Form 830209(E) 8/00

Iowa Department of Transportation

# ENGLISH LOG OF PILING DRIVEN WITH WAVE EQUATION

**Project No.:** _____ **Type of Piling:** _____
(Wood, or Steel Size & Type, or Concrete Size & Type)

**County:** _____

**Design No.:** _____ **Hammer ( Model & Type):** _____
( Gravity or Diesel )

**Location of Foundation Centerline:** _____

**Location:** _____ **Plan Tip Elevation:** _____ Ft.

**Contractor:** _____ **Plan Driving Resistance:** _____ Tons

**Driving Graph No.:** _____ **Observed Blows / Minute:** _____

**Hammer Energy:** _____ 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.

Batter Piling _____ in the direction shown.

| 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 Date | RETAP 2 Ram Rise (ft.) | RETAP 2 Blows Per Foot | RETAP 2 Driven Resistance ( Tons ) | PILE EXTENSIONS 3 Length Added ( ft.) | PILE EXTENSIONS 3 Length Cutoff ( 0.0 ft.) | PILE EXTENSIONS 3 In Structure ( 0.0 ft.)1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0.0 | | | | | | | | | | 0.0 |
| 2 | | | | 0.0 | | | | | | | | | | 0.0 |
| 3 | | | | 0.0 | | | | | | | | | | 0.0 |
| 4 | | | | 0.0 | | | | | | | | | | 0.0 |
| 5 | | | | 0.0 | | | | | | | | | | 0.0 |
| 6 | | | | 0.0 | | | | | | | | | | 0.0 |
| 7 | | | | 0.0 | | | | | | | | | | 0.0 |
| 8 | | | | 0.0 | | | | | | | | | | 0.0 |
| 9 | | | | 0.0 | | | | | | | | | | 0.0 |
| 10 | | | | 0.0 | | | | | | | | | | 0.0 |
| 11 | | | | 0.0 | | | | | | | | | | 0.0 |
| 12 | | | | 0.0 | | | | | | | | | | 0.0 |
| 13 | | | | 0.0 | | | | | | | | | | 0.0 |
| 14 | | | | 0.0 | | | | | | | | | | 0.0 |
| 15 | | | | 0.0 | | | | | | | | | | 0.0 |
| 16 | | | | 0.0 | | | | | | | | | | 0.0 |
| 17 | | | | 0.0 | | | | | | | | | | 0.0 |
| 18 | | | | 0.0 | | | | | | | | | | 0.0 |
| | | | | 0.0 | | | | | | | | | | 0.0 |
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| | | | | 0.0 | | | | | | | | | | 0.0 |
| | | | | 0.0 | | | | | | | | | | 0.0 |

Total Welds:

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.

Length In Structure: **0.0**
Cutoffs 5.0' & Under: 0.0
Cutoffs over 5.0' x 0.50: 0.0
Furnished Length: **0.0**

Welders Name: _____ Lab No.: _____ Exp. Date: _____

Remarks: _____

Inspector _____ Date _____ Project Engineer _____

**Distribution: Construction (original), District, Project File**

01/29/00

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Welds
( Count )

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Feet
Feet
Feet
Feet

Form 830209(M) 8/00

Iowa Department of Transportation

# METRIC LOG OF PILING DRIVEN WITH WAVE EQUATION

**Project No.:** _____ **Type of Piling:** _____
(Wood, or Steel Size & Type, or Concrete Size & Type)

**County:** _____

**Design No.:** _____ **Hammer ( Model & Type):** _____
(Gravity or Diesel)

**Location of Foundation Centerline:** _____

**Location:** _____ **Plan Tip Elevation:** _____ meters

**Contractor:** _____ **Plan Driving Resistance:** _____ kilonewtons

**Driving Graph No.:** _____ **Observed Blows / Minute:** _____

**Hammer Energy:** _____ kilojoules

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.

Batter Piling _____ in the direction shown.

