Morris, John R.

From: John Locklear [john@locklearconsulting.com]
Sent: Friday, April 06, 2012 8:13 PM
To: Morris, John R.
Cc: john.phillip.arnold@gmail.com; Rebecca Kelner
Subject: Enterprise Well Comp Repts
Attachments: Enterprise REV well comp repts.pdf

Signed/sealed original is in the mail. Let me know if you have any questions. Thanks

John Locklear, P.G.
President
Locklear & Associates, LLC
(352) 682-0781

Locklear & Associates, LLC
Environmental Consulting Services

Locklear & Associates, LLC
Environmental Consulting Services

April 6, 2012

John Morris, P.G.
Florida Department of Environmental Protection – Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637

RE: Cell 6 Monitoring Well Installation – Revised Coordinates
Enterprise Class III Landfill and Recycling Facility
Permit No. 177982-007-SO/T3
WACS No. 87895

Dear Mr. Morris:

Attached please find revised well completion reports for Cell 6 monitoring wells MW-15B, MW-16B and MW-17B. As you requested, the well location data has been revised to the degree/minutes/seconds format for latitude and longitude.

Groundwater samples have been collected from all three wells. The analytical results will be reported as part of the First Semiannual 2012 compliance monitoring report. Please provide WACs identification numbers for the new wells as they will be needed to prepare the ADaPT files.

If you have any questions regarding this information, please contact me at (352) 682-0781.

Sincerely,

John D. Locklear, P.G.
President
Locklear & Associates, LLC

Cc: John Arnold, Angelo's Aggregate Materials

Attachment 1: Revised Well Completion Reports

4/6/12
FL PG 2467

ATTACHMENT 1
REVISED WELL COMPLETION REPORTS

DEP Form # 62-520.900(3)
Form Title MONITORING WELL COMPLETION REPORT
Effective Date July 12, 2009
DEP Application No.__________
(Filled in by DEP)

Florida Department of Environmental Protection

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

MONITORING WELL COMPLETION REPORT

PART I: GENERAL INFORMATION

Well ID: MW-15B	Site Name: Enterprise Class III Landfill		Well Install Date 2/29-3/1 20012
Facility ID 87895	Alternate ID	FLUWID #	WMD Permit # 819037

Well Purpose ☐ Background ☒ Intermediate ☐ Compliance ☐ Other (explain) Detection

Latitude (to nearest 0.1 seconds) 28° 19' 51.97693"	Longitude (to nearest 0.1 seconds) 82° 08' 07.84029"

Latitude and Longitude collection method: ☐ DGPS ☐ AGPS ☐ MAP ☐ ZIPCODE ☐ DPHO
☒ UNKNOWN ☐ OTHER Professional Land Surveyor

PART II: WELL CONSTRUCTION DETAILS

Contractor Name Ben Huss	Contractor License # 9342
Company Name Huss Drilling, Inc.	
Construction Method: ☒ Hollow Stem Auger ☐ Solid Stem Auger ☐ Water/Mud Rotary ☐ Air Rotary ☐ Cable Tool ☐ Direct Push ☐ Sonic ☐ Other (describe)	Aquifer Monitored Floridan
Top of Casing Elevation (NVGD or NAVD) 147.87 Feet, NGVD	Ground Surface Elevation (NVGD or NAVD) 145.48 Feet, NGVD

Casing

Material	Inside Diameter	Outside Diameter	Depth (ft.)	
			From	To
Sch 40 PVC	2.06 inch	2.37 inch	0	80

Screen

Material	Inside Diameter	Outside Diameter	Depth (ft.)		Slot Size
			From	To	
Sch 40 PVC	2.06 inch	2.37 inch	80	~~1000~~ 100	0.010-inch

Annulus

Material including additives for sealant	Size of Material	Amount (# of bags)	Depth (ft.)		Installation Method
			From	To	
Silica sand	20/30	13	77	100	Pour
Bentonite	N/A	1	75	77	Pour
Portland Type I cement	N/A		0	75	Tremie pipe

PART III: WELL DEVELOPMENT DETAILS

Well Development Date	Well Development Method: ☒ Surge/Pump ☐ Pump ☐ Compressed Air ☐ Other (explain)		
Development Duration	Two hours		
Pumping Rate 3-4 GPM	Maximum Drawdown Unknown	Well Purged Dry ☐ yes ☒ no	Pumping Condition ☒ continuous ☐ intermittent

Turbidity (if Measured):		Stabilized Water Level (BLS)
Start: > 1000 NTU	End: 65 NTU	N/A

Water appearance (color and odor) at start of development:

Milky, no odor

Water appearance (color and odor) at end of development:

Clear, no odor

Report Prepared By:	Date
John Locklear	March 22, 2012 Rev: April 6, 2012
Title/Company	License #
President Locklear & Associates, LLC	PG 2467

PLEASE ATTACH BORING LOG

Remarks

DEP Form # 62-520.900(3)
Form Title MONITORING WELL COMPLETION REPORT
Effective Date July 12, 2009
DEP Application No.____________
(Filled in by DEP)

Florida Department of Environmental Protection

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

MONITORING WELL COMPLETION REPORT

PART I: GENERAL INFORMATION

Well ID: MW-16B	Site Name: Enterprise Class III Landfill		Well Install Date 2/28-2/29 20012
Facility ID 87895	Alternate ID	FLUWID #	WMD Permit # 819037

Well Purpose ☐ Background ☒ Intermediate ☐ Compliance ☐ Other (explain) Detection

Latitude (to nearest 0.1 seconds) 28° 19' 56.91897"	Longitude (to nearest 0.1 seconds) 82° 08' 07.94658

Latitude and Longitude collection method: ☐ DGPS ☐ AGPS ☐ MAP ☐ ZIPCODE ☐ DPHO ☒ UNKNOWN ☐ OTHER Professional Land Surveyor

PART II: WELL CONSTRUCTION DETAILS

Contractor Name Ben Huss	Contractor License # 9342
Company Name Huss Drilling, Inc.	
Construction Method: ☒ Hollow Stem Auger ☐ Solid Stem Auger ☐ Water/Mud Rotary ☐ Air Rotary ☐ Cable Tool ☐ Direct Push ☐ Sonic ☐ Other (describe)	Aquifer Monitored Floridan
Top of Casing Elevation (NVGD or NAVD) 138.01 Feet, NGVD	Ground Surface Elevation (NVGD or NAVD) 135.40 Feet, NGVD

Casing

Material	Inside Diameter	Outside Diameter	Depth (ft.)	
			From	To
Sch 40 PVC	2.06 inch	2.37 inch	0	80

Screen

Material	Inside Diameter	Outside Diameter	Depth (ft.)		Slot Size
			From	To	
Sch 40 PVC	2.06 inch	2.37 inch	80	100	0.010-inch

Annulus

Material including additives for sealant	Size of Material	Amount (# of bags)	Depth (ft.)		Installation Method
			From	To	
Silica sand	20/30	12	77	100	Pour
Bentonite	N/A	1	75	77	Pour
Portland Type I cement	N/A		0	75	Tremie pipe

PART III: WELL DEVELOPMENT DETAILS

Well Development Date	Well Development Method: ☒ Surge/Pump ☐ Pump ☐ Compressed Air ☐ Other (explain)		
Development Duration	Three hours		
Pumping Rate 3-4 GPM	Maximum Drawdown Unknown	Well Purged Dry ☐ yes ☒ no	Pumping Condition ☒ continuous ☐ intermittent
Turbidity (if Measured):			Stabilized Water Level (BLS) N/A
Start: > 1000 NTU	End: 50 NTU		

Water appearance (color and odor) at start of development:

Milky, no odor

Water appearance (color and odor) at end of development:

Clear, no odor

Report Prepared By:	Date
John Locklear	March 22, 2012 Rev: April 6, 2012
Title/Company	License #
President Locklear & Associates, LLC	PG 2467

PLEASE ATTACH BORING LOG

Remarks

DEP Form # 62-520.900(3)
Form Title MONITORING WELL COMPLETION REPORT
Effective Date July 12, 2009
DEP Application No.______________
(Filled in by DEP)

Florida Department of Environmental Protection

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

MONITORING WELL COMPLETION REPORT

PART I: GENERAL INFORMATION

Well ID: MW-17B	Site Name: Enterprise Class III Landfill		Well Install Date 2/27-2/28 20012
Facility ID 87895	Alternate ID	FLUWID #	WMD Permit # 819037

Well Purpose ☐ Background ☒ Intermediate ☐ Compliance ☐ Other (explain) Detection

Latitude (to nearest 0.1 seconds) 28° 20' 02.22086"	Longitude (to nearest 0.1 seconds) 82° 08' 05.70890"

Latitude and Longitude collection method: ☐ DGPS ☐ AGPS ☐ MAP ☐ ZIPCODE ☐ DPHO
☒ UNKNOWN ☐ OTHER Professional Land Surveyor

PART II: WELL CONSTRUCTION DETAILS

Contractor Name Ben Huss	Contractor License # 9342
Company Name Huss Drilling, Inc.	
Construction Method: ☒ Hollow Stem Auger ☐ Solid Stem Auger ☐ Water/Mud Rotary ☐ Air Rotary ☐ Cable Tool ☐ Direct Push ☐ Sonic ☐ Other (describe)	Aquifer Monitored Floridan
Top of Casing Elevation (NVGD or NAVD) 87.21 Feet, NGVD	Ground Surface Elevation (NVGD or NAVD) 84.56 Feet, NGVD

Casing

Material	Inside Diameter	Outside Diameter	Depth (ft.)	
			From	To
Sch 40 PVC	2.06 inch	2.37 inch	0	58.5

Screen

Material	Inside Diameter	Outside Diameter	Depth (ft.)		Slot Size
			From	To	
Sch 40 PVC	2.06 inch	2.37 inch	58.5	78.5	0.010-inch

Annulus

Material including additives for sealant	Size of Material	Amount (# of bags)	Depth (ft.)		Installation Method
			From	To	
Silica sand	20/30	12	56	78.5	Pour
Bentonite	N/A	1	54	56	Pour
Portland Type I cement	N/A		0	54	Tremie pipe

PART III: WELL DEVELOPMENT DETAILS

Well Development Date	Well Development Method: ☒ Surge/Pump ☐ Pump ☐ Compressed Air ☐ Other (explain)		
Development Duration	Three hours		
Pumping Rate 3-4 GPM	Maximum Drawdown Unknown	Well Purged Dry ☐ yes ☒ no	Pumping Condition ☒ continuous ☐ intermittent

Turbidity (if Measured):		Stabilized Water Level (BLS)
Start: > 1000 NTU	End: 54 NTU	N/A

Water appearance (color and odor) at start of development:

Milky tan, no odor

Water appearance (color and odor) at end of development:

Clear, no odor

Report Prepared By: John Locklear	Date March 22, 2012 Rev: April 6, 2012
Title/Company President Locklear & Associates, LLC	License # PG 2467

PLEASE ATTACH BORING LOG

Remarks

Morris, John R.

From: John Locklear [john@locklearconsulting.com]
Sent: Tuesday, April 03, 2012 8:58 AM
To: Morris, John R.
Cc: john.phillip.arnold@gmail.com; 'Rebecca Kelner'; Pelz, Susan; Morgan, Steve
Subject: RE: Enterprise Well Completion Reports [facility #87895]

We are converting and revising completion reports as requested. I will send them electronically ASAP and follow up with signed/sealed originals this week. Thanks

John Locklear, P.G.
President
Locklear & Associates, LLC
(352) 682-0781

Locklear & Associates, LLC
Environmental Consulting Services

From: Morris, John R. [mailto:John.R.Morris@dep.state.fl.us]
Sent: Monday, April 02, 2012 9:50 AM
To: 'John Locklear'
Cc: john.phillip.arnold@gmail.com; Rebecca Kelner; Pelz, Susan; Morgan, Steve
Subject: RE: Enterprise Well Completion Reports [facility #87895]

John L.:

Good morning. The "Well Completion Reports" that were included as Attachment 2 of the materials sent via your message dated 3/26/12 provided the locations of new wells MW-15B, MW-16B and MW-17B in northings/eastings. Can you submit revised Well Completion Reports that provide the well locations in degrees, minutes and seconds of latitude and longitude? I'll need the well location information in that format to create the WACS testsite numbers for the new wells.

Thanks.

John M.

****

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

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

Please take a few minutes to share your comments on the service you received from the department by clicking on this link DEP Customer Survey.

From: John Locklear [mailto:john@locklearconsulting.com]
Sent: Monday, March 26, 2012 9:07 AM
To: Morris, John R.
Cc: john.phillip.arnold@gmail.com; Rebecca Kelner
Subject: Enterpise Well Completion Reports

Good morning John

Attached are the well completion reports for MW-15B, MW-16B and MW-17B associated with Cell 6 at the Enterprise Class III Landfill. The wells have been sampled, so if you could send the WACS ID numbers as soon as possible we can generate the ADaPT files. Two signed/sealed originals are in the mail. Please let me know if you have any questions.

John Locklear, P.G.
President
Locklear & Associates, LLC
(352) 682-0781

Locklear & Associates, LLC
Environmental Consulting Services

Morris, John R.

From: John Locklear [john@locklearconsulting.com]
Sent: Monday, March 26, 2012 9:07 AM
To: Morris, John R.
Cc: john.phillip.arnold@gmail.com; Rebecca Kelner
Subject: Enterpise Well Completion Reports
Attachments: Enterprise Well Comp Rpt.pdf

Good morning John

Attached are the well completion reports for MW-15B, MW-16B and MW-17B associated with Cell 6 at the Enterprise Class III Landfill. The wells have been sampled, so if you could send the WACS ID numbers as soon as possible we can generate the ADaPT files. Two signed/sealed originals are in the mail. Please let me know if you have any questions.

John Locklear, P.G.
President
Locklear & Associates, LLC
(352) 682-0781

Locklear & Associates, LLC
Environmental Consulting Services

Locklear & Associates, LLC
Environmental Consulting Services

March 26, 2012

John Morris, P.G.
Florida Department of Environmental Protection – Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637

RE: **Cell 6 Monitoring Well Installation**
Enterprise Class III Landfill and Recycling Facility
Permit No. 177982-007-SO/T3
WACS No. 87895

Dear Mr. Morris:

Detection monitoring wells MW-15B, MW-16B and MW-17B have been installed as specified in our February 23, 2012 minor permit modification application. Water bearing sediments above the clay confining unit were not encountered during drilling, therefore surficial aquifer monitoring wells were not installed. Geologic boring logs are provided in Attachment 1. Well completion reports are provided in Attachment 2.

Groundwater samples have been collected from all three wells. The analytical results will be reported as part of the First Semiannual 2012 compliance monitoring report. Please provide WACs identification numbers for the new wells as they will be needed to prepare the ADaPT files.

If you have any questions regarding this information, please contact me at (352) 682-0781.

Sincerely,

John D. Locklear, P.G.
President
Locklear & Associates, LLC

Cc: John Arnold, Angelo's Aggregate Materials

Attachment 1: Geologic Boring Logs
Attachment 2: Well Completion Reports

3/26/12
FL PG 2467

ATTACHMENT 1
GEOLOGIC BORING LOGS

TEST BORING FIELD RE[redacted]RT

M[redacted]-15B

Site: Enterprise Class III Landfill
Well Driller: Huss Drilling, Inc.
Drilling Method: Hollow Stem Auger

Boring completed: 2/29/12
Well completed: 3/1/12
Geologist: John Locklear, P.G.

Depth	SPT Data ASTM D1586 per 6"	N		Description of Soil	
0					
5				CLAY, tan to orange/brown, stiff	5
10				CLAY	10
15					15
20				CLAY, sandy	20
25					25
30				LIMESTONE, white, dry	30
35				LIMESTONE	35
40				LIMESTONE, white, hard, dry	40
42					42

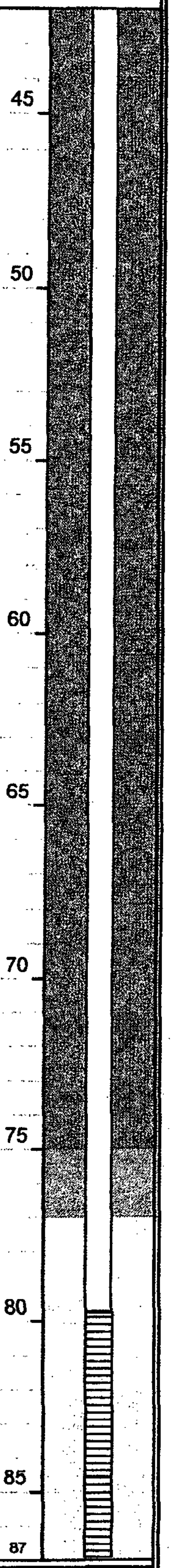
Notes & additional data/info. (specify if other materials used):
Total well depth = 100 ft BLS
Well casing/pipe: Dia. & type = 2 in Sch 40 PVC Solid length = 80 ft ; Screen = 20 ft, 0.010 slot
Sand filter pack = 12 50 lb. Bags; Type = 20/30 silica ; Placed from 100 ft bls to 77 ft bls
Annular seal: Type = Bentonite ; Thickness = 2 ft ; Placed from 77 ft bls to 75 ft bls
Grout = Portland Type I ; Pad = 24"x24"x4" ; Cover = Stick-up

Locklear & Associates, LLC
Environmental Consulting Services

TEST BORING FIELD REPO[redacted] Boring No.: MW-1[redacted] Page 2 of 3

Site: Enterprise Class III Landfill

Depth	SPT Data ASTM D1586 per 6"	N		Description of Soil
42				
45				LIMESTONE
50				LIMESTONE
55				
60				LIMESTONE with some CLAY, pale green, dry
65				LIMESTONE with some CLAY, pale green, dry
70				LIMESTONE, hard
75				
80				LIMESTONE, hard
85				
87				



Notes & additional data/info. (specify if other materials used):

Locklear & Associates, LLC

TEST BORING FIELD RE[redacted]RT Boring No.: MW[redacted]B Page 3 of 3

Site: Enterprise Class III Landfill

Depth	SPT Data ASTM D1586 per 6"	N		Description of Soil	
87					
90				LIMESTONE	90
95				LIMESTONE	95
100				LIMESTONE	100
105					105
110					110
115					115
120					120
125					125
130					130
132					132

Notes & additional data/info. (specify if other materials used):

Locklear & Associates, LLC
Environmental Consulting Services

TEST BORING FIELD REPO[redacted]

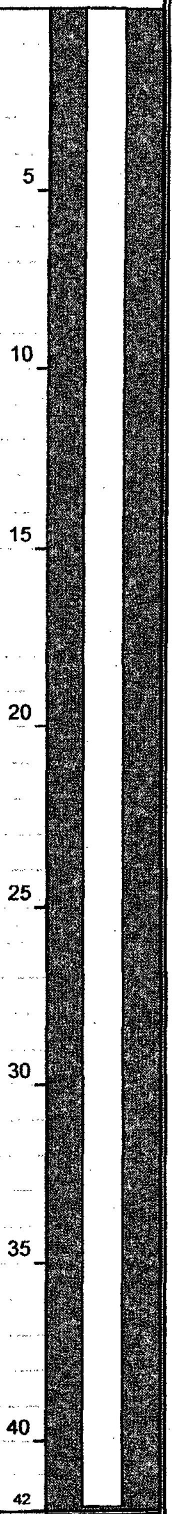
MW-[redacted]

Page 1 of 3

Site: Enterprise Class III Landfill
Well Driller: Huss Drilling, Inc.
Drilling Method: Hollow Stem Auger

Boring completed: 2/28/12
Well completed: 2/29/12
Geologist: John Locklear, P.G.

Depth	SPT Data ASTM D1586			Description of Soil
	per 6"	N		
0				
5				CLAY, tan to orange/brown
10				
15				CLAY
20				CLAY, sl sandy
25				
30	10 13	37		CLAY, tan to orange/brown, stiff
	24 25			
35	12 10	25		CLAY, tan to orange/brown, stiff
	15 21			
40	10 12	30		CLAY, slight greenish grey, stiff
	18 16			
42				



Notes & additional data/info. (specify if other materials used):
Total well depth = 100 ft BLS
Well casing/pipe: Dia. & type = 2 in Sch 40 PVC Solid length = 80 ft ; Screen = 20 ft, 0.010 slot
Sand filter pack = 12 50 lb. Bags; Type = 20/30 silica ; Placed from 100 ft bls to 77 ft bls
Annular seal: Type = Bentonite ; Thickness = 2 ft ; Placed from 77 ft bls to 75 ft bls
Grout = Portland Type I ; Pad = 24"x24"x4" ; Cover = Stick-up

Locklear & Associates, LLC
Environmental Consulting Services

TEST BORING FIELD REP[redacted]T

Boring No.: MW[redacted]B

Page 2 of 3

Site: Enterprise Class III Landfill

Depth 42	SPT Data ASTM D1586 per 6"	N		Description of Soil	
45	10 11 14 18	25		CLAY, slight greenish grey, stiff	45
50	11 14 21 20	35		CLAY, slight greenish grey to orange/brown, stiff	50
55	5 6 10 12	16		CLAY, sandy, light grey to orange/brown at bottom	55
60	7 9 12 14	21		CLAY, greenish grey, stiff	60
65	6 5 7 6	12		CLAY, greenish grey, stiff	65
70	7 7 8 8	15		CLAY, greenish grey, stiff, small LS fragments	70
75	4 26 50+	76+		LIMESTONE, weathered, white to light cream, wet	75
80				LIMESTONE, too hard to spoon, rig chatter	80
85				LIMESTONE	85
87					87

Notes & additional data/info. (specify if other materials used):

TEST BORING FIELD REPORT Boring No.: MW-16B Page 3 of 3

Site: Enterprise Class III Landfill

Depth	SPT Data ASTM D1586 per 6"	N		Description of Soil	
87					
90				LIMESTONE	90
95				LIMESTONE	95
100				LIMESTONE	100
105					105
110					110
115					115
120					120
125					125
130					130
132					132

Notes & additional data/info. (specify if other materials used):

Locklear & Associates, LLC
Environmental Consulting Services

TEST BORING FIELD REP[redacted]RT

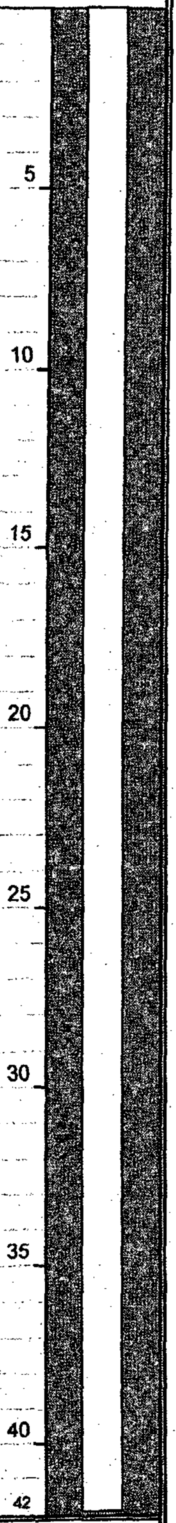
M[redacted]17B

Page 1 of 2

Site: Enterprise Class III Landfill
Well Driller: Huss Drilling, Inc.
Drilling Method: Hollow Stem Auger

Boring completed: 2/27/12
Well completed: 2/28/12
Geologist: John Locklear, P.G.

Depth 0	SPT Data ASTM D1586 per 6"	N		Description of Soil
5	4 8 7 9	15		CLAY, grey to greenish grey, stiff, small LS fragments
10	3 4 3 5	7		CLAY, orange/brown to greenish grey, stiff, LS fragments
15	16 42 16 8	58		Top 6 inches an bottom 12 inches CLAY, orange/brown to greenish gre Second 6 inches is SAND, white to light grey, fine, dry
20	5 6 7 7	13		CLAY, sandy, light grey to orange/brown, mod stiff
25	4 4 6 6	10		CLAY, sandy, light grey to orange/brown, mod stiff
30	10 13 14 13	27		Top 12 inches SAND, silty, light orange to orange/brown, moist Bottom 12 inches CLAY, sl sandy, light grey, mod stiff, moist
35	5 5 9 10	14		CLAY, sl sandy, light grey, mod stiff, moist
40	8 8 12 11	20		Top 18 inchs CLAY, sandy, orange/brown, mod stiff, moist Bottom 6 inches LIMESTONE, weathered, cream color
42				



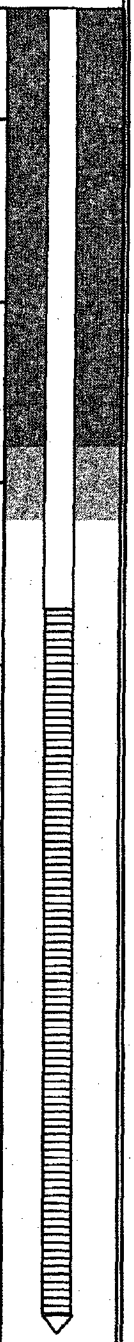
Notes & additional data/info. (specify if other materials used):
Total well depth = 78.5 ft BLS
Well casing/pipe: Dia. & type = 2 in Sch 40 PVC Solid length = 58.5 ft ; Screen = 20 ft, 0.010 slot
Sand filter pack = 24 50 lb. Bags; Type = 20/30 silica ; Placed from 78.5 ft bls to 56 ft bls
Annular seal: Type = Bentonite ; Thickness = 2 ft ; Placed from 54 ft bls to 56 ft bls
Grout = Portland Type I ; Pad = 24"x24"x4" ; Cover = Stick-up

Locklear & Associates, LLC
Environmental Consulting Services

TEST BORING FIELD REPOR[redacted] Boring No.: MW-17[redacted] Page 2 of 2

Site: Enterprise Class III Landfill

Depth	SPT Data ASTM D1586 per 6"	N	Description of Soil
42			
45	14 50+	50+	CLAY, light grey to brown, stiff, with 3-inch LS lense at 18 inches
50	31 18 22 50	40	Interbedded CLAY and LIMESTONE
55	16 50+	50+	LIMESTONE, cream, wet
60	50+		LIMESTONE, cream, wet
65			LIMESTONE, too hard to spoon
70			
75			
80			
85			
87			



Notes & additional data/info. (specify if other materials used):

Locklear & Associates, LLC
Environmental Consulting Services

ATTACHMENT 2
WELL COMPLETION REPORTS

DEP Form # 62-520.900(3)
Form Title MONITORING WELL COMPLETION REPORT
Effective Date July 12, 2009
DEP Application No.______________
(Filled in by DEP)

Florida Department of Environmental Protection

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

MONITORING WELL COMPLETION REPORT

PART I: GENERAL INFORMATION

Well ID: MW-15B	Site Name: Enterprise Class III Landfill		Well Install Date 2/29-3/1 20012
Facility ID 87895	Alternate ID	FLUWID #	WMD Permit # 819037

Well Purpose ☐ Background ☒ Intermediate ☐ Compliance ☐ Other (explain) Detection

Latitude (to nearest 0.1 seconds) N 1453107.369	Longitude (to nearest 0.1 seconds) E 612572.939

Latitude and Longitude collection method: ☐ DGPS ☐ AGPS ☐ MAP ☐ ZIPCODE ☐ DPHO ☒ UNKNOWN ☐ OTHER Professional Land Surveyor

PART II: WELL CONSTRUCTION DETAILS

Contractor Name Ben Huss	Contractor License # 9342
Company Name Huss Drilling, Inc.	
Construction Method: ☒ Hollow Stem Auger ☐ Solid Stem Auger ☐ Water/Mud Rotary ☐ Air Rotary ☐ Cable Tool ☐ Direct Push ☐ Sonic ☐ Other (describe)	Aquifer Monitored Floridan
Top of Casing Elevation (NVGD or NAVD) 147.87 Feet, NGVD	Ground Surface Elevation (NVGD or NAVD) 145.48 Feet, NGVD

Casing

Material	Inside Diameter	Outside Diameter	Depth (ft.)	
			From	To
Sch 40 PVC	2.06 inch	2.37 inch	0	80

Screen

Material	Inside Diameter	Outside Diameter	Depth (ft.)		Slot Size
			From	To	
Sch 40 PVC	2.06 inch	2.37 inch	80	1000	0.010-inch

Annulus

Material including additives for sealant	Size of Material	Amount (# of bags)	Depth (ft.)		Installation Method
			From	To	
Silica sand	20/30	13	77	100	Pour
Bentonite	N/A	1	75	77	Pour
Portland Type I cement	N/A		0	75	Tremie pipe

PART III: WELL DEVELOPMENT DETAILS

Well Development Date	Well Development Method: ☒ Surge/Pump ☐ Pump ☐ Compressed Air ☐ Other (explain)		
Development Duration	Two hours		
Pumping Rate 3-4 GPM	Maximum Drawdown Unknown	Well Purged Dry ☐ yes ☒ no	Pumping Condition ☒ continuous ☐ intermittent
Turbidity (if Measured):			Stabilized Water Level (BLS) N/A
Start: > 1000 NTU	End: 65 NTU		

Water appearance (color and odor) at start of development:
Milky, no odor

Water appearance (color and odor) at end of development:
Clear, no odor

Report Prepared By: John Locklear	Date March 22, 2012
Title/Company President Locklear & Associates, LLC	License # PG 2467

PLEASE ATTACH BORING LOG

Remarks

DEP Form # 62-520.900(3)

Form Title MONITORING WELL COMPLETION REPORT

Effective Date July 12, 2009

DEP Application No. ______________

(Filled in by DEP)

Florida Department of Environmental Protection

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

MONITORING WELL COMPLETION REPORT

PART I: GENERAL INFORMATION

Well ID: MW-16B	Site Name: Enterprise Class III Landfill		Well Install Date 2/28-2/29 20012
Facility ID 87895	Alternate ID	FLUWID #	WMD Permit # 819037

Well Purpose ☐ Background ☒ Intermediate ☐ Compliance ☐ Other (explain) Detection

Latitude (to nearest 0.1 seconds) N 1453606.494	Longitude (to nearest 0.1 seconds) E 612564.001

Latitude and Longitude collection method: ☐ DGPS ☐ AGPS ☐ MAP ☐ ZIPCODE ☐ DPHO ☒ UNKNOWN ☐ OTHER Professional Land Surveyor

PART II: WELL CONSTRUCTION DETAILS

Contractor Name Ben Huss	Contractor License # 9342
Company Name Huss Drilling, Inc.	
Construction Method: ☒ Hollow Stem Auger ☐ Solid Stem Auger ☐ Water/Mud Rotary ☐ Air Rotary ☐ Cable Tool ☐ Direct Push ☐ Sonic ☐ Other (describe)	Aquifer Monitored Floridan
Top of Casing Elevation (NVGD or NAVD) 138.01 Feet, NGVD	Ground Surface Elevation (NVGD or NAVD) 135.40 Feet, NGVD

Casing

Material	Inside Diameter	Outside Diameter	Depth (ft.)	
			From	To
Sch 40 PVC	2.06 inch	2.37 inch	0	80

Screen

Material	Inside Diameter	Outside Diameter	Depth (ft.)		Slot Size
			From	To	
Sch 40 PVC	2.06 inch	2.37 inch	80	100	0.010-inch

Annulus

Material including additives for sealant	Size of Material	Amount (# of bags)	Depth (ft.)		Installation Method
			From	To	
Silica sand	20/30	12	77	100	Pour
Bentonite	N/A	1	75	77	Pour
Portland Type I cement	N/A		0	75	Tremie pipe

PART III: WELL DEVELOPMENT DETAILS

Well Development Date	Well Development Method: ☒ Surge/Pump ☐ Pump ☐ Compressed Air ☐ Other (explain)
Development Duration	Three hours

Pumping Rate 3-4 GPM	Maximum Drawdown Unknown	Well Purged Dry ☐ yes ☒ no	Pumping Condition ☒ continuous ☐ intermittent

Turbidity (if Measured):		Stabilized Water Level (BLS)
Start: > 1000 NTU	End: 50 NTU	N/A

Water appearance (color and odor) at start of development:

Milky, no odor

Water appearance (color and odor) at end of development:

Clear, no odor

Report Prepared By:	Date
John Locklear	March 22, 2012
Title/Company	License #
President Locklear & Associates, LLC	PG 2467

PLEASE ATTACH BORING LOG

Remarks

DEP Form # 62-520.900(3)
Form Title MONITORING WELL COMPLETION REPORT
Effective Date July 12, 2009
DEP Application No.
(Filled in by DEP)

Florida Department of Environmental Protection

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

MONITORING WELL COMPLETION REPORT

PART I: GENERAL INFORMATION

Well ID: MW-17B	Site Name: Enterprise Class III Landfill		Well Install Date 2/27-2/28 20012
Facility ID 87895	Alternate ID	FLUWID #	WMD Permit # 819037

Well Purpose ☐ Background ☒ Intermediate ☐ Compliance ☐ Other (explain) Detection

Latitude (to nearest 0.1 seconds) N 1454141.727

Longitude (to nearest 0.1 seconds) E 612764.557

Latitude and Longitude collection method: ☐ DGPS ☐ AGPS ☐ MAP ☐ ZIPCODE ☐ DPHO ☒ UNKNOWN ☐ OTHER Professional Land Surveyor

PART II: WELL CONSTRUCTION DETAILS

Contractor Name: Ben Huss

Contractor License #: 9342

Company Name: Huss Drilling, Inc.

Construction Method: ☒ Hollow Stem Auger ☐ Solid Stem Auger ☐ Water/Mud Rotary ☐ Air Rotary ☐ Cable Tool ☐ Direct Push ☐ Sonic ☐ Other (describe)

Aquifer Monitored: Floridan

Top of Casing Elevation (NVGD or NAVD): 87.21 Feet, NGVD

Ground Surface Elevation (NVGD or NAVD): 84.56 Feet, NGVD

Casing

Material	Inside Diameter	Outside Diameter	Depth (ft.)	
			From	To
Sch 40 PVC	2.06 inch	2.37 inch	0	58.5

Screen

Material	Inside Diameter	Outside Diameter	Depth (ft.)		Slot Size
			From	To	
Sch 40 PVC	2.06 inch	2.37 inch	58.5	78.5	0.010-inch

Annulus

Material including additives for sealant	Size of Material	Amount (# of bags)	Depth (ft.)		Installation Method
			From	To	
Silica sand	20/30	12	56	78.5	Pour
Bentonite	N/A	1	54	56	Pour
Portland Type I cement	N/A		0	54	Tremie pipe

PART III: WELL DEVELOPMENT DETAILS

Well Development Date	Well Development Method: ☒ Surge/Pump ☐ Pump ☐ Compressed Air ☐ Other (explain)
Development Duration	Three hours

Pumping Rate	Maximum Drawdown	Well Purged Dry	Pumping Condition
3-4 GPM	Unknown	☐ yes ☒ no	☒ continuous ☐ intermittent

Turbidity (if Measured):		Stabilized Water Level (BLS)
Start: > 1000 NTU	End: 54 NTU	N/A

Water appearance (color and odor) at start of development:

Milky tan, no odor

Water appearance (color and odor) at end of development:

Clear, no odor

Report Prepared By:	Date
John Locklear	March 22, 2012
Title/Company	License #
President Locklear & Associates, LLC	PG 2467

PLEASE ATTACH BORING LOG

Remarks

HDR
ONE COMPANY | *Many Solutions*℠

January 8, 2009

CONSTRUCTION DETAILS
&
ABANDONMENT RECORDS

Mr. John Morris, P.G.
Florida Department of Environmental Protection – Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
JAN 12 2009
SOUTHWEST DISTRICT
TAMPA

RE: Compliance Monitoring Report – Second Semiannual 2008
Enterprise Class III Landfill and Recycling Facility
Permit No. 177982-008-SC and 177982-007-SO
Project Number: 0-79334

Dear Mr. Morris:

This report presents data from the semiannual sampling event at the Enterprise Class III Landfill and Recycling Facility on October 27, 28, and November 25, 2008.

All groundwater wells, which require sampling, were sampled during this event for the parameters listed in Specific Condition 4.c. of the permit with the exception of MW-4 and MW-11 which had insufficient water for sampling and MW-1A, MW-3, MW-8, MW-9, MW-10, and MW-12A which were dry. A minor permit modification required the installation of MW-1A and the abandonment of MW-1 and P-2. These activities were performed on October 31, 2008. The well abandonment forms for MW-1 and P-2 as well as the well completion report for MW-1A are included in Attachment 6. Newly installed monitoring well MW-1A contained insufficient water for sampling. This is a surficial aquifer monitoring well and was installed based on geologic strata rather than availability of groundwater at the time of installation. Pond 1 was dry and not sampled. Quality Assurance/Quality Control samples were also collected.

Monitoring wells MW-3A, MW-4A, MW-8, MW-9, MW-10, MW-11, and MW-12A are surficial aquifer monitoring wells. Water levels within the surficial aquifer have declined in recent years and may not be laterally continuous in all areas. Each monitoring location with a dry surficial aquifer well has an existing Floridan aquifer well installed in a cluster. Groundwater samples were collected from each Floridan aquifer well as required by permit, therefore, the Floridan aquifer monitoring well represents the uppermost waterbearing unit.

The pH in MW-7BR was reported at 9.50 S.U. which is consistent with the previous results and with historical values from the nearby MW-7B (now abandoned and replaced with MW-7BR). Values of pH in MW-6 to the north and MW-8B to the south were 5.03 S.U. and 6.81 S.U., respectively. Values of pH over 9.0 S.U. are most commonly a result of the influence of grout used during well construction, and not a result of impacts from landfills (typically pH values are less than 6.0 S.U. when impacted by landfill leachate). It appears that groundwater in the vicinity of MW-7BR is still being influenced by the large amount of grout used during the construction of MW-7B (MW-7BR was installed approximately 23 feet south of MW-7B). It is important to note that no other parameters were reported at or above applicable standards in the MW-7BR groundwater sample. Grout influence on pH is generally very localized. Continued monitoring in MW-7BR is warranted.

As discussed in the First Semiannual 2008 compliance monitoring report the protective cover of monitoring well MW-7A was damaged making sample collection impossible during the first semiannual event of 2008. The protective cover for MW-7A was repaired prior to this event and a sample was collected on November 25, 2008. The Turbidity was very high in MW-7A (161 NTU) but redevelopment was not possible due to insufficient water and extremely low recharge. As a result of the elevated Turbidity, levels of two metals (Mercury and Chromium) were reported at concentrations of 7 μg/L and 120 μg/L, respectively. Filtered Mercury and Chromium were also analyzed and reported much lower concentrations of 0.47 μg/L and <2.5 μg/L, respectively.

Parameters reported at or outside groundwater standards are presented in Attachment 2.

If you have any questions regarding this report, please contact me at (352) 642-1105.

Sincerely,

John D. Locklear, P.G.
Senior Project Manager

P:\Environmental - Consolidated\HDR\SOLID WASTE\ANGELOS (FLORIDA)\COMPLIANCE MONITORING\2008 (0-79334)\08s2\08S2_letter.doc

Xc: John Arnold, Angelos Recycled Materials
Jeff Rogers, Angelo's Recycled Materials
Andy Alipour, Pasco County

Attachment 1:	Groundwater Elevation Data and Groundwater Contour Map
Attachment 2:	Analysis Results Compared to Groundwater Standards
Attachment 3:	Groundwater Parameters At or Above the Laboratory Detection Limit
Attachment 4:	Parameter Monitoring Report Forms
Attachment 5:	Original Laboratory Data Including Chain-Of-Custody Forms
Attachment 6:	Well Completion Report for MW-1A and Well Abandonedment Forms for MW-1 and P-2

ATTACHMENT 6
WELL INSTALLATION AND WELL ABANDONMENT FORMS

Florida Department of Environmental Protection

3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767

MONITORING WELL COMPLETION REPORT

DATE: 10/31/08

FACILITY NAME: Enterprise Class III landfill

DER PERMIT NO.: 177982-007-S0/T3 WACS_FACILITY:SWD /51/ 87895

WACS MONITORING SITE_NUM 19567 WACS_WELL: MW-1A

WELL_TYPE: BACKGROUND X DETECTION _____ COMPLIANCE _____

LATITUDE AND LONGITUDE (seconds to two decimal places): 28° 19' 55.99" and -81° 08' 15.89" REVISED TO 82° 8' 15.89"

AQUIFER MONITORED: SURFICIAL

DRILLING METHOD: Hollow Stem Auger DATE INSTALLED: 09/20/08

INSTALLED BY: Huss Drilling

BORE HOLE DIAMETER 6¼ inches TOTAL DEPTH: 64 ft. (BLS)

CASING TYPE: Schedule 40 PVC CASING DIAMETER: 2" CASING LENGTH: 67 ft

SCREEN TYPE: Schedule 40 PVC SCREEN SLOT SIZE: 0.01" SCREEN LENGTH: 20 ft

SCREEN DIAMETER: 2" SCREEN INTERVAL: 44 ft TO 64ft (BLS)

FILTER PACK TYPE: Quartz Sand FILTER PACK GRAIN SIZE: 20/30

INTERVAL COVERED: 64ft TO 42ft (BLS)

SEALANT TYPE: Bentonite SEALANT INTERVAL: 42ft TO 40ft (BLS)

GROUT TYPE: Type I/II Portland cement GROUT INTERVAL: Land Surface TO 40ft (BLS)

TOP OF CASING ELEVATION (NGVD): 173.77ft GROUND SURFACE ELEVATION (NGVD): 170.93 ft

DESCRIBE WELL DEVELOPMENT: Well was dry

POST DEVELOPMENT WATER LEVEL ELEVATION (NGVD): NA

DATE AND TIME MEASURED: 9/20/08 0935

REMARKS:

NAME OF PERSON PREPARING REPORT:

John D. Locklear, P.G., HDR Engineering, Inc, 1(352) 642-1105, John.Locklear@hdrinc.com

(Name, Organization, Phone No., E-mail)

NOTE ATTACH AS-BUILT MW CONSTRUCTION DIAGRAM AND LITHOLOGIC LOG.
(NGVD) NATIONAL GEODETIC VERTICAL DATUM OF 1929 (BLS) = BELOW LAND SURFACE

DEP Form 62-522.900(3) Effective April 14, 1994

HDR Engineering, Inc.

Borehole and Well Construction Log

Page 1 of 1

Site Name: Enterprise Class III Landfill
HDR Project No.: 79334
Site Location: Pasco County

Boring ID: MW-1A
Date Begin: 9/20/2008
Date End: 9/20/2008

Contractor/Driller: Huss Drilling/ B.J.
Rig Type: BK51
Method: 6.25 HSA

Total Depth Drilled: 64 feet
Sample Method/Size: 2 inch Diameter Macrocore
Cutting Disposal: On Site

Well Construction Log

Borehole Log

Lithology | Description

Date & Time
Begin Drilling: 9/20/08 0750
End Drilling: 9/20/08 0935

Construction Details

Well Construction Intervals

Riser: 3.0 ft ALS -44 ft BLS
Screen: 44-64 ft BLS
Silt Trap:
Surf. Seal:
Seal: 40-42 ft BLS
Filter Pack: 42-64 ft BLS
Backfill: NA

Materials

Riser: 47 ft of 2" flush threaded, Schedule 40 PVC
Screen: 20ft of 2" flush threaded, 0.01 inch factory slotted, schedule 40 PVC
Surf. Seal:
Seal: 1 bags of bentonite
Filter Pack: 14-50lb bags of 20/30 quartz filter sand
Backfill: NA

Surface Completion

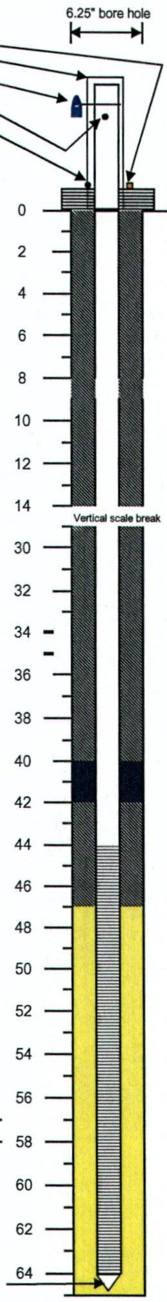
Protection: 4"x4"x4' steel protective case w/ silica aggregate in annular space & weep hole
Pad: 2'x2'x6" concrete pad
Lock: Master lock weather resistant lock

HDR Personnel

Field Work: Dan Lichtenwalter
Log Draft: John Locklear

Symbols
Concrete: ▤
Grout: ▨
Bentonite: ■
Sand: 🟨

Notes
' - feet
" - inches
BLS - below land surface
ALS - above land surface
bTOC - Below top of PVC casing
NA - not applicable
HSA - Hollow-stem auger
▼ - water level on



Elevations (FT-MSL)
PVC Top-of-Casing 173.77 ft.
Ground Surface 170.93
Note: FT-MSL - feet above mean sea level

Horizontal Position (N/E)
Lat 28° 19' 55.99"
Long -81° 08' 15.89"

0-10 ft BLS Orange Sand

10-61 ft. BLS Interbedded sands, clayey sands, and clay

64 ft. limestone

Notes:
1. Development:
Well was dry at development

MW-1

STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL

☑ Southwest
☐ Northwest
☐ St. Johns River
☐ South Florida
☐ Suwannee River

CHECK BOX FOR APPROPRIATE DISTRICT ADDRESS ON BACK OF PERMIT FORM

THIS FORM MUST BE FILLED OUT COMPLETELY.

The water well contractor is responsible for completing this form and forwarding the permit to the appropriate delegated county where applicable.

Permit No. 778329
Florida Unique I.D.
Permit Stipulations Required (See attached) 04
62-524 Quad # ______ Delineation # ______
CUP/WUP Application No. ______

ABOVE THIS LINE FOR OFFICIAL USE ONLY

Fold at this line in order that address is visible through envelope window

1. ANGELOS AGGREGATE MATERIALS LTD — PO BOX 1493 — LARGO FL — 33779-0000
Owner, Legal Name of Entity if Corportation — Address — City — Zip — Telephone Number

2. 41111 Enterprise Rd., Dade City
Well Location _ Address, Road Name or number, City
Parcel # (Pin) 222508000049900020

3. STEPHANIE S STALLSMITH — 9342 — (352) 567-9500
Well Drilling Contractor — License No. — Telephone No.

35920 STATE ROAD 52
Address

DADE CITY — FL — 33525
City — State — Zip

4. ______ 1/4 of ______ 1/4 of Section 8
smallest — biggest
(Indicate Well on Chart)

NW NE SW SE

5. Township 25 Range 22

6. PASCO
County — Subdivision Name — Lot — Block — Unit

7. Number of proposed wells 1 Check the use of well: (See back of permit for additional choices) ______ Domestic Monitor (type) ______

______ Irrigation (Type) Public Water Supply (type) ______ List Other PLUGGED
(See Back) (See Back)

Distance from septic system ______ ft. Description of facility ______ Estimated start of construction date 9/19/2008

8. Application for: ______ New Construction ______ Repair/Modify ✓ Abandonment not in use (Reason for Abandonment)

Date Stamp

Received: Wednesday, September 17, 2008

9. Estimated: Well Depth 53 Casing Depth ______ Screen Interval from ______ to ______
Casing Material: Blk-Steel / Gal / PVC Casing Diameter 2 (smallest) Seal Material Cement

10. If applicable: Proposed Grouting Interval
From 0 to 53 Seal Material Cement
From ______ to ______ Seal Material ______
From ______ to ______ Seal Material ______

11. Telescope Casing ______ or Liner ______ (check one) Diameter ______
Blk-Steel / Galvanized / PVC Other (specify:) ______

12. Method of Construction: ______ Rotary ______ Cable Tool ______ Combination
______ Auger ✓ Other (specify:) Plugged by approved method

13. Indicate total No. of wells on site 0 List number of unused wells on site 2

14. Is this well or any other well or water withdrawal on the owner's contiguous property covered under a Consumptive/Water Use Permit (CUP/WUP) or CUP/WUP Application? ✓ No ______ Yes

(IF YES, COMPLETE THE FOLLOWING) CUP/WUP No. ______

District well I.D. No. ______

Latitude 28° 19' 42.77" Longitude 82° 7' 56.36"

Data obtained from GPS ______ or map ______ or survey ______ *(map datum NAD 27 ______ NAD 83 ______)*

Draw a map of well location and indicate well site with an "X" identify known roads and landmarks: provide distances betwen well and landmarks.

North

Site is West of Auton Rd. on Enterprise Rd.

West East South

15. I hereby certify that I will comply with the applicable rules of Title 40, Florida Administrative Code and that a water use permit or artificial recharge permit, if needed, has been or will be obtained prior to commencement of well construction. I further certify that all information provided on this application is accurate and that I will obtain necessary approval from other federal, state, or local governments, if applicable. I agree to provide a well completion report to the District within 30 days after drilling or the permit expiration, whichever occurs first.

I certify that I am the owner of the property, that the information provided is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes, to maintain or properly abandon this well; or, I certify that I am the agent for the owner, that the information provided is accurate, and that I have informed the owner of his responsibilities as stated above. Owner consents to personnel of the WMD or a representative access to the well site.

Digitally Signed — 9342 — Digitally Signed
Signature of Contractor — License No. — Owner's or Agent's Signature — Date

DO NOT WRITE BELOW THIS LINE - FOR OFFICIAL USE ONLY

Approval Granted By: Automatically Issued Issue Date: 9/17/2008 Hydrologist Approval ______ Initials

Owner Number: ______ Fee Received: $ .00 Receipt No.: ______ Check No.: ______

THIS PERMIT NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD. IT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL DRILLING OPERATIONS. *This permit is valid for 90 days from the date of issue.*

FORM 41.10 - 410 (1) REV. 12/04

WHITE: ORIGINAL FILE
YELLOW: DRILLING CONTRACTOR
PINK: OWNER

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT #: 778329.1 CUP/WUP#: ______ DID#: ______
Indicate the number of wells drilled/abandoned for this report: 1
Indicate the number of wells permitted but not drilled/abandoned that are being cancelled: ______

WATER WELL CONTRACTOR'S SIGNATURE Digitally Signed License # 9342

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (ft.)	To (ft.)
Neat Cement:	1	0	53
Bentonite:			
(Other)			

WELL LOCATION: County Pasco
______ 1/4 of ______ 1/4 of Section 8, Township 25, Range 22
Latitude: 28° 19' 42.77", Longitude: -82° 7' 56.36"

DATE STAMP
Sep 25 2008
Official Use Only

Sketch of well location on property

Give distances from septic tank and house, or other reference points

CHEMICAL ANALYSIS WHEN REQUIRED
Iron: ____ppm Sulfate: ____ppm
Chlorides: ____ ppm TDS ____ mg/l
Conductivity ______ umhos/cm
☐ Lab Test ☐ Field Test Kit

Pump Type
☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine
Horsepower: ______ Capacity: ______ GPM: ______
Pump Depth: ______ft. Intake Depth: ______ft.

Form LEG-R.005.00(10/05)

OWNER'S NAME: ANGELOS AGGREGATE MATERIALS LTD
COMPLETION DATE: 09/20/2008 Florida Unique I.D.: ______
Parcel # (Pin): 2225080000499000020

WELL USE:
☐ Public Supply ☐ Irrigation ☐ Domestic ☐ Monitor
☐ Injection ☒ Other PLUGGED

DRILL METHOD:
☐ Rotary ☐ Cable Tool ☐ Combination
☐ Jet ☐ Auger ☒ Other Plugged

Measured Static Water Level: ______ Measured Pumping Water Level: ______
After ____Hours at ____GPM. Measuring Pt. (Describe): ______
Which is ____ft. ☐ above ☒ below land surface
Casing: ☐ Black Steel ☐ Galvanized ☒ PVC ☐ Other: ______

☐ Open Hole ☐ Screen	Depth (feet)		DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones.
Casing Diameter and Depth (ft.)	From	To	*Color* | *Grain Size* | *Type of Material*
Diameter: 2 From: 0 To: 53	Plugged by approved method		
Diameter: ______ From: ______ To: ______			
Liner ☐ or Casing ☐ Diameter: ______ From: ______ To: ______			
Top part of well removed due to elevation change			

Driller's Name (print or type): Carl Jenkins

P-2

STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL

☑ Southwest
☐ Northwest
☐ St. Johns River
☐ South Florida
☐ Suwannee River

CHECK BOX FOR APPROPRIATE DISTRICT ADDRESS ON BACK OF PERMIT FORM

THIS FORM MUST BE FILLED OUT COMPLETELY.

The water well contractor is responsible for completing this form and forwarding the permit to the appropriate delegated county where applicable.

Permit No. 778330
Florida Unique I.D.
Permit Stipulations Required (See attached)
04
62-524 Quad # ______ Delineation # ______
CUP/WUP Application No.
ABOVE THIS LINE FOR OFFICIAL USE ONLY

Fold at this line in order that address is visible through envelope window

1. ANGELOS AGGREGATE MATERIALS LTD PO BOX 1493 LARGO FL 33779-0000
Owner, Legal Name of Entity if Corportation Address City Zip Telephone Number

2. 41111 Enterprise Rd., Dade City
Well Location _ Address, Road Name or number, City
Parcel # (Pin) 2225080000499000020

3. STEPHANIE S STALLSMITH 9342 (352) 567-9500
Well Drilling Contractor License No. Telephone No.

35920 STATE ROAD 52
Address

DADE CITY FL 33525
City State Zip

4. ______ 1/4 of ______ 1/4 of Section 8
smallest biggest
(Indicate Well on Chart)

5. Township 25 Range 22

NW NE SW SE

6. PASCO
County Subdivision Name Lot Block Unit

7. Number of proposed wells 1 Check the use of well: (See back of permit for additional choices) ______ Domestic Monitor (type)______

______ Irrigation (Type) (See Back) Public Water Supply (type) ______ (See Back) List Other PLUGGED

Distance from septic system ______ ft. Description of facility ______ Estimated start of construction date 9/19/2008

8. Application for: ______ New Construction ______ Repair/Modify ✓ Abandonment not in use (Reason for Abandonment)

Date Stamp

Received: Wednesday, September 17, 2008

9. Estimated: Well Depth 100 Casing Depth ______ Screen Interval from ____ to ____
Casing Material: Blk-Steel / Gal / PVC Casing Diameter 2 smallest Seal Material Cement

10. If applicable: Proposed From 0 to 100 Seal Material Cement
Grouting Interval From ______ to ______ Seal Material ______
From ______ to ______ Seal Material ______

11. Telescope Casing ____ or Liner ____ (check one) Diameter ______
Blk-Steel / Galvanized / PVC Other (specify:)______

12. Method of Construction: ______ Rotary ______ Cable Tool ______ Combination
______ Auger ✓ Other (specify:) Plugged by approved method

13. Indicate total No. of wells on site 0. List number of unused wells on site 2.

14. Is this well or any other well or water withdrawal on the owner's contiguous property covered under a Consumptive/Water Use Permit (CUP/WUP) or CUP/WUP Application? ✓ No ___ Yes

(IF YES, COMPLETE THE FOLLOWING) CUP/WUP No. ______

District well I.D. No. ______

Latitude 28° 19' 42.68" Longitude 82° 7' 56.36"

Data obtained from GPS ____ or map ____ or survey ____ (*map datum NAD 27*___ *NAD 83*___)

Draw a map of well location and indicate well site with an "X" identify known roads and landmarks: provide distances betwen well and landmarks.

