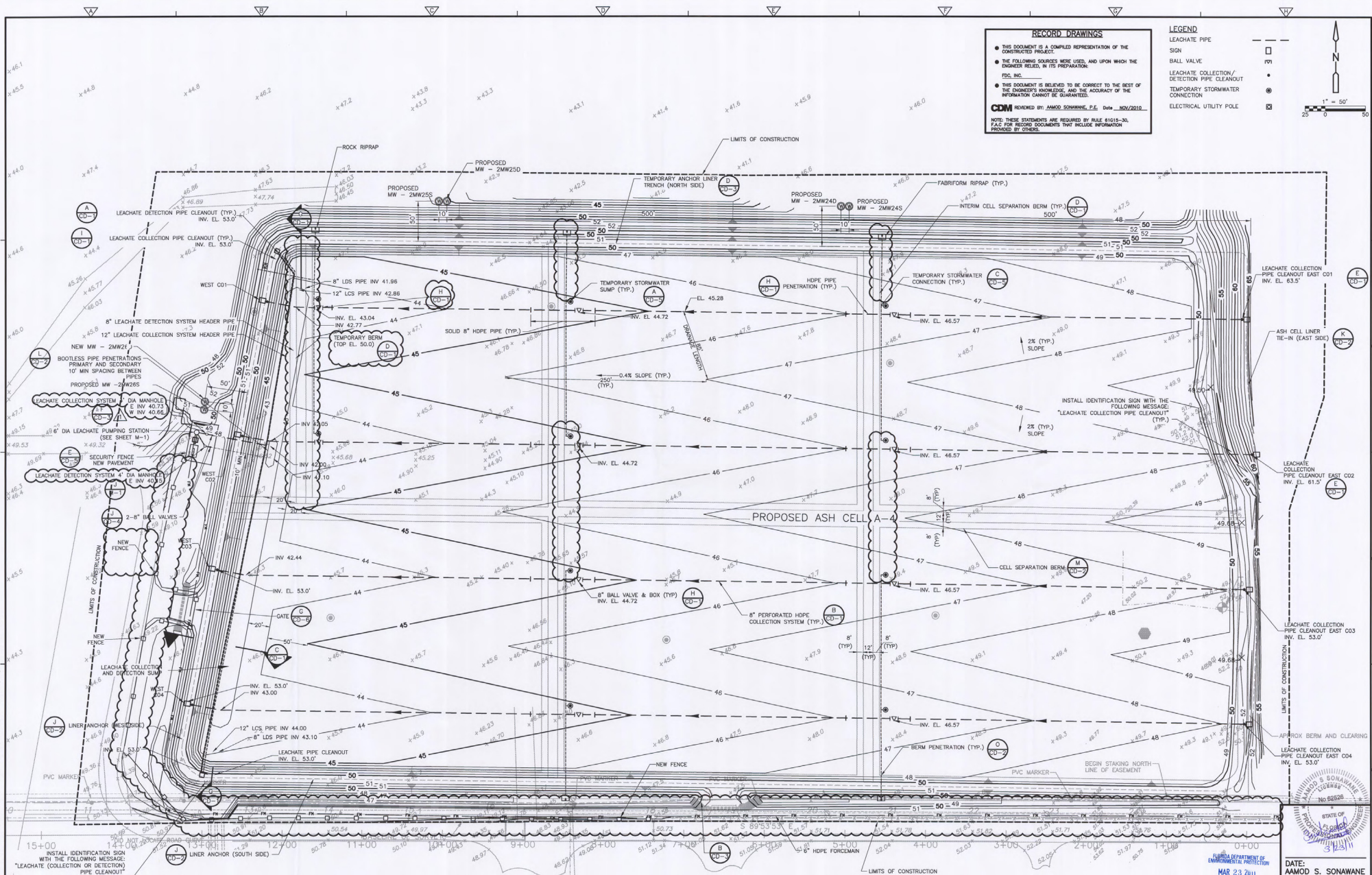
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						DESIGNED BY: <u>A. SONAWANE</u>		 Camp Dresser & McKee, Inc. 1715 North Westshore Blvd Suite 875 Tampa, FL 33607 Tel: (813) 281-2000 FL COA No. EB-000020	PASCO COUNTY, UTILITIES SERVICES BRANCH PASCO COUNTY FLORIDA				PROJECT NO. 6104-46136				FILE NAME: C0015TLF	
						DRAWN BY: <u>R. PETERMAN</u>			WEST PASCO CLASS I LANDFILL CELL A-4 CONSTRUCTION				ASH CELL A-4 DRAINAGE, GRADING AND SUBGRADE LINER SYSTEM				SHEET NO. C-1	
						SHEET CHK'D BY: <u>J. LADNER</u>												
11/10/10						DPW	AS		RECORD									
6/29/09						DPW	JMH		CONFORMED									
						CROSS CHK'D BY: <u>STROBRIDGE</u>												
						APPROVED BY: <u>A. SONAWANE</u>												
						DATE: <u>NOVEMBER 2008</u>												
REV.						DATE	DRWN	CHKD	REMARKS									

