



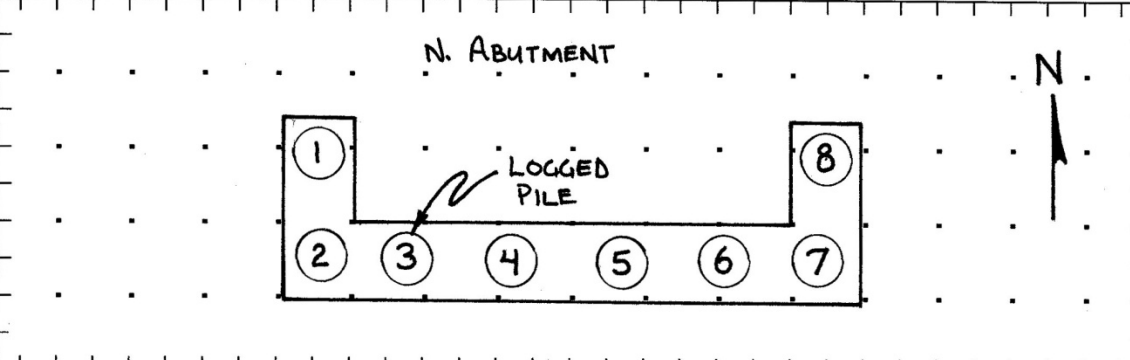
Iowa Department of Transportation
ENGLISH LOG OF PILING DRIVEN WITH WAVE EQUATION

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Project No. ANYBODY'S GUESS
 County SOMEPLACE IN IOWA
 Design No. 389
 Location of Foundation Centerline 1336+88.40
 Location NORTH ABUTMENT
(Abutment or Pier)
 Contractor SOMEBODY CONS'T. CO.
 Driving Graph No. 40-0389-1-755

Type of Piling HP 10 x 42
(Wood, or Steel Size & Type, or Concrete Size & Type)
 Hammer (Model & Type) DELMAG D12
(Gravity or Diesel)
 Plan Tip Elevation 1083 ft.
 Plan Driving Resistance 40 tons
 Observed Blows/Min. 49-50
 Hammer Energy 22.5 ft.-Kips.

Sketch foundation below. Locate each pile by circles with numbers therein. 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 as outlined in the construction manual. Note on drawing which pile has been logged.



Pile No.	Date Driven	Length in leads Nearest Foot	Length Cutoff (0.0 ft.)	Length in Structure (0.0 ft.) ^①	Blows per Foot	Ram Rise (ft.)	Driven Resistance (Tons)	RETAP ^②			PILE EXTENSIONS ^③			WELDS (Count)	
								Date	Ram Rise (ft.)	Blows per Foot	Driven Resistance (Tons)	Length Added (ft.)	Length Cutoff (0.0 ft.)		Length in Structure (0.0 ft.) ^①
1	X-XX-XX	60	—	—	33	5.0	31		5.0	35	33	10.0	3.0	67.0	1
2		60	0.0	60.0	35	5.0	33		5.5	40	46				OK-BY RETAP
3		60	0.0	60.0	40	5.0	42								
4		60	1.8	58.2	70	6.0	53								
5		60	2.6	57.4	74	6.0	54								
6		60	2.7	57.3	78	6.5	66								
7		60	5.8	54.2	80	6.5	68								
8	X-XX-XX	60	7.2	52.8	90	6.5	74								
		480	20.1	399.9											
+ 10		30	67.0	FROM EXTENSION											
TOTAL		490	23.1	466.9											
											LENGTH IN STRUCTURE	466.9'			
											CUTOFFS ≤ 5'	10.1'			
											CUTOFFS > 5' (13.0' x 0.50)	6.5'			
											FURNISH LENGTH	483.5'			

WELDER'S NAME -
 LAB No. -
 SDRS No. -
 EXP. DATE -

① For trestle pile, give length in ground plus length in structure.
 ② Indicate date of retap in date column (1 day delay min.). List only pile actually checked.
 ③ Additional pile length to be authorized by Construction Office.

Welder's Name _____ Lab No. _____ Exp. Date _____
 Remarks _____

Total Welds: 1
 Length In Structure: _____ Feet
 Cutoffs 5.0' & Under: _____ Feet
 Cutoffs over 5.0' x 0.50: _____ Feet
 Finished Length: _____ Feet

INSPECTOR & DATE _____ PROJECT ENGINEER _____

DISTRIBUTION: Original to Construction; 1 Copy to District; 1 Copy to Bridge File.