North

Site is West of Auton Rd. on Enterprise Rd.

West East

South

15. I hereby certify that I will comply with the applicable rules of Title 40, Florida Administrative Code and that a water use permit or artificial recharge permit, if needed, has been or will be obtained prior to commencement of well construction. I further certify that all information provided on this application is accurate and that I will obtain necessary approval from other federal, state, or local governments, if applicable. I agree to provide a well completion report to the District within 30 days after drilling or the permit expiration, whichever occurs first.

I certify that I am the owner of the property, that the information provided is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes, to maintain or properly abandon this well; or, I certify that I am the agent for the owner, that the information provided is accurate, and that I have informed the owner of his responsibilities as stated above. Owner consents to personnel of the WMD or a representative access to the well site.

Digitally Signed 9342 Digitally Signed
Signature of Contractor License No. Owner's or Agent's Signature Date

DO NOT WRITE BELOW THIS LINE - FOR OFFICIAL USE ONLY

Approval Granted By: Automatically Issued Issue Date: 9/17/2008 Hydrologist Approval ______ Initials

Owner Number: ______ Fee Received: $ .00 Receipt No.: ______ Check No.: ______

THIS PERMIT NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD. IT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL DRILLING OPERATIONS. *This permit is valid for 90 days from the date of issue.*

FORM 41.10 - 410 (1) REV. 12/04

WHITE: ORIGINAL FILE
YELLOW: DRILLING CONTRACTOR
PINK: OWNER

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT #: 778330.1 CUP/WUP#: ______ DID#: ______

Indicate the number of wells drilled/abandoned for this report: 1

Indicate the number of wells permitted but not drilled/abandoned that are being cancelled: ______

WATER WELL CONTRACTOR'S SIGNATURE Digitally Signed License # 9342

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (ft.)	To (ft.)
Neat Cement:	2	0	100
Bentonite:			
(Other)			

WELL LOCATION: County Pasco

______ 1/4 of ______ 1/4 of Section 8, Township 25, Range 22

Latitude: 28° 19' 42.68", Longitude: -82° 7' 56.36"

DATE STAMP

Sep 25 2008

Official Use Only

Sketch of well location on property

Give distances from septic tank and house, or other reference points

CHEMICAL ANALYSIS WHEN REQUIRED

Iron: ____ppm Sulfate: ____ppm

Chlorides: ____ ppm TDS ____ mg/l

Conductivity ______ umhos/cm

☐ Lab Test ☐ Field Test Kit

Pump Type

☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine

Horsepower: ______ Capacity: ______ GPM: ______

Pump Depth: ______ft. Intake Depth: ______ft.

Form LEG-R.005.00(10/05)

OWNER'S NAME: ANGELOS AGGREGATE MATERIALS LTD

COMPLETION DATE: 09/20/2008 Florida Unique I.D.: ______

Parcel # (Pin): 2225080000499000020

WELL USE:

☐ Public Supply ☐ Irrigation ☐ Domestic ☐ Monitor

☐ Injection ☒ Other PLUGGED

DRILL METHOD:

☐ Rotary ☐ Cable Tool ☐ Combination

☐ Jet ☐ Auger ☒ Other Plugged

Measured Static Water Level: ______ Measured Pumping Water Level: ______

After ____Hours at ____GPM. Measuring Pt. (Describe): ______

Which is ____ft. ☐ above ☒ below land surface

Casing: ☐ Black Steel ☐ Galvanized ☒ PVC ☐ Other: ______

☐ Open Hole ☐ Screen	Depth (feet)		DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones.
Casing Diameter and Depth (ft.)	From	To	*Color* | *Grain Size* | *Type of Material*
Diameter: 2 From: 0 To: 100	Plugged by approved method		
Diameter: ____ From: ____ To: ____			
Liner ☐ or Casing ☐ Diameter: ____ From: ____ To: ____			
Top of part of well removed due to elevation change			

Driller's Name (print or type): Carl Jenkins

HDR ONE COMPANY | *Many Solutions* SM

252513
JRM
12/28/07

December 5, 2007

Mr. John Morris, P.G.
Florida Department of Environmental Protection – Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
DEC 06 2007
SOUTHWEST DISTRICT
TAMPA

RE: Monitoring Well MW-11B Installation Report
Enterprise Recycling & Disposal Facility
Permit No. 177982-007-SO
HDR Project Number: 0-69055

[Monitor well construction details filed separately]

Dear Mr. Morris:

Detection monitoring well MW-11B has been installed as required by Specific Condition E.3 of the above referenced permit. Copies of the well completion report and well construction log for MW-11B are provided in Attachment 1. A map of the monitoring network is provided in Attachment 2.

Monitoring well MW-11B was sampled on November 5, 2007. At the time of sampling monitoring well MW-11 had insufficient water for sampling. Monitoring well MW-11B was sampled for the parameters listed in Specific Condition E.4 of the permit. Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene were detected in MW-11B at levels above the Florida Groundwater Cleanup Target Levels. These two parameters were also detected in the equipment blank collected with the samples. The presence of these parameters in the equipment blank indicates that the values reported are not representative of actual groundwater quality. To further evaluate this issue, MW-11B will be sampled for Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene along with the routine semiannual parameter list during the Second Semiannual 2007 sampling event scheduled to begin on December 17th.

Parameters reported at or outside groundwater standards are presented in Attachment 3. A table presenting parameters at or above the laboratory detection limit is presented in Attachment 4. Parameter monitoring Report forms (PMRs) and original laboratory data are presented in Attachments 5 and 6, respectively.

If you have any questions regarding this report, please contact me at (352) 682-0781.

Sincerely,

John D. Locklear, P.G.
Senior Project Manager

C:\Environmental\Environmental\EnvDocs\Angelos Enterprise\07S1\07S1_letter.doc

Xc: Jeff Rogers, Angelo's
Andy Alipour, Pasco County
John Arnold

Attachment 1:	Well Completion Report and Well Log
Attachment 2:	Site Location Map
Attachment 3:	Analysis Results Compared to Groundwater Standards
Attachment 4:	Groundwater Parameters At or Above the Laboratory Detection Limit
Attachment 5:	Parameter Monitoring Report Forms
Attachment 6:	Original Laboratory Data Including Chain-Of-Custody Forms

HDR Engineering, Inc.

4140 NW 37th Place
Suite A
Gainesville, FL 32606-8153

Phone: (352) 642-1100
Fax: (352) 642-1101
www.hdrinc.com

ATTACHMENT 1

Florida Department of Environmental Protection

3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767

MONITORING WELL COMPLETION REPORT

DATE: 11/16/07

FACILITY NAME: Enterprise Class III landfill

DER PERMIT NO.: 177982-007-S0/T3 WACS_FACILITY: SWD /51/ 87895

WACS MONITORING SITE_NUM ________ WACS_WELL:

WELL_TYPE: BACKGROUND ________ DETECTION X COMPLIANCE ________

LATITUDE AND LONGITUDE (seconds to two decimal places): N-1452360.601 E-613419.836 State Plane Coordinates

AQUIFER MONITORED: Floridan

DRILLING METHOD: Hollow Stem Auger DATE INSTALLED: 10/31/2007

INSTALLED BY: Huss Drilling

BORE HOLE DIAMETER 6¼ inches TOTAL DEPTH: 82.5 ft (BLS)

CASING TYPE: Schedule 40 PVC CASING DIAMETER: 2" CASING LENGTH: 70 ft

SCREEN TYPE: Schedule 40 PVC SCREEN SLOT SIZE: 0.01" SCREEN LENGTH: 15 ft

SCREEN DIAMETER: 2" SCREEN INTERVAL: 67 ft TO 82ft (BLS)

FILTER PACK TYPE: Quartz Sand FILTER PACK GRAIN SIZE: 20/30

INTERVAL COVERED: 65ft TO 82ft (BLS)

SEALANT TYPE: Bentonite SEALANT INTERVAL: 62ft TO 65ft (BLS)

GROUT TYPE: Type I/II Portland cement GROUT INTERVAL: Land Surface TO 62ft (BLS)

TOP OF CASING ELEVATION (NGVD): 106.11ft GROUND SURFACE ELEVATION (NGVD): 103.13 ft

DESCRIBE WELL DEVELOPMENT: Well was pumped for approximately one and a half hours at a rate of 2.6 gpm until pH, conductivity, temperature and turbidity stabilized.

POST DEVELOPMENT WATER LEVEL ELEVATION (NGVD): 66.21

DATE AND TIME MEASURED: 11/5/07 1430

REMARKS: ________

NAME OF PERSON PREPARING REPORT:

Kris Crockett, HDR, 1(352) 642-1108, Kris.Crockett@hdrinc.com

(Name, Organization, Phone No., E-mail)

NOTE ATTACH AS-BUILT MW CONSTRUCTION DIAGRAM AND LITHOLOGIC LOG.
(NGVD) NATIONAL GEODETIC VERTICAL DATUM OF 1929 (BLS) = BELOW LAND SURFACE

DEP Form 62-522.900(3) Effective April 14, 1994

Soil Boring Log

PROJECT NAME:Enterprise Class III Landfill		
LOCATION: Pasco County		
DRILLER:Huss drilling	BORING/WELL ID NO.	*APPROX. LAND SURFACE ELEVATION:103.13 feet*
DRILLING METHOD: Hollow stem Auger	***MW- 11b***	*DEPTH TO GROUNDWATER:40.90 ft BL top of casing*
DATE STARTED:10/31/07 *DATE COMPLETED: 10/31/07*		*ON-SITE GEOLOGIST: Kris Crockett*

DEPTH (ft bls)	SAMPLING METHOD	BLOWS PER 6"	N-VALUE	RECOVERY	SAMPLE DESCRIPTION/COMMENTS	USCS
10-12	Split spoon				Grey, clayey, fine quartz sand.	
20-22	Split spoon				Grey, clayey, fine quartz sand.	
30-32	Split spoon				Grey and orange interbedded, silty, fine quartz sand.	
35-37	Split spoon				Grey and orange interbedded, silty, fine quartz sand.	
40-42	Split spoon				Grey and orange interbedded, Clayey, fine quartz sand.	
45-47	Split spoon				Grey and orange interbedded, silty, fine quartz sand.	
50-52	Split spoon				Grey and orange interbedded, silty, fine quartz sand.	
55-57	Split spoon				Grey and orange interbedded, Clayey, fine quartz sand.	
60-62	Split spoon				Grey and orange interbedded, silty, clay.	
65-67	Split spoon				Limestone with interbedded coarse orange sand lenses	
75-77	Split spoon				Limestone	

HDR

NOTES:

HDR Engineering, Inc.

Borehole and Well Construction Log

Page 1 of 1

Site Name: Enterprise Class III Landfill
HDR Project No.: 60365
Site Location: Pasco County

Boring ID: MW-11b
Date Begin: 10/31/2007
Date End: 10/31/2007

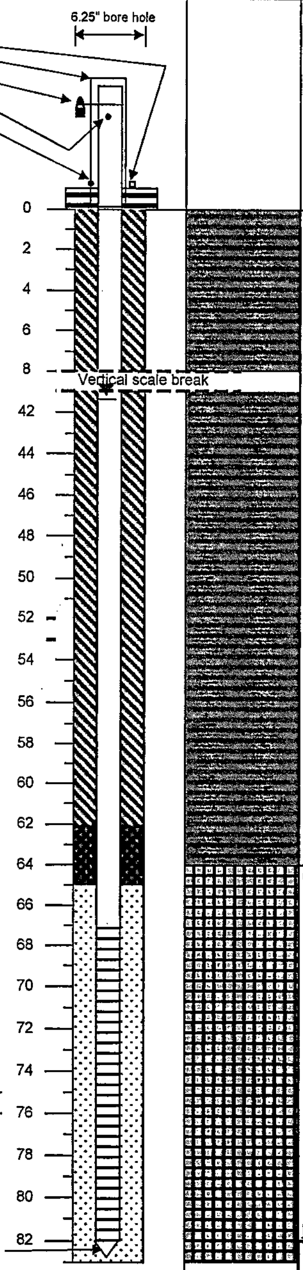
Contractor/Driller: Huss Drilling/ B.J.
Rig Type: BK51
Method: 6.25 HSA

Total Depth Drilled: 82.5 feet
Sample Method/Size: 2 inch Diameter Macrocore
Cutting Disposal: On Site

Well Construction Log

Borehole Log

Lithology | Description



Elevations (FT-MSL)
PVC Top-of-Casing 106.11 feet
Survey Pin 103.13 feet
Ground Surface 102.63

Note: FT-MSL - feet above mean sea level

Horizontal Position (N/E)
N 1452360.601
E 613419.836

40.90 - water level o

0-64 ft BLS Interbeddedd Grey and Orange, silty to clayey, fine quartz sand

64-82.5 ft BLS Limestone with interbedded orange shelly coarse quartz sand lenses. Boring terminated at 82.5ft

Date & Time
Begin Drilling: 10/31/07 0900
End Drilling: 10/31/07 1630

Construction Details

Well Construction Intervals

Riser: 3.0 ft ALS -67 ft BLS
Screen: 67-82 ft BLS
Silt Trap: 82-82.5 ft BLS
Surf. Seal: 0.0-62 ft BLS
Seal: 62-65 ft BLS
Filter Pack: 65-82 ft BLS
Backfill: NA

Materials

Riser: 73 ft of 2" flush threaded, Schedule 40 PVC
Screen: 15ft of 2" flush threaded, 0.01 inch factory slotted, schedule 40 PVC
Surf. Seal: 8-80lb bags of type I/II Portland Cement
Seal: 2 bags of bentonite
Filter Pack: 12-50lb bags of 20/30 quartz filter sand
Backfill: NA

Surface Completion

Protection: 4"x4"x4' steel protective case w/ silica aggregate in annular space & weep hole
Pad: 2'x2'x6" concrete pad
Lock: Master lock weather resistant lock

HDR Personnel

Field Work: Kris Crockett
Log Draft: Kris Crockett

Symbols
Concrete: ▤
Grout: ▨
Bentonite: ■
Sand: ░

Notes
' - feet
" - inches
BLS - below land surface
ALS - above land surface
bTOC - Below top of PVC casing
NA - not applicable
HSA - Hollow-stem auger
▼ - water level on

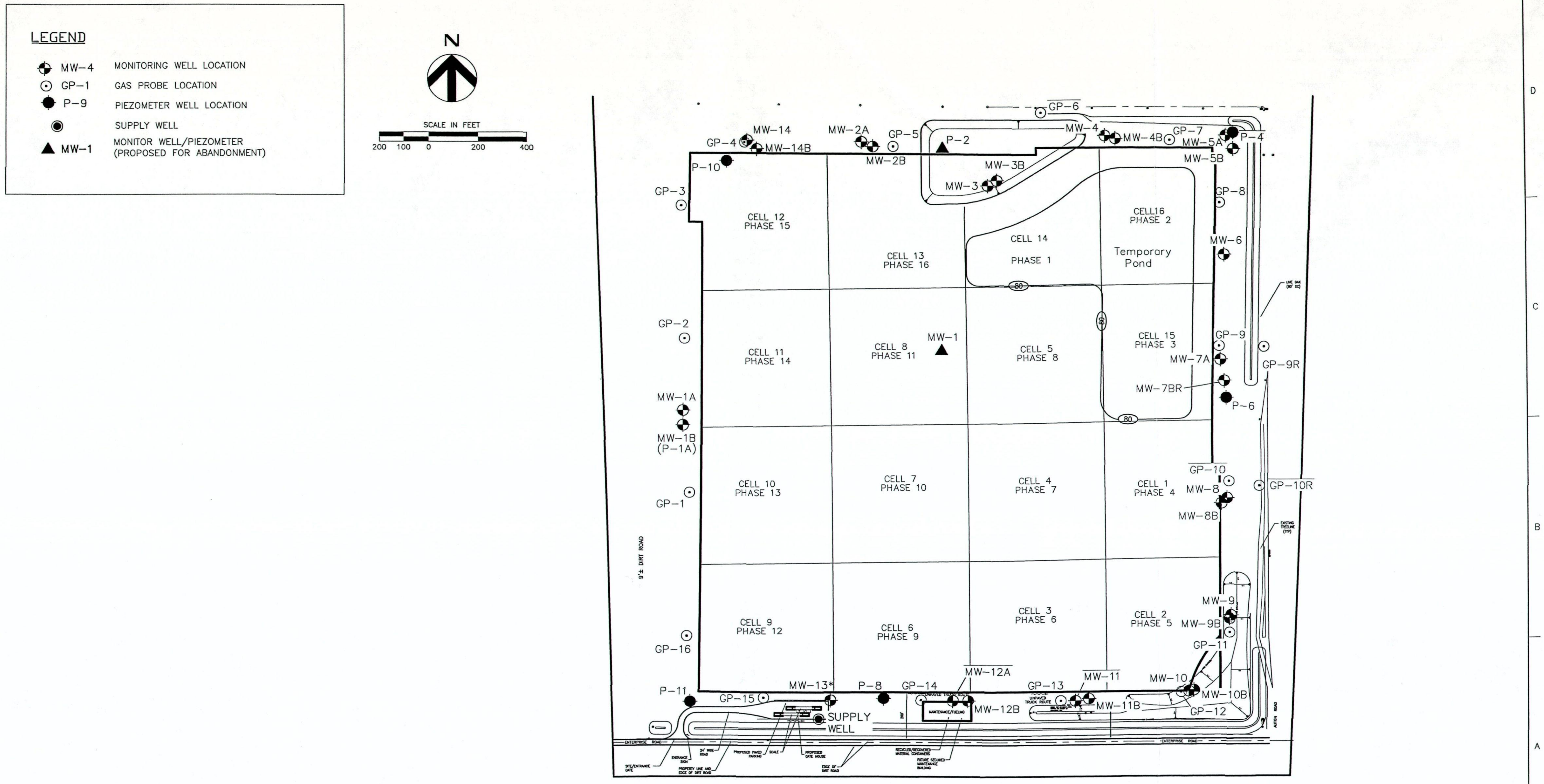
Notes:

1. Development:
Prior to development, water level was measured at 40.90 ft bTOC. Monitoring well was initially pumped at approximately 2.6 gpm for 1 hour and 30 minutes. Total of 234 gallons pumped. Final turbidity measured at 2.69 NTUs.

2. Post Development
39.9 ft bTOC.

3. Well Construction & Materials:
2.57 cubic feet of filter sand 0.57 cubic feet of bentonite, and 7.18 cubic feet of Type I/II Portland cement was used in well construction. 2.0 cubic feet of concrete was used in pad construction.

ATTACHMENT 2



HDR

HDR ENGINEERING, INC.
200 W. FORSYTH ST.
SUITE 800
JACKSONVILLE, FL 32202
(904) 598-8900

ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	J. LOCKLEAR, P.G.
DESIGNED	
DESIGNED	
CHECKED BY	
DRAWN BY	M. AUSTIN
DRAWN BY	D. SOSA
PROJECT NUMBER	69055

ENTERPRISE ROAD
RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

MONITORING NETWORK

0 1" 2"
AT FULL SIZE BAR LENGTH EQUALS TWO INCHES. ADJUST SCALE ACCORDINGLY.

FILENAME FIG-01.dwg
SCALE 1"=200'

SHEET
FIG-01

HDR ON OMPANY | *Many Solutions* SM

252513
JRM
12/28/07

August 28, 2007

Dept. of Environmental
Protection

AUG 29 2007

Southwest District

Mr. John Morris, P.G.
Florida Department of Environmental Protection
13051 N. Telecom Parkway
Temple Terrace, Florida 33637

Re: Monitoring Well MW-7BR Installation Report
Enterprise Recycling & Disposal Facility
FDEP Permit No. 177982-007-SO/T3

[MONITOR WELL CONSTRUCTION DETAILS FILED SEPARATELY]

Dear John:

Detection monitoring well MW-7BR has been installed as required by Specific Condition E(3) of the above referenced permit. Monitoring well MW-7BR replaces MW-7B, which was abandoned in accordance with Specific Conditions E(3) and E(6). Copies of the well completion report and well construction log for MW-7BR are provided in Attachment 1. A copy of the Southwest Florida Water Management District well abandonment record for MW-7B is provided in Attachment 2. A map of the site monitoring network is provided in Attachment 3.

Groundwater was sampled from detection monitoring well MW-7BR and analyzed for the parameters listed in Rules 62-701.510(8)(a) and (d), F.A.C. as required by Specific Condition E(5)(c). Copies of the well development notes, well sampling notes and laboratory analytical report are provided in Attachment 4. As shown in the laboratory report, all parameters were within applicable groundwater standards with the exception of pH. The reported pH value was 9.94 which is comparable to recent values reported for MW-7B. We are currently reviewing available historical information to further evaluate the elevated pH values reported for both MW-7B and MW-7BR. A summary of our review will be provided in the Second Semiannual 2007 compliance monitoring report.

Please call me at (352) 682-0781 if you have any questions.

Respectfully,

John Locklear, P.G.
Senior Project Manager

8/28/07
John Locklear
FL PG 2467

ATTACHMENT 1

MW-7BR WELL COMPLETION REPORT
AND WELL BORING LOG

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No.
(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: August 27, 2007

INSTALLATION NAME: Enterprise Class III Recycling and Disposal Facility

DEP PERMIT NUMBER: 177982-007-SO/T3 GMS NUMBER: SWD/51/87895

WELL NUMBER: 22592 WELL NAME: MW-7BR

DESIGNATION: Background Immediate X Compliance

LATITUDE/LONGITUDE: 28 19' 58" 82 07' 51"

AQUIFER MONITORED: Floridan

INSTALLATION METHOD: Hollow stem auger

INSTALLED BY: Huss Drilling, Inc.

TOTAL DEPTH: 59 (bls) DEPTH OF SCREEN: 49 to 59 (bls)

SCREEN LENGTH: 10 SCREEN SLOT SIZE: 0.010 inch SCREEN TYPE: PVC

CASING DIAMETER: 2 inch CASING TYPE: PVC

LENGTH OF CASING: 49 feet FILTER PACK MATERIAL: 20/30 silica sand

TOP OF CASING ELEVATION (MSL): 103.27

GROUND SURFACE ELEVATION (MSL): 100.41

COMPLETION DATE: July 10, 2007

DESCRIBE WELL DEVELOPMENT: pump and surge, see attached field notes

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 61.75

DATE AND TIME MEASURED: 1330 on July 17, 2007

REMARKS: (soils information, stratigraphy, etc.) :see attached boring log

REPORT PREPARED BY: John Locklear, P.G. HDR Engineering, Inc. 352-682-0781
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG. (bls)= Below Land Surface

Borehole and Well Construction Log

Page 1 of 1

Site Name: Enterprise Class III
Boring ID: MW-7BR
Date Begin: 10-Jul-07
Date End: 10-Jul-07

Contractor/Driller: Huss Drilling
Rig Type: BK 51
Method: Hollow stem auger

Well Construction Log | Sample Interval | Graphic Log | Description

Elevations (FT-MSL)
PVC Top-of-Casing 103.27
Concrete Pad 100.41

Horizontal Position (Lat/Long)
Lat 28 19'58"
Long 82 07'51"

Note: FT-MSL - feet above mean sea level

Date & Time
Begin Drilling: 07/10/07 0845
End Drilling: 07/10/07 1500

Construction Details

Well Construction Intervals

Riser: 49 ft BLS -3.0 ft ALS
Screen: 49-59 ft BLS
Silt Trap: 59.0-59.5 ft BLS
Surf. Seal: 0.0-44 ft BLS
Seal: 44-47 ft BLS
Filter Pack: 47-59.5 ft BLS
Backfill: NA

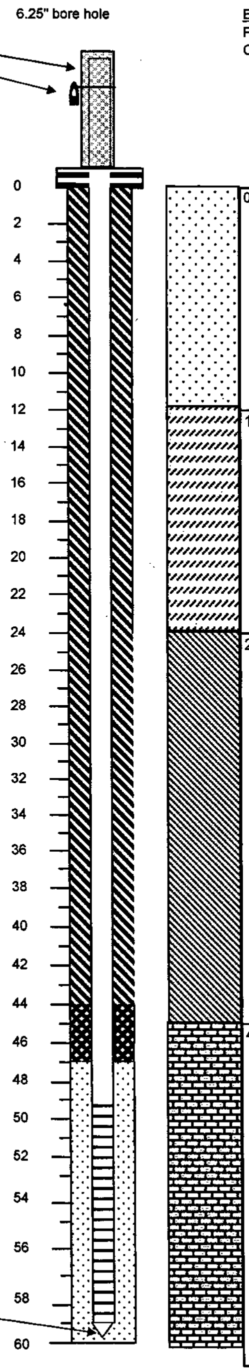
Materials

Riser: 50 ft of 2" flush threaded, Schedule 40 PVC
Screen: 10 ft of 2" flush threaded, 0.010 in. factory slotted, schedule 40 PVC
Surf. Seal: 12-94- lb bags of Type I/II Portland Cement
Seal: Benonite hole plug
Filter Pack: 7 - 50 lb bags of 20/30 quartz filter sand.
Backfill: NA

Surface Completion

Protection: 4'x4'x4' steel protective case w/ silica aggregate in annular space & weep hole
Pad: 2'x2'x6" concrete pad

Field Work: Dan Lichtenwalter
Log Draft: John Locklear



0 -12 SAND, orange, fine

12 - 24 Sandy clay, orange

24 - 45 Clay, tan, moist beginning at 40 feet

45 - 60 Limestone, wet

Symbols
Concrete: ▬
Grout ▨
Fine Sand ▩
Sand ⁘

Notes
' - feet
" - inches
BLS - below land surface
ALS - above land surface
bTOC - Below top of PVC casing
NA - not applicable
HSA - Hollow-stem auger

ATTACHMENT 2

MW-7B ABANDONMENT RECORDS

STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL

☑ Southwest
☐ Northwest
☐ St. Johns River
☐ South Florida
☐ Suwannee River

CHECK BOX FOR APPROPRIATE DISTRICT ADDRESS ON BACK OF PERMIT FORM

THIS FORM MUST BE FILLED OUT COMPLETELY.

The water well contractor is responsible for completing this form and forwarding the permit to the appropriate delegated county where applicable.

Permit No. 763433
Florida Unique I.D. ______
Permit Stipulations Required (See attached)
04
62-524 Quad # ______ Delineation # ______
CUP/WUP Application No. ______
ABOVE THIS LINE FOR OFFICIAL USE ONLY

Fold at this line in order that address is visible through envelope window

1. ANGELOS AGGREGATE MATERIALS LTD — PO BOX 1493 — LARGO FL — 33779-0000
Owner, Legal Name of Entity if Corporation — *Address* — *City* — *Zip* — *Telephone Number*

2. 41111 Enterprise Rd, N/A
Well Location _ Address, Road Name or number, City
Parcel # (Pin) 222507000001000030

3. STEPHANIE S STALLSMITH — 9342 — (352) 567-6646
Well Drilling Contractor — License No. — Telephone No.

35920 STATE ROAD 52
Address

DADE CITY — FL — 33525
City — State — Zip

4. ______ (smallest) 1/4 of ______ (largest) 1/4 of Section 7 (Indicate Well on Chart)

5. Township 25 Range 22

NW NE SW SE

6. PASCO
County — Subdivision Name — Lot — Block — Unit

7. Number of proposed wells 1 Check the use of well: (See back of permit for additional choices) ______ Domestic Monitor (type) ______
______ Irrigation (Type) (See Back) Public Water Supply (type) ______ (See Back) List Other PLUGGED
Distance from septic system 0 ft. Description of facility ______ Estimated start of construction date 7/10/2007

8. Application for: ______ New Construction ______ Repair/Modify ✓ Abandonment not in use (Reason for Abandonment)

Date Stamp
Received: Monday, July 09, 2007

9. Estimated: Well Depth 63 Casing Depth ______ Screen Interval from ____ to ____
Casing Material: XXXXXX / XX / PVC Casing Diameter 2 (smallest) Seal Material Cement

10. If applicable; Proposed Grouting Interval
From 0 to 63 Seal Material Cement
From ______ to ______ Seal Material ______
From ______ to ______ Seal Material ______

11. Telescope Casing ____ or Liner ____ (check one) Diameter ______
Blk-Steel / Galvanized / PVC Other (specify:) ______

12. Method of Construction: ______ Rotary ______ Cable Tool ______ Combination
______ Auger ✓ Other (specify:) Plugged by approved method

13. Indicate total No. of wells on site 0 List number of unused wells on site 0

14. Is this well or any other well or water withdrawal on the owner's contiguous property covered under a Consumptive/Water Use Permit (CUP/WUP) or CUP/WUP Application? ✓ No ____ Yes
(IF YES, COMPLETE THE FOLLOWING) CUP/WUP No. ______
District well I.D. No. ______
Latitude 28° 19' 40.80" Longitude 82° 8' 37.80"
Data obtained from GPS ____ or map ____ or survey ____ (*map datum NAD 27*__ *NAD 83*__)

Draw a map of well location and indicate well site with an "X" Identify known roads and landmarks: provide distances between well and landmarks.

North
West
East
South

site is located between Duck Lake Canal Rd at Enterprise Rd

15. I hereby certify that I will comply with the applicable rules of Title 40, Florida Administrative Code and that a water use permit or artificial recharge permit, if needed, has been or will be obtained prior to commencement of well construction. I further certify that all information provided on this application is accurate and that I will obtain necessary approval from other federal, state, or local governments, if applicable. I agree to provide a well completion report to the District within 30 days after drilling or the permit expiration, whichever occurs first.

I certify that I am the owner of the property, that the information provided is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes, to maintain or properly abandon this well; or, I certify that I am the agent for the owner, that the information provided is accurate, and that I have informed the owner of his responsibilities as stated above. Owner consents to personnel of the WMD or a representative access to the well site.

Digitally Signed — 9342 — Digitally Signed
Signature of Contractor — License No. — Owner's or Agent's Signature — Date

DO NOT WRITE BELOW THIS LINE - FOR OFFICIAL USE ONLY

Approval Granted By: Automatically Issued Issue Date: 7/9/2007 Hydrologist Approval ______ Initials

Owner Number: ______ Fee Received: $ .00 Receipt No.: ______ Check No.: ______

THIS PERMIT NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD. IT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL DRILLING OPERATIONS. *This permit is valid for 90 days from the date of issue.*

FORM 41.10 - 410 (1) REV. 12/04

WHITE: ORIGINAL FILE
YELLOW: DRILLING CONTRACTOR
PINK: OWNER

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT #: 763433.1 CUP/WUP#: ________ DID#: ________

Indicate the number of wells drilled/abandoned for this report: 1

Indicate the number of wells permitted but not drilled/abandoned that are being cancelled: ________

WATER WELL CONTRACTOR'S SIGNATURE Digitally Signed . License # 9342

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (ft.)	To (ft.)
Neat Cement:	5	0	60
Bentonite:			
(Other)			

WELL LOCATION: County Pasco

____ 1/4 of ____ 1/4 of Section 7 , Township 25 , Range 22

Latitude: 28° 19'40.8" , Longitude: -82° 8'37.8"

DATE STAMP
Aug 02 2007
Official Use Only

Sketch of well location on property

Give distances from septic tank and house, or other reference points

CHEMICAL ANALYSIS WHEN REQUIRED

Iron: ____ ppm Sulfate: ____ ppm

Chlorides: ____ ppm TDS ____ mg/l

Conductivity ____ umhos/cm

☐ Lab Test ☐ Field Test Kit

Pump Type

☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine

Horsepower: ____ Capacity: ____ GPM: ____

Pump Depth: ____ ft. Intake Depth: ____ ft.

Form LEG-R.005.00(10/05)

OWNER'S NAME: ANGELOS AGGREGATE MATERIALS LTD

COMPLETION DATE: 07/10/2007 Florida Unique I.D.: ________

Parcel # (Pin): 22250700000001000030

WELL USE:

☐ Public Supply ☐ Irrigation ☐ Domestic ☐ Monitor
☐ Injection ☒ Other PLUGGED

DRILL METHOD:

☐ Rotary ☐ Cable Tool ☐ Combination
☐ Jet ☐ Auger ☒ Other Plugged

Measured Static Water Level: ____ Measured Pumping Water Level: ____

After ____ Hours at ____ GPM. Measuring Pt. (Describe): ____

Which is ____ ft. ☐ above ☒ below land surface

Casing: ☐ Black Steel ☐ Galvanized ☒ PVC ☐ Other: ____

☐ Open Hole ☐ Screen	Depth (feet)		DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones.
Casing Diameter and Depth (ft.)	From	To	Color | Grain Size | Type of Material
Diameter: 2 From: 0 To: 60	Plugged by approved method		
Diameter: ____ From: ____ To: ____			
Liner ☐ or Casing ☐ Diameter: ____ From: ____ To: ____			

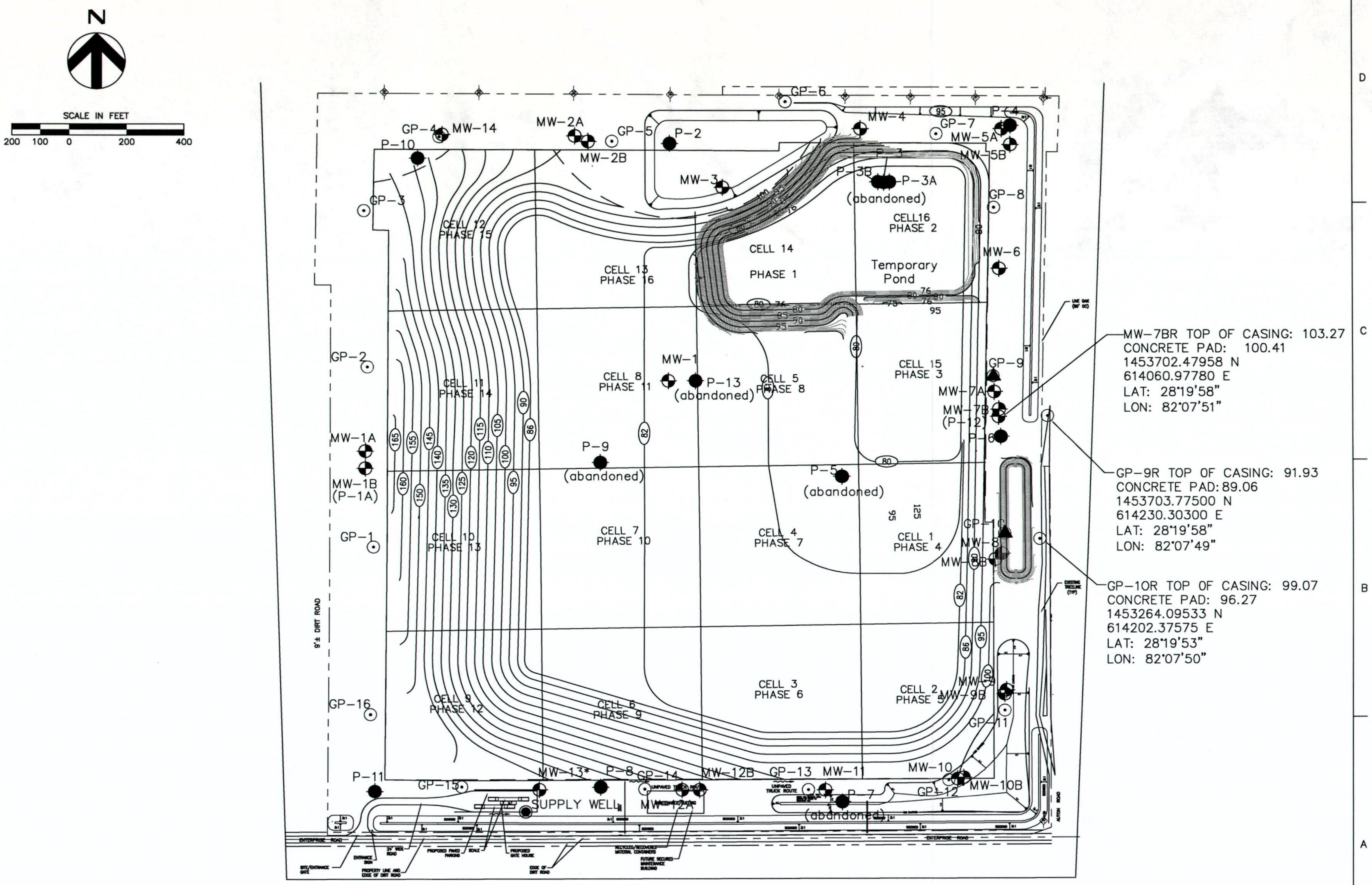
Driller's Name (print or type): BJ Oberhaus

ATTACHMENT 3

MONITORING NETWORK MAP

LEGEND

⊕	MW-4	MONITOR WELL LOCATION
⊙	GP-1	GAS PROBE LOCATION
●	P-9	PIEZOMETER WELL LOCATION
◉		SUPPLY WELL
▲	MW-1	MONITOR WELL/GAS PROBE (PROPOSED FOR ABANDONMENT)



MW-7BR TOP OF CASING: 103.27
CONCRETE PAD: 100.41
1453702.47958 N
614060.97780 E
LAT: 28°19'58"
LON: 82°07'51"

GP-9R TOP OF CASING: 91.93
CONCRETE PAD: 89.06
1453703.77500 N
614230.30300 E
LAT: 28°19'58"
LON: 82°07'49"

GP-10R TOP OF CASING: 99.07
CONCRETE PAD: 96.27
1453264.09533 N
614202.37575 E
LAT: 28°19'53"
LON: 82°07'50"

HDR
HDR ENGINEERING, INC.
200 W. FORSYTH ST.
SUITE 800
JACKSONVILLE, FL 32202
(904) 598-8900

ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	J. LOCKLEAR, P.E.
DESIGNED	
DESIGNED	
CHECKED BY	
DRAWN BY	D. SOSA
DRAWN BY	
PROJECT NUMBER	60635

ENTERPRISE ROAD
RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

SITE MONITORING NETWORK

0 1" 2"
AT FULL SIZE BAR LENGTH EQUALS TWO INCHES. ADJUST SCALE ACCORDINGLY.

FILENAME FIG-01.dwg
SCALE 1"=200'
SHEET
FIG-01

TETRA TECH HAI

Mark A. Rynning, P.E., M.B.A.
James E. Christopher, P.E.
Charles W. Drake, P.G.
William D. Musser, P.E., P.H.
Lawrence E. Jenkins, P.S.M.
Jon D. Fox, P.E.
Jill M. Hudkins, P.E.

Roderick K. Casne, P.E.
Douglas P. Dufresne, P.G.
Daniel M. Nelson, P.E.

Andrew T. Woodcock, P.E., M.B.A.
John P. Toomey, P.E.
Jennifer L. Woodall, P.E.
Valerie C. Davis, P.G.
Charles M. Shultz, P.E.
Sean M. Parks, AICP, QEP
W. Bruce Lafrenz, P.G.
James R. Warner, P.E.

Dept. of Environmental Protection

APR 17 2006

Southwest District

April 13, 2006

Via UPS Ground

Mr. John Morris, P.G.
Florida Department of Environmental Protection
Southwest District
13051 North Telecom Parkway
Temple Terrace, Florida 33637

Subject: **Monitoring Well Completion Reports**
Enterprise Recycling & Disposal Facility
Angelo's Aggregate Materials, Ltd.
FDEP Permit Nos. 177982-001-SC, 177982-002-SO
Pasco County, Florida

Tt HAI #99.0331.022, File 13.2

Dear Mr. Morris:

On behalf of Angelo's Aggregate Materials, Inc., Tetra Tech HAI (Tt HAI) is submitting for your review the monitoring well completion reports for six (6) detection monitoring wells (MW-3A, MW-3B, MW-4A, MW-4B, MW-12A, and MW-12B), at the subject site in Dade City, Florida, see Figure 1. Tt HAI personnel were at the subject site at various times from March 3 – March 16, 2006 during the monitoring well installations. Upon completion of all the monitor wells, each well was completed with a 2'x2' concrete pad and a 4"x4" aluminum aboveground protector. Each monitor well was also developed with a peristaltic pump or a stainless steel submersible pump with clean polyethylene tubing for 1 hour or until the water was pumped clean.

A monitoring well completion report and a Tt HAI boring log have been included for each well, included in Attachment A. An as-built monitoring well construction diagram summarizing construction details for each Floridan aquifer well is included as Figure 2; an as-built monitoring well construction diagram summarizing construction details for the surficial wells is included as Figure 3. A horizontal and vertical survey of the wells is also enclosed, in Attachment B.

After the completion of the monitor well pilot holes, minor variations were made to the monitor well designs proposed in the permit modification application. The majority of these variations were changes to the total depths of the monitor wells. Overall, the as-built monitor well total depths and screen depths were deeper than proposed due to the varying depths of the confining unit which were identified during the monitor well pilot borings.

One (1) gas probe (GP-6) was re-installed along the northern perimeter of the landfill cells on March 3, 200 and finished with a 2'x2' concrete pad and a 6"x6" aluminum aboveground protector on March 3, 2006. Gas probe GP-6 was re-installed to a total depth of 17 ft. below land surface (bls) with a 15 ft. screen. The gas probe was installed to ensure the screen did not intersect the surficial water table and thus was installed to the base of Cell 16 (80 ft. NGVD). A diagram of the gas probe construction is included as Figure 4.

201 East Pine Street, Suite 1000, Orlando, FL 32801
Tel 407.839.3955 Fax 407.839.3790
www.tetratech.com

The monitor well (and gas probe) installations were completed by Universal Engineering Sciences, Inc. (UES). The UES well completion reports and the Southwest Florida Water Management District permits are included in Attachment C.

We hope that we have provided the adequate information required for the submittal of the monitoring well completion reports for the subject site in Dade City, Florida. Please feel free to contact me if you require additional information or have any questions.

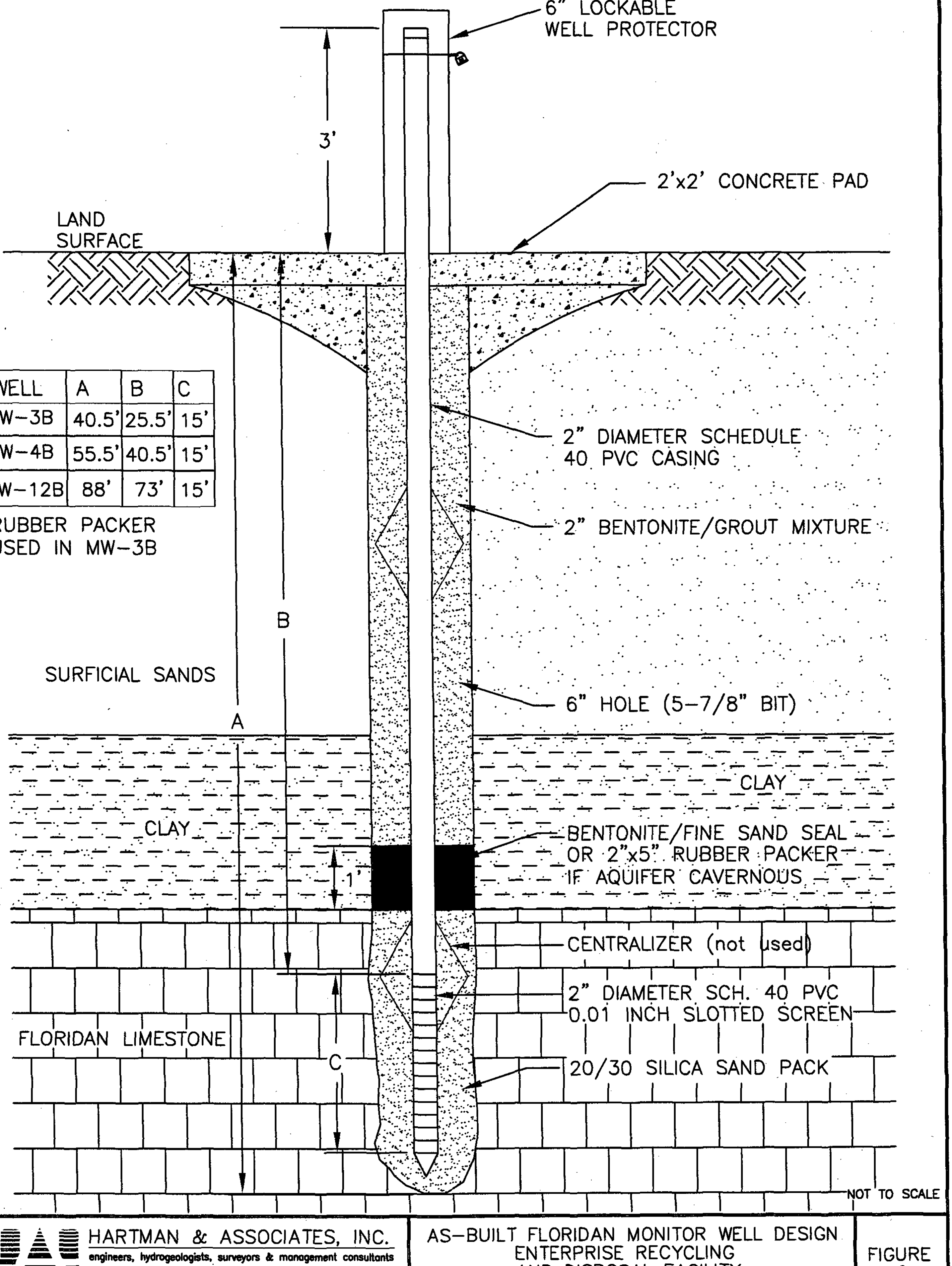
Very truly yours,

Tetra Tech HAI

Miguel A. Garcia, P.G.
Project Hydrogeologist

MAG/slm/99.0331.022/corresp/JMorris3rev.mag.DOC
C: Dominic Iafrate, Angelo's Recycled Materials, Inc., Largo, FL
Jeff Rogers, Angelo's Aggregate Materials, Inc., Dade City, FL

FIGURES



WELL	A	B	C
MW-3B	40.5'	25.5'	15'
MW-4B	55.5'	40.5'	15'
MW-12B	88'	73'	15'

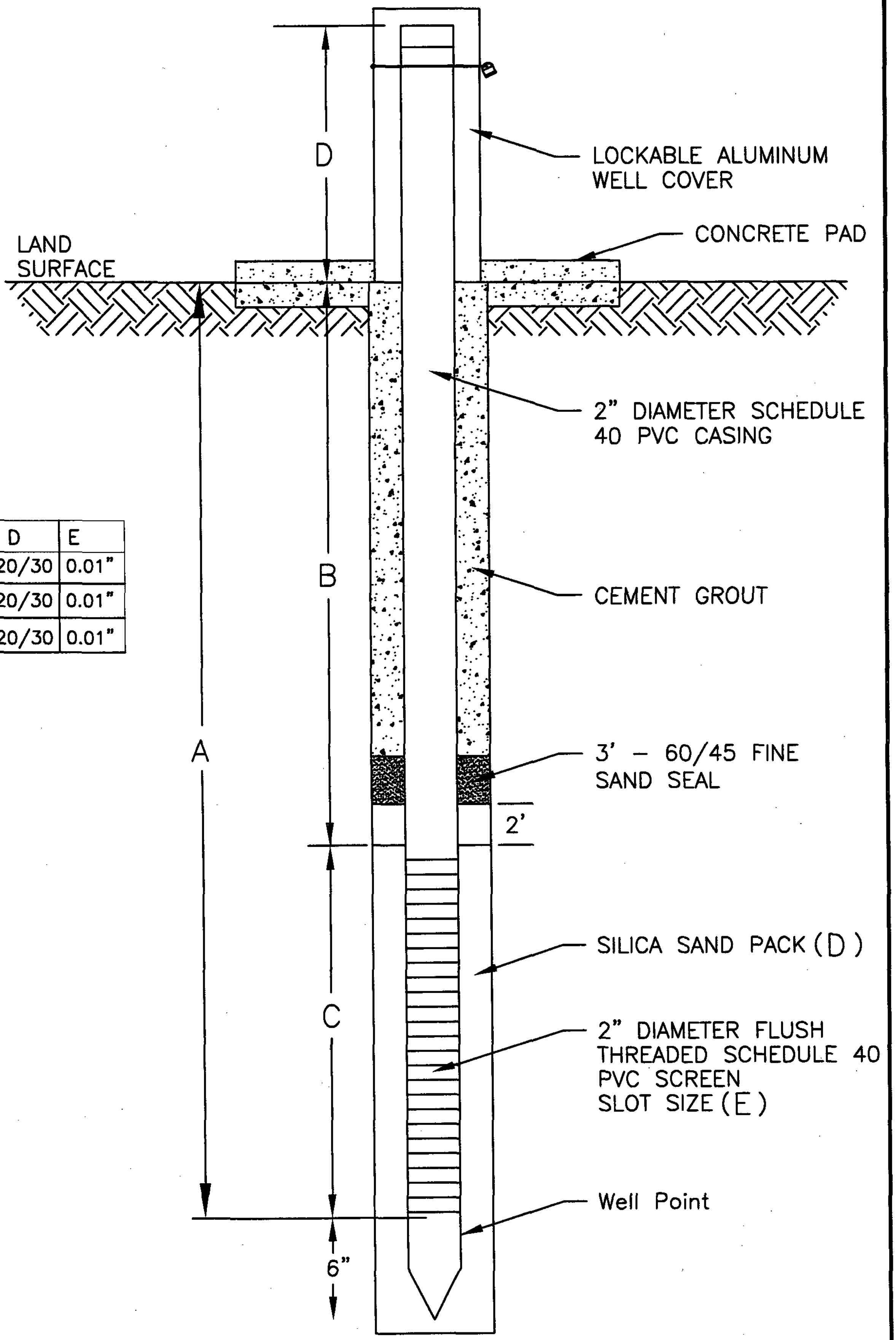
*RUBBER PACKER USED IN MW-3B

R:\CAD\DWG\1999\99\331.022\331022N05 03\21\08

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
TELEPHONE (407) 839-3955 - FAX (407) 839-3790

AS-BUILT FLORIDAN MONITOR WELL DESIGN
ENTERPRISE RECYCLING
AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE
2



WELL	A	B	C	D	E
MW-3A	10.5'	3'	7.5'	20/30	0.01"
MW-4A	23'	8'	15'	20/30	0.01"
MW-12A	60'	40'	20'	20/30	0.01"

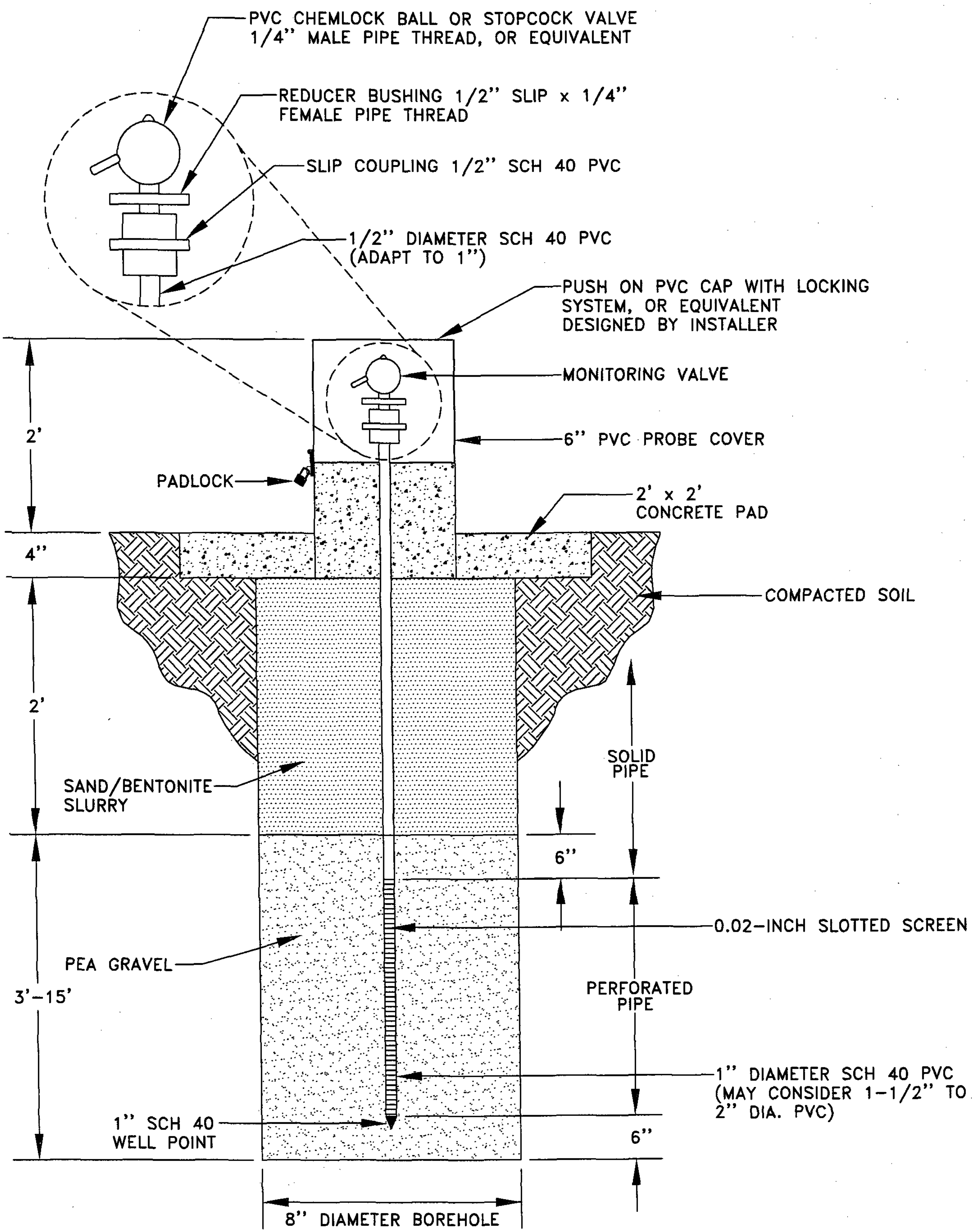
NOT TO SCALE

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
TELEPHONE (407) 839-3955 - FAX (407) 839-3790

AS-BUILT SURFICIAL MONITOR WELL DESIGN
ENTERPRISE RECYLING
AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE
3

r:\cad\dwg\1999\99-331.022\0331N06 3/24/06



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HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
TELEPHONE (407) 839-3955 - FAX (407) 839-3790

GAS PROBE CONSTRUCTION DETAIL
ENTERPRISE DISPOSAL & RECYCLING FACILITY
DADE CITY, FLORIDA

FIGURE
4

ATTACHMENT A

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No.
(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: 04-07-06

INSTALLATION NAME: Enterprise Recycling & Disposal Facility

DEP PERMIT NUMBER: 177982-001-SC, 177982-002-SO WACS NUMBER: 87895

WACS TESTSITE ID: 19571 WELL NAME: MW-3A

DESIGNATION: Background Detection X Compliance

LATITUDE/LONGITUDE: 28° 20' 06.170"/ 82° 08' 01.270"

AQUIFER MONITORED: Surficial

INSTALLATION METHOD: Mud Rotary

INSTALLED BY: Universal Engineering Sciences

TOTAL DEPTH: (bls) 10.5 feet DEPTH OF SCREEN: (bls) 10.5 – 3 feet

SCREEN LENGTH: 7.5 feet SCREEN SLOT SIZE: 0.01 inches SCREEN TYPE: Trylok Sch 40 PVC

CASING DIAMETER: 2 inch CASING TYPE: Trylok Sch 40 PVC

LENGTH OF CASING: 40 feet FILTER PACK MATERIAL: 20/30 Standard Sand

TOP OF CASING ELEVATION (MSL): 85.39 feet

GROUND SURFACE ELEVATION (MSL): 81.30 feet

COMPLETION DATE: 3-3-06

DESCRIBE WELL DEVELOPMENT: A peristaltic pump with clean polyethylene tubing was used at the monitor well to develop. Well was dry except for water located in well point.

