



August 6, 2009

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

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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

☐ Ash Monofill

☐ Class II Landfill

☐ Asbestos Monofill

☒ Class III Landfill

☐ Industrial Solid Waste

☐ Other Describe: _____

☐ 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

☐ Substantial Modification

☐ Renewal

☐ 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 yds³/day _____ tons/day _____ gallons/day

B. DISPOSAL FACILITY GENERAL INFORMATION

1. Provide brief description of disposal facility design and operations planned under 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 \$/yds³ _____ \$/ton

7. Surrounding land use, zoning:

☒ Residential	☒ Industrial
☒ Agricultural	☐ None
☐ Commercial	☐ Other Describe: _____

8. Types of waste received:

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

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
14. 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 | ☐ Double geomembrane |
| ☒ Single clay liner | ☐ Geomembrane & composite |
| ☐ Single geomembrane | ☐ Double composite |
| ☐ Single composite | ☐ None |
| ☐ Slurry wall | |
| ☐ Other Describe: _____ | |
22. Leachate collection method:
- | | |
|--|---|
| ☐ Collection pipes | ☐ Sand layer |
| ☐ Geonets | ☐ Gravel layer |
| ☐ Well points | ☐ Interceptor trench |
| ☐ Perimeter ditch | ☒ None |
| ☐ Other Describe: _____ | |
23. Leachate storage method:
- | | |
|--|------------|
| ☐ Tanks | |
| ☐ Surface impoundments | |
| ☐ Other Describe: _____ | N/A |
24. Leachate treatment method:
- | | |
|--------------------------------------|---|
| ☐ Oxidation | ☐ Chemical treatment |
| ☐ Secondary | ☐ Settling |
| ☐ Advanced | |
| ☐ None | |
| ☐ Other _____ | N/A |

25. Leachate disposal method:

- | | |
|--|--|
| ☐ Recirculated | ☐ Pumped to WWTP |
| ☐ Transported to WWTP | ☐ Discharged to surface water |
| ☐ Injection well | ☐ Percolation ponds |
| ☐ Evaporation | |
| ☐ Other | 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)

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>	
—	—	—	—	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)

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>	
<u>X</u>	<u> </u>	<u> </u>	<u> </u>	1. Four copies, at minimum, of the completed application form, all supporting data and reports; (62-701.320(5)(a), FAC)
<u>X</u>	<u> </u>	<u> </u>	<u> </u>	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)
<u>X</u>	<u> </u>	<u> </u>	<u> </u>	3. A letter of transmittal to the Department; (62-701.320(7)(a), FAC)
<u>X</u>	<u>Appendix A</u>	<u> </u>	<u> </u>	4. A completed application form dated and signed by the applicant; (62-701.320(7)(b), FAC)
<u> </u>	<u>With Cover Letter</u>	<u> </u>	<u> </u>	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)
<u>X</u>	<u>Attachment 1</u>	<u> </u>	<u> </u>	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)
<u>X</u>	<u>Attachment 2</u>	<u> </u>	<u> </u>	7. Operation Plan and Closure Plan; (62-701.320(7)(e)1, FAC)
<u> </u>	<u> </u>	<u> </u>	<u>X</u>	8. Contingency Plan; (62-701.320(7)(e)2, FAC)
<u> </u>	<u> </u>	<u> </u>	<u> </u>	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)
<u> </u>	<u> </u>	<u> </u>	<u>X</u>	a. A regional map or plan with the project location;
<u> </u>	<u> </u>	<u> </u>	<u>X</u>	b. A vicinity map or aerial photograph no more than 1 year old;
<u> </u>	<u> </u>	<u> </u>	<u>X</u>	c. A site plan showing all property boundaries certified by a registered Florida land surveyor;

S LOCATION N/A N/C

PART E CONTINUED

- | | | | | |
|-------|-------|----------|----------|--|
| _____ | _____ | _____ | <u>X</u> | d. Other necessary details to support the engineering report. |
| _____ | _____ | _____ | <u>X</u> | 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) |
| _____ | _____ | <u>X</u> | _____ | 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) |
| _____ | _____ | _____ | <u>X</u> | 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) |
| _____ | _____ | <u>X</u> | _____ | 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) |
| _____ | _____ | _____ | <u>X</u> | 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) |
| _____ | _____ | _____ | <u>X</u> | 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)

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>	
_____	_____	_____	_____	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)

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>	
_____	_____	_____	_____	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)

			<u>X</u>	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)
			<u>X</u>	a.	Designating responsible operating and maintenance personnel;
			<u>X</u>	b.	Contingency operations for emergencies;
			<u>X</u>	c.	Controlling types of waste received at the landfill;
			<u>X</u>	d.	Weighing incoming waste;
			<u>X</u>	e.	Vehicle traffic control and unloading;
<u>X</u>	<u>Attachments 1 and 2</u>			f.	Method and sequence of filling waste;
			<u>X</u>	g.	Waste compaction and application of cover;
			<u>X</u>	h.	Operations of gas, leachate, and stormwater controls;
			<u>X</u>	i.	Water quality monitoring.
		<u>X</u>		j.	Maintaining and cleaning the leachate collection system;
			<u>X</u>	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)
			<u>X</u>	4.	Describe the waste records that will be compiled monthly and provided to the Department quarterly; (62-701.500(4), FAC)
			<u>X</u>	5.	Describe methods of access control; (62-701.500(5), FAC)
			<u>X</u>	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)
			<u>X</u>	a.	Waste layer thickness and compaction frequencies;

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>	PART I CONTINUED	
_____	_____	<u>X</u>	_____	f.	Procedures for recording quantities of leachate generated in gal/day and including this in the operating record;
_____	_____	<u>X</u>	_____	g.	Procedures for comparing precipitation experienced at the landfill with leachate generation rates and including this information in the operating record;
_____	_____	<u>X</u>	_____	h.	Procedures for water pressure cleaning or video inspecting leachate collection systems.
_____	_____	_____	<u>X</u>	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)
_____	_____	_____	<u>X</u>	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)
_____	_____	_____	<u>X</u>	a.	Sufficient equipment for excavating, spreading, compacting and covering waste;
_____	_____	_____	<u>X</u>	b.	Reserve equipment or arrangements to obtain additional equipment within 24 hours of breakdown;
_____	_____	_____	<u>X</u>	c.	Communications equipment;
_____	_____	_____	<u>X</u>	d.	Dust control methods;
_____	_____	_____	<u>X</u>	e.	Fire protection capabilities and procedures for notifying local fire department authorities in emergencies;
_____	_____	_____	<u>X</u>	f.	Litter control devices;
_____	_____	_____	<u>X</u>	g.	Signs indicating operating authority, traffic flow, hours of operation, disposal restrictions.
_____	_____	_____	<u>X</u>	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)

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>
—	—	—	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)

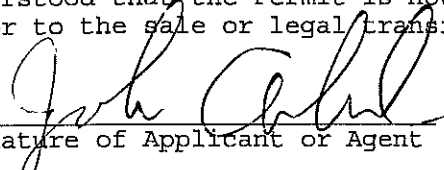
<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>	
_____	_____	_____	_____	1. Water quality and leachate monitoring plan shall be submitted describing the proposed ground water, surface water and leachate monitoring systems and shall meet at least the following requirements;
_____	_____	_____	_____	a. Based 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 performed 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

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)

8/5/09

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 (1×10^{-8} cm/s), and the optimum moisture content is not too high for the equipment to manage. Optimum moisture 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 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)
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 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 ~~8~~6 ~~seven~~one 10- to 12-foot lifts (160-foot EL) against Cells ~~7~~ and ~~Cells~~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.

