

Bridge Pile Driving Logs

WO# ER08933

**Glassell Street Bridge (Bridge No55C-0130)
Over The Santa Ana River Channel**

Contractor: MCM Construction, Inc.

Inspector: C A Lopez/Bob Valle

Resident Engineer: B McKinney

Completion date: July 17, 2006



COUNTY OF ORANGE

PUBLIC FACILITIES & RESOURCES DEPARTMENT

Bryan Specgle, Director

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Santa Ana, CA

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M E M O

DATE: January 3, 2008

File:ER08933

TO: Mike Costello, RDMD Materials Lab

FROM: *CAV* Carlos A. Lopez, RDMD/Construction/Contracts

SUBJECT: Glassell St Bridge Widening at SAR– Pile Driving Log Transmittal

Enclosed for your files please find the original Pile Driving Logs for the subject bridge.

Project: Glassell Street Bridge Widening

Limits: Over the Santa Ana River and OCWD Basin

Start Date: February 4, 2005

Completion Date: July 17, 2006

Contractor: MCM Construction Inc

Resident Engineer: Bryan McKinney

Inspector: Carlos A Lopez/Bob Valle

Please sign below acknowledging receipt of the bridge pile driving logs.

Mike Costello, RDMD Materials Lab Date

cc. Chris Kubasek, Rich Hoisington, Bridge Design (with copy of attachment)

3/22/05

RESOURCES & DEVELOPMENT MANAGEMENT DEPARTMENT

DATE 3/22/05 SUBJECT Pile Driving

Hammer Blow Count

SHEET NO. OF
JOB NO. ERO0933

DELMAG 36-32 PILE DRIVING HAMMER
PISTON WEIGHT = 7938 35 TN PILE

$$P = \frac{2WL}{S - 0.1} \quad S = \frac{2WL}{P} - 0.1$$

$$S = \frac{2(7938)}{(35 \times 2000)} - 0.1$$

$$S = .2268 L - 0.1$$

L	BN/BL	BLOWS/FT
5	1.034	12
5.5	1.1474	11
6.0	1.2608	10
6.5	1.3742	9
7.0	1.4876	8
7.5	1.601	7
8.0	1.7144	7
8.5	1.8278	7
9.0	1.9412	6
9.5	2.0546	6
10	2.168	6
10.5	2.2814	5
11.0	2.3948	5
11.5	2.5082	5
12.0	2.6216	5

DEL MAG 36-32 W = 7938 LB

47.5 TN PILS

$$P = \frac{2WL}{S + 0.1}$$

$$S = \frac{2WL}{P} - 0.1$$

$$S = \frac{2(7938)}{47.5(2000)} L - 0.1$$

$$S = 0.1671L - 0.1$$

ABUTMENTS

L	S ($\frac{IN}{BL}$)	S BL/FT
5	0.7355	17
5.5	0.8191	15
6.0	0.9026	14
6.5	0.9862	12
7.0	1.070	12
7.5	1.1533	11
8.0	1.2368	10
8.5	1.3204	9
9.0	1.4039	9
9.5	1.4875	8
10	1.571	8
11	1.6546	7
11.5	1.7381	7
12	1.9052	6

AB1

PILE DRIVING (HAMMER BLOW COUNT)

↑
NABUT # 1 Location: U/S SAR Channel

HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS

PILE LENGTH: 44.67 LF DATE: 8/18/05Inspector: VALLE

EXISTING

H (A)

H (B)

MEASUREMENTS (FEET)

Pile (A) Length	Hammer Ht	Blows/ft
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30	6	14
31	6	17
32	6	17
33	6	17
34	6	20
35	6	21
36	6	29
37	6	29
38	6	32
39	6	38
40	6 1/2	38
41	6 1/2	40
42	6 1/2	52
43	7	41
44	7	46
44.25	7	14
45		

Pile (B) Length	Hammer Ht	Blows/ft
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31	6	17
32	6	19
33	6 1/2	27
34	6 1/2	32
35	6 1/2	30
36	6 1/2	37
37	6	36
38	6 1/2	40
39	7 1/2	43
40	7 1/2	43
41	8	51
42	8	57
43	8	63
44	7 1/2	79
44.25	7 1/2	25
45		

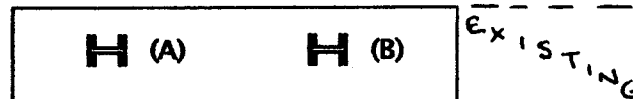
Pile () Length	Hammer Ht	Blows/ft
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
44.25		
45		

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

ABUT # 1 Location: D/S SAR Channel

HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS

PILE LENGTH: 44.92 LF DATE: 8/19/05Inspector: Vault

MEASUREMENTS (FEET)

Pile (B) Length	Hammer Ht	Blows/ft
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27	27.50' DRILLED	
28		
29		
30		
31		
32		
33		
34		
35		
36	6 1/2	17
37	6 1/2	22
38	7	17
39	7	22
40	7	23
41	7	23
42	7 1/2	36
43	8 1/2	87
44	8 1/2	139
44.5	8	74
45		

Pile (A) Length	Hammer Ht	Blows/ft
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27	27.50' DRILLED	
28		
29		
30	6	11
31	6	14
32	6	16
33	6 1/2	17
34	6 1/2	16
35	6 1/2	17
36	7	22
37	7	27
38	7 1/2	22
39	7 1/2	25
40	7 1/2	25
41	7 1/2	35
42	7	37
43	7 1/2	52
44	7	82
44.5	7 1/2	50
45		

Pile () Length	Hammer Ht	Blows/ft
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
44.5		
45		

P16R #2

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 2 Location: U/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 36.50 LF DATE: 8/16/05
 Inspector: VALL

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

(11 FEET DRILLS)

MEASUREMENTS (FEET)

Pile (E) Length	Hammer Ht	Blows/ft
14		
15		
16		
17		
18		
19		
20		
21		
22	6	54
23	6 1/2	65
24	6 1/2	75
25	7	111
26	7	145
27	7	166
28		
29		
30	7	123
31	7	152
32		
33		

L=34.5 (2' SHORT)

Pile (B) Length	Hammer Ht	Blows/ft
14	START: 9:26	
15	FINISH: 9:45	
16		
17		
18		
19	6	19
20	6	19
21	6 1/2	25
22	6 1/2	31
23	6 1/2	28
24	7 1/2	45
25	8	60
26	8	68
27	8	79
28	8	176
29	8	152
30	8	120
31	8	62
32		
33		

L=34.50
(2'-SHORT)

Pile (A) Length	Hammer Ht	Blows/ft
14	DRIVING TIME	
15	START: 7:55	
16	FINISH: 8:14	
17		
18	6	17
19	6	14
20	6	17
21	6	20
22	6	22
23	6	25
24	6 1/2	38
25	7	53
26	7 1/2	65
27	8	96
28	8	133
29	8	136
30	8 1/2	129
31	9	140
32		
33		

L=34.50 (2'-SHORT)

Pile (F) Length	Hammer Ht	Blows/ft
14	START: 10:09	
15	FINISH: 10:24	
16		
17		
18	6	9
19	6	13
20	6	17
21	6	23
22	6 1/2	30
23	7	30
24	7 1/2	43
25	8	54
26	8	77
27	8	63
28	8	65
29	8	89
30	8	91
31	8	88
32		
33		

L=34.50
(2'-SHORT)

Pile (C) Length	Hammer Ht	Blows/ft
14	DRIVING TIME	
15	START: 8:55	
16	FINISH: 9:06	
17		
18		
19	6	9
20	6	12
21	6	18
22	6	20
23	6 1/2	21
24	6 1/2	31
25	6 1/2	36
26	7	42
27	7	49
28	7	50
29	7	52
30	7	44
31	7	33
32	7	31
33	7	30

L=36.50

Pile (G) Length	Hammer Ht	Blows/ft
14	START: 10:40	
15	FINISH: 11:05	
16		
17		
18		
19		
20		
21	6 1/2	19
22	6 1/2	30
23	7	33
24	7	48
25	7 1/2	55
26	8	88
27	8 1/2	163
28	9	213
29	9	240
30		
31		
32		
33		

L=32.75
(2'-75 SHORT)

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 2 Location: U/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 36.50 LF DATE: 8-17-05
 Inspector: C Lopez

EXISTING

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (D) Length	Hammer Ht	Blows/ft
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24	7	50
25	7.5	60
26	8	81
27	8	65
28	8	83
29	8	71
30	8	92
31	8	92
32		
33		

L = 34.50 (2' SHARP)

Pile () Length	Hammer Ht	Blows/ft
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		

Pile (A) Length	Hammer Ht	Blows/ft
14		
15		
16		
17		
18		
19		
20		
21	6.5	15
22	6.0	21
23	6.5	33
24	7.0	53
25	7.0	83
26	7.5	120
27	7.5	111
28	7.5	146
29	8	176
30	8.0	202
31		
32		
33		

L = 33.50 (3' SHARP)

Pile () Length	Hammer Ht	Blows/ft
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		

Pile () Length	Hammer Ht	Blows/ft
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		

Pile () Length	Hammer Ht	Blows/ft
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 2 Location: D/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.75 LF DATE: 8/19/05
 Inspector: VALE - Lopez

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

EXISTING

MEASUREMENTS (FEET)

Pile (H) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23	6	19
24	6	19
25	6.12	21
26	6.12	37
26.25	6.12	10
27		
L = 29.75		

Pile (D) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22	6.0	19
23	6.5	32
24	6.5	52
25	6.5	40
26	6.5	60
26.25	7.0	18
27		
L = 29.75		

Pile (G) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21	6	11
22	6	20
23	6	25
24	6.5	25
25	6.5	31
26	7.0	56
26.25	7.0	30
27		
L = 29.75		

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21	6.0	11
22	6.0	19
23	6.5	30
24	6.5	30
25	6.5	44
26	6.5	38
26.25	6.5	13
27		
L = 29.75		

Pile (F) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23	6	10
24	6	16
25	6.5	27
26	6.5	40
26.25	6.5	13
27		
L = 29.75		

Pile (B) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22	6	12
23	4	13
24	6.5	15
25	6.5	16
26	6.5	32
26.25	6.5	18
27		
L = 29.75		

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 2 Location: D/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.75 LF DATE: 8-19-05
 Inspector: Lopez

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

EXISTING

MEASUREMENTS (FEET)

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21	6	13
22	6	13
23	6.5	13
24	6.5	20
25	6.5	22
26	6.5	35
26.25	6.5	16
27		

L = 29.75

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
26.25		
27		

Pile (A) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
26.25		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
26.25		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21	6	8
22	6	8
23	6	16
24	6.5	28
25	6.5	24
26	6.5	38
26.25	6.5	18
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
26.25		
27		

PIER #3

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 3 Location: U/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8/17/05
 Inspector: COL VALLE

H(A) H(B) H(C) H(D) H(E) H(F)
 H(G) H(H)
 H(I) H(J) H(K) H(L) H(M) H(N)

MEASUREMENTS (FEET)

Pile (G) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6	7
16	6	10
17	6	16
18	6.5	21
19	6.5	24
20	6.5	26
21	6.5	28
22	6.5	30
23	7.0	40
24	7.0	46
25	7.5	52
25.75	7.5	38
26		
27		

Pile (A) Length	Hammer Ht	Blows/ft
10	6	7
11	6	8
12	6	10
13	6	9
14	6	8
15	6	9
16	6 1/2	15
17	7	23
18	7	27
19	7	27
20	7	23
21	7	31
22	7	28
23	6 1/2	17
24	6 1/2	16
25	6 1/2	16
25.75	6 1/2	11
26		
27		

Pile (I) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	7	48
21	7 1/2	41
22	7	41
23	7	44
24	7	49
25	6 1/2	37
25.75	6 1/2	19
26		
27		

Pile (H) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	7	40
21	7 1/2	39
22	7	32
23	6 1/2	22
24	7	25
25	7 1/2	23
25.75	7 1/2	16
26		
27		

Pile (B) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	7	43
21	7 1/2	53
22	7	45
23	7	35
24	6 1/2	34
25	6 1/2	27
25.75	6 1/2	21
26		
27		

Pile (J) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19	7	42
20	7 1/2	40
21	7 1/2	42
22	7	44
23	7	39
24	6 1/2	37
25	6 1/2	32
25.75	6 1/2	22
26		
27		

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 3 Location: U/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8/17/05
 Inspector: VALL

H (A) H (B) H (C) H (D) H (E) H (F)
 H (G) H (H)
 H (I) H (J) H (K) H (L) H (M) H (N)

MEASUREMENTS (FEET)

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18	7	80
19	7 1/2	124
20	8	166
21	8 1/2	227
22	8	184
23		
24		
25		
25.75		
26		
27		
L = 25.25		

Pile (L) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19	7 1/2	122
20	8	249
21	7 1/2	206
22	7 1/2	212
23	8	190
24		
25		
25.75		
26		
27		
L = 26.25		

Pile (K) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18	8	108
19	9	206
20	8 1/2	157
21	8	142
22	8	102
23	7 1/2	48
24	7	30
25	7	29
25.75	7	26
26		
27		
L = 29.25		

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16	6	27
17	6	28
18	6	16
19	6	22
20	6	21
21	6 1/2	30
22	7	36
23	7	48
24	7	59
25	6 1/2	58
25.75	6 1/2	40
26		
27		

Pile (D) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	7	49
16	7	50
17	7 1/2	53
18	7 1/2	67
19	7 1/2	53
20	7	45
21	7	40
22	7	35
23	6 1/2	32
24	6 1/2	28
25	6 1/2	30
25.75	6 1/2	24
26		
27		
L = 29.25		

Pile (M) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19	7	33
20	6 1/2	27
21	6 1/2	23
22	6 1/2	22
23	6 1/2	26
24	7 1/2	35
25	7 1/2	36
25.75	7 1/2	29
26		
27		

NO
NOTICE
RECEIVED

(8/18/05)
START: 4:25 PM
END: 1:00 PM

(8/18/05)
START: 1:50

↑
N

$$\begin{array}{ccccccc} \text{H(A)} & \text{H(B)} & \text{H(C)} & \text{H(D)} & & \text{H(E)} & \text{H(F)} \\ \text{H(G)} & \text{H(H)} & & & & & \\ & \text{H(I)} & \text{H(J)} & \text{H(K)} & \text{H(L)} & \text{H(M)} & \text{H(N)} \end{array}$$
[illegible][illegible]

Pile ()	Length	Hammer Ht.	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
25.75			
26			
27			
Pile ()	Length	Hammer Ht.	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
25.75			
26			
27			

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 3 Location: D/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8-22-05
 Inspector: WPS

H (A)	H (B)	H (C)	H (D)
H (E)	H (F)	H (G)	H (H)

EXISTING

MEASUREMENTS (FEET)

Pile (H)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
15.45	6.5	32	
16.45	6.8	49	
17.20	6.5	65	
18.24	6.5	100	
19.22	7.0	135	
20.22	7.0	205	
21.24	7.0	210	
21.25	7.5	195	
25.75			
26			
27			

L = 24.75
 4.5' SHORT

Pile (C)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19	7.0	40	
20	7.5	30	
21	7.5	75	
22	7.5	102	
23	7.5	115	
24	7.5	132	
25	8.0	102	
25.75	8.0	90	
26			
27			

L = 29.75

Pile (D)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18	6.5	20	
15.40	6.5	49	
16.20	6.5	35	
17.24	6.5	41	
18.22	6.5	52	
19.25	7.0	71	
20.24	7.0	95	
21.26	7.5	131	
22.50.75	8.0	201	
26			
27			

MARINE N

L = 26
 3.25' SHORT

Pile (F)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18	7.0	32	
19	7.5	38	
20	7.5	58	
21	8.0	56	
22	7.5	48	
23	7.5	43	
24	7.5	45	
25	7.5	40	
25.75	7.5	18	
26			
27			

L = 29.25

Pile (G)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15	6.5	18	
16	6.5	21	
17	6.5	43	
18	7.0	74	
19	7.5	80	
20	8.0	139	
21.25	8.5	151	
22			
23			
24			
25			
25.75			
26			
27			

L = 24.75
 4.5' SHORT

Pile (B)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17	7.0	49	
18	7.5	58	
19	7.5	68	
20	7.5	60	
21	7.5	72	
22	8.0	105	
23.25	8.0	90	
24			
25			
25.75			
26			
27			

2.92' SHORT

SAR Channel
100' - 200'

9:45 - 10:05 = 20

SAR Channel
100' - 200'

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 3 Location: D/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8-22-05
 Inspector: [Signature]

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

EXISTING

MEASUREMENTS (FEET)

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16	6.5	29
17	6.5	36
18	6.5	34
19	6.5	35
20	7.0	45
21	6.5	37
22	6.5	41
23	7.0	45
24	7.0	35
25	7.0	30
25.75	7.0	19
26		
27		

L = 29.25

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile (A) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19	6.5	30
20	7.0	44
21	7.0	36
22	7.0	41
23	6.5	23
24	6.5	20
25	6.5	21
25.75	6.5	12
26		
27		

L = 29.25

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pier #A

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 4 Location: U/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8-5-05
 Inspector: C. Lopez

H (A) H (B) H (C) H (D) H (E) H (F)
 H (G) H (H)
 H (I) H (J) H (K) H (L) H (M) H (N)

MEASUREMENTS (FEET)