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): Not Available

DATE AND TIME MEASURED: 3-7-06/1540

REMARKS: (soils information, stratigraphy, etc.) : Monitor well dry during background sampling event. Well not sampled at this time.

REPORT PREPARED BY: Miguel A. Garcia, P.G., Tetra Tech, Inc., 407-839-3955
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG. (bls)= Below Land Surface

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No.
(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: 04-07-06

INSTALLATION NAME: Enterprise Recycling & Disposal Facility

DEP PERMIT NUMBER: 177982-001-SC, 177982-002-SO WACS NUMBER: 87895

WACS TESTSITE ID: 21964 WELL NAME: MW-3B

DESIGNATION: Background Detection X Compliance

LATITUDE/LONGITUDE: 28° 20' 06.297"/ 82° 08' 01.138"

AQUIFER MONITORED: Floridan

INSTALLATION METHOD: Mud Rotary

INSTALLED BY: Universal Engineering Sciences

TOTAL DEPTH: 40.5 feet
(bls)

DEPTH OF SCREEN: 40.5 – 25.5 feet
(bls)

SCREEN LENGTH: 15 feet SCREEN SLOT SIZE: 0.01 inches SCREEN TYPE: Trylok Sch 40 PVC

CASING DIAMETER: 2 inch CASING TYPE: Trylok Sch 40 PVC

LENGTH OF CASING: 25.5 feet FILTER PACK MATERIAL: 20/30 Standard Sand

TOP OF CASING ELEVATION (MSL): 84.80 feet

GROUND SURFACE ELEVATION (MSL): 81.70 feet

COMPLETION DATE: 3-14-06

DESCRIBE WELL DEVELOPMENT: A peristaltic pump with clean polyethylene tubing was used at the well to develop for Approximately one hour or until water was pumped clean.

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 70.05 feet

DATE AND TIME MEASURED: 03-15-06 / 1515

REMARKS: (soils information, stratigraphy, etc.) :

REPORT PREPARED BY: Miguel A. Garcia, P.G., Tetra Tech, Inc., 407-839-3955
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG. (bls)= Below Land Surface

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date ______
DEP Application No. ______
(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: 03-24-06

INSTALLATION NAME: Enterprise Recycling & Disposal Facility

DEP PERMIT NUMBER: 177982-001-SC, 177982-002-SO WACS NUMBER: 87895

WACS TESTSITE ID: 19572 WELL NAME: MW-4A

DESIGNATION: Background ______ Detection X Compliance ______

LATITUDE/LONGITUDE: 28° 20' 08.147"/ 82° 07' 57.014"

AQUIFER MONITORED: Surficial

INSTALLATION METHOD: Mud Rotary

INSTALLED BY: Universal Engineering Sciences

TOTAL DEPTH: (bls) 23 feet DEPTH OF SCREEN: (bls) 23 – 8 feet

SCREEN LENGTH: 15 feet SCREEN SLOT SIZE: 0.01 inches SCREEN TYPE: Trylok Sch 40 PVC

CASING DIAMETER: 2 inch CASING TYPE: Trylok Sch 40 PVC

LENGTH OF CASING: 8 feet FILTER PACK MATERIAL: 20/30 Standard Sand

TOP OF CASING ELEVATION (MSL): 100.59 feet

GROUND SURFACE ELEVATION (MSL): 97.14 feet

COMPLETION DATE: 3-3-06

DESCRIBE WELL DEVELOPMENT: A peristaltic pump with clean polyethylene tubing was used at the monitor well to develop. Monitor well was purged until dry. Water in well recovered less than 1 foot in one-half hour.

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): Not available – water level will be recorded during April 2006 sampling event.

DATE AND TIME MEASURED: 3-07-06 / 1627

REMARKS: (soils information, stratigraphy, etc.) : Monitor well purged dry during background sampling, recovery rate very slow. Well not sampled at This time for background conditions.

REPORT PREPARED BY: Miguel A. Garcia, P.G., Tetra Tech, Inc., 407-839-3955
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No.
(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: 04-07-06

INSTALLATION NAME: Enterprise Recycling & Disposal Facility

DEP PERMIT NUMBER: 177982-001-SC, 177982-002-SO WACS NUMBER: 87895

WACS TESTSITE ID: 21965 WELL NAME: MW-4B

DESIGNATION: Background Detection X Compliance

LATITUDE/LONGITUDE: 28° 20' 06.297"/ 82° 08' 01.138"

AQUIFER MONITORED: Floridan

INSTALLATION METHOD: Mud Rotary

INSTALLED BY: Universal Engineering Sciences

TOTAL DEPTH: 55.5 feet
(bls)

DEPTH OF SCREEN: 55.5 – 40.5 feet
(bls)

SCREEN LENGTH: 15 feet SCREEN SLOT SIZE: 0.01 inches SCREEN TYPE: Trylok Sch 40 PVC

CASING DIAMETER: 2 inch CASING TYPE: Trylok Sch 40 PVC

LENGTH OF CASING: 40.5 feet FILTER PACK MATERIAL: 20/30 Standard Sand

TOP OF CASING ELEVATION (MSL): 100.87 feet

GROUND SURFACE ELEVATION (MSL): 97.84 feet

COMPLETION DATE: 3-14-06

DESCRIBE WELL DEVELOPMENT: A peristaltic pump with clean polyethylene tubing was used at the well to develop for Approximately one hour or until water was pumped clean.

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 70.04 feet

DATE AND TIME MEASURED: 03-15-06 / 1320

REMARKS: (soils information, stratigraphy, etc.) :

REPORT PREPARED BY: Miguel A. Garcia, P.G., Tetra Tech, Inc., 407-839-3955
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date ____________
DEP Application No. ____________
(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: 03-24-06

INSTALLATION NAME: Enterprise Recycling & Disposal Facility

DEP PERMIT NUMBER: 177982-001-SC, 177982-002-SO WACS NUMBER: 87895

WACS TESTSITE ID: 19582 WELL NAME: MW-12A

DESIGNATION: Background ____ Detection X Compliance ____

LATITUDE/LONGITUDE: 28° 19' 44.558"/ 82° 08' 03.333"

AQUIFER MONITORED: Surficial

INSTALLATION METHOD: Mud Rotary

INSTALLED BY: Universal Engineering Sciences

TOTAL DEPTH: (bls) 60 feet DEPTH OF SCREEN: (bls) 60 – 40 feet

SCREEN LENGTH: 20 feet SCREEN SLOT SIZE: 0.01 inches SCREEN TYPE: Trylok Sch 40 PVC

CASING DIAMETER: 2 inch CASING TYPE: Trylok Sch 40 PVC

LENGTH OF CASING: 40 feet FILTER PACK MATERIAL: 20/30 Standard Sand

TOP OF CASING ELEVATION (MSL): 121.43 feet

GROUND SURFACE ELEVATION (MSL): 118.30 feet

COMPLETION DATE: 3-16-06

DESCRIBE WELL DEVELOPMENT: A hose connected to the drill rig was placed into the well to develop for approximately one hour or until water was pumped clean.

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): Not Available – not provided by drilling contractor.

DATE AND TIME MEASURED: ____________

REMARKS: (soils information, stratigraphy, etc.) : Monitor well water level will be collected during next sampling event in April 2006.

REPORT PREPARED BY: Miguel A. Garcia, P.G., Tetra Tech, Inc., 407-839-3955
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG. (bls)= Below Land Surface

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date ____________
DEP Application No.____________ (Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: 04-07-06

INSTALLATION NAME: Enterprise Recycling & Disposal Facility

DEP PERMIT NUMBER: 177982-001-SC, 177982-002-SO WACS NUMBER: 87895

WACS TESTSITE ID: 19583 WELL NAME: MW-12B

DESIGNATION: Background ____ Detection X Compliance ____

LATITUDE/LONGITUDE: 28° 19' 44.520"/ 82° 08' 03.403"

AQUIFER MONITORED: Floridan

INSTALLATION METHOD: Mud Rotary

INSTALLED BY: Universal Engineering Sciences

TOTAL DEPTH: (bls) 88 feet DEPTH OF SCREEN: (bls) 88 – 73 feet

SCREEN LENGTH: 15 feet SCREEN SLOT SIZE: 0.01 inches SCREEN TYPE: Trylok Sch 40 PVC

CASING DIAMETER: 2 inch CASING TYPE: Trylok Sch 40 PVC

LENGTH OF CASING: 73 feet FILTER PACK MATERIAL: 20/30 Standard Sand

TOP OF CASING ELEVATION (MSL): 121.84 feet

GROUND SURFACE ELEVATION (MSL): 118.60 feet

COMPLETION DATE: 3-15-06

DESCRIBE WELL DEVELOPMENT: A hose connected to the drill rig was placed into the well and used to develop for approximately one hour or until water was pumped clean.

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): Not available – not provided by drilling contractor.

DATE AND TIME MEASURED: ____________

REMARKS: (soils information, stratigraphy, etc.) : Monitor well level will be collected during next sampling event in April 2006.

REPORT PREPARED BY: Miguel A. Garcia, P.G., Tetra Tech, Inc., 407-839-3955
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG. (bls)= Below Land Surface

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

M GARCIA

MW-3A | 1 of 1

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
5				[illegible] 2 2 3			SILTY-CLAYEY-SAND, ORANGE-TAN, FINE TO SILT, MOD. CLAY, VERY FIRM TO HIGH 0-~~3~~3.5 CLAYEY-SILTY-SAND, ORANGE-TAN, FINE TO SILT, MOD. CLAY, INCREASE IN SILT & SAND, FIRM. 3.5-7.5		
10				1 1 1			~~[illegible]~~ CLAYEY-SILT, LIGHT ORANGE-TAN, MOD. CLAY, V. FIRM TO FIRM. 7.5-10		BROKEN LS FRAG @ 7.5'
15				2 1 2			LS-MARL, WHITE, SILTY-CLAYEY-SAND MIXED WITH BROKEN LS FRAG		LOST CIRCULATION @ ~13.5-14' BLS
20							EOB @ 15'		
25									
30									

PROJECT

NUMBER: 99-0331.022
NAME: ENTERPRISE LF
CLIENT: ANGELO'S
LOCATION: DADE CITY, FL

BORING

GR. ELEV.: ~76.5'
DIA-TYPE: 4"-MR
DEPTH: 15'
DATE STARTED: 3-3-06
DATE ENDED: 3-3-06

GROUNDWATER

DEPTH:
TIME:
DATE:
REMARKS:

DRILLING

RIG TYPE: CME 45
CREW: UES
SUPERVISOR: LEROY

PIEZ/WELL

CASING DIAM.: 2"
CASING TYPE: PVC
CASING DEPTH: ~~[illegible]~~ 0-3.0'
SCREEN DEPTH: 3 - 10.5
SCREEN LENGTH: 7.5'
FILTER PACK: 20/30 SND
RISER HEIGHT ALS: ~3'
T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

M GARCIA

MW-~~#~~3B | 1 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
5							SILTY-CLAYEY-SAND, ORANGE-TAN, FINE TO SILT, MOD. TO HIGH CLAY, VERY FIRM. 0-3.5 CLAYEY-SILTY-SAND, ORANGE-TAN, FINE TO SILT, MOD. CLAY, SLIGHT		STARTED SPLIT-SPOON COLLECTION FROM 7.5'-10'
10				1 3 4			INCREASE IN SILT + SAND, FIRM. 3.5-7.5 SILTY-CLAYEY-SAND, LT. GRAY, ORANGE, DK. GRAY (MOTTLED) FINE TO SILT, MOD. TO HIGH CLAY, V. FIRM		
15				1 1 2			7.5-9.5' SILTY-CLAY, LT. TAN TO DARK GRAY (MOTTLED) COARSE TO SILT, HIGH SILT + CLAY, FIRM TO V. FIRM, 9.5-~~[illegible]~~ 17.5		SMALL BROKEN LS + HARD CLAY FRAG. ~~[illegible]~~14-15
20				1 1 1			SILTY-CLAY, LT. TAN TO LT. ORANGE (MOTTLED), HIGH SILT + CLAY, V. FIRM TO FIRM, ~~[illegible]~~ 17.5-22		
25				18 7 8			LS MARL (SILTY-CLAY + HARD LS + LR ALTERNATING) CREAMY WHITE TO LT. TAN, EXTREMELY HARD TO S. FIRM.		"ROCKY" DRILLING @ 22' BLS LOST CIRCULATION @ 23.5' BLS
30				2 2 750	= 2"		22.0 - 27.5 LS, TAN TO ORANGE, VERY HARD W. LENSES 27.5 - 41' BLS		

PROJECT

NUMBER: 99.0331.022

NAME: ENTERPRISE LF

CLIENT: ANGELO'S

LOCATION: DADE CITY, FL

BORING

GR. ELEV.:

DIA-TYPE: 4" - MR

DEPTH: 3-13-06

DATE STARTED: 41

DATE ENDED: 3-13-06

GROUNDWATER

DEPTH:

TIME:

DATE:

REMARKS:

DRILLING

RIG TYPE: CME 45

CREW: UES

SUPERVISOR: LEROY P.

PIEZ/WELL

CASING DIAM.: 2'

CASING TYPE: PVC

CASING DEPTH: 0'-25.5'

SCREEN DEPTH: 40.5-25.5

SCREEN LENGTH: 15'

FILTER PACK: 20/30 SND

RISER HEIGHT ALS: ~3'

T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MGMCIA

MW-3B

2 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
35									VERY HARD LAYER (CHERT?) @ 31' BLS - 33' BLS
40							EOB @ 41' BLS		
5									
0									
5									
0									

PROJECT

NUMBER: 99.0331.022
NAME: ENTERPRISE LF
CLIENT: ANGELO'S
LOCATION: DADE CNTY, FL

BORING

GR. ELEV.:
DIA-TYPE: 4"-MR
DEPTH: 41'
DATE STARTED: 3-13-06
DATE ENDED: 3-13-06

GROUNDWATER

DEPTH:
TIME:
DATE:
REMARKS:

DRILLING

RIG TYPE: CME 45
CREW: UFS
SUPERVISOR: LEROY P.

PIEZ/WELL

CASING DIAM.: 2"
CASING TYPE: PVC
CASING DEPTH: 0'-25.5'
SCREEN DEPTH: 25.5'-40.5'
SCREEN LENGTH: 15'
FILTER PACK: 20/30 SW
RISER HEIGHT ALS: ~3'
T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

M GARCIA

MW-4A | 1 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SYMBOL	% REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
				3-2			CLAYEY-SAND, ORANGE, TAN (MOTTLED) FINE TO SILT, MOD. CLAY, V. FIRM. 0'-2		0-10' APPEARS ~~TO~~ BE FILL
5				1-1-2			SILTY-CLAYEY-SAND, DARK ORANGE, TAN, WHITE (MOTTLED), MOD. CLAY, V. FIRM TO FIRM. 3.5 - 18		
10				2-2-2					
15				1-2-2			CLAYEY-SILTY-SAND, LIGHT BROWN, FINE TO SILT, MOD. TO MINOR CLAY, SEMI FIRM. 18.0 - 19		IRON CEMENTED SANDSTONES 15-17
20				2-1-2			SANDY-CLAY, ORANGE + LIGHT TAN (MOTTLED) FINE TO SILT, HIGH CLAY, V. FIRM 19 - 23.5		
25				3-4-6			SILTY-CLAY, ORANGE, TAN, (MOTTLED), FINE TO SILT, HIGH CLAY, SEMI FIRM. 23.5-24 SANDY-CLAY, L. TAN TO WHITE, FINE TO SILT, HIGH CLAY CONTENT, V. FIRM. 24-27.5		LOST CIRCULATION @ ~ 24-25' BLS
30				2-1-1			SILTY-CLAY, GRAY, WHITE, TAN, ORANGE, MOTTLED, HIGH CLAY + SILT, FIRM TO SEMI FIRM, 27.5-29.5		

PROJECT

NUMBER: 97-0331.022
NAME: ENTERPRISE LF
CLIENT: ANGELOS
LOCATION: DADE CITY, FL

BORING

GR. ELEV.: ~
DIA-TYPE: 4"-MR
DEPTH: 35'
DATE STARTED: 3-3-06
DATE ENDED: 3-3-06

GROUNDWATER

DEPTH:
TIME:
DATE:
REMARKS:

DRILLING

RIG TYPE: CME 45
CREW: UES
SUPERVISOR: LEROY P.

PIEZ/WELL

CASING DIAM.: 2"
CASING TYPE: PVC
CASING DEPTH: 0'-8'
SCREEN DEPTH: 8'-23'
SCREEN LENGTH: 15'
FILTER PACK: 20/30 SAND
RISER HEIGHT ALS: ~4'
T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

M GARCIA

MW-4A

2 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
							LS MARL, BRITTLE, LIGHT GRAY TO OFF-WHITE SHELL + LS & HARD CLAY W/ SAND, SOFT & BRITTLE. 29.5'-35'		
							EOB @ 35'		
35									
0									
5									
0									
5									
0									

PROJECT

NUMBER: 990331-0xx

NAME: ENTERPRISE LF

CLIENT: ANGELO'S

LOCATION: DADE CITY FL

BORING

GR. ELEV.:

DIA-TYPE: 4"-MR

DEPTH: 35'

DATE STARTED: 3-3-06

DATE ENDED: 3-3-06

GROUNDWATER

DEPTH:

TIME:

DATE:

REMARKS:

DRILLING

RIG TYPE: CME 45

CREW: UES

SUPERVISOR: Leroy P.

PIEZ/WELL

CASING DIAM.: 2"

CASING TYPE: PVC

CASING DEPTH: 0'-8'

SCREEN DEPTH: 8'-23'

SCREEN LENGTH: 15'

FILTER PACK: 20/30 SND

RISER HEIGHT ALS: ~4'

T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MGARCIA

MW-4B

1 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
5							CLAYEY-SAND, ORANGE-TAN, (MOTTLED), FINE TO SILT, MOD. CLAY, V. FIRM, 0-3.5 SILTY-CLAYEY-SAND, DK. ORANGE, TAN, + WHITE (MOTTLED) MOD. CLAY,		
10							V. FIRM 3.5-18		
15							CLAYEY-SILTY-SAND, LIGHT BROWN, FINE TO SILT, MOD. ~~[illegible]~~ TO MINOR CLAY, SEMI-FIRM. 18-18.5		
20				2 5 7			SANDY-CLAY, ORANGE + LT. TAN (MOTTLED), FINE TO SILT, HIGH CLAY, V. FIRM 18.0 ~~[illegible]~~ 18.5 ~~[illegible]~~ CLAYEY-SILTY-SAND, LT. BROWN, FINE TO SILT, MAJOR SAND + SILT, LOW CLAY, FIRM TO SEMI		HARD LIGHT CLAY 16.5-18.0
25				2 5 5			FIRM ~~[illegible]~~ 18.5-23.5 SILTY-CLAYEY-SAND, ORANGE TO LT. GRAY-TAN, FINE TO SILT, MOD. TO HIGH CLAY, V. FIRM. 23.5-29		MOTTLED FROM 23.5-24.
30				2 3 5			CLAYEY-SILT, DK. ORANGE, LT. GRAY-LT. GREEN, FINE TO SILT, HIGH CLAY + SILT, V. FIRM,		V. SMALL BROKEN LS FRAG IN CLAY MATRIX 29-

29-38.5

PROJECT

NUMBER: 99.0831.022
NAME: ENTERPRISE LF
CLIENT: ANGELO'S
LOCATION: DADE CITY, FL

BORING

GR. ELEV.:
DIA-TYPE: 4"-MR
DEPTH: [illegible]
DATE STARTED: 3-13-95
DATE ENDED:

GROUNDWATER

DEPTH:
TIME:
DATE:
REMARKS:

DRILLING

RIG TYPE: CME 45
CREW: UES
SUPERVISOR: LEROY P.

PIEZ/WELL

CASING DIAM.: 2"
CASING TYPE: PVC
CASING DEPTH: 40.5-0'
SCREEN DEPTH: 55.5'-40.5'
SCREEN LENGTH: 15'
FILTER PACK: 20/30
RISER HEIGHT ALS: ~3'
T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MW-43 | 2 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
35				2 4 4					ORANGE, LT. GRAY - LT. GREEN (MOTTLED 33.5 - 35)
40				3 12 7			LS MARL, CREAMY TAN, ALTERNATING LAYERS OF SILTY CLAY + HARD LIMESTONE LENSES. 38.5 - 43.5		
45				20 750 = 4"			LS, HARD CREAMY TAN TO WHITE LS W/ BROKEN LS + CLAY MIXTURE. 43.5 - 56'		
50							EOB @ 56'		
55									
0									

PROJECT

NUMBER: 99.0331.022

NAME: ENTERPRISE LF

CLIENT: ANGELO'S

LOCATION: DADE CITY, FL

BORING

GR. ELEV.:

DIA-TYPE: 4" MR

DEPTH: 56'

DATE STARTED: 3-14-06

DATE ENDED: 3-14-06

GROUNDWATER

DEPTH:

TIME:

DATE:

REMARKS:

DRILLING

RIG TYPE: CME 45

CREW: UES

SUPERVISOR: LEROY P.

PIEZ/WELL

CASING DIAM.: 2"

CASING TYPE: PVC

CASING DEPTH: 0'-40.5'

SCREEN DEPTH: 40.5'-55.5'

SCREEN LENGTH: 15'

FILTER PACK: 20/30

RISER HEIGHT ALS: ~3'

T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MEGANCTA

MW-12A | 1 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
5							SAND, BROWN TO RUST, MED TO V. FINE GRAIN, SOFT, 0-13.5'		
10									
15							SILTY-CLAYEY-SAND, LT. ORANGE-TAN, MOD. CLAY AND SILT, SEMI FIRM TO FIRM, 13.5-18.5		
20							SILTY-CLAY, LT. TAN, DARK ORANGE (MOTTLED), V. FINE TO SILT, HIGH CLAY + SILT, V. FIRM		
25							18.5-28.5		
30							CLAYEY-SILTY-SAND, DARK TAN-ORANGE, FINE TO SILT, HIGH SAND + SILT, MOD. TO LOW CLAY, FIRM TO SOFT 28.5-33.5		

PROJECT

NUMBER: 99-0331.022
NAME: ENTERPRISE LF
CLIENT: ANGELO'S
LOCATION: DADE CNTY, FL

BORING

GR. ELEV.:
DIA-TYPE: 4"-MR
DEPTH: 60'
DATE STARTED: 3-16-06
DATE ENDED: 3-16-06

GROUNDWATER

DEPTH:
TIME:
DATE:
REMARKS:

DRILLING

RIG TYPE: CME 45
CREW: UES
SUPERVISOR: LEROY P.

PIEZ/WELL

CASING DIAM.: 2"
CASING TYPE: PVC
CASING DEPTH: 0-40'
SCREEN DEPTH: 40-60'
SCREEN LENGTH: 20'
FILTER PACK: 20/30 SND
RISER HEIGHT ALS: ~3'
T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MGARCIA

MW-12A | 2 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
35							SAND, LT. TO DARK ORANGE-TAN, FINE TO SILT, LOW TO MINOR CLAY, SOFT. 33.5 - 38.5		
40				2 4 4			CLAYEY-SILTY-SAND, LT. TO DARK TAN-ORANGE (MOTTLED) MOD. TO LOW CLAY, FINE TO SILT, V. FIRM TO SEMI FIRM 38.5-43.5		
45				5 7 10			SILTY-SAND, TAN-ORANGE, WHITE, DK. ORANGE (MOTTLED) MED. TO SILT, HIGH SAND, LOW TO MINOR CLAY. SOFT, 43.5-48.5		
50				10 13 13			SANDY-CLAY, ORANGE TO YELLOW TAN, FINE TO SILT, V. FIRM. 48.5-59		
55				3 3 5					
60				2 3 5			SILTY-CLAY, LT. TAN ORANGE TO LT. TAN + V. LIGHT GRAY-GREEN, V. FIRM. 59-60		

EOB @ 60'

PROJECT

NUMBER: 99.0331.022

NAME: ENTERPRISE 4F

CLIENT: ANGELO'S

LOCATION: DADE CITY, F

BORING

GR. ELEV.:

DIA-TYPE: 4"-MR

DEPTH: 60'

DATE STARTED: 3-16-06

DATE ENDED: 3-16-06

GROUNDWATER

DEPTH:

TIME:

DATE:

REMARKS:

DRILLING

RIG TYPE: CME 45

CREW: UES

SUPERVISOR: LENAY P.

PIEZ/WELL

CASING DIAM.: 2"

CASING TYPE: PVC

CASING DEPTH: 0-40'

SCREEN DEPTH: 40'-60'

SCREEN LENGTH: 20'

FILTER PACK: 20/30 SAND

RISER HEIGHT ALS: ~3'

T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MGARCIA

MW-12B | 1 of 3

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
5				2 2 2			SAND, BROWN TO RUST. MED. TO V.F. GRAIN. SOFT, 0-13.5		
10				1 1 3					SLIGHTLY CLAYEY 9.5'-10'
15				3 3 3			SILTY-CLAYEY-SAND, LIGHT ORANGE TAN, MOD CLAY + SILT, SEMI FIRM TO FIRM. 13.5 - 18.5		
20				6 10 13			SILTY-CLAY, LT. TAN, DARK. ORANGE (MOTTLED), V.F TO SILT, HIGH CLAY + SILT, V. FIRM, 18.5 - 28.5		
25				4 4 4					
30				1 3 1			CLAYEY-SILTY-SAND, DARK TAN-ORANGE, FINE TO SILT, HIGH F. SAND + SILT, MOD. TO LOW CLAY, FIRM TO SOFT, 28.5 - 33.5		LOST CIRCULATION @ 27'

PROJECT

NUMBER: 99.0331.022
NAME: ENTERPRISE LF

CLIENT: ANGELO'S
LOCATION: DADE CTY, FL

BORING

GR. ELEV.:
DIA-TYPE: 4"-MR
DEPTH: 88'
DATE STARTED: 3-15-06
DATE ENDED: 3-15-06

GROUNDWATER

DEPTH:
TIME:
DATE:
REMARKS:

DRILLING

RIG TYPE: CME 45
CREW: VES
SUPERVISOR: LEROY P.

PIEZ/WELL

CASING DIAM.: 2"
CASING TYPE: PVC
CASING DEPTH: 0-73
SCREEN DEPTH: 88-73 ~~[illegible]~~
SCREEN LENGTH: 15'
FILTER PACK: 20/30
RISER HEIGHT ALS: ~3'
T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

[illegible] | MW-12B | 2 of 3

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
35				1 1 1			SAND, LT. TO DARK ORANGE - TAN, FINE TO SILT, ~~[illegible]~~ LOW TO MINOR CLAY, SOFT. 33.5-38.5		
40				1 2 3			CLAYEY-SILTY-SAND, TAN-ORANGE, WHITE (MOTTLED), COARSE TO SILT, MINOR TO MOD. CLAY, FIRM. 38.5-40.		
45				1 3 5			CLAYEY-SILTY-SAND, TAN-ORANGE, WHITE, DK. ORANGE (MOTTLED), COARSE TO SILT., LOW CLAY. 43.5-53.5		REDUCTION IN CLAY. "SLIGHTLY CLAYEY"
50				5 7 9					
55				2 3 4			SANDY-CLAY, TAN-ORANGE TO LT. TAN, FINE TO SILT, V. FIRM. 53.5-54 SILTY-CLAY, LT. ORANGE TO WHITE, V.F. TO SILT, V. FIRM. 54-63.5		BROKEN, SOFT TO HARD LS FRAG 54-54.5
60			WH 1 2	2 3 5					SMALL BROKEN LS. FRAG. 59-59.5'

PROJECT

NUMBER: 99.0331.022
NAME: ENTERPRISE LF

CLIENT: ANGELO'S
LOCATION: DADE CITY, FL

BORING

GR. ELEV.:
DIA-TYPE: ~~#~~4"-MR
DEPTH: 88'
DATE STARTED: 3-15-06
DATE ENDED: 3-15-06

GROUNDWATER

DEPTH:
TIME:
DATE:
REMARKS:

DRILLING

RIG TYPE: CME 45
CREW: UES
SUPERVISOR: LEROY P.

PIEZ/WELL

CASING DIAM.: 2"
CASING TYPE: PVC
CASING DEPTH: 0-73'
SCREEN DEPTH: 73-88'
SCREEN LENGTH: 15'
FILTER PACK: 20/30 SND
RISER HEIGHT ALS: ~3'
T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MGARCIA

MW-12B | 3 of 3

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
65			2 3 5	[illegible]			SILTY-CLAYEY-SAND, TAN + ORANGE, LT. TAN + GRAY, (MOTTLED), FINE TO SILT, MOD. TO HIGH CLAY, FIRM TO V. FIRM. 63.5 - 68.5		BROKEN LS FRAG. 64.5 - 65
70				5 8 10			CLAYEY-SILTY-SAND, LT. TO DARK TAN + ORANGE (MOTTLED), COARSE TO SILT, LOW TO HIGH CLAY, SEMI FIRM TO V. FIRM. 68.5 - 73.5		
75				8 5 7			LS - MARL, ORANGE-TAN TO LT. TAN, CLAYEY-SILT + HARD + WEATHERED LS, SOFT TO V. FIRM. 73.5 - 78.5		"CRUNCHY" ROCK-LIKE DRILLING @ 71' BLS
80				7 8 8 7			LS - MARL MIXED W/ HARD ALTERNATING LAYERS OF LS + LR. SOFT TO HARD, 78.5 -		
85				WR					
90							EOB @ 88'		

PROJECT
NUMBER: 99.0331.022
NAME: ENTERPRISE LF

CLIENT: ANGELO'S
LOCATION: DADE CITY, FL

BORING
GR. ELEV.:
DIA-TYPE: 4" - MR
DEPTH: 88'
DATE STARTED: 3-15-96
DATE ENDED: 3-15-96

GROUNDWATER
DEPTH:
TIME:
DATE:
REMARKS:

DRILLING
RIG TYPE: CME 45
CREW: UES
SUPERVISOR: LEROY P.

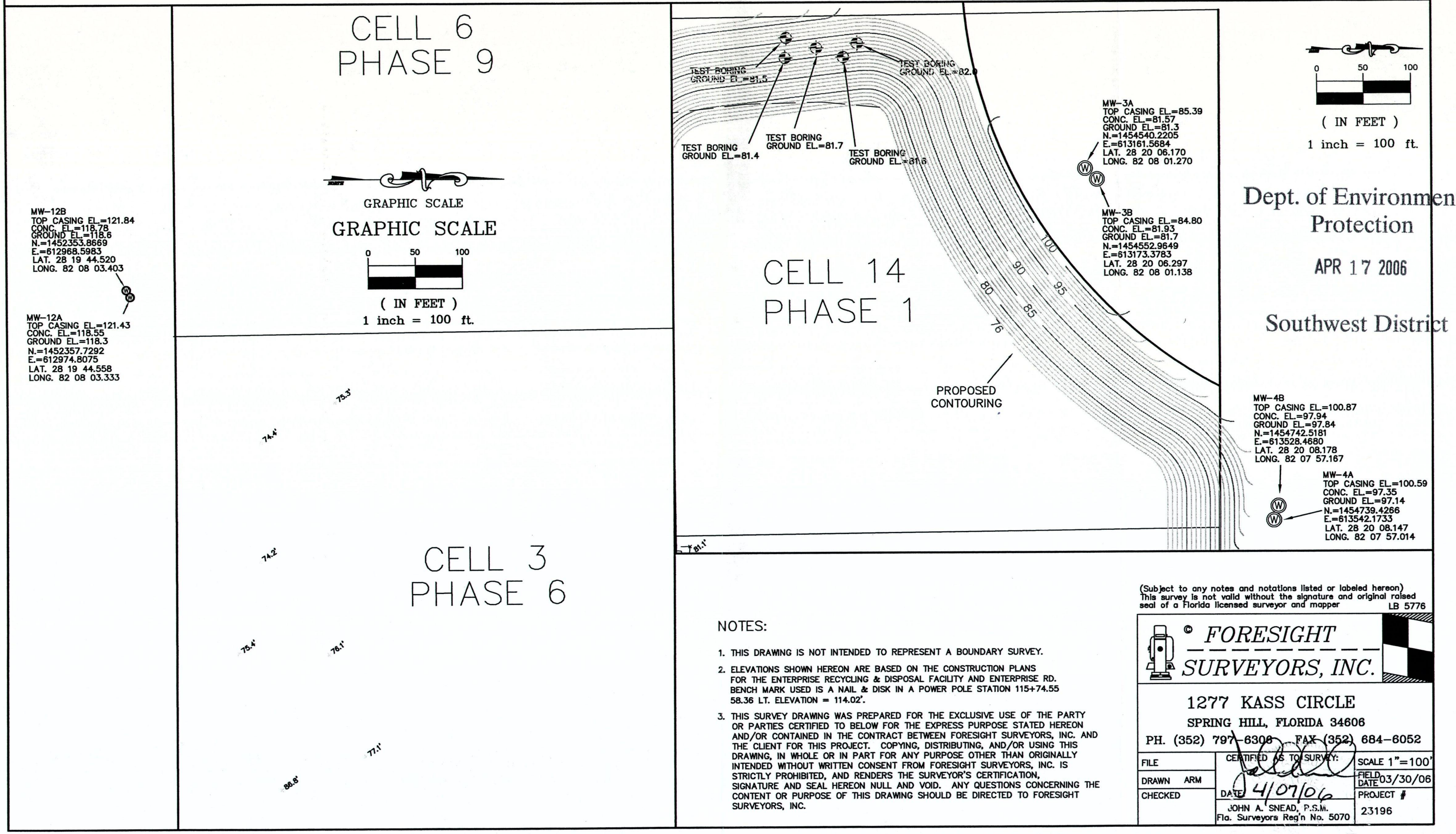
PIEZ/WELL
CASING DIAM.: 2"
CASING TYPE: PVC
CASING DEPTH: 0'-73'
SCREEN DEPTH: 73'-88'
SCREEN LENGTH: 15'
FILTER PACK: 20/30 SND
RISER HEIGHT ALS: ~3'
T.O.C. ELEV.:

REMARKS

ATTACHMENT B

ENTERPRISE RECYCLING AND DISPOSAL FACILITY
MONITOR WELL AND TEST BORING LOCATIONS

SEC 26 TWP 22 S, RNG 18 E.
PASCO COUNTY, FLORIDA



Dept. of Environmental
Protection

APR 17 2006

Southwest District

NOTES:

1. THIS DRAWING IS NOT INTENDED TO REPRESENT A BOUNDARY SURVEY.
2. ELEVATIONS SHOWN HEREON ARE BASED ON THE CONSTRUCTION PLANS FOR THE ENTERPRISE RECYCLING & DISPOSAL FACILITY AND ENTERPRISE RD. BENCH MARK USED IS A NAIL & DISK IN A POWER POLE STATION 115+74.55 58.36 LT. ELEVATION = 114.02'.
3. THIS SURVEY DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF THE PARTY OR PARTIES CERTIFIED TO BELOW FOR THE EXPRESS PURPOSE STATED HEREON AND/OR CONTAINED IN THE CONTRACT BETWEEN FORESIGHT SURVEYORS, INC. AND THE CLIENT FOR THIS PROJECT. COPYING, DISTRIBUTING, AND/OR USING THIS DRAWING, IN WHOLE OR IN PART FOR ANY PURPOSE OTHER THAN ORIGINALLY INTENDED WITHOUT WRITTEN CONSENT FROM FORESIGHT SURVEYORS, INC. IS STRICTLY PROHIBITED, AND RENDERS THE SURVEYOR'S CERTIFICATION, SIGNATURE AND SEAL HEREON NULL AND VOID. ANY QUESTIONS CONCERNING THE CONTENT OR PURPOSE OF THIS DRAWING SHOULD BE DIRECTED TO FORESIGHT SURVEYORS, INC.

(Subject to any notes and notations listed or labeled hereon)
This survey is not valid without the signature and original raised seal of a Florida licensed surveyor and mapper LB 5776

© *FORESIGHT*
SURVEYORS, INC.

1277 KASS CIRCLE
SPRING HILL, FLORIDA 34606
PH. (352) 797-6306 FAX (352) 684-6052

FILE	CERTIFIED AS TO SURVEY:	SCALE 1"=100'
DRAWN ARM		FIELD DATE 03/30/06
CHECKED	DATE 4/07/06	PROJECT #
	JOHN A. SNEAD, P.S.M. Fla. Surveyors Reg'n No. 5070	23196

ATTACHMENT C

STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL

- ☑ Southwest
- ☐ Northwest
- ☐ St. Johns River
- ☐ South Florida
- ☐ Suwannee River

CHECK BOX FOR APPROPRIATE DISTRICT. ADDRESS ON BACK OF PERMIT FORM.

THIS FORM *MUST* BE FILLED OUT COMPLETELY.

The water well contractor is responsible for completing this form and forwarding the permit to the appropriate delegated county where applicable.

Permit No. **735568.03**
Florida Unique I.D. ____
Permit Stipulations Required (See attached) 23 & 39
62-524 well ☐
CUP/WUP Application No. ____
ABOVE THIS LINE FOR OFFICIAL USE ONLY

Fold at this line in order that address is visible through envelope window

Parcel # (PIN) :

1. **Angelo's Recycled Materials** — Owner, Legal Name of Entity if Corporation; **1755 20th Ave. SE.** — Address; **Largo** — City; FL — State; **34641** — Zip; **8102170726** — Telephone Number
2. **Enterprise RDDade City** — Well Location — Address, Road Name or Number, City
3. **David E Kirby** — Well Drilling Contractor; **9176** — License No.; **8137408506** — Telephone No.
   9802 Palm River Rd. — Address
   Tampa — City; **Fl** — State; **33619** — Zip
4. 3 (smallest) 1/4 of 3 (biggest) 1/4 of Section 5 (Indicate Well on Chart)
5. Township 25 Range 22

NW		NE	
✓			
SW		SE	

6. **Pasco** — County; Subdivision Name ____; Lot ____; Block ____; Unit ____
7. Number of proposed wells 3 Well Use : **OBSERVATION OR MONITOR WELL**
   Distance from septic system 1000 ft. Description of facility ____
   Estimated start of construction date 03/04/2006
8. Application for: ✓ New Construction ____ Repair/Modify ____ Abandonment ____ (Reason for Abandonment)
9. Estimated: Well Depth 40 Casing Depth ____ Screen Interval from 20 to 40
   Casing Material: PVC Casing Diameter 2 Seal Material Cement
10. If applicable: Proposed Grouting Interval From 0 to 18 Seal Material Cement
    From ____ to ____ Seal Material ____
    From ____ to ____ Seal Material ____
11. Telescope Casing ____ or Liner ____ (check one) Diameter ____
    Casing Material ____
12. Method of Construction: ✓ Rotary ____ Cable Tool ____ Combination
    ____ Auger ____ Other (specify:) ____
13. Indicate total No. of wells on site 20 . List number of unused wells on site 0 .
14. Is this well or any other well or water withdrawal on the owner's contiguous property covered under a Consumptive/Water Use Permit (CUP/WUP) or CUP/WUP Application? ✓ No ____ Yes
    (If yes, complete the following) CUP/WUP No. 20.
    District well I.D. No. ____
    Latitude ____ Longitude ____
    Data obtained from GPS ____ or map ____ or survey ____ (*map datum NAD 27* ____ *NAD 83* ____)

Date Stamp

SWFWMD Rec'd Date 03/02/2006

Draw a map of well location and indicate well site with an "X". Identify known roads and landmarks; provide distances between well and landmarks.

North
N
South of Enterprise RD. East of Old Lakeland Hwy
Co.RD 35a
West
East
South

15. I hereby certify that I will comply with the applicable rules of Title 40, Florida Administrative Code, and that a water use permit or artificial recharge permit, if needed, has been or will be obtained prior to commencement of well construction. I further certify that all information provided on this application is accurate and that I will obtain necessary approval from other federal, state, or local governments, if applicable. I agree to provide a well completion report to the District within 30 days after drilling or the permit expiration, whichever occurs first.

Digitally Signed — Signature of Contractor
9176 — License No.

I certify that I am the owner of the property, that the information provided is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes, to maintain or properly abandon this well: or, I certify that I am the agent for the owner, that the information provided is accurate, and that I have informed the owner of his responsibilities as stated above. Owner consents to personnel of the WMD or a representative access to the well site.

Digitally Signed — Owner's or Agent's Signature; Date ____

DO NOT WRITE BELOW THIS LINE — FOR OFFICIAL USE ONLY

Approval Granted By: ____ Issue Date: 3-2-06 Hydrologist Approval ____ Initials
Owner Number: 329565 Fee Received: $ 50.0000 Receipt No.: 1221072 Check No.: ____

THIS PERMIT NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD. IT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL DRILLING OPERATIONS. ***This permit is valid for 90 days from date of issue.***

FORM 41.10 – 410 (1) REV. 4/95

WHITE: ORIGINAL FILE
YELLOW: DRILLING CONTRACTOR
PINK: OWNER

UNIVERSAL ENGINEERING SCIENCES
WELL COMPLETION LOG

PROJECT NO.: X
REPORT NO.:
PAGE NO.:

PROJECT: Enterprise Landfill Dade city

CLIENT:

DATE: 3/3/06

WELL NUMBER: MW 4

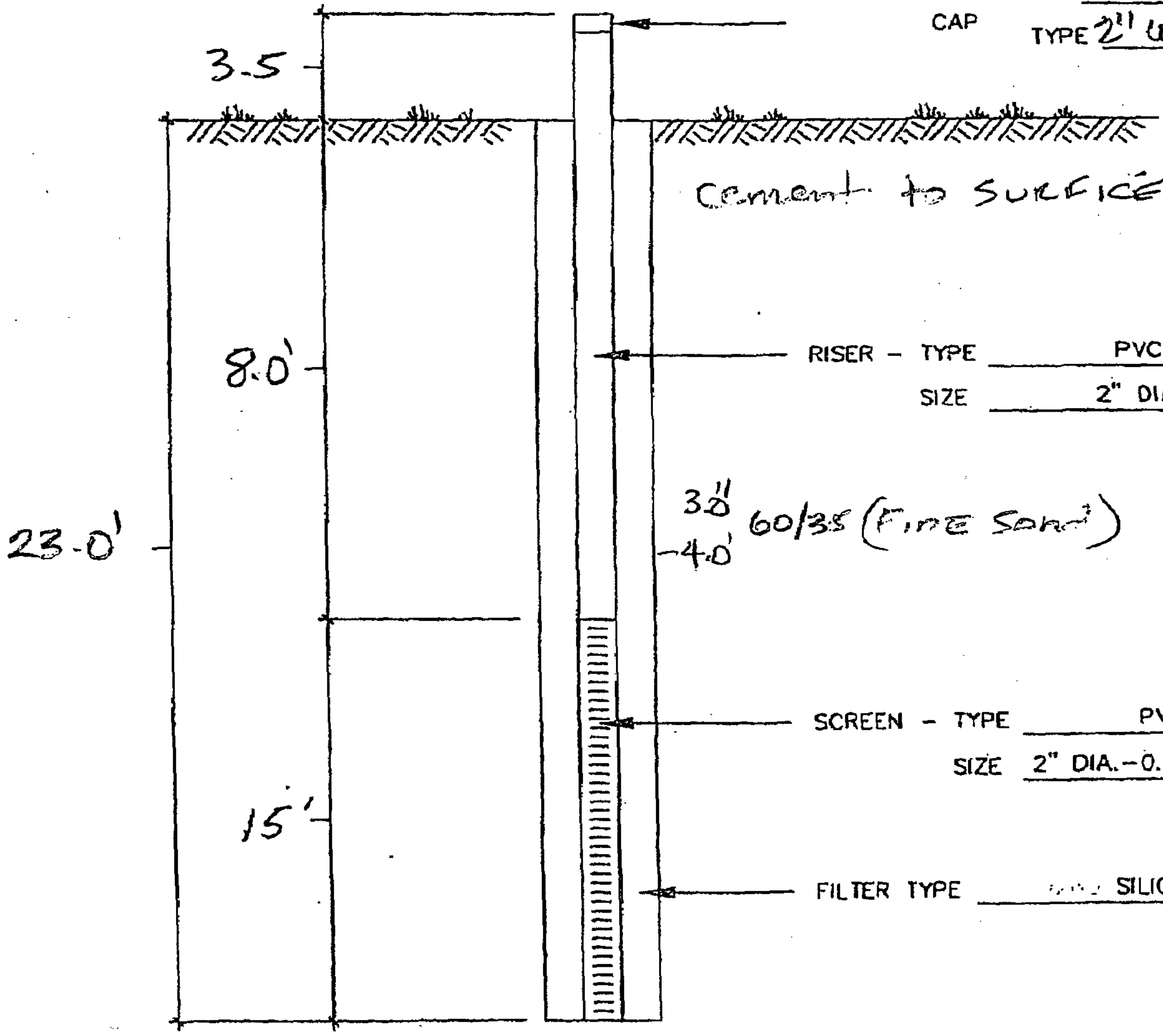
LOCATION: Stake by miguel

INSTALLED BY:

WELL DIAGRAM – NOT TO SCALE

PROTECTIVE CASING – YES 6" aluminum
NO

CAP TYPE 2" locking cap



RISER – TYPE PVC
SIZE 2" DIA.

SCREEN – TYPE PVC
SIZE 2" DIA.–0.0[illegible]" SLOT

FILTER TYPE [illegible] SILICA SAND

MW4

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT #: 735568.03 CUP/WUP#: ______ DID#: ______

Indicate the number of wells drilled/abandoned for this report: 1

Indicate the number of wells permitted but not drilled/abandoned that are being cancelled: 0

WATER WELL CONTRACTOR'S SIGNATURE Digitally Signed License # 9176

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (ft.)	To (ft.)
Neat Cement:			
Bentonite:			
(Other) Combination:	1	0	3

WELL LOCATION: County Pasco

3 1/4 of 3 1/4 of Section 5, Township 25, Range 22

Latitude: ______, Longitude: ______

DATE STAMP

Official Use Only

Sketch of well location on property

Give distances from septic tank and house, or other reference points

CHEMICAL ANALYSIS WHEN REQUIRED

Iron: ___ppm Sulfate: ___ppm

Chlorides: ___ ppm TDS ___ mg/l

Conductivity ______ umhos/cm

☐ Lab Test ☐ Field Test Kit

Pump Type

☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine

Horsepower: ______ Capacity: ______ GPM: ______

Pump Depth: ______ft. Intake Depth: ______ft.

Form LEG-R.005.00(10/05)

OWNER'S NAME: Angelo's Recycled Materials

COMPLETETION DATE: 03/06/2006 Florida Unique I.D.: ______

Parcel # (Pin): ______

WELL USE:

☐ Public Supply ☐ Irrigation ☐ Domestic ☐ Monitor

☐ Injection ☑ Other T

DRILL METHOD:

☑ Rotary ☐ Cable Tool ☐ Combination

☐ Jet ☐ Auger ☐ Other ______

Measured Static Water Level: 17 Measured Pumping Water Level: ______

After ___Hours at ___GPM. Measuring Pt. (Describe): ______

Which is ___ft. ☐ above ☐ below land surface

Casing: ☐ Black Steel ☐ Galvanized ☑ PVC ☐ Other: ______

☐ Open Hole

☑ Screen

DRILL CUTTINGS LOG

Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones.

Casing Diameter and Depth (ft.)	Depth (feet) From	Depth (feet) To	*Color*	*Grain Size*	*Type of Material*
Diameter: 2 From: 0 To: 3	0	12	Brn Org	Fine	sand
	12	23	Tan Org	Fine	Sandy Clay
Diameter: ___ From: ___ To: ___					
Liner ☐ or Casing ☐ Diameter: ___ From: ___ To: ___					

Driller's Name (print or type): ______

UNIVERSAL ENGINEERING SCIENCES
WELL COMPLETION LOG

PROJECT NO.:
REPORT NO.:
PAGE NO.:

PROJECT: Enterprise Landfill Dade city

CLIENT:

DATE: 3/3/06

WELL NUMBER: mw3

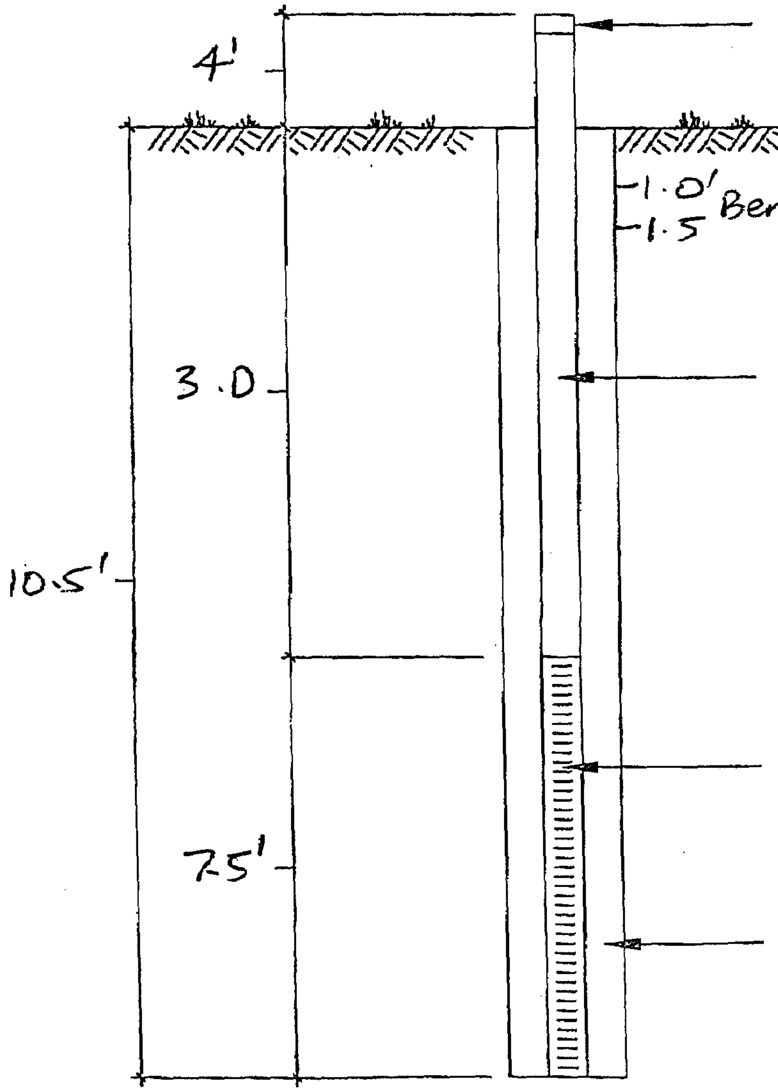
LOCATION: Staked by miquel

INSTALLED BY: U.E.S. DRILLING DEPT. – Tampa

WELL DIAGRAM – NOT TO SCALE

PROTECTIVE CASING – YES ✓ 6" Aluminum
NO

CAP TYPE 2" Locking cap



RISER – TYPE PVC
SIZE 2" DIA.

SCREEN – TYPE PVC
SIZE 2" DIA.-0.10 SLOT

FILTER TYPE 20/30 SILICA SAND

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT #: 735568.03 CUP/WUP#: ____ DID#: ____

Indicate the number of wells drilled/abandoned for this report: 1

Indicate the number of wells permitted but not drilled/abandoned that are being cancelled: 0

WATER WELL CONTRACTOR'S SIGNATURE Digitally Signed License # 9176

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (ft.)	To (ft.)
Neat Cement:			
Bentonite:			
(Other) Combination:	1	0	3

WELL LOCATION: County Pasco

3 1/4 of 3 1/4 of Section 5, Township 25, Range 22

Latitude: ____, Longitude: ____

DATE STAMP

Official Use Only

Sketch of well location on property

Give distances from septic tank and house, or other reference points

CHEMICAL ANALYSIS WHEN REQUIRED

Iron: ____ppm Sulfate: ____ppm

Chlorides: ____ ppm TDS ____ mg/l

Conductivity ____ umhos/cm

☐ Lab Test ☐ Field Test Kit

Pump Type

☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine

Horsepower: ____ Capacity: ____ GPM: ____

Pump Depth: ____ft. Intake Depth: ____ft.