<u>Waste Type</u>	<u>Unit</u>	<u>Fee per Unit</u>
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

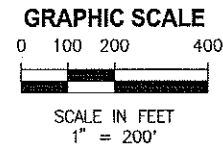
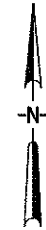
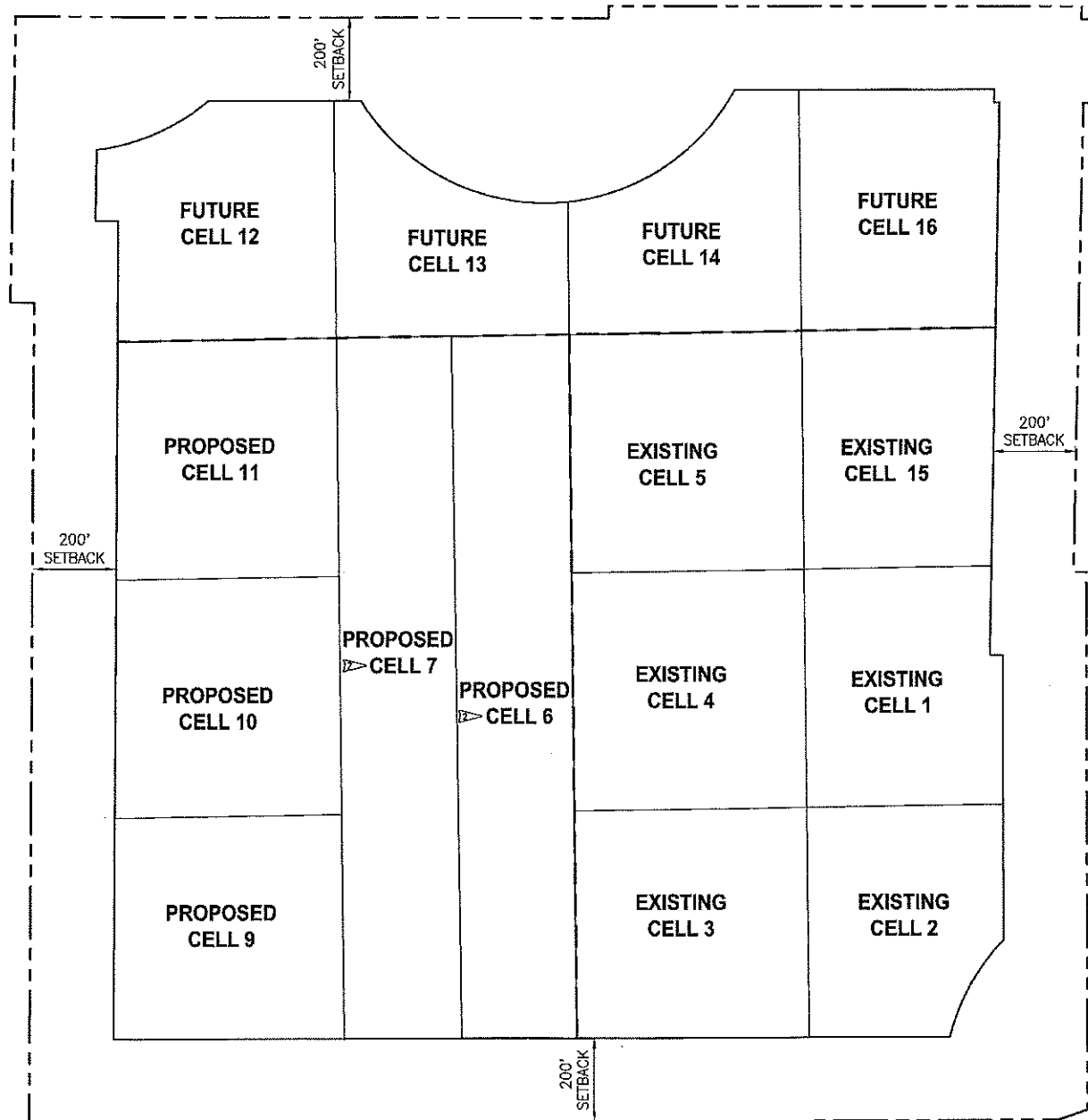
Research of the U.S Census Bureau website reveals that the following Florida counties located within the service area of the facility are included in the 100 fastest growing counties in the U.S. through 6/2005. In the last 5 years the counties and their respective growth rates are as follows: Pasco County (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

Plotted: 8/05/09 10:28am pupstill

LAST SAVED: 8/5/2009 10:03 AM PUPSTILL



LEGEND

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

GENERAL NOTES

- DRAWINGS C-5 THROUGH C-13 ARE PROVIDED TO SHOW THE MINING EXCAVATION, CELL FLOOR GRADING, INTERIOR CELL DRAINAGE, AND LANDFILL FILLING SEQUENCING.
- 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.
- 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).
- 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	9, 10, 11	10/2011

NOTE:

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

DESIGNED	TSM
DRAWN	H2B
CHECKED	DAD
LTR.	DATE
8/09	PERMIT MODIFICATION 2
PEI	DD
BY	APPROD.



