

Report of Pile Driving Monitoring

Client: St. Tammany Fire Protection District No. 1
Chief Chad Duffaut
522 Robert Boulevard
Slidell, LA 70458

Project: Fire Station No. 10 - Lakeshore Vista Boulevard,
Slidell, Louisiana

Report Date: 05/25/2026 **Sample Date:** 05/21/2026 **Project No:** C26-024
Sample No: 57923 **Report No:** 008

Weather: Cloudy

Temperature Range: 73° F to 83° F

Type of Service: Pile Logging

Our representative reported to the above referenced project site to monitor the installation of 30 ft. treated timber piles. On this date, 72 piles were driven. The pile driving records are attached to this report.

Technician: Tina Coffey

Respectfully Submitted,
Stratum Engineering, LLC



Robert Fowler, Senior Project Manager

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Sample No: 57923 **Report No:** 008

- 1-ec Dammon Engineering Attn: Mr. Chuck Dammon
- 1-ec Dynamic Constructors, LLC Attn: Mr. Jeff Hymel
- 1-ec Dynamic Constructors, LLC
Attn: Reports Office
- 1-ec St. Tammany Fire Protection District No. 1
Attn: Chief Chad Duffaut
- 1-ec Dynamic Constructors, LLC
Attn: Mr. Justin Wilkes
- 1-cc Laboratory

Technician: Tina Coffey

Respectfully Submitted,
Stratum Engineering, LLC



Robert Fowler, Senior Project Manager



RECORD OF PILE DRIVING

Client: St. Tammany Fire Protection District No. 1

Contractor: Dynamic Constructors, LLC

Project: Fire Station No. 10 Slidell, LA

Driven by: Osborne Pile Driving

Work Order No: 57923

Project No: C26-024

Report Date: 21 May 20

The piles were 30 feet long small treated timber piles conforming to ASTM D-25 having a minimum 6- inch tip diameter and 8- inch butt diameter. The piles were driven utilizing a Junttan HHK hydraulic activated hammer set to deliver approximately 7,500 ft.-lbs. of energy per blow. The Pile driving records are as follows:

Pile No.	235	223	150	200	159	190	149	199	148	189
Tip dia., in	6	6	6.5	6	6	6	6.5	7	6	6
Butt dia., in	8	8	8	8	8	8	8	10	8.5	9
Length of pile, ft.	30	30	30	30	30	30	30	30	30	30
PENETRATION IN FEET										
	BLOWS PER FOOT									
0 - 10	WOH	WOH	WOH	WOH	WOH	WOH	WOH	WOH	WOH	WOH
11	↓	3	5	T	10	6	5	6	7	4
12	↓	4	8	2	10	11	6	8	↓	15
13	6	2	7	23	12	26	15	11	110	110
14	4	13	1904"	1808"	1905"		21	1706"	1903"	19
15	21	1803"								22
16										
17										
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Technician T.C.

Remarks: The piles were pre-drilled to a depth of 9 feet utilizing a 4 inch diameter bit.

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 Client: St. Tammany Fire Protection
District No. 1

Contractor: Dynamic Constructors, LLC

 Project: Fire Station No. 10
Slidell, LA

Driven by: Osborne Pile Driving

 Work Order No: 57923

Project No.: C26-024

 Report Date: 21 May 26

The piles were 30 feet long small treated timber piles conforming to ASTM D-25 having a minimum 6- inch tip diameter and 8- inch butt diameter. The piles were driven utilizing a Junttan HHK hydraulic activated hammer set to deliver approximately 7,500 ft.-lbs. of energy per blow. The Pile driving records are as follows:

Pile No.	158	157	198	188	176	175	174	173	172	171
Tip dia., in	6	6	6	6	6	6	6	6	6	6
Butt dia., in	8	8	8	8	8	8	8	8	8	8
Length of pile, ft.	30	30	30	30	30	30	30	30	30	30
PENETRATION IN FEET										
	BLOWS PER FOOT									
0 - 10	WOH	WOH	WOH	WOH	WOH	WOH	WOH	WOH	WOH	WOH
11	2	4	6	4	3	3	19	10	8	12
12	10	3	17	12	6	8	17	8	12	17
13	19	18	19	16	10	15	18.6"	19	18	15
14	24	24	19.4"	18.6"	19.3"	21		20	20	19
15								21	20	
16										
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Pile No.	156	170	169	197	187	168	167	166	155	165
Tip dia., in	6	6	6	6	6.5	6	7	6	6	7
Butt dia., in	8	8	8	8	8.5	8	9	8	8.5	9.5
Length of pile, ft.	30	30	30	30	30	30	30	30	30	30

