

Martin Marietta Aggregates



780 North Valley Road
Xenia, OH 45385
Telephone (937) 429-0976
Fax (937) 429-5597

November 8, 2000

DRAFT

Mr. Carlo C. McGinnis, President
Valley Springs Farm Company
C/O 130 West Second Street, Ste. 800
Dayton, OH 45402

Re: Proposal for Aggregate Removal
615.639 Ac. Beaver Creek Twp., Greene County, OH

Dear Mr. McGinnis:

This letter is to confirm the discussions on the proposed aggregate removal from subject 615.639 acres of property (Property) and is intended to memorialize the parties' understandings and agreements with the respect to the matters set forth below. The undersigned parties acknowledge and agree that neither would consummate the transactions contemplated in this letter without the assurances and agreements set forth herein.

Valley Springs Farm Company Responsibilities. Martin Marietta Materials, Inc. (MMM) and Valley Springs Farm Company (VSF) acknowledge that VSF shall be responsible for all work and expenses to (i) acquire the appropriate zoning (PUD), and (ii) contract to have the overburden removed and/or stored (allowing enough to remain to satisfy PUD restrictions and reclamation).

MMM and VSF acknowledge and agree that VSF shall enter into an exclusivity agreement with MMM allowing MMM to remove as much aggregate product as possible that fits within the definitions of VSF's PUD.

Martin Marietta Materials, Inc. Responsibilities. VSF and MMM acknowledge that MMM shall be responsible for all work and expenses to (i) obtain the appropriate state mining permits once zoning has been secured by VSF, (ii) remove at least as much material as defined in VSF's PUD, and (iii) perform the necessary reclamation to release the project from bond.

MMM shall pay to VSF a 5% ANSP* royalty on every ton sold from VSF's Property (method of VSF-to-Xenia product ratio to be determined at a later date).

*ANSP - Average Net Selling Price as herein employed shall be defined to mean the average gross return per net ton to MMM as shown by the invoices from MMM to its customers, excluding therefrom sales and use taxes which are separately distinctly shown on said invoices, transportation delivery charges, customer discounts, allowance for product returned by customers, or any other reductions in revenue to MMM.

Further Assurances. The parties acknowledge and agree to execute any and all agreements, certificates, affidavits, applications, and other documents necessary to effect the transactions described in this letter agreement.

If the foregoing is acceptable to VSF, please execute this letter in the space provided below.

Sincerely,

MARTIN MARIETTA MATERIALS, INC.

By: _____
Geoffrey C. Harris
MidAmerica Division President

Accepted and agreed to this ____ day of _____, 2000.

VALLEY SPRINGS FARM COMPANY

By: _____
Carlo C. McGinnis
President

By: _____
Felix S. McGinnis
Treasurer

Martin Marietta Aggregates



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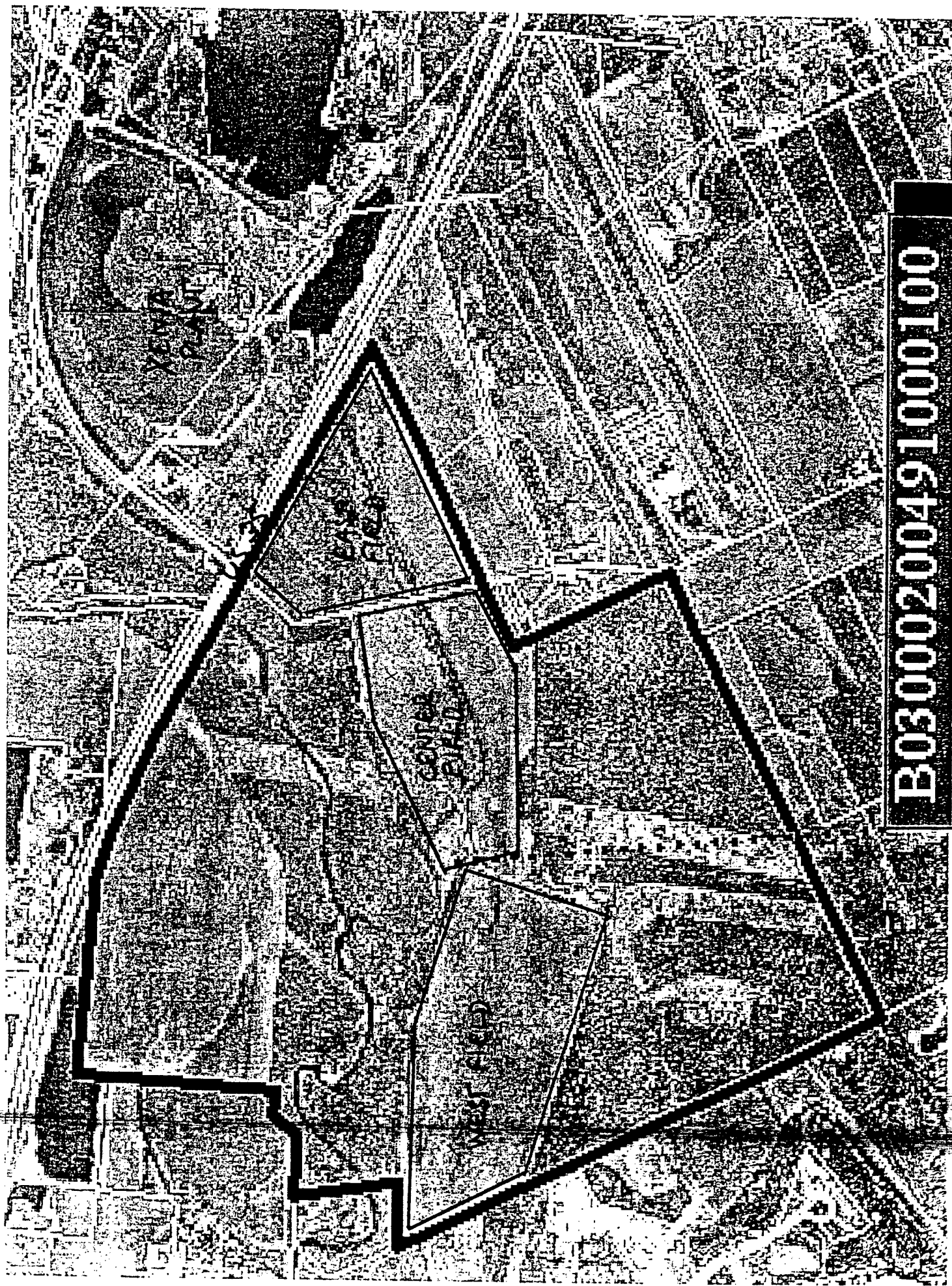
By: _____
Geoffrey C. Harris
MidAmerica Division President