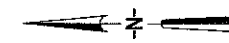
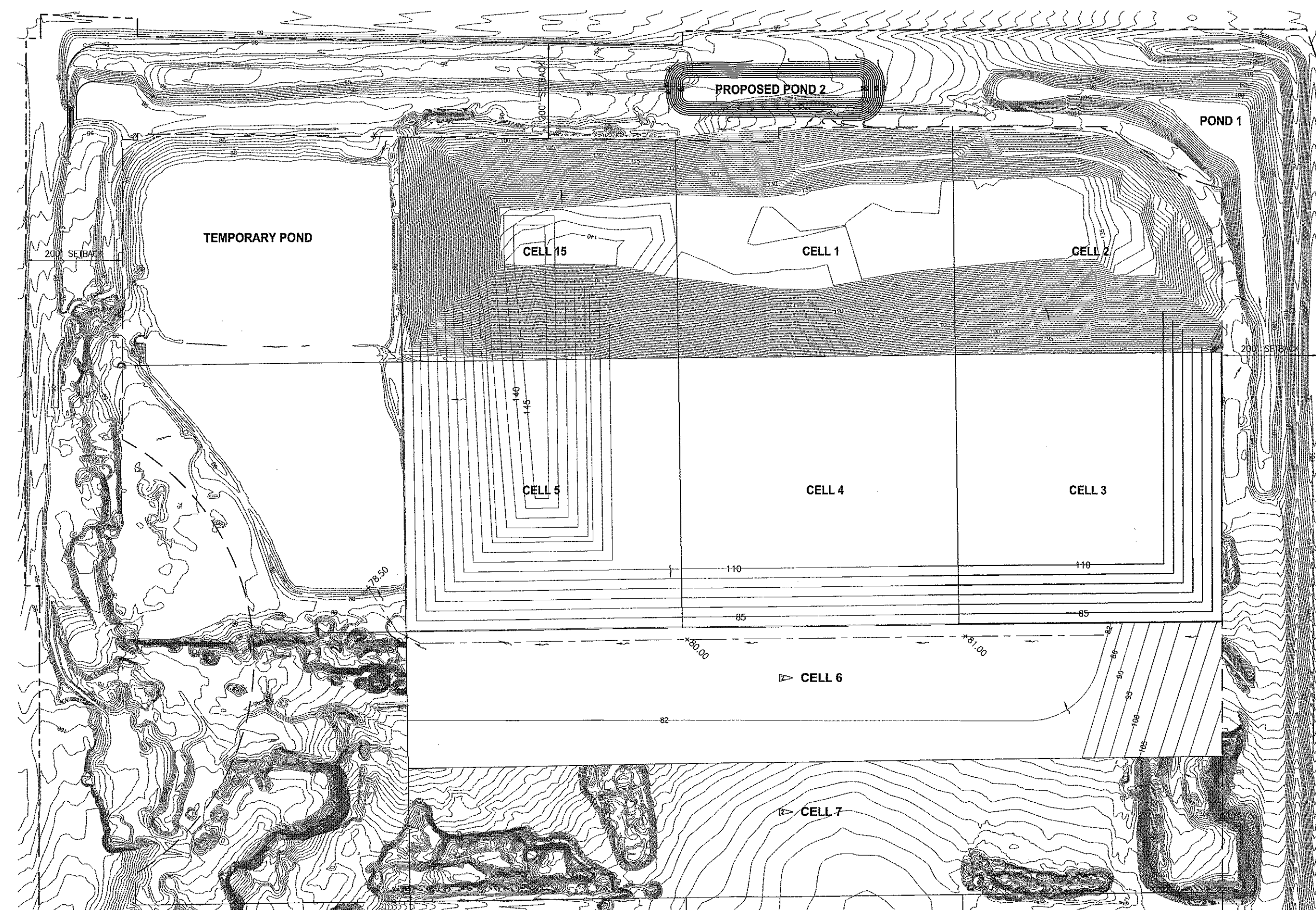
ANGELO'S AGGREGATE MATERIALS, LTD.
ENTERPRISE RECYCLE AND DISPOSAL FACILITY

CELL PHASING SEQUENCE

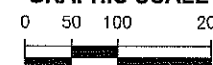
CERTIFICATE OF AUTHORIZATION #1841	DATE	PROJECT NO.
APPROVED BY	NOV 2006	01030-005-01
DENNIS A. DAVIS	SCALE	DWG. NO.
P.E. # 59299	1"=200'	C-5

Plotted: 8/05/09 10:28am pupstill

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



GRAPHIC SCALE



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.

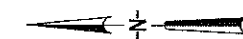
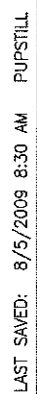
DESIGNED	TSM
DRAWN	H2B
CHECKED	DAD
DATE	8/09
REVISIONS	PERMIT MODIFICATION - 2
DATE	11/07
REVISIONS	PERMIT MODIFICATION - THIS SHEET ADDED



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

FILLING SEQUENCE 3B

CERTIFICATE OF AUTHORIZATION #1941	DATE	PROJECT NO.
APPROVED BY	NOV 2006	01030-005-01
DENNIS A. DAVIS	SCALE	DWG. NO.
P.E. # 59299	1"=100'	C-8A



0 50 100 200

SCALE IN FEET
1"=100'

--- 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.

|      |       |                       |     |        |  |          |     |
|------|-------|-----------------------|-----|--------|--|----------|-----|
|      |       |                       |     |        |  | DESIGNED | TSM |
| 12   | 8/09  | PERMIT MODIFICATION 2 | PEU | GAD    |  | DRAWN    | H2B |
| 11   | 11/07 | PERMIT MODIFICATION   | ABG | GAD    |  | CHECKED  | DAD |
| LTR. | DATE  | REVISIONS             | BY  | APPRD. |  |          |     |



