COLLATED FILE COPY

ANGELO'S AGGREGATE MATERIALS ENTERPRISE RECYCLING AND DISPOSAL FACILITY CLASS III OPERATIONS PERMIT MINOR MODIFICATIONS—UPDATES

Prepared for:

ANGELO'S AGGREGATE MATERIALS, LTD.
d/b/a ANGELO'S RECYCLED MATERIALS
P.O. Box 1493
Largo, Florida 33779

Presented to:

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT
13051 N. Telecom Parkway
Temple Terrace, Florida 33637

Prepared by:

JONES EDMUNDS & ASSOCIATES, INC.
730 NE Waldo Road
Gainesville, Florida 32641

P.E. Certificate of Authorization #1841

August 2009

Revised
10/22/09
11/23/09

Morgan, Steve

From: John Arnold [john.phillip.arnold@gmail.com]
Sent: Monday, February 20, 2012 3:51 PM
To: Morgan, Steve
Subject: Re: Cell 6 Certification
Attachments: scan0224.pdf

Steve,

Thanks for taking the time to discuss these issues with me earlier today. I know that Lockleer was able to discuss the minor modification with Morris after we talked and he is working on the submittal in support of the proposed new groundwater well locations. That should be turned in by Thursday. I also wanted to confirm that the description of the 1' lifts applied to the flat, bottom portion of the cell and the south side slope was built per the drawings and I'll include the description in the report.

In looking at the berm on the north side of Cell 6, the Jones Edmunds drawings do not have the tie to grade of the berm outside of the cell. I propose to make it 3 (horizontal) to 1 (vertical) per the attached sketch (which is the cell 6 top of clay drawing). I also would like to request that the height of the berm be allowed to be constructed to the grades shown (in red), which would provide natural containment and a visual bufferer. As shown by Jones Edmunds, the proposed berm is close to 30' high without any tie to grade to the north. I talked to the Carol and Don at Jones Edmunds and they don't have an engineering reason for the berm being this high, which is why I would ask for the field deviation (which I think still provides a substantial berm). I confirm that the drawings will be revised for the pending permit renewal application to address these and any other "unclear" or "invalid" elements. Thank you for your consideration on this item.

John

On Mon, Feb 20, 2012 at 8:07 AM, Morgan, Steve <Steve.Morgan@dep.state.fl.us> wrote:

See comments below in BLUE.

Please feel free to e-mail or call me if you have any further questions.

Steven G. Morgan, Solid Waste Section

Florida Department of Environmental Protection

Southwest District Office

13051 North Telecom Parkway

Temple Terrace, FL 33637-0926

phone - (813) 632-7600 x385

fax - (813) 632-7664

e-mail - steve.morgan@dep.state.fl.us

From: John Arnold [mailto:john.phillip.arnold@gmail.com]
Sent: Thursday, February 16, 2012 11:05 AM
To: Morgan, Steve
Cc: Locklear, John
Subject: Cell 6 Certification

Steve,

John Lockleer was working with me to get the groundwater wells associated with Cell 6 installed. Lockleer had some discussions with Morris and I would like to get your input on the best way to proceed. I can place the wells in the location specified in the existing permit (although per Lockleer/Morris we will propose new wells with the permit renewal), or I can field adjust them based on what Lockleer and Morris have discussed in terms of current data and groundwater flow (since we are working on the permit renewal). Either way will work for me and I'm trying to get the Cell 6 certified prior to submitting the permit renewal application. Please let me know what you think would work best.

It is my understanding that John Morris had discussed with John Locklear that based on recent groundwater elevation results, installation of the Cell 6 wells in the locations specified in the permit is no longer appropriate and would not result approval of the Cell 6 certification. The alternative plan for monitoring Cell 6, discussed by Mr. Morris & Mr. Locklear go beyond "field adjustment" of permitted wells and would require a permit modification at this time or could be addressed in the permit renewal, as we discussed during our November 30, 2011 pre-application meeting. Approval of the Cell 6 certification would be pending issuance or the permit modification or permit renewal and subsequent installation of the new Cell 6 wells.

I also had Jones Edmunds correct their cell sequence drawings to show the correct top of clay and excavation elevations and planned to submit them with the Cell 6 certification. Although your Cell 6 RAI addresses this, I wanted Jones Edmunds to fix their work and amend those drawings that were provided in the modification of the fill sequence. Alternatively, I can have Jones Edmunds provided the corrected drawings as a follow-up to their original modification, if that is more clear.

As we discussed during our November 30, 2011 meeting, you could either do a permit modification to change your permit drawings to correct the drawings to be consistent with what you built or correct the drawings as part of permit renewal. In either of these cases, approval of the Cell 6 certification is pending actions that make what was constructed consistent with the permit drawings.

With regard to the small berm along the north side of Cell 6, it was my desire to represent its absence as a minor field deviation. Since any liquid on the bottom of Cell 6 drains by gravity to the same location to the east, the absence of the small berm does not affect the design or function. However, if that is not acceptable, I can build the berm and provide you with an as-built.

The Department does not consider the absence of the berm as a minor field deviation, as discussed during the November 30, 2011 meeting and in the RAI for the Cell 6 certification. At the permittee's discretion, you may either install the permitted berm or revise the permit drawings (as part of the above described permit modification or permit renewal). Approval of Cell 6 certification is pending completion of one of these options.

Locklear mentioned that you may be out sick, so I understand that you may not get this week. I have the other information from the Cell 6 Certification RAI pulled together and planned, based on your response, to submit the additional information late next week if possible.

Although you may submit additional information to address the other Department's comments in the Cell 6 Certification RAI, the Department will not be able to approve the Cell 6 construction certification until the above described permit modification or renewal is submitted and approved and documentation that the Cell 6 monitor wells are installed is submitted to the Department.

Thanks for your help and please let me know if it would be convenient to discuss any of this when you have time.

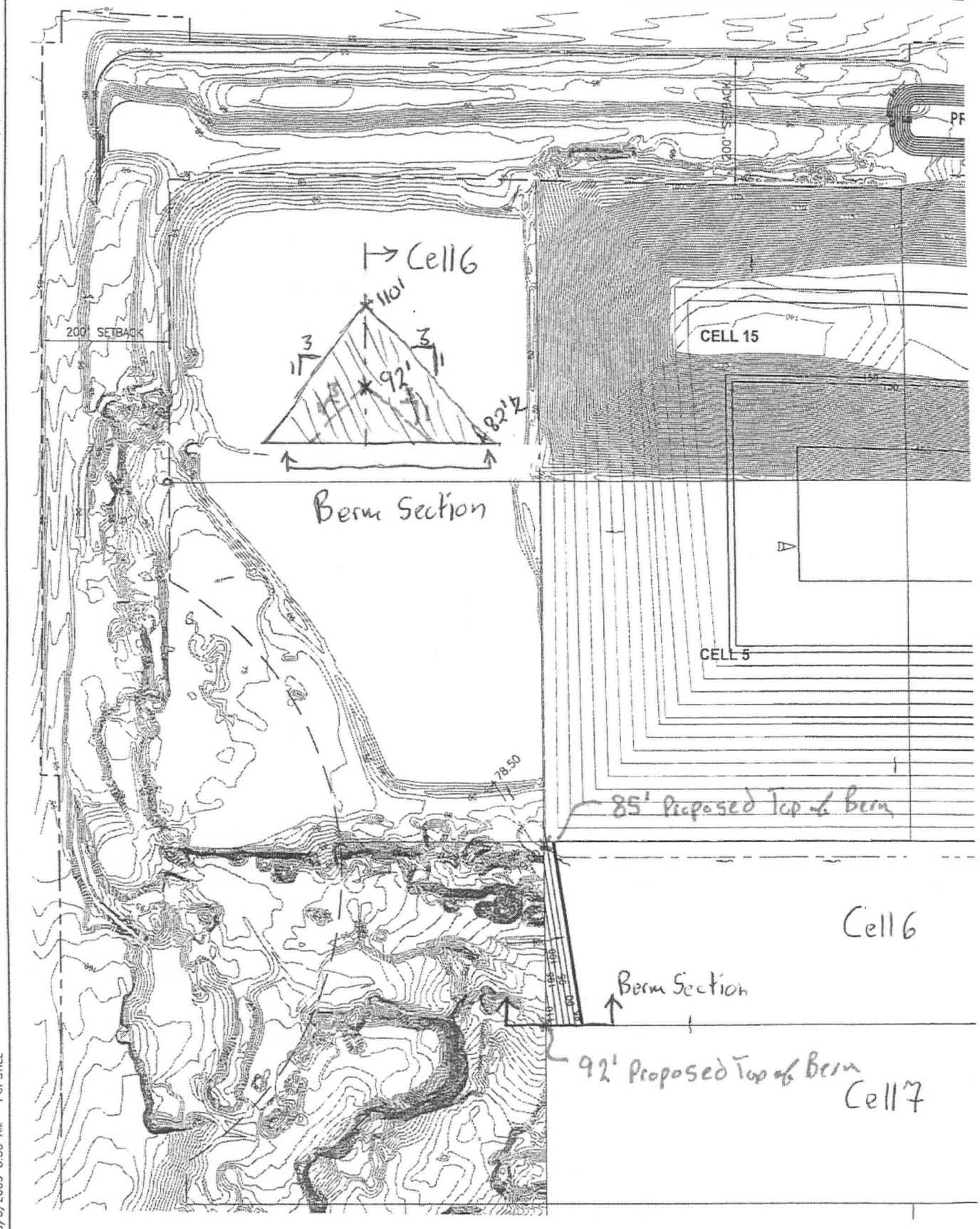
John

--
John Arnold, P.E.
Ph. (352) 339-1408

--
John Arnold, P.E.
Ph. (352) 339-1408

\\Jeacad\Drafting\01030 Angelo's Recycled Material\006 Class III Permit Modification\Permit Modification Drawings\0103000602-c09.dwg

Plotted: 8/05/09 10:29am pupstill



LAST SAVED: 8/5/2009 8:30 AM PUPSTILL

LTR.	DATE	REVISIONS	BY	APPRD.
2	8/09	PERMIT MODIFICATION 2	PEV	DAD
1	11/07	PERMIT MODIFICATION	ABC	DAD

DESIGNED TSM
DRAWN H2B
CHECKED DAD

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

ANGELO'S A
ENTERPRISE RI

Morgan, Steve

To: John Arnold
Cc: Locklear, John
Subject: RE: Cell 6 Certification

See comments below in BLUE.

Please feel free to e-mail or call me if you have any further questions.

Steven G. Morgan, Solid Waste Section
Florida Department of Environmental Protection
Southwest District Office
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

phone - (813) 632-7600 x385
fax - (813) 632-7664
e-mail - steve.morgan@dep.state.fl.us

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Sent: Thursday, February 16, 2012 11:05 AM
To: Morgan, Steve
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It is my understanding that John Morris had discussed with John Locklear that based on recent groundwater elevation results, installation of the Cell 6 wells in the locations specified in the permit is no longer appropriate and would not result approval of the Cell 6 certification. The alternative plan for monitoring Cell 6, discussed by Mssrs. Morris & Locklear go beyond "field adjustment" of permitted wells and would require a permit modification at this time or could be addressed in the permit renewal, as we discussed during our November 30, 2011 pre-application meeting. Approval of the Cell 6 certification would be pending issuance or the permit modification or permit renewal and subsequent installation of the new Cell 6 wells.

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The Department does not consider the absence of the berm as a minor field deviation, as discussed during the November 30, 2011 meeting and in the RAI for the Cell 6 certification. At the permittee's discretion, you may either installed the permitted berm or revise the permit drawings (as part of the above described permit modification or permit renewal). Approval of Cell 6 certification is pending completion of one of these options.

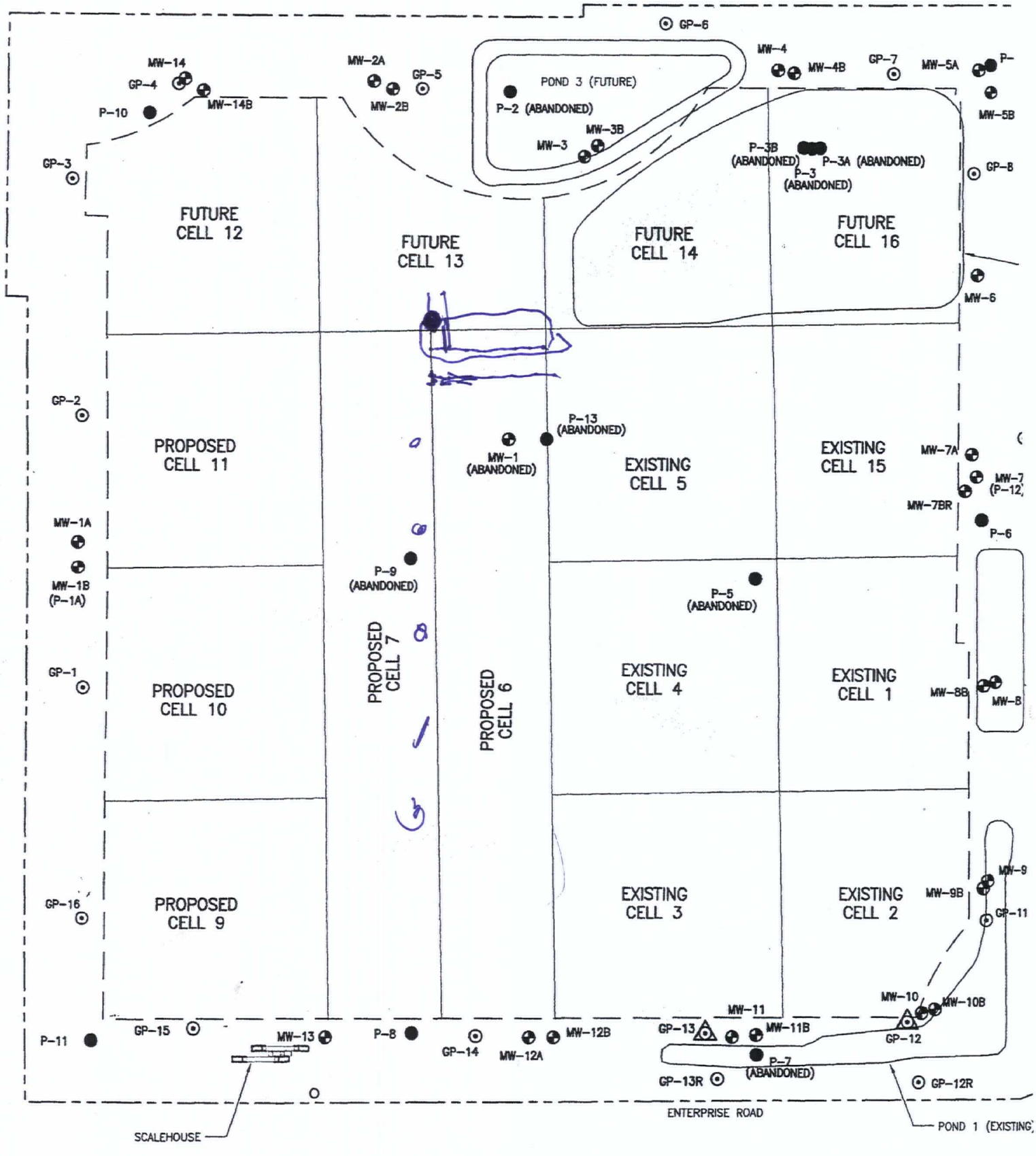
Lockleer mentioned that you may be out sick, so I understand that you may not get this week. I have the other information from the Cell 6 Certification RAI pulled together and planned, based on your response, to submit the additional information late next week if possible.

Based on the fact that the Department has received neither the above described permit modifications or permit renewal application, the submittal of additional information in anticipation of approval of the Cell 6 construction certification appears premature.

Thanks for your help and please let me know if it would be convenient to discuss any of this when you have time.

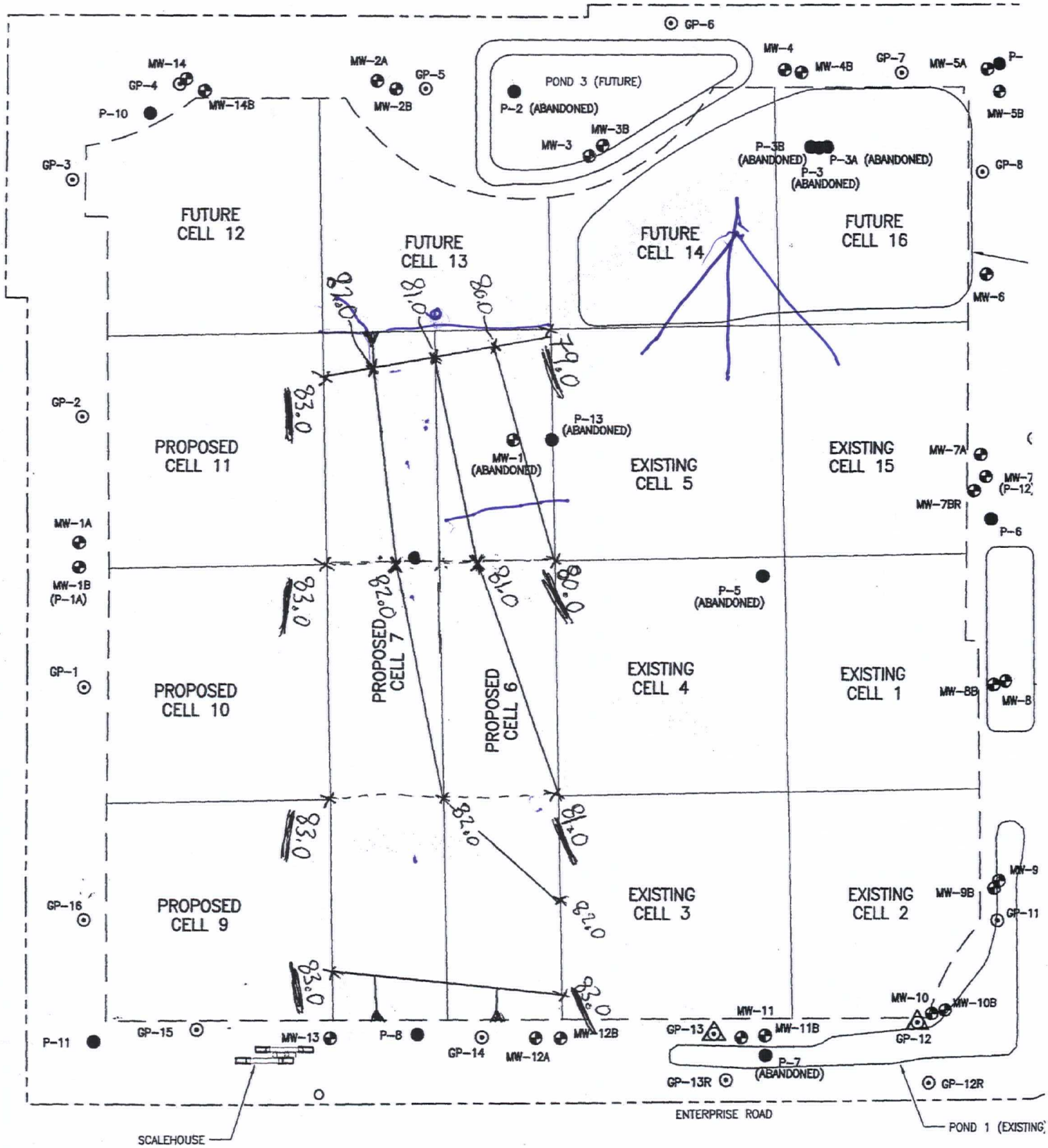
John

--
John Arnold, P.E.
Ph. (352) 339-1408



1" = 300' Source: OCT 2009 MOD JEA

OMUNDS

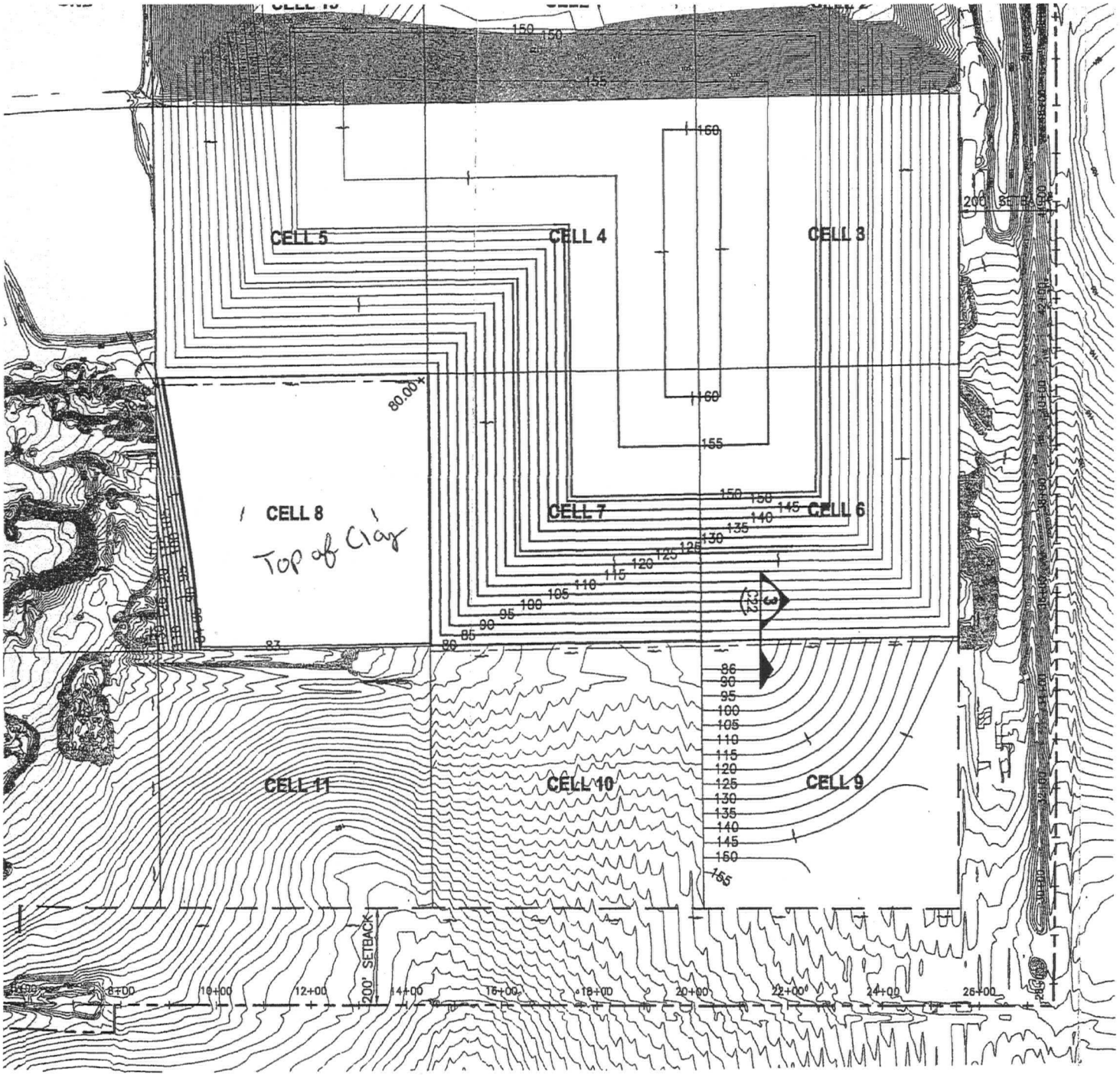


Top of Clay Grading Plan

↑N 1" = 300'

OMUNDS

Source: October 2009 Modification



SCALE IN FEET
1"=150'

LEGEND

- PROPERTY BOUNDARY
- LANDFILL LIMITS
- CELL BOUNDARY
- FLOW ARROW
- APPROXIMATE FILLING SEQUENCE CONTOURS
- APPROXIMATE CENTER

NOTES:
1. THE CONTOURS IN CELL 8 REPRESENT THE TOP OF CLAY ELEVATION FOR CELL CONSTRUCTION.
2. THE CONTOURS IN CELL 9 REPRESENT THE MINING EXCAVATION GRADES.