Accepted and agreed to this ____ day of _____, 2000.

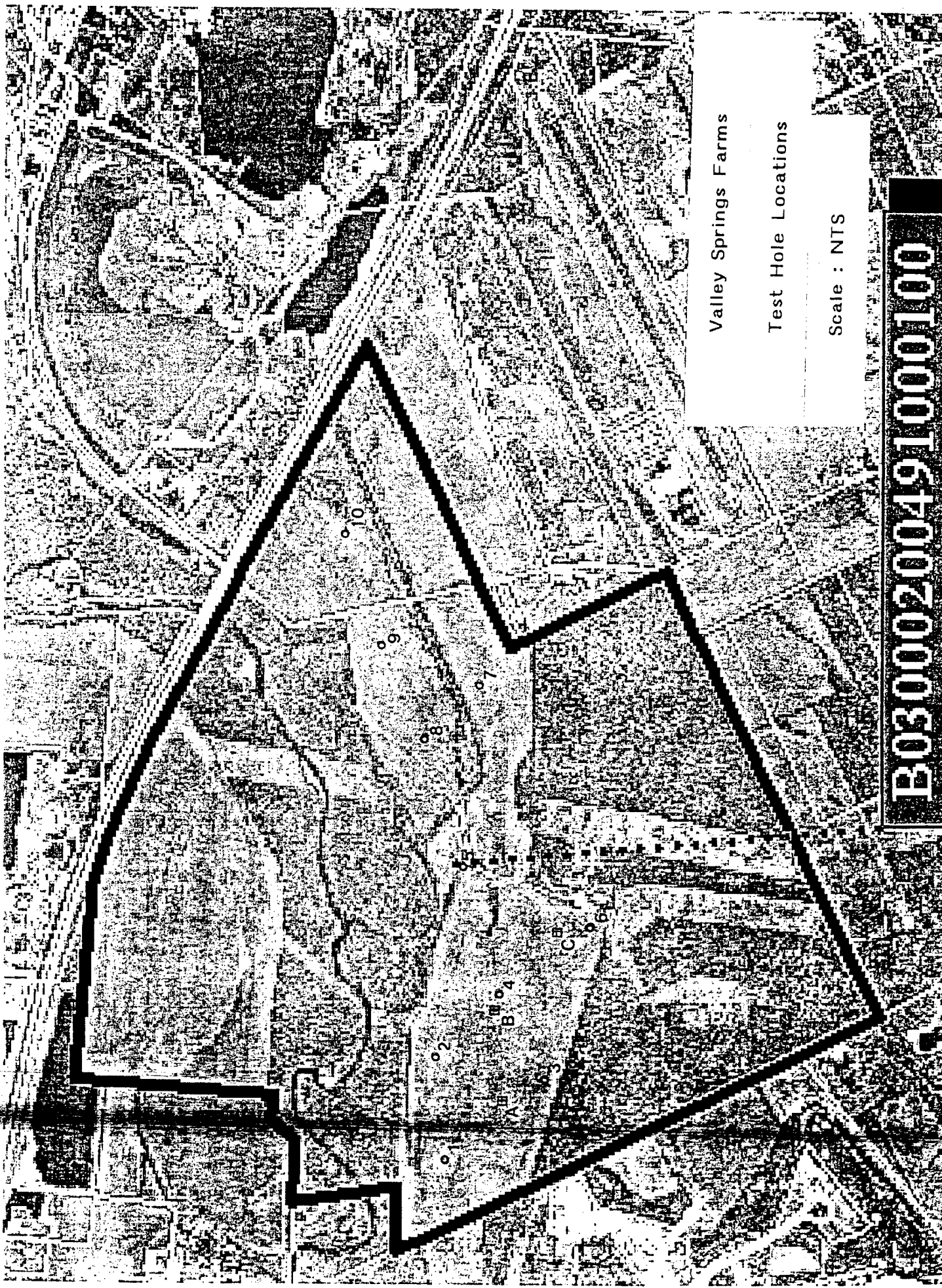
VALLEY SPRINGS FARM COMPANY

By: _____
Carlo C. McGinnis
President

By: _____
Felix S. McGinnis
Treasurer



B03000200491000100



Valley Springs Farms

Test Hole Locations

Scale : NTS

B030000200491000100

DRILLING SURGE

Handwriting practice lines with four slanted strokes.