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

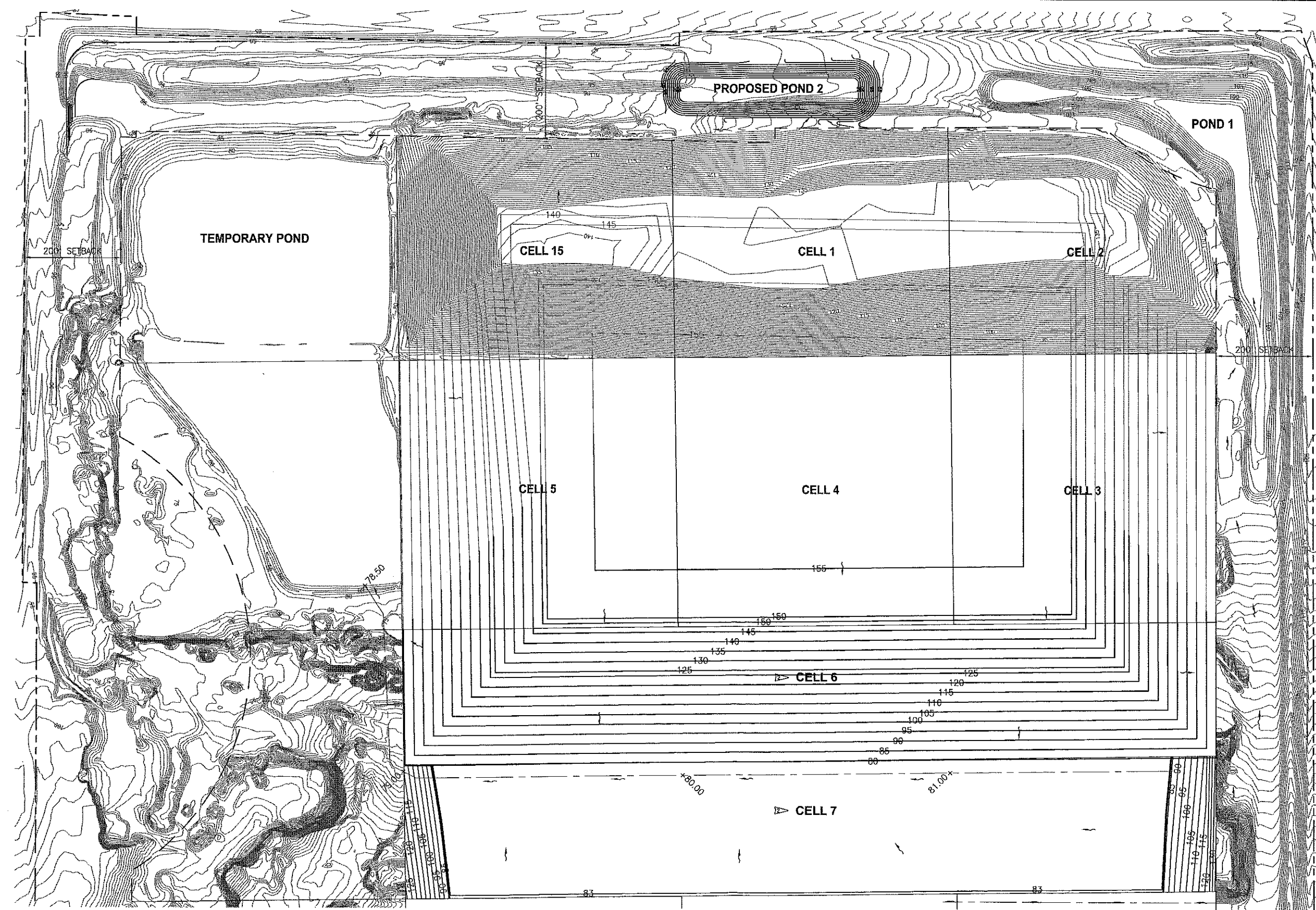
#### FILLING SEQUENCE 4

|                                    |           |              |
|------------------------------------|-----------|--------------|
| CERTIFICATE OF AUTHORIZATION #1841 | DATE      | PROJECT NO.  |
| APPROVED BY                        | NOV 2006  | 01030-005-01 |
| DENNIS A. DAVIS                    | SCALE     | DWG. NO.     |
| DC # 50200                         | 1" = 100' | C-9          |



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

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



- 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.

|          |                       |
|----------|-----------------------|
| DESIGNED | TSM                   |
| DRAWN    | H2B                   |
| CHECKED  | DAD                   |
| LTR.     | DATE                  |
| 8/09     | PERMIT MODIFICATION 2 |
| PEU      | DAD                   |
| BY       | APPROD.               |



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

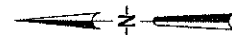
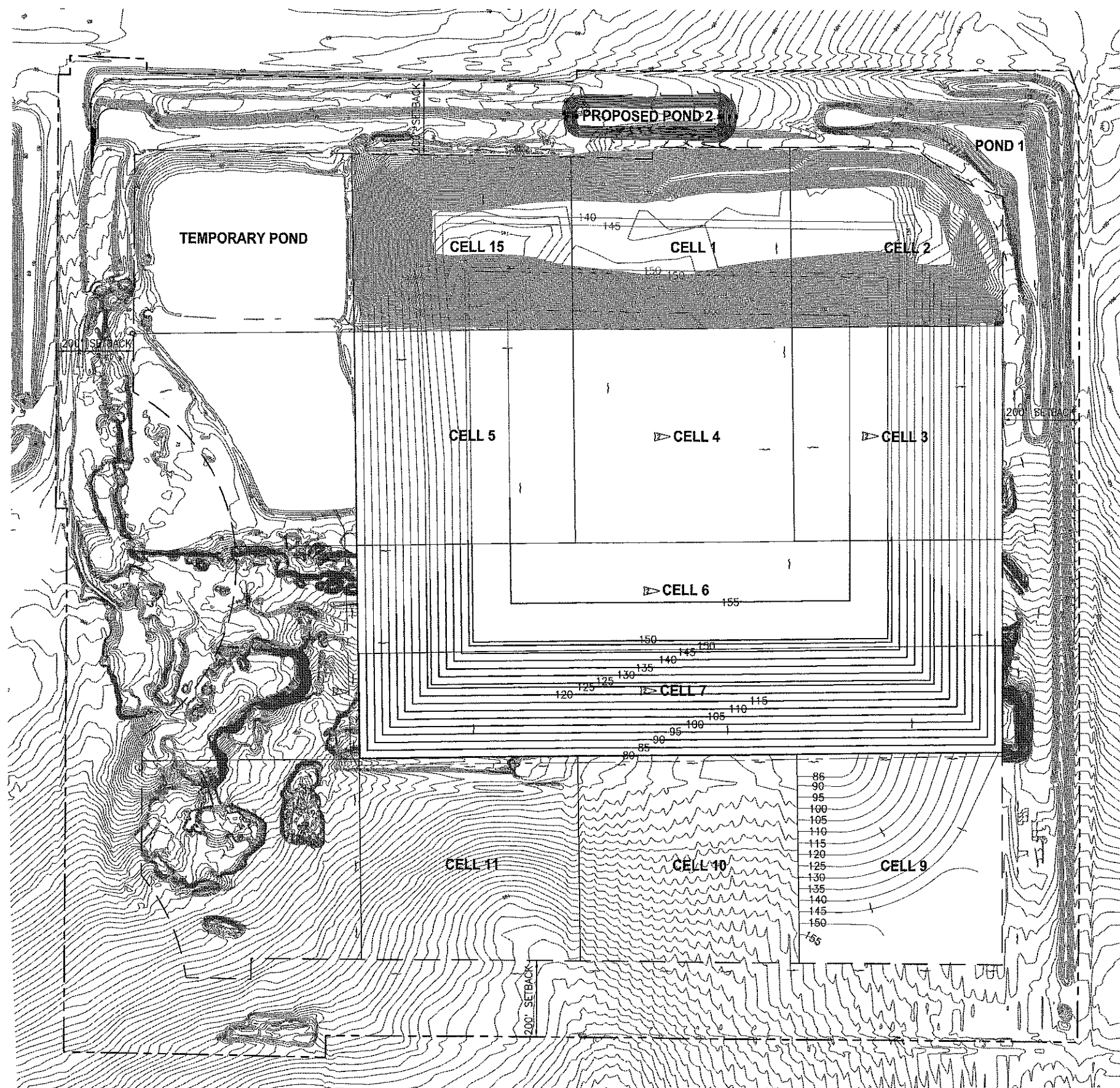
FILLING SEQUENCE 5

|                                    |          |              |
|------------------------------------|----------|--------------|
| CERTIFICATE OF AUTHORIZATION #1841 | DATE     | PROJECT NO.  |
| APPROVED BY                        | NOV 2006 | 01030-005-01 |
| DENNIS A. DAVIS                    | SCALE    | DWG. NO.     |
| P.E. # 59299                       | 1"=100'  | C-10         |



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

LAST SAVED: 8/5/2009 10:07 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
- APPROXIMATE CENTER OF SWALE

