



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Jennifer Carro
Lt. Governor

Herschel T. Vinyard
Secretary

July 14, 2011

Casey T Stephens
Citrus County Board Of County Commissioners
P.O. BOX 340
LECANTO FL 34460

Dear Casey T Stephens:

Your registration application for Citrus County Central Landfill , located at 3MI E LECANTO, SR44, LECANTO, in Citrus County has been received. The application indicated this facility is operating as a:

- Yard Trash Transfer Station
- Yard Trash Recycling Facility
- Manure Blending Operation
- Vegetative, Animal Byproducts or Manure Composting Facility

And processing the following:

- Yard trash (including clean wood)
- Manure
- Animal byproducts (composting)
- Vegetative wastes (composting)
- Pre-consumer vegetative (composting)

The registration application is complete, and is valid until August 1, 2012. The WACS identification number for this facility is 00039859. The receipt number for the registration fee you paid is 749141.

You must comply with the requirements specified in Rule 62-709.320, and Rules 62-709.330 or 62-709.350, Florida Administrative Code (F.A.C.), in order to maintain qualification for the registration program. A summary of the operating requirements is enclosed. Excerpts from Chapters 62-701 and 62-709, F.A.C., pertaining to yard trash processing facilities are also enclosed.

July 14, 2011
Casey T Stephens
Page 2 of 2

If you need further information, please contact the Bureau of Solid and Hazardous Waste at the above address, Mail Station 4565, telephone 850/245-8769, or email Francine.Joyal@dep.state.fl.us.

Sincerely,



Francine Joyal
Environmental Specialist

Enclosures

cc: Daniel Kuncicky, DEP Solid Waste Section
Susan Pelz, Southwest District

Pelz, Susan

From: Pelz, Susan
Sent: Monday, April 26, 2010 9:03 AM
To: 'Troy Hays'; Morris, John R.
Cc: Casey Stephens; Madden, Melissa; Morgan, Steve
Subject: RE: Citrus County Central Landfill LFG Remediation Near MW-10
Attachments: Citrus County Central Landfill LFG remediation.pdf

Troy,

I thought we had responded to you on this, but couldn't find our response.

The Department **does not object** to the proposed corrective actions as described in the email below and its attachments.

If you have any questions, please call or email (email is better).

Susan J. Pelz, P.E.
Solid Waste Program Manager
Southwest District

13051 N. Telecom Parkway
Temple Terrace, Fl. 33637
813-632-7600 x 386
susan.pelz@dep.state.fl.us

From: Troy Hays [mailto:thayes@jonesedmunds.com]
Sent: Wednesday, April 14, 2010 1:03 PM
To: Morris, John R.; Pelz, Susan
Cc: Casey Stephens
Subject: Citrus County Central Landfill LFG Remediation Near MW-10

Good Afternoon John and Susan,

The updated drawings for the LFG remediation system near MW-10 at the Citrus Central Landfill are attached. The drawing of the solar electrical detail is unchanged. The drawing depicting the LFG extraction wells has been changed to include a detail of the below grade suction line connecting each of the wells to the blower and detail showing a vent stack coming out of the blower.

Some notes on the operation of the system are included below:

- The system will be monitored for condensate accumulation in the condensate trap monthly until a reasonable estimation of condensate accumulation vs. time can be established.
- Condensate will be removed by peristaltic pump or bailer and disposed of in the Citrus County Central Landfill Leachate stream.
- LFG will be vented to the atmosphere through a vent stack connected to the blower.
- The LFG extraction wells will be monitored bimonthly for one year for methane and carbon dioxide. Adjustments will be made to the system to maximize LFG removal.

If you have any question or comments, please call me at 352-258-9520.

Thanks,

Morris, John R.

From: Troy Hays [thayes@jonesedmunds.com]
Sent: Wednesday, April 14, 2010 1:03 PM
To: Morris, John R.; Pelz, Susan
Cc: Casey Stephens
Subject: Citrus County Central Landfill LFG Remediation Near MW-10
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If you have any question or comments, please call me at 352-258-9520.

Thanks,

Troy Hays
Geologist

Jones Edmunds & Associates, Inc
730 NE Waldo Road
Gainesville, FL 32641
Phone 352-377-5821 Ext. 5375
Fax 352-377-3166
Mobile 352-258-9520
www.jonesedmunds.com

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Morris, John R.

From: Troy Hays [thayes@jonesedmunds.com]
Sent: Friday, March 26, 2010 4:00 PM
To: Morris, John R.
Cc: Casey Stephens; Thomas Brown; Michelle R. Hays
Subject: Citrus Central Landfill LFG remediation system
Attachments: Citrus LFG remediation.pdf

Good Afternoon John,

The attachment contains two drawings of the proposed LFG remediation system near MW-10 at the Citrus Central Landfill. The first drawing shows the extraction well array—construction details and approximate locations. The second drawing is a detail of the solar power system to run the blower. The drawings are labeled as drafts; as-built drawings will be submitted after the system is in operation.

The extraction wells have been installed and are currently open at ground surface to vent.

If you have any questions or comments, please call me at 352-258-9520.

Thanks,

Troy Hays
Geologist

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730 NE Waldo Road
Gainesville, FL 32641
Phone 352-377-5821 Ext. 5375
Fax 352-377-3166
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4/6/10 SJH/JAM
C1470 TELECOM W/ TROY HAYS
- ASKED FOR ADD'L DETAILS ON DRAWING C-1
- CONDENSATE TRAP IS CALLED
- HEADER PIPE WILL CONNECT THE 5 GAS WELLS TO THE BLOWER
- 1 SOLAR COLLECTOR & 1 BLOWER UNIT
- CONDENSATE TO BE CAPTURED OUT & MAINTAINED AS WASTEWATER; NOT SAMPLE CONDENSATE FOR ANALYSIS

- UPON RECEIPT OF REVISED DETAILS WE WILL FOLLOW UP W/ WRITTEN APPROVAL

Morris, John R.

