## lowa Department of Transportation

## ENGLISH LOG OF PILING DRIVEN WITH WAVE EQUATION

Project No. Anybody's Guess	Pile (Type and Size) Steel HP 10 x 42
County Someplace in Iowa	(Wood, Steel or Concrete)
Design No. 389	Hammer (Type & Model) Delmag D-12
Contractor Somebody Construction Co.	(Gravity or Diesel manufacturer and model)
Driving Graph No. <u>40-306-01-755</u>	Foundation Description North Abutment
Plan Driving Resistance 40 Tons	(North abut, Pier 1, etc.)

Station of Foundation C.L. 1336+88.40

Sketch foundation below, number each pile and show steel H-pile orientation as installed. Note battered piles on sketch, and give the amount of batter. Place name and certificate number of welder below if welding was necessary. Forward copies, including driving graph, as outlined in the construction manual. Note on drawing which pile has been logged.

Batter Pi	ling	in the	e direction	shown.											
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		(1)						RET	<b>AP</b> (2)			PILE E	EXTENSIO	<b>DNS</b> (3)		
		Plan	Length	Blows	Ram	Driven		Ram	Blows	Driven	Length	Length	Ram	Blows	Driven	
Pile	Date	Length	Cutoff	Per	Rise	Resistance	D. I.	Rise	Per	Resistance	Added	Cutoff	Rise	Per	Resistance	
No.	Driven	(ft.)	( 0.0 ft.)	Foot	( ft.)	(Tons)	Date	(ft.)	Foot	(Tons)	(0.0 ft.)	( 0.0 ft.)	(ft.)	Foot	(Tons)	( Count
1	01/05/06	60	0.0	33	5.0	31	01/06/06	5.0	35	33	10.0	3.0	6	69	52	1
2	01/05/06	60	0.0	35	5.0	33	01/06/06	5.5	40	46						
3	01/05/06	60	0.8	40	5.0	42										
4	01/05/06	60	0.3	70	6.0	53										
5	01/05/06	60	0.4	74	6.0	54										
										-						
														T	otal Welds:	1
(1)	Record in t	he Remark	ks section b	pelow if the	e pile lengt	h is anything	other than	the plan le	ength at the	e beginning o	of drive.					
(2)	Indicate da	te of retap	in date col	umn ( 1 da	ay delay m	in.). List only	pile actual	y checked					Pla	an Length:	300.0	Feet

(3) Additional pile length to be authorized by Construction Office.

Welders Name:		Lab No.:	Exp. Date:		Total: <u>310.0</u> Fee
Remarks:					
	Inspector	Date		Project Engineer	

Extensions:

10.0 Feet

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## ENGLISH LOG OF PILING DRIVEN WITH WAVE EQUATION

Project No.	Anybody's Guess		Pile (Type and Size)						
County	Someplace in Iowa			(Wood, Steel or Concrete)					
Design No.	389		Hammer (Type & Model)						
Contractor	Somebody Construction Co.		(Gravity or Diesel manufacturer and model)						
Driving Gr	aph No. 40-306-01-755		Foundation Description North Abutment						
Plan Driving Re	sistance 40	Tons		(North abut, Pier 1, etc.)					

Station of Foundation C.L. 1336+88.40

Sketch foundation below, number each pile and show steel H-pile orientation as installed. Note battered piles on sketch, and give the amount of batter. Place name and certificate number of welder below if welding was necessary. Forward copies, including driving graph, as outlined in the construction manual. Note on drawing which pile has been logged.

Batter Piling		in th	in the direction shown.													
					-				•		-	•			-	
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		(1)						RET	<b>AP</b> (2)			PILE I	EXTENSIO	ONS (3)		
		Plan	Length	Blows	Ram	Driven		Ram	Blows	Driven	Length	Length	Ram	Blows	Driven	
Pile No.	Date Driven	Length	Cutoff	Per Foot	Rise	Resistance	Date	Rise	Per Foot	Resistance (Tons)	Added	Cutoff	Rise	Per Foot	Resistance (Tons)	Welds (Count)
3	01/05/06	(ft.) 25.0	( 0.0 ft.)	6	(ft.) 4.5	(Tons) 10	Dale	(ft.)	FUUL	(10115)	(0.0 ft.)	( 0.0 ft.)	(ft.)	FUUL	(10115)	(Count)
3	01/05/06	30.0		8	4.5	10									-	
		30.0		0 9	4.5	13									-	
		40.0		9 12	4.5	14									-	
		40.0		12	4.5 5.0	20									-	
		40.0 50.0		24	5.0	20									-	
		55.0		30	5.0	30										
		56.0		30	5.0	30										
		57.0		32	5.0	34										
		58.0		37	5.0	36										
				-												
		59.0	0.0	38	5.0	39										
		60.0	0.8	40	5.0	42										
					I	1			I	1				-	atel Male's	
(1)	Record in t	he Remark	s section t	below if the	e pile lenat	h is anything	other than	the plan le	enath at the	e beainnina a	of drive.			1	otal Welds:	1
						in.). List only			-				Pla	an Length:		Feet
• •	Additional				• •	· ·										
x-7		, J.		··· <b>·</b>									_			
Weld	ers Name:				Lab No.:		E	Exp. Date:		_				Total:		Feet

lers Name:	 Lab No.:	Exp. Date:	Tot
Remarks:			

Date

Project Engineer