RECORD DRAWINGS

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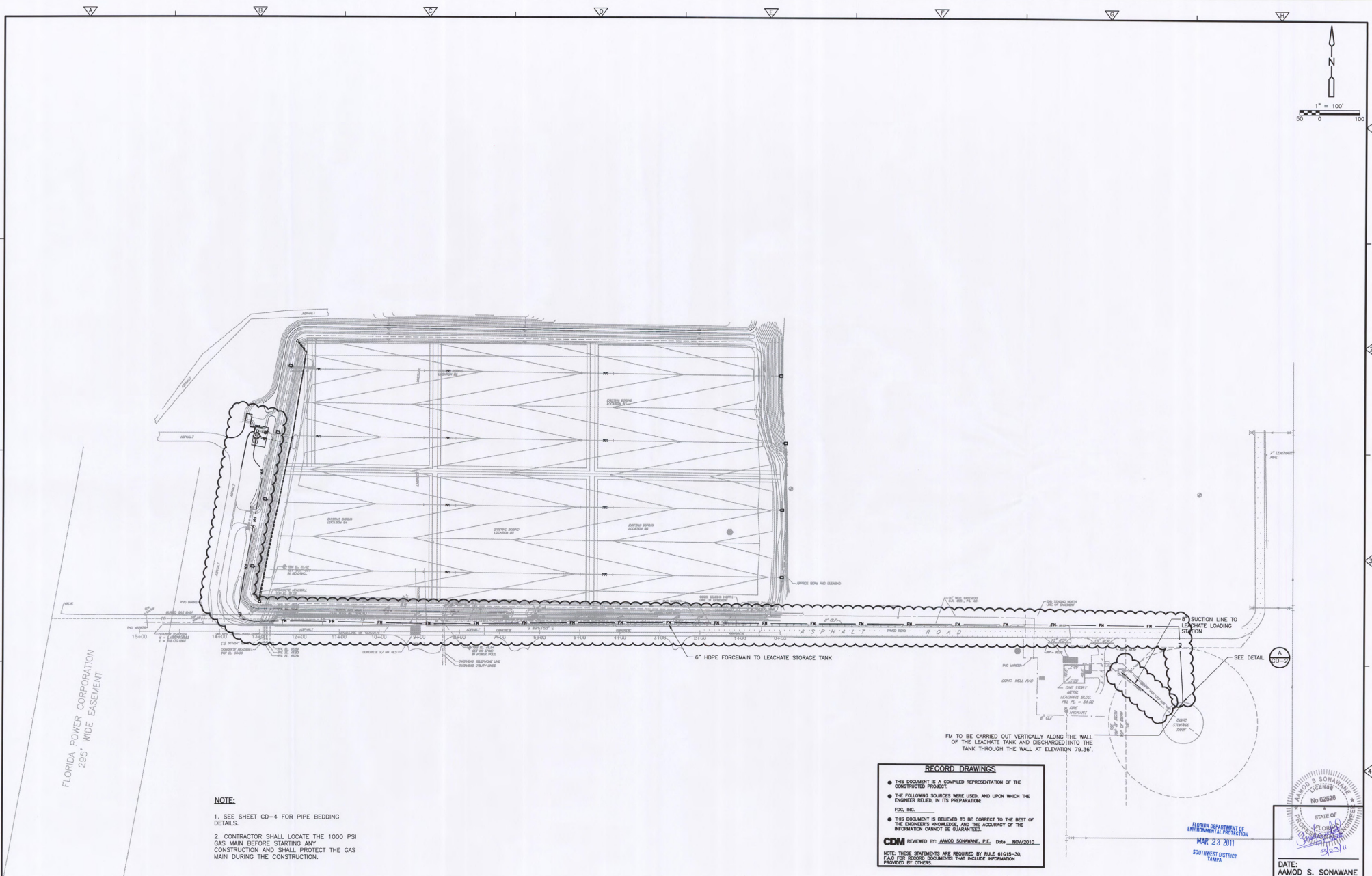
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2	3/01	DPM	JAH	FIELD CHANGE AS INDICATED - SHEET REISSUED
3	6/29/08	DPM	JAH	CONFORMED