From: Rojas, David [RojasDR@CDM.com]
Sent: Thursday, February 25, 2010 4:52 PM
To: Morris, John R.
Cc: Pelz, Susan
Subject: RE: Citrus Central Landfill, second 2009 semi-annual ground water monitoring report
Attachments: J31325-1 FI_L2 Final Report.pdf

ATTACHMENT TO THIS MESSAGE WAS INSERTED
IN THE SUBMITTAL RECEIVED idz4/09.

John,
My copy of the report had the TestAmerica Laboratory Report for the August 28th sampling event in it. I'm not sure what happened to your copy. I am sorry for any inconvenience it has caused you by not having a complete report. Here is an electronic copy of the laboratory report for those samples. Please let me know if you need anything else.

David R. Rojas, P.G.

Environmental Scientist/Geologist

CDM
1715 N. Westshore Blvd. Suite 875
Tampa, Florida 33607
Office - 813 281-2900
Direct - 813 262-8857
Fax - 813 288-8787
Cell - 813 951-6717

From: Morris, John R. [mailto:John.R.Morris@dep.state.fl.us]
Sent: Thursday, February 25, 2010 9:00 AM
To: Rojas, David
Cc: Pelz, Susan
Subject: Citrus Central Landfill, second 2009 semi-annual ground water monitoring report

Dave:

Good morning. I was reviewing the results of the routine ground water sampling event conducted July 20, to July 22, 2009 at the referenced facility, provided in the CDM report dated October 2009. The transmittal letter dated October 23, 2009 indicated that the results of the resampling conducted at wells MW-10, MW-13 and MW-15 on August 28, 2009 were also included in the report. It appears that Appendix B of the submittal included the Test America Laboratories report of results, the sampling logs, and the chain of custody forms for the July sampling event only. Appendix C of the submittal included the "report forms" for both the July sampling event and the August resampling event.

Would you check your copy of this report and see if Appendix B includes the Test America report of results, sampling logs, and chain of custody forms were provided for the August 2009 resampling event? If not, would you send me this information via e-mail so I can include it in the file.

Thanks for your assistance.

John

John R. Morris, P.G.
FDEP SW District Office, Solid Waste Section
13051 N. Telecom Pkwy.
Temple Terrace, FL 33637-0926.

Telephone: 813-632-7600, ext. 336
E-mail: john.r.morris@dep.state.fl.us

The Department of Environmental Protection values your feedback as a customer. DEP Secretary Michael W. Sole is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on [this link to the DEP Customer Survey](#). Thank you in advance for completing the survey.

CITRUS COUNTY FL
CORRE FILE



Board of County Commissioners
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION

P.O. Box 340, Lecanto, Florida 34460
Telephone: (352) 527-7670 FAX: (352) 527-7672
email: landfillinfo@bocc.citrus.fl.us
TDD Telephone: (352) 527-5303

Citrus Springs/Dunnellon/Inglis/Yankeetown area Toll Free (352) 489-2120

December 8, 2009

Susan J. Pelz, P.E.
Solid Waste Section
Florida Department of Environmental Protection
13051 N. Telecom Parkway
Temple Terrace, FL 33637-0926

Dept. of Environmental Protection

DEC 11 2009

Southwest District

Re: Citrus County Central Landfill
Permit No. 21375-008-SO/01
Leachate treatment plant

Dear Ms. Pelz:

On the morning of Wednesday, December 2, 2009, landfill staff noted that SBR tank #1 at the leachate treatment plant had started to overflow. Staff turned off the pump and aerator and notified Utilities Division; they responded within minutes to begin the cleanup process. There was a large amount of foam on the top of the tank, so most of the material that overtopped the tank was damp carbon solids rather than liquid. The spilled material landed on pieces of landfill liner, which had been placed around the tanks to simplify maintenance in the plant area. Foam migrated beyond the fenced area around the plant and onto the haul road. Traffic was routed around the foam and cleanup was completed on the same day. Before and after photos are attached. The total was about 100 gallons of solids.

It was surmised that a combination of a bacteria die-off in the activated sludge, along with possible surfactants in the leachate resulted in the generation of the foam. The foaming caused the level sensor to record an incorrect level resulting in the overflow. The plant was reseeded and was back in service by Thursday December 3, 2009. The batch size has been reduced to keep the fluid level in the tank lower.

Please contact me if you have questions or require additional information.

Yours truly,

T. Casey Stephens
Director

TCS

CC: Glenn W. McCracken, Director, Public Works Department
William Bryan, Risk Management