### NOTE:

1. THE CONTOURS IN CELL 9 REPRESENT THE MINING EXCAVATION GRADES.

|          |                       |
|----------|-----------------------|
| DESIGNED | TSM                   |
| DRAWN    | H2B                   |
| CHECKED  | DAD                   |
| BY       | APPR.                 |
| DATE     | REVISIONS             |
| 8/05     | PERMIT MODIFICATION 2 |
| LTR.     | DATE                  |



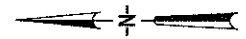
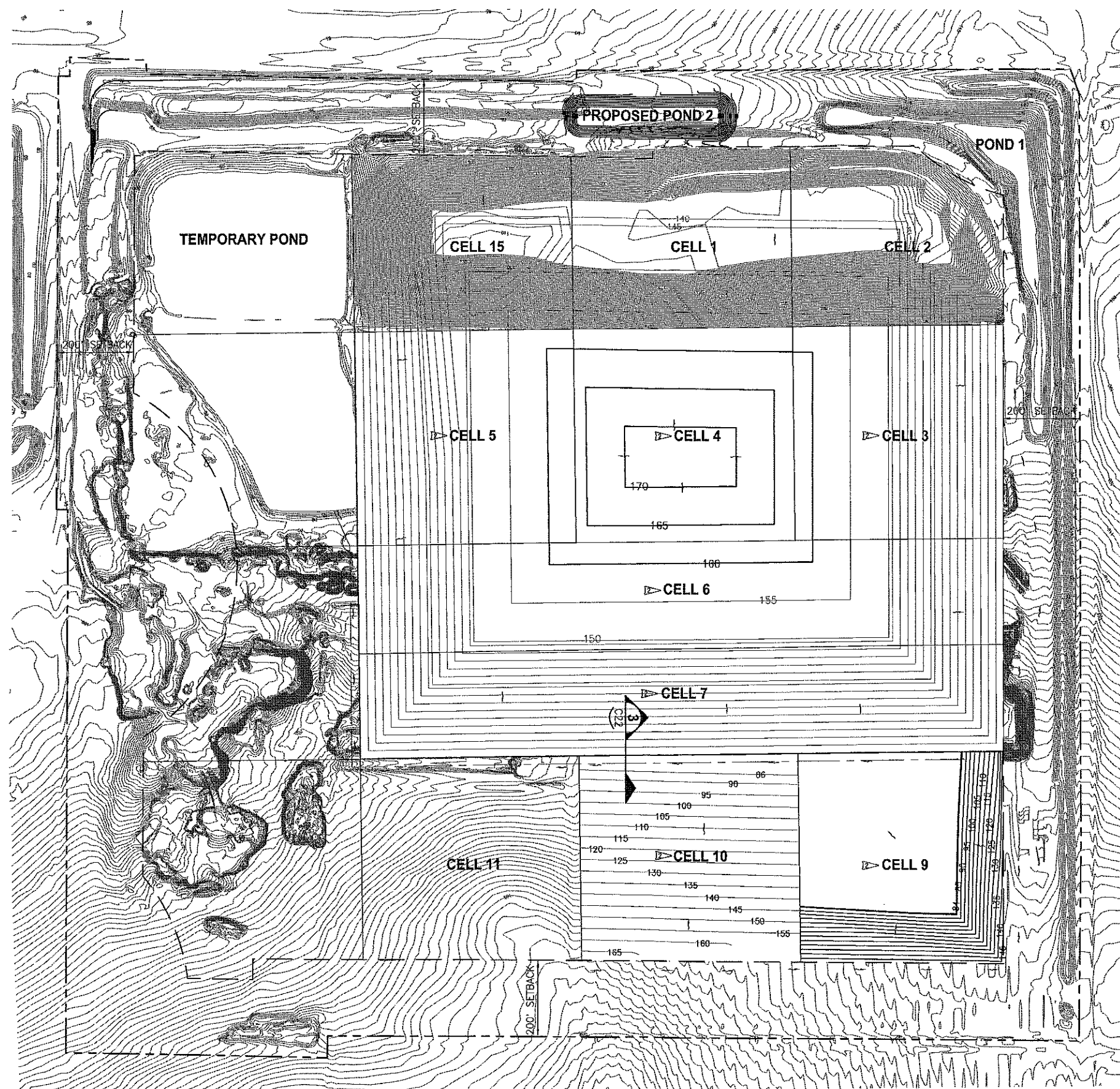
ANGELO'S AGGREGATE MATERIALS, LTD.  
ENTERPRISE RECYCLE AND DISPOSAL FACILITY

FILLING SEQUENCE 6

|                                    |          |              |
|------------------------------------|----------|--------------|
| CERTIFICATE OF AUTHORIZATION #1841 | DATE     | PROJECT NO.  |
| APPROVED BY                        | NOV 2006 | 01030-005-01 |
| DENNIS A. DAVIS                    | SCALE    | DWG. NO.     |
| P.E. # 59299                       | 1"=150'  | C-11         |

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
- 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.

|           |                       |
|-----------|-----------------------|
| DESIGNED  | TSM                   |
| DRAWN     | H2B                   |
| CHECKED   | DAD                   |
| BY        | APPRO.                |
| DATE      | 8/09                  |
| REVISIONS | PERMIT MODIFICATION 2 |