Pile (<u>G</u>) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6.5	24
16	6.5	17
17	6.5	24
18	6.5	26
19	6.5	34
20	7.0	37
21	7.0	46
22	7.0	38
23	6.5	27
24	6.5	21
25	6.0	18
25.75	6.5	18
26		
27		

Pile (<u>I</u>) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6.5	28
16	6.5	26
17	6.5	30
18	7.0	33
19	7.0	37
20	7.0	48
21	7.0	46
22	7.0	32
23	7.0	24
24	6.5	17
25	6.5	26
25.75	6.5	20
26		
27		

Pile (<u>A</u>) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16	6.5	22
17	6.5	26
18	6.5	32
19	7	38
20	7	56
21	7.5	55
22	7.0	48
23	6.5	40
24	6.5	25
25	6.5	24
25.75	6.5	21
26		
27		

Pile (<u>H</u>) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6.5	18
16	6.5	18
17	6.5	20
18	6.5	21
19	6.5	26
20	6.5	22
21	6.5	19
22	6.0	15
23	6.0	16
24	6.0	18
25	6.5	18
25.75	6.5	13
26		
27		

Pile (<u>J</u>) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16	6.5	24
17	6.5	28
18	6.5	28
19	7.0	38
20	6.5	30
21	6.5	22
22	6.5	20
23	6.5	24
24	6.5	25
25	6.5	24
25.75	6.5	12
26		
27		

Pile (<u>B</u>) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16	6.5	23
17	6.5	24
18	6.5	25
19	6.5	21
20	6.5	18
21	6.5	15
22	6.5	14
23	6.5	15
24	6.5	21
25	6.5	25
25.75	6.5	20
26		
27		

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 4 Location: U/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8-6-05
 Inspector: C Lopez

H(A) H(B) H(C) H(D) H(E) H(F)
 H(G) H(H)
 H(I) H(J) H(K) H(L) H(M) H(N)

MEASUREMENTS (FEET)

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6.5	26
16	6.5	27
17	6.5	34
18	7	38
19	7	32
20	6.5	21
21	6.5	15
22	6.5	19
23	6.5	22
24	7.0	24
25	7.0	26
25.75	7.0	18
26		
27		

Pile (K) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6.5	30
16	6.5	28
17	6.5	34
18	6.5	33
19	6.5	25
20	6.0	20
21	6.5	26
22	6.5	26
23	7	22
24	7	26
25	7	26
25.75	7	17
26		
27		

Pile (D) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17	7	34
18	7	38
19	7	30
20	6.5	36
21	6.5	22
22	6.5	28
23	6.5	31
24	6.5	30
25	6.5	30
25.75	6.5	26
26		
27		

Pile (L) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16	7	33
17	6.5	44
18	6.5	30
19	6.5	29
20	6.5	15
21	6.5	18
22	6.5	22
23	6.5	28
24	6.5	24
25	6.5	24
25.75	6.5	17
26		
27		

Pile (M) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14	7.5	70
15	7.5	53
16	7.5	38
17	7.0	28
18	6.5	25
19	6.5	22
20	6.5	20
21	6.5	17
22	6.5	25
23	6.5	27
24	6.5	35
25	6.5	26
25.75	6.5	22
26		
27		

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14	7.5	45
15	7.0	46
16	7.0	26
17	6.5	25
18	6.5	18
19	6.5	20
20	6.5	24
21	6.5	32
22	7.0	45
23	7.5	47
24	7.5	42
25	7.5	48
25.75	7.5	44
26		
27		

↑
N

H (A) H (B) H (C) H (D) H (E) H (F)
H (G) H (H)
H (I) H (J) H (K) H (L) H (M) H (N)

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Hit	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 4 Location: D/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8/4/05
 Inspector: VALLE, LOPEZ

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

EXISTING

MEASUREMENTS (FEET)

Pile (H) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6 1/2	15
21	6 1/2	17
22	6 1/2	23
23	6 1/2	25
24	6 1/2	27
25	6 1/2	28
25.75	6 1/2	23
26		
27		

SERIES
OF DEAD
BLOWS

STOPPED TO
CHANGE PUMP

L = 29.25'

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6 1/2	24
21	6 1/2	21
22	6 1/2	21
23	6 1/2	21
24	6 1/2	25
25	6 1/2	24
25.75	6 1/2	19
26		
27		

L = 29.25'

Pile (D) Length	Hammer Ht	Blows/ft
10		
11		
12	6	17
13	6	21
14	6	20
15	6	20
16	6	22
17	6.5	17
18	6.5	25
19	6.5	25
20	6.5	24
21	6.5	19
22	6.5	19
23	6.5	18
24	6.5	18
25	6.5	18
25.75	6.5	10
26		
27		

L = 29.25'

Pile (F) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	7	40
21	7	39
22	7 1/2	43
23	7 1/2	46
24	7	46
25	7	45
25.75	7	37
26		
27		

L = 29.25'

Pile (G) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22	6 1/2	32
23	7	30
24	7	36
25	7	37
25.75	7	28
26		
27		

L = 29.25'

Pile (B) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6 1/2	43
21	6 1/2	46
22	7	45
23	7	49
23.75	7	40
25		
25.75		
26		
27		

L = 27.25' (STOPPED DUE
 TO DEFLECTION
 (-2.0') TO DEFORMATION
 OF PILE)

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 4 Location: D/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8/4/05
 Inspector: VALL

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

EXISTING

MEASUREMENTS (FEET)

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18	6 1/2	28
19	6 1/2	29
20	7	41
21	7	44
22	6 1/2	44
23	6 1/2	49
24	6 1/2	43
25	6 1/2	33
25.75	6 1/2	28
26		
27		

L = 29.25

Pile (A) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	7	55
21	7 1/2	63
22	7 1/2	68
23	7 1/2	79
24	7 1/2	74
25	23.75	
25.75		
26		
27		

STOPPED DUE TO
DEFLECTION

L = 27.25 (-2.0)

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

PIER #5

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 5 Location: U/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8/4/05
 Inspector: VALLI

H(A) H(B) H(C) H(D) H(E) H(F)
 H(G) H(H)
 H(I) H(J) H(K) H(L) H(M) H(N)

MEASUREMENTS (FEET)

Pile (G) Length	Hammer Ht	Blows/ft
10		
11		
12	6	27
13	6	34
14	6	43
15	6	36
16	6	46
17	6	32
18	6	28
19	6	26
20	6	24
21	6	34
22	6	36
23	6 1/2	36
24	6 1/2	36
25	6 1/2	34
25.75	6 1/2	26
26		
27		

L = 29.25'

Pile (H) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18	6	13
19	6	16
20	6	17
21	6 1/2	27
22	6 1/2	27
23	6 1/2	33
24	6 1/2	36
25	7	37
25.75	7	31
26		
27		

L = 29.25

Pile (I) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6	19
21	6	24
22	6	29
23	6	34
24	6	33
25	6 1/2	33
25.75	6 1/2	30
26		
27		

L = 29.25'

Pile (J) Length	Hammer Ht	Blows/ft
10		
11		
12		
13	6	20
14	6.5	30
15	6.5	31
16	7	44
17	7	38
18	7	27
19	6.5	27
20	7	29
21	7	46
22	7	55
23	7	59
24	7	53
25	7	42
25.75	7	20
26		
27		

CHANGE CABLE 6:30 - 9:15

Pile (A) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	7	33
21	7	39
22	7	38
23	7	43
24	7	49
25	7	48
25.75	7	43
26		
27		

L = 29.25'

Pile (B) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14	6	15
15	6	18
16	6	12
17	6	12
18	6	16
19	6	21
20	6	21
21	6.5	25
22	6.5	30
23	6.5	33
24	6.5	40
25	6.5	48
25.75	6.5	38
26		
27		

START REB
09:30-35

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 5 Location: U/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8-5-05
 Inspector: C Lopez

H (A) H (B) H (C) H (D) H (E) H (F)
 H (G) H (H)
 H (I) H (J) H (K) H (L) H (M) H (N)

MEASUREMENTS (FEET) *Start*

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16	6.5	21
17	6.5	21
18	6.5	20
19	6.5	22
20	6.5	33
21	6.5	33
22	6.5	33
23	6.5	40
24	6.5	56
25	7	52
25.75	7	25
26		
27		

Pile (L) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16	7	37
17	7.5	37
18	7.5	37
19	—	45
20	7.5	38
21	7.5	55
22	7.5	40
23		
24		
25		
25.75		
26		
27		

(-4.50)
5 holes

Pile (K) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16	6	15
17	6	16
18	6.5	18
19	6.5	23
20	6.5	26
21	7	31
22	7	35
23	8.0	80
24	8.0	39
25		
25.75		
26		
27		

Sup Deflection - Walking

L = 27.25

SAFT = (-2.0)

Pile (M) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6.5	45
16	7.0	50
17	7.0	58
18	7.0	50
19	7.0	45
20	7.5	40
21	7.5	45
22	7.5	45
23	7.5	43
24	7.5	39
25	8.0	42
25.75	8.0	36
26		
27		

END 106

Pile (D) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18	6.5	28
19	7.0	22
20	7.0	27
21	7.0	28
22	7.0	32
23	7.0	34
24	7.0	36
25	7.0	32
25.75	7.0	25
26		
27		

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	7	31
16	7.5	38
17	7.5	33
18	7.5	32
19	7.5	34
20	7.5	37
21	8.0	46
22	8.0	54
23	8.0	65
24	8.0	45
25		
25.75		
26		
27		

SAFT (2.0')

↑
N

PIER # 5 Location: U/S SAR Channel
HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
PILE LENGTH: 29.25 LF DATE: 8-5-05
Inspector: [Signature]

H(A) H(B) H(C) H(D) H(E) H(F)
H(G) H(H)
H(I) H(J) H(K) H(L) H(M) H(N).

Pile (N)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15		7.0	33
16		7.5	50
17		7.5	51
18		7.5	54
19		7.5	42
20		7.5	35
21		7.5	40
22		7.5	42
23		7.5	40
24		7.5	48
25		7.5	47
25.75		7.5	45
26			
27			

Pile (F)	Length	Hammer Hit	Blows/ft
10			
11			
12			
13			
14			
15		7.0	24
16		7.0	21
17		7.5	25
18		7.5	34
19		7.5	26
20		7.5	27
21		7.5	35
22		8	47
23		8	54
24		8	72
25		8	71
25.75	-		60
26			
27			

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.76		
26		
27		

Pile () Length	Hammer Hit	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Hit	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile ()	Length	Hammer Hit	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26.75			
26			
27			

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 5 Location: D/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8/3/05
 Inspector: LOPEZ

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

EXISTING

MEASUREMENTS (FEET)

Pile (A) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14	6	16
15	6	20
16	6.5	30
17	7	29
18	7	46
19	7	48
20	7	62
21	7	67
22	7	45
23	7	67
24	7	48
25	7	54
25.75	7	49
26		
27		

Pile (D) Length	Hammer Ht	Blows/ft
10		
11		
12		
13	6	14
14	6	15
15	6	20
16	6.5	21
17	6.5	27
18	7.0	41
19	7.5	38
20	7.5	41
21	7.0	40
22	7.0	35
23	7.0	38
24	7.0	37
25	7.5	49
25.75	7.5	39
26		
27		

Pile (G) Length	Hammer Ht	Blows/ft
10		
11		
12		
13	6	13
14	6	13
15	6	15
16	6	17
17	6.5	14
18	6.5	22
19	6.5	26
20	6.5	33
21	6.5	36
22	6.5	33
23	6.5	32
24	6.5	32
25	6.5	32
25.75	6.5	20
26		
27		

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13	6	13
14	6	16
15	6	25
16	6.5	29
17	6.5	43
18	7.0	50
19	7.0	70
20	7.0	61
21	7.0	57
22	7.0	61
23	7.0	73
24	7.0	68
25	7.5	74
25.75	7.5	44
26		
27		

Pile (F) Length	Hammer Ht	Blows/ft
10		
11		
12		
13	6	15
14	6	15
15	6	17
16	6	23
17	6	25
18	6.5	34
19	6.5	38
20	6.5	43
21	6.5	40
22	6.5	49
23	7.0	47
24	7.0	53
25	7.0	49
25.75	7.0	25
26		
27		

Pile (B) Length	Hammer Ht	Blows/ft
10		
11		
12		
13	6.5	22
14	6.5	25
15	6.5	29
16	6.5	29
17	6.5	33
18	6.5	39
19	6.5	50
20	7.0	52
21	7.0	52
22	7.0	60
23		
24.75		55
25		
25.75		
26		
27		

Stop by Lowrance
 Resonance

L=28.25

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 5 Location: D/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8/3/05
 Inspector: LOPEZ

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

EXISTING

MEASUREMENTS (FEET)

Pile (A) Length	Hammer Ht	Blows/ft
10		
11		
12		
13	6	18
14	6	18
15	6	20
16	6.5	26
17	6.5	30
18	6.5	42
19	6.5	44
20	7	60
21	7	73
22	7.5	80
23	7.5	100
24.75	7.5	75
25		
25.75		
26		
27		

L = 27.50

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13	6	15
14	6	23
15	6.5	33
16	6.5	38
17	6.5	51
18	7.5	87
19	8.0	101
20	8.0	145
21	8.0	150
22		
23		
24		
25		
25.75		
26		
27		

* Walk in 6' PENNINO

L = 25.25

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

for #6

↑
N

$\begin{array}{ccccccc} \text{H(A)} & \text{H(B)} & \text{H(C)} & \text{H(D)} & & \text{H(E)} & \text{H(F)} \\ \text{H(G)} & \text{H(H)} & & & & & \\ \text{H(I)} & \text{H(J)} & \text{H(K)} & \text{H(L)} & & \text{H(M)} & \text{H(N)} \end{array}$

Pile (G)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15		7	36
16		7.5	45
17		7.5	53
18		7.5	45
19		7.0	32
20		6.5	26
21		6.5	14
22		6.5	19
23		6.5	20
24		6.5	25
25		6.5	20
25.75		6.5	22
26			
27			

Pile (I)	Length	Hammer Ht	Blows/ft.
10			
11			
12			
13			
14		7.0	43
15		7.0	47
16		7.0	40
17		7.0	40
18		7.0	36
19	—	Residuals	
20		7.0	40
21		7.0	31
22		7.0	34
23		7.0	36
24		7.0	35
25		7.0	36
25.75		7.0	27
26			
27			

Pile (A)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15		7.5	42
16		8.0	78
17		8.0	80
18		8.0	58
19		8.0	55
20		7.5	55
21		7.5	43
22		7.5	47
23		7.5	57
24		7.5	50
25		7.5	77
26.75		7.5	49
26			
27			

Pile (H) Length	Hammer Ht	Blows/ft
10		
11		
12		
13	7.0	57
14	7.0	64
15	7.5	78
16	7.0	92
17	7.5	80
18	7.0	69
19	7.0	51
20	7.0	46
21	7.0	50
22	7.5	46
23	7.9	46
24 23.75	7.0	32
25		
25.75		
26		
27		

Pile (J)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
16			
16		7.5	50
17		7.0	28
18		7.0	26
19		7.0	27
20		7.0	32
21		6.5	38
22		6.5	25
23		6.5	28
24		6.5	27
25		6.5	27
25.75		6.5	21
26			
27			

Pile (b)	Length	Hammer Ht	Blows/ft
	10		
	11		
	12		
	13		
	14		
	15	7.0	55
	16	7.5	92
	17	7.5	94
	18	7.5	75
	19	7.5	77
	20	7.5	78
	21	7.5	76
	22	7.5	68
	23	7.5	59
24	23.7	7.5	51
	25		
	25.75		
	26		
	27		

↑
N

PIER # 6 Location: U/S SAR Channel
HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
PILE LENGTH: 29.25 LF DATE: 8-6-05
Inspector: _____

H(A) H(B) H(C) H(D) H(E) H(F)
H(G) H(H)
H(I) H(J) H(K) H(L) H(M) H(N)

MEASUREMENTS (FEET) 12 min

Pile (C)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14		6.5	27
15		6.5	25
16		6.0	20
17		6.5	21
18		6.5	23
19		6.5	26
20		6.5	25
21		6.5	32
22		6.5	41
23		7.0	43
24		7.0	38
25		7.0	34
25.75		7.0	37
26			
27			

Pile (k)	Length	Hammer Hit	Blows/ft
10			
11			
12			
13			
14			
15		6.5	26
16		6.5	26
17		4.5	30
18		6.5	32
19		6.5	26
20		6.5	28
21		6.5	31
22		7.0	45
23		7.5	72
24		8	100
25			
25.75			
26			
27			

$$L = 27.25 - (1.75)$$

Pile (D) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16	6.5	31
17	6.5	33
18	6.5	31
19	6.5	27
20	6.5	29
21	6.5	36
22	6.5	30
23	6.5	35
24	6.5	33
25	6.5	30
25.75	6.5	28
26		
27		

Pile (L) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6.5	24
16	6.5	32
17	6.5	26
18	6.5	28
19	6.5	32
20	6.5	26
21	7.0	34
22	7.0	33
23	6.5	26
24	6.5	27
25	6.5	24
25.75	6.5	15
26		
27		