PENETRATION IN FEET	BLOWS PER FOOT									
	0 - 10	WOH	WOH	WOH	WOH	WOH	WOH	WOH	WOH	WOH
11	2	3	4	7	3	4	1	2	11	5
12	3	4	6	13	7	8	5	15	9	6
13	4	10	18	17	20	14	7	5	10	7
14	10	13	20	19.6"	17	21	19	20	21	19
15	21	17.6"			21	18.6"	20			
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Pile No.	196	186	164	163	162	161	195	154	185	160
Tip dia., in	6	7	4	6	6	6	6	6	6	6
Butt dia., in	8	9	8	8	8	8	8	8	8	8
Length of pile, ft.	30	30	30	30	30	30	30	30	30	30
PENETRATION IN FEET										
	BLOWS PER FOOT									
0 - 10	WOH	WOH	WOH	WOH	WOH	WOH	WOH	WOH	WOH	WOH
11	4	4	2	7	4	2	1	2	4	4
12	4	14	7	4	15	12	7	5	3	12
13	10	6	12	12	8	17	10	4	12	16
14	17	21	8	22	21	18.6"	5	18	9	19.6"
15	1.806"		20				1.7	18.05"	16	
16							19.6"		19	
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Pile No.	194	184	153	183	193	182	152	181	192	180
Tip dia., in	6	6	6	7	7	6	6	6	6	6
Butt dia., in	8	8	8	9	9	8	8	8	8	8
Length of pile, ft.	30	30	30	30	30	30	30	30	30	30
PENETRATION IN FEET										
	BLOWS PER FOOT									
0 - 10	WOH	WOH	WOH	WOH	WOH	WOH	WOH	WOH	WOH	WOH
11	2	4	1	2	5	2	1	2	2	2
12	3	7	4	1	6	10	2	4	3	4
13	7	11	10	3	6	8	2	6	4	4
14	12	7	12	4	7	6	3	4	5	5
15	6	17	1807"	7	6	4	4	5	6	10
16	19	20		6	5	3	6	5	5	9
17				5	4	4	2	4	5	8
18				7	4	3	3	4	4	4
19				8	5	3	3	4	4	4
20				5	5	3	3	3	3	6
21				6	4	4	2	3	3	5
22				6	5	6	3	3	3	3
23				6	5	4	3	2	3	3
24				5	5	4	5	3	4	4
25				3	4	4	5	3	3	3
26				4	3	3	4	4	4	3
27				3	4	4	5	3	4	4
28				3	4	4	5	3	5	4
29				4	4	5	6	4	6	5
30				4	4	5	6	4	6	5
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Pile No.	179	178	151	177	191	143 R	234	233	232	231
Tip dia., in	6	6	6	6	6	6	6	6	6	6
Butt dia., in	8	8	8	8	8	8	8	8	8	8
Length of pile, ft.	30	30	30	30	30	30	30	30	30	30
PENETRATION IN FEET										
	BLOWS PER FOOT									
0 - 10	woH	woH	woH	woH	woH	woH	woH	woH	woH	woH
11	2	3	5	1	2	3	2	2	3	4
12	6	1	3	4	1	7	4	6	5	6
13	6	2	4	5	3	3	6	5	18	14
14	8	5	2	4	3	13	3	8	7	10
15	6	5	2	4	3	18	18	20	23	19
16	3	6	2	5	4	19@3"	19@6"			
17	3	6	3	5	4					
18	5	6	8	6	1					
19	4	8	8	5	3					
20	3	6	7	4	5					
21	5	7	7	4	4					
22	4	7	8	4	4					
23	5	8	4	7	6					
24	5	7	4	4	4					
25	4	4	4	7	5					
26	6	1	6	8	4					
27	6	1	7	7	4					
28	3	2	3	7	3					
29	4	3	3	7	7					
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Pile No.	230	239	222	218	217	216	215	214	213	204
Tip dia., in	6	6	7	6	7	6.5	6	6	6	6
Butt dia., in	8	8	10	8	9	8.5	8	8	8	8.5
Length of pile, ft.	30	30	30	30	30	30	30	30	30	30
PENETRATION IN FEET										
	BLOWS PER FOOT									
0 - 10	woH	woH	woH	woH	woH	woH	woH	woH	woH	woH
11	2	4	5	6	1	3	5	4	1	4
12	4	3	5	7	4	3	10	7	2	12
13	5	4	8	15	9	9	17	4	4	10
14	4	4	10	12	4	6	19	20	19	17
15	9	18@4"	17@3"	20	18@6"	17@3"	17@3"	18@6"	20	19@6"
16	19@3"									
17										
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Pile No.	263	262							
Tip dia., in	6	6							
Butt dia., in	8	8							
Length of pile, ft.	30	30							
PENETRATION IN FEET			BLOWS PER FOOT						
0 - 10	8	4							
11	6	7							
12	7	5							
13	16	12							
14	190G"	180G"							
15									
16									
17									
18									
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 Technician T.C.

 Remarks: The piles were pre-drilled to a depth of 9 feet utilizing a 4 inch diameter bit.
 Pile 262 broke at 13 feet 6 inches of penetration.