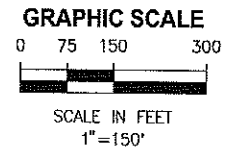
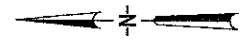
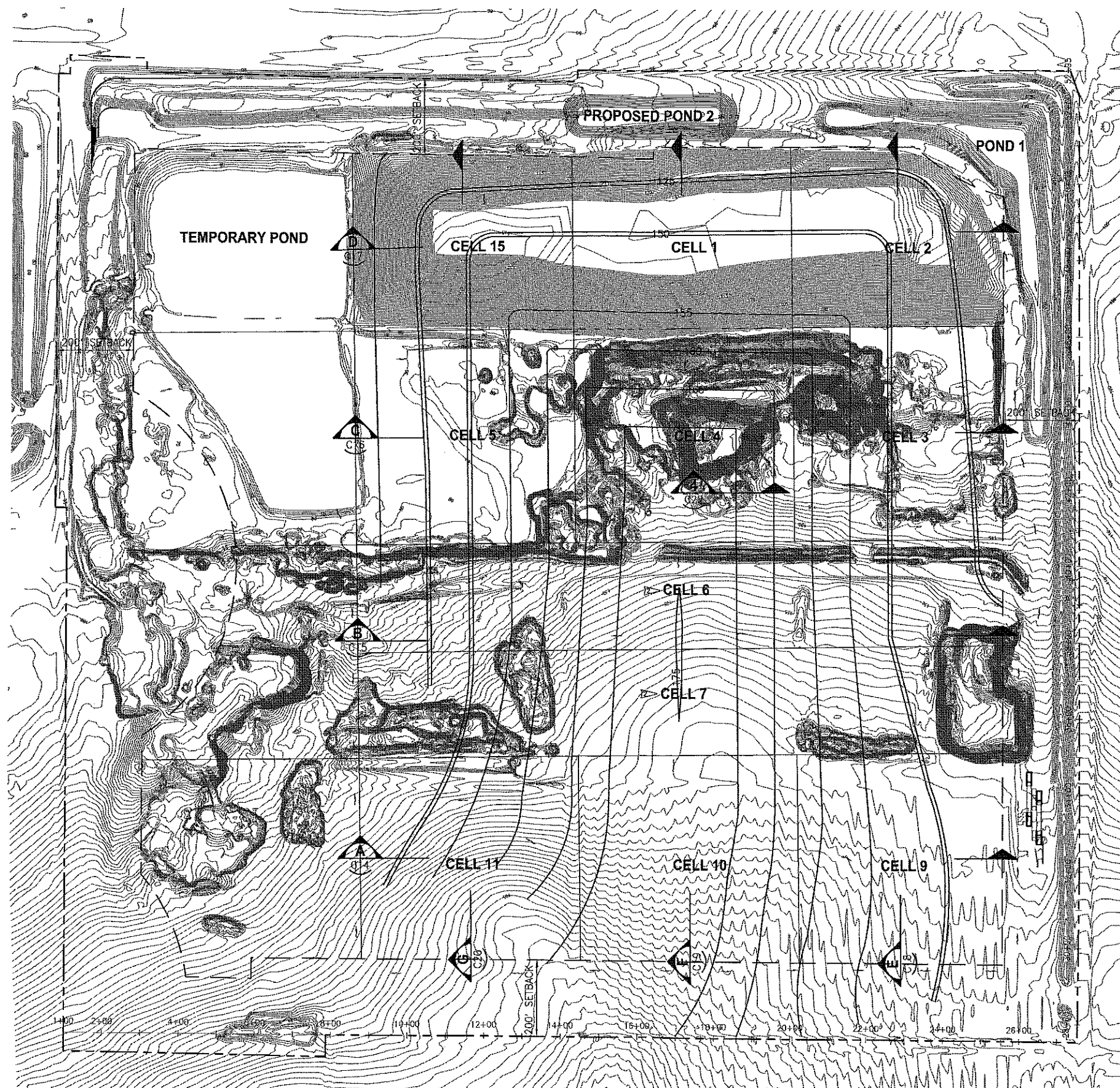
ANGELO'S AGGREGATE MATERIALS, LTD.  
ENTERPRISE RECYCLE AND DISPOSAL FACILITY

FILLING SEQUENCE 7

|                                    |          |              |
|------------------------------------|----------|--------------|
| CERTIFICATE OF AUTHORIZATION #1841 | DATE     | PROJECT NO.  |
| APPROVED BY                        | NOV 2006 | 01030-005-01 |
| DENNIS A. DAVIS                    | SCALE    | DWG. NO.     |
| P.E. # 59299                       | 1"=150'  | C-12         |

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

LAST SAVED: 8/5/2009 8:34 AM PUPSTILL



**LEGEND**

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

|                       |       |
|-----------------------|-------|
| DESIGNED              | TSM   |
| DRAWN                 | H2B   |
| CHECKED               | DAD   |
| BY                    | APPR. |
| DATE                  | 8/09  |
| PERMIT MODIFICATION 2 |       |
| REVISIONS             |       |



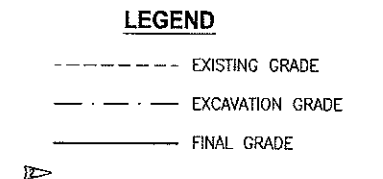
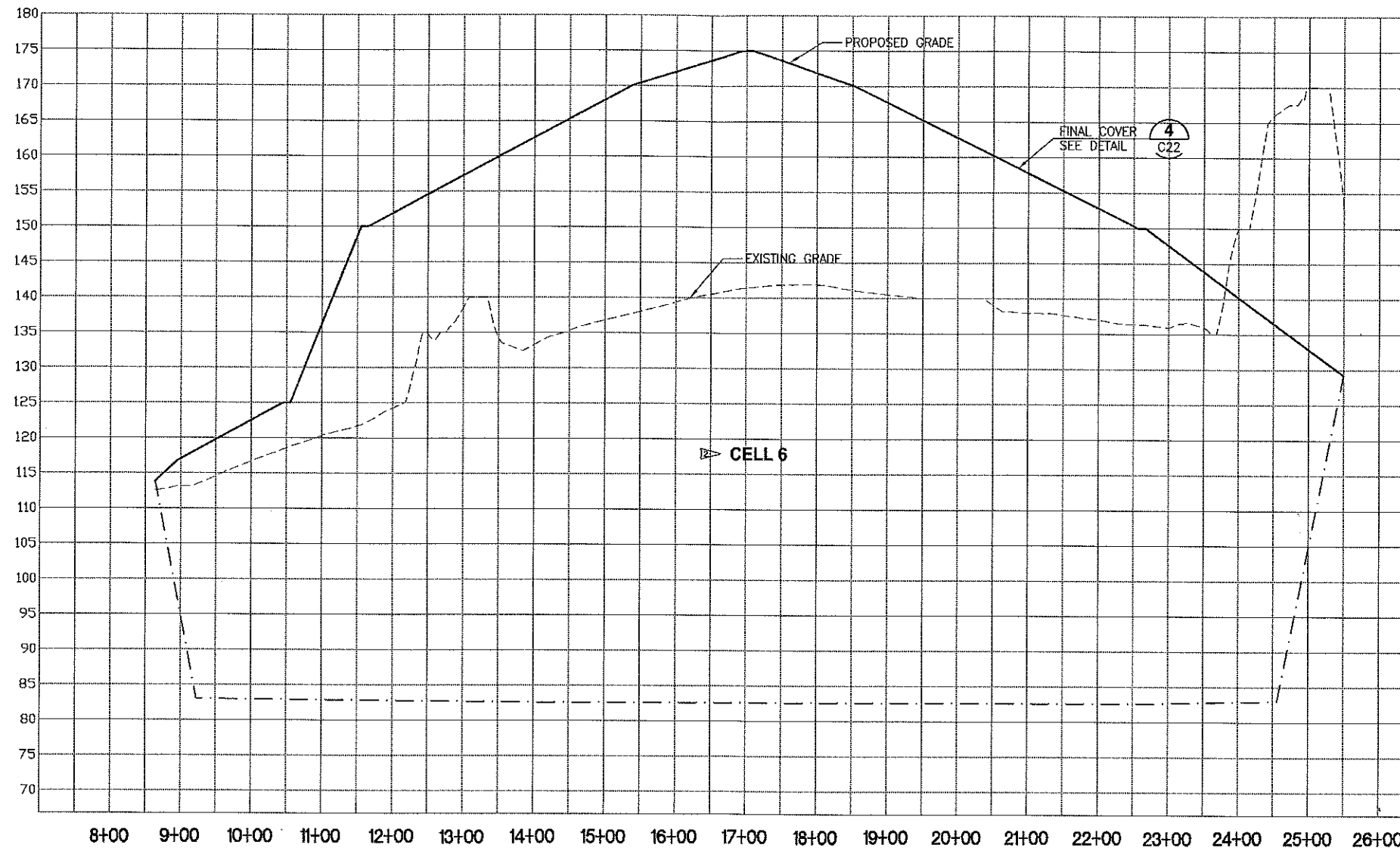
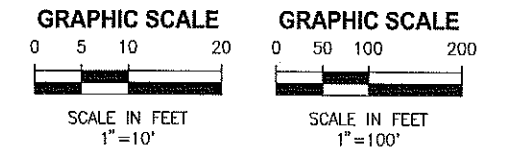
**ANGELO'S AGGREGATE MATERIALS, LTD.**  
**ENTERPRISE RECYCLE AND DISPOSAL FACILITY**