DEC 11 2009

Southwest District

Photo Documentation of cleanup



Foam/Carbon Solids Spill



Clean up completed

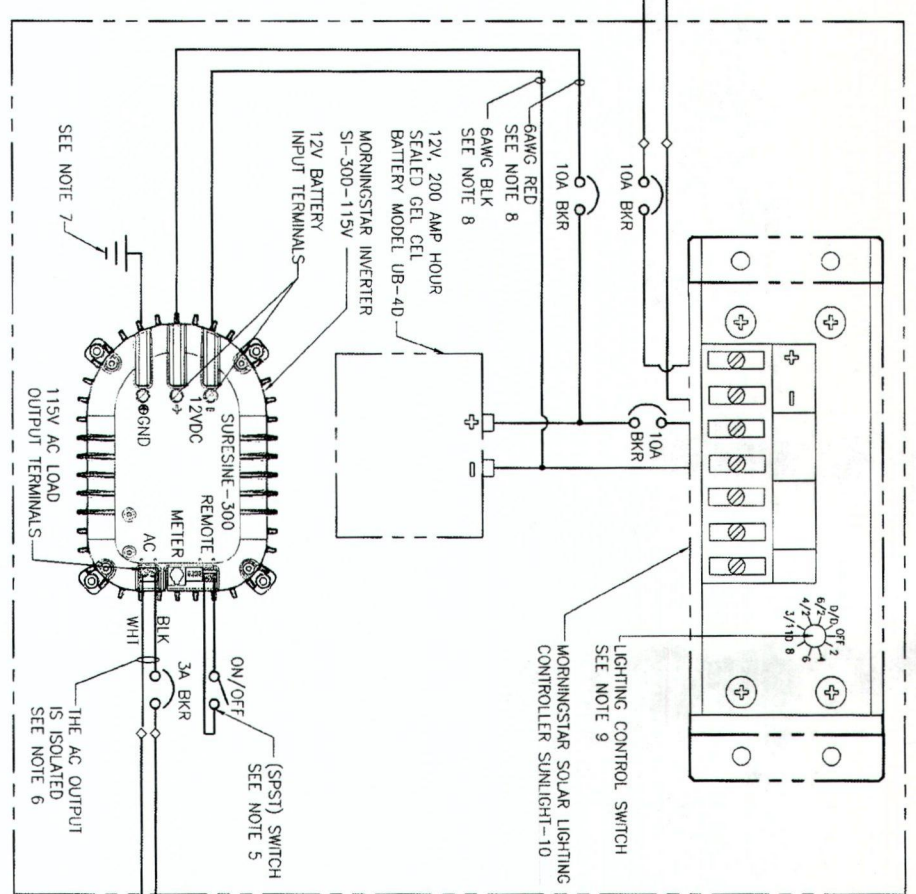
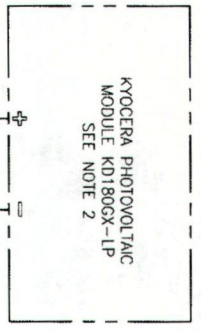
ELECTRICAL ABBREVIATIONS

A	AMPERE
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AMP	AMPERE
AWG	AMERICAN WIRE GAGE
BAT	BATTERY
BC	BARE COPPER
BKR	BREAKER
C	CONDUIT, CONDUCTOR, CONDUCTOR,
CB	CIRCUIT BREAKER
CFWE	CABLE FURNISHED WITH EQUIPMENT
CKT	CIRCUIT
CRS	COATED RIGID STEEL CONDUIT
DC	DIRECT CURRENT
SPST	A SINGLE-POLE, SINGLE-THROW
DPDT	DOUBLE-POLE DOUBLE-THROW
DPST	DOUBLE-POLE SINGLE-THROW
F, FU	FUSE
G	GROUND
GALV	GALVANIZED
GND	GROUND
GRS	GALV RIGID STEEL CONDUIT
HP	HORSEPOWER
HZ	HERTZ
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
IES	ILLUMINATING ENGINEERING SOCIETY
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
NO	NORMALLY OPEN
NTS	NOT TO SCALE
PH	PHASE
PNL	PANEL
SS	STAINLESS STEEL
SW	SWITCH
V	VOLTAGE, VOLTS

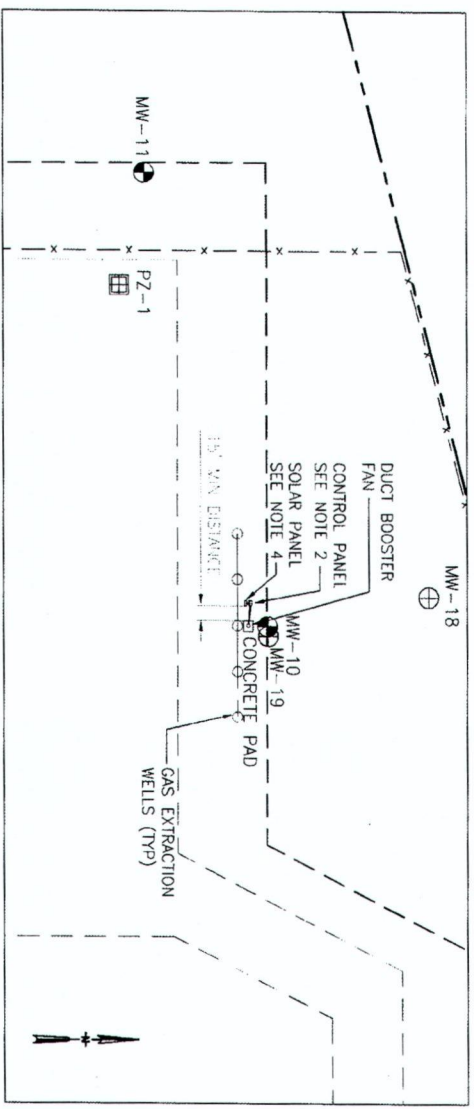
ELECTRICAL LEGENDS

SYMBOL	DESCRIPTION
⊕	MOTOR, HORSEPOWER INDICATED
⊙	GROUND ROD, 5/8"x10'-0" COPPER CLAD
○	CONDUIT UP (MULTIPLE OR SINGLE)
●	CONDUIT DOWN (MULTIPLE OR SINGLE)
—	CONDUIT, EXPOSED
—	CONDUIT IN FLOOR OR UNDERGROUND
—	MULTIPLE CONDUIT RUN (UNDERGROUND UNLESS OTHERWISE INDICATED)
—	EQUIPMENT OUTLINE
◇	ON/OFF ON-OFF SWITCH
⊠	TERMINAL BLOCK (12VDC)
⊞	CIRCUIT BREAKER
⊞	FUSE