DESIGNED BY: A. SONAWANE
DRAWN BY: R. PETERMAN
SHEET CHK'D BY: J. LADNER
CROSS CHK'D BY: STROUBER
APPROVED BY: A. SONAWANE
DATE: NOVEMBER 2008
CDM
Camp Dresser & McKee, Inc.
1715 North Westshore Blvd Suite 875
Tampa, FL 33607
Tel: (813) 281-2500
PL CDM No. 18-000000
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PASCO COUNTY, UTILITIES SERVICES BRANCH
PASCO COUNTY FLORIDA
WEST PASCO CLASS I LANDFILL
CELL A-4 CONSTRUCTION

ASH CELL A-4 LEACHATE COLLECTION SYSTEM
DATE: MAR 23 2011
PROJECT NO. 6104-46136
FILE NAME: C002HVC02
SHEET NO. C-2

RECORD DRAWINGS




1. SEE SHEET CD-4 FOR PIPE BEDDING DETAILS.
2. CONTRACTOR SHALL LOCATE THE 1000 PSI GAS MAIN BEFORE STARTING ANY CONSTRUCTION AND SHALL PROTECT THE GAS MAIN DURING THE CONSTRUCTION.

• THIS DOCUMENT IS A COMPILED REPRESENTATION OF THE CONSTRUCTED PROJECT.
 • THE FOLLOWING SOURCES WERE USED, AND UPON WHICH THE ENGINEER RELIED, IN ITS PREPARATION:
 FGD, INC. _____
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CDM REVIEWED BY: **AHMOO SCHWABHE, P.E.** Date **NOV/2010**

NOTE: THESE STATEMENTS ARE REQUIRED BY RULE 61015-30, F.A.C FOR RECORD DOCUMENTS THAT INCLUDE INFORMATION FROM OTHER SOURCES.

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
MAR 23 2011
SOUTHWEST DISTRICT
TAMPA



DATE:
AAMOD S. SONAWANE
P.E NO. 62526

PROJECT NO.	6104-46136
FILE NAME:	C003HVCO

SHEET NO.
C-3

RECORD DRAWINGS

Xref's: [CEBASE, C-BASE, CONTOURS, FGTASCO_28936, C-BASE_28936, CEBASE1_28936, LEACHATE] Images: []
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FLORIDA POWER CORPORATION
295' WIDE EASEMENT

DESIGNED BY: A. SONAWANE
DRAWN BY: R. PETERMAN
SHEET CHK'D BY: J. LADNER
CROSS CHK'D BY: D. STROBRIDGE
APPROVED BY: A. SONAWANE
DATE: NOVEMBER 2008