**FILLING SEQUENCE 8**

|                                    |          |              |
|------------------------------------|----------|--------------|
| CERTIFICATE OF AUTHORIZATION #1841 | DATE     | PROJECT NO.  |
| APPROVED BY                        | NOV 2006 | 01030-005-01 |
| DENNIS A. DAVIS                    | SCALE    | DWG. NO.     |
| P.E. # 59299                       | 1"=150'  | C-13         |



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



**SECTION B**  
1"=10' V  
1"=100' H  
C13

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

|      |      |           |    |        |     |          |     |
|------|------|-----------|----|--------|-----|----------|-----|
|      |      |           |    |        |     | DESIGNED | TSM |
|      |      |           |    |        |     | DRAWN    | H2B |
|      |      |           |    |        |     | CHECKED  | DAD |
| LTR. | DATE | REVISIONS | BY | APPRD. | PEU | DAD      |     |

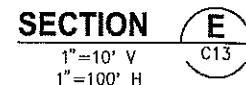


**ANGELO'S AGGREGATE MATERIALS, LTD.**  
**ENTERPRISE RECYCLE AND DISPOSAL FACILITY**

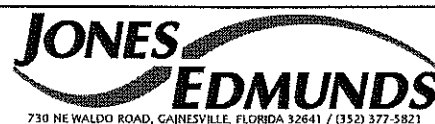
**LANDFILL SECTIONS**

|                                    |                         |              |
|------------------------------------|-------------------------|--------------|
| CERTIFICATE OF AUTHORIZATION #1841 | DATE                    | PROJECT NO.  |
| APPROVED BY                        | NOV 2006                | 01030-005-01 |
| DENNIS A. DAVIS                    | SCALE                   | DWG. NO.     |
| P.E. # 59299                       | H: 1"=100'<br>V: 1"=10' | C-15         |

LAST SAVED: 8/5/2009 8:36 AM PUPSTILL



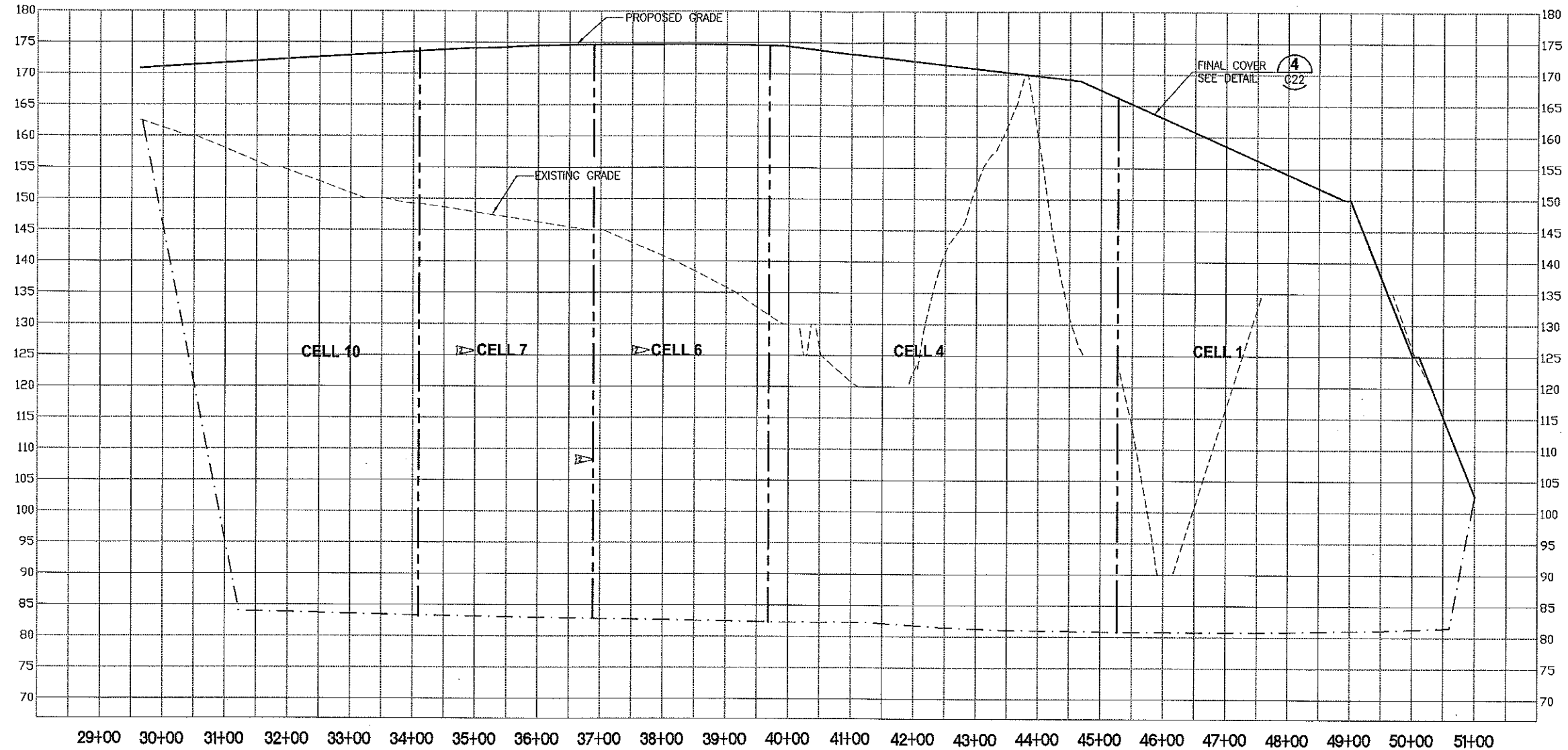
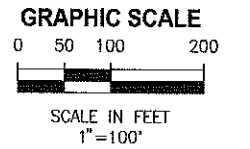
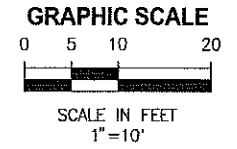
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|------|------|-----------------------|--|--|-----|----------|-------------|
|      |      |                       |  |  |     | DESIGNED | TSM         |
|      |      |                       |  |  |     | DRAWN    | H2B         |
| 12   | 8/09 | PERMIT MODIFICATION 2 |  |  | PEU | QAD      |             |
| LTR. | DATE | REVISIONS             |  |  | BY  | APPROD.  | CHECKED DAD |