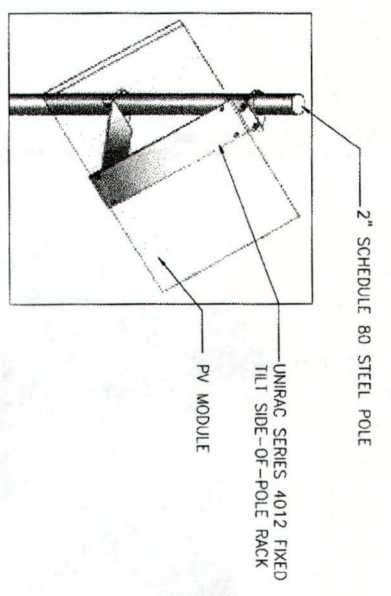
SOME SYMBOLS AND ABBREVIATIONS MAY APPEAR ON THE LEGEND AND NOT ON THE DRAWINGS. FOR ADDITIONAL ABBREVIATIONS OF OTHER DIVISIONS, SEE OTHER LEGENDS FOR MECHANICAL AND CIVIL.



ELECTRICAL DIAGRAM



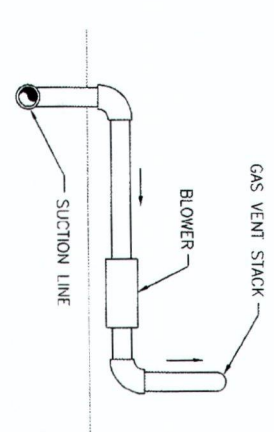
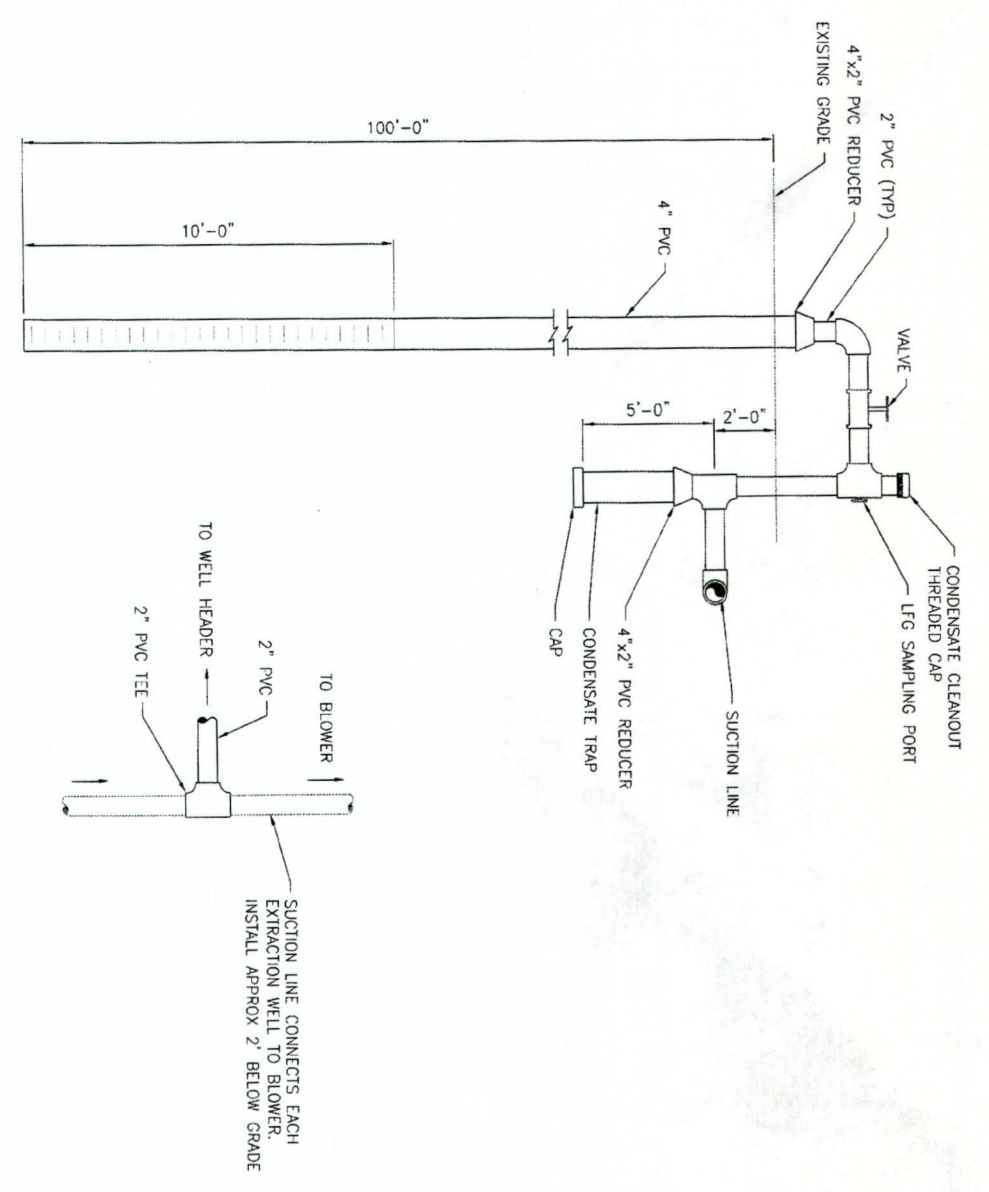
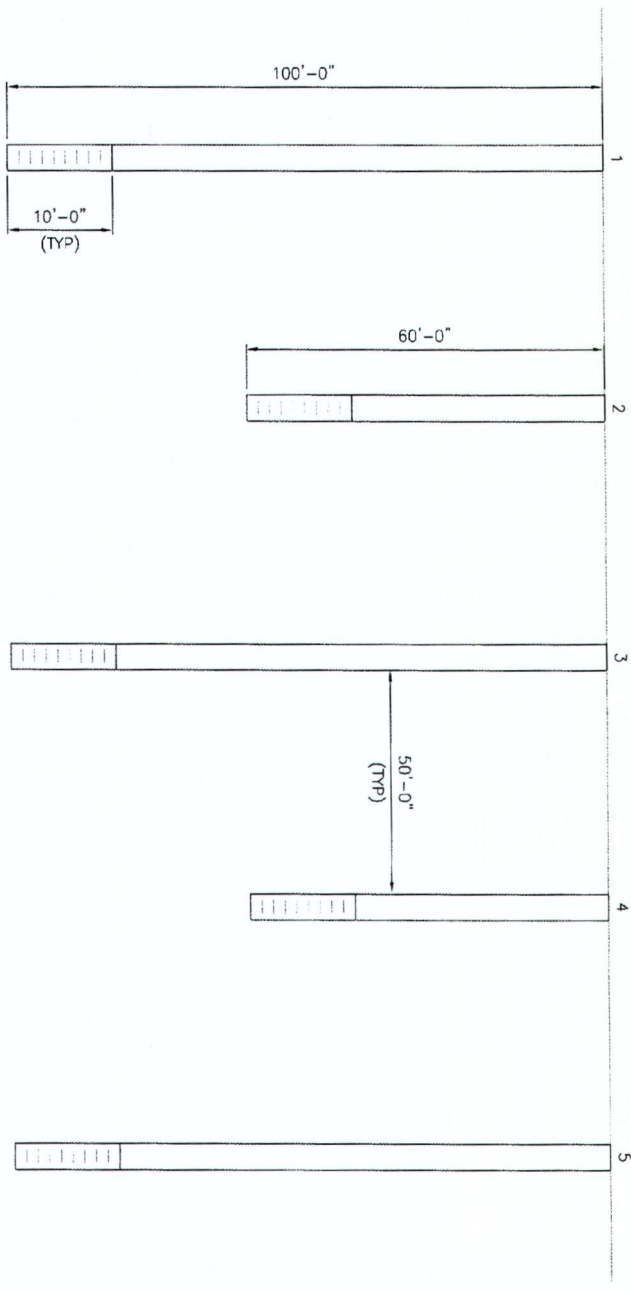
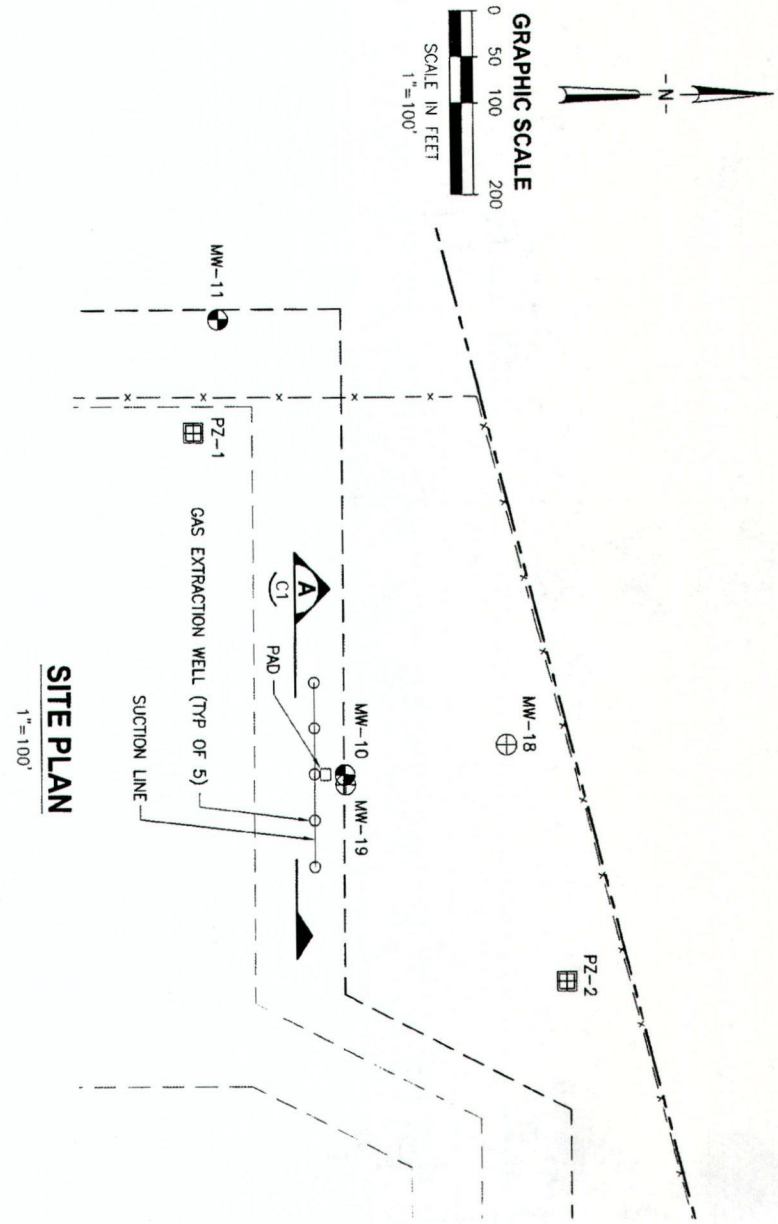
CITRUS COUNTY CENTRAL LANDFILL ELECTRICAL PLAN