LOCATION OF HOLE:

ELEVATION:

WATER DEPTH:

WATER ELEVATION:

REASON FOR STOPPING DRILLING:

ADDITIONAL COMMENTS:

DRILLING SURGE.

[illegible]

ADDITIONAL COMMENTS: _____

DRILLING SURFAR

[illegible]

ADDITIONAL COMMENTS: _____

PLANT: XENIA PROPERTY: M. GINNIS HOLE #: ME/X 0-41-0
DRILLER: ALLIANCE DRILL RIG USED: SONIC DATE: 5-30-00
LOCATION OF HOLE: SEE MAP
ELEVATION: _____ WATER DEPTH: 4' WATER ELEVATION: _____

[illegible]

REASON FOR STOPPING DRILLING: _____

ADDITIONAL COMMENTS: _____

DRILLING SURGE:

Handwriting practice lines with four slanted strokes.

[illegible]

ADDITIONAL COMMENTS: _____

DRILLING SURFACE

LOCATION OF HOLE:

ELEVATION: _____ WATER DEPTH: 3' WATER ELEVATION: _____

Rev. 10/88, KPC

DRILLING SURFACE

[illegible]

Rev. 10/88, KPC

DRILLING SURGE

[illegible]

Rev. 10/88 KPC

PLANT: XENIA PROPERTY: McGINNIE HOLE #: MLX-09-00
DRILLER: ALLIANCE DRILL RIG USED: SONIC DATE: 5-20-00
LOCATION OF HOLE: _____
ELEVATION: _____ WATER DEPTH: 7' WATER ELEVATION: _____

[illegible]

REASON FOR STOPPING DRILLING: _____

ADDITIONAL COMMENTS: _____

DRILLING SURGE:

DRILLER: ALLIANCE DRILL RIG USED: SONIC DATE: 5-20-03

WATER ELEVATION:

ATC Engineering Services of Ohio, L.P.



2027 Springboro West
Dayton, OH 45439
(937) 297-6600

RECORD OF SUBSURFACE EXPLORATION

CLIENT Greene County Sanitary Engineering Department

ARCHITECT ENGINEER _____

PROJECT NAME Valley Spring Road Embankment

PROJECT LOCATION Valley Spring Road, Greene County, Ohio

BORING # B-1

JOB # 00157.0012

DRAWN BY TJN

APPROVED BY MOH

DRILLING and SAMPLING INFORMATION

Date Started 5/18/99 Hammer Wt. 140 lbs.
Date Completed 5/18/99 Hammer Drop 30 in.
Drill Foreman D. Fisher Spoon Sampler OD 2 in.
Inspector _____ Rock Core Dia. _____ in.
Boring Method HSA Shelby Tube OD _____ in.

TEST DATA

SOIL CLASSIFICATION		Stratum Depth	Depth Scale	Sample No.	Sample Ty Sampler G Recovery	Ground Wa	Standard Test, N	Qu-tsf Un Compressi	PP - tsf Pocket Per	Moisture C	Liquid Lim	Plastic Li	Remarks
SURFACE ELEVATION													
TOPSOIL													
Dark gray SILTY SANDY CLAY, with trace organics (CL) [gray horizon]. Moist, medium stiff		1.5		1	SS		8			35			Loss-on-Ignition test on Sample #1 is 4%. Loss-on-Ignition test on Sample #2 is 9%.
Gray SILTY SANDY CLAY, with trace gravel and decomposed organics (CL). Wet, soft to very soft		3.0		2	SS		4			30			
			5										Drilling mud was added to the hole at about 10.0 feet depth.
				3	SS		3			29			
Gray SAND and GRAVEL, with trace to little silt (SM). Wet, loose		8.0		4	SS		10			12			
			10										
Gray SAND and GRAVEL, with trace silt (SP-SM). Wet, dense		11.0		5	SS		38						
				6	SS		43						
			15										
				7	SS		43						
			20										
Gray SANDY CLAY, with little gravel (CL) [glacial till]. Very moist to wet, hard to very stiff		21.0		9	SS		45			11			
				10	SS		50/0						
			25										
				11	SS		48+ 50/0.5			12			
- occasional thin sand and gravel layer -				12	SS		20			11			

Sample Type

SS - Driven Split Spoon
ST - Pressed Shelby Tube
CA - Continuous Flight Auger
RC - Rock Core
CU - Cuttings
CT - Continuous Tube

Groundwater

At Completion 6.0 ft.
After _____ hours _____ ft.
Water on Rods 8.0 ft.
+ At Survey _____ ft.