## LANDFILL SECTIONS

|                                    |            |              |
|------------------------------------|------------|--------------|
| CERTIFICATE OF AUTHORIZATION #1841 | DATE       | PROJECT NO.  |
| APPROVED BY                        | NOV 2006   | 01030-Q05-01 |
| DENNIS A. DAVIS                    | SCALE      | DWG. NO.     |
| P.E. # 59299                       | H: 1"=100' | C-18         |
|                                    | V: 1"=10'  |              |

Plotted: 8/05/09 10:31am pupstill



**LEGEND**

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

**SECTION F**  
1"=10' V  
1"=100' H  
C13

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

|           |                       |
|-----------|-----------------------|
| DESIGNED  | TSM                   |
| DRAWN     | H2B                   |
| CHECKED   | DAD                   |
| DATE      | 8/09                  |
| REVISIONS | PERMIT MODIFICATION 2 |
| BY        | PEU                   |
| APPROD.   | DAD                   |

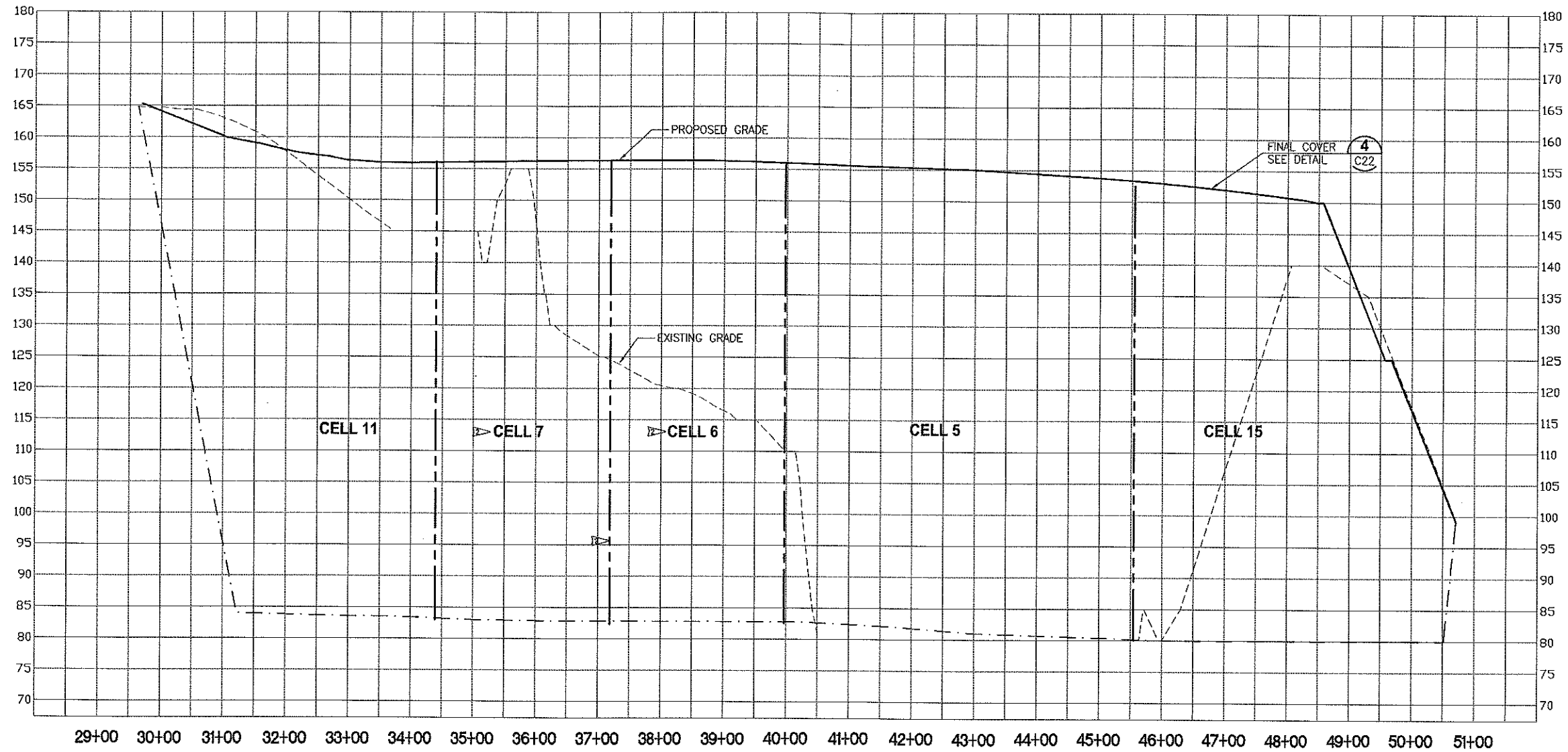
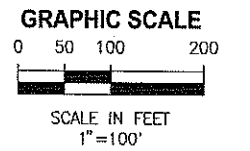
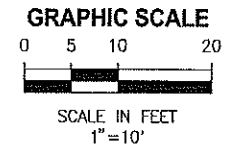


**ANGELO'S AGGREGATE MATERIALS, LTD.**  
**ENTERPRISE RECYCLE AND DISPOSAL FACILITY**

**LANDFILL SECTIONS**

|                                    |            |              |
|------------------------------------|------------|--------------|
| CERTIFICATE OF AUTHORIZATION #1841 | DATE       | PROJECT NO.  |
| APPROVED BY                        | NOV 2006   | 01030-005-01 |
| DENNIS A. DAVIS                    | SCALE      | DWG. NO.     |
| P.E. # 59299                       | H: 1"=100' | C-19         |
|                                    | V: 1"=10'  |              |

Plotted: 8/05/09 10:31am pupstill



**LEGEND**

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

**SECTION G**  
1"=10' V  
1"=100' H  
C13

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

|           |      |
|-----------|------|
| DESIGNED  | TSM  |
| DRAWN     | H2B  |
| CHECKED   | DAD  |
| LTR.      | DATE |
| REVISIONS | BY   |
| APPRD.    | DATE |



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

**LANDFILL SECTIONS**

|                                    |                         |              |
|------------------------------------|-------------------------|--------------|
| CERTIFICATE OF AUTHORIZATION #1841 | DATE                    | PROJECT NO.  |
| APPROVED BY                        | NOV 2006                | 01030-005-01 |
| DENNIS A. DAVIS                    | SCALE                   | DWG. NO.     |
| P.E. # 59299                       | H: 1"=100'<br>V: 1"=10' | C-20         |