Source: Nov 2006 JEA

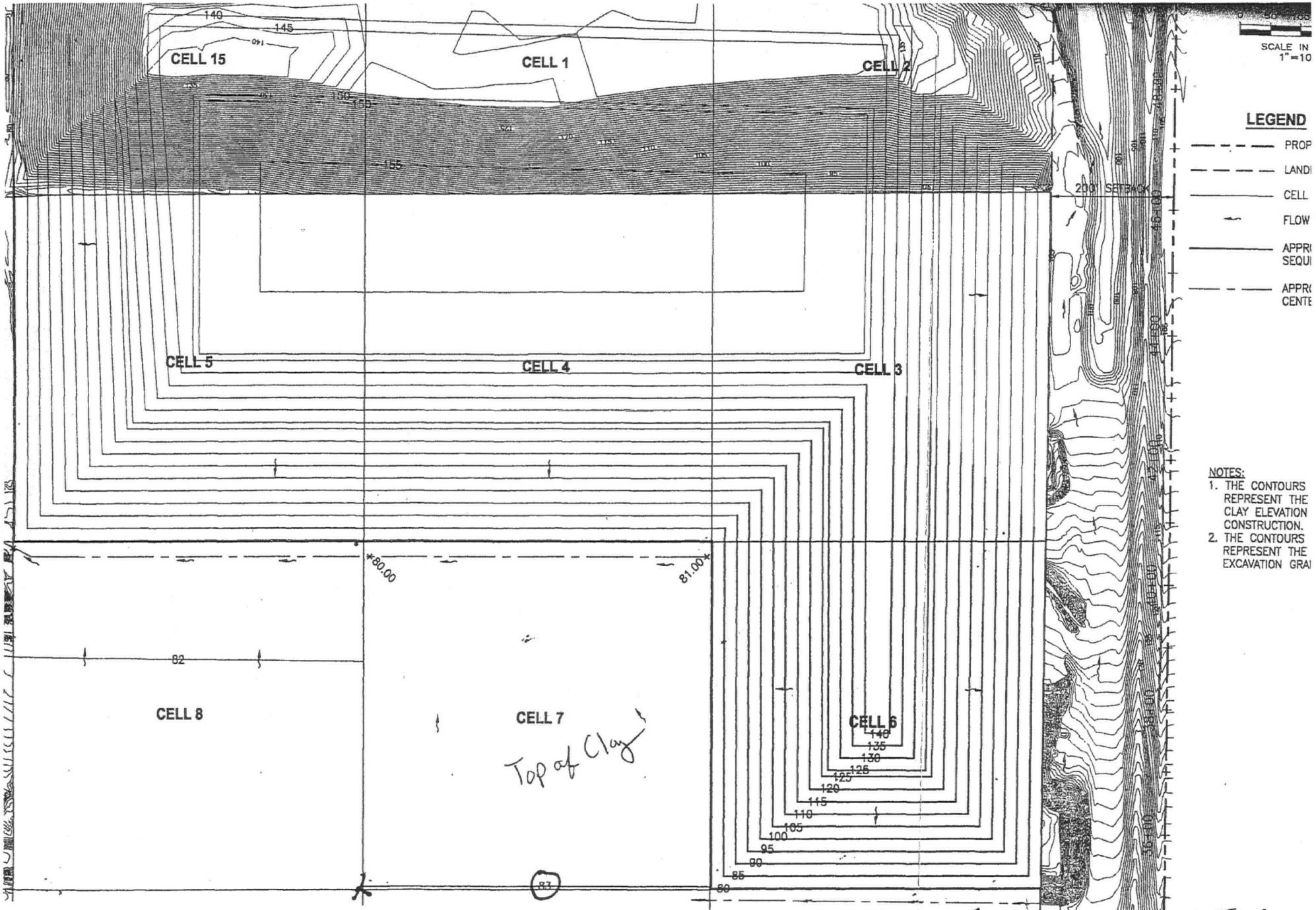
JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

ANGELO'S AGGREGATE MATERIALS, LTD.
ENTERPRISE RECYCLE AND DISPOSAL FACILITY

1" = 300'

FILLING SEQUENCE 6

CERTIFICATE OF AUTHORIZATION #1841	DATE
APPROVED BY	NOV 2006
MARK ROBERTS, P.E.	SCALE
P.E. # 54187	1"=150'



1" = 200' Source: NOV 2006 JEA

ONES EDMUNDS
NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

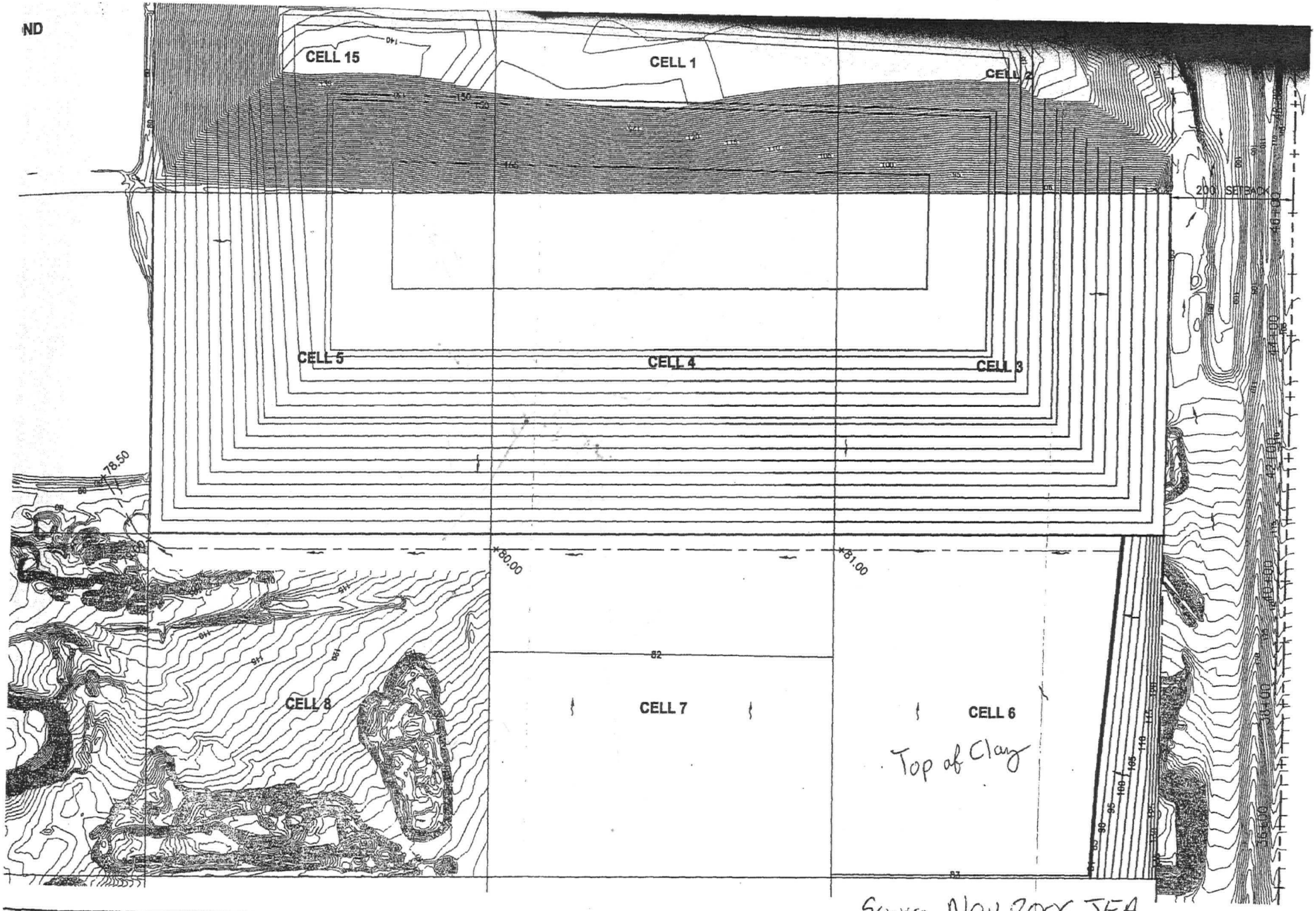
ANGELO'S AGGREGATE MATERIALS, LTD.
ENTERPRISE RECYCLE AND DISPOSAL FACILITY

FILLING SEQUENCE 5

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
MARK ROBERTS, P.E.
P.E. # 54187

DATE
NOV 2006

SCALE
1" = 100'



Source NOV 2006 JEA

JONES EDMUNDS
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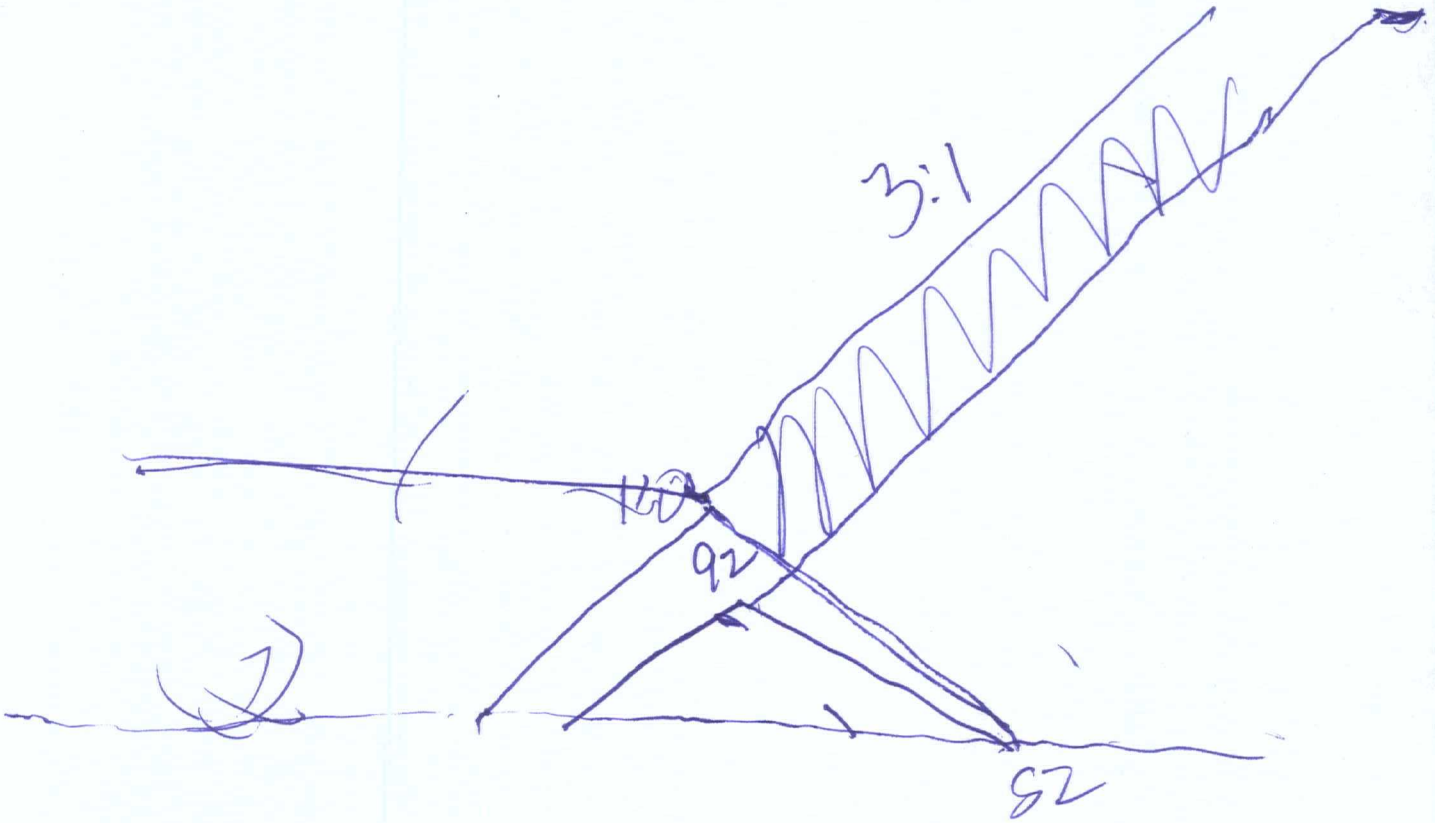
ANGELO'S AGGREGATE MATERIALS, LTD.
ENTERPRISE RECYCLE AND DISPOSAL FACILITY

1" = 200'
FILLING SEQUENCE 4

CERTIFICATE OF AUTHORIZATION #
APPROVED BY
MARK ROBERTS, P.E.
P.E. # 54187


3:1
92
82

Morgan, Steve

From: Pelz, Susan
Sent: Monday, December 05, 2011 11:50 AM
To: Morgan, Steve
Subject: FW: Cells 6 and 7 top of clay grading plan Enterprise Road Class III - Angelo's Recycled Materials
Attachments: scan0080.pdf

From: John Arnold [mailto:john.phillip.arnold@gmail.com]
Sent: Monday, December 27, 2010 1:26 PM
To: Pelz, Susan
Cc: Morgan, Steve
Subject: Cells 6 and 7 top of clay grading plan Enterprise Road Class III - Angelo's Recycled Materials

Susan,

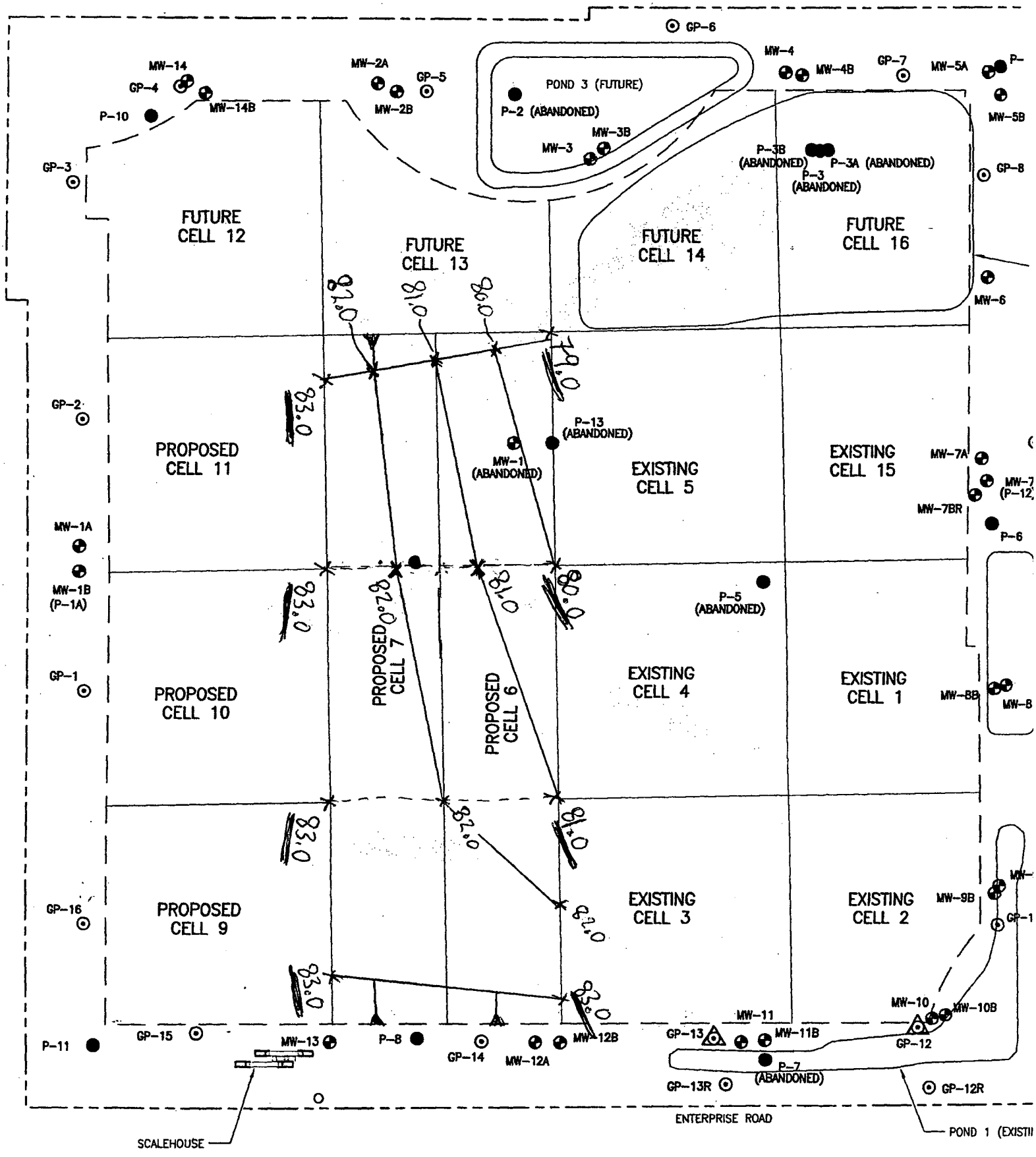
I was looking at the drawings for cells 6 and 7 (Enterprise Road Class III landfill) that were approved as part of the last modification (Jones Edmunds October 2009) and noticed that they did not have the top of clay grades, which were included in the November 2006 application. I've attached copies of the drawings (81/2" x 11"), all of which represent top of clay for the individual fill sequences.

As you recall, cells 6 and 7 were reconfigured as part of a modified fill sequence, which is probably why they did not include the top of clay elevations. I've transcribed the top of clay elevations from the 2006 drawings onto the 2009 drawing and have created what I think is the top of clay grading plan. The corresponding bottom of excavation would be 3' or greater in depth from the top of clay. On the the consolidated "top of clay grading plan", I've underlined the spot elevations from the other individual drawings and linearly interpolated the other elevations and drew topographic lines.

Please look at this "top of clay grading plan" and let me know if it is acceptable, or if you have any questions or ideas on what would be acceptable. We are still in the borrow pit phase for those cells (6 and 7), but the sub-grades are getting close and I don't want to have to rework those areas.

Thanks and please call if I can help in any way.

--
John Arnold, P.E.
Angelo's Recycled Materials
Mob. 352.339.1408
Tel. 813.477.1719
Fax. 352.567.9448

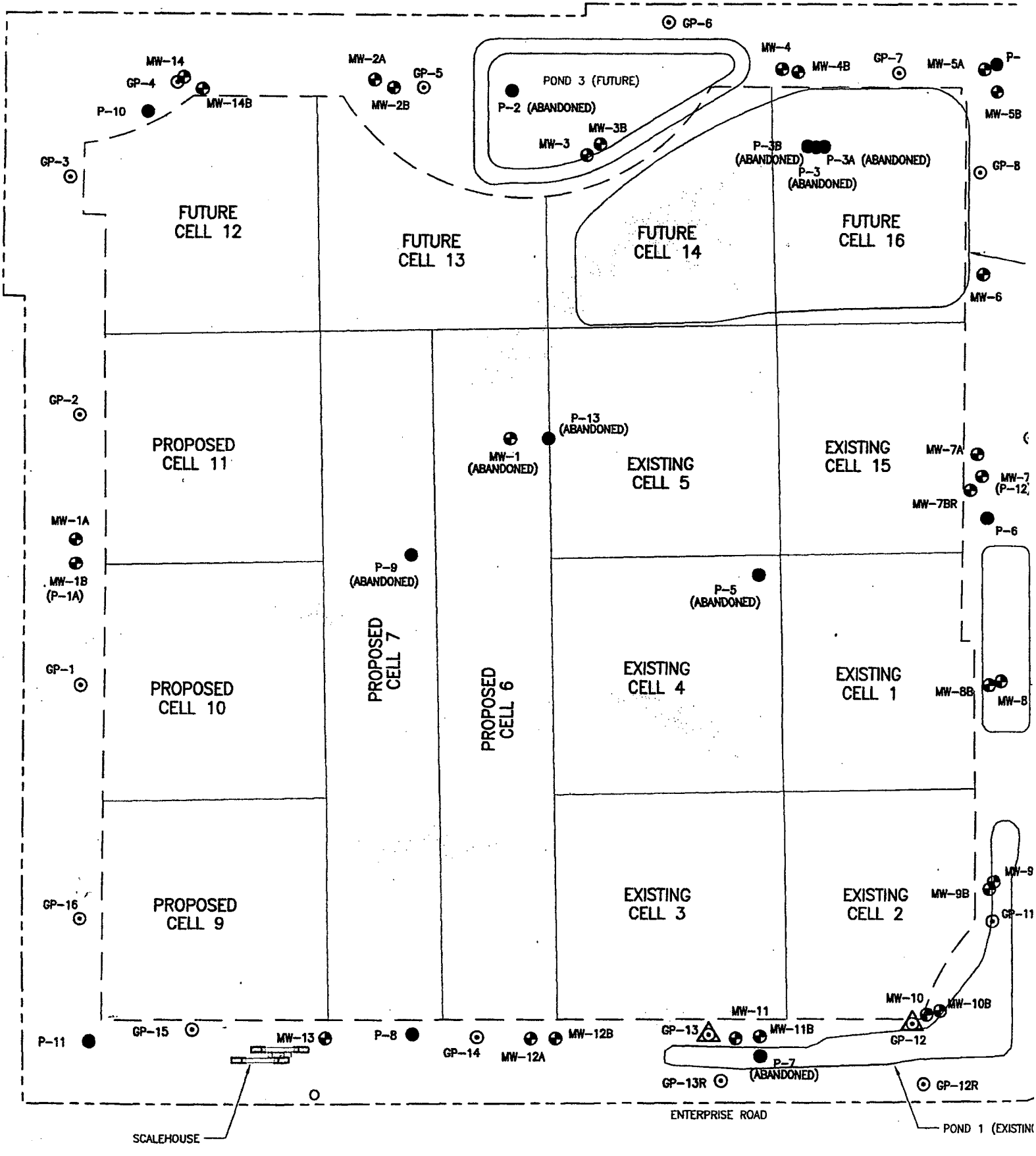


Top of Clay Grading Plan

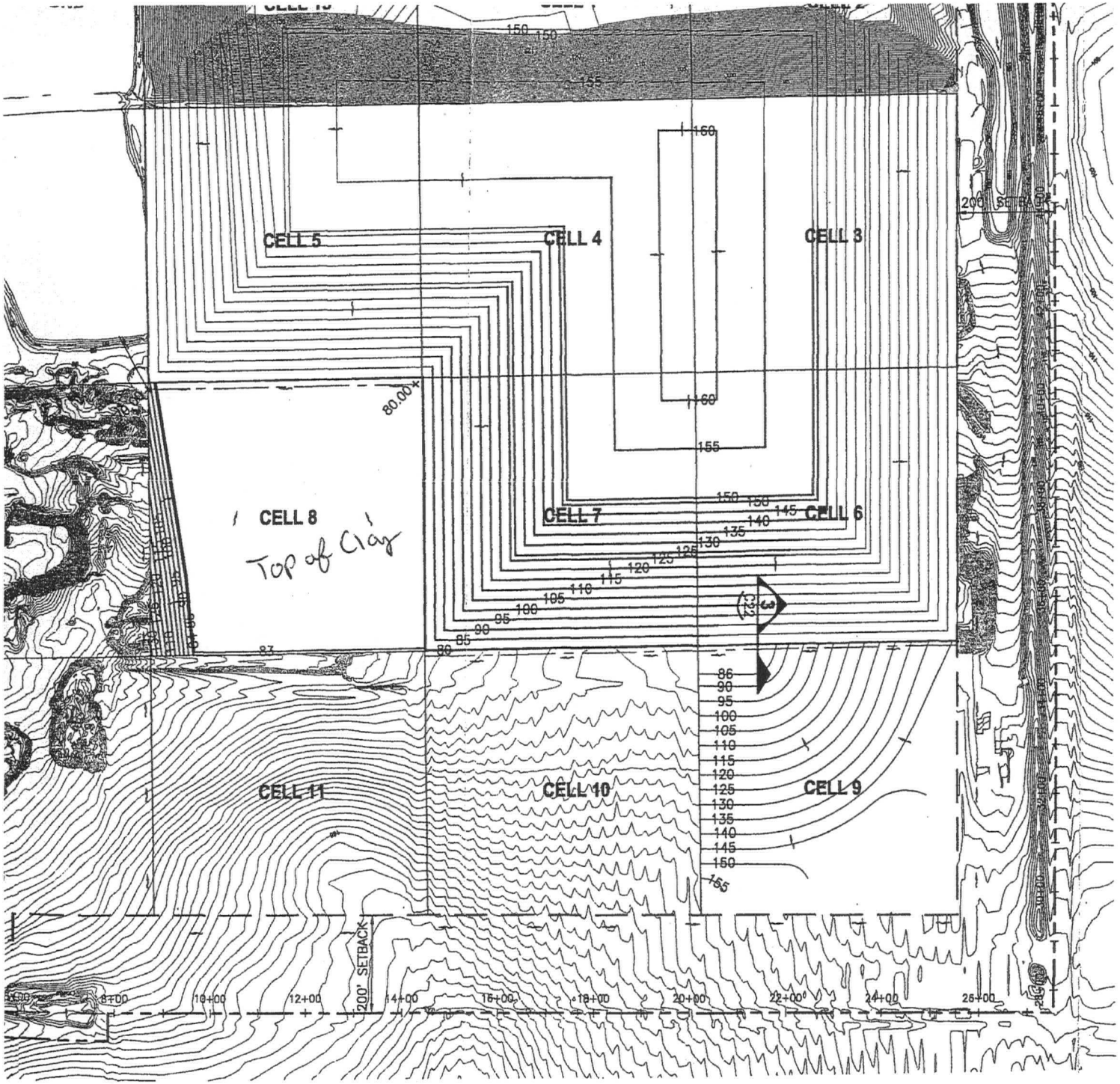
↑N 1" = 300'

OMUNDS

Source: October 2009 Modification



1"= 300' Source: OCT 2009 MOD JEA



SCALE IN FEET
1"=150'

LEGEND

- PROPERTY BOUNDARY
- LANDFILL LIMITS
- CELL BOUNDARY
- FLOW ARROW
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NOTES:
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2. THE CONTOURS IN CELL 9 REPRESENT THE MINING EXCAVATION GRADES.

Source: Nov 2006 JEA

JONES EDMUNDS
0 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

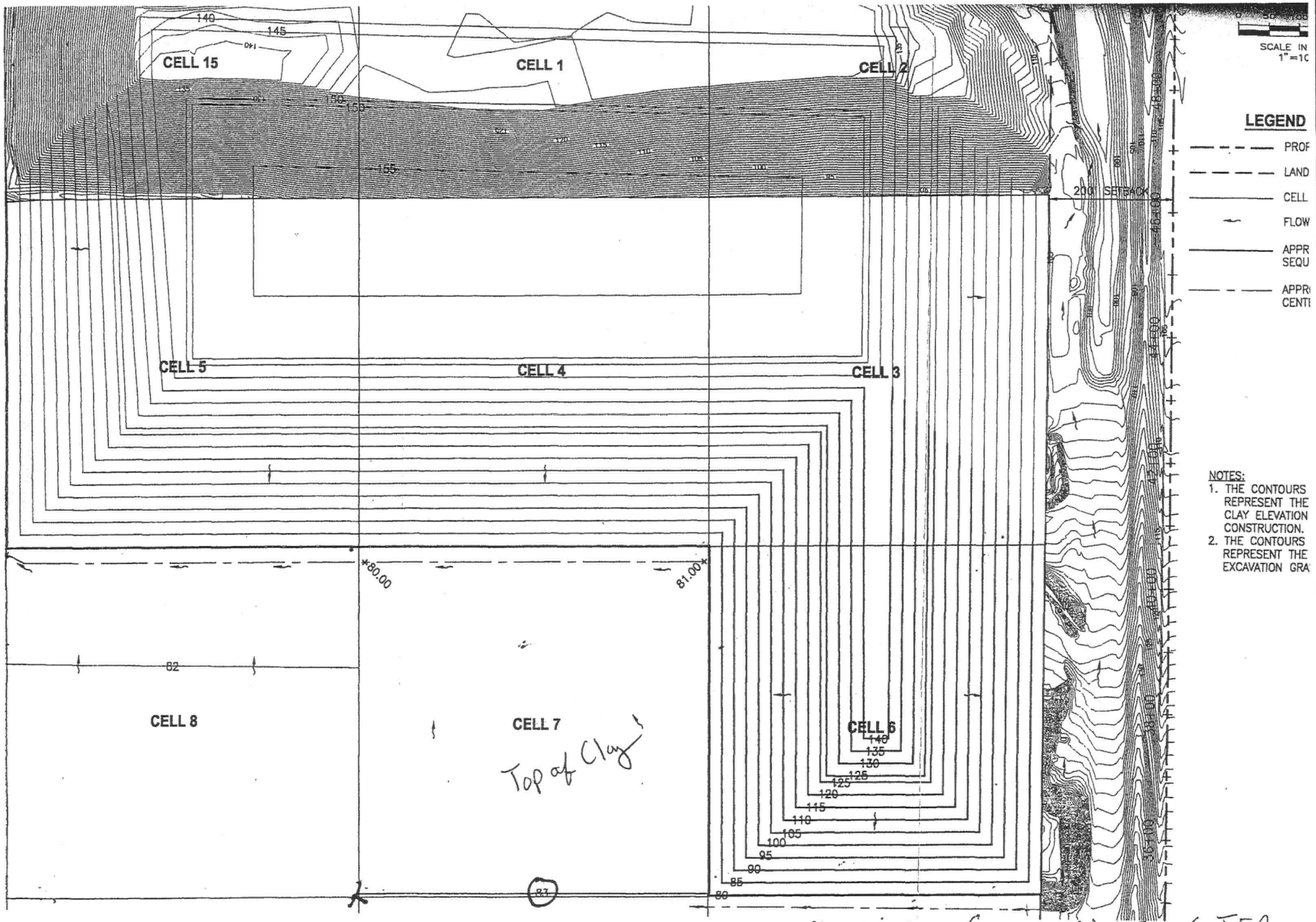
ANGELO'S AGGREGATE MATERIALS, LTD.
ENTERPRISE RECYCLE AND DISPOSAL FACILITY

1"=300'
FILLING SEQUENCE 6

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
MARK ROBERTS, P.E.
P.E. # 54187

DATE
NOV 2006

SCALE
1"=150'