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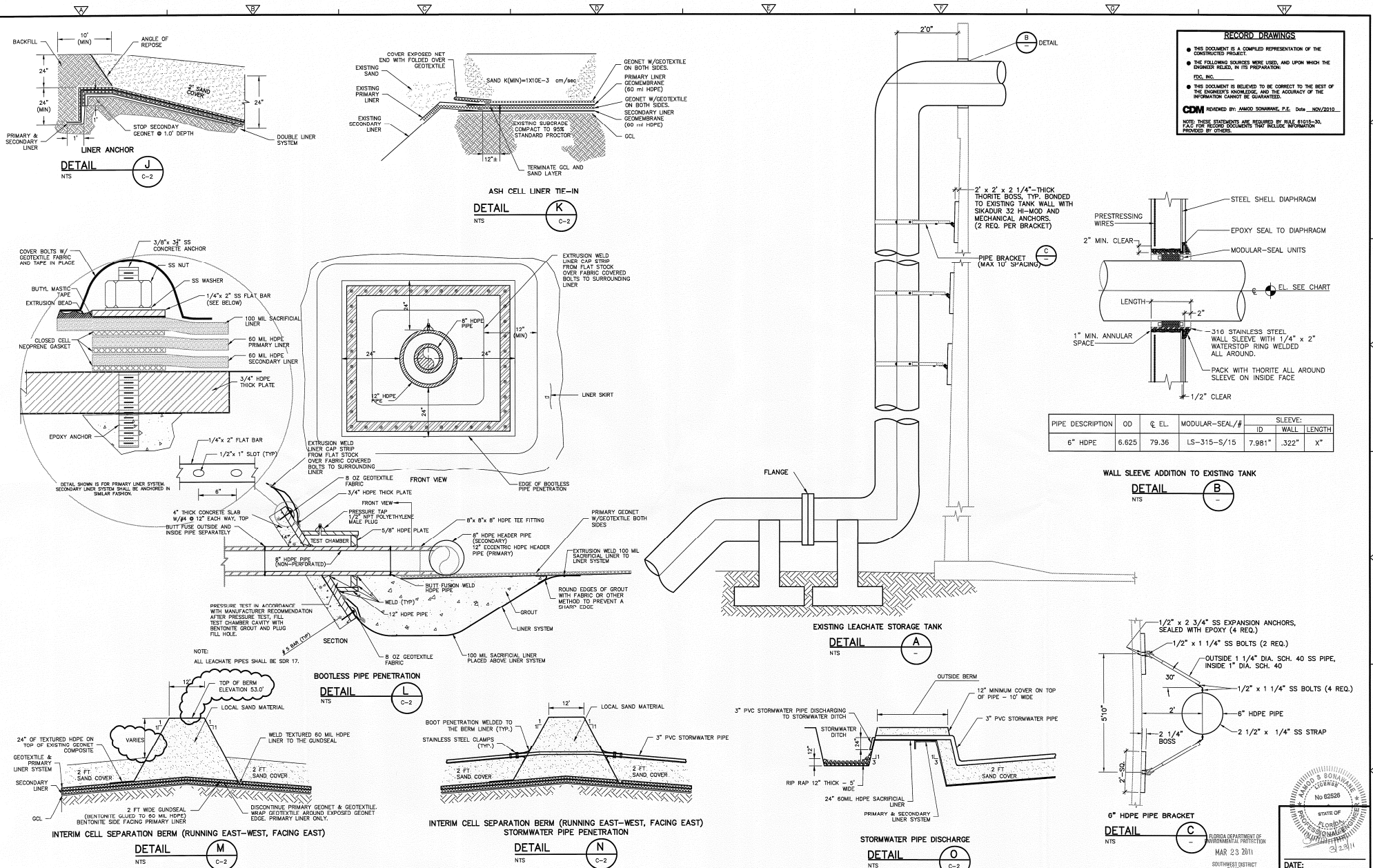
PASCO COUNTY, UTILITIES SERVICES BRANCH
PASCO COUNTY FLORIDA
WEST PASCO CLASS I LANDFILL
CELL A-4 CONSTRUCTION

ASH CELL A-4 LEACHATE COLLECTION
SYSTEM - FORCE MAIN

	11/15/10	DPM	AS	RECORD
	6/29/09	DPM	JAH	CONFORMED
REV.	DATE	DRWN	CHKD	REMARKS

REV.	DATE	DRWN	CHKD	REMARKS
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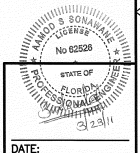
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11/15/10	CPM	AS	RECORD		
6/29/09	CPM	JAH	CONFORMED		

DESIGNED BY: A. SONAWANE
DRAWN BY: R. PETERMAN
SHEET CHK'D BY: J. LADNER
CROSS CHK'D BY: STROBRIDGE
APPROVED BY: A. SONAWANE
DATE: NOVEMBER 2008