Pile (M)	Length	Hammer Hit	Blows/ft
10			
11			
12			
13			
14			
15			
16		6.5	21
17		6.5	24
18		6.5	25
19		6.5	18
20		6.5	18
21		6.5	28
22		6.5	34
23		7.0	35
24		7.0	38
25		7.0	32
25.75		7.0	22
26			
27			

File (E_p) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6.5	28
16	6.5	26
17	6.0	16
18	6.0	18
19	6.5	24
20	6.5	34
21	6.5	31
22	6.5	26
23	6.5	19
24	6.5	28
25	6.5	26
25.75	6.5	22
26		
27		

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 6 Location: U/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8-6-05
 Inspector: C. Lopez

H(A) H(B) H(C) H(D) H(E) H(F)
 H(G) H(H)
 H(I) H(J) H(K) H(L) H(M) H(N)

MEASUREMENTS (FEET)

Pile (F) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16	6.5	26
17	6.5	22
18	6.5	18
19	6.5	19
20	6.5	20
21	6.5	24
22	6.5	23
23	6.5	22
24	6.5	20
25	6.5	30
25.75	6.5	22
26		
27		

Pile (N) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6.5	23
16	6.5	24
17	6.5	31
18	6.5	28
19	6.5	30
20	6.5	24
21	6.5	18
22	6.5	20
23	6.5	31
24	6.5	32
25	6.5	36
25.75	6.5	32
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 6 Location: D/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8-3-05
 Inspector: LOPEZ, VALLE

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

EXISTING

MEASUREMENTS (FEET)

Pile (D) Length	Hammer Ht	Blows/ft
10		
11		
12		6
13		9
14		9
15		10
16		10
17		17
18		22
19	6.5	31
20	6.5	30
21	7	28
22	7	30
23	7	38
24	7	53
25	7	42
25.75	7	21
26		
27		

L = 29.25'

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19	6 1/2	23
20	6 1/2	23
21	6 1/2	26
22	7	36
23	7	44
24	7	50
25	7	39
25.75	7	51
26		
27		

L = 29.25

Pile (H) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19	6 1/2	19
20	6 1/2	24
21	6 1/2	31
22	6 1/2	37
23	6 1/2	41
24	7	46
25	7	44
25.75	7	38
26		
27		

L = 29.25'

Pile (F) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6 1/2	22
21	6 1/2	33
22	7	30
23	7	39
24	7	54
25	7	56
25.75	7	52
26		
27		

Pile (G) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14	6 1/2	12
15	6 1/2	8
16	6 1/2	10
17	6 1/2	11
18	6 1/2	23
19	6 1/2	27
20	6 1/2	33
21	7	39
22	7	47
23	7	44
24	7	42
25	7	41
25.75	7	34
26		
27		

L = 29.25

Pile (B) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6 1/2	23
21	7	30
22	6 1/2	27
23	6 1/2	29
24	7	40
25	7	39
25.75	7	33
26		
27		

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 6 Location: D/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8-3-05
 Inspector: MA

H (A)	H (B)	H (C)	H (D)
H (E)	H (F)	H (G)	H (H)

EXISTING

MEASUREMENTS (FEET)

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		12
15		14
16		17
17		18
18		22
19		24
20		29
21		54
22		55
23		60
24		62
25		85
25.75		64
26		
27		

L = 29.25

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile (A) Length	Hammer Ht	Blows/ft
10		
11		
12		
13	6	15
14	6.5	15
15	6.5	
16	6.5	20
17	6.5	21
18	6.5	22
19	6.5	24
20	6.5	30
21	6.5	29
22	6.5	46
23	6.5	46
24	7.0	53
25	7.0	65
25.75	7.0	47
26		
27		

L = 29.25

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pier 7

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 7 Location: U/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8/1/05
 Inspector: VALLÉ

H (A) H (B) H (C) H (D) H (E) H (F)
 H (G) H (H)
 H (I) H (J) H (K) H (L) H (M) H (N)

MEASUREMENTS (FEET)

Pile (G) Length	Hammer Ht	Blows/ft
10	6 1/2	22
11	7	38
12	7	50
13	7	66
14	7	69
15	7 1/2	81
16	7 1/2	77
17	7	50
18	7	33
19	7	41
20	7	48
21	7	45
22	7	45
23	7	43
24	7	36
25	7	35
25.75	7	26
26		
27		

L = 29.25

Pile (H) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	7	52
21	7	69
22	7 1/2	75
23	7 1/2	84
24	7 1/2	69
25		
25.75		
26		
27		

L = 29.25

Pile (A) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6 1/2	14
16	6 1/2	11
17	6 1/2	22
18	6 1/2	20
19	6 1/2	20
20	6 1/2	21
21	6 1/2	23
22	6 1/2	31
23	7	26
24	7	21
25	7	26
25.75	7	18
26		
27		

L = 29.25

Pile (J) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6	24
16	6	16
17	6	13
18	6	14
19	6	15
20	6	17
21	6	18
22	6	18
23	6	18
24	6 1/2	29
25	6 1/2	26
25.75	7	16
26		
27		

L = 29.25

Pile (I) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6 1/2	24
16	6 1/2	23
17	6 1/2	26
18	7	29
19	7	34
20	7	34
21	7	31
22	7	29
23	7	32
24	7 1/2	37
25	7 1/2	34
25.75	7 1/2	22
26		
27		

L = 29.25

Pile (B) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6	16
21	6 1/2	19
22	6 1/2	20
23	6 1/2	18
24	6 1/2	24
25	6 1/2	36
25.75	6 1/2	27
26		
27		

L = 29.25

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 7 Location: U/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8/1/05
 Inspector: VALLE

H (A)	H (B)	H (C)	H (D)	H (E)	H (F)
H (G)	H (H)				
H (I)	H (J)	H (K)	H (L)	H (M)	H (N)

MEASUREMENTS (FEET)

Pile (K) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	7	34
16	7	35
17	7	29
18	7	27
19	7	30
20	7 1/2	28
21	7 1/2	34
22	7 1/2	31
23	7 1/2	33
24	7 1/2	38
25	7 1/2	39
25.75	7 1/2	28
26		
27		

L = 29.25

Pile (L) Length	Hammer Ht	Blows/ft
10		
11	7	34
12	7	29
13	7	36
14	7	35
15	7	30
16	7	31
17	7	36
18	7	30
19	7	26
20	6 1/2	24
21	6 1/2	28
22	7	34
23	7	39
24	7	59
25	7 1/2	64
25.75		
26		
27		

L = 28.50

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6 1/2	26
21	6 1/2	23
22	6 1/2	23
23	6 1/2	28
24	6 1/2	26
24.75	6 1/2	28
25.75		
26		
27		

L = 28.25

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6 1/2	16
16	6 1/2	23
17	6 1/2	33
18	6 1/2	33
19	6 1/2	32
20	7	36
21	7	51
22	7	42
23	7	40
24	7	43
25	7	40
25.75	7	29
26		
27		

L = 29.25

Pile (D) Length	Hammer Ht	Blows/ft
10		
11	8	59
12	8	72
13	8	81
14	8	85
15	8	86
16	7 1/2	48
17	7 1/2	39
18	7 1/2	31
19	7 1/2	28
20	7 1/2	29
21	7 1/2	30
22		
23	7	35
24	7 1/2	39
25	8	48
25.75	8	29
26		
27		

L = 29.25

Pile (M) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18	6 1/2	30
19	6 1/2	33
20	6 1/2	36
21	6 1/2	40
22	7	42
22.75		
24		
25		
25.75		
26		
27		

L = 25.75

DEAD
BLOWSSTOPPED
CONTRACT

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 7 Location: U/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8/1/05
 Inspector: VALLE

H(A) H(B) H(C) H(D) H(E) H(F)
 H(G) H(H)
 H(I) H(J) H(K) H(L) H(M) H(N)

MEASUREMENTS (FEET)

Pile (N) Length	Hammer Ht	Blows/ft
10		
11	6	13
12	6 1/2	15
13	7	27
14	7	32
15	7	37
16	7	46
17	7	45
18	7	40
19	7	37
20	7	32
21	7	33
22	6 1/2	24
23	6 1/2	23
24	6 1/2	20
25	6 1/2	21
25.75	6 1/2	15
26		
27		

L = 29.25

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile (F) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18	6 1/2	38
19	6 1/2	28
20	6 1/2	21
21	6 1/2	17
22	6	11
23	6	7
24	6	10
25	6	10
25.75		
26		
27		

L = 29.25

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 7 Location: D/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8/2/05
 Inspector: VALL

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

EXISTING

MEASUREMENTS (FEET)

Pile (H) Length	Hammer Ht	Blows/ft
10	6	11
11	6	18
12	6 1/2	23
13	6 1/2	28
14	6 1/2	38
15	7	51
16	7	60
17	7	56
18	7	51
19	7	41
20	7	38
21		
22	6 1/2	14
23	6 1/2	14
24	6 1/2	12
25	6 1/2	13
25.75	6 1/2	9
26		
27		

L = 29.25

Pile (C) Length	Hammer Ht	Blows/ft
10		
11	6 1/2	14
12	6 1/2	21
13	6 1/2	28
14	6 1/2	28
15	6 1/2	32
16	7	40
17	7	38
18	7	39
19	7	37
20	7	37
21	7	32
22	7	27
23	6 1/2	24
24	6 1/2	21
25	6 1/2	22
25.75	6 1/2	10
26		
27		

L = 29.25

Pile (D) Length	Hammer Ht	Blows/ft
10		
11	6	19
12	6 1/2	23
13	6 1/2	20
14	6 1/2	22
15	7	31
16	7	31
17	7	32
18	7	33
19	7	35
20	7	23
21	6 1/2	15
22	6 1/2	16
23	6 1/2	17
24	6 1/2	16
25	6 1/2	15
25.75	6 1/2	11
26		
27		

L = 29.25

Pile (F) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	7	37
16	7	60
17	7	64
18	7 1/2	69
19	7 1/2	62
20	7 1/2	57
21		
22	7	52
23	7	54
24	7	41
25		
25.75		
26		
27		

L = 27.25 (-2.0')

Pile (G) Length	Hammer Ht	Blows/ft
10		
11		
12	6 1/2	18
13	6 1/2	17
14	6 1/2	19
15	7	29
16	7	31
17	7 1/2	45
18	7 1/2	48
19	7 1/2	45
20	7	45
21	7	36
22	7	22
23	6 1/2	19
24	6 1/2	17
25	6 1/2	15
25.75	6 1/2	13
26		
27		

L = 29.25

Pile (A) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	7	36
16	7 1/2	37
17	7 1/2	51
18	7 1/2	68
19	8	89
20	8	51
21		
22		
23		
24		
25		
25.75		
26		
27		

L = 23.00 (-6.25')

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 7 Location: D/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8/2/05
 Inspector: VALLE

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

EXISTING

MEASUREMENTS (FEET)

Pile (B) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14	6 1/2	26
15	6 1/2	33
16	7	46
17	7	42
18	7	35
19	6 1/2	30
20	6 1/2	33
21	6 1/2	32
22	6	24
23	6	15
24	6	14
25	6	15
25.75	6	12
26		
27		

L = 29.25

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14	6 1/2	27
15	6 1/2	38
16	6 1/2	40
17	6 1/2	37
18	7	39
19	7 1/2	45
20	7 1/2	41
21	7 1/2	58
21.75	7 1/2	58
23		
24		
25		
25.75		
26		
27		

L = 25.25 (-40)

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pier #8

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 8 Location: U/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 7/30/05
 Inspector: VALLE

H (A) H (B) H (C) H (D) H (E) H (F)
 H (G) H (H)
 H (I) H (J) H (K) H (L) H (M) H (N)

MEASUREMENTS (FEET)

Pile (N) Length	Hammer Ht	Blows/ft
10	6	19
11	6	18
12	6	19
13	6	18
14	6	18
15	6	17
16	6	16
17	6	18
18	6 1/2	28
19	6 1/2	57
20	6 1/2	82
21	7 1/2	159
22	8	187
23	8	234
24 23.75	8	265
25		
25.75		
26		
27		
L = 27.25		
Pile (A) Length	Hammer Ht	Blows/ft
10	6	13
11	6	16
12	6	23
13	6 1/2	21
14	6 1/2	25
15	6 1/2	26
16	7	23
17	7	29
18	7	34
19	7 1/2	43
20	7 1/2	56
21	7 1/2	87
22	8	106
23	8	136
24 23.75	8	79
25		
25.75		
26		
27		
L = 27.25		

Pile (G) Length	Hammer Ht	Blows/ft
10	6	9
11	6	16
12	6	20
13	6 1/2	31
14	6 1/2	42
15	6 1/2	43
16	6 1/2	49
17	7	60
18	7	75
19	7 1/2	88
20	7 1/2	99
21	8	92
22	8	91
23	7 1/2	85
24 23.75	7 1/2	78
25		
25.75		
26		
27		
L = 27.25		
Pile (H) Length	Hammer Ht	Blows/ft
10	6	12
11	6	12
12	6 1/2	18
13	6 1/2	21
14	6 1/2	24
15	7	31
16	7	27
17	7	33
18	7 1/2	43
19	7 1/2	55
20	8	73
21	8 1/2	75
22	9	129
23	9	136
24 23.75	9	103
25		
25.75		
26		
27		
L = 27.25		

Pile (J) Length	Hammer Ht	Blows/ft
10	6	10
11	6	12
12	6	15
13	6 1/2	24
14	6 1/2	28
15	6 1/2	33
16	7	29
17	7	38
18	7	36
19	7	52
20	7 1/2	64
21	7 1/2	68
22	8	88
23	8	84
24 23.75	8	69
25		
25.75		
26		
27		
L = 27.25		
Pile (F) Length	Hammer Ht	Blows/ft
10	6	110
11	6	19
12	6 1/2	25
13	6 1/2	24
14	6 1/2	23
15	7	19
16	7	33
17	7 1/2	66
18	7 1/2	80
19	7 1/2	91
20	8	108
21	8 1/2	154
22	8 1/2	209
23		
24		
25		
25.75		
26		
27		
L = 26.00		

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 8 Location: U/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 7/30/05
 Inspector: VALLER

8/1/05

H(A) H(B) H(C) H(D) H(E) H(F)
 H(G) H(H)
 H(I) H(J) H(K) H(L) H(M) H(N)

MEASUREMENTS (FEET)

Pile (J)	Length	Hammer Ht	Blows/ft
10		6	13
11		6	24
12		6 1/2	22
13		6 1/2	24
14		6 1/2	26
15		6 1/2	26
16		6 1/2	38
17		7	36
18		7	42
19		7	52
20		7 1/2	48
21		7 1/2	55
22		7 1/2	70
23		7 1/2	66
24		7 1/2	56
25		7 1/2	59
25.75		7 1/2	38
26			
27			

L = 29.25

Pile (C)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15		6 1/2	30
16		9 1/2	28
17			
18		6 1/2	27
19		6 1/2	29
20		7	27
21		7	35
22		7	38
23		7	35
24		7 1/2	46
25		7 1/2	48
25.75		7 1/2	29
26			
27			

L = 29.25
(8/1/05)

Pile (B)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15		6 1/2	27
16		7	40
17		7	40
18		7	44
19		7	45
20		7 1/2	49
21		7 1/2	56
22		7 1/2	78
23		8	94
24	23.75	8	88
25			
25.75			
26			
27			

L = 27.25

Pile (D)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15		6 1/2	26
16		6 1/2	30
17		6 1/2	39
18		7	47
19		7	37
20		7	52
21		7 1/2	81
22		7 1/2	106
23		8	139
24	23.25	8	92
25			
25.75			
26			
27			

L = 26.75
(8/1/05)

Pile (K)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15		6 1/2	24
16		6 1/2	42
17		7	37
18		7	39
19			
20		7	36
21		7 1/2	48
22		7 1/2	49
23		7 1/2	50
24		7 1/2	47
25		7 1/2	44
25.75		7 1/2	37
26			
27			

L = 29.25

(8/1/05)

Pile (L)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15		6 1/2	19
16		7	24
17		7 1/2	34
18		8	47
19		8	57
20		8 1/2	94
21		8 1/2	101
22		8 1/2	109
23		8 1/2	119
24	23.75	8 1/2	91
25			
25.75			
26			
27			

L = 27.25
8/1/05SERIES
OF DEAD BLOWSDEAD
Blows -
WORKING ON
HAMMER

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 8 Location: US SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8/1/05
 Inspector: VALLE

H (A) H (B) H (C) H (D) H (E) H (F)
 H (G) H (H)
 H (I) H (J) H (K) H (L) H (M) H (N)

MEASUREMENTS (FEET)

Pile (M) Length	Hammer Ht	Blows/ft
10		
11	6 1/2	22
12	7	31
13	7	42
14	7	55
15	7	44
16	7	27
17	7	27
18	6 1/2	25
19	6	19
20	6 1/2	24
21	7 1/2	53
22	8 1/2	109
23	8 1/2	166
24	9	105
25		
25.75		
26		
27		

L = 27.0

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16	7	25
17	7	22
18	7	19
19	6 1/2	15
20	6	10
21	6 1/2	21
22	7 1/2	34
23	8	51
24	8	60
25		
25.75		
26		
27		

L = 27.50

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 8 Location: D/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8/8/05
 Inspector: VALE

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

EXISTING

MEASUREMENTS (FEET)