JONES EDMUNDS
1E WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

ANGELO'S AGGREGATE MATERIALS, LTD.
ENTERPRISE RECYCLE AND DISPOSAL FACILITY

FILLING SEQUENCE 5

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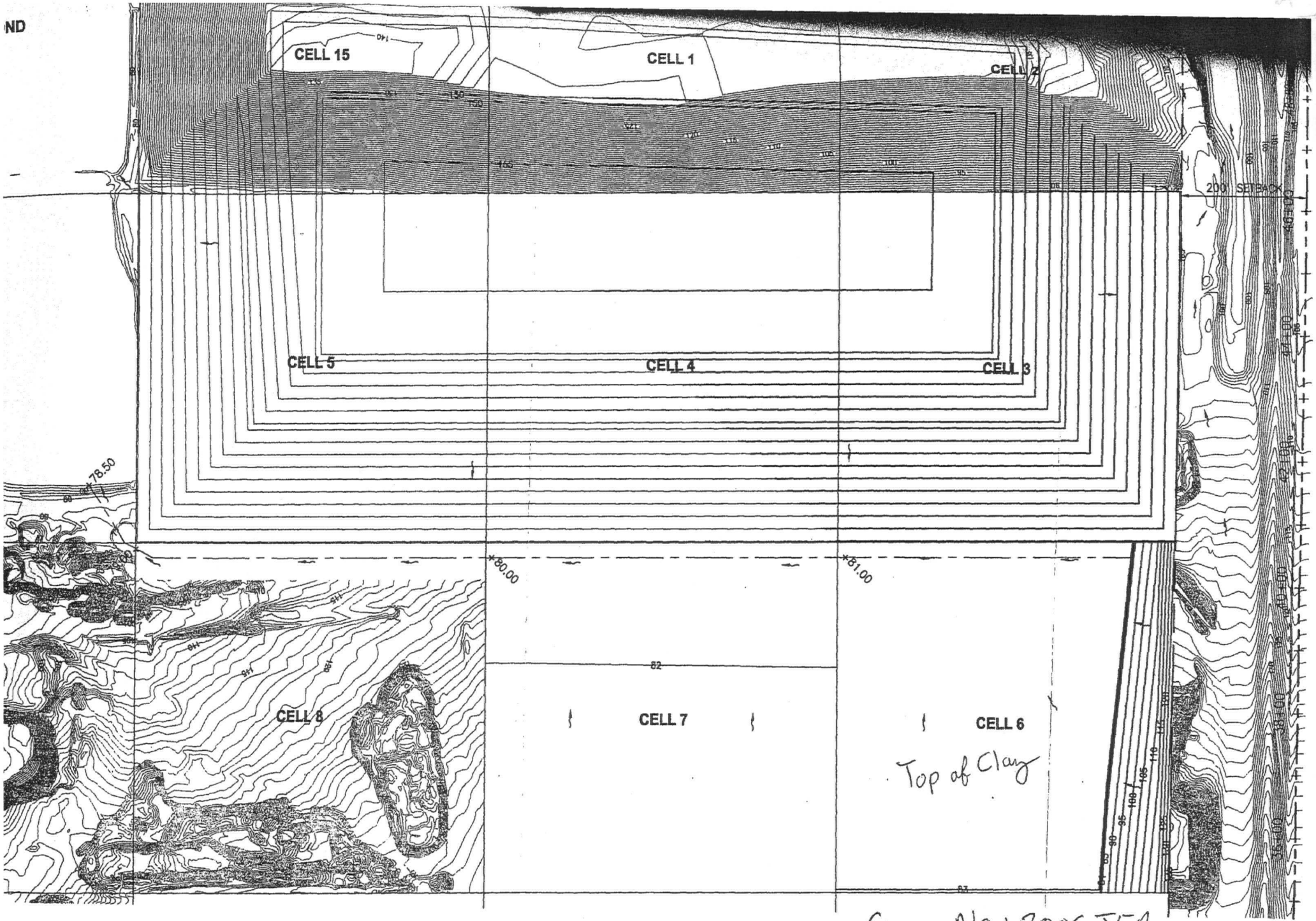
DATE
NOV 2006

SCALE
1" = 100'



Source NOV 2006 JEA

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

ANGELO'S AGGREGATE MATERIALS, LTD.
ENTERPRISE RECYCLE AND DISPOSAL FACILITY

1" = 200'
FILLING SEQUENCE 4

CERTIFICATE OF AUTHORIZATION
APPROVED BY
MARK ROBERTS, P.E.
P.E. # 54187

LETTER OF TRANSMITTAL

JONES EDMUNDS

TO:		DATE	November 19, 2009
		JOB. NO.	01030
	Steven Morgan Environmental Engineer FDEP – Southwest District 13051 N. Telecom Parkway Temple Terrace, FL 33637-0926 (813) 632-7600	RE:	Angelo's Recycled Materials Class III Landfill and Recycling Facility **FDEP Permit No's.: 22913-001-SC/01 and 32913-002-SO/01**

WE ARE SENDING YOU VIA:

- ☐ U.S. Mail
- ☐ FedEx
- ☐ Hand Delivery
- ☐ UPS Next Day
- ☒ UPS Ground
- ☐ Courier

Dept. Of Environmental Protection
NOV 23 2009
Southwest District

# Copies	Date	Description
4	October 21, 2009	Replacement Page for Cover Letter
4	October 2009	Replacement Page for Binder Cover
4	October 2009	Replacement for Binder Spine
4		Replacement Drawing of Figure 15A

THESE ARE TRANSMITTED AS CHECKED BELOW:

- ☐ For Approval
- ☒ For Your Use
- ☐ As Requested
- ☐ For Signature
- ☐ For Your Information
- ☐ For Review
- ☐ For Your File
- ☐ Other:

REMARKS:

Copies to: John Arnold, Angelo's

Signed *L. Holler*

Lesley Holler – Administrative Assistant for
Dennis Davis/Brent Schneider

If enclosures are not as noted, kindly notify us at once.

730 NE Waldo Road, Gainesville, Florida 32641 - 352-377-5821 / FAX 352-377-3166
324 S. Hyde Park Avenue, Suite 250, Tampa, Florida 33606 - 813-258-0703 / FAX 813-254-6860
1100 Cesery Boulevard, Jacksonville, Florida 32211 - 904-744-5401 / FAX 904-744-6267
3910 S. Washington Avenue, Suite 210, Titusville, Florida 32796 - 321-269-2950 / FAX 321-269-2951

JONES EDMUNDS

October 21, 2009

Steven G. Morgan
Environmental Engineer
Florida Department of Environmental Protection
Solid Waste Section
Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Re: Angelo's Recycled Materials Class III Landfill and Recycling Facility
Permit Application Modification #177982-016-SO/MM to Existing
Operation Permit #177982-007-SO-T3 and #177982-017-SC/MM to Existing
Construction Permit #177982-008-SC/T3
Response to FDEP Request for Additional Information
Jones Edmunds Project No. 95380-436-09

Dear Mr. Morgan:

This letter has been prepared in response to the request for additional information (RAI) prepared by the Florida Department of Environmental Protection (Southwest District Office), dated September 4, 2009. Each of the Department's comments is presented below in *italics*, followed by the response in **bold** type.

The following information is needed in support of the solid waste application [Chapter 62-701, Florida Administrative Code (F.A.C.)]:

Comment 1: *Rule 62-701.320(5), F.A.C. Appendix A -Revised Operations Permit Application Form:*

a. *Part T.1.: A review of corporate information for the State of Florida indicates that Mr. Arnold is not listed as a general partner or registered agent of Angelo's Aggregate Materials, Ltd. Please provide a letter of authorization for Mr. Arnold to act on the behalf of Angelo's Aggregate Materials, Ltd. from a corporate officer or authorized agent of Angelo's Aggregate Materials, Ltd. or submit a revised application form page 40 of 40 signed by a corporate officer or registered agent of Angelo's Aggregate Materials, Ltd.*

730 NE Waldo Rd
Gainesville, FL 32641

352.377.5821 Phone
352.377.3166 Fax
www.jonesedmunds.com

Response 1.a: The requested letter of authorization for John Arnold to act on behalf of Angelo's Aggregate Materials, Ltd. from a corporate officer or authorized agent of Angelo's Aggregate Materials, Ltd. is provided as Attachment 1 to this letter.

Comment 2: Rule 62-701.320(4), F.A.C. The proposed operation fill sequence appears to also include a change in cell construction sequence for the facility. This will require a modification of Construction Permit No. 177982-008-SC/T3. Please provide a minor permit modification application to modify Construction Permit No. 177982-008-SC/T3, along with a $250.00 application fee, and applicable information related to the change in construction sequence, if any, that was not included in the information provided with this operation permit modification application.

Response 2: Please note that the application form submitted with the proposed application was for Construction/Operation; therefore, a separate application form is not required. However, the $250 application fee (check #019694) to modify Construction Permit No. 177982-008-SC/T3 is included with this letter. Please note that the information provided with the operation permit modification application sufficiently addressed the change in construction sequence and therefore no additional information is being submitted with the construction permit modification application.

Comment 3: Rule 62-701.510, F.A.C. Enterprise Class III Landfill Permit Renewal, Pasco County Hydrological Investigation and Groundwater Monitoring Plan, prepared by Jones Edmunds, dated November 2006: It appears that the sequence of monitoring well installation and the phased incorporation of monitor wells into the groundwater monitoring plan (GWMP) for the facility will need to be revised based on the revised sequence of cell construction and operation. Please revise the narrative in Section 5.3.1 of the above report and any applicable figures in the above report to be consistent with the revised sequence of construction and operation, accordingly, to depict the revised cell and sequence numbers. Please contact John Morris at (813) 632-7600 ext 3336 to discuss your proposed changes to the GWMP, prior to response to this comment.

Response 3: The sequence of monitoring well installation and the phased incorporation of monitoring wells into the GWMP for the facility have been revised based on the revised sequence of cell construction and operation. Figure 15A and the phasing schedule listed on page 5-18 of the November 2006 GWMP have been revised as requested and are included as Attachment 3. Mr. John Morris was contacted on October 2, 2009 to discuss the proposed changes to the GWMP.

Comment 4: Rule 62-701.510, F.A.C. Figure-01 "Proposed Site Monitoring Network September 2007", prepared by HDR Engineering, received September 27, 2007: Please revise this figure (in a black-and-white format, no larger than 11x17 inches for use as a permit attachment) to show the revised cell configurations and numbering, locations/identification numbers of existing and proposed monitor wells/piezometers, and revised locations/identification numbers of gas monitoring probes at the facility.

Response 4: The referenced HDR figure has been replaced with the Jones Edmunds Figure 15A, Well Location Map (See Response 3). The figure shows the revised cell configurations and numbering, locations/identification numbers of existing and proposed monitoring wells/piezometers, and revised locations/identification numbers of gas monitoring probes at the facility. Please see the revised figure submitted as Attachment 3.

Comment 5: Rule 62-701.530, F.A.C.

a. Please revise Section 3.10 of the Engineering Report, where applicable, to include the proposed additional gas monitoring probe in the facility's gas monitoring plan and on applicable figures (e.g. Figures 3-13 and 3-15).

Response 5.a: Figures 3-13 and 3-15 have been revised to include the recently installed gas monitoring probes GP-12R and GP-13R. Since these figures were originally generated by HAI, Jones Edmunds re-created these figures and made the appropriate updates. Please see the revised figures contained in Attachment 5.a.1. Please also note that the gas probes have been included in the new Figure 15A (Attachment 3).

Please note that additional edits to the Gas Contingency Plan sections of the Engineering Report and Operations Plan have been made to reflect recent gas system changes. These modifications are being included in the pending sequencing modification as Attachment 5.a.2.

b. Please revise the narrative in Section 10.1.2 of the Operation Plan to be consistent with the proposed revised language in Section 3.10.1.4 of the Engineering Report.

Response 5.b: The narrative in Section 10.1.2 of the Operation Plan has been revised to be consistent with the proposed revised language in Section 3.10.1.4 of the Engineering Report. Please see Attachment 5.a.2.

Comment 6: Rule 62-701.630, F.A.C. The currently approved financial assurance cost estimates provided for this facility appear to only include closure and long-term care costs for Cell 1-5 and Cell 15. Please provide closure and long-term care estimates for Cells 6 and 7.

Response 6: The currently approved financial assurance cost estimates have been revised to include Cells 6 and 7. Please find the revised cost estimate forms and backup documentation in Attachment 6.

Comment 7: Rule 62-701.320(7) (f), F.A.C. Appendix B Revised Drawings (full & reduced size set): The following comments regarding the plan set provided are related to Fill Sequence 8 (i.e. the construction and operation of Cells 10 and 11) which is not authorized under the current construction and operation permits. For consistency with the Operation Plan narrative, Comment 7.a. should be addressed in response to this letter. However, since the construction and operation of Cells 10 through 11 will be evaluated as part of future permit applications that include construction and operation of Cells 10 and 11, a response to Comment 7.b. as part of this application, is at the discretion of the applicant.

a. *Sheet C-5: The revised sequence of fill narrative in Section 3.8 of the Operation Plan indicates that Cells 6 and 7 will also be filled during Fill Sequence 8. Please verify and revise the Excavation, Construction and Filling Sequence table on this sheet, as appropriate.*

Response 7.a: The Excavation, Construction and Filling Sequence table on Sheet C-5 has been revised to match the sequence of fill narrative in Section 3.8 of the Operation Plan. Please see the revised drawing included in Attachment 7.

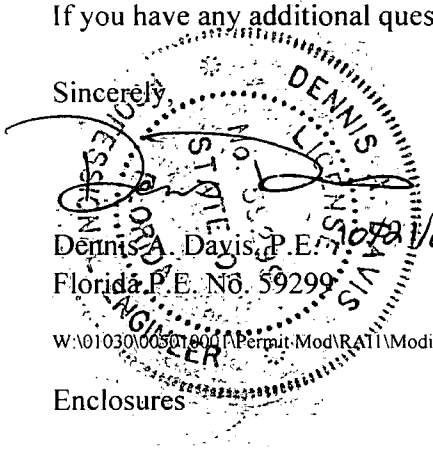
b. *Sheet C-13: The Excavation. Construction and Filling Sequence table on Sheet C-5 indicates that Cell 10 and 11 will be constructed during Fill Sequence 8. However the base grade for Cells 10 and 11 does not appear to be provided on this sheet or another sheet in the construction plan set. Please verify and provide a plan sheet that shows the constructed base grade for Cells 10 and 11.*

Response 7.b: Please note that although the individual base grades for Cells 10 and 11 are not depicted on the revised sequencing drawings, the overall bottom grade (including all cells) was previously depicted on Drawing C-4 of the *Enterprise Class III Landfill Permit Renewal, Pasco County Response to DEP Third Request for Additional Information*, prepared by Jones Edmunds in November 2006. These base grades remain unchanged. If additional information is required

as part of future permit applications that include construction and operation of Cells 10 and 11, it will be provided at that time.

If you have any additional questions, please feel free to contact me at (352) 377-5821.

Sincerely,



10/21/09

Dennis A. Davis, P.E.
Florida P.E. No. 59299

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Enclosures

ATTACHMENT 1

LETTER OF AUTHORIZATION

ANGELO'S RECYCLED MATERIALS

PO Box 1493
Largo, FL 33779

APOPKA	407.290.8010	407.290.8115 (FAX)	TAMPA	813.903.0588	813.632.9157 (FAX)
DADE CITY	352.567.7676	352.567.9448 (FAX)	LARGO	727.581.1544	727.586.5676 (FAX)

September 8, 2009

Mr. John Arnold, P.E.
Angelo's Recycled Materials
41111 Enterprise Road
Dade City, FL 33525

Mr. Arnold:

This letters serves as written notice that you have the authority to act on behalf of Angelo's Aggregate Materials, LTD and Angelo's Recycled Materials on matters before the Florida Department of Environmental Protection and all other regulatory agencies.

Sincerely,

Dominic Iafrate
Vice President

ATTACHMENT 3

REVISED FIGURE 15A AND PHASING SCHEDULE

- The surficial aquifer is seasonally dry in the southeastern corner of the landfill, in the vicinity of MW-8, MW-9, and MW-10. Floridan wells have been installed in these locations.

- The surficial aquifer is likely to be seasonally dry in the location of MW-11. A Floridan well (MW-11B) is needed adjacent to MW-11.

- The surficial aquifer is likely to be seasonally dry in the location of MW-14. As fill progression nears cell 8, an additional well (MW-14B) will be needed in the Floridan aquifer.

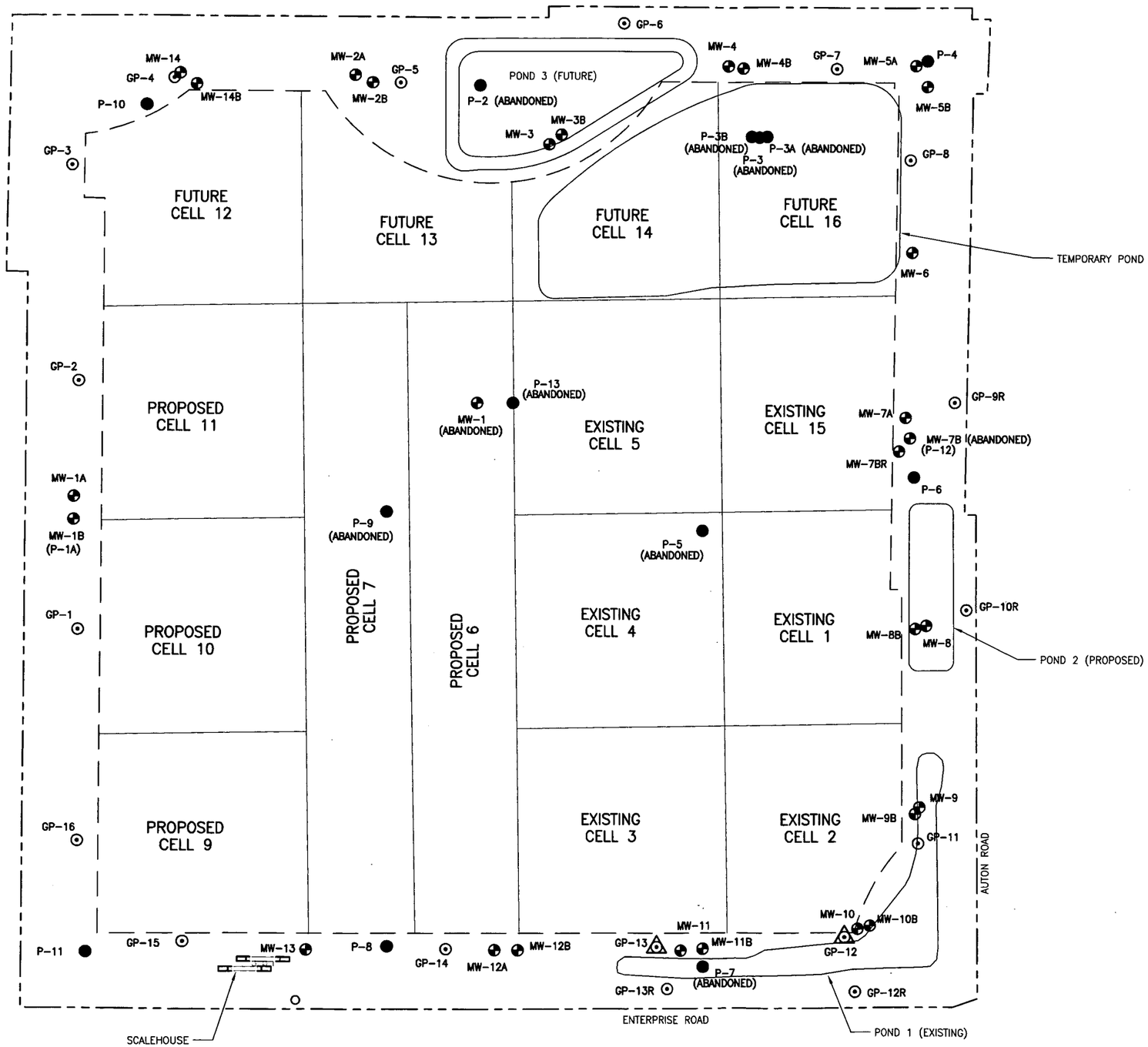
It is proposed that these Floridan wells will be sampled contingent to the conditions of the adjacent surficial wells: if the surficial well is dry during any given sampling event, then the Floridan well at that location will be sampled instead.

The approved detection well phasing schedule follows:

1.	Initial: background wells	MW-1, MW-1B
2.	Cells 1 and 2 detection wells	MW 5-A, MW 5-B, MW-6, MW-7A, MW-7BR, MW-8, MW-8B, MW-9, MW-9B, MW-10, MW-10B
3.	Prior to Landfilling in Cell 3:	MW-11, MW-11B, MW-12A, MW-12B
4.	Prior to Landfilling in Cell 5:	MW-3, MW-3B, MW-4B, MW-4
5.	Prior to Landfilling in Cell ~~8~~6:	MW-14, MW-14B, MW–1A
6.	Prior to Landfilling in Cell 9:	MW-13
7.	Prior to Landfilling in Cell 11:	MW-2A, MW-2B

Background monitor well MW-1 is proposed to be abandoned prior to landfilling Cell ~~8~~6. MW-1A would replace MW-1 upgradient during wet periods as the landfill moves to the west. Well MW-14 would be used to replace MW-1, if needed during dry periods. Surficial monitor well MW-13 also would be installed as the landfill moves west and the aquifer enters a wet season.

Although our geotechnical investigation revealed a 15 to 30 ft thick clay confining layer that consistently separates the base of the landfill and surficial aquifer from the upper Floridan



GRAPHIC SCALE
0 75 150 300
SCALE IN FEET
1" = 150'

Dept. Of Environmental Protection
NOV 23 2009
Southwest District

LEGEND

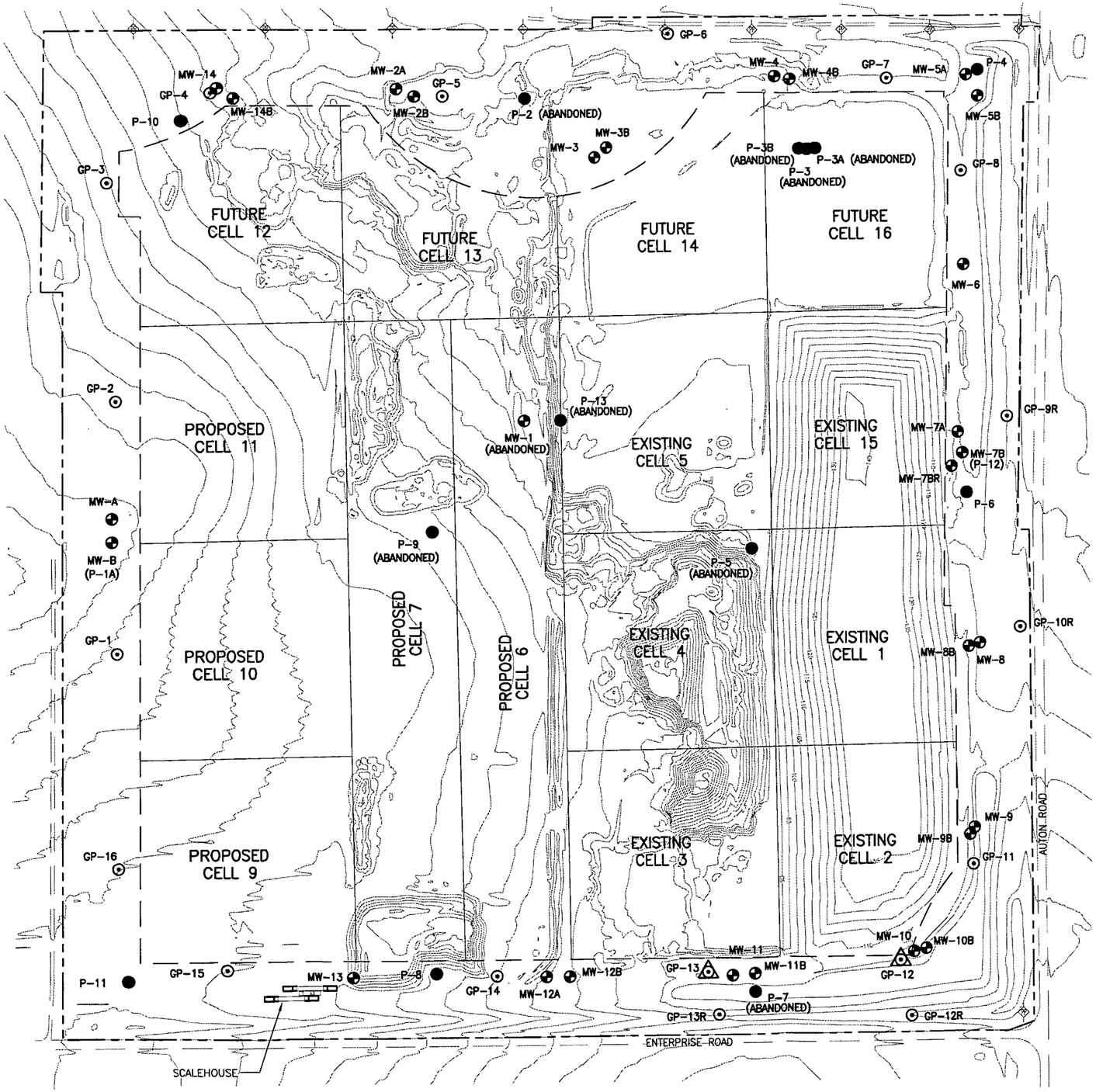
- PROPERTY BOUNDARY
- LANDFILL LIMITS
- CELL BOUNDARY
- MW-1 MONITOR WELL LOCATION
- P-9 PIEZOMETER LOCATION
- GP-1 GAS PROBE LOCATION
- SUPPLY WELL
- PROPOSED FOR ABANDONMENT

FIGURE 15A
WELL LOCATION MAP
ENTERPRISE RECYCLING
AND DISPOSAL FACILITY
PASCO COUNTY, FLORIDA

JONES EDMUNDS

ATTACHMENT 5.a.1

REVISED FIGURES 3-13 AND 3-15



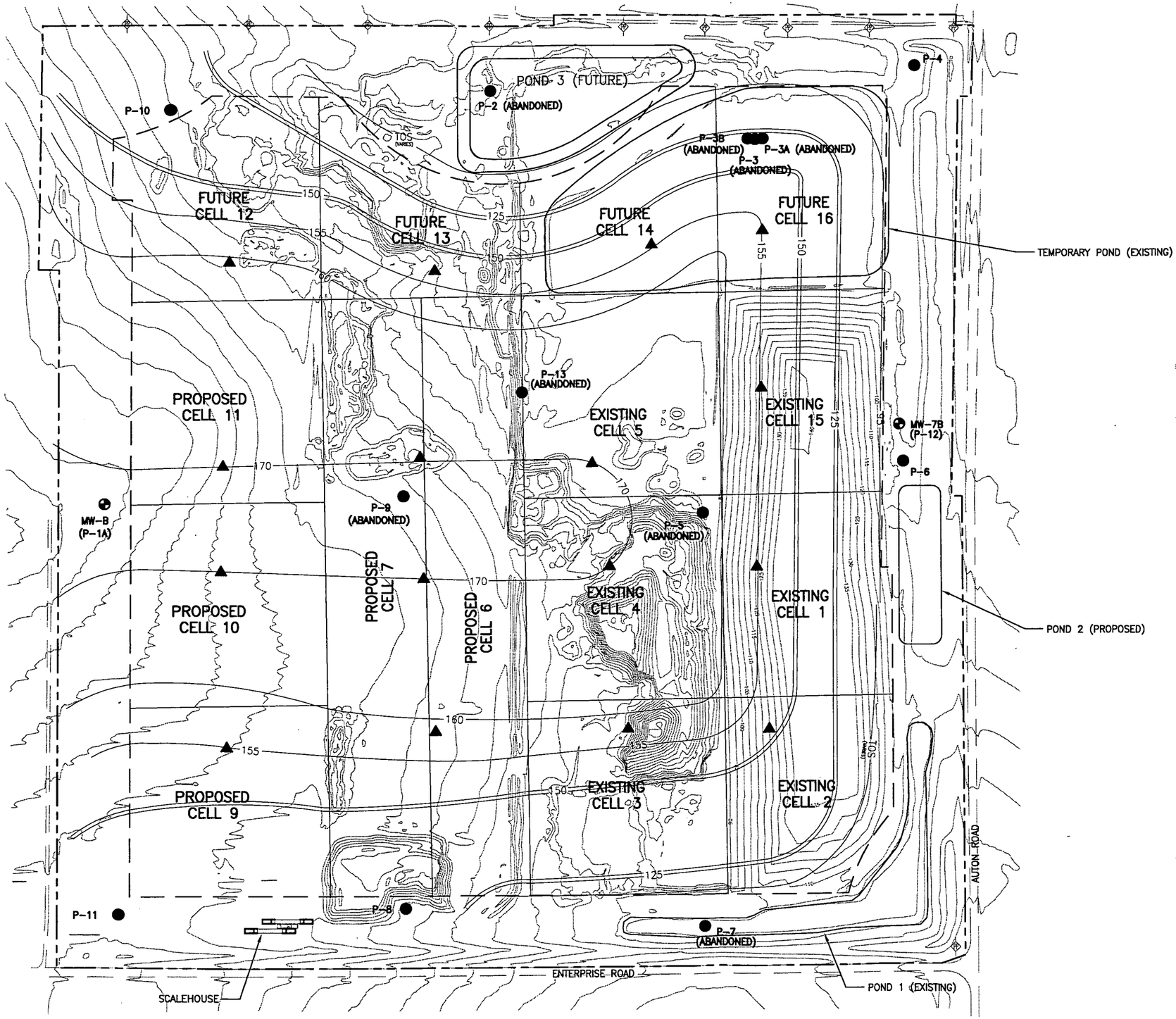
GRAPHIC SCALE
0 75 150 300
SCALE IN FEET
1"=150'

LEGEND

- PROPERTY BOUNDARY
- LANDFILL LIMITS
- CELL BOUNDARY
- P-9 ● EXISTING PIEZOMETER LOCATION
- GP-1 ⊙ GAS MONITORING PROBE
- △ PROPOSED FOR ABANDONMENT

FIGURE 3-13
GAS MONITORING PROBE LOCATION MAP
ENTERPRISE RECYCLING
AND DISPOSAL FACILITY
PASCO COUNTY, FLORIDA

JONES EDMUNDS



N

GRAPHIC SCALE
0 75 150 300
SCALE IN FEET
1"=150'

LEGEND
- PROPERTY BOUNDARY
- LANDFILL LIMITS
- CELL BOUNDARY
- P-11 ● EXISTING PIEZOMETER LOCATION
- ▲ PROPOSED GAS VENT LOCATION

FIGURE 3-15
GAS VENT LOCATION MAP
ENTERPRISE RECYCLING
AND DISPOSAL FACILITY
PASCO COUNTY, FLORIDA

JONES EDMUNDS

ATTACHMENT 5.a.2

REVISED GAS CONTINGENCY PLAN PAGES FROM ENGINEERING REPORT AND OPERATIONS PLAN

weeks of each monitoring event. These events are planned to be coordinated with the semi-annual groundwater monitoring at the subject site.

