LOG OF PILING DRIVEN BY FORMULA

		O OF FILING DRIVEN DEFORMOLA
Project No. BRM-4062(2)8	N-57	Pile (Type and Size) Steel HP 10 x 42
County Linn		(Wood, Steel or Concrete)
Design No. 1276		Hammer (Type & Model) Diesel Delmag D22
Contractor Lunda Constru	ction Company	(Gravity or Diesel manufacturer and model)
Iowa DOT Hammer No.		Foundation Description North Abutment
Gross Weight of Hammer	Effective Wt.	(North abut, Pier 1, etc.)
Weight of Driving Parts 4850	bs	Station of Foundation C.L. 322+82
Weight of Anvil 1600 lbs		
Weight of Cap 2100 lbs	Cap No 930	Formula Used (3E/ S+0.1) x (W/ W+M)
Weight of Pile 1764 lbs - 42' 8	2226 lbs - 53'	
Plan Pile Length 42'		Plan Driving Resistance 35 Ton
· · · · · · · · · · · · · · · · · · ·	•	n as installed. Note battered piles on sketch, and give the amount of batter. Place name and certifica DT District Office upon completion of each foundation. Note on drawing which pile has been logged.

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Batter Pi	ling	in the	direction	shown.									
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				1	2	3	4	-5				N	
	Logge	ed Pile			-					-			
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				(2)			RETAP (3)									
		(1)		Average					(2) Ave.					(2) Ave.		1
		Plan		Penetration		Driven			Penetration		Length	Length		Penetration		
Pile No.	Date Driven	Length		Last Blows	Rise	Resistance	Date	Rise		Resistance	Added (0.0 ft.)	Cutoff (0.0 ft.)		Last Blows		Welds
		(ft.)	(0.0 ft.)	(inches)	(ft.)	(Tons)	Date	(ft.)	(inches)	(Tons)	(0.0 π.)	(υ.υ π.)	(ft.)	(inches)	(Tons)	(Count)
1	05/24/06	42	0.4	0.362	5.0	37.0										
2	05/24/06	42	0.0	0.650	5.0	20.5					11.0	0.2	6.0	0.379	41	1
3	05/24/06	42	0.0	0.675	4.5	19.9					11.0	0.4	6.0	0.379	41	1
4	05/24/06	42	0.0	0.725	4.5	18.7	05/25/06	5.0	0.510	28.0	11.0	0.3	6.0	0.416	38	1
5	05/24/06	42	0.0	0.750	4.5	18.1	05/25/06	5.0	0.450	31.0	11.0	0.4	6.0	0.391	40	1

1)	Record in the Remarks section below if the pile length is anything other than the plan length at the beginning of drive.

Total Welds: 4

- (1) (2) For gravity hammers, enter the penetration in the last 5 blows divided by 5. For steam or diesel hammers, enter the penetration in the last 10 blows divided by 10.
- (3) Indicate date of retap in date column (1 day delay min.). List only pile actually checked.

(4	1)	Additional	pile	length	to be	authorized	by	the	Engineer	

210.0 Feet Plan Length: Extensions: 44.0 Feet

254.0 Feet Total:

Welders Name: <u>I</u>	_eroy Riedesel	Lab No.: ASB-393	Exp. Date: 12/31/07	٦	Total:	254.0
Remarks:						
_	Inspector	Date		Project Engineer		
	irispecioi	Date		Project Engineer		

01/31/07 Appendix 11-22.4