Pile (D) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6 1/2	21
21	7	25
22	7	30
23	7	32
24	7	35
25	7	38
25.75	7	26
26		
27		
L = 29.25'		
Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6 1/2	16
16	6 1/2	14
17	6 1/2	12
18	6 1/2	24
19	6 1/2	23
20	6 1/2	37
21	7	47
22	7	42
23	7	45
24	7	44
25	7	47
25.75	7	35
26		
27		

L = 29.25

Pile (H) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6 1/2	27
16	6 1/2	20
17	6 1/2	15
18	6 1/2	22
19	7	28
20	7	31
21	7	52
22	7	51
23	7	42
24	7	39
25	7	39
25.75	7	29
26		
27		
L = 29.25'		
Pile (F) Length	Hammer Ht	Blows/ft
10		
11		
12		
13	6	22
14	6	21
15	6	18
16	6	21
17	6	13
18	6	14
19	6	12
20	6	16
21	6.5	24
22	6.5	40
23	7	47
24	7	49
25	7	47
25.75	7	25
26		
27		

Pile (G) Length	Hammer Ht	Blows/ft
10		
11		
12	6 1/2	23
13	6 1/2	27
14	6 1/2	25
15	6 1/2	23
16	6 1/2	18
17	6 1/2	17
18	6 1/2	15
19	6 1/2	15
20	6 1/2	17
21	6 1/2	25
22	7	30
23	7	28
24	7	28
25	7	44
25.75	7	33
26		
27		
L = 29.25'		
Pile (B) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14	6	17
15	6	14
16	6	12
17	6	11
18	6	14
19	6	16
20	6	15
21	6	26
22	6.5	27
23	6.5	29
24	6.5	30
25	6.5	36
25.75	6.5	24
26		
27		

W. R. R. R.

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 8 Location: D/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 29.25 LF DATE: 8/3/05
 Inspector: VALVE

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

EXISTING

MEASUREMENTS (FEET)

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6 1/2	22
21	6 1/2	27
22	6 1/2	33
23	7	36
24	7	31
25	7	39
25.75	7	32
26		
27		

L = 29.25

Pile (A) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6 1/2	28
16	6 1/2	21
17	6 1/2	22
18	6	15
19	6	17
20	6 1/2	22
21	6 1/2	19
22	6 1/2	32
23	6 1/2	31
24	6 1/2	32
25	6 1/2	39
25.75	6 1/2	30
26		
27		

L = 29.25

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
25.75		
26		
27		

Pick a

↑
N

PIER # 9 Location: U/S SAR Channel
HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
PILE LENGTH: 33.25 LF DATE: 7/29/05
Inspector: VALLÉ

EXISTING

H (A) **H (B)** **H (C)** **H (D)**

H (E) **H (F)** **H (G)** **H (H)**

Pile (E) Length	Hammer Ht	Blows/ft
12	6	12
13	6	12
14	6	10
15	6	8
16	6	8
17	6	7
18	6	8
19	6 1/2	9
20	6 1/2	11
21	6 1/2	18
22	7	28
23	7	36
24	7 1/2	66
25	7 1/2	73
26	7 1/2	95
27	7 1/2	92
28	7 1/2	89
29	7 1/2	88
29.75	7 1/2	71
30		

$$L = 33.25$$

Pile (A)	Length	Hammer Hit	Blows/ft
	12		
	13		
	14		
	15	6	7
	16	6	8
	17	6	9
	18	6	9
	19	6	8
	20	6	10
	21	6	10
	22	6 1/2	18
	23	7	44
	24	7	61
	25	7 1/2	84
	26	8	208
26.75		8	192
28			
29			
29.75			
30			
L = 30.25			

$$L = 30,25$$

Pile (F) Length	Hammer Ht	Blows/ft
12		
13		
14		
15	6	14
16	6	13
17	6	11
18	6	9
19	6 1/2	10
20	6 1/2	11
21	6 1/2	21
22	7	45
23	7	69
24	7	101
25	7	138
26	7 1/2	188
27	7 1/2	214
28	8	219
28.25	8	81
29.75		
30		

$$L = 31.75$$

Pile (B)	Length	Hammer Hit	Blows/ft
12			
13			
14			
16			
16			
17			
18			
19			
20			
21			
22			
23		7	50
24		7	60
25		7.5	96
26		7.5	105
27		8.0	150
27.25		8.0	66
29			
29.75			
30			
	L = 30.75		

$$L = 30.75$$

Pile (G) Length	Hammer Ht	Blows/ft
12		
13		
14		
15	6	6
16	6	9
17	6	8
18	6	12
19	6 1/2	14
20	6 1/2	27
21	6 1/2	28
22	7	49
23	7	59
24	7	56
25	7	72
26	7 1/2	88
27	7 1/2	96
28	7 1/2	92
28.25	7 1/2	52
29.75		
30		

$$L = 31.75$$
[illegible]
$$L = 29.75$$

↑
N

PIER # 9 Location: U/S SAR Channel *EXISTING*
HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
PILE LENGTH: 33.25 LF DATE: 7/29/05
Inspector: VALLF

 (A)
  (B)
  (C)
  (D)

 (E)
  (F)
  (G)
  (H)

Pile (H)	Length	Hammer Ht	Blows/ft
12			
13			
14			
15		6	8
16		6	8
17		6	9
18		6	8
19		6	12
20		6	27
21		6 1/2	28
22		6 1/2	36
23		6 1/2	48
24		7	75
25		7 1/2	159
26		8	265
27	26.50	8	144
28			
29			
29.75			
30			

L	= 30.00
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Pile () Length	Hammer Hit	Blows/ft
12		
13		
14		
16		
16		
17		
18		
19		
20		
21		
22		
23		
24		
26		
26		
27		
28		
29		
29.76		
30		

Pile (D)	Length	Hammer Ht	Blows/ft
	12		
	13		
	14		
	15		
	16		
	17		
	18		
	19		
	20		
	21	6.5	40
	22	7	75
	23	7.5	100
	24	7.5	121
	25	8	145
	26	8	195
	26.75	8	111
	28		
	29		
	29.75		
	30		

L7	30.25
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Pile () Length	Hammer Ht	Blows/ft
12		
13		
14		
16		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
29.75		
30		

Pile () Length	Hammer Ht	Blows/ft
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
29.75		
30		

Pile () Length	Hammer Ht	Blows/ft
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
29.75		
30		

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 9 Location: D/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 31.25 LF ✓ DATE: 8/2/05
 Inspector: VALLE

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

EXISTING

MEASUREMENTS (FEET)

DEAD BLOWS
TO ± 20 ft

Pile (D) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6	6
21	6	9
22	6	12
23		
24		
25	6	12
26	6	13
27	6	14
27.75	6	8

L = 31.25

DEAD BLOWS
TO ± 20 ft

Pile (G) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6	9
21	6	8
22	6	9
23	6	9
24	6	15
25	6	14
26	6	15
27	6	17
27.75	6	12

L = 31.25

Pile (H) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6	6
21	6	7
22	6	9
23	6	14
24	6	17
25	6	18
26	6	20
27	6	22
27.75	6	18

L = 31.25

Pile (B) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21	6	10
22	6	10
23	6	10
24	6	14
25	6	17
26	6	16
27	6	18
27.75	6	15

L = 31.25

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6	9
21	6	14
22	6	14
23	6	15
24	6	17
25	6	15
26	6	17
27	6	19
27.75	6	12

L = 31.25

Pile (F) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22	6	7
23	6	8
24	6	13
25	6	17
26	6	22
27	6	19
27.75	6	15

L = 31.25

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 9 Location: D/S SAR Channel
 HAMMER: DELMAG 36-32 Piston WT: 7,938 LBS
 PILE LENGTH: 31.25 LF DATE: 8/2/05
 Inspector: VALLER

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

EXISTING

MEASUREMENTS (FEET)

LEAD 20 ft x 20 ft

Pile (A) Length	Hammer Ht	Blows/ft
10		5
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6	5
21	6	5
22	6	8
23	6	8
24	6	11
25	6	13
26	6	18
27	6	20
27.75	6	16

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6	5
21	6	7
22	6	7
23	6	8
24	6	10
25	6	11
26	6	17
27	6	17
27.75	6	15

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
27.75		

L = 31.25

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
27.75		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
27.75		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
27.75		

Pierio

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 10

Location: 015 - - -

HAMMER: DELMAG 36-32

Piston WT: 7,938 LBS.

PILE LENGTH: 41.25'

DATE: 5/2/05

Inspector: MPJ / AGB

H (A)	H (B)	H (C)	H (D)
H (E)	H (F)	H (G)	H (H)

MEASUREMENTS (FEET)

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	8	
26	10	
27	12	
28	11	
29	10	
30	11	
31	14	
32	15	
33	14	
34	14	
35	15	6.5
36	16	7.0
37	20	7.5
37.75	31	
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

Pile (A) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		7
26		9
27		12
28		10
29		10
30		13
31		11
32		12
33	6.5	11
34		15
35	7.5	18
36	8	20
37		24
37.75		31
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

Pile (F) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	9	
26	10	
27	12	
28	11	
29	10	
30	8	
31	10	
32	11	
33	12	7
34	14	
35	15	
36	13	
37	16	
37.75	13	
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

PILE DRIVING (HAMMER BLOW COUNT)

↑
NPIER # 10

HAMMER: DELMAG 36-32

PILE LENGTH: 41.25Inspector: MPN/AGBLocation: US

Piston WT: 7,938 LBS.

DATE: 5/2/05

H (A)	H (B)	H (C)	H (D)
H (E)	H (F)	H (G)	H (H)

MEASUREMENTS (FEET)

Pile (B) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		8
26		10
27		11
28		11
29		9
30	7.5	11
31		9
32		10
33	8	9
34		13
35		17
36		15
37		20
37.75	8	17
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

Pile (G) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		6
26		9
27	60	10
28		9
29		7
30	7	8
31		9
32	7	11
33		14
34		16
35		19
36		24
37		25
37.75	8	19
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		7
26		9
27		8
28		8
29		9
30	7.5	9
31		8
32		9
33		7
34	8	14
35		14
36	7.5	16
37	8	22
37.75		15
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

PILE DRIVING (HAMMER BLOW COUNT)

↑
NPIER # 10

HAMMER: DELMAG 36-32

PILE LENGTH: 41.25Inspector: MPN/AGBLocation: US

Piston WT: 7,938 LBS.

DATE: 5/2/05

H (A)	H (B)	H (C)	H (D)
H (E)	H (F)	H (G)	H (H)

MEASUREMENTS (FEET)

Pile (<u>H</u>)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			8
26			10
27			11
28			11
29			9
30	7.5		8
31			8
32			12
33	8		11
34			14
35			17
36			16
37			17
37.75			15
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

Pile (<u>D</u>)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			8
26			10
27			11
28			11
29			10
30	7		9
31			9
32			10
33			8
34	7.5		17
35			20
36			27
37			27
37.75			15
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

Pile ()	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
37.75			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 10
HAMMER: DELMAG 36-32
PILE LENGTH: 39.25
Inspector: VALLE

Location: D/S BASIN
Piston WT: 7,938 LBS.
DATE: 5/3/05

H (A) H (B) H (C) H (D)
H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (H) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	6 1/2	15
26	6 1/2	17
27	6 1/2	19
28	6 1/2	19
29	6 1/2	18
30	6 1/2	18
31	6 1/2	19
32	6 1/2	18
33	7	28
34	7	32
35	7	34
36.75	7	18
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

Pile (D) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	6	13
26	6 1/2	17
27	6 1/2	16
28	6 1/2	17
29	6 1/2	16
30	6 1/2	18
31	6 1/2	16
32	7	18
33	7 1/2	36
34	7 1/2	42
35	8	47
36.75	8	39
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

Pile (G) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	6	15
26	6 1/2	15
27	6 1/2	16
28	6 1/2	14
29	6 1/2	14
30	6 1/2	14
31	6 1/2	18
32	6 1/2	18
33	7	24
34	7 1/2	31
35	7 1/2	32
36.75	7 1/2	21
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 10
HAMMER: DELMAG 36-32
PILE LENGTH: 39.25
Inspector: VALLE

Location: D/S BASIN
Piston WT: 7,938 LBS.
DATE: 5/3/05

H (A) H (B) H (C) H (D)
H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (F) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30	7	26
31	7	30
32	7 1/2	38
33	8	41
34	8	54
35	8	55
35.75	8	37
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30	7	18
31	7	20
32	7 1/2	26
33	7 1/2	33
34	8	40
35	8	46
35.75	8	39
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

Pile (B) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	6	10
26	6	11
27	6	9
28	6	11
29	6 1/2	11
30	6 1/2	14
31	6 1/2	13
32	6 1/2	14
33	6 1/2	14
34	7	16
35	7	18
35.75	7	10
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 10
 HAMMER: DELMAG 36-32
 PILE LENGTH: 39.25
 Inspector: VALLE

Location: D/S BASIN
 Piston WT: 7,938 LBS.
 DATE: 5/3/05

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (E)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29	6	10	
30	6	10	
31	6	15	
32	6 1/2	10	
33	6 1/2	17	
34	6 1/2	17	
35	7	17	
35.75	7	9	
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

Pile (A)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30	6 1/2	10	
31	6 1/2	12	
32	6 1/2	14	
33	7	15	
34	7	16	
35	7	17	
35.75	7	11	
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

Pile ()	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
35.75			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

PUR#11

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 11
 HAMMER: DELMAG 36-32
 PILE LENGTH: 41.25
 Inspector: CAL

Location: U/S BASIN
 Piston WT: 7,938 LBS.
 DATE: 5/2/05

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	6.5	15
26		15
27		16
28		16
29		16
30		15
31	7	18
32	7	15
33	7	15
34	7	18
35	7.5	22
36	7.5	30
37	7.5	31
37.75	7.5	31
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

Pile (A) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	6.5	15
26		16
27		14
28		14
29		15
30		14
31		15
32		14
33	7	16
34		18
35	7.5	19
36		31
37	8	32
37.75	8	38
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

Pile (B) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		14
26		15
27		16
28	6.5	12
29		13
30		14
31		15
32	6.5	15
33		16
34	7	23
35	7	22
36	7.5	28
37	8.0	34
37.75	8.5	44
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 11
 HAMMER: DELMAG 36-32
 PILE LENGTH: 41.25
 Inspector: CAL

Location: ULS BASIN
 Piston WT: 7 938 LBS.
 DATE: 5/2/05

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (F) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		12
26		11
27		11
28	6.5	10
29		10
30		10
31		11
32	7	14
33		12
34		23
35		29
36	7.5	29
37		29
37.75	8	37
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		14
26		12
27		14
28	6.5	16
29		18
30		20
31	7	23
32		24
33	7.5	30
34		30
35	8	32
36		35
37	8.5	42
37.75		16
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

Pile (G) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		11
26		11
27		10
28		8
29		10
30		9
31	6.5	9
32		10
33	7	9
34		14
35	7.5	14
36	8	22
37	8.5	37
37.75		43
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 11
 HAMMER: DELMAG 36-32
 PILE LENGTH: 41.25
 Inspector: MPN

Location: U/S BASIN
 Piston WT: 7,938 LBS.
 DATE: 5/2/05

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (H) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		13
26		13
27		11
28		11
29		10
30		11
31		9
32		10
33	6.5	10
34		14
35	7.5	15
36	8	20
37	8.5	37
37.75		44
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

Pile (D) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		10
26		11
27		11
28		10
29		9
30		10
31		8
32		8
33	6.5	10
34		14
35	7	19
36	7.5	29
37	8	40
37.75		54
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
37.75		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

PILE DRIVING (HAMMER BLOW COUNT)

↑
NPIER # 11

HAMMER: DELMAG 36-32

PILE LENGTH: 39.25Inspector: VALLELocation: D/S BASINPiston WT: 7,938 LBS.DATE: 5/3/05

H (A)	H (B)	H (C)	H (D)
H (E)	H (F)	H (G)	H (H)

MEASUREMENTS (FEET)

Pile (H) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	6 1/2	18
26	7	17
27	7	18
28	7 1/2	18
29	7 1/2	25
30	7 1/2	38
31	8	44
32	8	44
33	8 1/2	69
34	8 1/2	78
35	8 1/2	88
36.75	8 1/2	83
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

Pile (I) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28	7 1/2	28
29	8	41
30	8	52
31	8	61
32	8 1/2	88
33	9	104
34	9	110
35		
36.75		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

Pile (G) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6	11
21	6	11
22	6	12
23	6	10
24	6	12
25	6 1/2	15
26	7	20
27	7 1/2	22
28	7 1/2	26
29	7 1/2	28
30	8	37
31	8	39
32	8	57
33	8 1/2	102
34	9	112
35		
36.75		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

L = 37.50

L = 37.50

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 11
HAMMER: DELMAG 36-32
PILE LENGTH: 39.25
Inspector: VALLE

Location: D/S BASIN
Piston WT: 7,938 LBS.
DATE: 5/3/05

H (A) H (B) H (C) H (D)
H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (C)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25	6 1/2	10	
26	6 1/2	10	
27	6 1/2	10	
28	6 1/2	10	
29	7	14	
30	7 1/2	25	
31	7 1/2	30	
32	8	41	
33	8	52	
34	8 1/2	57	
35	9	75	
35.75	9	61	
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

Pile (F)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25	7	11	
26	7	16	
27	7	19	
28	7 1/2	22	
29	7 1/2	25	
30	8	25	
31	8	34	
32	8 1/2	45	
33	8 1/2	77	
34	9	104	
35			
35.75			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