3.10.1.4 Gas Contingency Plan

The following Contingency Plan will be implemented if any of the measured gas monitoring points methane levels are detected above the 100% LEL of greater than 5 percent methane in air, or if 25% of the LEL or higher is measured in a structure. If this level of methane or greater is detected in any of the probes, the Enterprise RDF operator will institute measurement of methane in nearby, at, or below grade structures, i.e., stormwater collection points, or any maintenance or office buildings ~~nearby~~ within 100 feet of the subject gas probe on a weekly basis until these levels go below the 100% LEL at the subject probe. If methane levels measured in any on-site building exceed 25% of the LEL, building windows and/or doors will be opened for ventilation and all personnel evacuated until methane readings are maintained below 25% of the LEL for methane. The monitoring report for any event that detects methane above the LEL will also report methane levels from ~~any~~ nearby structures, as indicated above, ~~and may include monthly monitoring measurements at the high methane gas probe points~~ until the levels go below the methane LEL level or until corrective actions are conducted to reduce methane levels. The FDEP will be notified within seven days of any gas monitoring levels that exceed the reporting action levels.

3.10.1.5 Passive Gas Vents

Within 90 days of closure of each landfill cell, a passive landfill gas vent will be installed at the highest point of the cell to prevent explosions, fires and damages to vegetation from methane gas buildup. Figure 3-15 shows the location of the 16 gas vents and Figure 3-16 presents the design of a typical vent. The facility's gas emissions are expected to be far below the threshold of a Title V or an NSPS permit.

3.10.2 Leachate Control

Liquid disposal is not permitted at the Class III Landfill site. However, to control any leachate production that may occur and result in infiltration or increased head on the clay layer, a leachate control system has been implemented. This system for the Enterprise RDF Class III landfill is based on the continuous 3-foot thick clay layer (10^{-8} cm/s) that will be placed on the bottom and the cell slopes of the landfill. The clay layer beneath each individual cell will form a continuous

10.1.2 Gas Contingency Plan

The following Contingency Plan will be implemented if any of the measured gas monitoring points methane levels are detected above the 100% LEL of greater than 5 percent methane in air, or if 25% of the LEL or higher is measured in a structure. If this level of methane or greater is detected in any of the probes, the Enterprise RDF landfill operator will institute measurement of methane in nearby, at, or below structures, i.e., stormwater collection points, or any maintenance or office buildings ~~nearby~~ within 100 feet of the subject gas probe, on a weekly basis, until these levels go below the 100% LEL at the subject probe. If methane levels measured in any on-site building exceed 25% of the LEL, building windows and/or doors will be opened for ventilation and all personnel evacuated until methane readings are maintained below 25% of the LEL for methane. The monitoring report for any event that detects methane above the LEL will also report methane levels from ~~any~~ nearby structures, as indicated above, ~~and may include monthly monitoring measurements at the high methane gas probe points~~ until the levels go below the methane LEL level or until corrective actions are conducted to reduce methane levels. The FDEP will be notified within seven days of any gas monitoring levels that exceed the reporting action levels.

10.2 Leachate Control

Liquid disposal is not permitted at the Class III Landfill site. However, to control any leachate production that may occur and result in infiltration or increased head on the clay layer, a leachate control system has been implemented. This system for the Enterprise RDF Class III landfill is based on the continuous 3-foot thick clay layer (10^{-8} cm/s) that will be placed on the bottom and the cell slopes of the landfill. The clay layer beneath each individual cell will form a continuous barrier layer that will be graded to direct leachate to the temporary stormwater pond. The controlled method of screening waste also supplements the leachate control. Because Angelo's Recycled Materials privately owns the Enterprise Class III Landfill facility, most of the haulers, waste generators, and sources of waste are known to Angelo's and the scale house attendents. For those haulers that are unfamiliar to Angelo's, the scale house attendants question the haulers more intensely to determine the contents of their loads. The spotters and operators add additional monitoring at the active disposal location. The addition of video surveillance to the monitoring process of incoming wastes helps to identify fires or smoking loads. Combined methods of screening waste is an effective method to reduce any possible threat to public health or the environment.

ATTACHMENT 6

REVISED COST ESTIMATE FORMS AND BACKUP DOCUMENTATION

DEP Form # 62-701.900(28)
Form Title Financial Assurance Cost Estimate Form
Effective Date 05-27-01

DEP Application No. _____
(Filled by DEP)

Florida Department of Environmental Protection
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, FL 32399-2400

FINANCIAL ASSURANCE COST ESTIMATE FORM

Date: 10/26/09 Date of DEP Approval: _____

I. GENERAL INFORMATION:

Facility Name: Enterprise CL III Landfill & Recyl. Fac. WACS or GMSID #: SWD-53-87895

Permit / Application No.: 177982-001-SC, 177982-002-SO Expiration Date: 5/31/2012

Facility Address: 41111 ENTERPRISE RD, DADE CITY, FL 33525

Permittee: ANGELO'S AGGREGATE MATERIALS, LLC d/b/a Angelo's Recycled Materials

Mailing Address: P.O. BOX 1493 LARGO, FL 33779

Latitude: 29 19 53 Longitude: 82 08 16 or UTM: _____

Solid Waste Disposal Units Included in Estimate:

Phase / Cell	Acres	Date Unit Began Accepting Waste	Design Life of Unit From Date of Initial Receipt of Waste
1	6.08	2004	1.38
2	5.57	2005	1.38
15	6.23	2005	1.33
5	7.34	2006	1.29
4	7.04	2007	1.29
3	7.34	2007	1.38
6	10.52	2010 est.	2.17
7	10.52	2010 est.	2.17

Total Landfill Acreage included in this estimate. 60.64 Closure 60.64 Long-Term Care

Type of landfill: _____ Class I ✓ Class III _____ C&D Debris

II. TYPE OF FINANCIAL ASSURANCE DOCUMENT (Check Type)

✓ Letter of Credit*

_____ Surety Bond*

_____ Trust Fund Agreement

_____ Insurance Certificate

_____ Escrow Account

_____ Financial Test

*Indicates mechanisms that require use of a Standby Trust Fund Agreement

Northwest District
160 Governmental Center
Pensacola, FL 32501-5794
850-595-8360

Northeast District
7825 Baymeadows Way, Ste. B200
Jacksonville, FL 32256-7590
904-448-4300

Central District
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
407-894-7555

Southwest District
3804 Coconut Palm Dr.
Tampa, FL 33619
813-744-6100

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33901-3881
941-332-6975

Southeast District
400 North Congress Ave.
West Palm Beach, FL 33401
561-681-6600

III. ESTIMATE ADJUSTMENT

40 CFR Part 264 Subpart H as adopted by reference in Rule 62-701.630, Florida Administrative Code sets forth the method of annual cost estimate adjustment. Cost estimates may be adjusted by using an inflation factor or by recalculating the maximum costs of closure in current dollars. Select one of the methods of cost estimate adjustment below.

☐ **(a) Inflation Factor Adjustment**

Inflation adjustment using an inflation factor may only be made when a Department approved closure cost estimate exists and no changes have occurred in the facility operation which would necessitate modification to the closure plan. The inflation factor is derived from the most recent Implicit Price Deflator for Gross National Product published by the U.S. Department of Commerce in its survey of Current Business. The inflation factor is the result of dividing the latest published annual Deflator by the Deflator for the previous year. The inflation factor may also be obtained from the Solid Waste Financial Coordinator at (850)-245-8732.

This adjustment is based on the Department approved closure cost estimate dated: _____

Latest Department Approved Closure Cost Estimate:		Current Year Inflation Factor		Inflation Adjusted Closure Cost Estimate:
_____	X	_____	=	$0.00

This adjustment is based on the Department approved long-term care cost estimate dated: _____

Latest Department Approved Annual Long-Term Care Cost Estimate:		Current Year Inflation Factor		Inflation Adjusted Annual Long-Term Care Cost Estimate:
_____	X	_____	=	$0.00

Number of Years of Long Term Care Remaining: X _____

Inflation Adjusted Long-Term Care Cost Estimate: = 0.00

☑ **(b) Recalculate Estimates** (see section V)

IV. CERTIFICATION BY ENGINEER

This is to certify that the Financial Assurance Cost Estimates pertaining to the engineering features of the this solid waste management facility have been examined by me and found to conform to engineering principals applicable to such facilities. In my professional judgement, the Cost Estimates are a true, correct and complete representation of the financial liabilities for closing and long-term care of the facility and comply with the requirements of Florida Administrative Code (F.A.C.), Rule 62-701.630 and all other Department of Environmental Protection rules, and statutes of the State of Florida. It is understood that the Financial Assurance Cost Estimates shall be submitted to the Department **annually**, revised or adjusted as required by Rule 62-701.630(4), F.A.C.*

10/15/09
Signature of Engineer

Dennis A. Davis, P.E. Dept.Manager
Name & Title (please type)

FL P.E. No. 59290
Florida Registration Number (affix seal) &Date

730 NE Waldo Rd, Gainesville FL 32641
Mailing Address

(352) 377-5821
Telephone Number

Signature of Owner/Operator

John Arnold, Project Manager
Name & Title (please type)

(813) 477-1719
Telephone Number

V. RECALCULATE ESTIMATED CLOSING COST (Increasing Quantities from 25.22 ac to 39.60 ac)

For the time period in the landfill operation when the extent and manner of its operation makes closing **most expensive**.

**** Third Party Estimate / Quote must be provided for each item**

**** Costs must be for a third party providing all material and labor**

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
1. Proposed Monitoring Wells	(Do not include wells already in existence.)			
	EA			$0.00
2. Slope and Fill (bedding layer between waste and barrier layer):				
Excavation	CY			$0.00
Placement and Spreading (Grading & Sloping Waste)	CY	293,498	$0.75	$220,123.50
Compaction	CY			$0.00
Off-Site Material	CY			$0.00
Delivery	CY			$0.00
		Subtotal Slope and Fill:		**$220,123.50**
3. Cover Material (Barrier Layer): (18" Clay on 60.64 ac plus allowance for compaction)				
Off-Site Clay	CY	190,773	$5.00	$953,865.00
Synthetics - 40 mil	SY			$0.00
Synthetics - GCL	SY			$0.00
Synthetics - Geonet	SY			$0.00
Synthetics - Other	SY			$0.00
		Subtotal Barrier Layer Cover:		**$953,865.00**
4. Top Soil Cover: (18" protective soil cover on 60.64 ac plus allowance for compaction)				
Off-Site Material	CY	190,773	$7.50	$1,430,797.50
Delivery	CY			$0.00
Spread	CY			$0.00
		Subtotal Top Soil Cover:		**$1,430,797.50**

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
5. Vegetative Layer (Applied to 60.64 ac plus 4 ac of sod as necessary				
Sodding	SY	19,360	$1.44	$27,878.40
Hydroseeding	AC	61	$2,245.55	$136,170.15
Fertilizer	AC			$0.00
Mulch	AC			$0.00
Other	SY	4	$4,620.00	$18,480.00
			Subtotal Vegetative Layer:	**$182,528.55**
6. Stormwater Control System:				
Earthwork	CY	7,950	$8.50	$67,575.00
Grading	SY			$0.00
Piping	LF	90	$26.50	$2,385.00
Ditches	LF	1,950	$5.30	$10,335.00
Berms	LF			$0.00
Control Structures	EA			$0.00
Other	LS			$0.00
			Subtotal Stormwater Controls:	**$80,295.00**
7. Gas Controls: Passive				
Wells	EA	9	$800.00	$7,200.00
Pipe and Fittings	LF			$0.00
Monitoring Probes	EA			$0.00
NSPS/Title V requirements	LS			$0.00
			Subtotal Passive Gas Control:	**$7,200.00**

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
8. Gas Control: Active Extraction				
Traps	EA			$0.00
Sump	EA			$0.00
Flare Assembly	EA			$0.00
Flame Arrestor	EA			$0.00
Mist Eliminator	EA			$0.00
Flow Meter	EA			$0.00
Blowers	EA			$0.00
Collection System	LF			$0.00
Other (describe)				$0.00
			Subtotal Active Gas Extraction:	**$0.00**
9. Security System:				
Fencing	LF			$0.00
Gate(s)	EA			$0.00
Sign(s)	EA			$0.00
			Subtotal Security System:	**$0.00**
10. Engineering:				
Closure Plan report	LS			$11,475.00
Certified Engineer	LS			$30,600.00
NSPS/Title V Air Permit	LS			
Final Survey	LS			$4,402.00
Certification of Closure (Including Closure Permit)	LS			$27,540.00
Other (CQA Plan)				$3,825.00
			Subtotal Engineering:	**$77,842.00**

11. Professional Services

	Contract Management		Quality Assurance		
	Hours	LS	Hours	LS	Total
P.E. Supervisor	72	$5,760.00	72	$5,760.00	$11,520.00
On-Site Engineer			145	$8,075.00	$8,075.00
Office Engineer	96	$6,300.00	290	$18,900.00	$25,200.00
On-Site Technician			866	$28,300.00	$28,300.00
Other (explain)			8	$66.00	$66.00

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
Quality Assurance Testing	LS	1	$48,048.00	$48,048.00

Subtotal Professional Services: **$121,209.00**

Subtotal of 1-11 Above: **$3,073,860.55**

12. Contingency — % of Total (example. enter .1 for 10%): 10%

Closing Cost Subtotal: $3,381,246.61

13. Site Specific Costs (explain)

Mobilization	$1,800.00
Waste Tire Facility	
Materials Recovery Facility	
Special Wastes	
Leachate Management System Modification	
Other (Construction Rework & CQA Test Cont.)	$48,654.00

Subtotal Site Specific Costs: $50,454.00

TOTAL CLOSING COSTS **$3,431,700.61**

VI. ANNUAL COST FOR LONG-TERM CARE
(Increasing Quantities from 25.22 ac to 39.60 ac)

(Check Term Length)

_____ 5 Years _____ 20 Years ✓ 30 Years _____ Other

See 62-701.600(1)a.1., 62-701.620(1), 62-701.630(3)a. and 62-701.730(11)b. F.A.C. for required term length. For landfills certified closed and Department accepted, enter the remaining long-term care length as "Other" and provide years remaining.

**** Third Party Estimate / Quote must be provided for each item**
**** Costs must be for a third party providing all material and labor**

All items must be addressed. Attach a detailed explanation for all items marked not applicable (N/A)

Description	Sampling Frequency (events/yr.)	Number of Wells	$ / Well / Event	$ / Year
1. Groundwater Monitoring (62-701.510(6), and (8)(a))				
Monthly	12			$0.00
Quarterly	4			$0.00
Semi-Annual	2	14	$1,199.41	$33,583.48
Annual	1			$0.00
			Subtotal Groundwater Monitoring:	$33,583.48
2. Surface Water Monitoring (62-701.510(4), and (8)(b)				
Monthly	12			$0.00
Quarterly	4			$0.00
Semi-Annual	2			$0.00
Annual	1			$0.00
			Subtotal Surface Water Monitoring:	$0.00
3. Gas Monitoring				
Monthly	12			$0.00
Quarterly	4	10	$79.41	$3,176.40
Semi-Annual	2			$0.00
Annual	1			$0.00
			Subtotal Gas Monitoring:	$3,176.40

Description	Sampling Frequency (events/yr.)	Number of Locations	$/Location/Event	$ / Year
4. Leachate Monitoring (62-701.510(5), (6)(b) and 62-701.510(8)(c)				
Monthly	12			$0.00
Quarterly	4			$0.00
Semi-Annual	2			$0.00
Annual	1			$0.00
Other				$0.00
			Subtotal Leachate Monitoring:	$0.00

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
5. Leachate Collection/Treatment Systems Maintenance				
Maintenance				
Collection Pipes	LF			$0.00
Sumps, Traps	EA			$0.00
Lift Stations	EA			$0.00
Cleaning	LS			$0.00
Tanks	EA			$0.00
Impoundments				
Liner Repair	SY			$0.00
Sludge Removal	CY			$0.00
Aeration Systems	CY			$0.00
Floating Aerators	EA			$0.00
Spray Aerators	EA			$0.00
Disposal				
Off-site (Include Transportation and Disposal)	1000 gallon			$0.00
				$0.00

6. Leachate Collection/Treatment Systems Operation

Operation		Hours	$/Hour	Total
P.E. Supervisor	HR			$0.00
On-Site Engineer	HR			$0.00
Office Engineer	HR			$0.00
OnSite Technician	HR			$0.00
Materials	LS			

Subtotal Leachate Collection/Treatment System Maintenance & Operation: $0.00

7. Maintenance of Groundwater Monitoring Wells

Monitoring Wells	LF	5	**$100.00**	$500.00
Replacement	EA			$0.00
Abandonment	EA			$0.00

Subtotal Groundwater Monitoring Well Maintenance: $0.00

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST

8. Gas System Maintenance

Piping, Vents	LF	4	$200.00	$800.00
Probes	EA	1	$100.00	$100.00
Flaring Units	EA			$0.00
Meters, Valves	EA			$0.00
Compressors	EA			$0.00
Flame Arrestors	EA			$0.00
Operation	LS			

SubTotal Gas System: $900.00

9. Landscape (Based on $28.31/ac @ 4 times per year)

Mowing	AC	61	$113.24	$6,907.64
Fertilizer	AC	61	$45.00	$2,745.00

Subtotal Landscape Maintenance: $9,652.64

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
10. Erosion Control & Cover Maintenance (Apprx. 1.25 ac revegetation, 2.0 ac repair, & 0.8 ac erosion repair)				
Sodding	SY	9,579	$1.44	$13,793.76
Regrading	AC	4	$1,550.00	$6,200.00
Liner Repair	SY			$0.00
Clay	CY	6,228	$5.00	$31,140.00
		Subtottal Erosion Control and Cover Maintenance:		$51,133.76
11. Storm Water Management System Maintenance				
Conveyance Maintenance	LS			$4,000.00
		Subtotal Storm Water System Maintenance:		$4,000.00
12. Security System Maintenance				
Fences	LF	380	$7.00	$2,660.00
Gate(s)	EA	1	$600.00	$600.00
Sign(s)	EA	1	$200.00	$200.00
		Subtotal Security System:		$3,460.00
13. Utilities	LS			
14. Administrative		Hours	$/Hour	Total
P.E. Supervisor	HR	18	$106.00	$1,908.00
On-Site Engineer	HR	30	$69.00	$2,070.00
Office Engineer	HR	122	$69.00	$8,418.00
OnSite Technician	HR	92	$48.00	$4,416.00
Other (explain)				$0.00
		Subtotal Administrative:		$16,812.00
15. Contingency	% of Total			10%
	$122,718.28	Subtotal Contingency:		$12,271.83

16. Site Specific Costs (explain)	UNIT COST	
	LS	$2,000.00
	LS	
	LS	

ANNUAL LONG-TERM CARE COST ($/Year):	$136,990.11
NUMBER OF YEARS OF LONG-TERM CARE	30.00
TOTAL LONG-TERM CARE COST ($)	$4,109,703.24

Angelo's Aggregate Materials, Enterprise Class III Landfill Closure and Long-Term Care Cost Estimates

General Information and Assumptions:

The previously approved estimates included Cells 1, 2, 15, 5, 4, and 3. As shown on the financial assurance cost estimate form, these estimates have been revised to include the closure and long-term care of Cells 6 and 7. Most of the assumptions that were previously used remain unchanged and have been re-applied for this estimate. Any quantities or cost items that remain unchanged have been marked "No Change".

Closure Area:

The source that has been used for the individual cell closure areas and design lives listed on the financial assurance cost estimate form is the lifespan analysis presented in the *Enterprise Class III Landfill Permit Renewal, Pasco County, Response to DEP Second Request for Additional Information*, prepared by Jones Edmunds in June 2006. This analysis titled, *Table 1, Proposed Enterprise Recycling and Disposal Facility, Life Expectancy Estimate, Pasco County, FL* has been used for Cells 6 and 7. A copy has been included as Reference 1. Since Cells 6, 7 and 8 have been combined into Cells 6 and 7 per the sequencing modification, the combined surface areas and volumes (column 1) for the 3 cells has been divided in half for Cells 6 and 7. Using the estimated annual waste volume (column 2) the cell life for Cells 6 and 7 were calculated. These are the areas and design lives presented on the financial assurance form.

Unit Cost Estimations and Calculations:

All unit costs are explained in the following parts for each item. The cost references are provided in the appendix with the cost estimates and consist mostly of third party quotes as well as MeansCostWorks.com (RSMeans) estimates.

Enterprise Class III Landfill Closure Cost Estimate Explanation of Quantities and Costs:

Item 1: Proposed Monitoring Wells

NA

Item 2: Slope and Fill

The previous estimate assumed Grading & Sloping Waste on a per SY basis. The areas of Cells 6 and 7 have been added to the total quantity. For unit cost see updated Goodwin Brothers estimate (Reference 2).

Item 3: Cover Material (Barrier Layer):

The previous estimate assumed 18" of clay over the closure area plus an allowance of 30% for compaction. This methodology was applied to the new closure area including Cells 6 and 7. For unit cost see updated Goodwin Brothers estimate (Reference 2).

Item 4: Top Soil Cover

The previous estimate assumed 18" of soil cover over the closure area plus an allowance of 30% for compaction. This methodology was applied to the new closure area including Cells 6 and 7. For unit cost see updated Goodwin Brothers estimate (Reference 2).

Item 5: Vegetative Layer

The previous estimate assumed a sod quantity of 2.6 acres (over 39.60 acres of closure). Applying the same percentage over the new acreage (60.64) resulted in a sod quantity of 4 acres. For unit cost see updated Goodwin Brothers estimate (Reference 2).

This estimate assumed hydroseeding over the closure area of 60.64 acres. For unit cost see updated Goodwin Brothers estimate (Reference 2).

Irrigation & Labor: No change

Item 6: Stormwater Control System

No change

Item 7: Gas Control: Passive

No change to quantities. The quantity of gas wells was increased to account for the wells that will be installed within the Cells 6 and 7 footprints. A quote for similar work is provided as Reference 3.

Item 8: Gas Control: Active Extraction

An active gas collection system is not proposed at this time.

Item 9: Security System

The security fencing, gates, and signs have been installed for the entire site. Additional security devices are not anticipated at the time of this cost estimate.

Item 10: Engineering

No change to unit costs. These costs would be typical for any 3rd Party engineering consulting firm to perform these tasks. The quantities (hours) have been increased by the percentage of acreage increase.

Item 11: Professional Services

No change to unit costs. These costs would be typical for any 3rd Party engineering consulting firm to perform these tasks. The quantities (hours) have been increased by the percentage of acreage increase.

Item 12: Contingency

A contingency amount of 10% of the total cost was used in the cost estimate. This value is consistent with actual contingency values used in bidding landfill construction projects.

Item 13: Site Specific Costs

Other:

Item 13: Site Specific Costs

Cost for mobilization was provided by Goodwin Brothers (See Reference 2).

Construction Rework & CQA Test Cont. was increased by the percentage of acreage increase.

Section 10 Landfill Long-Term Care Cost Estimate Explanation of Quantities and Costs:

Item 1: Groundwater Monitoring

A Jones Edmunds' estimate for annual compliance monitoring costs for a comparable site including fieldwork, laboratory analysis and reporting was used. The estimate is based on a semi-annual sampling of 14 monitoring wells (a total of 28 sampling events). See Reference 4.

Item 2: Surface Water Monitoring

NA

Item 3: Gas Monitoring

A Jones Edmunds' estimate for annual gas monitoring costs including fieldwork, laboratory analysis and reporting was used. The estimate is based on quarterly sampling of 10 monitoring wells (a total of 40 sampling events). See Reference 4.

Item 4: Leachate Monitoring

NA

Item 5: Leachate Collection/Treatment Systems Maintenance

NA

Item 6: Leachate Collection/Treatment System Operation

NA

Item 7: Maintenance of Groundwater Monitoring Wells

No Change

Item 8: Gas System Maintenance

No Change

Item 9: Landscape

Mowing:

Mowing was assumed for 60.64 acres of closure 4 times per year. RSMeans was used for the unit cost. See Reference 5.

Fertilizer:

Assuming fertilizer is applied once per year on 60.64 acres. No change to unit cost.

Item 10: Erosion Control and Cover Maintenance

Sodding:

Please see Item 5 of closure cost estimate for sod quote for unit cost. No change to the quantity.

Regrading:

No change to the quantity. The unit cost is based on the Goodwin Brothers quote (Reference 2).

Clay:

No Change to the quantity. The unit cost is based on the Goodwin Brothers quote.