Boring Method

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
DC - Driving Casing
HP - Hydraulic Push

ATC Engineering Services of Ohio, L.P.



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SOIL CLASSIFICATION	Stratum Depth	Depth Scale	Sample No.	Sample Type	Sampler Graphics	Recovery Graphics	Ground Water	Standard Penetration Test, N - blows/foot	Qu-tsfs Unconfined Compressive Strength	PP - tsf Pocket Penetrometer	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Remarks
Gray SANDY CLAY, with little gravel (CL) [glacial till]. Very moist to wet, hard to very stiff			13	SS				20			12			
Gray SANDY CLAY, with trace to little gravel (CL) [glacial till]. Wet, stiff/medium stiff	33.0		14	SS				12			11			
		35	15	SS				9			11			
			16	SS				17			10			
	40		17	SS				6			12			
			18	SS				11			11			
	45		19	SS				31			17			
	46.0		20	SS				38			23			
Boring discontinued at 50.0 feet depth. Boring caved in at 14.0 feet depth.	50.0	50												

Sample Type

SS - Driven Split Spoon
ST - Pressed Shelby Tube
CA - Continuous Flight Auger
RC - Rock Core
CU - Cuttings
CT - Continuous Tube

Groundwater

At Completion 6.0 ft.
After _____ hours _____ ft.
Water on Rods 8.0 ft.
+ At Survey _____ ft.

Boring Method

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
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HP - Hydraulic Push

ATC Engineering Services of Ohio, L.P.



2027 Springboro West
Dayton, OH 45439
(937) 297-6600

RECORD OF SUBSURFACE EXPLORATION

CLIENT Greene County Sanitary Engineering Department

BORING # B-2

ARCHITECT ENGINEER _____

JOB # 00157.0012

PROJECT NAME Valley Spring Road Embankment

DRAWN BY TJN

PROJECT LOCATION Valley Spring Road, Greene County, Ohio

APPROVED BY MOH

DRILLING and SAMPLING INFORMATION

TEST DATA

Date Started 5/18/99 Hammer Wt. 140 lbs.
Date Completed 5/18/99 Hammer Drop 30 in.
Drill Foreman D. Fisher Spoon Sampler OD 2 in.
Inspector _____ Rock Core Dia. _____ in.
Boring Method HSA Shelby Tube OD _____ in.

SOIL CLASSIFICATION	Stratum Depth	Depth Scale	Sample No.	Sample Type	Sampler Graphics Recovery Graphics	Ground Water	Standard Penetration Test, N - blows/foot	Qu-tsff Unconfined Compressive Strength	PP - tsf Pocket Penetrometer	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Remarks
TOPSOIL													
Dark gray SILTY SANDY CLAY, with trace organics (CL) [gray horizon]. Moist, medium stiff	1.3		1	SS			11			18			
Gray SILTY SANDY CLAY, with trace gravel and decomposed organics (CL). Very moist, soft to very soft	3.0		2	SS			5			25			
		5	3	SS			2			29			
Gray SAND and GRAVEL, with trace to little silt (SM). Wet, medium dense	8.0		4	SS			28			10			
		10	5	SS			17						
Gray to brown SAND and GRAVEL, with trace silt (SP). Wet, medium dense	11.0		6	SS			13						
		15	7	SS			31						
			8	SS			23						
		20	9	SS			38						
Brown and gray SAND and GRAVEL, with trace silt (SP to GP). Wet, dense to medium dense	21.0		10	SS			36						
		25	11	SS			24						
			12	SS			16						

Drilling mud was added to the hole at about 10.0 feet depth.

Sample Type

SS - Driven Split Spoon
ST - Pressed Shelby Tube
CA - Continuous Flight Auger
RC - Rock Core
CU - Cuttings
CT - Continuous Tube

Groundwater

At Completion 5.0 ft.
After _____ hours _____ ft.
Water on Rods 5.5 ft.
+ At Survey _____ ft.

Boring Method

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
DC - Driving Casing
HP - Hydraulic Push

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Brown and gray SAND and GRAVEL, with trace silt (SP to GP). Wet, dense to medium dense	31.0		13	SS			42			19			
Gray SILTY CLAY (CL) [Lakebed deposit]. Moist, hard		35	14	SS			55			17			
			15	SS			63			17			
		40	16	SS			46			22			
			17	SS			52			21			
			18	SS			68						
	45		19	SS			19						
Brown and gray medium to coarse SAND and some gravel (SP). Wet, medium dense to very dense	46.0		20	SS			55						
Boring discontinued at 50.0 feet depth. Boring caved in at 10.0 feet depth.	50.0	50											

Sample Type

SS - Driven Split Spoon
ST - Pressed Shelby Tube
CA - Continuous Flight Auger
RC - Rock Core
CU - Cuttings
CT - Continuous Tube

Groundwater

At Completion 5.0 ft.
After _____ hours _____ ft.
Water on Rods 5.5 ft.
At Survey _____ ft.

Boring Method

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
DC - Driving Casing
HP - Hydraulic Push

ATC Engineering Services of Ohio, L.P.



