

LOG OF PILING DRIVEN BY FORMULA

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	lbs	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' &	& 2226 lbs - 53'						
Plan Pile Length 42'		Plan Driving Resistance 35 Ton					

Batter F	Batter Piling		in the direction shown.												
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	Logge	ed Pile	•												
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				(2)			RETAP (3)				PILE EXTENSIONS (4)					
		(1)		Average					(2) Ave.					(2) Ave.		
Pile	Date	Plan	Length Cutoff	Penetration Last Blows	Ram Rise	Driven Resistance		Ram Rise	Penetration	Driven Resistance	Length Added	Length Cutoff	Ram Rise	Penetration Last Blows	Driven Resistance	Welds
No.	Driven	Length (ft.)	(0.0 ft.)	(inches)	(ft.)	(Tons)	Date	(ft.)	(inches)	(Tons)	(0.0 ft.)	(0.0 ft.)	(ft.)	(inches)	(Tons)	(Count)
1	05/24/06	42	0.4	0.362	5.0	37.0	Duto	(10)	(1101100)	(1010)	(0.0 10.)	(0.0 1)	(11.)	(1101100)	(1010)	(000111)
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	0.2	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	0.4	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	0.3	6.0	0.391	40	1
5	03/24/00	42	0.0	0.750	4.5	10.1	03/23/00	5.0	0.430	51.0	11.0	0.4	0.0	0.331	40	
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				w if the pile le		ything other th									otal Welds:	4

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. (2)

(3) (4) Indicate date of retap in date column (1 day delay min.). List only pile actually checked. Additional pile length to be authorized by the Engineer.

Plan Length: 210.0 Feet Extensions: 44.0 Feet

Total: 254.0 Feet

Lab No.:	ASB-393	

Exp. Date: 12/31/07

Remarks:

01/31/18

Inspector

Welders Name: Leroy Riedesel

Project Engineer