Item 11: Stormwater Management System Maintenance

No Change

Item 12: Security System Maintenance

No Change

Item 13: Utilities

NA

Item 14: Administrative

No change to unit costs. These costs would be typical for any 3rd Party engineering consulting firm to perform these tasks. The quantities (hours) have been increased by the percentage of acreage increase.

Item 15: Contingency

Contingency costs of 10% were included with this cost estimate for long-term care.

COST REFERENCES

REFERENCE 1

Table 1 (Source: Tetratech, Inc)

Proposed Enterprise Recycling and Disposal Facility
Life Expectancy Estimate
Pasco County, FL

Cell/~~Phase~~	Surface Area (Acres)	Estimated [1] Cell Volume (CY)	Est. Annual [2] Waste Volume (CY)	Estimated [3] Cell Life (Mo)
1/~~4~~	6.08	542,778.6	394,542~~1,260,000~~	16.5~~5.2~~
2/~~5~~	5.57	543,397.9	394,542~~1,260,000~~	16.5~~5.2~~
3/~~6~~	7.04	548,613.6	394,542~~1,260,000~~	16.6~~5.2~~
4/~~7~~	7.34	511,513.7	394,542~~1,260,000~~	15.54.9
5/~~8~~	7.34	509,914.8	394,542~~1,260,000~~	15.54.9
~~6/9~~	6.95	550,189.8	394,542~~1,260,000~~	~~16.75.2~~
~~7/10~~ $\frac{\Sigma}{2}=\frac{21.04}{2}$	6.75 $\frac{1,712,721}{2}$	648,886.6	394,542~~1,260,000~~	~~19.76.2~~
~~8/11~~	7.34	513,644.1	394,542~~1,260,000~~	~~15.64.9~~
9/~~12~~	7.34	507,703.2	394,542~~1,260,000~~	15.44.8
10/~~13~~	7.09	686,957.6	394,542~~1,260,000~~	20.96.5
11/~~14~~	6.95	694,173.7	394,542~~1,260,000~~	21.16.6
12/~~15~~	6.74	630,019.4	394,542~~1,260,000~~	19.26.0
13/~~16~~	5.19	523,015.5	394,542~~1,260,000~~	15.95.0
14/~~1~~	5.78	523,512.4	394,542~~1,260,000~~	15.95.0
15/~~3~~	6.00	527,715.2	394,542~~1,260,000~~	16.05.0
16/~~2~~	6.23	527,139.8	394,542~~1,260,000~~	16.05.0
TOTALS	**105.73**	**8,989,275.9**		**22.75~~7.13~~ years**

COMBINED INTO CELLS 6 & 7

(1) Based on 3/00 topographic survey, designed base excavation grades, 2H:1V side slopes.

(2) In place waste volume (1:7:1 compaction ratio) based on similar Florida landfills, actual disposal rates will vary.

(3) Based on cell volumes without airspace for 800,000 CY of cover material.

6	10.52	856,360.3	394,542	26.0
7	10.52	856,360.3	394,542	26.0

JLD\cr\99.0331.025\M:\01030-AngelosRecycled\002 - RAI Class III-Enterprise RDF\Consult\Closure Plan\Table 1A.doc~~T:\jld\LARKIN\Table 1A.doc~~I:\~~WORDPROC~~\1999\99.0331.025\T-1\Reports\R-1\~~Table 1A.doc~~
~~081505~~012006

REFERENCE 2

P.O. Box 1689
Brooksville, FL 34605
dwinbrosconst@hughes.net

Goodwin BROS
Construction Co., Inc.

Phone (352) 796-014
Fax (352) 544-108

October 15, 2009

Jones, Edmunds & Associates, Inc.
730 NE Waldo Road
Gainesville, FL 32641
ATTN: Brent Schneider

RE: Enterprise Landfill

Mr. Schneider:

Goodwin Bros. Construction, Inc. is providing quotes for Closure of the Enterprise Road Class III Landfill.

Mobilization	$1,800.00
Rough grading and sloping of waste (Additional fill dirt, if needed, would be $6.80/cy. However, we intend to use the graded, compacted waste as fill material.)	$0.75/SY
Barrier soil, in accordance with Rule 62-701, FAC (Includes purchase of off-site material, delivery, placement and compaction to meet the applicable DEP requirements)	$5.00/CY
Top soil (Includes purchase of off-site material, delivery, placement and compaction)	$7.50/CY
Sodding of side slopes	$1.44/SY
Hydroseeding relatively flat areas (Includes fertilizing and mulching)	$2,245.55/AC
Regarding of any eroded areas	$1,550.00/AC

Estimated time to complete work approximately 14 weeks

We believe the costs above include all activities required for construction of the final cover required by Rule 62-701. We also have done work for the Sarasota Landfill in Sarasota County.
Please call me at 352-279-7053 if you have any questions.

Thank you,

Daniel Goodwin, Jr.

REFERENCE 3

HD HUSS Drilling

Client:JEA
Attn:Donnie Wilkerson
Date:7/22/09
Fax / Email:(352)377-3166
Quote Page 1 of 1
Cost Estimate for drilling:Union County
HDI #0857-09

			EST /UNIT	PRICE		TOTAL
MOBILIZATION/DEMOBILIZATION			Union County		$	600.00
***Drilling Through Trash**						
GAS VENTS WELLS	(Includes:.**02 Screen, Riser, Pea Gravel & Bentonite**)					
	Diameter 4" **(1X20')**	0 - 50'	20.0 /ft	40.00 /ft	$	800.00
		50 - 100'	0.0 /ft	44.00 /ft	$	-
STANDARD PENETRATION TESTING						
SPT	5' Interval	0 - 50'	0.0 /ft	10.00 /ft	$	-
		50 - 100'	0.0 /ft	14.00 /ft	$	-
SPT	Continuous	0 - 50'	0.0 /ft	16.00 /ft	$	-
		50 - 100'	0.0 /ft	20.00 /ft	$	-
AUGER BORINGS (S. Stem 3")		0 - 50'	0.0 /ft	8.00 /ft	$	-
SURFACE CASING (8" PVC)			0.0 /ft	45.00 /ft	$	-
WELL COMPLETION OPTIONS-**NONE**						
12" Manhole Cover w/4" Concrete Square Pad			0.0 /ea	150.00 /ea	$	-
8" Manhole Cover w/4" Concrete Square Pad			0.0 /ea	125.00 /ea	$	-
8" Boltdown Cover w/4" Concrete Square Pad			0.0 /ea	150.00 /ea	$	-
6" Square Protective Casing w/Square Pad			0.0 /ea	250.00 /ea	$	-
4" Sanitary Locking Seals			0.0 /ea	40.00 /ea	$	-
ADDITIONAL ITEMS						
Drilling by the Hour (4 hour Minimum)			0.0 /hr.	200.00 /hr.	$	-
Well Development Moyno-Rig pump or Sub.			0.0 /hr.	175.00 /hr.	$	-
Steam Decontamination			0.25 /hr.	175.00 /hr.	$	43.75
Jack Hammer Rental			0.0 /dy	115.00 /dy	$	-
Stand By Time			0.0 /hr.	175.00 /hr.	$	-
Site Clean Up/Drumming Cuttings			0.0 /hr.	175.00 /hr.	$	-
Concrete/Asphalt Cutting & Removal			0.0 /hr.	175.00 /hr.	$	-
Drums (DOT 17H)			0.0 /ea	65.00 /ea.	$	-
Hotel & Per Diem (3 man crew)			0.0 /dy	300.00 /dy	$	-
Permits (S.W.F.W.M.D)			0.0 /ea	75.00 /ea	$	-
			Total Estimate		$	1,443.75

Additional Insured Requirements as per Written Contract
*This bid is an estimate only and the invoice will reflect the actual work performed.
File Name: Bid-Short4.xls

35920 STATE ROAD 52 • DADE CITY, FL 33525 • (352) 567-9500 • (352) 567-6646

REFERENCE 4
(1 of 2)

New River Regional Landfill
Cost Estimate for Monitoring Services
2009 Financial Assurance Cost Estimate - Backup Information

JONES EDMUNDS
ENGINEERS | ARCHITECTS | SCIENTISTS

From: Proposed Costs to New River from Jones Edmunds & Associates, Inc.
Work Order No. 17 for Fiscal Year 2009 / 2010

Items as listed on "Part VI. Annual Cost for Long-Term Care"

1. Groundwater Monitoring (62-701.510(6), and (8)(a))

	Sampling Frequency (events/yr.)	Number of Wells	$/Well/Event	$/Year
Monthly	12			
Quarterly	4			
Semi-Annual	2	17	$ 1,199.41	$ 40,780.00
Annual	1			
		Subtotal Groundwater Monitoring:		$ 40,780.00

Assumptions for above calculations:	$/Year
Annual Sampling and Reporting Cost for 17 Groundwater Monitoring Wells	$ 19,380.00
Annual Laboratory Analytical Costs for 17 Groundwater Monitoring Wells	$ 13,640.00
Annual Pro-rated Laboratory Analytical Costs for 5-Year Laboratory Analyses	$ 1,710.00
Annual Pro-rated Cost for Biennial Technical Summary Report	$ 2,250.00
Annual Contingency for Resampling/Reanalysis	$ 3,800.00
Total Annual Costs Related to Groundwater Monitoring	$ 40,780.00

2. Surface Water Monitoring (62-701.510(4), and (8)(b))

	Sampling Frequency (events/yr.)	Number of Wells	$/Well/Event	$/Year
Monthly	12			
Quarterly	4			
Semi-Annual	2	2	$ 1,195.00	$ 4,780.00
Annual	1			
		Subtotal Surface Water Monitoring:		$ 4,780.00

Assumptions for above calculations:	$/Year
Annual Sampling and Reporting Cost for 2 Surface Water Stations	$ 1,920.00
Annual Laboratory Analytical Costs for 2 Surface Water Stations	$ 2,860.00
Total Annual Costs Related to Surface Water Monitoring	$ 4,780.00

REFERENCE 4
(2 of 2)

3. Gas Monitoring

	Sampling Frequency (events/yr.)	Number of Wells	$/Well/Event	$/Year
Monthly	12			
Quarterly	4	17	$ 79.41	$ 5,400.00
Semi-Annual	2			
Annual	1			
		Subtotal Gas Monitoring:		$ 5,400.00

Assumptions for above calculations:		$/Year
Annual Monitoring and Reporting Cost for 17 Gas Monitoring Wells	$	5,400.00
Total Annual Costs Related to Gas Monitoring	$	5,400.00

4. Leachate Monitoring (62-701.510(5), (6)(b), and (8)(c))

	Sampling Frequency (events/yr.)	Number of Wells	$/Well/Event	$/Year
Monthly	12			
Quarterly	4			
Semi-Annual	2			
Annual	1	6	$ 1,508.33	$ 9,050.00
		Subtotal Leachate Monitoring:		$ 9,050.00

Assumptions for above calculations:		$/Year
Annual Sampling and Reporting Cost for 6 Leachate Stations	$	3,000.00
Annual Laboratory Analytical Costs for 6 Leachate Stations	$	6,050.00
Total Annual Costs Related to Leachate Monitoring	$	9,050.00

REFERENCE 5

Angelos

Dade City,
FL, 33525
Year 2009

Date: 16-Oct-09

Unit Detail Report

Cost Estimate Report
CostWorks®
RSMeans

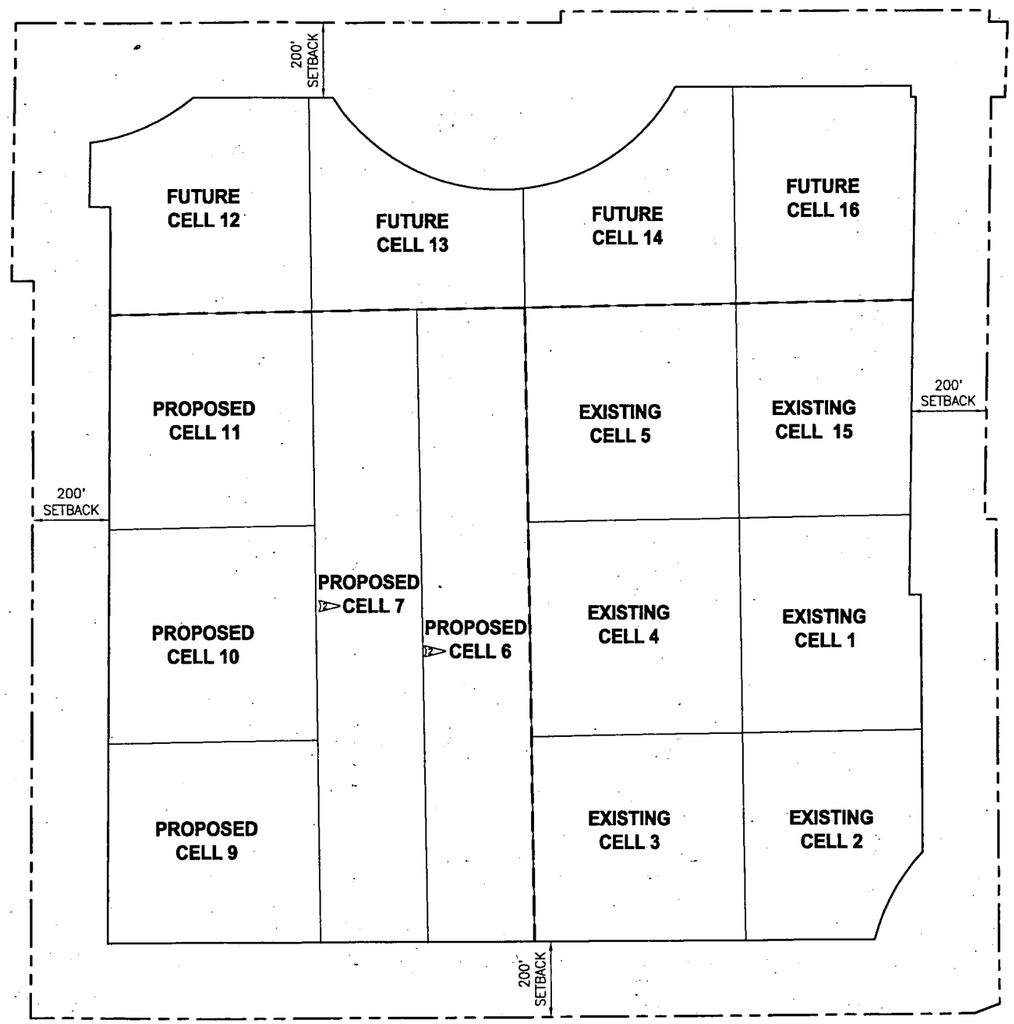
Enterprise Class III FACE

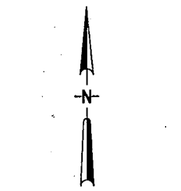
Prepared By:
Javier DuQuesne
Jones Edmunds & Associates, Inc.

LineNumber			Description	Quantity	Unit	Total Incl. O&P	Ext. Total Incl. O&P
Division 32 Exterior Improvements							
320190194180			Mowing, lawn mowing, 3 gang reel, 7', with tractor & attachments	43.56	M.S.F.	$0.65	$28.31
Division 32 Subtotal							**$28.31**

ATTACHMENT 7

REVISED DRAWING C-5





LEGEND

- PROPERTY BOUNDARY
- LANDFILL LIMITS
- CELL BOUNDARY
- LANDFILL EXPANSIONS

GENERAL NOTES

1. DRAWINGS C-5 THROUGH C-13 ARE PROVIDED TO SHOW THE MINING EXCAVATION, CELL FLOOR GRADING, INTERIOR CELL DRAINAGE, AND LANDFILL FILLING SEQUENCING.
2. EACH DRAWING SHOWS THE COMPLETE SEQUENCE OF THESE ACTIVITIES. FOR EXAMPLE DRAWING C-6 REPRESENTS THE FINAL CONTOURS FOR THE LANDFILL IN CELL 15, THE FINAL CELL BOTTOM GRADES IN CELL 5 AND THE FINAL CELL MINING GRADES IN CELL 4, AND THE EXISTING CONTOURS (AS OF 10/27/05) FOR THE REST OF THE SITE. DRAWING C-7 WOULD THEN SHOW THE NEXT PROGRESSION AS REPRESENTED IN THE TABLE BELOW.
3. DETAILED DEPICTION OF THE STORMWATER SYSTEM STARTS ON DRAWING C-7 SINCE THIS MOST CLOSELY REPRESENTS THE EXISTING SITE CONDITIONS AT THE TIME OF THIS SUBMITTAL (11/10/06).
4. SITE DRAINAGE IS DIRECTED TO THE TEMPORARY POND LOCATED IN CELLS 14 AND 16 IN THE NORTHEAST SIDE OF THE SITE. THE CELL BOTTOM IS GENERALLY GRADED TO ALLOW OVERLAND FLOW FROM THE SOUTH TO THE NORTH/NORTHEAST. DRAINAGE THAT COLLECTS ALONG THE EXISTING CELL IS DIRECTED TO THE TEMPORARY POND DUE TO THE GRADE OF THE CELL BOTTOM DECREASING FROM SOUTH TO NORTH. ADDITIONAL SWALES WILL BE CONSTRUCTED AS NEEDED WHEN THE LANDFILL OPERATIONS IMPEDE THE FLOW OF STORMWATER. FOR EXAMPLE IN DRAWING C-7 STORMWATER FROM CELLS 1 AND 2 WILL FLOW OFF OF THE CELL AND FLOW TO THE NORTH TO A SWALE THAT WILL BE CONSTRUCTED. DUE TO THE SCALE OF THE DRAWINGS THE SWALE IS REPRESENTED ONLY WITH THE SWALE CENTERLINE AND SPOT ELEVATIONS AT KEY POINTS ALONG THE SWALE.
5. DRAINAGE FROM THE UNEXCAVATED PORTION OF THE SITE IS KEPT FROM ENTERING THE WORKING AREA BY USE OF TEMPORARY BERMS OR SWALES. FOR INSTANCE ON DRAWING C-7 CELLS 6 AND 7 ARE AT A MUCH HIGHER ELEVATION THAN THE CELLS BELOW (3, 4, AND 5). DEPENDING ON THE STAGE OF MINING, A TEMPORARY BERM OR SWALE WILL BE CONSTRUCTED TO DIVERT THE CELL DRAINAGE TO EITHER POND 1 OR THE TEMPORARY POND.

EXCAVATION, CONSTRUCTION, AND FILLING SEQUENCE

FILL SEQUENCE	MINING EXCAVATION	CELL CONSTRUCTION	LANDFILL FILLING	BEGIN ACCEPTING WASTE (ESTIMATED)
1	4	5	15	–
2	3	4	5	–
3A	6	3	4	–
3B	6	–	3	4/2009
4	7	6	1, 2, 3, 4, 5, 15	10/2009
5	–	7	6	4/2010
6	9	–	7	10/2010
7	10	9	3, 4, 5, 6	4/2011
8	11	10, 11	6, 7, 9, 10, 11	10/2011

NOTE:
CELL CLOSURE WILL NOT OCCUR UNTIL THE EXISTING AND PROPOSED LANDFILL CELLS ARE FILLED IN APPROXIMATELY 2011.

LTR.	DATE	REVISIONS	BY	APPRD.
2	10/09	PERMIT MODIFICATION 2 RAI 1	PEU	DAD
1	8/09	PERMIT MODIFICATION 2	PEU	DAD

DESIGNED TSM
DRAWN H2B
CHECKED DAD

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

ANGELO'S AGGREGATE MATERIALS, LTD.
ENTERPRISE RECYCLE AND DISPOSAL FACILITY

CELL PHASING SEQUENCE

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
DENNIS A. DAVIS
P.E. # 59299

DATE NOV 2006
SCALE 1"=200'
PROJECT NO. 01030-005-01
DWG. NO. C-5

JONES EDMUNDS

August 6, 2009

Dept. of Environmental Protection
AUG 07 2009
Southwest District

Susan Pelz, P.E.
Solid Waste Section
Florida Department of Environmental Protection
Southwest District Office
13051 North Telecom Parkway
Temple Terrace, FL 33637

RE: Angelo's Aggregate Materials Enterprise Recycling and Disposal Facility
Class III Operations Permit Minor Modification
Jones Edmunds Project No.: 01030-008-01

Dear Susan,

This letter has been prepared to transmit to you the operations permit minor modification for the Enterprise Recycling and Disposal Facility. The proposed modification encompasses a minor deviation in the filling sequence of the disposal cells and is not expected to lead to substantially different environmental impacts. The pertinent sections of the operations plan, engineering report, and permit drawings have been revised to reflect this change. These documents are enclosed as following:

- APPENDIX A- Revised Operations Permit Application (Parts A, B, E, L and T) - *These components are provided either as required per the minor modification or to denote sections of the permit (Operations Plan-Part L, Engineering Report-Part E) that have been revised.*
  - ATTACHMENT 1- Revised pages of the Engineering Report- *The cell filling sequence plan description was revised by tracking changes in the document. This revised page as well any other pages affected by pagination are provided (pages 3-7 thru 3-10).*
  - ATTACHMENT 2- Revised pages of the Operations Plan- *The cell filling sequence plan description was revised by tracking changes in the document. In addition, Section 5.7 was revised to include incidentally received asphalt as part of the recycling operations. These revised pages as well any other pages affected by pagination are provided (pages 7 thru 12).*
- APPENDIX B- Revised Permit Drawings (full-size, signed and sealed) - *The table below presents further explanation of applicable revisions to the drawing set.*

730 NE Waldo Rd
Gainesville, FL 32641

352.377.5821 Phone
352.377.3166 Fax
www.jonesedmunds.com

DRAWING NO.	STATUS	COMMENT
V-1	Not submitted	No change
V-2	Not submitted	No change
C-1	Not submitted	No change
C-2	Not submitted	No change
C-3	Not submitted	No change
C-4	Not submitted	No change
C-5	Submitted	Revised phasing plan and table
C-6	Not submitted	No change
C-7	Not submitted	No change
C-8	Not submitted	No change
C-8A	Submitted	New Cells 6 and 7
C-9	Submitted	New Cells 6 and 7
C-10	Submitted	New Cells 6 and 7
C-11	Submitted	New Cells 6 and 7
C-12	Submitted	New Cells 6 and 7
C-13	Submitted	New Cells 6 and 7
C-14	Not submitted	No change
C-15	Submitted	Revised cross-section reflecting new Cells 6 and 7
C-16	Not submitted	No change
C-17	Not submitted	No change
C-18	Submitted	Revised cross-section reflecting new Cells 6 and 7
C-19	Submitted	Revised cross-section reflecting new Cells 6 and 7
C-20	Submitted	Revised cross-section reflecting new Cells 6 and 7
C-21	Not submitted	No change
C-22	Not submitted	No change
C-23	Not submitted	No change

Also attached with this letter is Check # 019144 in the amount of $250.00 for the minor modification in accordance with 62-4.050(4)(s),F.A.C. Please contact me at 352-377-5821 if you have any questions regarding this information.

Sincerely,

Dennis A. Davis, P.E.
Project Manager

M:\01030-AngelosRecycled\008-01-Class III Op Permit Minor Mod\2009_08_06-LTR-SPelz-FDEP-ClassIIIMinorMod_DDavis.doc

Attachment

xc: John Arnold, Angelo's Aggregate Materials

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APPENDIX A

REVISED OPERATIONS PERMIT APPLICATION FORM

Florida Department of Environmental Protection
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, FL 32399-2400

DEP Form # 62-701.900(1)
Form Title Solid Waste Management Facility Permit
Effective Date 05-27-01

DEP Application No. _____
(Filled by DEP)

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPLICATION FOR A PERMIT TO CONSTRUCT, OPERATE, MODIFY OR CLOSE A SOLID WASTE MANAGEMENT FACILITY

APPLICATION INSTRUCTIONS AND FORMS

Northwest District
160 Governmental Center
Pensacola, FL 32501-5794
850-595-8360

Northeast District
7825 Baymeadows Way, Ste. B200
Jacksonville, FL 32256-7590
904-448-4300

Central District
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
407-894-7555

Southwest District
3804 Coconut Palm Dr.
Tampa, FL 33619
813-744-6100

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33901-3881
941-332-6975

Southeast District
400 North Congress Ave.
West Palm Beach, FL 33401
561-681-6600

INSTRUCTIONS TO APPLY FOR A SOLID WASTE MANAGEMENT FACILITY PERMIT

I. General

Solid Waste Management Facilities shall be permitted pursuant to Section 403.707, Florida Statutes,(FS) and in accordance with Florida Administrative Code (FAC) Chapter 62-701. A minimum of four copies of the application shall be submitted to the Department's District Office having jurisdiction over the facility. The appropriate fee in accordance with Rule 62-701.315, FAC, shall be submitted with the application by check made payable to the Department of Environmental Protection (DEP).

Complete appropriate sections for the type of facility for which application is made. Entries shall be typed or printed in ink. All blanks shall be filled in or marked "not applicable" or "no substantial change". Information provided in support of the application shall be marked "submitted" and the location of this information in the application package indicated. The application shall include all information, drawings, and reports necessary to evaluate the facility. Information required to complete the application is listed on the attached pages of this form.

II. Application Parts Required for Construction and Operation Permits

A. Landfills and Ash Monofills - Submit parts A,B, D through T
B. Asbestos Monofills - Submit parts A,B,D,E,F,G,J,L,N, P through S, and T
C. Industrial Solid Waste Facilities - Submit parts A,B, D through T
D. Non-Disposal Facilities - Submit parts A,C,D,E,J,N,S and T

NOTE: Portions of some parts may not be applicable.

NOTE: For facilities that have been satisfactorily constructed in accordance with their construction permit, the information required for A,B,C and D type facilities does not have to be resubmitted for an operation permit if the information has not substantially changed during the construction period. The appropriate portion of the form should be marked "no substantial change".

III. Application Parts Required for Closure Permits

A. Landfills and Ash Monofills - Submit parts A,B,M, O through T
B. Asbestos Monofills - Submit parts A,B,N, P through T
C. Industrial Solid Waste Facilities - Submit parts A,B, M through T
D. Non-Disposal Facilities - Submit parts A,C,N,S and T

NOTE: Portions of some parts may not be applicable.

IV. Permit Renewals

The above information shall be submitted at time of permit renewal in support of the new permit. However, facility information that was submitted to the Department to support the expiring permit, and which is still valid, does not need to be re-submitted for permit renewal. Portions of the application not re-submitted shall be marked "no substantial change" on the application form.