2027 Springboro West
Dayton, OH. 45439
(937) 297-6600

RECORD OF SUBSURFACE EXPLORATION

CLIENT Greene County Sanitary Engineering Department

ARCHITECT ENGINEER _____

PROJECT NAME Valley Spring Road Embankment

PROJECT LOCATION Valley Spring Road, Greene County, Ohio

BORING # B-3

JOB # 00157.0012

DRAWN BY TJN

APPROVED BY MOH

DRILLING and SAMPLING INFORMATION

Date Started 5/20/99 Hammer Wt. 140 lbs.
Date Completed 5/20/99 Hammer Drop 30 in.
Drill Foreman D. Fisher Spoon Sampler OD 2 in.
Inspector _____ Rock Core Dia. _____ in.
Boring Method HSA Shelby Tube OD _____ in.

TEST DATA

SOIL CLASSIFICATION	Stratum Depth	Depth Scale	Sample No.	Sample Type	Sampler Graphics	Recovery Graphics	Ground Water	Standard Penetration Test, N - blows/foot	Qu-tsf Unconfined Compressive Strength	PP - tsf Pocket Penetrometer	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Remarks
SURFACE ELEVATION														
TOPSOIL														
Dark gray SILTY SANDY CLAY, with trace organics (CL) [gray horizon]. Moist, stiff	1.3		1	SS				12						
Gray SILTY SANDY CLAY, with trace gravel and decomposed organics (CL). Moist, medium stiff	3.0		2	SS				6						
Brown SAND and GRAVEL, with cobbles (GP). Wet, medium dense	6.0	5	3	SS				16						
			4	SS				22						
		10	5	SS				21						
			6	SS				17						
	15		7	SS				19						
Brown SAND and GRAVEL, with trace silt (SP to GP). Wet, medium dense	16.0		8	SS				25						
		20	9	SS				31						
			10	SS				45						
	25		11	SS				31						
			12	SS				22						

Sample Type

SS - Driven Split Spoon
ST - Pressed Shelby Tube
CA - Continuous Flight Auger
RC - Rock Core
CU - Cuttings
CT - Continuous Tube

Groundwater

▽ At Completion _____ ft.
▽ After _____ hours _____ ft.
● Water on Rods 5.0 ft.
+ At Survey _____ ft.

Boring Method

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
DC - Driving Casing
HP - Hydraulic Push

ATC Engineering Services of Ohio, L.P.



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Dayton, OH 45439
(937) 297-6600

RECORD OF SUBSURFACE EXPLORATION

CLIENT Greene County Sanitary Engineering Department

BORING # B-3

ARCHITECT ENGINEER _____

JOB # 00157.0012

PROJECT NAME Valley Spring Road Embankment

DRAWN BY TJN

PROJECT LOCATION Valley Spring Road, Greene County, Ohio

APPROVED BY MOH

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Brown SAND and GRAVEL, with trace silt (SP). Wet, medium dense			14	SS			18						
		35											
			15	SS			19						
			16	SS			16						
Gray SANDY CLAY, with trace to little gravel (CL) [glacial till]. Moist, stiff	40.0	40	17	SS			13						
Gray SILTY CLAY (CL) [Lakebed deposit]. Moist, hard	43.0		18	SS			67						
		45											
Gray CLAYEY SILT (ML). Moist, hard	46.0		19	SS			57						
- sand seam in sample -	48.0												
Gray SILTY CLAY (CL) [Lakebed deposit]. Moist, hard	50.0	50	20	SS			53						
Boring discontinued at 50.0 feet depth.													