Pile ()	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21	6 1/2	11	
22	6 1/2	10	
23	6 1/2	14	
24	6 1/2	14	
25	6 1/2	14	
26	7	18	
27	7	18	
28	7	20	
29	7	21	
30	7 1/2	30	
31	8	54	
32	8 1/2	64	
33 35	9	54	
34			
35			
35.75			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 11
HAMMER: DELMAG 36-32
PILE LENGTH: 39.25
Inspector: VALLE

Location: D/S BASIN
Piston WT: 7,938 LBS.
DATE: 5/3/05

H (A) H (B) H (C) H (D)
H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (A)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25		6 1/2	14
26		6 1/2	15
27		6 1/2	15
28		6 1/2	15
29		7	17
30		7 1/2	19
31		7 1/2	25
32		7 1/2	34
33		8 1/2	59
34		9	67
35.75		9	76
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

Pile (E)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25		6	9
26		6 1/2	9
27		6 1/2	10
28		6 1/2	14
29		6 1/2	12
30		7	14
31		7	21
32		7 1/2	27
33		8	42
34		8 1/2	65
35		9	69
35.75			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

Pile ()	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
35.75			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

PIER #12

PILE DRIVING (HAMMER BLOW COUNT)

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N

PIER # 12
 HAMMER: DELMAG 36-32
 PILE LENGTH: 41.25
 Inspector: Lopez, JALV

Location: BASIN 4/5
 Piston WT: 7,938 LBS.
 DATE: 4/06/05

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (E)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29	6 1/2	11	
30	6 1/2	13	
31	6 1/2	15	
32	6 1/2	17	
33	6 1/2	20	
34	6 1/2	18	
35	6 1/2	18	
36	6 1/2	21	
37	7	20	
37.75	7	16	
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

Pile (A)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20		6	8
21		6	9
22		6	9
23		6	9
24		6	8
25		6	9
26		6	11
27		6	10
28		6	11
29		6	11
30		6	10
31		6 1/2	13
32		6 1/2	14
33		6 1/2	17
34		6 1/2	19
35		6 1/2	18
36		6 1/2	18
37		6 1/2	20
37.75		6 1/2	16
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

Pile (E)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20		6	9
21		6	9
22		6	9
23		6	9
24		6	8
25		6	8
26		6	9
27		6	9
28		6	9
29		6	9
30		6	11
31		6	13
32		6	13
33		6	13
34	6 1/2	16	
35	6 1/2	17	
36	6 1/2	17	
37	7	26	
37.75	7 1/2	35	
38	7 1/2	29	
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 12
 HAMMER: DELMAG 36-32
 PILE LENGTH: 41.25
 Inspector: VALLE

Location: BASIN U/S
 Piston WT: 7,938 LBS.
 DATE: 4/06/06

↑
N

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (B)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20		6	8
21		6	8
22		6	7
23		6	7
24		6	7
25		6	7
26		6	8
27		6	8
28		6	9
29		6	9
30		6	10
31		6	11
32		6 1/2	15
33		6 1/2	17
34		6 1/2	17
35		6 1/2	20
36		7	27
37		7 1/2	29
37.75		7 1/2	25
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

Pile (G)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30		6	12
31		6 1/2	15
32		6 1/2	15
33		6 1/2	20
34		6 1/2	18
35		6 1/2	20
36		7	27
37		7 1/2	30
37.75		8	31
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

Pile (C)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30		6 1/2	15
31		7	19
32		7	19
33		7	21
34		7 1/2	22
35		7 1/2	25
36		7 1/2	30
37		8	39
37.75		8 1/2	24
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 12
 HAMMER: DELMAG 36-32
 PILE LENGTH: 41.25
 Inspector: JALIZ

Location: BASIN U/S
 Piston WT: 7,938 LBS.
 DATE: 4/06/05

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (H)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20	6	9	
21	6	9	
22	6	8	
23	6	9	
24	6	10	
25	6	11	
26	6 1/2	14	
27	6 1/2	16	
28	6 1/2	16	
29	6 1/2	17	
30	6 1/2	19	
31	6 1/2	17	
32	6 1/2	20	
33	6 1/2	25	
34	7	19	
35	7 1/2	19	
36	7 1/2	24	
37	8	36	
37.75	8	31	
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

Pile (D)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30	7	16	
31	7	18	
32	7	22	
33	7 1/2	25	
34	7 1/2	26	
35	8	31	
36	8	31	
37	8	33	
37.75	8	29	
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

Pile ()	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
37.75			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

PILE DRIVING (HAMMER BLOW COUNT)

↑
NPIER # 12Location: Basin O/S

HAMMER: DELMAG 36-32

Piston WT: 7,938 LBS.

PILE LENGTH: 39.25DATE: 4-4-85Inspector: CA

H (A)	H (B)	H (C)	H (D)
H (E)	H (F)	H (G)	H (H)

MEASUREMENTS (FEET)

Pile (A) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23	7	10
24	7	12
25	7	15
26	7	18
27	7	22
28	7	24
29	7	28
30	7	27
31	7.5	32
32	8	36
33	8	45
34	8	50
35	8	45
36.75	8	30
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

Pile (D) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	7	12
26	7	12
27	7	20
28	7	17
29	7	18
30	7	18
31	7	19
32	7.5	25
33		30
34		35
35		36
36.75	7.5	30
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31	7	32
32	8	36
33	8	38
34	7.5	48
35	8.5	41
36.75	8.5	34
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 12
 HAMMER: DELMAG 36-32
 PILE LENGTH: 39.25
 Inspector: CAL

Location: BASIN D/S
 Piston WT: 7,938 LBS.
 DATE: 4-4-05

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (G) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29	7	18
30	7	18
31	7	20
32	7.5	25
33	7.5	26
34	8	36
35	8	38
36.75	8	44
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28	7	13
29	7	15
30	7	16
31	7	16
32	7	20
33	7	20
34	7.5	22
35	7.5	39
36.75	7.5	24
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

Pile (F) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29	7	21
30	7	23
31	7	24
32	7.5	28
33	7.5	27
34	8	38
35	8	31
36.75	8	21
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		

PILE DRIVING (HAMMER BLOW COUNT)

↑
NPIER # 12Location: Basin 4/S

HAMMER: DELMAG 36-32

Piston WT: 7,938 LBS.

PILE LENGTH: 39.25DATE: 4/9/08Inspector: CR

H (A)	H (B)	H (C)	H (D)
H (E)	H (F)	H (G)	H (H)

MEASUREMENTS (FEET)

Pile (<u>E</u>)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33	8		31
34	8.5		36
35	8.5		48
35.75	8.5		50
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

Pile (<u>A</u>)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33	7.5		32
34	8		30
35	8.5		47
35.75	8.5		38
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

Pile ()	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
35.75			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

Pier #13

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 13
 HAMMER: DELMAG 36-32
 PILE LENGTH: 48.25
 Inspector: LOPEZ, VALLE

Location: UPSTREAM BASIN
 Piston WT: 7,938 LBS.
 DATE: 3/24/05

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	DEAD BLOWS	
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33	↓	
34	6	12
35	6	14
36	6	14
37	6	11
38	6	12
39	6	12
40	6 1/2	15
41	6 1/2	12
42	7	27
43	7	35
44	7	49
44.75	7	38
45		
46		
47		
48		
49		
50		
51		
52		
53		

Pile (A) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19	●	
20	6	10
21	6	12
22	6	13
23	6	14
24	6	15
25	6	13
26	6	13
27	6	16
28	6	16
29	6	14
30	6	14
31	6	16
32	6	17
33	6	16
34	6	16
35	6	15
36	6	13
37	6	14
38	6	13
39	6 1/2	21
40	6 1/2	28
41	6 1/2	22
42	6 1/2	28
43	6 1/2	34
44	7 1/2	56
44.75	7 1/2	53
45		
46		
47		
48		
49		
50		
51		
52		
53		

Pile (F) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6	12
21	6	10
22	6	14
23	6	10
24	6	10
25	6	10
26	6	10
27	6	17
28	6	16
29	6	13
30	6	12
31	6	11
32	6	12
33	6	12
34	6	13
35	6	13
36	6 1/2	14
37	6 1/2	23
38	6 1/2	22
39	7	24
40	7	29
41	7 1/2	34
42	7 1/2	36
43	7 1/2	44
44	7 1/2	36
44.75	7 1/2	22
45		
46		
47		
48		
49		
50		
51		
52		
53		

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 13
 HAMMER: DELMAG 36-32
 PILE LENGTH: 48.75
 Inspector: LOPLZ, JALLK

Location: UPSTREAM BASIN
 Piston WT: 7,938 LBS.
 DATE: 3/24/05

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (B) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6	11
21	6	10
22	6	10
23	6	10
24	6	9
25	6	11
26	6	11
27	6	10
28	6	10
29	6	9
30	6	11
31	6	10
32	6	9
33	6	9
34	6	8
35	6	10
36	6	10
37	6	10
38	6	11
39	6	12
40	7	25
41	7	31
42	7 1/2	46
43	7 1/2	32
44	7 1/2	27
44.75	7 1/2	21
45		
46		
47		
48		
49		
50		
51		
52		
53		

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6	10
21	6	8
22	6	11
23	6	9
24	6	12
25	6	9
26	6	8
27	6	8
28	6	12
29	6	8
30	6	6
31	6	7
32	6	7
33	6	8
34	6	10
35	6	12
36	6	18
37	6 1/2	17
38	6 1/2	20
39	7	30
40	7	36
41	7 1/2	43
42	7 1/2	28
43	7 1/2	32
44	7 1/2	29
44.75	7 1/2	24
45		
46		
47		
48		
49		
50		
51		
52		
53		

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6	9
21	6	9
22	6	9
23	6	8
24	6	14
25	6	11
26	6	10
27	6	9
28	6	10
29	6	10
30	6	9
31	6	9
32	6	9
33	6	9
34	6	9
35	6	10
36	6	10
37	6	10
38	6 1/2	10
39	7	10
40	7	10
41	7 1/2	20
42	7 1/2	28
43	7 1/2	25
44	7	28
44.75	7	22
45		
46		
47		
48		
49		
50		
51		
52		
53		

↑
N

PILE DRIVING (HAMMER BLOW COUNT) BASIN

PIER # 13Location: UPSTREAM

HAMMER: DELMAG 36-32

Piston WT: 7,938 LBS.

PILE LENGTH: 48.25DATE: 3/24/05Inspector: LOPEZ, VALLE

H (A) H (B) H (C) H (D)
H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (H) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6	7
21	6	9
22	6	8
23	6	9
24	6	9
25	6	9
26	6	8
27	6	9
28	6	9
29	6	9
30	6	9
31	6	9
32	6	8
33	6	7
34	6	7
35	6	7
36	6	9
37	6	8
38	6 1/2	11
39	7	22
40	7	23
41	7	25
42	7	28
43	7	28
44	7	22
44.75	7	21
45		
46		
47		
48		
49		
50		
51		
52		
53		

Pile (D) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	6	9
26	6	8
27	6	7
28	6	8
29	6	7
30	6	8
31	6	8
32	6	7
33	6	7
34	6	7
35	6	9
36	6	9
37	6	10
38	6	10
39	6	11
40	7	22
41	7	27
42	6 1/2	17
43	7	17
44	7	20
44.75	7	17
45		
46		
47		
48		
49		
50		
51		
52		
53		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
44.75		
45		
46		
47		
48		
49		
50		
51		
52		
53		

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N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 13
HAMMER: DELMAG 36-32
PILE LENGTH: 46.25
Inspector: LOPEZ, VALLE

Location: BASIN DOWNSTREAM
Piston WT: 7,938 LBS.
DATE: 3/29/05

H (A) H (B) H (C) H (D)
H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (D)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20	6	8	
21	6	8	
22	6	10	
23	6	11	
24	6	10	
25	6	10	
26	6	11	
27	6	11	
28	6	11	
29	6	11	
30	6	11	
31	6	12	
32	6	12	
33	6	12	
34	6	12	
35	6	12	
36	6	12	
37	6	12	
38	6	16	
39	6 1/2	26	
40	6 1/2	29	
41	6 1/2	31	
42	6 1/2	32	
42.75	6 1/2	26	
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
53			

Pile (H)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24	6	12	
25	6	13	
26	6	11	
27	6	12	
28	6	13	
29	6	12	
30	6	13	
31	6	12	
32	6	13	
33	6	12	
34	6	10	
35	6	11	
36	6	10	
37	6	11	
38	6	13	
39	6	24	
40	6 1/2	34	
41	6 1/2	41	
42	6 1/2	37	
42.75	6 1/2	29	
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
53			

Pile (C)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25	6	10	
26	6	10	
27	6	11	
28	6	11	
29	6	11	
30	6	12	
31	6	12	
32	6	12	
33	6	14	
34	6	13	
35	6	15	
36	6	16	
37	6	15	
38	6	17	
39	6 1/2	34	
40	6 1/2	31	
41	6 1/2	31	
42	6 1/2	28	
42.75	6 1/2	26	
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
53			

PILE DRIVING (HAMMER BLOW COUNT)

↑
NPIER # 13Location: BASIN
DOWNSTREAM

HAMMER: DELMAG 36-32

Piston WT: 7,938 LBS.

PILE LENGTH: 46.25DATE: 3/29/05Inspector: LOPEZ, VALU

H (A)	H (B)	H (C)	H (D)
H (E)	H (F)	H (G)	H (H)

MEASUREMENTS (FEET)

Pile (G) Length	Hammer Ht	Blows/ft	Pile (B) Length	Hammer Ht	Blows/ft	Pile (F) Length	Hammer Ht	Blows/ft
10			10			10		
11			11			11		
12			12			12		
13			13			13		
14			14			14		
15			15			15		
16			16			16		
17			17			17		
18			18			18		
19			19			19		
20			20			20		
21			21			21		
22			22			22		
23			23			23		
24			24			24		
25	6	9	25	6	10	25		
26	6	9	26	6	12	26		
27	6	9	27	6	12	27		
28	6	9	28	6	11	28		
29	6	9	29	6	11	29		
30	6	9	30	6	10	30	6	12
31	6	10	31	6	10	31	6	13
32	6	9	32	6	10	32	6	12
33	6	9	33	6	10	33	6	12
34	6	15	34	6	10	34	6 1/2	14
35	6	11	35	6	11	35	6 1/2	14
36	6	9	36	6	11	36	6 1/2	19
37	6 1/2	16	37	6 1/2	15	37	7	18
38	6 1/2	15	38	6 1/2	23	38	7	36
39	7	24	39	7	28	39	7 1/2	32
40	7	32	40	7	40	40	7 1/2	38
41	7	32	41	7	49	41	8	39
42	7	33	42	7	46	42	8	39
42.75	7	25	42.75	7 1/2	33	42.75	7 1/2	29
43			43			43		
44			44			44		
45			45			45		
46			46			46		
47			47			47		
48			48			48		
49			49			49		
50			50			50		
51			51			51		
52			52			52		
53			53			53		

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 13

HAMMER: DELMAG 36-32

PILE LENGTH: 46.25Inspector: LOPEZ, VALLELocation: BASIN DOWNSTREAM

Piston WT: 7,938 LBS.

DATE: 3/29/05↑
N

H (A)	H (B)	H (C)	H (D)
H (E)	H (F)	H (G)	H (H)

MEASUREMENTS (FEET)

Pile (A) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	6	9
26	6	9
27	6	9
28	6	9
29	6	9
30	6	9
31	6	9
32	6	9
33	6	11
34	6	10
35	6	11
36	6 1/2	16
37	6 1/2	20
38	6 1/2	22
39	7	28
40	7	23
41	7 1/2	32
42	7 1/2	42
42.75	7 1/2	34
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	6	9
26	6	9
27	6	9
28	6	9
29	6	10
30	6	9
31	6	10
32	6	11
33	6	10
34	6	11
35	6 1/2	11
36	6 1/2	15
37	6 1/2	17
38	6 1/2	18
39	6 1/2	19
40	7	27
41	7 1/2	33
42	8	37
42.75	8	31
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
42.75		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		

PIER #14

PILE DRIVING (HAMMER BLOW COUNT)

BAY IN

PIER # 14Location: UPSTREAM

HAMMER: DELMAG 36-32

Piston WT: 7,938 LBS.

PILE LENGTH: 48.25DATE: 3/24/05Inspector: LOPEZ, JUAN↑
N

H (A)	H (B)	H (C)	H (D)
H (E)	H (F)	H (G)	H (H)

MEASUREMENTS (FEET)

Pile (B) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6	8
21	6	9
22	6	8
23	6	9
24	6	9
25	6	11
26	6	10
27	6	12
28	6	12
29	6	11
30	6	12
31	6 1/2	14
32	6 1/2	18
33	6 1/2	17
34	6 1/2	17
35	6 1/2	19
36	7	16
37	7	20
38	7	22
39	7 1/2	23
40	7 1/2	24
41	7 1/2	25
42	7	26
43	7	26
44	7	24
44.75	7	22
45		
46		
47		
48		
49		
50		
51		
52		
53		

Pile (G) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6	7
21	6	11
22	6	12
23	6	12
24	6	14
25	6	14
26		15
27	6.5	16
28	6.5	17
29	7	18
30	7	26
31	7	25
32	7	24
33	7	17
34	7	21
35	7	20
36	7	14
37	7	16
38	7	17
39	7	28
40	7	36
41	7	36
42	7.5	42
43	7.5	48
44	7.5	48
44.75	7.5	30
45		
46		
47		
48		
49		
50		
51		
52		
53		

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6	8
21	6	8
22	6	7
23	6	8
24	6	8
25	6	8
26	6	10
27	6	10
28	6	8
29	6	8
30	6	8
31	6	8
32	6	12
33	7	16
34	7.5	22
35	7.5	24
36	7.5	25
37	7.5	19
38	7.5	18
39	7.5	21
40	7.5	21
41	7.5	22
42	7.5	18
43	7.5	20
44	7.5	24
44.75	7.5	15
45		
46		
47		
48		
49		
50		
51		
52		
53		

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 14Location: UPSTREAM

HAMMER: DELMAG 36-32

Piston WT: 7,938 LBS.