V. Application Codes

S	-	Submitted
LOCATION	-	Physical location of information in application
N/A	-	Not Applicable
N/C	-	No Substantial Change

VI. LISTING OF APPLICATION PARTS

PART A: GENERAL INFORMATION

PART B: DISPOSAL FACILITY GENERAL INFORMATION

PART C: NON-DISPOSAL FACILITY GENERAL INFORMATION

PART D: PROHIBITIONS

PART E: SOLID WASTE MANAGEMENT FACILITY PERMIT REQUIREMENTS, GENERAL

PART F: LANDFILL PERMIT REQUIREMENTS

PART G: GENERAL CRITERIA FOR LANDFILLS

PART H: LANDFILL CONSTRUCTION REQUIREMENTS

PART I: HYDROGEOLOGICAL INVESTIGATION REQUIREMENTS

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PART M: WATER QUALITY AND LEACHATE MONITORING REQUIREMENTS

PART N: SPECIAL WASTE HANDLING REQUIREMENTS

PART O: GAS MANAGEMENT SYSTEM REQUIREMENTS

PART P: LANDFILL CLOSURE REQUIREMENTS

PART Q: CLOSURE PROCEDURES

PART R: LONG TERM CARE REQUIREMENTS

PART S: FINANCIAL RESPONSIBILITY REQUIREMENTS

PART T: CERTIFICATION BY APPLICANT AND ENGINEER OR PUBLIC OFFICER

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
APPLICATION FOR A PERMIT TO CONSTRUCT, OPERATE, MODIFY OR CLOSE
A SOLID WASTE MANAGEMENT FACILITY

Please Type or Print

A. GENERAL INFORMATION

1. Type of facility (check all that apply):

[✓] Disposal
- [ ] Class I Landfill
- [ ] Class II Landfill
- [✓] Class III Landfill
- [ ] Other Describe: _____
- [ ] Ash Monofill
- [ ] Asbestos Monofill
- [ ] Industrial Solid Waste

[ ] Non-Disposal
- [ ] Incinerator For Non-biomedical Waste
- [ ] Waste to Energy Without Power Plant Certification
- [ ] Other Describe: _____

NOTE: Waste Processing Facilities should apply on Form 62-701.900(4), FAC; Land Clearing Disposal Facilities should notify on Form 62-701.900(3), FAC; Compost Facilities should apply on Form 62-701.900(10), FAC; and C&D Disposal Facilities should apply on Form 62-701.900(6), FAC

2. Type of application:
- [ ] Construction
- [ ] Operation
- [✓] Construction/Operation
- [ ] Closure

3. Classification of application:
- [ ] New
- [ ] Renewal
- [ ] Substantial Modification
- [ ] Intermediate Modification
- [✓] Minor Modification

4. Facility name: **Enterprise Recycling and Disposal Facility**

5. DEP ID number: **SWD-51-87895** County: **Pasco**

6. Facility location (main entrance): **41111 Enterprise Road**
Dade City, Florida 33525

7. Location coordinates:

Section: **5,8** Township: **25S** Range: **22E**

Latitude: **28** ° **19** ' **53** " Longitude: **82** ° **08** ' **06** "

8. Applicant name (operating authority): **Angelo's Aggregate Materials, Ltd.**

Mailing address: **41111 Enterprise Road, Dade City, Florida 33525-1539**
Street or P.O. Box City State Zip

Contact person: **Dominic Iafrate** Telephone: (**810**) **217-0726**

Title: **President**

diafrate@iafrate.com
E-Mail address (if available)

9. Authorized agent/Consultant: **Jones Edmunds & Associates, Inc.**

Mailing address: **730 NE Waldo Road, Gainesville, Florida 32641**
Street or P.O. Box City State Zip

Contact person: **Dennis A. Davis, P.E.** Telephone: (**352**) **377-5821**

Title: **Project Manager**

ddavis@jonesedmunds.com
E-Mail address (if available)

10. Landowner(if different than applicant): **same**

Mailing address:
Street or P.O. Box City State Zip

Contact person: Telephone: (___)

E-Mail address (if available)

11. Cities, towns and areas to be served: **Pasco County and surrounding areas**

12. Population to be served:

Current: **1,929,360** Five-Year Projection: **2,027,776**

13. Date site will be ready to be inspected for completion: **Ongoing construction**

14. Expected life of the facility: **30** years

15. Estimated costs:

Total Construction: $ **N/A** Closing Costs: $ **N/C**

16. Anticipated construction starting and completion dates:

From: **Ongoing** To: **Ongoing**

17. Expected volume or weight of waste to be received:

1,500 yds^3/day _____ tons/day _____ gallons/day

B. DISPOSAL FACILITY GENERAL INFORMATION

1. Provide brief description of disposal facility design and operations planned unde this application:

The facility is a permitted Class I mine and Class III landfill.

2. Facility site supervisor: **Jeff Rogers**

Title: **Operations Manager** Telephone: (**352**) **567-7676**

E-Mail address (if available)

3. Disposal area: Total **111** acres; Used **39** acres; Available **72** acres.

4. Weighing scales used: [✓] Yes [ ] No

5. Security to prevent unauthorized use: [✓] Yes [ ] No

6. Charge for waste received: **9.50** $/yds^3 _____ $/ton

7. Surrounding land use, zoning:

[✓] Residential
[✓] Agricultural
[ ] Commercial
[✓] Industrial
[ ] None
[ ] Other Describe: _____

8. Types of waste received:

[ ] Residential
[ ] Commercial
[ ] Incinerator/WTE ash
[ ] Treated biomedical
[ ] Water treatment sludge
[ ] Air treatment sludge
[ ] Agricultural
[✓] Asbestos
[✓] Other Describe: **Waste classified as Class III**
[✓] C & D debris
[✓] Shredded/cut tires
[✓] Yard trash
[ ] Septic tank
[ ] Industrial
[ ] Industrial sludge
[ ] Domestic sludge

9. Salvaging permitted: [ ] Yes [✓] No

10. Attendant: [✓] Yes [ ] No Trained operator: [✓] Yes [ ] No

11. Spotters: Yes [✓] No [ ] Number of spotters used: **2**

12. Site located in: [ ] Floodplain [ ] Wetlands [✓] Other **N/A**

13. Property recorded as a Disposal Site in County Land Records: [ ] Yes [✓] No

4. Days of operation: Monday through Friday; Saturday

15. Hours of operation: 7 a.m. to 6 p.m.; 7 a.m. to 2 p.m.

16. Days Working Face covered: Once per week

17. Elevation of water table: 61 - 85 Ft. (NGVD 1929)

18. Number of monitoring wells: 2 upgradient, 14 downgradient

19. Number of surface monitoring points: None

20. Gas controls used: [✓] Yes [ ] No Type controls: [ ] Active [✓] Passive

Gas flaring: [ ] Yes [✓] No Gas recovery: [ ] Yes [✓] No

21. Landfill unit liner type:

[ ] Natural soils
[✓] Single clay liner
[ ] Single geomembrane
[ ] Single composite
[ ] Slurry wall
[ ] Other Describe:
[ ] Double geomembrane
[ ] Geomembrane & composite
[ ] Double composite
[ ] None

22. Leachate collection method:

[ ] Collection pipes
[ ] Geonets
[ ] Well points
[ ] Perimeter ditch
[ ] Other Describe:
[ ] Sand layer
[ ] Gravel layer
[ ] Interceptor trench
[✓] None

23. Leachate storage method:

[ ] Tanks
[ ] Surface impoundments
[ ] Other Describe: N/A

24. Leachate treatment method:

[ ] Oxidation
[ ] Secondary
[ ] Advanced
[ ] None
[ ] Other N/A
[ ] Chemical treatment
[ ] Settling

25. Leachate disposal method:

[ ] Recirculated
[ ] Transported to WWTP
[ ] Injection well
[ ] Evaporation
[ ] Other
[ ] Pumped to WWTP
[ ] Discharged to surface water
[ ] Percolation ponds

N/A

26. For leachate discharged to surface waters:

Name and Class of receiving water: N/A

27. Storm Water:

Collected: [✓] Yes [ ] No

Type of treatment: Stormwater facilities are designed to retain the 100-year, 24-hour storm volume.

Name and Class of receiving water:

28. Environmental Resources Permit (ERP) number or status:

D. PROHIBITIONS (62-701.300, FAC)

	LOCATION	N/A	N/C		
__	_____	___	___	1.	Provide documentation that each of the siting criteria will be satisfied for the facility; (62-701.300(2), FAC)
__	_____	___	___	2.	If the facility qualifies for any of the exemptions contained in Rules 62-701.300(12) through (16), FAC, then document this qualification(s).
__	_____	___	___	3.	Provide documentation that the facility will be in compliance with the burning restrictions; (62-701.300(3), FAC)
__	_____	___	___	4.	Provide documentation that the facility will be in compliance with the hazardous waste restrictions; (62-701.300(4), FAC)
__	_____	___	___	5.	Provide documentation that the facility will be in compliance with the PCB disposal restrictions; (62-701.300(5), FAC)
__	_____	___	___	6.	Provide documentation that the facility will be in compliance with the biomedical waste restrictions; (62-701.300(6), FAC)
__	_____	___	___	7.	Provide documentation that the facility will be in compliance with the Class I surface water restrictions; (62-701.300(7), FAC)
__	_____	___	___	8.	Provide documentation that the facility will be in compliance with the special waste for landfills restrictions; (62-701.300(8), FAC)
__	_____	___	___	9.	Provide documentation that the facility will be in compliance with the special waste for waste-to-energy facilities restrictions; (62-701.300(9), FAC)
__	_____	___	___	10.	Provide documentation that the facility will be in compliance with the liquid restrictions; (62-701.300(10), FAC)
__	_____	___	___	11.	Provide documentation that the facility will be in compliance with the used oil restrictions; (62-701.300(11), FAC)

E. SOLID WASTE MANAGEMENT FACILITY PERMIT REQUIREMENTS, GENERAL (62-701.320, FAC)

S	LOCATION	N/A	N/C		
X				1.	Four copies, at minimum, of the completed application form, all supporting data and reports; (62-701.320(5)(a),FAC)
X				2.	Engineering and/or professional certification (signature, date and seal) provided on the applications and all engineering plans, reports and supporting information for the application; (62-701.320(6),FAC)
X				3.	A letter of transmittal to the Department; (62-701.320(7)(a),FAC)
X	Appendix A			4.	A completed application form dated and signed by the applicant; (62-701.320(7)(b),FAC)
	With Cover Letter			5.	Permit fee specified in Rule 62-701.315, FAC in check or money order, payable to the Department; (62-701.320(7)(c),FAC)
X	Attachment 1			6.	An engineering report addressing the requirements of this rule and with the following format: a cover sheet, text printed on 8 1/2 inch by 11 inch consecutively numbered pages, a table of contents or index, the body of the report and all appendices including an operation plan, contingency plan, illustrative charts and graphs, records or logs of tests and investigations, engineering calculations; (62-701.320(7)(d),FAC)
X	Attachment 2			7.	Operation Plan and Closure Plan; (62-701.320(7)(e)1,FAC)
			X	8.	Contingency Plan; (62-701.320(7)(e)2,FAC)
				9.	Plans or drawings for the solid waste management facilities in appropriate format (including sheet size restrictions, cover sheet, legends, north arrow, horizontal and vertical scales, elevations referenced to NGVD 1929) showing; (62-702.320(7)(f),FAC)
			X		a. A regional map or plan with the project location;
			X		b. A vicinity map or aerial photograph no more than 1 year old;
			X		c. A site plan showing all property boundaries certified by a registered Florida land surveyor;

S	LOCATION	N/A	N/C		PART E CONTINUED
__	_____	___	X		d. Other necessary details to support the engineering report.
___	_____	___	X	10.	Documentation that the applicant either owns the property or has legal authority from the property owner to use the site; (62-701.320(7)(g),FAC)
___	_____	X	___	11.	For facilities owned or operated by a county, provide a description of how, if any, the facilities covered in this application will contribute to the county's achievement of the waste reduction and recycling goals contained in Section 403.706,FS; (62-701.320(7)(h),FAC)
___	_____	___	X	12.	Provide a history and description of any enforcement actions taken by the Department against the applicant for violations of applicable statutes, rules, orders or permit conditions relating to the operation of any solid waste management facility in this state; (62-701.320(7)(i),FAC)
___	_____	X	___	13.	Proof of publication in a newspaper of general circulation of notice of application for a permit to construct or substantially modify a solid waste management facility; (62-702.320(8),FAC)
___	_____	___	X	14.	Provide a description of how the requirements for airport safety will be achieved including proof of required notices if applicable. If exempt, explain how the exemption applies; (62-701.320(13),FAC)
__	_____	___	X	15.	Explain how the operator training requirements will be satisfied for the facility; (62-701.320(15), FAC)

F. LANDFILL PERMIT REQUIREMENTS (62-701.330, FAC)

S	LOCATION	N/A	N/C		
___	_____	___	___	1.	Vicinity map or aerial photograph no more than 1 year old and of appropriate scale showing land use and local zoning within one mile of the landfill and of sufficient scale to show all homes or other structures, water bodies, and roads other significant features of the vicinity. All significant features shall be labeled; (62-701.330(3)(a),FAC)
___	_____	___	___	2.	Vicinity map or aerial photograph no more than 1 year old showing all airports that are located within five miles of the proposed landfill; (62-701.330(3)(b),FAC)
___	_____	___	___	3.	Plot plan with a scale not greater than 200 feet to the inch showing; (62-701.330(3)(c),FAC)
___	_____	___	___		a. Dimensions;
___	_____	___	___		b. Locations of proposed and existing water quality monitoring wells;
___	_____	___	___		c. Locations of soil borings;
___	_____	___	___		d. Proposed plan of trenching or disposal areas;
___	_____	___	___		e. Cross sections showing original elevations and proposed final contours which shall be included either on the plot plan or on separate sheets;
___	_____	___	___		f. Any previously filled waste disposal areas;
___	_____	___	___		g. Fencing or other measures to restrict access.
				4.	Topographic maps with a scale not greater than 200 feet to the inch with 5-foot contour intervals showing; (62-701.330(3)(d),FAC):
___	_____	___	___		a. Proposed fill areas;
___	_____	___	___		b. Borrow areas;
___	_____	___	___		c. Access roads;
___	_____	___	___		d. Grades required for proper drainage;
___	_____	___	___		e. Cross sections of lifts;

K. VERTICAL EXPANSION OF LANDFILLS (62-701.430,FAC)

	LOCATION	N/A	N/C		
___	_____	___	___	1.	Describe how the vertical expansion shall not cause or contribute to leachate leakage from the existing landfill or adversely affect the closure design of the existing landfill;
___	_____	___	___	2.	Describe how the vertical expansion over unlined landfills will meet the requirements of Rule 62-701.400, FAC with the exceptions of Rule 62-701.430(1)(c),FAC;
___	_____	___	___	3.	Provide foundation and settlement analysis for the vertical expansion;
___	_____	___	___	4.	Provide total settlement calculations demonstrating that the final elevations of the lining system, that gravity drainage, and that no other component of the design will be adversely affected;
___	_____	___	___	5.	Minimum stability safety factor of 1.5 for the lining system component interface stability and deep stability;
___	_____	___	___	6.	Provide documentation to show the surface water management system will not be adversely affected by the vertical expansion;
__	_____	___	___	7.	Provide gas control designs to prevent accumulation of gas under the new liner for the vertical expansion.

L. LANDFILL OPERATION REQUIREMENTS (62-701.500,FAC)

___	_____	___	X	1. Provide documentation that landfill will have at least one trained operator during operation and at least one trained spotter at each working face; (62-701.500(1),FAC)
				2. Provide a landfill operation plan including procedures for: (62-701.500(2), FAC)
___	_____	___	X	a. Designating responsible operating and maintenance personnel;
___	_____	___	X	b. Contingency operations for emergencies;
___	_____	___	X	c. Controlling types of waste received at the landfill;
___	_____	___	X	d. Weighing incoming waste;
___	_____	___	X	e. Vehicle traffic control and unloading;
X	Attachments 1 and 2	___		f. Method and sequence of filling waste;
___	_____	___	X	g. Waste compaction and application of cover;
___	_____	___	X	h. Operations of gas, leachate, and stormwater controls;
___	_____	___	X	i. Water quality monitoring.
___	_____	X	___	j. Maintaining and cleaning the leachate collection system;
___	_____	___	X	3. Provide a description of the landfill operation record to be used at the landfill; details as to location of where various operational records will be kept (i.e. FDEP permit, engineering drawings, water quality records, etc.) (62-701.500(3),FAC)
___	_____	___	X	4. Describe the waste records that will be compiled monthly and provided to the Department quarterly; (62-701.500(4),FAC)
___	_____	___	X	5. Describe methods of access control; (62-701.500(5),FAC)
___	_____	___	X	6. Describe load checking program to be implemented at the landfill to discourage disposal of unauthorized wastes at the landfill; (62-701.500(6),FAC)
				7. Describe procedures for spreading and compacting waste at the landfill that include: (62-701.500(7),FAC)
___	_____	___	X	a. Waste layer thickness and compaction frequencies;

S	LOCATION	N/A	N/C	PART L CONTINUED
_	_____	X	___	b. Special considerations for first layer of waste placed above liner and leachate collection system;
___	_____	___	X	c. Slopes of cell working face and side grades above land surface, planned lift depths during operation;
___	_____	___	X	d. Maximum width of working face;
				e. Description of type of initial cover to be used at the facility that controls:
___	_____	___	X	(1) Disease vector breeding/animal attraction
___	_____	___	X	(2) Fires
___	_____	___	X	(3) Odors
___	_____	___	X	(4) Blowing litter
___	_____	___	X	(5) Moisture infiltration
___	_____	___	X	f. Procedures for applying initial cover including minimum cover frequencies;
___	_____	___	X	g. Procedures for applying intermediate cover;
_	_____	___	X	h. Time frames for applying final cover;
_	_____	___	X	i. Procedures for controlling scavenging and salvaging.
___	_____	___	X	j. Description of litter policing methods;
___	_____	___	X	k. Erosion control procedures.
				8. Describe operational procedures for leachate management including; (62-701.500(8),FAC)
___	_____	X	___	a. Leachate level monitoring, sampling, analysis and data results submitted to the Department;
___	_____	X	___	b. Operation and maintenance of leachate collection and removal system, and treatment as required;
___	_____	X	___	c. Procedures for managing leachate if it becomes regulated as a hazardous waste;
___	_____	X	___	d. Agreements for off-site discharge and treatment of leachate;
___	_____	X	___	e. Contingency plan for managing leachate during emergencies or equipment problems;

S	LOCATION	N/A	N/C		PART L CONTINUED
___	_____	X	___		f. Procedures for recording quantities of leachate generated in gal/day and including this in the operating record;
___	_____	X	___		g. Procedures for comparing precipitation experienced at the landfill with leachate generation rates and including this information in the operating record;
___	_____	X	___		h. Procedures for water pressure cleaning or video inspecting leachate collection systems.
___	_____	___	X	9.	Describe how the landfill receiving degradable wastes shall implement a gas management system meeting the requirements of Rule 62-701.530, FAC; (62-701.500(9),FAC)
___	_____	___	X	10.	Describe procedures for operating and maintaining the landfill stormwater management system to comply with the requirements of Rule 62-701.400(9); (62-701.500(10),FAC)
				11.	Equipment and operation feature requirements; (62-701.500(11),FAC)
___	_____	___	X		a. Sufficient equipment for excavating, spreading, compacting and covering waste;
___	_____	___	X		b. Reserve equipment or arrangements to obtain additional equipment within 24 hours of breakdown;
___	_____	___	X		c. Communications equipment;
___	_____	___	X		d. Dust control methods;
___	_____	___	X		e. Fire protection capabilities and procedures for notifying local fire department authorities in emergencies;
___	_____	___	X		f. Litter control devices;
___	_____	___	X		g. Signs indicating operating authority, traffic flow, hours of operation, disposal restrictions.
___	_____	___	X	12.	Provide a description of all-weather access road, inside perimeter road and other roads necessary for access which shall be provided at the landfill; (62-701.500(12),FAC)
				13.	Additional record keeping and reporting requirements; (62-701.500(13),FAC)

S	LOCATION	N/A	N/C
_	_____	___	X
___	_____	___	X
___	_____	___	X
__	_____	___	X

PART L CONTINUED

a. Records used for developing permit applications and supplemental information maintained for the design period of the landfill;

b. Monitoring information, calibration and maintenance records, copies of reports required by permit maintained for at least 10 years;

c. Maintain annual estimates of the remaining life of constructed landfills and of other permitted areas not yet constructed and submit this estimate annually to the Department;

d. Procedures for archiving and retrieving records which are more than five year old.

M. WATER QUALITY AND LEACHATE MONITORING REQUIREMENTS (62-701.510, FAC)

S	LOCATION	N/A	N/C	
___	_____	___	___	1. Water quality and leachate monitoring plan shall be submitted describing the proposed ground water, surface water and leachate monitoring systems and shall meet at least the following requirements;
___	_____	___	___	a. Based on the information obtained in the hydrogeological investigation and signed, dated and sealed by the PG or PE who prepared it; (62-701.510(2)(a),FAC)
___	_____	___	___	b. All sampling and analysis preformed in accordance with Chapter 62-160, FAC; (62-701.510(2)(b),FAC)
				c. Ground water monitoring requirements; (62-701.510(3),FAC)
___	_____	___	___	(1) Detection wells located downgradient from and within 50 feet of disposal units;
___	_____	___	___	(2) Downgradient compliance wells as required;
___	_____	___	___	(3) Background wells screened in all aquifers below the landfill that may be affected by the landfill;
___	_____	___	___	(4) Location information for each monitoring well;
___	_____	___	___	(5) Well spacing no greater than 500 feet apart for downgradient wells and no greater than 1500 feet apart for upgradient wells unless site specific conditions justify alternate well spacings;
___	_____	___	___	(6) Well screen locations properly selected;
___	_____	___	___	(7) Procedures for properly abandoning monitoring wells;
___	_____	___	___	(8) Detailed description of detection sensors if proposed.

T. CERTIFICATION BY APPLICANT AND ENGINEER OR PUBLIC OFFICER

1. Applicant:

The undersigned applicant or authorized representative of Angelo's Aggregate Materials, Ltd. _____ is aware that statements made in this form and attached information are an application for a Class III Landfill Permit from the Florida Department of Environmental Protection and certifies that the information in this application is true, correct and complete to the best of his/her knowledge and belief. Further, the undersigned agrees to comply with the provisions of Chapter 403, Florida Statutes, and all rules and regulations of the Department. It is understood that the Permit is not transferable, and the Department will be notified prior to the sale or legal transfer of the permitted facility.

Signature of Applicant or Agent

John P. Arnold, Civil Engineer
Name and Title (please type)

john.phillip.arnold@gmail.com
E-Mail address (if available)

41111 Enterprise Road
Mailing Address

Dade City, Florida 33525-1539
City, State, Zip Code

(813) 477-1719
Telephone Number

Date: 7/17/09

Attach letter of authorization if agent is not a governmental official, owner, or corporate officer.

2. Professional Engineer registered in Florida (or Public Officer if authorized under Sections 403.707 and 403.7075, Florida Statutes):

This is to certify that the engineering features of this solid waste management facility have been designed/examined by me and found to conform to engineering principles applicable to such facilities. In my professional judgment, this facility, when properly maintained and operated, will comply with all applicable statutes of the State of Florida and rules of the Department. It is agreed that the undersigned will provide the applicant with a set of instructions of proper maintenance and operation of the facility.

Signature

Dennis A. Davis, P.E.
Name and Title (please type)

59299
Florida Registration Number
(please affix seal)

730 NE Waldo Road
Mailing Address

Gainesville, Florida 32641
City, State, Zip Code

ddavis@jonesedmunds.com
E-Mail address (if available)

(352) 377-5821
Telephone Number

Date: _____

ATTACHMENT 1

REVISED ENGINEERING REPORT PAGES

compliance testing have been approved. Acceptable test results means the results of the laboratory proctor and permeability tests indicate that the permeability of the material meets the requirements of the construction permit ($1x10^{-8}$ cm/s), and the optimum moisture content is not too high for the equipment to manage. Optimum moisute content for the on-site stockpiles has been approximately 13 to 20 percent. The dozer will compact the material in the bottom of the excavation and up the side slopes into the dozer track marks. After each lift is compacted with the dozer, a 12-ton, 84-inch vibratory sheeps-foot roller, or equivalent, will be used to roll the material. The daily activities will be recorded, including any the tie-in locations, thickness of each compacted lift, verification of the compaction and moisture content testing, verification of equipment used for compaction, and verification of dozer tracks at the tie-in surfaces (no smooth surfaces). Field logs and photographs documenting the field work will be provided to the Department. A topographic survey will confirm the finished floor grades.

Excavation will be such that 2H:1V slopes will only be encountered on the outer edge boundaries of the cells. A 3H:1V working face slope, beginning at the 2H:1V slope face, will be used for landfilling the waste.

3.8 METHOD OF CELL SEQUENCE

The landfill operation will progress in a series of cells as shown on Drawing Sheet C-5. Cell No. 1 will begin at the east portion of the site with material placed against the east slope with the first lift consisting of 10 feet deep fill. Cell No. 1 will then continue to the south along the east bank and extend approximately 550 feet out from the west slope. Each lift will be compacted as the waste is placed in the cell. The access road will be relocated to provide access to the next cell. The cell landfilling will continue in similar fashion until the cell reaches a height of one-half of the vertical height of the slope. Some areas of the cells may have partial lifts, based on these elevations. The working face shall not exceed a slope of 3H:1V and a width of 100 feet along the side slopes, however, once the waste elevation reaches a height of 125 feet, NGVD, the working face slope shall not exceed 4H:1V. The stormwater retention pond (Pond 1) will be constructed at this time, see SWMP Section 6. The north and west sides of completed Cell No. 1 stormwater will drain to the temporary pond, in the northeast corner of the site.

Cell #2 is the next 560-foot cell to the south of Cell #1. Cell sequencing will continue to the south (through Cell #2) and then move to the north and west of the filled areas for Cells 15, 3, 4, and a portion of Cell 5. Completion of cells 14, 16, and a portion of Cell 5 will entail filling the northeast temporary retention pond once the floor of the pond has been built up with clean soil to

the landfill base elevation of 80 feet NGVD in this portion of the landfill. The ponds constructed for completed cells within the buffer areas will approximately replace the stormwater capacity of the northeast temporary pond.

The sequence of filling operations are as follows (see Drawing Sheet C-5 and Sequence Drawing Sheets C-6 through C-13):

Sequence 1 — Fill Cells 1, 2, & 15 four 10- to 12-foot lifts (130-foot EL—3H:1V up to 125; 4H:1V from 125-130)).
Intermediate cover to be placed on slopesas constructed above grade

Sequence 2 — Fill portion of Cell 5 four 10- to 12-foot lifts (125-foot EL), against Cell 15.
Fill Cells 5 and 15 two lifts (145-foot EL)
Intermediate cover to be placed on above grade slopes

Sequence 3A — Fill Cell 4 four 10- to 12-foot lifts (110-foot EL) against Cell 5 and Cell 1 slopes
Intermediate cover to be placed on above grade slopes.

Sequence 3B — Fill Cell 3 four 10- to 12- foot lifts (110-foot EL) against Cell 4 and Cell 2 slopes. Intermediate cover to be placed on slopes as constructed above grade.

Sequence 4 — Fill Cells 3 and 4 four10- to 12-foot lifts (~~150~~155-foot EL).
Fill Cells 1 and 2 two 10- to 12-foot lifts (~~150~~155-foot EL)
Fill Cells 5 and 15 one lift (~~150~~155-foot EL).
Intermediate cover to be placed on above grade slopes.

Sequence 5 — Fill Cell 6 in ~~five~~four 10- to 12-foot lifts (~~140~~155-foot EL) against Cells 3, 4, and 5.
Intermediate cover to be placed on above grade slopes

Sequence 6 — Fill Cell 7 ~~seven~~four 10- to 12-foot lifts (~~160~~155-foot EL) against Cell 6 ~~and Cell 4~~ slopes.
~~Fill Cells 3, 4, and 6 one 10- to 12-foot lift (160-foot EL)~~
Intermediate cover to be placed on above grade slopes

Sequence 7 Fill Cell ~~8~~6 ~~seven~~one 10- to 12-foot lifts (160-foot EL) against Cells ~~7 and Cell~~3, 4, and 5 slopes.
Fill Cell 4 one lift (170-foot EL)
Fill Cell 5 one lift (160-foot EL)
Fill Cell 3 one lift (160-foot EL)
Intermediate cover to be placed on above grade slopes

Sequence 8 Fill Cells 9, 10, and 11 six or seven lifts (150 to 170-foot EL) against Cells ~~6, 7, and 8~~ slopes
Fill Cells 6 and 7 one 10- to 12-foot lift (170-foot EL)
Final cover to be placed on finished grades to maximum permitted height

Lift height includes cover material. Due to the landfill bottom elevation, some lifts may not be a full 10 feet in height. It is anticipated that filling each cell will take approximately 6 months to one year.