Sample Type

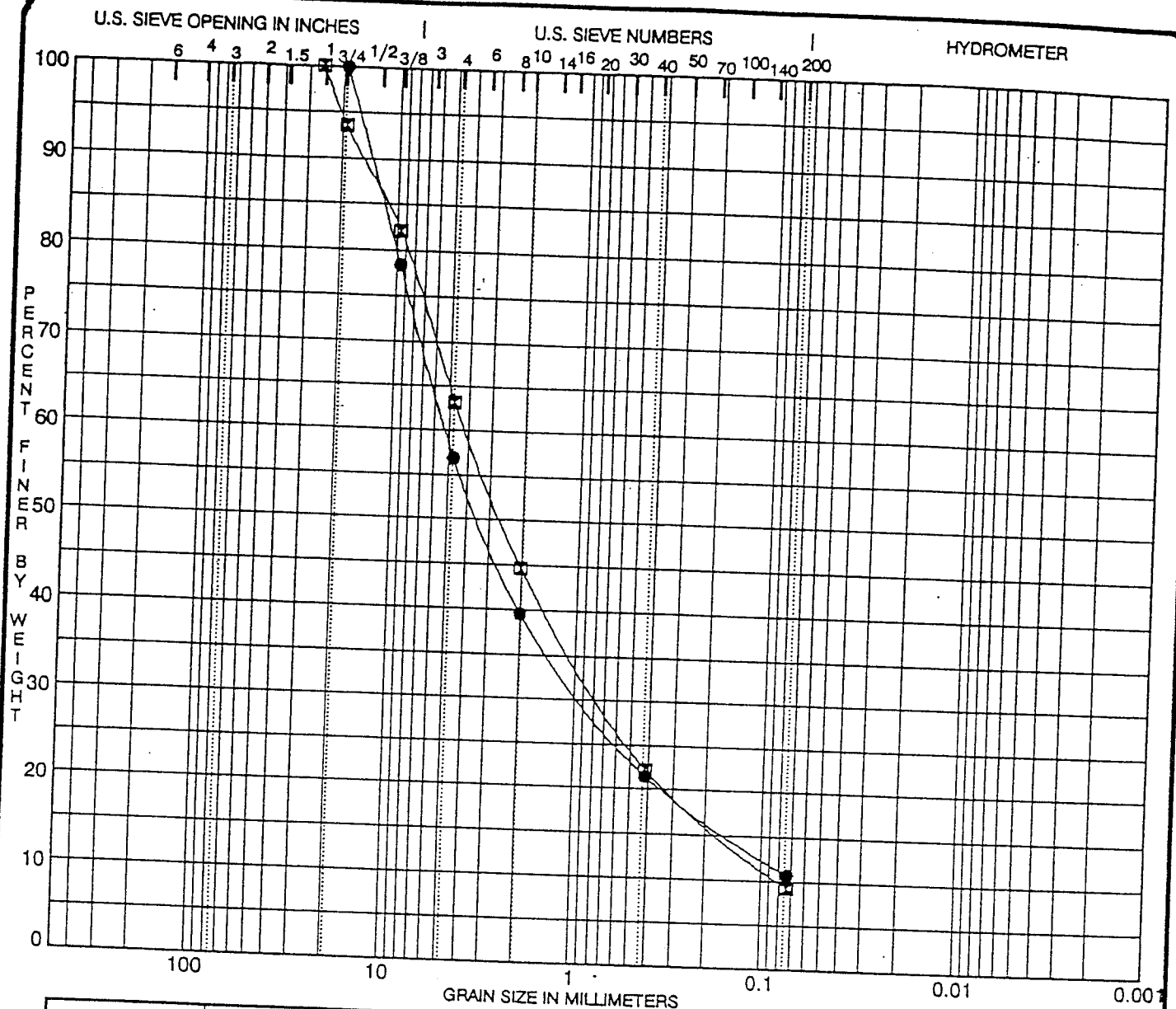
SS - Driven Split Spoon
ST - Pressed Shelby Tube
CA - Continuous Flight Auger
RC - Rock Core
CU - Cuttings
CT - Continuous Tube

Groundwater

At Completion _____ ft.
After _____ hours _____ ft.
Water on Rods 5.0 ft.
At Survey _____ ft.

Boring Method

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
DC - Driving Casing
HP - Hydraulic Push



MARTIN MARIETTA AGGREGATES

McGINNIS PROPERTY
ZENIA, OHIO

TEST HOLE #1
7'-15'

CHRIS GASTIGER
AUGUST 08, 2000

Minus #4	Plus #4
B.W. = 709.3	B.W. = 3107.3
- Top 6 618.2	A.W. = 3087.9
-200 TTL. 91.1	Diff. = 19.4
B.W. = 709.3	Percent = 0.6
A.W. = 623.5	Corr. Fac = 0.57
DIFF. = 85.8	TTL. % = 0.3
+ Dry Pan 4.9	
-200 A.W. 90.7	
Gain/Loss -0.4	

$$5.5 + 0.3 = 5.8$$

Screen Weight % Retained % Passing

Screen	Weight	% Retained	% Passing
4"			
3 1/2"			
3"	940	7	100
2 1/2"	—	—	93
2"	—	—	93
1 1/2"	660	5	93
1"	1220	9	88
3/4"	920	7	79
1/2"	1430	11	72
3/8"	810	6	61
# 4	1630	12	55
			43

Screen	Weight	% Retained	% Passing
# 8	149.4	9	34
# 16	138.9	8	26
# 30	162.4	10	16
# 50	120.9	7	9
# 100	31.9	2	7
# 200	14.7	1	5.8
Pan	5750	4.9	5.5
	90.7	43	
Total	13360	708.9	100.0

MARTIN MARIETTA AGGREGATES

MCGINNIS PROPERTY
XENIA, OHIO

TEST HOLE #5
6'-28'

CHRIS GASTIGER
AUGUST 08, 2000

Minus #4	Plus #4
B.W. = 677.7	B.W. = 3074.8
- Top 8 576.9	A.W. = 3055.9
-200 TTL. 100.8	Diff. = 18.9
B.W. = 677.7	Percent = 0.6
A.W. = 581.3	Corr.Fac = .62
DIFF. = 96.4	TTL. % = 0.4
+ Dry Pan 4.0	
-200 A.W. 100.4	
Gain/Loss -0.4	

5.6 + 0.4 = 6.0

Screen	Weight	% Retained		% Passing	
4"					
3 1/2"					
3"	1670		12		100
2 1/2"	—		—		88
2"	940		7		88
1 1/2"	770		6		81
1"	500		4		75
3/4"	580		4		71
1/2"	970		7		67
3/8"	850		6		60
#4	1990		16		54
					38
Screen	Weight				
#8	183.4		10		28
#16	179.7		10		18
#30	106.6		6		12
#50	61.6		3		9
#100	28.9		2		7
#200	16.7		1		6.0
Pan	5030	4.0	38	5.6	
		100.4			
Total	13300	677.3	100.0		

