

MACK WYLAND concrete GRAVEL

Summary of Results: #57 Coarse Aggregate

Sieve Size	Weight Retained	Percent Retained	Percent Passing	Specifications % Passing
1 1/2"				
1"	1.8	7.2	92.7	95-100
3/4"	9.4	37.9	62.0	
1/2"	21	84.6	15.3	25-60
3/8"	24	96.7	3.2	
#4	24.8			0-10
#8				0-5
Pan				

Decant (- 200) = 0.1 %
Unit Weight = 97.0 lbs pcf

Specific Gravity = 2.57
Absorption = 1.3 %

MACK WYLAND
SAND

Product: Concrete Sand			Date: 7-16-26		Time: 1:00	
Production Cone: _____ Load-Out: ☒			Cone: FLOWE PILE		BLUTES	
Sieve Size	Weight Retained	Percent Retained	Percent Passing	Specifications		
				TXDOT	LADOTD	ASTM C-33
3/8 in.	0	0	0	≥100	≥100	≥100
#4	19.8	5.10	94.9	95-100	95-100	95-100
#8	48.5	12.50	87.5	80-100		80-100
#16	79.6	20.53	79.47	50-85	45-90	50-85
#30	152.7	39.38	60.62	25-65		25-50
#50	313.5	80.86	19.14	10-35	7-30	5-30
#100	379.7	97.93	2.07	0-10	0-7	0-10
#200	386.6	99.71	0.29	0-3	0-3	
Pan	387.7	0	0			
		F.M.	2.56	2.3-3.1	2.3-3.1	2.3-3.1
Station	Settings	S.E.	98	≥80		
1		Is the material within specification?			Yes: ☒	No:
2		If no, what is the resolution?				
3						
4						
5		Other Comments: MACK WYLAND				
6		FLOWE SAND PILE				
7						
8		SE Worksheet		(Sand (Minus 10) / Clay) *100 = SE		
9		Soak Time	Sed. Time	Sand Reading	Clay Reading	
10						
11				4.2	4.3	97.67