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PASCO COUNTY, UTILITIES SERVICES BRANCH
PASCO COUNTY FLORIDA
WEST PASCO CLASS I LANDFILL
CELL A-4 CONSTRUCTION

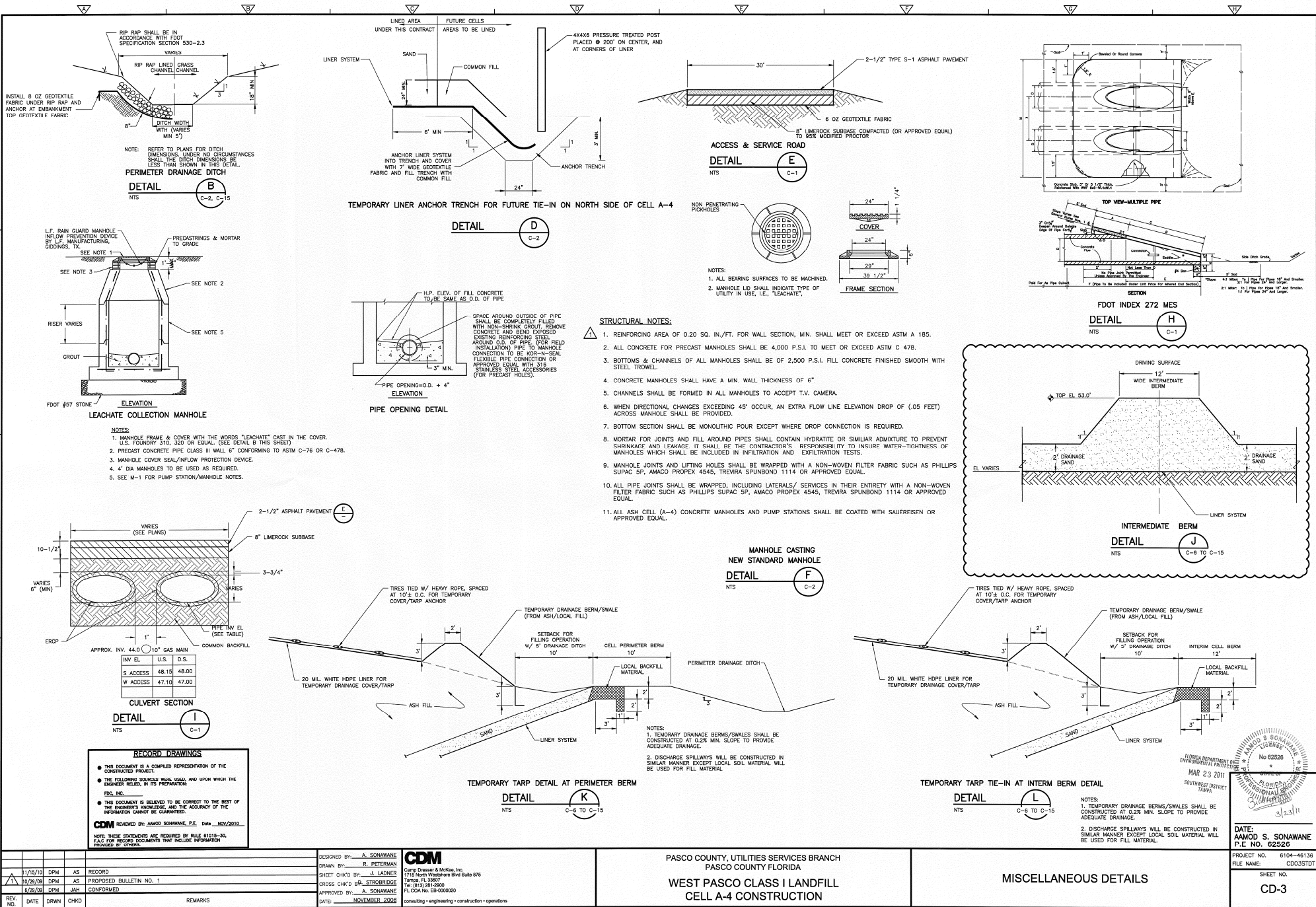
LINER SYSTEM DETAILS

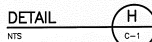
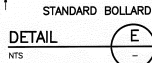
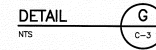
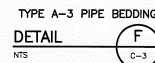
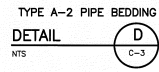
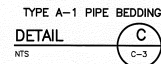
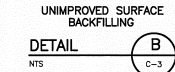
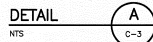
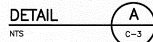