CONTROL PANEL MOUNTING DETAIL

NOTES

1. PROVIDE ONE SPARE CIRCUIT BREAKER FOR EACH TYPE USED.
2. MOUNT ALL ELECTRICAL DEVICES IN A NEMA 4X 316 STAINLESS STEEL ENCLOSURE WITH PADLOCKING HASP. ENCLOSURE SHALL BE MINIMUM 36"X30"X20" MODEL SP44SS6-363020 BY SHAEFERS.
3. ALL COMPONENTS SHALL BE SIZED PER NATIONAL ELECTRICAL CODE.
4. MOUNT SOLAR PANEL ON UNIRAC SERIES 4012 FIXED TILT SIDE-OF-POLE RACK ON 2" SCHEDULE 80 STEEL POLE. REFER TO UNIRAC INSTALLATION MANUAL FOR INSTRUCTIONS.
5. USE 16 AWG WIRE TO CONNECT REMOTE TERMINALS OF THE SPST ON/OFF SWITCH.
6. AC LINE AND NEUTRAL ARE INTERCHANGEABLE. USE UL LISTED 12AWG BLACK WIRE FOR AC LINE AND UL LISTED 12AWG WHITE WIRE FOR AC NEUTRAL. THE EARTH GROUND LEG DEFINES AC NEUTRAL.
7. USE UL 4AWG OR LARGER GREEN WIRE FOR GROUND.
8. USE UL LISTED 6AWG OR LARGER BLACK WIRE TO CONNECT 12V BATTERY NEGATIVE TO NEGATIVE DC INPUT TERMINAL. USE UL LISTED 6AWG OR LARGER RED WIRE TO CONNECT THE 12V BATTERY POSITIVE TO THE DC INPUT POSITIVE TERMINAL ON THE SURESINE UNIT.
9. TURN LIGHTING CONTROL SWITCH TO THE LIGHTING OPTION DESIRED. REFER TO SUNLIGHT SOLAR LIGHTING CONTROLLER OPERATOR'S MANUAL FOR AVAILABLE LIGHTING CONTROL OPTIONS.
10. ATTACH STRUT TO CONCRETE POST WITH STAINLESS STEEL ALL-THREAD EXTENDING THROUGH THE CONCRETE POSTS WITH STAINLESS STEEL NUTS AND WASHERS ON EACH SIDE.



NOTE:
GAS WILL BE VENTED TO ATMOSPHERE.

SECTION A
NTS

VENT STACK DETAIL
NTS

DEEP SOIL VAPOR EXTRACTION SYSTEM DETAIL
NTS

PRELIMINARY

DESIGNED	TJH	DATE	
DRAWN	ABG	DATE	
CHECKED		DATE	
REVISIONS		DATE	
BY	APPRD.	DATE	

730 NE WILCO ROAD, CANONVILLE, FLORIDA 32841 / (407) 327-4831	JONES EDMUNDS CENTRAL LANDFILL GROUNDWATER CONTAMINATION REMEDIATION CITRUS COUNTY, FLORIDA	SITE PLAN AND DETAILS
2615 S. STATE ROAD, APT. 118, TAMPA, FLORIDA 33606 / (813) 258-0793		

CERTIFICATE OF AUTHORIZATION #1941	DATE	PROJECT NO.
APPROVED BY	FEB 2010	03860-038-01
P.E. #	SCALE	DWG. NO.
	AS NOTED	C1

DATE	REVISIONS	BY	APPROD.

DESIGNED	TDH
DRAWN	ABC
CHECKED	-

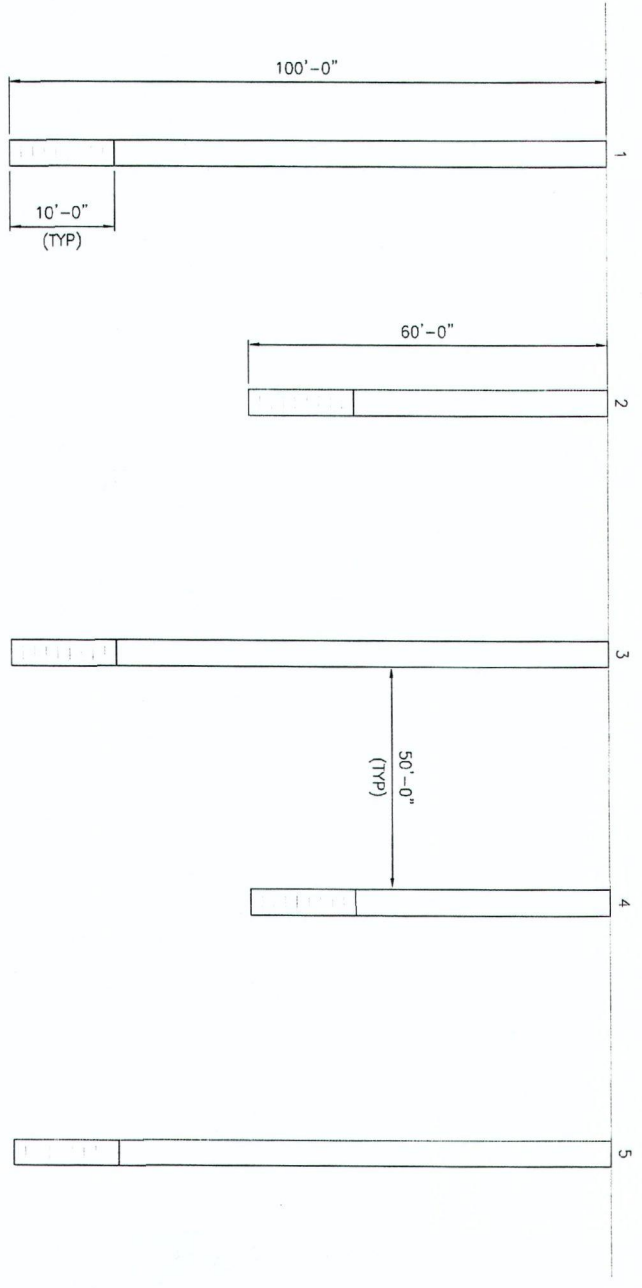
JONES EDMUNDS
 730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
 324 S HYDRE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