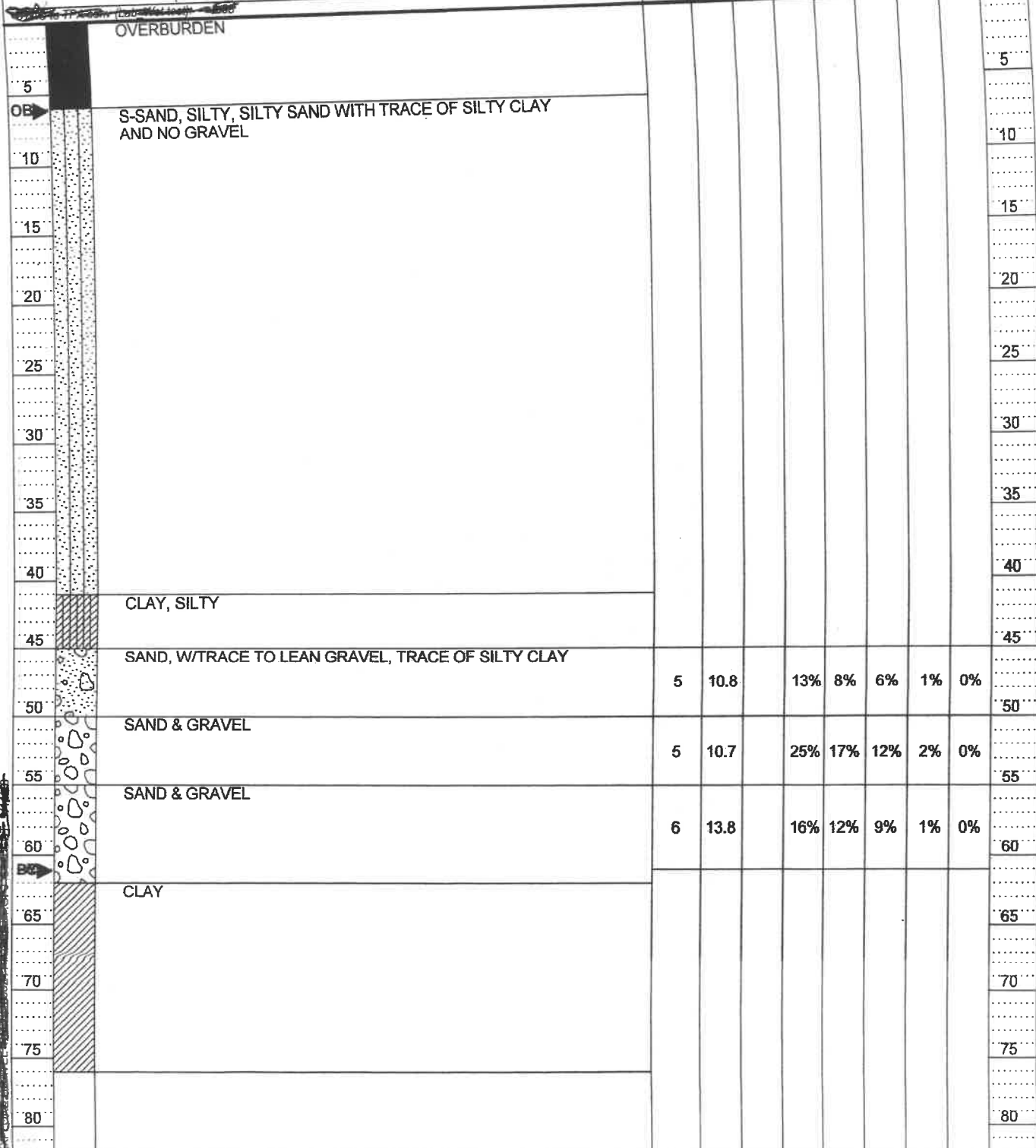
GRAVEL EXPLORATION

(pg. 1 of 1)

DRILLER **BILLY LOTES** LATITUDE **30.882528** HOLE ID **MAK 1**
 DRILL METHOD **SONIC** LONGITUDE **93.439012** PROJECT
 Est. Wt. Level (ft.) **7** ELEVATION DATE

TOTAL DEPTH: 76

	OB	Avg. FM	Sand Thick.	BY	Samp. Thick.	Avg. % >1/4"	TPA* >1/4"	MR 1/4"	Thick, ft.	Tested Wt. (lbs.)	#8	> 1/4"	> 3/8"	> 1/2"	> 1"	> 1-1/2"	Depth, ft.
TOTAL HOLE	6			61	16	18%	6,195	21.3									
PRODUCTION CUTOFF	-	-	-	61	16	18%	6,195	21.3									
OVERBURDEN																	
5																	5
10																	10
15																	15
20																	20
25																	25
30																	30
35																	35
40																	40
45																	45
50									5	10.8		13%	8%	6%	1%	0%	50
55									5	10.7		25%	17%	12%	2%	0%	55
60									6	13.8		16%	12%	9%	1%	0%	60
65																	65
70																	70
75																	75
80																	80



GRAVEL EXPLORATION

DRILLER Billy Lutes LATITUDE 30.885640 HOLE ID MACK 2 (pg. 1 of 1)
 DRILL METHOD sonic LONGITUDE -93.443090 PROJECT
 Est. Wt. Level (ft.) 12 ELEVATION DATE

	OB	Avg. FM	Sand Thick.	BY	Samp. Thick.	Avg. % >1/4"	TPA* >1/4"	MR 1/4"	TOTAL DEPTH: 76								
TOTAL HOLE	16			63	42	22%	19,749	6.9	Thick, ft.	Tested Wt. (lbs.)	#8	1/4"	3/8"	1/2"	1"	1-1/2"	Depth, ft.
PRODUCTION CUTOFF	-	-	-	63	42	22%	19,749	6.9									
OVERBURDEN																	
5																	
10																	
15																	
OB																	
20																	
25																	
30									5	10.5		1%	1%	1%	0%	0%	
35									5	10.7		19%	17%	15%	3%	0%	
40									5	11.0		24%	23%	21%	12%	0%	
45									5	11.0		18%	17%	15%	3%	0%	
50									5	10.6		24%	17%	11%	0%	0%	
55									5	11.0		25%	18%	12%	2%	0%	
60									5	11.0		25%	13%	7%	1%	0%	
65									5	11.0		31%	23%	16%	4%	0%	
70									2	7.8		33%	31%	29%	21%	0%	
75																	
80																	