Form LEG-R.005.00(10/05)

MW3

OWNER'S NAME: Angelo's Recycled Materials

COMPLETETION DATE: 03/06/2006 Florida Unique I.D.: ____

Parcel # (Pin): ____

WELL USE:

☐ Public Supply ☐ Irrigation ☐ Domestic ☐ Monitor

☐ Injection ☑ Other T

DRILL METHOD:

☑ Rotary ☐ Cable Tool ☐ Combination

☐ Jet ☐ Auger ☐ Other ____

Measured Static Water Level: 10.50 Measured Pumping Water Level: ____

After ____Hours at ____GPM. Measuring Pt. (Describe): ____

Which is ____ft. ☐ above ☐ below land surface

Casing: ☐ Black Steel ☐ Galvanized ☑ PVC ☐ Other: ____

☐ Open Hole ☑ Screen	Depth (feet)		DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones.		
Casing Diameter and Depth (ft.)	From	To	*Color*	*Grain Size*	*Type of Material*
Diameter: 2 From: 0 To: 3	0	10.50	Brn Org	Fine	sand
	[illegible] Sand				
Diameter: ____ From: ____ To: ____					
Liner ☐ or Casing ☐ Diameter: ____ From: ____ To: ____					

Driller's Name (print or type): ____

UNIVERSAL ENGINEERING SCIENCES
GAS PROBE COMPLETION LOG

PROJECT NO.: X

REPORT NO.:

PAGE NO.:

PROJECT: Enterprise LF Dade City

CLIENT:

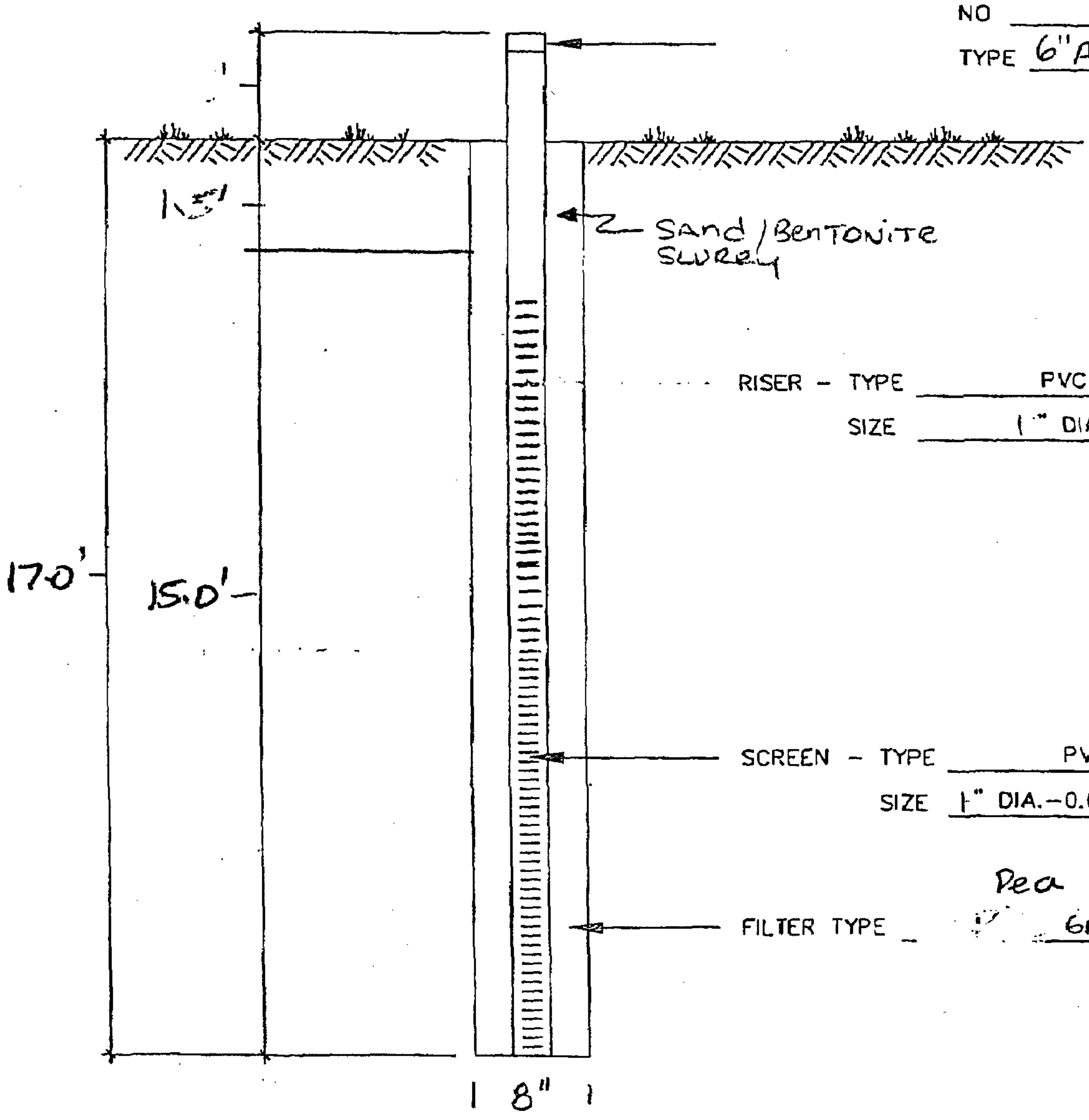
DATE: 3-3-06

WELL NUMBER: GP 6

LOCATION: Stake by miquel

INSTALLED BY: LPRINCE

WELL DIAGRAM – NOT TO SCALE



PROTECTIVE CASING – YES ✓

NO

TYPE 6" Aluminum

RISER – TYPE PVC

SIZE 1" DIA.

SCREEN – TYPE PVC

SIZE 1" DIA.–0.010" SLOT

FILTER TYPE Pea GRAVEL

GP 6

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT #: 735568.03 CUP/WUP#: ________ DID#: ________

Indicate the number of wells drilled/abandoned for this report: 1

Indicate the number of wells permitted but not drilled/abandoned that are being cancelled: 0

WATER WELL CONTRACTOR'S SIGNATURE Digitally Signed License # 9176

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (ft.)	To (ft.)
Neat Cement:			
Bentonite:			
(Other) Combination:	0.50	0	2

WELL LOCATION: County Pasco

3 1/4 of 3 1/4 of Section 5, Township 25, Range 22

Latitude: ________, Longitude: ________

DATE STAMP

Official Use Only

Sketch of well location on property

Give distances from septic tank and house, or other reference points

CHEMICAL ANALYSIS WHEN REQUIRED

Iron: ____ppm Sulfate: ____ppm

Chlorides: ____ ppm TDS ____ mg/l

Conductivity ____ umhos/cm

[ ] Lab Test [ ] Field Test Kit

Pump Type

[ ] Centrifugal [ ] Jet [ ] Submersible [ ] Turbine

Horsepower: ______ Capacity: ______ GPM: ______

Pump Depth: ______ft. Intake Depth: ______ft.

Form LEG-R.005.00(10/05)

OWNER'S NAME: Angelo's Recycled Materials

COMPLETETION DATE: 03/06/2006 Florida Unique I.D.: ________

Parcel # (Pin): ________

WELL USE:

[ ] Public Supply [ ] Irrigation [ ] Domestic [ ] Monitor

[ ] Injection [✓] Other T

DRILL METHOD:

[ ] Rotary [ ] Cable Tool [ ] Combination

[ ] Jet [✓] Auger [ ] Other ________

Measured Static Water Level: 30 Measured Pumping Water Level: ______

After ____Hours at ____GPM. Measuring Pt. (Describe): ________

Which is ____ft. [ ] above [ ] below land surface

Casing: [ ] Black Steel [ ] Galvanized [✓] PVC [ ] Other: ________

[ ] Open Hole [✓] Screen	Depth (feet)		DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones.		
Casing Diameter and Depth (ft.)	From	To	*Color*	*Grain Size*	*Type of Material*
Diameter: 2 From: 0 To: 2	0	17	org brn	Fine	Sand
Diameter: ____ From: ____ To: ____					
Liner [ ] or Casing [ ] Diameter: ____ From: ____ To: ____					

Driller's Name (print or type): ________

STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL

☑ Southwest
☐ Northwest
☐ St. Johns River
☐ South Florida
☐ Suwannee River

CHECK BOX FOR APPROPRIATE DISTRICT ADDRESS ON BACK OF PERMIT FORM

THIS FORM MUST BE FILLED OUT COMPLETELY.

The water well contractor is responsible for completing this form and forwarding the permit to the appropriate delegated county where applicable.

Permit No. 736024.04
Florida Unique I.D. ______
Permit Stipulations Required (See attached)
62-524 Quad # ______ Delineation # ______
CUP/WUP Application No. ______
ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. Angelo's Recycled Materials (Owner, Legal Name of Entity if Corporation) 1755 20TH AVE (Address) Largo FL (City) 34641 (Zip) (727) 581-1544 (Telephone Number)

2. Enterprise RD, Dade City (Well Location _Address, Road Name or number, City)
Parcel # (Pin) ______

3. David Kirby (Well Drilling Contractor) 9176 (License No.) (813) 740-8506 (Telephone No.)
9802 Palm River Road (Address)
Tampa (City) FL (State) 33619 (Zip)

4. 3 (smallest) 1/4 of 3 (biggest) 1/4 of Section 5 (Indicate Well on Chart)

5. Township 25 Range 22

NW NE ✓ SW SE

6. Pasco (County) ______ (Subdivision Name) ______ (Lot) ______ (Block) ______ (Unit)

7. Number of proposed wells 4 Check the use of well: (See back of permit for additional choices) ______ Domestic Monitor (type) ______
______ Irrigation (Type) (See Back) Public Water Supply (type) ______ (See Back) List Other Test well / piezometer
Distance from septic system 1000 ft. Description of facility ______ Estimated start of construction date 3/13/2006

8. Application for: ✓ New Construction ______ Repair/Modify ______ Abandonment ______ (Reason for Abandonment)

Date Stamp

9. Estimated: Well Depth 60 Casing Depth 50 Screen Interval from 50 to 60
Casing Material: XXXXXX / XXX / PVC Casing Diameter 2 (smallest) Seal Material Bentonite

10. If applicable: Proposed Grouting Interval From 0 to 47 Seal Material Cement
From ______ to ______ Seal Material ______
From ______ to ______ Seal Material ______

11. Telescope Casing ____ or Liner ____ (check one) Diameter ______
Blk-Steel / Galvanized / PVC Other (specify:) ______

12. Method of Construction: ✓ Rotary ______ Cable Tool ______ Combination
______ Auger ______ Other (specify:) ______

13. Indicate total No. of wells on site 24 List number of unused wells on site 0

14. Is this well or any other well or water withdrawal on the owner's contiguous property covered under a Consumptive/Water Use Permit (CUP/WUP) or CUP/WUP Application? ✓ No ___ Yes
(IF YES, COMPLETE THE FOLLOWING) CUP/WUP No. ______
District well I.D. No. ______
Latitude ______ Longitude ______
Data obtained from GPS ____ or map ____ or survey ____ (*map datum NAD 27*___ *NAD 83*___)

Draw a map of well location and indicate well site with an "X" identify known roads and landmarks: provide distances betwen well and landmarks.

North ⇧

North of Enterprise RD. East of Old Lakeland HWY Co. RD 35a

West East South

15. I hereby certify that I will comply with the applicable rules of Title 40, Florida Administrative Code and that a water use permit or artificial recharge permit, if needed, has been or will be obtained prior to commencement of well construction. I further certify that all information provided on this application is accurate and that I will obtain necessary approval from other federal, state, or local governments, if applicable. I agree to provide a well completion report to the District within 30 days after drilling or the permit expiration, whichever occurs first.

I certify that I am the owner of the property, that the information provided is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes, to maintain or properly abandon this well; or, I certify that I am the agent for the owner, that the information provided is accurate, and that I have informed the owner of his responsibilities as stated above. Owner consents to personnel of the WMD or a representative access to the well site.

Digitally Signed (Signature of Contractor) 9176 (License No.) Digitally Signed (Owner's or Agent's Signature) 3/8/2006 (Date)

DO NOT WRITE BELOW THIS LINE - FOR OFFICIAL USE ONLY

Approval Granted By: ______ Issue Date: ______ Hydrologist Approval ______ (Initials)
Owner Number: ______ Fee Received: $ 50.00 Receipt No.: 1234230 Check No.: ______

THIS PERMIT NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD. IT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL DRILLING OPERATIONS. *This permit is valid for 90 days from the date of issue.*

FORM 41.10 - 410 (1) REV. 12/04

WHITE: ORIGINAL FILE
YELLOW: DRILLING CONTRACTOR
PINK: OWNER

UNIVERSAL ENGINEERING SCIENCES
WELL COMPLETION LOG

PROJECT NO.:

REPORT NO.:

DATE:

PROJECT: Enterprise L.F. Dade city L.F.

CLIENT: Angelo's Rec. DATE: 3/14/06

WELL NUMBER: MW 4B LOCATION: Staked By miquel

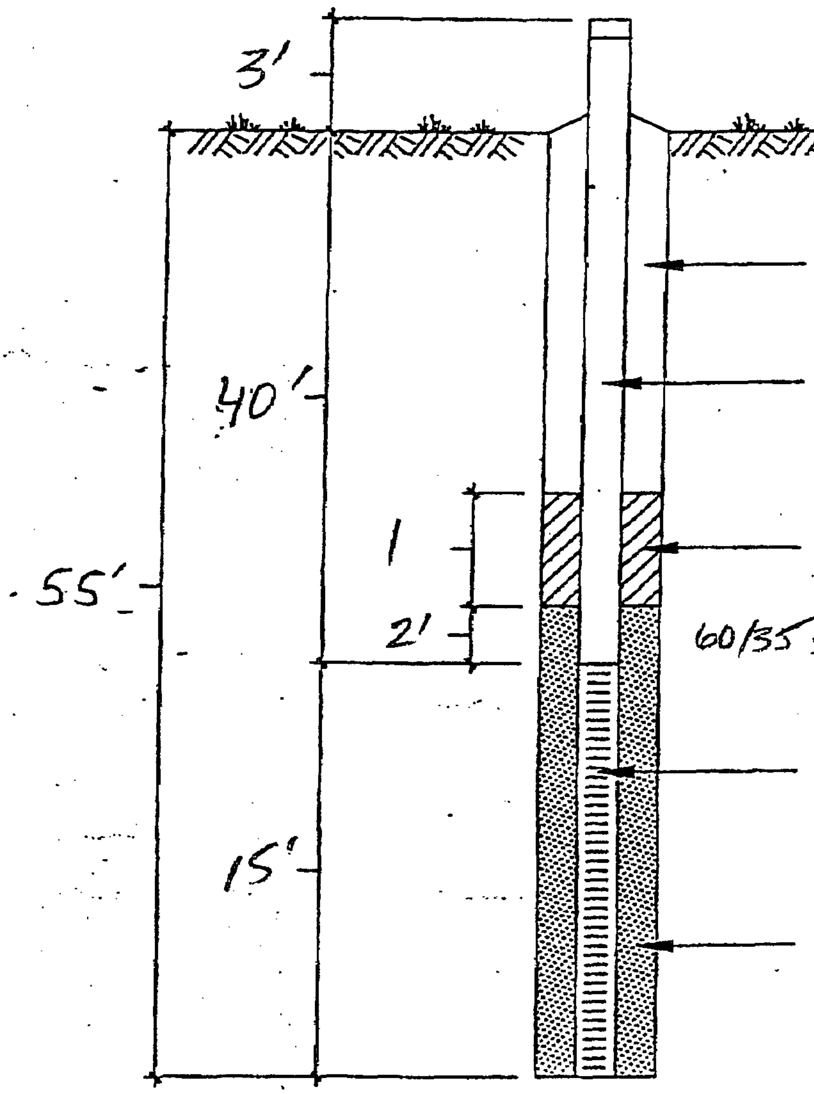
INSTALLED BY: LPrince

WELL DIAGRAM - NOT TO SCALE

PROTECTIVE CASING — YES ✓

NO

TYPE 6" aluminum



CEMENT GROUT

RISER — TYPE PVC

SIZE 2"

BENTONITE SEAL

60/35 silica

SCREEN — TYPE 2" PVC

SIZE 0.001

FILTER TYPE 20/30 silica

MW 4B

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT #: 736024.04 CUP/WUP#: ________ DID#: ________

Indicate the number of wells drilled/abandoned for this report: 1

Indicate the number of wells permitted but not drilled/abandoned that are being cancelled: 0

WATER WELL CONTRACTOR'S
SIGNATURE Digitally Signed License # 9176

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (ft.)	To (ft.)
Neat Cement:			
Bentonite:			
(Other) Combination:	8	0	37

WELL LOCATION: County Pasco

3 1/4 of 3 1/4 of Section 5, Township 25, Range 22

Latitude: ________, Longitude: ________

DATE STAMP

Official Use Only

Sketch of well location on property

Give distances from septic tank and house, or other reference points

CHEMICAL ANALYSIS WHEN REQUIRED

Iron: ____ppm Sulfate: ____ppm

Chlorides: ____ ppm TDS ____ mg/l

Conductivity ____ umhos/cm

[ ] Lab Test [ ] Field Test Kit

Pump Type

[ ] Centrifugal [ ] Jet [ ] Submersible [ ] Turbine

Horsepower: ____ Capacity: ____ GPM: ____

Pump Depth: ____ft. Intake Depth: ____ft.

Form LEG-R.005.00(10/05)

OWNER'S NAME: Angelo's Recycled Materials

COMPLETETION DATE: 03/14/2006 Florida Unique I.D.: ________

Parcel # (Pin): ________

WELL USE:

[ ] Public Supply [ ] Irrigation [ ] Domestic [ ] Monitor

[ ] Injection [X] Other Test Well / Piezometer

DRILL METHOD:

[X] Rotary [ ] Cable Tool [ ] Combination

[ ] Jet [ ] Auger [ ] Other ________

Measured Static Water Level: 38 Measured Pumping Water Level: ____

After ____Hours at ____GPM. Measuring Pt. (Describe): ____

Which is ____ft. [ ] above [ ] below land surface

Casing: [ ] Black Steel [ ] Galvanized [X] PVC [ ] Other: ____

[ ] Open Hole [X] Screen	Depth (feet)		DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones.
Casing Diameter and Depth (ft.)	From	To	*Color | Grain Size | Type of Material*
Diameter: 2 From: 0 To: 37	0	35	org brn fine clay sand
	35	55	cream tan clay & ls
Diameter: ____ From: ____ To: ____			
Liner [ ] or Casing [ ] Diameter: ____ From: ____ To: ____			

Driller's Name (print or type): ________

UNIVERSAL ENGINEERING SCIENCES
WELL COMPLETION LOG

PROJECT NO.: -

REPORT NO.:

DATE:

PROJECT: Enterprise L.F. Dade city

CLIENT: Angelo's Rec. DATE: 3/13/06

WELL NUMBER: mw3B LOCATION: Staked by miguel

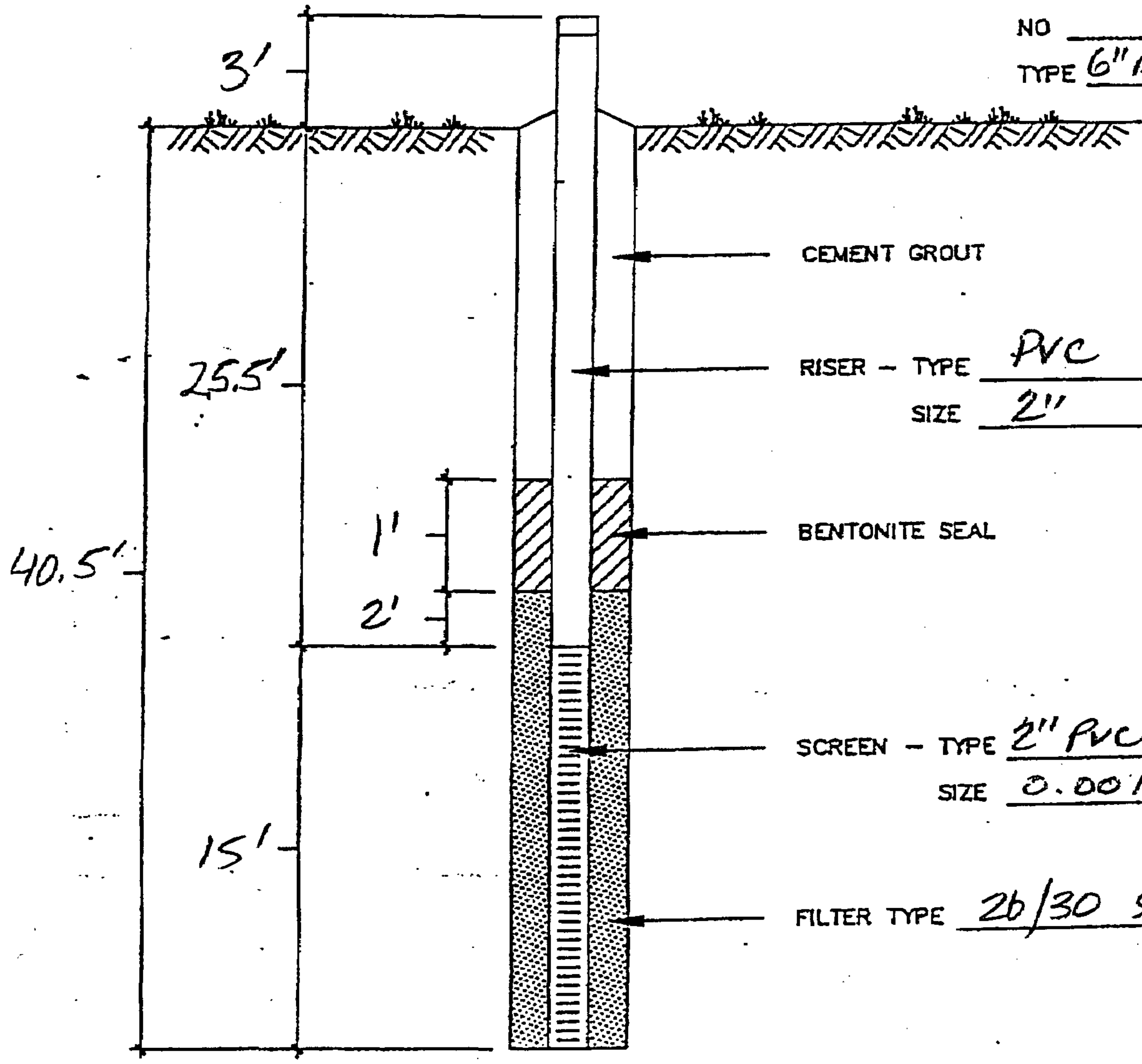
INSTALLED BY: LPrince

WELL DIAGRAM - NOT TO SCALE

PROTECTIVE CASING – YES ✓

NO

TYPE 6" Aluminum



RISER – TYPE PVC

SIZE 2"

SCREEN – TYPE 2" PVC

SIZE 0.001

FILTER TYPE 26/30 silica

MW 3B

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT #: 736024.04 CUP/WUP#: ________ DID#: ________

Indicate the number of wells drilled/abandoned for this report: 1

Indicate the number of wells permitted but not drilled/abandoned that are being cancelled: 0

WATER WELL CONTRACTOR'S SIGNATURE Digitally Signed License # 9176

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (ft.)	To (ft.)
Neat Cement:			
Bentonite:			
(Other) Combination:	10	0	23

WELL LOCATION: County Pasco

3 1/4 of 3 1/4 of Section 5, Township 25, Range 22

Latitude: ________, Longitude: ________

DATE STAMP

Official Use Only

Sketch of well location on property

Give distances from septic tank and house, or other reference points

CHEMICAL ANALYSIS WHEN REQUIRED

Iron: ____ppm Sulfate: ____ppm

Chlorides: ____ ppm TDS ____ mg/l

Conductivity ____ umhos/cm

[ ] Lab Test [ ] Field Test Kit

Pump Type

[ ] Centrifugal [ ] Jet [ ] Submersible [ ] Turbine

Horsepower: ______ Capacity: ______ GPM: ______

Pump Depth: ______ ft. Intake Depth: ______ ft.

Form LEG-R.005.00(10/05)

OWNER'S NAME: Angelo's Recycled Materials

COMPLETETION DATE: 03/13/2006 Florida Unique I.D.: ________

Parcel # (Pin): ________

WELL USE:

[ ] Public Supply [ ] Irrigation [ ] Domestic [ ] Monitor

[ ] Injection ☒ Other Test Well / Piezometer

DRILL METHOD:

☒ Rotary [ ] Cable Tool [ ] Combination

[ ] Jet [ ] Auger [ ] Other ________

Measured Static Water Level: 25 Measured Pumping Water Level: 28

After ___ Hours at ___ GPM. Measuring Pt. (Describe): ________

Which is ___ ft. [ ] above [ ] below land surface

Casing: [ ] Black Steel [ ] Galvanized ☒ PVC [ ] Other: ________

[ ] Open Hole ☒ Screen	Depth (feet)		DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones.
Casing Diameter and Depth (ft.)	From	To	Color | Grain Size | Type of Material
Diameter: 2 From: 0 To: 23	0	20	org & brn fine clayey sand
	20	38	org & cream clay & ls
Diameter: ____ From: ____ To: ____			
Liner [ ] or Casing [ ] Diameter: ____ From: ____ To: ____			

Driller's Name (print or type): ________

UNIVERSAL ENGINEERING SCIENCES
WELL COMPLETION LOG

PROJECT NO.:
REPORT NO.:
DATE:

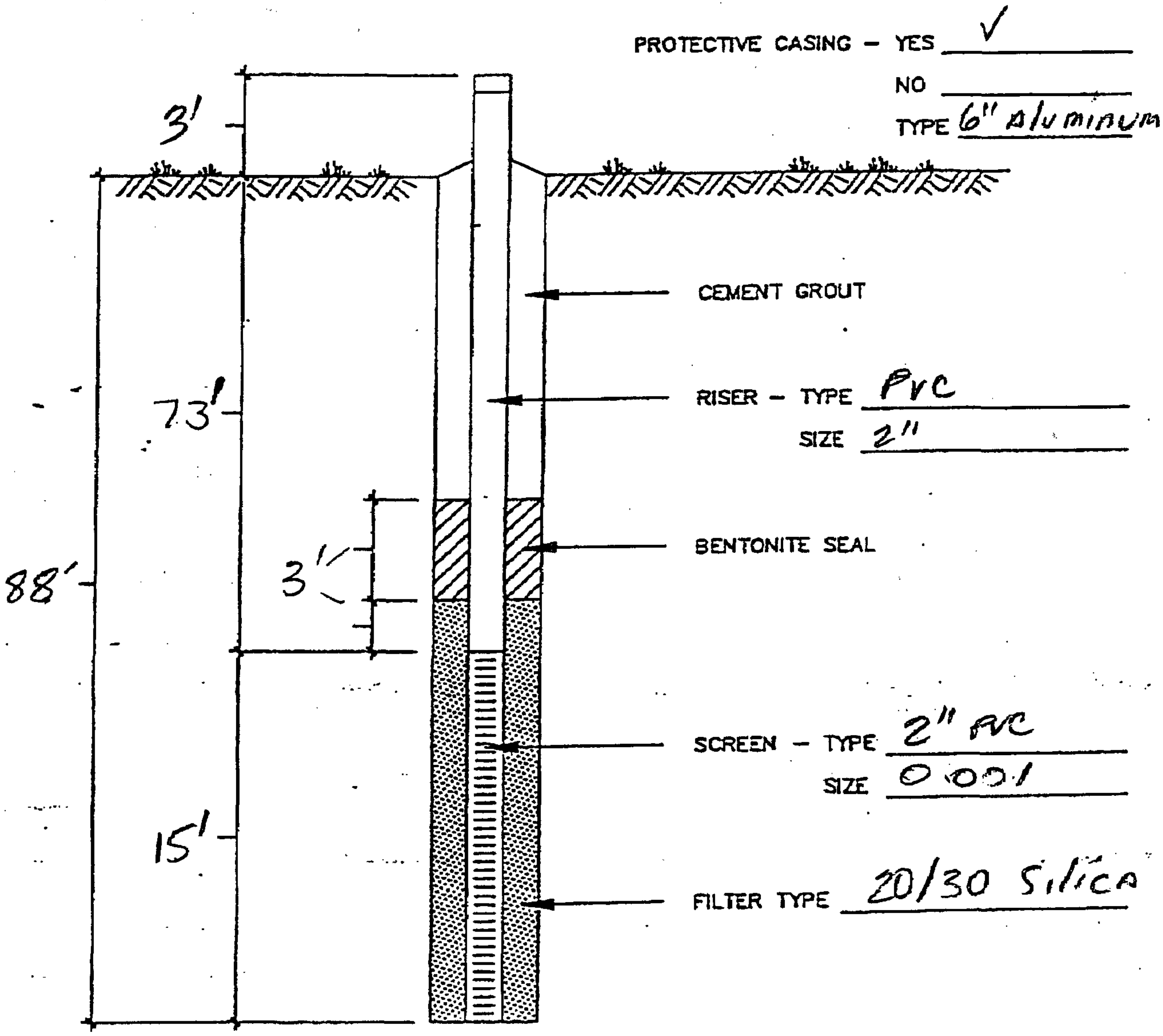
PROJECT: Enterprise L.F. Dade City

CLIENT: Angelo's Rec. DATE: 3/16/06

WELL NUMBER: MW 12 B LOCATION: Staked by miguel

INSTALLED BY: LPRINCE

WELL DIAGRAM - NOT TO SCALE



PROTECTIVE CASING - YES ✓
NO
TYPE 6" aluminum

RISER - TYPE PVC
SIZE 2"

SCREEN - TYPE 2" PVC
SIZE 0.001

FILTER TYPE 20/30 Silica

MW12B

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT #: 736024.04 CUP/WUP#: ________ DID#: ________

Indicate the number of wells drilled/abandoned for this report: 1

Indicate the number of wells permitted but not drilled/abandoned that are being cancelled: 0

WATER WELL CONTRACTOR'S SIGNATURE Digitally Signed License # 9176

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (ft.)	To (ft.)
Neat Cement:			
Bentonite:			
(Other) Combination:	10	0	70

WELL LOCATION: County Pasco

3 1/4 of 3 1/4 of Section 5, Township 25, Range 22

Latitude: ________, Longitude: ________

DATE STAMP

Official Use Only

Sketch of well location on property

Give distances from septic tank and house, or other reference points

CHEMICAL ANALYSIS WHEN REQUIRED

Iron: ____ppm Sulfate: ____ppm

Chlorides: ____ ppm TDS ____ mg/l

Conductivity ____ umhos/cm

☐ Lab Test ☐ Field Test Kit

Pump Type

☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine

Horsepower: ____ Capacity: ____ GPM: ____

Pump Depth: ____ ft. Intake Depth: ____ ft.

Form LEG-R.005.00(10/05)

OWNER'S NAME: Angelo's Recycled Materials

COMPLETETION DATE: 03/16/2006 Florida Unique I.D.: ________

Parcel # (Pin): ________

WELL USE:

☐ Public Supply ☐ Irrigation ☐ Domestic ☐ Monitor

☐ Injection ☒ Other Test Well / Piezometer

DRILL METHOD:

☒ Rotary ☐ Cable Tool ☐ Combination

☐ Jet ☐ Auger ☐ Other ________

Measured Static Water Level: 41 Measured Pumping Water Level: ________

After ____ Hours at ____ GPM. Measuring Pt. (Describe): ________

Which is ____ ft. ☐ above ☐ below land surface

Casing: ☐ Black Steel ☐ Galvanized ☒ PVC ☐ Other: ________

☐ Open Hole ☒ Screen Casing Diameter and Depth (ft.)	Depth (feet) From	Depth (feet) To	DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones. Color | Grain Size | Type of Material
Diameter: 2 From: 0 To: 70	0	20	org & tan fine clayey sand
	20	53	org & brn clay & sand
	53	85	org & brn clay,sand & ls
Diameter: ____ From: ____ To: ____			
Liner ☐ or Casing ☐ Diameter: ____ From: ____ To: ____			

Driller's Name (print or type): ________

UNIVERSAL ENGINEERING SCIENCES
WELL COMPLETION LOG

PROJECT NO.:

REPORT NO.:

DATE:

PROJECT: Enterprise L.F. Dade city

CLIENT: Angelo's Rec.

DATE: 3/16/06

WELL NUMBER: mw 12A

LOCATION: Staked by Miguel

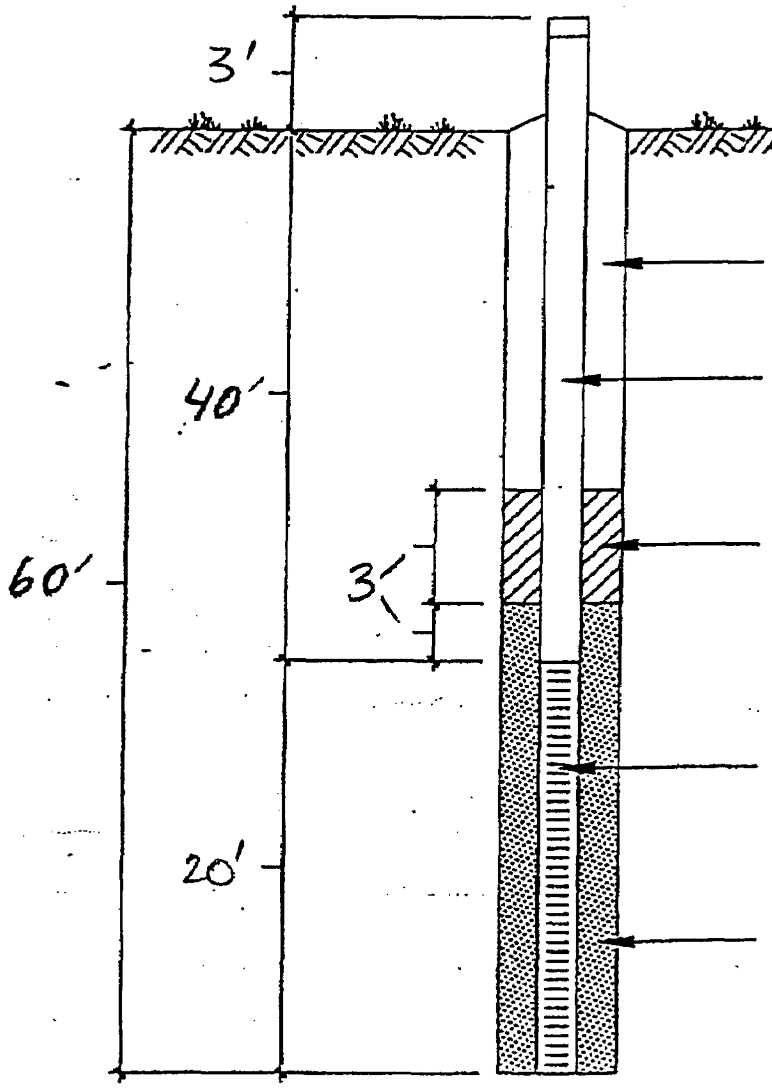
INSTALLED BY: LPrince

WELL DIAGRAM - NOT TO SCALE

PROTECTIVE CASING – YES ✓

NO

TYPE 6" aluminum



RISER – TYPE PVC

SIZE 2"

SCREEN – TYPE 2" PVC

SIZE 0,001

FILTER TYPE 20/30 Silica

MW 12A

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT #: 736024.04 CUP/WUP#: ____ DID#: ____

Indicate the number of wells drilled/abandoned for this report: 1

Indicate the number of wells permitted but not drilled/abandoned that are being cancelled: 0

WATER WELL CONTRACTOR'S SIGNATURE Digitally Signed License # 9176

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (ft.)	To (ft.)
Neat Cement:			
Bentonite:			
(Other) Combination:	6	0	37

WELL LOCATION: County Pasco

3 1/4 of 3 1/4 of Section 5, Township 25, Range 22

Latitude: ____, Longitude: ____

DATE STAMP

Official Use Only

Sketch of well location on property

Give distances from septic tank and house, or other reference points

CHEMICAL ANALYSIS WHEN REQUIRED

Iron: ____ppm Sulfate: ____ppm

Chlorides: ____ ppm TDS ____ mg/l

Conductivity ____ umhos/cm

☐ Lab Test ☐ Field Test Kit

Pump Type

☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine

Horsepower: ____ Capacity: ____ GPM: ____

Pump Depth: ____ft. Intake Depth: ____ft.

Form LEG-R.005.00(10/05)

OWNER'S NAME: Angelo's Recycled Materials

COMPLETETION DATE: 03/17/2006 Florida Unique I.D.: ____

Parcel # (Pin): ____

WELL USE:

☐ Public Supply ☐ Irrigation ☐ Domestic ☐ Monitor

☐ Injection ☒ Other Test Well / Piezometer

DRILL METHOD:

☒ Rotary ☐ Cable Tool ☐ Combination

☐ Jet ☐ Auger ☐ Other ____

Measured Static Water Level: 38 Measured Pumping Water Level: ____

After ____Hours at ____GPM. Measuring Pt. (Describe): ____

Which is ____ft. ☐ above ☐ below land surface

Casing: ☐ Black Steel ☐ Galvanized ☒ PVC ☐ Other: ____

☐ Open Hole
☒ Screen

Casing Diameter and Depth (ft.)	Depth (feet) From	Depth (feet) To	DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones. Color | Grain Size | Type of Material
Diameter: 2 From: 0 To: 37	0	20	org & brn fine clayey sand
	20	57	org,brn & grn clay & clayey sand
Diameter: ____ From: ____ To: ____			
Liner ☐ or Casing ☐ Diameter: ____ From: ____ To: ____			

Driller's Name (print or type): ____

TETRA TECH, INC.

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants

OFFICERS:

Mark A. Rynning, P.E., M.B.A.
James E. Christopher, P.E.
Charles W. Drake, P.G.
William D. Musser, P.E., P.H.
Lawrence E. Jenkins, P.S.M.

SENIOR ASSOCIATES:

Marco H. Rocca, C.M.C.
Roderick K. Cashe, P.E.
Douglas P. Dufresne, P.G.
Jon D. Fox, P.E.
Daniel M. Nelson, P.E.

ASSOCIATES:

Les H. Porterfield, P.E.
Andrew T. Woodcock, P.E., M.B.A.
John P. Toomey, P.E.
Jennifer L. Woodall, P.E.
Rafael A. Terrero, P.E., DEE
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Valerie C. Davis, P.G.
Charles M. Shultz, P.E.
Sean M. Parks, AICP, QEP
W. Bruce Lafrenz, P.G.
Alexis K. Stewart, P.E.
Christopher W. Hardin, P.E.
James R. Warner, P.E.

May 9, 2005

HAI #99.0331.022
File 13.2

D.E.P.
MAY 11 2005
Southwest District Tampa

Via UPS Ground

Mr. John Morris, P.G.
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Subject: **Monitoring Well Completion Reports**
Enterprise Recycling & Disposal Facility
Angelo's Aggregate Materials, Ltd.
FDEP Permit Nos. 177982-001-SC, 177982-002-SO
Pasco County, Florida

Dear Mr. Morris:

On behalf of Angelo's Aggregate Materials, Inc., Tetra Tech HAI (Tt-HAI) is submitting for your review the monitoring well completion reports for three (3) detection monitoring wells (MW-8B, MW-9B, and MW-10B), at the subject site in Dade City, Florida, see Figure 1. Tt-HAI personnel were at the subject site at various times from March 30 – April 5, 2005 during the monitoring well installations. Upon completion of all the monitor wells, each well was completed with a 2'x2' concrete pad and a steel aboveground protector. Each monitor well was also developed with a stainless steel submersible pump with clean polyethylene tubing for 1 hour or until the water was pumped clean.

A monitoring well completion report and an HAI boring log have been included for each well, included in Attachment A. An as-built monitoring well construction diagram summarizing each well is included as Figure 2. A horizontal and vertical survey of the wells is also enclosed, in Attachment B.

After the completion of the monitor well pilot holes, several variations were made to the monitor well designs proposed in the permit modification application. The majority of these variations were changes to the total depth of the monitor wells and the removal of double casings from each Floridan well. Overall, the as-built monitor well total depths and screen depths were deeper than proposed due to the varying depths of the confining unit which were identified during the monitor well pilot borings. The Department verbally approved the removal of the double casings in each well during a telephone conversation with Miguel A. Garcia. The installation of double casings to each well was deemed unnecessary due to the existence of a thick, low permeability, confining unit above the Floridan sediments.

Three (3) gas probes (GP-6 through GP-8) were installed along the east and northern perimeter of the landfill cells on March 31, 2005 and finished with 2'x2' concrete pads and steel aboveground protectors at various times until April 25, 2005. Gas probe GP-6 was installed to a total depth of 17 ft. below land surface (bls) with a 15 ft. screen; gas probe GP-7 was installed to a total depth of 9 ft. bls with a 7 ft. screen; and gas probe GP-8 was installed to a total depth of 5 ft. bls with a 3 ft. screen. Each gas probe

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TELEPHONE (407) 839-3955 • FAX (407) 839-3790 • www.consulthai.com

was installed to ensure the screen did not intersect the surficial water table and thus was installed to the base of Cell 16 (80 ft. NGVD). A diagram of the gas probe constructions is included as Figure 3.

The monitor well (and gas probe) installations were completed by Universal Engineering Sciences, Inc. (UES). The UES well completion reports are included in Attachment C.

We hope that we have provided the adequate information required for the submittal of the monitoring well completion reports for the subject site in Dade City, Florida. Please feel free to contact me if you require additional information or have any questions.

Very truly yours,

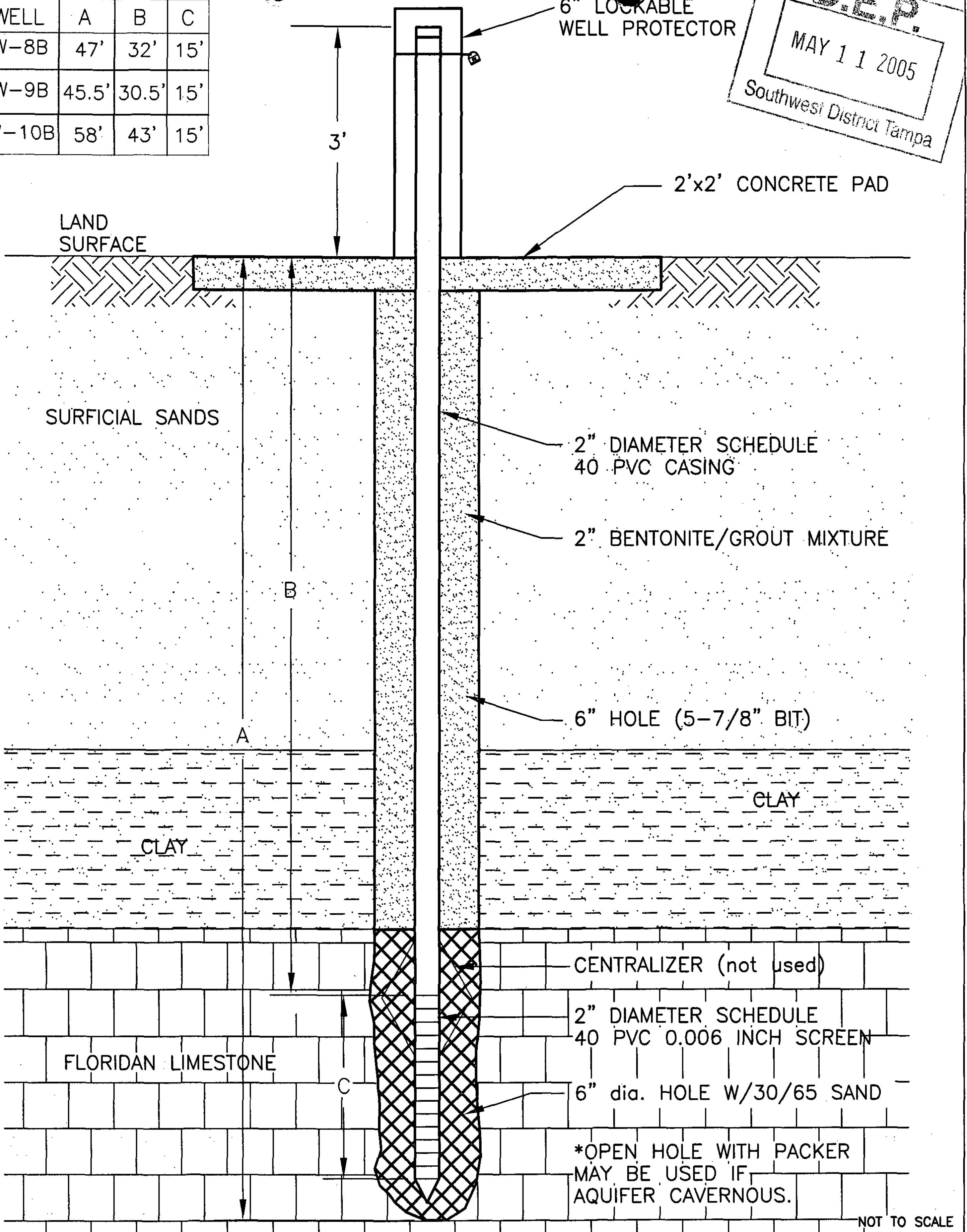
Tetra Tech HAI

Miguel A. Garcia, P.G.
Project Hydrogeologist

MAG/cr/99.0331.022/corresp/Morris.mag
cc: Dominic Iafrate, Angelo's Recycled Materials, Inc., Largo, FL
Jeff Rogers, Angelo's Aggregate Materials, Inc., Dade City, FL

FIGURES

WELL	A	B	C
MW-8B	47'	32'	15'
MW-9B	45.5'	30.5'	15'
MW-10B	58'	43'	15'



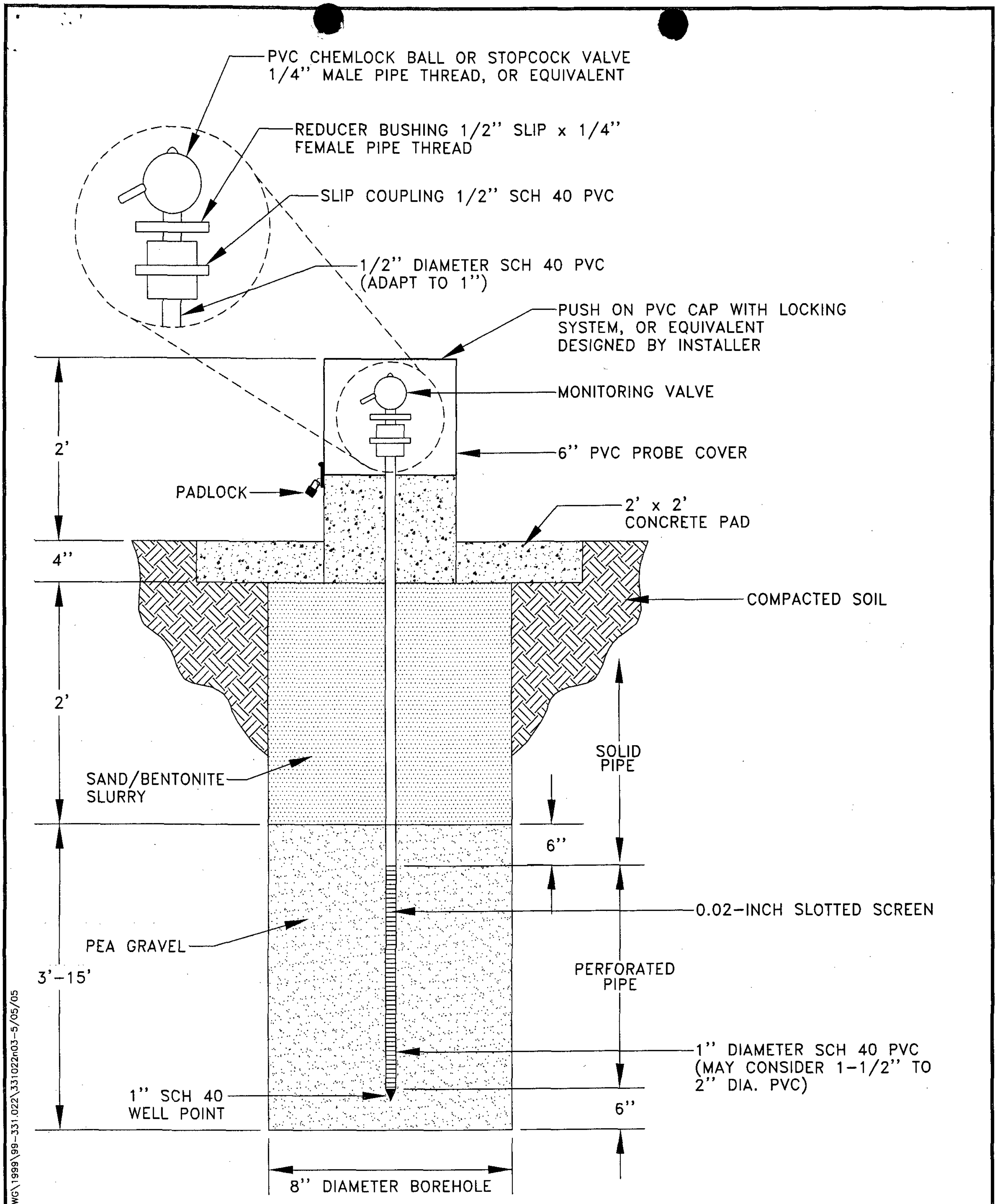
NOT TO SCALE

R:\CAD\DWG\1999\99-331.022\331022n02

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET – SUITE 1000 – ORLANDO, FL 32801
TELEPHONE (407) 839-3955 – FAX (407) 839-3790

AS-BUILT FLORIDAN MONITOR WELL DESIGN
ENTERPRISE RECYCLING
AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE
2



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HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
TELEPHONE (407) 839-3955 - FAX (407) 839-3790

GAS PROBE CONSTRUCTION DETAIL
ENTERPRISE DISPOSAL & RECYCLING FACILITY
DADE CITY, FLORIDA

FIGURE
3

ATTACHMENT A

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date ____
DEP Application No. ____
(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: 04-22-05

INSTALLATION NAME: Enterprise Recycling & Disposal Facility

DEP PERMIT NUMBER: 177982-001-SC, 177982-002-SO WACS NUMBER: 87895

WACS TESTSITE ID: 21323 WELL NAME: MW-8B

DESIGNATION: Background ____ Detection X Compliance ____

LATITUDE/LONGITUDE: 28° 19' 53.049"/82° 07' 51.094"

AQUIFER MONITORED: Floridan

INSTALLATION METHOD: Mud Rotary

INSTALLED BY: Universal Engineering Sciences

TOTAL DEPTH: 47.5 ft (bls) DEPTH OF SCREEN: 32 ft– 47 ft (bls)

SCREEN LENGTH: 15 ft SCREEN SLOT SIZE: 0.006 inches SCREEN TYPE: Trylok Sch 40 PVC

CASING DIAMETER: 2 inch CASING TYPE: Trylok Sch 40 PVC

LENGTH OF CASING: 32 ft FILTER PACK MATERIAL: 30/65 Standard Sand

TOP OF CASING ELEVATION (MSL): 101.55 ft

GROUND SURFACE ELEVATION (MSL): 99.03 ft

COMPLETION DATE: 04-05-05

DESCRIBE WELL DEVELOPMENT: A stainless steel submersible inline pump with clean polyethylene tubing was used at each well to develop for approximately one hour or until water was pumped clean.

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 30.38 ft

DATE AND TIME MEASURED: 04-29-05/1422

REMARKS: (soils information, stratigraphy, etc.) :

REPORT PREPARED BY: Miguel A. Garcia P.G., Hartman & Associates, Inc., 407-839-3955
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG. (bls)= Below Land Surface

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date ____
DEP Application No.____
(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: 04-22-05

INSTALLATION NAME: Enterprise Recycling & Disposal Facility

DEP PERMIT NUMBER: 177982-001-SC, 177982-002-SO WACS NUMBER: 87895

WACS TESTSITE ID: 21324 WELL NAME: MW-9B

DESIGNATION: Background ____ Detection X Compliance ____

LATITUDE/LONGITUDE: 28° 19' 48.076"/ 82° 07' 50.955"

AQUIFER MONITORED: Floridan

INSTALLATION METHOD: Mud Rotary

INSTALLED BY: Universal Engineering Sciences

TOTAL DEPTH: (bls) 45.5 ft DEPTH OF SCREEN: (bls) 30.5 ft – 45.5 ft

SCREEN LENGTH: 15 feet SCREEN SLOT SIZE: 0.006 inches SCREEN TYPE: Trylok Sch 40 PVC

CASING DIAMETER: 2 inch CASING TYPE: Trylok Sch 40 PVC

LENGTH OF CASING: 30.5 ft FILTER PACK MATERIAL: 30/65 Standard Sand

TOP OF CASING ELEVATION (MSL): 109.75 ft

GROUND SURFACE ELEVATION (MSL): 106.22 ft

COMPLETION DATE: 04-05-05

DESCRIBE WELL DEVELOPMENT: A stainless steel submersible inline pump with clean polyethylene tubing was used at each well to develop for approximately one hour or until water was pumped clean.

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 71.24 ft

DATE AND TIME MEASURED: 04-29-05/1422

REMARKS: (soils information, stratigraphy, etc.) :

REPORT PREPARED BY: Miguel A. Garcia, P.G., Hartman & Associates, Inc., 407-839-3955
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG. (bls)= Below Land Surface

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No.
(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: 04-22-05

INSTALLATION NAME: Enterprise Recycling & Disposal Facility

DEP PERMIT NUMBER: 177982-001-SC, 177982-002-SO WACS NUMBER: 87895

WACS TESTSITE ID: 21325 WELL NAME: MW-10B

DESIGNATION: Background Detection X Compliance

LATITUDE/LONGITUDE: 28° 19' 45.113"/ 82° 07' 52.563"

AQUIFER MONITORED: Floridan

INSTALLATION METHOD: Mud Rotary

INSTALLED BY: Universal Engineering Sciences, Inc.

TOTAL DEPTH: 58 ft
(bls)

DEPTH OF SCREEN: 43 ft – 58 ft
(bls)

SCREEN LENGTH: 15 feet SCREEN SLOT SIZE: 0.006 inches SCREEN TYPE: Trylok Sch 40 PVC

CASING DIAMETER: 2 inch CASING TYPE: Trylok Sch 40 PVC

LENGTH OF CASING: 43 ft FILTER PACK MATERIAL: 20/30 and 30/65 Standard Sand

TOP OF CASING ELEVATION (MSL): 110.00 ft

GROUND SURFACE ELEVATION (MSL): 107.36 ft

COMPLETION DATE: 04-04-05

DESCRIBE WELL DEVELOPMENT: A stainless steel submersible inline pump with clean polyethylene tubing was used at each well to develop for approximately one hour or until water was pumped clean.