DATE: AMJOD S. SONAWANE
P.E. NO. 62526
PROJECT NO. 6104-45136
FILE NAME: CD0224.DTG

SHEET NO.
CD-2

RECORD DRAWINGS





1. LIMEPOCK MATERIAL (MIN. LBR 100) SHALL BE COMPACTED TO 98% DENSITY, AASHTO T-160.
2. APPROVED SUB-BASE MATERIAL (MIN. LBR 40) SHALL BE COMPACTED IN 6" LAYERS MAX. TO 98% DENSITY, AASHTO T-180.
3. ASPHALT CONCRETE PAVEMENT JOINT SHALL BE MECHANICALLY SAWED.
4. SUB-BASE MATERIAL SHALL BE PRE-APPROVED BY ENGINEER.
5. SELECTED COMMON FILL SHALL BE COMPACTED IN 12" LAYERS TO 98% DENSITY, PER AASHTO T-160.
6. THICKNESS OF REPLACEMENT ASPHALTIC CONCRETE SURFACE SHALL BE 2-1/4" MINIMUM.

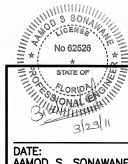
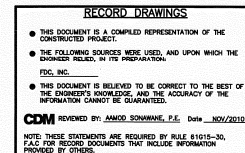
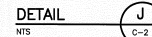
1. SELECTED COMMON FILL FROM ORIGINAL EXCAVATION SEE SPECIFICATIONS.
2. USE OF TYPES A-2, & A-3 PIPE BEDDING TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENGINEER. OTHERWISE ALL PIPE BEDDING SHALL BE TYPE A-1.
3. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION, DENATER TO 1.0 FOOT BELOW TRENCH BOTTOM.(SEE SPECIFICATIONS)
4. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF FLOW.
5. 8" MAX. FOR PIPE DIAMETER LESS THAN 36",
18" MAX. FOR PIPE DIAMETER OVER 36"
AND LESS THAN 86", 24" FOR PIPE DIAMETER 86" AND OVER.
6. 4" MIN. FOR PIPE 24" DIA. AND LESS, 6" MIN.

GROUNDWATER MONITORING WELLS					
MONITOR WELL NO.	TOTAL DEPTH BELOW GRADE (FT BG)	BASE OF SAND STRATUM (FT BG)	TOP OF LINEDSTONE (FT BG)	LENGTH OF SCREEN/OPENHOLE (FT)	STABILIZED WT OR PS (FT BG)
2MW-24S	26.0	21.5	NA	15 (Screen)	20.0
2MW-24D	44.0	21.5	32.5	10 (Screen)	19.4
2MW-25S	14.5	13.0	NA	10 (Screen)	DRY
2MW-25D	32.0	13.0	17.0	15 (Screen)	16.7
2MW-26S	20.0	19.5	NA	10 (Screen)	DRY
2MW-26D	52.0	19.5	42.5	10 (Screen)	26.4
2MW-27S*	18.0	14.5	24.0	10 (Screen)	DRY
2MW-27D*	42.0	14.5	24.0	15 (Screen)	20.8
4MW-27*	77.0	14.5	24.0	10 (Openhole)	17.4
4MW-27D*	156.0	14.5	24.0	10 (Openhole)	21.5

NOTE:

BG = Below Grade, FT = Feet, WT = Water Table, PS = Piezometric Surface, NA = Not Applicable

*These wells were installed (by others) as detailed in Section 2.1.4 of the revised 2008 WQMP



A	11/15/10	DPM	AS	RECORD
	10/29/09	DPM	AS	PROPOSED BULLETIN NO. 1
	6/29/09	DPM	JAH	CONFORMED
REV.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. SONAWANE
DRAWN BY: R. PETERMAN
SHEET CHK'D BY: J. LADNER
CROSS CHK'D BY: D. STROBRIDGE
APPROVED BY: A. SONAWANE
DATE: NOVEMBER 2008

