## LOG OF PILING DRIVEN BY FORMUL!

							LO	O O		, L								
P	roject No.	BRM-40	62(2)8N-	57				Pi	ile (Type	and Siz	ze) <u>S</u>	Steel HP		Steel or Cor	ncrete)			-
	County	Linn						-					(vvood,	Siedi Ul COl	iorete)			
Design No. <u>1276</u>							Hamm	er (Type	& Mode	el) <u>C</u>	Diesel Delmag D22 (Gravity or Diesel manufacturer and model)							
(	Contractor	Lunda C	onstruction	on Con	npar	าy		_				( Gravity o	r Diesel mar	utacturer an	d model)			
low	a DOT Han	nmer No.						Foun	dation D	escriptio	on N	North Abu						_
Iowa DOT Hammer No.  Gross Weight of Hammer Effective Wt.									( North abut, Pier 1, etc. )									
Wei	ght of Driv	ing Parts	4850 lbs	<del>-</del> S	•			Station	Station of Foundation C.L. 322+82									
	ht of Anvil										_							-
_	ght of Cap					Cap No	930	=	For	mula Usa	ed (	3E/ S+0.	1) x (\W/\	V+M)				
	ght of Pile					oup ite		-	. 0	ilulu oo	<u> </u>	<u>0</u> 2, 0 · 0.	1) X (***)	Vv.,				-
	_		- 42					Dlan I	Dulada a F		2	E Ton						
Plan P	ile Length	42						Pian i	oriving F	Resistan	ice 3	55 1011						-
							oile orientation the lowa Do											cate nun
	Batter Piling	iding was i	in the dire			-	Tile lowa Di	JI DISTRICT	Office up	on comple	Clion	OI CACITIC	unuation.	Note on a	awing wi	iicii pile iias	been logge	
			-															
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		•	•	. [				•	•								•	
		•	•		~	Н	Н	Н	Н	Н						.1	•	
	•	-				1	2	3	4	5			•	•		N		•
	•	Logged F	Pile	•			•	•	•	•	•		•	•				
	•	•	•	•			•	•	•	•	•		•	•		•	•	
		(1)		(2) Average				<b>RETAP</b> (3) (2) Ave.			۵			PILE	EXTENS	NSIONS (4) (2) Ave.		
		Plan	Length	Penetra	atior	Ram	Driven		Ram	Penetrat		Driven	Length	Length	Ram	Penetration	Driven	
Pile No.	Date Driven	Length (ft.)	Cutoff ( 0.0 ft.)	Last BI (inche		Rise (ft.)	Resistance (Tons)	Date	Rise (ft.)	Last Blo		Resistance (Tons)	Added (0.0 ft.)	Cutoff ( 0.0 ft.)	Rise (ft.)	Last Blows (inches)	Resistance (Tons)	Welds (Count
1	05/24/06	10	( 0.0 it.)	1.43		4.5	10.0	Date	(11.)	(IIICIICS	3)	(TOIIS)	(0.0 11.)	(0.011.)	(11.)	(IIICIIES)	(10115)	( Count
		15		1.18		4.5	12.0											
		20		0.75	5	4.5	18.0											
		25		0.66	9	4.5	20.0											
		30		0.49		4.5	26.0											
		35		0.41		5.0	33.0											
		38 42	0.4	0.38		5.0	35.0 37.0				_						<del>                                     </del>	
		42	0.4	0.30	2	5.0	37.0											
		<u> </u>															<del>                                     </del>	
<u> </u>				-							-						<del>                                     </del>	
/1\	Pecord in #	Pomori-	caction ha	low if the	nila	lenath ic	anything off-	or than the	lan longth	at the hea	ainnin	na of drive		<u> </u>	<u> </u>	<u> </u>	otal Welder	
(1) (2)							anything other						enetration i	n the last 10	) blows di		otal Welds:	
(3) (4)	Indicate dat Additional p						List only pile	actually che	ecked.						D	lan I ength:		Feet
(7)	, wantional p	o rangui l	. Do autiiOil	_04 Dy (I	.0 []	.g., 1001 .										Extensions:		Feet
Welr	ders Name:				ı	_ab N∩ ·		F	xp. Date									_
				-					r. 2010.									
	remarks:																	-

Inspector Date Project Engineer 01/31/07 Appendix 11-22.6

## LOG OF PILING DRIVEN BY FORMUL!

						LO	J O	L L	// V L / V	J 1 1 O 1 (1)	IIOL7					
Pro	oject No.	BROS-6	4(53)60	)-64			Pi	ile (Type	and Size)	Treated y		thern pin				-
		Marshall														
Design No. 276							Hamm	er (Type	& Model)	Gravity  ( Gravity or Diesel manufacturer and model)						
C	ontractor	Fagre Co	onstructio	on Co.						(			,			
Iowa	DOT Ham	mer No.	172				Foun	dation D	escription	Pier 1	( Norti	n abut, Pier 1	1. etc. )			-
Gross Weight of Hammer 4990 Effective Wt. 4990										(		, ,				
Weig	ht of Drivi	ng Parts					Station	of Found	lation C.L.	300+12						-
Weigh	t of Anvil															
Weigl	ht of Cap	730			Cap No	2120		Forr	nula Used	P=(3WH/	S+0.35) x	(W/W+N	1)			-
Weig	ht of Pile	922.2														
Plan Pil	e Length	30'					Plan [	Oriving R	Resistance		25 Ton					-
						oile orientatio										
	tter Piling	1:4		ection show		, are lower be	or Biothot	Omoc up	on completic	or caon to	anddion.	TTOTO OIT OIL	awing wi	norr pile rido	been logge	
													*			
	-	•	•		· 1) (	· (	· 3 (	<b>(4)</b>	· 5	•	•	•	1		•	•
	•				• (	2)	<b>3</b> ) (	• (	3 <b>7</b>				1		•	
			. /	:/ <u>_</u>									N			
	-	Logged p	ile													
				(2)				RE	TAP (3)			PILE I	EXTENS	ONS (4)		
		(1) Plan	Length	Average Penetration	Ram	Driven		Ram	(2) Ave. Penetration	Driven	Length	Length	Ram	<ul><li>(2) Ave.</li><li>Penetration</li></ul>	Driven	
Pile	Date	Length	Cutoff	Last Blows	Rise	Resistance	D-4-	Rise	Last Blows	Resistance	Added	Cutoff	Rise	Last Blows	Resistance	
No.	Driven 06/27/06	(ft.) 30	( 0.0 ft.)	(inches) 0.65	( ft.) 5	( Tons ) 26.5	Date	(ft.)	(inches)	( Tons )	(0.0 ft.)	( 0.0 ft.)	(ft.)	(inches)	( Tons )	( Coun
2	06/27/06	30	0.4	0.65	5	28										
3	06/27/06	30	0.3	0.60	5	29.5										
4	06/27/06	30	0.3	0.63	5	28.6									<b></b>	
5	06/27/06	30	0.5	0.63	5	27										
									1							
(1)	Record in th	e Remarks	section bel	low if the pile	length is	anything othe	r than the p	lan length	at the beginn	ning of drive.	•	1	1	To	otal Welds:	
(2) I						olows divided I	-		esel hammers	s, enter the p	enetration in	n the last 10	) blows div			
				zed by the E		List only pile	actually offe	Jonea.							150.0	
															0.0	
Welde	ers Name:			-	Lab No.:	-	E	xp. Date:		_				Total:	150.0	Feet
	Remarks:															-
-															-	-