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 71.25 ft

DATE AND TIME MEASURED: 04-29-05 / 1422

REMARKS: (soils information, stratigraphy, etc.) :

REPORT PREPARED BY: Miguel A. Garcia, P.G., Hartman & Associates, Inc., 407-839-3955
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MGARCIA

B-8B

1 of2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
5				2 2 3 4 1 1			SAND, TAN BROWN TO DARK BROWN, MED. TO FINE GRAIN, ~~[illegible]~~ WELL SORTED. 0-1' CLAYEY-SAND, TAN-ORANGE, + GRAY (MOTTLED) MED. TO SILT, FIRM, ~~1~~-2 CLAYEY-SAND, ORANGE-BROWN,		ORGANICS
10				2 4 2 3 6 5 9 10 7 12			MED TO SILT, FIRM, 2-4.5 SAND, TAN-BROWN, MED TO SILT, ~~[illegible]~~ POOR CONSOL, MOD. CLAY. 4.5-5.0 SANDY-CLAY, GRAY, FINE TO SILT, V. FIRM 5-8 CLAY, GRAY + ORANGE (MOTTLED). LS FRAGMENTS FROM		IRON-CEM. SS NODULES + ORGANICS 4.5-5 MOTTLED GRAY + ORANGE 6-8
15				12 15 11 16			8.5-9.5', V. HARD, ANGULAR 8-13.5 SILTY-CLAYEY-SAND, LIGHT GRAY + LIGHT ORANGE, (MOTTLED), V. FIRM. 13.5-18.5		MOD. AMT. OF ANGULAR. HARD + SOFT LS FRAG (GRAY) 13.5-
20				16 20 27 15			LS-MARL, + SILTY-CLAY, LIGHT TAN, MOD. POOR CONSOLIDATION, MOD. CLAY. 18.5-21		LARGE AMT. OF BROKEN + CRUMBLED LS FRAG. 18.5-
25				3 3 7 12			SILTY-CLAYEY-SAND, GRAY. BLACK + ORANGE (MOTTLED) FIRM, 21-24 CLAYEY-SAND, GRAY TO TAN		SMALL SOFT + HARD LS FRAGMENTS 23-25
30				3 3 5 8			ORANGE, SEMI FIRM TO V. FIRM, FINE TO SILT 24- CLAY, L. GRAY + ORANGE (MOTTLED), MINOR SAND V. FIRM, 28-		-

PROJECT

NUMBER: 97.0331.022

NAME: ENTERPRISE LF

CLIENT: ANGELOS

LOCATION: DADE CITY, FL

BORING

GR. ELEV.: ~98'

DIA-TYPE: 4",6" MR

DEPTH: 48

DATE STARTED: 3-30-05

DATE ENDED: 3-30-05

GROUNDWATER

DEPTH:

TIME:

DATE:

REMARKS:

DRILLING

RIG TYPE: CME 75

CREW: UES

SUPERVISOR: M. HARDY

PIEZ/WELL

CASING DIAM.: 2"

CASING TYPE: PVC

CASING DEPTH: 32'

SCREEN DEPTH: 32'-47'

SCREEN LENGTH: 15'

FILTER PACK: GRAVEL

RISER HEIGHT ALS:

T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MGARCIA

B-8B

2 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
35				10 5 2 2			LS, HARD, DENSE, FOSSILIFEROUS LS W/ CALC. CLAY, V. LIGHT TAN, 33-36		LOST CIRC. @ 31' BLS SOFTER DRILLING FROM 32.5'-33' ~8" REC. 33-35
40				23 15 8 12			WEATHERED LS, LS FRAGMENTS IN CALC. CLAY MATRIX, MOD. COHESION. 36-44.5		GOOD RECOVERY
45				11 10 26 25			SILTY-CLAYEY-SAND, FINE TO SILT, MOD. COHESION, MOD. WHITE CALC. CLAY W/ LS FRAG. 44.5-46.5		MANY LS (HARD) LENSES 33-
50							WEATHERED LS, (ASSUMED) 46.5-48. NO SAMPLE ATTEMPTED FROM 48-50, SPLIT SPOON NOT ADVANCING PAST 43.5' BLS, LOST CIRC. EOB @ 48'		SOFT DRILLING FROM 45-46.5 HARD LENSES FROM 46.5-48' BLS
55									
60									

PROJECT

NUMBER: 97.0331.022
NAME: ENTERPRISE LF
CLIENT: ANGELOS
LOCATION: DADE CITY, FL

BORING

GR. ELEV.: 98'
DIA–TYPE: 4" 6" MR
DEPTH: 48'
DATE STARTED: 3-30-05
DATE ENDED: 3-30-05

GROUNDWATER

DEPTH:
TIME:
DATE:
REMARKS:

DRILLING

RIG TYPE: CME 75
CREW: UES
SUPERVISOR: M. HARDY

PIEZ/WELL

CASING DIAM.: 2"
CASING TYPE: PVC
CASING DEPTH: 32'
SCREEN DEPTH: 32'-47'
SCREEN LENGTH: 15'
FILTER PACK: GRAVEL
RISER HEIGHT ALS:
T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MGARCIA

B-9B

1 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
5				[illegible]			CLAY - FILL SANDY-CLAY, TAN, ORANGE, GRAY, (MOTTLED) MOD. TO MINOR SAND, V. FIRM. 2-5		
10				WH [illegible]			CLAY, GRAY, ORANGE-TAN & DK. ORANGE, (MOTTLED) MINOR SAND, V. FIRM. 5-8.5 CLAYEY-SAND, LT. GRAY, TAN-ORANGE, DK. ORANGE (MOTTLED). V. FIRM., MOD. SAND. 8.5-23		
15				6 8 8 12					
20				5 5 8 10					GRAY TO BLACK MOTTLING 18-20
25				8 8 7 12			CLAYEY-SAND, LT. TAN TO LT. GRAY-BROWN, MOD. SAND, FINE, MOD. CLAY. FIRM TO V. FIRM 23-28.0		
30				2 2 4 10			SILTY-CLAY, LT. ORANGE, LT. GRAY-GREEN (MOTTLED), V. FIRM TO FIRM. 28-28.5		LOST CIRC. @ 28.5'

PROJECT

NUMBER: 97.0331.022

NAME: ENTERPRISE LF

CLIENT: ANGELOS

LOCATION: DADE CITY, FL

BORING

GR. ELEV.: ~105.5

DIA-TYPE: 4 5/8", 6"-MR

DEPTH: 45'

DATE STARTED: 4-4-95

DATE ENDED:

GROUNDWATER

DEPTH:

TIME:

DATE:

REMARKS:

DRILLING

RIG TYPE: CME 75

CREW: VES

SUPERVISOR: M. Harvey

PIEZ/WELL

CASING DIAM.: 2"

CASING TYPE: PVC

CASING DEPTH: 0-32 ~~[illegible]~~'

SCREEN DEPTH: 32-47'

SCREEN LENGTH: 15'

FILTER PACK: 30/65 SND

RISER HEIGHT ALS: ~3'

T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MGARCIA

B-9B

2 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
35				50=5.5"			WEATHERED LS, WHITE, CRUMBLY LS HARD TO CALC. CLAY + SAND, SOFT TO SEMI FIRM. 28.5 - 31.5 WEATHERED LS + HARD DENSE LS LENSES, WHITE. 31.5 - 45		HARD DENSE LS LENSES ~3-4 APART FROM 31.5'
40				15 3 19 31					
45				23 40 43 32					LT. GRAY, 43-45.
50									
55									
60									

PROJECT

NUMBER: 97.0331.022
NAME: ENTERPRISE LF
CLIENT: ANGELOS
LOCATION: DADE CITY, FL

BORING

GR. ELEV.: 105.5'
DIA-TYPE: 4 7/8", 6"-MR
DEPTH: 45'
DATE STARTED: 4-4-95
DATE ENDED: 4-4-95

GROUNDWATER

DEPTH:
TIME:
DATE:
REMARKS:

DRILLING

RIG TYPE: CME 75
CREW: UES
SUPERVISOR: M. HARDY

PIEZ/WELL

CASING DIAM.: 2"
CASING TYPE: PVC
CASING DEPTH: 0-32'
SCREEN DEPTH: 32'-47'
SCREEN LENGTH: 15'
FILTER PACK: 30/65 SAND
RISER HEIGHT ALS: ~3'
T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MGARCIA

B-10B 1 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
0–5				3 2 2 2 2 2 2 4			SAND, DK. BROWN TO RED-BROWN, MED. TO FINE GRAIN, WELL SORT. 0-4 SAND, ORANGE-BROWN, COARSE TO V. FINE GRAIN, MOD. WELL SORT. 4-6		ORGANICS BROWN-RUST SAND 2-4 INT.-CLAY 4-
5–10				4 6 6 7 10 8 8 10			SAND, MED TO SILT, ORANGE-TAN, MOD. WELL SORT., MINOR CLAY STAINING. 6-8.5 SILTY-CLAYEY-SAND, MED. TO SILT, ORANGE TAN, MOD. WELL-SORT, MOD. CLAY. 8.5-13		IRON-CEM. SS NODULES 4-8
10–15				3 3 3 4			CLAYEY-SILTY-SAND, FINE TO SILT, TAN-ORANGE, MOD. CLAY, FIRM. 13-19		
15–20				4 5 5 7			SILTY-SANDY CLAY, LIGHT ORANGE-TAN, V. FIRM, 19-25		?
20–25				6 6 6 6			SANDY-CLAY, LT. GRAY + DK. ORANGE (MOTTLED) + MINOR TO MOD. SAND., V. FIRM. 25-28		SMALL WEATH LS FRAG. @ 24'
25–30				6 6 10 12			CLAYEY-SAND, LIGHT ORANGE TO LIGHT GRAY, FINE TO SILT, V. FIRM. 28-34		LOST CIRC. @ 26.5' SMALL WEATH LS FRAG FROM 28.5-

PROJECT

NUMBER: 97.0331.022

NAME: ENTERPRISE LF

CLIENT: ANGELOS

LOCATION: DADE CITY, FL

BORING

GR. ELEV.: ~107' NGVD

DIA-TYPE: 4",6" MR

DEPTH: 60'

DATE STARTED: 4-1-05

DATE ENDED: 4-4-05

GROUNDWATER

DEPTH:

TIME:

DATE:

REMARKS:

DRILLING

RIG TYPE: CME 75

CREW: UES

SUPERVISOR: M. HARDY

PIEZ/WELL

CASING DIAM.: 2"

CASING TYPE: PVC

CASING DEPTH: 0'-43'

SCREEN DEPTH: 43'-58'

SCREEN LENGTH: 15'

FILTER PACK: 30/65, 20/30

RISER HEIGHT ALS: ~3'

T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MGARCIA

B-10B | 2 of 2

DEPTH (FT)	SAMPLE			BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
	NO/TYPE	SYMBOL	% REC.						
35				5 2 3 3			SILTY-CLAYEY-SAND, LIGHT GRAY + DARK ORANGE (MOTTLED) SEMI-FIRM TO V. FIRM FROM 34-35. 34-38		SOFT WEATH. LS FRAG. 38-43
40				4 6 6 9			SANDY-CLAY, LIGHT TAN, ORANGE, GRAY + BLACK (MOTTLED), V. FIRM TO FIRM. 38-42'		
45				WH=18" 1			SILTY-CLAYEY-SAND, ORANGE-TAN, WHITE, GRAY, (MOTTLED). MOD. ~~[illegible]~~ SOFT TO FIRM. 42-48		SOFT, EASY DRILLING, FROM 42'-43'
50				1=12 2 3			SILTY-CLAY. TAN-ORANGE TO WHITE, FIRM TO SOFT, 48-54		LOST CIRC. @ 46.5' TALC APPEARANCE FROM 49-50
55				4 2 1 1			WEATHERED LS FRAG. + SILTY-CLAY (WHITE, 54-		SOFT + VH LS FRAG. MINOR CLAY FROM 54-54.5'
60				5 5 8 8			WEATHERED LS FRAG. IN MATRIX OF SILTY-CLAY		

EOB @ 60'

PROJECT

NUMBER: 97.0331.022
NAME: ENTERPRISE LF
CLIENT: ANGELOS
LOCATION: DADE CITY, FL

BORING

GR. ELEV.: ~107'
DIA-TYPE: 4 1/6" MR
DEPTH: 60'
DATE STARTED: 4-1-05
DATE ENDED: 4-4-05

GROUNDWATER

DEPTH:
TIME:
DATE:
REMARKS:

DRILLING

RIG TYPE: CME 75
CREW: UES
SUPERVISOR: M. HARDY

PIEZ/WELL

CASING DIAM.: 2"
CASING TYPE: PVC
CASING DEPTH: 0-43'
SCREEN DEPTH: 43'-58'
SCREEN LENGTH: 15'
FILTER PACK: 30/65, 20/30
RISER HEIGHT ALS: ~3'
T.O.C. ELEV.:

REMARKS

ATTACHMENT B

ATTACHMENT C

WELL COMPLETION REPORT

(Please complete in black ink or type.)

PERMIT # 717889.06 CUP/WUP # 000000.000 DID # 0000

If permit is for multiple wells, indicate the number of wells drilled 1

Indicate remaining wells to be cancelled 0

WATER WELL CONTRACTOR'S

SIGNATURE Digitally Signed Llicense # 9176

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (Ft.)	To (Ft.)
Neat Cement:	1	0	#2
Bentonite:			

WELL LOCATION: County Pasco

3 1/4 of 3 1/4 of Section 5 Twp: 25 Rge: 22

Latitude ____ Longitude ____

DATE STAMP

Official Use Only

Sketch of well location on property N

Give distances from septic tank and house or other reference points

CHEMICAL ANALYSIS WHEN REQUIRED

Iron:____ ppm Sulfate:____ ppm

Chlorides:____ ppm

[ ] Lab Test [ ] Field Test Kit

Pump Type

[ ] Centrifugal [ ] Jet [ ] Submersible [ ] Turbine

Horsepower ____ Capacity ____ G.P.M. ____

Pump Depth ____ Ft. Intake Depth ____ Ft

Form 41.10-410(2) Rev. 8/96

OWNER'S NAME Angelos Aggregate Materials

COMPLETION DATE 04/25/2005 Florida Unique I.D. GP-6

WELL USE: DEP/Public ____ Irrigation ____ Domestic ____

Monitor ✓ HRS Limited ____ 62-524 ____ Other ____

DRILL METHOD [ ] Rotary [ ] Cable Tool [ ] Combination [ ] Jet [✓] Auger Other____

Measured Static Water Level 0 Measured Pumping Water Level ____

After____ Hours at ____ G.P.M. Measuring Pt. (Describe): ____

Which is ____ Ft. [ ] Above [ ] Below Land Surface

Casing: [ ] Black Steel [ ] Galv. [✓] PVC Other ____

[ ] Open Hole [✓] Screen	Depth (Ft.)		DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones.		
Casing Diameter & Depth (Ft.)	From	To	Color	Grain Size	Type of Material
Diameter 1	0	10	tan-orange	sand	
From 0	10	17	orange-tan	clayey sand	
To 17					
Diameter ____					
From ____					
To ____					
Liner [ ] or					
Casing [ ]					
Diameter ____					
From ____					
To ____					

Driller's Name: (print or type)____

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT # 717889.06 CUP/WUP # 000000.000 DID # 0000

If permit is for multiple wells, indicate the number of wells drilled 1

Indicate remaining wells to be cancelled 0

WATER WELL CONTRACTOR'S

SIGNATURE Digitally Signed Llicense # 9176

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (Ft.)	To (Ft.)
Neat Cement:	1	0	1
Bentonite:			

WELL LOCATION: County Pasco

3 1/4 of 3 1/4 of Section 5 Twp: 25 Rge: 22

Latitude ____ Longitude ____

DATE STAMP

Official Use Only

Sketch of well location on property N

Give distances from septic tank and house or other reference points

CHEMICAL ANALYSIS WHEN REQUIRED

Iron: ____ ppm Sulfate: ____ ppm

Chlorides: ____ ppm

[ ] Lab Test [ ] Field Test Kit

Pump Type

[ ] Centrifugal [ ] Jet [ ] Submersible [ ] Turbine

Horsepower ____ Capacity ____ G.P.M. ____

Pump Depth ____ Ft Intake Depth ____ Ft

Form 41.10-410(2) Rev. 8/96

OWNER'S NAME Angelos Aggregate Materials

COMPLETION DATE 04/25/2005 Florida Unique I.D. GP-8

WELL USE: DEP/Public ____ Irrigation ____ Domestic ____

Monitor ✓ HRS Limited ____ 62-524 ____ Other ____

DRILL METHOD [ ] Rotary [ ] Cable Tool [ ] Combination

[ ] Jet [✓] Auger Other ____

Measured Static Water Level 0 Measured Pumping Water Level ____

After ____ Hours at ____ G.P.M. Measuring Pt. (Describe): ____

Which is ____ Ft. [ ] Above [ ] Below Land Surface

Casing: [ ] Black Steel [ ] Galv. [✓] PVC Other ____

[ ] Open Hole [✓] Screen	Depth (Ft.)		DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones.
Casing Diameter & Depth (Ft.)	From	To	*Color* | *Grain Size* | *Type of Material*
Diameter 1 From 0 To 5	0	5	tan sand
Diameter ____ From ____ To ____			
Liner [ ] *or* Casing [ ] Diameter ____ From ____ To ____			

Driller's Name:
(print or type) ____

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT # 717889.06 CUP/WUP# 000000.000 DID # 0000

If permit is for multiple wells, indicate the number of wells drilled 1

Indicate remaining wells to be cancelled 0

WATER WELL CONTRACTOR'S

SIGNATURE Digitally Signed Llicense # 9176

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (Ft.)	To (Ft.)
Neat Cement:	4	0	30
Bentonite:			

WELL LOCATION: County Pasco

3 1/4 of 3 1/4 of Section 5 Twp: 25 Rge: 22

Latitude ____ Longitude ____

DATE STAMP

Official Use Only

Sketch of well location on property N

Give distances from septic tank and house or other reference points

CHEMICAL ANALYSIS WHEN REQUIRED

Iron:___ ppm Sulfate:___ ppm

Chlorides:___ ppm

☐ Lab Test ☐ Field Test Kit

Pump Type

☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine

Horsepower ____ Capacity ____ G.P.M. ____

Pump Depth ____ Ft Intake Depth ____ Ft

Form 41.10-410(2) Rev. 8/96

OWNER'S NAME Angelos Aggregate Materials

COMPLETION DATE 04/27/2005 Florida Unique I.D. MW-9B

WELL USE: DEP/Public ____ Irrigation ____ Domestic ____

Monitor ✓ HRS Limited ____ 62-524 ____ Other ____

DRILL METHOD ☑ Rotary ☐ Cable Tool ☐ Combination

☐ Jet ☐ Auger Other____

Measured Static Water Level 38.09 Measured Pumping Water Level ____

After___ Hours at ___ G.P.M. Measuring Pt. (Describe): ____

Which is ___ Ft. ☐ Above ☐ Below Land Surface

Casing: ☐ Black Steel ☐ Galv. ☑ PVC Other ____

☐ Open Hole ☑ Screen	Depth (Ft.)		DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones.
Casing Diameter & Depth (Ft.)	From	To	Color | Grain Size | Type of Material
Diameter 2 From 0 To 47	0	10	tan-orange sand
	10	25	orange-tan clayey sand
	25	32	grey-orange clay
	32	47	lt tan weather limestone
Diameter ___ From ___ To ___			
Liner ☐ *or* Casing ☐ Diameter ___ From ___ To ___			

Driller's Name:
*(print or type)*____

WELL COMPLETION REPORT

(Please complete in black ink or type.)

PERMIT # 717889.06 CUP/WUP # 000000.000 DID # 0000

If permit is for multiple wells, indicate the number of wells drilled 1

Indicate remaining wells to be cancelled 0

WATER WELL CONTRACTOR'S

SIGNATURE Digitally Signed Llicense # 9176

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (Ft.)	To (Ft.)
Neat Cement:	1	0	2
Bentonite:			

WELL LOCATION: County Pasco

3 1/4 of 3 1/4 of Section 5 Twp: 25 Rge: 22

Latitude ______ Longitude ______

DATE STAMP

Official Use Only

Sketch of well location on property N

Give distances from septic tank and house or other reference points

CHEMICAL ANALYSIS WHEN REQUIRED

Iron: ____ ppm Sulfate: ____ ppm

Chlorides: ____ ppm

[ ] Lab Test [ ] Field Test Kit

Pump Type

[ ] Centrifugal [ ] Jet [ ] Submersible [ ] Turbine

Horsepower ______ Capacity ______ G.P.M. ______

Pump Depth ______ Ft. Intake Depth ______ Ft.

Form 41.10-410(2) Rev. 8/96

OWNER'S NAME Angelos Aggregate Materials

COMPLETION DATE 04/25/2005 Florida Unique I.D. GP-7

WELL USE: DEP/Public ____ Irrigation ____ Domestic ____

Monitor ✓ HRS Limited ____ 62-524 ____ Other ____

DRILL METHOD [✓] Rotary [ ] Cable Tool [ ] Combination

[ ] Jet [ ] Auger Other ______

Measured Static Water Level 0 Measured Pumping Water Level 0

After ____ Hours at ____ G.P.M. Measuring Pt. (Describe): ______

Which is ____ Ft. [ ] Above [ ] Below Land Surface

Casing: [ ] Black Steel [ ] Galv. [✓] PVC Other ______

[ ] Open Hole [✓] Screen	Depth (Ft.)		DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones.
Casing Diameter & Depth (Ft.)	From	To	*Color* | *Grain Size* | *Type of Material*
Diameter 1 From 0 To 9	0	9	tan-orange
Diameter ____ From ____ To ____			
Liner [ ] *or* Casing [ ] Diameter ____ From ____ To ____			

Driller's Name:
(print or type) ______

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT # 717889.06 CUP/WUP# 000000.000 DID # 0000

If permit is for multiple wells, indicate the number of wells drilled 1

Indicate remaining wells to be cancelled 0

WATER WELL CONTRACTOR'S

SIGNATURE Digitally Signed Llicense # 9176

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (Ft.)	To (Ft.)
Neat Cement:	4	0	41
Bentonite:			

WELL LOCATION: County Pasco

3 1/4 of 3 1/4 of Section 5 Twp: 25 Rge: 22

Latitude ______ Longitude ______

DATE STAMP

Official Use Only

Sketch of well location on property N

Give distances from septic tank and house or other reference points

CHEMICAL ANALYSIS WHEN REQUIRED

Iron:____ ppm Sulfate:____ ppm

Chlorides:____ ppm

☐ Lab Test ☐ Field Test Kit

Pump Type

☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine

Horsepower ______ Capacity ______ G.P.M. ______

Pump Depth ______ Ft. Intake Depth ______ Ft.

Form 41.10-410(2) Rev. 8/96

OWNER'S NAME Angelos Aggregate Materials

COMPLETION DATE 04/27/2005 Florida Unique I.D. MW-10B

WELL USE: DEP/Public ____ Irrigation ____ Domestic ____

Monitor ✓ HRS Limited ____ 62-524 ____ Other ____

DRILL METHOD ☑ Rotary ☐ Cable Tool ☐ Combination

☐ Jet ☐ Auger Other______

Measured Static Water Level 38.35 Measured Pumping Water Level ____

After____ Hours at ____ G.P.M. Measuring Pt. (Describe): ______

Which is ____ Ft. ☐ Above ☐ Below Land Surface

Casing: ☐ Black Steel ☐ Galv. ☑ PVC Other ______

☐ Open Hole ☑ Screen	Depth (Ft.)		DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones.		
Casing Diameter & Depth (Ft.)	From	To	*Color*	*Grain Size*	*Type of Material*
Diameter 2 From 0 To 58	0	10	tan-orange		sand
	10	45	orange-tan		clayey-sand
	45	58	lt tan		weathered limestone
Diameter ____ From ____ To ____					
Liner ☐ or Casing ☐ Diameter ____ From ____ To ____					

Driller's Name:
(print or type)______

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT # 717889.06 CUP/WUP# 000000.000 DID # 0000

If permit is for multiple wells, indicate the number of wells drilled 1

Indicate remaining wells to be cancelled 0

WATER WELL CONTRACTOR'S

SIGNATURE Digitally Signed Llicense # 9176

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (Ft.)	To (Ft.)
Neat Cement:	4	0	30
Bentonite:			

WELL LOCATION: County Pasco

3 1/4 of 3 1/4 of Section 5 Twp: 25 Rge: 22

Latitude ____ Longitude ____

DATE STAMP

Official Use Only

Sketch of well location on property N

Give distances from septic tank and house or other reference points

CHEMICAL ANALYSIS WHEN REQUIRED

Iron: ____ ppm Sulfate: ____ ppm

Chlorides: ____ ppm

☐ Lab Test ☐ Field Test Kit

Pump Type

☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine

Horsepower ____ Capacity ____ G.P.M. ____

Pump Depth ____ Ft Intake Depth ____ Ft

Form 41.10-410(2) Rev. 8/96

OWNER'S NAME Angelos Aggregate Materials

COMPLETION DATE 04/28/2005 Florida Unique I.D. MW-8B

WELL USE: DEP/Public ____ Irrigation ____ Domestic ____

Monitor ✓ HRS Limited ____ 62-524 ____ Other ____

DRILL METHOD ☑ Rotary ☐ Cable Tool ☐ Combination

☐ Jet ☐ Auger Other ____

Measured Static Water Level 29.9 Measured Pumping Water Level ____

After ____ Hours at ____ G.P.M. Measuring Pt. (Describe): ____

Which is ____ Ft. ☐ Above ☐ Below Land Surface

Casing: ☐ Black Steel ☐ Galv. ☑ PVC Other ____

☐ Open Hole ☑ Screen	Depth (Ft.)		DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones.
Casing Diameter & Depth (Ft.)	From	To	Color | Grain Size | Type of Material
Diameter 2 From 0 To 47	0	10	tan-brown sand
	10	25	tan-orange clayey sand
	25	32	grey- orange clay
	32	48	lt tan weathered limestone
Diameter ____ From ____ To ____			
Liner ☐ or Casing ☐ Diameter ____ From ____ To ____			

Driller's Name:
(print or type) ____

252513

JRM
2/18/04

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants
A Tetra Tech Company

OFFICERS:

Gerald C. Hartman, P.E., DEE
Harold E. Schmidt, Jr., P.E., DEE
James E. Christopher, P.E.
Charles W. Drake, P.G.
Mark A. Rynning, P.E., M.B.A.
William D. Musser, P.E., P.H.
Michael B. Bomar, P.E.
Lawrence E. Jenkins, P.S.M.

SENIOR ASSOCIATES:

Marco H. Rocca, C.M.C.
Roderick K. Cashe, P.E.
Douglas P. Dufresne, P.G.
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Troy E. Layton, P.E., DEE

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Jennifer L. Woodall, P.E.
L. Todd Shaw, P.E.
Rafael A. Terrero, P.E., DEE
Jill M. Hudkins, P.E.
Daniel M. Nelson, P.E.
Valerie C. Davis, P.G.
Charles M. Shultz, P.E.
Sean M. Parks, AICP, QEP
C. Michelle Gaylord
Tara L. Hollis, C.P.A., M.B.A.
W. Bruce Lafrenz, P.G.
Alexis K. Stewart, P.E.
Ada R. Terrero

October 16, 2003

HAI #99.0331.007
Task 3
File 14.4

CONSTRUCTION DETAILS / SURVEY
FILED SEPARATELY

RECEIVED
OCT 17 2003
Department of Environmental Protection
SOUTHWEST DISTRICT
BY

Via UPS Overnight

Ms. Susan J. Pelz, P.E.
Solid Waste Program Manager
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

Subject: **Background Groundwater Monitoring Report**
Angelo's Aggregate Materials, Ltd.
Enterprise Recycling and Disposal Facility
Dade City, Florida
FDEP Permit Nos. 117982-001-SC, 177982-002-SO
Pasco County Permit No. CU00-32

Dear Ms. Pelz:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), Hartman & Associates, Inc. (HAI) is providing for your review the Background Groundwater Monitoring Report for the Enterprise Recycling and Disposal Facility in accordance with the requirements of the above Department permits.

1.0 Water Quality Report Purpose

The purpose of this report is to present the results of the July 2003 background water quality testing performed at the site in accordance with the requirements set forth in the approved Groundwater Monitoring Plan. Angelo's has not yet opened the facility to receive waste.

This report is intended only to present to the Florida Department of Environmental Protection (FDEP) and Pasco County the background groundwater quality and to set a baseline for future

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testing. It is also to be used to determine whether the monitoring network is functioning as designed. Future updates of this report will be used to detect any potential water quality problems that may be seen from increasing concentrations.

2.0 Site Location and Description

The site is located at the northwest corner of the intersection of Enterprise Road and Auton Road, Dade City, Pasco County, Florida. Surface elevations vary from approximately +170 feet National Geodetic Vertical Datum of 1929 (NGVD) along part of the west boundary, to +75 feet NGVD in the northeastern corner.

The site is relatively square in shape and consists of approximately 160 acres. The Class III landfill will account for approximately 105 acres of the site. Access will be off of Enterprise Road near the southwestern portion of the property.

3.0 Monitor Well Installations

There are 10 monitor wells that are used for groundwater quality testing at this time (MW-1, MW-1B, MW-5A, MW-5B, MW-6, MW-7A, MW-7B, MW-8, MW-9, and MW-10). Eight of the wells are downgradient/compliance wells and two are upgradient/background wells. Seven of the monitor wells are screened in the surficial aquifer, and three are screened in the Floridan Aquifer. In addition to the monitor wells, there are six remaining piezometers (P-2, P-4, P-6, P-8, P-10, P-11) within the property that are used to measure water levels across the site. An additional monitor well has been installed (MW-11) to replace P-7, and will be used as a piezometer until it is to be phased into the monitoring plan in accordance with the approved Groundwater Monitoring Plan.

Figure 1 shows the locations of the monitor wells and piezometers. Figures 2 and 3, the as-built monitor well diagrams, include a summary of the construction details of the wells. Monitor well completion reports, along with the field boring logs, were submitted to the Department on September 29, 2003.

3.1 Well Developments

Once constructed, monitor wells MW-5A, MW-8, and MW-10 required additional development time due to suspected perched groundwater. Each well was developed by placing a stainless steel (S.S.) submersible pump in the well, and swabbing (moving the pump up and down near the bottom of the well) the monitor well at high (~9.5 gpm) and low (~2 gmp) pump rates until the turbidity decreased. Each well was developed in this manner until the water color changed from brown to light brown or until the color stabilized. Each monitor well was developed for about 2 hours and purged a total of at least 840 gallons of water using a S.S. submersible pump.

3.2 Monitor Well Survey

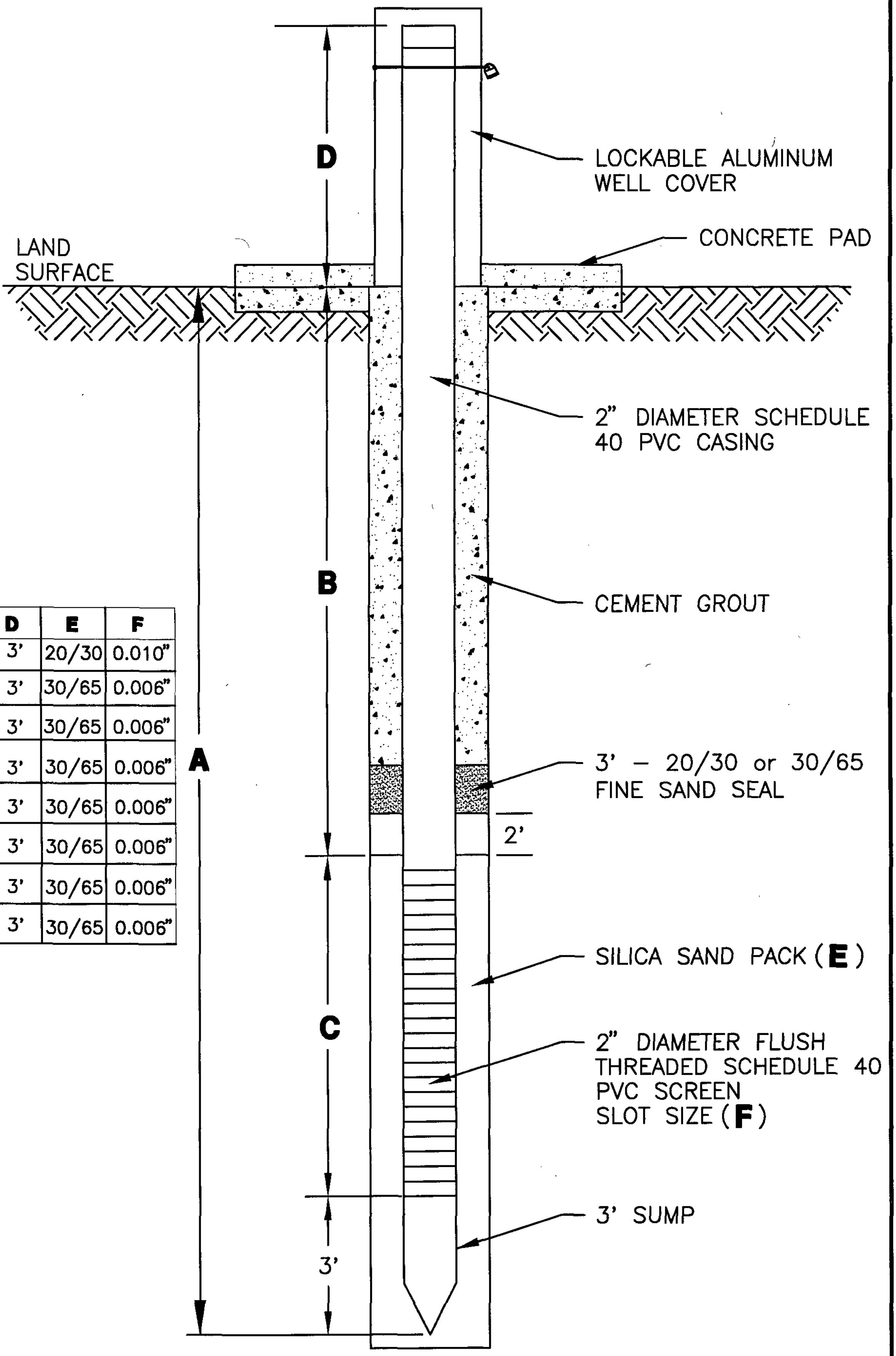
Foresight Surveyors, Inc. conducted a horizontal and vertical elevation survey of all monitor wells and piezometers referenced to ft. NGVD on August 8, 2003. This survey information is provided in Appendix A. This survey was certified by a Florida Registered Surveyor, and completed to a vertical accuracy of 0.01 feet, and a horizontal accuracy of one-foot, in coordinates of latitude and longitude, in degrees, minutes and seconds. Each well has been permanently labeled with a metal tag on the concrete pad of each well.

4.0 Groundwater Levels

Water levels in the monitor wells and piezometers were measured to the nearest 0.01-foot during this sampling event. A complete round of water level measurements was taken on July 17, 2003. Additionally, water levels have been submitted to the Department approximately weekly during the certification process for Cell 1, as requested.

Table 1 lists the monitor wells and piezometers, the aquifer monitored, and the water levels encountered. The water level elevations are presented as potentiometric maps for each of the monitored zones. Figure 4 shows the surficial aquifer potentiometric surface during the sampling event. Figure 5 shows the Floridan aquifer potentiometric surface during the event.

The upper surficial aquifer has an eastern flow direction from the central area of the site towards the eastern boundary. The Floridan aquifer has a flow direction from the southwest towards the northeast. This is consistent with past flow directions.



WELL	A	B	C	D	E	F
MW-1	53'	30'	20'	3'	20/30	0.010"
MW-5A	27.5'	4.5'	20'	3'	30/65	0.006"
MW-6	27.5'	4.5'	20'	3'	30/65	0.006"
MW-7A	34.5'	11.5'	20'	3'	30/65	0.006"
MW-8	24.5'	4.5'	20'	3'	30/65	0.006"
MW-9	32'	17'	15'	3'	30/65	0.006"
MW-10	34.5'	19.5'	15'	3'	30/65	0.006"
MW-11	39.5'	16.5'	20'	3'	30/65	0.006"

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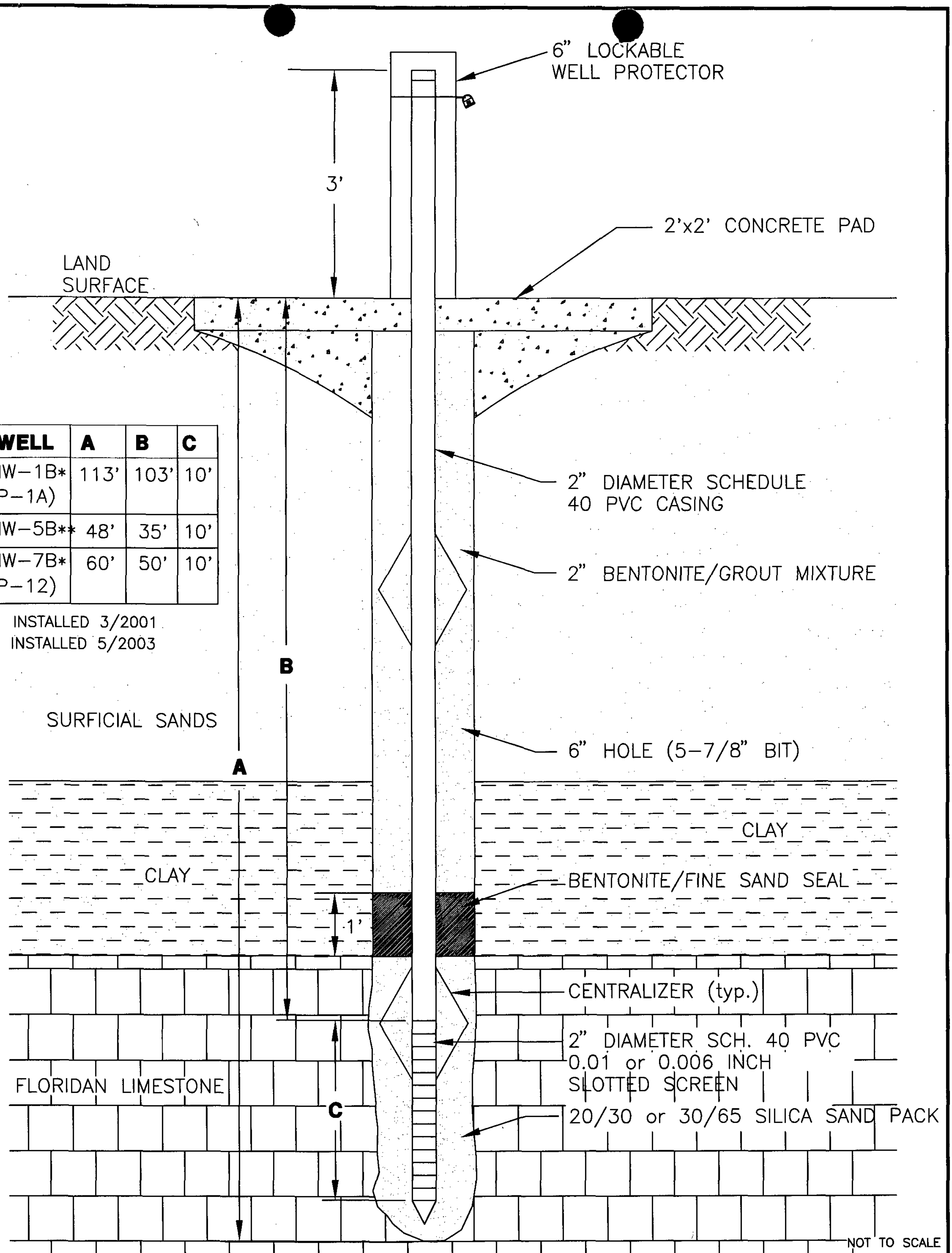
NOT TO SCALE

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET – SUITE 1000 – ORLANDO, FL 32801
TELEPHONE (407) 839-3955 – FAX (407) 839-3790

AS-BUILT SURFICIAL AQUIFER MONITOR WELL DETAILS - ENTERPRISE RECYCLING & DISPOSAL FACILITY DADE CITY, FLORIDA

FIGURE 2



WELL	A	B	C
MW-1B* (P-1A)	113'	103'	10'
MW-5B**	48'	35'	10'
MW-7B* (P-12)	60'	50'	10'

* INSTALLED 3/2001
** INSTALLED 5/2003

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HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
TELEPHONE (407) 839-3955 - FAX (407) 839-3790

AS-BUILT FLORIDAN MONITOR WELL DESIGN
ENTERPRISE RECYCLING
AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE
3

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
A Tetra Tech Company

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W. Bruce Lafrenz, P.G.
Alexis K. Stewart, P.E.
Ada R. Terrero

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OCT 02 2003
Department of Environmental Protection
BY SOUTHWEST DISTRICT

September 29, 2003

HAI #99.[illegible].007
File 13.2

Via UPS Ground

Mr. John Morris, P.G.
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Subject: **Monitoring Well Completion and Abandonment Reports**
Enterprise Recycling & Disposal Facility
Angelo's Aggregate Materials, Ltd.
FDEP Permit Nos. 177982-001-SC, 177982-002-SO
Pasco County, Florida

Dear Mr. Morris:

On behalf of Angelo's Aggregate Materials, Inc., Hartman & Associates, Inc. (HAI) is submitting for your review the monitoring well completion reports for the one (1) background-monitoring well (MW-1), and the eight (8) detection monitoring wells (MW-5A, MW-5B, MW-6, and MW-7A, MW-8, MW-9, MW-10, and MW-11), at the subject site in Dade City, Florida, see Figure 1. HAI personnel were at the subject site at various times from April 3 – July 14, 2003 during the monitoring well installations. Upon completion of all the monitor wells, each well was completed with a 2'x2' concrete pad and a 4"x4" aluminum aboveground protector. Each monitor well was also developed with a 12 V plastic submersible pump with clean polyethylene tubing for 1 hour or until the water was pumped clean.

A monitoring well completion report and an HAI boring log has been included for each well, included in Attachment A. As-built monitoring well construction diagrams summarizing each well, are included as Figures 2 and 3. A horizontal and vertical survey of the wells is also enclosed, in Attachment B.

After the completion of the monitor well pilot holes, several variations were made to the monitor well designs proposed in the Groundwater Monitoring Plan (GMP). The majority of these variations were changes to the total depth and screen lengths of the monitor wells. Overall, the as-built monitor well total depths and screen depths were shallower than proposed, due to the varying depths of the confining unit which were identified during the monitor well pilot borings. The Surficial monitor well designs conformed to the FDEP permit by not breaching the confining unit during installation. Figures 4 and 5 show the proposed monitor well designs. MW-10a was originally located in Pond 1 and was abandoned and replaced by MW-10, which is now northwest of MW-10a and currently at the top slope of Pond 1. The only other variation to the GMP was the early installation of MW-11 in the southern portion of the site. This monitor well was installed to replace piezometer P-7, which was abandoned due to the

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ORLANDO FORT MYERS FT. LAUDERDALE JACKSONVILLE DESTIN ATLANTA

westward expansion of Pond 1. MW-11 is currently being monitored for groundwater elevations only and not for groundwater quality. The Department had previously verbally approved the GMP revisions.

Also included is the piezometer abandonment documentation, provided by Universal Engineering Sciences, Inc. (UES). A total of seven (7) piezometers (P-3, P-3A, P-3B, P-5, P-7, P-9, and P-13) were properly abandoned by UES on July 15, 17, and 30, 2003. Each piezometer was filled from bottom to top with neat cement grout. The piezometer abandonment details are summarized in Table 1. The UES Monitor Well Installation and Abandonment Report contains all the SWFWMD permits, boring logs, and monitor well and gas probe designs, and is included in Attachment C. Please note, only HAI boring logs were used during design of monitor wells and gas probes.

Six (6) gas probes (GP-9 through GP-14) were installed along the east and southern perimeter of the landfill cells on June 17, 2003 and finished with 2'x2' concrete pads and 6"x6" aluminum aboveground protectors at various times until July 14, 2003. Except for GP-9, which was installed to a total depth of 15 ft. below land surface (bls) with a 13 ft. screen, each gas probe was installed to a total depth of 20 ft. bls, with an 18 ft. screen . GP-9 was constructed to a shallower depth to ensure the screen does not intersect the surficial water table. Included, as Figure 6 is a diagram of the gas probe as-builts (except for GP-9).

We hope that we have provided the adequate information required for the submittal of the monitoring well completion and piezometer abandonment reports for the subject site in Dade City, Florida. Please feel free to contact us if you require additional information or have any questions.

Very truly yours,

Hartman & Associates, Inc.

9/29/03

Miguel A. Garcia
Project Hydrogeologist

James E. Golden, P.G.
Senior Hydrogeologist/Associate

JEG/MAG/cr/99.0331.007/corresp/Morris.jeg

cc: Dominic Iafrate, Angelo's Recycled Materials, Inc., Warren, MI
Craig Bryan, Angelo's Aggregate Materials, Inc., Largo, FL

TABLES

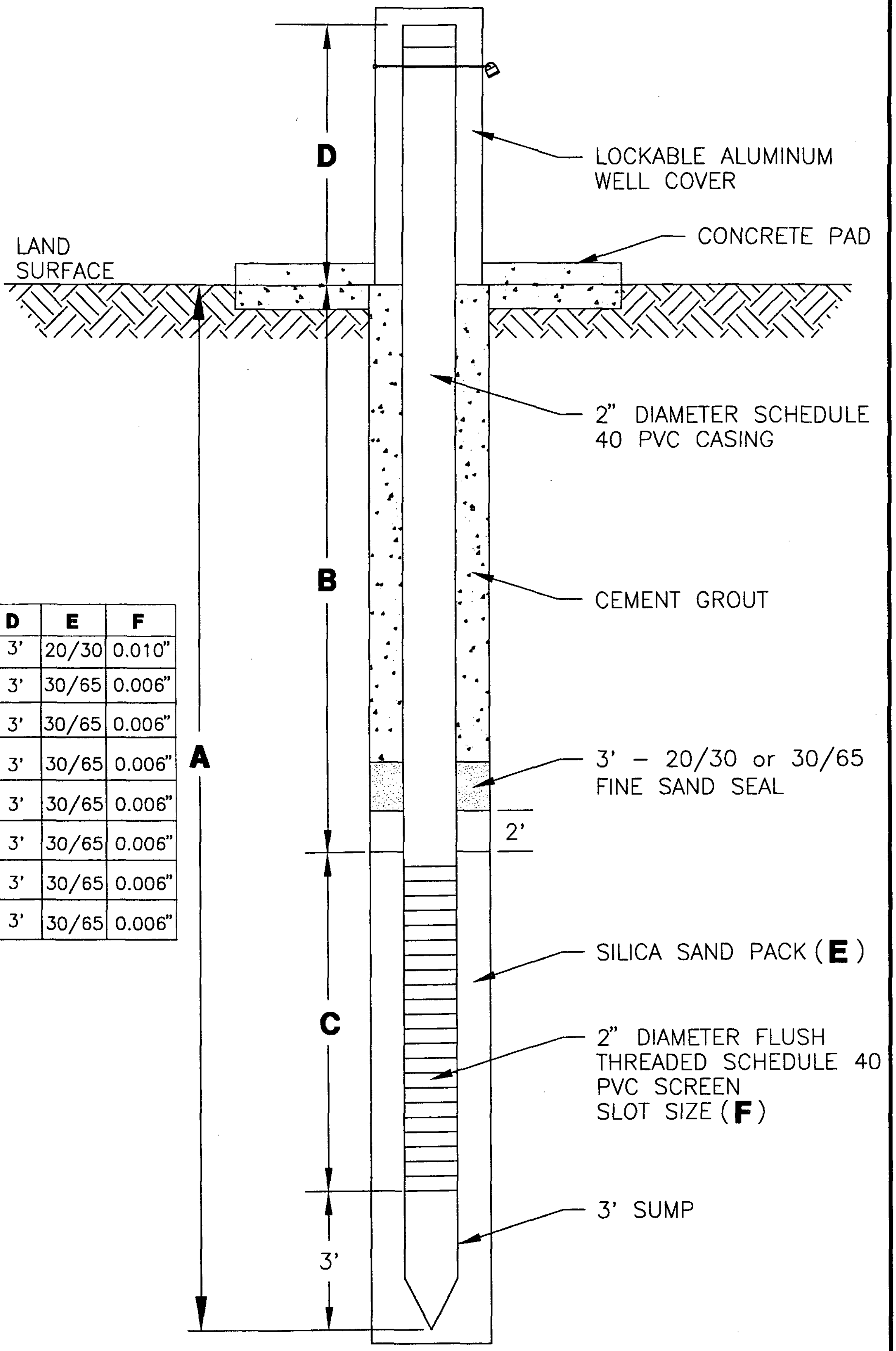
ENTERPRISE RECYCLING AND
DISPOSAL FACILITY
DADE CITY, FL

Table 1

Piezometer Abandonment Details

Piezometer No.	Measured Depth (feet below top of casing)	Date	50-lb. Bags of Neat Cement Grout
P-3	65	07/17/03	2.5
P-3A	46	07/17/03	2.5
P-3B	28	07/17/03	2
P-5	39	07/30/03	3
P-7	45	07/15/03	2
P-9	77	07/17/03	2
P-13	62	07/17/03	2

FIGURES

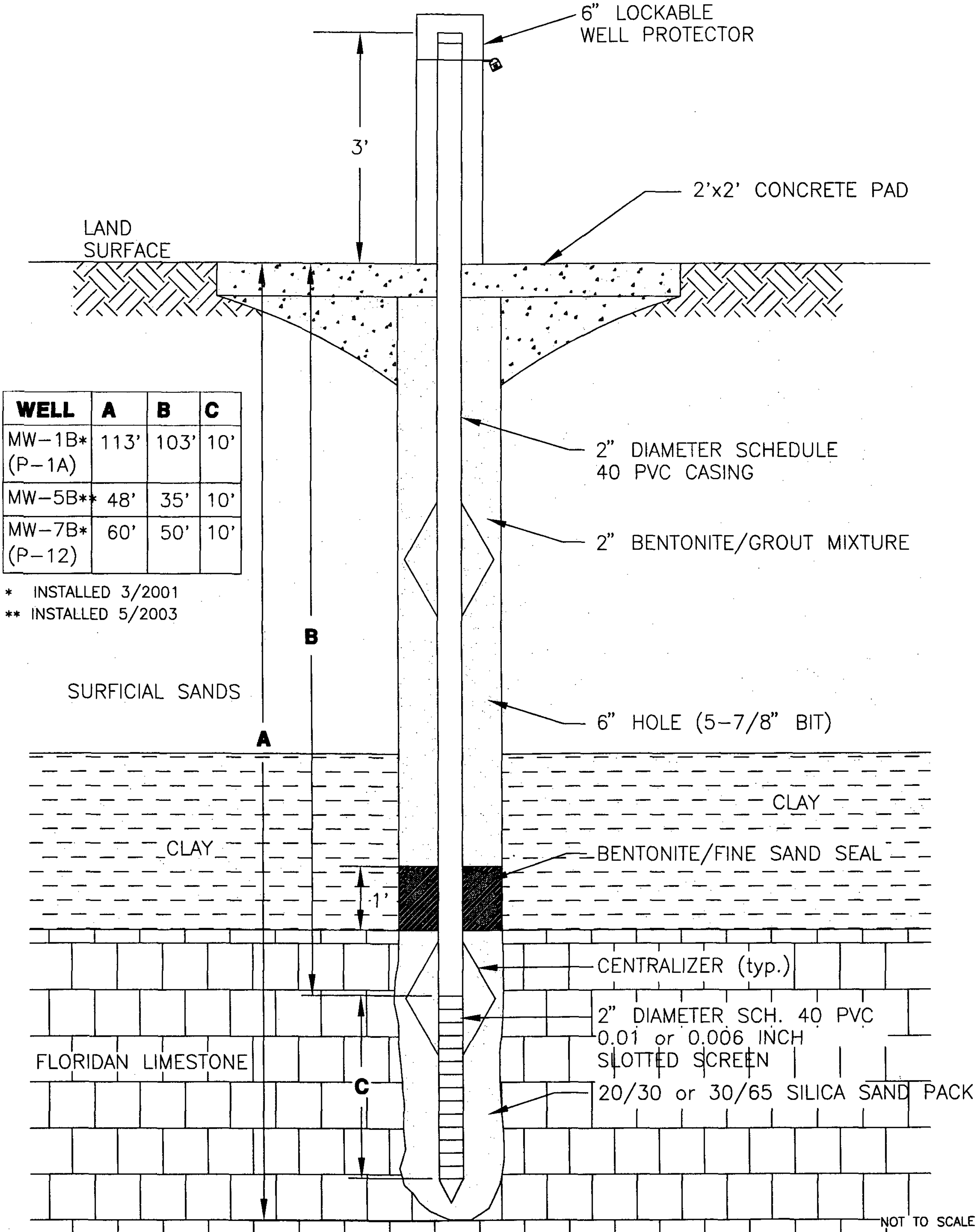


WELL	A	B	C	D	E	F
MW-1	53'	30'	20'	3'	20/30	0.010"
MW-5A	27.5'	4.5'	20'	3'	30/65	0.006"
MW-6	27.5'	4.5'	20'	3'	30/65	0.006"
MW-7A	34.5'	11.5'	20'	3'	30/65	0.006"
MW-8	24.5'	4.5'	20'	3'	30/65	0.006"
MW-9	32'	17'	15'	3'	30/65	0.006"
MW-10	34.5'	19.5'	15'	3'	30/65	0.006"
MW-11	39.5'	16.5'	20'	3'	30/65	0.006"

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
TELEPHONE (407) 839-3955 - FAX (407) 839-3790

AS-BUILT SURFICIAL AQUIFER MONITOR WELL DETAILS - ENTERPRISE RECYCLING & DISPOSAL FACILITY DADE CITY, FLORIDA

FIGURE 2



WELL	**A**	**B**	**C**
MW-1B* (P-1A)	113'	103'	10'
MW-5B**	48'	35'	10'
MW-7B* (P-12)	60'	50'	10'

* INSTALLED 3/2001

** INSTALLED 5/2003

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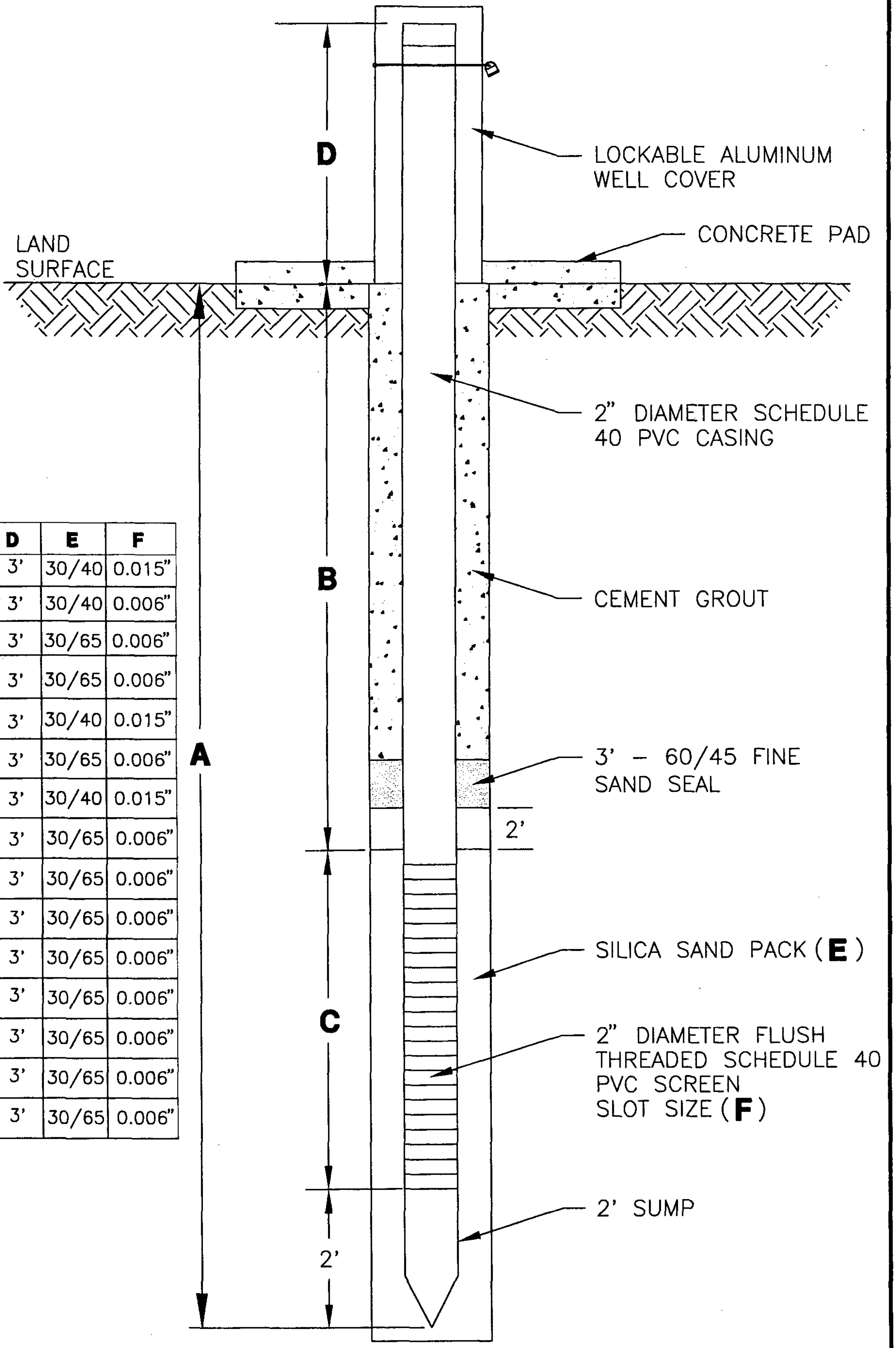
AS-BUILT FLORIDAN MONITOR WELL DESIGN
ENTERPRISE RECYCLING
AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE
3