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Camp Dresser & McKee, Inc.
1715 North Westshore Blvd Suite 875
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Tel: (813) 281-2900
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PASCO COUNTY, UTILITIES SERVICES BRANCH
PASCO COUNTY FLORIDA
WEST PASCO CLASS I LANDFILL
CELL A-4 CONSTRUCTION

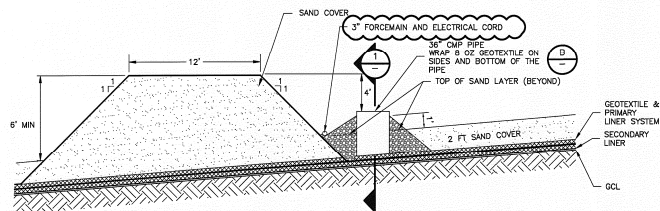
MISCELLANEOUS DETAILS

DATE:	AAMOD S. SONAWANE
P.E NO.	62526
PROJECT NO.	6104-4613
FILE NAME:	CD04ST

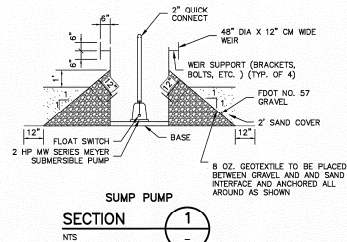
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CD-4

RECORD DRAWINGS

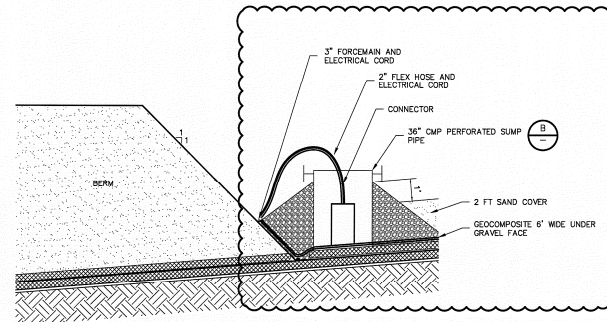
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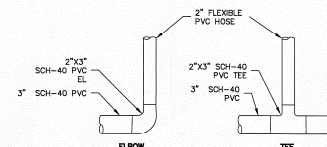
STORMWATER COLLECTION SUMP
 DETAIL A
 NTS C-2



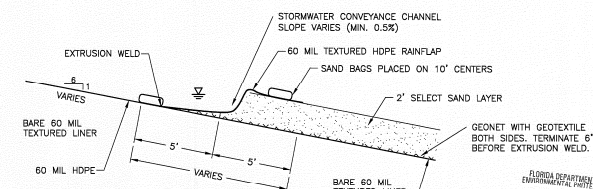
36" CMP PERFORATED SUMP PIPE
 DETAIL B
 NTS



STORMWATER COLLECTION SUMP
 RISER PIPE
 DETAIL C
 NTS C-2



STORMWATER COLLECTION PIPE
 PVC FITTING
 DETAIL D
 NTS



1. INSTALL DIVERSION DAM WITH 2' MINIMUM SAND LAYER IMMEDIATELY DOWNSLOPE.
2. WHEN WASTE REACHES THIS LEVEL, RAINLAP TO BE CUT AWAY, AND GEOTEXTILE WILL BE INSTALLED.
3. CONTINUE 2' SAND LAYER.

STORMWATER INTERCEPTOR CONTROL
 DETAIL F
 NTS C-5

RECORD DRAWINGS

THIS DOCUMENT IS A COMPILED REPRESENTATION OF THE CONSTRUCTED PROJECT.

THE FOLLOWING SOURCES WERE USED, AND UPON WHICH THE ENGINEER RELIED, IN ITS PREPARATION:

FGS, INC.

THIS DOCUMENT IS BELIEVED TO BE CORRECT TO THE BEST OF THE ENGINEER'S KNOWLEDGE, AND THE ACCURACY OF THE INFORMATION CANNOT BE GUARANTEED.