PILE LENGTH: 48.25DATE: 3/24/05Inspector: LOPEZ, VALLA

H (A) H (B) H (C) H (D)
H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (E)	Length	Hammer Ht	Blows/ft
10		6	7
11		6	6
12		6	7
13		6	7
14		6	8
15		6	9
16		6	7
17		6	10
18		6	11
19		6	10
20		6	11
21		6	10
22		6	12
23		6	14
24		6	14
25		6	11
26		6	12
27		6 1/2	14
28		6 1/2	15
29		6 1/2	14
30		6 1/2	17
31		6 1/2	16
32		6 1/2	26
33		7	20
34		7	28
35		7	31
36		7	23
37		7	29
38		7	26
39		7	27
40		7	35
41		7	23
42		7	26
43		7	25
44		7	29
44.75		7	25
45			
46			
47			
48			
49			
50			
51			
52			
53			

Pile (A)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15		6	12
16		6	10
17		6	10
18		6	12
19		6	11
20		6	15
21		6	14
22		6	14
23		6	13
24		6	14
25		6	19
26		6	13
27		6	13
28		6	17
29		6	16
30		6	16
31		6	16
32		6	15
33		6 1/2	24
34		6 1/2	23
35		6 1/2	26
36		6 1/2	26
37		6 1/2	28
38		7	28
39		7	27
40		7	26
41		7	24
42		7	22
43		7	24
44		7	25
44.75		7	13
45			
46			
47			
48			
49			
50			
51			
52			
53			

Pile (F)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20		6	11
21		6	12
22		6	9
23		6	9
24		6	10
25		6	10
26		6	10
27		6	11
28		6	12
29		6 1/2	13
30		6 1/2	19
31		6 1/2	20
32		6 1/2	22
33		7	27
34		7	26
35		7	25
36		7	21
37		7 1/2	23
38		7 1/2	30
39		7 1/2	23
40		7	16
41		7	14
42		7	17
43		7	19
44		7	22
44.75		7	18
45			
46			
47			
48			
49			
50			
51			
52			
53			

PILE DRIVING (HAMMER BLOW COUNT)

BASIN

↑
NPIER # 14Location: UPSTREAM

HAMMER: DELMAG 36-32

Piston WT: 7,938 LBS.

PILE LENGTH: 48.25DATE: 3/24/05Inspector: LOPEZ, JALLE

H (A)	H (B)	H (C)	H (D)
H (E)	H (F)	H (G)	H (H)

MEASUREMENTS (FEET)

Pile (D)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25	6	8	
26	6	8	
27	6	8	
28	6	8	
29		7	
30	7.5	9	
31	7.5	18	
32		19	
33	7.5	19	
34	7	20	
35	7	16	
36		20	
37		17	
38	7.5	20	
39	7.5	18	
40	7.5	23	
41	7.5	29	
42	7.5	28	
43	7.5	20	
44	7.5	28	
44.75	7.5	25	
45			
46			
47			
48			
49			
50			
51			
52			
53			

Pile (H)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20		6	7
21		6	8
22		6	11
23		6	10
24		6	16
25		6	10
26			7
27			9
28			12
29			12
30			9
31			9
32		7	15
33		7	12
34		7	21
35		7	21
36		7.5	23
37		7.5	29
38		7.5	25
39		7.5	30
40		7.5	28
41		8	39
42		7.5	40
43		8	59
44		7.5	40
44.75		7.5	15
45			
46			
47			
48			
49			
50			
51			
52			
53			

Pile ()	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
44.75			
45			
46			
47			
48			
49			
50			
51			
52			
53			

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 14
 HAMMER: DELMAG 36-32
 PILE LENGTH: 46.25
 Inspector: Lopez / V. M. B.

Location: BASIN D/S
 Piston WT: 7,938 LBS.
 DATE: 3/21/05

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

↑
N

MEASUREMENTS (FEET)

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21	6	8
22	6	8
23		8
24		8
25	6	9
26		12
27		16
28		16
29	6.5	18
30	6.5	18
31	6.5	19
32	7	19
33	7	19
34	7	21
35	7	17
36	7	18
37	7	20
38	7	20
39	7	21
40	7	20
41	7	20
42	7	21
43 41.75	7.5	27
44		
44.75		
45		
46		
47		
48		
49		
50		
51		
52		
53		

Pile (G) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26	7	16
27	7	15
28		
29	7	16
30	7	18
31	7	18
32	7	18
33	7	20
34	7	21
35	7	21
36	7	20
37	7.5	21
38	7.5	23
39	7.5	23
40	7.5	22
41	7.5	21
42	8	25
43 41.5	8	22
44		
44.75		
45		
46		
47		
48		
49		
50		
51		
52		
53		

Pile (B) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		10
25	6.5	11
26	6.5	12
27	7	15
28	7	16
29	7	16
30	7	17
31	6.5	20
32	6.5	20
33	6.5	23
34	6.5	21
35	6.5	20
36	6.5	23
37	6.5	23
38	6.5	21
39	7	23
40	6.5	23
41	6.5	22
42	7	28
43 41.5	7	23
44		
44.75		
45		
46		
47		
48		
49		
50		
51		
52		
53		

4/30/05

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 14
 HAMMER: DELMAG 36-32
 PILE LENGTH: 46.25
 Inspector: CMV

Location: D/S BASIN
 Piston WT: 7,938 LBS.
 DATE: 3/30/05

↑
N

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (F) Length	Hammer Ht	Blows/ft	Pile (A) Length	Hammer Ht	Blows/ft	Pile (E) Length	Hammer Ht	Blows/ft
10			10			10		
11			11			11		
12			12			12		
13			13			13		
14			14			14		
15			15			15		
16			16			16		
17			17			17		
18			18			18		
19			19			19		
20			20			20		
21			21			21		
22			22			22		
23			23			23		
24			24			24		
25			25	6.5	13	25		
26			26	6.5	15	26	6.5	20
27			27	6.5	15	27		
28			28	6.5	22	28	6.5	20
29			29	6.5	19	29	6.5	17
30			30	6.5	20	30	6.5	21
31			31	6.5	21	31	6.5	23
32			32	6.5	23	32	7	22
33	6.5	20	33	6.5	24	33	7	24
34	6.5	20	34	6.5	23	34	7	25
35	6.5	21	35	7.0	20	35	7.5	21
36	7	22	36	7.0	19	36	7.5	20
37	7	23	37	7.0	20	37	7.5	20
38	7	24	38	7.0	20	38	7.5	21
39	7	21	39	7.0	21	39	7.5	20
40	7	21	40	7.0	20	40	7.5	20
41	7	22	41	7.5	22	41	7.5	23
42	7.5	2.5	42	7.5	24	42	8.0	28
42.75	7.5	24	42.75	7.5-B	30	42.75	8.0	19
43			43			43		
44			44			44		
45			45			45		
46			46			46		
47			47			47		
48			48			48		
49			49			49		
50			50			50		
51			51			51		
52			52			52		
53			53			53		

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 14
 HAMMER: DELMAG 36-32
 PILE LENGTH: 46.25
 Inspector: VALE

Location: D/S BASIN
 Piston WT: 7,938 LBS.
 DATE: 9/29/05

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (D) Length	Hammer Ht	Blows/ft
10		
11		
12		
13	6	8
14	6	8
15	6	8
16	6	8
17	6	9
18	6	9
19	6	9
20	6	9
21	6	9
22	6	10
23	6	10
24	6	11
25	6	13
26	6 1/2	15
27	6 1/2	16
28	6 1/2	15
29	6 1/2	17
30	6 1/2	14
31	7	20
32	7	21
33	7	21
34	7	19
35	7	16
36	7	20
37	7	20
38	7	21
39	7	21
40	7	16
41	7	21
42	7	25
43 42.75	7	19
44		
44.75		
45		
46		
47		
48		
49		
50		
51		
52		
53		

Pile (H) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33	6 1/2	18
34	6 1/2	18
35	6 1/2	21
36	6 1/2	22
37	6 1/2	20
38	6 1/2	22
39	7	21
40	7	17
41	7	22
42	7	25
43 42.75	7	21
44		
44.75		
45		
46		
47		
48		
49		
50		
51		
52		
53		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
44.75		
45		
46		
47		
48		
49		
50		
51		
52		
53		

Pier #15

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 15
 HAMMER: DELMAG 36-32
 PILE LENGTH: 51.25
 Inspector: LOPEZ, VALLE

Location: UPSTREAM
 Piston WT: 7,938 LBS.
 DATE: 3/25/05

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET) 3/24/05

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18	6	9
19	6	20
20	6	12
21	6	12
22	6	15
23	6	15
24	6	14
25	7	12
26	7	12
27	7.5	13
28	7.5	13
29	7.5	12
30	7.5	12
31	7.5	12
32	7	16
33	7	15
34	7	24
35	7	29
36	7	30
37	7.5	30
38	7.5	21
39	7.5	22
40	7.5	25
41	7.5	23
42	7.5	28
43	7.5	29
44	7.5	23
45	7.5	24
46	7.5	28
47	7.5	30
47.75	7.5	12
48		
49		
50		
51		
52		
53		

Pile (A) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19	6	10
20	6	10
21	6	13
22	6	12
23	6	12
24	6	12
25	6	13
26	6	13
27	6	14
28	6	15
29	6	16
30	6	16
31	6 1/2	18
32	6 1/2	21
33	6 1/2	19
34	6 1/2	22
35	6 1/2	27
36	6 1/2	27
37	6 1/2	23
38	6 1/2	23
39	6 1/2	24
40	6 1/2	27
41	6 1/2	23
42	6 1/2	20
43	7	30
44	7	32
45	7	29
46	7	31
47	7	33
47.75	7	18
48		
49		
50		
51		
52		
53		

Pile (F) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6	9
16	6	9
17	6	11
18	6	10
19	6	11
20	6	13
21	6	12
22	6	12
23	6	12
24	6	12
25	6	12
26	6	12
27	6	13
28	6	13
29	6	16
30	6 1/2	15
31	6 1/2	16
32	6 1/2	20
33	6 1/2	16
34	6 1/2	14
35	6 1/2	18
36	6 1/2	16
37	6 1/2	16
38	6 1/2	16
39	6 1/2	16
40	6 1/2	18
41	6 1/2	15
42	7	17
43	7	20
44	6 1/2	27
45	6 1/2	26
46	6 1/2	26
47	6 1/2	27
47.75	6 1/2	18
48		
49		
50		
51		
52		
53		

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 15
 HAMMER: DELMAG 36-32
 PILE LENGTH: 51.25
 Inspector: LOPEZ, VALLE

Location: UPSTREAM
 Piston WT: 7,938 LBS.
 DATE: 3/25/05

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (B)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21	6		13
22	6		15
23	6		14
24	6		14
25	6		14
26	6		13
27	6		17
28	6		16
29	6		21
30	6		19
31	6		20
32	6 1/2		23
33	6 1/2		19
34	6 1/2		20
35	6 1/2		20
36	6 1/2		20
37	7		18
38	7		20
39	7		21
40	7		17
41	7		21
42	7		26
43	7		29
44	7		26
45	7		28
46	7		27
47	7		27
47.75	7		19
48			
49			
50			
51			
52			
53			

Pile (G)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20		6	9
21		6	9
22		6	9
23		6	10
24		6	10
25		6	9
26		6	12
27		6	11
28		6	12
29		6	11
30		6	13
31		6	14
32		6	15
33		6	14
34		6	12
35		6	12
36		6	12
37		6	13
38		6	12
39		6 1/2	15
40		6 1/2	15
41		6 1/2	15
42		6 1/2	15
43		6 1/2	15
44		7	16
45		7	17
46		7	17
47		7	23
47.75		7	16
48			
49			
50			
51			
52			
53			

Pile (C)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15		6	8
16		6	9
17		6	9
18		6	9
19		6	9
20		6	9
21		6	9
22		6	10
23		6	11
24		6	10
25		6	11
26		6	11
27		6	10
28		6	10
29		6	10
30		6	11
31		6 1/2	11
32		6 1/2	13
33		6 1/2	12
34		6 1/2	12
35		6 1/2	13
36		6 1/2	12
37		6 1/2	13
38		6 1/2	14
39		6 1/2	18
40		6 1/2	20
41		6 1/2	25
42		6 1/2	20
43		6 1/2	19
44		7	21
45		7	26
46		7 1/2	20
47		7 1/2	21
47.75		7 1/2	17
48			
49			
50			
51			
52			
53			

PILE DRIVING (HAMMER BLOW COUNT) ^{BASIN}↑
NPIER # 15Location: UPSTREAM

HAMMER: DELMAG 36-32

Piston WT: 7,938 LBS.

PILE LENGTH: 51.25DATE: 3/25/05Inspector: LOPEZ, VALL

H (A)	H (B)	H (C)	H (D)
H (E)	H (F)	H (G)	H (H)

MEASUREMENTS (FEET)

Pile (H) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17	6	6
18	6	6
19	6	6
20	6	6
21	6	7
22	6	6
23	6	8
24	6	8
25	6	8
26	6	9
27	6	8
28	6	9
29	6 1/2	12
30	6 1/2	12
31	6 1/2	10
32	6 1/2	11
33	6 1/2	13
34	6 1/2	10
35	6 1/2	12
36	6 1/2	14
37	6 1/2	11
38	6 1/2	11
39	6 1/2	11
40	7	13
41	7	14
42	7	16
43	7	18
44	7	16
45	7	17
46	7	22
47	7	20
47.75	7	15
48		
49		
50		
51		
52		
53		

Pile (D) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6	10
16	6	10
17	6	11
18	6	13
19	6	12
20	6	14
21	6	20
22	6	14
23	6	10
24	6	13
25	6	12
26	6 1/2	11
27	6 1/2	14
28	6 1/2	14
29	6 1/2	16
30	6 1/2	11
31	6 1/2	15
32	6 1/2	15
33	6 1/2	16
34	6 1/2	14
35	6 1/2	17
36	6 1/2	17
37	7	16
38	7	17
39	7	16
40	7	18
41	7	20
42	7	20
43	7	19
44	7	18
45	7	22
46	7	21
47	7	20
47.75	7 1/2	18
48		
49		
50		
51		
52		
53		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
47.75		
48		
49		
50		
51		
52		
53		

PILE DRIVING (HAMMER BLOW COUNT)

↑
NPIER # 15

HAMMER: DELMAG 36-32

PILE LENGTH: 49.3'Inspector: CRLocation: Basin D/S

Piston WT: 7,938 LBS.

DATE: 3/30

H (A) H (B) H (C) H (D)

H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (D) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24	6.5	13
25	6.5	13
26		16
27	7.0	20
28	7.0	18
29	7.0	23
30	7.0	22
31	7.0	18
32	7.0	18
33	7.0	21
34	7.0	23
35	7.0	21
36	7.5	20
37	7.5	20
38	8.0	20
39	8.0	21
40	8.0	22
41	8.0	24
42	8.0	23
43	8.0	24
44	8.0	25
45	8.0	25
45.75	8.0	17
46		
47		
48		
49		
50		
51		
52		
53		

Pile (H) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	6.5	14
26	6.5	18
27	6.5	20
28	6.5	21
29	7.0	20
30	7.0	20
31	7.0	21
32	7.0	26
33	7.0	25
34	7.0	25
35	7.0	24
36	7.5	25
37	8	23
38	8	22
39	8	22
40	8	23
41	8	27
42	8	26
43	8	22
44	8	24
45	8	28
45.75	8	18
46		
47		
48		
49		
50		
51		
52		
53		

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	7	14
26	7	14
27	7	14
28	7	16
29	7	19
30	7.5	20
31	7.5	20
32	7.5	24
33	7.5	24
34	7.5	18
35	8	15
36	8	20
37	8	21
38	8	20
39	8	21
40	8	21
41	8	22
42	8	23
43	8	25
44	8	26
45	8	26
45.75	8	17
46		
47		
48		
49		
50		
51		
52		
53		

PILE DRIVING (HAMMER BLOW COUNT)

↑
NPIER # 15Location: Basin D/S

HAMMER: DELMAG 36-32

Piston WT: 7,938 LBS.