**CENTRAL LANDFILL
 GROUNDWATER CONTAMINATION REMEDIATION
 CITRUS COUNTY, FLORIDA**

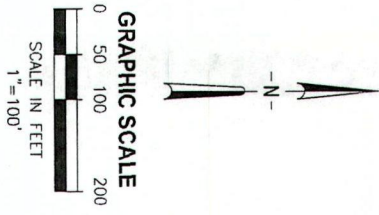
SITE PLAN AND DETAILS

CERTIFICATE OF AUTHORIZATION #1841	DATE	PROJECT NO.
APPROVED BY	FEB 2010	03860-038-01
SCALE	AS NOTED	DWG. NO.
		C1

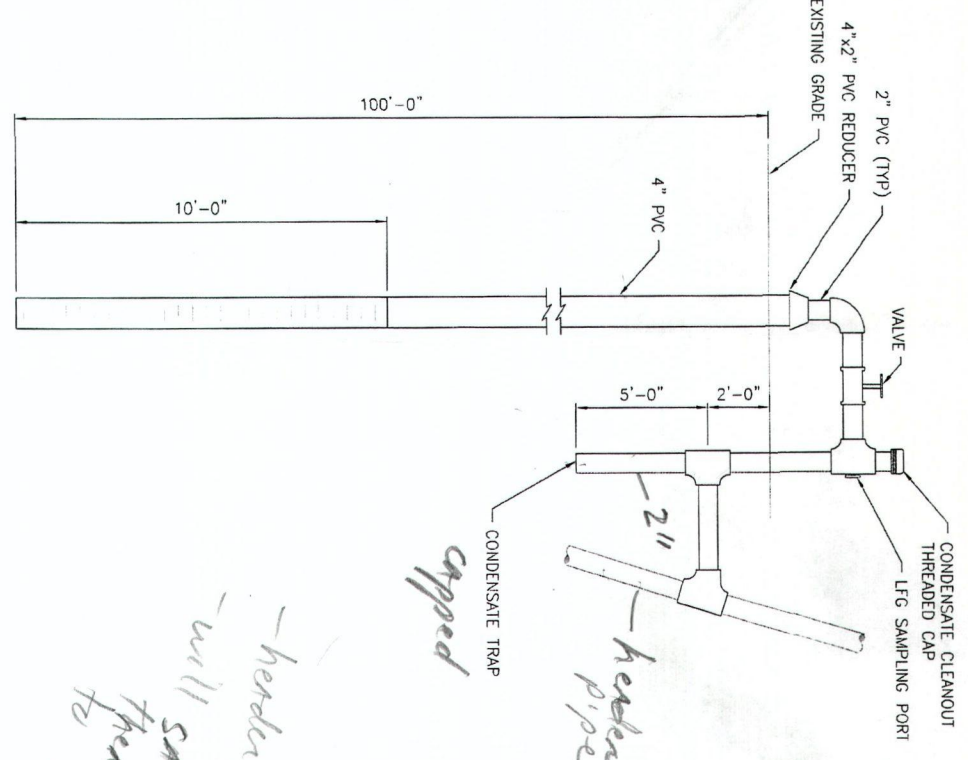
SECTION A
 NTS
 C1



SITE PLAN
 1"=100'



DEEP SOIL VAPOR EXTRACTION SYSTEM DETAIL
 NTS



*-header pipe to blower
 -will sample condensate to
 then pump/discharge to
 vent with tank
 capped*