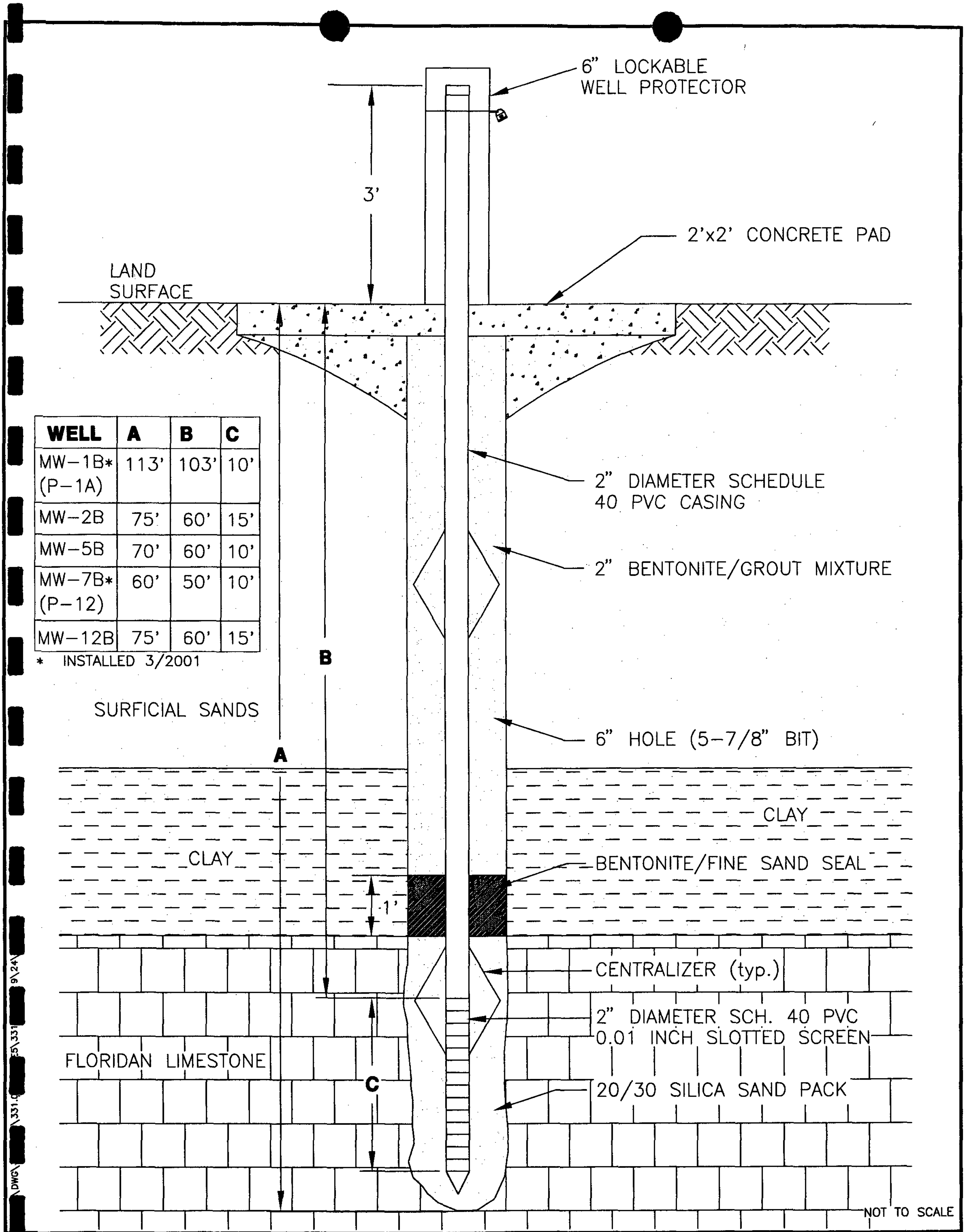
WELL	A	B	C	D	E	F
MW-1	64'	42'	20'	3'	30/40	0.015"
MW-1A	65'	43'	20'	3'	30/40	0.006"
MW-2A	56'	34'	20'	3'	30/65	0.006"
MW-3	50'	28'	20'	3'	30/65	0.006"
MW-4	40'	20'	20'	3'	30/40	0.015"
MW-5A	35'	13'	20'	3'	30/65	0.006"
MW-6	40'	18'	20'	3'	30/40	0.015"
MW-7A	39'	17'	20'	3'	30/65	0.006"
MW-8	50'	29'	20'	3'	30/65	0.006"
MW-9	56'	34'	20'	3'	30/65	0.006"
MW-10	56'	34'	20'	3'	30/65	0.006"
MW-11	55'	33'	20'	3'	30/65	0.006"
MW-12A	62'	40'	20'	3'	30/65	0.006"
MW-13	75'	53'	20'	3'	30/65	0.006"
MW-14	70'	48'	20'	3'	30/65	0.006"

NOT TO SCALE

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
TELEPHONE (407) 839-3955 - FAX (407) 839-3790

PROPOSED SURFICIAL AQUIFER MONITOR WELL DETAILS - PROPOSED ENTERPRISE RECYCLING AND DISPOSAL FACILITY DADE CITY, FLORIDA

FIGURE 4



WELL	A	B	C
MW-1B* (P-1A)	113'	103'	10'
MW-2B	75'	60'	15'
MW-5B	70'	60'	10'
MW-7B* (P-12)	60'	50'	10'
MW-12B	75'	60'	15'

* INSTALLED 3/2001

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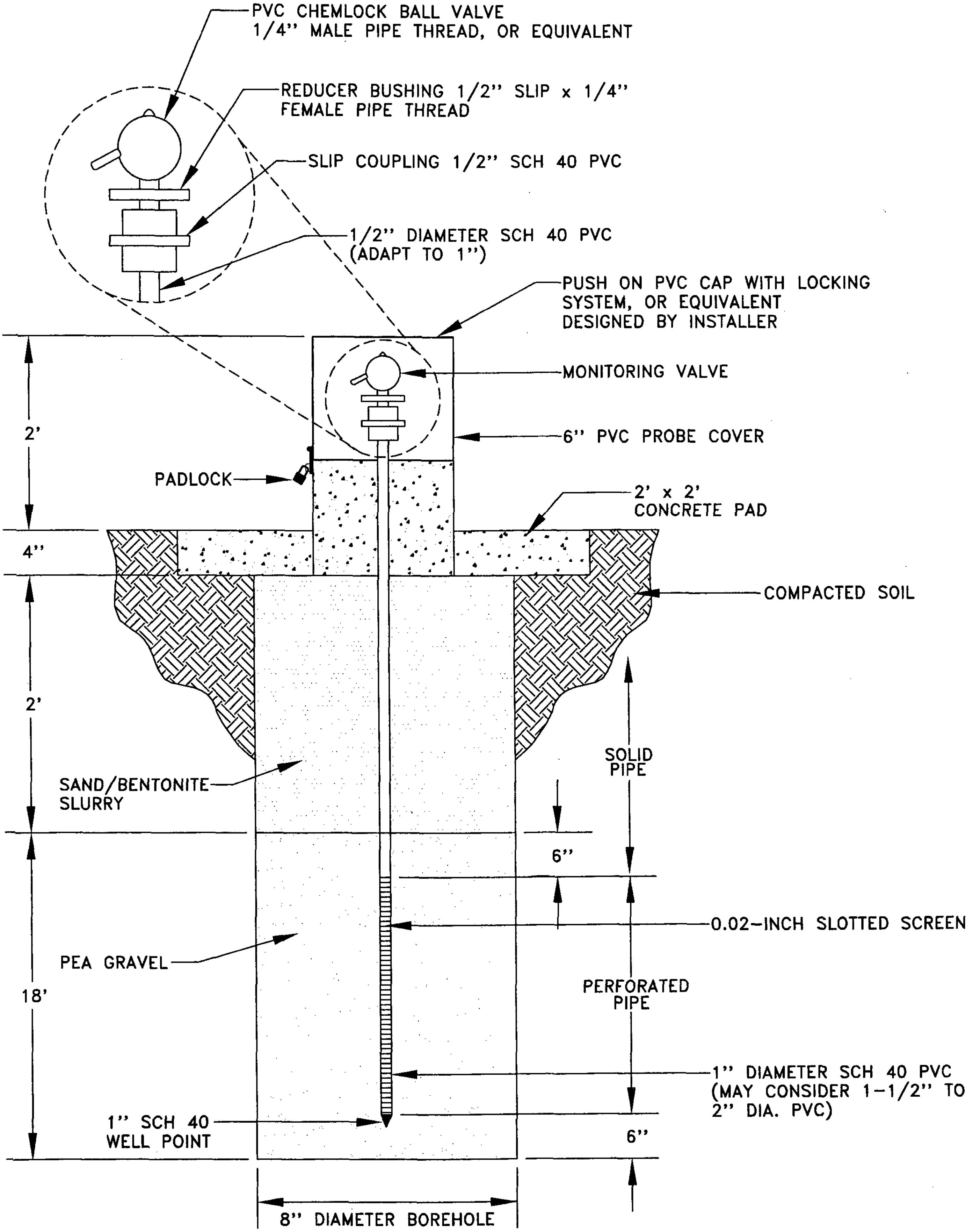
TELEPHONE (407) 839-3955 - FAX (407) 839-3790

FLORIDAN MONITOR WELL DESIGN
PROPOSED ENTERPRISE RECYCLING
AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE 5



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201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
TELEPHONE (407) 839-3955 - FAX (407) 839-3790

GAS PROBE CONSTRUCTION DETAIL
ENTERPRISE DISPOSAL & RECYCLING FACILITY
DADE CITY, FLORIDA

FIGURE
6

ATTACHMENT A

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date ______
DEP Application No. ______
(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: 9-17-03

INSTALLATION NAME: Enterprise Recycling & Disposal Facility

DEP PERMIT NUMBER: 177982-001-SC, 177982-002-SO WACS NUMBER: 87895

WACS TESTSITE ID: 19566 WELL NAME: MW-1

DESIGNATION: Background X Detection ______ Compliance ______

LATITUDE/LONGITUDE: 28° 19' 59.05612"/82° 08' 04.14381"

AQUIFER MONITORED: Surficial

INSTALLATION METHOD: Mud Rotary

INSTALLED BY: Universal Engineering Sciences

TOTAL DEPTH: 53 feet (bls) DEPTH OF SCREEN: 50 – 30 feet (bls)

SCREEN LENGTH: 20 feet SCREEN SLOT SIZE: 0.010 inches SCREEN TYPE: Trylok Sch 40 PVC

CASING DIAMETER: 2 inch CASING TYPE: Trylok Sch 40 PVC

LENGTH OF CASING: 30 feet FILTER PACK MATERIAL: 20/30 Standard Sand

TOP OF CASING ELEVATION (MSL): 116.71 feet

GROUND SURFACE ELEVATION (MSL): 113.81 feet

COMPLETION DATE: 5-5-03

DESCRIBE WELL DEVELOPMENT: A 12 Volt plastic submersible inline pump with clean polyethylene tubing was used at each well to develop for Approximately one hour or until water was pumped clean.

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 74.78 feet

DATE AND TIME MEASURED: 6-30-03 / 0955

REMARKS: (soils information, stratigraphy, etc.) :

REPORT PREPARED BY: Miguel A. Garcia, Hartman & Associates, Inc., 407-839-3955
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG. (bls)= Below Land Surface

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date __________
DEP Application No. __________
(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: 9-17-03

INSTALLATION NAME: Enterprise Recycling & Disposal Facility

DEP PERMIT NUMBER: 177982-001-SC, 177982-002-SO WACS NUMBER: 87895

WACS TESTSITE ID: 19573 WELL NAME: MW-5A

DESIGNATION: Background ______ Detection X Compliance ______

LATITUDE/LONGITUDE: 28° 20' 08.03118"/82° 07' 51.02388"

AQUIFER MONITORED: Surficial

INSTALLATION METHOD: Mud Rotary

INSTALLED BY: Universal Engineering Sciences

TOTAL DEPTH: 27.5 feet
(bls)

DEPTH OF SCREEN: 24.5 – 4.5 feet
(bls)

SCREEN LENGTH: 20 feet SCREEN SLOT SIZE: 0.006 inches SCREEN TYPE: Trylok Sch 40 PVC

CASING DIAMETER: 2 inch CASING TYPE: Trylok Sch 40 PVC

LENGTH OF CASING: 4.5 feet FILTER PACK MATERIAL: 30/65 Standard Sand

TOP OF CASING ELEVATION (MSL): 86.74 feet

GROUND SURFACE ELEVATION (MSL): 83.89 feet

COMPLETION DATE: 5-8-03

DESCRIBE WELL DEVELOPMENT: A 12 Volt plastic submersible inline pump with clean polyethylene tubing was used at each well to develop for Approximately one hour or until water was pumped clean.

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 81.05 feet

DATE AND TIME MEASURED: 6-30-03 / 0935

REMARKS: (soils information, stratigraphy, etc.) :

REPORT PREPARED BY: Miguel A. Garcia, Hartman & Associates, Inc., 407-839-3955
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date ____________
DEP Application No. ____________
(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: 9-17-03

NSTALLATION NAME: Enterprise Recycling & Disposal Facility

DEP PERMIT NUMBER: 177982-001-SC, 177982-002-SO WACS NUMBER: 87895

WACS TESTSITE ID: 19574 WELL NAME: MW-5B

DESIGNATION: Background ____ Detection X Compliance ____

LATITUDE/LONGITUDE: 28° 20' 07.45482"/82° 07' 50.67105"

AQUIFER MONITORED: Floridan

NSTALLATION METHOD: Hollow Stem Auger

INSTALLED BY: Environmental Drilling Services

TOTAL DEPTH: 48 feet (bls) DEPTH OF SCREEN: 45 – 35 feet (bls)

SCREEN LENGTH: 10 feet SCREEN SLOT SIZE: 0.006 inches SCREEN TYPE: Trylok Sch 40 PVC

CASING DIAMETER: 2 inch CASING TYPE: Trylok Sch 40 PVC

LENGTH OF CASING: 35 feet FILTER PACK MATERIAL: 30/65 Standard Sand

TOP OF CASING ELEVATION (MSL): 85.70 feet

GROUND SURFACE ELEVATION (MSL): 82.75 feet

COMPLETION DATE: 6-17-03

DESCRIBE WELL DEVELOPMENT: A 12 Volt plastic submersible inline pump with clean polyethylene tubing was used at each well to develop for approximately one hour or until water was pumped clean.

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 74.33 feet

DATE AND TIME MEASURED: 6-30-03 / 0930

REMARKS: (soils information, stratigraphy, etc.) :

REPORT PREPARED BY: Miguel A. Garcia, Hartman & Associates, Inc., 407-839-3955
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG. (bls)= Below Land Surface

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date ____________
DEP Application No. ____________
(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: 9-18-03

NSTALLATION NAME: Enterprise Recycling & Disposal Facility

DEP PERMIT NUMBER: 177982-001-SC, 177982-002-SO WACS NUMBER: 87895

WACS TESTSITE ID: 19575 WELL NAME: MW-6

DESIGNATION: Background ______ Detection X Compliance ______

ATITUDE/LONGITUDE: 28° 20' 03.08706"/82° 07' 51.09969"

AQUIFER MONITORED: Surficial

NSTALLATION METHOD: Mud Rotary

INSTALLED BY: Universal Engineering Sciences

OTAL DEPTH: 27.5 feet
bls)

DEPTH OF SCREEN: 24.5 – 4.5 feet
(bls)

SCREEN LENGTH: 20 feet SCREEN SLOT SIZE: 0.006 inches SCREEN TYPE: Trylok Sch 40 PVC

ASING DIAMETER: 2 inch CASING TYPE: Trylok Sch 40 PVC

LENGTH OF CASING: 4.5 feet FILTER PACK MATERIAL: 30/65 Standard Sand

OP OF CASING ELEVATION (MSL): 88.65 feet

GROUND SURFACE ELEVATION (MSL): 85.63 feet

OMPLETION DATE: 5-8-03

DESCRIBE WELL DEVELOPMENT: A 12 Volt plastic submersible inline pump with clean polyethylene tubing was used at each well to develop for pproximately one hour or until water was pumped clean.

OST DEVELOPMENT WATER LEVER ELEVATION (MSL): 74.69 feet

DATE AND TIME MEASURED: 6-30-03 / 0925

EMARKS: (soils information, stratigraphy, etc.) :

EPORT PREPARED BY: Miguel A. Garcia, Hartman & Associates, Inc., 407-839-3955
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No.
(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: 9-18-03

INSTALLATION NAME: Enterprise Recycling & Disposal Facility

DEP PERMIT NUMBER: 177982-001-SC, 177982-002-SO WACS NUMBER: 87895

WACS TESTSITE ID: 19576 WELL NAME: MW-7A

DESIGNATION: Background Detection X Compliance

ATITUDE/LONGITUDE: 28° 19' 58.69195"/82° 07' 51.18336"

AQUIFER MONITORED: Surficial

INSTALLATION METHOD: Mud Rotary

INSTALLED BY: Universal Engineering Sciences

OTAL DEPTH: 34.5 feet
(bls)

DEPTH OF SCREEN: 31.5 – 11.5 feet
(bls)

SCREEN LENGTH: 20 feet SCREEN SLOT SIZE: 0.006 inches SCREEN TYPE: Trylok Sch 40 PVC

CASING DIAMETER: 2 inch CASING TYPE: Trylok Sch 40 PVC

LENGTH OF CASING: 11.5 feet FILTER PACK MATERIAL: 30/65 Standard Sand

TOP OF CASING ELEVATION (MSL): 92.46 feet

GROUND SURFACE ELEVATION (MSL): 89.43 feet

COMPLETION DATE: 5-8-03

DESCRIBE WELL DEVELOPMENT: A 12 Volt plastic submersible inline pump with clean polyethylene tubing was used at each well to develop for pproximately one hour or until water was pumped clean.

OST DEVELOPMENT WATER LEVER ELEVATION (MSL): 75.42 feet

DATE AND TIME MEASURED: 6-30-03 / 0920

EMARKS: (soils information, stratigraphy, etc.) :

REPORT PREPARED BY: Miguel A. Garcia, Hartman & Associates, Inc., 407-839-3955
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

DEP Form # 62-522.900(3)

Form Title MONITOR WELL COMPLETION REPORT

Effective Date ______

DEP Application No.______
(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: 9-18-03

INSTALLATION NAME: Enterprise Recycling & Disposal Facility

DEP PERMIT NUMBER: 177982-001-SC, 177982-002-SO WACS NUMBER: 87895

WACS TESTSITE ID: 19578 WELL NAME: MW-8

DESIGNATION: Background ______ Detection X Compliance ______

LATITUDE/LONGITUDE: 28° 19' 53.17608"/82° 07' 50.97483"

AQUIFER MONITORED: Surficial

INSTALLATION METHOD: Mud Rotary

INSTALLED BY: Universal Engineering Sciences

TOTAL DEPTH: 24.5 feet
(bls)

DEPTH OF SCREEN: 24.5 – 4.5 feet
(bls)

SCREEN LENGTH: 20 feet SCREEN SLOT SIZE: 0.006 inches SCREEN TYPE: Trylok Sch 40 PVC

CASING DIAMETER: 2 inch CASING TYPE: Trylok Sch 40 PVC

LENGTH OF CASING: 4.5 feet FILTER PACK MATERIAL: 30/65 Standard Sand

TOP OF CASING ELEVATION (MSL): 100.10 feet

GROUND SURFACE ELEVATION (MSL): 97.17 feet

COMPLETION DATE: 5-8-03

DESCRIBE WELL DEVELOPMENT: A 12 Volt plastic submersible inline pump with clean polyethylene tubing was used at each well to develop for approximately one hour or until water was pumped clean.

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 81.13 feet

DATE AND TIME MEASURED: 6-30-03 / 0915

REMARKS: (soils information, stratigraphy, etc.) :

REPORT PREPARED BY: Miguel A. Garcia, Hartman & Associates, Inc., 407-839-3955
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG. (bls)= Below Land Surface

DEP Form # 62-522.900(3)

Form Title MONITOR WELL COMPLETION REPORT

Effective Date ________

DEP Application No. ________
(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: 9-18-03

INSTALLATION NAME: Enterprise Recycling & Disposal Facility

DEP PERMIT NUMBER: 177982-001-SC, 177982-002-SO WACS NUMBER: 87895

WACS TESTSITE ID: 19579 WELL NAME: MW-9

DESIGNATION: Background ______ Detection X Compliance ______

LATITUDE/LONGITUDE: 28° 19' 48.20108"/ 82° 07' 50.99235"

AQUIFER MONITORED: Surficial

INSTALLATION METHOD: Mud Rotary

INSTALLED BY: Universal Engineering Sciences

TOTAL DEPTH: (bls) 32 feet DEPTH OF SCREEN: (bls) 32 – 17 feet

SCREEN LENGTH: 15 feet SCREEN SLOT SIZE: 0.006 inches SCREEN TYPE: Trylok Sch 40 PVC

CASING DIAMETER: 2 inch CASING TYPE: Trylok Sch 40 PVC

LENGTH OF CASING: 17 feet FILTER PACK MATERIAL: 30/65 Standard Sand

TOP OF CASING ELEVATION (MSL): 108.00 feet

GROUND SURFACE ELEVATION (MSL): 105.51 feet

COMPLETION DATE: 5-9-03

DESCRIBE WELL DEVELOPMENT: A 12 Volt plastic submersible inline pump with clean polyethylene tubing was used at each well to develop for Approximately one hour or until water was pumped clean.

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): DRY

DATE AND TIME MEASURED: 6-30-03 / 0910

REMARKS: (soils information, stratigraphy, etc.) :

REPORT PREPARED BY: Miguel A. Garcia, Hartman & Associates, Inc., 407-839-3955
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG. (bls)= Below Land Surface

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date ______
DEP Application No. ______
(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: 9-18-03

INSTALLATION NAME: Enterprise Recycling & Disposal Facility

DEP PERMIT NUMBER: 177982-001-SC, 177982-002-SO WACS NUMBER: 87895

WACS TESTSITE ID: 19580 WELL NAME: MW-10

DESIGNATION: Background ______ Detection X Compliance ______

LATITUDE/LONGITUDE: 28° 19' 45.17257"/ 82° 07' 52.70374"

AQUIFER MONITORED: Surficial

INSTALLATION METHOD: Mud Rotary

INSTALLED BY: Universal Engineering Sciences

TOTAL DEPTH: 34.5 feet
(bls)

DEPTH OF SCREEN: 34.5 – 19.5 feet
(bls)

SCREEN LENGTH: 15 feet SCREEN SLOT SIZE: 0.006 inches SCREEN TYPE: Trylok Sch 40 PVC

CASING DIAMETER: 2 inch CASING TYPE: Trylok Sch 40 PVC

LENGTH OF CASING: 19.5 feet FILTER PACK MATERIAL: 30/65 Standard Sand

TOP OF CASING ELEVATION (MSL): 111.62 feet

GROUND SURFACE ELEVATION (MSL): 108.84 feet

COMPLETION DATE: 6-28-03

DESCRIBE WELL DEVELOPMENT: A 12 Volt plastic submersible inline pump with clean polyethylene tubing was used at each well to develop for approximately one hour or until water was pumped clean.

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 81.22 feet

DATE AND TIME MEASURED: 6-30-03 / 0900

REMARKS: (soils information, stratigraphy, etc.) :

REPORT PREPARED BY: Miguel A. Garcia, Hartman & Associates, Inc., 407-839-3955
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
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(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: 9-18-03

NSTALLATION NAME: Enterprise Recycling & Disposal Facility

DEP PERMIT NUMBER: 177982-001-SC, 177982-002-SO WACS NUMBER: 87895

WACS TESTSITE ID: 19581 WELL NAME: MW-11

DESIGNATION: Background Detection X Compliance

ATITUDE/LONGITUDE: 28° 19' 44.59492"/ 82° 07' 57.99815"

AQUIFER MONITORED: Surficial

NSTALLATION METHOD: Mud Rotary

INSTALLED BY: Universal Engineering Sciences

OTAL DEPTH: 39.5 feet
(bls)

DEPTH OF SCREEN: 36.5 – 16.5 feet
(bls)

CREEN LENGTH: 20 feet SCREEN SLOT SIZE: 0.006 inches SCREEN TYPE: Trylok Sch 40 PVC

CASING DIAMETER: 2 inch CASING TYPE: Trylok Sch 40 PVC

LENGTH OF CASING: 16.5 feet FILTER PACK MATERIAL: 30/65 Standard Sand

OP OF CASING ELEVATION (MSL): 104.45 feet

GROUND SURFACE ELEVATION (MSL): 102.78 feet

OMPLETION DATE: 7-14-03

DESCRIBE WELL DEVELOPMENT: A 12 Volt plastic submersible inline pump with clean polyethylene tubing was used at each well to develop for pproximately one hour or until water was pumped clean.

OST DEVELOPMENT WATER LEVER ELEVATION (MSL): 77.25 feet

DATE AND TIME MEASURED: 8-19-03 / 1340

EMARKS: (soils information, stratigraphy, etc.) :

EPORT PREPARED BY: Miguel A. Garcia, Hartman & Associates, Inc., 407-839-3955
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG. (bls)= Below Land Surface

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MGARCIA

MW-1 | 1 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
5							SAND, BROWN, MED TO FINE GRAIN.		ORGANICS
10									
15									
20							SAME AS ABOVE SAND, TAN-BROWN, FINE GRAIN		INTERSTRATTC CLAY
25									
0									

PROJECT

NUMBER: 99-0331.007

NAME: ENTERPRISE RD. LF

CLIENT: ANGELO'S AGG M

LOCATION: DADE CTY, F

BORING

GR. ELEV.:

DIA-TYPE: 6" -MUD ROTAR

DEPTH: 53'

DATE STARTED: 5-5-93

DATE ENDED:

GROUNDWATER

DEPTH:

TIME:

DATE:

REMARKS:

DRILLING

RIG TYPE: CME 45

CREW: UNIVERSAL ENG S

SUPERVISOR: LEROY PRENCI ALLAN

PIEZ/WELL

CASING DIAM.: 2"

CASING TYPE: TRILOCK PVC

CASING DEPTH: 0-30'

SCREEN DEPTH: 30-50'

SCREEN LENGTH: 20'

FILTER PACK: 20/30 SAND

RISER HEIGHT ALS: ~

T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG MCARRZA

MW-1 | 2 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
35							↓		
40							↓ SAME AS ABOVE SAND, ORANGE-TAN, FINE GRAIN		
45							↓		
50							↓ SAME AS ABOVE		
5							EOB		
0									

PROJECT

NUMBER: 99.0331 007

NAME: ENTERPRISE RD LF

CLIENT: AAM

LOCATION: DADE CITY, FL

BORING

GR. ELEV.:

DIA-TYPE: 6" - MC

DEPTH: 53'

DATE STARTED: 5-5-03

DATE ENDED:

GROUNDWATER

DEPTH:

TIME:

DATE:

REMARKS:

DRILLING

RIG TYPE: CME 45

CREW: UES

SUPERVISOR: LEROY PRINC

PIEZ/[✓ WELL]

CASING DIAM.: 2"

CASING TYPE: DRYLOK PVC

CASING DEPTH: 0-30'

SCREEN DEPTH: 30-50'

SCREEN LENGTH: 20'

FILTER PACK: 20/30 SAND

RISER HEIGHT ALS: ~

T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MGARCIA

B-5

1 of 4

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
	1			1 2 5	7		SAND, BROWN, MED. TO FINE GRAIN, WELL SORTED.		ORGANICS (ROOTS, & ETC.)
5	2			1 1 1	2		SAND, BROWN-TAN, FINE TO V. FINE GRAIN, MOD. WELL SORTED, INTERSTITIAL CLAY		
10	3			3 3 3	6		CLAYEY-SAND, ORANGE-RUST, MED. TO V. FINE GRAIN, MOD. SORTING, SEMI FIRM		Fe OXIDE STAINING
15	4			2 3 5			CLAYEY SAND GRAY, MED. TO V. FINE GRAIN, MOD. WELL SORTING, SEMI FIRM ORANGE (MOTTLED) + GRAY SAND @ 19.5'		
20	5			3 5 10			~~SILTY SAND, LT GRAY & ORANGE, FINE TO [illegible] [illegible] FIRM~~		
							SANDY-CLAY, LT GRAY, MED. TO SILT, MOD. POOR SORTING, V. FIRM, ORANGE CLAYEY SAND @ 19.5'		
25	6			3 4 7			SILTY-SANDY-CLAY LT GRAY & TAN-ORANGE (MOTTLED), FINE TO SILT, V. FIRM.		
30	7			3 4 5			SILTY-CLAY, LT ORANGE-TAN (MOTTLED), V. FIRM.		

PROJECT

NUMBER: 99.0331.001

NAME: ENTERPRISE RD. LF

CLIENT: AAM

LOCATION: DADE CITY

BORING

GR. ELEV.: ~83'

DIA-TYPE: 3 5/6" - MR

DEPTH: 95'

DATE STARTED: 4-03-98

DATE ENDED:

GROUNDWATER

DEPTH:

TIME:

DATE:

REMARKS:

DRILLING

RIG TYPE: CME 45

CREW: UES

SUPERVISOR: L. PRINCE

PIEZ/WELL

CASING DIAM.:

CASING TYPE:

CASING DEPTH:

SCREEN DEPTH:

SCREEN LENGTH:

FILTER PACK:

RISER HEIGHT ALS:

T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.
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FIELD BORING LOG

M GARCIA

B-5

2 of 4

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
35	8			3 4 6	10		SANDY-CLAY LT TAN + ORANGE (MOTTLED), FINE TO SILT, V. FIRM.		
40	9			3 3 4	7		SILTY-CLAY, TAN + ORANGE (MOTTLED), FIRM.		LS FRAG-MENTS FROM 39'-40'
45	10			2 3 4	7		SILTY-CLAY, LT GREEN + TAN-ORANGE (MOTTLED), ~~[illegible]~~. SEMI FIRM TO V. FIRM.		SAND + SILTY-SAND LENSES
50	11			2 4 5	9		CLAYEY-SILTY-SAND, TAN + ORANGE (MOTTLED) SEMI FIRM + SOFT.		Fe STAINS, SC → CS → CSS
55	12			3 4 5	9		CLAYEY-SAND, ORANGE-TAN, COARSE TO V. FINE GRAIN, POORLY SORTED. SMALL/MED AMT. OF CLAY. SOFT.		
60	13			2 2 3	5		CLAYEY-SAND, RUST-DK. BROWN, MED TO SILT, SOFT, LARGE AMT. OF CLAY		RICH Fe OXIDE STAINING

PROJECT

NUMBER: 99.0331.001

NAME: ENTERPRISE RD. L.F.

CLIENT: AAM

LOCATION: DADE CITY, FL

BORING

GR. ELEV.: ~83'

DIA-TYPE: 3 5/6" - MR

DEPTH: 95'

DATE STARTED: 4-3-03

DATE ENDED: 4-4-03

GROUNDWATER

DEPTH:

TIME:

DATE:

REMARKS:

DRILLING

RIG TYPE: CME 45

CREW: UES

SUPERVISOR: L. PRINCE

PIEZ/WELL

CASING DIAM.:

CASING TYPE:

CASING DEPTH:

SCREEN DEPTH:

SCREEN LENGTH:

FILTER PACK:

RISER HEIGHT ALS:

T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MGARCIA

B-5

3 of 4

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
65	14			1 2 2 3			~~[illegible]~~ CLAYEY-SILT, DARK ORANGE-RUST, FIRM, Fe HP FRAGMENTS		
70	15			1 1 2			LIMEROCK @ 69' + 69.5' SILTY CLAY @ 69.5-70'. TAN ORANGE (MOTTLED) FIRM.		
75	16			2 2 4			SILTY CLAY, LT TAN + DARK ORANGE (MOTTLED) V. FIRM. LR FRAG. @ 69'		Fe HP FRAGMENTS
80	17			[illegible]			SILTY-CLAY, LT TAN + LT ORANGE (MOTTLED). V. FIRM		SMALL AMTS. OF LS FRAGMENTS
85	18			6 3 3			SILTY-CLAY, LT. TAN + ORANGE (MOTTLED), V. FIRM		
90	19			WH 3 2			SILTY-CLAY, LT TAN + ORANGE (SLIGHTLY MOTTLED), V. FIRM		

PROJECT

NUMBER: 99.0331.001
NAME: ENTERPRISE RD LF
CLIENT: AAM
LOCATION: DADE CITY

BORING

GR. ELEV.: ~83'
DIA-TYPE: 3 5/16" - MR
DEPTH: 95'
DATE STARTED: 4-3-99
DATE ENDED: 4-4-93

GROUNDWATER

DEPTH:
TIME:
DATE:
REMARKS:

DRILLING

RIG TYPE: CME 45
CREW: UES
SUPERVISOR: L PRANCE

PIEZ/WELL

CASING DIAM.:
CASING TYPE:
CASING DEPTH:
SCREEN DEPTH:
SCREEN LENGTH:
FILTER PACK:
RISER HEIGHT ALS:
T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

M GARCIA | B-5 | 4 of 4

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
95	20			1 1 1	2		CLAYEY-SILT FROM 93.5-94 SEMI-FIRM SAND FROM 94-94.7. CLAYEY-SILT FROM 94.7-95 SOFT. EOB		FE AP FRAGMENTS
0									
5									
0									
5									
0									

PROJECT

NUMBER: 99.0331.001
NAME: ENTERPRISE RD. LF
CLIENT: AAM
LOCATION: DADE CITY

BORING

GR. ELEV.: ~83'
DIA-TYPE:
DEPTH: 95'
DATE STARTED: 4-3-98
DATE ENDED: 4-4-98

GROUNDWATER

DEPTH:
TIME:
DATE:
REMARKS:

DRILLING

RIG TYPE:
CREW:
SUPERVISOR:

PIEZ/WELL

CASING DIAM.:
CASING TYPE:
CASING DEPTH:
SCREEN DEPTH:
SCREEN LENGTH:
FILTER PACK:
RISER HEIGHT ALS:
T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.
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FIELD BORING LOG [illegible]

MW-5B | 1 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
5							SAND, FINE, MOD. WELL SORTED, ORANGE-TAN, SMALL AMT OF ORGANICS ↓		
10							SAND, FINE TO SILT, WELL SORTED, ↑ IN CLAY CONTENT ↓		
15							CLAYEY-SAND, ORANGE TAN, FINE TO SILT, FIRM ↓		
20							SANDY-CLAY, ORANGE-TAN, FINE TO SILT, VERY FIRM ↓		
25							SANDY-SILTY-CLAY, TAN-ORANGE, FINE TO SILT, VERY FIRM ↓		
30							LS FRAGMENTS		

PROJECT
NUMBER: 99.0331.007
NAME: ENTERPRISE R
LANDFILL
CLIENT: A&M
LOCATION: DADE CNTY, FL

BORING
GR. ELEV.: ~
DIA-TYPE: 4"/4"(IN) 8"(OUT
DEPTH: 45'
DATE STARTED: 6-17-03
DATE ENDED: 6-17-03

GROUNDWATER
DEPTH: ~13 ft
TIME:
DATE:
REMARKS:

DRILLING
RIG TYPE: BK 81
CREW: EDS
SUPERVISOR: ROGER HUTCHESON

PIEZ/[✓ WELL]
CASING DIAM.: 2"
CASING TYPE: TRYLOK PVC
CASING DEPTH: 0-35'
SCREEN DEPTH: 35'-45'
SCREEN LENGTH: 10'
FILTER PACK: 30-65 SAND
RISER HEIGHT ALS: ~3'
T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

M GARCIA | MW-5B | 2 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
35							SILTY-CLAY, TAN-ORANGE, MOD AMT. OF FRIABLE TO FIRM LIMEROCK FRAGMENTS, SILTY-CLAY IS SEMI-FIRM ↓		
40							↓		
45							SILTY-CLAY, W/ LIMEROCK + LIMESTONE, HARD + FRIABLE PIECES ↓ EOB		
0									
5									
0									

PROJECT
NUMBER: 99.0331.007
NAME: ENTERPRISE RD. LF.
CLIENT: ALM
LOCATION: DADE CITY FL

BORING
GR. ELEV.: ~
DIA-TYPE: 4 1/4 " LINE
DEPTH: 45'
DATE STARTED: 6-17-03
DATE ENDED: 6-17-03

GROUNDWATER
DEPTH: ~13'
TIME:
DATE:
REMARKS:

DRILLING
RIG TYPE: BK 81
CREW: EOS
SUPERVISOR: ROGER HUTCHESON

PIEZ/[✓ WELL]
CASING DIAM.: 2"
CASING TYPE: THYLOK PVC
CASING DEPTH: 0-35'
SCREEN DEPTH: 34-45'
SCREEN LENGTH: 10'
FILTER PACK: 30-65 SAND
RISER HEIGHT ALS: ~3'
T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.
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FIELD BORING LOG

MW-6 | 1 of 1

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
5							SAND, TAN-BROWN MED TO FINE GRAIN ↓		ORGANICS
10							CLAYEY-SAND, ~~BROWN~~ ORANGE-TAN, FINE GRAIN ↓		
15							SANDY-CLAY, TAN, FINE TO SILT, FIRM		
20							↓ SAME AS ABOVE		
25							↓ SAME AS ABOVE		
0							– EOB		

PROJECT

NUMBER: 94 0331.007
NAME: ENTERPRISE RD LF
CLIENT: ANGELO'S AGG
LOCATION: DADE CITY

BORING

GR. ELEV.:
DIA-TYPE: 6" – MR
DEPTH: 27'
DATE STARTED: 5-8-95
DATE ENDED:

GROUNDWATER

DEPTH:
TIME:
DATE:
REMARKS:

DRILLING

RIG TYPE: CME 45
CREW: UES
SUPERVISOR: LEROY PRINCE

PIEZ/[✓ WELL]

CASING DIAM.: 2"
CASING TYPE: [illegible] PVC
CASING DEPTH: 0-4' (BLS)
SCREEN DEPTH: 24-4' BLS
SCREEN LENGTH: 20 ft
FILTER PACK: 30/45 SAND
RISER HEIGHT ALS: ~3 ft
T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MEARCIA

MW-7A | 1 of

DEPTH (FT)	SAMPLE NO/TYPE	SYMBOL	% REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
5							SAND, TAN-BROWN, MED. TO FINE GRAIN		ORGANICS
10							CLAYEY - SAND, ORANGE TAN, FINE TO SILT, SEMI FIRM ↓		
15							SAME AS ABOVE ↓		
20							SAME AS ABOVE ↓		
25							~~[illegible]~~ SANDY-CLAY, ORANGE TAN, FIRM ↓		Fe HARDPAN NODULES FRAGMENTS
30							SAME AS ABOVE ↓		SMALL LR FRAGMENTS

PROJECT

NUMBER: 99.0381.007

NAME: ENTERPRISE RD. LF.

CLIENT: AAM

LOCATION: DADE CITY, FL

BORING

GR. ELEV.: ~91 ft

DIA-TYPE: 6" - MR

DEPTH: 34.5 ft

DATE STARTED: 5-8-03

DATE ENDED: 5-8-03

GROUNDWATER

DEPTH:

TIME:

DATE:

REMARKS:

DRILLING

RIG TYPE: CME 45

CREW: UES

SUPERVISOR: LEROY PRINCE

PIEZ/[✓ WELL]

CASING DIAM.: 2"

CASING TYPE: TRYLOK PVC

CASING DEPTH:

SCREEN DEPTH:

SCREEN LENGTH: 20'

FILTER PACK: 30/65 SAND

RISER HEIGHT ALS: ~3 ft

T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MGARCIA

MW-7A

2 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
35							SAME AS ABOVE ↓ EOB		SMALL LR FRAGMENTS
0									
5									
0									
5									
0									

PROJECT

NUMBER: 99.0331.007

NAME: ENTERPRISE RD, LF

CLIENT: AAM

LOCATION: DADE CTY, FL

BORING

GR. ELEV.: ~91 ft

DIA-TYPE: 6"-MR

DEPTH: 34.5 ft

DATE STARTED: 5-8-93

DATE ENDED: 5-8-93

GROUNDWATER

DEPTH:

TIME:

DATE:

REMARKS:

DRILLING

RIG TYPE: CME 45

CREW: UES

SUPERVISOR: LP

PIEZ/[✓ WELL]

CASING DIAM.: 2"

CASING TYPE: TRULOK PVC

CASING DEPTH: 11.5-0'

SCREEN DEPTH: 31.5-11.5'

SCREEN LENGTH: 20 ft

FILTER PACK: 30/65 SAND

RISER HEIGHT ALS: ~3 ft

T.O.C. ELEV.:

REMARKS

FIELD BORING LOG

M GARCIA

B-8

1 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
	1		1 1 2				SAND, BROWN, MED. TO FINE SAND, WELL SORTED, ORGANICS		ORGANICS (ROOTS, ETC.)
5	2		WH 1	12	1		CLAYEY-SAND, TAN-ORANGE, FINE TO V. FINE GRAIN, WELL SORTED, SOFT, SMALL AMT. OF CLAY.		
10	3		6 8 14		22		CLAYEY-SAND, TAN-ORANGE, MED. TO V. FINE GRAIN, FIRM,		MOTTLED COLOR (GRAY-ORANGE)
15	4		6 8 11		19		SILTY-CLAY ~~LT~~ TAN + ORANGE (MOTTLED) MED TO SILT, V. FIRM		
20	5		4 5 7		12		SILTY-CLAY, YELLOW TAN + ORANGE (MOTTLED). V. FIRM.		FE OXIDE STAINING.
25	6		2 5 11		16		SILTY-CLAY, CREAMY-TAN, MED. TO SILT, V. FIRM.		
30	7		2 5 7		12		SANDY CLAY, TAN + ORANGE (MOTTLED) V. FIRM.		

PROJECT

NUMBER: #99-0331.04
NAME: ENTERPRISE RD LF
CLIENT: ANGELO'S AGG. M
LOCATION: DADE CITY, FL

BORING

GR. ELEV.: ~
DIA-TYPE: 35/6" -MR
DEPTH: 45'
DATE STARTED: 4-4-03
DATE ENDED: 4-7-03

GROUNDWATER

DEPTH:
TIME:
DATE:
REMARKS:

DRILLING

RIG TYPE: CME 45
CREW: UES
SUPERVISOR: L. PRINCE

PIEZ/WELL

CASING DIAM.:
CASING TYPE:
CASING DEPTH:
SCREEN DEPTH:
SCREEN LENGTH:
FILTER PACK:
RISER HEIGHT ALS:
T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MGARCIA

B-8

2 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
35	8			2 2 4	6		SANDY CLAY, GRAY + ORANGE + BROWN (MOTTLED) VERY FIRM		SMALL SAND + FINE LS LENSE @ 34.9'
40	9			WH 18"	1		SANDY CLAY FROM 385-39. SILTY SANDY-CLAY FROM 39-40 LT TAN + ORANGE (MOTTLED) SEMI FIRM		SAND LENSES.
45	10			WH 18"	1		SILTY-CLAY, TAN + ORANGE (MOTTLED), SOFT, EOB		
0									
5									
0									

PROJECT

NUMBER: 99.0331.001
NAME: ENTERPRISE RD - LF
CLIENT: AAM.
LOCATION: DADE CITY

BORING

GR. ELEV.:
DIA-TYPE: 3 5/6" - MR
DEPTH: 45'
DATE STARTED: 4-4-03
DATE ENDED: 4-7-03

GROUNDWATER

DEPTH: 715'
TIME:
DATE:
REMARKS: HOLE CAVED IN. TO 16'

DRILLING

RIG TYPE: CME 45
CREW: VES
SUPERVISOR: L. PATRICE

PIEZ/WELL

CASING DIAM.:
CASING TYPE:
CASING DEPTH:
SCREEN DEPTH:
SCREEN LENGTH:
FILTER PACK:
RISER HEIGHT ALS:
T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MGARCIA

B-9

1 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
5	1			1 3 2	5		SAND, BROWN, FINE GRAIN, SOFT		ORGANICS (ROOTS, ETC)
	2			1 2 1	3		CLAYEY-SAND, REDDISH-BROWN, FINE GRAIN, SOFT		
10	3			5 8 12	20		CLAYEY-SAND, LT TAN + RUST-ORANGE (MOTTLED) FINE TO SILT, FIRM.		
15	4			5 6 9	15		SILTY-CLAYEY-SAND TAN + ORANGE RUST + BROWN, MOTTLED, FIRM		
20	5			2 3 5	8		SILTY-CLAY, LT TAN + LT GRAY + ORANGE (MOTTLED), VERY FIRM.		
25	6			3 4 5			SILTY-CLAY, LT TAN + ORANGE + BLACK (MOTTLED), V. FIRM.		
30				4 7 12			SILTY-SAND FROM 28.5-29.5' TAN TO BROWN, FIRM TO V. FIRM. CLAYEY SAND FROM 29.5-31' BROWN TO TAN, V. FIRM.		

PROJECT

NUMBER: 99.0331.001

NAME: ENTERPRISE RD LF.

CLIENT: ANGELO'S AGG. MA

LOCATION: DADE CITY, FL

BORING

GR. ELEV.: ≈ 111'

DIA-TYPE: 3 7/8" - MR

DEPTH: 45'

DATE STARTED: 4-7-03

DATE ENDED: 4-7-03

GROUNDWATER

DEPTH:

TIME:

DATE:

REMARKS:

DRILLING

RIG TYPE: CME 45

CREW: UES

SUPERVISOR: L. PRINCE

PIEZ/WELL

CASING DIAM.:

CASING TYPE:

CASING DEPTH:

SCREEN DEPTH:

SCREEN LENGTH:

FILTER PACK:

RISER HEIGHT ALS:

T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MGARCIA

B-9

2 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
35				3 4 6			SILTY-SAND, ORANGE-RUST, SEMI FIRM,		FE HP FRAGMENTS
40				2 2 2			SILTY-CLAY, TAN + CREAMY TAN + TAN-ORANGE (MOTTLED), SEMI FIRM,		LR FRAGS.
45				4 50 4"			~~TOTAL~~ LOSS OF ~~H2O~~ CIRCULATION SILTY-SAND FROM 43.5-44. LIMEROCK FROM 44-44.5' VERY HARD, CREAMY WHITE LIMEROCK EOB		
50									
55									
60									

PROJECT

NUMBER: 99 0331.001
NAME: ENTERPRISE RD LF.
CLIENT: AAM.
LOCATION: DADE CITY.

BORING

GR. ELEV.: ~111'
DIA-TYPE: 35/6" - MR
DEPTH: 44'4"
DATE STARTED: 4-7-03
DATE ENDED: 4-7-03

GROUNDWATER

DEPTH:
TIME:
DATE:
REMARKS:

DRILLING

RIG TYPE: CME 45
CREW: VES
SUPERVISOR: L. PRINCE

PIEZ/WELL

CASING DIAM.:
CASING TYPE:
CASING DEPTH:
SCREEN DEPTH:
SCREEN LENGTH:
FILTER PACK:
RISER HEIGHT ALS:
T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.
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FIELD BORING LOG

MW-10 | 1 of 1

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
							Dark brown silty fine Sand		
							Orange clayey fine Sand		
5									
10									
15									
20									
25							Light orange sandy Clay		
30									
35'							EOB		

PROJECT

NUMBER: 99.0331.007
NAME: Enterprise Road Landfill
CLIENT:
LOCATION: Dade City

BORING

GR. ELEV.:
DIA-TYPE: 6"
DEPTH: 35'
DATE STARTED: 6/25/03
DATE ENDED: 6/25/03

GROUNDWATER

DEPTH:
TIME:
DATE:
REMARKS:

DRILLING

RIG TYPE: CME 45
CREW: Allen
SUPERVISOR: Leroy

PIEZ/WELL

CASING DIAM.:
CASING TYPE:
CASING DEPTH:
SCREEN DEPTH:
SCREEN LENGTH:
FILTER PACK:
RISER HEIGHT ALS:
T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

B-11

1 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
5	①			1 2 2	4		SAND, ORANGE-BROWN, MED. TO V. FINE GRAIN, MOD. WELL SORTED		
10				2 5 6	11		CLAYEY SILTY-SAND, TAN ORANGE, FINE TO SILT, MOD. FIRM		
15				9 9 12	21		SAME AS ABOVE		
20				4 7 13	20		SILTY-CLAYEY-SAND, V. FINE TO SILT, FIRM		
25				6 8 13	21		SILTY-CLAYEY-SAND, ORANGE-TAN MED. TO SILT, POORLY SORTED, MOD.-CLAY, FIRM		(MOTTLED)
30				5 6 7			SILTY-SAND, LT. GRAY, FINE TO SILT, SEMI-FIRM		

PROJECT

NUMBER: 99.0391.007

NAME: ENTERPRISE ROAD LF

CLIENT: ANGELO'S RECYCLED MAT

LOCATION: DADE CITY, FL

BORING

GR. ELEV.: ~

DIA-TYPE:

DEPTH: 45' (BLS)

DATE STARTED: 7-14-03

DATE ENDED: 7-14-03

GROUNDWATER

DEPTH:

TIME:

DATE:

REMARKS:

DRILLING

RIG TYPE: CME 45

CREW: UNIVERSAL ENG SCI

SUPERVISOR: LEROY PRINCE

PIEZ/WELL

CASING DIAM.:

CASING TYPE:

CASING DEPTH:

SCREEN DEPTH:

SCREEN LENGTH:

FILTER PACK:

RISER HEIGHT ALS:

T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MGARCIA

B-11

2 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
35				7 8 8	16		CLAYEY-SILTY-SAND, LT. GRAY, MED. TO SILT, SOFT		
40				3 3 5	8		SILTY-CLAY, GRAY, V. FINE TO SILT, V. FIRM.		
45				4 6 7	13		SILTY-CLAY, LT TAN, GRAY, ORANGE, BROWN (MOTTLED) FINE TO SILT, V. FIRM.		LS FRAG. @ 44.5' BLS
50									
5									
0									

PROJECT

NUMBER: 99.0331.007

NAME: ENTERPRISE ROAD LF

CLIENT: ARM

LOCATION: DADE CITY, FL

BORING

GR. ELEV.: ~

DIA-TYPE: ~

DEPTH: 45' BLS

DATE STARTED: 7-14-03

DATE ENDED:

GROUNDWATER

DEPTH:

TIME:

DATE:

REMARKS:

DRILLING

RIG TYPE: CME 45

CREW: UES

SUPERVISOR: LEROY P

PIEZ/WELL

CASING DIAM.:

CASING TYPE:

CASING DEPTH:

SCREEN DEPTH:

SCREEN LENGTH:

FILTER PACK:

RISER HEIGHT ALS:

T.O.C. ELEV.:

REMARKS

ATTACHMENT B

ATTACHMENT C

UNIVERSAL
ENGINEERING SCIENCES

MONITOR WELL
INSTALLATION AND ABANDONMENT
Proposed Dade City Class III Landfill
Dade City, Florida

UES Project No. 80540-001-01

Prepared For:

Angelo's Aggregate Materials
26400 Sherwood Street
Warren, Michigan 48091

Prepared By:

Universal Engineering Sciences, Inc.
9802 Palm River Road
Tampa, Florida 33619
(813) 740-8506

July 31, 2003

UNIVERSAL
ENGINEERING SCIENCES
Consultants in: Geotechnical Engineering • Environmental Sciences
Construction Materials Testing • Threshold Inspection • Private Provider Inspections

OFFICES IN:
- Daytona Beach
- DeBary
- Fort Myers
- Gainesville
- Jacksonville
- Ocala
- Orlando
- Rockledge
- Sarasota
- St. Augustine
- Tampa
- West Palm Beach

July 31, 2003

Angelo's Aggregate Materials
26400 Sherwood Street
Warren, Michigan 48091

Attention: Angelo Iafrate

Reference: Monitor Well Installation and Abandonment
Proposed Dade City Class III Landfill
Dade City, Florida
UES Project No. 80540-001-01

Dear Mr. Iafrate:

Universal Engineering Sciences, Inc. (UES) has completed the installation of groundwater monitor wells and gas probes and the abandonment of piezometers at the referenced property.

MONITOR WELL INSTALLATION

A total of 9 monitor wells were installed at the site from May 8, 2003 through July 15, 2003. The well construction details for these 9 wells are summarized in Table 1. The Southwest Florida Water Management District (SWFWMD) permits, the Boring Logs and the Well Completion Logs are presented in Appendix A. It should be noted that monitor well MW-5B was installed by Environmental Drilling Services, Inc., while the remaining monitor wells and gas probes were installed by UES.

Table 1
Monitor Well Construction Details

Monitor Well No.	Total Depth (ft. below land surface)	Screen Interval (ft. below land surface)	Slot Size (inches)	Filter Pack (Silica Sand)	Seal Type (Silica Sand)	Sump/ tailpipe length (feet)	Stick-Up Length (feet)
MW-1	53.0	30.0 - 50.0	0.010	20/30	30/65	3.0	3.0
MW-5A	27.5	4.5 - 24.5	0.006	30/65	60/45	3.0	3.0
MW-5B	48.0	35.0 - 45.0	0.006	30/65	60/45	3.0	3.0
MW-6	27.5	4.5 - 24.5	0.006	30/65	60/45	3.0	3.0
MW-7	34.5	11.5 - 31.5	0.006	30/65	60/45	3.0	3.0
MW-8	24.5	4.5 - 24.5	0.006	30/65	60/45	0	3.0
MW-9	32.0	17.0 - 32.0	0.006	30/65	60/45	0	3.0
MW-10A	34.5	19.5 - 34.5	0.006	30/65	60/45	0	3.0
MW-11	39.5	16.5 - 36.5	0.006	30/65	60/45	3.0	3.0

GAS PROBE INSTALLATION

Gas probes GP-9 through GP-14 were installed at the site on June 17, 2003. Gas probe GP-9 was installed to a depth of 15 feet below land surface (bls) and was constructed with a 13-foot screen length. The remaining gas probes, GP-10 through GP-14, were installed to a depth of 20 feet bls with an 18 foot screen length. The SWFWMD permits and the Gas Probe Completion Logs are presented in Appendix B.

PIEZOMETER ABANDOMENT

On July 15, 17 and 30, 2003 UES abandoned a total of seven piezometers at the site. The piezometers were properly abandoned by filling the piezometers from bottom to top with neat cement grout. The piezometer abandonment details are summarized in Table 2. The SWFWMD permits are presented in Appendix C.

Table 2
Piezometer Abandonment Details

Piezometer No.	Measured Depth (feet below top of casing)	Date	50-lb. Bags of Neat Cement Grout
P-3	65	7/17/03	2.5
P-3A	46	7/17/03	2.5
P-3B	28	7/17/03	2
P-5	39	7/30/03	3
P-7	45	7/15/03	2
P-9	77	7/17/03	2
P-13	62	7/17/03	2

We appreciate the opportunity to offer our services to Angelo's Aggregate Materials and Hartman & Associates, Inc. If you should you have any questions or require additional information, please contact our office at (813) 740-8506

Respectfully submitted,

UNIVERSAL ENGINEERING SCIENCES, INC.