PILE LENGTH: 49.3DATE: 3/30/05Inspector: CM / JAL

H (A)	H (B)	H (C)	H (D)
H (E)	H (F)	H (G)	H (H)

MEASUREMENTS (FEET)

Pile (G) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26	7	24
27	7	22
28	7.5	20
29	7.5	24
30	7.5	24
31	7.5	20
32	7.5	20
33	7.5	20
34	8	19
35	8	20
36	8	20
37	8	20
38	8	21
39	8	24
40	8	24
41	8	20
42	8	23
43	8	21
44	8	22
45	8	22
45.75	8	18
46		
47		
48		
49		
50		
51		
52		
53		

Pile (B) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	7	20
26	7	21
27	7	21
28	7	23
29	7	26
30	7	24
31	7	27
32	7	25
33	7 1/2	24
34	7 1/2	21
35	7 1/2	25
36	7 1/2	25
37	7 1/2	26
38	8	28
39	8	24
40	8	29
41	8	29
42	8	28
43	8	26
44	8	28
45	8	27
45.75	8	21
46		
47		
48		
49		
50		
51		
52		
53		

Pile (F) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	7	18
26	7	20
27	7	26
28	7	19
29	7	18
30	7	20
31	7	21
32	7	20
33	7	21
34	7	21
35	7	21
36	7	21
37	7 1/2	19
38	7 1/2	24
39	7 1/2	24
40	8	22
41	8	25
42	8	21
43	8	25
44	8	26
45	8	28
45.75	8	17
46		
47		
48		
49		
50		
51		
52		
53		

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 15
 HAMMER: DELMAG 36-32
 PILE LENGTH: 49.25
 Inspector: VALLE

Location: BASIN D/S
 Piston WT: 7,938 LBS.
 DATE: 3/30/05

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (A)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30		7	19
31		7	20
32		7	21
33		7	22
34		7	22
35		7 1/2	23
36		7 1/2	25
37		7 1/2	22
38		7 1/2	22
39		7 1/2	23
40		8	23
41		8	24
42		8	24
43		8	23
44		8	24
45		8	26
45.75		8	21
46			
47			
48			
49			
50			
51			
52			
53			

Pile (E)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35		7 1/2	23
36		7 1/2	20
37		7 1/2	24
38		7 1/2	21
39		7 1/2	22
40		7 1/2	25
41		8	23
42		8	22
43		8	23
44		8	29
45		8	30
45.75		8	19
46			
47			
48			
49			
50			
51			
52			
53			

Pile ()	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
45.75			
46			
47			
48			
49			
50			
51			
52			
53			

Pier #16

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 16
 HAMMER: DELMAG 36-32
 PILE LENGTH: 56.25
 Inspector: LOPEZ, VALE

Location: UPSTREAM BASIN
 Piston WT: 7,938 LBS.
 DATE: 3/25/05

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

↑
N

MEASUREMENTS (FEET)

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22	6	12
23	6	13
24	6	12
25	6	12
26	6 1/2	10
27	6 1/2	12
28	6 1/2	13
29	6 1/2	14
30	6 1/2	19
31	6 1/2	16
32	6 1/2	17
33	6 1/2	20
34	6 1/2	20
35	6 1/2	17
36	6 1/2	19
37	6 1/2	24
38	6 1/2	26
39	7	29
40	7	25
41	7	23
42	7	23
43	7	21
44	7	18
45	7	19
46	7	17
47	7	20
48	7 1/2	17
49	7 1/2	23
50	8	21
51	8	19
52	8	24
52.75	8	20
53		

Pile (A) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6	8
21	6	10
22	6	10
23	6	10
24	6	10
25	6 1/2	10
26	6 1/2	12
27	6 1/2	12
28	6 1/2	13
29	6 1/2	12
30	6 1/2	14
31	6 1/2	13
32	6 1/2	15
33	6 1/2	15
34	6 1/2	16
35	6 1/2	17
36	6 1/2	20
37	6 1/2	20
38	6 1/2	22
39	6 1/2	19
40	6 1/2	21
41	7	24
42	7	22
43	7	20
44	7	26
45	7	25
46	7	26
47	7 1/2	26
48	7 1/2	27
49	7 1/2	28
50	7 1/2	33
51	8	32
52	7 1/2	33
52.75	7 1/2	23
53		

Pile (F) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6	9
16	6	9
17	6	11
18	6	14
19	6	11
20	6	12
21	6	11
22	6	11
23	6 1/2	14
24	6 1/2	19
25	6 1/2	15
26	6 1/2	15
27	6 1/2	17
28	6 1/2	16
29	6 1/2	18
30	6 1/2	18
31	6 1/2	19
32	6 1/2	20
33	6 1/2	19
34	7	16
35	7	23
36	7	24
37	7	20
38	7	21
39	7	23
40	7	21
41	7	22
42	7	20
43	7	20
44	7	21
45	7 1/2	24
46	7 1/2	25
47	7 1/2	23
48	7 1/2	25
49	8	29
50	8	33
51	8	34
52	8	34
52.75	8	28
53		

PILE DRIVING (HAMMER BLOW COUNT)

BASIN

PIER #

16

HAMMER: DELMAG 36-32

Location: UPSTREAM

Piston WT: 7,938 LBS.

PILE LENGTH: 56.25

DATE: 3/25/05

Inspector: LOPEZ, VALLE

H (A) H (B) H (C) H (D)
H (E) H (F) H (G) H (H)

↑
N

MEASUREMENTS (FEET)

Pile (S) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6	8
21	6	11
22	6	11
23	6.5	12
24	6.5	12
25	6.5	11
26	6.5	14
27	6.5	15
28	6.5	16
29	7	18
30	7	18
31	7	17
32	7	19
33	7	19
34	7	19
35	7	19
36	7	19
37	7	20
38	7	20
39	7	20
40	7	23
41	7.5	21
42	7.5	18
43	7	21
44	7	21
45	7.5	24
46	7.5	23
47	7.5	24
48	8	23
49	8	24
50	8	29
51	8	29
52	8	28
52.75	8	16
53		

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6	8
21	6	9
22	6	10
23	6	11
24	6	15
25	6.5	14
26	6.5	15
27	6.5	16
28	6.5	17
29	7	19
30	7	20
31	7	20
32	7	21
33	7	19
34	7.5	20
35	7.5	19
36	7.5	23
37	7.5	21
38	7.5	20
39	7.5	23
40	7.5	23
41	7.5	21
42	8	19
43	8	22
44	8	23
45	8	24
46	8	27
47	8	25
48	8	26
49	8	27
50	8	29
51	8	30
52	8	29
52.75	8	18
53		

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	6	9
21	6	11
22	6	11
23	6	12
24	6	12
25	6	12
26	6	13
27	6.5	15
28	7	14
29	7	15
30	7	18
31	7	18
32	7	16
33	7	18
34	7	18
35	7	18
36	7.5	19
37	7.5	20
38	8	19
39	8	19
40	8	18
41	8	23
42	8	21
43	8	19
44	8	19
45	8	20
46	8	22
47	8	21
48	8	20
49	8	24
50	8	24
51	8	23
52	8	24
52.75	8	18
53		

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 16
HAMMER: DELMAG 36-32
PILE LENGTH: 56.25
Inspector: LOPEZ, JAILL

Location: BASIN
UPSTREAM
Piston WT: 7,938 LBS.
DATE: 3/25/05

H (A) H (B) H (C) H (D)
H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

(3/28/05)

Pile (H)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20	6	10	
21	6	11	
22	6	12	
23	6	12	
24	6 1/2	12	
25	6 1/2	11	
26	6 1/2	13	
27	6 1/2	14	
28	7	15	
29	7	15	
30	7	17	
31	7	19	
32	7 1/2	16	
33	7	19	
34	7 1/2	16	
35	7 1/2	18	
36	7 1/2	21	
37	7 1/2	19	
38	7 1/2	20	
39	7 1/2	18	
40	7 1/2	19	
41	7 1/2	21	
42	7 1/2	21	
43	8	19	
44	8	19	
45	8	21	
46	8	26	
47	8	19	
48	8	24	
49	8	27	
50	8	25	
51	8	26	
52	8	24	
52.75	8	18	
53			

Pile (D)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20	6	17	
21	6	13	
22	6	13	
23	6	14	
24	6	14	
25	6	14	
26	6	16	
27	6 1/2	17	
28	6 1/2	17	
29	6 1/2	25	
30	6 1/2	23	
31	6 1/2	21	
32	6 1/2	25	
33	6 1/2	22	
34	6 1/2	25	
35	6 1/2	22	
36	6 1/2	29	
37	6 1/2	25	
38	6 1/2	31	
39	7	23	
40	7	24	
41	7	26	
42	7	24	
43	7	23	
44	7	25	
45	7	23	
46	7	27	
47	7	28	
48	7	27	
49	7 1/2	26	
50	7 1/2	29	
51	7 1/2	27	
52	7 1/2	28	
52.75	7 1/2	20	
53			

Pile ()	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
52.75			
53			

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 16
HAMMER: DELMAG 36-32
PILE LENGTH: 54.25
Inspector: VALLI

Location: BASIN D/S
Piston WT: 7,938 LBS.
DATE: 3/30/05

H (A) H (B) H (C) H (D)
H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (D) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35	7	21
36	7	22
37	7	20
38	7	22
39	7	25
40	7 1/2	27
41	7 1/2	28
42	7 1/2	27
43	7 1/2	27
44	8	33
45	8	30
46	8	31
47	8	33
48	8	31
49	8	34
50	8	39
50.75	8	30
51		
52		
53		

Pile (H) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33	7	20
34	7	17
35	7	21
36	7	26
37	7	24
38	7	24
39	7	25
40	7	23
41	7 1/2	22
42	7	24
43	7	23
44	7 1/2	21
45	7 1/2	25
46	7 1/2	27
47	7 1/2	28
48	7 1/2	23
49	8	25
50	8	30
50.75	8	25
51		
52		
53		

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35	7	21
36	7	25
37	7	24
38	7	25
39	7	25
40	7	26
41	7	29
42	7	27
43	7	27
44	7	25
45	7	29
46	7 1/2	26
47	7 1/2	27
48	7 1/2	29
49	8	25
50	8	33
50.75	8	26
51		
52		
53		

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N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 16
HAMMER: DELMAG 36-32
PILE LENGTH: 54.25
Inspector: VALLE

Location: BASIN D/S
Piston WT: 7,938 LBS.
DATE: 3/30/05

H (A) H (B) H (C) H (D)
H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (G)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38		7 1/2	25
39		7 1/2	24
40		7 1/2	26
41		7 1/2	23
42		7 1/2	24
43		7 1/2	25
44		7 1/2	25
45		8	28
46		8	31
47		8	35
48		8	31
49		8	30
50		8	34
50.75		8	28
51			
52			
53			

(4/1/05)

Pile (B)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			2
39			
40			
41			
42			
43			
44		7	24
45		7 1/2	29
46		7 1/2	21
47		7 1/2	24
48		7 1/2	25
49		7 1/2	28
50		7 1/2	32
50.75		7 1/2	23
51			
52			
53			

(4/1/05)

Pile (F)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45		7 1/2	25
46		7 1/2	29
47		8	31
48		8	28
49		8	30
50		8	24
50.75		8	21
51			
52			
53			

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 16
HAMMER: DELMAG 36-32
PILE LENGTH: 54.25
Inspector: VALLE

Location: BASIN D/S
Piston WT: 7,938 LBS.
DATE: 4/1/05

H (A) H (B) H (C) H (D)
H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (A) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44	7	21
45	7	22
46	7 1/2	25
47	8	22
48	8	33
49	8	28
50	8	28
50.75	8	20
51		
52		
53		

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45	7 1/2	22
46	8	25
47	8	27
48	8	30
49	8	33
50	8	34
50.75	8	22
51		
52		
53		

Pile (B) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
50.75		
51		
52		
53		

PIER #17

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 17
 HAMMER: DELMAG 36-32
 PILE LENGTH: 56.25
 Inspector: LOPEZ, VALLE

Location: UPSTREAM
 Piston WT: 7,938 LBS.
 DATE: 3/28/05

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (E)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15		6	15
16		6	15
17		6	12
18		6	17
19		6	16
20		6	19
21		6	20
22		6	19
23		6	19
24		6	16
25		6 1/2	14
26		6 1/2	18
27		6 1/2	22
28		6 1/2	25
29		6 1/2	28
30		6 1/2	27
31		6 1/2	28
32		6 1/2	28
33		7	30
34		7	30
35		7	30
36		7	28
37		7	29
38		7	30
39		7	30
40		7 1/2	32
41		7 1/2	28
42		7 1/2	26
43		7 1/2	26
44		7 1/2	30
45		7 1/2	31
46		7 1/2	29
47		7 1/2	32
48		7 1/2	32
49		7 1/2	33
50		7 1/2	34
51		7 1/2	36
52		7 1/2	33
52.75		7 1/2	26
53			

Pile (A)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15		6	17
16		6	12
17		6	11
18		6	12
19		6	12
20		6	14
21		6	16
22		6	14
23		6	14
24		6	13
25		6	14
26		6	20
27		6 1/2	20
28		6 1/2	23
29		6 1/2	25
30		6 1/2	26
31		6 1/2	24
32		6 1/2	25
33		6 1/2	22
34		6 1/2	24
35		7	27
36		7	26
37		7	27
38		7	25
39		7	29
40		7	29
41		7	32
42		7 1/2	27
43		7 1/2	29
44		7 1/2	30
45		7 1/2	33
46		7 1/2	29
47		7 1/2	31
48		7 1/2	32
49		7 1/2	33
50		7 1/2	33
51		7 1/2	35
52		7 1/2	34
52.75		7 1/2	27
53			

Pile (F)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15		6	10
16		6	11
17		6	10
18		6	12
19		6	13
20		6	12
21		6 1/2	14
22		6 1/2	15
23		6 1/2	15
24		6 1/2	13
25		6 1/2	12
26		6 1/2	15
27		6 1/2	16
28		6 1/2	19
29		6 1/2	20
30		6 1/2	21
31		6 1/2	22
32		7	19
33		7	22
34		7	21
35		7	22
36		7	23
37		7	24
38		7	23
39		7 1/2	25
40		7 1/2	24
41		7 1/2	30
42		7 1/2	25
43		7 1/2	22
44		7 1/2	25
45		7 1/2	28
46		7 1/2	29
47		7 1/2	33
48		7 1/2	33
49		8	27
50		8	34
51		8	34
52		8	36
52.75		8	29
53			

PILE DRIVING (HAMMER BLOW COUNT)

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N

PIER # 17
HAMMER: DELMAG 36-32
PILE LENGTH: 56.25
Inspector: W.P. Z / VALU

Location: BASIN UPSTREAM
Piston WT: 7,938 LBS.
DATE: 3/29/05

H (A) H (B) H (C) H (D)
H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (B) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19	6	12
20	6 1/2	10
21	6 1/2	14
22	6 1/2	14
23	6 1/2	14
24	6 1/2	14
25	6 1/2	11
26	6 1/2	14
27	6 1/2	17
28	7	20
29	7	22
30	7	20
31	7	21
32	7	21
33	7	23
34	7 1/2	18
35	7 1/2	22
36	7 1/2	24
37	7 1/2	22
38	7 1/2	24
39	7 1/2	23
40	7 1/2	24
41	7 1/2	31
42	7 1/2	28
43	7 1/2	28
44	7 1/2	27
45	8	25
46	8	27
47	8	26
48	8	24
49	8	29
50	8	36
51	8	37
52	8	36
52.75	8	28
53		

Pile (G) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19	6	11
20	6	12
21	6 1/2	15
22	6 1/2	15
23	6 1/2	17
24	6 1/2	15
25	6 1/2	12
26	6 1/2	15
27	6 1/2	20
28	6 1/2	21
29	7	19
30	7	23
31	7	23
32	7	20
33	7	20
34	7	20
35	7	21
36	7	22
37	7 1/2	20
38	7 1/2	29
39	7 1/2	26
40	7 1/2	24
41	7 1/2	22
42	7 1/2	25
43	7 1/2	25
44	7 1/2	24
45	7 1/2	26
46	8	21
47	8	29
48	8	27
49	8	28
50	8	33
51	8	34
52	8	35
52.75	8	30
53		

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6	11
16	6	11
17	6	11
18	6	11
19	6	14
20	6 1/2	14
21	6 1/2	15
22	6 1/2	17
23	6 1/2	15
24	6 1/2	13
25	6 1/2	13
26	6 1/2	13
27	6 1/2	21
28	6 1/2	23
29	7	19
30	7	20
31	7	23
32	7	23
33	7	26
34	7	26
35	7	28
36	7	27
37	7	29
38	7	29
39	7 1/2	24
40	7 1/2	31
41	7 1/2	27
42	7 1/2	29
43	7 1/2	24
44	7 1/2	24
45	7 1/2	27
46	7 1/2	25
47	7 1/2	28
48	7 1/2	29
49	7 1/2	31
50	8	33
51	8	35
52	8	36
52.75	8	25
53		

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 17
HAMMER: DELMAG 36-32
PILE LENGTH: 56.25
Inspector: LOLL VALL

Location: BASIN UPSTREAM
Piston WT: 7,938 LBS.
DATE: 3/28/05

H (A) H (B) H (C) H (D)
H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (H) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15	6	10
16	6	11
17	6	12
18	6	11
19	6	14
20	6	14
21	6	15
22	6	16
23	6 1/2	15
24	6 1/2	16
25	6 1/2	13
26	6 1/2	13
27	6 1/2	16
28	6 1/2	18
29	6 1/2	22
30	6 1/2	19
31	6 1/2	23
32	6 1/2	22
33	6 1/2	22
34	6 1/2	23
35	7	18
36	7	22
37	7	23
38	7	25
39	7	25
40	7	23
41	7	27
42	7 1/2	23
43	7 1/2	23
44	7 1/2	22
45	7 1/2	23
46	7 1/2	23
47	7 1/2	21
48	7 1/2	24
49	8	29
50	8	31
51	8	30
52	8	31
52.75	8	27
53		