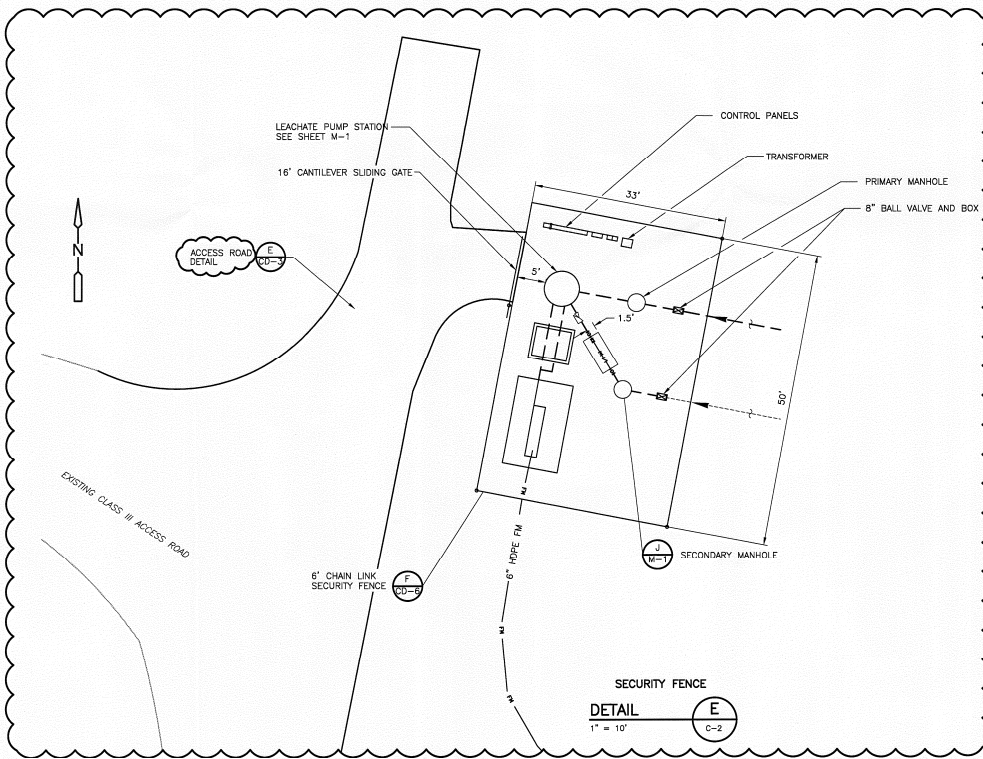
CDM REVIEWED BY: AMOD SONAWANE, P.E. Date: 3/23/2011

NOTE: THESE STATEMENTS ARE REQUIRED BY RULE 61015-30, F.A.C. FOR RECORD DOCUMENTS THAT INCLUDE INFORMATION PROVIDED BY OTHERS.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
 MAR 23 2011
 SOUTHWEST DISTRICT TAMP
 AMOD S. SONAWANE
 No 62526
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 3/23/11

DATE: AMOD S. SONAWANE
 P.E. NO. 62526

PROJECT NO. 6104-46138
 FILE NAME: CD05SDT01



SECURITY FENCE
 DETAIL E
 1" = 10' C-2

REV.	NO.	DATE	DRWN	CHKD	REMARKS
1	1	11/15/10	DPM	AS	RECORD
2	2	6/29/09	DPM	JAH	CONFORMED

DESIGNED BY: A. SONAWANE
 DRAWN BY: R. PETERMAN
 SHEET CHECKED BY: J. LADNER
 CROSS CHECKED BY: STROBRIDGE
 APPROVED BY: A. SONAWANE
 DATE: NOVEMBER 2008

CDM
 Corp. Dresser & McKee, Inc.
 1715 North Westshore Blvd Suite 575
 Tampa, FL 33607
 TEL: 813 261 5900
 FL CDA No. EB-000020

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PASCO COUNTY, UTILITIES SERVICES BRANCH
 PASCO COUNTY FLORIDA
 WEST PASCO CLASS I LANDFILL
 CELL A-4 CONSTRUCTION

STORMWATER PUMPING SYSTEM DETAILS

SHEET NO.
 CD-5

RECORD DRAWINGS