DRAFT

PRELIMINARY

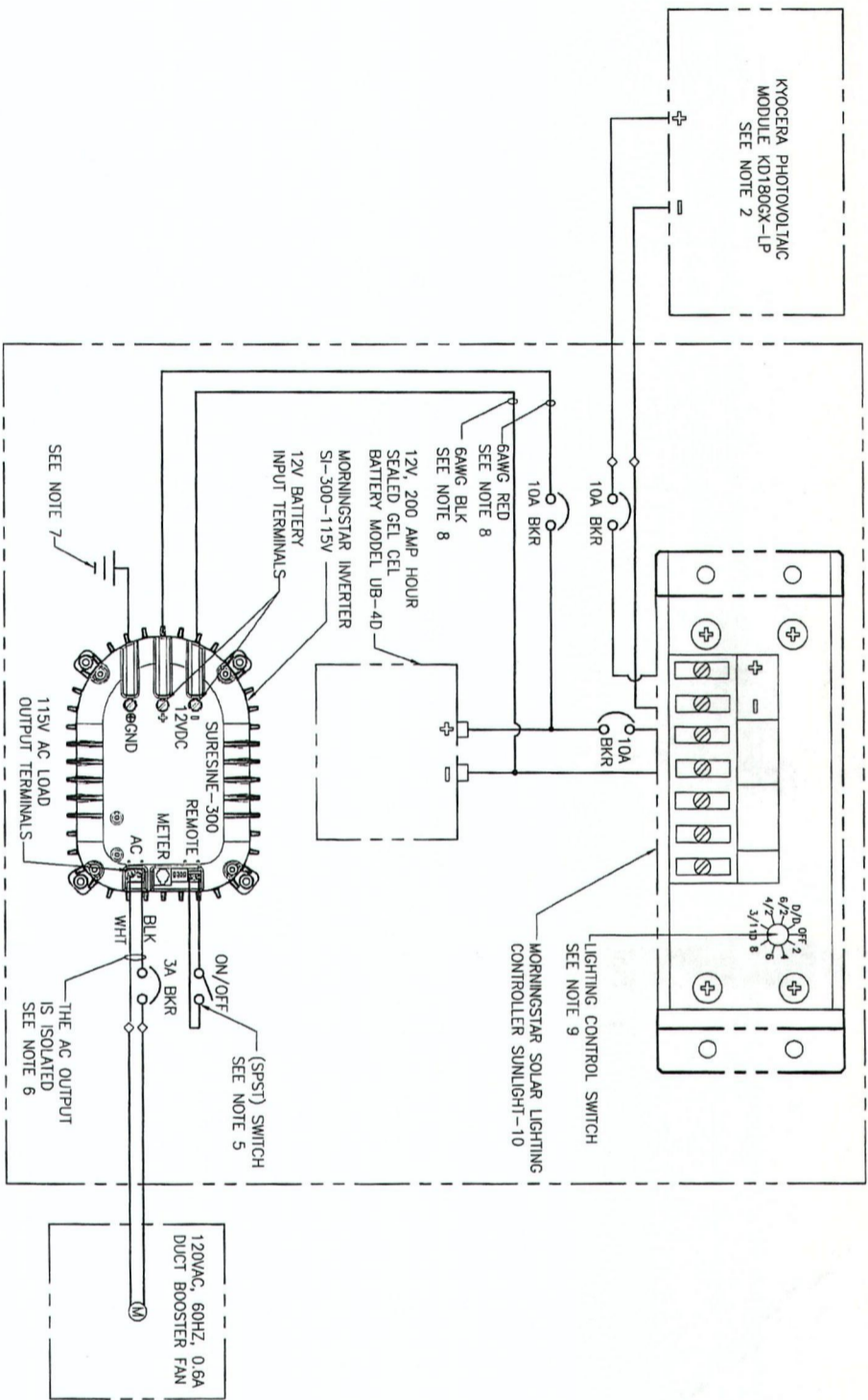
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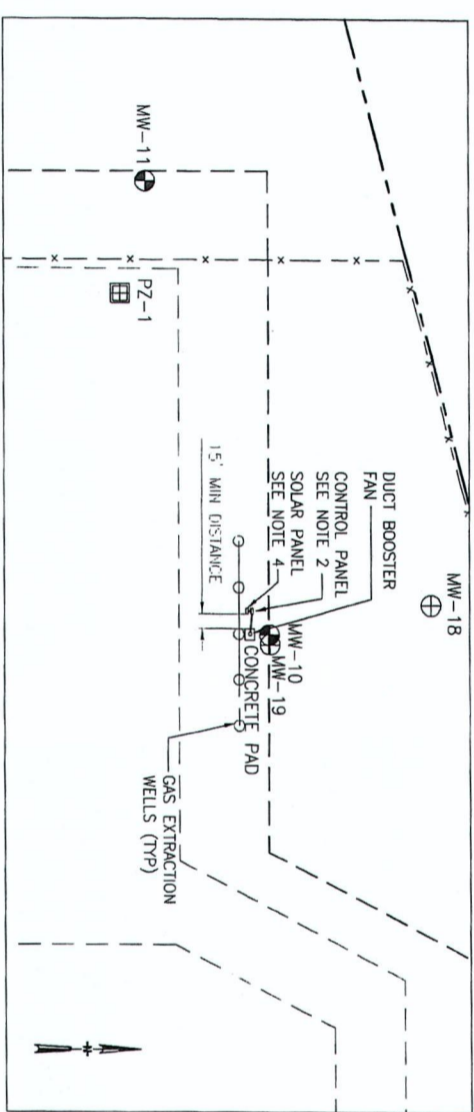
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⊙	CIRCUIT BREAKER
⊙	FUSE

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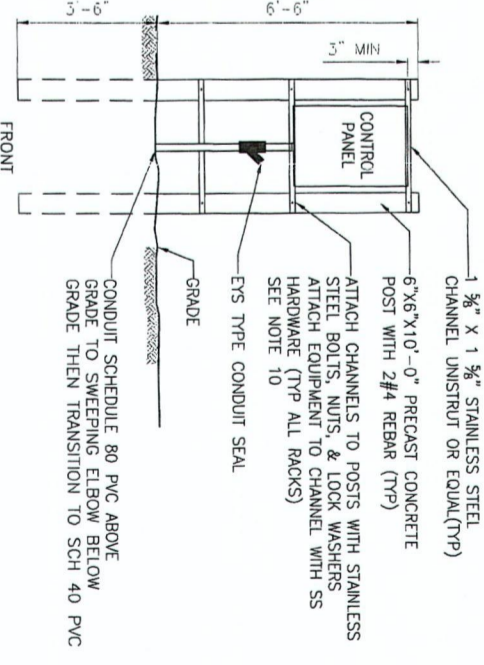
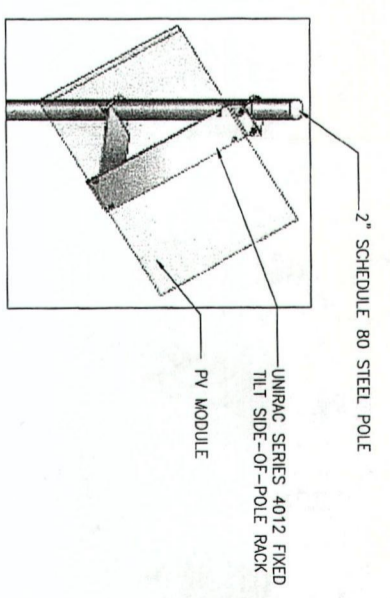


ELECTRICAL DIAGRAM



CITRUS COUNTY CENTRAL LANDFILL ELECTRICAL PLAN

DRAFT



CONTROL PANEL MOUNTING DETAIL

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