Pile (D) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49	8	28
50	8	36
51	8	33
52	8	34
52.75	8	25
53		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
52.75		
53		

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 17
 HAMMER: DELMAG 36-32
 PILE LENGTH: 54.25
 Inspector: VALLE

Location: BASIN D/S
 Piston WT: 7,938 LBS.
 DATE: 4/1/05

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (D) Length	Hammer Ht	Blows/ft	Pile (H) Length	Hammer Ht	Blows/ft	Pile () Length	Hammer Ht	Blows/ft
10			10			10		
11			11			11		
12			12			12		
13			13			13		
14			14			14		
15			15			15		
16			16			16		
17			17			17		
18			18			18		
19			19			19		
20			20			20		
21			21			21		
22			22			22		
23			23			23		
24			24			24		
25			25			25		
26			26			26		
27			27			27		
28			28			28		
29			29			29		
30	7	20	30			30		
31	7	21	31			31		
32	7	19	32			32		
33	7	23	33			33		
34	7	22	34			34		
35	7	20	35			35		
36	7	22	36			36		
37	7	24	37			37		
38	7	24	38			38		
39	7	25	39			39		
40	7	28	40	7 1/2	17	40		
41	7 1/2	31	41	7 1/2	25	41		
42	7 1/2	29	42	8	35	42		
43	7 1/2	31	43	8	30	43		
44	7 1/2	30	44	8	26	44		
45	8	29	45	8 1/2	23	45	8	34
46	8	28	46	8 1/2	33	46	8	34
47	8	36	47	8 1/2	34	47	8 1/2	36
48	8	47	48	8 1/2	35	48	8 1/2	33
49	8 1/2	41	49	8 1/2	33	49	8 1/2	39
50	8 1/2	51	50	8 1/2	34	50	8 1/2	36
50.75	8 1/2	39	50.75	8 1/2	29	50.75	8 1/2	28
51			51			51		
52			52			52		
53			53			53		

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 17
HAMMER: DELMAG 36-32
PILE LENGTH: 54.25
Inspector: VALLS, LOPEZ

Location: BASIN D/S
Piston WT: 7,938 LBS.
DATE: 4/1/65

H (A) H (B) H (C) H (D)
H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (G) Length	Hammer Ht	Blows/ft	Pile (B) Length	Hammer Ht	Blows/ft	Pile (F) Length	Hammer Ht	Blows/ft
10			10			10		
11			11			11		
12			12			12		
13			13			13		
14			14			14		
15			15			15		
16			16			16		
17			17			17		
18			18			18		
19			19			19		
20			20			20		
21			21			21		
22			22			22		
23			23			23		
24			24			24		
25			25			25		
26			26			26		
27			27			27		
28			28			28		
29			29			29		
30			30			30		
31			31			31		
32			32			32		
33			33			33		
34			34			34		
35			35			35	7 1/2	24
36			36			36	7 1/2	26
37			37	8	28	37	7 1/2	27
38			38	8	28	38	8	28
39			39	8	28	39	8	32
40			40	8	28	40	8	31
41			41	8	31	41	8	35
42			42	8	32	42	8	37
43			43	8.5	36	43	8 1/2	37
44			44	8.5	34	44	8 1/2	34
45	8 1/2	37	45	8.5	32	45	8 1/2	41
46	8 1/2	37	46	8.5	33	46	8 1/2	38
47	8 1/2	39	47	8.5	34	47	8 1/2	41
48	8 1/2	41	48	8.5	37	48	8 1/2	39
49	8 1/2	43	49	8.5	47	49	8 1/2	42
50	8 1/2	46	50	8.5	42	50	8 1/2	46
50.75	8 1/2	39	50.75	8.5	28	50.75	8 1/2	39
51			51			51		
52			52			52		
53			53			53		

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 17
 HAMMER: DELMAG 36-32
 PILE LENGTH: 54.25
 Inspector: VALLE

Location: BASIN D/S
 Piston WT: 7,938 LBS.
 DATE: 4/01/05

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (A)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44	8 1/2	33	
45	8 1/2	33	
46	8 1/2	34	
47	8 1/2	33	
48	8 1/2	37	
49	8 1/2	40	
50	8 1/2	39	
50.75	8 1/2	33	
51			
52			
53			

Pile (E)	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40	7 1/2	31	
41	8	35	
42	8	35	
43	8	36	
44	8	36	
45	8	37	
46	8	37	
47	8	40	
48	8	47	
49	8	42	
50	8	47	
50.75	8 1/2	44	
51			
52			
53			

Pile ()	Length	Hammer Ht	Blows/ft
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
50.75			
51			
52			
53			

Pier #18

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 18
 HAMMER: DELMAG 36-32
 PILE LENGTH: 51.25
 Inspector: VALLI

Location: BASIN u/s
 Piston WT: 7,938 LBS.
 DATE: 4/7/05

H (A) H (B) H (C) H (D)
 H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (A) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30	6 1/2	21
31	6 1/2	22
32	6 1/2	26
33	6 1/2	25
34	6 1/2	27
35	6 1/2	25
36	6 1/2	25
37	7	30
38	7	33
39	7	31
40	7	28
41	7	26
42	7 1/2	25
43	7 1/2	29
44	7 1/2	32
45	7 1/2	29
46	7 1/2	31
47	8	30
47.75	8	25
48		
49		
50		
51		
52		

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	6 1/2	14
26	6 1/2	12
27	6 1/2	14
28	6 1/2	16
29	6 1/2	18
30	6 1/2	20
31	6 1/2	20
32	6 1/2	19
33	6 1/2	19
34	6 1/2	20
35	6 1/2	21
36	6 1/2	20
37	6 1/2	19
38	7	19
39	7	21
40	7	21
41	7	22
42	7	23
43	7	25
44	7 1/2	26
45	7 1/2	25
46	7 1/2	24
47	7 1/2	25
47.75	7 1/2	20
48		
49		
50		
51		
52		

Pile (B) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40	7	22
41	7	21
42	7	22
43	7 1/2	28
44	7 1/2	29
45	7 1/2	28
46	7 1/2	29
47	8	30
47.75	8	28
48		
49		
50		
51		
52		

PILE DRIVING (HAMMER BLOW COUNT)

↑
N

PIER # 18
HAMMER: DELMAG 36-32
PILE LENGTH: 51.25
Inspector: VALLY

Location: Basin w/s
Piston WT: 7,938 LBS.
DATE: 4/7/05

H (A) H (B) H (C) H (D)
H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (F) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35	6 1/2	18
36	6 1/2	20
37	6 1/2	22
38	6 1/2	22
39	6 1/2	25
40	6 1/2	23
41	7	25
42	7	22
43	7 1/2	22
44	7 1/2	25
45	7 1/2	27
46	7 1/2	28
47	8	31
47.75	8	27
48		
49		
50		
51		
52		
53		

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30	6 1/2	22
31	6 1/2	21
32	6 1/2	19
33	6 1/2	20
34	6 1/2	21
35	6 1/2	22
36	6 1/2	20
37	6 1/2	22
38	6 1/2	23
39	6 1/2	23
40	6 1/2	26
41	7	27
42	7	25
43	7 1/2	23
44	7 1/2	25
45	7 1/2	27
46	7 1/2	28
47	8	29
47.75	8	26
48		
49		
50		
51		
52		
53		

Pile (G) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30	6 1/2	15
31	6 1/2	17
32	6 1/2	23
33	6 1/2	26
34	6 1/2	19
35	6 1/2	20
36	7	19
37	7	19
38	7	19
39	7	18
40	7	18
41	7	18
42	7	19
43	7 1/2	21
44	7 1/2	20
45	7 1/2	23
46	7 1/2	25
47	7 1/2	25
47.75	7 1/2	24
48		
49		
50		
51		
52		
53		

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 18
HAMMER: DELMAG 36-32
PILE LENGTH: 51.25
Inspector: VALLE

Location: BASIN U/S
Piston WT: 7,938 LBS.
DATE: 4/7/05

H (A) H (B) H (C) H (D)
H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (H) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40	7 1/2	23
41	7 1/2	24
42	7 1/2	23
43	7 1/2	25
44	7 1/2	25
45	8	25
46	8	27
47	8	29
47.75	8	25
48		
49		
50		
51		
52		
53		

Pile (D) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40	7 1/2	20
41	7 1/2	21
42	7 1/2	22
43	7 1/2	24
44	7 1/2	32
45	8	29
46	8	34
47	8 1/2	46
47.75	8 1/2	35
48		
49		
50		
51		
52		
53		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
47.75		
48		
49		
50		
51		
52		
53		

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 18
HAMMER: DELMAG 36-32
PILE LENGTH: 49.25
Inspector: CAR

Location: Basin L/S
Piston WT: 7,938 LBS.
DATE: 4-4-05

H (A) H (B) H (C) H (D)
H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

4/5/05

Pile (H) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		14
21		14
22		16
23		16
24	7	21
25	7	21
26	7	21
27	7.5	19
28	7.5	22
29	7.5	23
30	8.0	20
31	8.0	22
32	8.0	22
33	8.0	23
34	8.0	23
35	8.0	21
36	8.0	24
37	8.0	26
38	8.0	26
39	8.0	31
40	8.0	28
41	8.0	28
42	BRACKET SNAG	30
43	R.S. 8.5	28
44	8	26
45	8	27
46	49.25 8	25
47		
48		
49		
49.25		
50		
51		
52		
53		

Pile (D) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30	7	21
31	7	20
32	7	20
33	7	21
34	7	22
35	7	26
36	7	27
37	7	26
38	7	28
39	7	27
40	7	29
41	7	28
42	7	26
43	7 1/2	28
44	7 1/2	29
45	7 1/2	28
46	45.75 7 1/2	24
47		
48		
49		
49.25		
50		
51		
52		
53		

Pile (G) Length	Hammer Ht	Blows/ft
10	6 1/2	8
11	6 1/2	10
12	6 1/2	10
13	6 1/2	10
14	6 1/2	12
15	6 1/2	12
16	6 1/2	13
17	6 1/2	14
18	6 1/2	16
19	6 1/2	16
20	7	17
21	7	19
22	7	20
23	7	20
24	7	20
25	7	19
26	7	20
27	7	21
28	7	24
29	7	25
30	7	24
31	7	23
32	7 1/2	24
33	7 1/2	26
34	7 1/2	23
35	7 1/2	28
36	8	28
37	8	29
38	8	28
39	8	30
40	8	34
41	8	30
42	8	30
43	8	31
44	8	31
45	8	30
46	45.75 8	26
47		
48		
49		
49.25		
50		
51		
52		
53		

R.S. - RESTART

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 18
HAMMER: DELMAG 36-32
PILE LENGTH: 49.25
Inspector: VALLE

Location: Basin D/S
Piston WT: 7,938 LBS.
DATE: 4/5/05

H (A) H (B) H (C) H (D)
H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (C) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35	7	21
36	7	23
37	7 1/2	24
38	7 1/2	24
39	7 1/2	27
40	7 1/2	28
41	7 1/2	30
42	8	29
43	8	31
44	8	34
45	8	39
46	8	30
47		
48		
49		
49.25		
50		
51		
52		
53		

Pile (F) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35	7 1/2	22
36	7 1/2	24
37	8	25
38	8	23
39	8	30
40	8	31
41	8	30
42	8	33
43	8	35
44	8	34
45	8	35
46	8	31
47		
48		
49		
49.25		
50		
51		
52		
53		

Pile (B) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40	8	27
41	8	29
42	8	33
43	8	36
44	8	35
45	8	39
46	8	33
47		
48		
49		
49.25		
50		
51		
52		
53		

↑
N

PILE DRIVING (HAMMER BLOW COUNT)

PIER # 18
HAMMER: DELMAG 36-32
PILE LENGTH: 49.25
Inspector: CR

Location: Basin D/S
Piston WT: 7,938 LBS.
DATE: 4-5-05

H (A) H (B) H (C) H (D)
H (E) H (F) H (G) H (H)

MEASUREMENTS (FEET)

Pile (E) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35	7.5	22
36	8	23
37	8	28
38	8	30
39	8	30
40	8	30
41	8	28
42	8	35
43	8	33
44	8	39
45	8	40
45.75		33
46		
47		
48		
49		
50		
51		
52		
53		

Pile (A) Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35	7.5	26
36	8	22
37	8	26
38	8	28
39	8	28
40	8	29
41	8	31
42	8	32
43	8	33
44	8	32
45	8	40
45.75	8	36
46		
47		
48		
49		
50		
51		
52		
53		

Pile () Length	Hammer Ht	Blows/ft
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
45.75		
46		
47		
48		
49		
50		
51		
52		
53		

ABT #19

PILE DRIVING (HAMMER BLOW COUNT)

PIER # ABT #19

HAMMER: DELMAG 36-32

PILE LENGTH: 64Inspector: CarLocation: Basin D/S

Piston WT: 7,938 LBS.

DATE: 4-4-05↑
N

MEASUREMENTS (FEET)

Pile (<u>B</u>)	Length	Hammer Ht	Blows/ft
20			
21			
22			
23			
24			
25			14
26			15
27			17
28			17
29			18
30			18
31			19
32			20
33			22
34			22
35			21
36			20
37			23
38			20
39			18
40			22
41			21
42			21
43			20
44			19
45	7.5		21
46	7.5		20
47	7.5		18
48	8		21
49	8		25
50	8		21
51	8		21
52	8		20
53	8		21
54	8		23
55	8		23
56	8		21
57	8		22
58	8		21
59	8		22
60	8		22
61	8		22
63	8		23
64	8		23
64 ft.		8	16

Pile (<u>A</u>)	Length	Hammer Ht	Blows/ft
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35		7	10
36		7	14
37		7	15
38		7	15
39		7	18
40		7	18
41		7.5	18
42		7.5	20
43		7.5	20
44		7.5	21
45		7.5	22
46		7.5	18
47		8	20
48		8	22
49		8	22
50		8	23
51		8	25
52		8	25
53		8	25
54		8	22
55		8.5	25
56		8	24
57		8.5	25
58		8.5	26
59		8.5	31
60		8.5	28
61		8.5	28
63		8.5	29
64		8.5	29
64 ft.			18

Pile ()	Length	Hammer Ht	Blows/ft
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
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39			
40			
41			
42			
43			
44			
45			
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59			
60			
61			
63			
64			
65			

PILE DRIVING (HAMMER BLOW COUNT)

PIER # ABUT 19
 HAMMER: DELMAG 36-32
 PILE LENGTH: 67.5
 Inspector: VALLE

Location: BASIN 4/5
 Piston WT: 7,938 LBS.
 DATE: _____

H (A) H (B)

MEASUREMENTS (FEET)

Pile (A)	Length	Hammer Ht	Blows/ft
20	6	7	
21	6	10	
22	6	12	
23	6	14	
24	6	13	
25	6	8	
26	6 1/2	11	
27	6 1/2	12	
28	6 1/2	16	
29	6 1/2	15	
30	6 1/2	14	
31	6 1/2	13	
32	6 1/2	15	
33	6 1/2	19	
34	6 1/2	18	
35	6 1/2	16	
36	6 1/2	15	
37	6 1/2	18	
38	6 1/2	19	
39	6 1/2	20	
40	7	17	
41	7	17	
42	7	21	
43	7	20	
44	7	20	
45	7	19	
46	7	20	
47	7	24	
48	7	28	
49	7	25	
50	7	20	
51	7	21	
52	7	24	
53	7 1/2	26	
54	7 1/2	31	
55	7 1/2	29	
56	7 1/2	27	
57	7 1/2	27	
58	7 1/2	30	
59	7 1/2	34	
60	7 1/2	37	
61	7 1/2	33	
63	7 1/2	38	
64	7 1/2	37	
64.5			

Pile (B)	Length	Hammer Ht	Blows/ft
20	6	11	
21	6	12	
22	6	11	
23	6	10	
24	6	10	
25	6 1/2	12	
26	6 1/2	15	
27	6 1/2	15	
28	6 1/2	12	
29	6 1/2	12	
30	6 1/2	15	
31	6 1/2	19	
32	6 1/2	18	
33	7	19	
34	7	28	
35	7	23	
36	7	23	
37	7	20	
38	7	22	
39	7	25	
40	7	25	
41	7	26	
42	7	23	
43	7	24	
44	7	25	
45	7	28	
46	7	31	
47	7	36	
48	7	34	
49	7 1/2	30	
50	7 1/2	31	
51	7 1/2	32	
52	7 1/2	31	
53	7 1/2	39	
54	7 1/2	33	
55	7 1/2	30	
56	7 1/2	30	
57	7 1/2	31	
58	7 1/2	32	
59	7 1/2	29	
60	7 1/2	31	
61	7 1/2	30	
63	7 1/2	30	
64	7 1/2	33	
64.5			

Pile ()	Length	Hammer Ht	Blows/ft
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
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47			
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56			
57			
58			
59			
60			
61			
63			
64			
64.5			