Scott D. Graf, P.G.
Environmental Services Manager

SDG:lmp

Attachments: Appendix A - Monitor Well Construction Documentation
Appendix B - Gas Probe Construction Documentation
Appendix C - Piezometer Abandonment Documentation

APPENDIX A

STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL

☒ Southwest
☐ Northwest
☐ St. Johns River
☐ South Florida
☐ Suwannee River

CHECK BOX FOR APPROPRIATE DISTRICT. ADDRESS ON BACK OF PERMIT FORM.

THIS FORM *MUST* BE FILLED OUT COMPLETELY.

The water well contractor is responsible for completing this form and forwarding the permit to the appropriate delegated county where applicable.

.05

Permit No. 684392.04
Florida Unique I.D. ______
Permit Stipulations Required (See attached) 23, 39
62-524 well ☐
CUP/WUP Application No. ______

ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. ANGELOS AGGREGATE MATERIALS 26400 SHERWOOD ST. WARREN MI 48091 (586) 427-4600
Owner, Legal Name of Entity if Corporation / Address / City / Zip / Telephone Number

2. NW CORNER ENTERPRISE ROAD & AUTON ROAD, DADE CITY
Well Location Address, Road Name or Number, City

FRANCIS XAVIER HARRINGTON 7262 (407) 423-0504
Well Drilling Contractor / License No. / Telephone No.

3532 MAGGIE BLVD. # 9
Address

ORLANDO FL ~~32809~~ 32811
City / State / Zip

4. NW 1/4 of NW 1/4 of Section 8
(smallest) (biggest)
(Indicate Well on Chart)

NW	NE
X	

SW SE

5. Township 25 Range 22

PASCO | N/A | N/A | N/A | N/A
County / Subdivision Name / Lot / Block / Unit

7. Number of proposed wells 4 Check the use of well: (See back of permit for additional choices) ______ Domestic Monitor (type) GROUNDWATER

______ Irrigation (type) (See Back) Public Water Supply (type) ______ (See Back) List Other ______

Distance from septic system N/A ft. Description of facility LANDFILL Estimated start of construction date 5/8/03

Application for: X New Construction ______ Repair/Modify ______ Abandonment ______
(Reason for Abandonment)

Southwest Florida Water Management District
Received
MAY 7 2003
RRD-TAMPA

9. Estimated: Well Depth 40'-55' Casing Depth 0-32' Screen Interval from 25' to 55'
Casing Material: Blk-Steel / Gal / [✓ PVC] Casing Diameter 2 INCH Seal Material SAND 20/30 OR 30/65

10. If applicable: Proposed Grouting Interval
From 0 to 23' Seal Material NEAT CEMENT
From ______ to ______ Seal Material ______
From ______ to ______ Seal Material ______

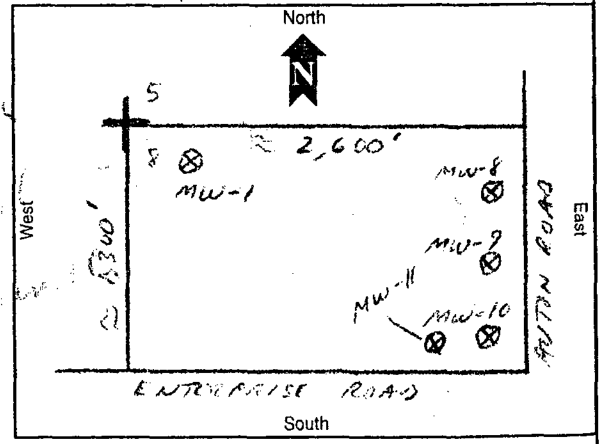
11. Telescope Casing ______ or Liner ______ (check one) Diameter ______
Blk-Steel / Galvanized / PVC Other (specify: ______

Method of Construction: X Rotary ______ Cable Tool ______ Combination
______ Auger ______ Other (specify:) ______)

Indicate total No. of wells on site 5. List number of unused wells on site ______.

14. Is this well or any other well or water withdrawal on the owner's contiguous property covered under a Consumptive/Water Use Permit (CUP/WUP) or CUP/WUP Application? ___No ___Yes
(If yes, complete the following) CUP/WUP No. ______
District well I.D. No. ______
Latitude ______ Longitude ______
Data obtained from GPS ____ or map ____ or survey ____ (*map datum NAD 27*____ NAD 83____)

Draw a map of well location and indicate well site with an "X". Identify known roads and landmarks; provide distances between well and landmarks.



15. I hereby certify that I will comply with the applicable rules of Title 40, Florida Administrative Code, and that a water use permit or artificial recharge permit, if needed, has been or will be obtained prior to commencement of well construction. I further certify that all information provided on this application is accurate and that I will obtain necessary approval from other federal, state, or local governments, if applicable. I agree to provide a well completion report to the District within 30 days after drilling or the permit expiration, whichever occurs first.

Francis Xavier Harrington 7262
Signature of Contractor / License No.

I certify that I am the owner of the property, that the information provided is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes, to maintain or properly abandon this well; or, I certify that I am the agent for the owner, that the information provided is accurate, and that I have informed the owner of his responsibilities as stated above. Owner consents to personnel of the WMD or a representative access to the well site.

AS AGENT 5/7/03
Owner's or Agent's Signature / Date

DO NOT WRITE BELOW THIS LINE — FOR OFFICIAL USE ONLY

Approval Granted By: William Lemmer Issue Date: 5-8-03 Hydrologist Approval ______ Initials

Owner Number: 211593 Fee Received: $ 50. Receipt No.: 2412A Check No.: cash

THIS PERMIT NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD. IT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL DRILLING OPERATIONS. ***This permit is valid for 90 days from date of issue.***

WHITE: ORIGINAL FILE
YELLOW: DRILLING CONTRACTOR
PINK: OWNER

FORM 41.10 — 410 (1) REV. 4/95

S[illegible]L BORING LOG - 18" DRIVE

NIVERSAL ENGINEERING SCIENCES, INC.
4 Breckenridge Parkway, Suite E
ampa, Florida 33610
hn: (813) 740-8506 Fax: (813) 740-8706

Boring #: MW 1
Sheet #: ONE of 2
Date Started: 4-7-03
Date Finished: 4-7-03
Driller: LPrince
Total Depth: 60'

roject Name: Dade city LF
ng Location: Staked by Client
emarks: Nat Backfill

Water Table Depth:1st 5 Date: 4-8-03
Water Table Depth:2nd ______ Date: ______
Casing Length: ______ Type: ______
Boring Caved @ 27'

epth (ft.)	Blows per 6" Increment	N value (bpf)	Sample No.	Soil Description
	2-3-4	7	1	DRK BR SD w/ROOTS
				-2.0'
5	2-1-1	2	2	orange br sd w/silt.
10	2-1-3	4	3	
15	2-2-3	5	4	S.A.B
20	2-4-4	8	5	
25	4-6-6	12	6	S.P.B.
30	5-6-8	14	7	

SOIL BORING LOG - 18" DRIVE

NIVERSAL ENGINEERING SCIENCES, INC.
04 Breckenridge Parkway, Suite E
Tampa, Florida 33610

Boring #: MW1 Sheet #: 2 of 2

Casing Length: ______ Type: ______

marks: Dade city LF

Depth (ft.)	Blows per 6" Increment	N value (bpf)	Sample No.		Soil Description
35	5-5-7	12	8		SDB
40	4-6-8	14	9		
45	7-9-11	20	10		
50	6-9-11	26	11		SDB
55	8-11-17	28	12		
60	10-12-19	31	13		SAB.

60.0' EOB

UNIVERSAL ENGINEERING SCIENCES
WELL COMPLETION LOG

PROJECT NO.: 80540-001-01

REPORT NO.:

DATE: 7/30/03

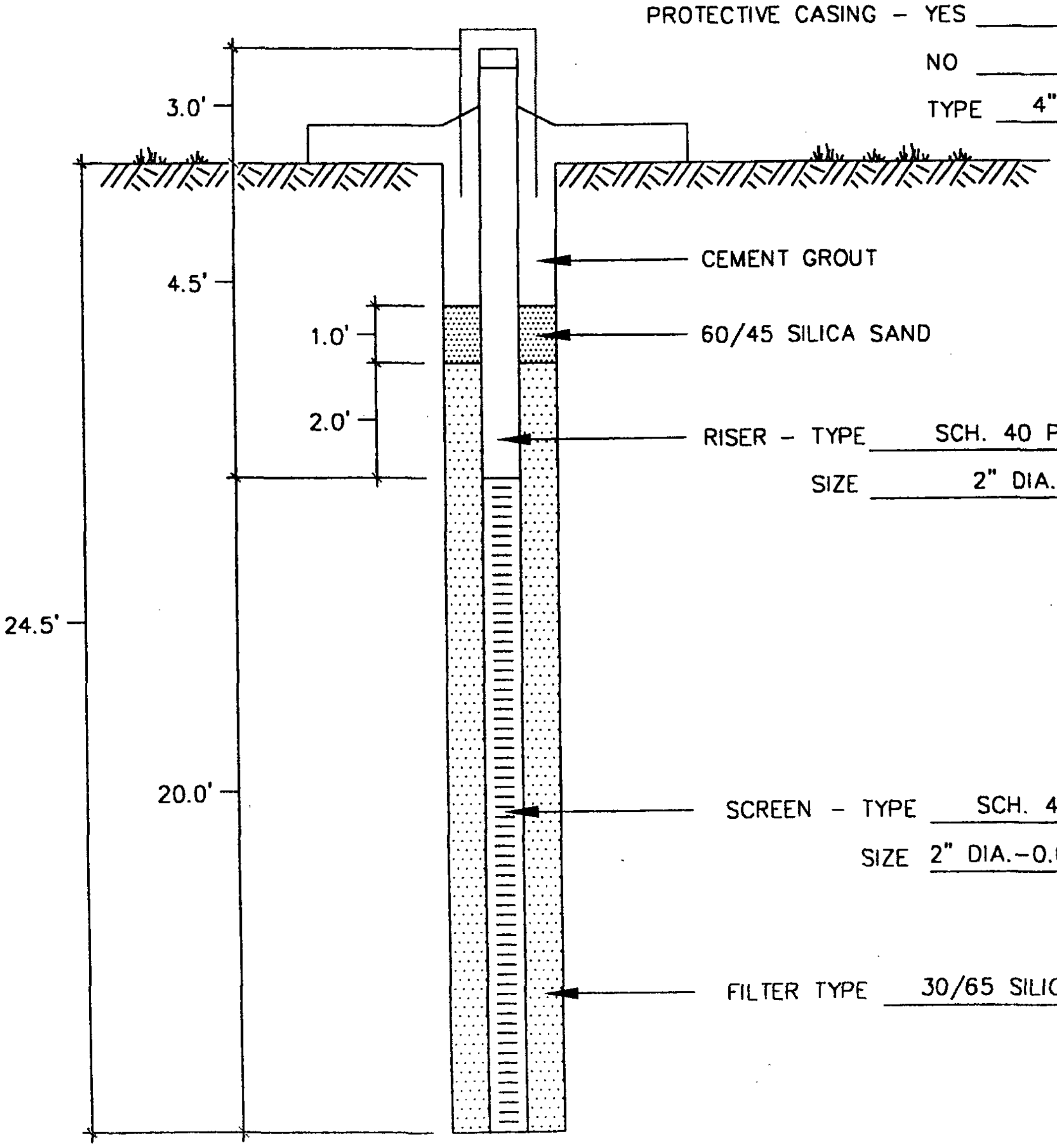
PROJECT: PROPOSED DADE CITY CLASS III LANDFILL

CLIENT: HARTMAN & ASSOCIATES, INC.   DATE: 5/8/03

WELL NUMBER: MW-8   LOCATION: 5' WEST OF SURVEY STAKE

INSTALLED BY: L. PRINCE - UES TAMPA

WELL DIAGRAM - NOT TO SCALE



PROTECTIVE CASING - YES X

NO

TYPE 4" STEEL

RISER - TYPE SCH. 40 PVC

SIZE 2" DIA.

SCREEN - TYPE SCH. 40 PVC

SIZE 2" DIA.-0.006" SLOT

FILTER TYPE 30/65 SILICA SAND

SOIL BORING LOG - 18" DRIVE

VERSAL ENGINEERING SCIENCES, INC.
4 Breckenridge Parkway, Suite E
ampa, Florida 33610
: (813) 740-8506 Fax: (813) 740-8706

Boring #: MW 8
Sheet #: ONE of 2
Date Started: 4/4/03
Date Finished: 4/7/03
Driller: UPRINCE
Total Depth: 45'

roject Name: Dade City LF
ng Location: STAKED by Client.
emarks: TH BAG cement (2)

Water Table Depth:1st 23.5' Date: 4/8
Water Table Depth:2nd Date:
Casing Length: Type:

epth (ft.)	Blows per 6" Increment	N value (bpf)	Sample No.	Soil Description
	1-1-2	3	1	DRK BR/BK SAND w/ROOTS
5	WOFH 12" 1	1	2	ORANGE brn clayey SD
				— 7.5'
10	6-8-14	22	3	ORANGE W/LT GREY clayey sand
				— 12.0'
15	6-8-11	19	4	LT GREY w/ yell BR SANDY CLAY
				— 17.5'
20	2-5-7	12	5	LT yell w/LT BR SILTY CLAYS
25	2-5-11	16	6	
				— 27.5
30	2-5-7	12	7	LT GREY/yell br SANDY CLAY

SOIL BORING LOG - 18" DRIVE

IVERSAL ENGINEERING SCIENCES, INC.
04 Breckenridge Parkway, Suite E
ampa, Florida 33610

Boring #: MW8 Sheet #: 2 of 2

Casing Length: ____________ Type: ____________

marks: Dade city LF

Depth (ft.)	Blows per 6" Increment	N value (bpf)	Sample No.	Soil Description
				-32.0'
35	2-2-4	6	8	LT Grey w/ yell br clayey sd / sandy clay w/ DK BR cement sands.
				-37.5'
40	WOF ROD 18"	0	9	mixed yell br, LT BR & Grey clayey silt sand
45	WOF ROD 18"	0	10	45.0' EOB
50				
55				
60				

UNIVERSAL ENGINEERING SCIENCES
WELL COMPLETION LOG

PROJECT NO.: 80540-001-01
REPORT NO.:
DATE: 7/30/03

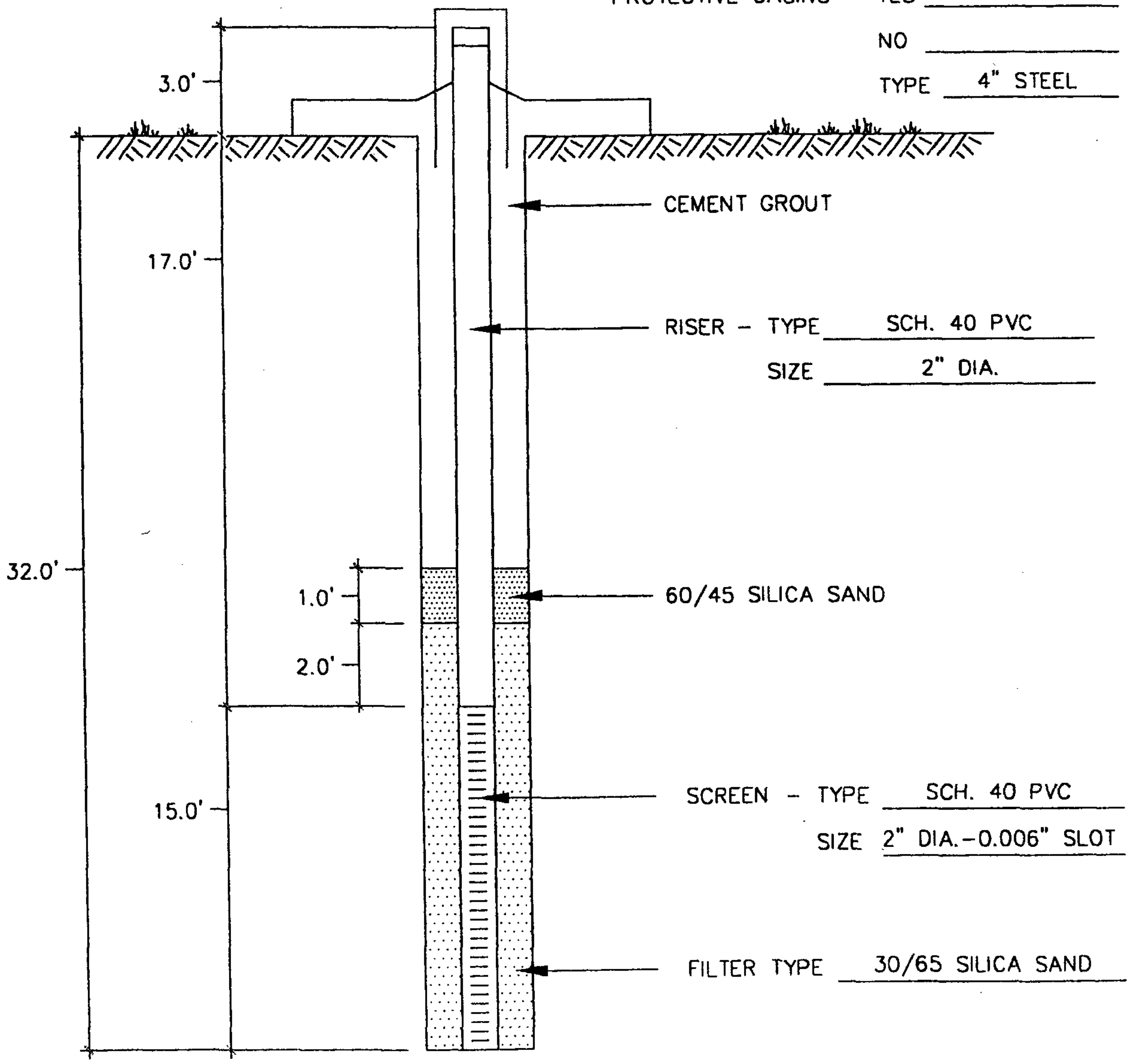
PROJECT: PROPOSED DADE CITY CLASS III LANDFILL

CLIENT: HARTMAN & ASSOCIATES, INC.
DATE: 5/9/03

WELL NUMBER: MW-9
LOCATION: AT SURVEY STAKE

INSTALLED BY: L. PRINCE – UES TAMPA

WELL DIAGRAM – NOT TO SCALE



PROTECTIVE CASING – YES X
NO
TYPE 4" STEEL

RISER – TYPE SCH. 40 PVC
SIZE 2" DIA.

SCREEN – TYPE SCH. 40 PVC
SIZE 2" DIA.-0.006" SLOT

FILTER TYPE 30/65 SILICA SAND

SOIL BORING LOG - 18" DRIVE

VERSAL ENGINEERING SCIENCES, INC.
Breckenridge Parkway, Suite E
ampa, Florida 33610
(813) 740-8506 Fax: (813) 740-8706

Boring #: mw 9
Sheet #: ONE of 2
Date Started: 4-7-03
Date Finished: 4-7-03
Driller: C PRINCE
Total Depth: 45'

ect Name: Dade city LF,
g Location: STAKED by CLIENT
emarks: BACKFILL w/ LIMEROCK & 4 bag cement.

Water Table Depth: 1st 37' Date: 4-8
Water Table Depth: 2nd Date:
Casing Length: Type:

pth (ft.)	Blows per 6" Increment	N value (bpf)	Sample No.	Soil Description
	1-2-3	5	1	DRK GRAY BR SAND & ROOTS
				-2.0'
5	1-2-1	3	2	ORANGE BR SAND w/ SILTS
				-8.5'
10	5-8-12	20	3	LT BR w/ yell br clayey sand.
15	5-6-9	15	4	
				-17.0'
20	2-3-5	8	5	LT BR SANDY CLAY
				-21.5'
25	3-4-5	9	6	LT BR SANDY CL w/ DRK BR cem. SANDS
				-27.0'
30	4-7-12	19	7	LT BR / Lt BR clayey SA/SANDY CL w cem. SANDS.

SOIL BORING LOG - 18" DRIVE

IVERSAL ENGINEERING SCIENCES, INC.
804 Breckenridge Parkway, Suite E
Tampa, Florida 33610

Boring #: MW9 Sheet #: 2 of 2

Casing Length: ____________ Type: ____________

marks: Dade city LF

Depth (ft.)	Blows per 6" Increment	N value (bpf)	Sample No.	Soil Description
				— 33.0'
35	3-4-6	10	8	yell w/ Lt Br Silty Sand
				— 37.0'
40	2-2-2	4	9	yellish Br w/ Lt Br clayey silty sand
				— 41.5' (Total Loss of H2O)
45	4-50/4"	50/4"	10	Very Lt Br Sandy Limerock
				45.0' EOB
50				
55				
60				

UNIVERSAL ENGINEERING SCIENCES
WELL COMPLETION LOG

PROJECT NO.: 80540-001-01

REPORT NO.:

DATE: 7/30/03

PROJECT: PROPOSED DADE CITY CLASS III LANDFILL

CLIENT: HARTMAN & ASSOCIATES, INC.

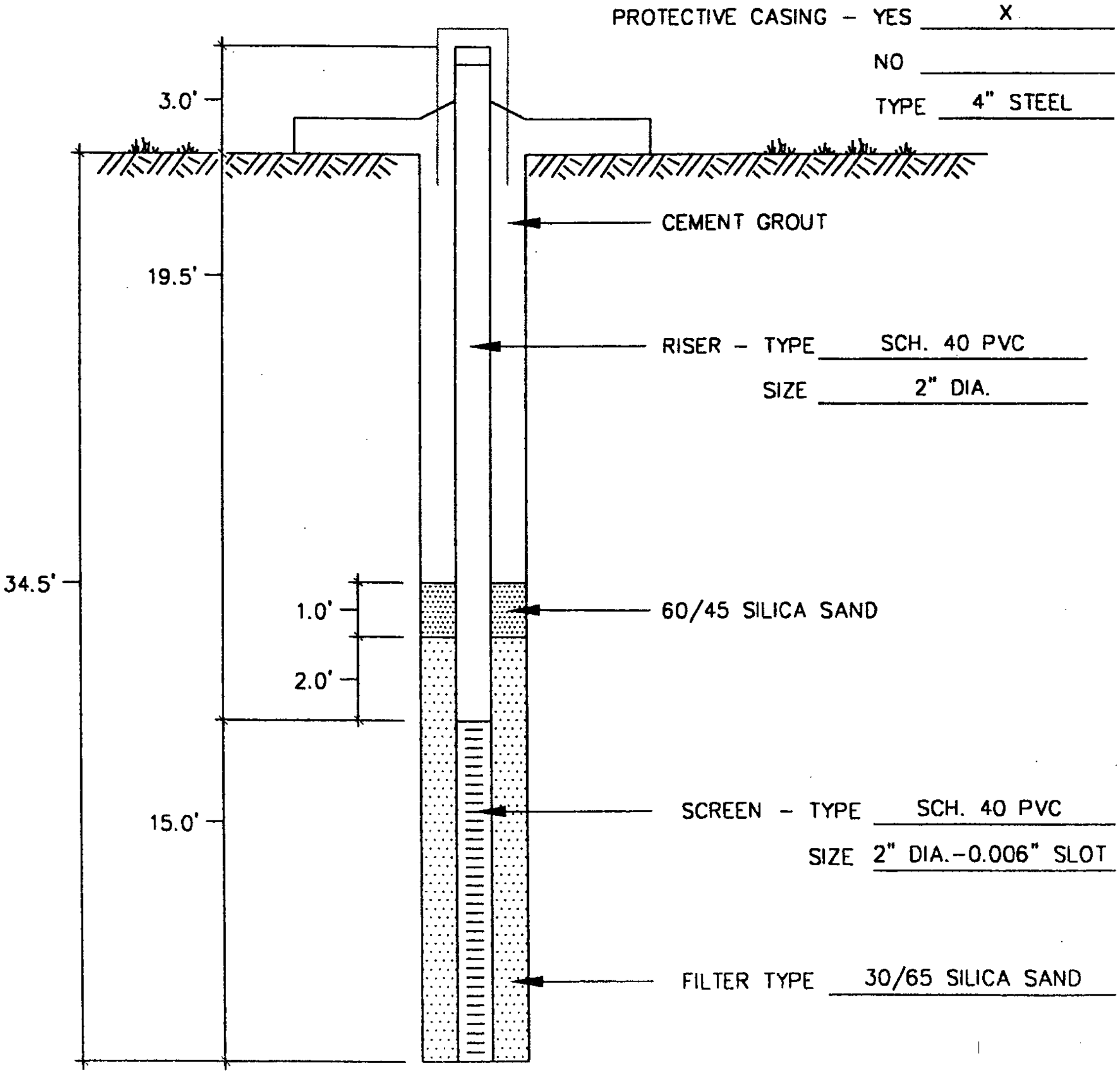
DATE: 6/28/03

WELL NUMBER: MW-10A

LOCATION: AT SURVEY STAKE

INSTALLED BY: L. PRINCE - UES TAMPA

WELL DIAGRAM - NOT TO SCALE



PROTECTIVE CASING - YES X

NO

TYPE 4" STEEL

RISER - TYPE SCH. 40 PVC

SIZE 2" DIA.

SCREEN - TYPE SCH. 40 PVC

SIZE 2" DIA.-0.006" SLOT

FILTER TYPE 30/65 SILICA SAND

SOIL BORING LOG - 18" DRIVE

VERSAL ENGINEERING SCIENCES, INC.
Breckenridge Parkway, Suite E
ampa, Florida 33610
(813) 740-8506 Fax: (813) 740-8706

Boring #: MW 10
Sheet #: ONE of 2
Date Started: 4-7-03
Date Finished: 4-7-03
Driller: C Prince
Total Depth: 43.5'

ect Name: Dade City LF
g Location: Stated by Client
emarks: TH. GROUTED w/ 2 bags cement

Water Table Depth: 1st 22' Date: 4/8
Water Table Depth: 2nd ______ Date: ______
Casing Length: ______ Type: ______

pth (ft.)	Blows per 6" Increment	N value (bpf)	Sample No.	Soil Description
	1-2-3	5	1	Grey BR SD w/ROOTS
				-2.0'
5	2-2-2	4	2	Orange br silty Sand
				-6.0'
10	5-6-9	15	3	LT BR/yell/br clayey SD/sandy clays
15	2-4-5	9	4	
				-18.0'
20	6-7-10	17	5	orange br SP w/silts
				-21.5'
25	3-4-6	10	6	LT BR/BR silty clay
30	3-5-6	11	7	

SOIL BORING LOG - 18" DRIVE

UNIVERSAL ENGINEERING SCIENCES, INC.
5604 Breckenridge Parkway, Suite E
Tampa, Florida 33610

Boring #: MW10 Sheet #: 2 of 2

Casing Length: ____________ Type: ____________

Remarks: Dade city LF

Depth (ft.)	Blows per 6" Increment	N value (bpf)	Sample No.	Soil Description
				— 32.0'
	5-7-10	17	8	LT Grey w/ yell BR & TRACE of
35				DRK BR clay SA (SANDY CL.
40	3-4-5	9	9	
				— 41.0' HARD
	15-16-13	29	10	LT BR w/ yell br clay silt SA w/ Limerock (weathered)
45				43.5' EOB
50				
5				
0				

UNIVERSAL ENGINEERING SCIENCES
WELL COMPLETION LOG

PROJECT NO.: 80540-001-01
REPORT NO.:
DATE: 7/30/03

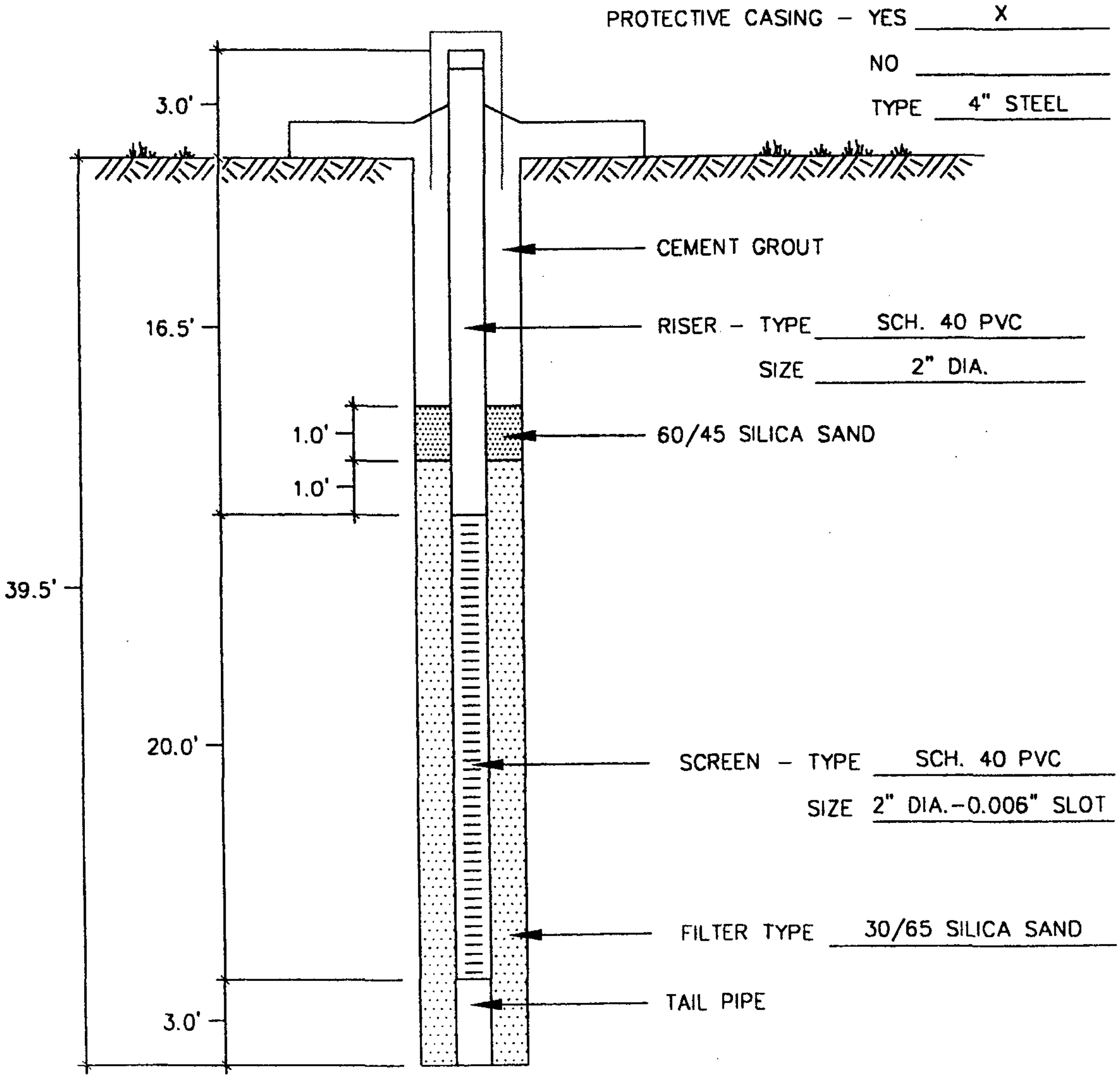
PROJECT: PROPOSED DADE CITY CLASS III LANDFILL

CLIENT: HARTMAN & ASSOCIATES, INC. DATE: 7/15/03

WELL NUMBER: MW-11 LOCATION: AT SURVEY STAKE

INSTALLED BY: L. PRINCE - UES TAMPA

WELL DIAGRAM - NOT TO SCALE



PROTECTIVE CASING - YES X
NO
TYPE 4" STEEL

RISER - TYPE SCH. 40 PVC
SIZE 2" DIA.

SCREEN - TYPE SCH. 40 PVC
SIZE 2" DIA.-0.006" SLOT

FILTER TYPE 30/65 SILICA SAND

SOIL BORING LOG - 18" DRIVE

NIVERSAL ENGINEERING SCIENCES, INC.
04 Breckenridge Parkway, Suite E
Tampa, Florida 33610
n: (813) 740-8506 Fax: (813) 740-8706

Boring #: 11
Sheet #: ONE of 2
Date Started: 7/14/03
Date Finished: 7/14/03
Driller: VPence
Total Depth: 45'

oject Name: Dade city Landfill MW 11
ring Location: 7'N of Stake
Remarks: TH GROUTED w/ 2bag Cement

Water Table Depth:1st N/A Date:
Water Table Depth:2nd Date:
Casing Length: Type:

Depth (ft.)	Blows per 6" Increment	N value (bpf)	Sample No.	Soil Description
5	1-2-2	4	①	ORANGE BR Silty Sand
				-7.5'
10	3-5-6	11	2	LT BR w/ yell br clay Sand
				-12.5'
15	7-9-12	21	3	ORANGE BR/LT BR Silty Sand
				-17.5'
20	4-7-13	20	4	very LT BR clay Sand
				-22.5'
25	6-8-13	21	5	yell br w/ LT Br Silty Sand
				-27.5'
30	5-6-7	13	6	very LT BR Silty Sand

SOIL BORING LOG - 18" DRIVE

IVERSAL ENGINEERING SCIENCES, INC.
04 Breckenridge Parkway, Suite E
Tampa, Florida 33610

Boring #: ~~MW~~ 11 Sheet #: 2 of ____

Casing Length: ________ Type: ________

marks: Dade city landfill MW 11

Depth (ft.)	Blows per 6" Increment	N value (bpf)	Sample No.	Soil Description
				—33.5'
35	7-8-8	16	7	Very LT BR w/ LT Grey Sand
				—37.5'
40	2-3-5	8	8	LT Grey clayey Sand
				—42.0
45	4-6-7	13	9 10	LT Grey / DRK BRn / LT BR Sandy CL w/ LT BR w/ yell br weathered limerock
				45.0' EOR
50				
5				
0				

STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL

☒ Southwest
☐ Northwest
☐ St. Johns River
☐ South Florida
☐ Suwannee River

CHECK BOX FOR APPROPRIATE DISTRICT. ADDRESS ON BACK OF PERMIT FORM.

THIS FORM *MUST* BE FILLED OUT COMPLETELY.

The water well contractor is responsible for completing this form and forwarding the permit to the appropriate delegated county where applicable.

Permit No. 684395.04
Florida Unique I.D.
Permit Stipulations Required (See attached) 23, 39
62-524 Well ☐
CUP/WUP Application No.

ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. ANGELOS AGGREGATE MATERIALS 26400 SHERWOOD ST. WARREN MI 48091 (586) 497-4600
Owner, Legal Name of Entity if Corporation | Address | City | Zip | Telephone Number

2. NW CORNER ENTERPRISE ROAD & ALTON ROAD DADE CITY
Well Location Address, Road Name or Number, City

FRANCIS XAVIER HARRINGTON 7262 (407) 423-0504
Well Drilling Contractor | License No. | Telephone No.

3532 MAGGIE BLVD.
Address

ORLANDO FL ~~32837~~ 32811
City | State | Zip

4. SW 1/4 of SW 1/4 of Section 5 (smallest) (biggest) (Indicate Well on Chart)

5. Township 25 Range 22

NW			NE
X			
SW			SE

PASCO | n/a | n/a | n/a | n/a
County | Subdivision Name | Lot | Block | Unit

7. Number of proposed wells 4 Check the use of well: (See back of permit for additional choices) ______ Domestic Monitor (type) GROUNDWATER

______ Irrigation (type) (See Back) Public Water Supply (type) ______ (See Back) List Other ______

Distance from septic system N/A ft. Description of facility N/A Estimated start of construction date 5/8/03

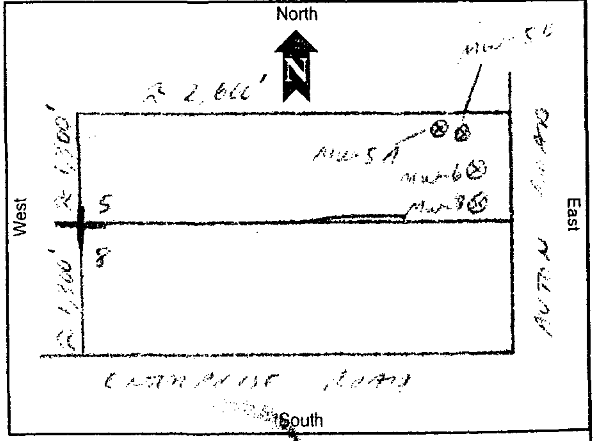
Application for: X New Construction ______ Repair/Modify ______ Abandonment ______ (Reason for Abandonment)

Southwest Florida Water Management District
Date Stamp
Received
MAY 7 2003
RRD-TAMPA

9. Estimated: Well Depth 30'-55' Casing Depth 0-75' Screen Interval from 5' to 55'
Casing Material: Blk-Steel / Gal / [✓ PVC] Casing Diameter 2 INCH Seal Material SAND 20/30 OR 30/65

10. If applicable: Proposed Grouting Interval
From 0 to 8' Seal Material NEAT CEMENT
From 5' to 55' Seal Material SAND 20/30 OR 30/65
From ______ to ______ Seal Material ______

Draw a map of well location and indicate well site with an "X". Identify known roads and landmarks; provide distances between well and landmarks.



11. Telescope Casing _____ or Liner _____ (check one) Diameter ______
Blk-Steel / Galvanized / PVC Other (specify: ______

Method of Construction: X Rotary ______ Cable Tool ______ Combination
______ Auger ______ Other (specify:) ______)

Indicate total No. of wells on site 6. List number of unused wells on site _____.

14. Is this well or any other well or water withdrawal on the owner's contiguous property covered under a Consumptive/Water Use Permit (CUP/WUP) or CUP/WUP Application? ___No ___Yes
(If yes, complete the following) CUP/WUP No. ______
District well I.D. No. ______
Latitude ______ Longitude ______
Data obtained from GPS ___ or map ___ or survey ___ (*map datum NAD 27___ NAD 83___*)

15. I hereby certify that I will comply with the applicable rules of Title 40, Florida Administrative Code, and that a water use permit or artificial recharge permit, if needed, has been or will be obtained prior to commencement of well construction. I further certify that all information provided on this application is accurate and that I will obtain necessary approval from other federal, state, or local governments, if applicable. I agree to provide a well completion report to the District within 30 days after drilling or the permit expiration, whichever occurs first.

Francis Xavier Harrington 7262
Signature of Contractor | License No.

I certify that I am the owner of the property, that the information provided is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes, to maintain or properly abandon this well; or, *I certify that I am* the agent for the owner, that the information provided is accurate, and that I have informed the owner of his responsibilities as stated above. Owner consents to personnel of the WMD or a representative access to the well site.

AS AGENT 5/7/03
Owner's or Agent's Signature | Date

DO NOT WRITE BELOW THIS LINE — FOR OFFICIAL USE ONLY

Approval Granted By: William Issue Date: 5-8-03 Hydrologist Approval ______ Initials
Owner Number: 211573 Fee Received: $ 50. Receipt No.: 2412 A Check No.: cash

THIS PERMIT NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD. IT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL DRILLING OPERATIONS. ***This permit is valid for 90 days from date of issue.***

WHITE: ORIGINAL FILE
YELLOW: DRILLING CONTRACTOR
PINK: OWNER

FORM 41.10 — 410 (1) REV. 4/95

UNIVERSAL ENGINEERING SCIENCES
WELL COMPLETION LOG

PROJECT NO.: 80540-001-01
REPORT NO.:
DATE: 7/30/03

PROJECT: PROPOSED DADE CITY CLASS III LANDFILL

CLIENT: HARTMAN & ASSOCIATES, INC.

DATE: MW-5A - 5/8/03
MW-6 - 5/9/03

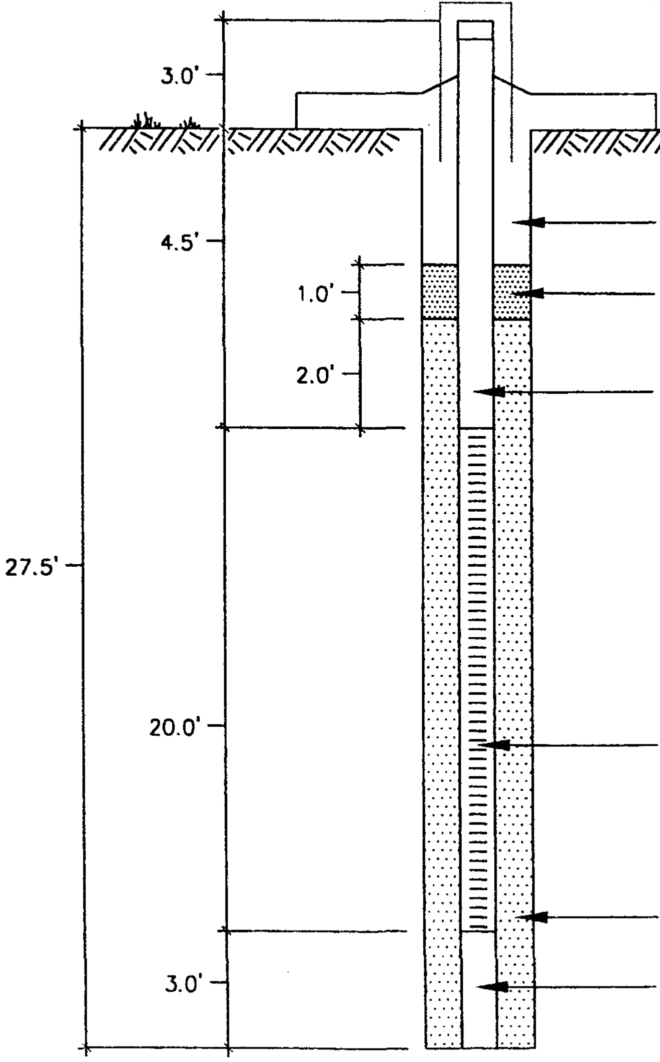
WELL NUMBER: MW-5A, MW-6

LOCATION: AT SURVEY STAKE

INSTALLED BY: L. PRINCE - UES TAMPA

WELL DIAGRAM - NOT TO SCALE

PROTECTIVE CASING - YES X
NO
TYPE 4" STEEL



CEMENT GROUT

60/45 SILICA SAND

RISER - TYPE SCH. 40 PVC
SIZE 2" DIA.

SCREEN - TYPE SCH. 40 PVC
SIZE 2" DIA.-0.006" SLOT

FILTER TYPE 30/65 SILICA SAND

TAIL PIPE

SOIL BORING LOG - 18" DRIVE

N VERSAL ENGINEERING SCIENCES, INC.
Breckenridge Parkway, Suite E
ampa, Florida 33610
h (813) 740-8506 Fax: (813) 740-8706

Boring #: MW 5A
Sheet #: ONE of ~~2~~ 4
Date Started: 4/3/03
Date Finished: 4/4/03
Driller: UPRINCE
Total Depth: 95'

ct Name: Dade City LF
g Location: Staked by Client
emarks: BACKFill w/ Limerock & bags cement
Water Table Depth: 1st 6'5" Date: 4/7
Water Table Depth: 2nd Date:
Casing Length: Type:

pth (ft.)	Blows per 6" Increment	N value (bpf)	Sample No.	Soil Description
	1-2-5	7	1	DRK BR SAND w/ ROOTS
				— 2.5'
5	1-1-1	2	2	Lt. Grey SAND.
				— 8.0'
10	3-3-3	6	3	orange br w/ LT Grey clayey sand
				— 12.5'
15	2-3-5	8	4	LT Grey w/ orange silty sand
				— 17.0'
20	3-5-10	15	5	LT Grey w/ yell br clayey sand
				— 22.0'
25	3-5-7	12	6	2 samples LT Grey w/ yell br sandy CL
				— 27.5
30	2-3-5	8	7	Very Lt Br w/ yell br silty clay

SOIL BORING LOG - 18" DRIVE

IVERSAL ENGINEERING SCIENCES, INC.
804 Breckenridge Parkway, Suite E
Tampa, Florida 33610

Boring #: MW 5A Sheet #: 2 of 4

Casing Length: ____________ Type: ____________

marks: Dade city LF

Depth (ft.)	Blows per 6" Increment	N value (bpf)	Sample No.	Soil Description
				—33.5'
35	3-4-6	10	8	LT Grey BR w/ yell br sandy CL.
				— 37.0'
40	3-3.4	7	9	
				LT BR, yell br sandy CL w/ Layers of Limerock —42.5'
45	2-3-4	7	10	Orange w/ LT Grey Clay Silt-Sand
50	2-4.-5	9	11	
				—52.0' Total Loss of Circulation
55	3-4-5	9	12	Reddish/Orange BR Silt-SA
				w/ Cement sands-
60	1-3-2	5	13	

SOIL BORING LOG - 18" DRIVE

IVERSAL ENGINEERING SCIENCES, INC.
04 Breckenridge Parkway, Suite B
Tampa, Florida 33610

Boring #: MW 5A Sheet #: 3 of 4

Casing Length: ____________ Type: ____________

marks: Dade city LF

Depth (ft.)	Blows per 6" Increment	N value (bpf)	Sample No.	Soil Description
65	2-2-3	5	14	—62.5' ORANGE BR Clay SILT
70	1-1-2	3	15	— 68.0' Very LT. Sandy LIMESTONE w/ Layer
75	2-2-4	6	16	OF ORANGE BR Silty Clays —73.0' LT BRN/yell brn Silty Clay
80	3-2-4	6	17	w/ TRACES OF Limestone
85	WofH 6"-2-4	6	18	
90	WofH 6"-3-2	5	19	

SOIL BORING LOG - 18" DRIVE

IVERSAL ENGINEERING SCIENCES, INC.
04 Breckenridge Parkway, Suite E
ampa, Florida 33610

Boring #: mw 5A Sheet #: 4 of 4

Casing Length: ____________ Type: ___________

marks: Dode city LF

Depth (ft.)	Blows per 6" Increment	N value (bpf)	Sample No.	Soil Description
				-93.5'
95	1-1-1	2	20	orange br silty sd w/ layers of lt grey sands
				95.0' EOB
100				
105				
110				
115				
120				

SOIL BORING LOG - 18" DRIVE

VERSAL ENGINEERING SCIENCES, INC.
04 Breckenridge Parkway, Suite E
ampa, Florida 33610
h (813) 740-8506 Fax: (813) 740-8706

Boring #: MW 6
Sheet #: ONE of 2
Date Started: 4/3/03
Date Finished: 4/3/03
Driller: LPrince
Total Depth: 35'

ct Name: Dade City LF
g Location: Staked by Client
emarks: Backfill w/ Limerock & 2 bags cement

Water Table Depth:1st 10' Date: 4/4/03
Water Table Depth:2nd ______ Date: ______
Casing Length: ______ Type: ______

Depth (ft.)	Blows per 6" Increment	N value (bpf)	Sample No.	Soil Description
	1-2-4	6	1	Grey BR SP (Fill) w/ Roots
				-2.5'
5	1-5-2	7	2	
				yell BR SP w/ SiCGS
				-7.5'
10	3-4-6	10	3	LT Grey w/ yell BR Silty Sand
				-12.0'
15	2-3-5	8	4	LT Grey w/ yell BR sandy CLAY
				(2 sample) w/ Layers of Lt. BR cem. sands
20	4-6-9	15	5	(2 samples)
				-22.0'
25	3-5-5	10	6	mixed Gray/BR clayey-silty sand
30	1-2-3	5	7	

SOIL BORING LOG - 18" DRIVE

IVERSAL ENGINEERING SCIENCES, INC.
5804 Breckenridge Parkway, Suite E
Tampa, Florida 33610

Boring #: MW6 Sheet #: 2 of 2

Casing Length: ____________ Type: ____________

Remarks: Dade City LF

Depth (ft.)	Blows per 6" Increment	N value (bpf)	Sample No.	Soil Description
				34.0' (LOSS CIRCULATION @ 34.0'±)
35	WOFH 6"-1-8	9	8	LT BR/YELL BR WEATHER LimeSTONE W/ LAYER OF LT BR SANDY CLAY. 35.0' EOB
40				
45				
50				
55				
60				

UNIVERSAL ENGINEERING SCIENCES
WELL COMPLETION LOG

PROJECT NO.: 80540-001-01

REPORT NO.:

DATE: 7/30/03

PROJECT: PROPOSED DADE CITY CLASS III LANDFILL

CLIENT: HARTMAN & ASSOCIATES, INC.

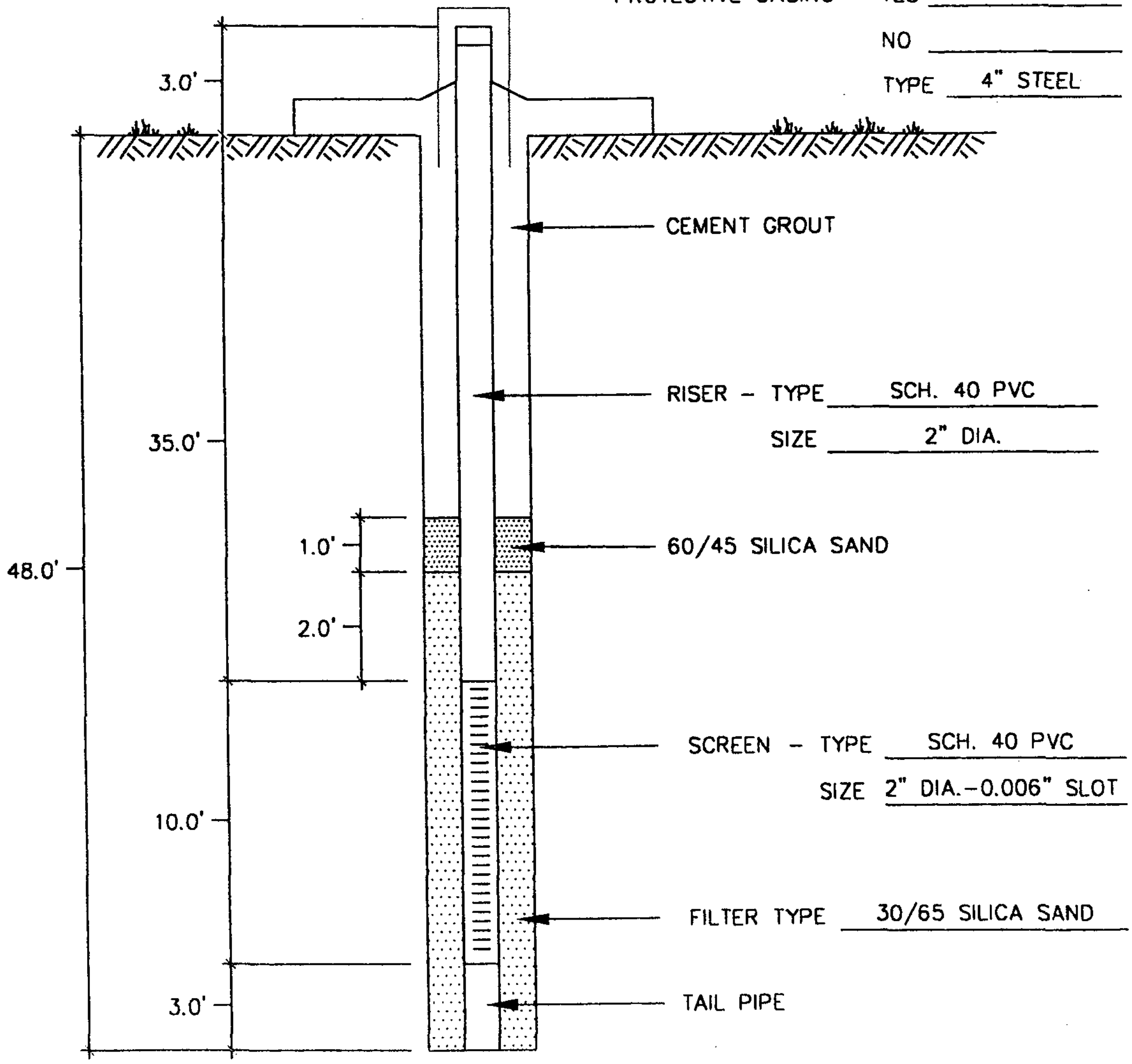
DATE: 6/17/03

WELL NUMBER: MW-5B

LOCATION: AT SURVEY STAKE

INSTALLED BY: ENVIRONMENTAL DRILLING SERVICES

WELL DIAGRAM – NOT TO SCALE



PROTECTIVE CASING – YES X

NO

TYPE 4" STEEL

RISER – TYPE SCH. 40 PVC

SIZE 2" DIA.

SCREEN – TYPE SCH. 40 PVC

SIZE 2" DIA.-0.006" SLOT

FILTER TYPE 30/65 SILICA SAND

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG MCGANCIA

MW-5B | 1 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
5							SAND, FINE, MOD. WELL SORTED, ORANGE-TAN, SMALL AMT OF ORGANICS ↓		
10							SAND, FINE TO SILT, WELL SORTED, ↑ IN CLAY CONTENT ↓		
15							CLAYEY-SAND, ORANGE TAN, FINE TO SILT, FIRM ↓		
20							SANDY-CLAY, ORANGE-TAN, FINE TO SILT, VERY FIRM ↓		
25							SANDY-SILTY-CLAY, TAN-ORANGE, FINE TO SILT, VERY FIRM ↓		
30							LS. FRAGMENTS		

PROJECT

NUMBER: 99.0331-007
NAME: ENTERPRISE RD LANDFILL
CLIENT: A&M
LOCATION: DADE CITY, FL

BORING

GR. ELEV.: ~
DIA-TYPE: 4"|4(IN) 8"(OUT)
DEPTH: 45'
DATE STARTED: 6-17-03
DATE ENDED: 6-17-03

GROUNDWATER

DEPTH: ~13 ft
TIME:
DATE:
REMARKS:

DRILLING

RIG TYPE: BK 81
CREW: EDS
SUPERVISOR: ROGER HUTCHESON

PIEZ/[✓ WELL]

CASING DIAM.: 2"
CASING TYPE: TRILOC PVC
CASING DEPTH: 0-35'
SCREEN DEPTH: 35'-45'
SCREEN LENGTH: 10'
FILTER PACK: 30-65 SAND
RISER HEIGHT ALS: ~3'
T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MGARCIA

MW-5B 2 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
35							SILTY-CLAY, TAN-ORANGE, MOD AMT. OF FRIABLE TO FIRM LIMEROCK FRAGMENTS, SILTY-CLAY IS SEMI-FIRM ↓		
40							↓		
45							SILTY-CLAY, W/ LIMEROCK + LIMESTONE, HARD + FRIABLE PIECES ↓ EOB		
0									
5									
0									

PROJECT

NUMBER: 99.0331.007

NAME: ENTERPRISE RD. LF.