As each sequence is active, the following procedures will be followed.

- The access road to the working face will be constructed and graded as necessary.
- Waste will be compacted as it is placed. General lift height will be 10 feet and will come within three (3) feet of the final elevation to provide for final cover.
- The working face will remain approximately 100 feet in length.
- Weekly cover of six (6) inches of soil will be placed on the working face.
- Intermediate cover of 12 inches of soil will be placed in areas that will not receive waste within 180 days. The cover may be removed immediately prior to placement of new waste.
- Stormwater runoff from the interior of the excavation and filling area will be diverted to the onsite temporary storage pond using a temporary interior swale and 6-foot berm. Perimeter berms will direct stormwater away from excavation and filling areas. The temporary stormwater pond will receive runoff until Pond 3 is developed.

3.8.1 Vertical Expansion

The landfill is permitted to be completed from 125 to 175 feet NGVD. The final grading plan is shown on Drawing C-13. The finished grade will extend the existing hill eastward. A series of swales and other stormwater conveyance will be used to prevent side slope erosion, see Section 6.

The top (30H:1V) and side slope (4H:1V) designs provide for proper drainage and minimize rainfall infiltration into the landfill surface.

3.8.2 Erosion Control

The following engineering controls will be used to minimize erosion at the working face:

- Regrade a maximum of 100 linear feet of the outer edge slopes at a time to 2H:1V. The purpose of this recommendation is that a relatively small area will be subjected to surface erosion at any given time.

- Construct a berm along the top of the slope during the regrading to redirect any rainfall runoff away from the face of the slope. The area along the berm should be graded so as to allow rapid runoff along the top of the slope. Ponding of water near the top of the slope should not be allowed, since seepage through the slope may initiate slope erosion.

- As soon as possible following the construction of the clay liner, begin to fill against the 2H:1V slope with the landfill material.

3.8.3 Life Expectancy

Research of the U.S Census Bureau website reveals that the following Florida counties located within the service area of the facility are included in the 100 fastest growing counties in the U.S.

ATTACHMENT 2

REVISED OPERATIONS PLAN PAGES

All inspection shall be documented on the site's "Random Load Inspection Form," signed by the inspector, and kept in a current Log Book, see Appendix B. Log books will be maintained at the landfill for at least 3 years. Inspections shall be performed by trained site personnel.

5.6 Asbestos Waste Disposal

Asbestos-containing materials (ACM's) will be accepted for disposal in accordance with 40 CFR Part 61.154. Arrangements for disposal of ACM's between Enterprise RDF and the waste generator/hauler will be recorded in the operations record as to the quantity and date of shipment to the landfill. The loads are accepted at pre-arranged times during operational hours.

To ensure that all waste deposited at the Facility meets state and local requirements, all facility personnel shall receive training from their supervisor on the identification of unacceptable materials, which is any waste other than properly labeled and bagged ACM. Unregulated, non friable asbestos containing materials are not required to be bagged, but all other requirements are unchanged.

Each load of ACM arriving at the facility must be accompanied by a completed Waste Shipment Record (WSR) in accordance with 40 CFR 61.150. Each load will be inspected to insure that it is properly bagged, that bags are intact and properly sealed, and that the required warning labels and generator labels are affixed. Bags will not be opened prior to disposal.

ACM arriving at the Facility for disposal will be visually screened by facility personnel a minimum of two times. The first screening will be at the scales, controlling access to the Facility, where the truck drivers will be questioned as to the contents of the load and the shipping documents will be reviewed. The gate attendant will direct the drivers to the appropriate disposal area.

The second screening will be at the working face where a trained inspector/spotter will again question the driver and make a visual examination of the load prior to dumping and as it is dumped. This examination shall insure the ACM is properly bagged, the bags are intact and properly sealed, and that the warning labels and generator labels are affixed.

Enterprise RDF personnel will direct the waste hauler to the designated ACM disposal location in each cell, to be determined by the Operator or Site Manager. The ACM will be covered with 6-inches of soil at the end of any day that ACM is accepted. This designated ACM location will

be recorded and updated by the annual topographic survey in accordance with 40 CFR 61.154. ACM disposal records will be maintained for the life of the landfill and disposal locations documented in the Closure Report.

5.7 Recycling Operations

The Class III landfill does not intend to recycle. However, if recyclable wastes are incidentally received, such as metals, concrete rubble, asphalt, and wood wastes, the facility will separate them in stockpiles. Concrete and asphalt will be periodically transported off-site for crushing and returned, as needed, for on-site uses. Yard and wood wastes may be chipped for use onsite or be placed in roll-off containers for shipment to a wood recycler. If metals are collected, they will be temporarily stored in a 20-cubic-yard roll-off container in a designated area as shown on Drawing C-1. These materials will be removed from the site approximately every 6 months. However, if the capacity of the container is exceeded, the materials will be removed sooner.

Trucks identified at the entrance as carrying primarily recyclable products, (i.e., concrete, metal, wood, paper) will be refused entrance into the landfill. Incidental recyclable materials that are identified at the disposal area will be placed in containers located at the working face.

5.7.1 Reports

A Recovered Materials report will be submitted quarterly by type of waste recovered and tonnage to the FDEP and Pasco County Solid Waste Department. These reports will also be compiled into an annual report to the FDEP.

5.8 Wood Acceptance Area

Initial inspection will be performed at the scalehouse by the attendant. Wood wastes are stockpiled until processing takes place every 180 days. Personnel trained to identify and remove any unacceptable wastes will be present during processing. Unacceptable wastes, if found, will be removed prior to wood processing.

6.0 WEIGHING OR MEASURING INCOMING WASTE

A scale system is used as shown on the Site Plan. The scale will be calibrated every six (6) months. Trucks will be weighed as entering the disposal site, and based upon the tare weight of the vehicle, the waste tonnage will be determined. Prior to unloading debris, the tonnage of waste material disposed will be determined and the appropriate fee assessed.

6.1 Fee Schedule

The fee schedule for disposal varies depending on the client, type of waste and volume received.

Waste Type	Unit	Fee per Unit
Class III	CY	Variable

This fee schedule will be periodically revised according to the prevailing market for waste disposal. Enterprise RDF will notify Pasco County immediately in writing of all fee schedule changes.

7.0 VEHICLE TRAFFIC CONTROL AND UNLOADING

Generally, truck traffic will be controlled by first in - first out, as directed by the working face spotters when and where to dump. There will be adequate space for truck staging at the site's gate (7-8 trucks) to mitigate any backups toward and onto Enterprise Road. Enterprise RDF will discourage any truck staging prior to landfill opening. Signs will be posted at the entrance gate and on interior roads to guide mining truck traffic vs. landfill truck traffic to their appropriate areas of the site.

8.0 METHOD OF CELL SEQUENCE AND LIFE EXPECTANCY

8.1 Cell Sequence

The landfill operation will progress in a series of cells as shown on Drawing Sheet C-5. Cell No. 1 will begin at the east portion of the site with material placed against the east slope with the first lift consisting of 10 feet deep fill. Cell No. 1 will then continue to the south along the east bank and extend approximately 550 feet out from the west slope. Each lift will be compacted as the

waste is placed in the cell. The access road will be relocated to provide access to the next cell. The cell landfilling will continue in similar fashion until the cell reaches final grade less 3 feet. Some areas of the cells may have partial lifts, based on the final cell elevations. The working face shall not exceed a slope of 3H:1V and a width of 100 feet along the side slopes, however, once the waste elevation reaches a height of 125 feet, NGVD, the working face slope shall not exceed 4H:1V. The stormwater retention pond (Pond 1) will be constructed at this time. The north and west sides of completed Cell No. 1 stormwater will drain to the temporary pond, in the northeast corner of the site.

Cell #2 is the next 560-foot cell to the south of Cell #1. Cell sequencing will continue to the south (through Cell #2) and then move to the north and west of the filled areas for Cells 15, 5, 4, and Cell 3. Completion of cells 14, 16, and a portion of Cell 5 will entail filling the northeast temporary retention pond once the floor of the pond has been built up with clean soil to the landfill base elevation of 80 feet NGVD in this portion of the landfill. The ponds constructed for completed cells within the buffer areas will approximately replace the stormwater capacity of the northeast temporary pond.

The sequence of filling operations is as follows, (see Drawing Sheet C-5 and Sequence Drawing Sheets C-6 through C-13):

Sequence 1 Fill Cells 1, 2, & 15 four 10 to 12-foot lifts (130-foot EL). (Filled)
Intermediate cover to be placed on slopes as constructed above grade.

Sequence 2 Fill portion of Cell 5 four 10 to 12-foot lifts (125-foot EL), against Cell 15.
Fill Cells 5 and 15 two lifts (145-foot EL)

Sequence 3A Fill Cell 4 four 10- to 12-foot lifts (110-foot EL) against Cell 5 and Cell 1 slopes.
Intermediate cover to be placed on above grade slopes.

Sequence 3B Fill Cell 3 four 10- to 12-foot lifts (110-foot EL) against Cell 4 and Cell 2 slopes.
Intermediate cover to be placed on slopes as constructed above grade.

Sequence 4 Fill Cells 3 and 4 four 10- to 12-foot lifts (~~150~~155-foot EL).
Fill Cells 1 and 2 two 10- to 12-foot lifts (~~150~~155-foot EL).
Fill Cells 5 and 15 one lift (~~150~~155-foot EL).
Intermediate cover to be placed on above grade slopes.

Sequence 5 Fill Cell 6 in ~~five~~four 10- to 12-foot lifts (~~140~~155-foot EL) against Cells 3, 4, and 5.
Intermediate cover to be placed on above grade slopes.

Sequence 6 Fill Cell 7 ~~seven~~four 10-to 12-foot lifts (~~160~~155-foot EL), against Cell 6 ~~and Cell 4~~ slopes.
~~Fill Cells 3, 4, and 6 one 10- to 12-foot lift (160-foot EL)~~
Intermediate cover to be placed on above grade slopes.

Sequence 7 Fill Cell 6 ~~8 seven~~one 10- to 12-foot lifts (160-foot EL) against Cells ~~7 and Cell~~3, 4, and 5 slopes
Fill Cell 4 one lift (170-foot EL)
Fill Cell 5 one lift (160-foot EL)
Fill Cell 3 one lift (160-foot EL)
Intermediate cover to be placed on above grade slopes.

Sequence 8 Fill Cells 9, 10, and 11 six or seven lifts (150- to 170-foot EL) against Cells ~~6,~~ 7, ~~and 8~~ slopes
Fill Cells 6 and 7 one 10- to 12-foot lift (170-foot EL)
Final cover to be placed on finished grades to maximum permitted height.

Lift height includes cover material. Due to the landfill bottom elevation some lifts may not be a full 10 feet in height. It is anticipated that filling each cell will take approximately 6 months to 1 year.

As each sequence is active, the following procedures will be followed.

- The access road to the working face will be constructed and graded as necessary.
- Waste will be compacted as it is placed. General lift height will be 10 feet and will come within three (3) feet of the final elevation to provide for final cover.
- The working face will remain approximately 100 feet in length.
- Weekly cover of six (6) inches of soil will be placed on the working face.

- Intermediate cover of 12 inches of soil will be placed in areas that will not receive waste within 180 days. The cover may be removed immediately prior to placement of new waste.

Stormwater runoff on the interior of the excavation and filling area will be diverted to the onsite temporary storage pond using a temporary interior swale and 6-foot berm. Perimeter berms will direct stormwater away from excavation and filling areas. The temporary stormwater pond will receive runoff until Pond 3 is developed.

8.2 Erosion Control

The following engineering controls will be used to minimize erosion at the working face.

- Construct a berm along the top of the slope during the regrading to redirect any rainfall runoff away from the face of the slope. The area along the berm should be graded so as to allow rapid runoff along the top of the slope. Ponding of water near the top of the slope should not be allowed, since seepage through the slope may initiate slope erosion.

- As soon as possible following the construction of the clay liner, begin to fill against the 2H:1V slope with the landfill material.

In order to assist with erosion control of the intermediate cover as well as initial cover, the landfill may apply processed mulch over such covered areas to minimize erosion.

8.3 Life Expectancy

Research of the U.S Census Bureau website reveals that the following Florida counties located within the service area of the facility are included in the 100 fastest growing counties in the U.S. through 6/2005. In the last 5 years the counties and their respective growth rates are as follows: Pasco County (24.5%), Osceola County (34.3%), Lake County (31.6%), Hernando County (21.1%), and Sumter County (20.3%). In addition, the most recent estimates of growth rates in the last year show Citrus County, Hernando County, Hillsborough County, Lake County, Pasco County, Sumter County, Osceola County, and Polk County are growing between the rates of 3% through 6% per year. Demolition waste coming from current and proposed projects in Hillsborough and Pinellas County are increasing significantly as of late.

APPENDIX B

REVISED DRAWINGS

\\Jeacad\Drafting\01030 Angelo's Recycled Material\006 Class III Permit Modification\Permit Modification Drawings\0103000602-c08b.dwg

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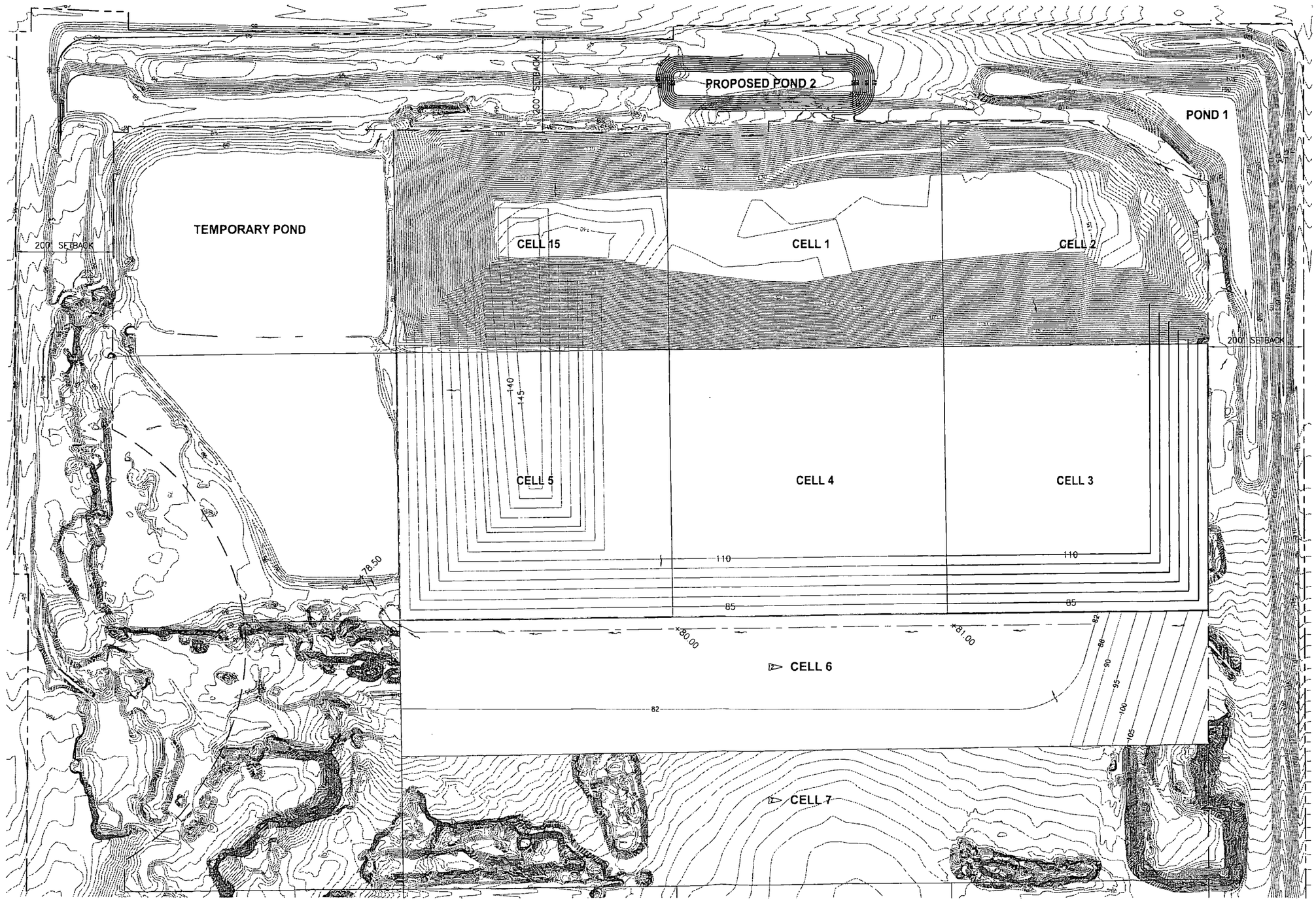

GRAPHIC SCALE

0 50 100 200

SCALE IN FEET
1"=100'

LEGEND

- PROPERTY BOUNDARY
- LANDFILL LIMITS
- CELL BOUNDARY
- FLOW ARROW
- APPROXIMATE FILLING SEQUENCE CONTOURS
- APPROXIMATE CENTER OF SWALE

NOTES:

1. THE CONTOURS IN CELL 6 REPRESENT THE MINING EXCAVATION GRADES.
2. THE CONTOURS IN CELL 3, 4, AND 5 SHOW THE APPROXIMATE CURRENT GRADES AS OF 7/9/09.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
AUG 07 2009
SOUTHWEST DISTRICT
TAMPA

LTR.	DATE	REVISIONS	BY	APPRD.
2	8/09	PERMIT MODIFICATION - 2	PEU	DAD
1	11/07	PERMIT MODIFICATION - THIS SHEET ADDED	ABG	DAD

DESIGNED TSM
DRAWN H2B
CHECKED DAD

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

ANGELO'S AGGREGATE MATERIALS, LTD.
ENTERPRISE RECYCLE AND DISPOSAL FACILITY

FILLING SEQUENCE 3B

CERTIFICATE OF AUTHORIZATION # 1841
APPROVED BY
DENNIS A. DAVIS
P.E. # 59299

DATE: NOV 2006
PROJECT NO.: 01030-005-01
SCALE: 1"=100'
DWG. NO.: C-8A

LAST SAVED: 8/5/2009 10:05 AM PUPSTILL

\\Jeacad\Drafting\01030 Angelo's Recycled Material\006 Class III Permit Modification\Permit Modification Drawings\0103000602-c09.dwg

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PROPOSED POND 2

POND 1

TEMPORARY POND

200' SETBACK

CELL 15

CELL 1

CELL 2

CELL 5

CELL 4

CELL 3

CELL 6

CELL 7

78.50

80.00

81.00

GRAPHIC SCALE

0 50 100 200

SCALE IN FEET
1"=100'

LEGEND

- PROPERTY BOUNDARY
- LANDFILL LIMITS
- CELL BOUNDARY
- FLOW ARROW
- APPROXIMATE FILLING SEQUENCE CONTOURS
- APPROXIMATE CENTER OF SWALE

NOTES:
1. THE CONTOURS IN CELLS 6 REPRESENT THE TOP OF CLAY ELEVATION FOR CELL CONSTRUCTION.
2. THE CONTOURS IN CELL 7 REPRESENT THE MINING EXCAVATION GRADES.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
AUG 07 2009
SOUTHWEST DISTRICT
TAMPA

LAST SAVED: 8/5/2009 8:30 AM PUPSTILL

LTR.	DATE	REVISIONS	BY	APPRD.
2	8/09	PERMIT MODIFICATION 2	PCU	DAD
1	11/07	PERMIT MODIFICATION	ARG	DAD

DESIGNED TSM
DRAWN H2B
CHECKED DAD

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

ANGELO'S AGGREGATE MATERIALS, LTD.
ENTERPRISE RECYCLE AND DISPOSAL FACILITY

FILLING SEQUENCE 4

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
DENNIS A. DAVIS
P.E. # 59299

DATE	PROJECT NO.
NOV 2006	01030-005-01
SCALE 1"=100'	DWG. NO. C-9

\\Jeocad\Drafting\01030 Angelo's Recycled Material\006 Class III Permit Modification\Permit Modification Drawings\0103000602-c10.dwg

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PROPOSED POND 2

POND 1

TEMPORARY POND

200' SETBACK

CELL 15

CELL 1

CELL 2

CELL 5

CELL 4

CELL 3

CELL 6

CELL 7

GRAPHIC SCALE
0 50 100 200
SCALE IN FEET
1"=100'

LEGEND
- PROPERTY BOUNDARY
- LANDFILL LIMITS
- CELL BOUNDARY
- FLOW ARROW
- APPROXIMATE FILLING SEQUENCE CONTOURS
- APPROXIMATE CENTER OF SWALE

NOTES:
1. THE CONTOURS IN CELLS 7 REPRESENT THE TOP OF CLAY ELEVATION FOR CONSTRUCTION.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
AUG 07 2009
SOUTHWEST DISTRICT
TAMPA

LAST SAVED: 8/5/2009 8:31 AM PUPSTILL

LTR.	DATE	REVISIONS	BY	APPRD.
2	8/09	PERMIT MODIFICATION 2	PEU	DAD

DESIGNED TSM
DRAWN H2B
CHECKED DAD

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

ANGELO'S AGGREGATE MATERIALS, LTD.
ENTERPRISE RECYCLE AND DISPOSAL FACILITY

FILLING SEQUENCE 5

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
DENNIS A. DAVIS
P.E. # 59299

DATE: NOV 2006
PROJECT NO.: 01030-005-01
SCALE: 1"=100'
DWG. NO.: C-10

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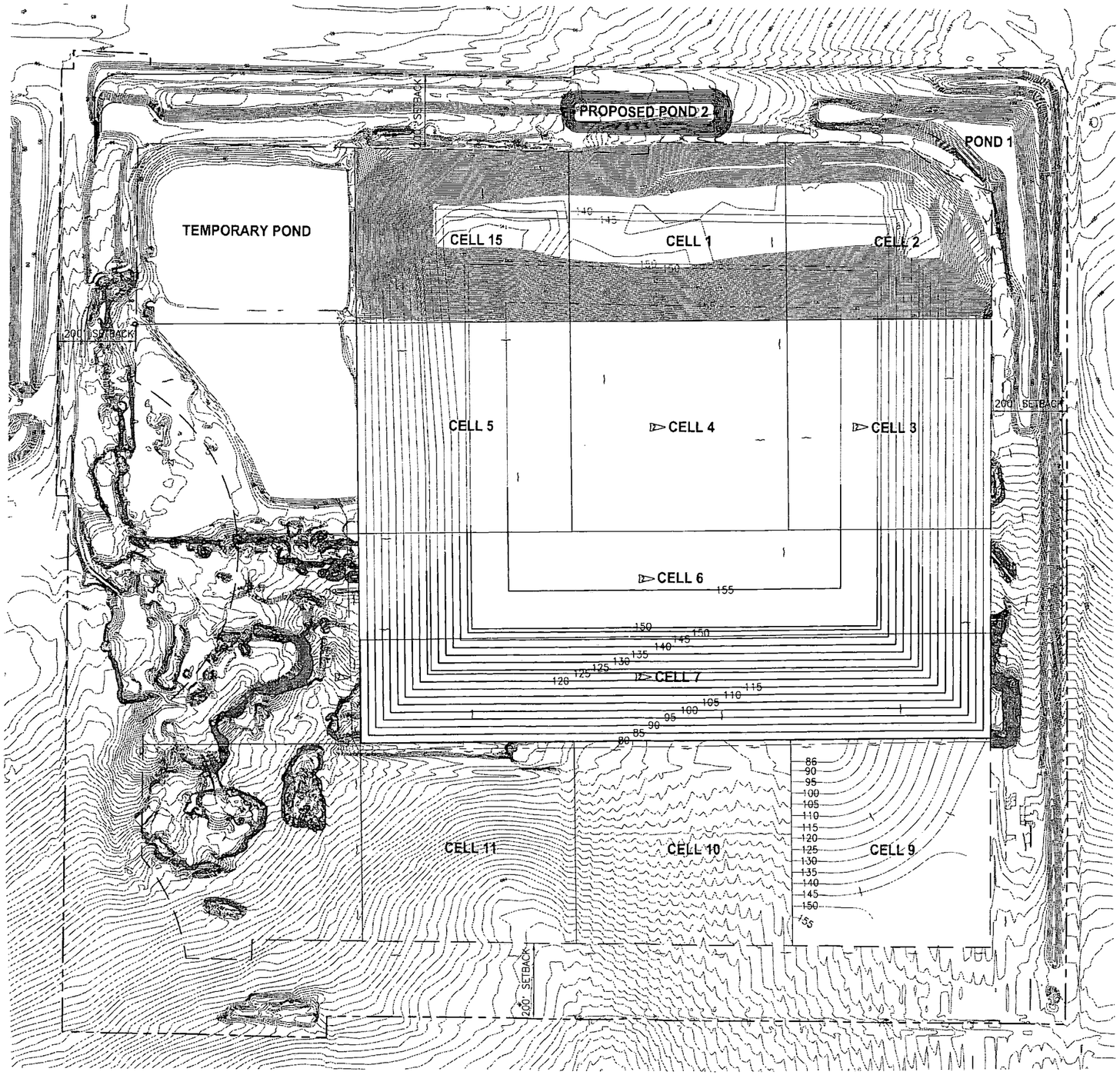

N

GRAPHIC SCALE

0 75 150 300

SCALE IN FEET
1"=150'

LEGEND

- PROPERTY BOUNDARY
- LANDFILL LIMITS
- CELL BOUNDARY
- FLOW ARROW
- APPROXIMATE FILLING SEQUENCE CONTOURS
- APPROXIMATE CENTER OF SWALE

▷ NOTE:
1. THE CONTOURS IN CELL 9 REPRESENT THE MINING EXCAVATION GRADES.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
AUG 07 2009
SOUTHWEST DISTRICT
TAMPA

LTR.	DATE	REVISIONS	BY	APPRD.
▷	8/09	PERMIT MODIFICATION 2	PEU	DAD

DESIGNED TSM
DRAWN H2B
CHECKED DAD

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

ANGELO'S AGGREGATE MATERIALS, LTD.
ENTERPRISE RECYCLE AND DISPOSAL FACILITY

FILLING SEQUENCE 6

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
DENNIS A. DAVIS
P.E. # 59299

DATE: NOV 2006
SCALE: 1"=150'
PROJECT NO.: 01030-005-01
DWG. NO.: C-11

LAST SAVED: 8/5/2009 10:07 AM PUPSTILL

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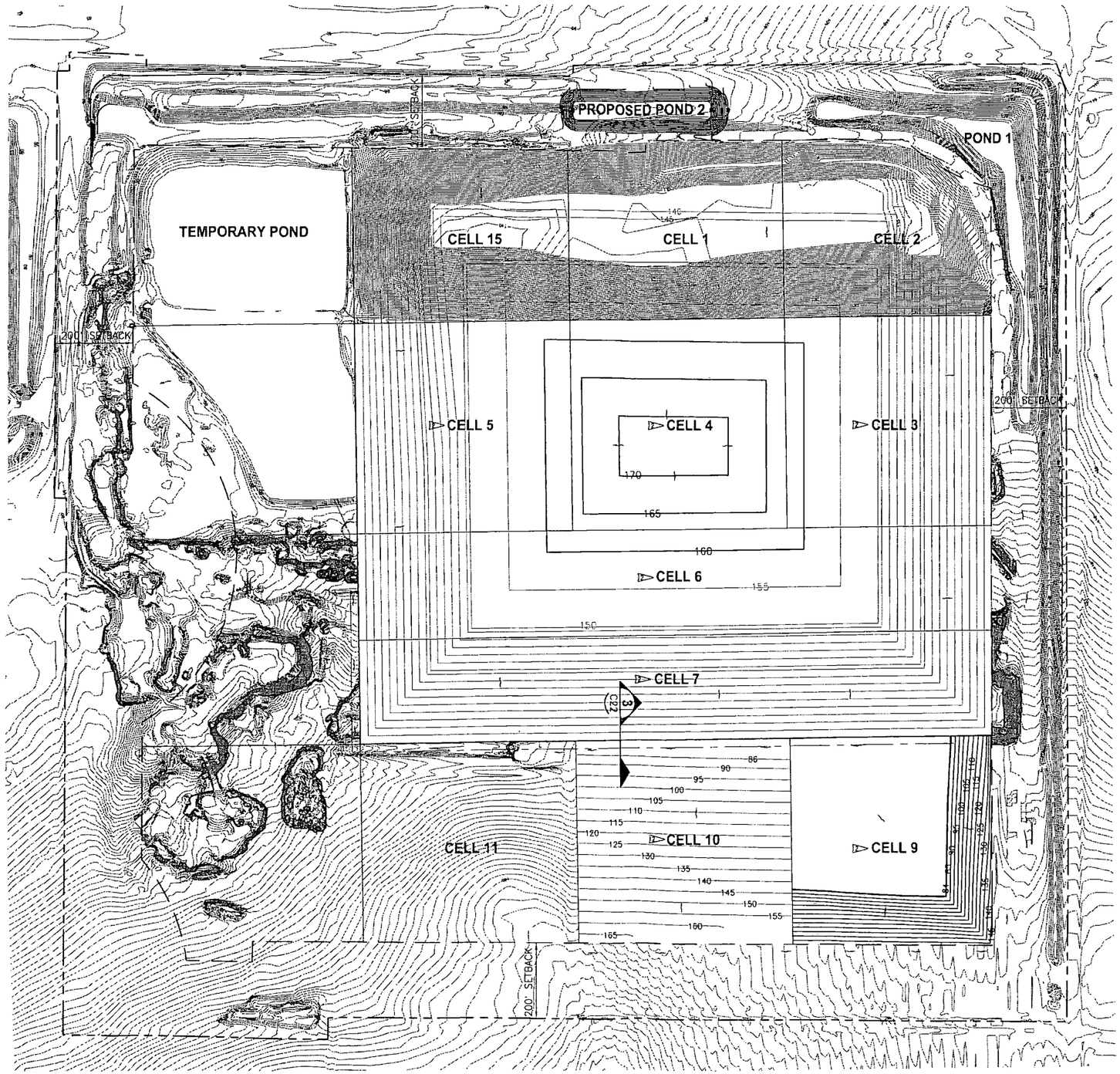


GRAPHIC SCALE

0 75 150 300

SCALE IN FEET
1"=150'

LEGEND

- PROPERTY BOUNDARY
- LANDFILL LIMITS
- CELL BOUNDARY
- FLOW ARROW
- APPROXIMATE FILLING SEQUENCE CONTOURS
- APPROXIMATE CENTER OF SWALE

NOTES:
1. THE CONTOURS IN CELL 9 REPRESENT THE TOP OF CLAY ELEVATION FOR CELL CONSTRUCTION.
2. THE CONTOURS IN CELL 10 REPRESENT THE MINING EXCAVATION GRADES.