MARTIN MARIETTA AGGREGATES

CINCINNATI DISTRICT
LABORATORY
GRADATION REPORT

McGinnis property

DATE:
8/11/00

6'-27' DEPTH

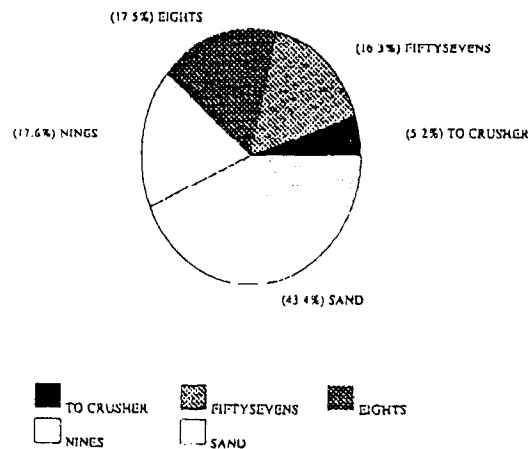
PLANT:
TEST HOLE # 8

(PASSING)

4"	100.0%
3 1/2"	100.0%
3"	100.0%
2-1/2"	100.0%
2"	97.8%
1-1/2"	97.0%
1"	94.8%
3/4"	91.7%
1/2"	84.6%
3/8"	78.5%
#4	61.0%
#8	43.4%
#16	28.1%
#30	16.1%
#50	8.6%
#100	6.1%

PRODUCT MIX

(NO ADJUSTMENTS)



PASS

#200: 4.9%

SAMPLED FROM: TEST HOLE

SAMPLED BY: MARTIN MARIETTA

TESTED BY: PAUL

COMMENTS:

MARTIN MARIETTA AGGREGATES

McGINNIS PROPERTY
XENIA, OHIO

TEST HOLE "A"

CHRIS GASTIGER
AUGUST 08, 2000

Minus #4	Plus #4
B.W. = 653.0	B.W. = 2984.6
- Top 8 573.4	A.W. = 2973.1
-200 TTL. 79.6	Diff. = 11.5
B.W. = 653.0	Percent = 0.4
A.W. = 579.8	Corr. Fac = .30
DIFF. = 73.2	TTL. % = 0.2
+ Dry Pan 5.9	
-200 A.W. 79.1	
Gain/Loss - 0.5	

$$7.5 + 0.2 = 7.7$$

Screen	Weight	% Retained		% Passing	
4"					
3 1/2"					
3"					
2 1/2"					
2"					
1 1/2"	390			100	
1"	530	3		97	
3/4"	560	5		92	
1/2"	940	5		87	
3/8"	660	8		79	
# 4	1230	6		73	
		11		62	
Screen	Weight	% Retained		% Passing	
# 8	92.7		9	53	
# 16	91.1		9	44	
# 30	88.7		8	36	
# 50	154.1		15	21	
# 100	116.2		11	10	
# 200	30.6		3	7.7	
Pan	7040	5.9	62	7.5	
Total	11350	652.5	100.0		

MARTIN MARIETTA AGGREGATES

CINCINNATI DISTRICT
LABORATORY
GRADATION REPORT

McGinnis property

DATE:
8/11/00

O DEPTH

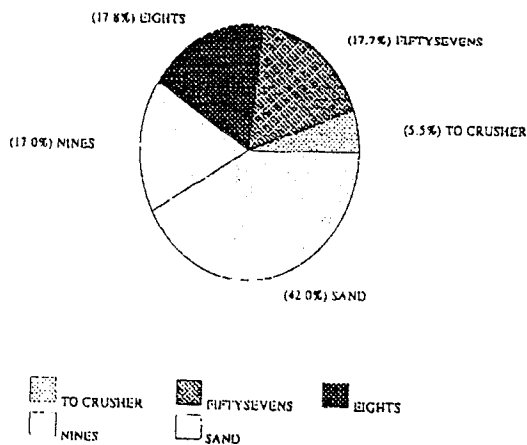
PLANT:
TEST HOLE B

(PASSING)

4"	100.0%
3 1/2"	100.0%
3"	100.0%
2-1/2"	100.0%
2"	98.4%
1-1/2"	97.5%
1"	94.5%
3/4"	89.8%
1/2"	82.6%
3/8"	76.8%
#4	59.0%
#8	42.0%
#16	28.9%
#30	19.4%
#50	10.1%
#100	6.1%

PRODUCT MIX

(NO ADJUSTMENTS)



PASS

#200: 4.8%

SAMPLED FROM: TEST HOLE

SAMPLED BY: MARTIN MARIETTA

TESTED BY: PAUL

COMMENTS:

MARTIN MARIETTA AGGREGATES

CINCINNATI DISTRICT
LABORATORY
GRADATION REPORT

McGinnis property

DATE:
8/11/00

0 DEPTH

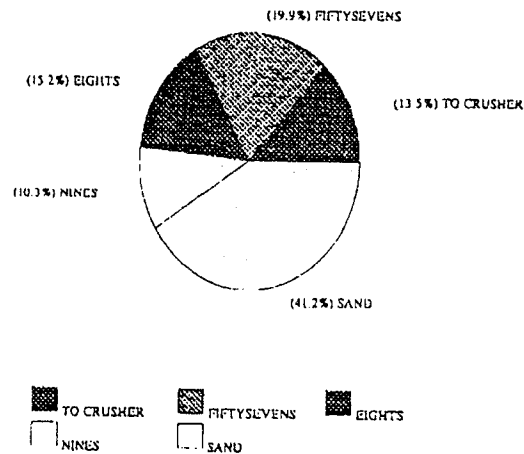
PLANT:
TEST HOLE C

(PASSING)

4"	100.0%
3 1/2"	100.0%
3"	100.0%
2-1/2"	97.5%
2"	97.5%
1-1/2"	93.7%
1"	86.5%
3/4"	81.2%
1/2"	72.7%
3/8"	66.6%
#4	51.4%
#8	41.2%
#16	26.4%
#30	11.1%
#50	5.5%
#100	3.7%

PRODUCT MIX

(NO ADJUSTMENTS)



PASS

#200: 2.9%

SAMPLED FROM: TEST HOLE

SAMPLED BY: MARTIN MARIETTA

TESTED BY: PAUL

COMMENTS:

1023

MARTIN MARIETTA AGGREGATES

McGINNIS PROPERTY
XENIA, OHIO

TEST HOLE "D"

CHRIS GASTIGER
AUGUST 8, 2000

Minus #4	Plus #4
B.W. = 672.5	B.W. = 2618.5
- Top 6 526.9	A.W. = 2607.7
-200 TTL. 145.6	Diff. = 10.8
B.W. = 672.5	Percent = 0.4
A.W. = 531.7	Corr. Fac = .59
DIFF. = 140.8	TTL. % = 0.2
+ Dry Pan 4.5	
-200 A.W. 145.3	
Gain/Loss -0.3	

8.9 + 0.2 = 9.1

Screen	Weight GRAMS	% Retained	% Passing
4"			
3 1/2"			
3"			
2 1/2"			
2"	520	3	100
1 1/2"	520	3	97
1"	1940	13	94
3/4"	1270	9	81
1/2"	1700	12	72
3/8"	880	6	60
# 4	1740	13	54
			41
Screen	Weight		
# 8	121.8	7	34
# 16	137.3	8	26
# 30	96.3	6	20
# 50	86.0	5	15
# 100	58.9	3	12
# 200	26.6	2	9.1
Pan	6050	4.5	
	145.3	41	8.9
Total	14620	672.2	100.0

VERY SILTY MATERIAL

MARTIN MARIETTA AGGREGATES

McGINNIS PROPERTY
XENIA, OHIO

TEST HOLE "E"

CHRIS GASTIGER
AUGUST 08, 2000

Minus #4	Plus #4
B.W. = 461.4	B.W. = 3167.9
- Top 6 581.5	A.W. = 3154.8
-200 TTL. 79.9	Diff. = 13.1
B.W. = 461.4	Percent = 0.4
A.W. = 584.0	Corr. Fac = .48
DIFF. = 77.4	TTL. % = 0.2
+ Dry Pan 2.8	
-200 A.W. 80.2	
Gain/Loss + 0.3	

$$6.3 + 0.2 = 6.5$$

Screen	Weight GRAMS	% Retained	% Passing
4"			
3 1/2"			
3"			
2 1/2"			
2"			
1 1/2"	1020	5	100
1"	1000	5	95
3/4"	1290	7	90
1/2"	1910	10	83
3/8"	1170	6	73
# 4	2760	15	67
			52
Screen	Weight		
# 8	169.9	13	39
# 16	192.2	15	24
# 30	138.0	11	13
# 50	50.2	4	9
# 100	20.4	2	7
# 200	10.8	1	6.5
Pan	9410	2.0	
	80.2	52	6.3
Total	18560	100.0	

MARTIN MARIETTA AGGREGATES

MC GINNIS PROPERTY
XENIA, OHIO

TEST HOLE "F"

CHRIS GASTNER
AUGUST 8, 2000

Minus #4	Plus #4
B.W. = 668.2	B.W. = 3168.9
- Top 6 610.7	A.W. = 3156.9
-200 TTL. 57.5	Diff. = 12.0
B.W. = 668.2	Percent = 0.4
A.W. = 614.8	Corr. Fac = 0.52
DIFF. = 53.4	TTL. % = 0.2
+ Dry Pan 4.0	
-200 A.W. 57.4	
Gain/Loss -0.1	

4.1 + 0.2 = 4.3

Screen	Weight GRAMS	% Retained	% Passing
4"			
3 1/2"			
3"			
2 1/2"			
2"	680		100
1 1/2"	1012	4	96
1"	1010	6	90
3/4"	1120	6	84
1/2"	1350	7	77
3/8"	1030	8	69
#4	2300	7	62
		14	48

Screen	Weight	% Retained	% Passing
#8	1480		
#16	168.4	11	37
#30	150.6	12	25
#50	104.6	11	14
#100	27.5	8	6
#200	11.6	2	4
Pan	7290	1	4.3
	57.4		
Total	15790	48	
	668.1	100.0	