CLIENT: ALM

LOCATION: DADE CITY FL

BORING

GR. ELEV.: ~

DIA-TYPE: 4'14 " [illegible]

DEPTH: 45'

DATE STARTED: 6-17-03

DATE ENDED: 6-17-03

GROUNDWATER

DEPTH: ~13'

TIME:

DATE:

REMARKS:

DRILLING

RIG TYPE: BK 81

CREW: EOS

SUPERVISOR: ROGER HUTCHESON

PIEZ/[✓ WELL]

CASING DIAM.: 2"

CASING TYPE: TRYLOK PVC

CASING DEPTH: 0-35'

SCREEN DEPTH: 34-45'

SCREEN LENGTH: 10'

FILTER PACK: 30-65 SAND

RISER HEIGHT ALS: ~3'

T.O.C. ELEV.:

REMARKS

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants

FIELD BORING LOG

MGARCIA

MW-5B 2 of 2

DEPTH (FT)	SAMPLE NO/TYPE	SAMPLE SYMBOL	SAMPLE % REC.	BLOWS PER 6"	N-VALUE	BORING LOG	MATERIAL DESCRIPTION CLASSIFICATION	WELL	REMARKS
35							SILTY-CLAY, TAN-ORANGE, MOD AMT. OF ~~FRIABLE~~ TO FIRM LIMEROCK FRAGMENTS, SILTY-CLAY IS SEMI-FIRM ↓		
40							↓		
45							SILTY-CLAY, W/ LIMEROCK + LIMESTONE, HARD + FRIABLE PIECES ↓		
0							EOB		
5									
0									

PROJECT

NUMBER: 99.0331.007
NAME: ENTERPRISE RD. LF.
CLIENT: ARM
LOCATION: DADE CITY FL

BORING

GR. ELEV.: ~
DIA-TYPE: 4'14 " LINING
DEPTH: 45'
DATE STARTED: 6-17-03
DATE ENDED: 6-17-03

GROUNDWATER

DEPTH: ~13'
TIME:
DATE:
REMARKS:

DRILLING

RIG TYPE: BK 81
CREW: EOS
SUPERVISOR: ROGER HUTCHESON

PIEZ/[✓ WELL]

CASING DIAM.: 2"
CASING TYPE: TRILOK PVC
CASING DEPTH: 0-35'
SCREEN DEPTH: 34-45'
SCREEN LENGTH: 10'
FILTER PACK: 30-65 SAND
RISER HEIGHT ALS: ~3'
T.O.C. ELEV.:

REMARKS

UNIVERSAL ENGINEERING SCIENCES
WELL COMPLETION LOG

PROJECT NO.: 80540-001-01

REPORT NO.:

DATE: 7/30/03

PROJECT: PROPOSED DADE CITY CLASS III LANDFILL

CLIENT: HARTMAN & ASSOCIATES, INC.

DATE: 5/9/03

WELL NUMBER: MW-7

LOCATION: AT SURVEY STAKE

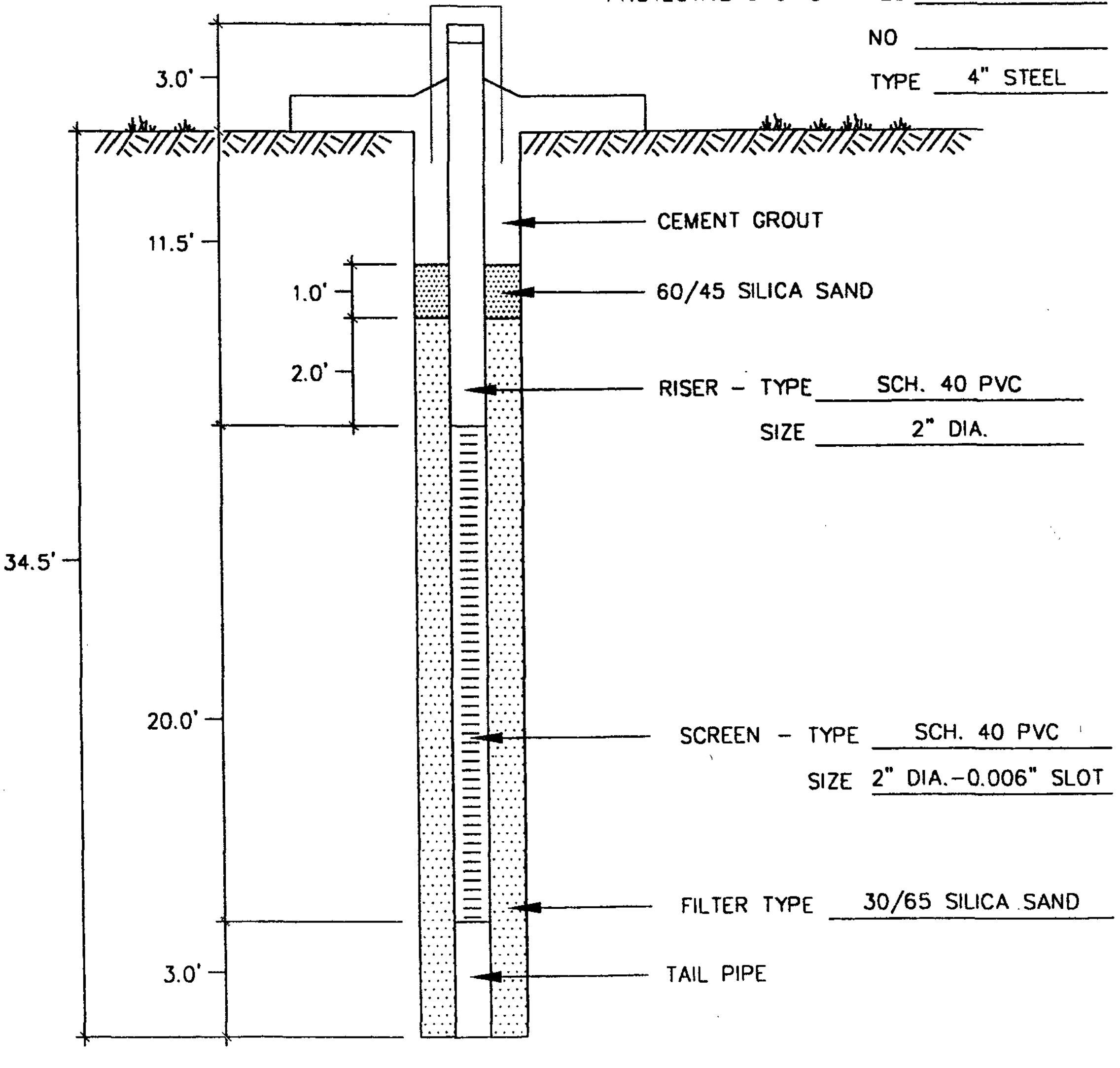
INSTALLED BY: L. PRINCE - UES TAMPA

WELL DIAGRAM - NOT TO SCALE

PROTECTIVE CASING - YES X

NO

TYPE 4" STEEL



L BORING LOG - 18" DRIVE

VERSAL ENGINEERING SCIENCES, INC.
Breckenridge Parkway, Suite E
ampa, Florida 33610
h (813) 740-8506 Fax: (813) 740-8706

Boring #: MW 7
Sheet #: ONE of 1
Date Started: 4/3/03
Date Finished: 4/3/03
Driller: L Prince
Total Depth: 30'

roject Name: Dade City LF
g Location: Staked by Client
emarks: Backfill w/ limerock & 2 bag cement

Water Table Depth: 1st 13'8" Date: 4/4
Water Table Depth: 2nd ______ Date: ______
Casing Length: ______ Type: ______

pth (ft.)	Blows per 6" Increment	N value (bpf)	Sample No.	Soil Description
	1-1-1	2	1	Grey BR sand w/ ROOTS
				—2.5'
5	3-3-3	6	2	Grey w/ orange brn. clay sand
10	2-3-6	9	3	LT Grey w/ yell br sandy clay
				(2 samples)
15	3-4-6	10	4	
				(2 samples)
20	1-2-1	3	5	
				—22.5'
				very lt. br sandy limestone
25	3-2-3	5	6 7	—24.0' LT Grey/yell br clay SA/SA clay
				—26.5'
30	1-1-1	2	8	very lt br sandy limestone

30.0' EOB

APPENDIX B

STATE OF FLO ERMIT APPLICATION TO CONSTRUC
REPAIR, MODIFY, OR ABANDON A WELL

☒ Southwest
☐ Northwest
☐ St. Johns River
☒ South Florida
☐ Suwannee River

CHECK BOX FOR APPROPRIATE DISTRICT. ADDRESS ON BACK OF PERMIT FORM.

THIS FORM *MUST* BE FILLED OUT COMPLETELY.

The water well contractor is responsible for completing this form and forwarding the permit to the appropriate delegated county where applicable.

Permit No. 654394.01
Florida Unique I.D. ____
Permit Stipulations Required (See attached) 23,39
62-524 well ☐
CUP/WUP Application No. ____

ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. [illegible] AGGREGATE MATERIALS 26160 [illegible] ST. [illegible] (736) 527-[illegible]
Owner, Legal Name of Entity if Corporation Address City Zip Telephone Number

2. NW Corner [illegible] Road & [illegible] [illegible] City
Well Location Address, Road Name or Number, City

3. Francis Xavier Harrington 7262 (407) 473-0504
Well Drilling Contractor License No. Telephone No.

3532 [illegible] Blvd.
Address

Orlando FL ~~[illegible]~~ 32[illegible]
City State Zip

4. SW 1/4 of SW 1/4 of Section 5
(smallest) (biggest)
(Indicate Well on Chart)

NW		NE	
X			
SW		SE	

5. Township 25 Range 22

6. Pasco | n/a | n/a | n/a | n/a
County Subdivision Name Lot Block Unit

7. **Number of proposed wells** 1 **Check the use of well:** (See back of permit for additional choices) ____ Domestic Monitor (type) G.A.S

____ Irrigation (type) (See Back) Public Water Supply (type) ____ (See Back) List Other ____

Distance from septic system n/a ft. **Description of facility** [illegible] **Estimated start of construction date** 5/1/03

8. **Application for:** X New Construction ____ Repair/Modify ____ Abandonment ____ (Reason for Abandonment)

Southwest Florida Water Management District
Date Stamp
Received
MAY 7 2003
RRD-TAMPA

9. **Estimated:** Well Depth 13' Casing Depth 0-3' Screen Interval from 3' to 13'
Casing Material: Blk-Steel / Gal / [✓ PVC] Casing Diameter 1 INCH Seal Material [illegible] 20/30

10. **If applicable: Proposed Grouting Interval**
From ____ to ____ Seal Material ____
From ____ to ____ Seal Material ____
From ____ to ____ Seal Material ____

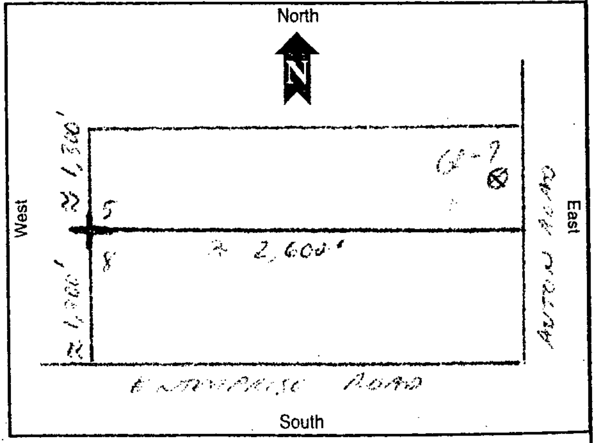
11. **Telescope Casing** ____ **or Liner** ____ (check one) Diameter ____
Blk-Steel / Galvanized / PVC Other (specify: ____

12. **Method of Construction:** ____ Rotary ____ Cable Tool ____ Combination
X Auger ____ Other (specify:) ____)

13. **Indicate total No. of wells on site** 6. **List number of unused wells on site** ____.

14. **Is this well or any other well or water withdrawal on the owner's contiguous property covered under a Consumptive/Water Use Permit (CUP/WUP) or CUP/WUP Application?** ____No ____Yes
(If yes, complete the following) CUP/WUP No. ____
District well I.D. No. ____
Latitude ____ Longitude ____
Data obtained from GPS ____ or map ____ or survey ____ (*map datum NAD 27____ NAD 83____*)

Draw a map of well location and indicate well site with an "X". Identify known roads and landmarks; provide distances between well and landmarks.



15. I hereby certify that I will comply with the applicable rules of Title 40, Florida Administrative Code, and that a water use permit or artificial recharge permit, if needed, has been or will be obtained prior to commencement of well construction. I further certify that all information provided on this application is accurate and that I will obtain necessary approval from other federal, state, or local governments, if applicable. I agree to provide a well completion report to the District within 30 days after drilling or the permit expiration, whichever occurs first.

Francis Xavier Harrington 7262
Signature of Contractor License No.

I certify that I am the owner of the property, that the information provided is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes, to maintain or properly abandon this well; or, I certify that I am the agent for the owner, that the information provided is accurate, and that I have informed the owner of his responsibilities as stated above. Owner consents to personnel of the WMD or a representative access to the well site.

[illegible] as agent 5/7/03
Owner's or Agent's Signature Date

DO NOT WRITE BELOW THIS LINE — FOR OFFICIAL USE ONLY

Approval Granted By: William [illegible] Issue Date: 5-8-03 Hydrologist Approval ____ Initials

Owner Number: 211593 Fee Received: $ 50. Receipt No.: 2412 A Check No.: cash

THIS PERMIT NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD. IT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL DRILLING OPERATIONS. ***This permit is valid for 90 days from date of issue.***

WHITE: ORIGINAL FILE
YELLOW: DRILLING CONTRACTOR
PINK: OWNER

FORM 41.10 — 410 (1) REV. 4/95

UNIVERSAL ENGINEERING SCIENCES GAS PROBE COMPLETION LOG	PROJECT NO.: 80540-001-01 REPORT NO.: DATE: July 30, 2003

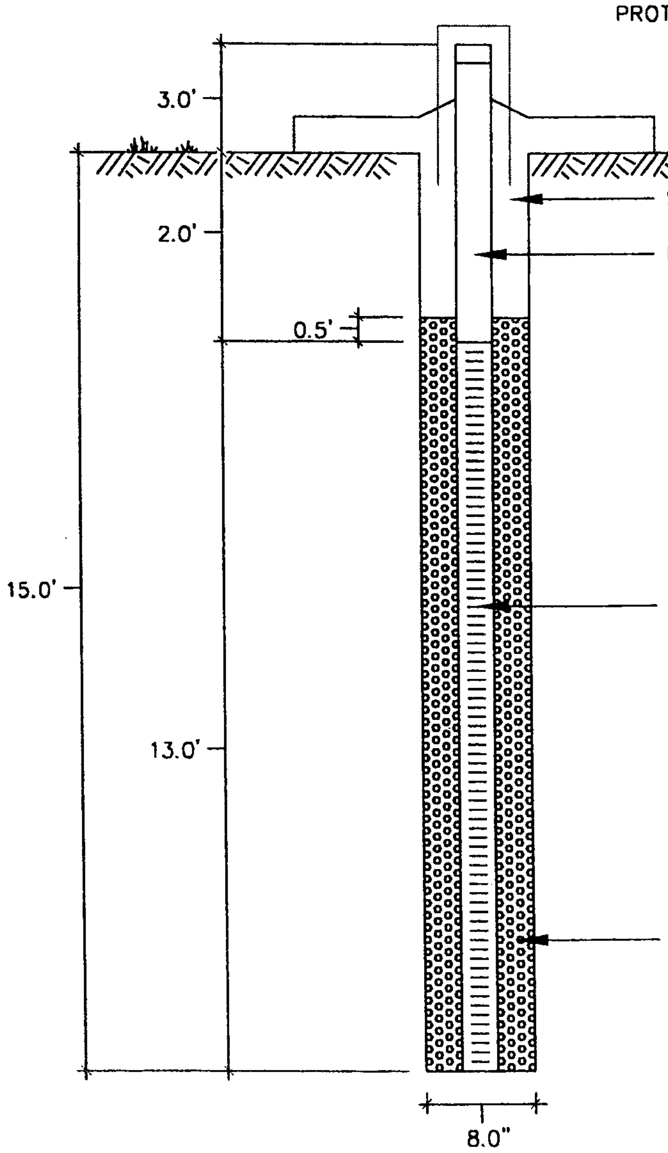
PROJECT: PROPOSED DADE CITY CLASS III LANDFILL

CLIENT: HARTMAN & ASSOCIATES, INC. DATE: 6/17/03

WELL NUMBER: GP-9 LOCATION: AT SURVEY STAKE

INSTALLED BY: L. PRINCE - UES TAMPA

WELL DIAGRAM - NOT TO SCALE



PROTECTIVE CASING - YES X

NO

TYPE 6" STEEL

RISER - TYPE SCH. 40 PVC

SIZE 1" DIA.

SCREEN - TYPE SCH. 40 PVC

SIZE 1" DIA.-0.010" SLOT

FILTER TYPE NO. 10 GRAVEL

STATE OF FLO[illegible]RMIT APPLICATION TO CONSTRUC[illegible] REPAIR, MODIFY, OR ABANDON A WELL

☒ Southwest
☐ Northwest
☐ St. Johns River
☐ South Florida
☐ Suwannee River

CHECK BOX FOR APPROPRIATE DISTRICT. ADDRESS ON BACK OF PERMIT FORM.

THIS FORM *MUST* BE FILLED OUT COMPLETELY.

The water well contractor is responsible for completing this form and forwarding the permit to the appropriate delegated county where applicable.

Permit No. 684396.05
Florida Unique I.D. ____
Permit Stipulations Required (See attached) 23, 39
62-524 well ☐
CUP/WUP Application No. ____

ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. AMERICA'S AGGREGATE MATERIALS 26400 SHERWOOD ST. WARREN MI 48091 (586) 427-4600
Owner, Legal Name of Entity if Corporation — Address — City — Zip — Telephone Number

NW CORNER ENTERPRISE ROAD & AUTON RD. DADE CITY
Well Location Address, Road Name or Number, City

FRANCIS XAVIER HARRINGTON 7262 (407) 423-0204
Well Drilling Contractor — License No. — Telephone No.

3332 MAGGIE BLVD.
Address

ORLANDO FL 32811
City — State — Zip

4. NW 1/4 of NW 1/4 of Section 8
(smallest) (biggest)
(Indicate Well on Chart)

NW			NE
X			
SW			SE

5. Township 25 Range 22

PASCO | N/A | N/A | N/A | N/A
County — Subdivision Name — Lot — Block — Unit

7. **Number of proposed wells** 5 **Check the use of well:** (See back of permit for additional choices) ____ Domestic Monitor (type) GAS

____ Irrigation (type) (See Back) Public Water Supply (type) ____ (See Back) List Other ____

Distance from septic system N/A ft. **Description of facility** LANDFILL **Estimated start of construction date** 5/6/03

Application for: X New Construction ____ Repair/Modify ____ Abandonment ____
(Reason for Abandonment)

Southwest Florida Water Management District
Received
MAY 7 2003
RRD-TAMPA

9. **Estimated:** Well Depth 20' Casing Depth 0-3' Screen Interval from 3' to 20'
Casing Material: Blk-Steel / Gal [✓ PVC] Casing Diameter 1 INCH Seal Material SAND 20/30

10. **If applicable: Proposed Grouting Interval**
From ____ to ____ Seal Material ____
From ____ to ____ Seal Material ____
From ____ to ____ Seal Material ____

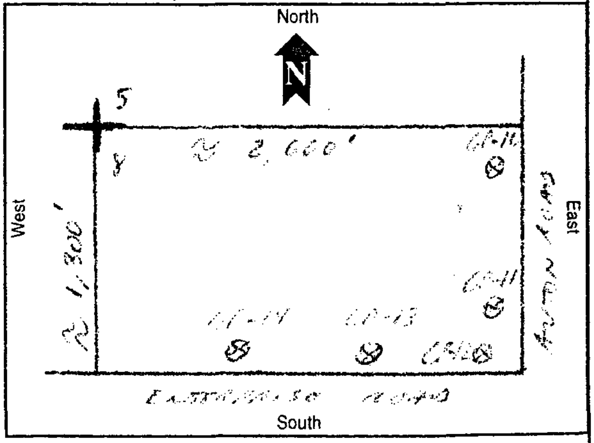
11. **Telescope Casing** ____ **or Liner** ____ (check one) Diameter ____
Blk-Steel / Galvanized / PVC Other (specify: ____

Method of Construction: ____ Rotary ____ Cable Tool ____ Combination
X Auger ____ Other (specify:) ____)

Indicate total No. of wells on site 5. **List number of unused wells on site** ____.

14. **Is this well or any other well or water withdrawal on the owner's contiguous property covered under a Consumptive/Water Use Permit (CUP/WUP) or CUP/WUP Application?** ____No ____Yes
(If yes, complete the following) CUP/WUP No. ____
District well I.D. No. ____
Latitude ____ Longitude ____
Data obtained from GPS ____ or map ____ or survey ____ (*map datum NAD 27*____ *NAD 83*____)

Draw a map of well location and indicate well site with an "X". Identify known roads and landmarks; provide distances between well and landmarks.



15. I hereby certify that I will comply with the applicable rules of Title 40, Florida Administrative Code, and that a water use permit or artificial recharge permit, if needed, has been or will be obtained prior to commencement of well construction. I further certify that all information provided on this application is accurate and that I will obtain necessary approval from other federal, state, or local governments, if applicable. I agree to provide a well completion report to the District within 30 days after drilling or the permit expiration, whichever occurs first.

Francis Xavier Harrington 7262
Signature of Contractor — License No.

I certify that I am the owner of the property, that the information provided is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes, to maintain or properly abandon this well; or, I certify that I am the agent for the owner, that the information provided is accurate, and that I have informed the owner of his responsibilities as stated above. Owner consents to personnel of the WMD or a representative access to the well site.

AGENT 5/5/03
Owner's or Agent's Signature — Date

DO NOT WRITE BELOW THIS LINE — FOR OFFICIAL USE ONLY

Approval Granted By: William Berman Issue Date: 5-8-03 Hydrologist Approval ____ Initials

Owner Number: 211593 Fee Received: $ 50. Receipt No.: 2412 A Check No.: Cash

THIS PERMIT NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD. IT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL DRILLING OPERATIONS. ***This permit is valid for 90 days from date of issue.***

FORM 41.10 — 410 (1) REV. 4/95

WHITE: ORIGINAL FILE
YELLOW: DRILLING CONTRACTOR
PINK: OWNER

UNIVERSAL ENGINEERING SCIENCES
GAS PROBE COMPLETION LOG

PROJECT NO.: 80540-001-01
REPORT NO.:
DATE: July 30, 2003

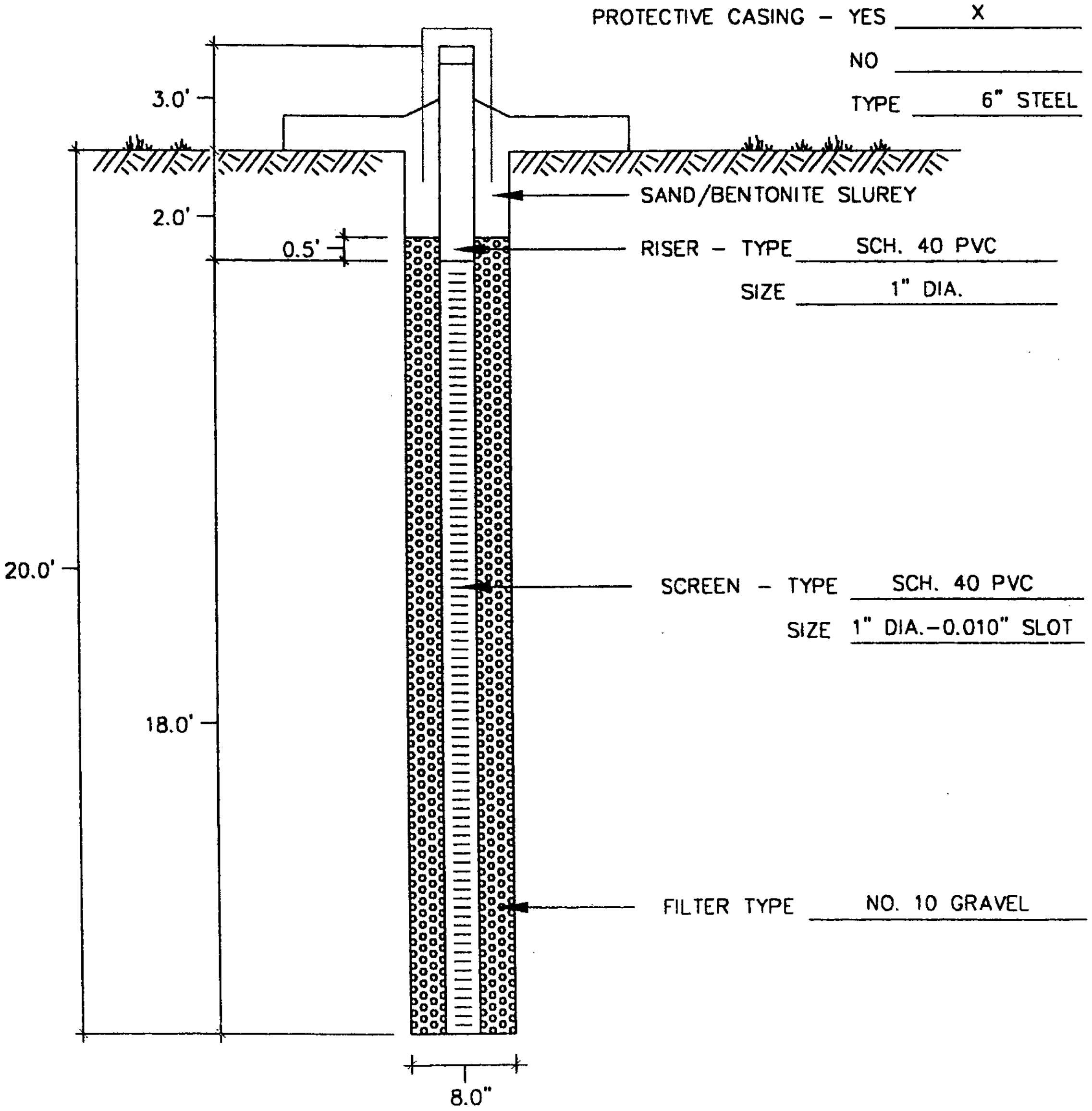
PROJECT: PROPOSED DADE CITY CLASS III LANDFILL

CLIENT: HARTMAN & ASSOCIATES, INC. DATE: 6/17/03

WELL NUMBER: GP-10 THRU GP-14 LOCATION: AT SURVEY STAKE

INSTALLED BY: L. PRINCE - UES TAMPA

WELL DIAGRAM - NOT TO SCALE



PROTECTIVE CASING - YES X
NO
TYPE 6" STEEL

SAND/BENTONITE SLUREY

RISER - TYPE SCH. 40 PVC
SIZE 1" DIA.

SCREEN - TYPE SCH. 40 PVC
SIZE 1" DIA.-0.010" SLOT

FILTER TYPE NO. 10 GRAVEL

APPENDIX C

STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT[illegible] REPAIR, MOD[illegible] ABANDON A WELL

☒ Southwest
☐ Northwest
☐ St. Johns River
☐ South Florida
☐ Suwannee River

CHECK BOX FOR APPROPRIATE DISTRICT. ADDRESS ON BACK OF PERMIT FORM.

THIS FORM *MUST* BE FILLED OUT COMPLETELY.

The water well contractor is responsible for completing this form and forwarding the permit to the appropriate delegated county where applicable.

Permit No. 654686.01
Florida Unique I.D. ______
Permit Stipulations Required (See attached) 04
62-524 well ☐
CUP/WUP Application No. ______
ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. ANCLOTE [illegible] [illegible] [illegible] 34[illegible] (727)[illegible]-1600
Owner, Legal Name of Entity if Corporation — Address — City — Zip — Telephone Number

2. NW CORNER [illegible] ROAD / ANTON [illegible] [illegible] CITY
Well Location Address, Road Name or Number, City

3. FRANCIS XAVIER WARRINGTON — 7262 — (727)[illegible]-5504
Well Drilling Contractor — License No. — Telephone No.

[illegible]
Address

[illegible] — FL — [illegible]
City — State — Zip

4. SW 1/4 of [illegible] 1/4 of Section 5
(smallest) (biggest)
(Indicate Well on Chart)

5. Township 27 Range 22

NW	NE
☒ SW	SE

6. [illegible] | N/A | N/A | N/A | N/A
County — Subdivision Name — Lot — Block — Unit

7. **Number of proposed wells** 4 **Check the use of well:** (See back of permit for additional choices) ______ Domestic Monitor (type) [illegible]
______ Irrigation (type) (See Back) Public Water Supply (type) ______ (See Back) List Other ______
Distance from septic system N/A ft. **Description of facility** [illegible] **Estimated start of construction date** 5/15/03

8. **Application for:** ______ New Construction ______ Repair/Modify X Abandonment [illegible]
(Reason for Abandonment)

Southwest Florida Water Management District
Date Stamp
Received
MAY 13 2003
RRD - TAMPA

9. **Estimated:** Well Depth 25' - 62.5' Casing Depth 0 - 62.5' Screen Interval from 15' to 62'
Casing Material: Blk-Steel / Gal / [✓ PVC] Casing Diameter 2 INCH Seal Material [illegible]

0. **If applicable: Proposed Grouting Interval**
From ______ to ______ Seal Material ______
From ______ to ______ Seal Material ______
From ______ to ______ Seal Material ______

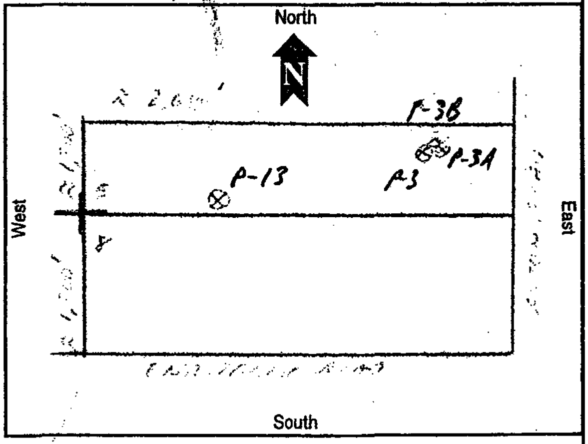
1. **Telescope Casing** ______ **or Liner** ______ (check one) Diameter ______
Blk-Steel / Galvanized / PVC Other (specify: ______

12. **Method of Construction:** ______ Rotary ______ Cable Tool ______ Combination
______ Auger ______ Other (specify:) ______)

13. **Indicate total No. of wells on site** 6. **List number of unused wells on site** ______.

4. **Is this well or any other well or water withdrawal on the owner's contiguous property covered under a Consumptive/Water Use Permit (CUP/WUP) or CUP/WUP Application?** ___No ___Yes
(If yes, complete the following) CUP/WUP No. ______
District well I.D. No ______
Latitude ______ Longitude ______
Data obtained from GPS ____ or map ____ or survey ____ (*map datum NAD 27*____ NAD 83____)

Draw a map of well location and indicate well site with an "X". Identify known roads and landmarks; provide distances between well and landmarks.



5. I hereby certify that I will comply with the applicable rules of Title 40, Florida Administrative Code, and that a water use permit or artificial recharge permit, if needed, has been or will be obtained prior to commencement of well construction. I further certify that all information provided on this application is accurate and that I will obtain necessary approval from other federal, state, or local governments, if applicable. I agree to provide a well completion report to the District within 30 days after drilling or the permit expiration, whichever occurs first.

Francis Xavier Warrington 03 — 7262
Signature of Contractor — License No.

I certify that I am the owner of the property, that the information provided is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes, to maintain or properly abandon this well; or, I certify that I am the agent for the owner, that the information provided is accurate, and that I have informed the owner of his responsibilities as stated above. Owner consents to personnel of the WMD or a representative access to the well site.

5/13/03
Owner's or Agent's Signature — Date

DO NOT WRITE BELOW THIS LINE — FOR OFFICIAL USE ONLY

Approval Granted By: ______ Issue Date: ______ Hydrologist Approval ______ Initials
Owner Number: 211593 Fee Received: $ ______ Receipt No.: ______ Check No.: ______

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WHITE: ORIGINAL FILE
YELLOW: DRILLING CONTRACTOR
PINK: OWNER

FORM 41.10 — 410 (1) REV. 4/95

STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MOD ABANDON A WELL

☒ Southwest
☐ Northwest
☐ St. Johns River
☐ South Florida
☐ Suwannee River

CHECK BOX FOR APPROPRIATE DISTRICT. ADDRESS ON BACK OF PERMIT FORM.

THIS FORM *MUST* BE FILLED OUT COMPLETELY.

The water well contractor is responsible for completing this form and forwarding the permit to the appropriate delegated county where applicable.

Permit No. 684657.02.03
Florida Unique I.D.
Permit Stipulations Required (See attached) 04
62-524 well ☐
CUP/WUP Application No.

ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. [illegible] — Owner, Legal Name of Entity if Corporation — Address — City — Zip — Telephone Number

2. [illegible] CITY — Well Location Address, Road Name or Number, City

3. [illegible] 7262 — Well Drilling Contractor — License No. — Telephone No.

[illegible] — Address

[illegible] — City — State — Zip

4. ~~[illegible]~~ 1/4 of [illegible] 1/4 of Section 8 (smallest) (biggest) (Indicate Well on Chart)

5. Township [illegible] Range [illegible]

NW			NE
X			
SW			SE

6. [illegible] County | n/a Subdivision Name | n/a Lot | n/a Block | n/a Unit

7. **Number of proposed wells** 2 **Check the use of well:** (See back of permit for additional choices) ______ Domestic Monitor (type) [illegible]

______ Irrigation (type) (See Back) Public Water Supply (type) ______ (See Back) List Other ______

Distance from septic system n/a ft. **Description of facility** [illegible] **Estimated start of construction date** [illegible]

8. **Application for:** ______ New Construction ______ Repair/Modify X Abandonment [illegible] (Reason for Abandonment)

Southwest Florida Water Management District
Received
MAY 1 3 2003
RRD - TAMPA

9. **Estimated:** Well Depth [illegible] Casing Depth [illegible] Screen Interval from [illegible] to [illegible]
Casing Material: Blk-Steel / Gal [✓ PVC] Casing Diameter 2 [illegible] Seal Material [illegible]

10. **If applicable: Proposed Grouting Interval**
From ______ to ______ Seal Material ______
From ______ to ______ Seal Material ______
From ______ to ______ Seal Material ______

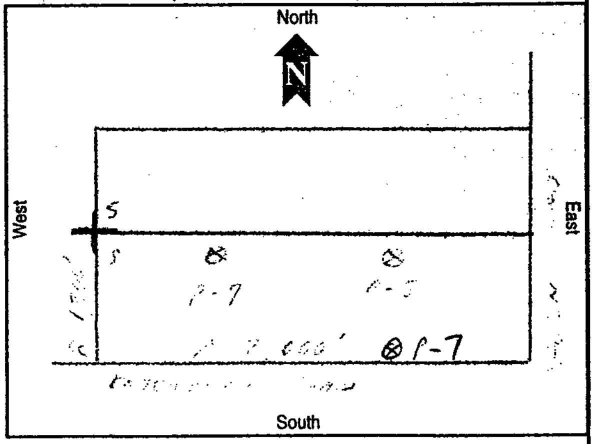
11. **Telescope Casing** ______ **or Liner** ______ (check one) Diameter ______
Blk-Steel / Galvanized / PVC Other (specify: ______

12. **Method of Construction:** ______ Rotary ______ Cable Tool ______ Combination
______ Auger ______ Other (specify:) ______)

13. **Indicate total No. of wells on site** 5. **List number of unused wells on site** ______.

14. **Is this well or any other well or water withdrawal on the owner's contiguous property covered under a Consumptive/Water Use Permit (CUP/WUP) or CUP/WUP Application?** ___No ___Yes
(If yes, complete the following) CUP/WUP No. ______
District well I.D. No. ______
Latitude ______ Longitude ______
Data obtained from GPS ___ or map ___ or survey ___ (*map datum NAD 27*___ *NAD 83*___)

Draw a map of well location and indicate well site with an "X". Identify known roads and landmarks; provide distances between well and landmarks.



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Francis Xavier Warrington 7262
Signature of Contractor — License No.

I certify that I am the owner of the property, that the information provided is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes, to maintain or properly abandon this well; or, I certify that I am the agent for the owner, that the information provided is accurate, and that I have informed the owner of his responsibilities as stated above. Owner consents to personnel of the WMD or a representative access to the well site.

5/12/03
Owner's or Agent's Signature — Date

DO NOT WRITE BELOW THIS LINE — FOR OFFICIAL USE ONLY

Approval Granted By: ______ Issue Date: ______ Hydrologist Approval ______ Initials

Owner Number: 211593 Fee Received: $ ______ Receipt No.: ______ Check No.: ______

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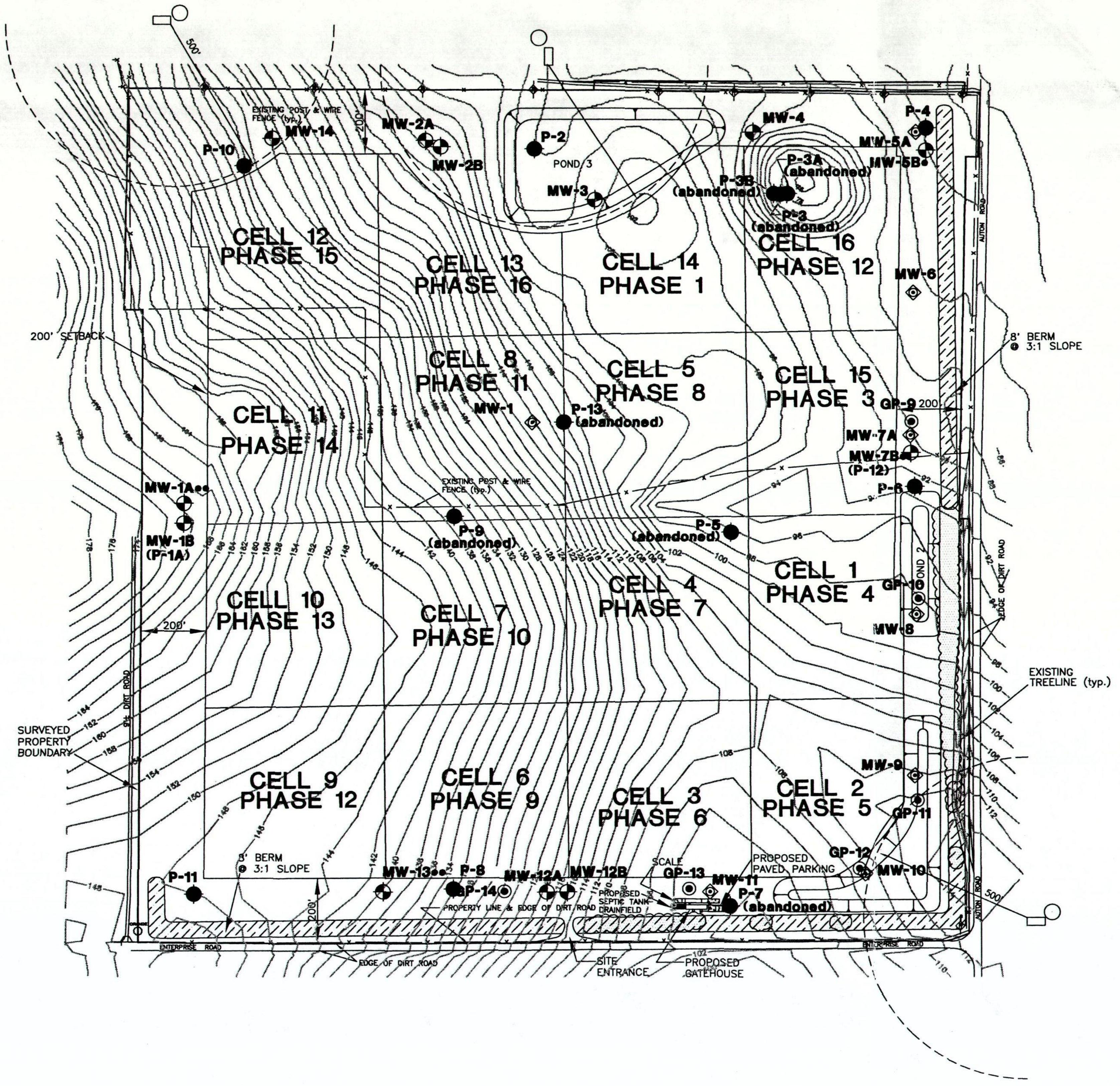
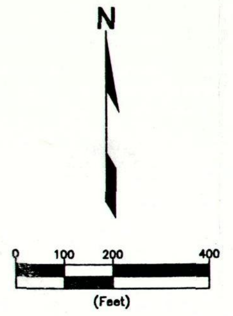
PINK: OWNER

FORM 41.10 — 410 (1) REV. 4/95





LEGEND

MW-2 – PROPOSED SURFICIAL AQUIFER DETECTION MONITOR WELL LOCATION
MW-1B – PROPOSED FLORIDAN AQUIFER DETECTION MONITOR WELL LOCATION
P-2 – EXISTING PIEZOMETER LOCATION
MW-8 – EXISTING SURFICIAL MONITOR WELL LOCATION
MW-1B• – EXISTING FLORIDAN AQUIFER DETECTION MONITOR WELL LOCATION
○ – PRIVATE POTABLE WELL LOCATION
MW-13•• – PERIODIC DRY SURFICIAL AQUIFER MONITOR WELL LOCATION
GP-11 – EXISTING GAS PROBE LOCATION

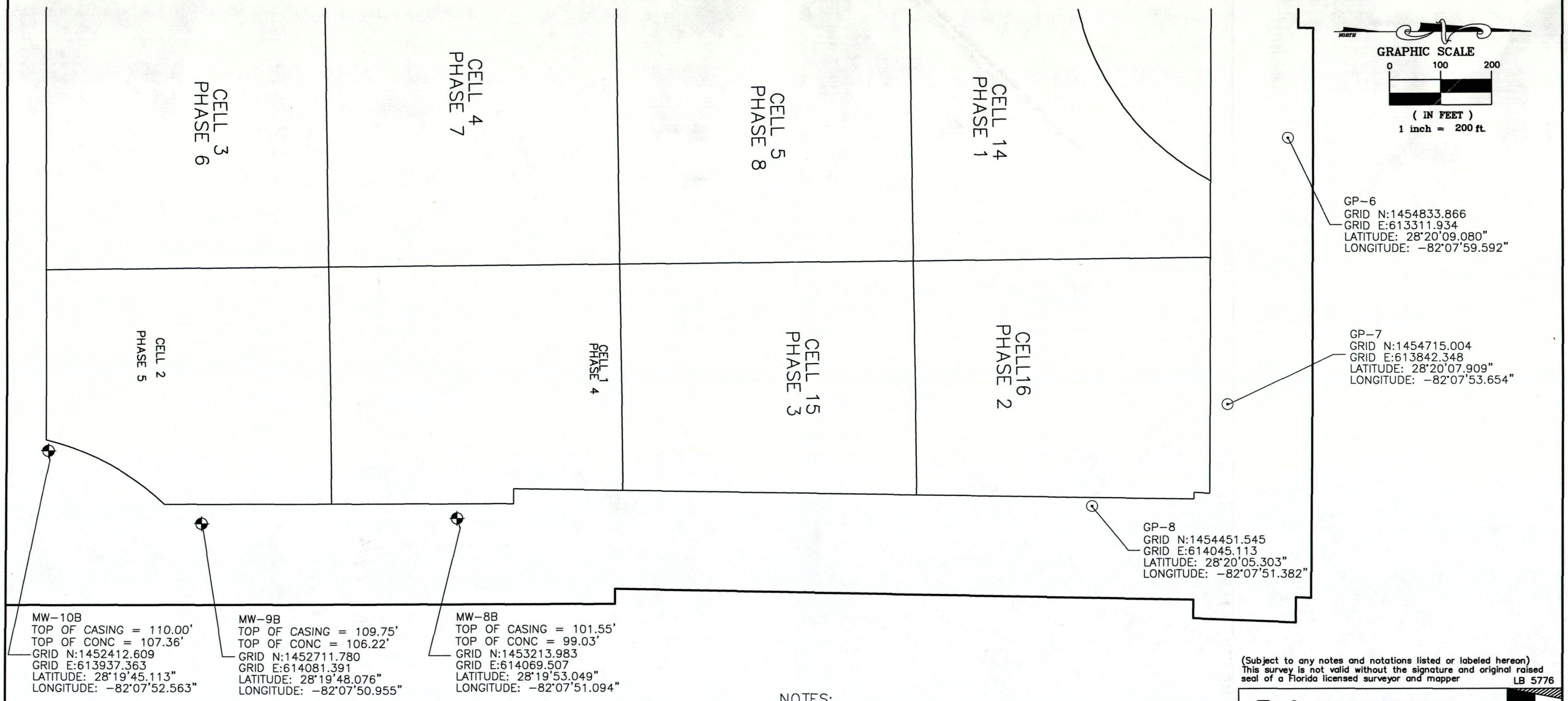
HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET – SUITE 1000 – ORLANDO, FL 32801
TELEPHONE (407) 839-3955 – FAX (407) 839-3790

SITE MAP
ENTERPRISE RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE 1

ENTERPRISE RECYCLING AND DISPOSAL FACILITY
MONITOR WELL AND GAS PROBE LOCATIONS

SEC 26 TWP 22 S, RNG 18 E.
PASCO COUNTY, FLORIDA



NOTES:

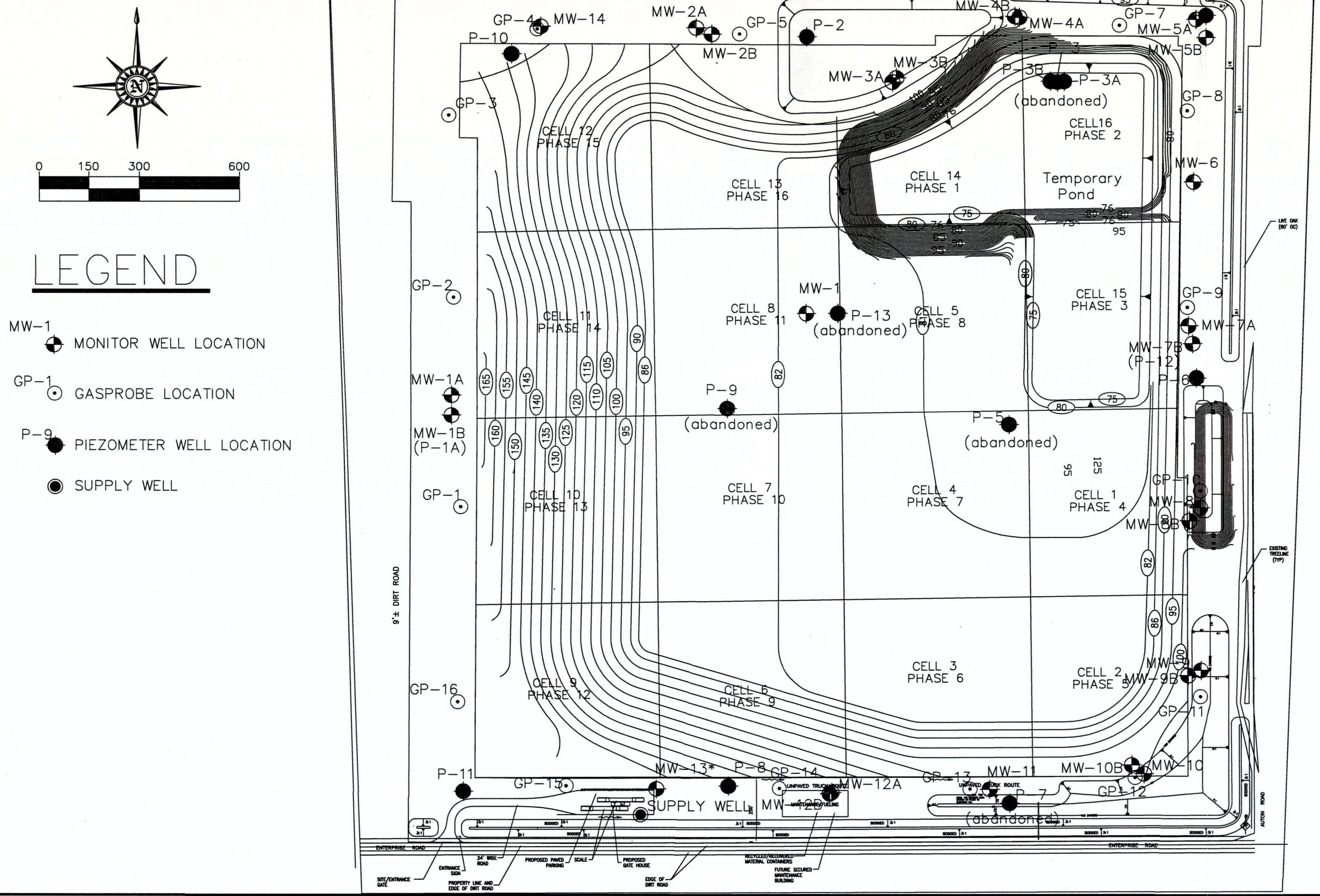
1. THIS DRAWING IS NOT INTENDED TO REPRESENT A BOUNDARY SURVEY.
2. ELEVATIONS SHOWN HEREON ARE BASED ON THE CONSTRUCTION PLANS FOR THE ENTERPRISE RECYCLING & DISPOSAL FACILITY AND ENTERPRISE RD. BENCH MARK USED IS A NAIL & DISK IN A POWER POLE STATION 115+74.55 58.36 LT. ELEVATION = 114.02'.
3. THIS SURVEY DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF THE PARTY OR PARTIES CERTIFIED TO BELOW FOR THE EXPRESS PURPOSE STATED HEREON AND/OR CONTAINED IN THE CONTRACT BETWEEN FORESIGHT SURVEYORS, INC. AND THE CLIENT FOR THIS PROJECT. COPYING, DISTRIBUTING, AND/OR USING THIS DRAWING, IN WHOLE OR IN PART FOR ANY PURPOSE OTHER THAN ORIGINALLY INTENDED WITHOUT WRITTEN CONSENT FROM FORESIGHT SURVEYORS, INC. IS STRICTLY PROHIBITED, AND RENDERS THE SURVEYOR'S CERTIFICATION, SIGNATURE AND SEAL HEREON NULL AND VOID. ANY QUESTIONS CONCERNING THE CONTENT OR PURPOSE OF THIS DRAWING SHOULD BE DIRECTED TO FORESIGHT SURVEYORS, INC.

(Subject to any notes and notations listed or labeled hereon)
This survey is not valid without the signature and original raised seal of a Florida licensed surveyor and mapper
LB 5776

© FORESIGHT
SURVEYORS, INC.

773 PROVIDENCE BOULEVARD
BROOKSVILLE, FLORIDA 34601
PH. (352) 797-6306 FAX (352) 797-6308

FILE	CERTIFIED AS TO SURVEY: A. Dan Miller	SCALE 1"=60'
DRAWN ADM		FIELD DATE 4-25-05
CHECKED	DATE: 5-6-05	PROJECT #
	A. DANIEL MILLER, P.S.M. Fla. Surveyors Reg'n No. 6294	23196



Dept. of Environmental
Protection
APR 17 2006
Southwest District

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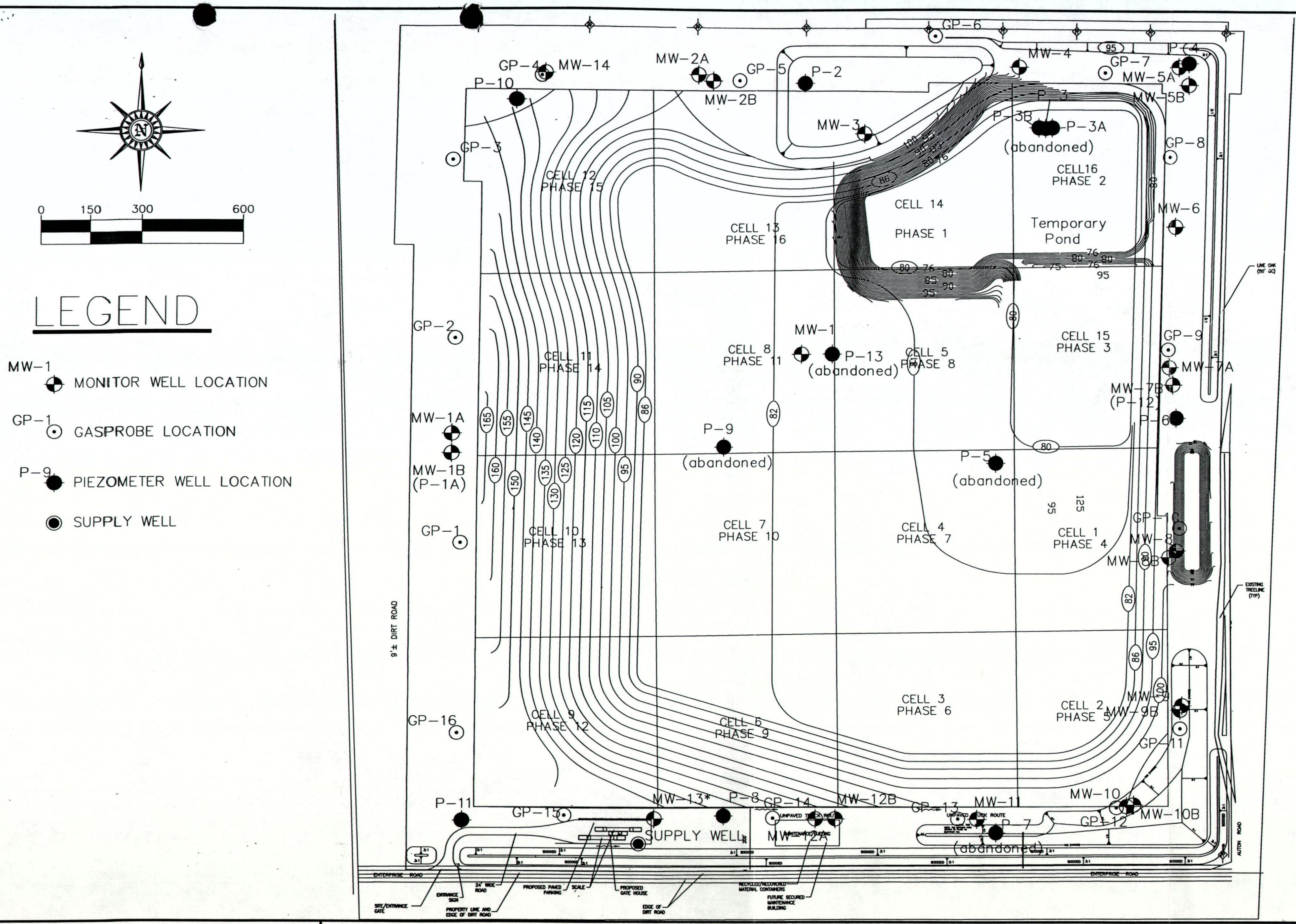
HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET – SUITE 1000 – ORLANDO, FL 32801
TELEPHONE (407) 839-3955 – FAX (407) 839-3790

WELL LOCATION MAP
ENTERPRISE ROAD RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE
1



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TELEPHONE (407) 839-3955 – FAX (407) 839-3790

WELL LOCATION MAP
ENTERPRISE ROAD RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE
1

1 MAP SCANNED SEPARATELY