LTR.	DATE	REVISIONS	BY	APPRD.
2	8/09	PERMIT MODIFICATION 2	PEU	DAD

DESIGNED TSM
DRAWN H2B
CHECKED DAD

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

ANGELO'S AGGREGATE MATERIALS, LTD.
ENTERPRISE RECYCLE AND DISPOSAL FACILITY

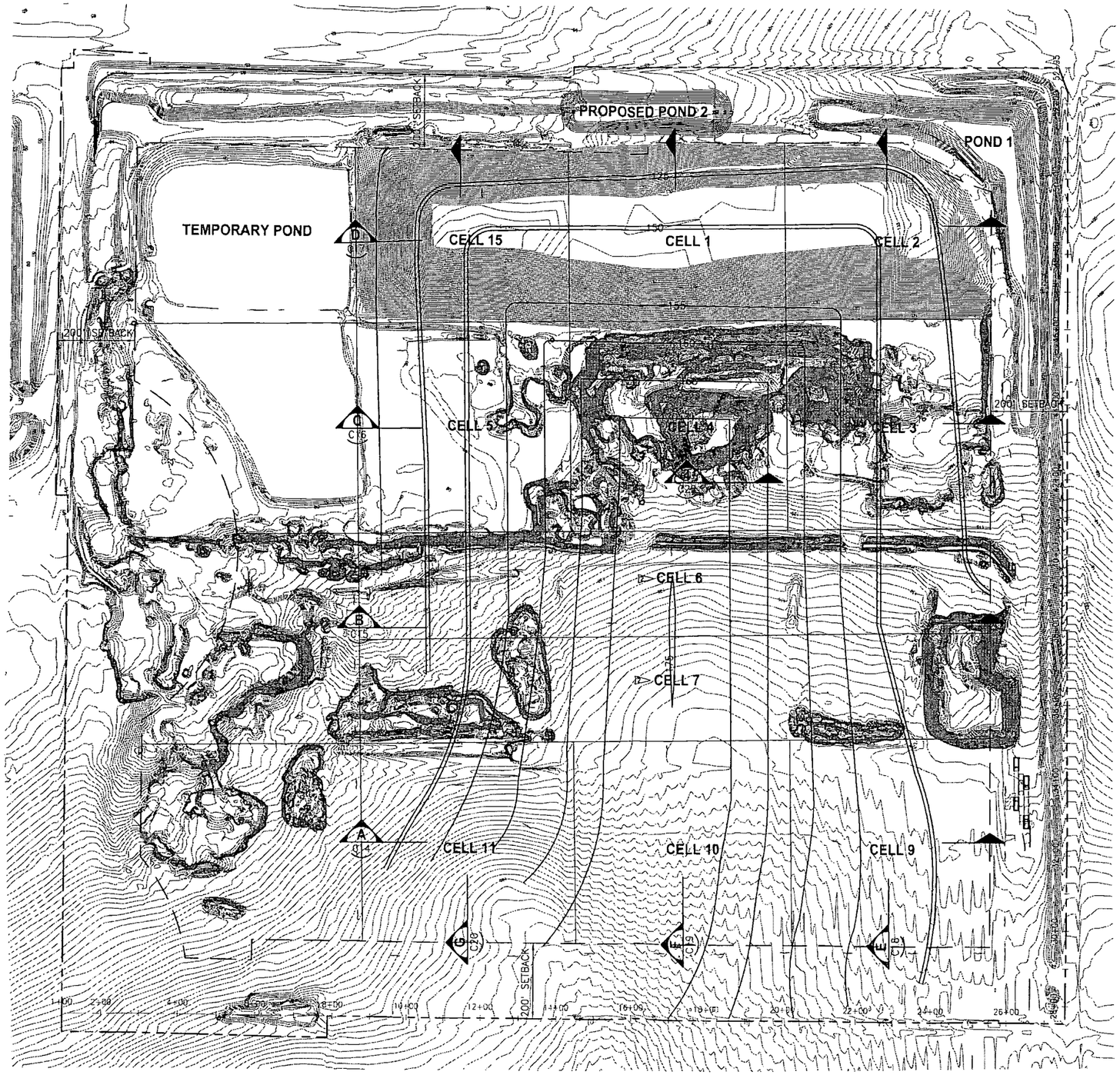
FILLING SEQUENCE 7

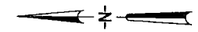
CERTIFICATE OF AUTHORIZATION # 1841
APPROVED BY
DENNIS A. DAVIS
P.E. # 59299

DATE: NOV 2006
SCALE: 1"=150'
PROJECT NO.: 01030-005-01
DWG. NO.: C-12

Plotted: 8/05/09 10:30am pupstill

LAST SAVED: 8/5/2009 10:08 AM PUPSTILL





GRAPHIC SCALE

0 75 150 300

SCALE IN FEET
1"=150'

LEGEND

- PROPERTY BOUNDARY
- LANDFILL LIMITS
- CELL BOUNDARY
- FLOW ARROW
- APPROXIMATE FILLING SEQUENCE CONTOURS

LTR.	DATE	REVISIONS	BY	APPRD.
2	8/09	PERMIT MODIFICATION 2	PEU	DAD

DESIGNED TSM
DRAWN H2B
CHECKED DAD

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

ANGELO'S AGGREGATE MATERIALS, LTD.
ENTERPRISE RECYCLE AND DISPOSAL FACILITY

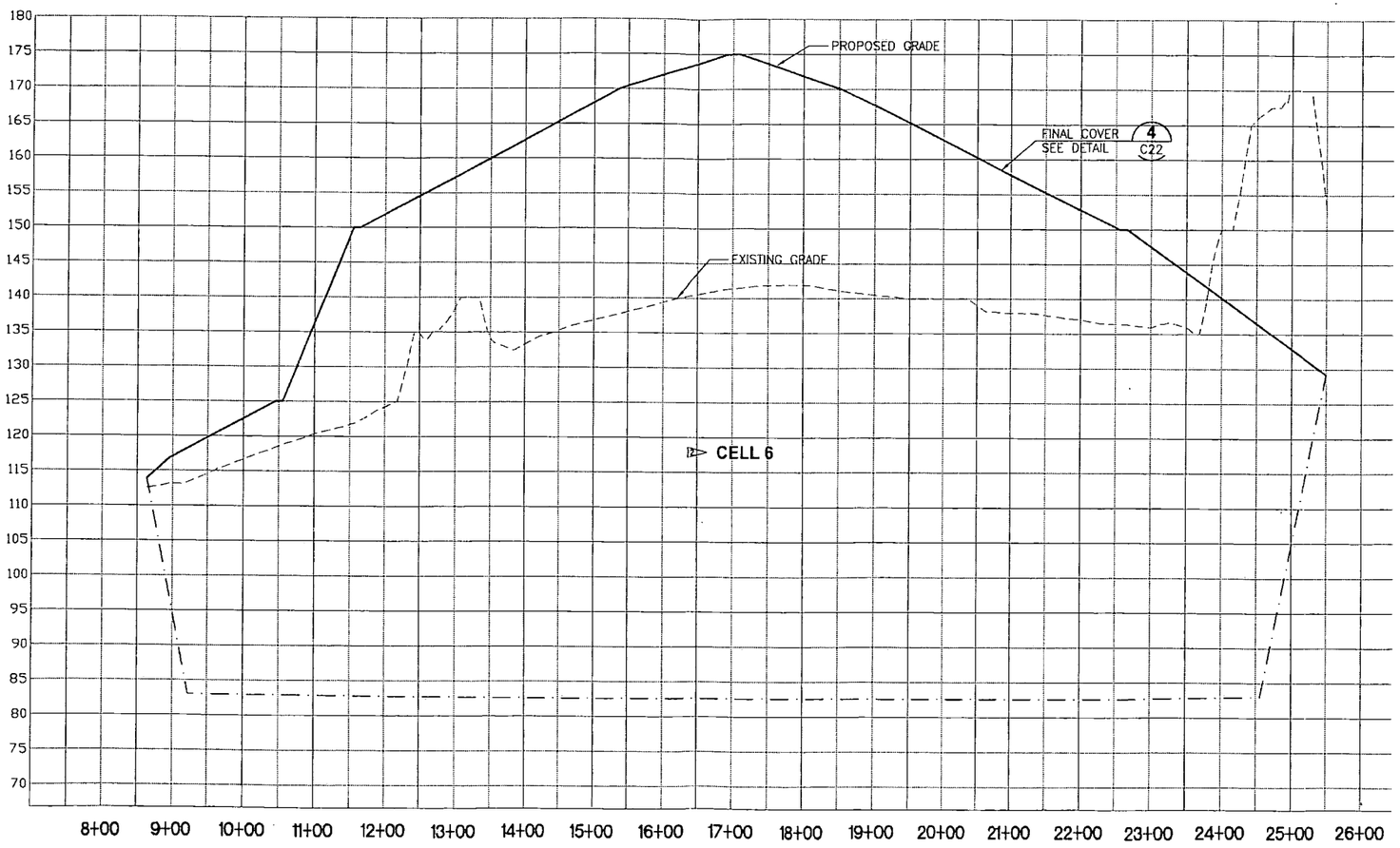
FILLING SEQUENCE 8

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
DENNIS A. DAVIS
P.E. # 59299

DATE	PROJECT NO.
NOV 2006	01030-005-01
SCALE	DWG. NO.
1"=150'	C-13

GRAPHIC SCALE
0 5 10 20
SCALE IN FEET
1"=10'

GRAPHIC SCALE
0 50 100 200
SCALE IN FEET
1"=100'



SECTION B (C13)
1"=10' V
1"=100' H

LEGEND
- EXISTING GRADE
- EXCAVATION GRADE
- FINAL GRADE
- CELL 6

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
AUG 07 2009
SOUTHWEST DISTRICT TAMPA

LTR.	DATE	REVISIONS	PEU BY	DAD APPRD.
2	8/09	PERMIT MODIFICATION 2		

DESIGNED TSM
DRAWN H2B
CHECKED DAD

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

ANGELO'S AGGREGATE MATERIALS, LTD.
ENTERPRISE RECYCLE AND DISPOSAL FACILITY

LANDFILL SECTIONS

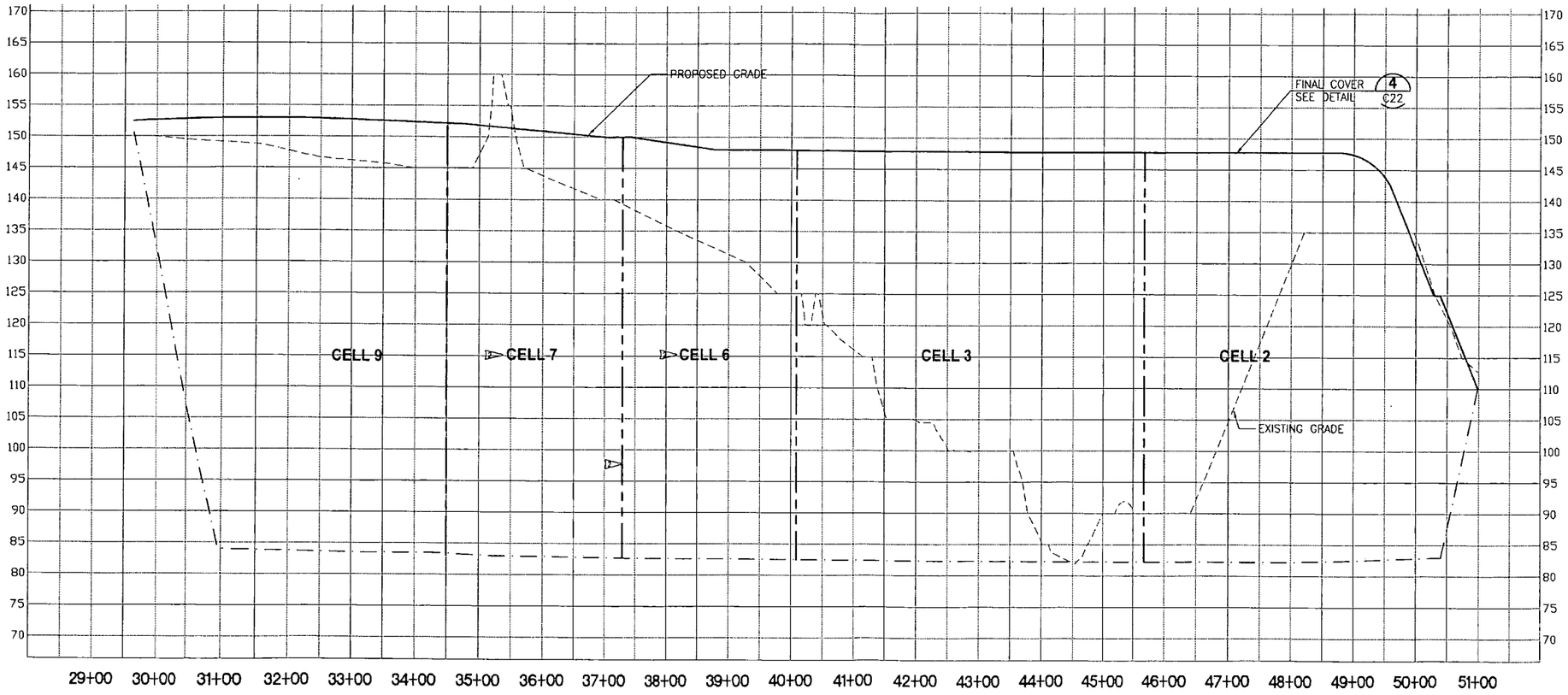
CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
DENNIS A. DAVIS
P.E. # 59299

DATE: NOV 2006
SCALE: H: 1"=100' V: 1"=10'
PROJECT NO.: 01030-005-01
DWG. NO.: C-15

LAST SAVED: 8/5/2009 8:35 AM PUPSTILL

GRAPHIC SCALE
0 5 10 20
SCALE IN FEET
1" = 10'

GRAPHIC SCALE
0 50 100 200
SCALE IN FEET
1" = 100'



LEGEND
- EXISTING GRADE
- EXCAVATION GRADE
- FINAL GRADE
- CELL DIVISION

SECTION E
C13
1" = 10' V
1" = 100' H

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
AUG 07 2009
SOUTHWEST DISTRICT
TAMPA

LTR.	DATE	REVISIONS	BY	APPRD.
2	8/09	PERMIT MODIFICATION 2	PEU	DAD

DESIGNED TSM
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CHECKED DAD

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730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

ANGELO'S AGGREGATE MATERIALS, LTD.
ENTERPRISE RECYCLE AND DISPOSAL FACILITY

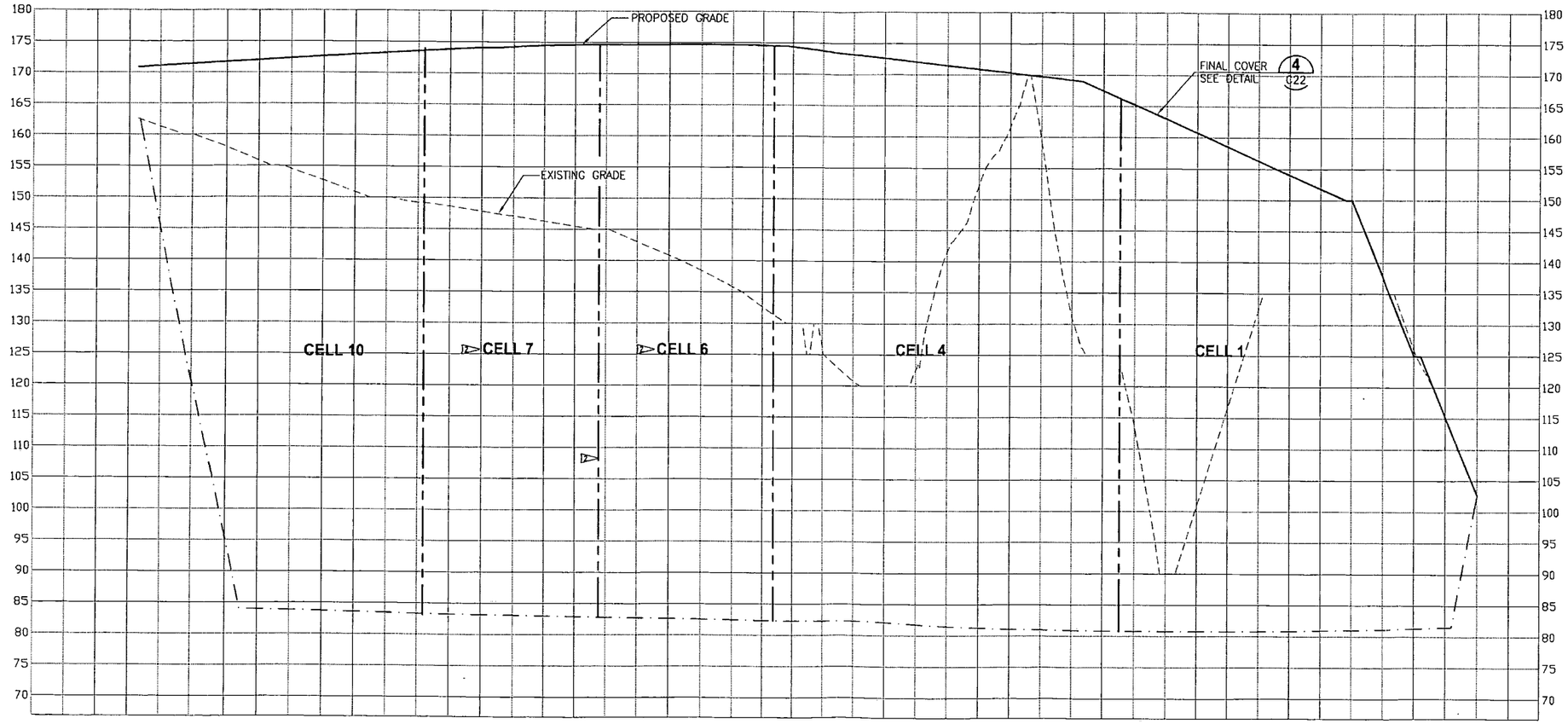
LANDFILL SECTIONS

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
DENNIS A. DAVIS
P.E. # 59299

DATE: NOV 2006
SCALE: H: 1" = 100' V: 1" = 10'
PROJECT NO.: 01030-005-01
DWG. NO.: C-18

GRAPHIC SCALE
0 5 10 20
SCALE IN FEET
1" = 10'

GRAPHIC SCALE
0 50 100 200
SCALE IN FEET
1" = 100'



LEGEND

- EXISTING GRADE
- EXCAVATION GRADE
- FINAL GRADE
- CELL DIVISION

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
AUG 07 2009
SOUTHWEST DISTRICT TAMPA

SECTION F (C13)

1" = 10' V
1" = 100' H

LTR.	DATE	REVISIONS	BY	APPRD.
2	8/09	PERMIT MODIFICATION 2	PEU	DAD

DESIGNED TSM
DRAWN H2B
CHECKED DAD

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ANGELO'S AGGREGATE MATERIALS, LTD.
ENTERPRISE RECYCLE AND DISPOSAL FACILITY

LANDFILL SECTIONS

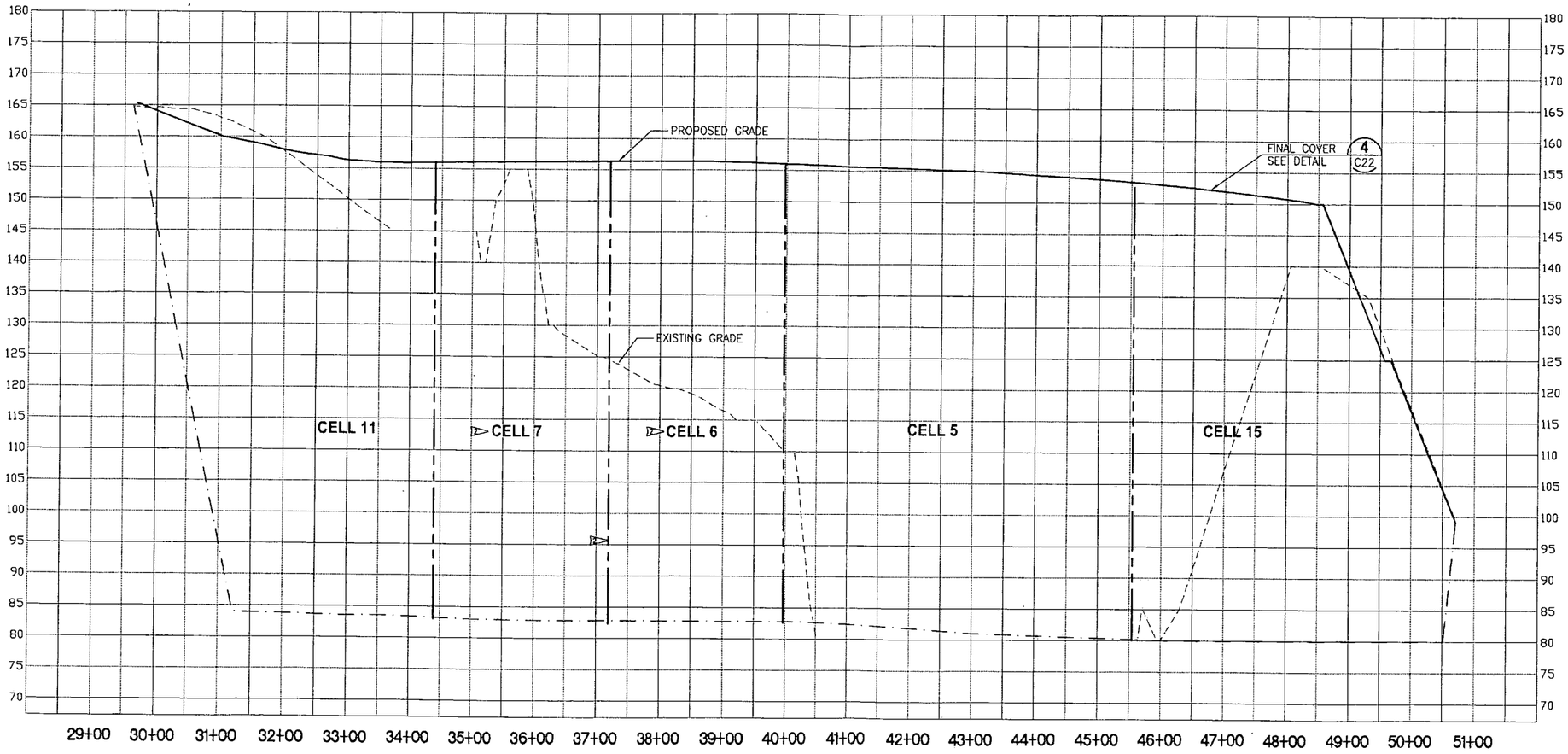
CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
DENNIS A. DAVIS
P.E. # 59299

DATE: NOV 2006
PROJECT NO.: 01030-005-01
SCALE: H: 1" = 100' V: 1" = 10'
DWG. NO.: C-19

LAST SAVED: 8/5/2009 8:37 AM PUPSTILL

GRAPHIC SCALE
0 5 10 20
SCALE IN FEET
1" = 10'

GRAPHIC SCALE
0 50 100 200
SCALE IN FEET
1" = 100'



LEGEND
- EXISTING GRADE
- EXCAVATION GRADE
- FINAL GRADE
- CELL DIVISION

SECTION G (C13)
1" = 10' V
1" = 100' H

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
AUG 07 2009
SOUTHWEST DISTRICT TAMPA

LTR.	DATE	REVISIONS	BY	APPRD.
2	8/09	PERMIT MODIFICATION 2	PEU	DAD

DESIGNED TSM
DRAWN H2B
CHECKED DAD

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ENTERPRISE RECYCLE AND DISPOSAL FACILITY

LANDFILL SECTIONS

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
DENNIS A. DAVIS
P.E. # 59299

DATE NOV 2006
SCALE H: 1" = 100' V: 1" = 10'
PROJECT NO. 01030-005-01
DWG. NO. C-20

LAST SAVED: 8/5/2009 10:08 AM PUPSTILL