GRAVEL EXPLORATION

DRILLER **Billy Lutes** LATITUDE **30.888102** HOLE ID **MACK 3** (pg. 1 of 2)
 DRILL METHOD **Sonic** LONGITUDE **-93.441258** PROJECT
 Est. Wt. Level (ft.) **9** ELEVATION DATE

	OB	Avg. FM	Sand Thick.	BY	Samp. Thick.	Avg. % >1/4"	TPA* >1/4"	MR 1/4"	TOTAL DEPTH: 86							
TOTAL HOLE	6			72	51	23%	25,150	6.2								
PRODUCTION CUTOFF	-	-	-	72	51	23%	25,150	6.2								
	Thick, ft.	Tested Wt. (lbs.)	#8	1/4"	3/8"	1/2"	1"	1-1/2"	Depth, ft.							
OVERBURDEN																
5									5							
OB SAND, FINE GRAINED, NO GRAVEL																
10									10							
15									15							
20									20							
SAND, W/TRACE TO LEAN GRAVEL																
25	5	10.7		3%	3%	2%	0%	0%	25							
SAND, W/TRACE TO LEAN GRAVEL																
30	5	11.1		7%	6%	4%	1%	0%	30							
SAND & GRAVEL																
35	5	10.8		27%	23%	18%	2%	0%	35							
SAND & GRAVEL																
40	5	10.8		14%	12%	11%	3%	0%	40							
SAND, W/TRACE TO LEAN GRAVEL																
45	5	10.7		13%	7%	4%	0%	0%	45							
SAND, W/TRACE TO LEAN GRAVEL																
50	5	10.9		15%	8%	4%	0%	0%	50							
SAND & GRAVEL																
55	5	10.9		27%	13%	6%	0%	0%	55							
SAND & GRAVEL																
60	5	10.8		34%	20%	13%	2%	0%	60							
GRAVEL, WITH SAND																
65	5	11.1		45%	37%	32%	14%	0%	65							
SAND & GRAVEL																
70	6	13.0		40%	31%	24%	6%	0%	70							
CLAY																
75									75							
80									80							

GRAVEL EXPLORATION

DRILLER **Billy LUTES**
 DRILL METHOD **SONIC**
 Est. Wt. Level (ft.) **9**

LATITUDE
 LONGITUDE
 ELEVATION

30-**887281**
93.439211

HOLE ID **MACK 4**
 PROJECT
 DATE

(pg. 1 of 2)

TOTAL DEPTH: 116

	OB	Avg. FM	Sand Thick.	BY	Samp. Thick.	Avg. % >1/4"	TPA* >1/4"	MR 1/4"	Thick. ft.	Tested Wt. (lbs.)	#8	> 1/4"	> 3/8"	> 1/2"	> 1"	> 1-1/2"	Depth, ft.
TOTAL HOLE	6			86	70	27%	40,301	4.6									
PRODUCTION CUTOFF	-	-	-	86	70	27%	40,301	4.6									
OVERBURDEN																	5
SAND, FINE GRAINED																	10
SAND, W/TRACE TO LEAN GRAVEL									5	10.9		8%	7%	5%	1%	0%	20
SAND & GRAVEL									5	11.0		37%	31%	26%	4%	0%	25
SAND & GRAVEL									5	11.0		30%	25%	20%	5%	0%	30
SAND & GRAVEL									5	11.1		43%	38%	34%	13%	0%	35
SAND & GRAVEL									5	11.0		31%	24%	19%	5%	0%	40
SAND & GRAVEL									5	10.8		45%	33%	26%	9%	0%	45
SAND & GRAVEL									5	10.8		21%	11%	6%	0%	0%	50
SAND & GRAVEL									5	10.8		26%	11%	5%	1%	0%	55
SAND & GRAVEL									5	10.9		29%	23%	17%	5%	0%	60
SAND & GRAVEL									5	11.0		32%	19%	11%	2%	0%	65
SAND & GRAVEL									5	11.1		33%	27%	22%	10%	0%	70
SAND & GRAVEL									5	10.8		14%	12%	11%	2%	0%	75
SAND, W/TRACE TO LEAN GRAVEL									5	10.6		18%	7%	2%	0%	0%	80

BORING ID **MARK 4** (pg. 2 of 2)
PROJECT

[illegible]