| Pile No. | Date Driven | Length in leads Nearest 0.5 m | Length Cutoff (0.0 m) | Length in Structure (0.0 m) 1 | Blows Per 0.25 m | Ram Rise (m) | Driven Resistance (kN) | RETAP 2 | | | | PILE EXTENSIONS 3 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Date | Ram Rise (m) | Blows Per 0.25 m | Driven Resistance (kN) | Length Added (m) | Length Cutoff (0.0 m) | In Structure (0.0 m) 1 |
| 1 | | | | 0.0 | | | | | | | | | | 0.0 |
| 2 | | | | 0.0 | | | | | | | | | | 0.0 |
| 3 | | | | 0.0 | | | | | | | | | | 0.0 |
| 4 | | | | 0.0 | | | | | | | | | | 0.0 |
| 5 | | | | 0.0 | | | | | | | | | | 0.0 |
| 6 | | | | 0.0 | | | | | | | | | | 0.0 |
| 7 | | | | 0.0 | | | | | | | | | | 0.0 |
| 8 | | | | 0.0 | | | | | | | | | | 0.0 |
| 9 | | | | 0.0 | | | | | | | | | | 0.0 |
| 10 | | | | 0.0 | | | | | | | | | | 0.0 |
| 11 | | | | 0.0 | | | | | | | | | | 0.0 |
| 12 | | | | 0.0 | | | | | | | | | | 0.0 |
| 13 | | | | 0.0 | | | | | | | | | | 0.0 |
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| 16 | | | | 0.0 | | | | | | | | | | 0.0 |
| 17 | | | | 0.0 | | | | | | | | | | 0.0 |
| 18 | | | | 0.0 | | | | | | | | | | 0.0 |
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| | | | | 0.0 | | | | | | | | | | 0.0 |
| | | | | 0.0 | | | | | | | | | | 0.0 |

Total Welds:

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.

1 ft.-kip=1.35 kilojoules
1 ton=8.9 kilonewtons
1 ft.=0.3048 meters

Length In Structure: **0.0**
Cutoffs 1.5m & Under: 0.0
Cutoffs Over 1.5m x 0.50: 0.0
Furnished Length: **0.0**

Welders Name: _____ Lab No.: _____ Exp. Date: _____

Remarks: _____

Inspector _____ Date _____ Project Engineer _____

**Distribution: Construction (original), District, Project File**

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| Welds (Count) |
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Iowa Department of Transportation

# ENGLISH LOG OF PILING DRIVEN WITH WAVE EQUATION

**Project No.:** _____

**County:** _____

**Design No.:** _____

**Location of Foundation Centerline:** _____

**Location:** _____

**Contractor:** _____

**Driving Graph No.:** _____

**Type of Piling:** _____
(Wood, or Steel Size & Type, or Concrete Size & Type)

**Hammer ( Model & Type):** _____
( Gravity or Diesel )

**Plan Tip Elevation:** _____ Ft.

**Plan Driving Resistance:** _____ Tons

**Observed Blows / Minute:** _____

**Hammer Energy:** _____ 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.

Batter Piling _____ in the direction shown.

| 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.) | In Structure ( 0.0 ft.)1 | |
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Total Welds: _____

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.

Length In Structure: _____ Feet
Cutoffs 5.0' & Under: _____ Feet
Cutoffs over 5.0' x 0.50: _____ Feet
Furnished Length: _____ Feet

Welders Name: _____ Lab No.: _____ Exp. Date: _____

Remarks: _____

_____ Inspector _____ Date _____ Project Engineer

**Distribution: Construction (original), District, Project File**

01/29/01

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# METRIC LOG OF PILING DRIVEN WITH WAVE EQUATION

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(Wood, or Steel Size & Type, or Concrete Size & Type)

**County:** _____

**Design No.:** _____ **Hammer ( Model & Type):** _____
(Gravity or Diesel)

**Location of Foundation Centerline:** _____

**Location:** _____ **Plan Tip Elevation:** _____ meters

**Contractor:** _____ **Plan Driving Resistance:** _____ kilonewtons

**Driving Graph No.:** _____ **Observed Blows / Minute:** _____

**Hammer Energy:** _____ kilojoules

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.

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| Pile No. | Date Driven | Length in leads Nearest 0.5 m | Length Cutoff (0.0 m) | Length in Structure (0.0 m) 1 | Blows Per 0.25 m | Ram Rise (m) | Driven Resistance (kN) | RETAP 2 | | | | PILE EXTENSIONS 3 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Date | Ram Rise (m) | Blows Per 0.25 m | Driven Resistance (kN) | Length Added (m) | Length Cutoff (0.0 m) | In Structure (0.0 m) 1 |
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Total Welds:

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.

1 ft.-kip=1.35 kilojoules
1 ton=8.9 kilonewtons
1 ft.=0.3048 meters

Length In Structure: _____
Cutoffs 1.5m & Under: _____
Cutoffs Over 1.5m x 0.50: _____
Furnished Length: _____

Welders Name: _____ Lab No.: _____ Exp. Date: _____

Remarks: _____

_____ Inspector _____ Date _____ Project Engineer

**Distribution: Construction (original), District, Project File**

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